

Appendix A  
SWMU Status Table



Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
AOC 4	Asbestos Installation (Plant-wide)	Admin Closure	2003	N	N	N	N
AOC 9	Site-Wide, Underground Storage Tanks	Admin Closure	2003	N	N	N	N
SWMU 100	Waste Accumulation Area, (Bldg 12-42)	Admin Closure	2003	N	N	N	N
SWMU 101	Waste Accumulation Area, Bldg 12-59	Admin Closure	2003	D&D	N	N	N
SWMU 102	Bldg 12-68 Batch Master, Northeast Corner	Admin Closure	1997, 2003	N	N	N	N
SWMU 104	Waste Accumulation Area, (Bldg 12-82)	Admin Closure	2003	N	N	N	N
SWMU 105	Waste Accumulation Area, (Bldg 12-84)	Admin Closure	2003	N	N	N	N
SWMU 107	Bldg 16-5, Flammable Liquid Storage	Admin Closure	2003	N	N	N	N
SWMU 111	Bldg 11-36 Solvent Tanks	Admin Closure	2001	N	N	N	N
SWMU 112	Bldg 11-36 Solvent Tanks	Admin Closure	2001	N	N	N	N
SWMU 114	Bldg 11-36 Scrubber System	Admin Closure	2001	D&D	N	N	N
SWMU 115	Bldg 11-36 Carbon Filter	Admin Closure	2001	D&D	N	N	N
SWMU 116	Bldg 11-36 Sludge Filters	Admin Closure	2001	D&D	N	N	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 124</b>	Bldg 11-50 Waste water Treatment System	Admin Closure	2001	N	N	N	N
<b>SWMU 125</b>	Bldg 12-43 HE Contaminated Charcoal Boxes	Admin Closure	2001	N	N	N	N
<b>SWMU 126</b>	Miscellaneous HE Contaminated Waste Dumpsters	Admin Closure	2001	N	N	N	N
<b>SWMU 127</b>	Miscellaneous Non-hazardous Waste Dumpsters	Admin Closure	2001	N	N	N	N
<b>SWMU 128</b>	Portable HE Waste water Tanks	Admin Closure	2001	N	N	N	N
<b>SWMU 129a</b>	HE Contaminated Sludge Containers, Bldg 11-44	Admin Closure	2001	N	N	N	N
<b>SWMU 129b</b>	HE Contaminated Sludge Containers Bldg 12-43	Admin Closure	2001	N	N	N	N
<b>SWMU 131</b>	Portable Waste Oil Storage Tanks (Bldg 12-35)	Admin Closure	2001	N	N	N	N
<b>SWMU 132</b>	Vacuum Guzzlers	Admin Closure	2001	N	N	N	N
<b>SWMU 134</b>	Bldg 11-29 Silver Recovery	Admin Closure	2001	N	N	N	N
<b>SWMU 137</b>	Bldg 12-41, Paint Shop Waste water Tank	Admin Closure	2003	N	N	N	N
<b>SWMU 138</b>	Zone 12 Paint Shop Sandblaster Collection Cone	Admin Closure	2001	N	N	N	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 141</b>	Classified Waste Incinerator	Admin Closure	2001	N	N	N	N
<b>SWMU 142</b>	Miscellaneous Hood and Filter Systems, 24 Bldgs	Admin Closure	2001	N	N	N	N
<b>SWMU 59</b>	Landfill East of Pad 11-13 (Duplicate of SVS 5)	Admin Closure	2003	N	N	N	N
<b>SWMU 62</b>	Landfill 11	Admin Closure	2004	N	N	N	N
<b>SWMU 65</b>	Landfill 14 (Duplicate of SVS 6)	Admin Closure	2003	N	N	N	N
<b>SWMU 76</b>	Firing Site 18	Admin Closure	2001	N	N	N	N
<b>SWMU 77</b>	Firing Site 23, Filter/Exhaust System	Admin Closure	9/19/2001	N	N	N	N
<b>SWMU 83</b>	Bldg 4-8, Container Storage Bldg, Asbestos Staging Area	Admin Closure	2001	N	N	N	N
<b>SWMU 85</b>	MOCA Waste Accumulation Area, Bldg 12- 16	Admin Closure	2001	N	N	N	N
<b>SWMU 88</b>	11-41 Compressor Bldg Waste Accumulation	Admin Closure	2003	N	N	N	N
<b>SWMU 89</b>	Waste Accumulation Area, Bldg 12-2 North Hall	Admin Closure	2003	N	N	N	N
<b>SWMU 90</b>	Waste Accumulation Area, Bldg 12-9	Admin Closure	2003	N	N	N	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 91</b>	Waste Accumulation Area, Bldg 12-9 Solvent Storage Shed	Admin Closure	2003	N	N	N	N
<b>SWMU 92</b>	Waste Accumulation Area, Bldg 12-9 (outside)	Admin Closure	2003	N	N	N	N
<b>SWMU 93</b>	Waste Accumulation Area, Bldg 12-111 Paint Shop	Admin Closure	2003	N	N	N	N
<b>SWMU 94</b>	Waste Accumulation Area, Bldg 12-R-13 (outside)	Admin Closure	2003	N	N	N	N
<b>SWMU 95</b>	Waste Accumulation Area, Bldg 12-18 (outside)	Admin Closure	2003	N	N	N	N
<b>SWMU 96</b>	Waste Accumulation Area, Bldg 12-21	Admin Closure	2001	N	N	N	N
<b>SWMU 98</b>	Bldg 12-38 Solvent Storage	Admin Closure	2003	N	N	N	N
<b>SWMU 99</b>	Waste Accumulation Area, Bldg 12-41	Admin Closure	2003	N	N	N	N
<b>Unassigned</b>	Unlined Landfill/Landfill 10 North of Firing Site 1	Admin Closure	2004	N	N	N	N
<b>Pemitted Unit 53</b>	Igloo 4-72 Storage	Active		N	N	N	N
<b>SVS 4</b>	Old Pistol Range	Active		N	N	N	N
<b>SWMU 28</b>	Active Burn Tray	Active		NA	N	N	N
<b>SWMU 29</b>	Active Burn Tray	Active		NA	N	N	N
<b>SWMU 30</b>	Active Burn Tray	Active		NA	N	N	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
SWMU 31	Active Burn Tray	Active		NA	N	N	N
SWMU 32	Active Burn Tray	Active		NA	N	N	N
SWMU 33	Active Burn Tray	Active		NA	N	N	N
SWMU 34	Active Burn Tray	Active		NA	N	N	N
SWMU 35	Active Burn Tray	Active		NA	N	N	N
SWMU 36	Active Burn Tray	Active		NA	N	N	N
SWMU 69	Firing Site 4	Inactive		N	N	N	N
SWMU 72	Firing Site 10	Active		N	N	N	N
SWMU 74	Firing Site 21	Active		N	N	N	N
SWMU 75	Firing Site 22	Active		N	N	N	N
SWMU 78	Firing Site 24, Concrete Sump	Active		N	N	N	N
AOC 1	Transformer Leak (Bldg 11-14A)	3		Excavation	Y	Y	N
AOC 10a	Bldg 12-43A Pesticide Rinse Area	3		Excavation	Y	Y	N
AOC 10b	Bldg 12-51 Pesticide Rinse Area	3		N	Y	Y	N
AOC 11	Fire Training Area Burn Pits	3		Excavation	Y	Y	N
AOC 12	Paint Shop/ Solvent Pit (Bldg 12-5D)	3		N	Y	Y	N
AOC 13a	Former Cooling Tower in Zone 12 (Pad)	3		Excavation	Y	Y	N
AOC 13b	Former Cooling Tower in Zone 12 (Piping/Soil)	3		Excavation	Y	Y	N
AOC 14	Battery Storage Area (Bldg 12-18)	3		N	Y	Y	N
AOC 15	DDT Release (Bldg 12-35)	3		Excavation	Y	Y	N
AOC 3a	Former Boiler House Areas	3		N	Y	Y	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
AOC 3b	Zone 11 Former Boiler House Areas	3		N	Y	Y	N
AOC 5	Electrical Equipment Bone Yard Near Bldg 12-5	3		N	Y	Y	N
AOC 7a	Bldg 11-36 Sulfuric Acid Spills	3		N	Y	Y	N
AOC 7c	Bldg 12-64 Sulfuric Acid Spills	3		Excavation	Y	Y	N
AOC 8a	Pad 11-12 Solvent Leaks	3		N	Y	Y	N
AOC 8b	Pad 11-13 Solvent Leaks	3		N	Y	Y	N
AOC 8c	Bldg 11-17 Solvent Leaks	3		N	Y	Y	N
AOC 8d	Pad 11-22 Solvent Leaks	3		N	Y	Y	N
AOC 8e	Bldg 11-36 Solvent Leaks	3		N	Y	Y	N
SVS 2	Parallel Depressions Bldg 11-26	3		N	Y	Y	N
SVS 3 (SWMU 67)	Carbon Black Burial Area near Bldg 10-7	3		N	Y	Y	N
SVS 5	Landfill East of Pad 11-13	3		N	Y	Y	Y
SVS 6	Unnumbered Zone 7 Landfills	3		N	Y	Y	Y
SVS 7a&b	Magazine Demolition Debris Landfills (Zones 4 & 5)	3		N	Y	Y	Y
SVS 8	Abandoned Zone 10 Landfill	3		Excavation	Y	Y	Y
SWMU 1	Drainage Ditch (Bldg 12-17)	3		Excavation	Y	Y	N
SWMU 10	Pantex Lake	3		N	Y	Y	N
SWMU 103	Former Battery Storage Area, (Bldg 12-81)	3		N	Y	Y	N
SWMU 113	Overflows from Bldg 11-36 Collection System/Sump	3		D&D /	Y	Y	N



Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 117</b>	High Explosives Settling Tank	3		D&D / Excavation	Y	Y	N
<b>SWMU 118</b>	Equalization Basin	3		D&D / Excavation	Y	Y	N
<b>SWMU 119a</b>	High Explosives Filters	3		D&D	Y	Y	N
<b>SWMU 119b</b>	High Explosives Filters	3		D&D	Y	Y	N
<b>SWMU 12</b>	Drainage Ditch Near Former 11-14 Pond	3		Excavation	Y	Y	N
<b>SWMU 120a</b>	Carbon Filters	3		D&D	Y	Y	N
<b>SWMU 120b</b>	Carbon Filters	3		D&D	Y	Y	N
<b>SWMU 121</b>	High Explosives Settling Tank	3		D&D / Excavation	Y	Y	N
<b>SWMU 122a</b>	Equalization Basin	3		D&D / Excavation	Y	Y	N
<b>SWMU 122b</b>	Bldg 12-24N & Bldg 12-43 Upland Soil	3		Excavation / In Situ Treatment	Y	Y	N
<b>SWMU 123</b>	Concrete Sump & Waste water Treatment Unit	3		D&D	Y	Y	N
<b>SWMU 13</b>	Former Solar Evaporation Pond (Bldg 11-51)	3		N	Y	Y	N
<b>SWMU 135</b>	Leaching Bed (Bldg 12-44E)	3		N	Y	Y	N
<b>SWMU 136</b>	Subsurface Leaching Bed (Bldg 12-59)	3		D&D	Y	Y	N
<b>SWMU 14*</b>	Explosive Burn Pad 1 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
<b>SWMU 143a</b>	Former Waste Drum Storage Areas (Bldg 10-9)	3		N	Y	Y	N
<b>SWMU 143b</b>	Former Waste Drum Storage Areas (Bldg 10-7)	3		N	Y	Y	N
<b>SWMU 144</b>	Zone 10 TNT Settling Pit (Bldg 10-13)	3		Excavation	Y	Y	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
SWMU 145	Zone 10 TNT Settling Pit (Bldg 10-17)	3		Excavation	Y	Y	N
SWMU 146	Zone 10 TNT Settling Pit (Bldg 10-26)	3		Excavation	Y	Y	N
SWMU 147	Bldg 11-13 TNT Settling Pit	3		Excavation	Y	Y	N
SWMU 148	Bldg 11-17 TNT Settling Pits	3		Excavation	Y	Y	N
SWMU 149	Bldg 11-26 TNT Settling Pit	3		N	Y	Y	N
SWMU 15*	Explosive Burn Pad 2 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 150	Bldg 11-12 TNT Settling Pit	3		Excavation	Y	Y	N
SWMU 16*	Explosive Burn Pad 3 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 17*	Explosive Burn Pad 4 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 18*	Explosive Burn Pad 5 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 19*	Explosive Burn Pad 6 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 2	Drainage Ditch (Bldg 12-43)	3		Ditch Lining	Y	Y	Y
SWMU 20*	Explosive Burn Pad 7 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 21*	Explosive Burn Pad 7A (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 22*	Explosive Burn Pad 8 (including ash disposal trench)	3		Soil Cover	Y	Y	Y

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 23*</b>	Explosive Burn Pad 9 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
<b>SWMU 24*</b>	Explosive Burn Pad 10 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
<b>SWMU 25*</b>	Explosive Burn Pad 11 (Including Wash Rack)	3		Soil Cover	Y	Y	N
<b>SWMU 26*</b>	Explosive Burn Pad 12	3		Soil Cover	Y	Y	N
<b>SWMU 27*</b>	Explosive Burn Pad 13	3		Excavation	Y	Y	N
<b>SWMU 3</b>	Drainage Ditch (Bldg 11-44)	3		Excavation	Y	Y	N
<b>SWMU 37</b>	Burning Ground Landfill 1	3		Engineered Cover	Y	Y	Y
<b>SWMU 38</b>	Burning Ground Landfill 2	3		Engineered Cover	Y	Y	Y
<b>SWMU 39</b>	Burning Ground Landfill 3	3		Engineered Cover	Y	Y	Y
<b>SWMU 4</b>	Drainage Ditch (Bldg 11-50)	3		N	Y	Y	N
<b>SWMU 40</b>	Burning Ground Landfill 4	3		Engineered Cover	Y	Y	Y
<b>SWMU 41</b>	Burning Ground Landfill 5	3		Engineered Cover	Y	Y	Y
<b>SWMU 42</b>	Burning Ground Landfill 6	3		Engineered Cover	Y	Y	Y
<b>SWMU 43</b>	Burning Ground Landfill 7	3		Engineered Cover	Y	Y	Y
<b>SWMU 44</b>	Burning Ground Landfill 8	3		Engineered Cover	Y	Y	Y
<b>SWMU 45</b>	Explosive Burn Cage	3		D&D / Excavation	Y	Y	N
<b>SWMU 46</b>	Explosive Burn Cage	3		D&D	Y	Y	N
<b>SWMU 47</b>	Chemical Burn / Evaporation Pits	3		SVE System	Y	Y	N
<b>SWMU 48</b>	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N
<b>SWMU 49</b>	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 50</b>	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N
<b>SWMU 5-01a</b>	Drainage Ditch(es) (Bldg 12-5)	3		Excavation	Y	Y	N
<b>SWMU 5-01b</b>	Drainage Ditch(es) (Bldg 12-5B)	3		Excavation	Y	Y	N
<b>SWMU 5-02a</b>	Drainage Ditch (Bldg 12-51)	3		N	Y	Y	N
<b>SWMU 5-02b</b>	Drainage Ditch (Bldg 12-67)	3		Excavation	Y	Y	N
<b>SWMU 5-02c</b>	Drainage Ditch (Bldg 12-110)	3		N	Y	Y	N
<b>SWMU 5-04a</b>	Bldg 12-19 Drainage Ditches	3		Excavation	Y	Y	N
<b>SWMU 5-04b</b>	Bldg 12-73 Drainage Ditches	3		Excavation	Y	Y	N
<b>SWMU 5-05</b>	Drainage Ditch (Bldgs 12-21 & 12-24)	3		Ditch Lining	Y	Y	Y
<b>SWMU 5-06a</b>	Drainage Ditch (Bldg 12-44E)	3		Excavation	Y	Y	N
<b>SWMU 5-06b</b>	Drainage Ditch (Bldg 12-81)	3		Excavation	Y	Y	N
<b>SWMU 5-07</b>	Bldg 12-41 Drainage Ditch	3		Excavation	Y	Y	N
<b>SWMU 5-08</b>	Drainage Ditch (Bldg 11-36)	3		Excavation	Y	Y	N
<b>SWMU 5-09a</b>	Drainage Ditch (Bldg 11-17)	3		N	Y	Y	N
<b>SWMU 5-09b</b>	Drainage Ditch (Bldg 11-20)	3		N	Y	Y	N
<b>SWMU 51</b>	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N
<b>SWMU 5-11</b>	Main Perimeter Ditch	3		N	Y	Y	N
<b>SWMU 5-12a</b>	Main Perimeter Ditch	3		Excavation	Y	Y	N
<b>SWMU 5-12b</b>	Perimeter Drainage Ditch from Zone 12 to SWMU 5-15	3		N	Y	Y	N
<b>SWMU 5- 13a,b,c</b>	Drainage Ditches to Playa 1	3		Excavation	Y	Y	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
SWMU 5-15 a&b	Drainage Ditch to Playa 4	3		N	Y	Y	N
SWMU 52	Burn Racks and Flashing Pits	3		D&D / Excavation	Y	Y	N
SWMU 54	Landfill 3	3		Excavation/ Engineered Cover	Y	Y	Y
SWMU 55	Landfill 4	3		N	Y	Y	Y
SWMU 56	Landfill 5	3		N	Y	Y	Y
SWMU 57	Landfill 6	3		Excavation	Y	Y	Y
SWMU 58	Landfill 7	3		N	Y	Y	Y
SWMU 6	Playa 1	3		N	Y	Y	N
SWMU 60	Landfill 9	3		N	Y	Y	Y
SWMU 61	Landfill 10	3		N	Y	Y	Y
SWMU 64	Landfill 13	3		Administrative Soil Cover	Y	Y	Y
SWMU 66	Landfill 15	3		N	Y	Y	Y
SWMU 68a	Original Landfill	3		N	Y	Y	Y
SWMU 68b	Landfill 1	3		Administrative Soil Cover	Y	Y	Y
SWMU 68c	Landfill 2	3		Administrative Soil Cover	Y	Y	Y
SWMU 68d	Sanitary Landfill	3		N	Y	Y	Y
SWMU 7	Playa 2	3		N	Y	Y	N
SWMU 8	Playa 3	3		N	Y	Y	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 82</b>	Nuclear Weapon Accident Residue Storage	3		Excavation	Y	Y	N
<b>SWMU 84</b>	Scrap, Salvage, and Storage Yard (Bldg 10-9)	3		Excavation	Y	Y	N
<b>SWMU 86</b>	11-14 Solvent Storage Shed	3		N	Y	Y	N
<b>SWMU 87</b>	Bldg 11-20 Solvent Storage Shed	3		N	Y	Y	N
<b>SWMU 9</b>	Playa 4	3		N	Y	Y	N
<b>Unassigned</b>	Demonstration Facilities	3		Excavation	Y	Y	N
<b>Unassigned</b>	Former 11-15 Pond	3		N	Y	Y	N
<b>Unassigned</b>	Former Leaching Bed North of Bldg 11-50 and West of Bldg 11-36	3		Excavation	Y	Y	N
<b>Unassigned</b>	Concrete Sump (near Bldg 12-5B)	3		N	Y	Y	N
<b>Unassigned AOC</b>	Zone 10 Landfills West and Southwest of SWMU 84 Scrap and Salvage Yard	3		N	Y	Y	Y
<b>Unassigned SWMU</b>	Zone 10 Berms	3		N	Y	Y	N
<b>Unassigned SWMU</b>	Evaporation Pit East of Bay 3 (Bldg 11-20)	3		Excavation	Y	Y	N
<b>Unassigned SWMU</b>	Evaporation Pit South of Bay 11/West of Bay 6 (Bldg 11-20)	3		Backfill/Cover	Y	Y	N
<b>Unassigned SWMU</b>	SWMU Capacitor Bank Rupture	3		N	Y	Y	N
<b>AOC 7b</b>	Bldg 12-4 Sulfuric Acid Spill	2	2004	N	Y	N	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
Permitted Unit 1	Container Storage 11-7N Pad	2	2005	N	Y	N	N
SVS 1	Denuded Area near Playa 1	2	2005	N	Y	N	N
SWMU 106	Waste Accumulation Site at Bldg 16-1	2	2005	Excavation	Y	N	N
SWMU 109	Concrete Sump (Bldg 12-68)	2	2004	Sump removal/Excavation	Y	N	N
SWMU 11	Surface Impoundment in Zone 5 (Bldg FS-16)	2	2005	D&D	Y	N	N
SWMU 110	Bldg 12-68 Electroplating Waste Retention Basin (Moat)	2	1997	N	Y	N	N
SWMU 139	Photo Processing Leaching Bed (Bldg FS-10)	2	2005	N	Y	N	N
SWMU 140	Old Sewage Treatment Plant/Sludge Beds	2	2005	D&D / Excavation	Y	N	N
SWMU 5-03a	Drainage Ditches (Bldg12-68)	2	2004	Excavation	Y	N	N
SWMU 5-03b	Drainage Ditches (Bldg 12-18)	2	2004	N	Y	N	N
SWMU 5-03c	Drainage Ditches (Bldg 12-9)	2	2004	N	Y	N	N
SWMU 5-03d	Drainage Ditch (Bldg 12-10)	2	2004	N	Y	N	N
SWMU 5-10	Drainage Ditches near the Old Sewage Treatment Plant	2	2005	Excavation	Y	N	N
SWMU 5-14	Drainage Ditch from Zone 11 to Playa 2	2	2005	N	Y	N	N
SWMU 53	Temporary High Explosives Burning Ground	2	2005	Excavation	Y	N	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
<b>SWMU 63</b>	Landfill 12	2	2005	Administrative Soil Cover	Y	N	Y
<b>SWMU 70</b>	Firing Site 5	2	1999	D&D / Excavation, Fence	Y	N	Y
<b>SWMU 71</b>	Firing Site 6	2	2000	N	Y	N	N
<b>SWMU 73</b>	Firing Site 15	2	2000	N	Y	N	N
<b>SWMU 97</b>	Waste Accumulation Area, Bldg 12-34	2	1999	N	Y	N	N
<b>Unassigned</b>	Dumpster Area near FS-11	2	2005	N	Y	N	N
<b>Unassigned AOC</b>	Bldg 12-1 Laundry Sump	2	2004	Decontamination	Y	N	N
<b>Unassigned SWMU</b>	FS-22 Container Gun Barrel	2	1999	D&D	Y	N	N
<b>Unassigned SWMU</b>	11-14 Hypalon Pond and Waste water Line	2	1995	Backfill/Cover	Y	N	N
<b>AOC 2</b>	Main Electrical Substation (4-28)	1	1993	N	N	N	N
<b>AOC 6a</b>	Gasoline Leaks at Bldgs 12-35	1	1999	Tank Removal / Excavation	N	N	N
<b>AOC 6b</b>	Gasoline Leak at Bldg 16-1	1	1999	N	N	N	N
<b>Permitted Unit 10</b>	Container Storage Area (Conex WM7)	1	2001	N	N	N	N
<b>Permitted Unit 11</b>	Container Storage Area (Conex WM8)	1	2001	N	N	N	N
<b>Permitted Unit 36</b>	Bldgs 11-9 Tank	1	1999	N	N	N	N



Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
Permitted Unit 37	Bldg 11-9 Tank	1	1999	N	N	N	N
Permitted Unit 38	Bldg 11-15a Tank	1	1999	N	N	N	N
Permitted Unit 39	Bldg 11-15a Tank	1	1999	N	N	N	N
Permitted Unit 40	Bldg 11-9 Container Storage Area	1	2002	D&D	N	N	N
Permitted Unit 46	Container Storage Area (Conex WM1-A)	1	1998	N	N	N	N
Permitted Unit 47	Container Storage Area (Conex WM1-B)	1	1998	N	N	N	N
Permitted Unit 48	Container Storage Area (Conex WM3-A)	1	1998	N	N	N	N
Permitted Unit 49	Container Storage Area (Conex WM5-A)	1	1998	N	N	N	N
Permitted Unit 50	Container Storage Area (Conex WM5-B)	1	1998	N	N	N	N
Permitted Unit 52	Igloo 4-46 Storage	1	1998	N	N	N	N
Permitted Unit 54	Igloo 4-74 Storage	1	1998	N	N	N	N
Permitted Unit 8	Container Storage Area (Conex WM5)	1	2001	N	N	N	N

Corrective/ Remedial Action Release Unit #	Corrective/Remedial Action Unit Description	RRS Closure	Closure Date	ICM/ Remedial Action	Institutional Control Required	LTM Groundwater Required?	Inspection/ Maintenance Required?
Permitted Unit 9	Container Storage Area (Conex WM6)	1	2001	N	N	N	N
SWMU 108	Bldg 12-68 Batch Master	1	1997	D&D	N	N	N
SWMU 130	Portable Waste Solvent Tanks	1	2001	Excavation	N	N	N
SWMU 133	UST #30, Waste Oil Tank at Bldg 16-1	1	1999	N	N	N	N
SWMU 79a	11-7A (Unit 41) Container	1	2005	N	N	N	N
SWMU 79b	11-7B Pad (Unit 42) Container	1	2005	N	N	N	N
SWMU 80	Container Storage Area Conex 1 (Permitted Unit 4) in Zone 4	1	2000	N	N	N	N
SWMU 80	Container Storage Area Conex 2 (Permitted Unit 5) in Zone 4	1	2000	N	N	N	N
SWMU 80	Container Storage Area Conex 3 (Permitted Unit 6) in Zone 4	1	2000	N	N	N	N
SWMU 80	Container Storage Area Conex 4 (Permitted Unit 7) in Zone 4	1	2000	N	N	N	N
SWMU 81	Mixed Waste Storage, Magazine 4-19	1	1993	N	N	N	N
Unassigned	UST #9 Bldg 12-17E	1	2004	Tank Removal / Excavation	N	N	N
Unassigned	UST #7 Bldg 12-5B	1	1999	Tank Removal / Excavation	N	N	N
Unassigned	UST #38 Bldg 12-98	1	1999	Tank Removal / Excavation	N	N	N
Unassigned	UST #39 North of Bldg 12-84A	1	1999	Tank Removal / Excavation	N	N	N

\*SWMUs 14-27 at the Burning Ground consist of old burn pads that were carried through investigation and cleanup. Also included with those burn pads is an ash disposal trench that resulted from the disposal of ash from the burn pads. The final remedy for SWMUs 14-27 was a soil cover over the trench that must be inspected and maintained as necessary.

Administrative Closure – These sites were identified as potential release sites as part of the RCRA Facility Assessment. No evidence of release could be found upon further investigation, so these sites were not considered as a solid waste management unit and were closed.

RRS 1 – The sites were investigated and determined that all wastes and media were within background concentrations or below the PQL. These sites were closed with no further controls required.

RRS 2 – All wastes and contaminated media were remediated to health-based cleanup levels. Additionally, an ecological risk evaluation determined these sites posed no risk to the environment. These sites do not require post-closure care; however, deed recordation of the contaminated area was completed and the sites were restricted to industrial use.

RRS 3 - These sites required a human health and ecological risk assessment to determine the areas that required remedial action. All sites required deed recordation of the contamination, restriction of property use to industrial, and appropriate institutional controls to prevent contaminated groundwater usage and cross-contamination from perched groundwater to the drinking water aquifer. Some of these sites also require post-closure care such as maintenance of soil covers, fencing, and ditch liners.

Active – These sites are still in use for their intended purpose. These sites will undergo a full investigation and cleanup process once the site is no longer used by Pantex.

This page intentionally left blank.

# **Appendix B**

## **Extraction Well Flow Data**



## B. Extraction Well Flow Calculations

The flows included here have been calculated from information obtained from each pump and treat system at Pantex.

The P1PTS data acquisition system recorded hourly flow rates and well operation time. This was used to calculate the total flow from each well by month. The system also records total influent flow rates and total volume each day. 2022 SEPTS flow data was recorded in the I-Historian software and average hourly flow rates were downloaded from the I-Historian database. The total flow discussed in Section 2 is based on the influent flow volume which is easily calibrated and closely tracked. Because flow rates and operational status of the well is recorded hourly rather than each minute, there will be some inconsistencies between the total calculated flow from the wells vs. the influent flow into the system. These well flow calculations provide a basis for understanding the flow rate for each well, the amount of downtime, and allows for tracking of pumping rates for the wells. Changes in these rates can trigger maintenance at the wells.

### B.1. P1PTS Flow Volumes

The P1PTS system was in its fourteenth full year of operation. The system only operated one week per quarter to allow the SEPTS to be fully operated until April of 2022, when the system was shutdown to undergo a construction tie-in to the new center pivot irrigation system.

Table B-1 presents the downtime contributors. Pumping was primarily affected by shutdown to allow SEPTS to operate fully, loss of paging system, and shutdown due to construction activities. The loss of paging system required the system to only operate during the day when workers were present. When the system was operating, flow was restricted due to the loss of the irrigation system, which required water to be released to Playa 1. Flow to Playa 1 is restricted by permit.

**Table B-1. P1PTS Well Downtime Contributors**

Month	Operational Contributor	Well Contributions
<b>January</b>	Irrigation System/Playa 1 restrictions, SEPTS operation	-
<b>February</b>	Irrigation System/Playa 1 restrictions, SEPTS operation, only operated 1 week	-
<b>March</b>	Paging issues, only operated 1 week, 8 hr/day	EW-72, EW-78A, EW-80, EW-81
<b>April</b>	Operated until April 11 then shutdown for construction activities	EW-72, EW-78A, EW-80, EW-81
<b>May</b>	Shutdown due to construction activities	-
<b>June</b>	Shutdown due to construction activities	-
<b>July</b>	Shutdown due to construction activities	-
<b>August</b>	Shutdown due to construction activities	-

Month	Operational Contributor	Well Contributions
September	Shutdown due to construction activities	-
October	Shutdown due to construction activities	-
November	Shutdown due to construction activities	-
December	Shutdown due to construction activities	-

## B.2. SEPTS Flow Volumes

The SEPTS has been operating since 1995 when it started as a treatability study. It has been expanded to become a corrective action for the southeastern portion of the perched groundwater plumes.

Operation of the system was affected by carbon change-outs, communication issues, construction activities and power outages. Well operation time has also been impacted by various electrical, pump, and control problems, and the prioritization of pumping from the well field. As discussed in Section 2, the SEPTS, as designed, can treat up to 300 gpm, although the system can exceed 300 gpm at times. Since the system well field capacity exceeds 300 gpm, pumping priorities were established for extraction well operation (see Figure 2-9 in Section 2). Due to decline in water levels, future pumping is expected to be impacted and pumping prioritization will no longer be required.

Table B-2 provides a summary of well downtime contributions by month. SEPTS operated consistently through the year due to the shutdown of P1PTS. During 2022, well downtime impacted flow. PTX06-EW-10 and PTX06-EW-51 were shut down part of 2022, due to the increasing concentrations of perchlorate observed at the wells. Installation of a new perchlorate treatment system allowed for these wells to begin operating again in August 2022. Wells east of FM 2373, PTX06-EW-87 and PTX06-EW-88, were down variably. Water levels at PTX06-EW-83 through PTX06-EW-86 have declined to the point they can no longer be operated. Several high priority wells are not operating due to low water levels. Several wells required repair during 2022. To address the continued issues, a new electrical contract was started during 2022, allowing quicker response to well repair. Three wells were repaired by the end of 2022.

Injection was started in July 2017 after the break at the filter bank and continues to provide an outlet for a portion of the SEPTS flow. Repairs were made to the filter bank, but repairs were then required to the subsurface system, with communication issues arising that also required repair. All issues were addressed in early 2022 and limited operation of the system began. However, the WWTF ponds required maintenance in 2022 that impacted operation of the subsurface irrigation system due to limited storage capacity during the maintenance period. A mishap with a bird also caused an electrical failure of the subsurface irrigation system in early December 2022. The system is currently under repair. The pivot irrigation system started



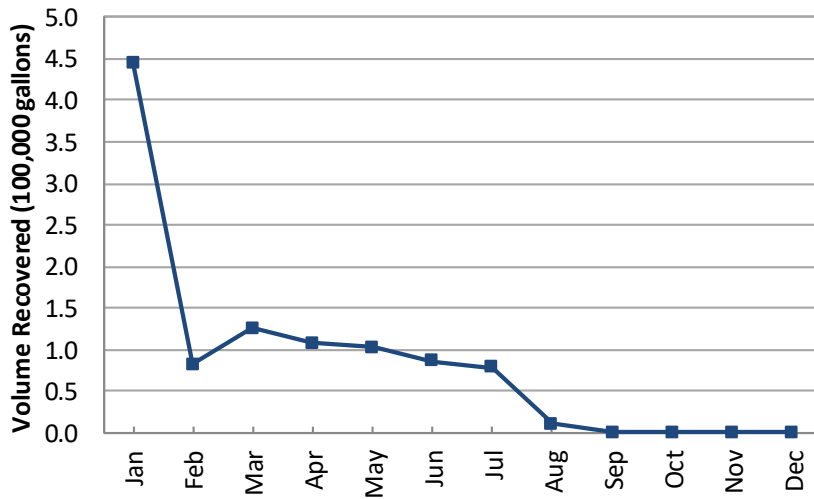
construction in November 2021 and is expected to be commissioned for use in summer 2023. Injection is expected to be part of the operation strategy for SEPTS until the pivot irrigation system is operational in 2023.

**Table B-2. SEPTS Well Downtime Contributors**

Month	Operational Contributor	Well Contributions
<b>Jan</b>	GAC exchange	EW-7, EW-12, EW-27, EW-32, EW-42, EW-46, EW-48, EW-49, EW-53, EW-65, EW-83 – 86, EW-87, EW-88
<b>Feb</b>	None	EW-4, EW-12, EW-17, EW-27, EW-40, EW-41, EW-42, EW-45, EW-46, EW-48, EW-49, EW-53, EW-65, EW-83 - 86
<b>Mar</b>	None	EW-4, EW-7, EW-9, EW-12, EW-27, EW-33, EW-41, EW-42, EW-45, EW-48, EW-49, EW-65, EW-83 - 86
<b>Apr</b>	None	EW-4, EW-7, EW-9, EW-10, EW-12, , EW-33, EW-40, EW-42, EW-46, EW-48, EW-50, EW-55, EW-65, EW-83 - 86
<b>May</b>	None	EW-3, EW-4, EW-7, EW-10, EW-12, , EW-33, EW-40, EW-42, EW-45, EW-46, EW-49, EW-65, EW-83 - 86
<b>Jun</b>	GAC exchange	EW-3, EW-4, EW-7, EW-12, EW-33, EW-41, EW-46, EW-48, EW-49, EW-56, EW-65, EW-83 - 86
<b>Jul</b>	Power Failure	EW-3, EW-4, EW-7, EW-12, EW-26, EW-29, EW-33, EW-40, EW-41, EW-45, EW-46, EW-48, EW-49, EW-68, EW-83 – 86, EW-88
<b>Aug</b>	Construction activities	EW-3, EW-4, EW-7, EW-12, EW-29, EW-33, EW-40, EW-41, EW-45, EW-48, EW-49, EW-51, EW-56, EW-65, EW-83 – 86, EW-88
<b>Sep</b>	GAC exchange	EW-1, EW-3, EW-4, EW-7, EW-12, EW-26, EW-29, EW-33, EW-40, EW-41, EW-42, EW-45, EW-46, EW-48, EW-49, EW-51, EW-53, EW-55, EW-56, EW-65, EW-83 - 86
<b>Oct</b>	GAC exchange	EW-1, EW-3, EW-4, EW-7, EW-12, EW-26, EW-29, EW-35, EW-41, EW-42, EW-46, EW-48, EW-49, EW-55, EW-56, EW-67, EW-83 – 86, EW-88
<b>Nov</b>	Communication issues	EW-1, EW-3, EW-4, EW-7, EW-12, EW-26, EW-29, EW-42, EW-46, EW-48, EW-49, EW-53, EW-56, EW-65, EW-67, EW-83 - 86
<b>Dec</b>	Electrical failure at Plant, construction activities	EW-1, EW-3, EW-4, EW-7, EW-9, EW-12, EW-26, EW-29, EW-42, EW-44, EW-46, EW-48, EW-49, EW-53, EW-56, EW-67, EW-83 - 86

**Southeast Pump and Treat System  
PTX06-EW-1**

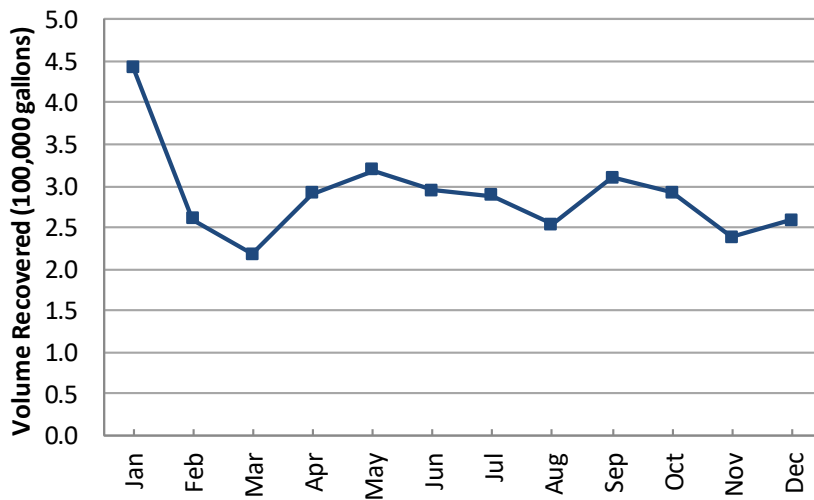
**2022 Monthly Groundwater Flow Rate**



Volume Recovered	
Month	(gallons)
Jan	445,939
Feb	82,004
Mar	124,941
Apr	107,607
May	102,946
Jun	85,877
Jul	78,485
Aug	10,562
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>1,038,361</b>

**PTX06-EW-2**

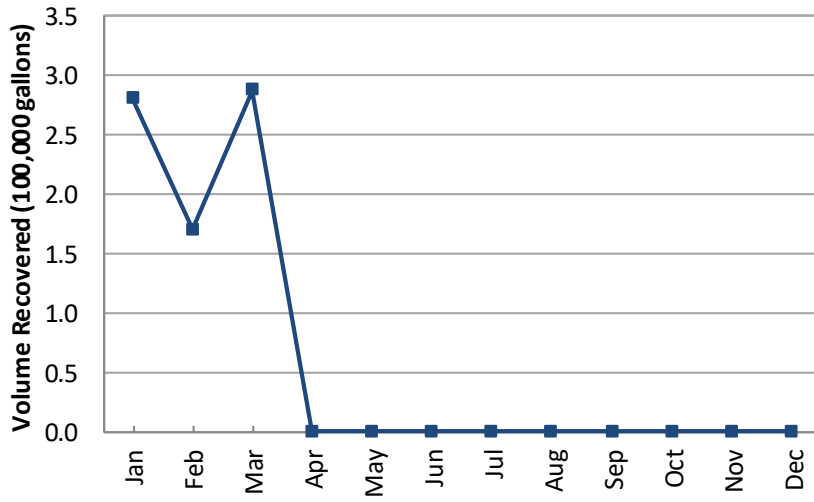
**2022 Monthly Groundwater Flow Rate**



Volume Recovered	
Month	(gallons)
Jan	442,370
Feb	260,194
Mar	218,030
Apr	290,918
May	319,238
Jun	294,090
Jul	287,760
Aug	253,116
Sep	310,401
Oct	292,068
Nov	238,405
Dec	258,031
<b>Total</b>	<b>3,464,621</b>

**PTX06-EW-3**

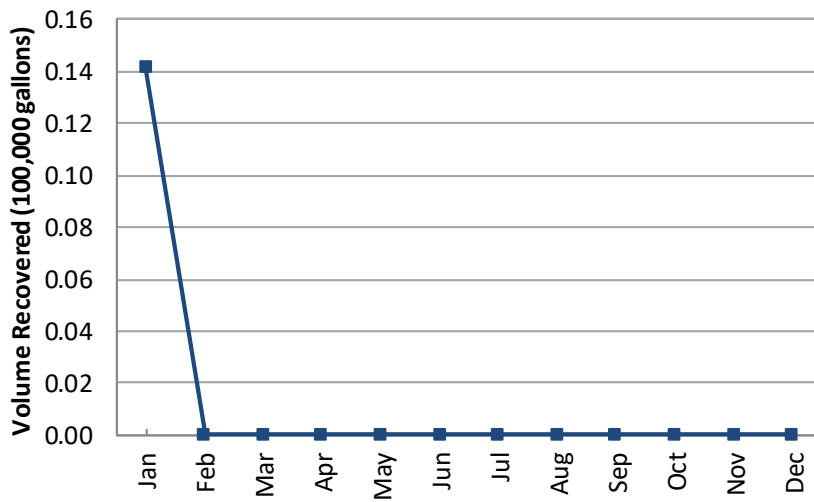
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	280,387
Feb	169,829
Mar	287,876
Apr	62
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>738,154</b>

**PTX06-EW-4**

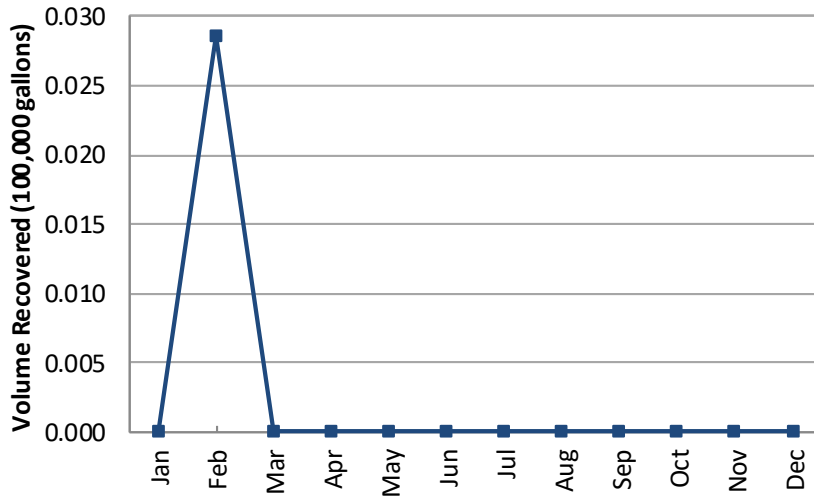
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	14,141
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>14,141</b>

**PTX06-EW-7**

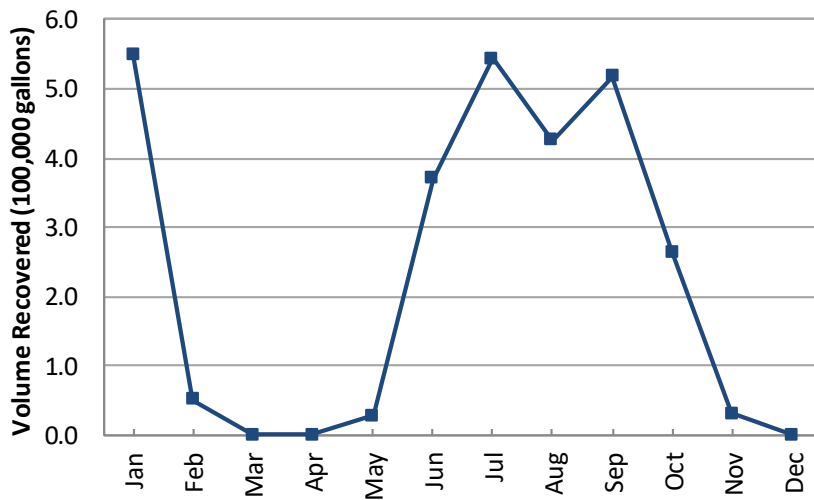
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	2,855
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>2,855</b>

**PTX06-EW-9**

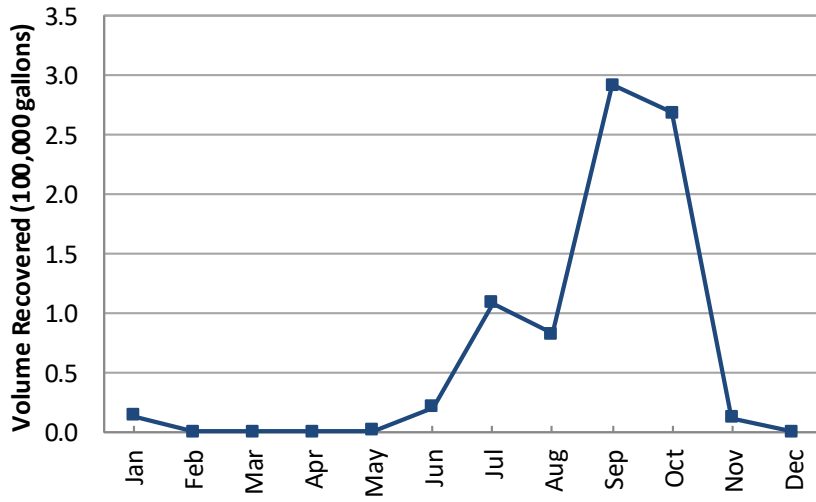
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	549,272
Feb	50,452
Mar	0
Apr	0
May	28,207
Jun	370,367
Jul	544,364
Aug	425,670
Sep	517,458
Oct	264,283
Nov	30,831
Dec	0
<b>Total</b>	<b>2,780,904</b>

PTX06-EW-10

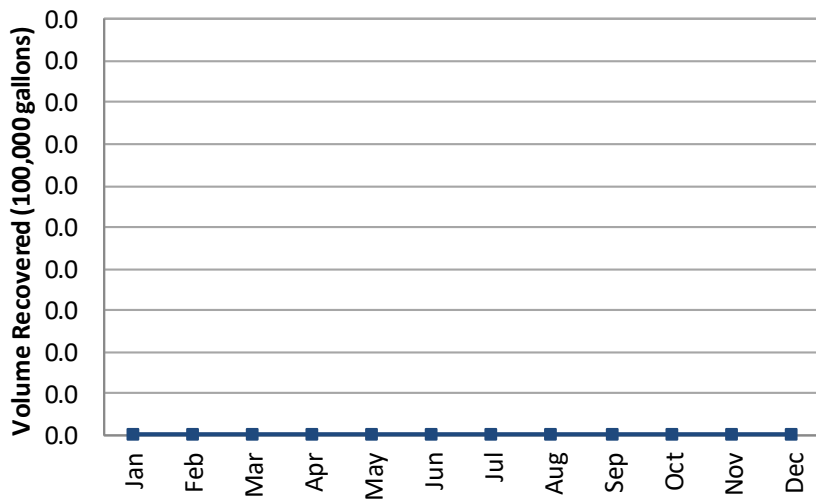
2022 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	13,885
Feb	86
Mar	404
Apr	0
May	1,060
Jun	20,973
Jul	108,392
Aug	82,673
Sep	292,085
Oct	268,708
Nov	11,783
Dec	0
<b>Total</b>	<b>800,049</b>

PTX06-EW-12

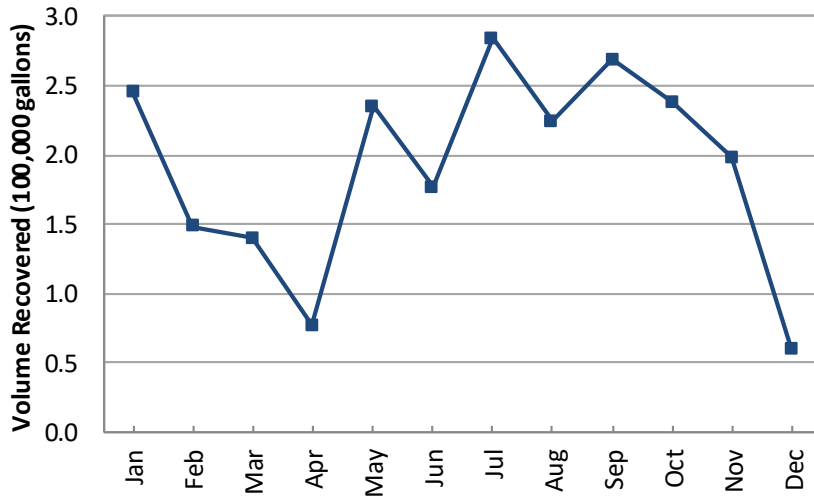
2022 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>0</b>

**PTX06-EW-15**

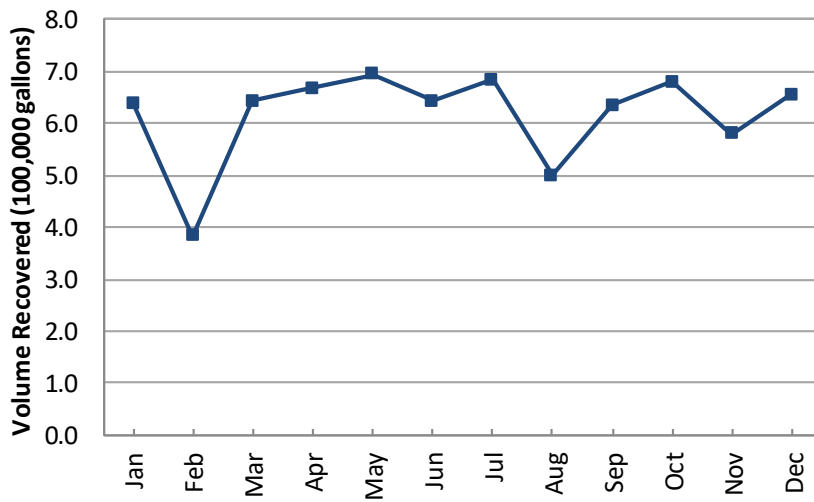
**2022 Monthly Groundwater Flow Rate**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	244,611
Feb	148,611
Mar	139,615
Apr	76,847
May	234,899
Jun	176,595
Jul	284,310
Aug	224,055
Sep	268,960
Oct	238,326
Nov	198,010
Dec	60,063
<b>Total</b>	<b>2,294,902</b>

**PTX06-EW-16**

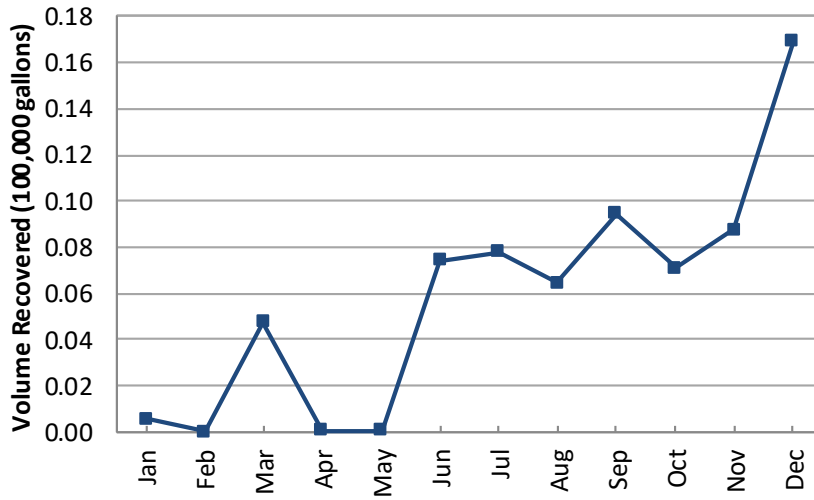
**2022 Monthly Groundwater Flow Rate**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	638,350
Feb	382,826
Mar	642,709
Apr	667,159
May	695,010
Jun	643,567
Jul	683,190
Aug	499,465
Sep	633,923
Oct	679,458
Nov	579,578
Dec	656,106
<b>Total</b>	<b>7,401,341</b>

**PTX06-EW-17**

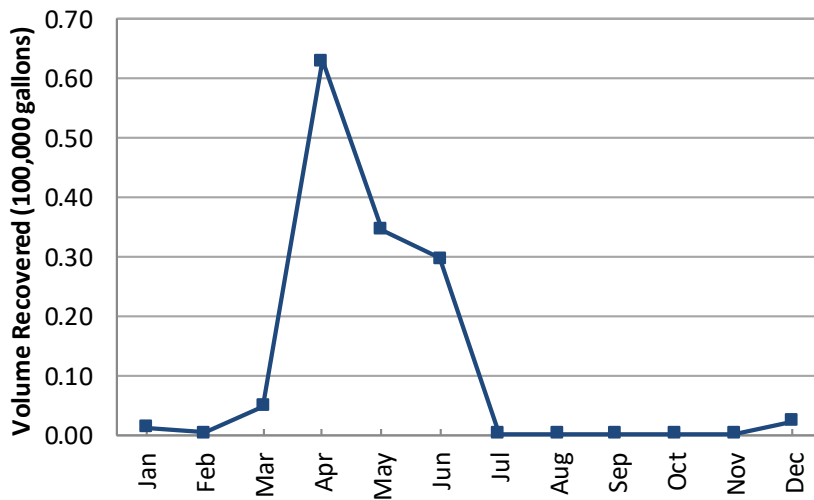
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	552
Feb	0
Mar	4,748
Apr	73
May	72
Jun	7,425
Jul	7,796
Aug	6,461
Sep	9,425
Oct	7,114
Nov	8,764
Dec	16,914
<b>Total</b>	<b>69,344</b>

**PTX06-EW-18**

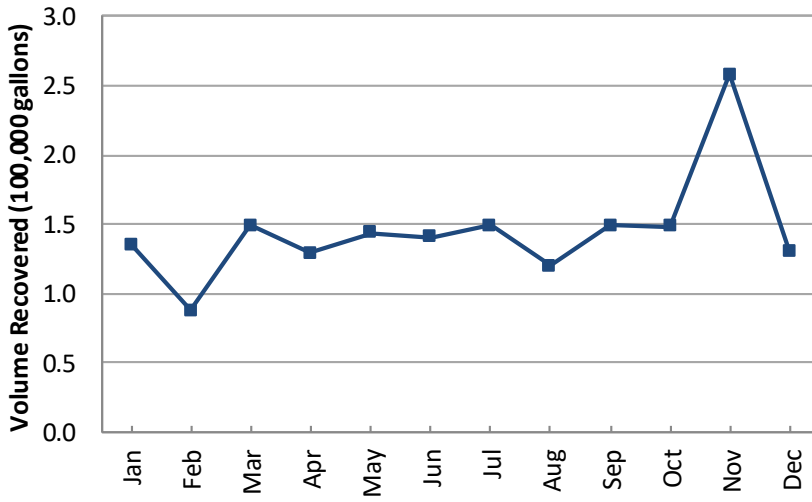
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	1,307
Feb	337
Mar	4,874
Apr	63,162
May	34,632
Jun	29,765
Jul	256
Aug	186
Sep	120
Oct	190
Nov	138
Dec	2,335
<b>Total</b>	<b>137,302</b>

**PTX06-EW-19**

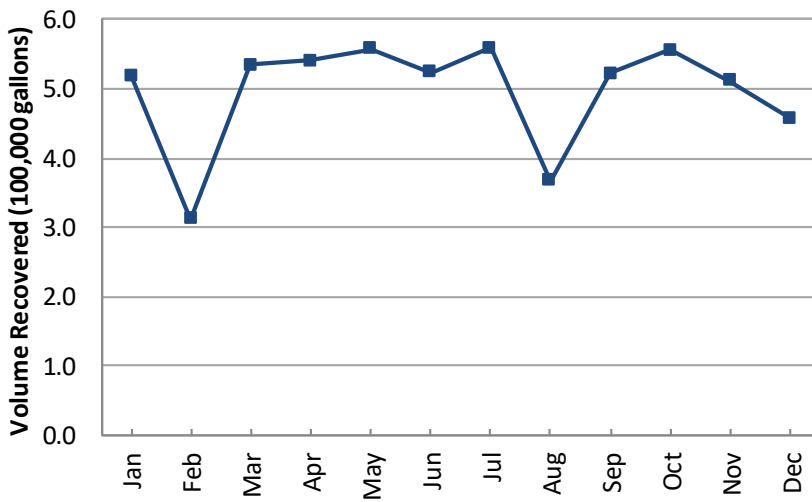
**2022 Monthly Groundwater Flow Rate**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	135,556
Feb	87,750
Mar	149,323
Apr	128,768
May	143,345
Jun	140,558
Jul	148,745
Aug	119,727
Sep	148,777
Oct	148,326
Nov	257,954
Dec	130,363
<b>Total</b>	<b>1,739,192</b>

**PTX06-EW-20**

**2022 Monthly Groundwater Flow Rate**

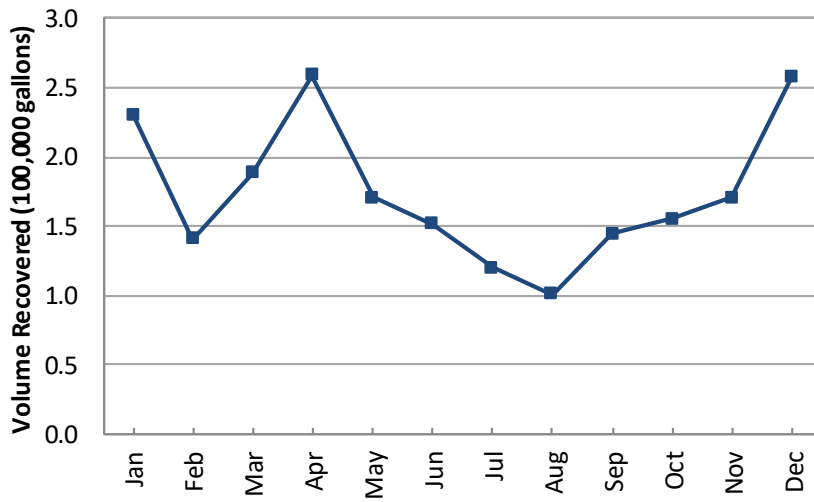


<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	518,651
Feb	312,358
Mar	534,079
Apr	540,096
May	558,140
Jun	523,014
Jul	559,529
Aug	367,331
Sep	522,868
Oct	556,577
Nov	511,131
Dec	458,015
<b>Total</b>	<b>5,961,789</b>



**PTX06-EW-22**

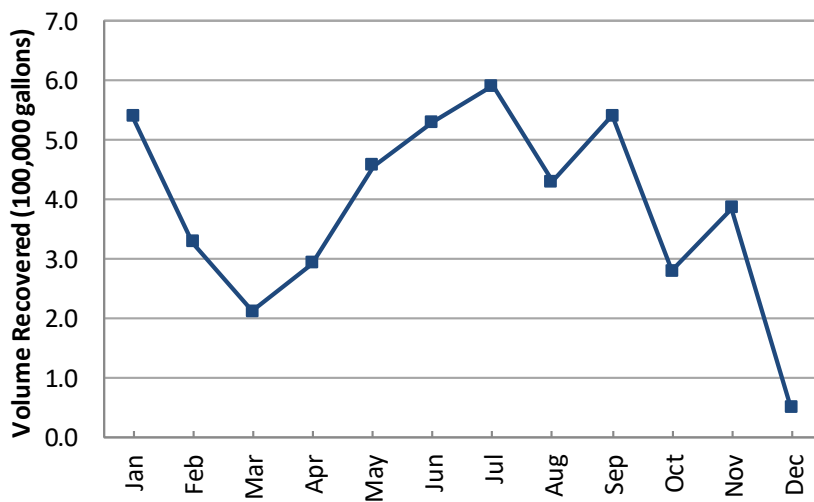
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	230,221
Feb	140,214
Mar	188,338
Apr	258,883
May	170,674
Jun	151,331
Jul	119,622
Aug	100,599
Sep	144,712
Oct	155,471
Nov	170,828
Dec	257,016
<b>Total</b>	<b>2,087,909</b>

**PTX06-EW-23**

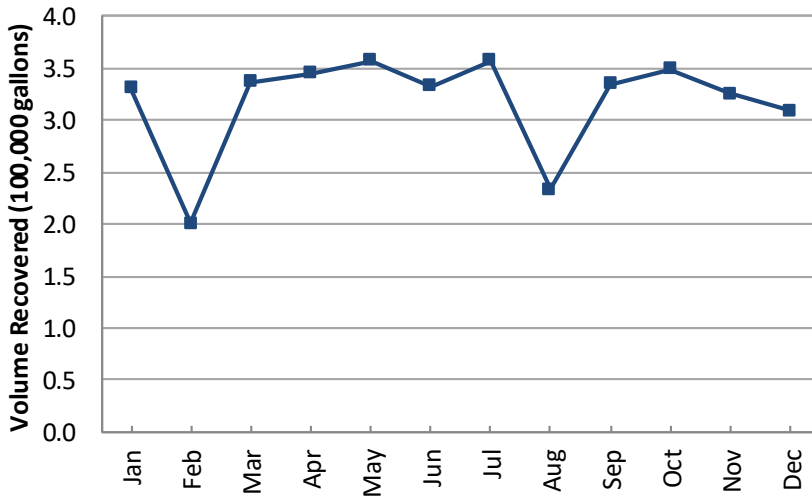
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	540,238
Feb	328,689
Mar	211,402
Apr	291,710
May	456,861
Jun	530,431
Jul	591,063
Aug	430,045
Sep	541,730
Oct	279,605
Nov	385,435
Dec	49,184
<b>Total</b>	<b>4,636,393</b>

**PTX06-EW-24**

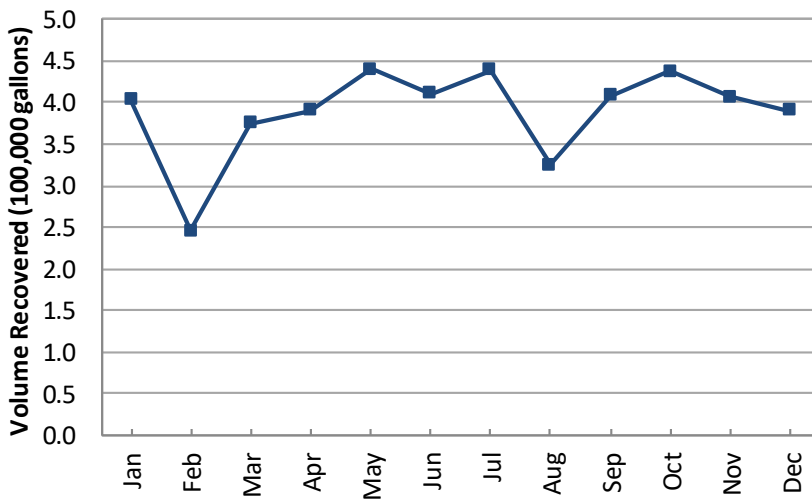
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	330,798
Feb	200,841
Mar	336,471
Apr	344,739
May	357,439
Jun	332,389
Jul	357,570
Aug	233,931
Sep	334,659
Oct	349,373
Nov	325,232
Dec	309,212
<b>Total</b>	<b>3,812,654</b>

**PTX06-EW-25**

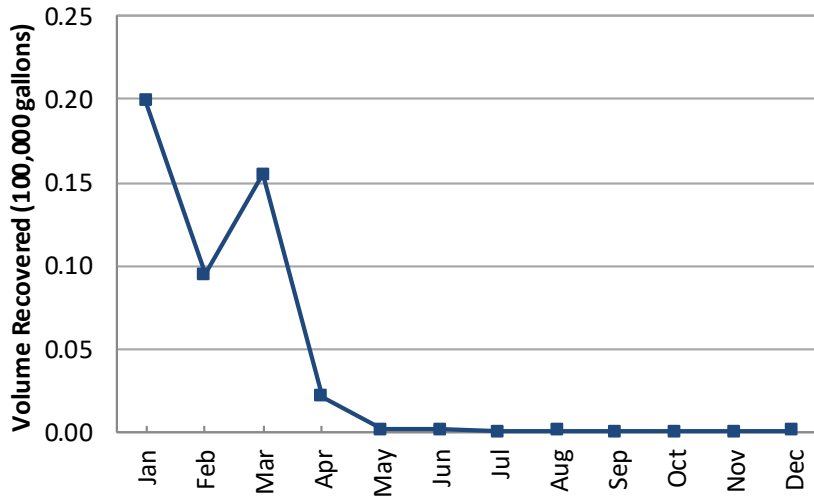
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	403,559
Feb	246,053
Mar	374,790
Apr	390,070
May	439,686
Jun	410,263
Jul	438,852
Aug	324,807
Sep	408,252
Oct	438,094
Nov	406,589
Dec	390,291
<b>Total</b>	<b>4,671,306</b>

**PTX06-EW-26**

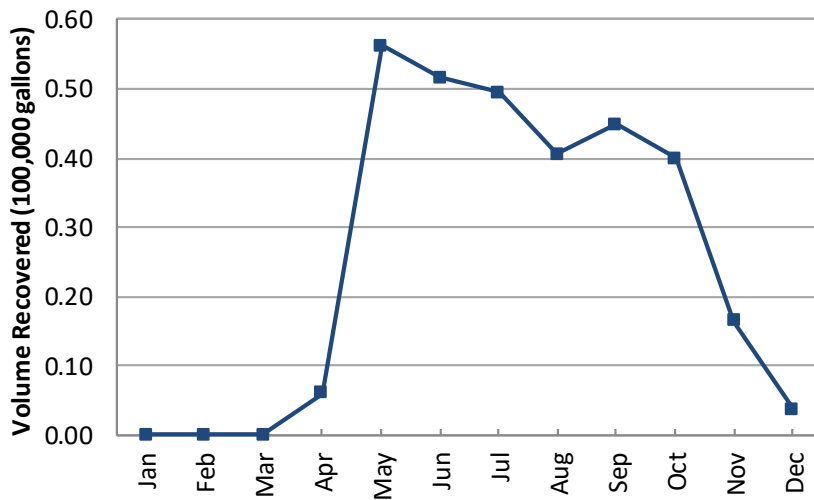
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	19,918
Feb	9,471
Mar	15,480
Apr	2,119
May	132
Jun	147
Jul	0
Aug	73
Sep	0
Oct	0
Nov	0
Dec	75
<b>Total</b>	<b>47,415</b>

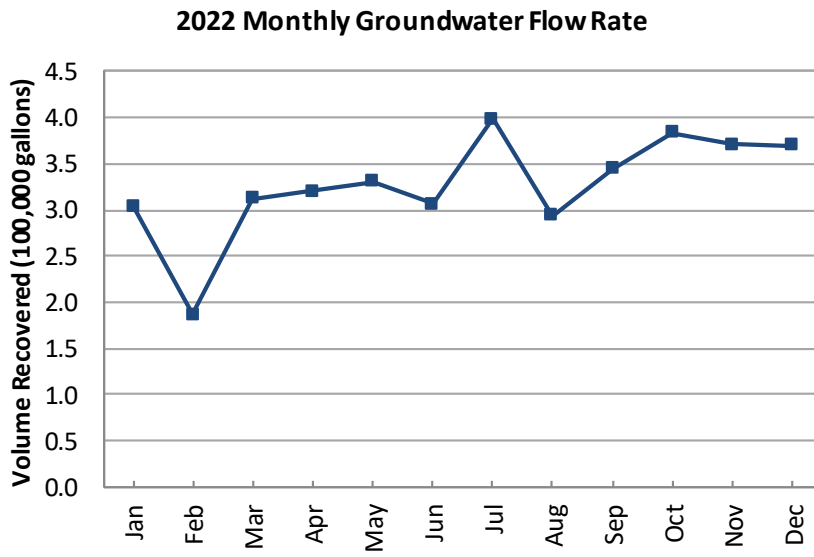
**PTX06-EW-27**

**2022 Monthly Groundwater Flow Rate**



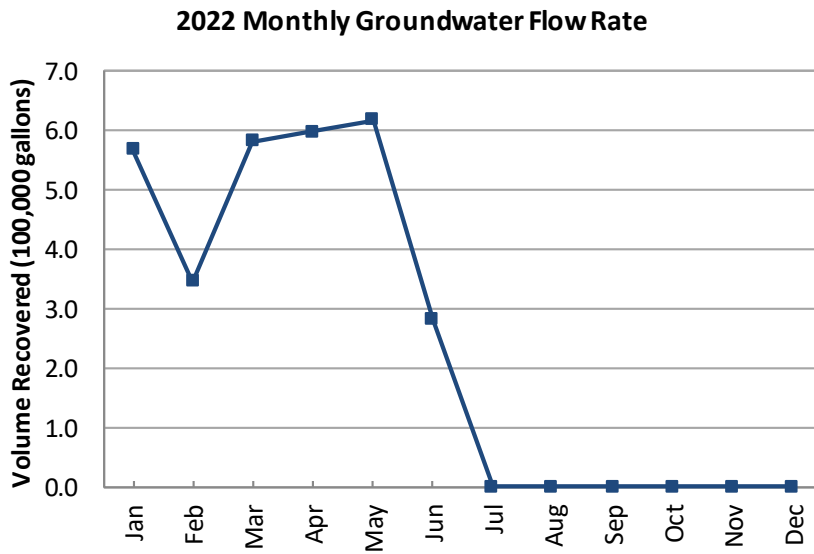
Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	5,961
May	56,190
Jun	51,544
Jul	49,532
Aug	40,485
Sep	44,924
Oct	39,982
Nov	16,418
Dec	3,662
<b>Total</b>	<b>308,698</b>

**PTX06-EW-28**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	304,560
Feb	186,578
Mar	312,221
Apr	320,158
May	330,633
Jun	306,885
Jul	398,311
Aug	294,237
Sep	343,885
Oct	383,644
Nov	371,030
Dec	369,658
<b>Total</b>	<b>3,921,800</b>

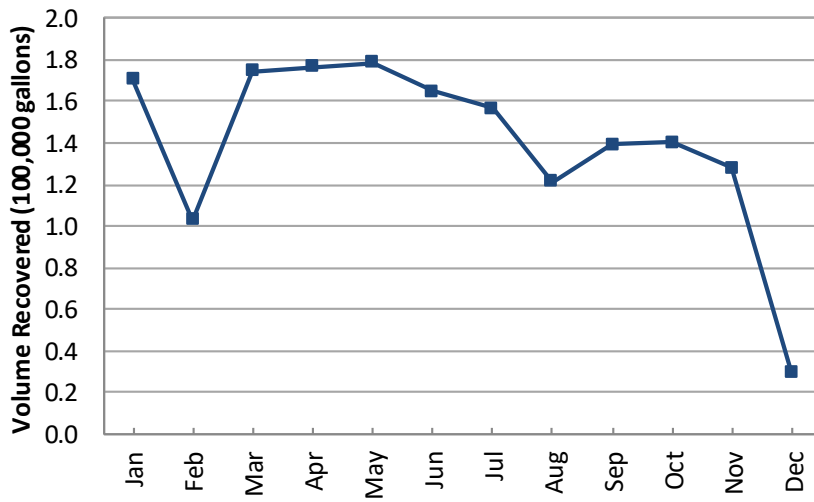
**PTX06-EW-29**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	567,359
Feb	346,789
Mar	582,605
Apr	599,163
May	617,611
Jun	281,766
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>2,995,293</b>

**PTX06-EW-30**

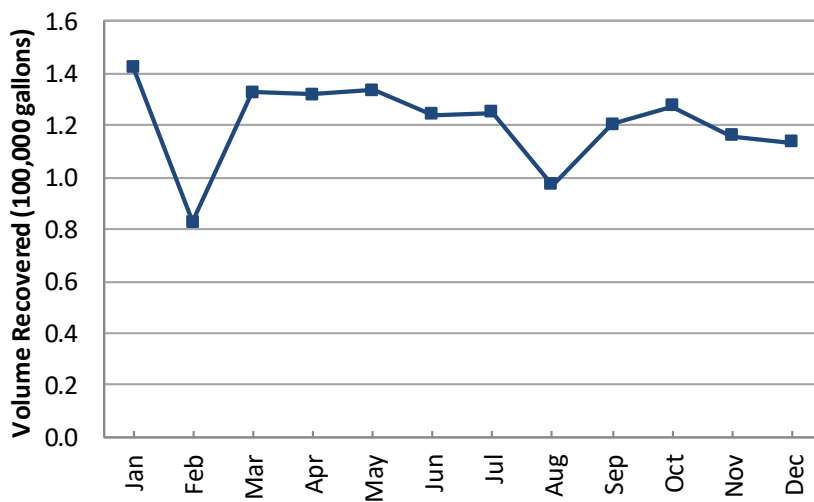
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	170,332
Feb	103,034
Mar	174,742
Apr	176,783
May	178,620
Jun	164,682
Jul	156,421
Aug	121,337
Sep	139,180
Oct	140,271
Nov	128,192
Dec	29,836
<b>Total</b>	<b>1,683,430</b>

**PTX06-EW-31**

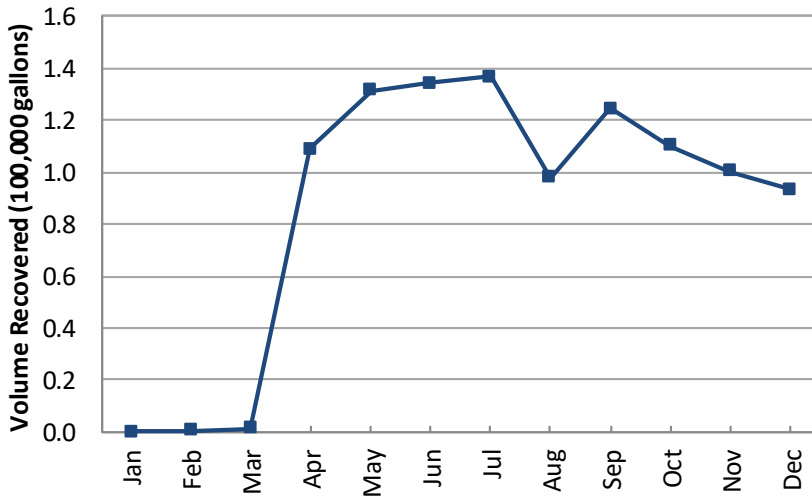
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	142,689
Feb	82,709
Mar	132,882
Apr	131,830
May	133,711
Jun	123,908
Jul	124,803
Aug	97,247
Sep	120,419
Oct	127,201
Nov	116,043
Dec	113,559
<b>Total</b>	<b>1,447,001</b>

**PTX06-EW-32**

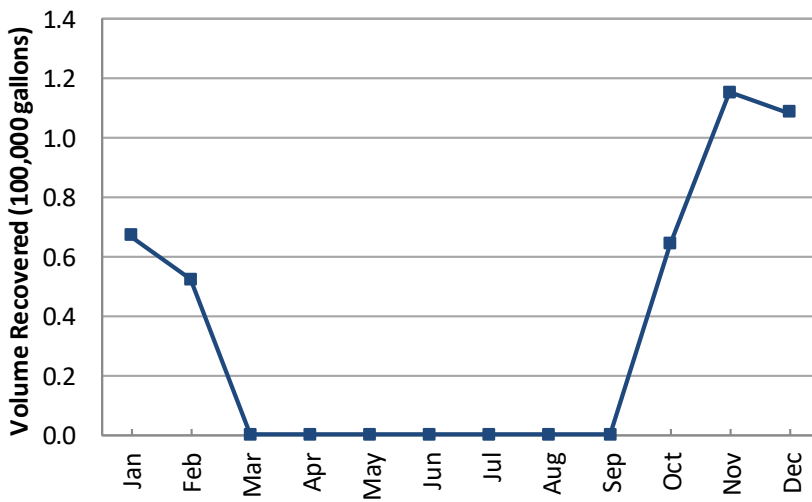
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	537
Mar	1,208
Apr	108,795
May	131,437
Jun	134,240
Jul	136,717
Aug	98,054
Sep	124,694
Oct	110,102
Nov	100,411
Dec	93,318
<b>Total</b>	<b>1,039,513</b>

**PTX06-EW-33**

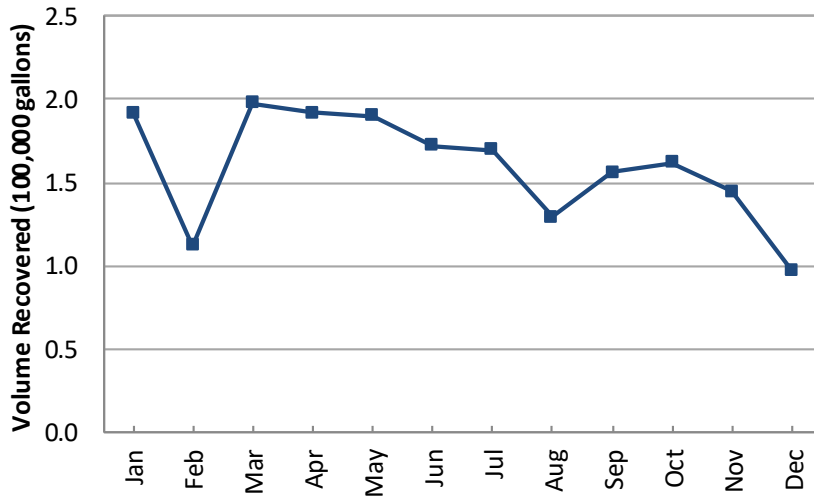
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	66,934
Feb	52,494
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	64,115
Nov	115,361
Dec	108,520
<b>Total</b>	<b>407,424</b>

**PTX06-EW-34**

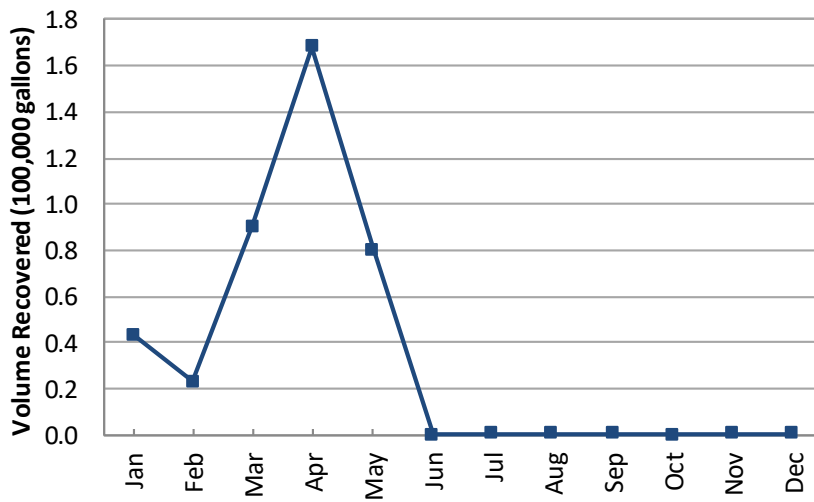
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	191,882
Feb	112,285
Mar	197,663
Apr	191,971
May	190,138
Jun	172,015
Jul	169,876
Aug	129,258
Sep	155,983
Oct	161,825
Nov	144,608
Dec	97,093
<b>Total</b>	<b>1,914,597</b>

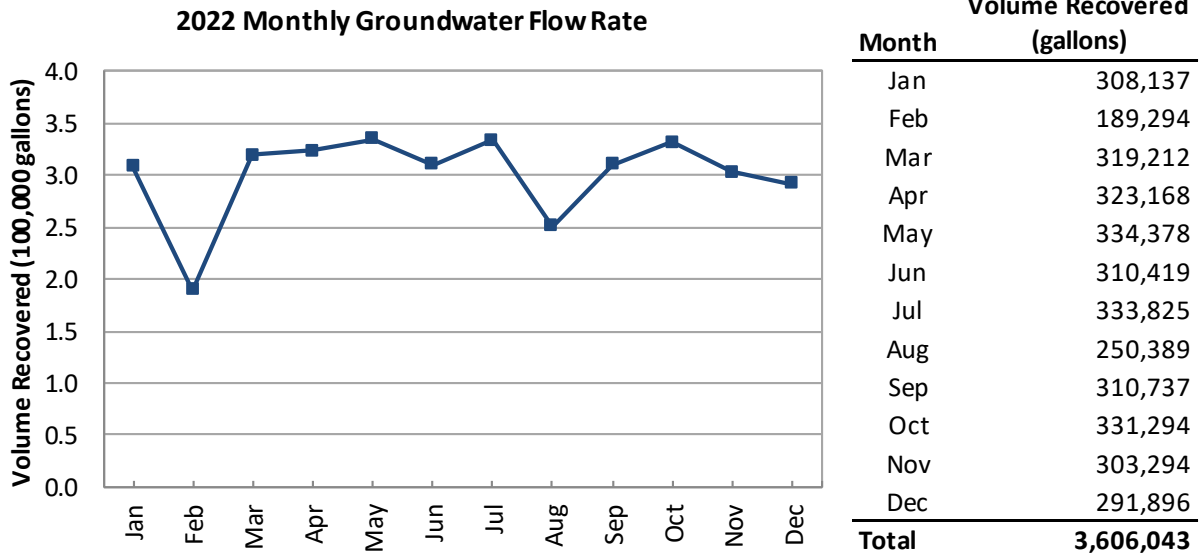
**PTX06-EW-35**

**2022 Monthly Groundwater Flow Rate**

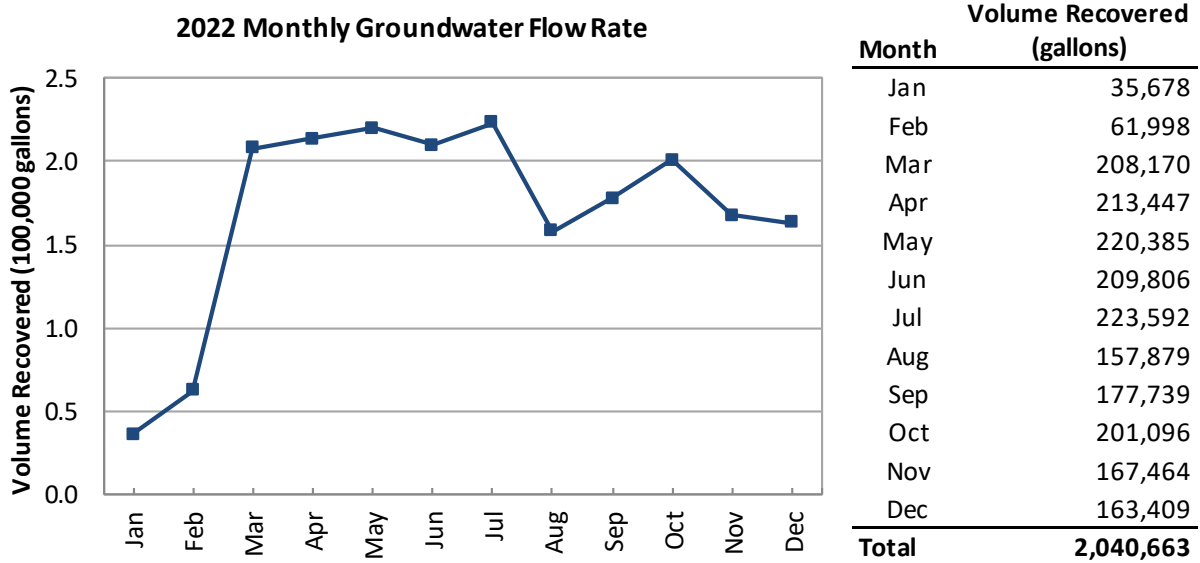


Volume Recovered (gallons)	
Month	
Jan	43,352
Feb	22,965
Mar	90,226
Apr	168,150
May	79,989
Jun	124
Jul	352
Aug	559
Sep	392
Oct	0
Nov	304
Dec	348
<b>Total</b>	<b>406,761</b>

**PTX06-EW-36**



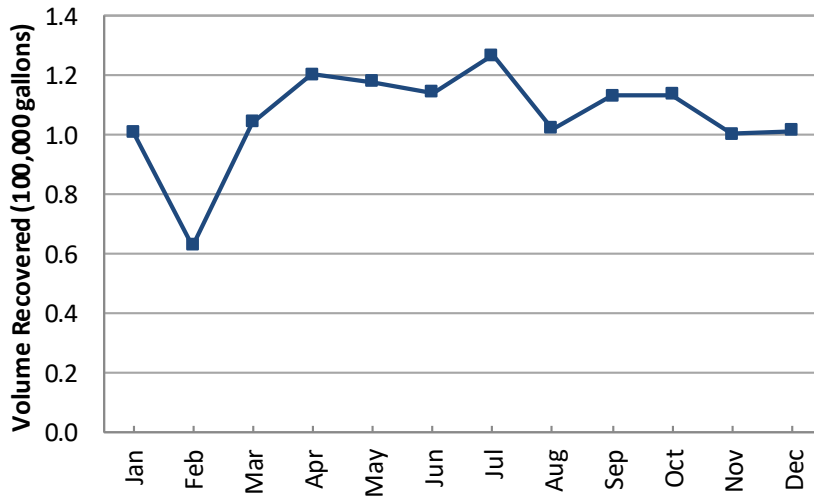
**PTX06-EW-37**





**PTX06-EW-38**

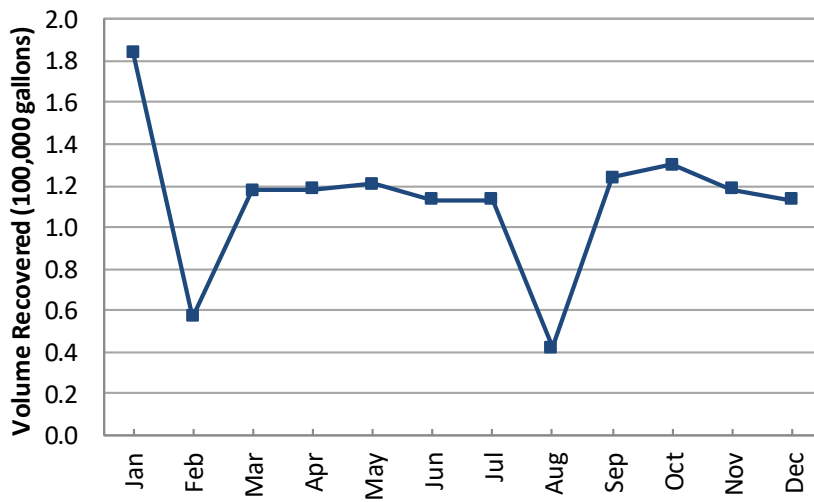
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	101,239
Feb	62,890
Mar	104,354
Apr	120,240
May	117,782
Jun	114,393
Jul	127,023
Aug	102,210
Sep	113,307
Oct	113,518
Nov	100,472
Dec	101,271
<b>Total</b>	<b>1,278,699</b>

**PTX06-EW-39**

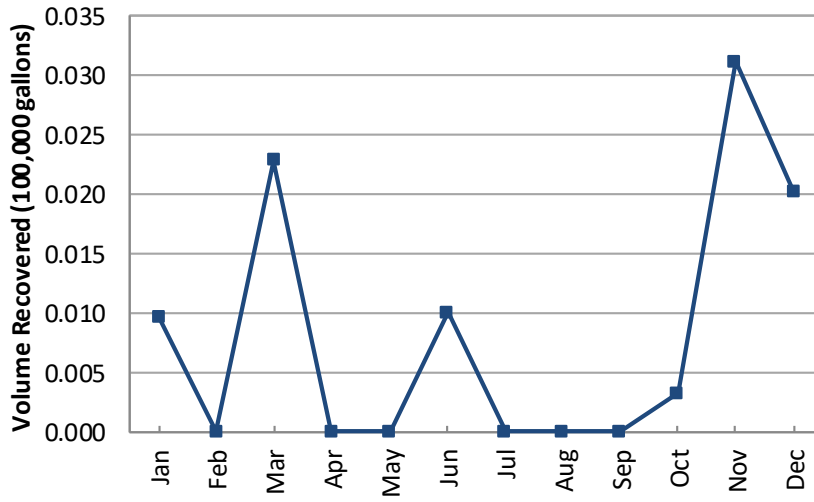
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	184,470
Feb	57,050
Mar	117,952
Apr	118,247
May	121,080
Jun	113,076
Jul	113,128
Aug	41,775
Sep	123,696
Oct	129,856
Nov	118,140
Dec	113,164
<b>Total</b>	<b>1,351,634</b>

**PTX06-EW-40**

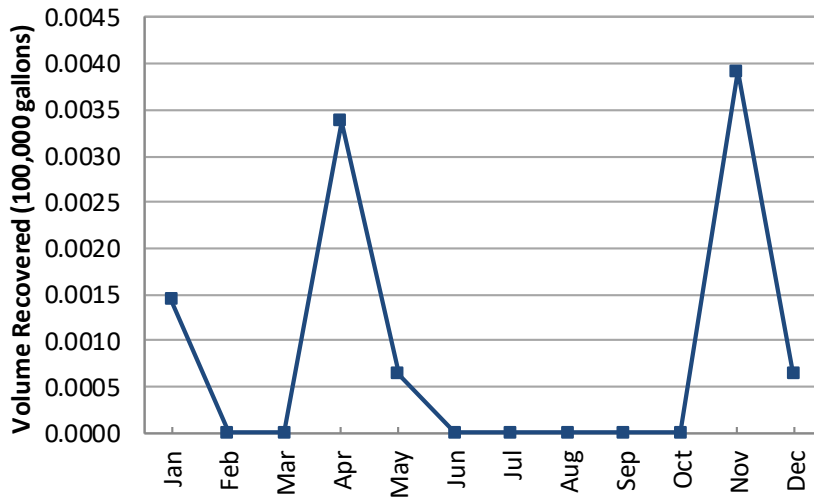
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	967
Feb	0
Mar	2,287
Apr	0
May	0
Jun	1,002
Jul	0
Aug	0
Sep	0
Oct	319
Nov	3,114
Dec	2,027
<b>Total</b>	<b>9,716</b>

**PTX06-EW-41**

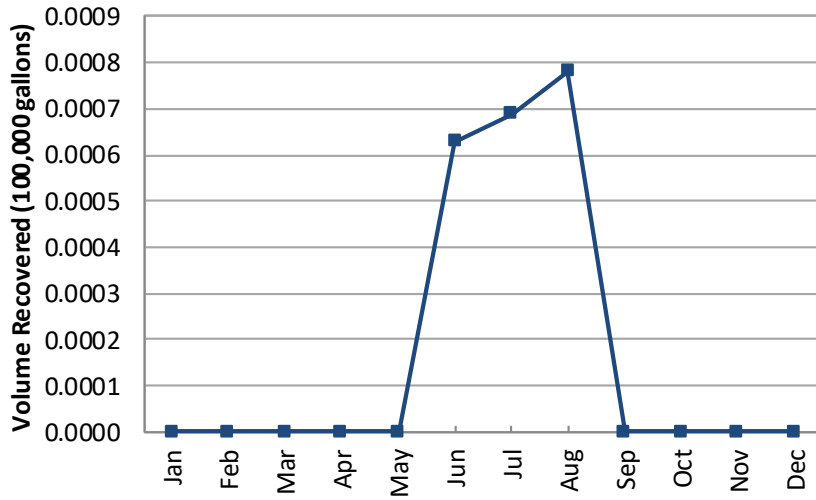
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	144
Feb	0
Mar	0
Apr	337
May	64
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	392
Dec	63
<b>Total</b>	<b>1,000</b>

**PTX06-EW-42**

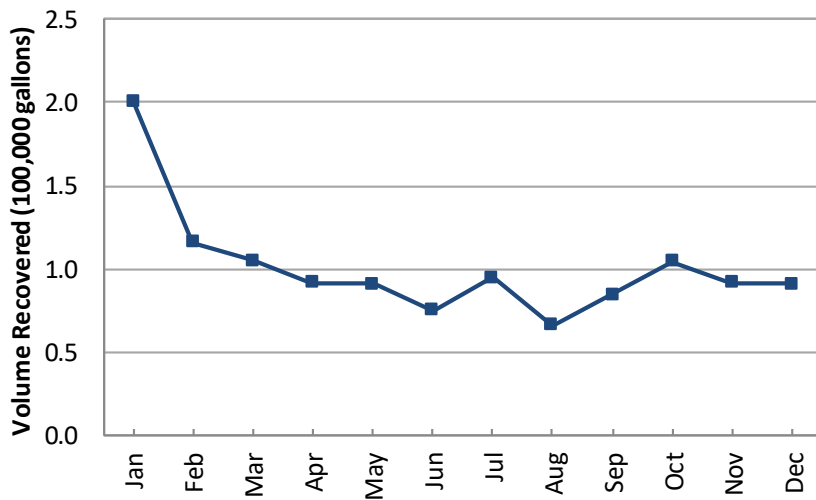
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	63
Jul	69
Aug	78
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>210</b>

**PTX06-EW-43**

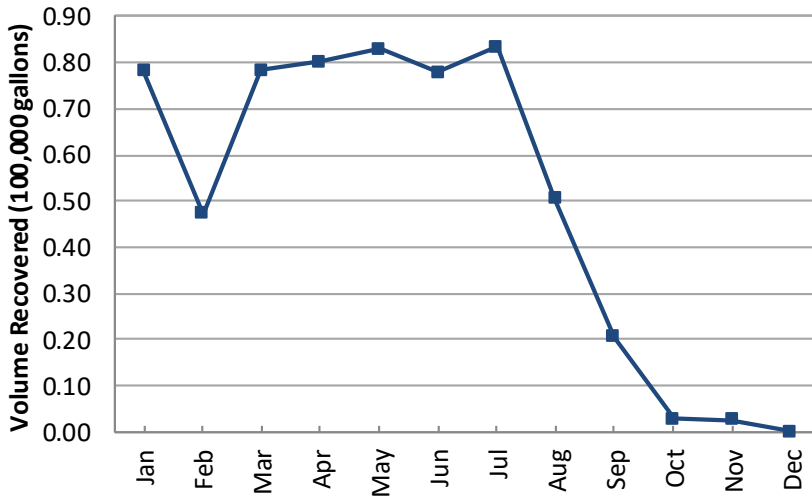
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	200,703
Feb	116,038
Mar	104,882
Apr	91,260
May	90,631
Jun	75,203
Jul	94,876
Aug	65,942
Sep	84,490
Oct	104,048
Nov	91,464
Dec	90,839
<b>Total</b>	<b>1,210,376</b>

**PTX06-EW-44**

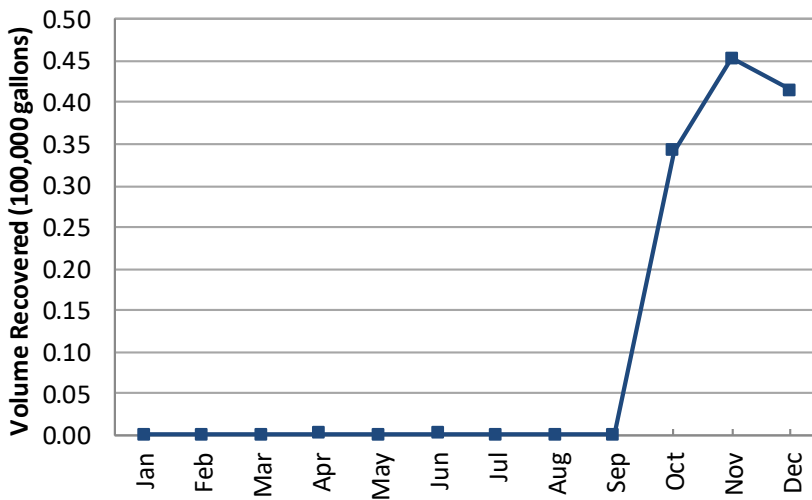
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	78,131
Feb	47,332
Mar	78,435
Apr	80,186
May	83,046
Jun	77,967
Jul	83,358
Aug	50,351
Sep	20,573
Oct	2,809
Nov	2,625
Dec	0
<b>Total</b>	<b>604,813</b>

**PTX06-EW-45**

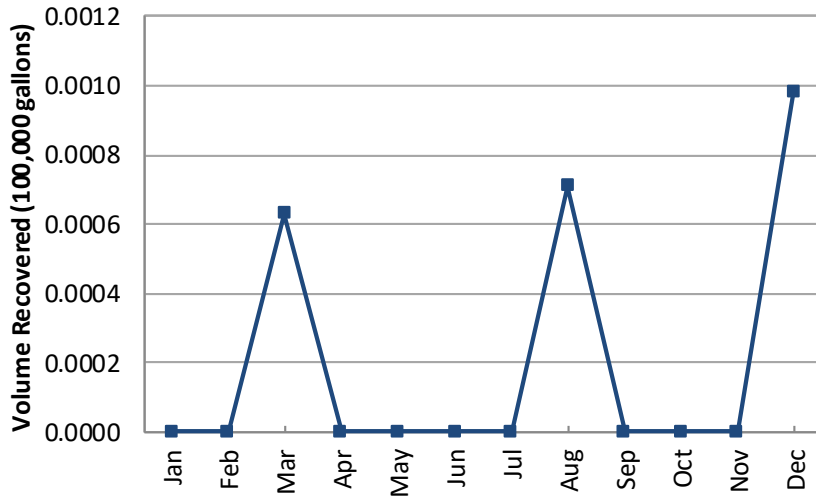
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	61
Feb	0
Mar	0
Apr	200
May	0
Jun	192
Jul	0
Aug	0
Sep	0
Oct	34,211
Nov	45,358
Dec	41,471
<b>Total</b>	<b>121,493</b>

**PTX06-EW-46**

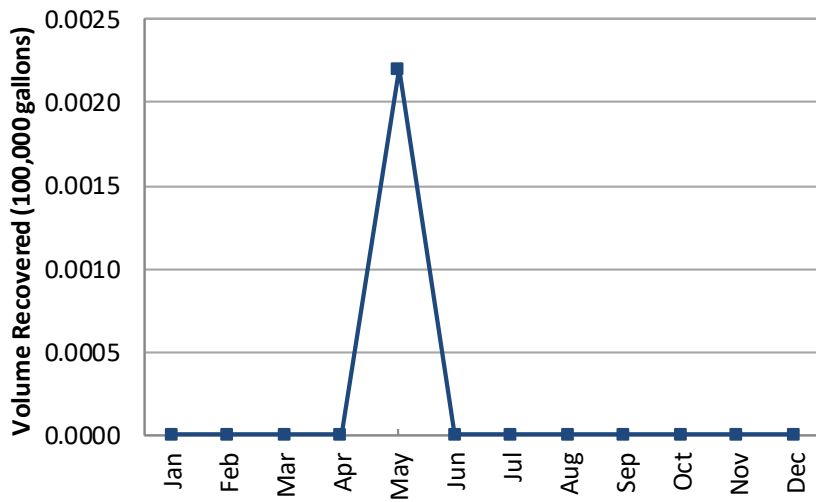
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	63
Apr	0
May	0
Jun	0
Jul	0
Aug	71
Sep	0
Oct	0
Nov	0
Dec	98
<b>Total</b>	<b>232</b>

**PTX06-EW-48**

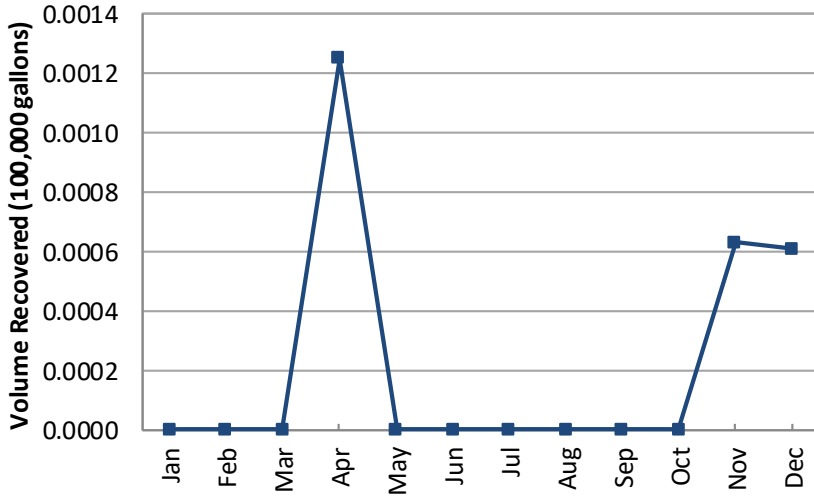
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	220
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>220</b>

**PTX06-EW-49**

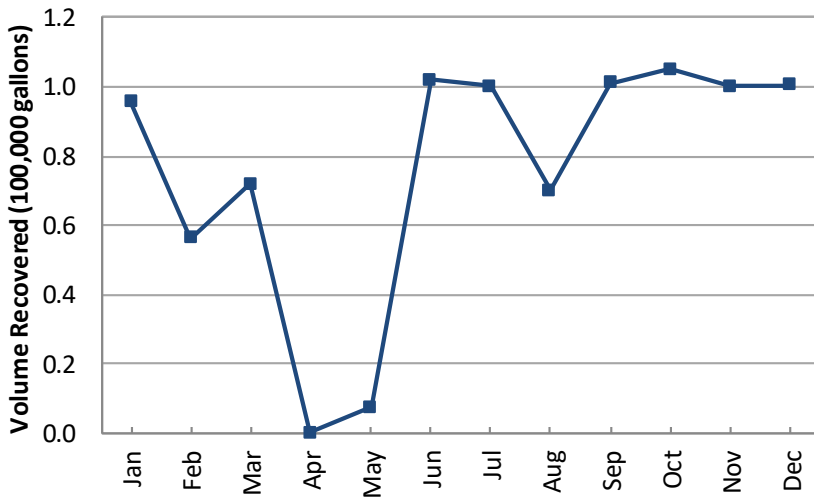
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	125
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	63
Dec	61
<b>Total</b>	<b>249</b>

**PTX06-EW-50**

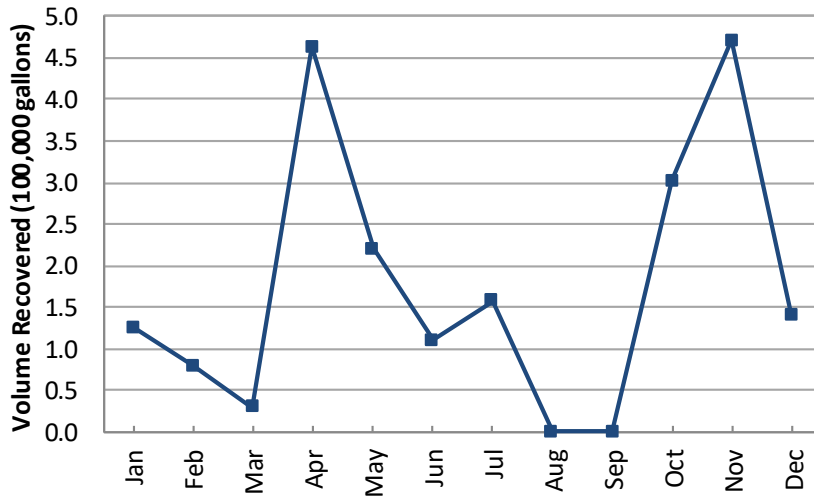
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	95,564
Feb	56,203
Mar	72,042
Apr	0
May	7,419
Jun	101,987
Jul	100,223
Aug	70,167
Sep	101,127
Oct	105,027
Nov	100,018
Dec	100,549
<b>Total</b>	<b>910,326</b>

**PTX06-EW-51**

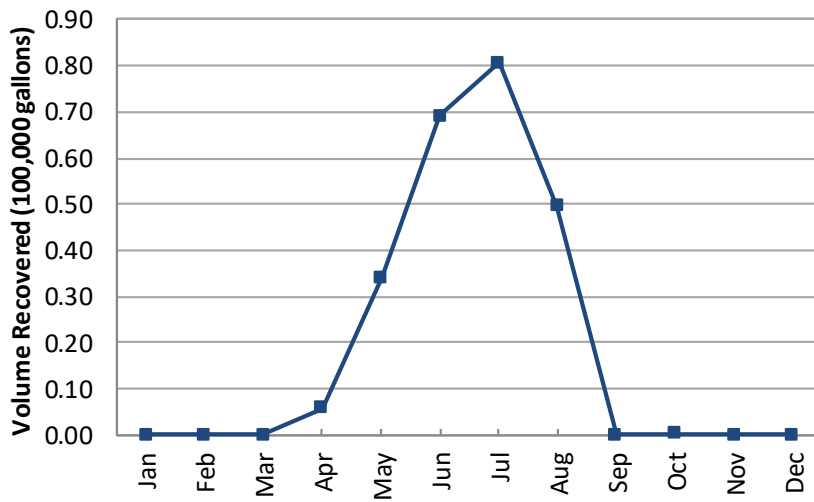
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	125,017
Feb	79,131
Mar	30,052
Apr	463,945
May	219,572
Jun	110,325
Jul	157,133
Aug	0
Sep	0
Oct	302,155
Nov	470,510
Dec	140,981
<b>Total</b>	<b>2,098,821</b>

**PTX06-EW-53**

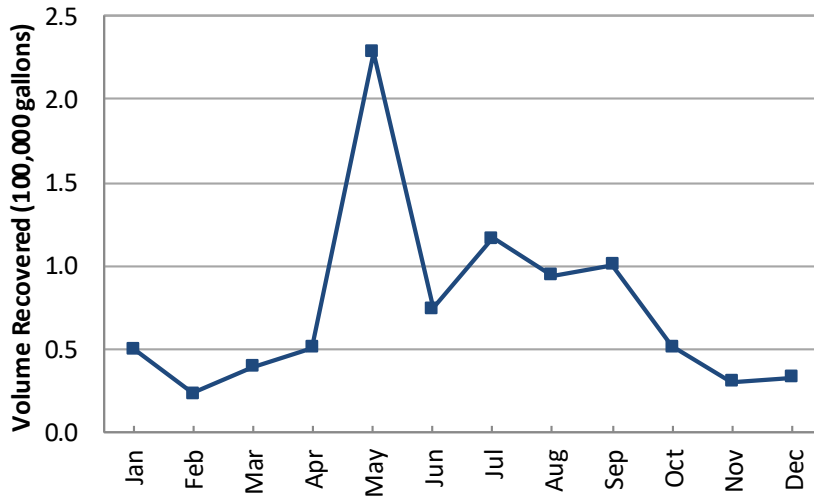
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	128
Apr	5,741
May	34,064
Jun	69,225
Jul	80,667
Aug	49,505
Sep	0
Oct	277
Nov	0
Dec	0
<b>Total</b>	<b>239,607</b>

**PTX06-EW-54**

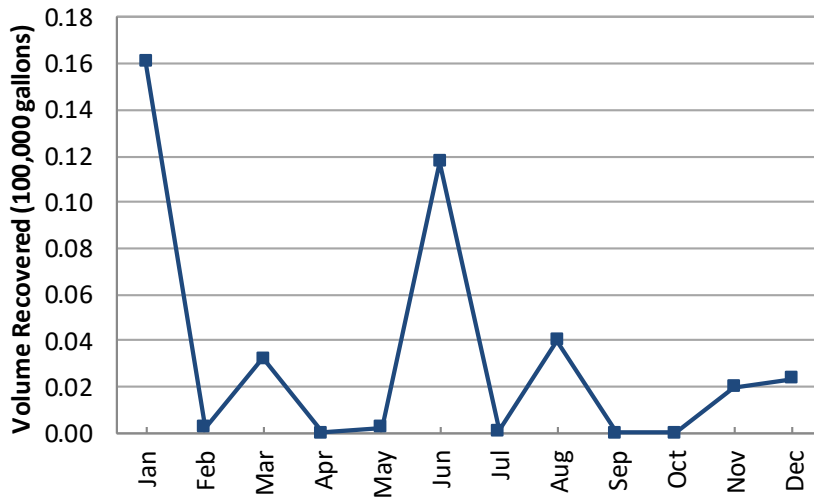
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	50,094
Feb	23,338
Mar	39,235
Apr	50,896
May	228,364
Jun	74,050
Jul	116,314
Aug	94,073
Sep	100,814
Oct	51,205
Nov	30,367
Dec	32,382
<b>Total</b>	<b>891,132</b>

**PTX06-EW-55**

**2022 Monthly Groundwater Flow Rate**

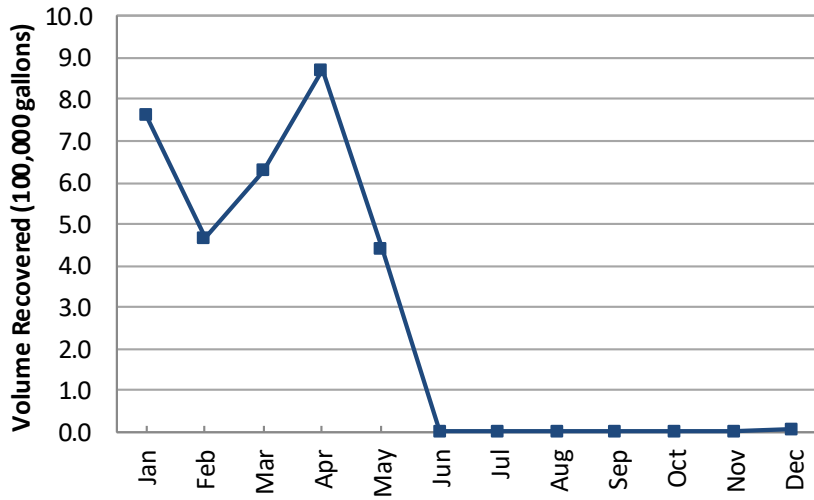


Volume Recovered (gallons)	
Month	
Jan	16,096
Feb	229
Mar	3,247
Apr	0
May	230
Jun	11,750
Jul	119
Aug	4,001
Sep	0
Oct	0
Nov	1,975
Dec	2,346
<b>Total</b>	<b>39,993</b>



**PTX06-EW-56**

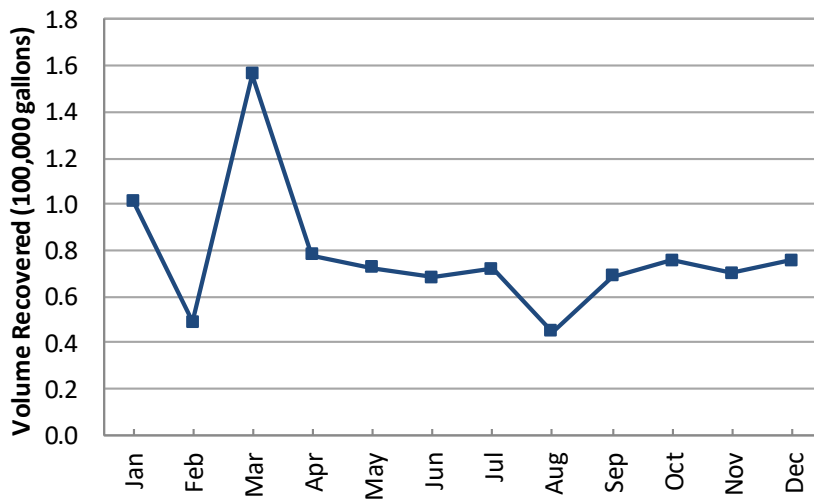
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	764,037
Feb	465,489
Mar	627,207
Apr	871,109
May	441,514
Jun	0
Jul	1,243
Aug	0
Sep	0
Oct	0
Nov	0
Dec	6,392
<b>Total</b>	<b>3,176,991</b>

**PTX06-EW-57**

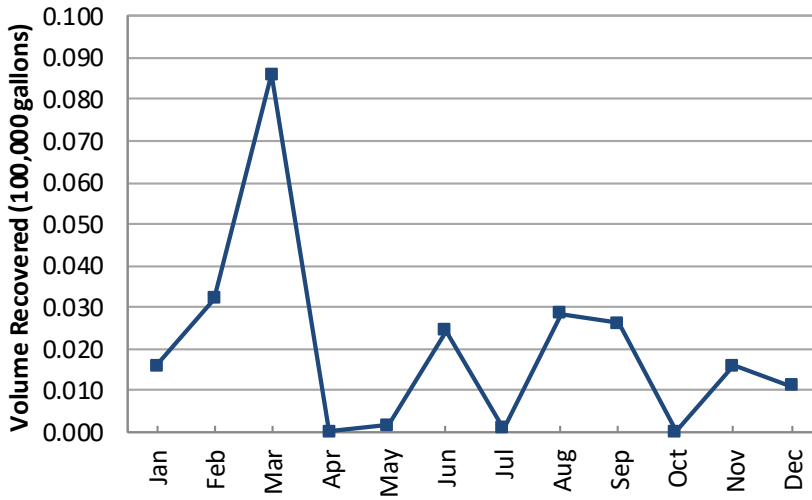
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	101,298
Feb	48,979
Mar	156,367
Apr	78,104
May	72,374
Jun	68,252
Jul	72,059
Aug	44,650
Sep	68,545
Oct	75,705
Nov	70,267
Dec	75,674
<b>Total</b>	<b>932,274</b>

**PTX06-EW-58**

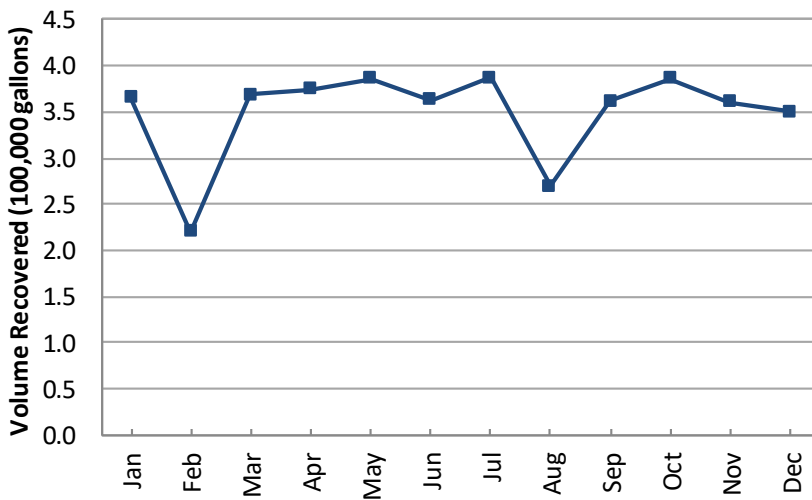
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	1,599
Feb	3,204
Mar	8,606
Apr	0
May	145
Jun	2,443
Jul	88
Aug	2,853
Sep	2,601
Oct	0
Nov	1,581
Dec	1,103
<b>Total</b>	<b>24,223</b>

**PTX06-EW-59**

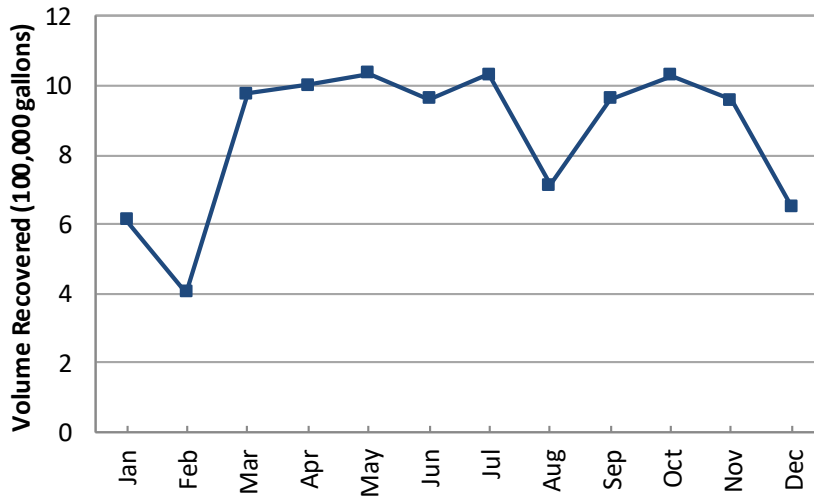
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	364,622
Feb	220,422
Mar	369,104
Apr	374,416
May	385,688
Jun	362,807
Jul	386,625
Aug	269,892
Sep	362,254
Oct	385,568
Nov	360,402
Dec	349,908
<b>Total</b>	<b>4,191,708</b>

**PTX06-EW-60**

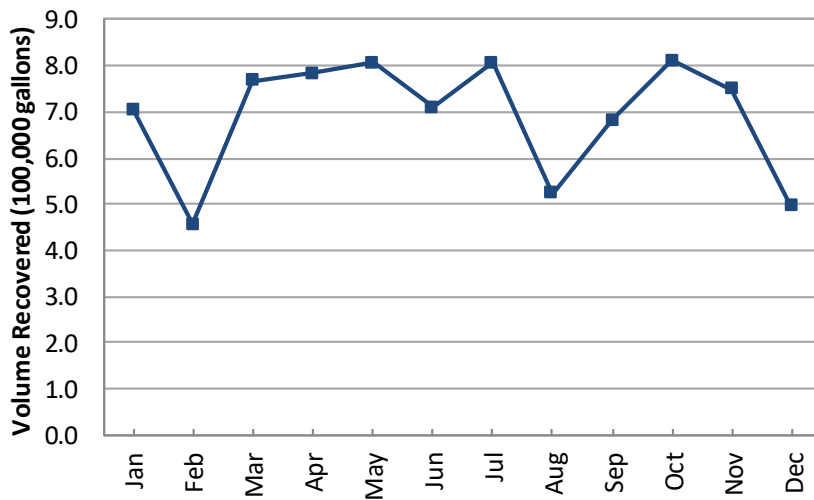
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	610,213
Feb	402,659
Mar	976,786
Apr	1,002,696
May	1,036,136
Jun	962,620
Jul	1,032,384
Aug	713,688
Sep	962,999
Oct	1,030,269
Nov	958,665
Dec	650,440
<b>Total</b>	<b>10,339,555</b>

**PTX06-EW-61**

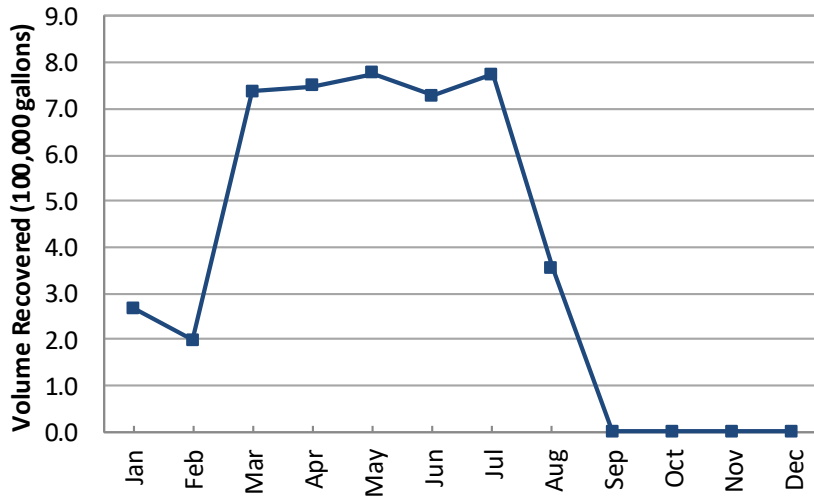
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	705,504
Feb	455,761
Mar	768,039
Apr	783,369
May	807,133
Jun	710,334
Jul	805,427
Aug	523,464
Sep	681,686
Oct	811,704
Nov	748,695
Dec	496,453
<b>Total</b>	<b>8,297,569</b>

**PTX06-EW-62**

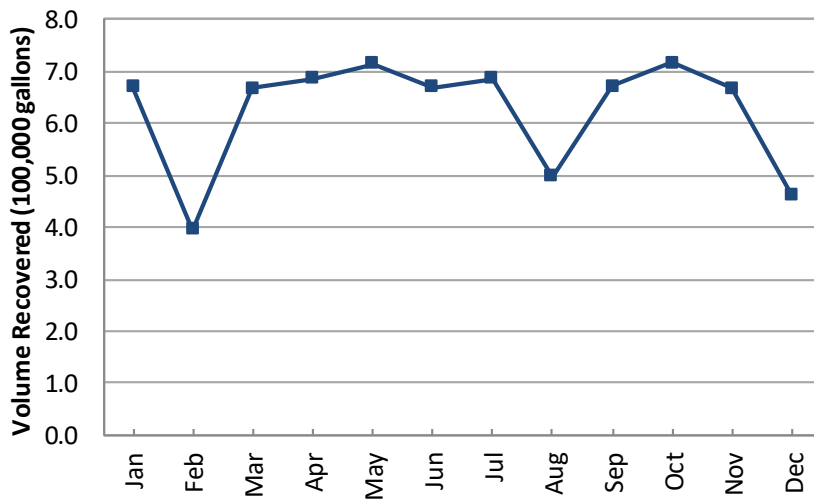
**2022 Monthly Groundwater Flow Rate**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	266,296
Feb	198,757
Mar	737,302
Apr	748,531
May	776,575
Jun	727,198
Jul	774,069
Aug	354,045
Sep	851
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>4,583,624</b>

**PTX06-EW-63**

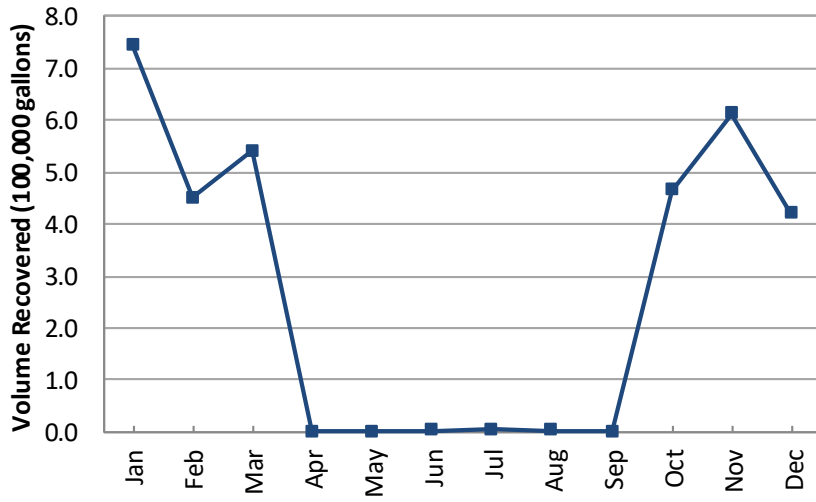
**2022 Monthly Groundwater Flow Rate**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	669,907
Feb	395,836
Mar	666,813
Apr	685,204
May	714,915
Jun	669,043
Jul	685,565
Aug	498,706
Sep	672,064
Oct	717,743
Nov	667,414
Dec	462,345
<b>Total</b>	<b>7,505,555</b>

**PTX06-EW-64**

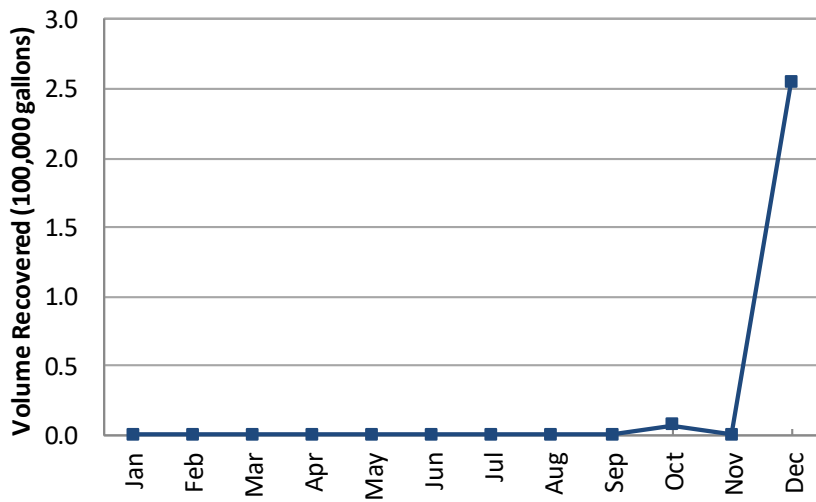
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	744,326
Feb	450,309
Mar	540,460
Apr	0
May	0
Jun	2,562
Jul	4,204
Aug	2,594
Sep	0
Oct	464,374
Nov	612,952
Dec	420,762
<b>Total</b>	<b>3,242,543</b>

**PTX06-EW-65**

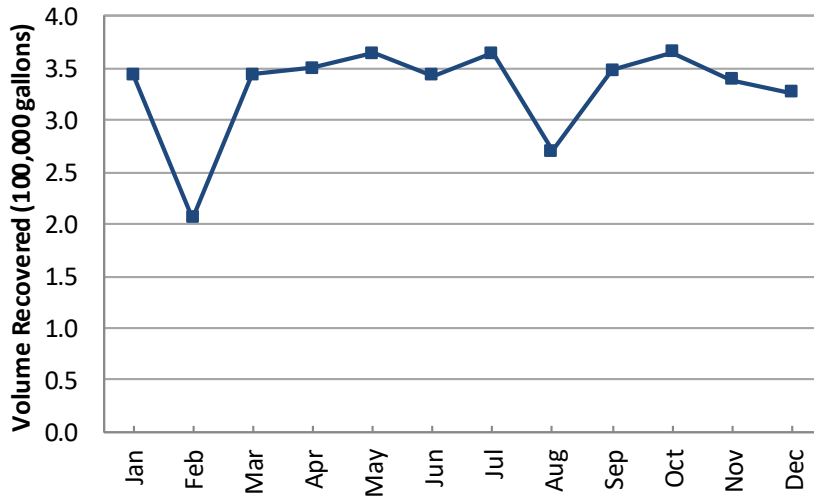
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	189
Aug	0
Sep	0
Oct	7,351
Nov	0
Dec	254,844
<b>Total</b>	<b>262,384</b>

**PTX06-EW-66**

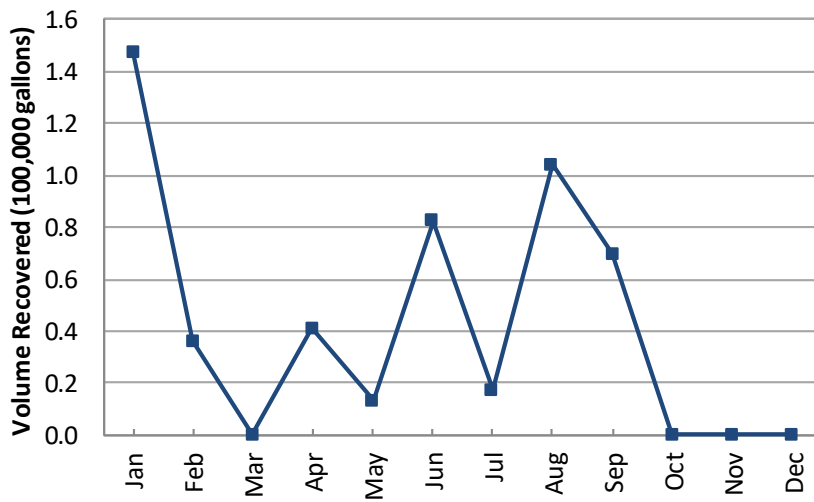
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	343,955
Feb	205,605
Mar	344,134
Apr	350,066
May	364,010
Jun	342,603
Jul	364,302
Aug	269,963
Sep	348,304
Oct	365,731
Nov	338,588
Dec	327,030
<b>Total</b>	<b>3,964,291</b>

**PTX06-EW-67**

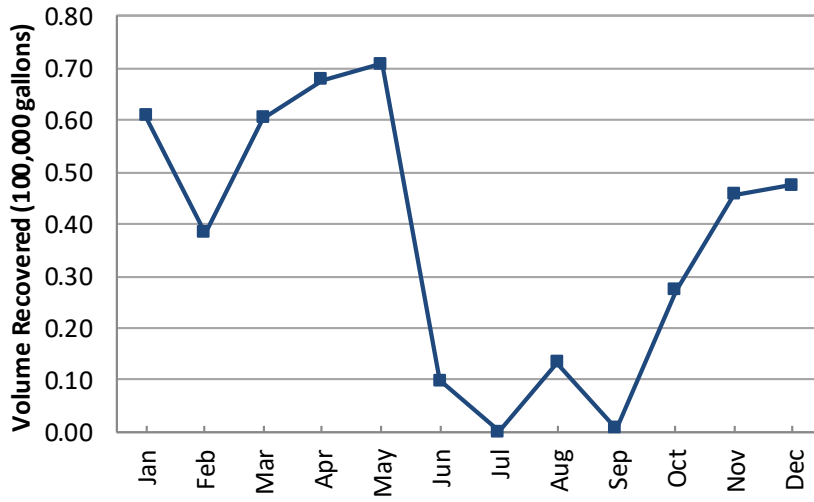
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	147,592
Feb	36,216
Mar	124
Apr	40,916
May	13,102
Jun	82,217
Jul	17,417
Aug	104,189
Sep	69,818
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>511,591</b>

**PTX06-EW-68**

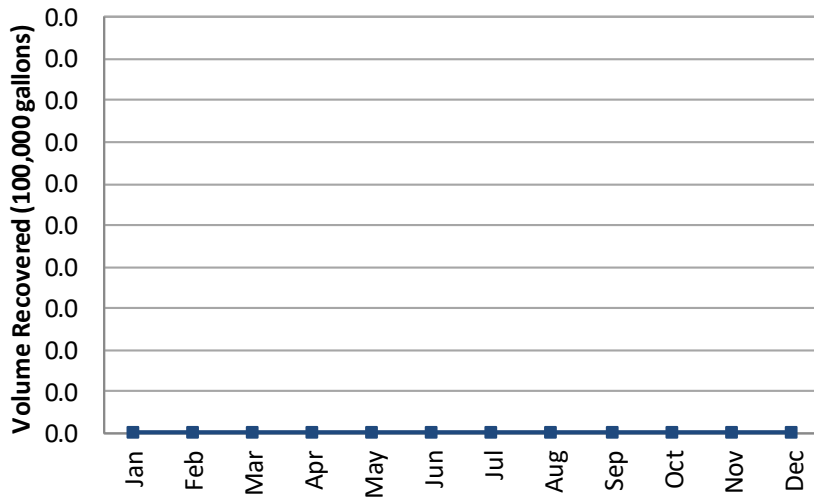
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	60,843
Feb	38,231
Mar	60,449
Apr	67,801
May	70,839
Jun	9,907
Jul	0
Aug	13,423
Sep	591
Oct	27,223
Nov	45,765
Dec	47,559
<b>Total</b>	<b>442,631</b>

**PTX06-EW-83**

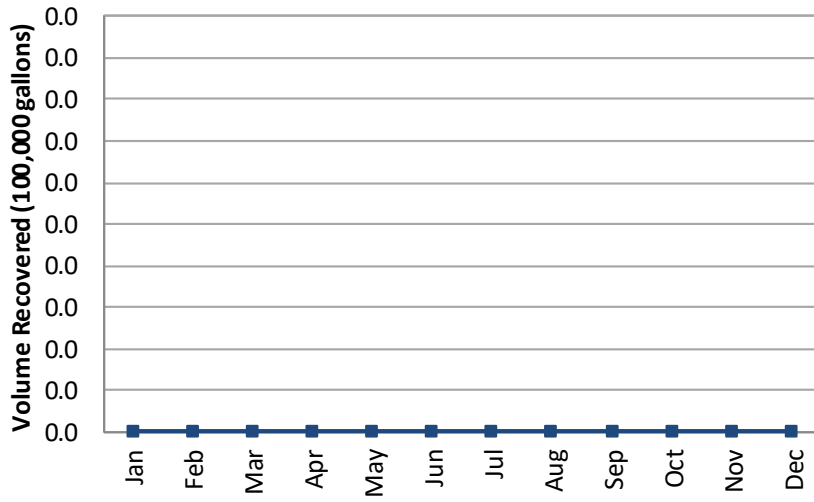
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>0</b>

**PTX06-EW-84**

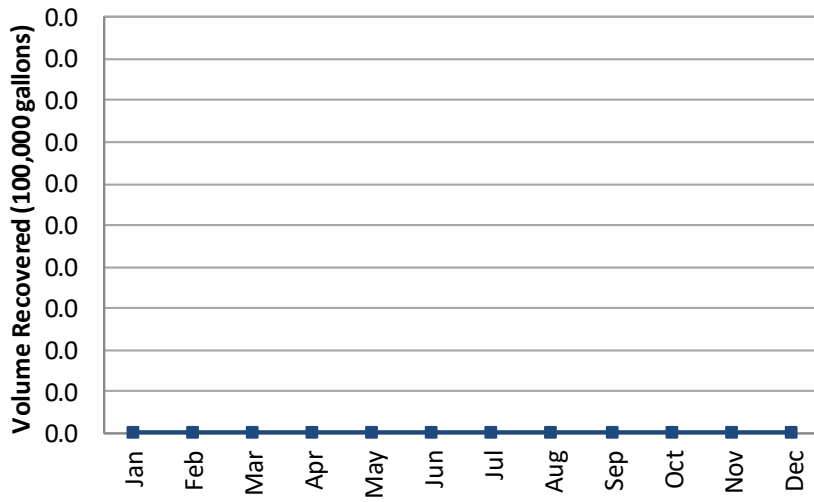
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>0</b>

**PTX06-EW-85**

**2022 Monthly Groundwater Flow Rate**

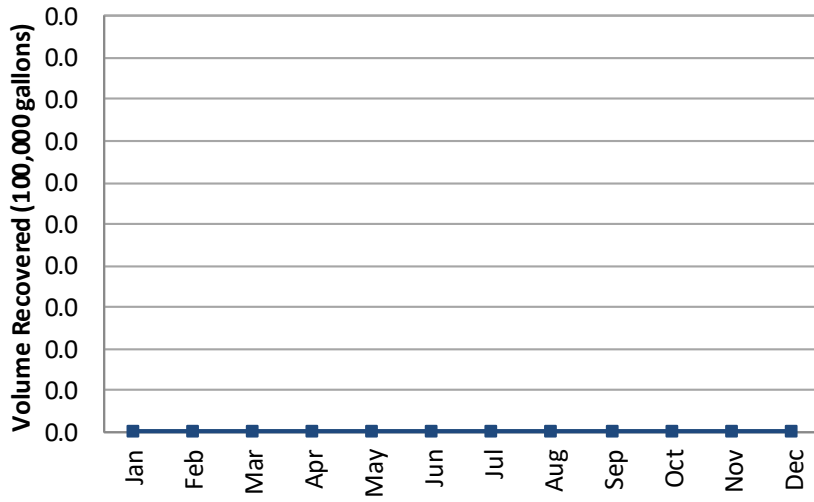


Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>0</b>



**PTX06-EW-86**

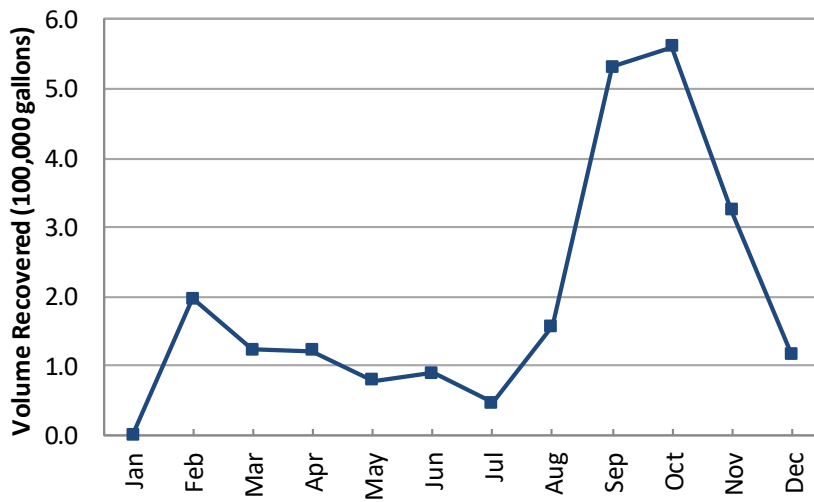
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>0</b>

**PTX06-EW-87**

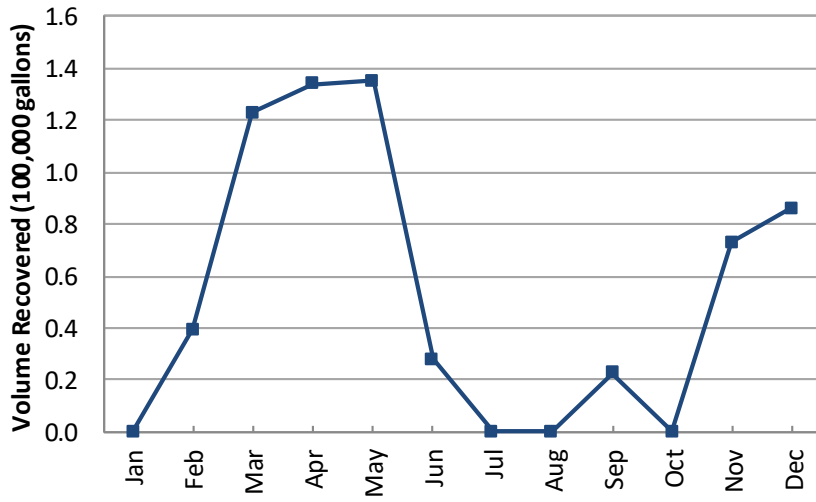
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	197,056
Mar	122,928
Apr	122,148
May	78,532
Jun	89,069
Jul	45,631
Aug	156,191
Sep	531,022
Oct	561,039
Nov	324,182
Dec	117,463
<b>Total</b>	<b>2,345,261</b>

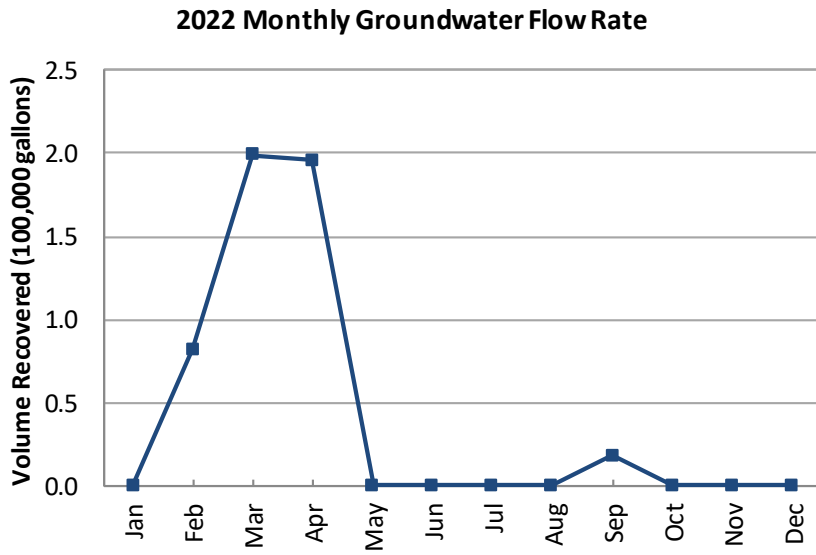
**PTX06-EW-88**

**2022 Monthly Groundwater Flow Rate**



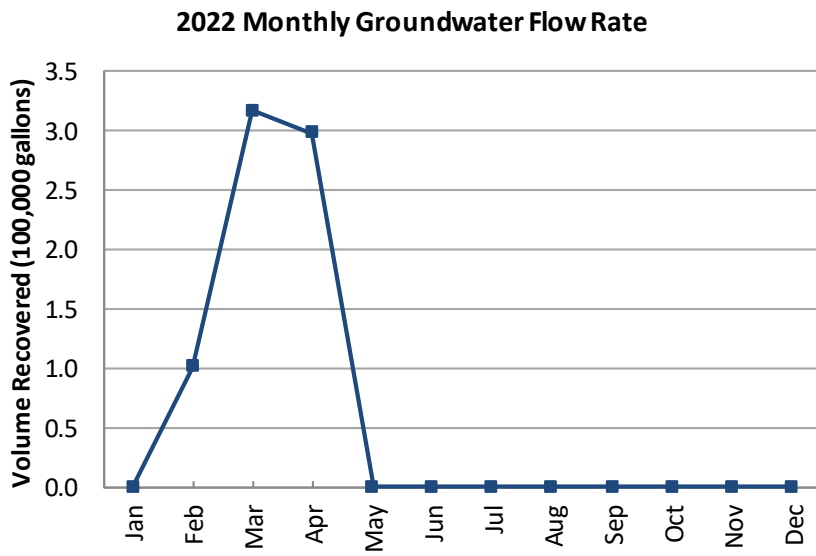
<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	0
Feb	39,196
Mar	122,792
Apr	134,053
May	135,017
Jun	27,697
Jul	0
Aug	0
Sep	22,412
Oct	0
Nov	72,833
Dec	85,909
<b>Total</b>	<b>639,909</b>

**Playa 1 Pump and Treat System  
PTX06-EW-69**



Volume Recovered	
Month	(gallons)
Jan	0
Feb	81,799
Mar	198,713
Apr	196,078
May	0
Jun	0
Jul	0
Aug	0
Sep	17,970
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>494,560</b>

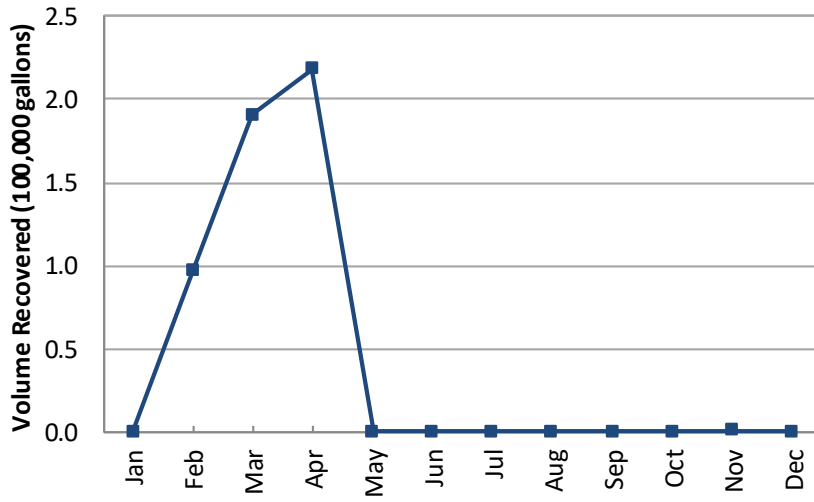
**PTX06-EW-70**



Volume Recovered	
Month	(gallons)
Jan	0
Feb	101,112
Mar	317,442
Apr	298,443
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>716,997</b>

**PTX06-EW-71**

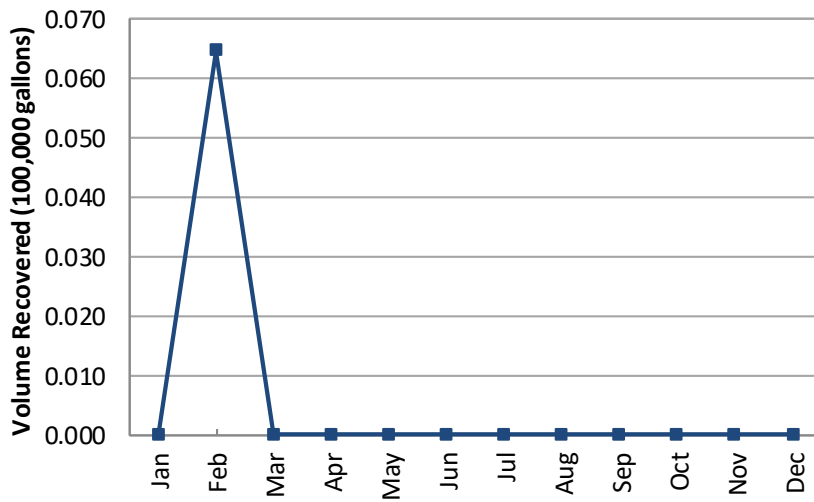
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	96,554
Mar	190,536
Apr	218,291
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	769
Dec	253
<b>Total</b>	<b>506,403</b>

**PTX06-EW-72**

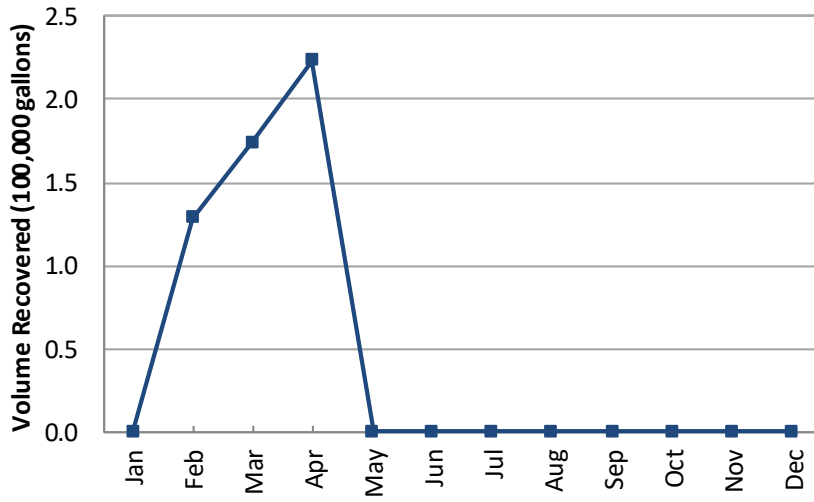
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	6,476
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>6,476</b>

**PTX06-EW-73**

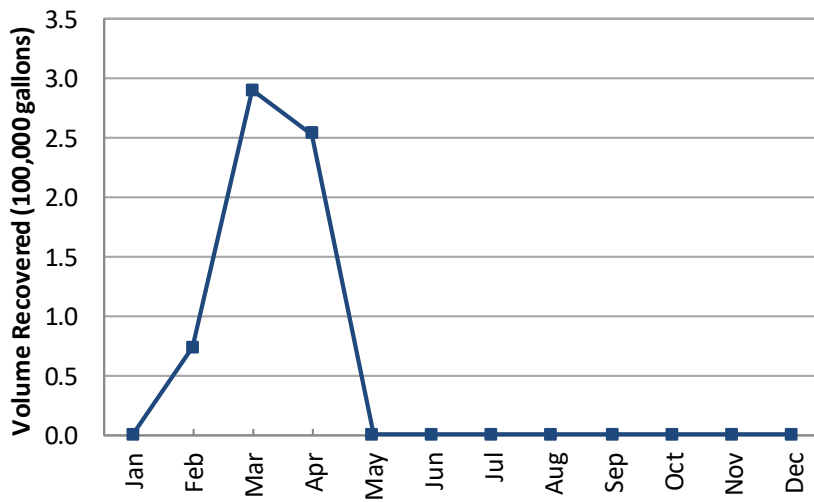
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	128,363
Mar	174,339
Apr	223,553
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>526,255</b>

**PTX06-EW-74**

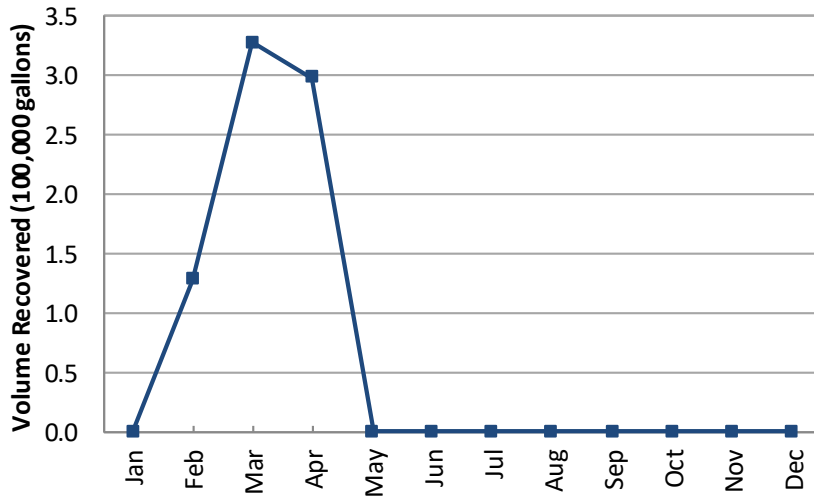
**2022 Monthly Groundwater Flow Rate**



Volume Recovered (gallons)	
Month	
Jan	0
Feb	73,882
Mar	290,391
Apr	253,351
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	106
Dec	175
<b>Total</b>	<b>617,905</b>

**PTX06-EW-75**

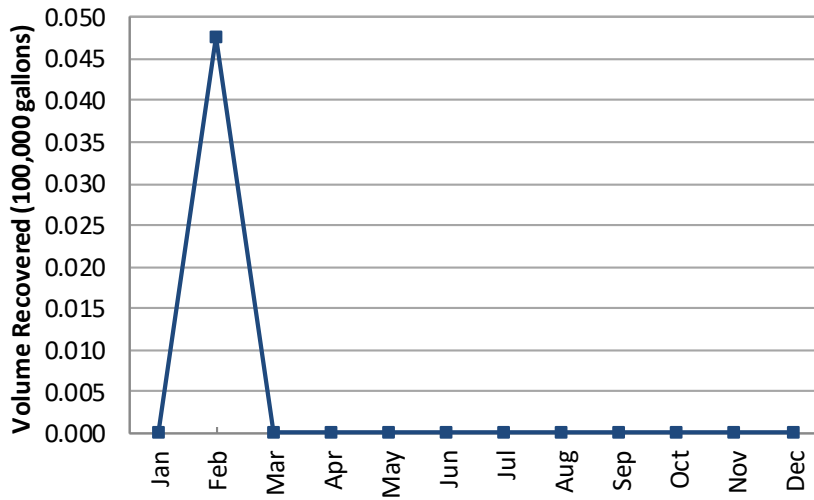
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	128,356
Mar	328,052
Apr	298,467
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>754,875</b>

**PTX06-EW-78A**

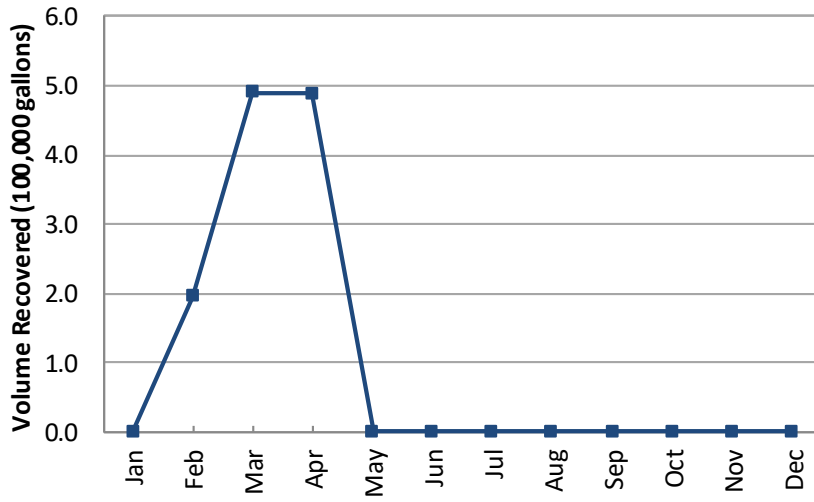
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	4,757
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>4,757</b>

**PTX06-EW-79**

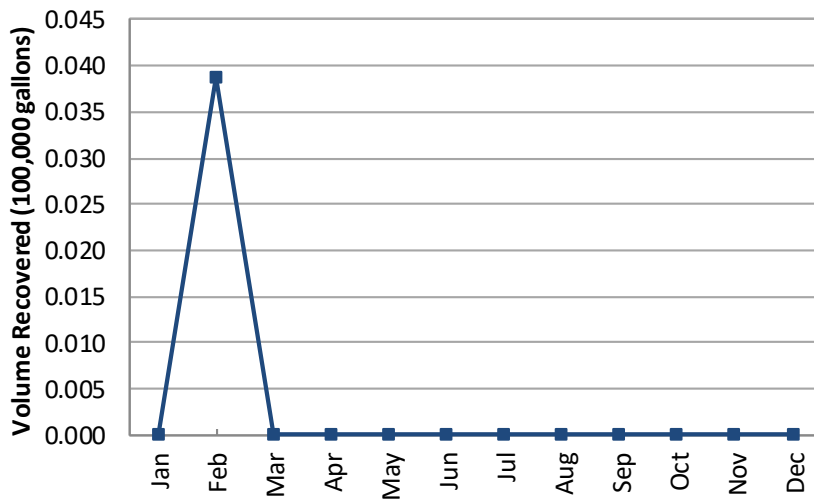
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	194,592
Mar	490,029
Apr	488,686
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>1,173,307</b>

**PTX06-EW-80**

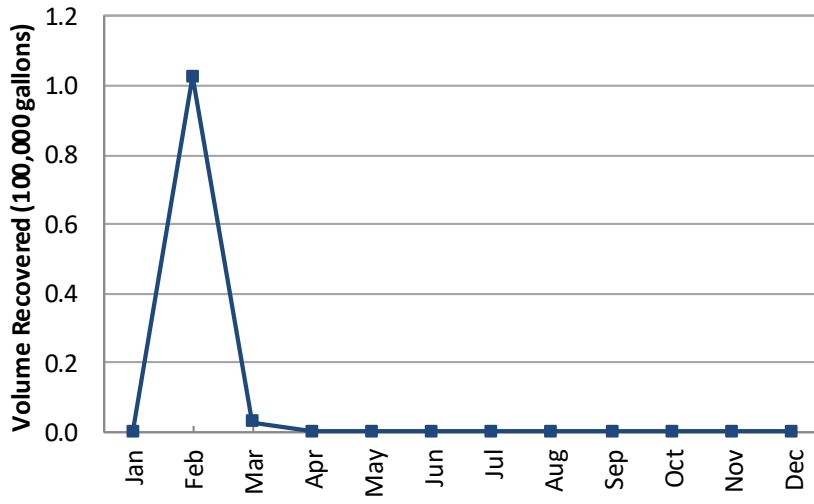
**2022 Monthly Groundwater Flow Rate**



Month	Volume Recovered (gallons)
Jan	0
Feb	3,876
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>3,876</b>

**PTX06-EW-81**

**2022 Monthly Groundwater Flow Rate**



<b>Volume Recovered</b>	
<b>Month</b>	<b>(gallons)</b>
Jan	0
Feb	102,572
Mar	2,696
Apr	0
May	69
Jun	0
Jul	153
Aug	64
Sep	0
Oct	0
Nov	0
Dec	0
<b>Total</b>	<b>105,554</b>



# Appendix C

## Well Information



Table C-1. Well Maintenance Table

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-EW-23A	12/21/2022	Re-development	273.40	301				scrub brush and bail well
PTX06-EW-30	12/20/2022	Re-development	275.20	289				scub brush and bail
PTX06-EW-30	12/19/2022	Re-development						6" surge brush well
PTX06-EW-29	12/15/2022	Misc. maintenance, And pump						Pull pump water was black 14-20 foot sticks of pipe
PTX06-EW-86	12/15/2022	Misc. maintenance, Stuck transducer						Set up pull around 5 foot of drop pipe then transducer loosen up and re-inter pipe
PTX06-EW-87	12/15/2022	Misc. maintenance, stuck transducer						Set up SEPS crew tried to pull by hand and transducer loosen up mast down
PTX06-EW-56	12/15/2022	Other-explained below, pump replacement						pull pump for pump replacement
PTX06-EW-62	12/14/2022	Extraction well service						pulled pump drop pipe was all PVC 14-20' and 1-11'
PTX06-EW-23A	12/14/2022	Extraction well service	273.70	302				pull pump all PVC 14-20' and 1-5'.6"
PTX06-EW-30	12/14/2022	Extraction well service						pulled pump drop pipe was all PVC 14-20' and 1-1'.3"
PTX06-EW-1	12/9/2022	Extraction well service						pulled pump it had PVC drop pipe 14-20' and 1-3'-.5"
PTX06-EW-3	12/9/2022	Extraction well service						pulled pump it was PVC drop pipe 13-20' and 1-16' , 1-2'.5"

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1146	12/8/2022	Well video	279.40	294		15.5		Set up camera 4' PVC riser and SS screen. there was a layer of Film on top of water dirty the lens had to pull out to clean camera re-enter screen looks good no build up just iron staining very little silt in sump  re-install bundle run for 10 min
PTX06-REC433	12/7/2022	Well video						Well video of the screen section to assess well rehab results. The water is clean and screen clean with no evidence of foreign objects in the well. The sump has < 6" of sand in bottom.
PTX06-1146	12/6/2022	Well video, Re-development	279.40	294		15.5		12/06/2022 Pull bundle. Run camera 4' casing PVC riser and SS screen staining and Calcium/Iron Build up little silt in sump then surge and brush.  12/07/2022 Surge/brush and bail 120 Gal
PTX06-MEW405	12/1/2022	Re-development	280.50	292				6" casing surge and brush  12-5-2022 surge/brush and bail pull 220 gal and unload at P&T
PTX06-1088	11/29/2022	Bennett pump service	278.50			21.0		4" well try pump the reverse flow still not working pull bundle replace pump with 1806B-1029 re-enter still not working.  11-30-2022 try pump again not pumping pull bundle re-placed bottom fitting on drop tube re-enter pump working pumped for 10 min
PTX06-1137A	11/29/2022	Misc. maintenance	480.00	578				Re-install tubing bundle and test run pump for 10 min
PTX06-1137A	11/28/2022	Well video	480.00	578				6"Casing SS riser and screen about 15 foot of blank between screens. There was film on top of water stuck to camera lens pull out camera clean and re-enter. Little staining on bottom portion of screen little silt in sump

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-MEW403	11/11/2022	Re-development	280.80	295				6" well surge brush and bail well  On 11-15-2022 surge brush and bail well  On 11-16-2022 surge brush and bail well
PTX06-MEW404	11/10/2022	Well video	280.60	292				Well video of screened section only. Well has 6" stainless steel screen. The water was clear and screen very clean. Light sand in the sump.
PTX06-MEW403	11/10/2022	Well video	280.80	295				Well video of screened section only. Well has 6" stainless steel screen. The water was cloudy. Observed moderate to heavy sediment and iron bacteria throughout the screen. Some sand in sump
PTX06-MEW401	11/10/2022	Well video	280.70	395				Well video of screened section only. Well has 6" stainless steel screen. The water was very cloudy, limiting visibility somewhat. The screen is clean with no sediment buildup observed. Unable to view sump.
PTX06-MEW405	11/10/2022	Well video	280.50	292				Well video of screened section only. Well has 6" stainless steel screen. The screen has moderate sediment and iron bacteria buildup. The sump is ok.
PTX06-MEW402	11/9/2022	Re-development	278.50	294				6" well surge brush and bail well did get a lot of sand out and scaling
PTX06-1137A	11/7/2022	Bennett pump service, Re-development	479.10	578				On 11-07-2022 pulled Bennett pump then surged brush and bail well  On 11-08-2022 surged brushed and bail well

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1148	11/3/2022	Well video, Re-development	254.50	274		6.0		11-01-22 surge/brush and bail 11-02-22 surge/brush and bail 11-03-22 run camera 4"PVC riser and SS screen well looks good little staining and little silt in sump test pump
PTX08-1008	11/1/2022	Well video	269.00	295		14.0		Pull bundle Footage Logger not work 4" SS riser and screen little bit of rust spots above water screen and Flaky build up with little silt in sump and re-install bundle and test pump
PTX08-1001	10/31/2022	Well video	217.60	279		10.0		Pull bundle footage logger not working 4" PVC riser and screen water above screen has staining and little silt and zip tie in sump then re-install bundle and test
PTX06- ISB456	10/31/2022	Well video	280.30	290				Well acceptance 4" PVC riser and a 20 foot riser SS. water above screen and the veins look grinded and thin and black staining on screen little silt in sump
PTX06- MEW402	10/27/2022	Well video	280.75	295				Footage logger on camera was not working. 6"PVC riser and SS screen had some scaling and some build up and white build up behind the screen and little silt in sump there was no bugs or creatures in the well
PTX06-1006	10/20/2022	Re-development	269.70	295		15.0		10/20/22 surge, brush and bail well 10/21/22 surge, brush and bail well. Reinstall tubing bundle and test pump
PTX08-1006	10/19/2022	Well video	272.10	308		7.0		Pull Bundle looks good. 4" SS riser and screen dark spots on screen above water and some kind of Buildup on screen. Little silt and zip ties in sump
PTX06- ISB431	10/18/2022	Well video	282.30	290				well acceptance 4"well riser PVC with 20 foot SS riser and SS screen all looked good with light silt in sump
PTX06-1006	10/14/2022	Re-development						4" SS riser and screen surge, brush and bail. Water still dirty with settlement still working on it

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1148	10/12/2022	Well video, Bennett pump service (3) Re-development	254.80	275		6.0		Pull bundle and then well video 4"PVC riser and SS screen water looks cloudy and a lot of buildup on screen and sump is full then surged, brushed and bailed
PTX06-1201	10/6/2022	Bennett pump service	282.00	295				reinstall Bennett pump
PTX06-REC402	10/4/2022	Extraction well service						4"well helped contractor pull pump it was not pumping correct
PTX06-REC401A	10/4/2022	Extraction well service						4"well helped contractor pull pump was not pumping correct
PTX06-1137A	10/4/2022	Bennett pump service	479.10	579				6" re-install Bennett bundle
PTX06-EW-33	10/3/2022	Extraction well service						Pull pump for SEPS. Transducer was stuck
PTX06-ISB427	9/29/2022	Well video	282.00	290				4" PVC riser and 20' SS riser above screen SS screen H2/O above screen well looks good light silt in sump when we got TD on well it had a chemical smell
PTX06-ISB426	9/29/2022	Well video	282.00	292				well Acceptance 4" PVC riser with 20' SS riser above SS screen H2/O above screen well looked good water was little cloudy light silt in sump
PTX06-ISB425	9/29/2022	Well video	282.00	288				well acceptance 4" PVC riser with 20' SS riser above SS screen well looked good little silt in sump
PTX06-1072	9/28/2022	Re-development						4' SS riser and screen surge and bail well
PTX06-REC416	9/27/2022	Well video	282.30	294				Well acceptance 6' PVC riser and SS screen looks good little silt in sump and water in bottom was cloudy/murky
PTX06-MEW002	9/27/2022	Well video	278.50	294				Well acceptance 6' PVC riser and SS screen. Chip on riser joint to screen well looks good little rust spots on screen and little silt in sump
PTX06-MEW001	9/27/2022	Well video	279.40	295				Well acceptance 6' PVC riser and SS screen water above screen little silt in sump

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-MEW003	9/27/2022	Well video	281.10	296				Well acceptance 6' PVC riser and SS screen well looks good water above screen. Joint from riser to screen not screwed all the way and air bubbles in screen little silt in sump
PTX06-REC422	9/22/2022	Well video	283.20	300				Well acceptance 6' PVC riser and SS screen well looks good water above screen little silt in sump
PTX06-REC417	9/22/2022	Well video	282.90	294				Well acceptance 6'PVC riser SS screen looks good staining on walls little silt in Sump
PTX06-REC418	9/22/2022	Well video	282.90	293				Well acceptance 6' PVC riser and SS screen looks good little silt in sump
PTX06-REC419	9/22/2022	Well video	283.00	294				Well acceptance 6' PVC and SS screen well looks good spotty rust dots on screen above water little silt in sump
PTX06-REC420	9/22/2022	Well video	283.00	295				Well acceptance 6' PVC riser and SS screen looks good little silt in sump
PTX06-REC421	9/22/2022	Well video	283.20	297				Well acceptance 6' PVC riser and SS screen looks good water above screen little silt in sump
PTX06-EW-49	9/20/2022	Extraction well service, Re-development						Well rehab activities performed by Cascade Drilling. Data entered by Matt Jones  Brushed 20+ times, bailed 20 gallons.
PTX06-1072	9/15/2022	Well video	422.65	551				SS 4"riser looked good 4"SS screen looked ok had some fine silt in it all the way then where I believe the pump was it had some build up then went down to where I believe the diverter was it had large amounts of build up the bottom of the well was full of silt in to the screen we was able to get a true reading on the TD without the pump and diverter in it



Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-EW-40	9/14/2022	Extraction well service, Re-development						Well rehab activities conducted by Cascade Drilling. Data entered by Matt Jones.  Brushed 45 times, bailed 20 gallons. Could not get water level or total depth due to tape sticking to casing. Estimate of 17-ft water in well.
PTX06-1072	9/14/2022	Misc. maintenance	422.65	551				got a fishing tool ran it down the hole got it hooked pulled the pump and diverter out it
PTX06-EW-45	9/14/2022	Extraction well service, Re-development	274.40					Well rehab activities performed by Cascade Drilling. Data entered by Matt Jones.  Brushed 45 times, bailed 20 gallons. Could not get total depth due to tape sticking on casing. Estimated 7.5 feet of water in well.
PTX06-1072	9/13/2022	Misc. maintenance	422.65	551				ran some 1" drop pipe in to well pumped water under the pump and above the pump then tried to pull pump got the hoses and cable out the pump and diverter stayed down hole something has it locked down
PTX06-1072	9/12/2022	Misc. maintenance	422.65	551				got pipe and pump ready set some 1" drop pipe to pump water
PTX06-MINJ401	9/9/2022	Well video	283.60	292				well acceptance "6 PVC riser and SS screen well looks good little silt in sump
PTX06-1056	9/2/2022	Bennett pump service	401.70	473				pulled high flow pump and put bennet pump back in for sampling
PTX06-ISB428	9/1/2022	Well video	282.00	291				well acceptance video ALL SS looked good light stains on screen on the bottom side light silt
PTX06-ISB429	9/1/2022	Well video	282.80	291				4" well acceptance video all SS looked good light silt in sump
PTX06-ISB432	9/1/2022	Well video	282.80	291				4"PVC riser with a 20' SS riser on top of the SS screen all looked good

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06- ISB430	9/1/2022	Well video	282.50	291				4" well all SS looked good light silt on sump
PTX06- ISB453	8/31/2022	Well video	280.90	291				well acceptance video 4" PVC with 20' SS riser and SS screen veins on screen are grinded down also the welds are very thin on the top of the screen light silt on sump
PTX06- ISB454	8/31/2022	Well video	280.00	290				well acceptance video 4" well PVC riser with 20' SS riser screen is SS water was above the screen light silt on bottom
PTX06- ISB456	8/31/2022	Well video	280.65	290				well acceptance video 4"well PVC riser with a 20' SS riser and SS screen well looked good water was above screen the screen was grinded on the top part on the veins so the welds are very thin now sump was clean
PTX06- ISB455	8/31/2022	Well video	280.25	289				well acceptance video -- 4" well PVC riser and a 20"SS riser above SS screen H2/O was above the screen looked good but the inner part of the screen on the veins was grinded down and with light silt in sump
PTX06-EW- 33	8/25/2022	Extraction well service, Re-development	276.60	287				Well rehab activities performed by Cascade Drilling. Data entered by Matt Jones.  Brushed 45 times, bailed 30 gallons. Noticed blackish scale in sediment.
PTX06-EW- 53	8/25/2022	Extraction well service, Re-development	275.00	280				Well rehab activities performed by Cascade Drilling. Data entered by Matt Jones  Brushed 45 times, bailed 15 gallons.
PTX06-EW- 64	8/25/2022	Extraction well service, Re-development	274.80	295				Well Rehab activities performed by Cascade Drilling. Data entered by Matt Jones.  Brushed 45 times, bailed 15 gallons

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-EW-65	8/25/2022	Extraction well service, Re-development	272.75	294				Rehab activities performed by Cascade Drilling. Data entered by Matt Jones.  Brushed 45 times, 15 gallons bailed
PTX06-REC433	8/17/2022	Well video	281.80	287				6" well riser PVC screen 6" SS looked good had some silt on bottom of well and one dead mouse in the bottom also
PTX06-1219	8/17/2022	Well video	282.00	287				4" PVC riser and screen well looked good light silt on bottom
PTX06-1216	8/17/2022	Well video	281.00	284				4"PVC riser and screen had some stain on the walls but looked good the sump was clean
PTX06-ISB437	8/17/2022	Well video	281.40	286				4"SS screen and riser all looked good light silt on end cap
PTX06-1221	8/17/2022	Well video	282.80	288				4"PVC riser and screen looked good had some stained looked like it could have some scratches or possible clackes light silt on the bottom
PTX06-1056	8/7/2022	Other-explained below	401.60					did a pump test on well from 08-07-22 / 08-10-22
PTX06-1056	8/3/2022	Other-explained below	401.60	477				assisted contractor set pump for high flow pump test set pump at 420' tested pump all good
PTX06-REC434	7/28/2022	Well video	281.60	287				Well acceptance run camera 6"PVC riser and SS screen well looks good little silt in sump
PTX06-REC435	7/28/2022	Well video	281.70	286				Well acceptance run camera 6" PVC riser and SS screen and sump not screwed all the way and water was cloudy in sump
PTX06-ISB439	7/28/2022	Well video	281.10	290				Well acceptance run camera 4" SS riser and screen. Don't see much in screen slots above water look solid screen in water looks good little silt in sump
PTX06-ISB438	7/28/2022	Well video	281.30	287				Well acceptance run camera 4" SS riser and screen. Around 284 the sump not screwed all the way to screen joint looks good little silt in bottom of sump

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-REC436	7/28/2022	Well video	281.70	286				Well acceptance run camera 6" PVC riser and SS screen the riser not screwed all the way to screen joint well looks good little silt in sump
PTX06-REC433	7/28/2022	Well video	281.80	287				Well acceptance run camera 6" PVC riser and SS screen well looks good little silt in sump
PTX06-REC443	7/27/2022	Well video	280.70	296				Well acceptance run camera 6" PVC riser and SS screen. Water 3.5 foot above screen little silt in sump
PTX06-REC447	7/27/2022	Well video	281.30	285				well acceptance video ran camera 6" PVC riser and SS screen well looked good little silt in sump
PTX06-REC444	7/27/2022	Well video	280.40	296				well acceptance video run camera 6" PVC riser and SS screen water was about 3.5 over screen well looked good very little silt in sump
PTX06-ISB440	7/27/2022	Well video	281.00	290				well acceptance video ran camera 4" SS riser and screen one foot about over screen well looked good very little silt in sump
PTX06-REC446	7/27/2022	Well video	280.80	288				Well acceptance video ran camera 6" PVC SS screen. well looked good something floating on water had to pull out to clean camera lens and re-enter little silt in sump
PTX06-REC445	7/27/2022	Well video	280.70	286				well acceptance video ran camera 6" PVC riser SS screen well looked good clean sump
PTX06-REC442	7/26/2022	Well video	280.40	295				well acceptance run camera 6" riser PVC and SS screen about one foot above screen fine silt on bottom of sump
PTX06-1215	7/26/2022	Well video	281.30	292				Well acceptance video 4" casing run camera PVC riser and screen look good little settlement in sump
PTX06-1218	7/26/2022	Well video	280.70	287				well acceptance video 4" run camera PVC riser and screen black smearing on screen and a little settlement in bottom of sump
PTX06-1206	7/22/2022	Well video inspection	279.50	286				No bundle 6" SS riser and screen. Run camera had to Stop Multiple times to clean lens do to spider webs. Well looked good some sediment and tape in sump
PTX06-1118	7/22/2022	Well video inspection	0.00	281				No bundle run camera 4" PVC riser and SS screen. Dry well screen looks good little rust. Dry scaling/rust chips in sump
PTX06-1134	7/21/2022	re-install tubing bundle	266.40	278				test pump install bundle tried did not work pull out try in bucket worked re-installed did not work pull out put new pump re-install worked pumped for 10 min

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1056	7/20/2022	pull bundle						pull tubing bundle for purge test
PTX06-1137A	7/11/2022	Well video	480.00	579				6" SS Riser and casing bottom portion of screen no damage or deformation has fine silt from formation sump is full of silt no sigh of pin in well
PTX06-1056	6/30/2022	Well video						Late Entry: A post redevelopment video was performed on this well. This video can be found at <a href="https://www.kilgore.com/epprograms/2022WellMaintenance/2022WellVideos">k/Kilgore/epprograms/2022WellMaintenance/2022WellVideos</a> .
PTX06-1137A	6/30/2022	Re-development	480.00	579				surge/brush well for about a hour and sand line pulley pin broke stop work
PTX06-1137A	6/29/2022	Re-development						pull bundle 6" SS riser and screen surge/brush and bail
PTX06-1008	6/28/2022	Well video - Post, Bennett pump service	267.60	280		18.0		Travel to well set up camera trailer no function on camera box was working try other camera still nothing load up travel to office try other camera box and it worked go back 4" well SS screen and riser. Screen looks good no build up just staining and sump has little silt in bottom. Still has large tubing then Re-install tubing bundle and test
PTX06-1008	6/24/2022	Re-development	267.60	280				4" well surge brush and bail well went dry fast and has a slow recovery
PTX06-1008	6/23/2022	Well video	267.60	280		18.0		PRE VIDEO -- 4" SS riser and screen stained on screen very little build up the sump has little silt and zip ties and tape surged and brush and bailed well
PTX06-1085	6/15/2022	Well video	250.30	302		37.0		4" PVC riser and screen no build up little coating of slime on screen found a hole around 289' footing marked on screen sump had little silt
PTX06-1010	6/15/2022	Well video	259.20	286		13.0		4" SS riser and screen build up on screen pretty bad sump had little fine silt
PTX06-1062A	6/14/2022	Well video						pull bundle replace pump old pump # 1806B-787 replace air chuck lost 6" of depth purged 15 min had exhaust air but no water check water level water was to low it was at 519 pump was to high
PTX06-1038	6/14/2022	Well video	265.60	285		13.0		" PVC riser and screen clean sump has little silt
PTX06-1040	6/13/2022	Well video	283.30	287				4" well PVC riser and screen clean little silt in sump

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1041	6/13/2022	Well video	282.50	301				4"PVC riser and screen top portion screen was black little scaling bottom of well little silt in sump
PTX06-1042	6/13/2022	Well video	279.80	284		5.0		4" PVC screen and riser very little scaling sump has little silt
PTX06-1040	6/13/2022	Well video				9.0		4"PVC riser and screen clean little silt in sump
PTX06-1131	6/10/2022	Well video, Bennett pump service	279.20	292				pull tubing bundle looks good pump had brownish red scaling on pump top then ran camera 4"PVC riser and SS screen portion of the screen clean and bottom screen had build up and slimy sump little silt
PTX06-1135	6/10/2022	Well video	273.10	275				4PVC riser and SS Screen bundle looked good ran camera down little scaling on bottom of screen the sump had little silt there is about 2' of water not sure if dropping tube is in water did not have enough time to check up on it
PTX06-1062A	6/7/2022	Bennett pump service	516.80	884				tried the pump did not work then pulled bundle tried pump on top sand came out thought that was the problem ran pump back down tried again still did not work
PTX01-1006	6/6/2022	Well video	269.80	295				4" SS riser and screen had some iron Bacteria rust stain and discolored top of screen seeing clumpy and build up and staining sump looks good and part of a grundfos pump wire cover was on the bottom of the well
PTX06-1006	6/6/2022	Well video	269.80	295				4"SS riser and screen iron bacteria rust stain top of screen seeing clumping and build up and staining sump looks good and part of grundfos pump cover for wire on bottom of well
PTX06-1180	6/6/2022	Well video, Bennett pump service	273.60	290				4" PVC riser and screen brown / black material slim on pump ran camera down the screen is coated with brown /black slime looked good
PTX06-1039A	5/31/2022	Bennett pump service						reinstall Bennett pump
PTX06-1075	5/31/2022	Well video, Bennett pump service	352.50	416				ran camera down well top of screen had scaling lower screen clean very light silt in sump and reinstall pump
PTX06-1006	5/31/2022	Re-development	269.80	295				pulled Bennett pump 4" SS casing
PTX06-1006	5/31/2022	Bennett pump service	269.80	295				pull Bennett pump out of a 4" well

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1075	5/26/2022	Re-development	352.50	416				surge brush and bail
PTX06-1129	5/26/2022	Well video	225.10	243				6" PVC riser and screen had rust stain lot of buildup on the bottom portion of screen the sump had some silt in the sump
PTX06-1129	5/26/2022	Well video	243.00	225				6" PVC riser and SS screen had rust stain lots of build up the bottom portion of screen had lots of fine sand in the screen slots the sump had some silt and on the bottom of the well is a part of the well seal
PTX06-1075	5/25/2022	Re-development	352.50	416				surge brush and bail well
PTX06-1075	5/23/2022	Re-development	352.50	416				4" well surge and brush then bail well
PTX06-1075	5/23/2022	Well video	352.50	416				ran camera down well had some build up in the screen had some silt on the bottom of the well
PTX06-1134	5/23/2022	Well video	266.10	278				4"PVC riser and SS screen riser looked good top portion of the screen looked ok the deeper we went the more rust build up would get it would move the camera light silt and sand on the bottom
PTX06-1139	5/23/2022	Well video	443.20	553				ran video on well looked good the last foot had fine silt in the screen slot
15-20	5/18/2022	Well video	518.10	721				on site O.D well is 15" steel casing and steel screen did not have good lighting only got a side view of the well had a good amount of rust not any deep pits
15-32	5/18/2022	Well video	537.70	701				looks like a smaller well was put in the larger well or a sleeve was put in it was a 13"O.D steel casing looked good and it looked like the screen was SS it had some rust build up with some silt and sand on the bottom did not have good lighting was only able to use the side view
PTX06-1134	5/17/2022	Bennett pump service	266.10	278				4" PVC needs sand outer side of casing its down 4'8" down
PTX06-1173	5/17/2022	Bennett pump service	270.50	289				put Bennett pump back in well
PTX06-1075	5/17/2022		352.50	416				pulled bundle had a lot of calcium build upon the tubing was a 4" SS

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1062A	5/16/2022	Well video	516.00	884				run camera down well 4" SS screen and riser screen slots was filled with fine silt build up
PTX06-1062A	5/12/2022	Re-development	515.60	891				brushed and bailed very thick liquid with chunks of clay it started to thin out stopped getting chunks and cleaned up
PTX06-1SB103	5/11/2022	Well video						I Video only above the water table  Requester was Matt Monroe
PTX06-1062A	5/10/2022	Re-development						brushed and bailed still pulling small chunks of clay with brush
PTX06-1062A	5/9/2022	Re-development						put new wire worked well then bailed pulled out chunks of clay really thick water when I bailed
PTX06-1062A	5/4/2022	Re-development						bailed well it was a dark brownish red clay and very thick try to thin out before brushing so it would not smear the clay and cover all the screen
PTX06-1140	5/3/2022	Bennett pump service	499.60	683				re install bundle to sample let the pump run for 10min to make sure it will work
PTX07-1P02	5/3/2022	Bennett pump service	234.60	256				re install bundle let pump for 10min
PTX06-1155	5/3/2022	Bennett pump service	269.30	286				re install bundle pump for 10min make sure it will work
PTX06-1137A	5/2/2022	Bennett pump service	479.60	578				re install bundle to sample let pump run for 10min to make sure it will work
PTX06-1137A	4/28/2022	Well video	479.60	578				6" SS riser and screen the riser looked good and the screen looked good till the bottom part had fine silt and zip ties on the bottom
PTX06-1149	4/27/2022	Well video	259.20	273				4"PVC riser and screen looked good some stain on screen light silt on end cap
PTX07-1P02	4/26/2022	Well video	234.60	256				4"riser SS screen riser looked good screen looked bad a lot of scaling
PTX06-1155	4/26/2022	Well video	269.00	286				ran camera 4"PVC 4"SS screen the H2/O was foggy screen looked good light sand and silt on end cap
PTX06-1173	4/26/2022	Well video						4"PVC riser looked good water was above screen it started to turn green knowing the chemical we use we stopped and made calls for next steps



Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1155	4/25/2022	Re-development	269.00	286				continue bailing and surging and scrubbing well
PTX06-1155	4/21/2022	Well video, Re-development	269.00	286				Pulled pump ran camera its 4"PVC riser and SS screen the riser looked good the H2/O was above the screen. The screen was very dark and stained little build up sand and silt on the bottom brushed well and bailed well there was a very large amount of zip ties had to take bailer apart to get them out of the bailer to continue
PTX06-1045	4/20/2022	Well video	278.70	283				ran camera down looked good little amount of sand and silt water was cloudy
PTX06-1057A	4/19/2022	Bennett pump service		758				sample techs were unable to pump well for sampling pulled pump had a 10' drop tube checked pump worked fine purged water out of tubing bundle and re-installed in well pumped 3 gal pumped fine after purging tubing bundle
PTX07-1P02	4/19/2022	Re-development	234.60	256				4" brush and bailed all day long
PTX07-1P02	4/18/2022	Re-development	234.60	256				scrub well all
PTX06-1155	4/14/2022	Bennett pump service	269.30	286				reinstall Bennett pump and test pump and it pumped just fine
PTX07-1P02	4/12/2022	Re-development						set up ran surge block down and bailed 5GAL got shut down for wind
PTX07-1P02	4/12/2022	Re-development	234.60	256				on site set up started to brush well then got shut down for high winds
PTX06-1123	4/7/2022	Well video	178.70	281				4"well PVC riser SS screen light sand in screen got to H2/O very dark and murky screen was lightly rusted could not see bottom stopped got to dark
PTX06-1167	4/7/2022	Well video	0.00	282				4"PVC riser and screen all looked good dry mud on side of screen and on the bottom
PTX06-1030	4/6/2022	Well video	0.00	287				no pump ran camera down 4" well 3' down the well was damaged it is SS riser and screen had some scaling but was DRY

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1140	4/6/2022	Well video	499.60	683				6" SS riser and screen small amount of buildup on the bottom part of the screen some sand and silt on the bottom of the well in to the screen sump was full
PTX06-1034	4/4/2022	Well video, Bennett pump service	283.60	295				ran camera all looked good light silt on end cap then reinstall tubing bundle
PTX06-1139	4/4/2022	Well video	443.20	553				6"well 3'PVC then the rest of the well is SS screen and riser well looked good with little silt in the sump
PTX06-1034	3/31/2022	Bennett pump service	283.60	295				pull tubing bundle to video
PTX06-1139	3/31/2022	Bennett pump service	443.20	553				pull tubing bundle 6" 3' PVC riser then went to SS riser the tubing bundle looked good
PTX06-1192	3/28/2022	Well video	280.60	296				pull bundle run camera for well inspection all looked good 4" PVC riser and screen little silt in sump then put bundle back in well
PTX06-1090	3/28/2022	Well video	0.00	277				no Bundle 4"PVC riser and screen looks good but DRY
PTX06-1082	3/16/2022	Bennett pump service	175.40	183				reinstall bundle
PTX06-1082	3/14/2022	Well video	175.40	182				run camera 4" PVC riser and screen it all looked good had light silt on the end cap
PTX06-1049	3/9/2022	Well video	274.70	313				pulled tubing and pump looked good with 4"PVC riser and screen ran camera down well sand was up into the screen
PTX06-1082	3/9/2022	Bennett pump service	175.40	183				4" MW just pulled Bennett pump
PTX06-1062A	3/8/2022	Well video	516.80	884				pull bundle it looked good got video of well 4" SS riser and screen had a lot of silt very cloudy could not go all the way to the bottom to cloudy
PTX06-1013	3/8/2022	Bennett pump service	248.60	262				re-install bundle
PTX06-1045	3/7/2022	Re-development	278.60	283				scrub and bail had to use the small bailer very small amount of water
PTX06-1056	3/7/2022	Bennett pump service	401.60	477				re-install bundle

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1013	3/7/2022	Well video	248.60	262				pulled tubing Bundle looks good with 4"SS riser and screen still has scaling very light sand in sump looked like a metal handle on the bottom
PTX07-1P02	3/7/2022	Re-development	234.60	256				Run camera down well. 4" SS casing and screen the screen has a lot of buildup and scaling
PTX06-1045	3/3/2022	Bennett pump service	278.60	283				pull Bennett pump
PTX06-1155	3/3/2022	Re-development	269.30	286				4" casing pull tubing bundle has black film on pump and drop tube
PTX06-1211	3/2/2022	Other-explained below	265.90	284	265	6.0	271.0	INSTALLED A NEW TUBING BUNDLE, PUMP AND DROP TUBE.
PTX06-1210	3/2/2022	Other-explained below	261.70	280	261	6.0	267.0	INSTALLED A NEW TUBING BUNDLE, PUMP AND DROP TUBE.
PTX06-1209	3/2/2022	Other-explained below	263.70	279	263	6.0	269.0	INSTALLED A NEW TUBING BUNDLE, PUMP AND DROP TUBE.
PTX07-1P02	3/1/2022	Re-development	234.60	256				4" SS casing surge and scrub and bail on well
PTX07-1P02	2/28/2022	Re-development	234.60	256				4' SS casing surge and scrub and bail on well
PTX06- ISB160	2/28/2022	Well video	260.90	280				Well acceptance video. This well is a new well drilled in the Zone 11 ISB field. Well has 4" stainless steel casing and screen. The casing and screen appear to be in good condition. The water had significant "bubbling" and was very cloudy and yellow in color making viewing the screen difficult. The video was terminated at top of the sump due to zero visibility. This field has been injected after these wells were drilled and has resulted in the poor condition of the water.
PTX06-1214	2/10/2022	Bennett pump service	280.90	292	280	6.0	286.0	INSTALLED NEW TUBING BUNDLE, PUMP AND DROP TUBE INOT PTX06-1214. TZM WELL IN THE SE ISB EXTENTION WELL FIELD.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1213	2/10/2022	Bennett pump service	278.10	287	278	6.0	284.0	INSTALLED NEW TUBING BUNDLE, PUMP AND DROP TUBE INOT PTX06-1213. TZM WELL IN THE SE ISB EXTENTION WELL FIELD.
PTX06-1056	2/10/2022	Well video	401.60	473				4"well SS riser and screen the screen had some scaling the bottom was full up to the screen with silt
PTX06-1056	2/8/2022	Re-development						4" well surge brush and bail light silt
PTX06-1056	2/7/2022	Re-development	401.00	477				4" well surge brush and bail well light silt
PTX06-1056	1/31/2022	Re-development	401.60	477				4" casing surge and bail well light silt
PTX06-1056	1/31/2022	Re-development						4" casing surge and brush well then bail light silty sand
PTX06-1056	1/25/2022	Bennett pump service	401.60	477				pulled tubing bundle get TD and H 2/o and get ready to bail and brush
PTX06- ISB161	1/25/2022	Well video	260.90	280				Well acceptance video. Well has 4" stainless steel casing and screen, both in good condition. The sump is clean with a light amount of sand on bottom. The water is clean turning cloudy green in color bottom ~ 2-3'.
PTX06- ISB162	1/25/2022	Well video	260.50	279				Well acceptance video. Well has 4" stainless steel casing and screen in good condition. The sump is clean. Water is clean.
PTX06- ISB163	1/25/2022	Well video	259.70	279				Well acceptance video. Well has 4" stainless steel casing and screen in good condition. The sump is clean. Observed light amount of amendment on top of water.
PTX06- 1057A	1/24/2022	Well video						Post redevelopment well video. Well has 4" stainless steel casing and screen. Casing is in good condition. Observed sandy clay in top portion of the screen. The screen is clean below top of water with heavy sand infiltration bottom portion of screen. The sump is full. The screen is clean in the area where sample intake sets.
PTX06-1046	1/21/2022	Well video	280.80	295				Travel to location. Cone off road for road block. Set video trailer and video well screen looks good. Little settlement on bottom then move then drop tubing bundle

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1057A	1/18/2022	Re-development						surge and bail light silt
PTX06-1057A	1/17/2022	Re-development						surge and bail well fine silt and empty tank
PTX06-1078	1/17/2022	Well video		262				Well video inspection per WMP schedule. This well has 4" pvc casing and screen in good condition. The sump is empty. The well is dry.
PTX06-1057A	1/13/2022	Re-development	477.70	758				4" casing re-development well surge and bail. Silty water
PTX06-1128	1/13/2022	Well video	219.80	243				Well inspection per 2022 WMP. Well has 6" pvc casing and stainless steel screen. The casing is in good condition. Observed light tan colored sandy mud appearing infiltration in the screen both above and below top of water, being heavier toward bottom of the well. The sump is mostly empty. Observed no sign of significant iron bacteria in the screen. Staining exists from iron bacteria present in the screen prior to chem rehab. A sandy grit was on the camera upon removing it from the well. Two screenshots of the infiltration and the well video are copied to the 2022 well video folder on the k drive.
PTX06-1057A	1/12/2022	Re-development	477.70	758				Well redevelopment per WMP. Conducted tailgate safety and well rig/location checks. Rigged up and began bailing on the well. Bailing light sand off bottom.
PTX06-1043	1/11/2022	Bennett pump service						Installed dedicated tubing bundle and Bennett pump in well. Pumped 5 gallons of water from the well. Pumping good.
PTX01-1013	1/10/2022	Bennett pump service						Installed dedicated tubing bundle, Bennett pump and lower diverter in well. Pumped 3 gallons of water from well. Pumping good.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Comments
PTX06-1043	1/10/2022	Well video						Performed well video to assess sample interval condition in the screened section. This well has been redeveloped and has had extensive brushing and surging in attempt to stop sand infiltration in the sample interval which is near bottom of the well. Today's video is a follow up to the previous post redevelopment video. The video is of the bottom portion of the screen only. The video starts at 550' btoc. The screen is sand packed, with the sand infiltration increasing deeper in the well. The sample intake depth is sand packed but the sand pack begins to close off the screen just below the intake depth. This well is on schedule to be sampled this month, therefore the dedicated bundle and Bennett pump will be installed for sampling purposes.
PTX06-MEW405	1/7/2022	Well video	280.70	292				Well video of top of screen and screen only. The transition from 6" pvc casing to stainless steel screen is in good condition, no deviation in the transition was observed. The screen has moderate to heavy amounts of sand infiltration throughout. The sump is clean with light amount of sand on bottom. The water was slightly cloudy.
PTX06-MEW404	1/7/2022	Well video	280.80	292				Well video of top of screen and screen only. The transition from 6" pvc casing to stainless steel screen is in good condition, no deviation in the transition was observed. The screen has light amounts of sand infiltration. The sump is clean with light amount of sand on bottom
PTX06-1057A	1/4/2022	Well video	477.70	758				first 2' is PVC and the rest of the riser and screen is SS riser looked good the screen above the water table looked coated with clay then the rest of the screen looked good there was a plastic something floating on top of the water and sand and silt on the bottom of the well in to the screen

btoc – below top of casing

<sup>1</sup>Water level and total depth measurements are required only once during a well maintenance event, although daily measurements were collected during some maintenance activities. Total well depths are only required when all equipment is removed from the well.

<sup>2</sup>Pump intake depth measurements are necessary only when the depths are reset.

Table C-2. Depth to Water, Total Depth Measurements, and Groundwater Elevations

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX01-1010	Ogallala	1/24/2022	511.60	3064.55		
PTX01-1010	Ogallala	6/20/2022	512.80	3063.35		
PTX01-1010	Ogallala	8/17/2022	516.60	3059.55		
PTX01-1010	Ogallala	12/12/2022	514.70	3061.45		
PTX01-1011	Ogallala	1/24/2022	508.80	3066.27		
PTX01-1011	Ogallala	6/20/2022	509.20	3065.87		
PTX01-1011	Ogallala	8/17/2022	511.80	3063.27		
PTX01-1011	Ogallala	12/12/2022	511.80	3063.27		
PTX01-1012	Ogallala	1/18/2022	522.90	3051.86		
PTX01-1012	Ogallala	6/20/2022	536.20	3038.56		
PTX01-1012	Ogallala	12/12/2022	526.40	3048.36		
PTX01-1013	Ogallala	1/18/2022	519.70	3064.60		
PTX01-1013	Ogallala	6/20/2022	527.80	3056.50		
PTX01-1013	Ogallala	12/12/2022	523.30	3061.00		
PTX06-1043	Ogallala	2/1/2022	452.90	3071.74		
PTX06-1043	Ogallala	6/21/2022	453.60	3071.04		
PTX06-1043	Ogallala	7/19/2022	453.30	3071.34		
PTX06-1043	Ogallala	12/12/2022	453.90	3070.74		
PTX06-1044	Ogallala	5/2/2022	503.70	3040.81		
PTX06-1044	Ogallala	6/20/2022	504.70	3039.81		
PTX06-1044	Ogallala	10/18/2022	505.50	3039.01		
PTX06-1044	Ogallala	12/12/2022	505.60	3038.91		
PTX06-1056	Ogallala	1/18/2022	401.30	3131.66		
PTX06-1056	Ogallala	6/21/2022	401.45	3131.51		
PTX06-1056	Ogallala	7/18/2022	401.30	3131.66		
PTX06-1056	Ogallala	8/7/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/7/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/7/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/7/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/7/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/7/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/7/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/8/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/8/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/8/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/8/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/8/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/9/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/9/2022	401.00	3131.96		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1056	Ogallala	8/9/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/9/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/10/2022	401.00	3131.96		
PTX06-1056	Ogallala	8/10/2022	401.00	3131.96		
PTX06-1056	Ogallala	9/19/2022	401.40	3131.56		
PTX06-1056	Ogallala	9/19/2022	401.40	3131.56		
PTX06-1056	Ogallala	12/12/2022	401.60	3131.36		
PTX06-1057A	Ogallala	4/26/2022	478.50	3088.60		
PTX06-1057A	Ogallala	6/21/2022	479.80	3087.30		
PTX06-1057A	Ogallala	12/13/2022	479.00	3088.10		
PTX06-1058	Ogallala	6/22/2022	407.10	3161.45		
PTX06-1058	Ogallala	7/19/2022	405.80	3162.75		
PTX06-1058	Ogallala	12/13/2022	405.70	3162.85		
PTX06-1059	Ogallala	6/22/2022	422.90	3125.13		
PTX06-1059	Ogallala	7/19/2022	423.10	3124.93		
PTX06-1059	Ogallala	12/13/2022	423.20	3124.83		
PTX06-1060	Ogallala	4/18/2022	358.20	3214.56		
PTX06-1060	Ogallala	6/20/2022	358.00	3214.76		
PTX06-1060	Ogallala	12/12/2022	357.40	3215.36		
PTX06-1061	Ogallala	4/18/2022	519.10	3072.84		
PTX06-1061	Ogallala	6/20/2022	522.00	3069.94		
PTX06-1061	Ogallala	12/12/2022	520.00	3071.94		
PTX06-1062A	Ogallala	1/4/2022	516.30	3057.66		
PTX06-1062A	Ogallala	1/24/2022	515.90	3058.06		
PTX06-1062A	Ogallala	6/20/2022	516.40	3057.56		
PTX06-1062A	Ogallala	12/13/2022	518.60	3055.36		
PTX06-1064	Ogallala	6/20/2022	525.30	3039.33		
PTX06-1064	Ogallala	11/2/2022	525.70	3038.93		
PTX06-1064	Ogallala	12/12/2022	525.30	3039.33		
PTX06-1068	Ogallala	4/26/2022	534.30	3004.41		
PTX06-1068	Ogallala	6/20/2022	535.70	3003.01		
PTX06-1068	Ogallala	10/18/2022	537.60	3001.11		
PTX06-1068	Ogallala	12/12/2022	537.10	3001.61		
PTX06-1072	Ogallala	1/19/2022	422.20	3129.60		
PTX06-1072	Ogallala	6/20/2022	422.40	3129.40		
PTX06-1072	Ogallala	7/18/2022	422.40	3129.40		
PTX06-1072	Ogallala	12/12/2022	422.30	3129.50		
PTX06-1075	Ogallala	6/21/2022	352.30	3196.16		
PTX06-1075	Ogallala	7/18/2022	351.90	3196.56		



Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1075	Ogallala	12/13/2022	351.50	3196.96		
PTX06-1076	Ogallala	5/2/2022	346.40	3183.96		
PTX06-1076	Ogallala	6/21/2022	347.00	3183.36		
PTX06-1076	Ogallala	11/2/2022	346.60	3183.76		
PTX06-1076	Ogallala	12/12/2022	346.30	3184.06		
PTX06-1137A	Ogallala	5/18/2022	479.10	3050.51		
PTX06-1137A	Ogallala	6/20/2022	479.50	3050.11		
PTX06-1137A	Ogallala	10/19/2022	480.30	3049.31		
PTX06-1137A	Ogallala	12/12/2022	480.00	3049.61		
PTX06-1138	Ogallala	5/2/2022	472.40	3064.30		
PTX06-1138	Ogallala	6/21/2022	473.10	3063.60		
PTX06-1138	Ogallala	10/19/2022	473.50	3063.20		
PTX06-1138	Ogallala	12/12/2022	473.30	3063.40		
PTX06-1139	Ogallala	1/19/2022	443.30	3088.43		
PTX06-1139	Ogallala	6/20/2022	443.30	3088.43		
PTX06-1139	Ogallala	8/10/2022	443.90	3087.83		
PTX06-1139	Ogallala	12/12/2022	443.30	3088.43		
PTX06-1140	Ogallala	5/18/2022	500.10	3029.29		
PTX06-1140	Ogallala	6/21/2022	500.50	3028.89		
PTX06-1140	Ogallala	10/19/2022	501.30	3028.09		
PTX06-1140	Ogallala	12/12/2022	501.10	3028.29		
PTX06-1141	Ogallala	2/1/2022	487.10	3075.63		
PTX06-1141	Ogallala	6/22/2022	487.90	3074.83		
PTX06-1141	Ogallala	12/13/2022	488.50	3074.23		
PTX06-1143	Ogallala	4/18/2022	504.00	3043.94		
PTX06-1143	Ogallala	6/20/2022	504.60	3043.34		
PTX06-1143	Ogallala	11/8/2022	505.10	3042.84		
PTX06-1143	Ogallala	12/12/2022	504.50	3043.44		
PTX06-1144	Ogallala	4/26/2022	502.50	3026.08		
PTX06-1144	Ogallala	6/20/2022	503.30	3025.28		
PTX06-1144	Ogallala	11/8/2022	504.00	3024.58		
PTX06-1144	Ogallala	12/12/2022	503.80	3024.78		
PTX06-1157	Ogallala	1/19/2022	398.90	3127.05		
PTX06-1157	Ogallala	6/20/2022	399.00	3126.95		
PTX06-1157	Ogallala	8/10/2022	399.20	3126.75		
PTX06-1157	Ogallala	10/18/2022	399.20	3126.75		
PTX06-1157	Ogallala	10/18/2022	399.20	3126.75		
PTX06-1157	Ogallala	12/12/2022	398.80	3127.15		
PTX07-1R01	Ogallala	6/20/2022	463.20	3108.67		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX07-1R01	Ogallala	8/17/2022	462.90	3108.97		
PTX07-1R01	Ogallala	12/13/2022	462.70	3109.17		
1114-MW4	Perched	6/20/2022	274.50	3276.23		
1114-MW4	Perched	8/3/2022	274.40	3276.33		
1114-MW4	Perched	12/12/2022	274.00	3276.73		
OW-WR-38	Perched	5/3/2022	213.70	3308.24		
OW-WR-38	Perched	6/21/2022	215.90	3306.04		
OW-WR-38	Perched	12/12/2022	216.30	3305.64		
OW-WR-45	Perched	6/20/2022	261.60	3285.50		
OW-WR-45	Perched	12/12/2022	261.00	3286.10		
PTX01-1001	Perched	6/21/2022	284.20	3284.96		
PTX01-1001	Perched	11/7/2022	284.10	3285.06		
PTX01-1001	Perched	12/13/2022	283.90	3285.26		
PTX01-1004	Perched	6/20/2022	DRY			
PTX01-1004	Perched	12/12/2022	DRY			
PTX01-1006	Perched	6/20/2022	DRY			
PTX01-1006	Perched	12/12/2022	DRY			
PTX01-1007	Perched	6/20/2022	DRY			
PTX01-1007	Perched	12/13/2022	DRY			
PTX01-1008	Perched	6/20/2022	272.80	3297.98		
PTX01-1008	Perched	11/7/2022	273.60	3297.18		
PTX01-1008	Perched	12/12/2022	273.40	3297.38		
PTX01-1009	Perched	6/21/2022	286.70	3282.61		
PTX01-1009	Perched	12/13/2022	285.80	3283.51		
PTX01-1014A	Perched	6/20/2022	DRY			
PTX01-1014A	Perched	12/13/2022	DRY			
PTX04-1002	Perched	6/20/2022	223.70	3307.55		
PTX04-1002	Perched	12/12/2022	223.50	3307.75		
PTX06-1002A	Perched	2/21/2022	258.20	3283.18		
PTX06-1002A	Perched	6/21/2022	258.10	3283.28		
PTX06-1002A	Perched	12/13/2022	257.70	3283.68		
PTX06-1003	Perched	6/21/2022	264.30	3275.52		
PTX06-1003	Perched	12/13/2022	264.30	3275.52		
PTX06-1005	Perched	2/21/2022	280.80	3257.11		
PTX06-1005	Perched	6/21/2022	281.20	3256.71		
PTX06-1005	Perched	8/2/2022	281.20	3256.71		
PTX06-1005	Perched	12/13/2022	281.30	3256.61		
PTX06-1006	Perched	6/20/2022	269.80	3275.12		
PTX06-1006	Perched	11/28/2022	269.60	3275.32		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1006	Perched	12/13/2022	269.60	3275.32		
PTX06-1007	Perched	6/20/2022	269.70	3277.00		
PTX06-1007	Perched	11/21/2022	269.40	3277.30		
PTX06-1007	Perched	12/12/2022	269.10	3277.60		
PTX06-1008	Perched	5/10/2022	268.00	3281.18		
PTX06-1008	Perched	6/20/2022	267.80	3281.38		
PTX06-1008	Perched	12/12/2022	267.30	3281.88		
PTX06-1009	Perched	6/20/2022	266.00	3280.61		
PTX06-1009	Perched	12/13/2022	266.10	3280.51		
PTX06-1010	Perched	5/16/2022	259.60	3286.56		
PTX06-1010	Perched	6/20/2022	259.10	3287.06		
PTX06-1010	Perched	12/13/2022	259.40	3286.76		
PTX06-1011	Perched	5/16/2022	276.50	3268.87		
PTX06-1011	Perched	6/20/2022	276.40	3268.97		
PTX06-1011	Perched	12/13/2022	276.30	3269.07		
PTX06-1012	Perched	4/19/2022	269.15	3271.71		
PTX06-1012	Perched	6/21/2022	269.16	3271.70		
PTX06-1012	Perched	11/7/2022	269.11	3271.75		
PTX06-1012	Perched	12/13/2022	268.98	3271.88		
PTX06-1013	Perched	2/15/2022	248.70	3295.54		
PTX06-1013	Perched	6/20/2022	248.70	3295.54		
PTX06-1013	Perched	12/12/2022	248.40	3295.84		
PTX06-1014	Perched	6/21/2022	279.00	3254.14		
PTX06-1014	Perched	7/20/2022	279.00	3254.14		
PTX06-1014	Perched	12/13/2022	279.20	3253.94		
PTX06-1015	Perched	2/16/2022	288.10	3242.00		
PTX06-1015	Perched	6/21/2022	287.95	3242.15		
PTX06-1015	Perched	12/12/2022	DRY			
PTX06-1017	Perched	6/21/2022	280.10	3253.56		
PTX06-1017	Perched	12/13/2022	280.40	3253.26		
PTX06-1023	Perched	2/15/2022	246.60	3297.83		
PTX06-1023	Perched	6/20/2022	246.50	3297.93		
PTX06-1023	Perched	12/12/2022	246.30	3298.13		
PTX06-1030	Perched	6/20/2022	DRY			
PTX06-1030	Perched	12/12/2022	DRY			
PTX06-1031	Perched	5/4/2022	285.50	3243.91		
PTX06-1031	Perched	6/20/2022	285.60	3243.81		
PTX06-1031	Perched	11/1/2022	285.80	3243.61		
PTX06-1031	Perched	12/12/2022	285.80	3243.61		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1034	Perched	1/31/2022	283.70	3241.22		
PTX06-1034	Perched	6/20/2022	284.00	3240.92		
PTX06-1034	Perched	8/9/2022	284.00	3240.92		
PTX06-1034	Perched	12/12/2022	284.00	3240.92		
PTX06-1035	Perched	2/14/2022	270.10	3271.59		
PTX06-1035	Perched	4/25/2022	270.40	3271.29		
PTX06-1035	Perched	6/21/2022	270.20	3271.49		
PTX06-1035	Perched	8/2/2022	269.90	3271.79		
PTX06-1035	Perched	12/13/2022	269.90	3271.79		
PTX06-1036	Perched	6/21/2022	284.60	3250.01		
PTX06-1036	Perched	12/12/2022	284.40	3250.21		
PTX06-1037	Perched	2/1/2022	279.88	3248.47		
PTX06-1037	Perched	6/20/2022	279.36	3248.99		
PTX06-1037	Perched	11/2/2022	279.61	3248.74		
PTX06-1037	Perched	12/12/2022	279.61	3248.74		
PTX06-1038	Perched	4/20/2022	265.70	3276.59		
PTX06-1038	Perched	6/21/2022	264.70	3277.59		
PTX06-1038	Perched	12/13/2022	265.60	3276.69		
PTX06-1039A	Perched	6/21/2022	274.20	3266.51		
PTX06-1039A	Perched	11/14/2022	274.30	3266.41		
PTX06-1039A	Perched	12/13/2022	274.20	3266.51		
PTX06-1040	Perched	5/11/2022	283.80	3255.86		
PTX06-1040	Perched	6/21/2022	283.60	3256.06		
PTX06-1040	Perched	11/14/2022	283.70	3255.96		
PTX06-1040	Perched	12/13/2022	283.70	3255.96		
PTX06-1041	Perched	4/20/2022	282.80	3255.96		
PTX06-1041	Perched	6/21/2022	282.70	3256.06		
PTX06-1041	Perched	11/14/2022	282.80	3255.96		
PTX06-1041	Perched	12/13/2022	282.70	3256.06		
PTX06-1042	Perched	4/20/2022	279.80	3255.57		
PTX06-1042	Perched	6/21/2022	280.00	3255.37		
PTX06-1042	Perched	11/7/2022	280.30	3255.07		
PTX06-1042	Perched	12/13/2022	280.40	3254.97		
PTX06-1045	Perched	2/1/2022	278.70	3249.50		
PTX06-1045	Perched	6/21/2022	279.10	3249.10		
PTX06-1045	Perched	12/13/2022	279.40	3248.80		
PTX06-1046	Perched	5/10/2022	281.00	3246.79		
PTX06-1046	Perched	6/21/2022	280.90	3246.89		
PTX06-1046	Perched	10/31/2022	280.90	3246.89		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1046	Perched	12/13/2022	280.90	3246.89		
PTX06-1047A	Perched	5/9/2022	279.00	3247.47		
PTX06-1047A	Perched	6/21/2022	279.00	3247.47		
PTX06-1047A	Perched	10/31/2022	279.20	3247.27		
PTX06-1047A	Perched	12/13/2022	279.10	3247.37		
PTX06-1048A	Perched	4/25/2022	236.20	3304.34		
PTX06-1048A	Perched	6/20/2022	236.00	3304.54		
PTX06-1048A	Perched	12/12/2022	235.80	3304.74		
PTX06-1049	Perched	6/22/2022	274.90	3281.68		
PTX06-1049	Perched	7/25/2022	275.20	3281.38		
PTX06-1049	Perched	12/13/2022	274.70	3281.88		
PTX06-1050	Perched	2/15/2022	256.00	3298.38		
PTX06-1050	Perched	6/20/2022	256.20	3298.18		
PTX06-1050	Perched	12/13/2022	255.70	3298.68		
PTX06-1051	Perched	6/21/2022	292.86	3239.43		
PTX06-1051	Perched	12/12/2022	292.90	3239.39		
PTX06-1052	Perched	2/16/2022	278.00	3259.00		
PTX06-1052	Perched	4/20/2022	277.80	3259.20		
PTX06-1052	Perched	6/7/2022	277.90	3259.10		
PTX06-1052	Perched	6/21/2022	277.76	3259.24		
PTX06-1052	Perched	8/9/2022	277.80	3259.20		
PTX06-1052	Perched	11/29/2022	277.80	3259.20		
PTX06-1052	Perched	12/12/2022	277.70	3259.30		
PTX06-1053	Perched	2/16/2022	250.40	3269.44		
PTX06-1053	Perched	6/21/2022	250.35	3269.49		
PTX06-1053	Perched	12/12/2022	250.20	3269.64		
PTX06-1069	Perched	6/21/2022	253.80	3279.21		
PTX06-1069	Perched	7/20/2022	253.50	3279.51		
PTX06-1069	Perched	12/12/2022	253.60	3279.41		
PTX06-1071	Perched	6/20/2022	223.10	3308.05		
PTX06-1071	Perched	12/12/2022	222.80	3308.35		
PTX06-1073A	Perched	6/20/2022	DRY			
PTX06-1073A	Perched	12/12/2022	DRY			
PTX06-1077A	Perched	6/20/2022	269.70	3279.75		
PTX06-1077A	Perched	7/25/2022	269.70	3279.75		
PTX06-1077A	Perched	12/12/2022	269.40	3280.05		
PTX06-1078	Perched	6/20/2022	DRY			
PTX06-1078	Perched	12/12/2022	DRY			
PTX06-1079	Perched	6/20/2022	271.90	3271.08		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1079	Perched	12/12/2022	271.40	3271.58		
PTX06-1080	Perched	6/20/2022	272.00	3264.24		
PTX06-1080	Perched	12/12/2022	271.50	3264.74		
PTX06-1081	Perched	6/20/2022	226.70	3306.75		
PTX06-1081	Perched	12/12/2022	226.60	3306.85		
PTX06-1082	Perched	6/21/2022	175.50	3293.41		
PTX06-1082	Perched	12/12/2022	175.60	3293.31		
PTX06-1083	Perched	6/21/2022	179.30	3288.89		
PTX06-1083	Perched	12/12/2022	179.00	3289.19		
PTX06-1084	Perched	6/21/2022	205.40	3274.27		
PTX06-1084	Perched	12/12/2022	206.00	3273.67		
PTX06-1085	Perched	6/22/2022	258.40	3275.40		
PTX06-1085	Perched	12/13/2022	259.10	3274.70		
PTX06-1086	Perched	6/22/2022	250.60	3275.36		
PTX06-1086	Perched	12/13/2022	250.20	3275.76		
PTX06-1087	Perched	6/22/2022	254.30	3279.76		
PTX06-1087	Perched	12/13/2022	254.80	3279.26		
PTX06-1088	Perched	5/16/2022	277.80	3266.11		
PTX06-1088	Perched	6/20/2022	277.80	3266.11		
PTX06-1088	Perched	12/13/2022	278.00	3265.91		
PTX06-1089	Perched	6/21/2022	272.30	3263.16		
PTX06-1089	Perched	12/12/2022	272.30	3263.16		
PTX06-1090	Perched	6/20/2022	DRY			
PTX06-1090	Perched	12/12/2022	DRY			
PTX06-1091	Perched	6/20/2022	DRY			
PTX06-1091	Perched	12/12/2022	DRY			
PTX06-1093	Perched	6/21/2022	DRY			
PTX06-1093	Perched	12/12/2022	DRY			
PTX06-1095A	Perched	5/11/2022	279.20	3256.53		
PTX06-1095A	Perched	6/21/2022	279.10	3256.63		
PTX06-1095A	Perched	11/14/2022	279.20	3256.53		
PTX06-1095A	Perched	12/13/2022	279.00	3256.73		
PTX06-1097	Perched	6/22/2022	DRY			
PTX06-1097	Perched	12/13/2022	DRY			
PTX06-1098	Perched	2/7/2022	278.95	3254.64		
PTX06-1098	Perched	6/21/2022	278.82	3254.77		
PTX06-1098	Perched	12/12/2022	278.72	3254.87		
PTX06-1100	Perched	2/7/2022	279.62	3255.01		
PTX06-1100	Perched	6/21/2022	279.73	3254.90		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1100	Perched	12/12/2022	279.50	3255.13		
PTX06-1101	Perched	2/7/2022	278.90	3254.65		
PTX06-1101	Perched	6/21/2022	278.96	3254.59		
PTX06-1101	Perched	12/12/2022	278.77	3254.78		
PTX06-1102	Perched	6/21/2022	DRY			
PTX06-1102	Perched	12/12/2022	288.30	3246.62		
PTX06-1103	Perched	6/21/2022	DRY			
PTX06-1103	Perched	12/12/2022	DRY			
PTX06-1109	Perched	6/21/2022	219.40	3299.92		
PTX06-1109	Perched	12/12/2022	218.70	3300.62		
PTX06-1110	Perched	6/21/2022	222.10	3299.43		
PTX06-1110	Perched	12/12/2022	221.30	3300.23		
PTX06-1112	Perched	6/21/2022	239.90	3303.57		
PTX06-1112	Perched	12/12/2022	240.10	3303.37		
PTX06-1113	Perched	6/21/2022	242.10	3303.37		
PTX06-1113	Perched	12/12/2022	242.30	3303.17		
PTX06-1115	Perched	6/21/2022	228.00	3301.18		
PTX06-1115	Perched	12/12/2022	227.50	3301.68		
PTX06-1116	Perched	6/21/2022	230.00	3300.16		
PTX06-1116	Perched	12/12/2022	229.60	3300.56		
PTX06-1118	Perched	6/20/2022	DRY			
PTX06-1118	Perched	12/12/2022	DRY			
PTX06-1120	Perched	6/21/2022	279.30	3248.28		
PTX06-1120	Perched	11/21/2022	279.70	3247.88		
PTX06-1120	Perched	12/13/2022	279.60	3247.98		
PTX06-1121	Perched	6/21/2022	279.10	3247.43		
PTX06-1121	Perched	12/13/2022	279.10	3247.43		
PTX06-1122	Perched	6/21/2022	DRY			
PTX06-1122	Perched	12/12/2022	DRY			
PTX06-1123	Perched	2/1/2022	279.70	3249.33		
PTX06-1123	Perched	6/20/2022	278.58	3250.45		
PTX06-1123	Perched	11/2/2022	278.98	3250.05		
PTX06-1123	Perched	12/12/2022	279.06	3249.97		
PTX06-1125	Perched	6/21/2022	DRY			
PTX06-1125	Perched	12/13/2022	DRY			
PTX06-1126	Perched	5/11/2022	269.30	3273.15		
PTX06-1126	Perched	6/21/2022	269.20	3273.25		
PTX06-1126	Perched	11/16/2022	269.10	3273.35		
PTX06-1126	Perched	12/13/2022	268.90	3273.55		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1127	Perched	5/17/2022	265.50	3273.10		
PTX06-1127	Perched	6/21/2022	265.60	3273.00		
PTX06-1127	Perched	11/16/2022	264.50	3274.10		
PTX06-1127	Perched	12/13/2022	265.20	3273.40		
PTX06-1128	Perched	6/21/2022	219.90	3302.06		
PTX06-1128	Perched	12/12/2022	219.60	3302.36		
PTX06-1129	Perched	6/21/2022	225.10	3297.44		
PTX06-1129	Perched	12/12/2022	224.60	3297.94		
PTX06-1130	Perched	6/20/2022	DRY			
PTX06-1130	Perched	12/12/2022	DRY			
PTX06-1131	Perched	5/11/2022	279.50	3269.87		
PTX06-1131	Perched	6/21/2022	279.50	3269.87		
PTX06-1131	Perched	12/13/2022	279.20	3270.17		
PTX06-1133A	Perched	5/4/2022	279.40	3241.25		
PTX06-1133A	Perched	6/20/2022	279.50	3241.15		
PTX06-1133A	Perched	11/1/2022	279.50	3241.15		
PTX06-1133A	Perched	12/12/2022	279.50	3241.15		
PTX06-1134	Perched	4/19/2022	266.30	3271.89		
PTX06-1134	Perched	6/21/2022	266.30	3271.89		
PTX06-1134	Perched	11/9/2022	266.30	3271.89		
PTX06-1134	Perched	12/12/2022	266.10	3272.09		
PTX06-1135	Perched	6/21/2022	273.20	3262.33		
PTX06-1135	Perched	12/12/2022	273.30	3262.23		
PTX06-1136	Perched	6/21/2022	DRY			
PTX06-1136	Perched	12/13/2022	283.40	3276.02		
PTX06-1146	Perched	1/31/2022	278.80	3257.29		
PTX06-1146	Perched	6/20/2022	279.10	3256.99		
PTX06-1146	Perched	8/9/2022	279.30	3256.79		
PTX06-1146	Perched	12/12/2022	279.40	3256.69		
PTX06-1147	Perched	5/10/2022	287.30	3242.45		
PTX06-1147	Perched	6/20/2022	287.20	3242.55		
PTX06-1147	Perched	11/1/2022	287.70	3242.05		
PTX06-1147	Perched	12/12/2022	287.40	3242.35		
PTX06-1148	Perched	4/18/2022	255.20	3270.92		
PTX06-1148	Perched	6/21/2022	255.08	3271.04		
PTX06-1148	Perched	11/8/2022	254.89	3271.23		
PTX06-1148	Perched	12/12/2022	254.74	3271.38		
PTX06-1149	Perched	4/18/2022	259.75	3271.70		
PTX06-1149	Perched	6/21/2022	259.65	3271.80		



Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1149	Perched	11/8/2022	259.38	3272.07		
PTX06-1149	Perched	12/12/2022	259.94	3271.51		
PTX06-1150	Perched	4/18/2022	261.80	3272.19		
PTX06-1150	Perched	6/21/2022	261.76	3272.23		
PTX06-1150	Perched	11/8/2022	261.38	3272.61		
PTX06-1150	Perched	12/12/2022	261.20	3272.79		
PTX06-1151	Perched	2/23/2022	273.30	3273.38		
PTX06-1151	Perched	6/20/2022	273.00	3273.68		
PTX06-1151	Perched	8/15/2022	272.90	3273.78		
PTX06-1151	Perched	12/14/2022	273.20	3273.48		
PTX06-1153	Perched	2/1/2022	280.60	3248.69		
PTX06-1153	Perched	6/20/2022	280.29	3249.00		
PTX06-1153	Perched	11/2/2022	280.38	3248.91		
PTX06-1153	Perched	12/12/2022	280.28	3249.01		
PTX06-1154	Perched	2/1/2022	279.14	3249.00		
PTX06-1154	Perched	6/20/2022	278.38	3249.76		
PTX06-1154	Perched	11/2/2022	278.64	3249.50		
PTX06-1154	Perched	12/12/2022	278.68	3249.46		
PTX06-1155	Perched	4/19/2022	269.00	3272.92		
PTX06-1155	Perched	6/21/2022	269.00	3272.92		
PTX06-1155	Perched	11/7/2022	268.96	3272.96		
PTX06-1155	Perched	12/13/2022	268.81	3273.11		
PTX06-1156	Perched	4/19/2022	257.06	3272.36		
PTX06-1156	Perched	6/21/2022	257.25	3272.17		
PTX06-1156	Perched	11/7/2022	257.08	3272.34		
PTX06-1156	Perched	12/13/2022	256.98	3272.44		
PTX06-1158	Perched	6/20/2022	285.30	3234.91		
PTX06-1158	Perched	12/13/2022	285.10	3235.11		
PTX06-1159	Perched	2/14/2022	269.50	3272.37		
PTX06-1159	Perched	4/25/2022	269.70	3272.17		
PTX06-1159	Perched	6/21/2022	269.50	3272.37		
PTX06-1159	Perched	8/2/2022	269.30	3272.57		
PTX06-1159	Perched	12/27/2022	269.10	3272.77		
PTX06-1160	Perched	2/14/2022	273.00	3273.59		
PTX06-1160	Perched	6/21/2022	272.90	3273.69		
PTX06-1160	Perched	8/2/2022	272.70	3273.89		
PTX06-1160	Perched	12/13/2022	272.80	3273.79		
PTX06-1164	Perched	5/2/2022	272.50	3272.88		
PTX06-1164	Perched	6/21/2022	271.90	3273.48		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1164	Perched	11/14/2022	272.20	3273.18		
PTX06-1164	Perched	12/13/2022	272.13	3273.25		
PTX06-1166	Perched	2/16/2022	281.90	3251.56		
PTX06-1166	Perched	6/21/2022	281.86	3251.60		
PTX06-1166	Perched	7/25/2022	281.90	3251.56		
PTX06-1166	Perched	11/29/2022	282.00	3251.46		
PTX06-1166	Perched	12/12/2022	281.90	3251.56		
PTX06-1167	Perched	6/21/2022	DRY			
PTX06-1167	Perched	12/12/2022	DRY			
PTX06-1168	Perched	6/22/2022	279.40	3254.29		
PTX06-1168	Perched	12/13/2022	279.40	3254.29		
PTX06-1169	Perched	4/27/2022	267.23	3272.49		
PTX06-1169	Perched	6/21/2022	267.42	3272.30		
PTX06-1169	Perched	11/14/2022	267.09	3272.63		
PTX06-1169	Perched	12/13/2022	267.04	3272.68		
PTX06-1170	Perched	4/27/2022	270.02	3272.72		
PTX06-1170	Perched	6/21/2022	269.51	3273.23		
PTX06-1170	Perched	11/15/2022	270.06	3272.68		
PTX06-1170	Perched	12/13/2022	269.81	3272.93		
PTX06-1171	Perched	6/22/2022	271.10	3273.44		
PTX06-1171	Perched	8/3/2022	270.90	3273.64		
PTX06-1171	Perched	12/13/2022	271.20	3273.34		
PTX06-1173	Perched	4/13/2022	270.71	3272.26		
PTX06-1173	Perched	6/21/2022	270.44	3272.53		
PTX06-1173	Perched	11/7/2022	270.54	3272.43		
PTX06-1173	Perched	12/13/2022	270.32	3272.65		
PTX06-1174	Perched	4/13/2022	271.85	3272.44		
PTX06-1174	Perched	6/21/2022	271.36	3272.93		
PTX06-1174	Perched	11/7/2022	271.61	3272.68		
PTX06-1174	Perched	12/13/2022	271.41	3272.88		
PTX06-1175	Perched	4/13/2022	272.90	3272.39		
PTX06-1175	Perched	6/21/2022	272.49	3272.80		
PTX06-1175	Perched	11/7/2022	272.67	3272.62		
PTX06-1175	Perched	12/13/2022	272.52	3272.77		
PTX06-1176	Perched	4/27/2022	271.35	3272.80		
PTX06-1176	Perched	6/21/2022	271.16	3272.99		
PTX06-1176	Perched	11/15/2022	271.54	3272.61		
PTX06-1176	Perched	12/13/2022	271.23	3272.92		
PTX06-1177	Perched	5/2/2022	271.80	3272.94		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1177	Perched	6/21/2022	271.47	3273.27		
PTX06-1177	Perched	11/14/2022	271.85	3272.89		
PTX06-1177	Perched	12/13/2022	271.73	3273.01		
PTX06-1180	Perched	2/23/2022	274.00	3273.37		
PTX06-1180	Perched	6/20/2022	273.70	3273.67		
PTX06-1180	Perched	8/15/2022	273.60	3273.77		
PTX06-1180	Perched	12/14/2022	273.80	3273.57		
PTX06-1181	Perched	2/23/2022	273.90	3273.51		
PTX06-1181	Perched	6/20/2022	273.70	3273.71		
PTX06-1181	Perched	8/15/2022	273.50	3273.91		
PTX06-1181	Perched	12/14/2022	273.70	3273.71		
PTX06-1182	Perched	5/9/2022	277.60	3239.72		
PTX06-1182	Perched	5/9/2022	277.60	3239.72		
PTX06-1182	Perched	5/9/2022	277.60	3239.72		
PTX06-1182	Perched	6/20/2022	277.70	3239.62		
PTX06-1182	Perched	11/1/2022	277.80	3239.52		
PTX06-1182	Perched	12/12/2022	277.60	3239.72		
PTX06-1183	Perched	4/19/2022	280.30	3254.02		
PTX06-1183	Perched	6/7/2022	280.40	3253.92		
PTX06-1183	Perched	6/21/2022	280.30	3254.02		
PTX06-1183	Perched	11/9/2022	280.20	3254.12		
PTX06-1183	Perched	11/29/2022	280.30	3254.02		
PTX06-1183	Perched	12/12/2022	280.20	3254.12		
PTX06-1184	Perched	6/20/2022	274.30	3241.87		
PTX06-1184	Perched	12/12/2022	274.30	3241.87		
PTX06-1185	Perched	5/9/2022	279.60	3237.77		
PTX06-1185	Perched	5/9/2022	279.60	3237.77		
PTX06-1185	Perched	5/9/2022	279.60	3237.77		
PTX06-1185	Perched	6/20/2022	279.80	3237.57		
PTX06-1185	Perched	11/1/2022	279.70	3237.67		
PTX06-1185	Perched	12/12/2022	279.60	3237.77		
PTX06-1188	Perched	6/21/2022	DRY			
PTX06-1188	Perched	12/12/2022	DRY			
PTX06-1189	Perched	6/21/2022	DRY			
PTX06-1189	Perched	12/12/2022	DRY			
PTX06-1190	Perched	5/4/2022	281.80	3236.79		
PTX06-1190	Perched	5/4/2022	281.80	3236.79		
PTX06-1190	Perched	5/4/2022	281.80	3236.79		
PTX06-1190	Perched	6/20/2022	282.00	3236.59		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1190	Perched	10/31/2022	281.80	3236.79		
PTX06-1190	Perched	12/13/2022	281.70	3236.89		
PTX06-1191	Perched	2/14/2022	280.99	3234.09		
PTX06-1191	Perched	3/21/2022	280.89	3234.19		
PTX06-1191	Perched	3/21/2022	280.89	3234.19		
PTX06-1191	Perched	6/20/2022	280.97	3234.11		
PTX06-1191	Perched	8/16/2022	281.09	3233.99		
PTX06-1191	Perched	12/13/2022	280.48	3234.60		
PTX06-1192	Perched	1/25/2022	280.90	3231.42		
PTX06-1192	Perched	6/20/2022	280.80	3231.52		
PTX06-1192	Perched	7/26/2022	280.80	3231.52		
PTX06-1192	Perched	12/13/2022	280.50	3231.82		
PTX06-1193	Perched	6/20/2022	DRY			
PTX06-1193	Perched	12/13/2022	DRY			
PTX06-1194	Perched	2/14/2022	279.15	3235.60		
PTX06-1194	Perched	6/20/2022	279.23	3235.52		
PTX06-1194	Perched	8/16/2022	279.32	3235.43		
PTX06-1194	Perched	12/13/2022	279.17	3235.58		
PTX06-1195	Perched	5/4/2022	283.70	3235.18		
PTX06-1195	Perched	5/4/2022	283.70	3235.18		
PTX06-1195	Perched	5/4/2022	283.70	3235.18		
PTX06-1195	Perched	6/20/2022	283.80	3235.08		
PTX06-1195	Perched	10/31/2022	283.60	3235.28		
PTX06-1195	Perched	12/13/2022	283.50	3235.38		
PTX06-1196	Perched	2/14/2022	281.65	3233.30		
PTX06-1196	Perched	6/20/2022	281.55	3233.40		
PTX06-1196	Perched	8/16/2022	281.67	3233.28		
PTX06-1196	Perched	12/13/2022	281.26	3233.69		
PTX06-1197	Perched	2/21/2022	281.20	3231.87		
PTX06-1197	Perched	6/20/2022	281.30	3231.77		
PTX06-1197	Perched	7/20/2022	281.30	3231.77		
PTX06-1197	Perched	12/13/2022	281.20	3231.87		
PTX06-1198	Perched	6/20/2022	295.90	3234.75		
PTX06-1198	Perched	12/12/2022	295.80	3234.85		
PTX06-1199	Perched	1/25/2022	282.60	3231.30		
PTX06-1199	Perched	6/20/2022	282.50	3231.40		
PTX06-1199	Perched	7/26/2022	282.50	3231.40		
PTX06-1199	Perched	12/13/2022	282.40	3231.50		
PTX06-1200	Perched	1/17/2022	282.50	3227.74		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1200	Perched	6/20/2022	282.70	3227.54		
PTX06-1200	Perched	7/26/2022	282.60	3227.64		
PTX06-1200	Perched	12/13/2022	282.70	3227.54		
PTX06-1201	Perched	1/17/2022	282.70	3228.32		
PTX06-1201	Perched	6/20/2022	282.70	3228.32		
PTX06-1201	Perched	7/26/2022	282.70	3228.32		
PTX06-1201	Perched	12/13/2022	282.70	3228.32		
PTX06-1202	Perched	1/17/2022	283.50	3229.61		
PTX06-1202	Perched	6/20/2022	283.50	3229.61		
PTX06-1202	Perched	7/27/2022	283.40	3229.71		
PTX06-1202	Perched	12/13/2022	283.30	3229.81		
PTX06-1203	Perched	1/17/2022	283.10	3228.95		
PTX06-1203	Perched	6/20/2022	283.10	3228.95		
PTX06-1203	Perched	7/27/2022	283.10	3228.95		
PTX06-1203	Perched	12/13/2022	283.10	3228.95		
PTX06-1204	Perched	1/25/2022	282.10	3227.82		
PTX06-1204	Perched	6/20/2022	282.30	3227.62		
PTX06-1204	Perched	7/27/2022	282.10	3227.82		
PTX06-1204	Perched	12/13/2022	282.30	3227.62		
PTX06-1205	Perched	6/20/2022	282.10	3230.35		
PTX06-1205	Perched	12/13/2022	282.10	3230.35		
PTX06-1206	Perched	6/22/2022	279.60	3247.09		
PTX06-1206	Perched	12/12/2022	279.60	3247.09		
PTX06-1207	Perched	4/19/2022	254.90	3271.29		
PTX06-1207	Perched	6/21/2022	255.07	3271.12		
PTX06-1207	Perched	11/9/2022	254.90	3271.29		
PTX06-1207	Perched	12/12/2022	254.80	3271.39		
PTX06-1208	Perched	1/25/2022	282.90	3227.21		
PTX06-1208	Perched	6/20/2022	283.00	3227.11		
PTX06-1208	Perched	7/27/2022	283.00	3227.11		
PTX06-1208	Perched	12/13/2022	283.20	3226.91		
PTX06-1209	Perched	5/2/2022	264.50	3272.71		
PTX06-1209	Perched	6/21/2022	264.71	3272.50		
PTX06-1209	Perched	11/15/2022	264.40	3272.81		
PTX06-1209	Perched	12/7/2022	264.48	3272.73		
PTX06-1209	Perched	12/13/2022	264.26	3272.95		
PTX06-1210	Perched	5/2/2022	261.75	3272.56		
PTX06-1210	Perched	6/21/2022	261.96	3272.35		
PTX06-1210	Perched	11/15/2022	261.65	3272.66		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1210	Perched	12/7/2022	261.71	3272.60		
PTX06-1210	Perched	12/13/2022	261.52	3272.79		
PTX06-1211	Perched	4/25/2022	266.50	3272.77		
PTX06-1211	Perched	6/23/2022	266.30	3272.97		
PTX06-1211	Perched	11/16/2022	266.10	3273.17		
PTX06-1211	Perched	12/27/2022	265.80	3273.47		
PTX06-1212	Perched	6/23/2022	283.10	3249.64		
PTX06-1212	Perched	12/12/2022	282.80	3249.94		
PTX06-1213	Perched	2/15/2022	278.28	3238.11		
PTX06-1213	Perched	6/20/2022	278.55	3237.84		
PTX06-1213	Perched	11/9/2022	278.53	3237.86		
PTX06-1213	Perched	12/13/2022	278.53	3237.86		
PTX06-1214	Perched	2/15/2022	281.00	3235.87		
PTX06-1214	Perched	6/20/2022	281.30	3235.57		
PTX06-1214	Perched	11/9/2022	281.07	3235.80		
PTX06-1214	Perched	12/13/2022	281.06	3235.81		
PTX06-1215	Perched	11/1/2022	281.83	3226.84		
PTX06-1216	Perched	12/14/2022	280.94	3229.78		
PTX06-1218	Perched	11/1/2022	280.70	3231.02		
PTX06-1219	Perched	11/1/2022	282.00	3229.80		
PTX06-ISB010	Perched	6/20/2022	282.18	3249.06		
PTX06-ISB010	Perched	12/12/2022	283.53	3247.71		
PTX06-ISB011	Perched	6/20/2022	282.00	3248.71		
PTX06-ISB011	Perched	12/12/2022	282.47	3248.24		
PTX06-ISB012	Perched	6/20/2022	282.65	3248.54		
PTX06-ISB012	Perched	12/12/2022	282.81	3248.38		
PTX06-ISB013	Perched	6/20/2022	284.89	3245.67		
PTX06-ISB013	Perched	12/12/2022	285.00	3245.56		
PTX06-ISB014	Perched	6/20/2022	282.94	3247.61		
PTX06-ISB014	Perched	12/12/2022	285.23	3245.32		
PTX06-ISB015	Perched	6/20/2022	285.75	3244.45		
PTX06-ISB015	Perched	12/12/2022	285.65	3244.55		
PTX06-ISB016	Perched	6/20/2022	281.43	3248.49		
PTX06-ISB016	Perched	12/12/2022	281.43	3248.49		
PTX06-ISB017	Perched	6/20/2022	279.60	3250.26		
PTX06-ISB017	Perched	12/12/2022	280.29	3249.57		
PTX06-ISB018	Perched	6/20/2022	279.37	3250.12		
PTX06-ISB018	Perched	12/12/2022	284.15	3245.34		
PTX06-ISB019	Perched	6/20/2022	278.63	3251.04		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB019	Perched	12/12/2022	289.08	3240.59		
PTX06-ISB020	Perched	12/12/2022	279.85	3248.70		
PTX06-ISB021	Perched	2/8/2022	282.30	3246.96		
PTX06-ISB021	Perched	6/20/2022	279.48	3249.78		
PTX06-ISB021	Perched	8/30/2022	280.13	3249.13		
PTX06-ISB021	Perched	12/12/2022	281.55	3247.71		
PTX06-ISB022	Perched	6/20/2022	281.75	3247.15		
PTX06-ISB022	Perched	12/12/2022	DRY			
PTX06-ISB023A	Perched	6/20/2022	278.52	3250.75		
PTX06-ISB023A	Perched	12/12/2022	287.15	3242.12		
PTX06-ISB024	Perched	6/20/2022	278.35	3250.59		
PTX06-ISB024	Perched	12/12/2022	DRY			
PTX06-ISB025	Perched	6/20/2022	285.26	3243.73		
PTX06-ISB025	Perched	12/12/2022	285.30	3243.69		
PTX06-ISB026	Perched	6/20/2022	283.76	3245.11		
PTX06-ISB026	Perched	12/12/2022	283.10	3245.77		
PTX06-ISB027	Perched	6/20/2022	281.22	3247.36		
PTX06-ISB027	Perched	12/12/2022	281.24	3247.34		
PTX06-ISB028	Perched	6/20/2022	DRY			
PTX06-ISB028	Perched	12/12/2022	DRY			
PTX06-ISB029A	Perched	6/20/2022	284.55	3246.17		
PTX06-ISB029A	Perched	12/12/2022	284.53	3246.19		
PTX06-ISB030B	Perched	2/8/2022	282.45	3248.33		
PTX06-ISB030B	Perched	6/20/2022	282.40	3248.38		
PTX06-ISB030B	Perched	8/30/2022	282.31	3248.47		
PTX06-ISB030B	Perched	12/12/2022	282.42	3248.36		
PTX06-ISB031	Perched	6/20/2022	282.33	3247.41		
PTX06-ISB031	Perched	12/12/2022	282.37	3247.37		
PTX06-ISB032	Perched	6/20/2022	283.18	3247.10		
PTX06-ISB032	Perched	12/12/2022	283.20	3247.08		
PTX06-ISB033	Perched	12/12/2022	DRY			
PTX06-ISB034	Perched	12/12/2022	DRY			
PTX06-ISB035	Perched	12/12/2022	279.35	3249.84		
PTX06-ISB036	Perched	12/12/2022	DRY			
PTX06-ISB038	Perched	2/9/2022	279.45	3249.38		
PTX06-ISB038	Perched	8/29/2022	279.71	3249.12		
PTX06-ISB038	Perched	12/12/2022	280.19	3248.64		
PTX06-ISB039	Perched	12/12/2022	280.13	3248.76		
PTX06-ISB040	Perched	6/20/2022	278.14	3250.45		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB040	Perched	12/12/2022	278.76	3249.83		
PTX06-ISB041	Perched	6/20/2022	278.22	3250.44		
PTX06-ISB041	Perched	12/12/2022	278.95	3249.71		
PTX06-ISB042	Perched	2/8/2022	285.37	3243.44		
PTX06-ISB042	Perched	6/20/2022	277.91	3250.90		
PTX06-ISB042	Perched	8/30/2022	278.32	3250.49		
PTX06-ISB042	Perched	11/9/2022	278.39	3250.42		
PTX06-ISB042	Perched	12/12/2022	278.68	3250.13		
PTX06-ISB043	Perched	6/20/2022	285.10	3243.63		
PTX06-ISB043	Perched	12/12/2022	285.15	3243.58		
PTX06-ISB044A	Perched	6/20/2022	278.92	3250.27		
PTX06-ISB044A	Perched	12/12/2022	279.73	3249.46		
PTX06-ISB045	Perched	6/20/2022	280.63	3247.79		
PTX06-ISB045	Perched	12/12/2022	280.70	3247.72		
PTX06-ISB046	Perched	2/9/2022	280.00	3248.48		
PTX06-ISB046	Perched	6/20/2022	278.81	3249.67		
PTX06-ISB046	Perched	8/31/2022	279.20	3249.28		
PTX06-ISB046	Perched	12/12/2022	279.35	3249.13		
PTX06-ISB047	Perched	12/12/2022	279.23	3249.17		
PTX06-ISB048	Perched	2/9/2022	279.73	3248.80		
PTX06-ISB048	Perched	6/20/2022	279.18	3249.35		
PTX06-ISB048	Perched	8/31/2022	279.57	3248.96		
PTX06-ISB048	Perched	12/12/2022	283.43	3245.10		
PTX06-ISB049	Perched	6/20/2022	277.81	3250.84		
PTX06-ISB049	Perched	12/12/2022	280.60	3248.05		
PTX06-ISB050	Perched	6/20/2022	287.93	3240.45		
PTX06-ISB050	Perched	12/12/2022	287.98	3240.40		
PTX06-ISB051	Perched	6/20/2022	DRY			
PTX06-ISB051	Perched	12/12/2022	DRY			
PTX06-ISB055	Perched	3/29/2022	261.41	3272.61		
PTX06-ISB055	Perched	6/21/2022	258.82	3275.20		
PTX06-ISB055	Perched	11/21/2022	260.55	3273.47		
PTX06-ISB055	Perched	12/13/2022	261.28	3272.74		
PTX06-ISB059	Perched	4/4/2022	261.00	3272.67		
PTX06-ISB059	Perched	6/21/2022	259.51	3274.16		
PTX06-ISB059	Perched	11/21/2022	260.10	3273.57		
PTX06-ISB059	Perched	12/13/2022	261.52	3272.15		
PTX06-ISB064	Perched	4/4/2022	262.38	3273.33		
PTX06-ISB064	Perched	6/21/2022	263.15	3272.56		



Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB064	Perched	11/21/2022	262.47	3273.24		
PTX06-ISB064	Perched	12/13/2022	262.62	3273.09		
PTX06-ISB075	Perched	4/26/2022	269.26	3272.88		
PTX06-ISB075	Perched	6/21/2022	269.11	3273.03		
PTX06-ISB075	Perched	11/15/2022	268.92	3273.22		
PTX06-ISB075	Perched	12/13/2022	268.76	3273.38		
PTX06-ISB079	Perched	4/26/2022	260.02	3271.61		
PTX06-ISB079	Perched	6/21/2022	259.90	3271.73		
PTX06-ISB079	Perched	11/15/2022	259.90	3271.73		
PTX06-ISB079	Perched	12/13/2022	259.70	3271.93		
PTX06-ISB082	Perched	4/26/2022	258.72	3271.68		
PTX06-ISB082	Perched	6/21/2022	258.67	3271.73		
PTX06-ISB082	Perched	11/15/2022	258.60	3271.80		
PTX06-ISB082	Perched	12/13/2022	258.45	3271.95		
PTX06-ISB133	Perched	3/28/2022	273.20	3273.34		
PTX06-ISB133	Perched	11/21/2022	273.09	3273.45		
PTX06-ISB133	Perched	12/13/2022	273.06	3273.48		
PTX06-ISB135	Perched	3/28/2022	273.60	3273.48		
PTX06-ISB135	Perched	11/21/2022	273.54	3273.54		
PTX06-ISB135	Perched	12/13/2022	273.51	3273.57		
PTX06-ISB137	Perched	3/28/2022	273.67	3273.65		
PTX06-ISB137	Perched	11/21/2022	273.70	3273.62		
PTX06-ISB137	Perched	12/13/2022	273.56	3273.76		
PTX06-ISB302	Perched	2/28/2022	277.33	3238.98		
PTX06-ISB302	Perched	6/20/2022	277.48	3238.83		
PTX06-ISB302	Perched	12/13/2022	277.75	3238.56		
PTX06-ISB305	Perched	6/20/2022	278.42	3238.33		
PTX06-ISB305	Perched	12/13/2022	278.52	3238.23		
PTX06-ISB307	Perched	2/28/2022	278.40	3238.28		
PTX06-ISB307	Perched	6/20/2022	278.65	3238.03		
PTX06-ISB307	Perched	12/6/2022	279.22	3237.46		
PTX06-ISB307	Perched	12/13/2022	280.60	3236.08		
PTX06-ISB312	Perched	6/20/2022	280.15	3236.66		
PTX06-ISB312	Perched	12/13/2022	280.67	3236.14		
PTX06-ISB317	Perched	2/28/2022	281.42	3235.88		
PTX06-ISB317	Perched	6/20/2022	281.39	3235.91		
PTX06-ISB317	Perched	12/6/2022	281.53	3235.77		
PTX06-ISB317	Perched	12/13/2022	281.61	3235.69		
PTX06-ISB321	Perched	2/22/2022	281.95	3235.19		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB321	Perched	6/20/2022	281.88	3235.26		
PTX06-ISB321	Perched	11/30/2022	282.08	3235.06		
PTX06-ISB321	Perched	12/13/2022	281.68	3235.46		
PTX06-ISB324	Perched	12/13/2022	282.40	3234.88		
PTX06-ISB325	Perched	2/22/2022	282.60	3234.60		
PTX06-ISB325	Perched	11/30/2022	282.85	3234.35		
PTX06-ISB325	Perched	12/13/2022	282.71	3234.49		
PTX06-ISB329	Perched	2/21/2022	282.41	3235.46		
PTX06-ISB329	Perched	6/20/2022	282.71	3235.16		
PTX06-ISB329	Perched	11/29/2022	282.42	3235.45		
PTX06-ISB329	Perched	12/13/2022	282.45	3235.42		
PTX06-ISB331	Perched	2/21/2022	282.69	3235.48		
PTX06-ISB331	Perched	6/20/2022	282.89	3235.28		
PTX06-ISB331	Perched	11/29/2022	282.64	3235.53		
PTX06-ISB331	Perched	12/13/2022	282.68	3235.49		
PTX06-ISB417	Perched	8/23/2022	280.27	3234.23		
PTX06-ISB418	Perched	8/23/2022	280.30	3233.77		
PTX06-ISB419	Perched	8/23/2022	280.28	3233.45		
PTX06-ISB427	Perched	10/31/2022	281.94	3229.50		
PTX06-ISB431	Perched	10/31/2022	282.70	3229.81		
PTX06-ISB440	Perched	10/31/2022	281.02	3231.34		
PTX06-MEW401	Perched	8/24/2022	281.04	3233.96		
PTX06-MEW402	Perched	8/24/2022	281.32	3233.67		
PTX06-MEW403	Perched	8/24/2022	281.31	3233.49		
PTX06-MEW405	Perched	8/24/2022	279.89	3234.58		
PTX06-PRB09	Perched	6/21/2022	DRY			
PTX06-PRB09	Perched	12/12/2022	DRY			
PTX06-PZ01	Perched	6/20/2022	259.30	3282.73		
PTX06-PZ01	Perched	12/12/2022	258.80	3283.23		
PTX06-PZ02	Perched	6/20/2022	259.10	3283.09		
PTX06-PZ02	Perched	12/12/2022	258.70	3283.49		
PTX06-PZ03	Perched	6/20/2022	258.30	3284.00		
PTX06-PZ03	Perched	12/12/2022	257.60	3284.70		
PTX06-PZ05	Perched	6/21/2022	268.00	3273.67		
PTX06-PZ05	Perched	12/13/2022	267.90	3273.77		
PTX06-PZ06	Perched	6/21/2022	279.40	3257.62		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-PZ06	Perched	12/13/2022	DRY			
PTX06-REC416	Perched	12/14/2022	282.44	3228.29		
PTX06-REC422	Perched	12/14/2022	283.60	3228.19		
PTX06-REC433	Perched	12/14/2022	281.76	3230.38		
PTX06-REC436	Perched	12/14/2022	281.70	3230.49		
PTX06-REC443	Perched	10/31/2022	280.50	3232.03		
PTX06-REC445	Perched	10/31/2022	280.47	3232.20		
PTX07-1O01	Perched	6/21/2022	254.20	3298.25		
PTX07-1O01	Perched	12/12/2022	254.00	3298.45		
PTX07-1O02	Perched	6/21/2022	251.20	3300.13		
PTX07-1O02	Perched	11/15/2022	251.20	3300.13		
PTX07-1O02	Perched	12/12/2022	251.00	3300.33		
PTX07-1O03	Perched	6/21/2022	248.60	3301.91		
PTX07-1O03	Perched	8/3/2022	249.60	3300.91		
PTX07-1O03	Perched	12/12/2022	249.50	3301.01		
PTX07-1O04	Perched	6/21/2022	254.80	3297.71		
PTX07-1O04	Perched	12/12/2022	254.60	3297.91		
PTX07-1O05	Perched	6/21/2022	256.00	3296.30		
PTX07-1O05	Perched	12/12/2022	255.20	3297.10		
PTX07-1P01	Perched	6/21/2022	246.80	3297.05		
PTX07-1P01	Perched	12/12/2022	246.30	3297.55		
PTX07-1P02	Perched	6/21/2022	235.00	3299.89		
PTX07-1P02	Perched	11/15/2022	235.10	3299.79		
PTX07-1P02	Perched	12/12/2022	234.60	3300.29		
PTX07-1P03	Perched	6/20/2022	252.90	3293.90		
PTX07-1P03	Perched	12/12/2022	252.00	3294.80		
PTX07-1P04	Perched	6/21/2022	DRY			
PTX07-1P04	Perched	12/12/2022	DRY			
PTX07-1P05	Perched	6/21/2022	247.00	3298.32		
PTX07-1P05	Perched	12/12/2022	246.90	3298.42		
PTX07-1P06	Perched	1/4/2022	254.90	3290.60		
PTX07-1P06	Perched	6/21/2022	254.00	3291.50		
PTX07-1P06	Perched	12/27/2022	252.80	3292.70		
PTX07-1Q01	Perched	6/21/2022	276.30	3271.25		
PTX07-1Q01	Perched	12/13/2022	275.80	3271.75		
PTX07-1Q02	Perched	6/21/2022	280.90	3271.17		
PTX07-1Q02	Perched	12/13/2022	280.50	3271.57		
PTX07-1R03	Perched	6/20/2022	254.30	3319.20		
PTX07-1R03	Perched	12/13/2022	254.50	3319.00		

Location	Aquifer	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX08-1001	Perched	5/3/2022	218.10	3300.76		
PTX08-1001	Perched	6/21/2022	218.10	3300.76		
PTX08-1001	Perched	12/12/2022	217.50	3301.36		
PTX08-1002	Perched	6/21/2022	218.10	3298.91		
PTX08-1002	Perched	11/15/2022	217.90	3299.11		
PTX08-1002	Perched	12/12/2022	217.30	3299.71		
PTX08-1003	Perched	1/31/2022	276.20	3277.29		
PTX08-1003	Perched	6/20/2022	276.40	3277.09		
PTX08-1003	Perched	12/12/2022	275.90	3277.59		
PTX08-1005	Perched	2/22/2022	273.60	3273.13		
PTX08-1005	Perched	6/20/2022	273.50	3273.23		
PTX08-1005	Perched	12/14/2022	273.70	3273.03		
PTX08-1006	Perched	2/22/2022	272.40	3273.36		
PTX08-1006	Perched	6/20/2022	272.40	3273.36		
PTX08-1006	Perched	8/15/2022	272.30	3273.46		
PTX08-1006	Perched	12/12/2022	272.10	3273.66		
PTX08-1007	Perched	5/16/2022	271.80	3277.01		
PTX08-1007	Perched	6/20/2022	271.80	3277.01		
PTX08-1007	Perched	12/13/2022	271.50	3277.31		
PTX08-1008	Perched	5/17/2022	268.90	3269.57		
PTX08-1008	Perched	6/22/2022	269.10	3269.37		
PTX08-1008	Perched	11/9/2022	269.00	3269.47		
PTX08-1008	Perched	12/13/2022	268.90	3269.57		
PTX08-1009	Perched	2/22/2022	275.00	3264.20		
PTX08-1009	Perched	6/22/2022	274.70	3264.50		
PTX08-1009	Perched	11/29/2022	274.70	3264.50		
PTX08-1009	Perched	12/13/2022	274.60	3264.60		
PTX08-1010	Perched	6/20/2022	216.50	3308.22		
PTX08-1010	Perched	12/12/2022	216.30	3308.42		
PTX10-1008	Perched	6/20/2022	266.60	3277.48		
PTX10-1008	Perched	12/13/2022	266.20	3277.88		
PTX10-1014	Perched	6/20/2022	257.10	3287.09		
PTX10-1014	Perched	8/3/2022	257.00	3287.19		
PTX10-1014	Perched	12/13/2022	256.70	3287.49		

btoc – below top of casing

amsl – above mean sea level

# **Appendix D**

## **Data Evaluation Table and Electronic Data**



Table D-1. Perched Monitoring Well Data Exceeding GWPS

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
1114-MW4		8/3/2022	Perchlorate	40.1	10		J+	1.52	15
1114-MW4		8/3/2022	Trichloroethene	16.9	1			1.52	5
OW-WR-38		5/3/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	48.7	2.57			0	2
OW-WR-38		5/3/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	50	2.58				2
PTX06-1002A		2/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	23	1.3	^	J	0.07	2
PTX06-1002A		2/21/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	4.18	0.261	^	J+	0.07	2
PTX06-1005		2/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	5.36	0.258		J	0.18	2
PTX06-1005		2/21/2022	1,3,5-Trinitrobenzene	435	12.9		J+	0.18	220
PTX06-1005		2/21/2022	1,2-Dichloroethane	13	1			0.18	5
PTX06-1005		2/21/2022	Trichloroethene	12.1	1			0.18	5
PTX06-1005		8/2/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	4.2	0.261		J	0.9	2
PTX06-1005		8/2/2022	1,3,5-Trinitrobenzene	355	26.1		J	0.9	220
PTX06-1005		8/2/2022	1,2-Dichloroethane	8.53	1		J	0.9	5
PTX06-1005		8/2/2022	Trichloroethene	7.85	1		J	0.9	5
PTX06-1006		11/28/2022	4-Amino-2,6-Dinitrotoluene	2.08	0.259			14.7	1.2
PTX06-1006		11/28/2022	Perchlorate	94	20		J	14.7	15
PTX06-1007		11/21/2022	4-Amino-2,6-Dinitrotoluene	10.5	0.257			2.13	1.2
PTX06-1007		11/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	5.41	0.257		J	2.13	2
PTX06-1007		11/21/2022	Perchlorate	66	20		J	2.13	15
PTX06-1008		5/10/2022	1,2-Dichloroethane	66.1	1			3.64	5
PTX06-1010		5/16/2022	Chromium, Total	1270	50	D	J	4.04	100
PTX06-1010		5/16/2022	Chromium, Hexavalent	606.735	20	I	J	4.04	100
PTX06-1011		5/16/2022	Trichloroethene	8.43	1			0.19	5
PTX06-1012		4/19/2022	Arsenic	13	2.5			1.13	12
PTX06-1012		4/19/2022	1,4-Dioxane	34.5	1		J+	1.13	7.7

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1012		4/19/2022	Vinyl Chloride	9.35	1			1.13	2
PTX06-1012		11/7/2022	1,4-Dioxane	34.8	1	H	J		7.7
PTX06-1012		11/7/2022	1,4-Dioxane	34.9	1	H	J		7.7
PTX06-1012		11/7/2022	Vinyl Chloride	7.02	1				2
PTX06-1012		11/7/2022	Vinyl Chloride	7.18	1				2
PTX06-1013		2/15/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	4.05	0.258	*F	J	0.66	2
PTX06-1014		7/20/2022	2-Amino-4,6-Dinitrotoluene	1.45	0.261			0.45	1.2
PTX06-1014		7/20/2022	4-Amino-2,6-Dinitrotoluene	3.15	0.261			0.45	1.2
PTX06-1014		7/20/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	636	65.4		J	0.45	2
PTX06-1014		7/20/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	25.8	6.54			0.45	2
PTX06-1031	Compliance	5/4/2022	4-Amino-2,6-Dinitrotoluene	2.98	0.26			0.56	1.2
PTX06-1031	Compliance	5/4/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	798	26			0.56	2
PTX06-1031	Compliance	5/4/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	31.7	2.6			0.56	2
PTX06-1031	Compliance	5/4/2022	Chromium, Total	116	10			0.56	100
PTX06-1031	Compliance	5/4/2022	Chromium, Hexavalent	142.66	20	I		0.56	100
PTX06-1031	Compliance	11/1/2022	4-Amino-2,6-Dinitrotoluene	3.07	0.256			0.76	1.2
PTX06-1031	Compliance	11/1/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	752	64		J	0.76	2
PTX06-1031	Compliance	11/1/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	32.9	6.4			0.76	2
PTX06-1034	Compliance	1/31/2022	4-Amino-2,6-Dinitrotoluene	4.99	0.257			0	1.2
PTX06-1034	Compliance	1/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	1020	32.1	*	J	0	2
PTX06-1034	Compliance	1/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	36.6	2.57	*	J	0	2
PTX06-1034	Compliance	8/9/2022	4-Amino-2,6-Dinitrotoluene	5.06	0.257			0.11	1.2
PTX06-1034	Compliance	8/9/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	839	25.7	*	J	0.11	2
PTX06-1034	Compliance	8/9/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	34.7	2.57	*	J	0.11	2
PTX06-1035		2/14/2022	Perchlorate	2150	1000		J	0	15
PTX06-1035		2/14/2022	Trichloroethene	11.8	1			0	5
PTX06-1035		4/25/2022	Perchlorate	231	100			0	15
PTX06-1035		8/2/2022	Perchlorate	223	100		J+	0.15	15
PTX06-1035		8/2/2022	Trichloroethene	21.3	1		J	0.15	5
PTX06-1037		2/1/2022	Arsenic	17	2.5			1.37	12
PTX06-1037		2/1/2022	Barium	2700	2.5	B ^		1.37	2000



Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1037		11/2/2022	Arsenic	27	2.5				12
PTX06-1037		11/2/2022	Barium	3900	1.5	^			2000
PTX06-1037		11/2/2022	Manganese	2100	1.8				1715.5
PTX06-1038		4/20/2022	2-Amino-4,6-Dinitrotoluene	2.23	0.261			0.04	1.2
PTX06-1038		4/20/2022	4-Amino-2,6-Dinitrotoluene	3.74	0.261			0.04	1.2
PTX06-1038		4/20/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	65.9	2.61	*F	J	0.04	2
PTX06-1038		4/20/2022	TNT (2,4,6-Trinitrotoluene)	5.46	0.261			0.04	3.6
PTX06-1038		4/20/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.51	0.261			0.04	2
PTX06-1039A		11/14/2022	2-Amino-4,6-Dinitrotoluene	3.41	0.263	^		0.33	1.2
PTX06-1039A		11/14/2022	4-Amino-2,6-Dinitrotoluene	24.6	2.63			0.33	1.2
PTX06-1039A		11/14/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	10.9	0.263			0.33	2
PTX06-1039A		11/14/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	3.04	0.263			0.33	2
PTX06-1039A		11/14/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	510	13.2		J-	0.33	2
PTX06-1039A		11/14/2022	TNT (2,4,6-Trinitrotoluene)	34.3	2.63			0.33	3.6
PTX06-1039A		11/14/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	45.6	2.63			0.33	2
PTX06-1040		11/14/2022	2-Amino-4,6-Dinitrotoluene	2.04	0.257	^		1.19	1.2
PTX06-1040		11/14/2022	4-Amino-2,6-Dinitrotoluene	17	0.257			1.19	1.2
PTX06-1040		11/14/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	7.38	0.257			1.19	2
PTX06-1040		11/14/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	590	12.9		J-	1.19	2
PTX06-1040		11/14/2022	TNT (2,4,6-Trinitrotoluene)	19.4	0.257			1.19	3.6
PTX06-1040		11/14/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	37.1	12.9			1.19	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1041		4/20/2022	2-Amino-4,6-Dinitrotoluene	1.96	0.26			0.4	1.2
PTX06-1041		4/20/2022	4-Amino-2,6-Dinitrotoluene	15.9	2.6			0.4	1.2
PTX06-1041		4/20/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	918	32.4		J	0.4	2
PTX06-1041		4/20/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	4.32	0.26			0.4	2
PTX06-1042	Compliance	4/20/2022	4-Amino-2,6-Dinitrotoluene	2.77	0.26			0.33	1.2
PTX06-1042	Compliance	4/20/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	272	26		J	0.33	2
PTX06-1042	Compliance	4/20/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	6.07	0.26			0.33	2
PTX06-1042	Compliance	11/7/2022	4-Amino-2,6-Dinitrotoluene	1.44	0.265			0.65	1.2
PTX06-1042	Compliance	11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	213	6.64			0.65	2
PTX06-1042	Compliance	11/7/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	6.9	0.265			0.65	2
PTX06-1046	Compliance	5/10/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	101	6.48	*^	J	0.03	2
PTX06-1046	Compliance	5/10/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.27	0.259		J+	0.03	2
PTX06-1046	Compliance	10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	81.9	13	*	J	0.04	2
PTX06-1046	Compliance	10/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	2.87	0.26		J	0.04	2
PTX06-1047A		5/9/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	5.99	0.254		J	0	2
PTX06-1047A		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	4.25	0.257		J	0.01	2
PTX06-1049		7/25/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	9.33	0.643	*F	J-	0.19	2
PTX06-1050	Compliance	2/15/2022	2-Amino-4,6-Dinitrotoluene	2.1	0.26			0.67	1.2
PTX06-1050	Compliance	2/15/2022	4-Amino-2,6-Dinitrotoluene	2.66	0.26			0.67	1.2
PTX06-1050	Compliance	2/15/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	242	6.5		J	0.67	2
PTX06-1050	Compliance	2/15/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	8.62	0.26		J	0.67	2
PTX06-1052	Compliance	2/16/2022	4-Amino-2,6-Dinitrotoluene	1.28	0.262			1.57	1.2
PTX06-1052	Compliance	2/16/2022	Trichloroethene	5.94	1			1.57	5
PTX06-1052	Compliance	4/20/2022	Perchlorate	673	100		J	6.36	15
PTX06-1052	Compliance	6/7/2022	Perchlorate	1010	500		J	0.22	15
PTX06-1052	Compliance	8/9/2022	4-Amino-2,6-Dinitrotoluene	1.87	0.278			0.62	1.2
PTX06-1052	Compliance	8/9/2022	Perchlorate	842	100		J	0.62	15
PTX06-1052	Compliance	8/9/2022	Trichloroethene	6.8	1			0.62	5
PTX06-1053		2/16/2022	4-Amino-2,6-Dinitrotoluene	2.22	0.257			0.87	1.2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1077A		7/25/2022	Trichloroethene	5.02	1			1.28	5
PTX06-1088		5/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	11.9	1.3			0.76	2
PTX06-1088		5/16/2022	Chromium, Total	169	10		J	0.76	100
PTX06-1088		5/16/2022	Chromium, Hexavalent	160.852	2	I	J	0.76	100
PTX06-1088		5/16/2022	Trichloroethene	8.13	1			0.76	5
PTX06-1095A		5/11/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	7.35	0.263	*		2.15	2
PTX06-1095A		5/11/2022	1,2-Dichloroethane	7.03	1			2.15	5
PTX06-1095A		5/11/2022	Trichloroethene	5.52	1			2.15	5
PTX06-1095A		11/14/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	8.2	0.257		J-	1.02	2
PTX06-1095A		11/14/2022	1,2-Dichloroethane	6.11	1			1.02	5
PTX06-1095A		11/14/2022	Trichloroethene	6.96	1			1.02	5
PTX06-1098		2/7/2022	Arsenic	29	2.5			4.58	12
PTX06-1100		2/7/2022	Arsenic	13	2.5			0.57	12
PTX06-1101		2/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	60.4	2.57			2.59	2
PTX06-1120		11/21/2022	2-Amino-4,6-Dinitrotoluene	1.26	0.261			15.9	1.2
PTX06-1120		11/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	306	6.52	*	J	15.9	2
PTX06-1120		11/21/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	16.2	0.261	*	J+	15.9	2
PTX06-1126	Compliance	5/11/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	8.86	0.262			1.17	2
PTX06-1126	Compliance	5/11/2022	Trichloroethene	34.9	1			1.17	5
PTX06-1126	Compliance	11/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	6.94	0.259			1.22	2
PTX06-1126	Compliance	11/16/2022	Chromium, Hexavalent	13377	200	I		1.22	100
PTX06-1126	Compliance	11/16/2022	Trichloroethene	34.6	1		J	1.22	5
PTX06-1127	Compliance	5/17/2022	4-Amino-2,6-Dinitrotoluene	16.8	0.648			9.55	1.2
PTX06-1127	Compliance	5/17/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	171	6.48			9.55	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1127	Compliance	5/17/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	8.68	0.648		J	9.55	2
PTX06-1127	Compliance	5/17/2022	Chromium, Total	218	10			9.55	100
PTX06-1127	Compliance	5/17/2022	Perchlorate	132	100		J	9.55	15
PTX06-1127	Compliance	5/17/2022	1,4-Dioxane	17.2	10			9.55	7.7
PTX06-1127	Compliance	5/17/2022	Trichloroethene	187	4		J	9.55	5
PTX06-1127	Compliance	11/16/2022	4-Amino-2,6-Dinitrotoluene	13	0.26			9.79	1.2
PTX06-1127	Compliance	11/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	168	3.25			9.79	2
PTX06-1127	Compliance	11/16/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	11.5	0.26			9.79	2
PTX06-1127	Compliance	11/16/2022	Chromium, Hexavalent	2102	20			9.79	100
PTX06-1127	Compliance	11/16/2022	Perchlorate	112	20		J	9.79	15
PTX06-1127	Compliance	11/16/2022	1,4-Dioxane	13.2	5			9.79	7.7
PTX06-1127	Compliance	11/16/2022	Trichloroethene	157	2		J	9.79	5
PTX06-1134		4/19/2022	Perchlorate	222	100			5.42	15
PTX06-1134		4/19/2022	Trichloroethene	18	1			5.42	5
PTX06-1134		11/9/2022	4-Amino-2,6-Dinitrotoluene	1.43	0.258			3.84	1.2
PTX06-1134		11/9/2022	Perchlorate	386	100			3.84	15
PTX06-1134		11/9/2022	Trichloroethene	23.4	1			3.84	5
PTX06-1146	Compliance	1/31/2022	4-Amino-2,6-Dinitrotoluene	20	6.52			0	1.2
PTX06-1146	Compliance	1/31/2022	4-Amino-2,6-Dinitrotoluene	19.6	6.47				1.2
PTX06-1146	Compliance	1/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2250	130		J	0	2
PTX06-1146	Compliance	1/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	1600	129		J		2
PTX06-1146	Compliance	1/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	26.4	6.52		J	0	2
PTX06-1146	Compliance	1/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	26	6.47		J		2
PTX06-1146	Compliance	8/9/2022	4-Amino-2,6-Dinitrotoluene	22	5.26			0.03	1.2
PTX06-1146	Compliance	8/9/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2060	65.7		J	0.03	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1146	Compliance	8/9/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	30.6	5.26		J	0.03	2
PTX06-1147		5/10/2022	4-Amino-2,6-Dinitrotoluene	4.24	0.26			0.23	1.2
PTX06-1147		5/10/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	501	26	^	J	0.23	2
PTX06-1147		5/10/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	22.8	3.25			0.23	2
PTX06-1147		11/1/2022	4-Amino-2,6-Dinitrotoluene	3.67	0.26			1	1.2
PTX06-1147		11/1/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	649	65.1		J	1	2
PTX06-1147		11/1/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	26.1	6.51			1	2
PTX06-1148		4/18/2022	Perchlorate	18.1	50	J D		2.61	15
PTX06-1148		4/18/2022	1,4-Dioxane	22.5	1			2.61	7.7
PTX06-1148		4/18/2022	Trichloroethene	14	2.5	*	J-	2.61	5
PTX06-1148		11/8/2022	Perchlorate	54.4	10	D	J		15
PTX06-1148		11/8/2022	1,4-Dioxane	33.6	1				7.7
PTX06-1148		11/8/2022	Trichloroethene	30.5	2.5				5
PTX06-1149		4/18/2022	Arsenic	14	2.5			1.98	12
PTX06-1149		4/18/2022	Perchlorate	49	100	J D		1.98	15
PTX06-1149		4/18/2022	1,4-Dioxane	33.1	1			1.98	7.7
PTX06-1149		4/18/2022	Trichloroethene	55	2.5	*	J-	1.98	5
PTX06-1149		11/8/2022	Perchlorate	74.4	10	D	J		15
PTX06-1149		11/8/2022	1,4-Dioxane	51	1				7.7
PTX06-1149		11/8/2022	Trichloroethene	144	2.5				5
PTX06-1150		4/18/2022	1,4-Dioxane	11.1	1			0.46	7.7
PTX06-1150		4/18/2022	Trichloroethene	22.9	2.5	*	J-	0.46	5
PTX06-1150		11/8/2022	1,4-Dioxane	11.4	1				7.7
PTX06-1150		11/8/2022	Trichloroethene	39	2.5				5
PTX06-1151		2/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2.38	0.258			1.01	2
PTX06-1151		2/23/2022	Perchlorate	26.8	10		J	1.01	15
PTX06-1151		2/23/2022	1,4-Dioxane	14.6	5			1.01	7.7
PTX06-1151		2/23/2022	Trichloroethene	173	4			1.01	5
PTX06-1151		8/15/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	3.14	0.26	*	J-	0.14	2
PTX06-1151		8/15/2022	Perchlorate	38	10		J	0.14	15
PTX06-1151		8/15/2022	1,4-Dioxane	18.2	5			0.14	7.7

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1151		8/15/2022	Trichloroethene	209	4		J	0.14	5
PTX06-1153	Compliance	2/1/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	2.9	0.256			4.71	2
PTX06-1153	Compliance	2/1/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	2.71	0.258				2
PTX06-1153	Compliance	2/1/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	3.26	0.256			4.71	2
PTX06-1153	Compliance	2/1/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	3.24	0.258				2
PTX06-1153	Compliance	2/1/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	309	12.8	*B	J	4.71	2
PTX06-1153	Compliance	2/1/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	339	12.9	B	J		2
PTX06-1153	Compliance	2/1/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	10.6	1.28		J-	4.71	2
PTX06-1153	Compliance	2/1/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	13.1	1.29		J-		2
PTX06-1153	Compliance	11/2/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	211	10.4	D *	J		2
PTX06-1153	Compliance	11/2/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	188	10.4	D *	J		2
PTX06-1153	Compliance	11/2/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	5.58	0.208	D *	J		2
PTX06-1153	Compliance	11/2/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	4.41	0.104	*	J		2
PTX06-1154	Compliance	2/1/2022	Arsenic	180	2.5			8.84	12
PTX06-1154	Compliance	2/1/2022	Barium	11000	25	^ B D		8.84	2000
PTX06-1154	Compliance	11/2/2022	Arsenic	76	2.5				12
PTX06-1154	Compliance	11/2/2022	Barium	12000	75	D ^			2000
PTX06-1155	Compliance	4/19/2022	Arsenic	44	2.5			2.33	12
PTX06-1155	Compliance	4/19/2022	cis-1,2-Dichloroethene	82.5	5	*	J-	2.33	70
PTX06-1155	Compliance	4/19/2022	1,4-Dioxane	42.4	1			2.33	7.7
PTX06-1155	Compliance	4/19/2022	Vinyl Chloride	33	1			2.33	2
PTX06-1155	Compliance	11/7/2022	Arsenic	23	5				12
PTX06-1155	Compliance	11/7/2022	cis-1,2-Dichloroethene	87.5	5		J		70
PTX06-1155	Compliance	11/7/2022	1,4-Dioxane	55.9	1	H	J		7.7
PTX06-1155	Compliance	11/7/2022	Trichloroethene	7.6	2.5		J		5
PTX06-1155	Compliance	11/7/2022	Vinyl Chloride	54.8	1		J		2
PTX06-1156	Compliance	4/19/2022	Arsenic	68	2.5			0.6	12
PTX06-1156	Compliance	4/19/2022	Barium	3300	2.5	^ B	J	0.6	2000

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1156	Compliance	4/19/2022	1,4-Dioxane	46.5	1			0.6	7.7
PTX06-1156	Compliance	4/19/2022	Trichloroethene	7.95	2.5			0.6	5
PTX06-1156	Compliance	11/7/2022	Arsenic	75	5				12
PTX06-1156	Compliance	11/7/2022	Barium	2500	3	^ *	J		2000
PTX06-1156	Compliance	11/7/2022	1,4-Dioxane	56.5	1	H	J		7.7
PTX06-1156	Compliance	11/7/2022	Trichloroethene	43.3	2.5		J		5
PTX06-1159		2/14/2022	4-Amino-2,6-Dinitrotoluene	1.9	0.256			0.26	1.2
PTX06-1159		2/14/2022	Perchlorate	2830	1000		J	0.26	15
PTX06-1159		2/14/2022	Trichloroethene	90.5	1			0.26	5
PTX06-1159		4/25/2022	Perchlorate	262	100			1.63	15
PTX06-1159		8/2/2022	4-Amino-2,6-Dinitrotoluene	1.43	0.264		J	1.71	1.2
PTX06-1159		8/2/2022	Perchlorate	156	100		J+	1.71	15
PTX06-1159		8/2/2022	Trichloroethene	78.3	1		J	1.71	5
PTX06-1164		5/2/2022	Perchlorate	32.7	50	J D *	J	1.51	15
PTX06-1164		5/2/2022	Trichloroethene	128	2.5			1.51	5
PTX06-1164		11/14/2022	Manganese	2000	3.5	B *	J		1715.5
PTX06-1164		11/14/2022	Trichloroethene	23.4	2.5				5
PTX06-1166		2/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	9.54	0.649		J	6.9	2
PTX06-1166		7/25/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	8.66	0.661		J-	1.04	2
PTX06-1169		4/27/2022	Arsenic	70	5			9.3	12
PTX06-1169		4/27/2022	cis-1,2-Dichloroethene	144	10	D *	J-	9.3	70
PTX06-1169		4/27/2022	Trichloroethene	6.97	5	D	J-	9.3	5
PTX06-1169		11/14/2022	Arsenic	62	5		J		12
PTX06-1169		11/14/2022	cis-1,2-Dichloroethene	212	10	D *	J-		70
PTX06-1169		11/14/2022	Trichloroethene	5.31	5	D			5
PTX06-1169		11/14/2022	Vinyl Chloride	4.68	2	D			2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1170		4/27/2022	Arsenic	45	5			2.16	12
PTX06-1170		4/27/2022	Manganese	3300	3.5	* B	J	2.16	1715.5
PTX06-1170		4/27/2022	Vinyl Chloride	17.2	1		J+	2.16	2
PTX06-1170		11/15/2022	Arsenic	77	5		J		12
PTX06-1170		11/15/2022	Manganese	5500	3.5	B *	J		1715.5
PTX06-1170		11/15/2022	Vinyl Chloride	2.59	1	H			2
PTX06-1171		8/3/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	11.7	1.3			6.25	2
PTX06-1171		8/3/2022	Perchlorate	39.7	10		J+	6.25	15
PTX06-1171		8/3/2022	1,2-Dichloroethane	5.1	5			6.25	5
PTX06-1171		8/3/2022	1,4-Dioxane	14.6	5			6.25	7.7
PTX06-1171		8/3/2022	Trichloroethene	297	5			6.25	5
PTX06-1173		4/13/2022	Arsenic	58	2.5			3.64	12
PTX06-1173		4/13/2022	Arsenic	56	2.5				12
PTX06-1173		4/13/2022	1,4-Dioxane	22.2	1	B *	J	3.64	7.7
PTX06-1173		4/13/2022	1,4-Dioxane	17.7	1	B	J		7.7
PTX06-1173		4/13/2022	Vinyl Chloride	6.17	1	F	J	3.64	2
PTX06-1173		4/13/2022	Vinyl Chloride	6.98	1		J		2
PTX06-1173		11/7/2022	Arsenic	66	5				12
PTX06-1173		11/7/2022	1,4-Dioxane	29	1	H	J		7.7
PTX06-1173		11/7/2022	Vinyl Chloride	3.59	1				2
PTX06-1174		4/13/2022	Arsenic	70	2.5			10.7	12
PTX06-1174		11/7/2022	Arsenic	87	5				12
PTX06-1174		11/7/2022	Arsenic	96	2.5		J		12
PTX06-1175		4/13/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	36.2	6.25			2.82	2
PTX06-1175		4/13/2022	Trichloroethene	9.83	2.5	*	J	2.82	5
PTX06-1175		11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	5.03	0.521	D *			2
PTX06-1175		11/7/2022	1,4-Dioxane	8.3	1	H	J		7.7
PTX06-1175		11/7/2022	Vinyl Chloride	8.47	1				2
PTX06-1176		4/27/2022	Arsenic	84	5			4.67	12



Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1176		4/27/2022	Barium	7400	30	D B ^	J	4.67	2000
PTX06-1176		11/15/2022	Arsenic	120	5		J		12
PTX06-1176		11/15/2022	Barium	10000	30	D ^ *	J		2000
PTX06-1177		5/2/2022	Arsenic	140	5			2.82	12
PTX06-1177		5/2/2022	Barium	5400	30	D B	J	2.82	2000
PTX06-1177		5/2/2022	Vinyl Chloride	11.7	1			2.82	2
PTX06-1177		11/14/2022	Arsenic	150	5		J		12
PTX06-1177		11/14/2022	Barium	7600	30	D * ^	J		2000
PTX06-1177		11/14/2022	Vinyl Chloride	11	1				2
PTX06-1180		2/23/2022	Trichloroethene	215	4			2.27	5
PTX06-1180		2/23/2022	Trichloroethene	197	4				5
PTX06-1180		8/15/2022	Trichloroethene	218	4		J	1.46	5
PTX06-1183		4/19/2022	Chromium, Total	379	10		J	0	100
PTX06-1183		4/19/2022	Chromium, Hexavalent	355.231	20	I	J+	0	100
PTX06-1183		4/19/2022	Perchlorate	478	100			0	15
PTX06-1183		6/7/2022	Perchlorate	974	200	F	J	0	15
PTX06-1183		11/9/2022	Chromium, Total	276	10	*	J-	0.09	100
PTX06-1183		11/9/2022	Chromium, Hexavalent	283.269	2	I		0.09	100
PTX06-1183		11/9/2022	Perchlorate	476	100			0.09	15
PTX06-1185		5/9/2022	4-Amino-2,6-Dinitrotoluene	2.4	0.256			0.2	1.2
PTX06-1185		5/9/2022	4-Amino-2,6-Dinitrotoluene	2.63	0.103	*	J	0.2	1.2
PTX06-1185		5/9/2022	4-Amino-2,6-Dinitrotoluene	2.4	0.26	D	J-	0.2	1.2
PTX06-1185		5/9/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	252	12.8	*	J	0.2	2
PTX06-1185		5/9/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	262	10.3	* D	J	0.2	2
PTX06-1185		5/9/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	210	26	D	J	0.2	2
PTX06-1185		11/1/2022	4-Amino-2,6-Dinitrotoluene	2.19	0.256			0.13	1.2
PTX06-1185		11/1/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	171	6.4	*	J	0.13	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1190		5/4/2022	4-Amino-2,6-Dinitrotoluene	8.22	0.26			1.5	1.2
PTX06-1190		5/4/2022	4-Amino-2,6-Dinitrotoluene	8.95	0.515	D		1.5	1.2
PTX06-1190		5/4/2022	4-Amino-2,6-Dinitrotoluene	8.5	0.26	D	J-	1.5	1.2
PTX06-1190		5/4/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	1340	65			1.5	2
PTX06-1190		5/4/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	1360	51.5	D		1.5	2
PTX06-1190		5/4/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	1800	260	D	J-	1.5	2
PTX06-1190		5/4/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	22.1	1.3			1.5	2
PTX06-1190		5/4/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	14.8	0.515	D		1.5	2
PTX06-1190		5/4/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	17	2.6	D	J	1.5	2
PTX06-1190		10/31/2022	4-Amino-2,6-Dinitrotoluene	8.86	0.258			0.51	1.2
PTX06-1190		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	657	64.5		J	0.51	2
PTX06-1190		10/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	22.3	1.29		J	0.51	2
PTX06-1191		3/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	108	6.48	*	J	0.8	2
PTX06-1191		3/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	109	6.49		J	0.8	2
PTX06-1191		8/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	137	10.4	D *	J	1.04	2
PTX06-1191		8/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	140	10.4	D *	J		2
PTX06-1196		2/14/2022	4-Amino-2,6-Dinitrotoluene	2.49	0.26			0.42	1.2
PTX06-1196		2/14/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	14.6	1.3		J-	0.42	2
PTX06-1196		8/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	14.7	1.04	D *	J		2
PTX06-1197		2/21/2022	4-Amino-2,6-Dinitrotoluene	2.51	0.261			1.75	1.2
PTX06-1197		2/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	203	13.1	*F^	J	1.75	2
PTX06-1197		2/21/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	2.16	0.261	^		1.75	2
PTX06-1197		7/20/2022	4-Amino-2,6-Dinitrotoluene	1.75	0.261			5.51	1.2
PTX06-1197		7/20/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	277	13	*	J	5.51	2
PTX06-1197		7/20/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.28	0.261			5.51	2
PTX06-1199		1/25/2022	4-Amino-2,6-Dinitrotoluene	1.82	0.25			0.06	1.2
PTX06-1199		1/25/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	7.32	0.25			0.06	2
PTX06-1199		7/26/2022	4-Amino-2,6-Dinitrotoluene	1.82	0.258			0.05	1.2
PTX06-1199		7/26/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	7.05	0.258			0.05	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1201		1/17/2022	4-Amino-2,6-Dinitrotoluene	2.14	0.25			0.26	1.2
PTX06-1201		1/17/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	24.4	1.25			0.26	2
PTX06-1201		7/26/2022	4-Amino-2,6-Dinitrotoluene	1.84	0.262			0.8	1.2
PTX06-1201		7/26/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	19.4	1.31			0.8	2
PTX06-1203		1/17/2022	4-Amino-2,6-Dinitrotoluene	6.99	0.25			0	1.2
PTX06-1203		1/17/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	318	12.5			0	2
PTX06-1203		1/17/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.82	0.25			0	2
PTX06-1203		7/27/2022	4-Amino-2,6-Dinitrotoluene	4.96	0.262			0.14	1.2
PTX06-1203		7/27/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	229	26.2	^	J-	0.14	2
PTX06-1203		7/27/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	5.45	0.262			0.14	2
PTX06-1207		4/19/2022	4-Amino-2,6-Dinitrotoluene	4.58	0.259			0.11	1.2
PTX06-1207		4/19/2022	Perchlorate	21.6	5			0.11	15
PTX06-1207		11/9/2022	4-Amino-2,6-Dinitrotoluene	5.31	0.261			0.34	1.2
PTX06-1207		11/9/2022	Perchlorate	25.1	10			0.34	15
PTX06-1209		5/2/2022	Arsenic	29	5			9.33	12
PTX06-1209		5/2/2022	Manganese	3000	3.5	* B	J	9.33	1715.5
PTX06-1209		5/2/2022	cis-1,2-Dichloroethene	158	5			9.33	70
PTX06-1209		5/2/2022	Trichloroethene	12.3	2.5			9.33	5
PTX06-1209		11/15/2022	Arsenic	80	5		J		12
PTX06-1209		11/15/2022	Manganese	12000	35	* B D	J		1715.5
PTX06-1209		11/15/2022	cis-1,2-Dichloroethene	100	20	D			70
PTX06-1209		11/15/2022	Vinyl Chloride	2.87	4	J D			2
PTX06-1209		12/7/2022	1,4-Dioxane	11.7	1				7.7
PTX06-1210		5/2/2022	Arsenic	200	5			9.5	12
PTX06-1210		5/2/2022	Trichloroethene	11.2	2.5			9.5	5
PTX06-1210		11/15/2022	Arsenic	220	5		J		12

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1210		11/15/2022	Barium	6400	300	D ^ *	J		2000
PTX06-1210		11/15/2022	Manganese	2100	3.5	B *	J		1715.5
PTX06-1210		12/7/2022	1,4-Dioxane	9.82	1				7.7
PTX06-1211		4/25/2022	4-Amino-2,6-Dinitrotoluene	3.04	0.275			8.62	1.2
PTX06-1211		4/25/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	30	1.37	^	J+	8.62	2
PTX06-1211		4/25/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	8.07	0.275		J	8.62	2
PTX06-1211		4/25/2022	Manganese	2210	50	D		8.62	1715.5
PTX06-1211		4/25/2022	1,4-Dioxane	10.9	10		J-	8.62	7.7
PTX06-1211		4/25/2022	Trichloroethene	213	4			8.62	5
PTX06-1211		11/16/2022	4-Amino-2,6-Dinitrotoluene	2.77	0.261			18.4	1.2
PTX06-1211		11/16/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	2.66	0.261			18.4	2
PTX06-1211		11/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	60.2	1.3			18.4	2
PTX06-1211		11/16/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	12.8	0.261			18.4	2
PTX06-1211		11/16/2022	Chromium, Total	107	10			18.4	100
PTX06-1211		11/16/2022	1,4-Dioxane	9.08	1			18.4	7.7
PTX06-1211		11/16/2022	Trichloroethene	139	2		J	18.4	5
PTX06-1213		2/15/2022	Arsenic	180	5			6.23	12
PTX06-1213		2/15/2022	Barium	8400	5	* ^ D	J	6.23	2000
PTX06-1213		11/9/2022	Arsenic	270	5				12
PTX06-1213		11/9/2022	Barium	14000	150	D * ^	J		2000
PTX06-1214		2/15/2022	Arsenic	170	10			9.8	12
PTX06-1214		2/15/2022	Barium	6300	10	* ^ D	J	9.8	2000
PTX06-1214		11/9/2022	Arsenic	230	5				12
PTX06-1214		11/9/2022	Barium	6700	150	D * ^	J		2000

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1218		11/1/2022	4-Amino-2,6-Dinitrotoluene	2.03	0.102		J-		1.2
PTX06-1218		11/1/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	14.9	1.02	D			2
PTX06-1219		11/1/2022	4-Amino-2,6-Dinitrotoluene	3.84	0.104		J-		1.2
PTX06-1219		11/1/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	443	10.4	D			2
PTX06-1219		11/1/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.05	0.104				2
PTX06-EW-1		5/16/2022	2-Amino-4,6-Dinitrotoluene	4.33	0.258				1.2
PTX06-EW-1		5/16/2022	4-Amino-2,6-Dinitrotoluene	2.36	0.258				1.2
PTX06-EW-1		5/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	287	64.6				2
PTX06-EW-1		5/16/2022	1,3,5-Trinitrobenzene	798	64.6				220
PTX06-EW-1		5/16/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	11.3	3.23		J		2
PTX06-EW-1		5/16/2022	Trichloroethene	13	1	*			5
PTX06-EW-10		5/16/2022	Chromium, Total	310	10				100
PTX06-EW-10		5/16/2022	Chromium, Hexavalent	291.826		I	J		100
PTX06-EW-10		5/16/2022	Perchlorate	357	500	J D *	J		15
PTX06-EW-16		5/18/2022	2-Amino-4,6-Dinitrotoluene	2.17	0.263				1.2
PTX06-EW-16		5/18/2022	4-Amino-2,6-Dinitrotoluene	12.4	1.32				1.2
PTX06-EW-16		5/18/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	238	13.2	*			2
PTX06-EW-16		5/18/2022	TNT (2,4,6-Trinitrotoluene)	20.3	1.32				3.6
PTX06-EW-16		5/18/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	8.31	1.32				2
PTX06-EW-17		5/4/2022	2-Amino-4,6-Dinitrotoluene	2.87	0.26				1.2
PTX06-EW-17		5/4/2022	4-Amino-2,6-Dinitrotoluene	8.72	0.26				1.2
PTX06-EW-17		5/4/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	127	6.49				2
PTX06-EW-17		5/4/2022	TNT (2,4,6-Trinitrotoluene)	18.4	1.3				3.6
PTX06-EW-17		5/4/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	6.55	0.26				2
PTX06-EW-18		5/4/2022	2-Amino-4,6-Dinitrotoluene	2.44	0.258				1.2
PTX06-EW-18		5/4/2022	4-Amino-2,6-Dinitrotoluene	6.85	0.258				1.2
PTX06-EW-18		5/4/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	98	6.45				2
PTX06-EW-18		5/4/2022	TNT (2,4,6-Trinitrotoluene)	10.3	1.29				3.6
PTX06-EW-18		5/4/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	4.79	0.258				2
PTX06-EW-19		5/4/2022	2-Amino-4,6-Dinitrotoluene	4.04	0.26				1.2
PTX06-EW-19		5/4/2022	4-Amino-2,6-Dinitrotoluene	2.67	0.26				1.2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-19		5/4/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	47.7	2.6				2
PTX06-EW-19		5/4/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.04	0.26				2
PTX06-EW-2		6/28/2022	2-Amino-4,6-Dinitrotoluene	4.94	0.25				1.2
PTX06-EW-2		6/28/2022	4-Amino-2,6-Dinitrotoluene	2.84	0.25				1.2
PTX06-EW-2		6/28/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	325	31.3		J		2
PTX06-EW-2		6/28/2022	1,3,5-Trinitrobenzene	859	31.3				220
PTX06-EW-2		6/28/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	12.2	0.625				2
PTX06-EW-20		5/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	38.4	1.34	*^	J		2
PTX06-EW-22A		5/31/2022	4-Amino-2,6-Dinitrotoluene	1.77	0.258				1.2
PTX06-EW-22A		5/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	53.4	2.58	^	J		2
PTX06-EW-22A		5/31/2022	TNT (2,4,6-Trinitrotoluene)	4.34	0.258				3.6
PTX06-EW-22A		5/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.04	0.258				2
PTX06-EW-23A		11/7/2022	2-Amino-4,6-Dinitrotoluene	1.68	0.257				1.2
PTX06-EW-23A		11/7/2022	4-Amino-2,6-Dinitrotoluene	4.72	0.257				1.2
PTX06-EW-23A		11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	278	5.14				2
PTX06-EW-23A		11/7/2022	TNT (2,4,6-Trinitrotoluene)	12.3	0.257				3.6
PTX06-EW-23A		11/7/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	9.61	0.257				2
PTX06-EW-24		5/16/2022	2-Amino-4,6-Dinitrotoluene	6.43	0.261				1.2
PTX06-EW-24		5/16/2022	4-Amino-2,6-Dinitrotoluene	5.96	0.261				1.2
PTX06-EW-24		5/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	597	32.6				2
PTX06-EW-24		5/16/2022	1,3,5-Trinitrobenzene	382	32.6				220
PTX06-EW-24		5/16/2022	TNT (2,4,6-Trinitrotoluene)	3.66	0.261				3.6
PTX06-EW-24		5/16/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	18.7	6.52		J		2
PTX06-EW-24		5/16/2022	Chromium, Total	410	10	B			100
PTX06-EW-24		5/16/2022	Chromium, Hexavalent	370.337		I	J		100
PTX06-EW-24		5/16/2022	Trichloroethene	27.8	1	*			5
PTX06-EW-25		5/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	34.4	6.72	^	J		2
PTX06-EW-26		6/28/2022	4-Amino-2,6-Dinitrotoluene	1.95	0.25				1.2
PTX06-EW-26		6/28/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	118	6.25	*	J		2
PTX06-EW-26		6/28/2022	TNT (2,4,6-Trinitrotoluene)	8.48	0.25	*	J-		3.6
PTX06-EW-26		6/28/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	4.38	0.25				2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-27		5/18/2022	2-Amino-4,6-Dinitrotoluene	2.74	0.263				1.2
PTX06-EW-27		5/18/2022	4-Amino-2,6-Dinitrotoluene	13.1	2.63				1.2
PTX06-EW-27		5/18/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	754	65.8	^	J		2
PTX06-EW-27		5/18/2022	TNT (2,4,6-Trinitrotoluene)	3.82	0.263				3.6
PTX06-EW-27		5/18/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	16.3	2.63				2
PTX06-EW-28		5/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	7.22	0.26				2
PTX06-EW-28		5/16/2022	Chromium, Total	120	10	B			100
PTX06-EW-28		5/16/2022	Chromium, Hexavalent	111.554		I	J		100
PTX06-EW-28		5/16/2022	Trichloroethene	6.77	1	*			5
PTX06-EW-30		11/7/2022	2-Amino-4,6-Dinitrotoluene	3.47	0.256				1.2
PTX06-EW-30		11/7/2022	4-Amino-2,6-Dinitrotoluene	6.67	0.256				1.2
PTX06-EW-30		11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	126	25.6				2
PTX06-EW-30		11/7/2022	TNT (2,4,6-Trinitrotoluene)	13.4	0.256				3.6
PTX06-EW-30		11/7/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	18.5	0.641				2
PTX06-EW-30		11/7/2022	Chromium, Hexavalent	106.204	2	I			100
PTX06-EW-31		11/7/2022	2-Amino-4,6-Dinitrotoluene	1.26	0.26				1.2
PTX06-EW-31		11/7/2022	4-Amino-2,6-Dinitrotoluene	3.89	0.26				1.2
PTX06-EW-31		11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	140	5.2				2
PTX06-EW-31		11/7/2022	TNT (2,4,6-Trinitrotoluene)	14.3	0.26				3.6
PTX06-EW-31		11/7/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	8.05	0.26				2
PTX06-EW-31		11/7/2022	Chromium, Total	180	10				100
PTX06-EW-31		11/7/2022	Chromium, Hexavalent	184.484	2	I			100
PTX06-EW-32		10/31/2022	2-Amino-4,6-Dinitrotoluene	4.18	0.266				1.2
PTX06-EW-32		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	105	6.64		J		2
PTX06-EW-32		10/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	6.9	0.266		J		2
PTX06-EW-34		10/31/2022	2-Amino-4,6-Dinitrotoluene	4.22	0.269				1.2
PTX06-EW-34		10/31/2022	4-Amino-2,6-Dinitrotoluene	3.78	0.269				1.2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-34		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	501	26.9		J		2
PTX06-EW-34		10/31/2022	TNT (2,4,6-Trinitrotoluene)	7.11	0.269				3.6
PTX06-EW-34		10/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	26.8	2.69		J		2
PTX06-EW-35		5/23/2022	2-Amino-4,6-Dinitrotoluene	3.63	0.272				1.2
PTX06-EW-35		5/23/2022	4-Amino-2,6-Dinitrotoluene	20.7	2.72				1.2
PTX06-EW-35		5/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	971	67.9		J		2
PTX06-EW-35		5/23/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	9.92	2.72		J		2
PTX06-EW-36		5/11/2022	2-Amino-4,6-Dinitrotoluene	2.47	0.262				1.2
PTX06-EW-36		5/11/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	128	13.1				2
PTX06-EW-36		5/11/2022	1,3,5-Trinitrobenzene	276	13.1		J		220
PTX06-EW-37		11/8/2022	Perchlorate	39.9	10	D *	J		15
PTX06-EW-38C		5/11/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2.87	0.256				2
PTX06-EW-38C		11/8/2022	Perchlorate	28.4	10	D *	J		15
PTX06-EW-39		5/10/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	17	1.29				2
PTX06-EW-39		5/10/2022	Trichloroethene	5.37	1				5
PTX06-EW-40		5/11/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	22.7	1.29				2
PTX06-EW-40		5/11/2022	TNT (2,4,6-Trinitrotoluene)	4.51	0.259				3.6
PTX06-EW-41		5/11/2022	4-Amino-2,6-Dinitrotoluene	1.72	0.257				1.2
PTX06-EW-41		5/11/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	53.7	3.22				2
PTX06-EW-41		5/11/2022	TNT (2,4,6-Trinitrotoluene)	9.82	0.257				3.6
PTX06-EW-42A		5/11/2022	2-Amino-4,6-Dinitrotoluene	1.46	0.26				1.2
PTX06-EW-42A		5/11/2022	4-Amino-2,6-Dinitrotoluene	2.36	0.26				1.2
PTX06-EW-42A		5/11/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	81.7	3.25				2
PTX06-EW-42A		5/11/2022	TNT (2,4,6-Trinitrotoluene)	12.5	0.65				3.6
PTX06-EW-43		5/23/2022	2-Amino-4,6-Dinitrotoluene	1.99	0.263				1.2
PTX06-EW-43		5/23/2022	4-Amino-2,6-Dinitrotoluene	4.45	0.263				1.2
PTX06-EW-43		5/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	568	26.3		J		2
PTX06-EW-43		5/23/2022	TNT (2,4,6-Trinitrotoluene)	20.3	1.32				3.6
PTX06-EW-43		5/23/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	6.09	1.32		J		2



Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-44		5/10/2022	2-Amino-4,6-Dinitrotoluene	2.65	0.257				1.2
PTX06-EW-44		5/10/2022	4-Amino-2,6-Dinitrotoluene	4.35	0.257				1.2
PTX06-EW-44		5/10/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	456	25.7	^	J-		2
PTX06-EW-44		5/10/2022	TNT (2,4,6-Trinitrotoluene)	17	3.22				3.6
PTX06-EW-44		5/10/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	8.48	0.257		J		2
PTX06-EW-44		5/10/2022	Trichloroethene	20.4	1				5
PTX06-EW-45		5/23/2022	2-Amino-4,6-Dinitrotoluene	2.04	0.275				1.2
PTX06-EW-45		5/23/2022	4-Amino-2,6-Dinitrotoluene	5.72	0.275				1.2
PTX06-EW-45		5/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	684	27.5		J		2
PTX06-EW-45		5/23/2022	TNT (2,4,6-Trinitrotoluene)	15.9	1.37				3.6
PTX06-EW-45		5/23/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	15.8	1.37		J		2
PTX06-EW-46		5/23/2022	2-Amino-4,6-Dinitrotoluene	2.41	0.258				1.2
PTX06-EW-46		5/23/2022	4-Amino-2,6-Dinitrotoluene	3.73	0.258				1.2
PTX06-EW-46		5/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	985	25.8		J		2
PTX06-EW-46		5/23/2022	TNT (2,4,6-Trinitrotoluene)	8.96	0.258				3.6
PTX06-EW-46		5/23/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	30.4	1.29		J		2
PTX06-EW-48		10/31/2022	2-Amino-4,6-Dinitrotoluene	2.05	0.263				1.2
PTX06-EW-48		10/31/2022	4-Amino-2,6-Dinitrotoluene	3.53	0.263				1.2
PTX06-EW-48		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	625	26.3		J		2
PTX06-EW-48		10/31/2022	TNT (2,4,6-Trinitrotoluene)	4.8	0.263				3.6
PTX06-EW-48		10/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	33.5	2.63		J		2
PTX06-EW-49		5/23/2022	2-Amino-4,6-Dinitrotoluene	3.08	0.25				1.2
PTX06-EW-49		5/23/2022	4-Amino-2,6-Dinitrotoluene	1.72	0.25				1.2
PTX06-EW-49		5/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	860	25	*	J		2
PTX06-EW-49		5/23/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	33.2	25	*	J		2
PTX06-EW-50		5/23/2022	2-Amino-4,6-Dinitrotoluene	2.36	0.26				1.2
PTX06-EW-50		5/23/2022	4-Amino-2,6-Dinitrotoluene	22	1.3				1.2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-50		5/23/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	31.3	1.3				2
PTX06-EW-50		5/23/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	9.13	0.26				2
PTX06-EW-50		5/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	1120	65.1		J		2
PTX06-EW-50		5/23/2022	TNT (2,4,6-Trinitrotoluene)	27.7	1.3				3.6
PTX06-EW-50		5/23/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	161	65.1		J		2
PTX06-EW-51		5/10/2022	Chromium, Total	210	10				100
PTX06-EW-51		5/10/2022	Chromium, Hexavalent	197.669	20	I			100
PTX06-EW-51		5/10/2022	Perchlorate	146	200	J D *	J		15
PTX06-EW-54		5/18/2022	2-Amino-4,6-Dinitrotoluene	3.91	0.263				1.2
PTX06-EW-54		5/18/2022	4-Amino-2,6-Dinitrotoluene	32.1	6.58				1.2
PTX06-EW-54		5/18/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	5.81	0.263				2
PTX06-EW-54		5/18/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	677	32.9	^	J		2
PTX06-EW-54		5/18/2022	TNT (2,4,6-Trinitrotoluene)	35.1	6.58				3.6
PTX06-EW-54		5/18/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	49.8	6.58				2
PTX06-EW-55		5/18/2022	2-Amino-4,6-Dinitrotoluene	2.23	0.263				1.2
PTX06-EW-55		5/18/2022	4-Amino-2,6-Dinitrotoluene	18.1	6.58				1.2
PTX06-EW-55		5/18/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	6.54	0.263				2
PTX06-EW-55		5/18/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	581	32.9	^	J		2
PTX06-EW-55		5/18/2022	TNT (2,4,6-Trinitrotoluene)	23.4	6.58				3.6
PTX06-EW-55		5/18/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	50.8	6.58				2
PTX06-EW-57		5/18/2022	2-Amino-4,6-Dinitrotoluene	3.76	0.266				1.2
PTX06-EW-57		5/18/2022	4-Amino-2,6-Dinitrotoluene	16.4	2.66				1.2
PTX06-EW-57		5/18/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	955	66.5	^	J		2
PTX06-EW-57		5/18/2022	TNT (2,4,6-Trinitrotoluene)	7.94	0.266				3.6
PTX06-EW-57		5/18/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	14.9	2.66				2
PTX06-EW-58		6/29/2022	2-Amino-4,6-Dinitrotoluene	3.13	0.263		J		1.2
PTX06-EW-58		6/29/2022	4-Amino-2,6-Dinitrotoluene	20.1	2.63		J		1.2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-58		6/29/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	4.19	0.263				2
PTX06-EW-58		6/29/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	805	32.9				2
PTX06-EW-58		6/29/2022	TNT (2,4,6-Trinitrotoluene)	27.4	2.63		J		3.6
PTX06-EW-58		6/29/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	27.8	2.63	^	J+		2
PTX06-EW-59		6/29/2022	2-Amino-4,6-Dinitrotoluene	5.64	0.269		J		1.2
PTX06-EW-59		6/29/2022	4-Amino-2,6-Dinitrotoluene	19.4	2.69		J		1.2
PTX06-EW-59		6/29/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	4.28	0.269				2
PTX06-EW-59		6/29/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	468	33.6				2
PTX06-EW-59		6/29/2022	TNT (2,4,6-Trinitrotoluene)	24.6	2.69		J		3.6
PTX06-EW-59		6/29/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	23.4	2.69	^	J+		2
PTX06-EW-60		6/29/2022	2-Amino-4,6-Dinitrotoluene	1.33	0.263		J		1.2
PTX06-EW-60		6/29/2022	4-Amino-2,6-Dinitrotoluene	5.56	0.263		J		1.2
PTX06-EW-60		6/29/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	124	6.58				2
PTX06-EW-60		6/29/2022	TNT (2,4,6-Trinitrotoluene)	12.8	1.32		J		3.6
PTX06-EW-60		6/29/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	9.18	1.32				2
PTX06-EW-61		11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	86.6	2.57				2
PTX06-EW-61		11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	84.2	2.6				2
PTX06-EW-61		11/7/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.48	0.257				2
PTX06-EW-61		11/7/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.25	0.26				2
PTX06-EW-62		6/28/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	15.7	0.625		J		2
PTX06-EW-62		6/28/2022	TNT (2,4,6-Trinitrotoluene)	6.5	0.25		J-		3.6
PTX06-EW-63		11/7/2022	4-Amino-2,6-Dinitrotoluene	1.87	0.254				1.2
PTX06-EW-63		11/7/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	66.1	2.54				2
PTX06-EW-63		11/7/2022	TNT (2,4,6-Trinitrotoluene)	9.19	0.254				3.6
PTX06-EW-63		11/7/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	2.47	0.254				2
PTX06-EW-66		5/16/2022	2-Amino-4,6-Dinitrotoluene	1.5	0.27				1.2
PTX06-EW-66		5/16/2022	2-Amino-4,6-Dinitrotoluene	1.65	0.272				1.2
PTX06-EW-66		5/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	42.4	2.7				2
PTX06-EW-66		5/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	40.1	27.2				2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-66		5/16/2022	1,3,5-Trinitrobenzene	254	27.2				220
PTX06-EW-67		5/10/2022	Chromium, Total	290	10				100
PTX06-EW-67		5/10/2022	Chromium, Hexavalent	268.142	200	I			100
PTX06-EW-67		5/10/2022	Perchlorate	154	200	J D *	J		15
PTX06-EW-68		5/10/2022	Chromium, Total	310	10				100
PTX06-EW-68		5/10/2022	Chromium, Hexavalent	307.417	200	I			100
PTX06-EW-68		5/10/2022	Perchlorate	111	200	J D *	J		15
PTX06-EW-88		12/5/2022	4-Amino-2,6-Dinitrotoluene	3.15	0.259				1.2
PTX06-EW-88		12/5/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	308	6.48		J		2
PTX06-EW-9		5/10/2022	Chromium, Total	140	10				100
PTX06-EW-9		5/10/2022	Chromium, Hexavalent	141.298	20	I			100
PTX06-EW-9		5/10/2022	Perchlorate	16.4	20	J D *	J		15
PTX06-ISB021		8/30/2022	Arsenic	130	2.5			31.6	12
PTX06-ISB021		8/30/2022	Manganese	2800	1.8	* B	J	31.6	1715.5
PTX06-ISB030B		2/8/2022	Arsenic	120	5			11.2	12
PTX06-ISB030B		2/8/2022	Barium	3000	15	* ^ D	J	11.2	2000
PTX06-ISB030B		8/30/2022	Arsenic	77	2.5			50.6	12
PTX06-ISB030B		8/30/2022	Barium	3300	1.5	^ *	J	50.6	2000
PTX06-ISB030B		8/30/2022	Manganese	2000	1.8	* B	J	50.6	1715.5
PTX06-ISB038		2/9/2022	Arsenic	130	2.5			13.4	12
PTX06-ISB038		2/9/2022	Barium	4700	1.5	^ * B	J	13.4	2000
PTX06-ISB042		8/30/2022	Manganese	2800	18	D *	J	1.65	1715.5
PTX06-ISB046		2/9/2022	Arsenic	93	2.5			9.3	12
PTX06-ISB046		8/31/2022	Arsenic	240	13	D		39.2	12
PTX06-ISB048		2/9/2022	Arsenic	37	2.5			12.3	12
PTX06-ISB048		2/9/2022	Nitrate As N	43220	700	I		12.3	10000
PTX06-ISB048		8/31/2022	Arsenic	110	13	D		14.5	12
PTX06-ISB055		3/29/2022	Arsenic	33	25	D		52.5	12
PTX06-ISB055		3/29/2022	Manganese	53000	18	* B D	J	52.5	1715.5
PTX06-ISB055		11/21/2022	Arsenic	74	5				12

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-ISB055		11/21/2022	Manganese	19000	180	* B D	J		1715.5
PTX06-ISB059		4/4/2022	Arsenic	25	25	D		68.2	12
PTX06-ISB059		4/4/2022	Manganese	13000	18	* B D	J	68.2	1715.5
PTX06-ISB059		11/21/2022	Arsenic	23	5				12
PTX06-ISB059		11/21/2022	Barium	2100	3	^ *	J		2000
PTX06-ISB059		11/21/2022	Manganese	23000	180	* B D	J		1715.5
PTX06-ISB064		4/4/2022	Arsenic	40	25	D		30.7	12
PTX06-ISB064		11/21/2022	Arsenic	43	5				12
PTX06-ISB075		4/26/2022	Arsenic	190	5			3.56	12
PTX06-ISB075		4/26/2022	Vinyl Chloride	13.2	1			3.56	2
PTX06-ISB075		11/15/2022	Arsenic	250	5		J		12
PTX06-ISB075		11/15/2022	Vinyl Chloride	5.05	1	H			2
PTX06-ISB079		4/26/2022	Arsenic	33	5			78.5	12
PTX06-ISB079		11/15/2022	Arsenic	24	5		J		12
PTX06-ISB082		4/26/2022	Arsenic	49	5			13.3	12
PTX06-ISB082		11/15/2022	Arsenic	58	5		J		12
PTX06-ISB133		3/28/2022	Manganese	21000	18	D * B	J	83.3	1715.5
PTX06-ISB133		11/21/2022	Arsenic	25	5				12
PTX06-ISB133		11/21/2022	Manganese	21000	180	* B D	J		1715.5
PTX06-ISB135		3/28/2022	Arsenic	44	25	D		97.6	12
PTX06-ISB135		3/28/2022	Manganese	27000	18	* B D	J	97.6	1715.5
PTX06-ISB135		11/21/2022	Arsenic	60	5				12

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-ISB135		11/21/2022	Manganese	21000	180	* B D	J		1715.5
PTX06-ISB137		3/28/2022	Arsenic	18	25	J D		94.9	12
PTX06-ISB137		3/28/2022	Manganese	35000	18	* B D	J	94.9	1715.5
PTX06-ISB137		11/21/2022	Arsenic	35	5				12
PTX06-ISB137		11/21/2022	Manganese	32000	180	* B D	J		1715.5
PTX06-ISB302		2/28/2022	Arsenic	56	10			43.4	12
PTX06-ISB302		2/28/2022	Manganese	12000	200	D B *		43.4	1715.5
PTX06-ISB302		12/6/2022	Arsenic	120	5				12
PTX06-ISB302		12/6/2022	Manganese	18000	18	* D	J		1715.5
PTX06-ISB307		2/28/2022	Arsenic	130	10			26.4	12
PTX06-ISB307		2/28/2022	Manganese	3300	4	B *		26.4	1715.5
PTX06-ISB307		12/6/2022	Arsenic	110	5				12
PTX06-ISB307		12/6/2022	Manganese	23000	18	* D	J		1715.5
PTX06-ISB317		2/28/2022	Arsenic	25	10			54.1	12
PTX06-ISB317		2/28/2022	Manganese	30000	200	D * B		54.1	1715.5
PTX06-ISB317		12/6/2022	Arsenic	76	5				12
PTX06-ISB317		12/6/2022	Manganese	33000	18	* D	J		1715.5
PTX06-ISB321		2/22/2022	Arsenic	150	10			31.9	12
PTX06-ISB321		11/30/2022	Arsenic	62	5				12
PTX06-ISB321		11/30/2022	Manganese	46000	18	D *	J		1715.5
PTX06-ISB325		2/22/2022	Arsenic	53	10			62.2	12
PTX06-ISB325		2/22/2022	Manganese	56000	200	D B *		62.2	1715.5
PTX06-ISB325		11/30/2022	Arsenic	99	5				12
PTX06-ISB325		11/30/2022	Manganese	33000	18	D *	J		1715.5
PTX06-ISB329		2/21/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	44.2	1.25		J	86.1	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-ISB329		2/21/2022	Manganese	6600	2	* B	J	86.1	1715.5
PTX06-ISB329		11/29/2022	Arsenic	70	5				12
PTX06-ISB329		11/29/2022	Manganese	57000	180	D *	J		1715.5
PTX06-ISB331		2/21/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	3.53	0.26	^	J	0.31	2
PTX06-ISB331		11/29/2022	Arsenic	130	5				12
PTX06-ISB331		11/29/2022	Manganese	11000	18	D *	J		1715.5
PTX06-ISB417		8/23/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2.69	0.526	* F D	J	0.89	2
PTX06-ISB427		10/31/2022	4-Amino-2,6-Dinitrotoluene	2.4	0.106		J-		1.2
PTX06-ISB427		10/31/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	7.33	0.212	D			2
PTX06-ISB427		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	435	10.6	D			2
PTX06-ISB427		10/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	5.09	0.106				2
PTX06-ISB431		10/31/2022	4-Amino-2,6-Dinitrotoluene	3.92	0.105		J		1.2
PTX06-ISB431		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	13	1.05	D	J+		2
PTX06-ISB440		10/31/2022	DNX (Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine)	4.83	0.104				2
PTX06-ISB440		10/31/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	8.93	0.208	D			2
PTX06-ISB440		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	43.5	5.2	D			2
PTX06-ISB440		10/31/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	6.58	0.208	D			2
PTX06-MEW401		8/24/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	2.83	0.104			11	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-MEW401		8/24/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	46.9	2.08	* D	J	11	2
PTX06-MEW402		8/24/2022	4-Amino-2,6-Dinitrotoluene	1.32	0.104	*	J	0.93	1.2
PTX06-MEW402		8/24/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	2.53	0.104			0.93	2
PTX06-MEW402		8/24/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	300	10.4	* D	J	0.93	2
PTX06-MEW402		8/24/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.62	0.104	*	J	0.93	2
PTX06-MEW403		8/24/2022	4-Amino-2,6-Dinitrotoluene	4.77	0.103	*	J	60.8	1.2
PTX06-MEW403		8/24/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	239	5.17	* D	J	60.8	2
PTX06-MEW403		8/24/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.49	0.103	*	J	60.8	2
PTX06-MEW405		8/24/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	145	5.22	* D	J	29.6	2
PTX06-REC401A		6/8/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2.05	0.265		J		2
PTX06-REC402		3/16/2022	4-Amino-2,6-Dinitrotoluene	1.32	0.261				1.2
PTX06-REC402		3/16/2022	4-Amino-2,6-Dinitrotoluene	1.3	0.266				1.2
PTX06-REC403		3/16/2022	4-Amino-2,6-Dinitrotoluene	2.99	0.265				1.2
PTX06-REC403		3/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	10.9	1.33				2
PTX06-REC403		10/25/2022	4-Amino-2,6-Dinitrotoluene	1.85	0.106		J-		1.2
PTX06-REC403		10/25/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	5.54	0.53	D *	J-		2
PTX06-REC404		6/8/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	12.5	0.668		J		2
PTX06-REC404		10/25/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	3.25	0.107	*	J-		2
PTX06-REC416		12/14/2022	4-Amino-2,6-Dinitrotoluene	4.71	0.104				1.2



Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-REC416		12/14/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	127	5.21	D			2
PTX06-REC433		12/14/2022	4-Amino-2,6-Dinitrotoluene	3.24	0.104				1.2
PTX06-REC433		12/14/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	140	5.18	D			2
PTX06-REC436		12/14/2022	4-Amino-2,6-Dinitrotoluene	3.05	0.105				1.2
PTX06-REC436		12/14/2022	MNX (Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine)	3.62	0.105				2
PTX06-REC436		12/14/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	348	10.5	D			2
PTX06-REC436		12/14/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	3.55	0.105				2
PTX06-REC445		10/31/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	38.8	5.24	D			2
PTX07-1003		8/3/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	25.4	1.29			0.47	2
PTX07-1003		8/3/2022	TNX (Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine)	2.03	0.259			0.47	2
PTX07-1P02	Compliance	11/15/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	8.36	0.258	*	J-	0.18	2
PTX08-1001		5/3/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	3.74	0.261			0.59	2
PTX08-1002		11/15/2022	4-Amino-2,6-Dinitrotoluene	1.3	0.262			1.85	1.2
PTX08-1002		11/15/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	17.9	0.262		J-	1.85	2
PTX08-1005		2/22/2022	1,4-Dioxane	14	5			0.54	7.7
PTX08-1005		2/22/2022	Trichloroethene	24.4	1			0.54	5
PTX08-1006		2/22/2022	2-Amino-4,6-Dinitrotoluene	1.55	0.258			1.28	1.2
PTX08-1006		2/22/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	9.93	0.258			1.28	2
PTX08-1006		2/22/2022	Perchlorate	36.8	10	H	J	1.28	15
PTX08-1006		2/22/2022	Trichloroethene	45.1	1			1.28	5
PTX08-1006		8/15/2022	2-Amino-4,6-Dinitrotoluene	1.53	0.262			0.14	1.2
PTX08-1006		8/15/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	9	0.262		J-	0.14	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX08-1006		8/15/2022	Perchlorate	36.7	10		J	0.14	15
PTX08-1006		8/15/2022	Trichloroethene	42	1		J	0.14	5
PTX08-1007		5/16/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2.84	0.264			0.1	2
PTX08-1007		5/16/2022	1,2-Dichloroethane	88.7	2			0.1	5
PTX08-1007		5/16/2022	1,4-Dioxane	29	10			0.1	7.7
PTX08-1007		5/16/2022	Trichloroethene	14.6	1			0.1	5
PTX08-1007		5/16/2022	Chloroform	94.7	1			0.1	80
PTX08-1008		5/17/2022	4-Amino-2,6-Dinitrotoluene	5.52	0.258			0.03	1.2
PTX08-1008		5/17/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	4.77	0.258			0.03	2
PTX08-1008		5/17/2022	Perchlorate	370	100		J	0.03	15
PTX08-1008		5/17/2022	1,4-Dioxane	8.68	2			0.03	7.7
PTX08-1008		11/9/2022	4-Amino-2,6-Dinitrotoluene	5.89	0.26			0.08	1.2
PTX08-1008		11/9/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	9.59	0.26			0.08	2
PTX08-1008		11/9/2022	Perchlorate	310	100			0.08	15
PTX08-1008		11/9/2022	1,4-Dioxane	12	5			0.08	7.7
PTX10-1014		8/3/2022	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	2.21	0.261			20.3	2
PTX10-1014		8/3/2022	Trichloroethene	28.3	1			20.3	5

Table D-2. Detected Results in Group 1 Ogallala Aquifer Uncertainty Management/Early Detection Wells

Well ID	Sample ID	Sample Date	Sample Type	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Background (ug/L)	> Background?	Lab PQL (ug/L)	>Lab PQL?	GWPS (ug/L)	>GWPS?	Expected Condition?	Explanation
PTX01-1012	20220118M00008	1/18/2022	N	Perchlorate	0.985	1	J		0.96	Y	1	NA	15	N	Y	Likely background variability.
PTX06-1056	20220118M00009	1/18/2022	N	4-Amino-2,6-Dinitrotoluene	1.11	0.25				NA	0.25	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220718M00132	7/18/2022	N	4-Amino-2,6-Dinitrotoluene	1.22	0.261				NA	0.261	Y	1.2	Y	N	Unexpected condition.
PTX06-1056	20220807M00169	8/7/2022	ST	4-Amino-2,6-Dinitrotoluene	1.37	0.102				NA	0.102	Y	1.2	Y	N	Unexpected condition.
PTX06-1056	20220807M00170	8/7/2022	ST	4-Amino-2,6-Dinitrotoluene	1.13	0.253				NA	0.253	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220807M00171	8/7/2022	ST	4-Amino-2,6-Dinitrotoluene	0.164	0.104				NA	0.104	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220807M00173	8/7/2022	ST	4-Amino-2,6-Dinitrotoluene	0.139	0.105				NA	0.105	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220808M00175	8/8/2022	ST	4-Amino-2,6-Dinitrotoluene	0.147	0.104				NA	0.104	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220808M00177	8/8/2022	ST	4-Amino-2,6-Dinitrotoluene	0.123	0.107				NA	0.107	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220809M00179	8/9/2022	ST	4-Amino-2,6-Dinitrotoluene	0.118	0.104				NA	0.104	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220809M00181	8/9/2022	ST	4-Amino-2,6-Dinitrotoluene	0.12	0.105				NA	0.105	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220810M00183	8/10/2022	ST	4-Amino-2,6-Dinitrotoluene	0.114	0.108				NA	0.108	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20220919M00203	9/19/2022	V	4-Amino-2,6-Dinitrotoluene	1.29	0.261				NA	0.261	Y	1.2	Y	N	Unexpected condition.
PTX06-1056	20220919M00204	9/19/2022	V	4-Amino-2,6-Dinitrotoluene	1.37	0.103		J-		NA	0.103	Y	1.2	Y	N	Unexpected condition.
PTX06-1056	20220919M00204	9/19/2022	V	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	0.115	0.103		J-		NA	0.103	Y	2	N	N	Unexpected condition.
PTX06-1157	20220810M00190	8/10/2022	N	RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine)	0.338	0.269		J		NA	0.269	Y	2	N	N	Unexpected condition.

**Table D-3. Detected Boron Results in Group 1 Ogallala Aquifer Wells**

Well ID	Sample ID	Sample Date	Sample Type	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Background (ug/L)	> Background?	Lab PQL (ug/L)	> Lab PQL?	GWPS (ug/L)	>GWPS?	Expected Condition?	Mann-Kendall Trends		Explanation
															Long-Term	Short-Term	
PTX06-1043	20220719M00138	7/19/2022	N	195	15			193.9	Y	15	NA	7300	N	Y	Increasing	Decreasing	This concentration likely represents natural variability in background.
PTX06-1044	20220502M00084	5/2/2022	N	200	15			193.9	Y	15	NA	7300	N	Y	No Trend	Probably Decreasing	This concentration likely represents natural variability in background.
PTX06-1056	20220118M00009	1/18/2022	N	208	30	D		193.9	Y	30	NA	7300	N	Y	Decreasing	Stable	This concentration likely represents natural variability in background.
PTX06-1137A	20221019M00213	10/19/2022	N	198	15			193.9	Y	15	NA	7300	N	Y	Decreasing	No Trend	This concentration likely represents natural variability in background.
PTX06-1139	20220119M00012	1/19/2022	N	199	15			193.9	Y	15	NA	7300	N	Y	Decreasing	Stable	This concentration likely represents natural variability in background.
PTX06-1140	20220518M00126	5/18/2022	N	210	75	D		193.9	Y	75	NA	7300	N	Y	No Trend	Stable	This concentration likely represents natural variability in background.
PTX06-1140	20220518M00127	5/18/2022	D	214	75	D		193.9	Y	75	NA	7300	N	Y	No Trend	Stable	This concentration likely represents natural variability in background.
PTX06-1157	20220119M00011	1/19/2022	N	223	30	D		193.9	Y	30	NA	7300	N	Y	Increasing	Stable	This concentration likely represents natural variability in background.
PTX06-1157	20220810M00190	8/10/2022	N	195	15		J	193.9	Y	15	NA	7300	N	Y	Increasing	Stable	This concentration likely represents natural variability in background.

Table D-4. COC Trends vs. Expected Conditions, Group 2 Wells

Well ID	COC Expected Condition - LTM Design	COC>GWPS	Mann-Kendall Trends – Since Start of Remedial Actions												
			RDX	TNT	DNT24 <sup>a</sup>	DNT26 <sup>b</sup>	TNB135 <sup>c</sup>	PERC <sup>d</sup>	TCE	PCE <sup>e</sup>	CR-6	DIOXANE14 <sup>f</sup>	DCA12 <sup>g</sup>	TCLME <sup>h</sup>	
1114-MW4	Long-term decreasing trend	PERC, TCE	N/A	ND	ND	ND	ND	ND	No Trend	No Trend	Stable	NT	No Trend	Decreasing	<b>Increasing</b>
OW-WR-38	Long-term stabilization of concentrations	RDX	<b>Increasing</b>	ND	ND	ND	ND	ND	NT	<b>Increasing</b>	ND	NT	NT	ND	ND
PTX06-1002A	Long-term stabilization of concentrations	RDX, TNX	Probably Decreasing	ND	ND	ND	N/A	NT	No Trend	N/A	Decreasing	NT	<b>Probably Increasing</b>	ND	
PTX06-1005	Long-term stabilization of concentrations	RDX, TN135, DCA12, TCE	Decreasing	Decreasing	Decreasing	Decreasing	<b>Increasing</b>	NT	No Trend	<b>Increasing</b>	No Trend	Stable	<b>Increasing</b>	<b>Increasing</b>	
PTX06-1007	Long-term decreasing trend	RDX, DNT4A, PERC	<b>Increasing</b>	ND	ND	Probably Decreasing	ND	Decreasing	Stable	ND	NT	Decreasing	ND	N/A	
PTX06-1008	Long-term decreasing trend	DCA12	ND	ND	ND	ND	ND	Stable	Stable	ND	Decreasing	N/A	<b>Increasing</b>	<b>Increasing</b>	
PTX06-1010	Long-term decreasing trend	CR, CR6	Decreasing	N/A	ND	ND	ND	NT	<b>Increasing</b>	No Trend	Decreasing	ND	Stable	<b>Increasing</b>	
PTX06-1011	Stable or decreasing trend below GWPS	TCE	No Trend	ND	N/A	ND	N/A	Decreasing	<b>Probably Increasing</b>	No Trend	<b>Probably Increasing</b>	Stable	<b>Increasing</b>	<b>Increasing</b>	
PTX06-1050	Long-term stabilization of concentrations	RDX, TNX, DNT2A, DNT4A	No Trend	ND	ND	ND	ND	NT	ND	ND	NT	NT	ND	ND	
PTX06-1053	Stable or decreasing trend below GWPS	DNT2A	Decreasing	ND	ND	ND	ND	N/A	ND	ND	Decreasing	N/A	ND	ND	
PTX06-1077A	Stable or decreasing trend below GWPS	TCE	NT	ND	ND	ND	ND	Stable	Probably Decreasing	N/A	NT	N/A	ND	N/A	
PTX06-1088	Long-term stabilization of concentrations	RDX, CR, CR6, TCE	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	NT	Decreasing	No Trend	No Trend	Stable	No Trend	<b>Increasing</b>	
PTX06-1095A	Long-term stabilization of concentrations	RDX, TCE, DCA12	Decreasing	<b>Increasing</b>	N/A	Stable	<b>Increasing</b>	NT	No Trend	<b>Probably Increasing</b>	<b>Probably Increasing</b>	Stable	<b>Increasing</b>	<b>Increasing</b>	
PTX07-1002	Long-term decreasing trend	NONE	Decreasing	ND	ND	ND	ND	NT	<b>Probably Increasing</b>	ND	NT	NT	ND	N/A	
PTX07-1003	Long-term decreasing trend	RDX, TNX	No Trend	ND	ND	ND	ND	NT	Stable	ND	NT	NT	ND	ND	
PTX07-1P02	Stable or decreasing trend below GWPS	RDX	<b>Increasing</b>	ND	ND	ND	ND	N/A	ND	ND	NT	Decreasing	ND	ND	
PTX08-1001	Long-term stabilization of concentrations	RDX	No Trend	ND	ND	ND	ND	Decreasing	ND	ND	NT	N/A	ND	ND	
PTX08-1002	Long-term stabilization of concentrations	RDX, DNT2A	Decreasing	No Trend	Stable	N/A	No Trend	NT	ND	ND	Decreasing	NT	ND	ND	
PTX08-1005	Long-term decreasing trend	TCE, DIOXANE14	Decreasing	ND	ND	ND	ND	Decreasing	Decreasing	Decreasing	No Trend	Decreasing	Decreasing	Decreasing	
PTX08-1006	Long-term decreasing trend	RDX, PERC, DNT2A, TCE	Decreasing	ND	ND	Stable	N/A	Decreasing	<b>Increasing</b>	Decreasing	NT	Decreasing	Decreasing	Decreasing	

Well ID	COC Expected Condition - LTM Design	COC>GWPS	Mann-Kendall Trends – Since Start of Remedial Actions												
			RDX	TNT	DNT24 <sup>a</sup>	DNT26 <sup>b</sup>	TNB135 <sup>c</sup>	PERC <sup>d</sup>	TCE	PCE <sup>e</sup>	CR-6	DIOXANE14 <sup>f</sup>	DCA12 <sup>g</sup>	TCLME <sup>h</sup>	
<b>PTX08-1007</b>	Long-term decreasing trend	RDX, DCA12, DIOXANE14, TCE, TCLME	Decreasing	ND	ND	ND	ND	ND	<b>Increasing</b>	Stable	No Trend	Decreasing	<b>Increasing</b>	<b>Increasing</b>	<b>Increasing</b>
<b>PTX08-1008</b>	Long-term stabilization of concentrations	RDX, DIOXANE14, PERC, DNT4A	No Trend	ND	ND	ND	ND	ND	<b>Increasing</b>	<b>Increasing</b>	<b>Increasing</b>	Decreasing	<b>Increasing</b>	<b>Increasing</b>	<b>Increasing</b>
<b>PTX08-1009</b>	Long-term stabilization of concentrations	NONE	Decreasing	ND	ND	ND	N/A	Stable	N/A	ND	No Trend	ND	ND	ND	No Trend
<b>PTX10-1014</b>	Long-term decreasing trend	RDX, TCE	No Trend	ND	ND	ND	ND	ND	No Trend	Stable	Stable	Stable	Stable	ND	Decreasing
<b>1114-MW4</b>	Long-term decreasing trend	PERC, TCE	N/A	ND	ND	ND	ND	ND	No Trend	No Trend	Stable	NT	No Trend	Decreasing	<b>Increasing</b>

Dry\* - water level measured in sump  
 N/A = not enough detections

ND = non-detect  
 NT = not tested

<sup>a</sup>DNT24 = 2,4-Dinitrotoluene

<sup>b</sup>DNT26 = 2,6-Dinitrotoluene

<sup>c</sup>TNB135 = 1,3,5-Trinitrobenzene

<sup>d</sup>PERC = Perchlorate

<sup>e</sup>PCE = Tetrachloroethene

<sup>f</sup>DIOXANE14 = 1,4-Dioxane

<sup>g</sup>DCA12 = 1,2-Dichlorethene

<sup>h</sup>TCLME = Chloroform

Table D-5. Group 2 Well Detections of Non-Indicator Parameters

Well ID	Sample ID	Sample Date	Sample Type	Analyte	Measured Value (ug or pCi/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Background (ug or pCi/L)	>Background?	PQL (ug/L)	>PQL?	GWPS (ug or pCi/L)	>GWPS?	Expected Condition?	Explanation
<b>PTX06-1010</b>	20220516M00117	5/16/2022	N	Nickel	28.7	2			15	Y	2	NA	730	N	N	Likely SS screen corrosion.
<b>PTX06-1095A</b>	20220511M00112	5/11/2022	N	Manganese	34.1	5			16	Y	5	NA	1715.5	N	Y	Likely SS screen corrosion.
<b>PTX10-1014</b>	20220803M00167	8/3/2022	N	Manganese	39.8	5			16	Y	5	NA	1715.5	N	Y	Likely SS screen corrosion.
<b>PTX10-1014</b>	20220803M00167	8/3/2022	N	Nickel	505	2			15	Y	2	NA	730	N	N	Likely SSscreen corrosion.

SS – stainless-steel

Appendix E  
Water Level Trends and Hydrographs  
Expected Conditions Evaluation  
and Analyte Concentration Trends





## **Perched Aquifer Water Level Expected Conditions, Trends, and Hydrographs**



Perched Water Level Trending Results Vs. Expected Conditions

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	WL Expected Condition - LTM Design (2019)	Historic WL Trend	Recent WL Trend
Zone 11	1114-MW4	UM	Trend/Compare to GWPS			
North	OW-WR-38	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Increasing	No Trend
Burning Ground	PTX01-1001	UM	Trend/Compare to GWPS			
Burning Ground	PTX01-1002	UM	Compare to GWPS			
Burning Ground	PTX01-1004	PS	Dry	Remain dry	Dry	Dry
Burning Ground	PTX01-1008	UM	Compare to GWPS			
Burning Ground	PTX01-1009	PS	Dry	Remain dry	Increasing	Increasing
Miscellaneous	PTX04-1001	UM	Trend/Compare to GWPS			
Miscellaneous	PTX04-1002	UM	Trend/Compare to GWPS			
Southeast	PTX06-1002A	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX06-1005	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Zone 11	PTX06-1006	PS	Trend/Compare to GWPS			
Zone 11	PTX06-1007	UM	Trend/Compare to GWPS			
Southeast, Zone 11	PTX06-1008	UM	Trend/Compare to GWPS			
Southeast	PTX06-1010	UM	Trend/Compare to GWPS			
Southeast, Zone 11	PTX06-1011	UM	Trend/Compare to GWPS			
Zone 11	PTX06-1012	PS, RAE	Trend/Compare to GWPS			
Southeast	PTX06-1013	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX06-1014	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Southeast	PTX06-1015	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Southeast	PTX06-1023	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX06-1030	RAE	Trend/Compare to GWPS			
Southeast	PTX06-1031	RAE	Trend/Compare to GWPS			
Southeast	PTX06-1034	RAE	Trend/Compare to GWPS			
Zone 11	PTX06-1035	PS	Trend/Compare to GWPS			
Southeast	PTX06-1036	PS	Trend/Compare to GWPS			
Southeast	PTX06-1037	RAE	Trend/Compare to GWPS			
Southeast	PTX06-1038	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX06-1039A	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Southeast	PTX06-1040	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Southeast	PTX06-1041	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Southeast	PTX06-1042	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Southeast	PTX06-1045	RAE	Water Level Trend/Compare to GWPS	Limited Water	Increasing	No Trend
Southeast	PTX06-1046	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Southeast	PTX06-1047A	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
North	PTX06-1048A	PS, RAE	Trend/Compare to GWPS			
Miscellaneous	PTX06-1049	PS, UM	Compare to GWPS			
North	PTX06-1050	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	No Trend	Increasing
Southeast	PTX06-1051	PS	Dry	Remain dry	Increasing	No Trend
Southeast	PTX06-1052	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Southeast, Zone 11	PTX06-1053	PS, UM	Trend/Compare to GWPS			
Southeast	PTX06-1069	PS	Trend/Compare to GWPS			
Miscellaneous	PTX06-1071	UM	Compare to GWPS			
Zone 11	PTX06-1073A	UM	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	Dry
Zone 11	PTX06-1077A	UM	Trend/Compare to GWPS			
Miscellaneous	PTX06-1080	UM	Compare to GWPS			
Miscellaneous	PTX06-1081	UM	Trend/Compare to GWPS			
Miscellaneous	PTX06-1082	UM	Compare to GWPS			

Perched Water Level Trending Results Vs. Expected Conditions

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	WL Expected Condition - LTM Design (2019)	Historic WL Trend	Recent WL Trend
Miscellaneous	PTX06-1083	UM	Trend/Compare to GWPS			
Miscellaneous	PTX06-1085	UM	Compare to GWPS			
Miscellaneous	PTX06-1086	UM	Compare to GWPS			
Southeast	PTX06-1088	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Southeast	PTX06-1089	PS	Dry	Remain dry	No Trend	No Trend
Southeast	PTX06-1090	PS	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1091	PS	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1093	PS	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1095A	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Miscellaneous	PTX06-1097	PS, UM	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1098	RAE	Water Level, Trend/Compare to GWPS			
Southeast	PTX06-1100	RAE	Water Level, Trend/Compare to GWPS			
Southeast	PTX06-1101	RAE	Water Level, Trend/Compare to GWPS			
Southeast	PTX06-1102	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Southeast	PTX06-1103	RAE	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	Dry
Southeast	PTX06-1120	PS	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	No Trend
Southeast	PTX06-1121	PS	Dry	Remain dry	Decreasing	Increasing
Southeast	PTX06-1122	PS	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1123	RAE	Trend/Compare to GWPS			
Southeast	PTX06-1125	PS	Dry	Remain dry	Dry	Dry
Zone 11	PTX06-1126	PS, UM	Trend/Compare to GWPS			
Zone 11	PTX06-1127	PS, UM	Trend/Compare to GWPS			
Southeast	PTX06-1130	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Dry
Miscellaneous	PTX06-1131	UM	Compare to GWPS			
Southeast	PTX06-1133A	PS	Water Level, Trend/Compare to GWPS	Limited Water	No Trend	Decreasing
Zone 11	PTX06-1134	PS	Trend/Compare to GWPS			
Southeast	PTX06-1135	PS	Trend/Compare to GWPS			
North	PTX06-1136	PS	Trend/Compare to GWPS			
Southeast	PTX06-1146	PS	Trend/Compare to GWPS			
Southeast	PTX06-1147	PS	Trend/Compare to GWPS			
Zone 11	PTX06-1148	PS, RAE	Trend/Compare to GWPS			
Zone 11	PTX06-1149	PS	Trend/Compare to GWPS			
Zone 11	PTX06-1150	PS, RAE	Trend/Compare to GWPS			
Zone 11	PTX06-1151	PS	Trend/Compare to GWPS			
Southeast	PTX06-1153	RAE	Trend/Compare to GWPS			
Southeast	PTX06-1154	RAE	Trend/Compare to GWPS			
Zone 11	PTX06-1155	RAE	Trend/Compare to GWPS			
Zone 11	PTX06-1156	RAE	Trend/Compare to GWPS			
Southeast	PTX06-1158	PS	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	Decreasing
Zone 11	PTX06-1159	PS, RAE	Trend/Compare to GWPS			
Zone 11	PTX06-1160	PS	Trend/Compare to GWPS			
Southeast	PTX06-1166	PS	Trend/Compare to GWPS			
Southeast	PTX06-1167	RAE	Trend/Compare to GWPS			
North	PTX07-1O01	PS, UM, RAE	Trend/Compare to GWPS			
North	PTX07-1O02	PS, UM, RAE	Trend/Compare to GWPS			
North	PTX07-1O03	PS, UM, RAE	Trend/Compare to GWPS			
North	PTX07-1O06	PS, UM, RAE	Trend/Compare to GWPS			
Zone 11	PTX07-1P02	UM	Trend/Compare to GWPS			

Perched Water Level Trending Results Vs. Expected Conditions

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	WL Expected Condition - LTM Design (2019)	Historic WL Trend	Recent WL Trend
Zone 11	PTX07-1P05	UM	Trend/Compare to GWPS			
Miscellaneous	PTX07-1Q01	UM	Compare to GWPS			
Miscellaneous	PTX07-1Q02	UM	Compare to GWPS			
Miscellaneous	PTX07-1Q03	UM	Compare to GWPS			
Miscellaneous	PTX07-1R03	UM	Compare to GWPS			
Southeast	PTX08-1001	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Increasing	Increasing
Southeast	PTX08-1002	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Increasing	Increasing
Zone 11	PTX08-1003	PS	Trend/Compare to GWPS			
Zone 11	PTX08-1005	UM	Trend/Compare to GWPS			
Zone 11	PTX08-1006	UM	Trend/Compare to GWPS			
Southeast, Zone 11	PTX08-1007	UM	Trend/Compare to GWPS			
Southeast, Zone 11	PTX08-1008	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Southeast	PTX08-1009	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Miscellaneous	PTX08-1010	UM	Trend/Compare to GWPS			
Southeast, Zone 11	PTX10-1014	UM	Trend/Compare to GWPS			
Southeast	PTX06-1184	PS	Dry	Remain dry	Decreasing	Decreasing
Southeast	PTX06-1193	PS	Dry	Remain dry	Decreasing	Dry

UM = Uncertainty management

PS = Plume stability

RAE = Response action effectiveness

Dry\* - water level measured in sump

Historic Trend = Since start of remedial action

Recent Trend = Last 4 measurements





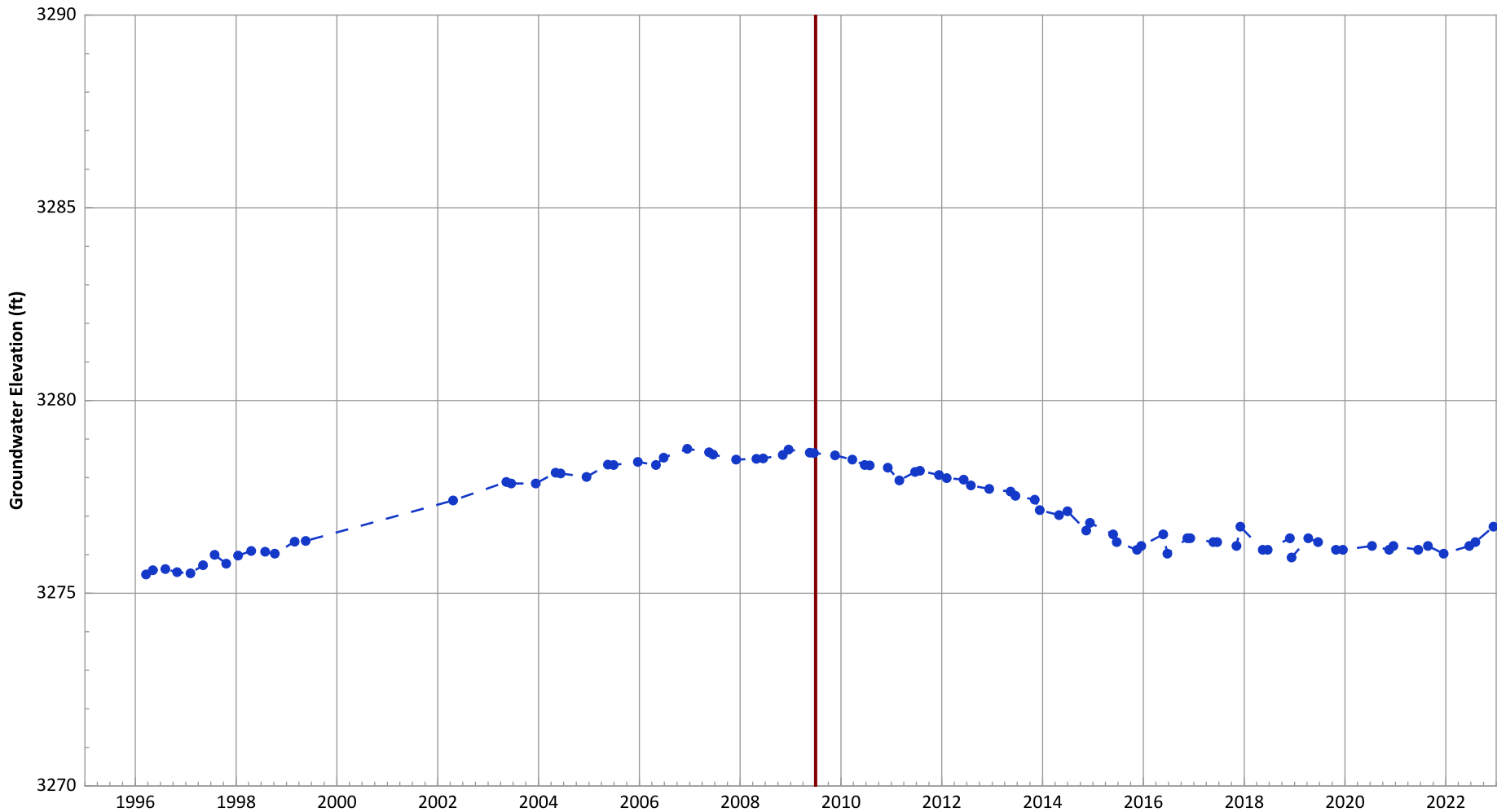








**1114-MW4 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

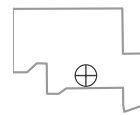


**Notes:**

1. Top of screen elevation is 3280.32 ft msl.
  2. The bottom of screen elevation is 3260.32 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

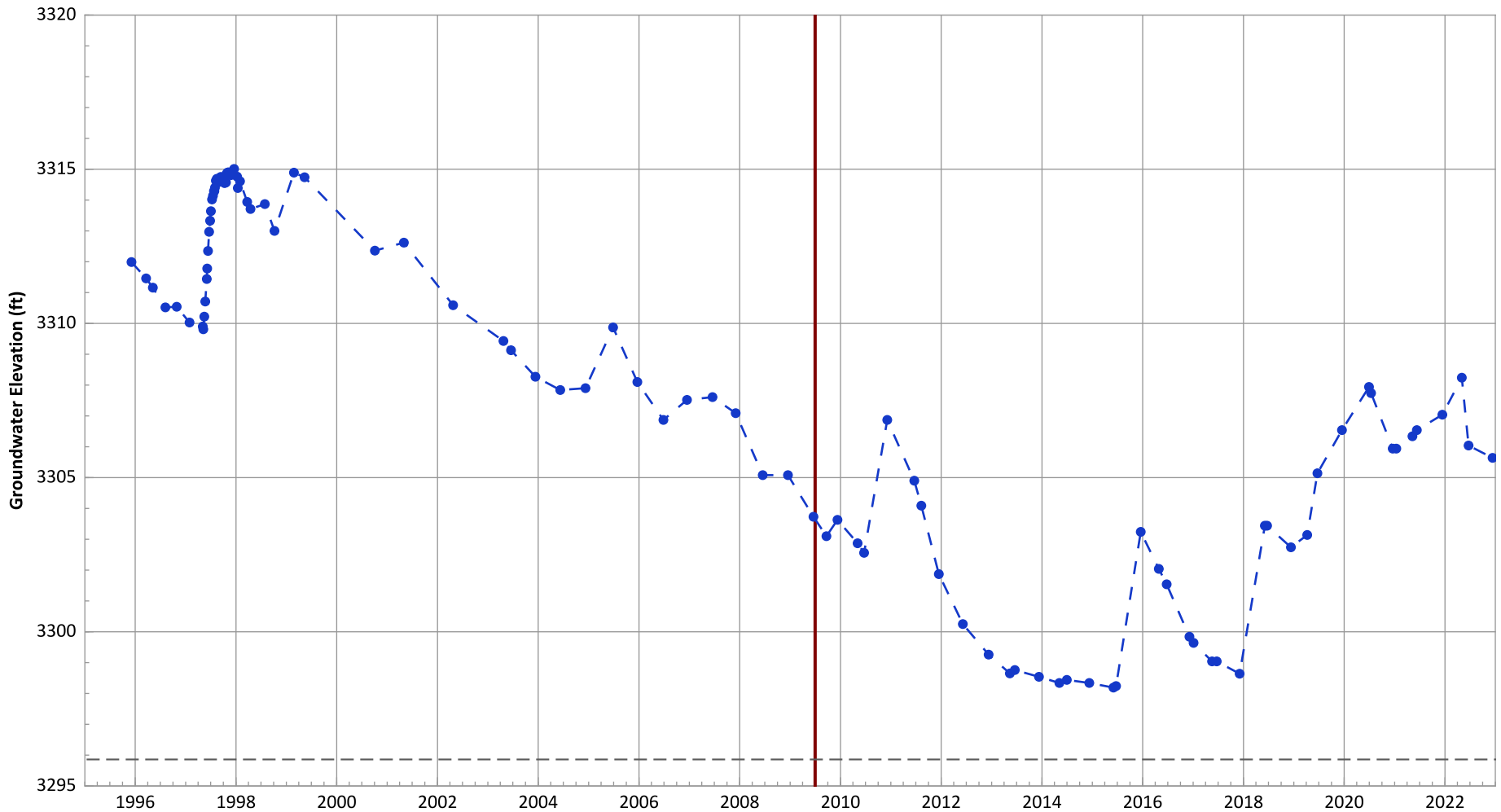
—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

**OW-WR-38 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

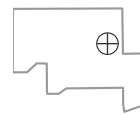


**Notes:**

1. Top of screen elevation is 3310.86 ft msl.
  2. The bottom of screen elevation is 3295.86 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

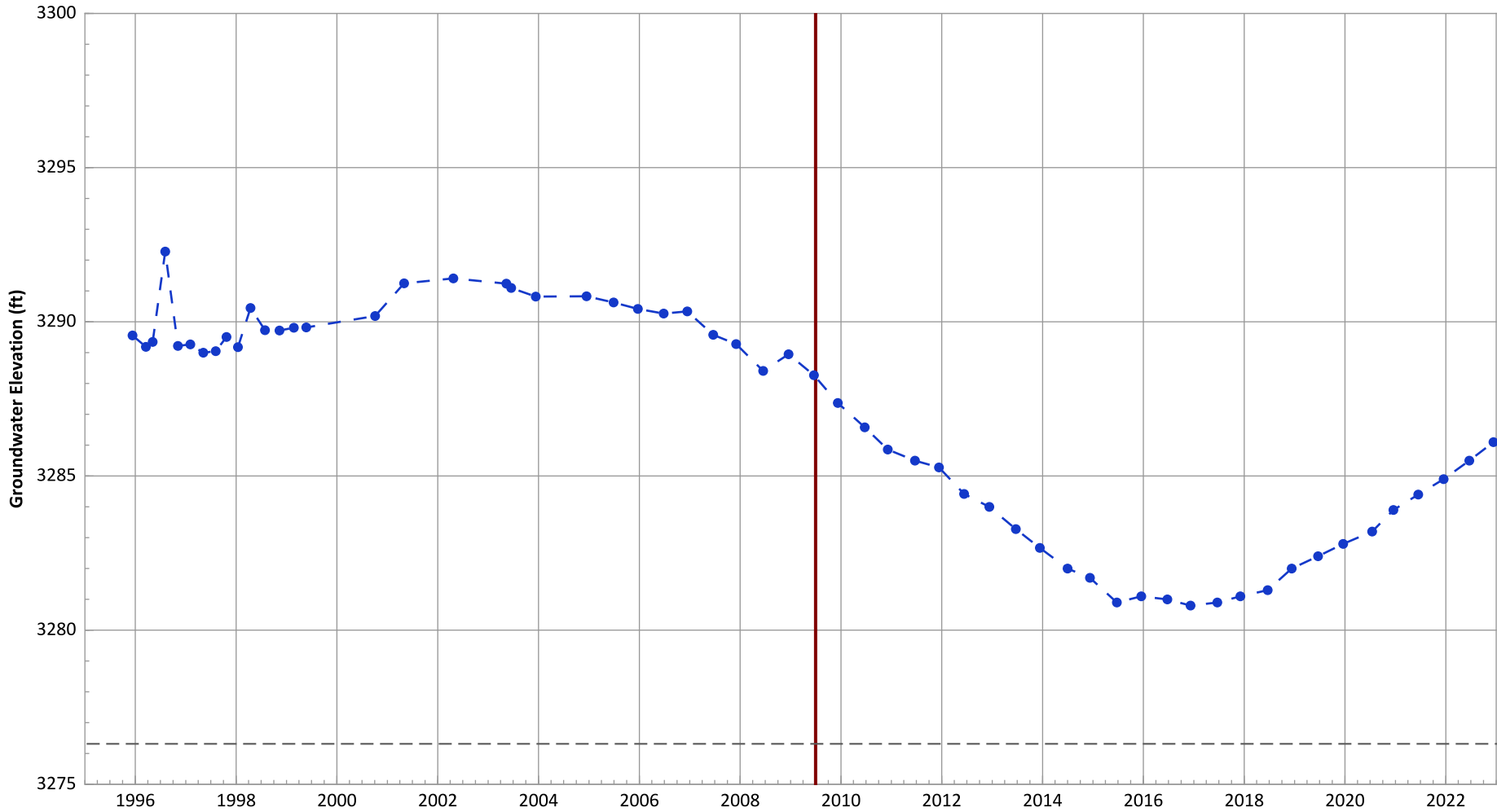
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.5 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.84 ft/yr

**OW-WR-45 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

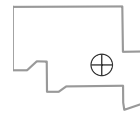


**Notes:**

1. Top of screen elevation is 3296.31 ft msl.
  2. The bottom of screen elevation is 3276.31 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

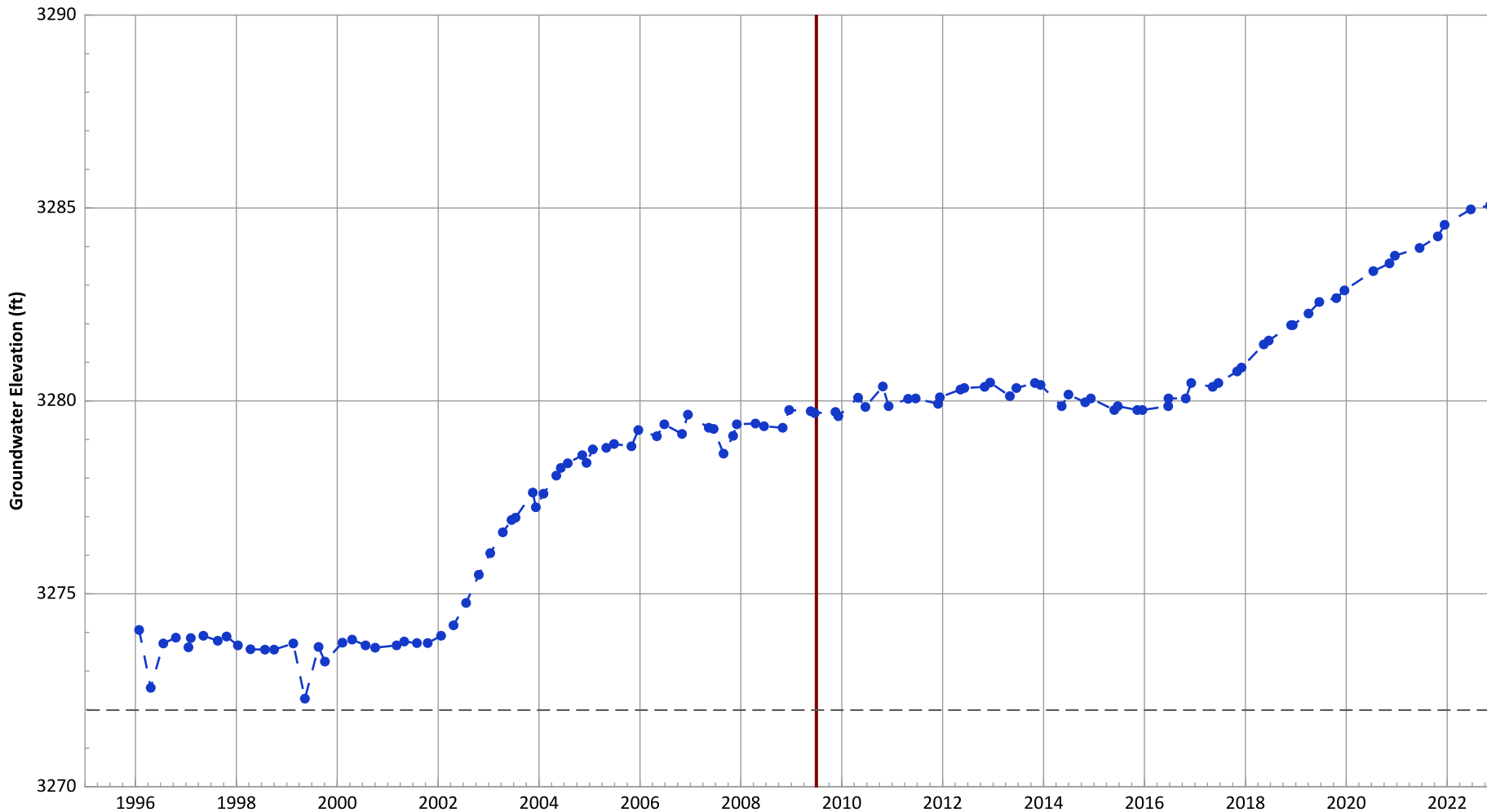
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.35 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.92 ft/yr

**PTX01-1001 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

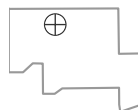


**Notes:**

1. Top of screen elevation is 3286.99 ft msl.
  2. The bottom of screen elevation is 3271.99 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

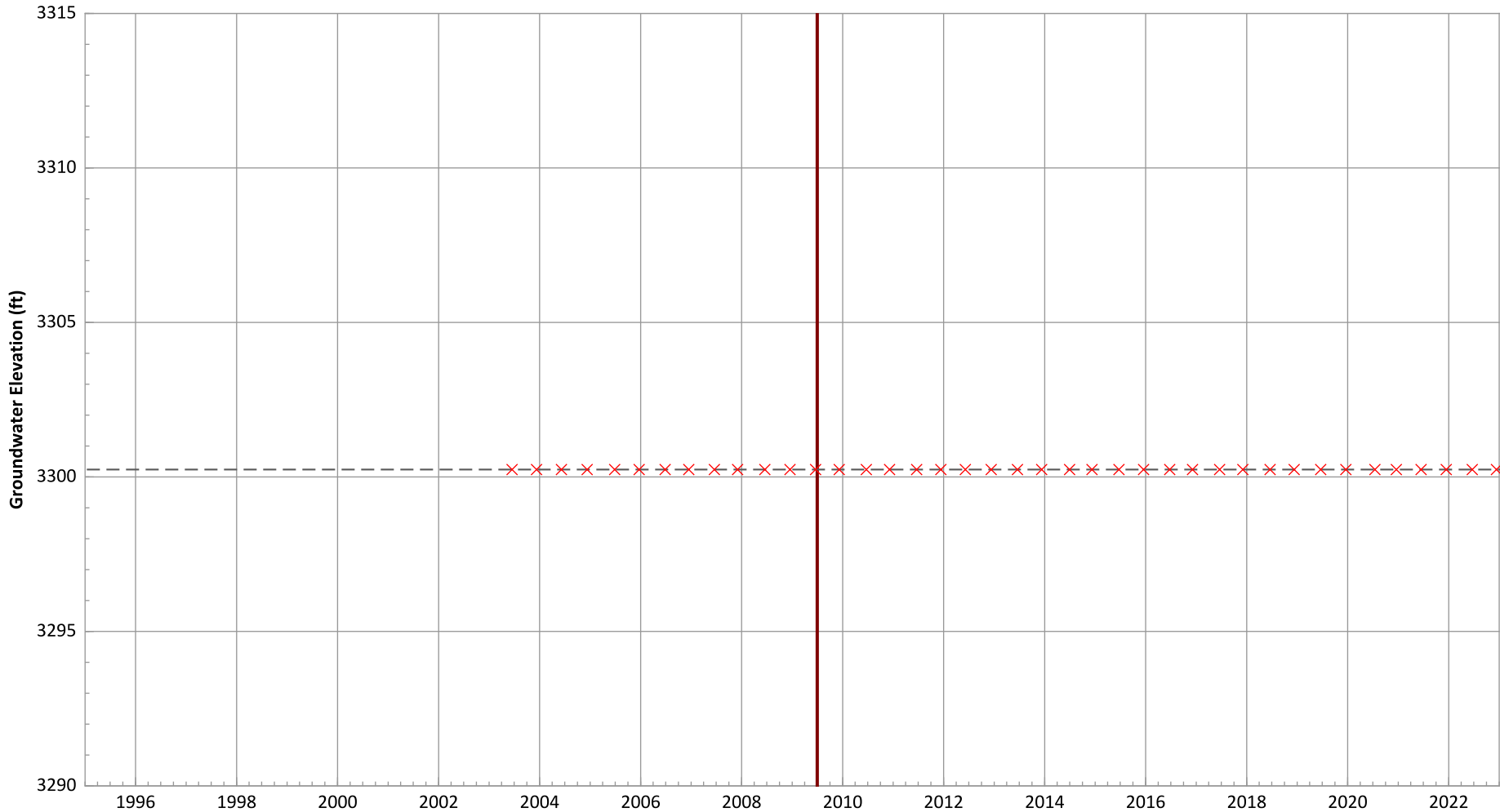
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.4 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.89 ft/yr

**PTX01-1004 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

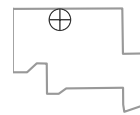


**Notes:**

1. Top of screen elevation is 3320.24 ft msl.
  2. The bottom of screen elevation is 3300.24 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

**Well Location**

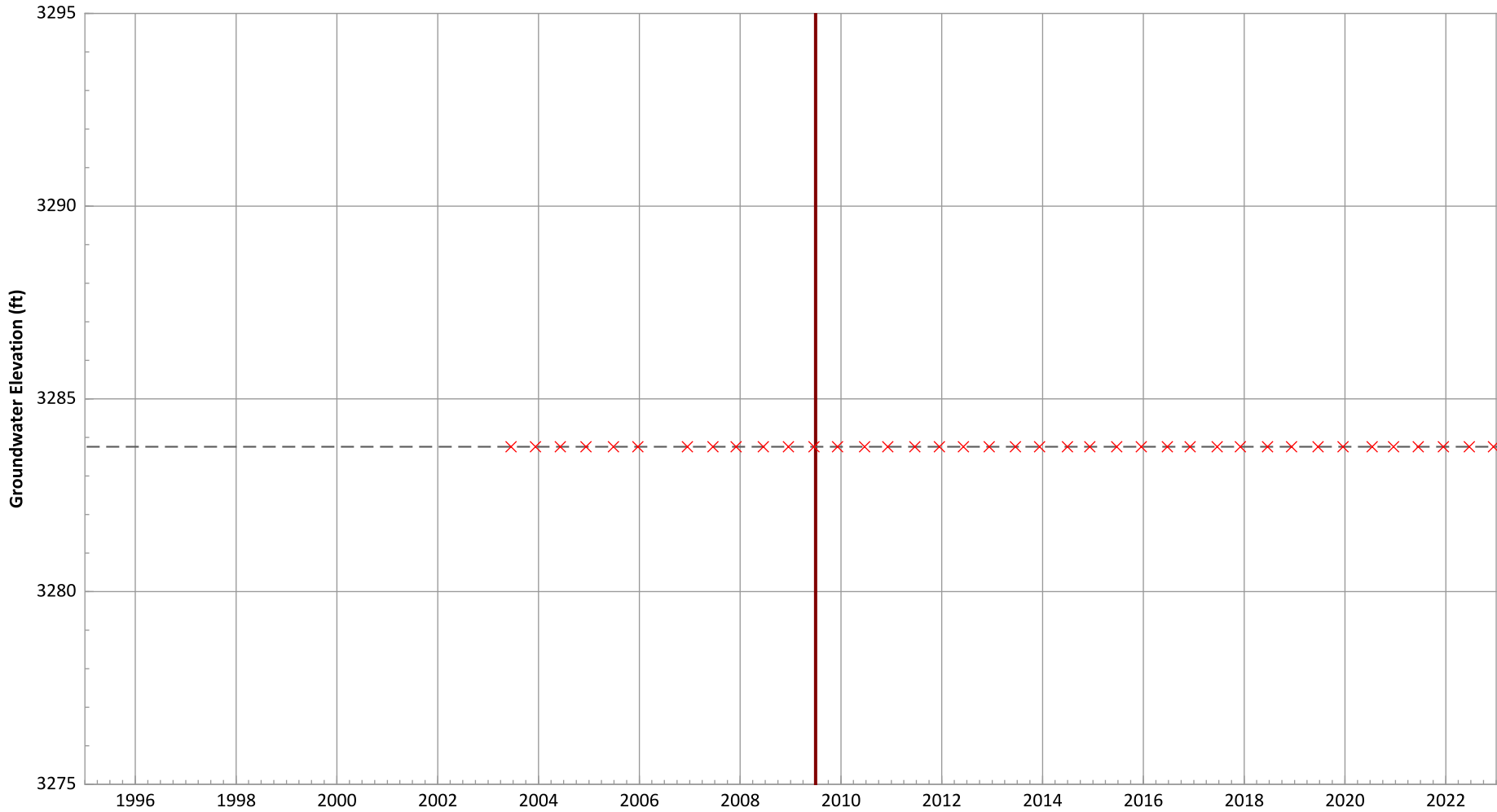


**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)



**PTX01-1006 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

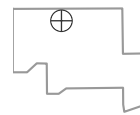


**Notes:**

1. Top of screen elevation is 3313.76 ft msl.
  2. The bottom of screen elevation is 3283.76 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

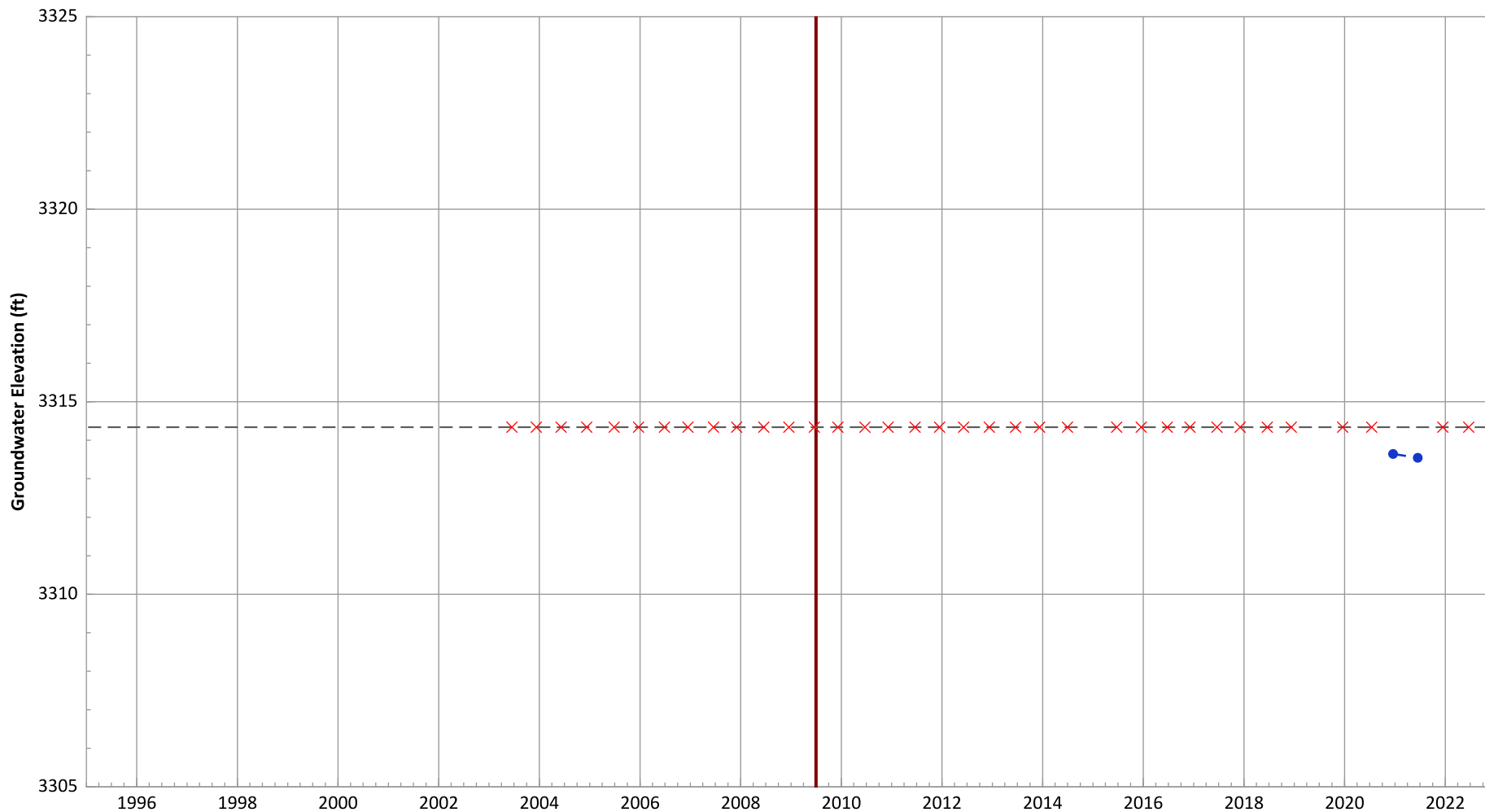
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX01-1007 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

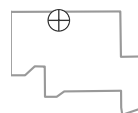


**Notes:**

1. Top of screen elevation is 3334.34 ft msl.
  2. The bottom of screen elevation is 3314.34 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

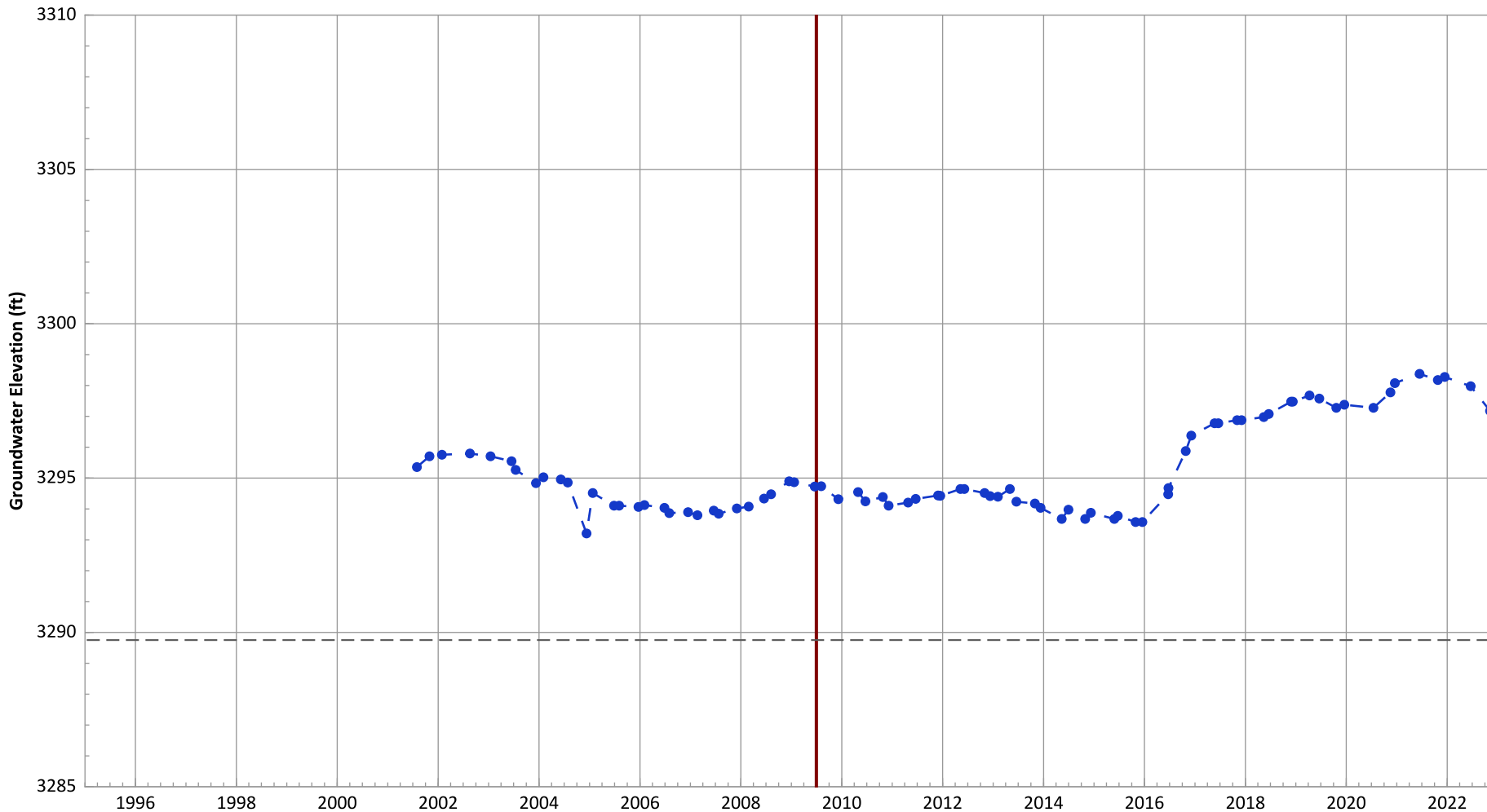
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX01-1008 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

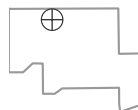


**Notes:**

1. Top of screen elevation is 3309.75 ft msl.
  2. The bottom of screen elevation is 3289.75 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

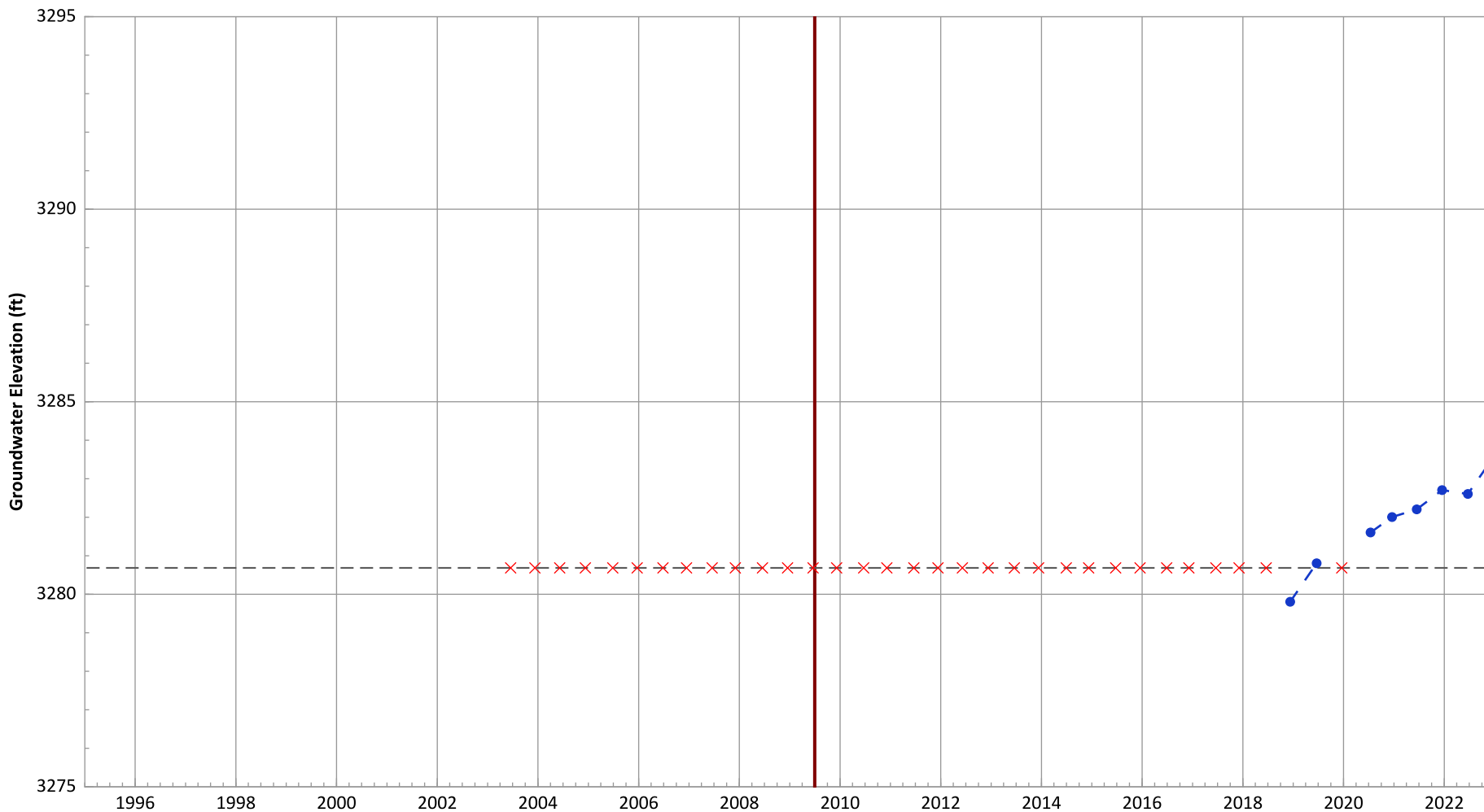
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.15 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.32 ft/yr

**PTX01-1009 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

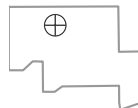


**Notes:**

1. Top of screen elevation is 3300.68 ft msl.
  2. The bottom of screen elevation is 3280.68 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

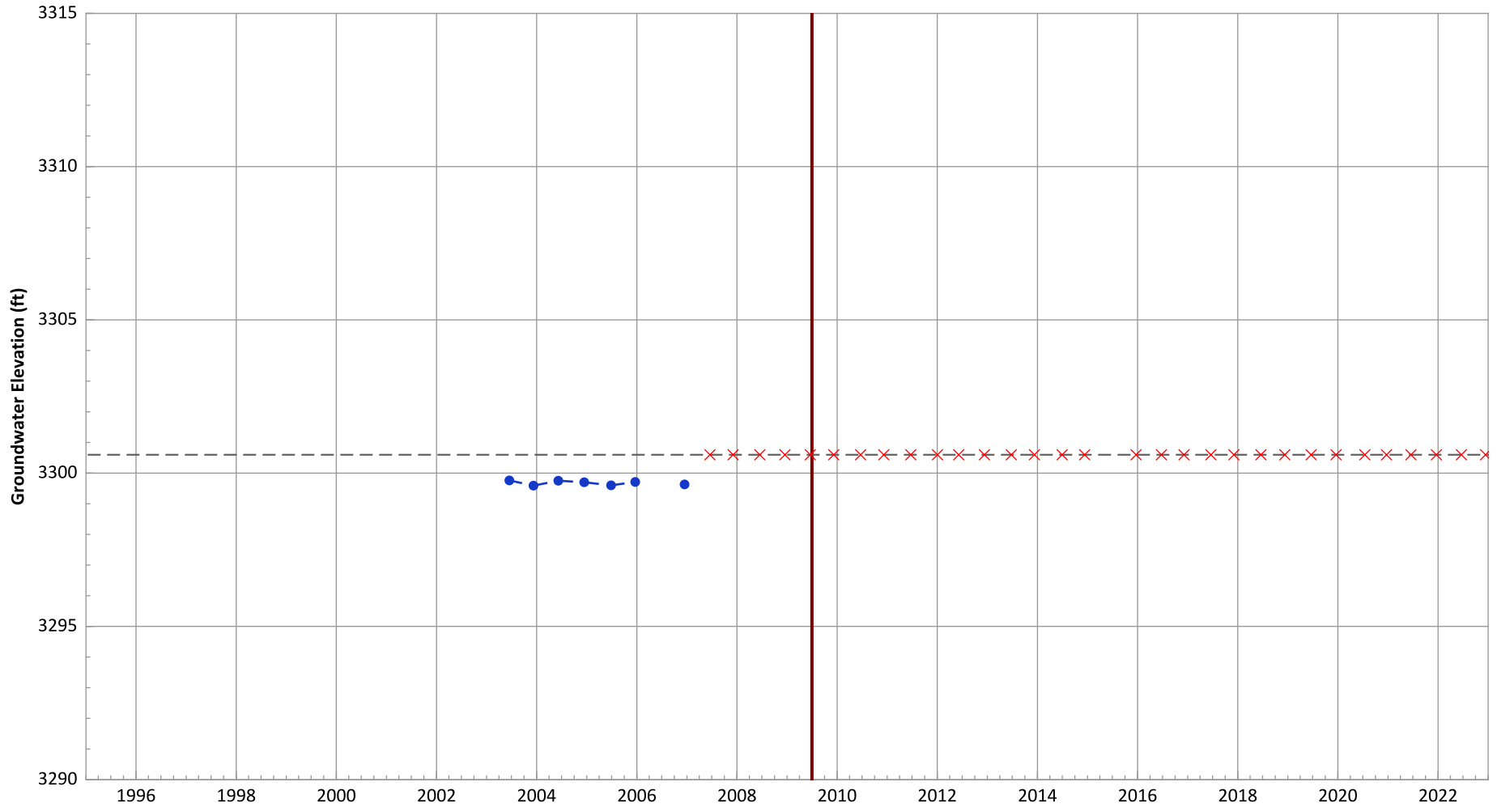
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.81 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.89 ft/yr

**PTX01-1014A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



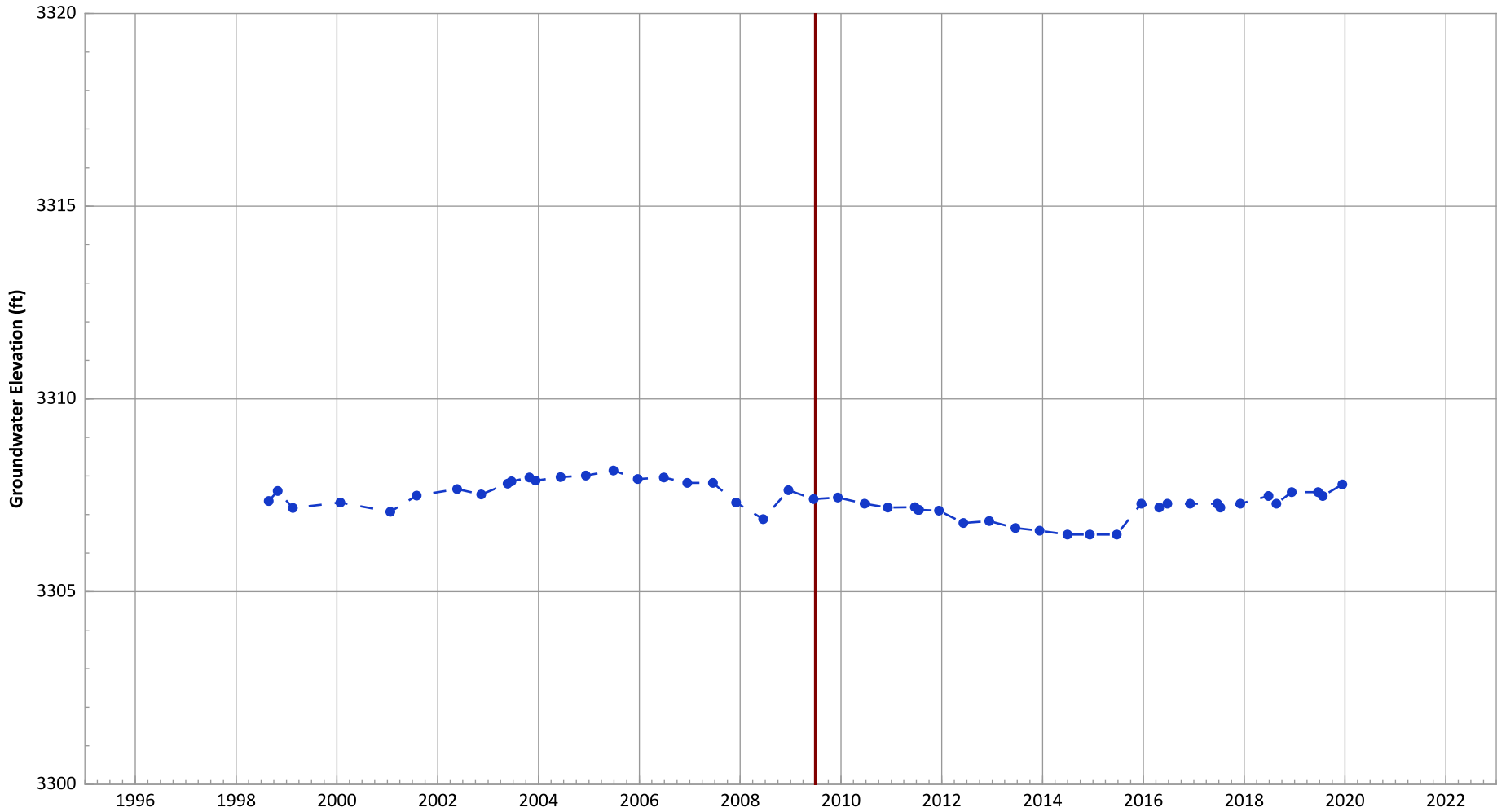
Notes:  
 1. Top of screen elevation is 3325.6 ft msl.  
 2. The bottom of screen elevation is 3300.6 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX04-1001 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

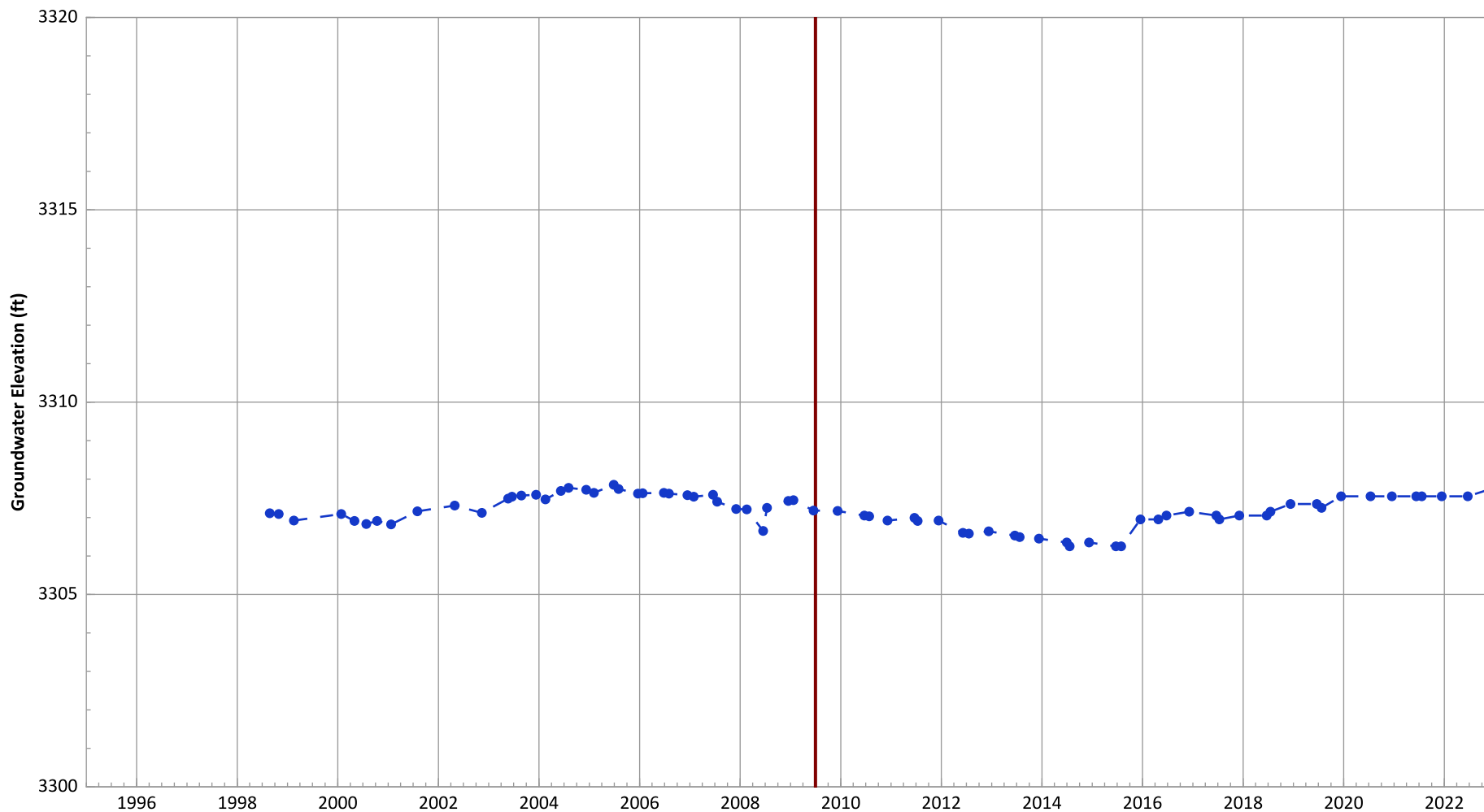
1. Top of screen elevation is 3307.77 ft msl.
  2. The bottom of screen elevation is 3289.07 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 0.19 ft/yr

**PTX04-1002 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3312.63 ft msl.
  2. The bottom of screen elevation is 3288.83 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

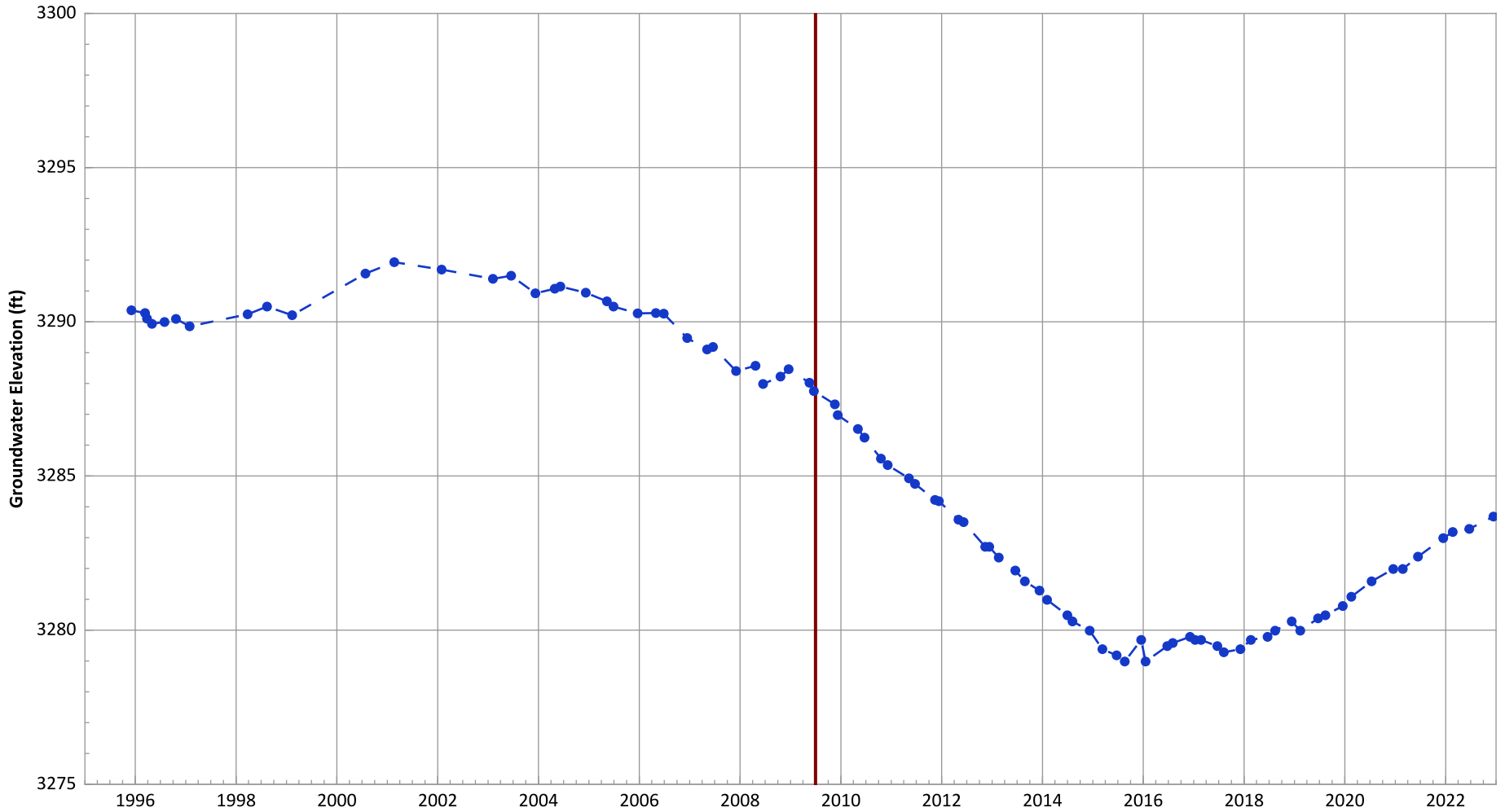
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.14 ft/yr

**PTX06-1002A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

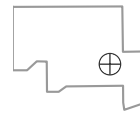


**Notes:**

1. Top of screen elevation is 3300.17 ft msl.
  2. The bottom of screen elevation is 3270.67 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**

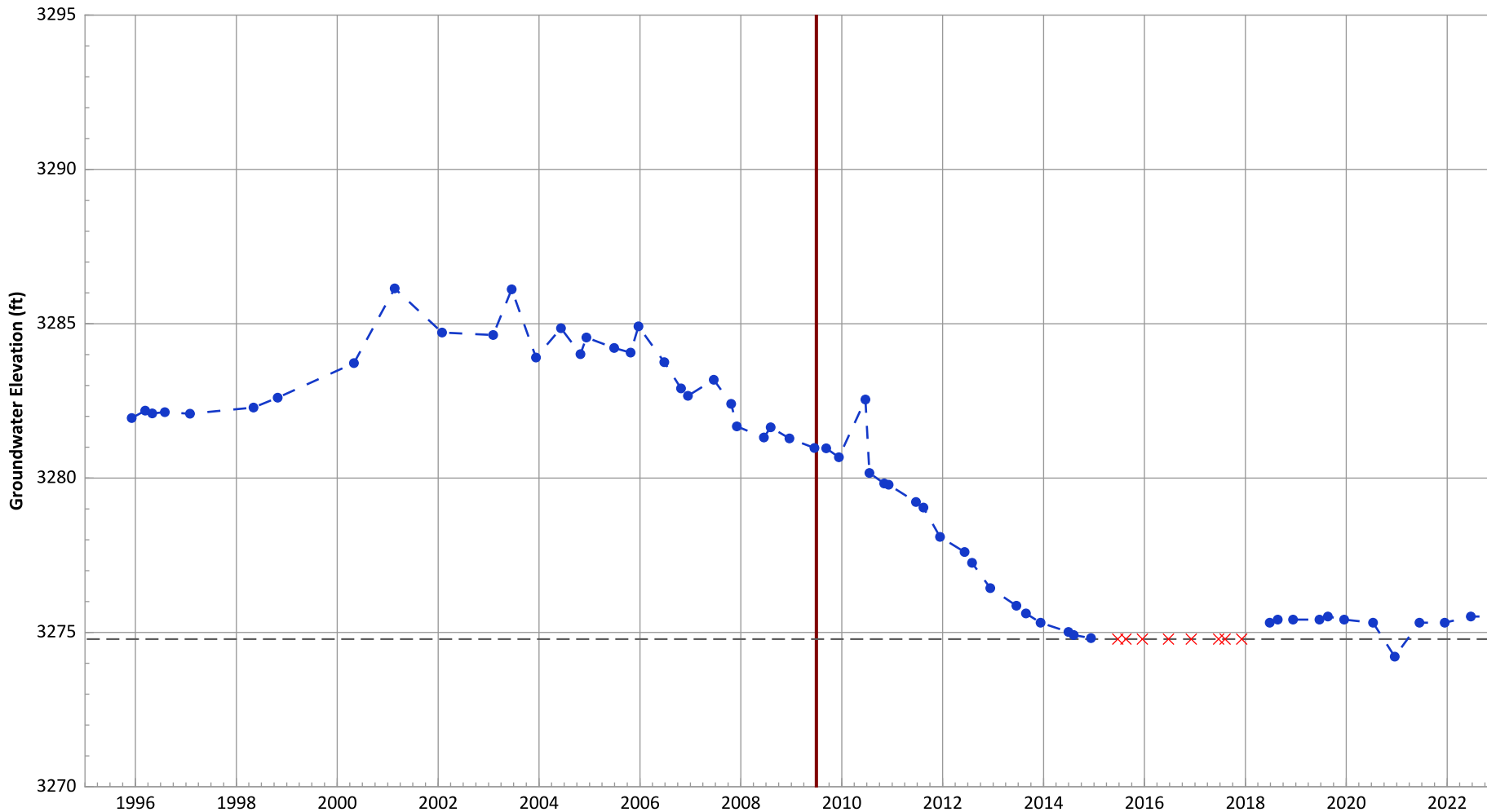


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.52 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.71 ft/yr



**PTX06-1003 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

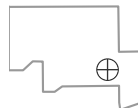


**Notes:**

1. Top of screen elevation is 3294.78 ft msl.
  2. The bottom of screen elevation is 3274.78 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

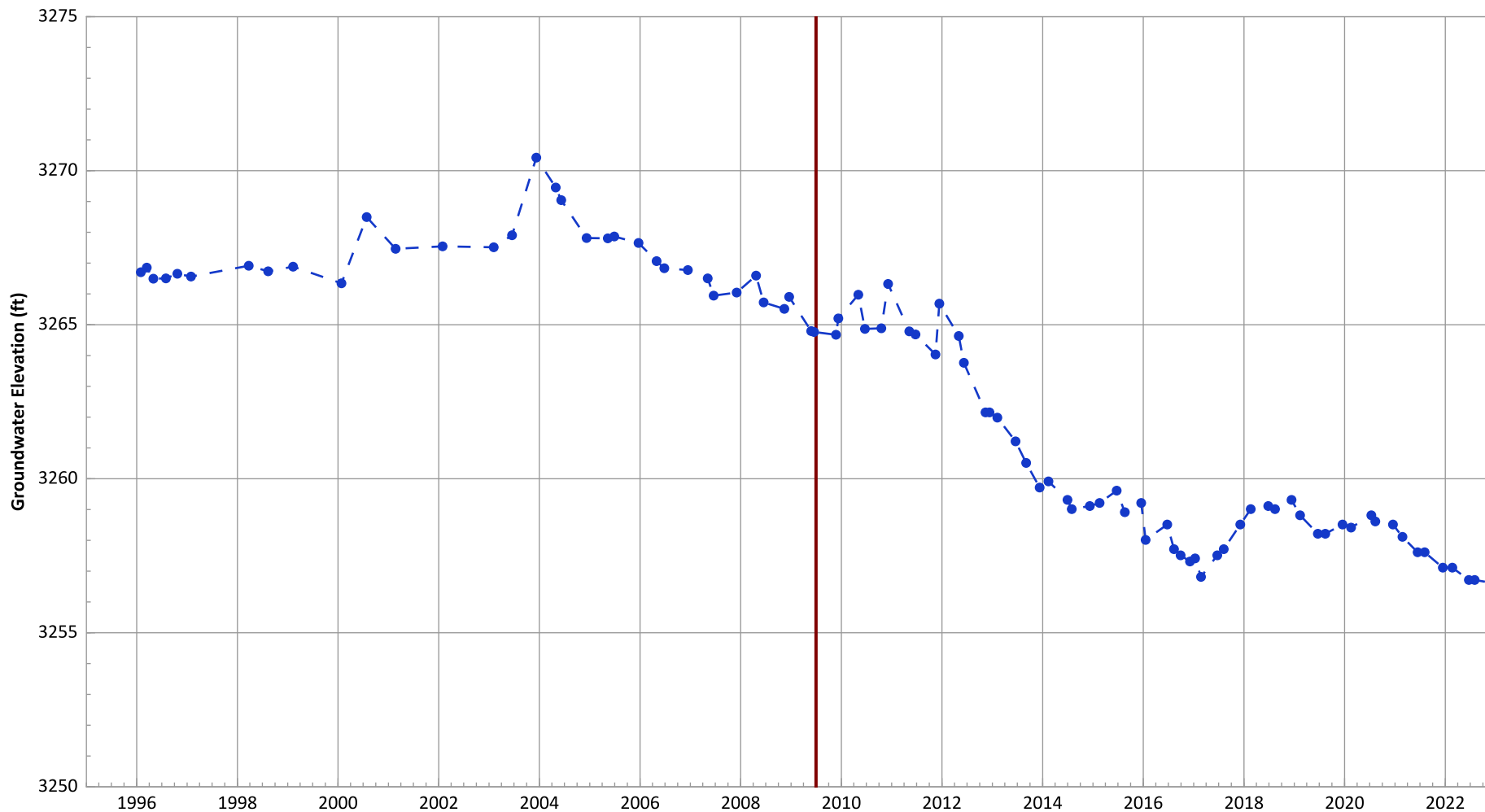
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.42 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.11 ft/yr

**PTX06-1005 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

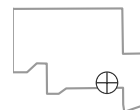


**Notes:**

1. Top of screen elevation is 3274.81 ft msl.
  2. The bottom of screen elevation is 3244.81 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

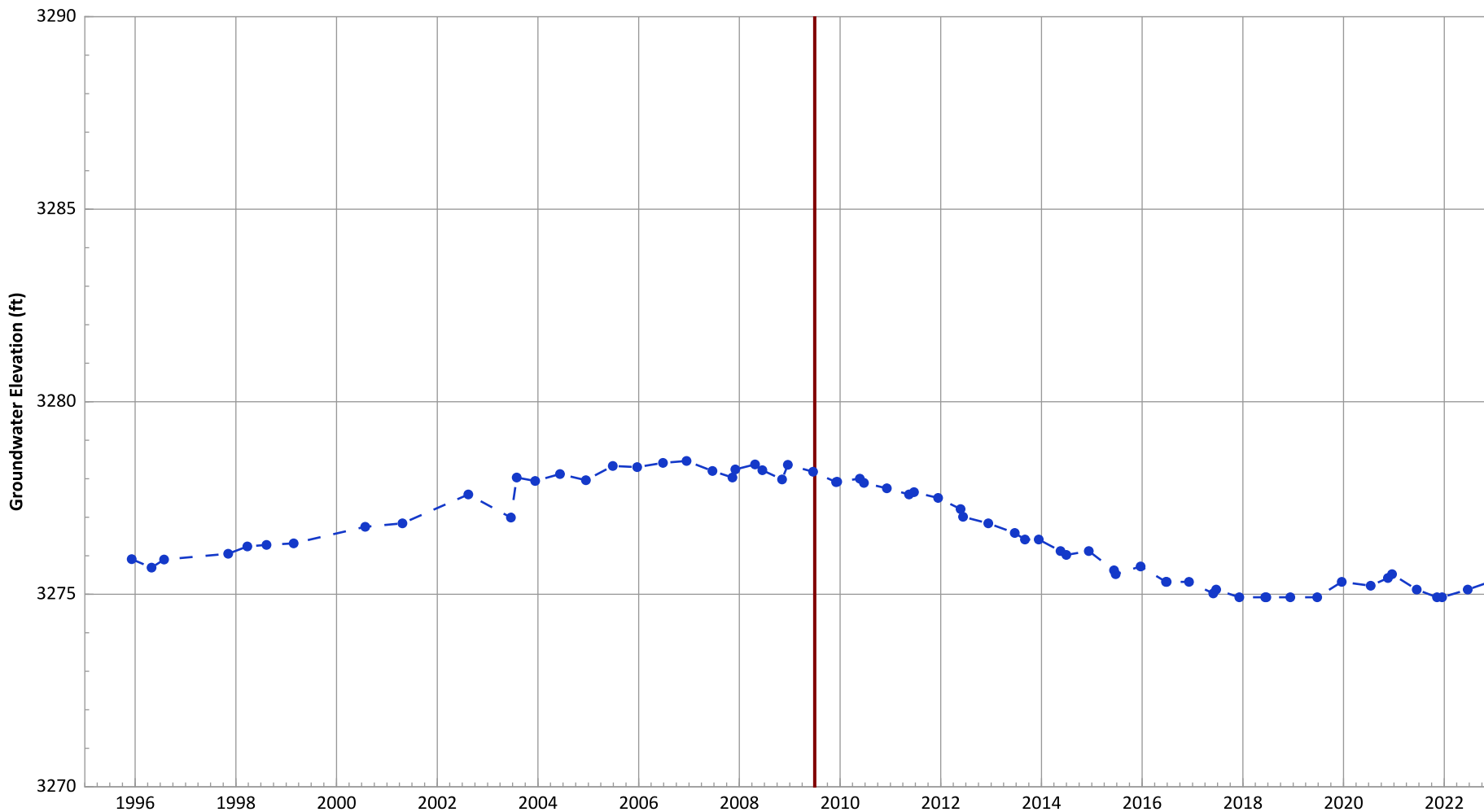
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.49 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-1006 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

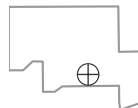


Notes:

1. Top of screen elevation is 3282.54 ft msl.
  2. The bottom of screen elevation is 3252.54 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

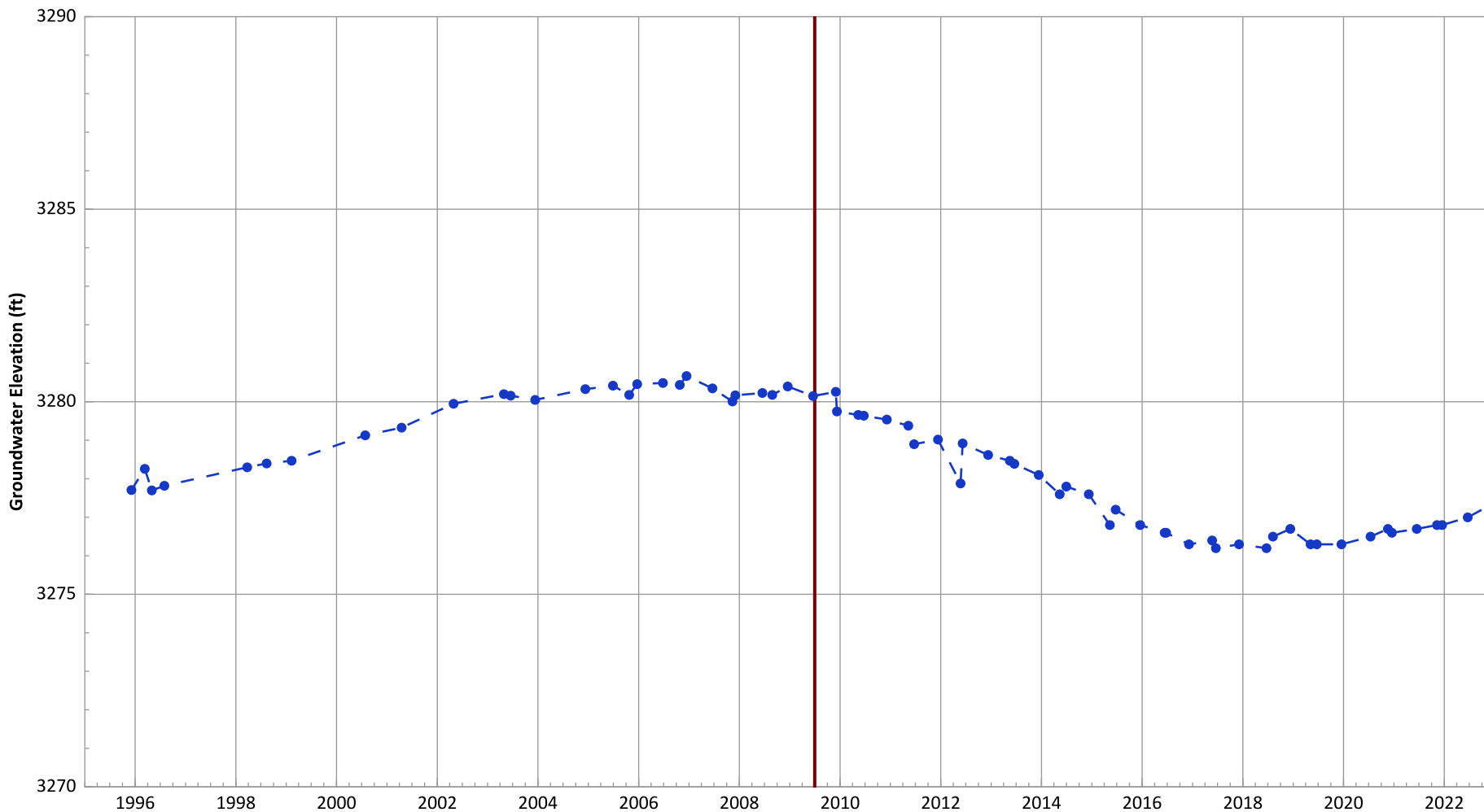
—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1007 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

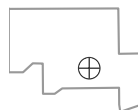


**Notes:**

1. Top of screen elevation is 3286.53 ft msl.
  2. The bottom of screen elevation is 3256.53 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

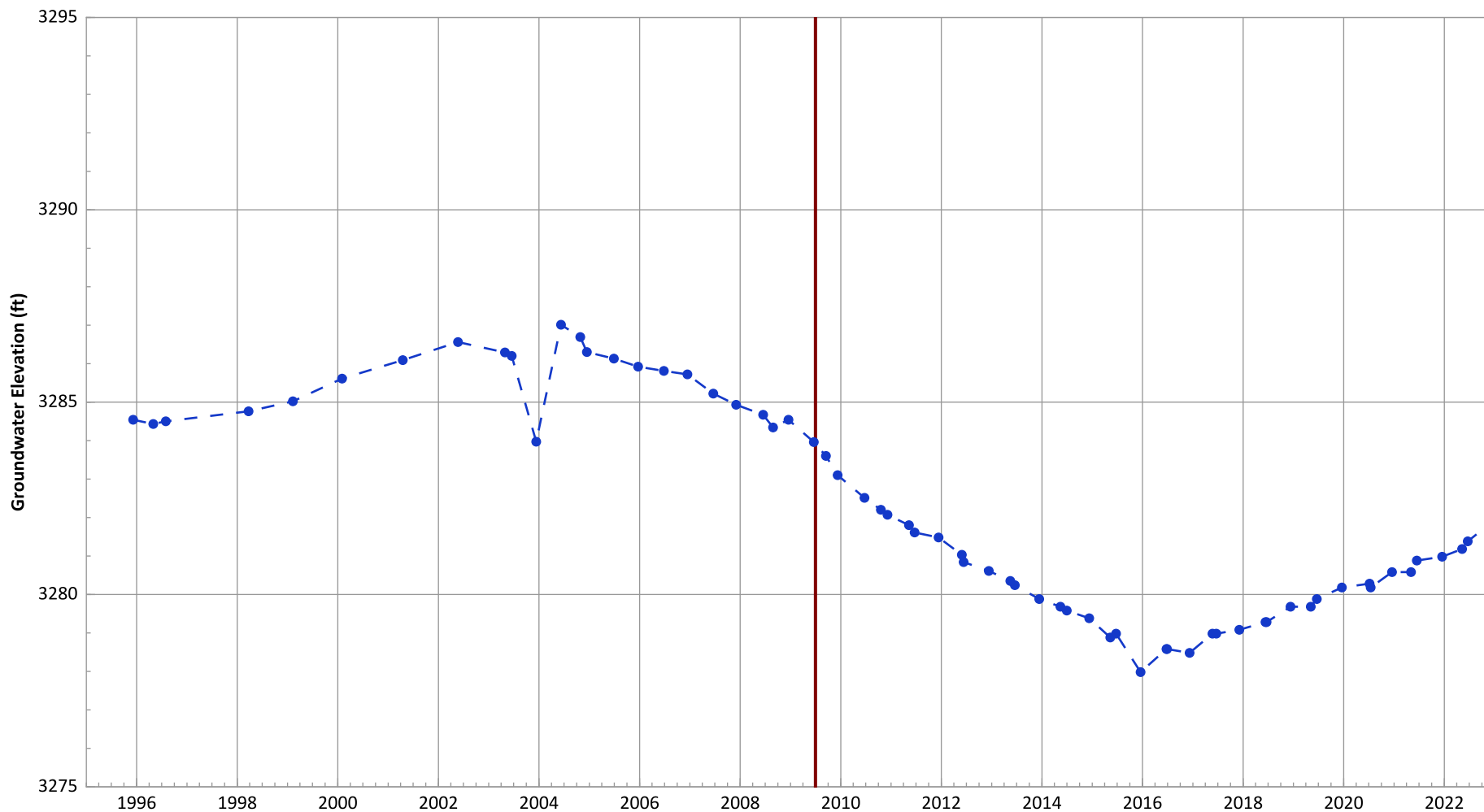
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.13 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.11 ft/yr

**PTX06-1008 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

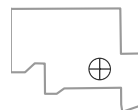


**Notes:**

1. Top of screen elevation is 3297.61 ft msl.
  2. The bottom of screen elevation is 3272.61 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

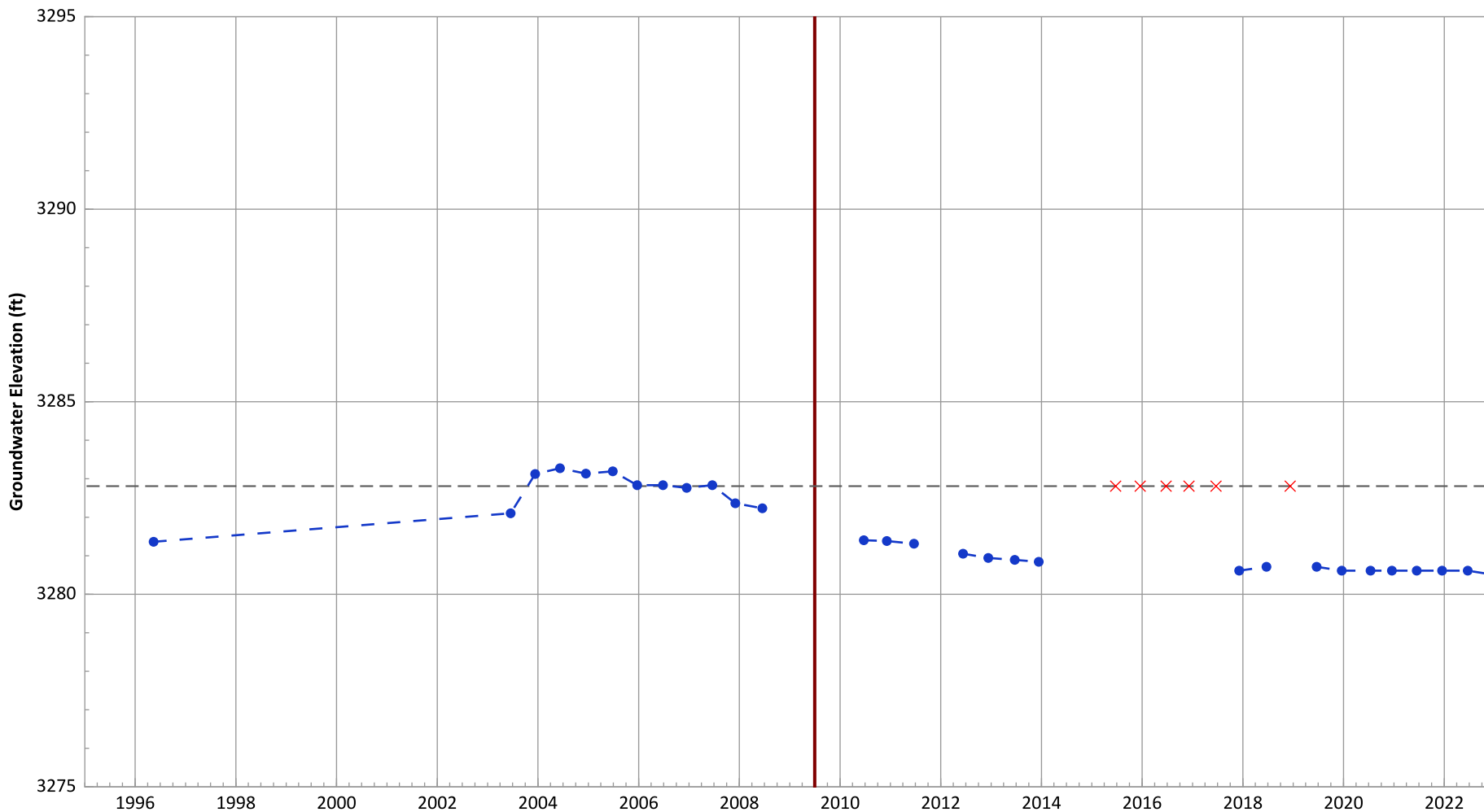
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.3 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.46 ft/yr

PTX06-1009 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

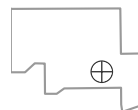


Notes:

1. Top of screen elevation is 3312.81 ft msl.
  2. The bottom of screen elevation is 3282.81 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

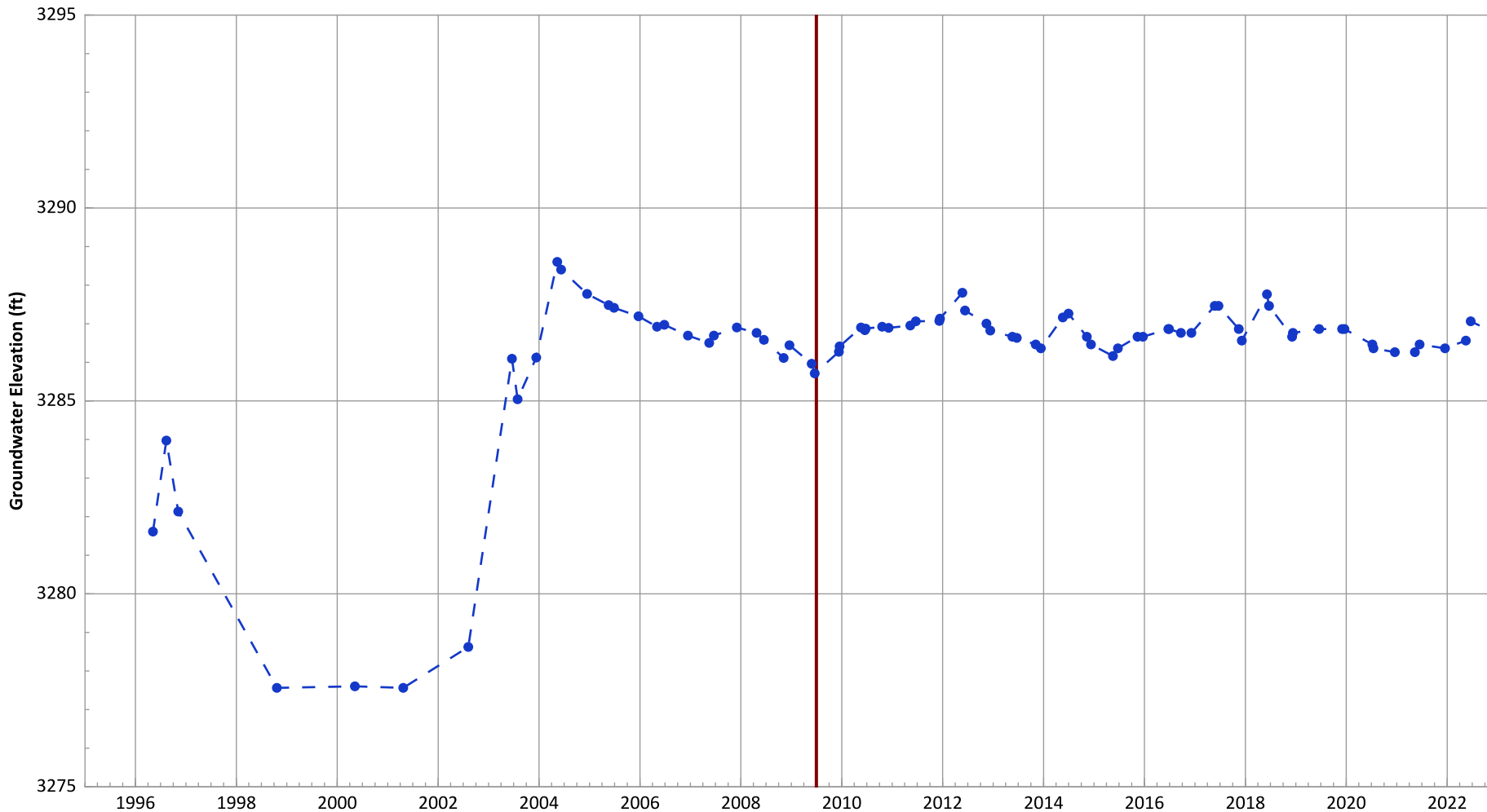
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.12 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-1010 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

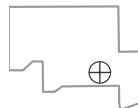


Notes:

1. Top of screen elevation is 3294.04 ft msl.
  2. The bottom of screen elevation is 3264.04 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

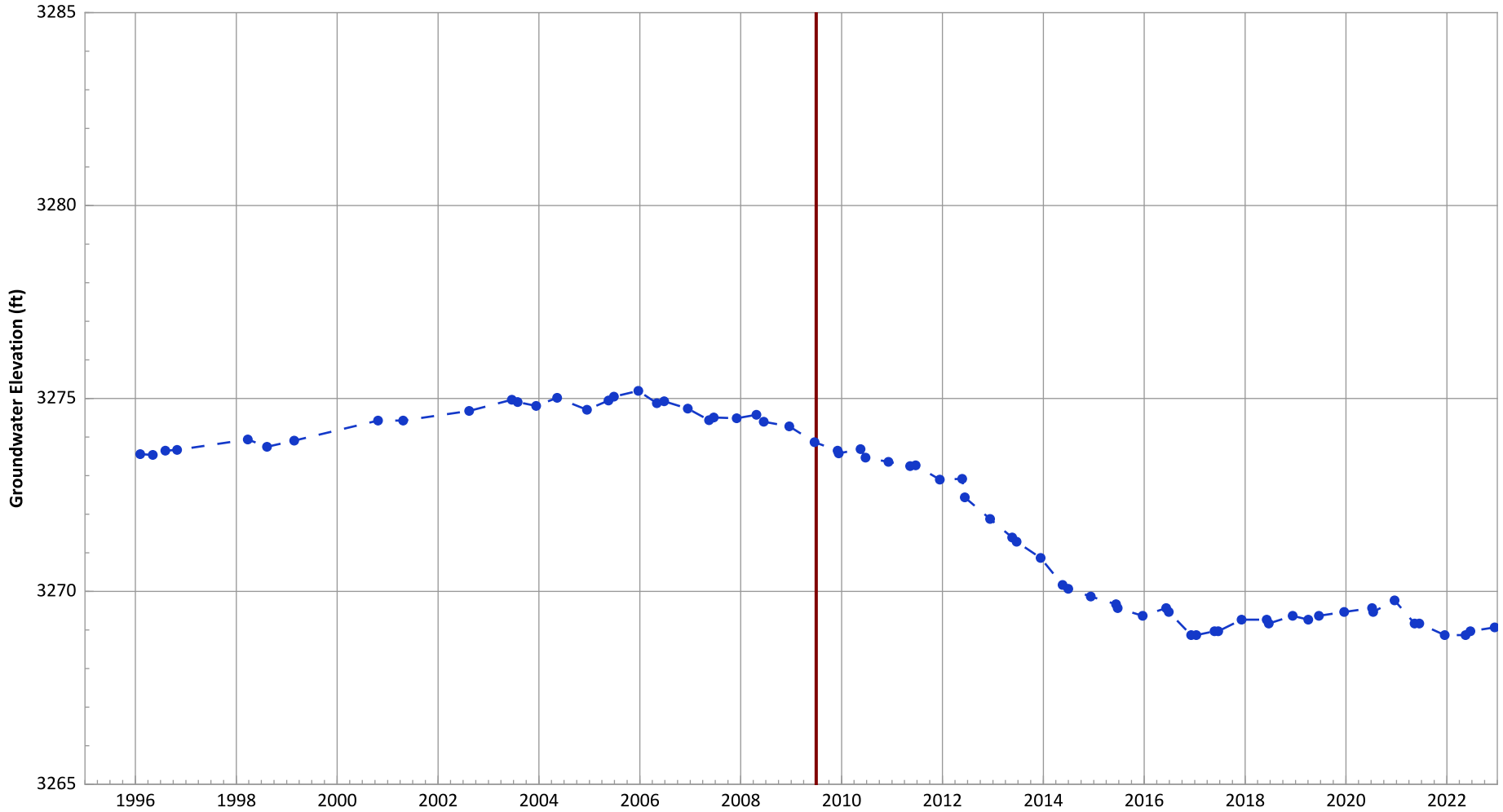
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.17 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.24 ft/yr

**PTX06-1011 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

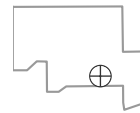


**Notes:**

1. Top of screen elevation is 3282.59 ft msl.
  2. The bottom of screen elevation is 3252.59 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**

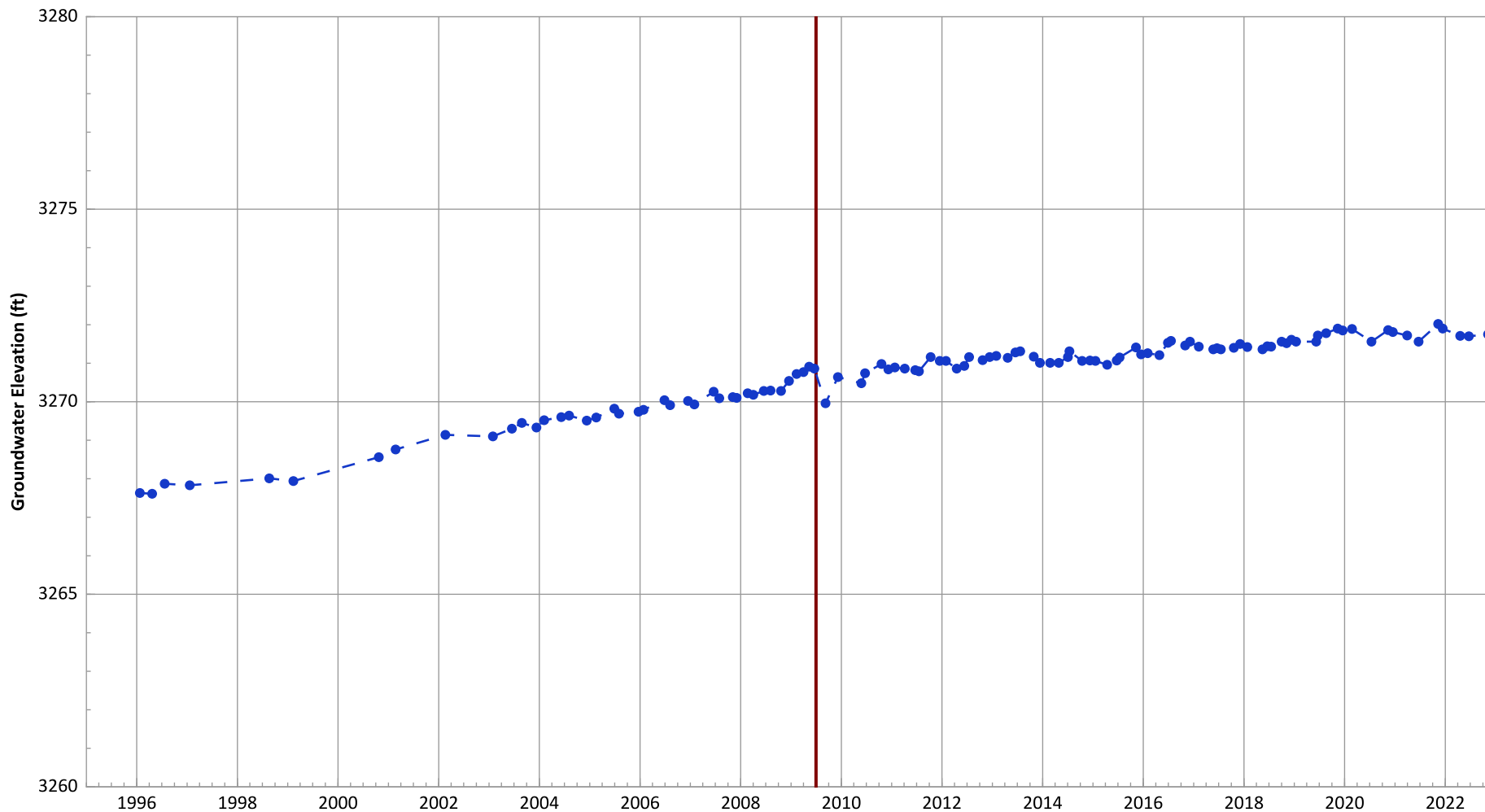


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.27 ft/yr  
 Data (1/2017 - 1/2021): No Trend



**PTX06-1012 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

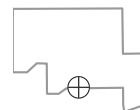


**Notes:**

1. Top of screen elevation is 3276.19 ft msl.
  2. The bottom of screen elevation is 3256.19 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

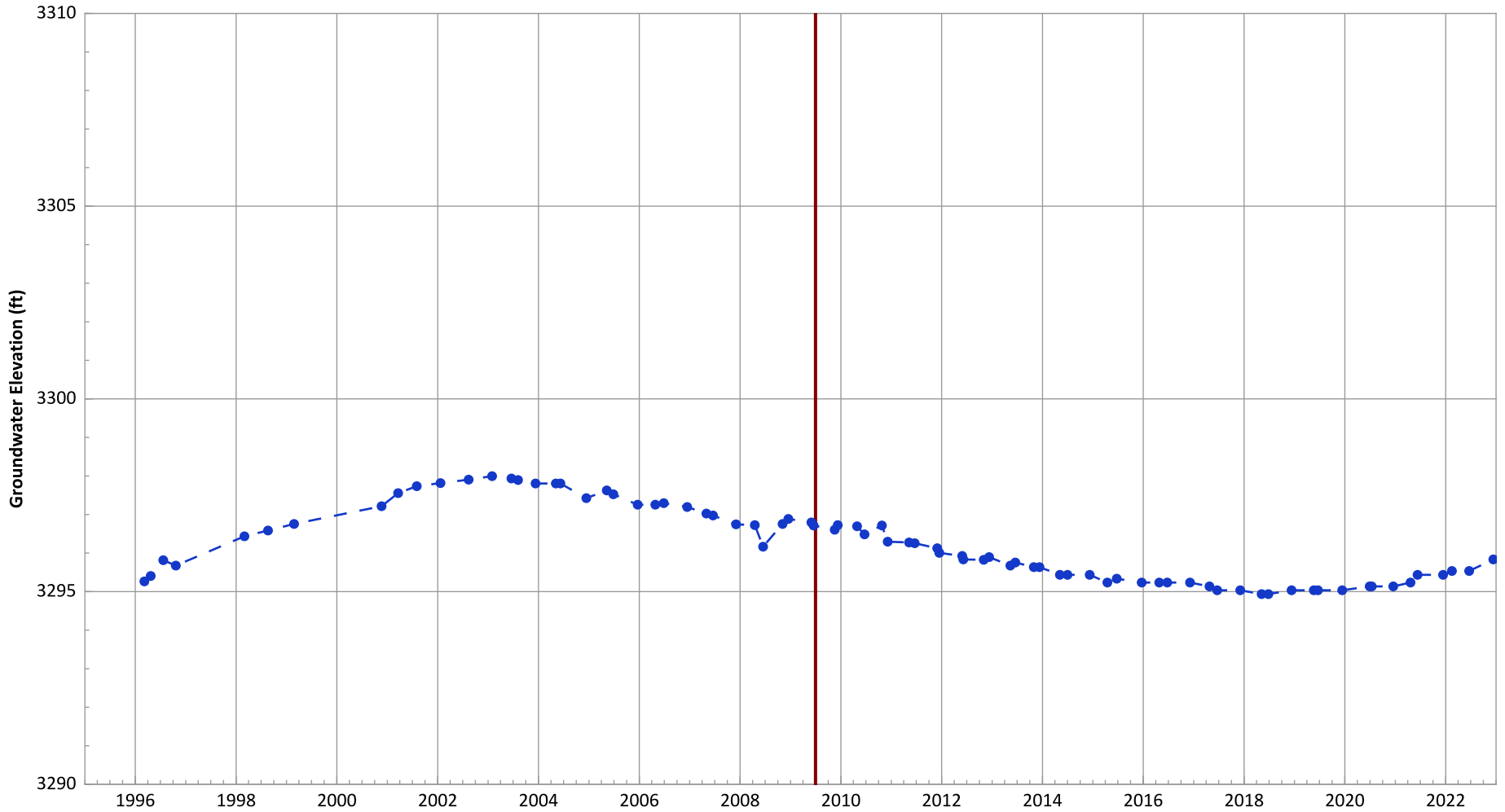
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.15 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.12 ft/yr

**PTX06-1013 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

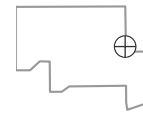


**Notes:**

1. Top of screen elevation is 3306.24 ft msl.
  2. The bottom of screen elevation is 3286.24 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

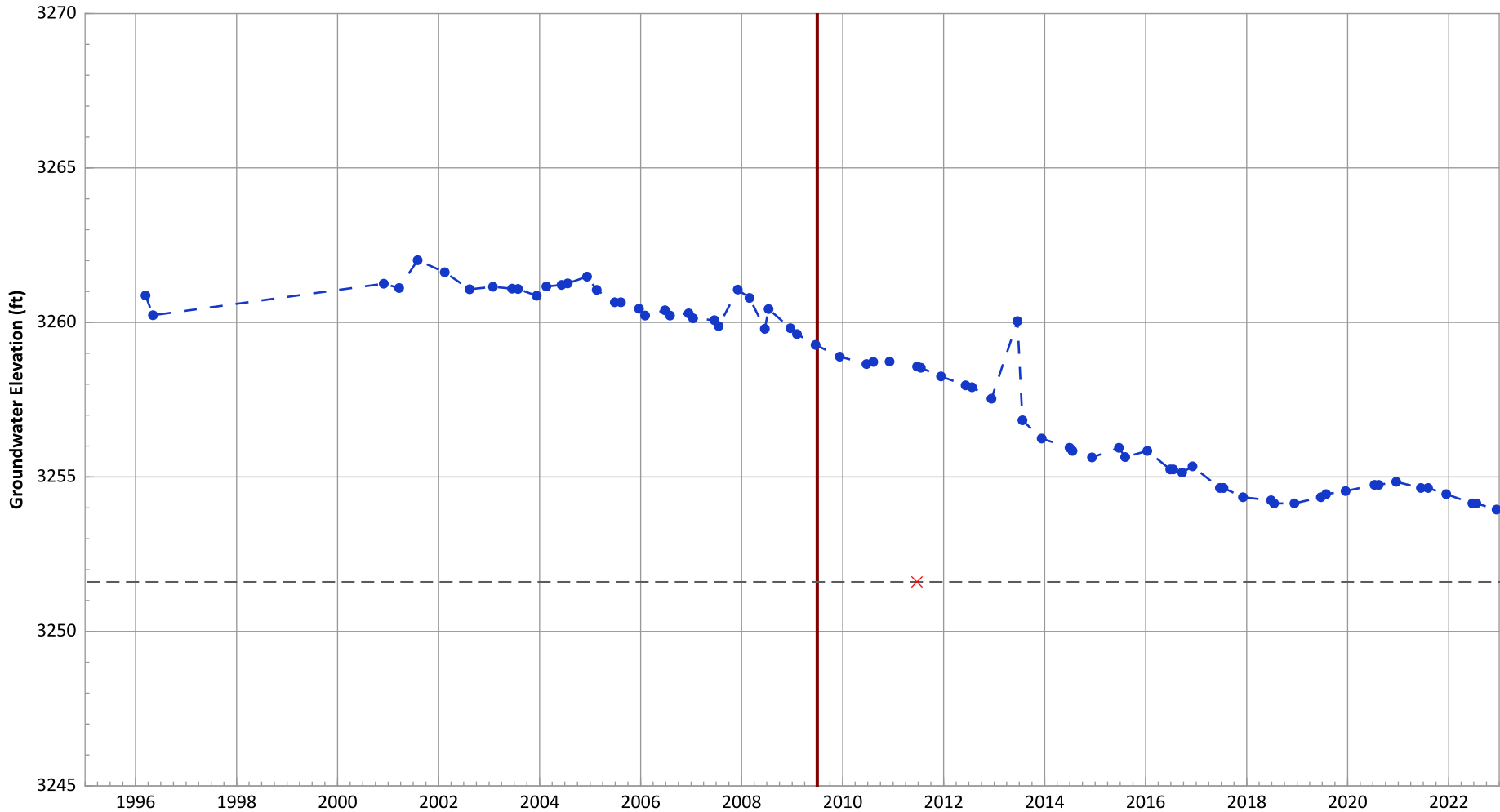
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1014 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



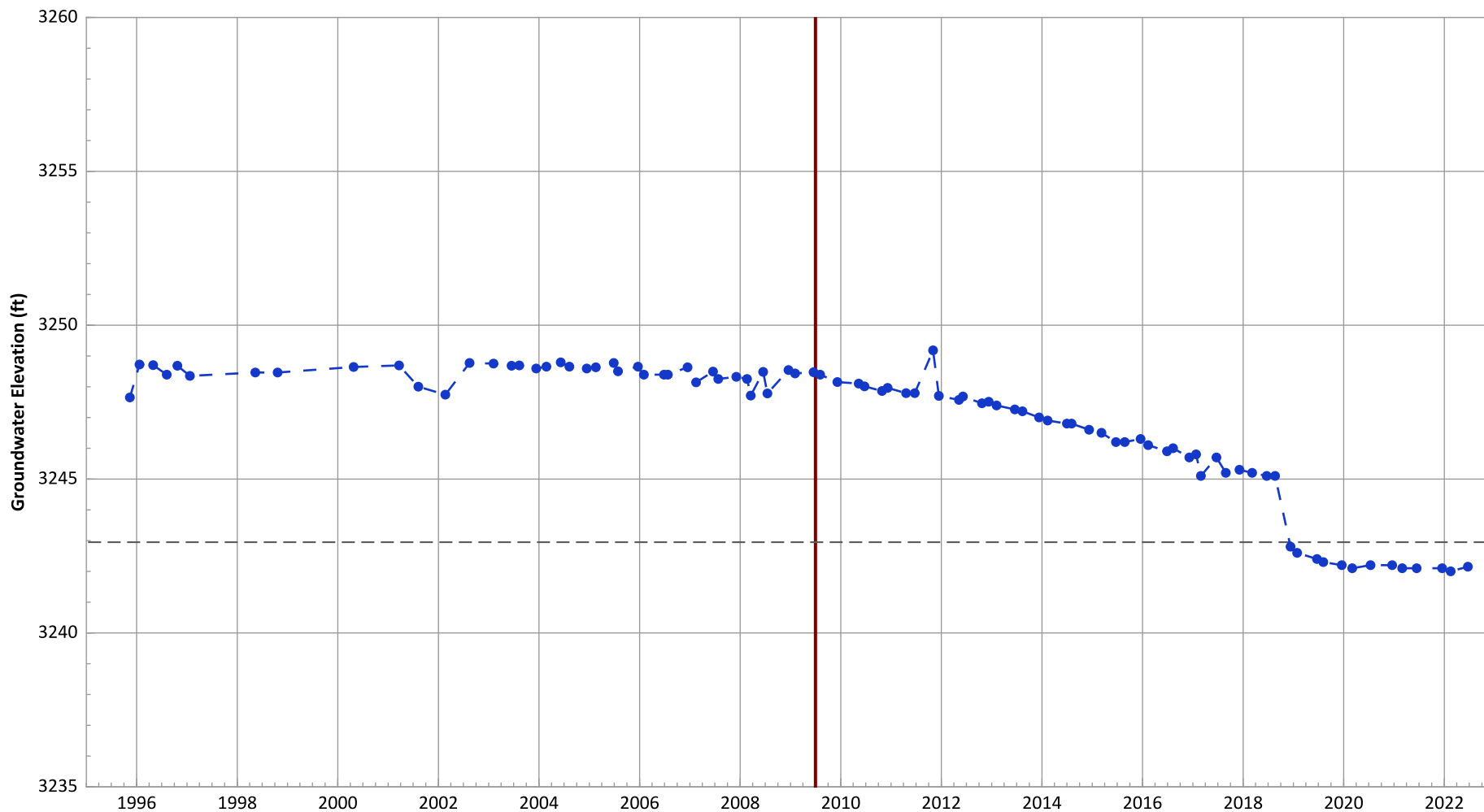
Notes:  
 1. Top of screen elevation is 3271.6 ft msl.  
 2. The bottom of screen elevation is 3251.6 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.38 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1015 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

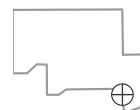


**Notes:**

1. Top of screen elevation is 3252.95 ft msl.
  2. The bottom of screen elevation is 3242.95 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

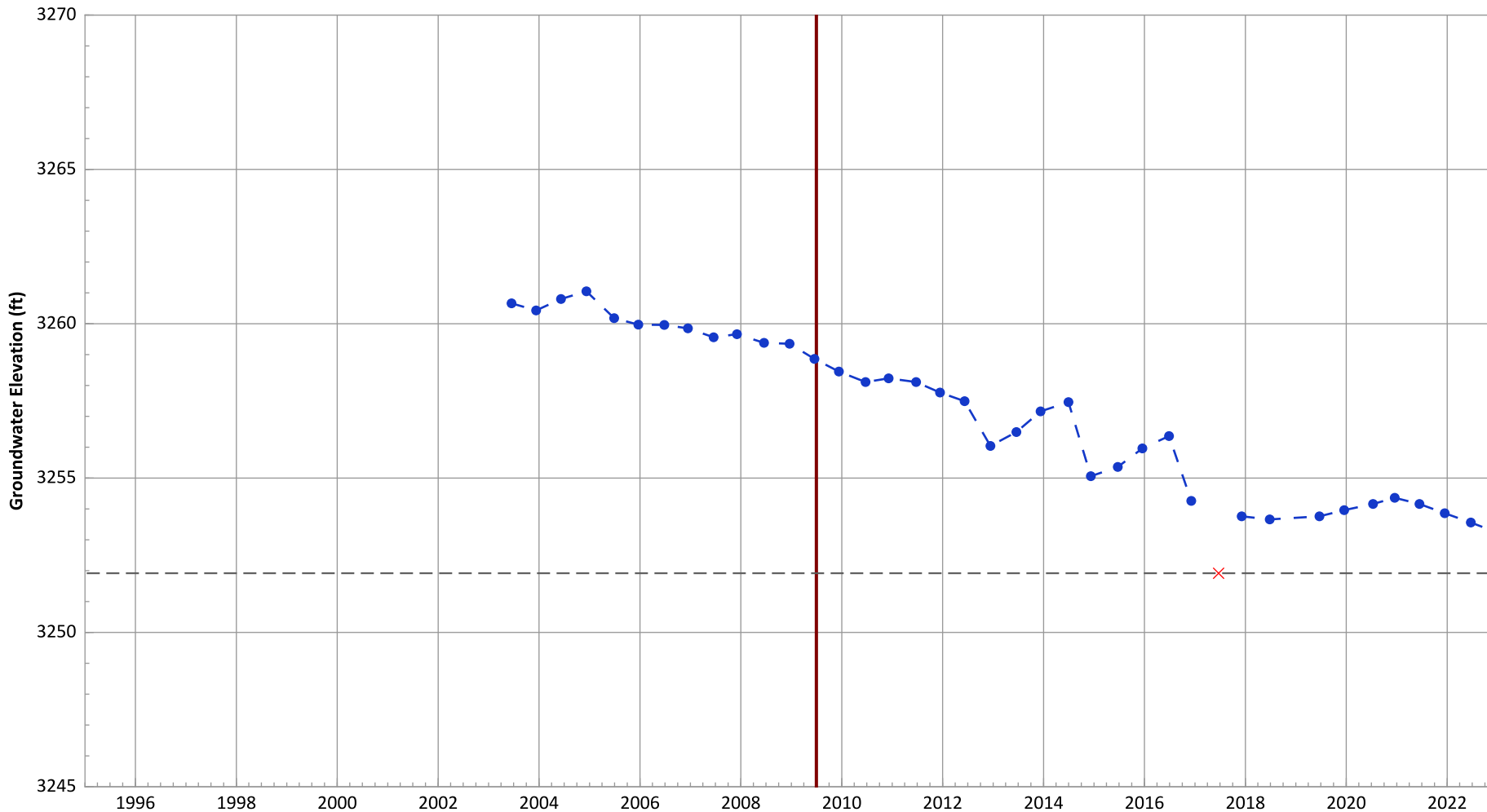
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.25 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.92 ft/yr

**PTX06-1017 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

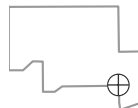


**Notes:**

1. Top of screen elevation is 3271.92 ft msl.
  2. The bottom of screen elevation is 3251.92 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

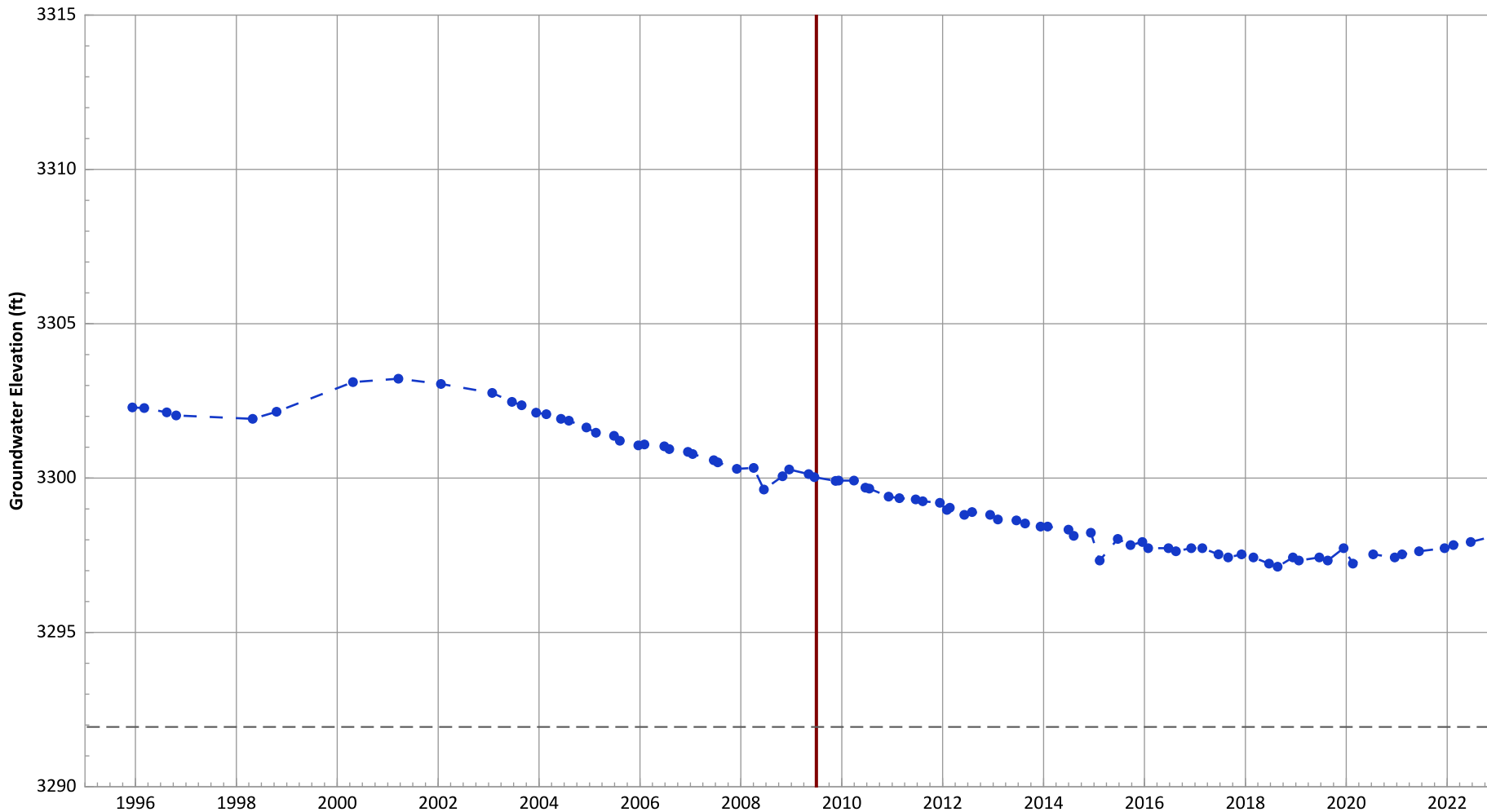
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.42 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.11 ft/yr

**PTX06-1023 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3306.94 ft msl.
  2. The bottom of screen elevation is 3291.94 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

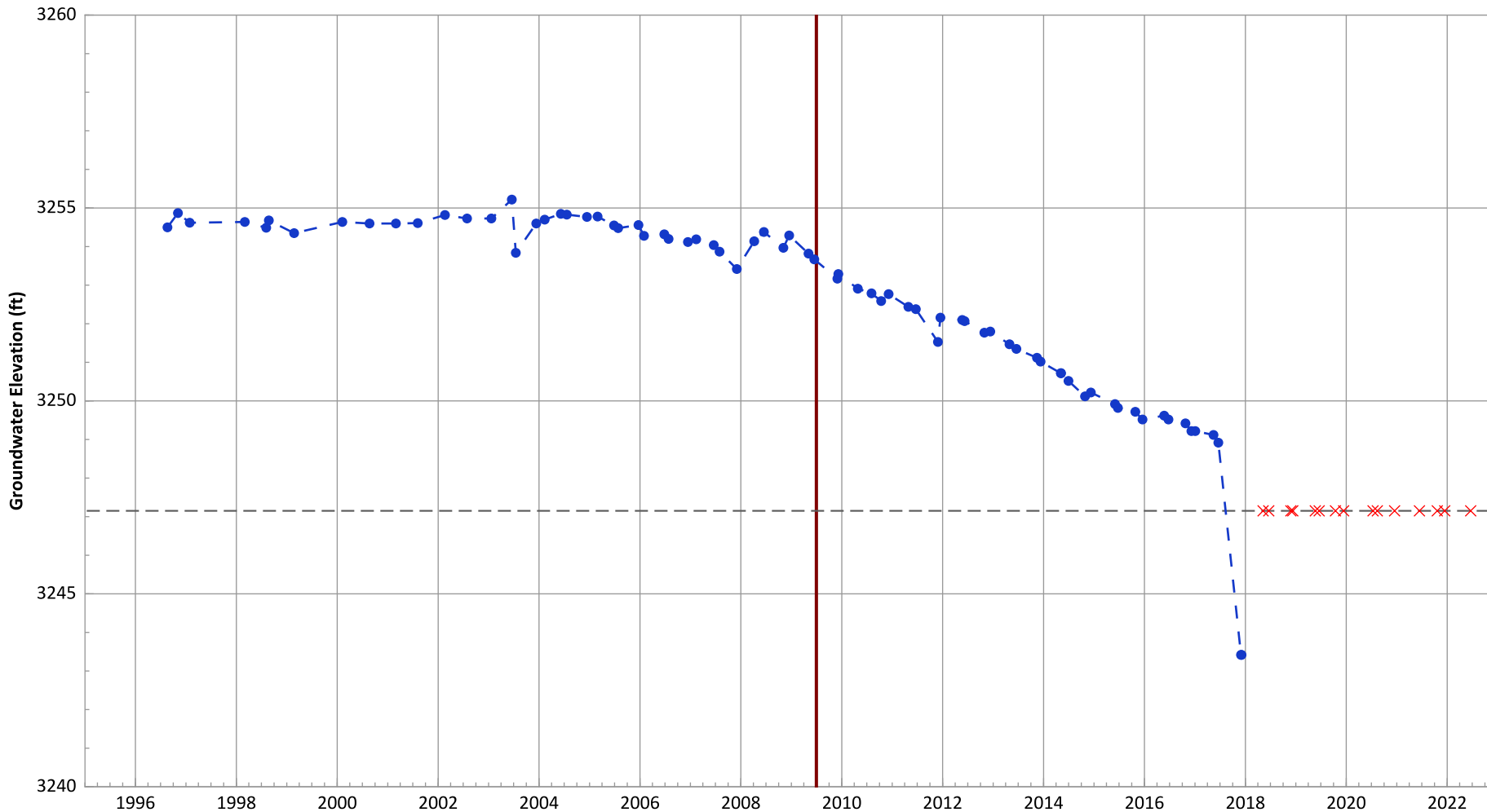
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.25 ft/yr  
 Data (1/2017 - 1/2021): No Trend

PTX06-1030 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

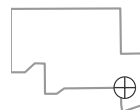


Notes:

1. Top of screen elevation is 3267.15 ft msl.
  2. The bottom of screen elevation is 3247.15 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

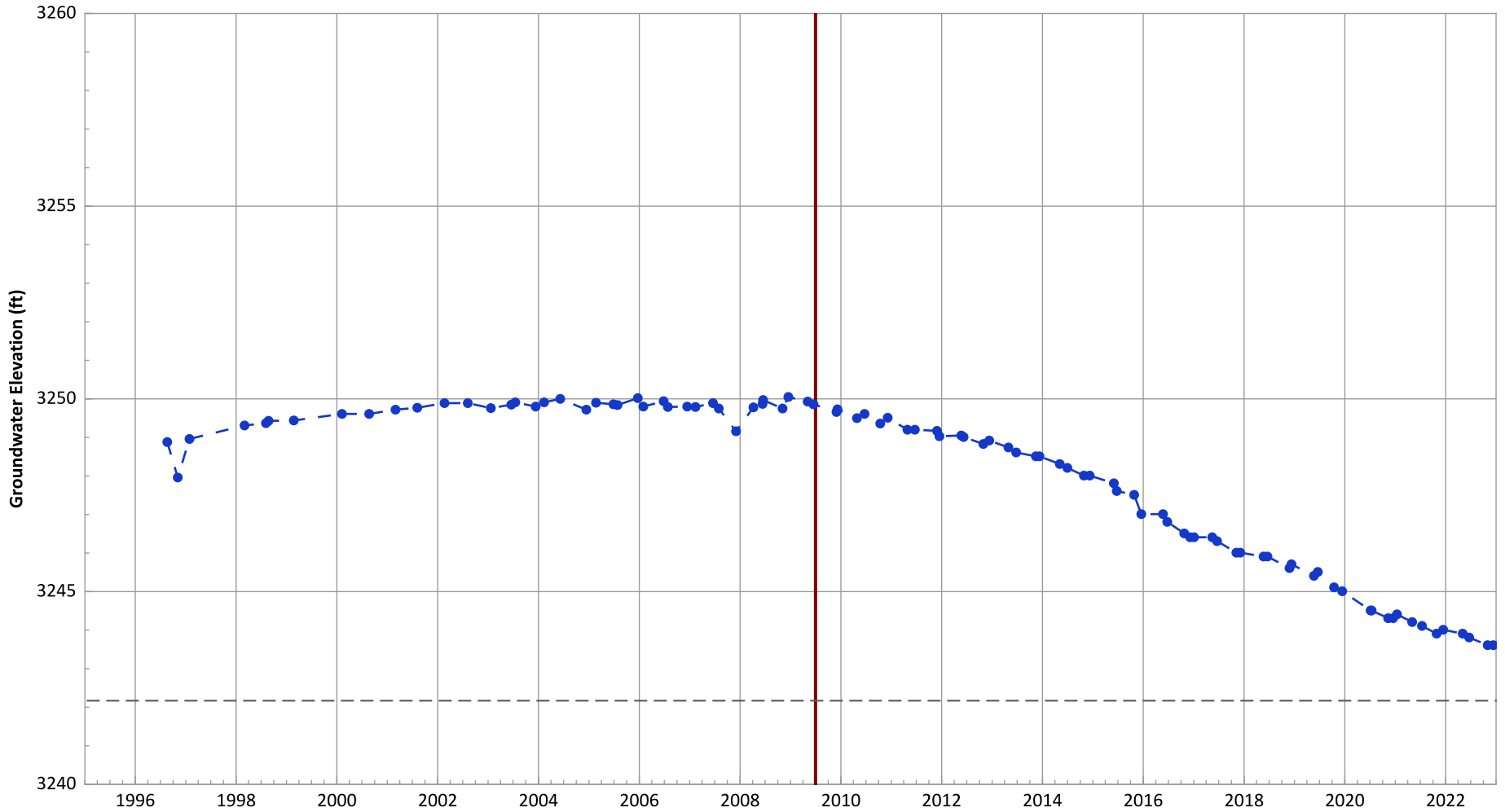
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.35 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 7.27 ft/yr

**PTX06-1031 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

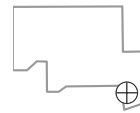


**Notes:**

1. Top of screen elevation is 3262.17 ft msl.
  2. The bottom of screen elevation is 3242.17 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**

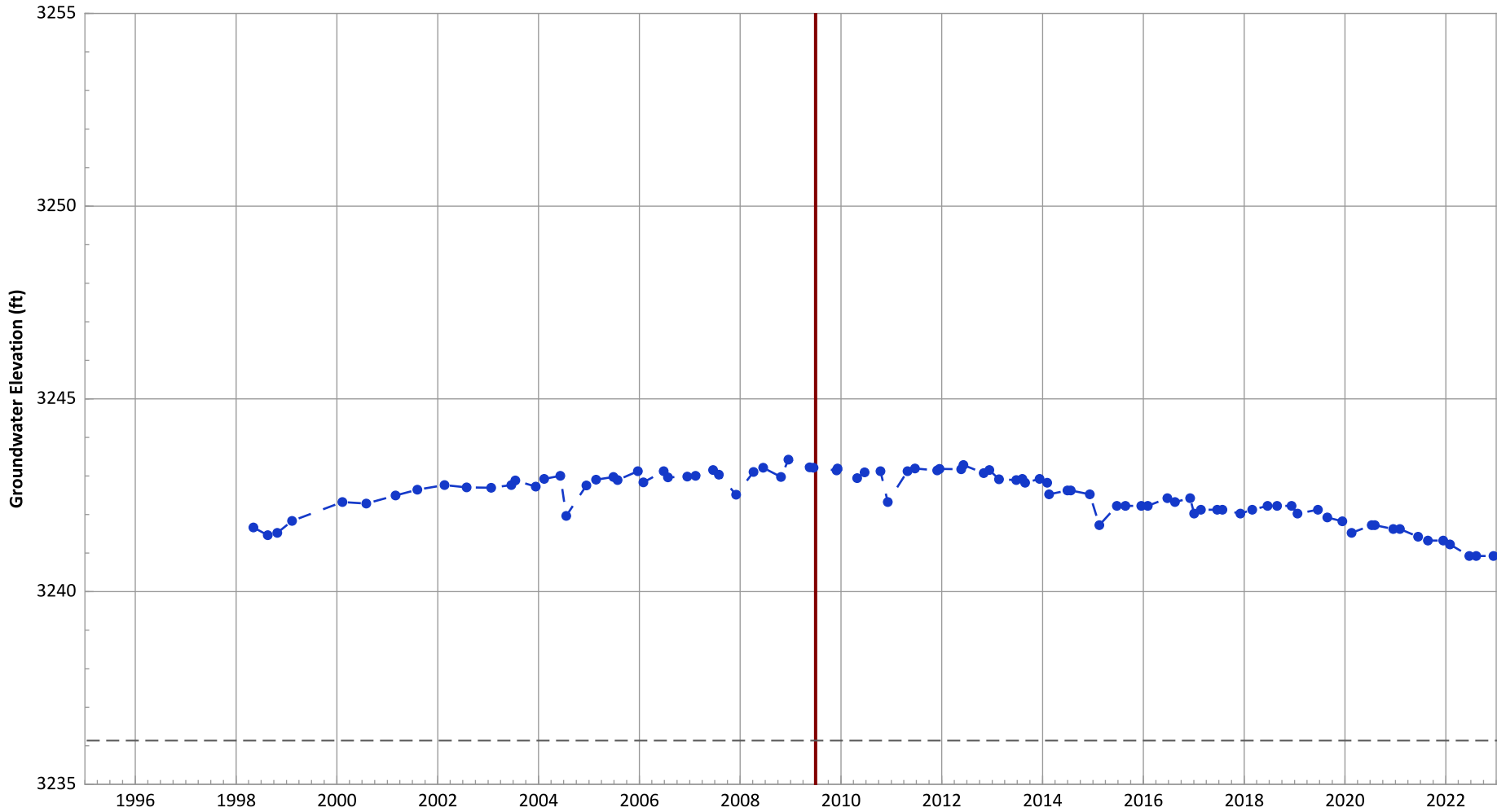


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.24 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.55 ft/yr



**PTX06-1034 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3249.84 ft msl.
  2. The bottom of screen elevation is 3236.14 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

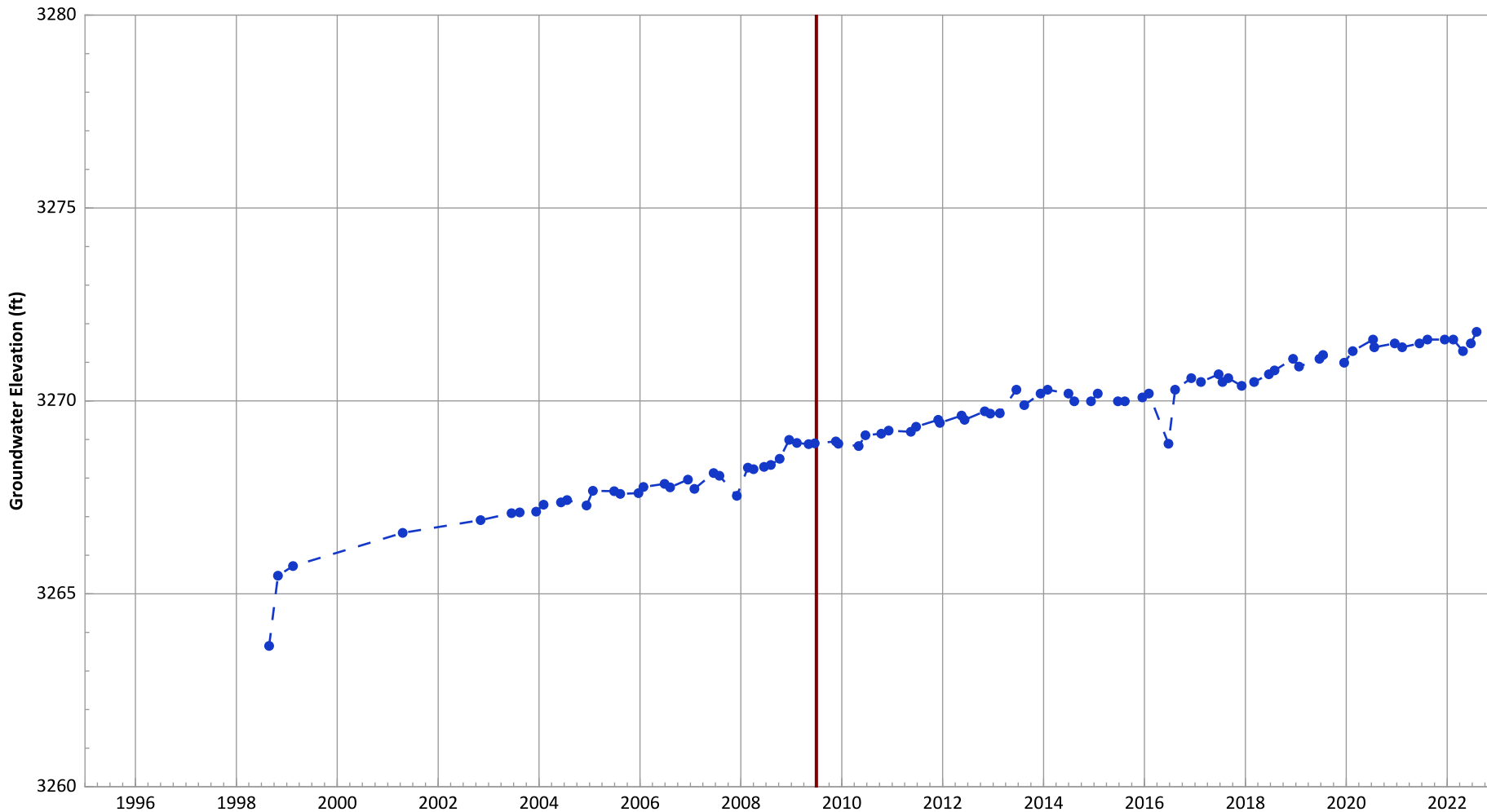
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.17 ft/yr

**PTX06-1035 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

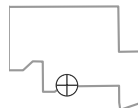


**Notes:**

1. Top of screen elevation is 3269.88 ft msl.
  2. The bottom of screen elevation is 3256.18 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

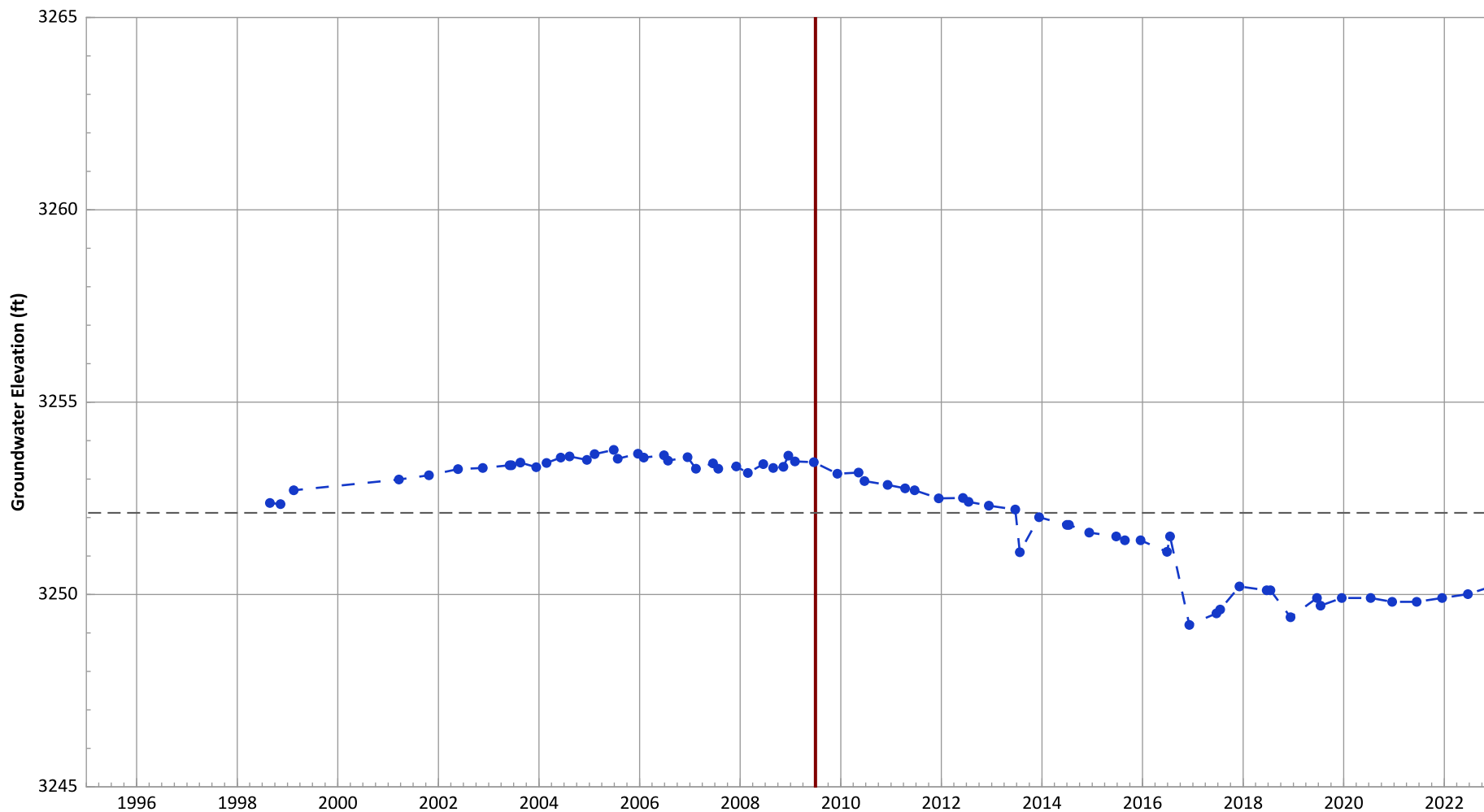
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.25 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.26 ft/yr

**PTX06-1036 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

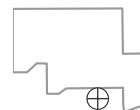


**Notes:**

1. Top of screen elevation is 3265.72 ft msl.
  2. The bottom of screen elevation is 3252.12 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

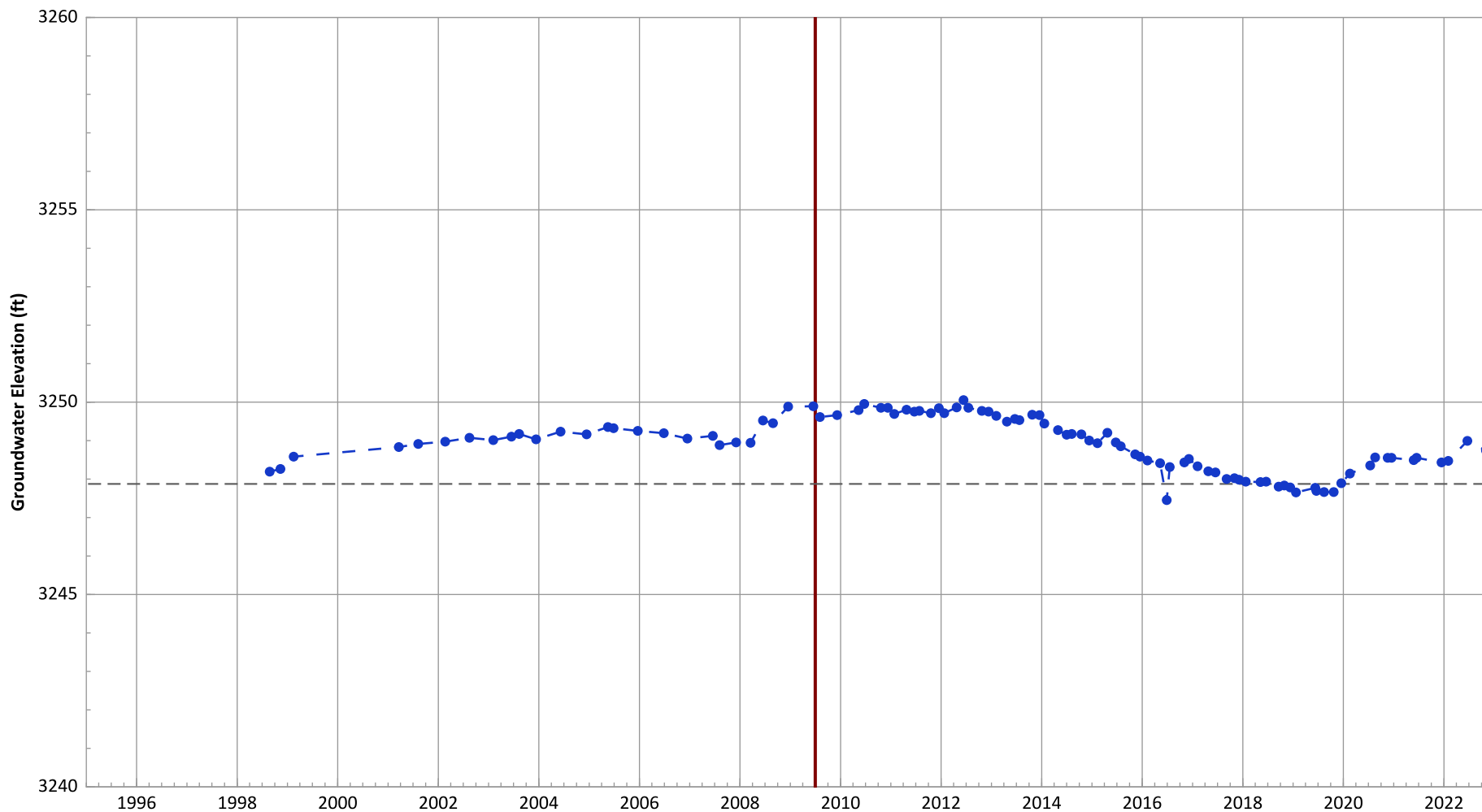
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.19 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1037 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

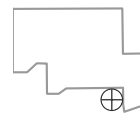


**Notes:**

1. Top of screen elevation is 3261.47 ft msl.
  2. The bottom of screen elevation is 3247.87 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

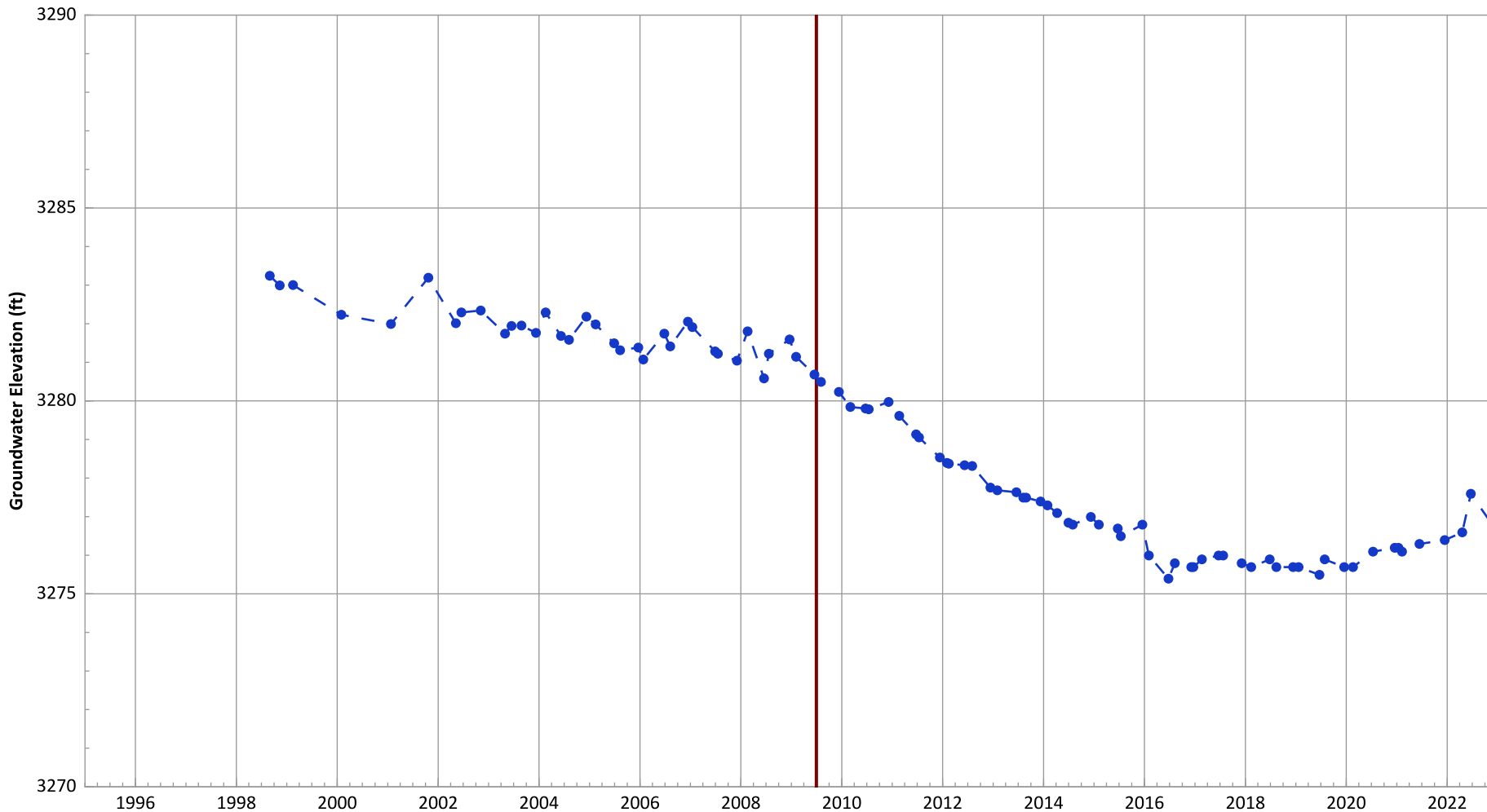
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.1 ft/yr

**PTX06-1038 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

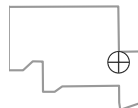


**Notes:**

1. Top of screen elevation is 3284.33 ft msl.
  2. The bottom of screen elevation is 3260.73 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

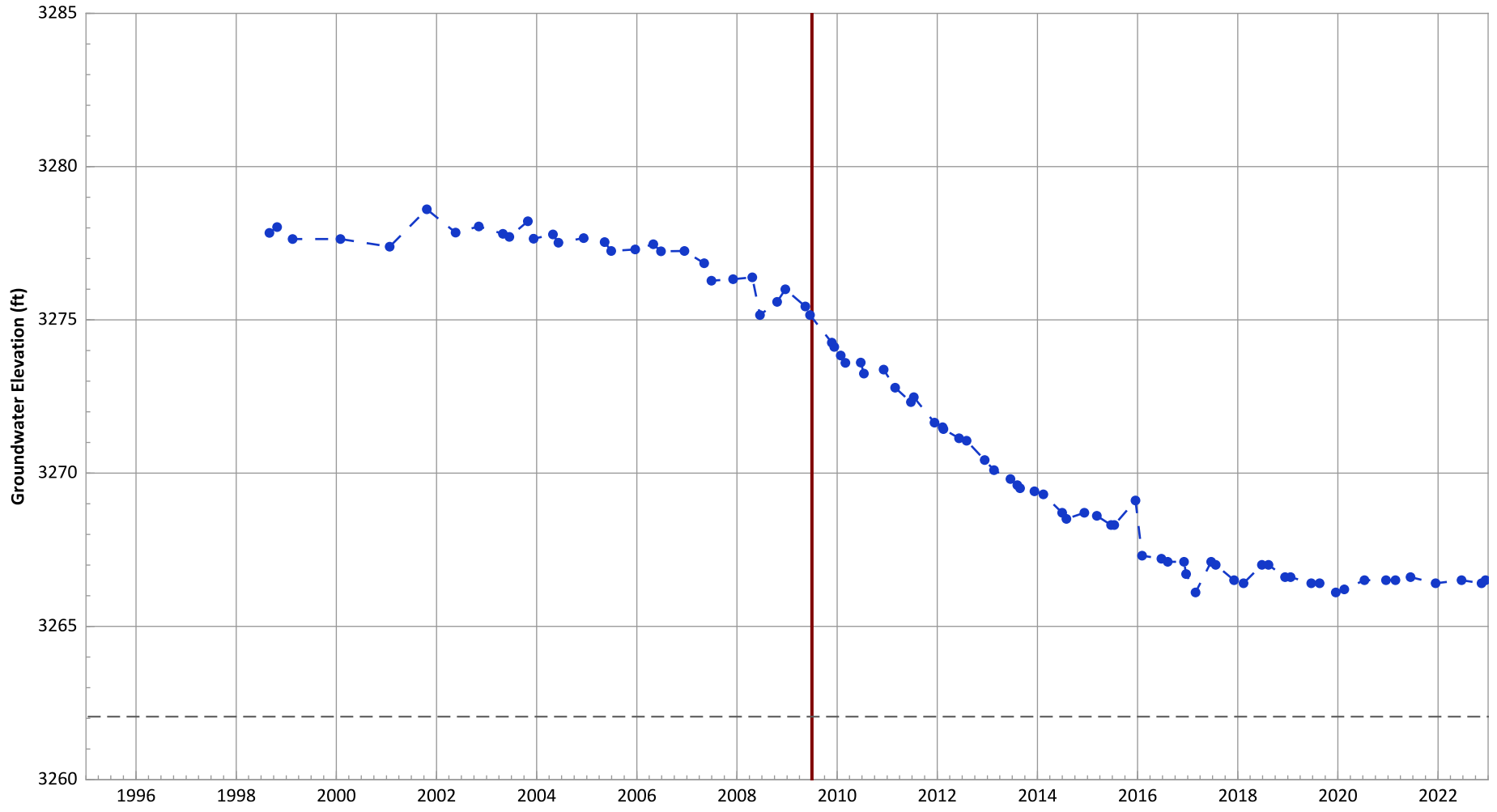
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.38 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1039A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

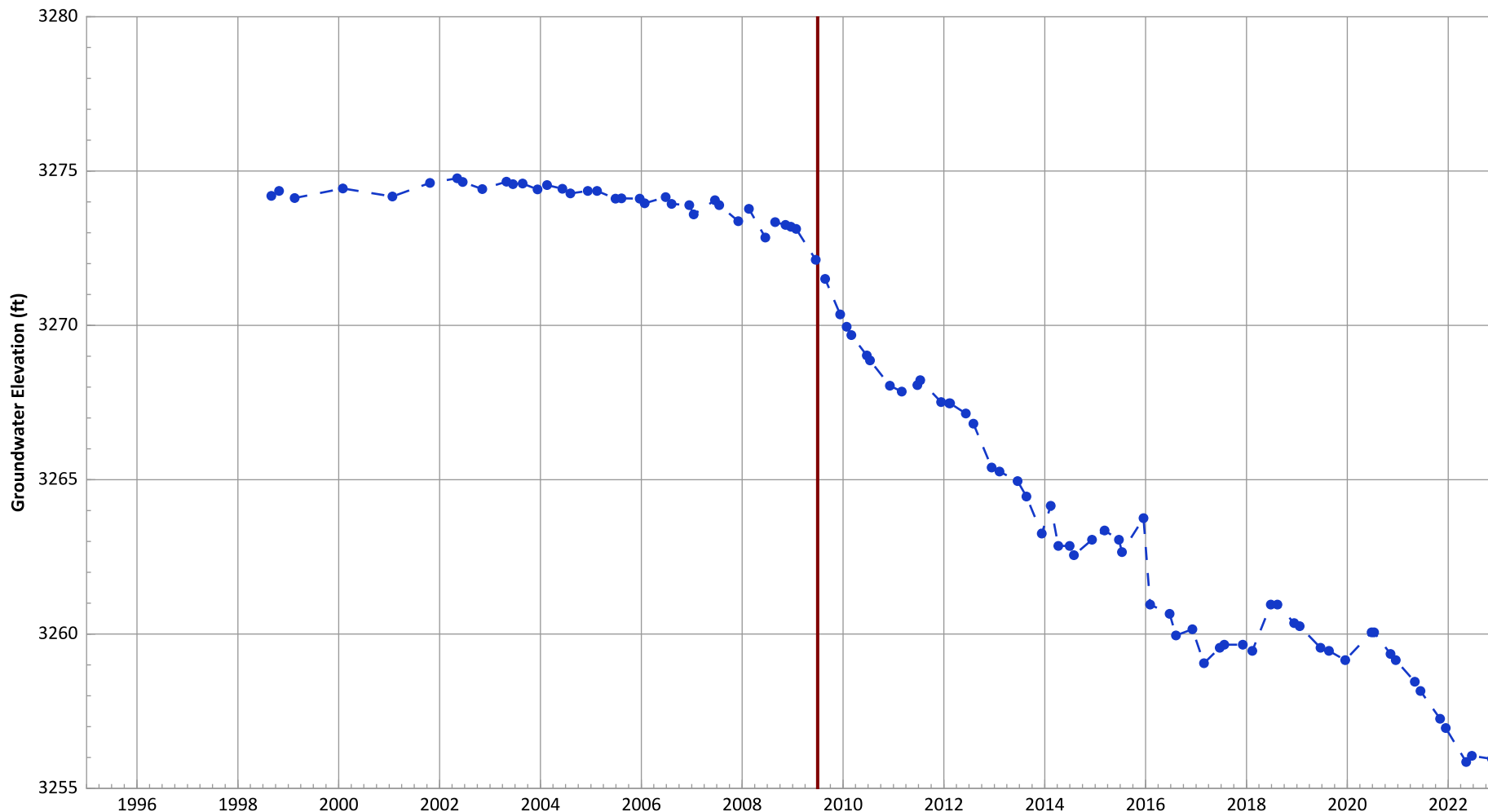
1. Top of screen elevation is 3285.76 ft msl.
  2. The bottom of screen elevation is 3262.05 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Decreasing at 0.68 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-1040 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

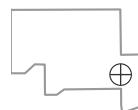


Notes:

1. Top of screen elevation is 3295.32 ft msl.
  2. The bottom of screen elevation is 3254.52 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

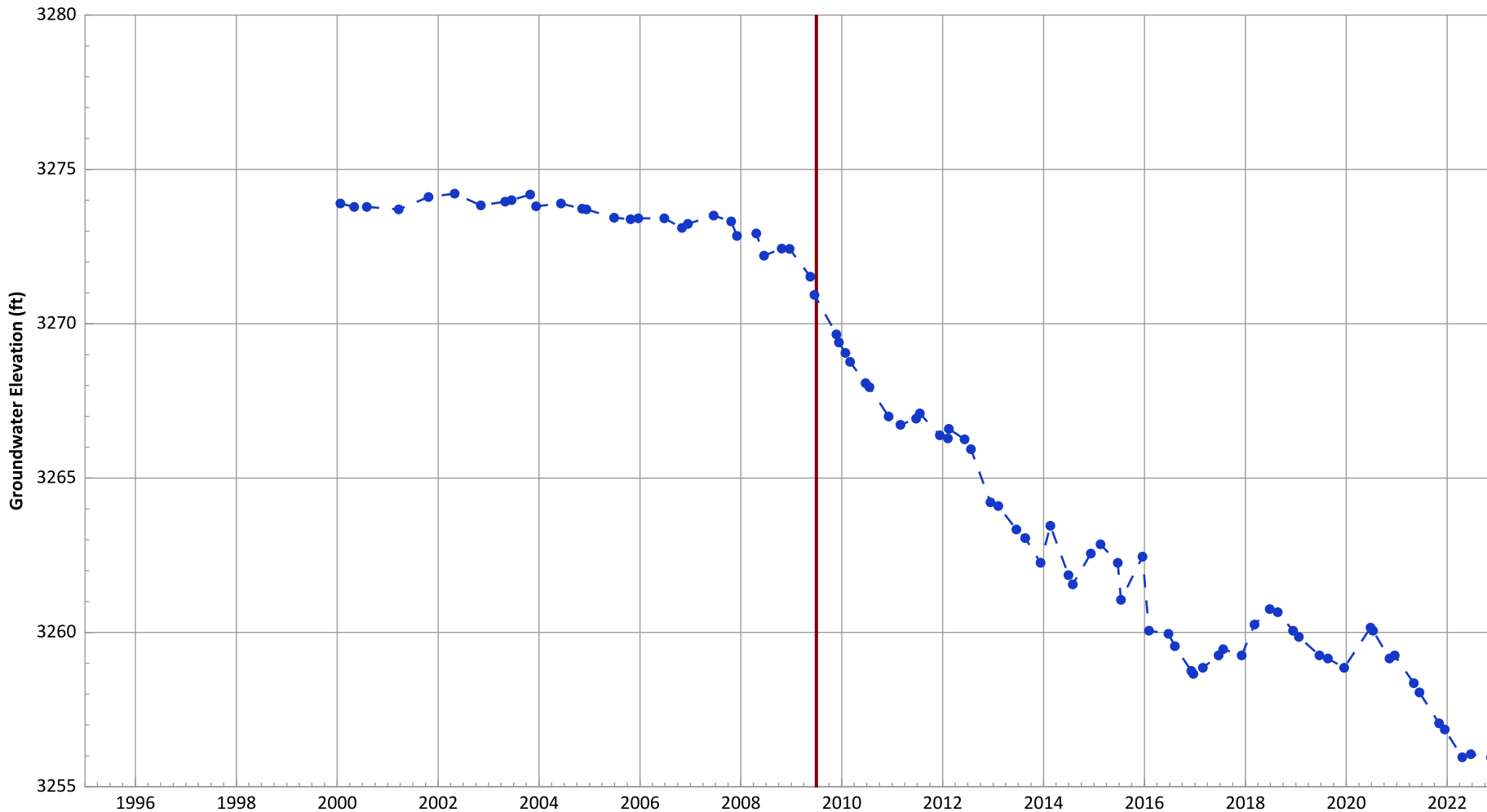
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.95 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.42 ft/yr

PTX06-1041 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

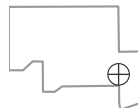


Notes:

1. Top of screen elevation is 3279.61 ft msl.
  2. The bottom of screen elevation is 3239.61 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

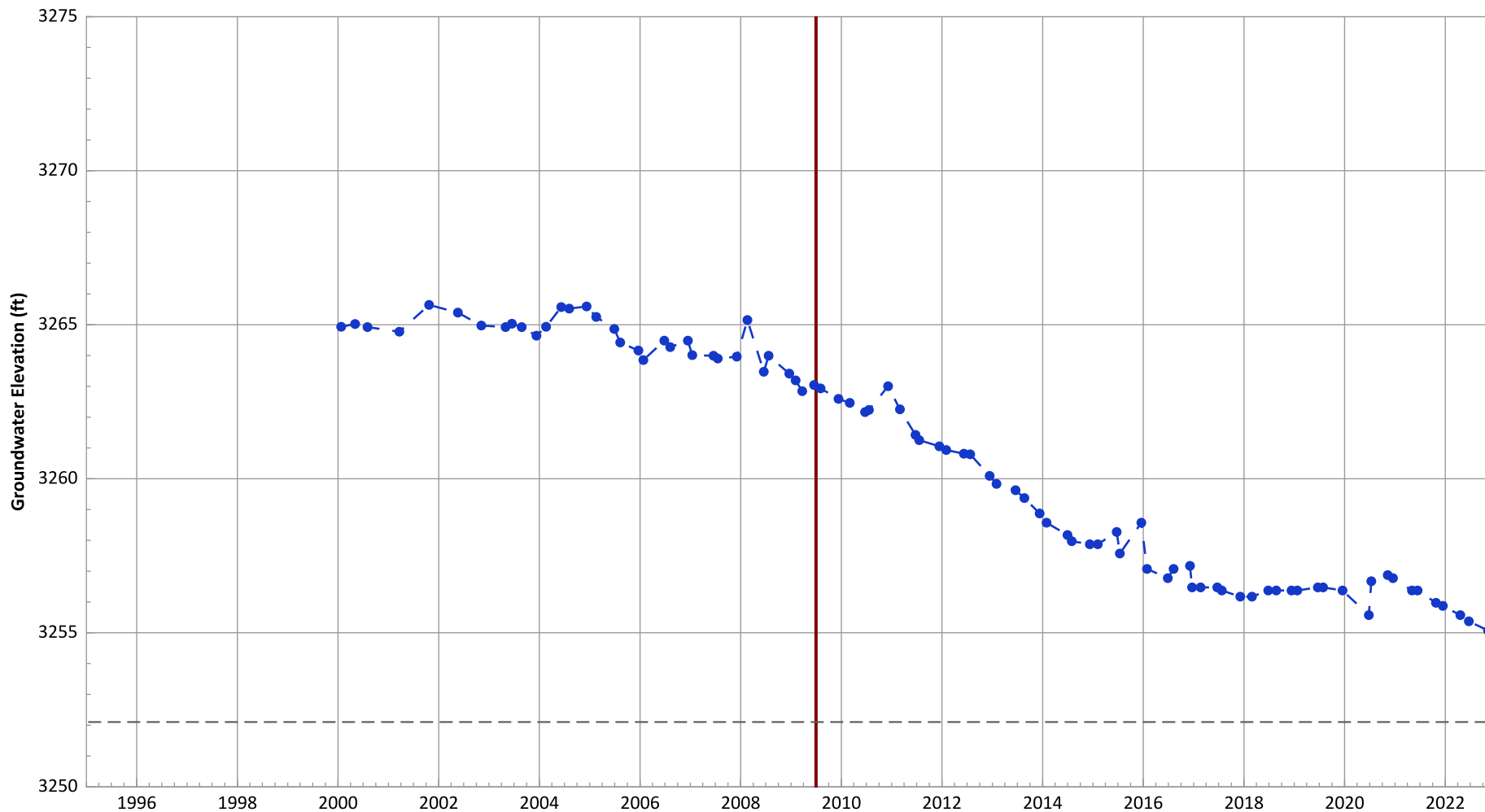


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.95 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.4 ft/yr



**PTX06-1042 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

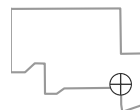


**Notes:**

1. Top of screen elevation is 3272.1 ft msl.
  2. The bottom of screen elevation is 3252.1 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

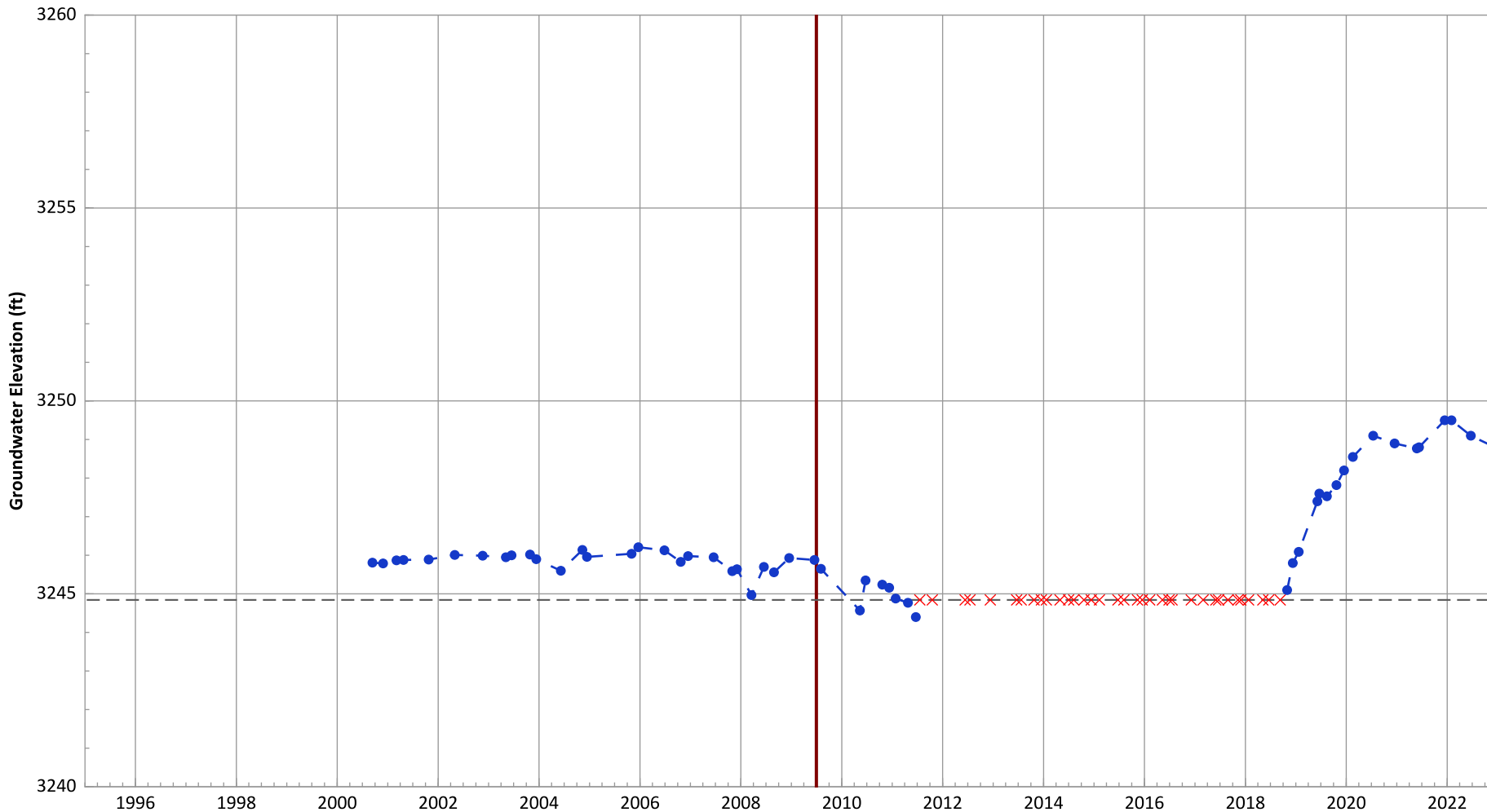
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.55 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1045 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

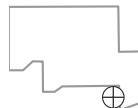


**Notes:**

1. Top of screen elevation is 3264.84 ft msl.
  2. The bottom of screen elevation is 3244.84 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

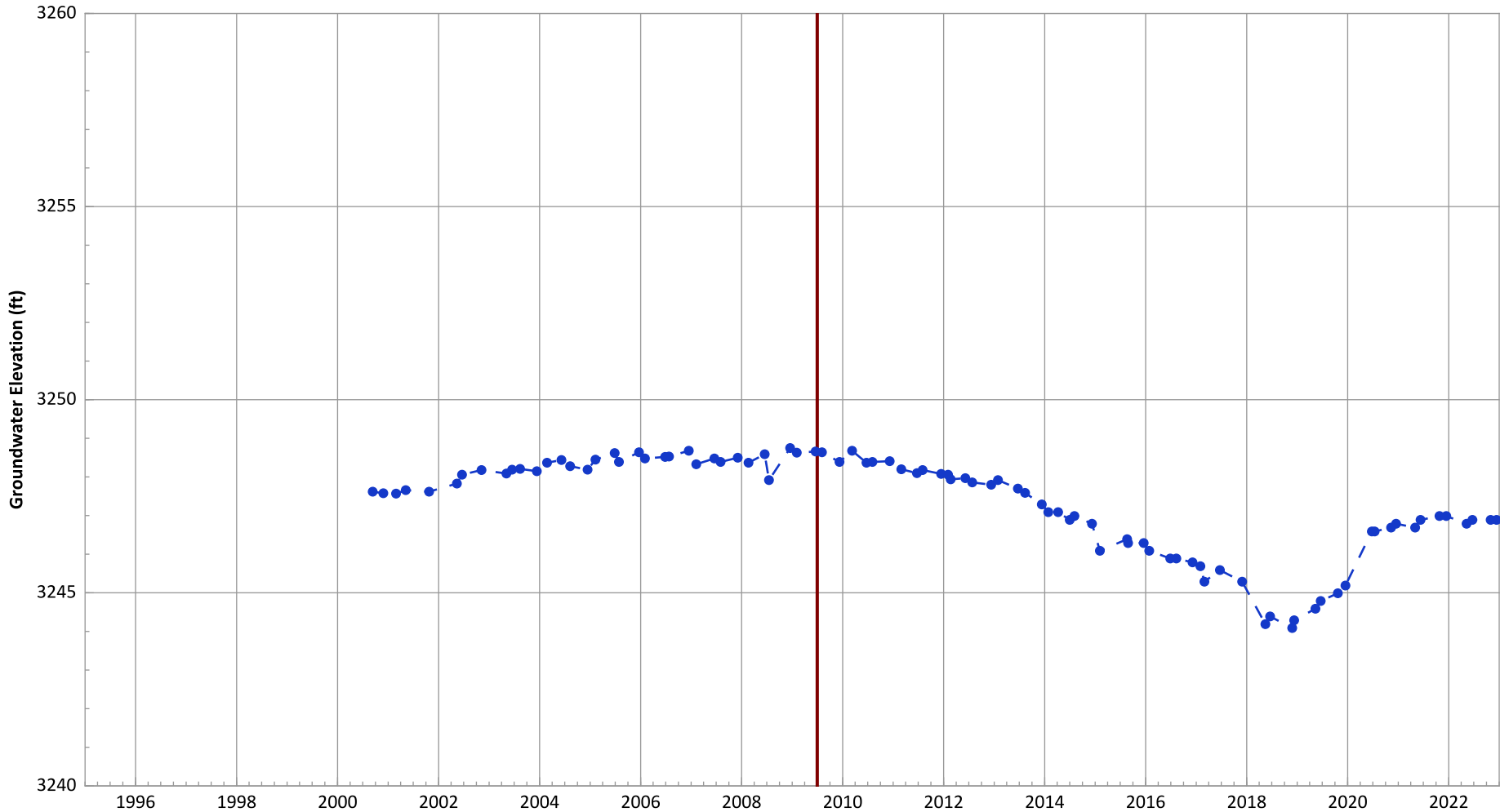
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.14 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.17 ft/yr

**PTX06-1046 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

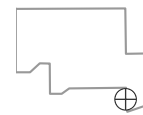


**Notes:**

1. Top of screen elevation is 3253.04 ft msl.
  2. The bottom of screen elevation is 3233.04 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

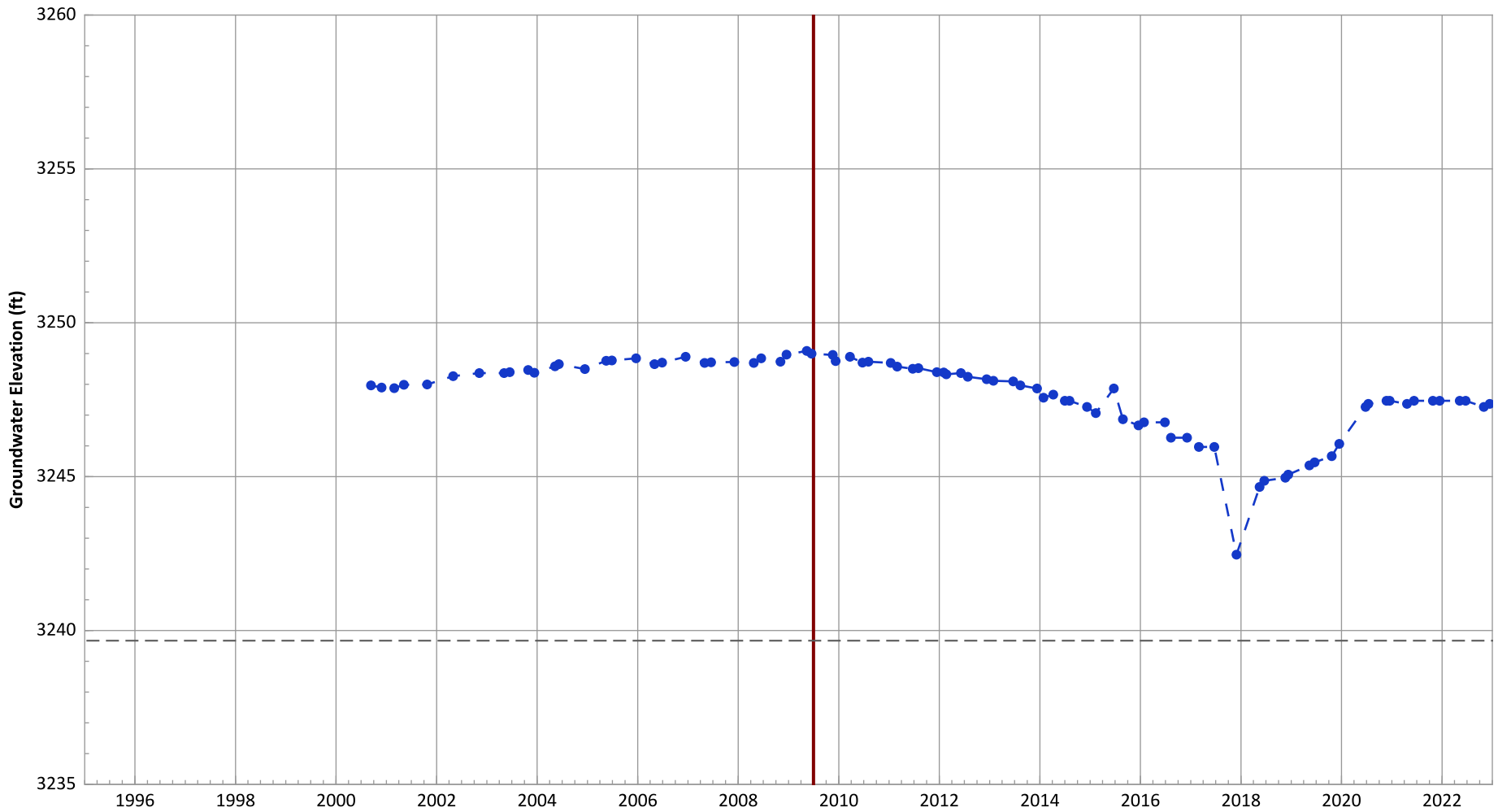
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.14 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.47 ft/yr

**PTX06-1047A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

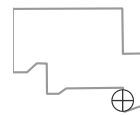


**Notes:**

1. Top of screen elevation is 3259.67 ft msl.
  2. The bottom of screen elevation is 3239.67 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

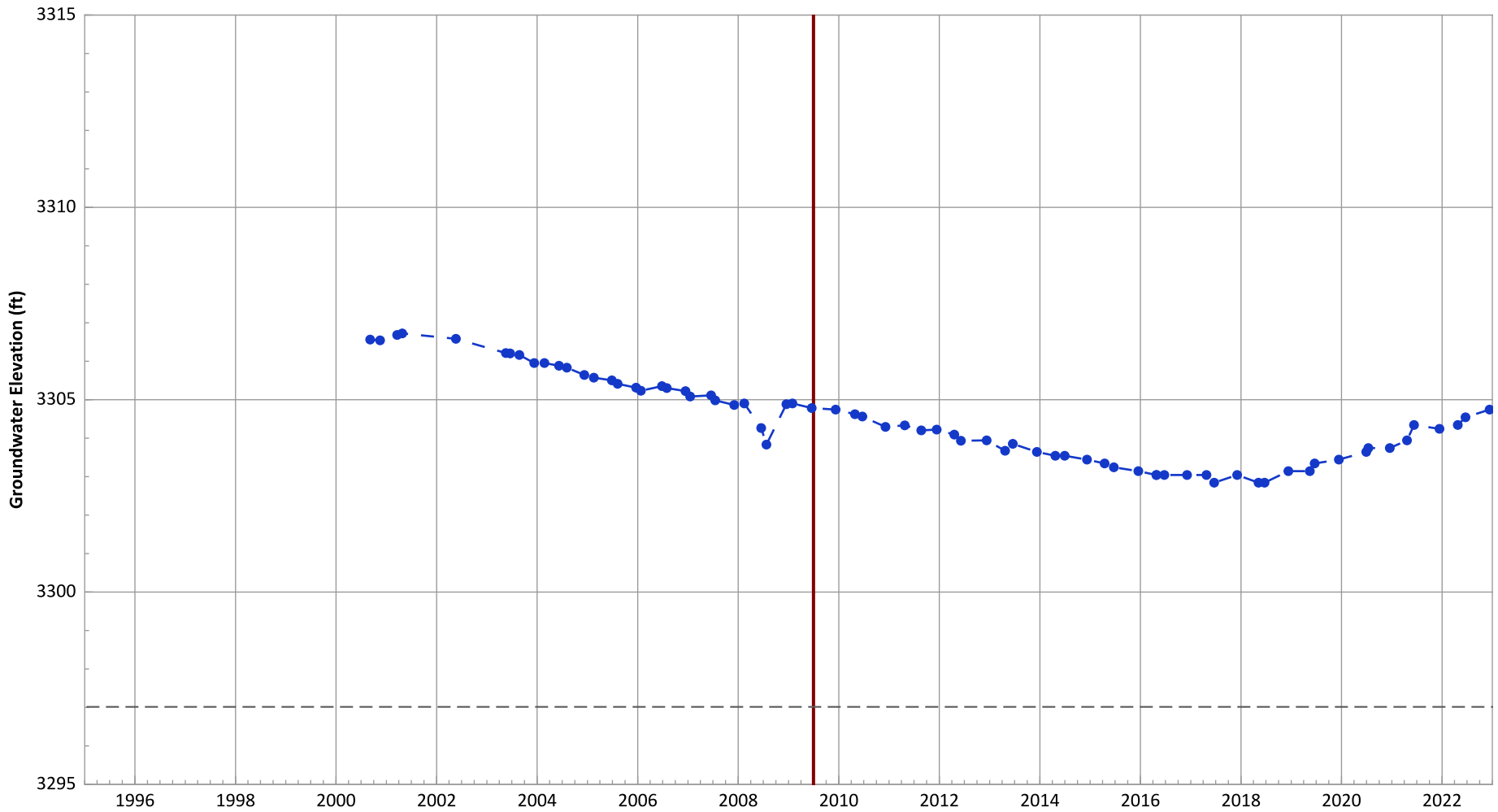
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.12 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.73 ft/yr

**PTX06-1048A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

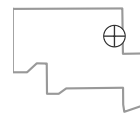


**Notes:**

1. Top of screen elevation is 3317.01 ft msl.
  2. The bottom of screen elevation is 3297.01 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

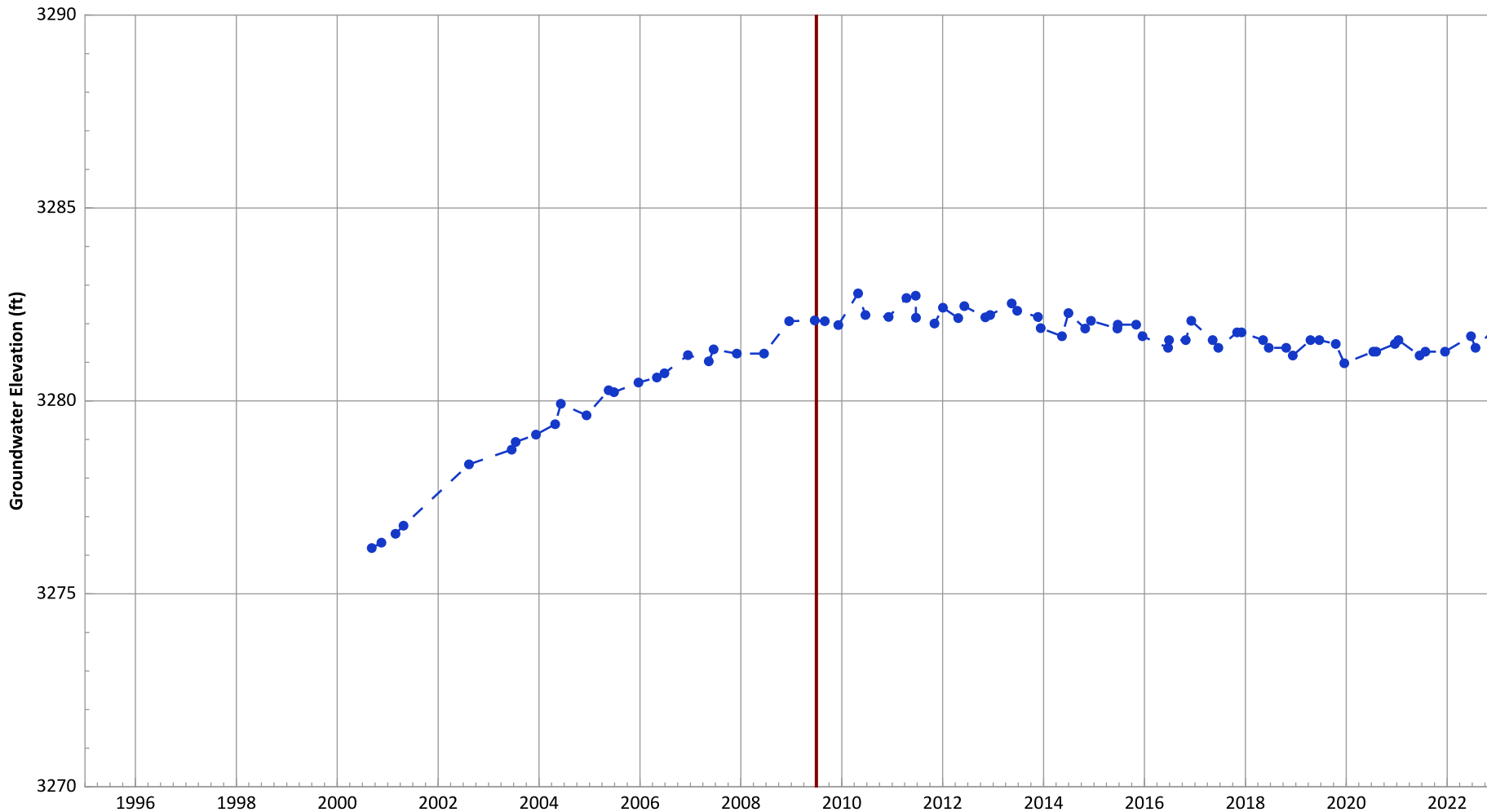
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.15 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.31 ft/yr

PTX06-1049 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3283.38 ft msl.
  2. The bottom of screen elevation is 3243.38 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

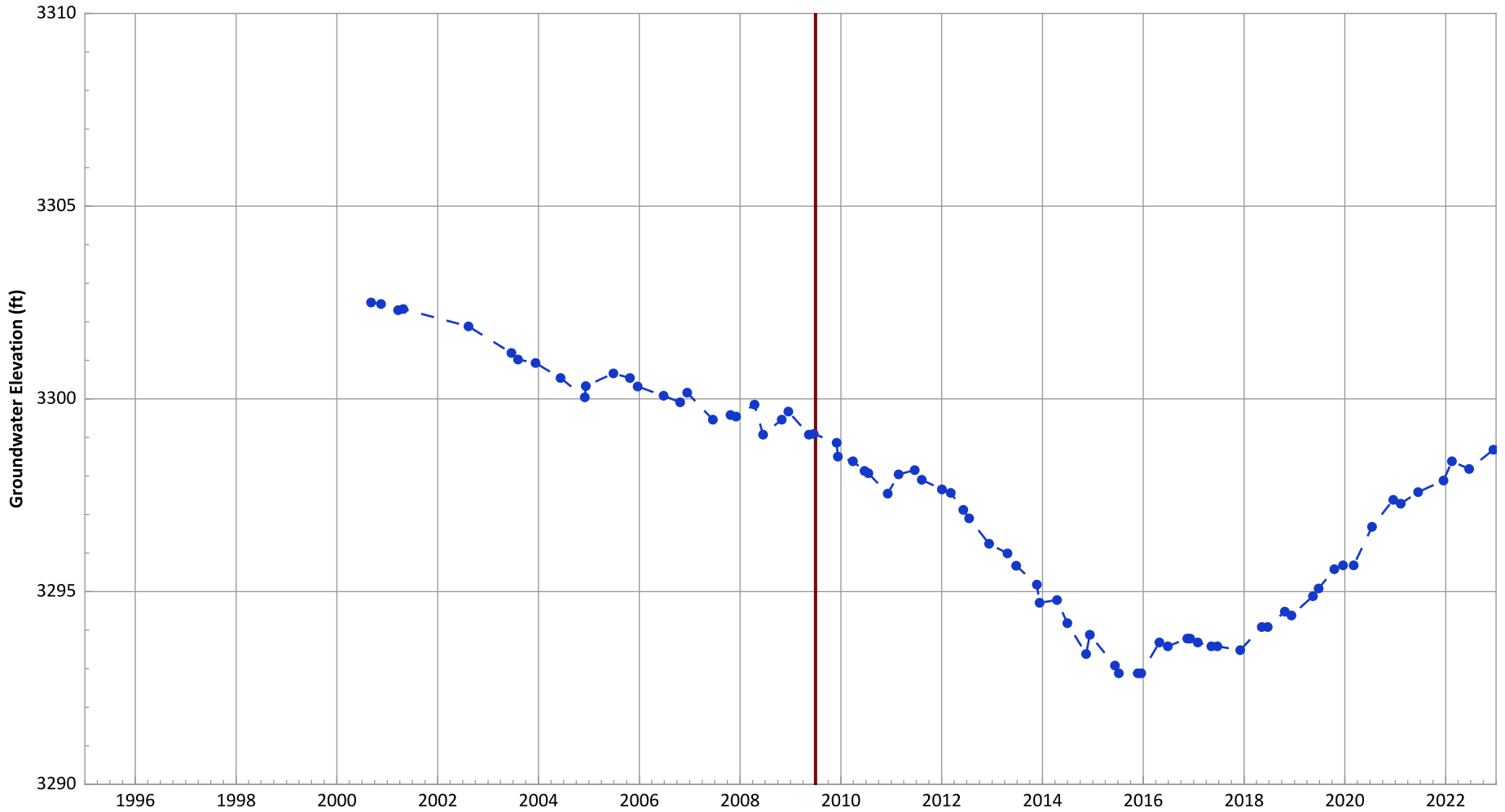
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.14 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1050 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

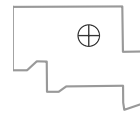


**Notes:**

1. Top of screen elevation is 3294.96 ft msl.
  2. The bottom of screen elevation is 3264.96 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

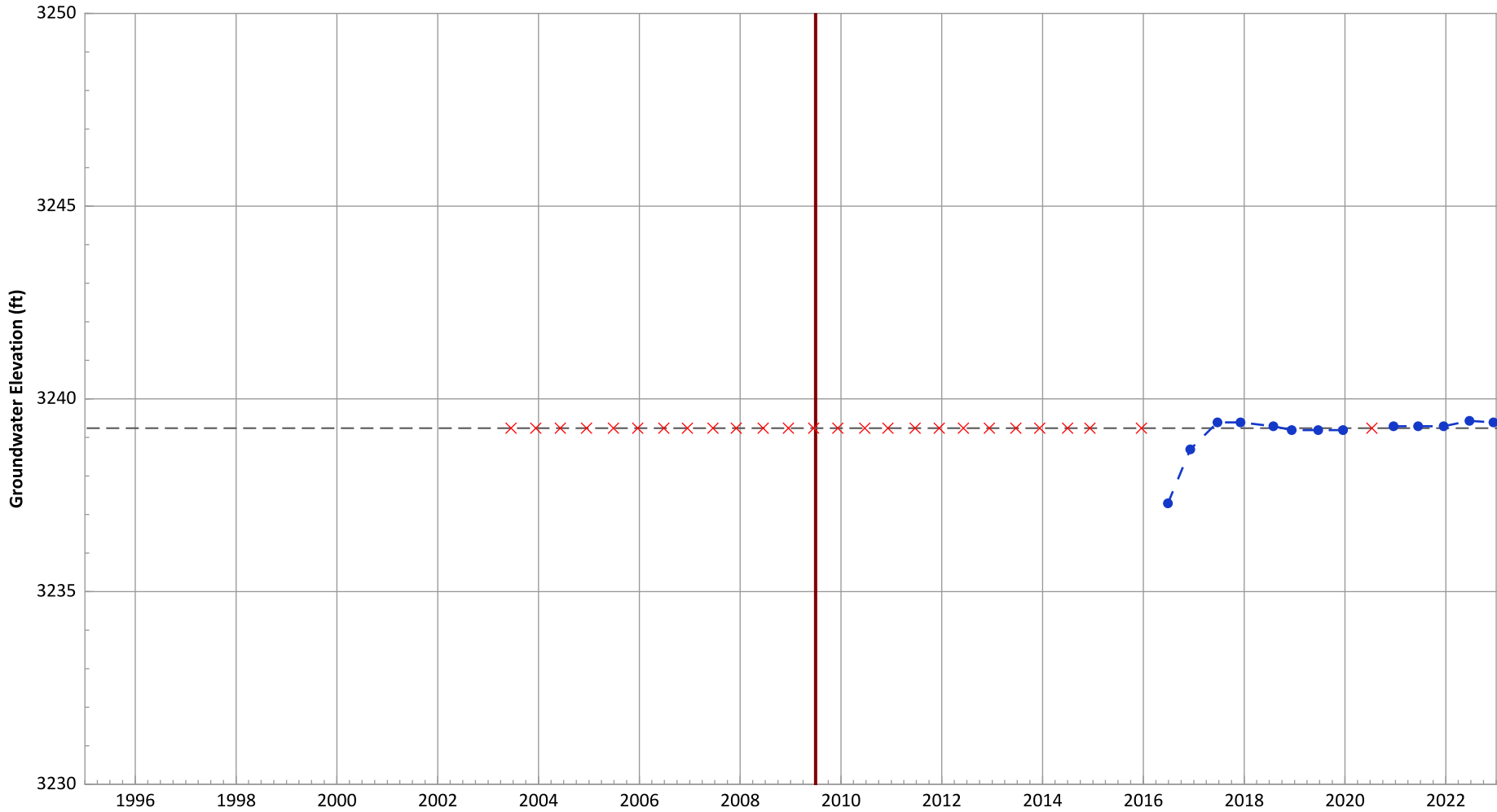
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.35 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.01 ft/yr

**PTX06-1051 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



Notes:  
 1. Top of screen elevation is 3249.24 ft msl.  
 2. The bottom of screen elevation is 3239.24 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

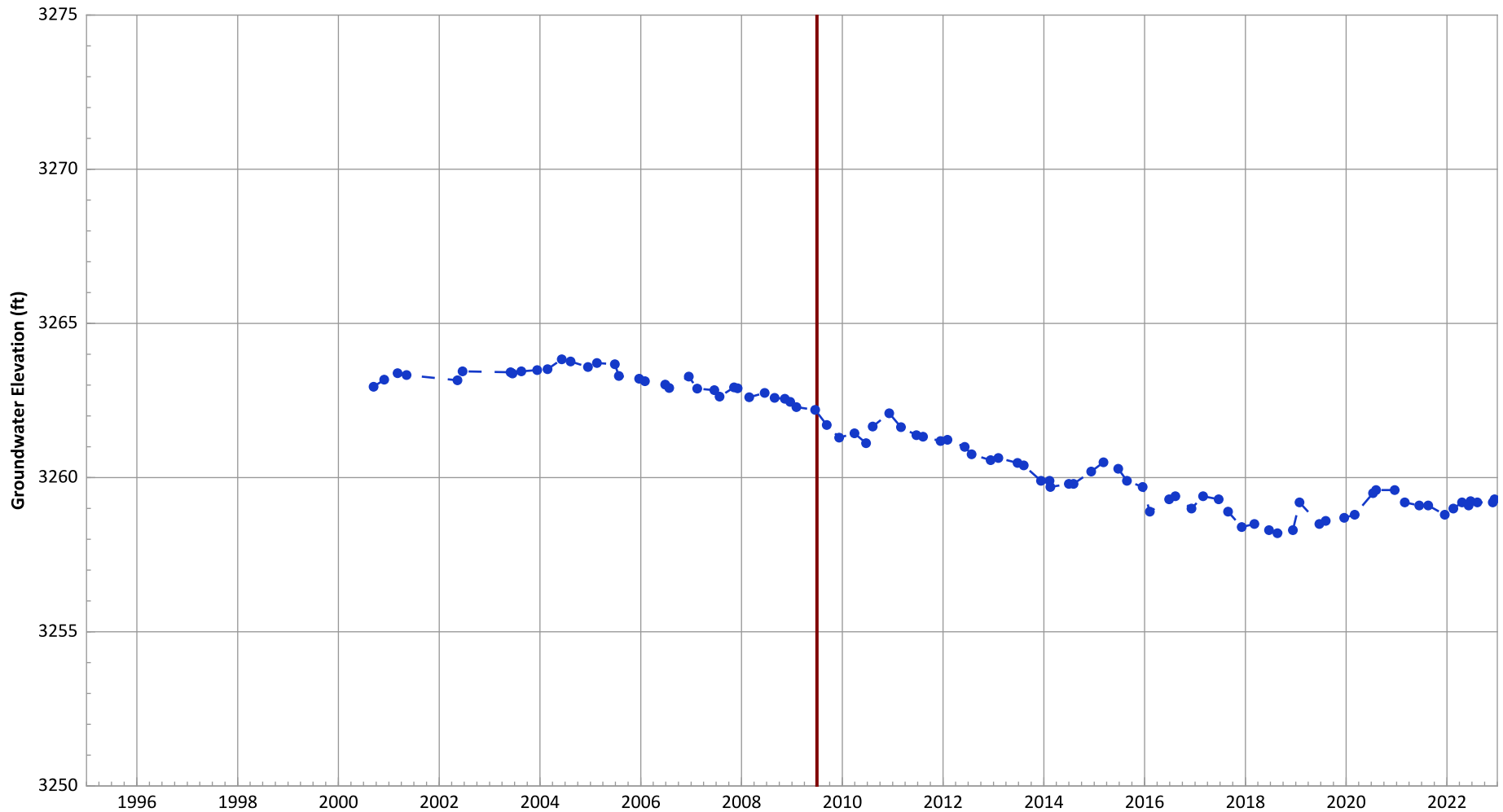
- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.15 ft/yr  
 Data (1/2017 - 1/2021): No Trend



**PTX06-1052 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

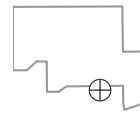


**Notes:**

1. Top of screen elevation is 3266.45 ft msl.
  2. The bottom of screen elevation is 3246.45 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

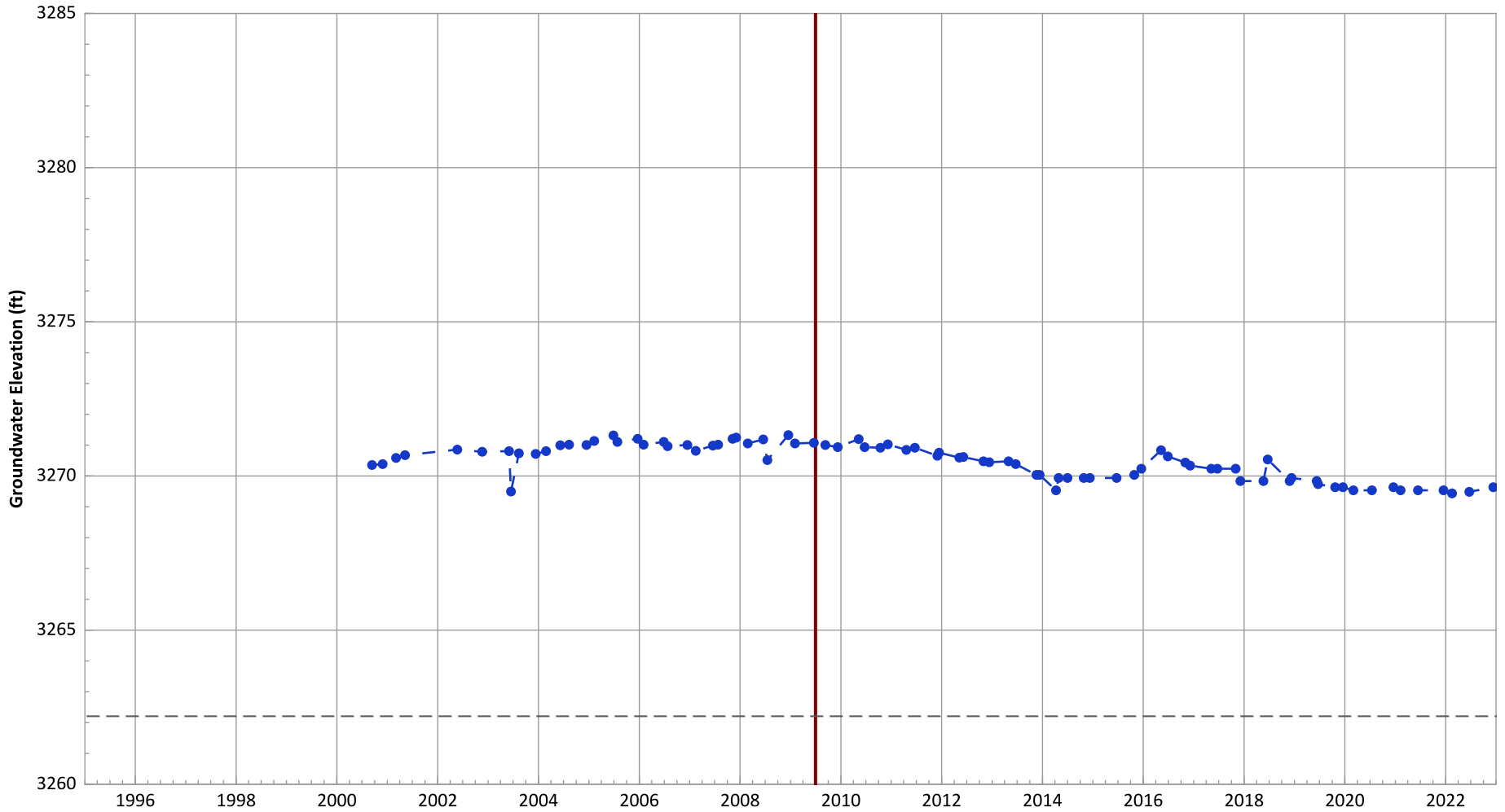
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.27 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1053 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

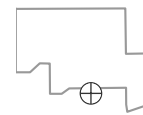


**Notes:**

1. Top of screen elevation is 3277.21 ft msl.
  2. The bottom of screen elevation is 3262.21 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.18 ft/yr

**PTX06-1055 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



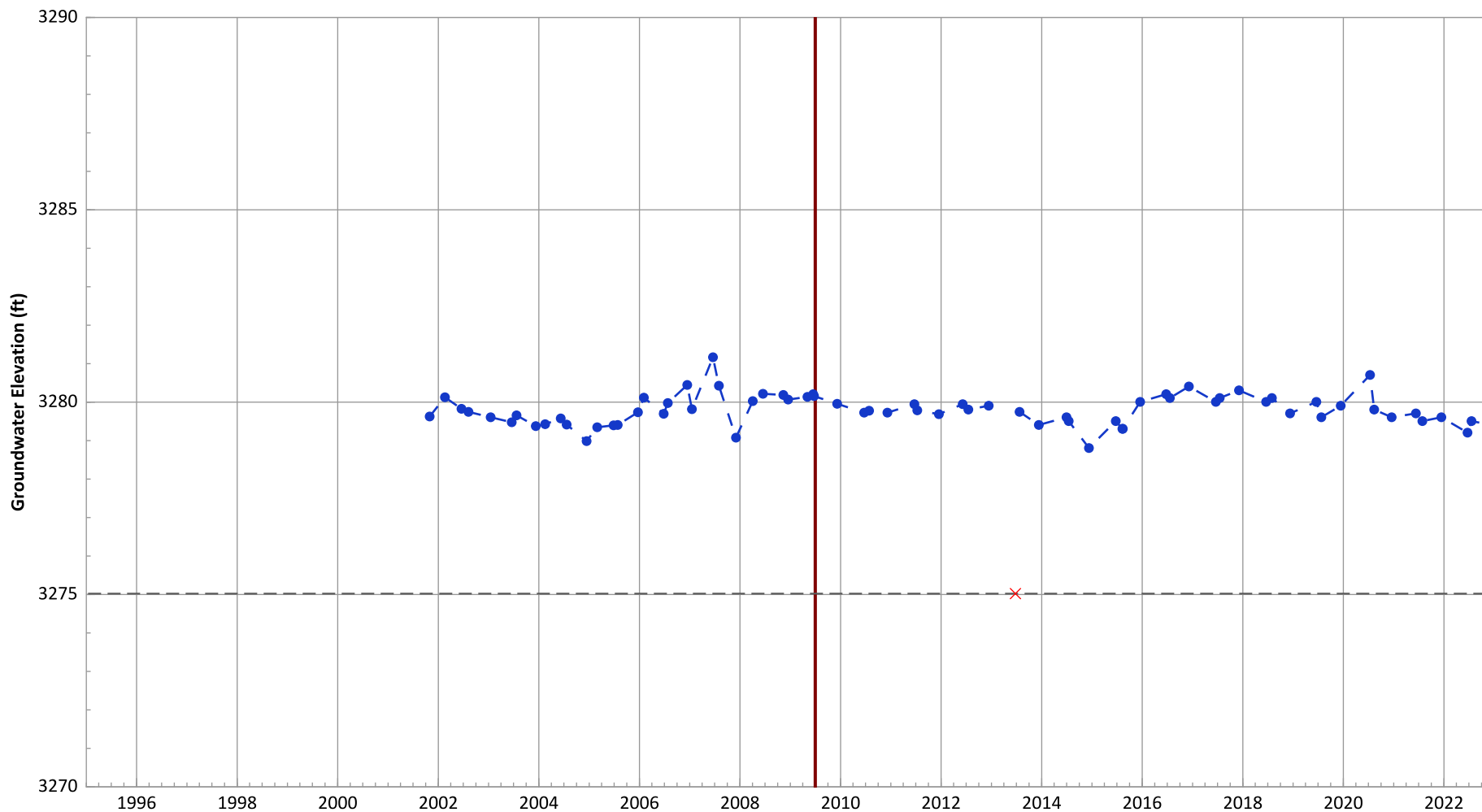
Notes:  
 1. Top of screen elevation is 3303.88 ft msl.  
 2. The bottom of screen elevation is 3273.88 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-1069 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3295.02 ft msl.
  2. The bottom of screen elevation is 3275.02 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

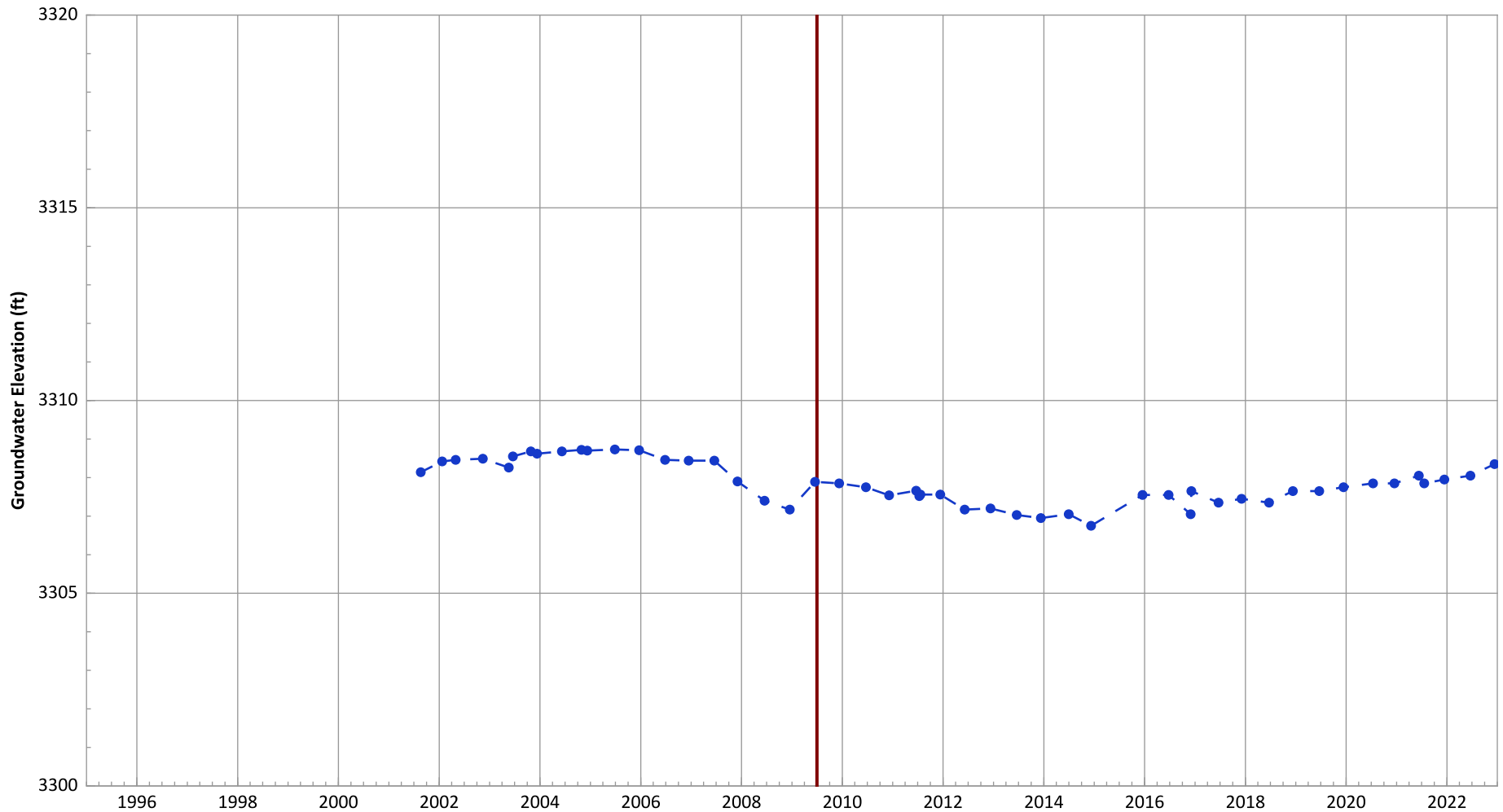
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.1 ft/yr

**PTX06-1071 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

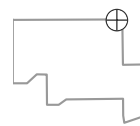


**Notes:**

1. Top of screen elevation is 3289.16 ft msl.
  2. The bottom of screen elevation is 3279.16 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

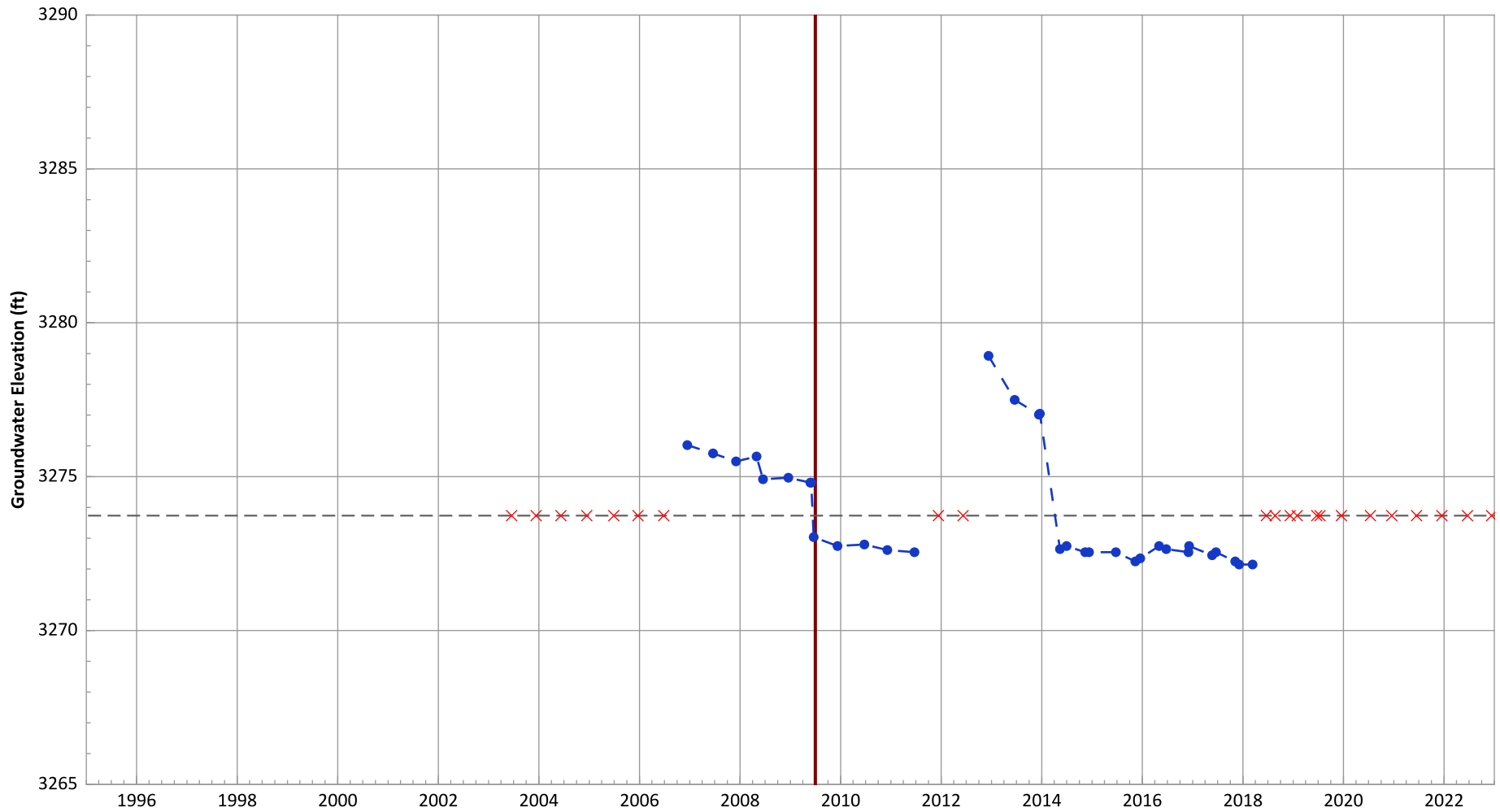
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 0.15 ft/yr

**PTX06-1073A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



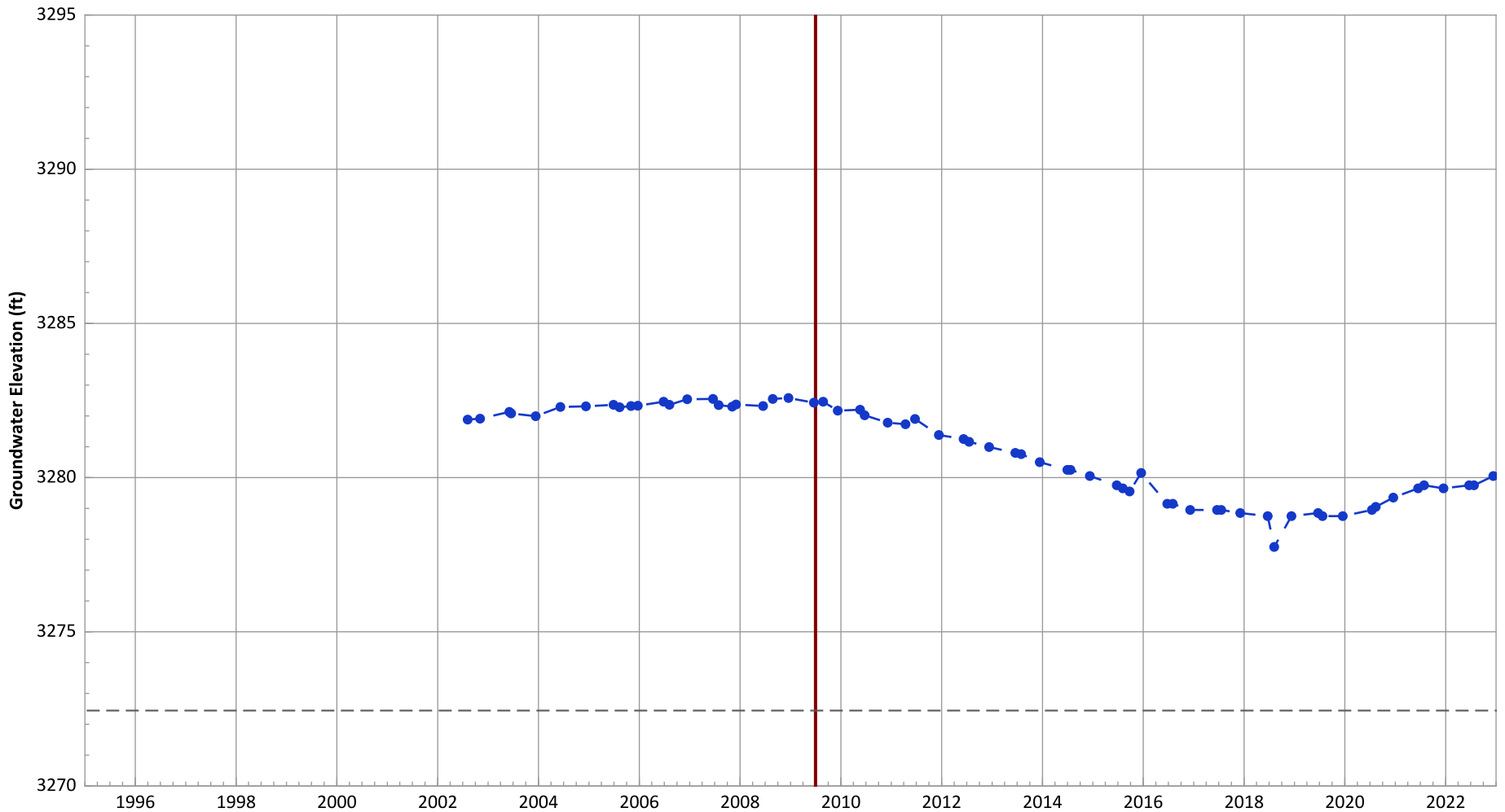
Notes:  
 1. Top of screen elevation is 3303.73 ft msl.  
 2. The bottom of screen elevation is 3273.73 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.27 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.5 ft/yr

**PTX06-1077A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

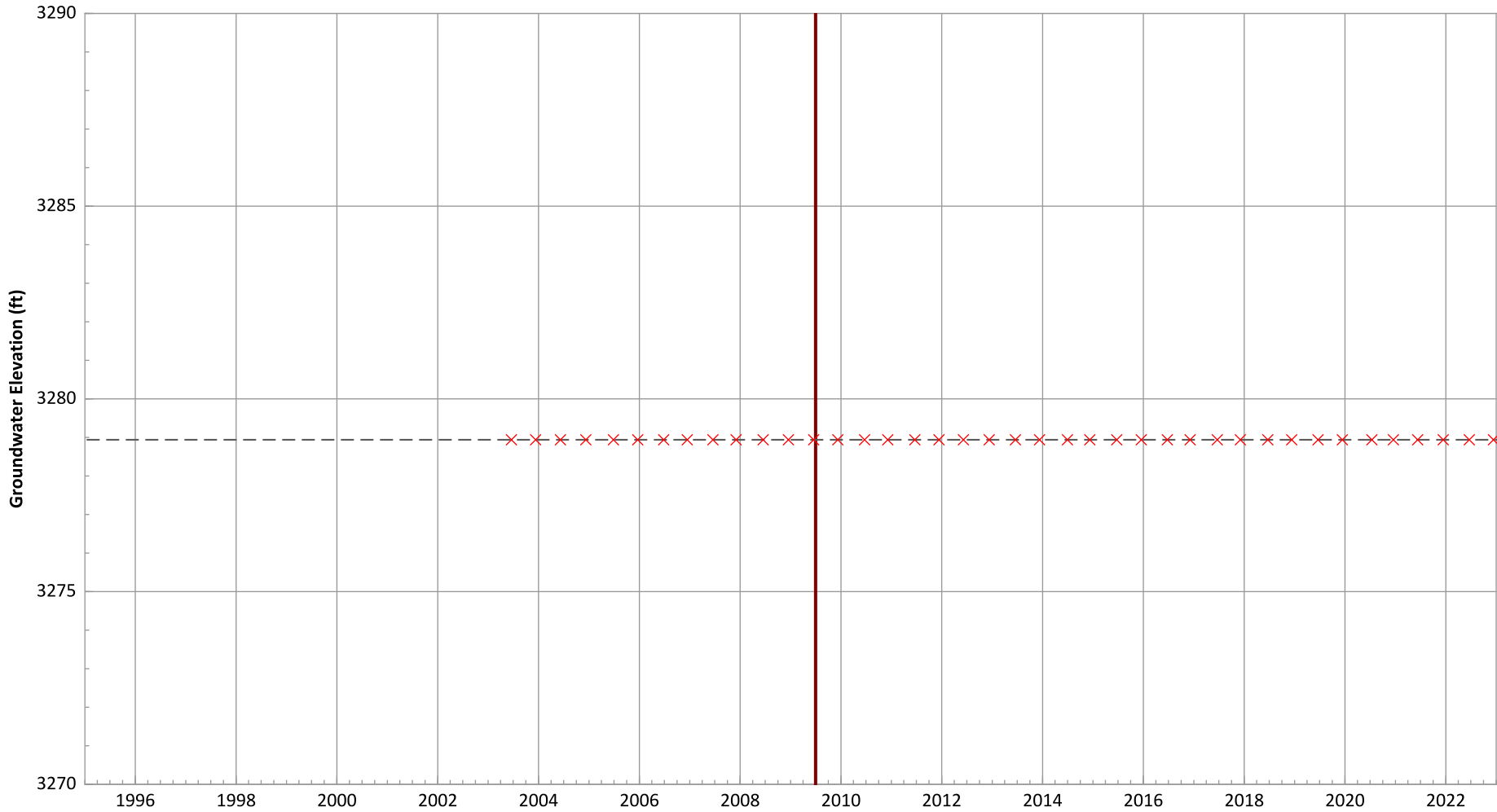
1. Top of screen elevation is 3297.45 ft msl.
  2. The bottom of screen elevation is 3272.45 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Decreasing at 0.21 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.22 ft/yr

**PTX06-1078 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

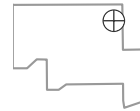


**Notes:**

1. Top of screen elevation is 3293.94 ft msl.
  2. The bottom of screen elevation is 3278.94 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

**Well Location**

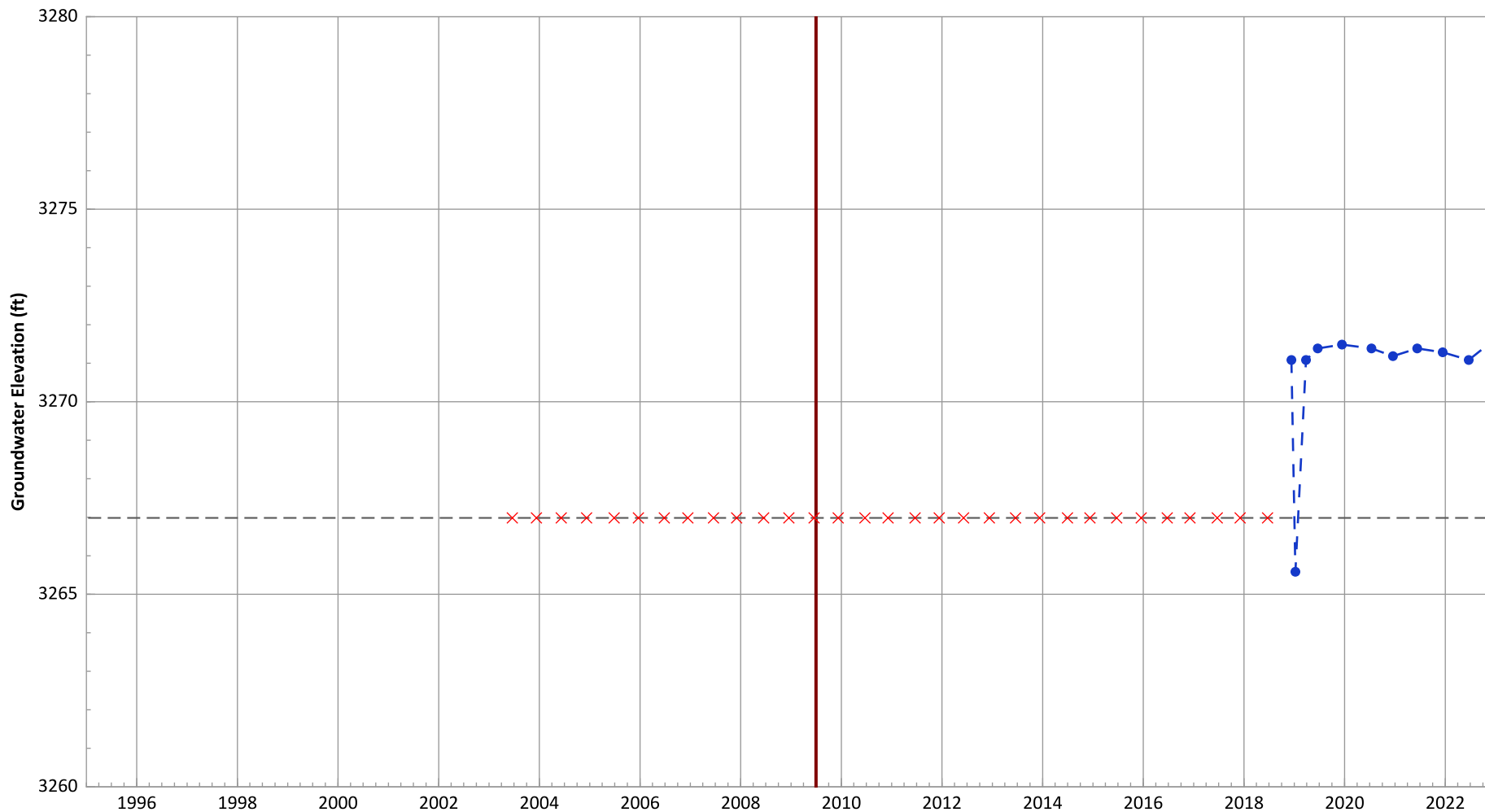


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)



**PTX06-1079 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

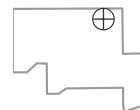


**Notes:**

1. Top of screen elevation is 3296.98 ft msl.
  2. The bottom of screen elevation is 3266.98 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

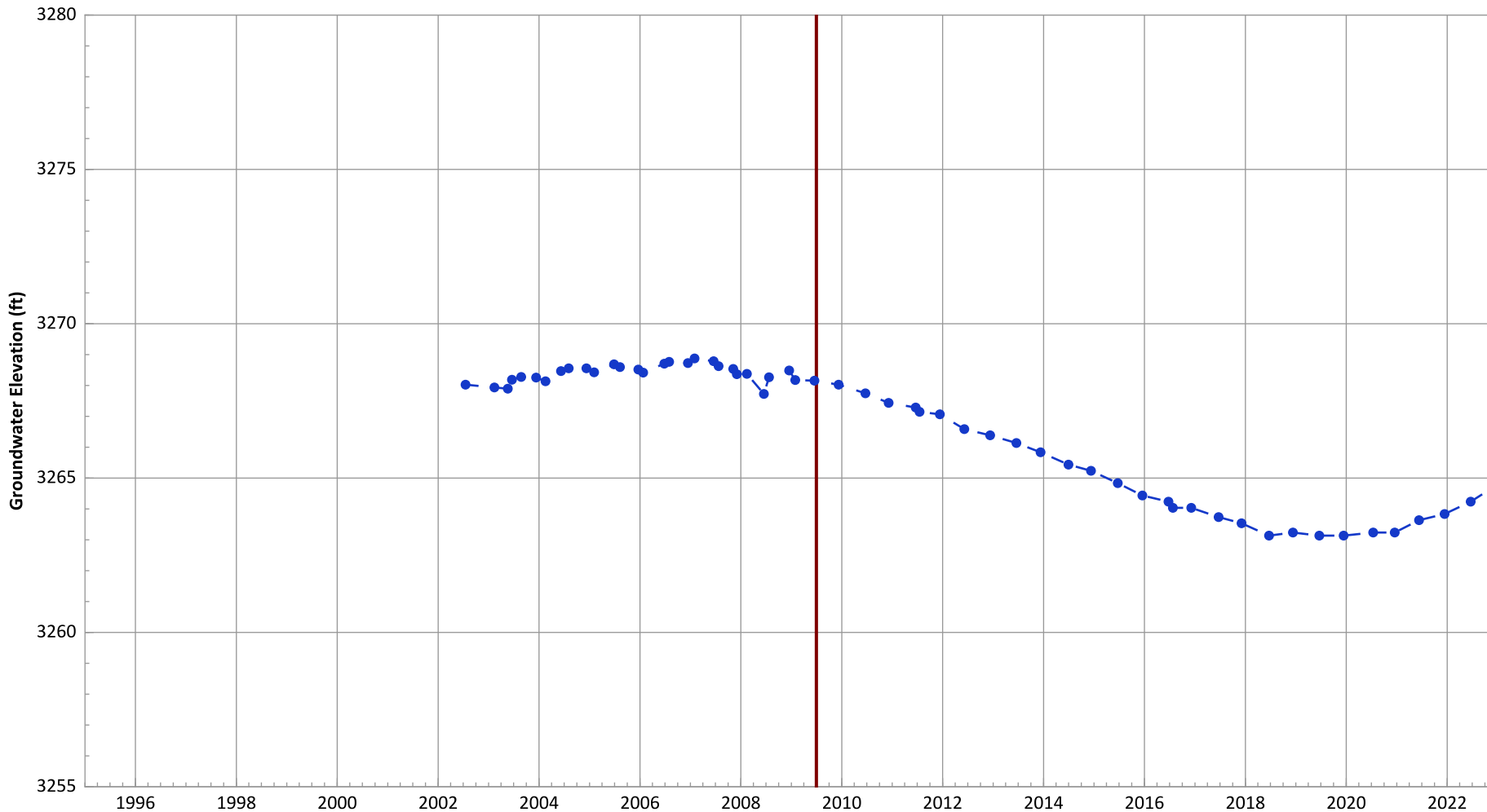
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.48 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.71 ft/yr

PTX06-1080 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3280.12 ft msl.
  2. The bottom of screen elevation is 3250.12 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

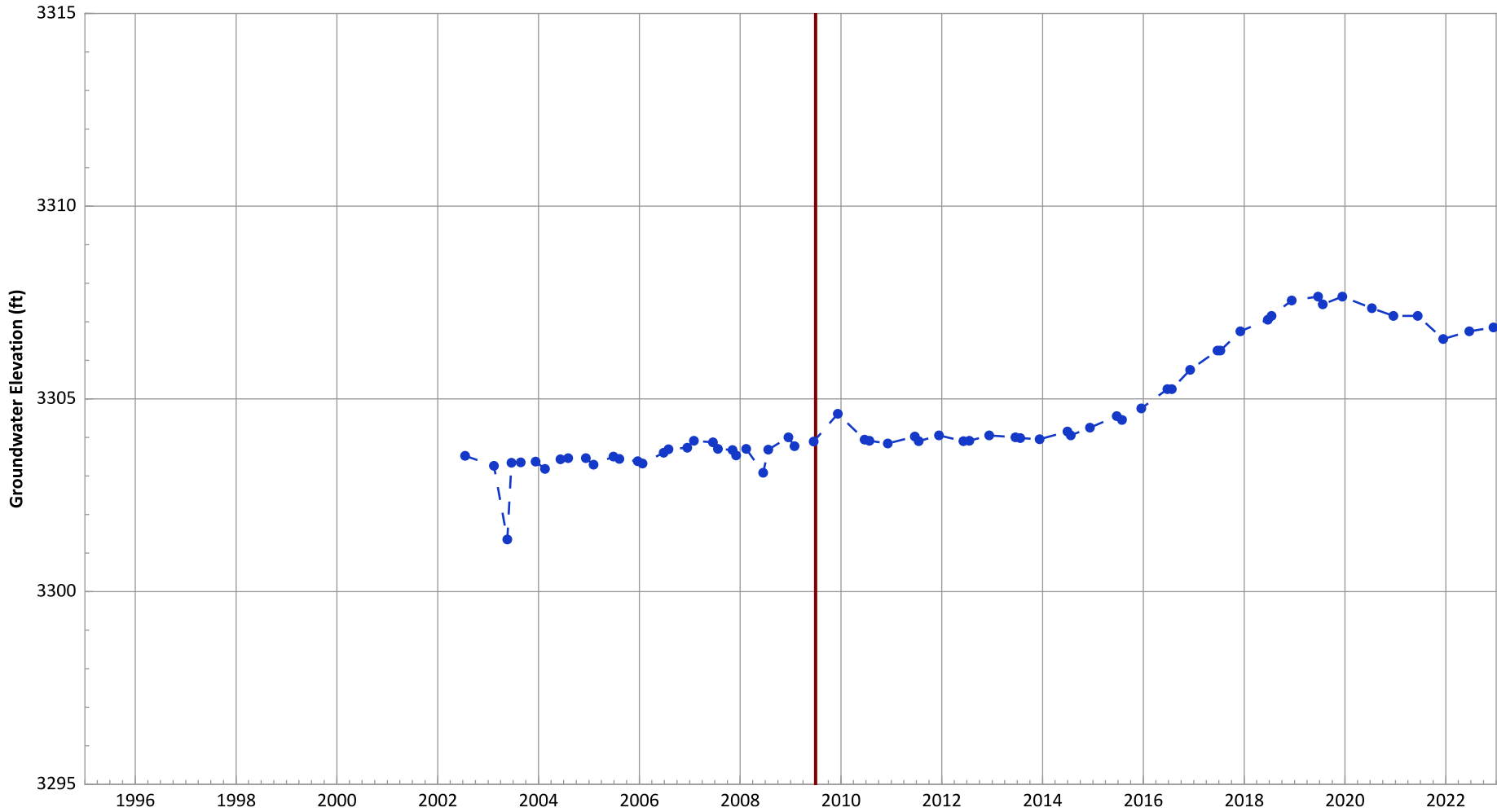
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.32 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1081 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

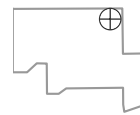


**Notes:**

1. Top of screen elevation is 3316.5 ft msl.
  2. The bottom of screen elevation is 3286.5 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

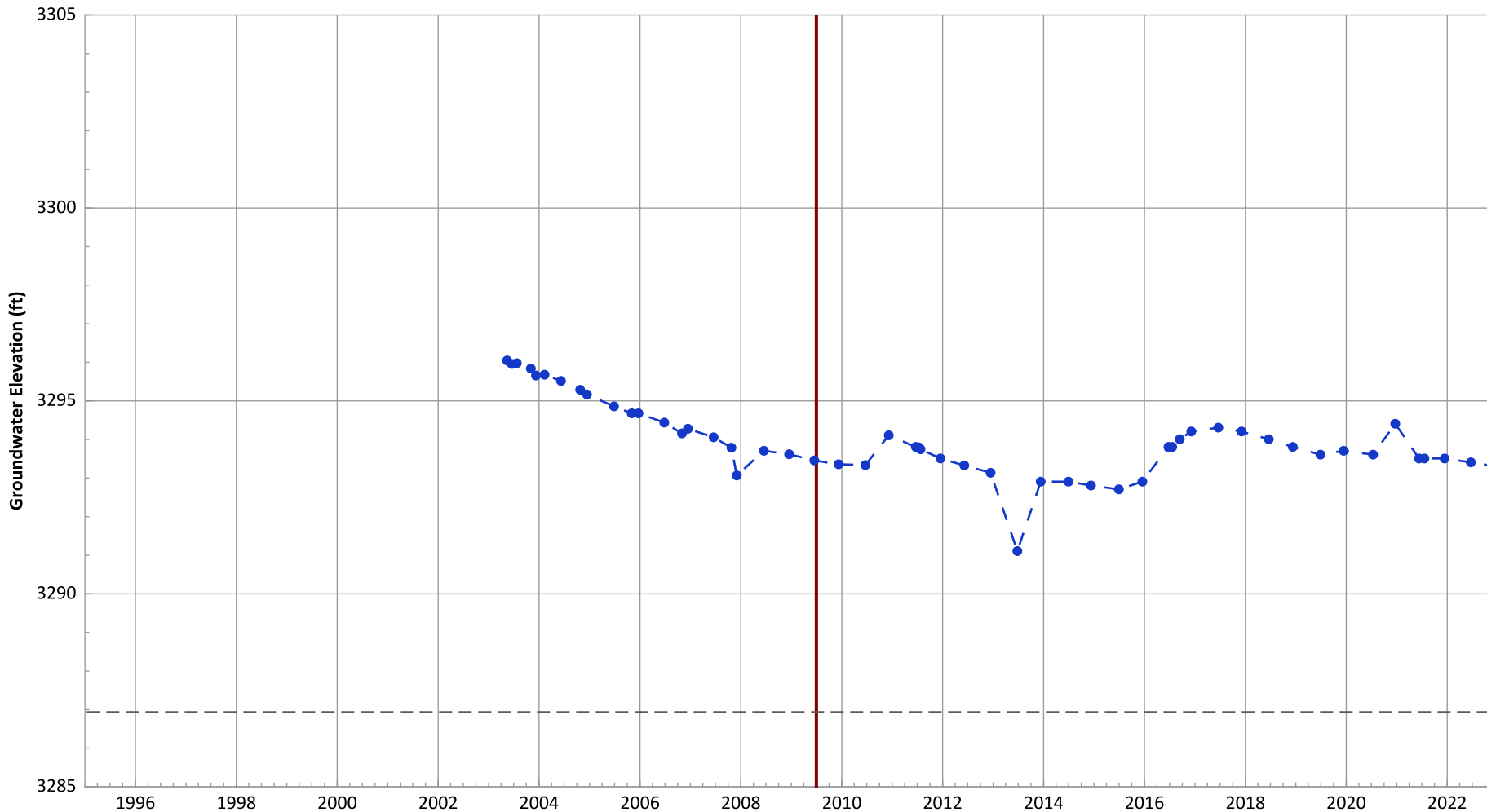
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.22 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.12 ft/yr

**PTX06-1082 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3311.94 ft msl.
  2. The bottom of screen elevation is 3286.94 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

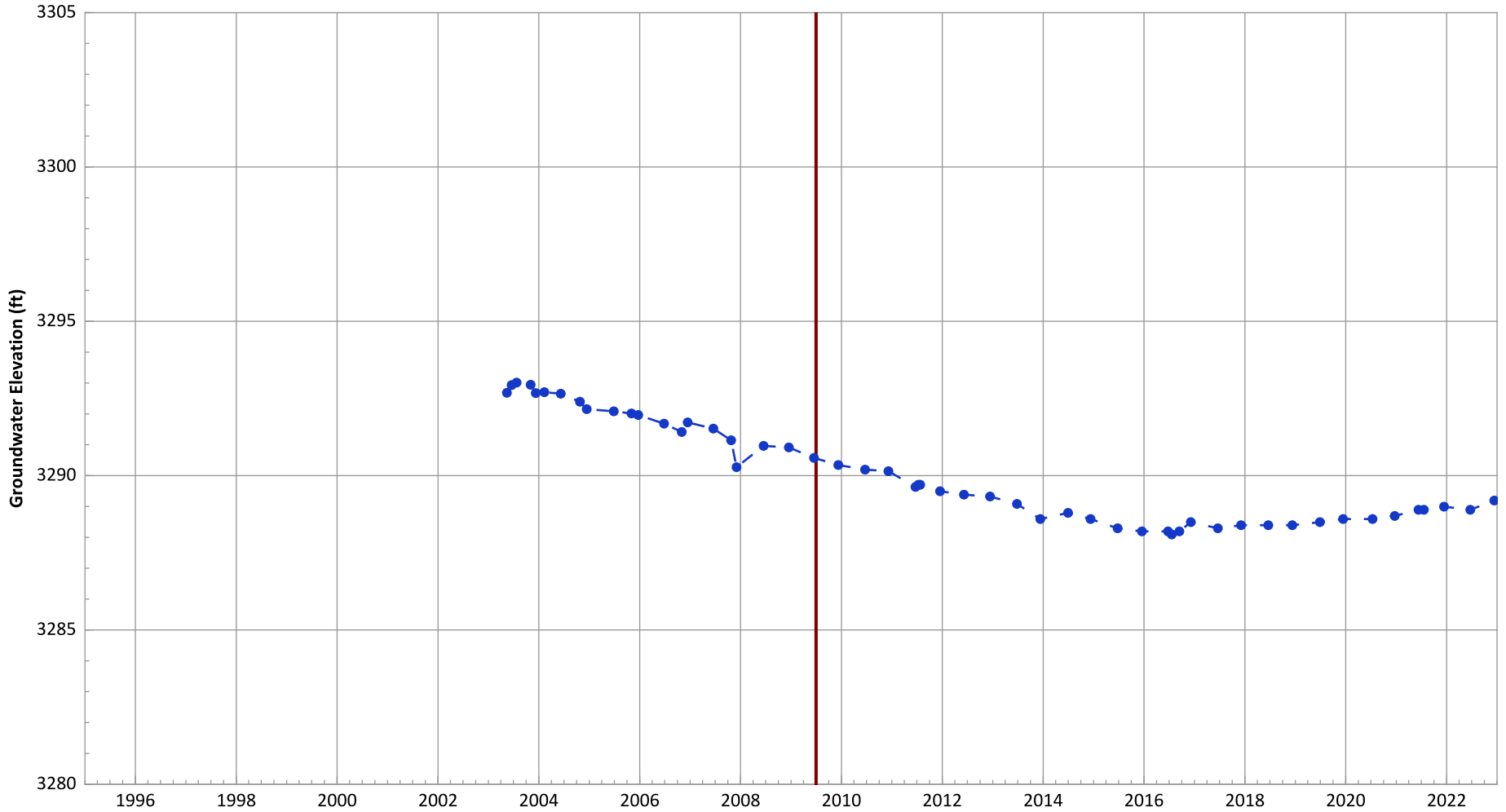
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.14 ft/yr

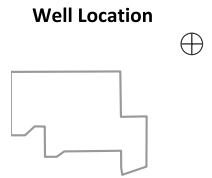
**PTX06-1083 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

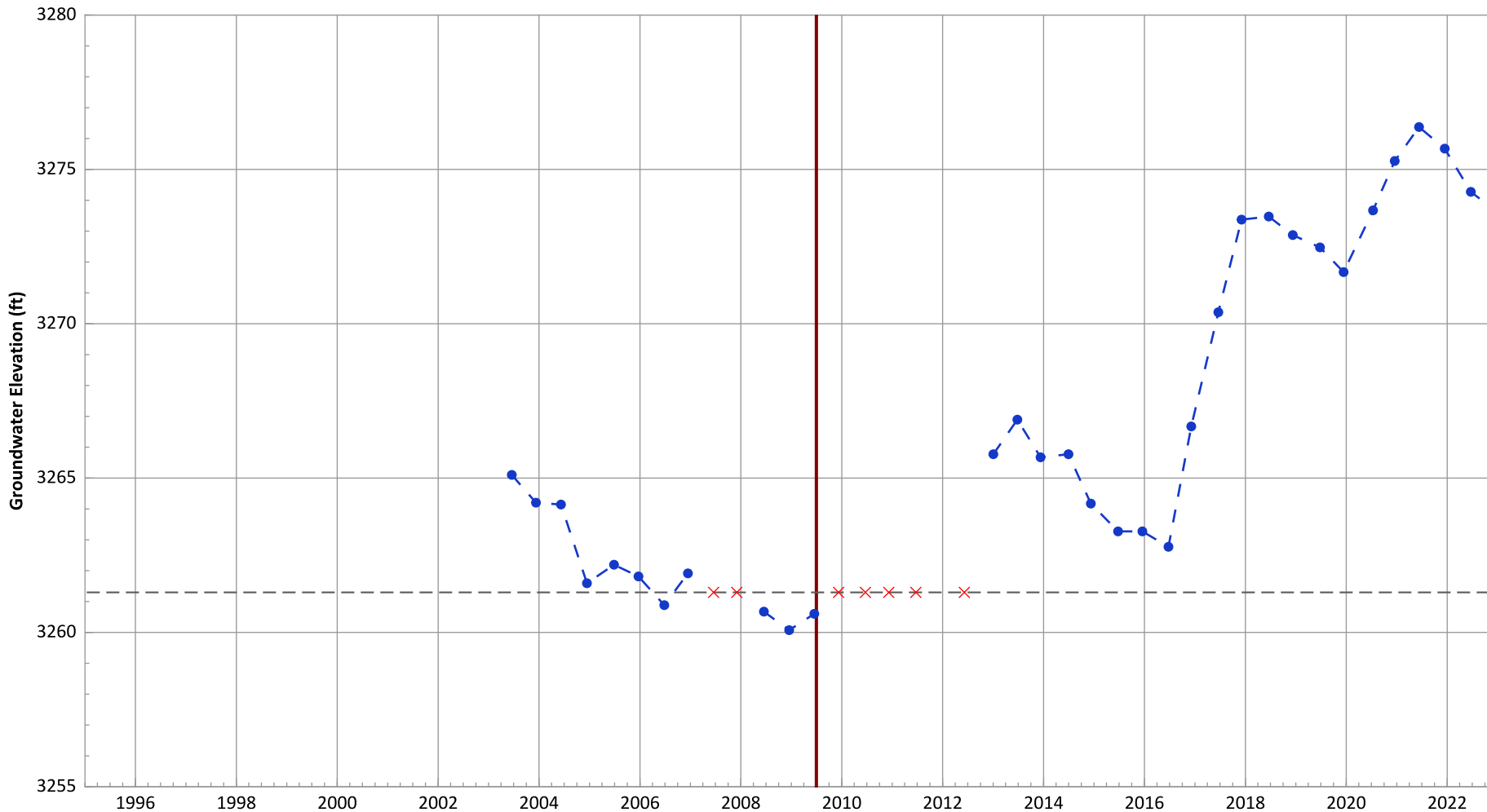
1. Top of screen elevation is 3299.91 ft msl.
  2. The bottom of screen elevation is 3269.91 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.25 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.15 ft/yr

PTX06-1084 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

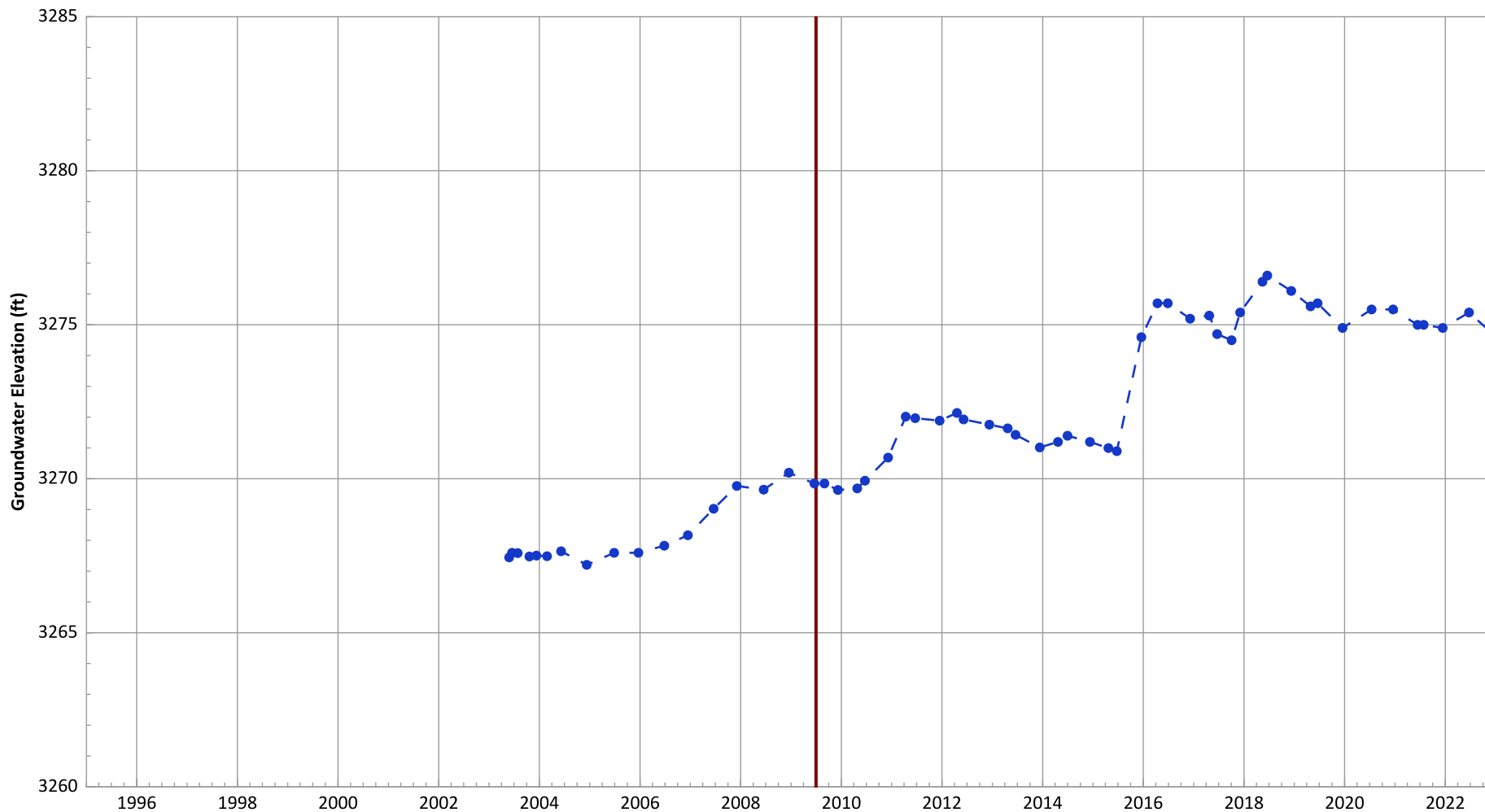
1. Top of screen elevation is 3281.3 ft msl.
  2. The bottom of screen elevation is 3261.3 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- | Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Increasing at 0.72 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.95 ft/yr

**PTX06-1085 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

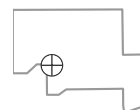


**Notes:**

1. Top of screen elevation is 3271.52 ft msl.
  2. The bottom of screen elevation is 3246.52 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

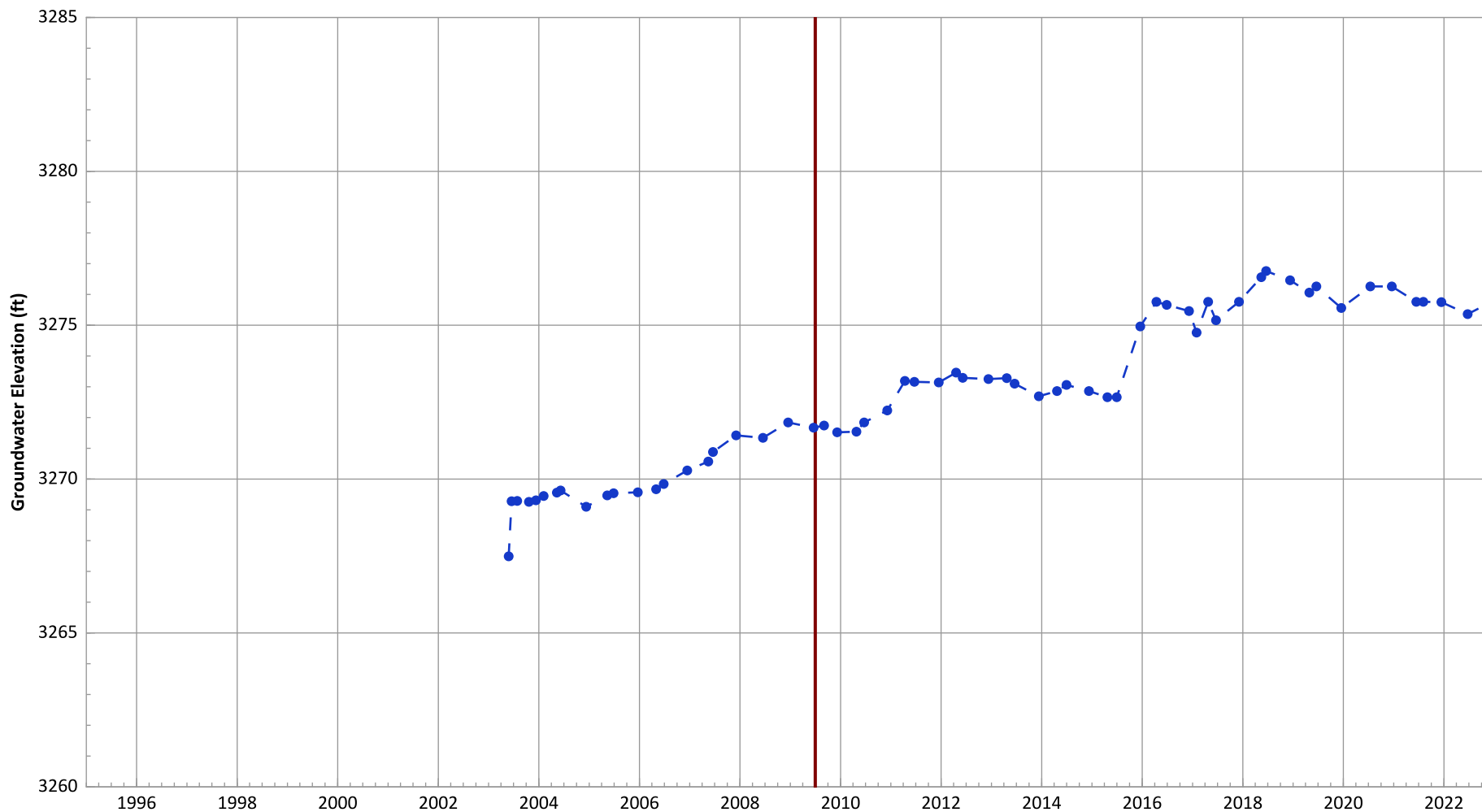
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.49 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1086 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

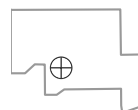


**Notes:**

1. Top of screen elevation is 3270.72 ft msl.
  2. The bottom of screen elevation is 3225.72 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**

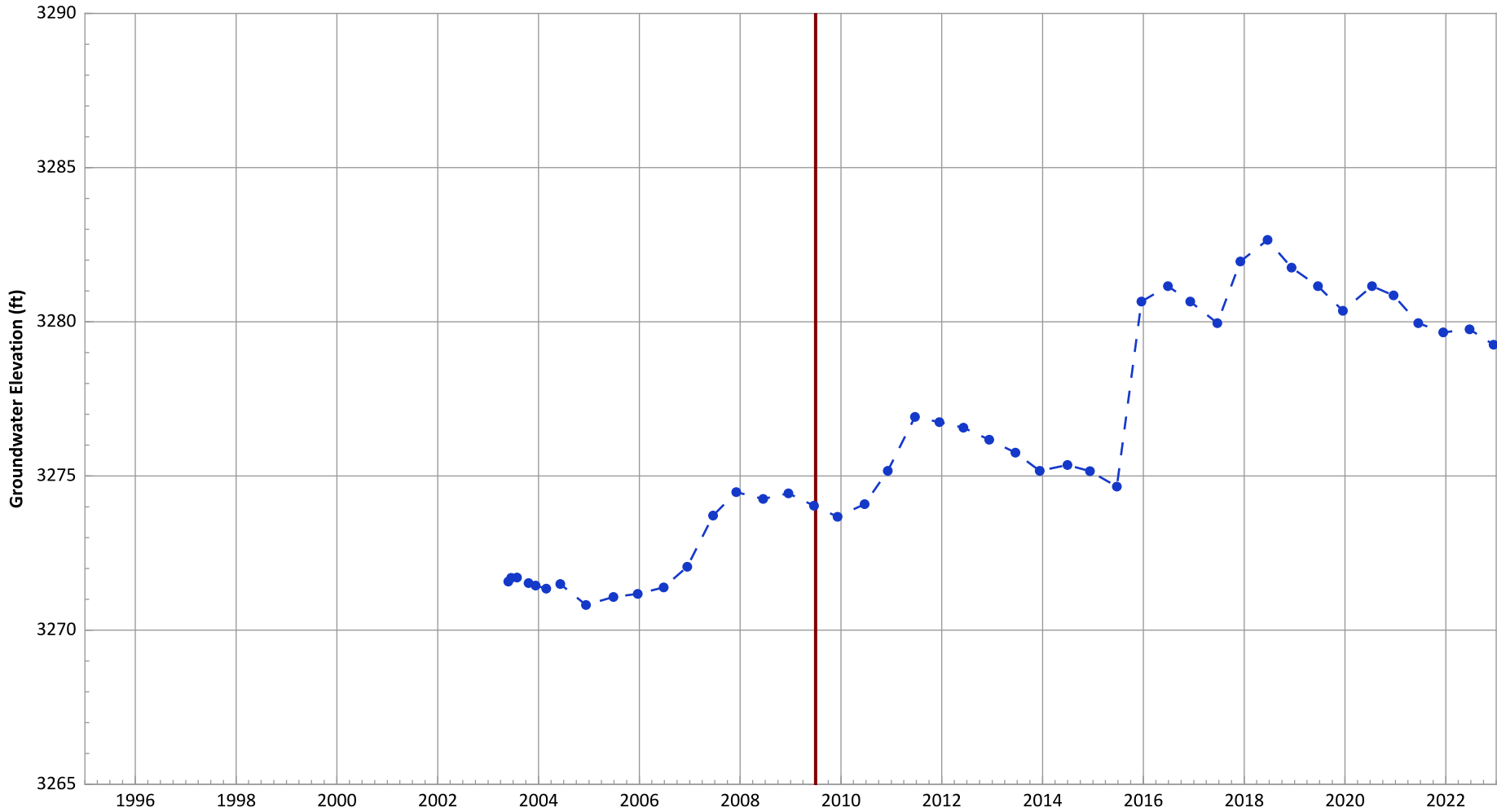


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.42 ft/yr  
 Data (1/2017 - 1/2021): No Trend



**PTX06-1087 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

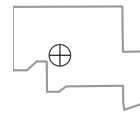


**Notes:**

1. Top of screen elevation is 3273.68 ft msl.
  2. The bottom of screen elevation is 3243.68 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

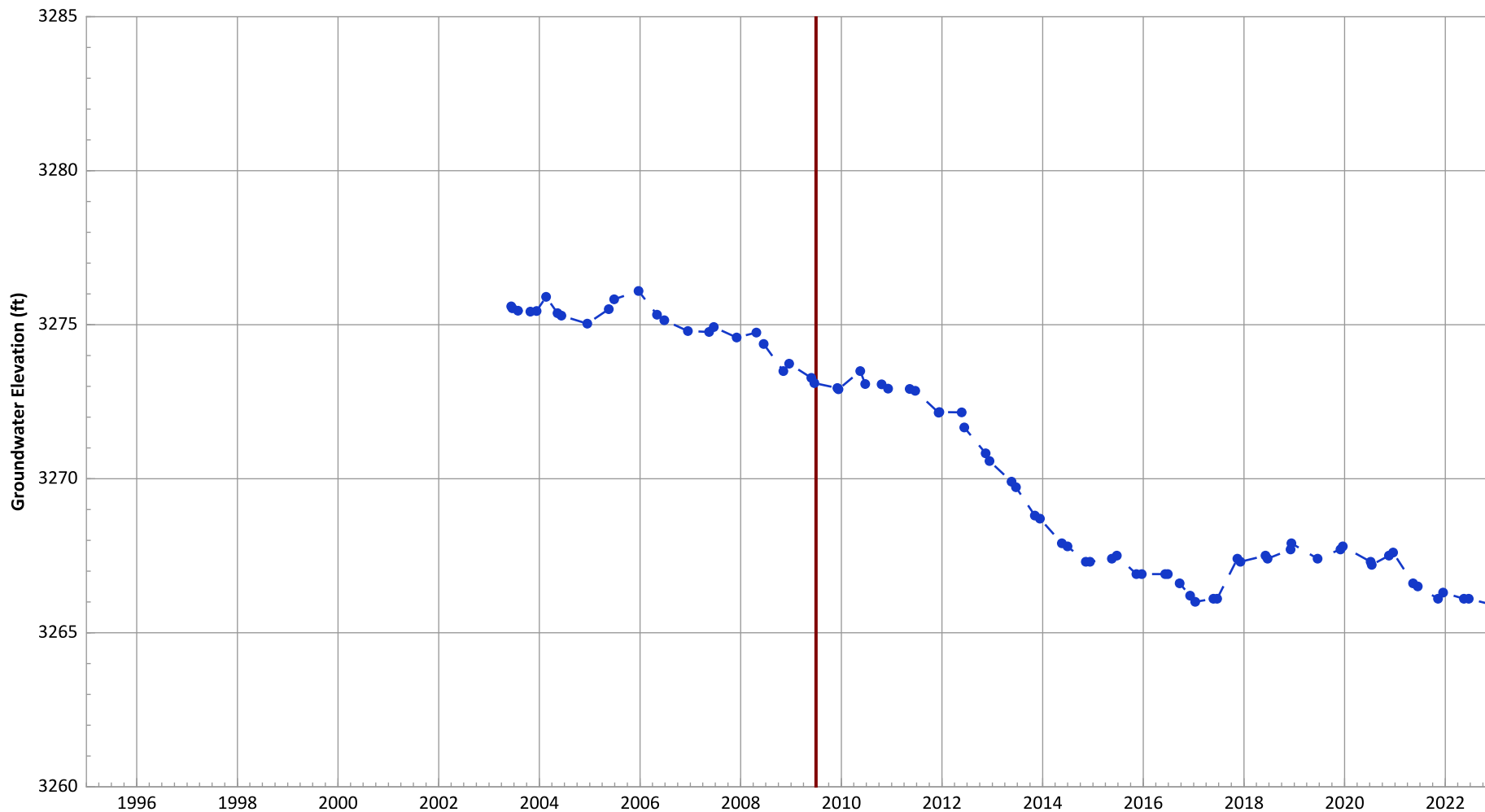
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.57 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.34 ft/yr

**PTX06-1088 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

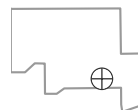


**Notes:**

1. Top of screen elevation is 3282.54 ft msl.
  2. The bottom of screen elevation is 3247.54 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

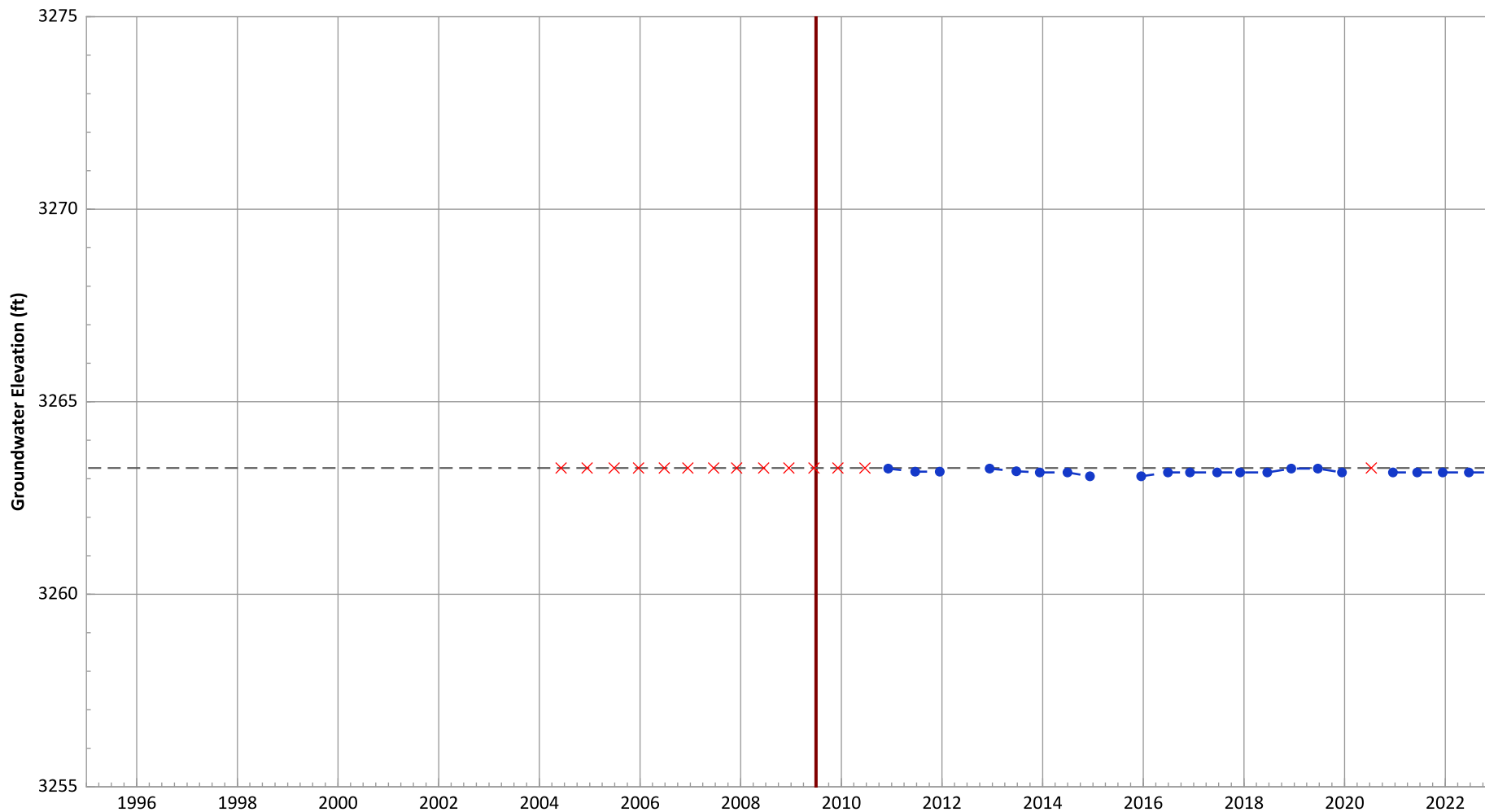
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.59 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1089 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3278.28 ft msl.
  2. The bottom of screen elevation is 3263.28 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

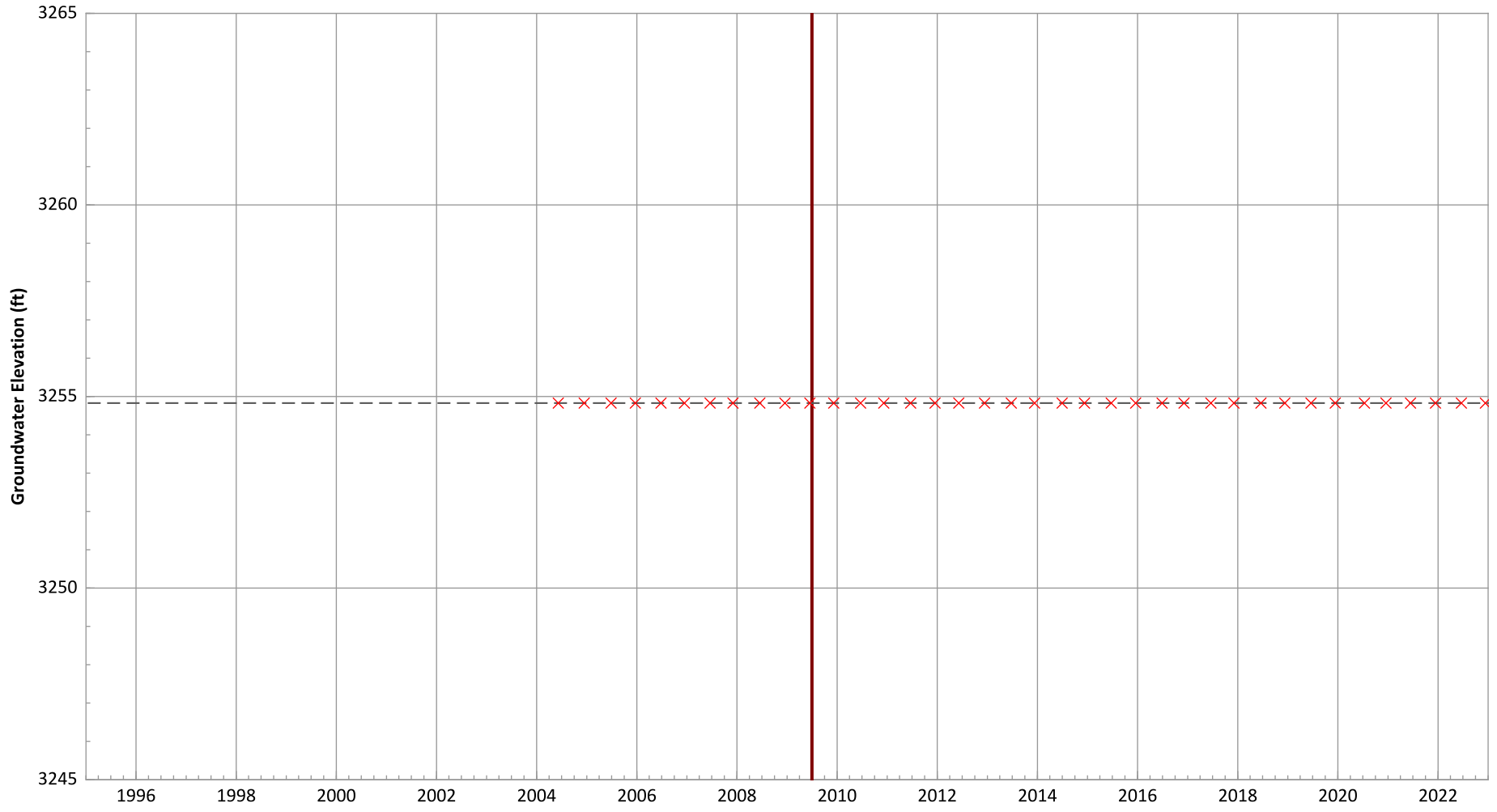
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1090 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



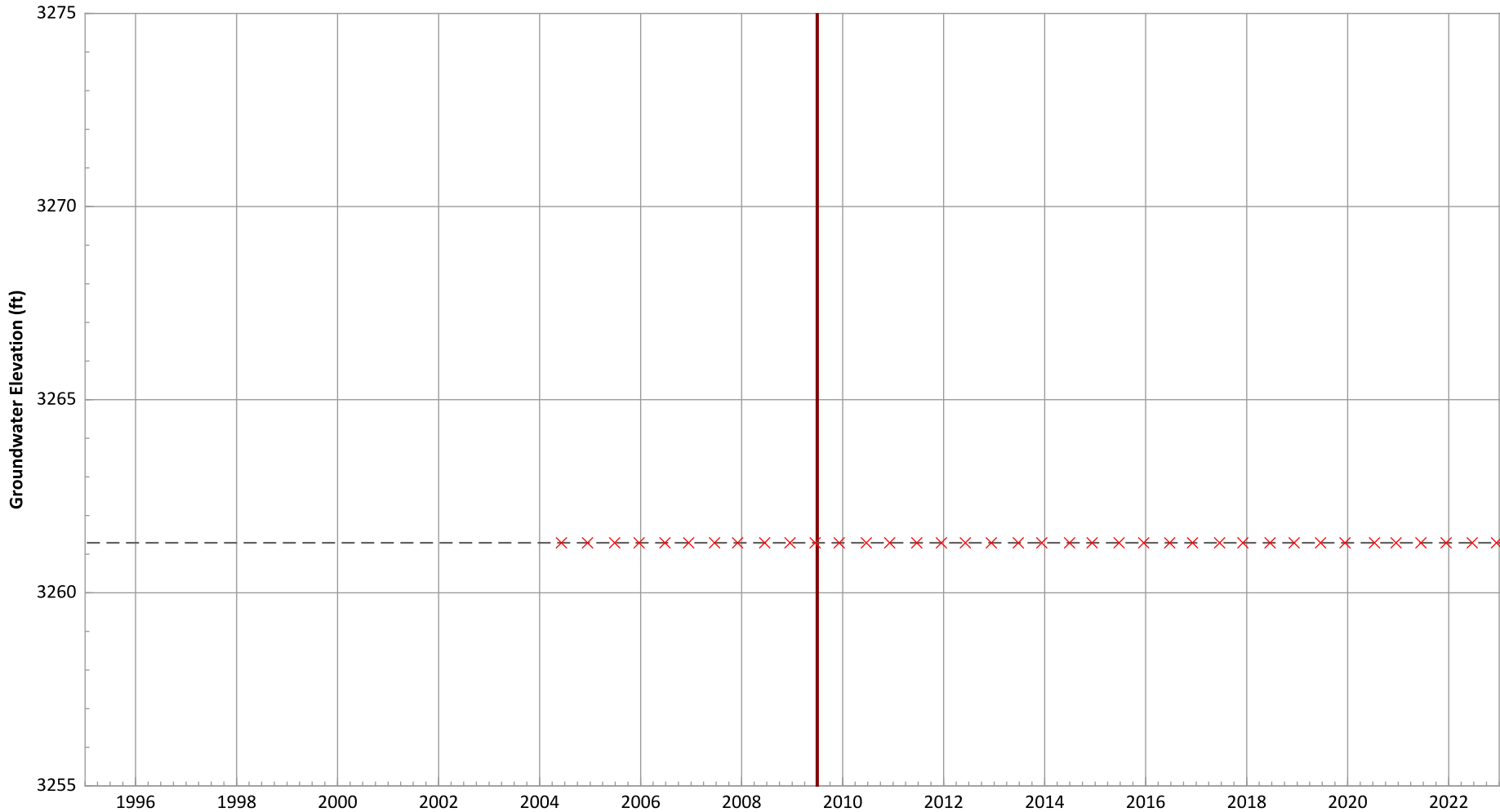
Notes:  
 1. Top of screen elevation is 3269.83 ft msl.  
 2. The bottom of screen elevation is 3254.83 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1091 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



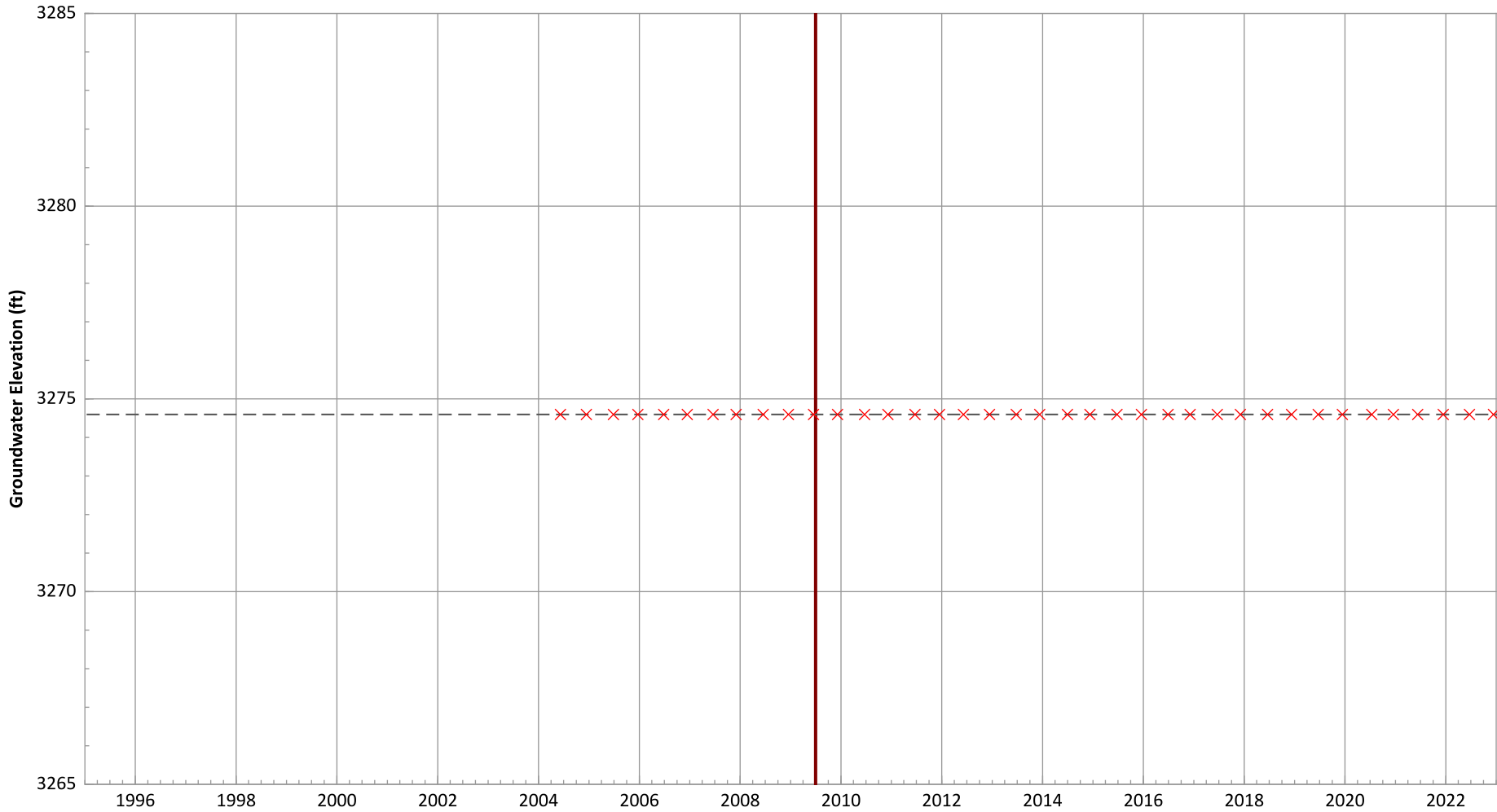
Notes:  
 1. Top of screen elevation is 3271.29 ft msl.  
 2. The bottom of screen elevation is 3261.29 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1093 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

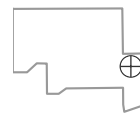


**Notes:**

1. Top of screen elevation is 3284.59 ft msl.
  2. The bottom of screen elevation is 3274.59 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

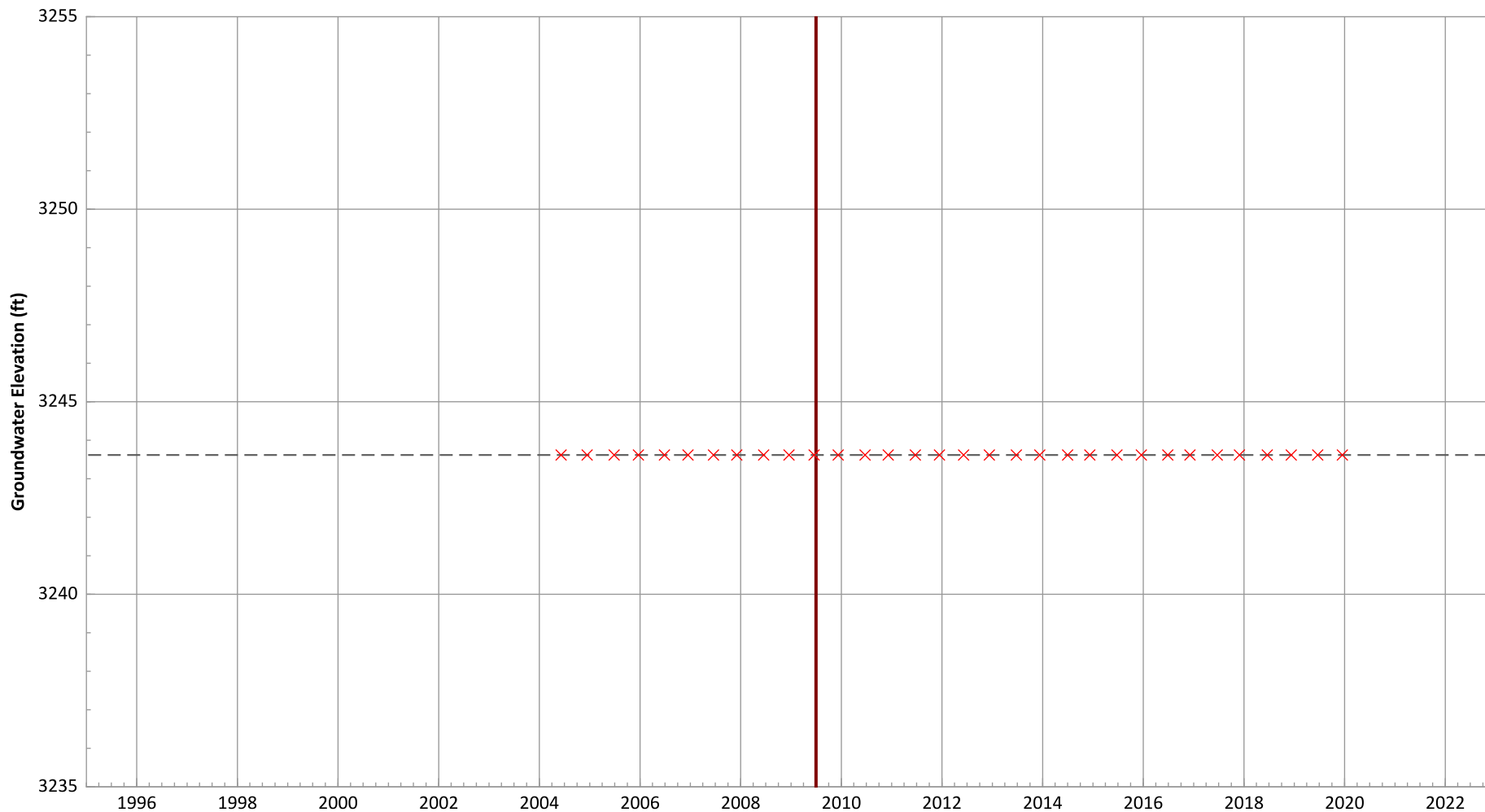
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1094 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

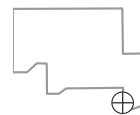


**Notes:**

1. Top of screen elevation is 3253.62 ft msl.
  2. The bottom of screen elevation is 3243.62 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

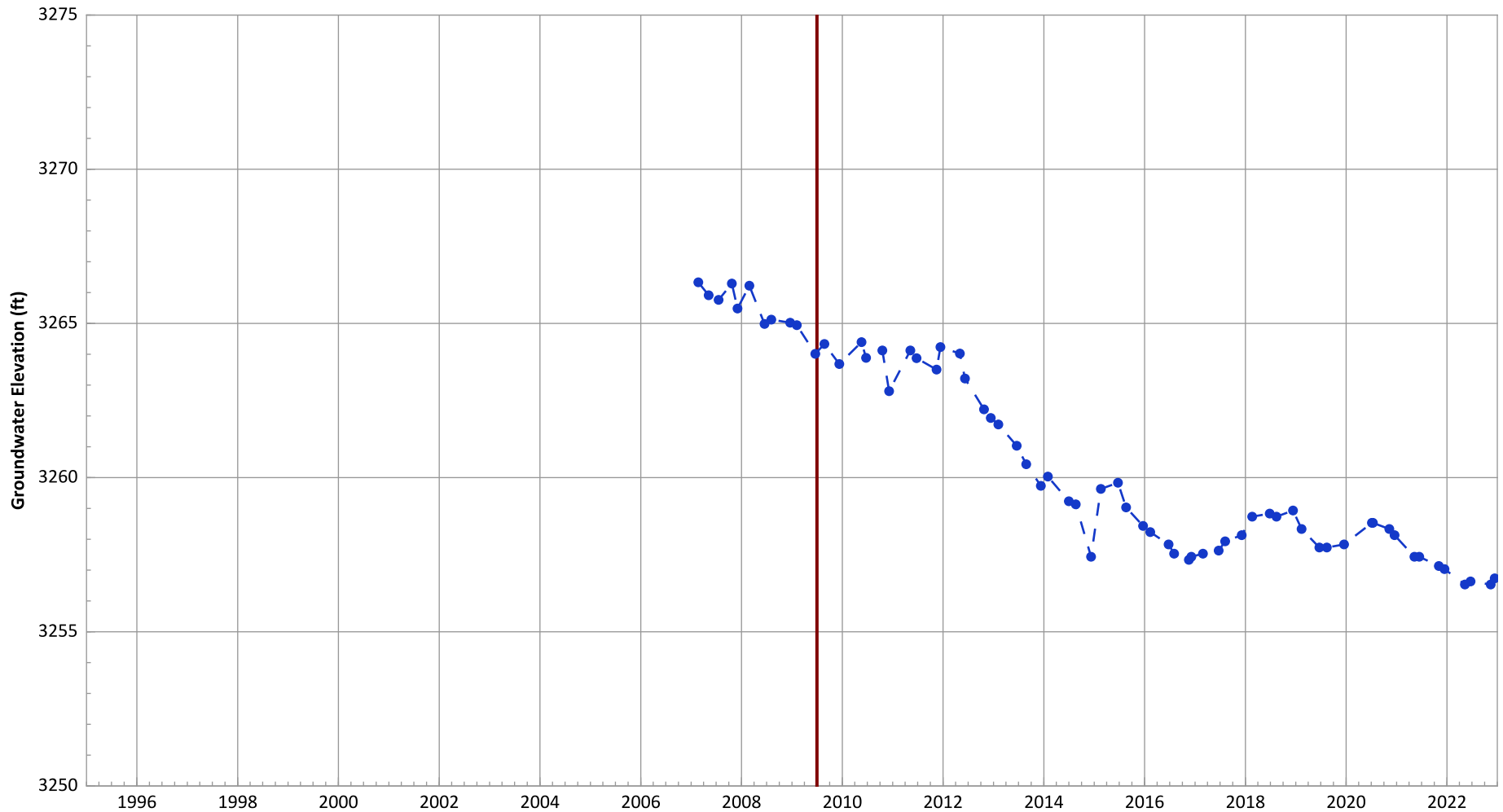
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1095A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

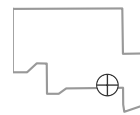


**Notes:**

1. Top of screen elevation is 3271.23 ft msl.
  2. The bottom of screen elevation is 3246.23 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.64 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.14 ft/yr



**PTX06-1096A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



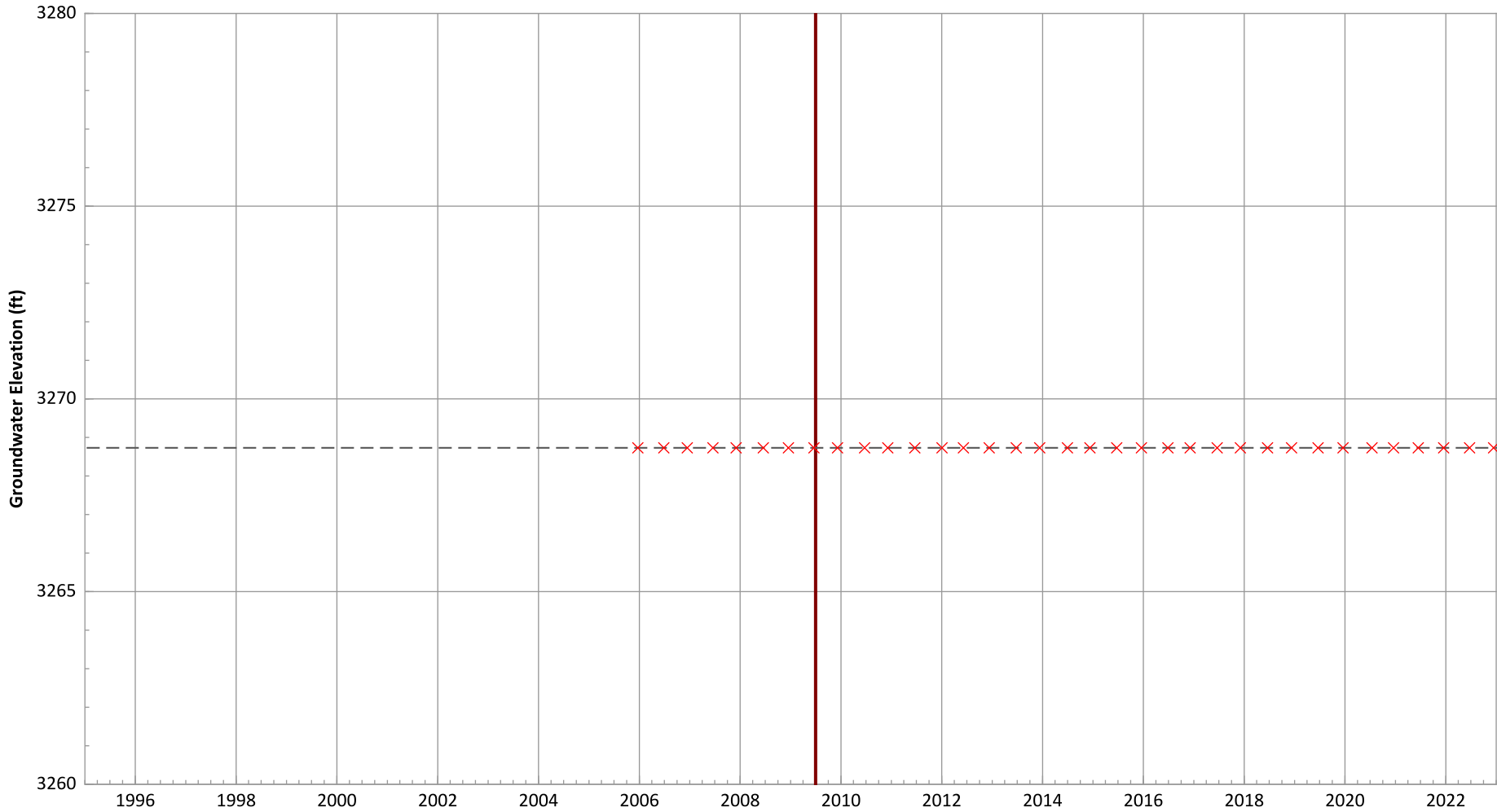
Notes:  
 1. Top of screen elevation is 3317.99 ft msl.  
 2. The bottom of screen elevation is 3302.99 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1097 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

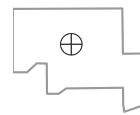


**Notes:**

1. Top of screen elevation is 3283.73 ft msl.
  2. The bottom of screen elevation is 3268.73 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

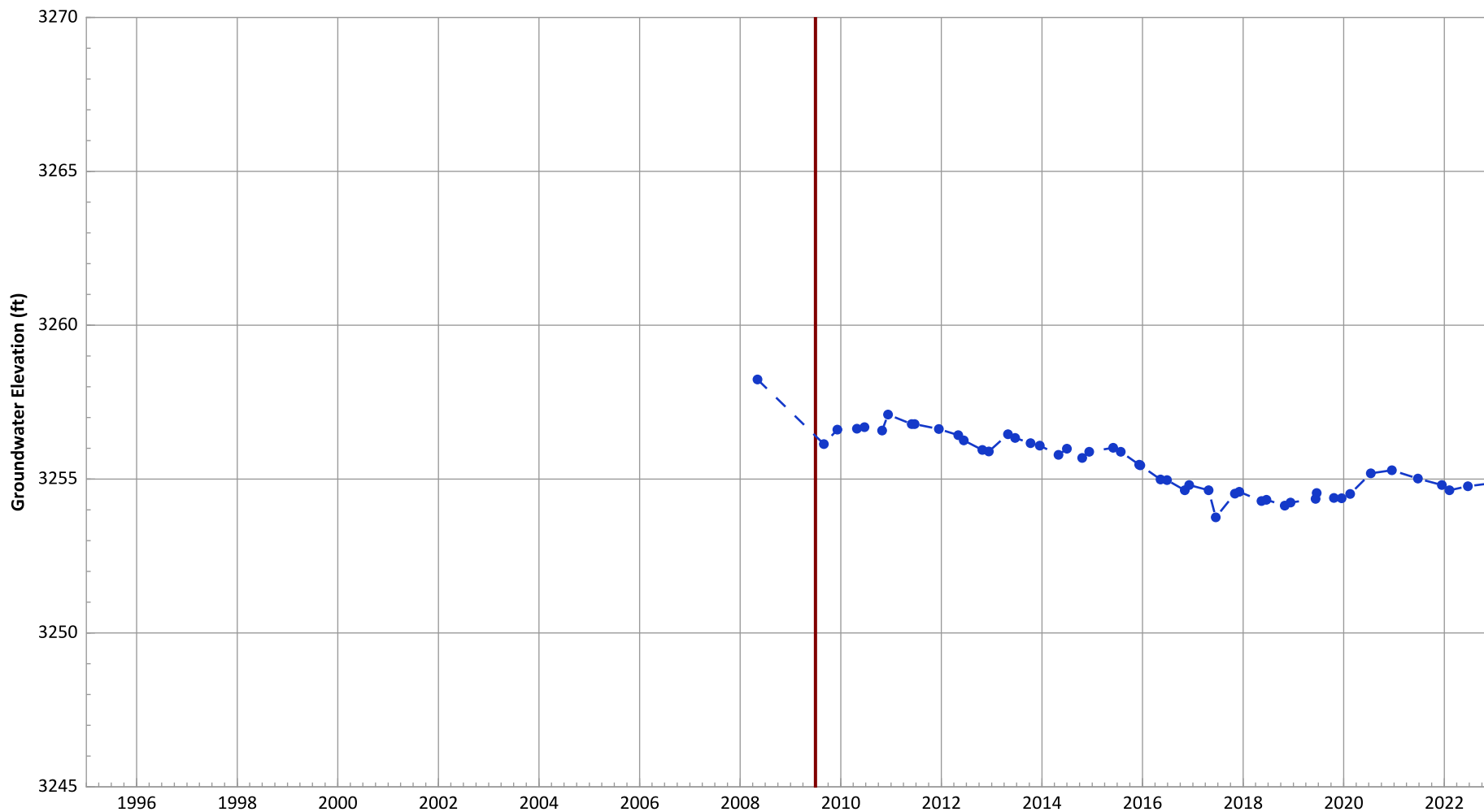
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1098 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

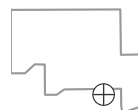


**Notes:**

1. Top of screen elevation is 3276.74 ft msl.
  2. The bottom of screen elevation is 3241.74 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

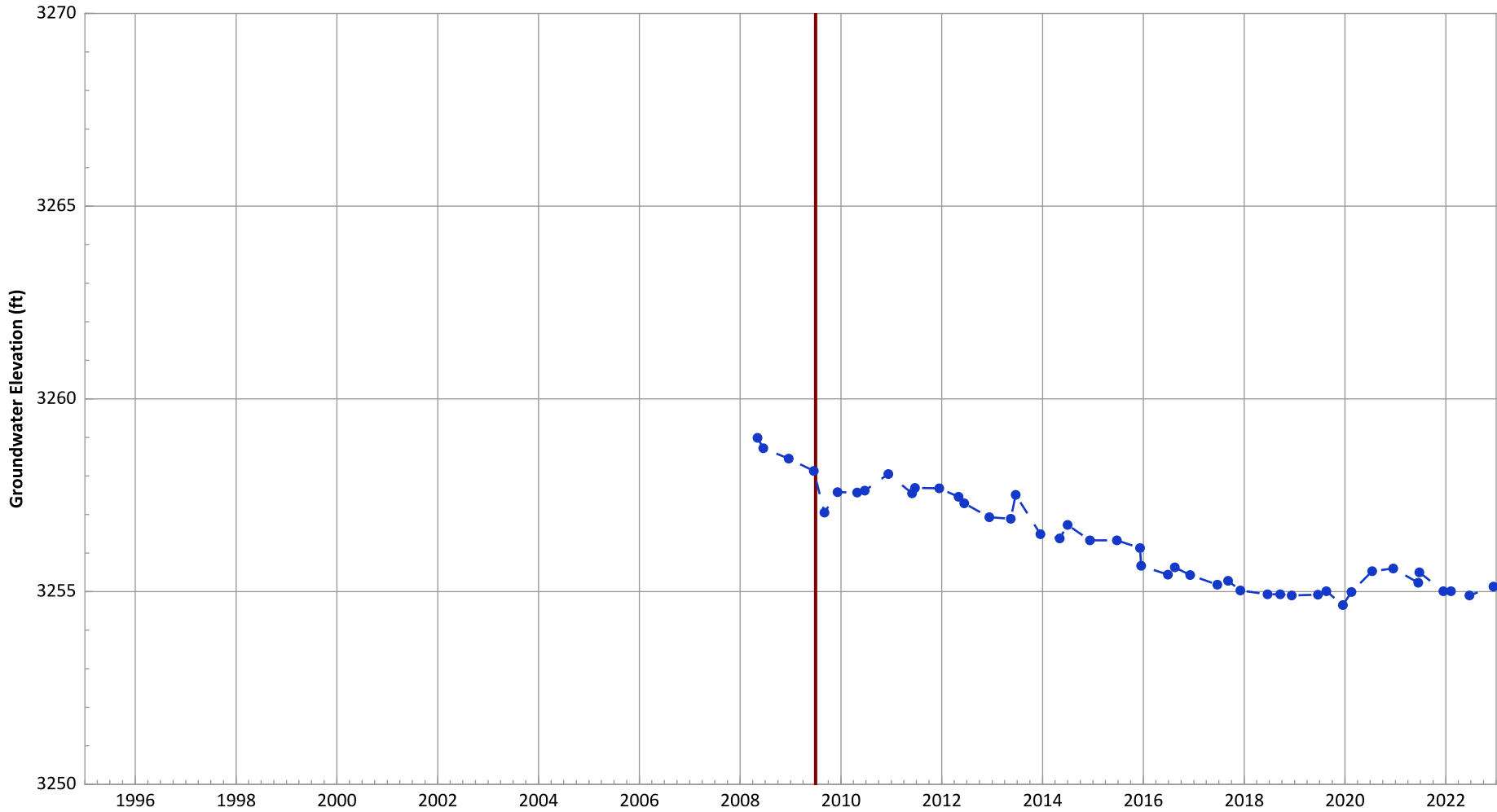
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.22 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.18 ft/yr

**PTX06-1100 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

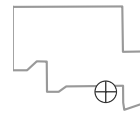


**Notes:**

1. Top of screen elevation is 3259.7 ft msl.
  2. The bottom of screen elevation is 3244.7 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

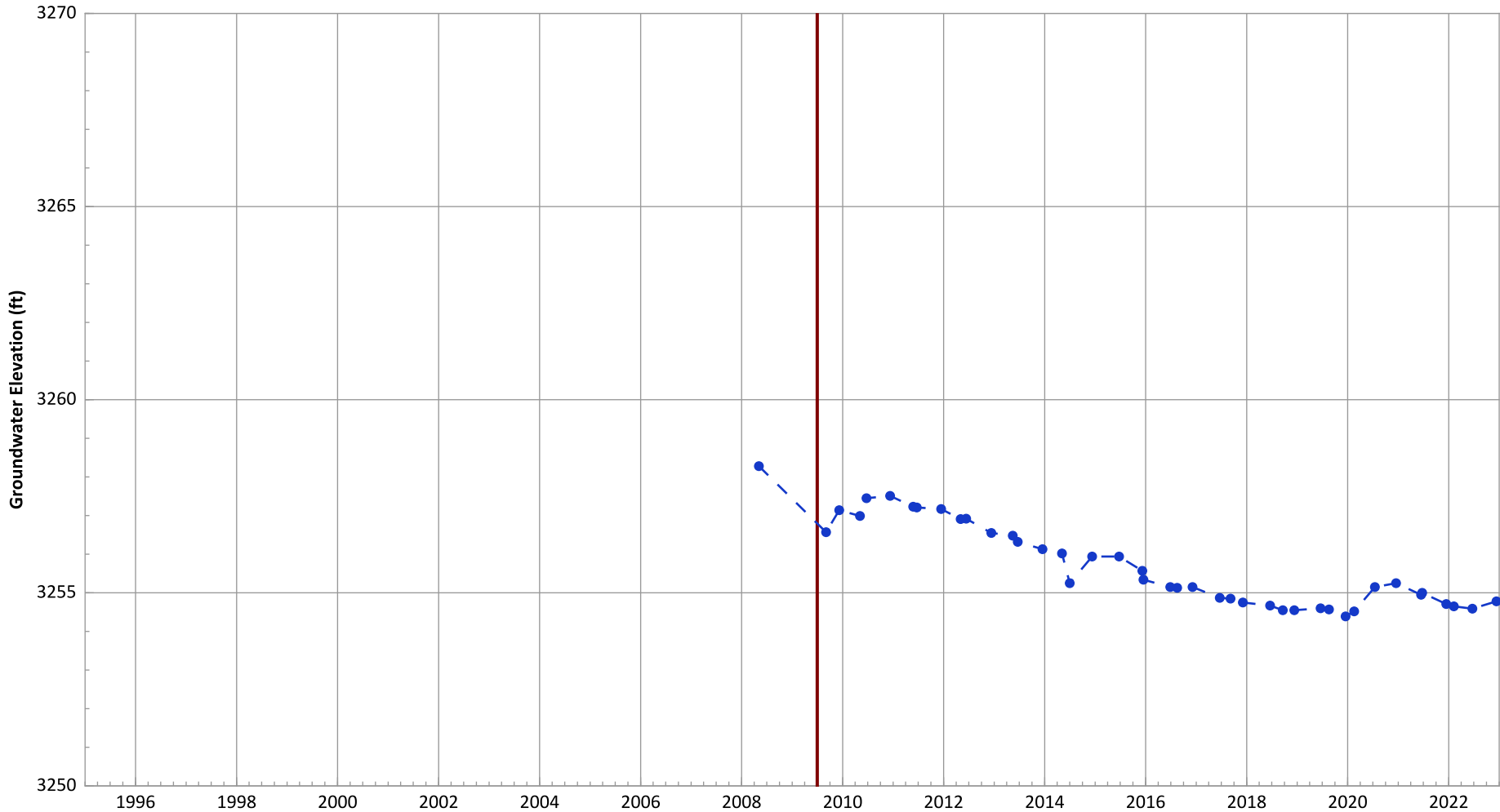
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.27 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1101 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



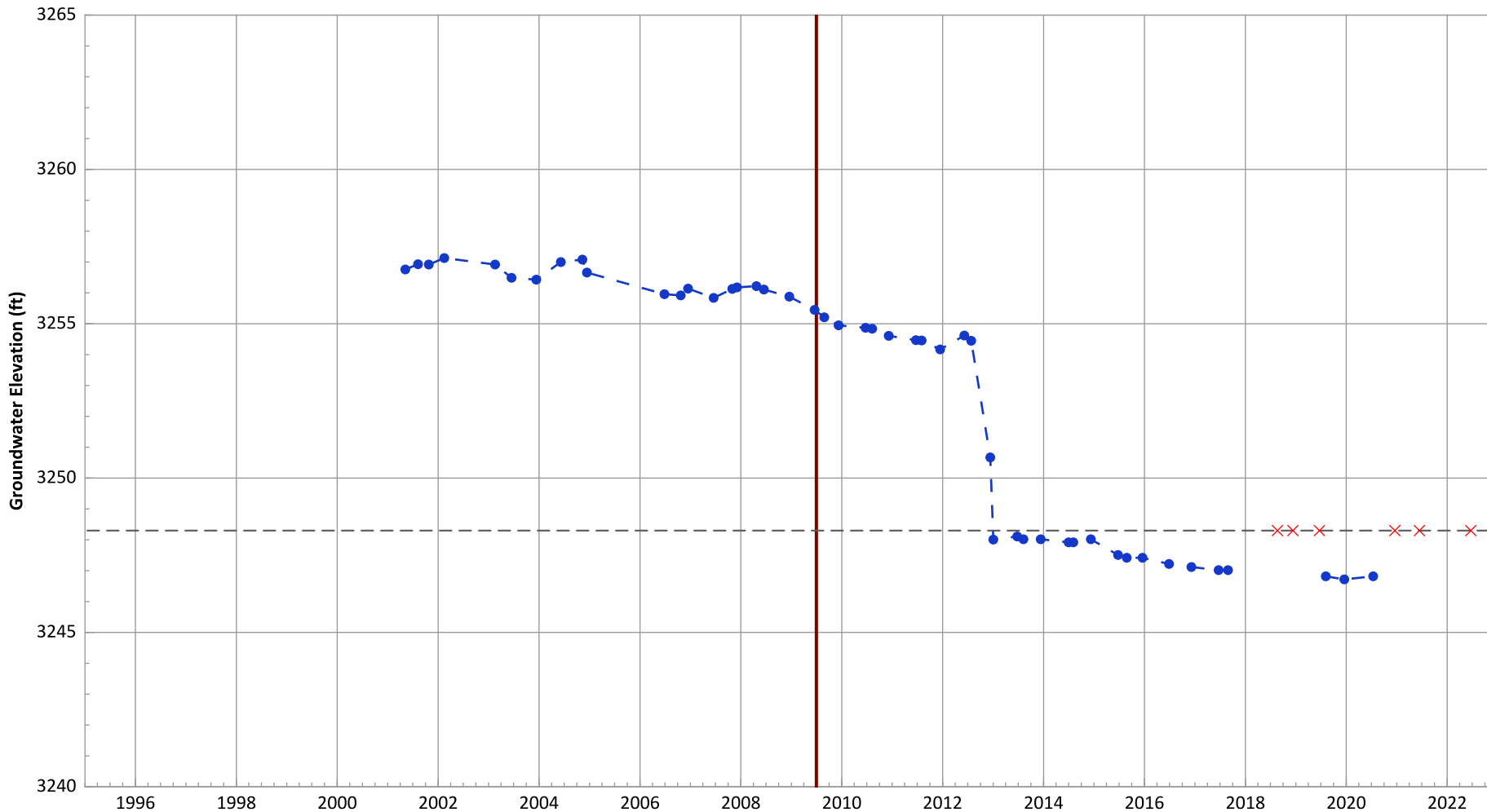
Notes:  
 1. Top of screen elevation is 3258.8 ft msl.  
 2. The bottom of screen elevation is 3243.8 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.24 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1102 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

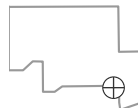


**Notes:**

1. Top of screen elevation is 3288.3 ft msl.
  2. The bottom of screen elevation is 3248.3 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

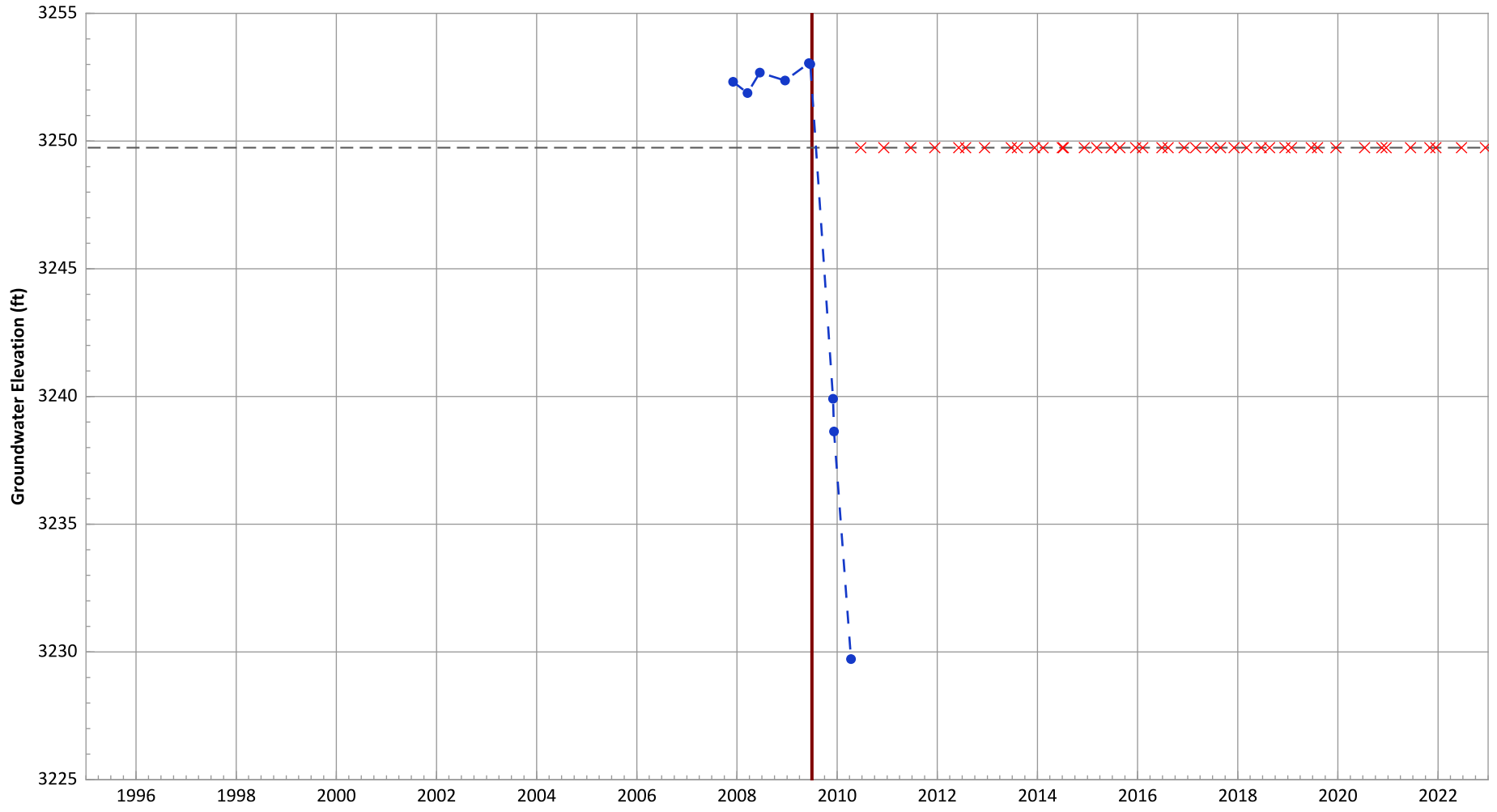
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.68 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1103 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



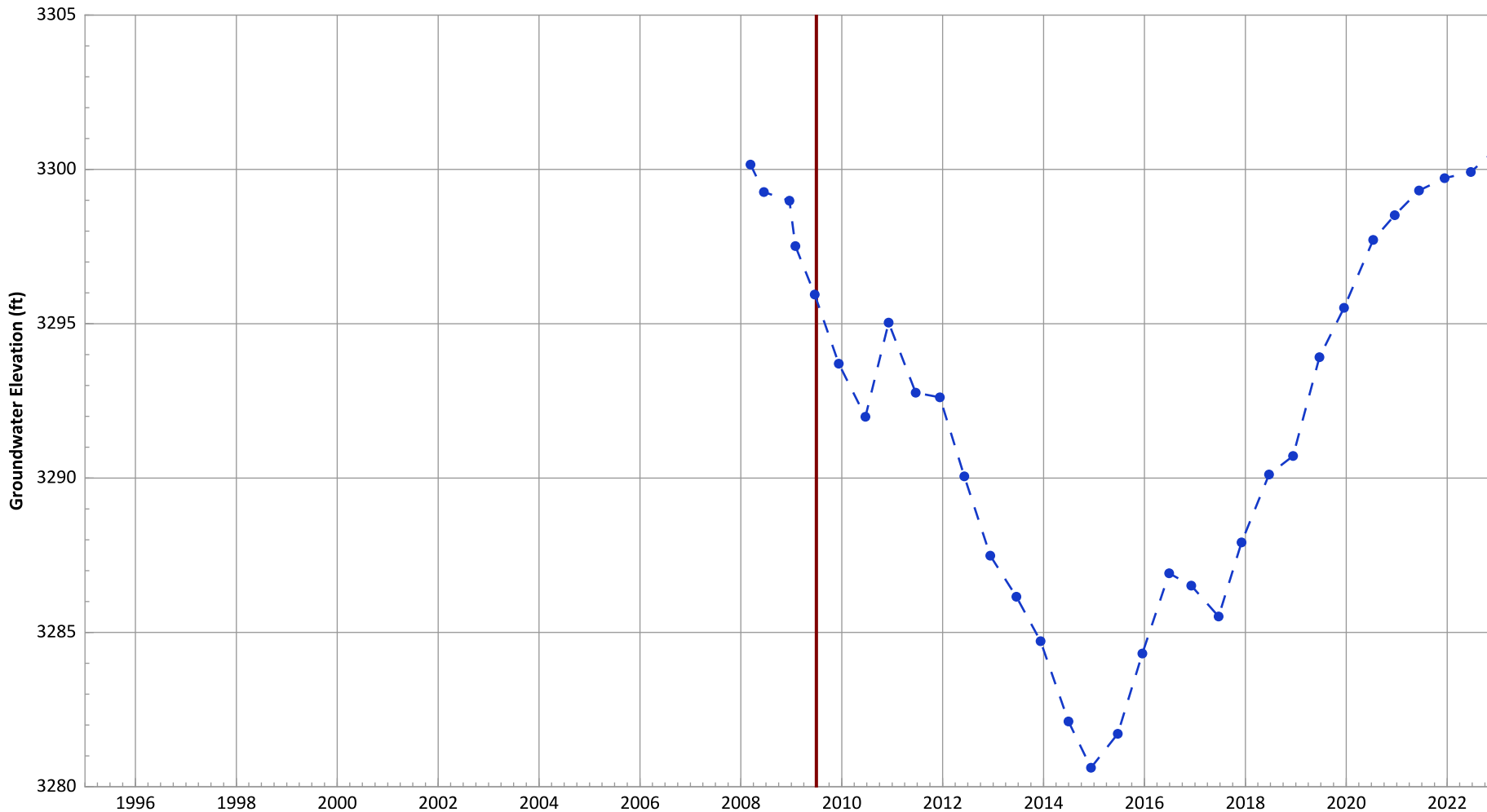
Notes:  
 1. Top of screen elevation is 3259.74 ft msl.  
 2. The bottom of screen elevation is 3249.74 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 7.9 ft/yr  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1109 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

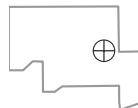


**Notes:**

1. Top of screen elevation is 3268.25 ft msl.
  2. The bottom of screen elevation is 3258.25 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**

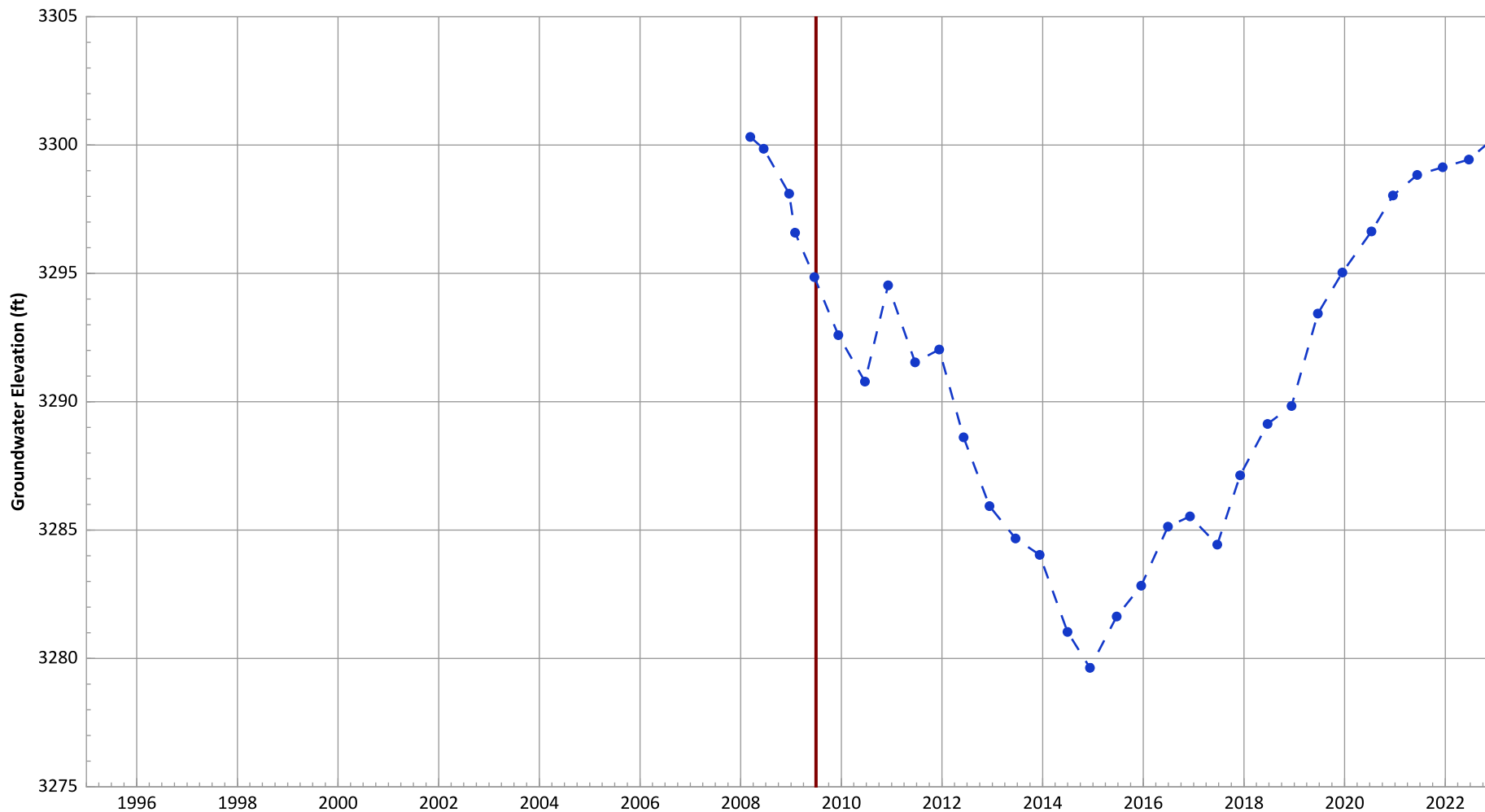


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 3.3 ft/yr



**PTX06-1110 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

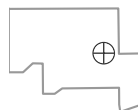


**Notes:**

1. Top of screen elevation is 3268.51 ft msl.
  2. The bottom of screen elevation is 3258.51 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

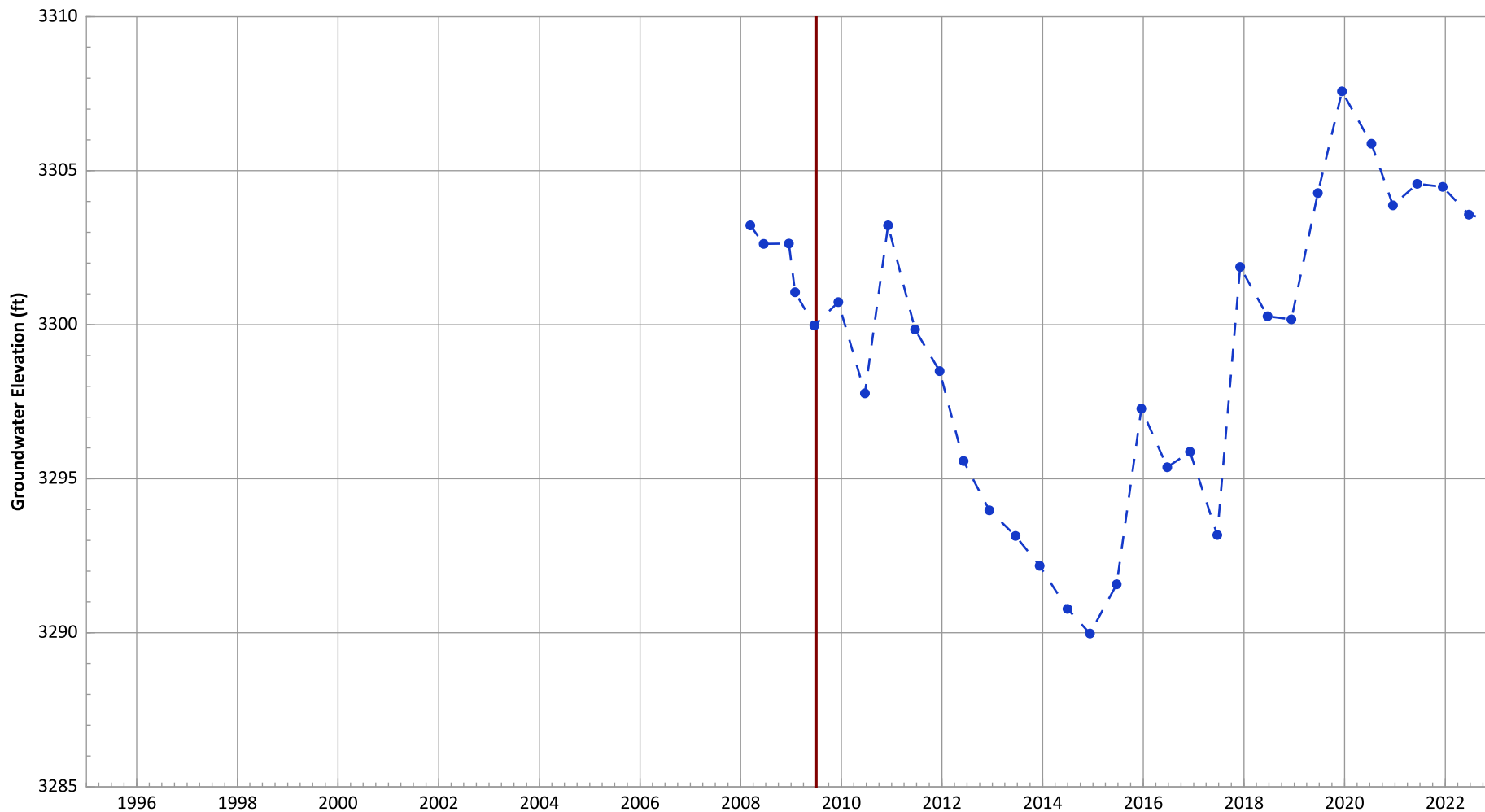
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.1 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 3.4 ft/yr

**PTX06-1112 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

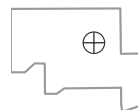


**Notes:**

1. Top of screen elevation is 3278.44 ft msl.
  2. The bottom of screen elevation is 3268.44 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

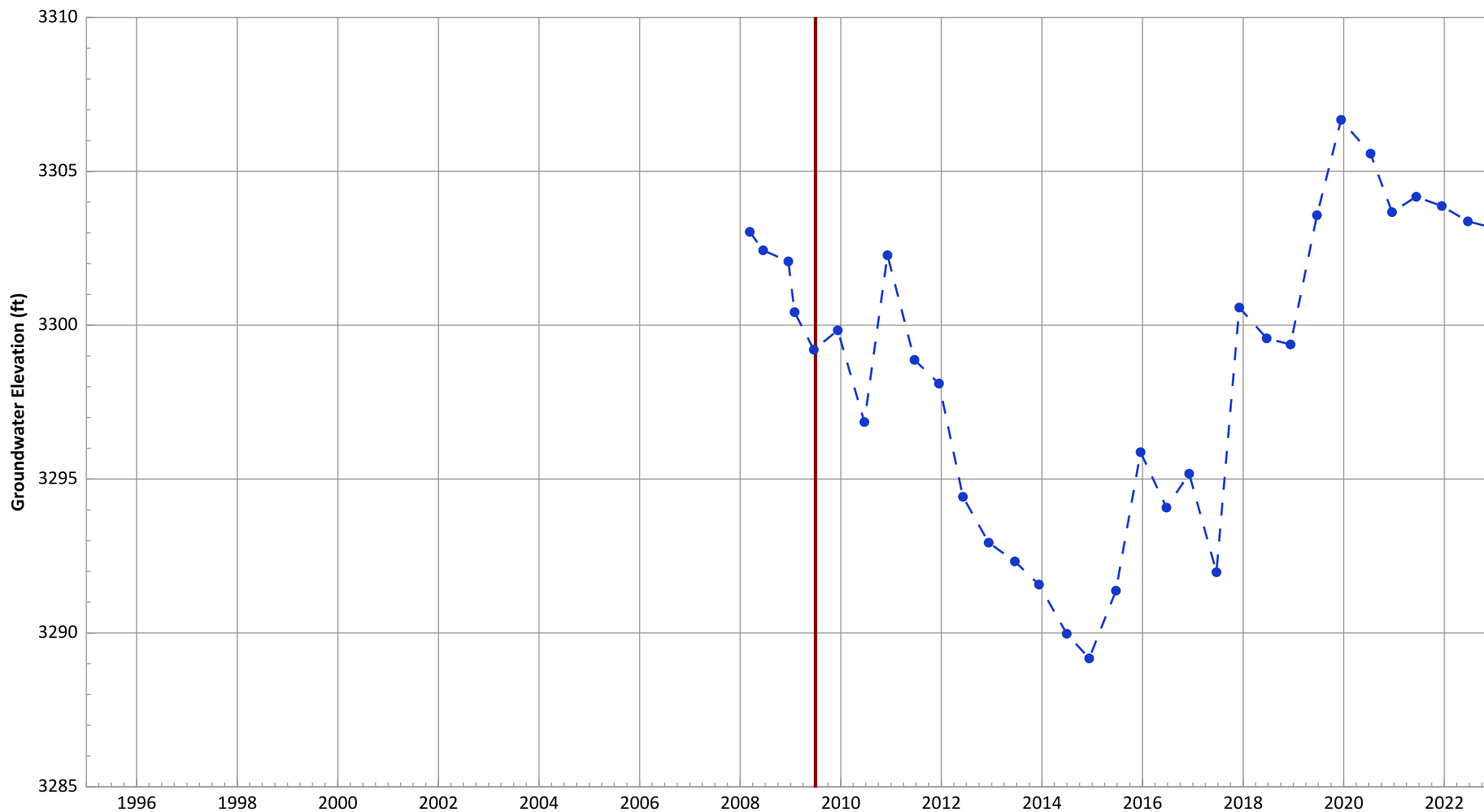
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.28 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.92 ft/yr

PTX06-1113 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

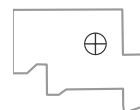


Notes:

1. Top of screen elevation is 3278.58 ft msl.
  2. The bottom of screen elevation is 3268.58 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

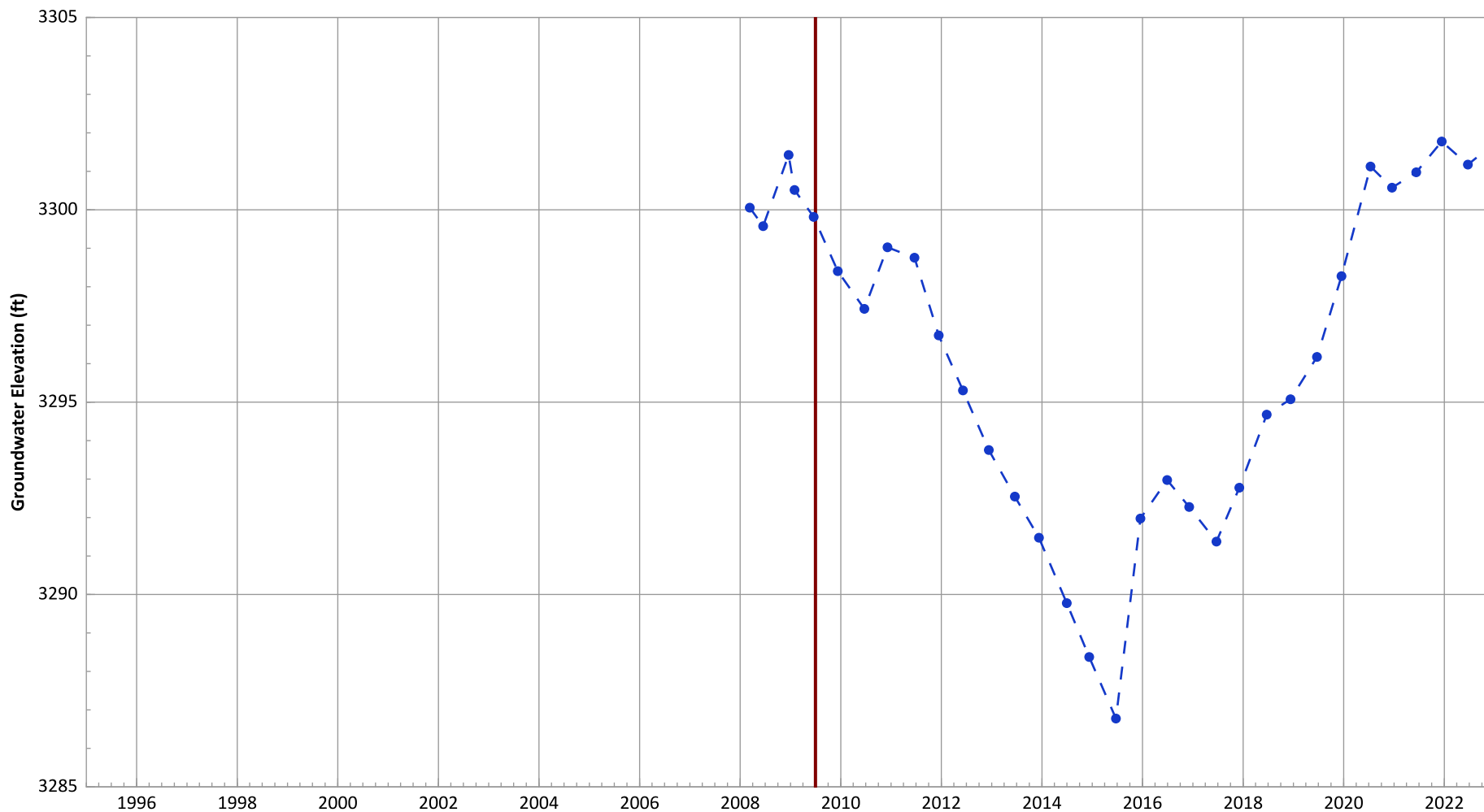
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.29 ft/yr  
Data (1/2017 - 1/2021): Increasing at 2.11 ft/yr

**PTX06-1115 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

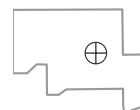


**Notes:**

1. Top of screen elevation is 3273.18 ft msl.
  2. The bottom of screen elevation is 3263.18 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

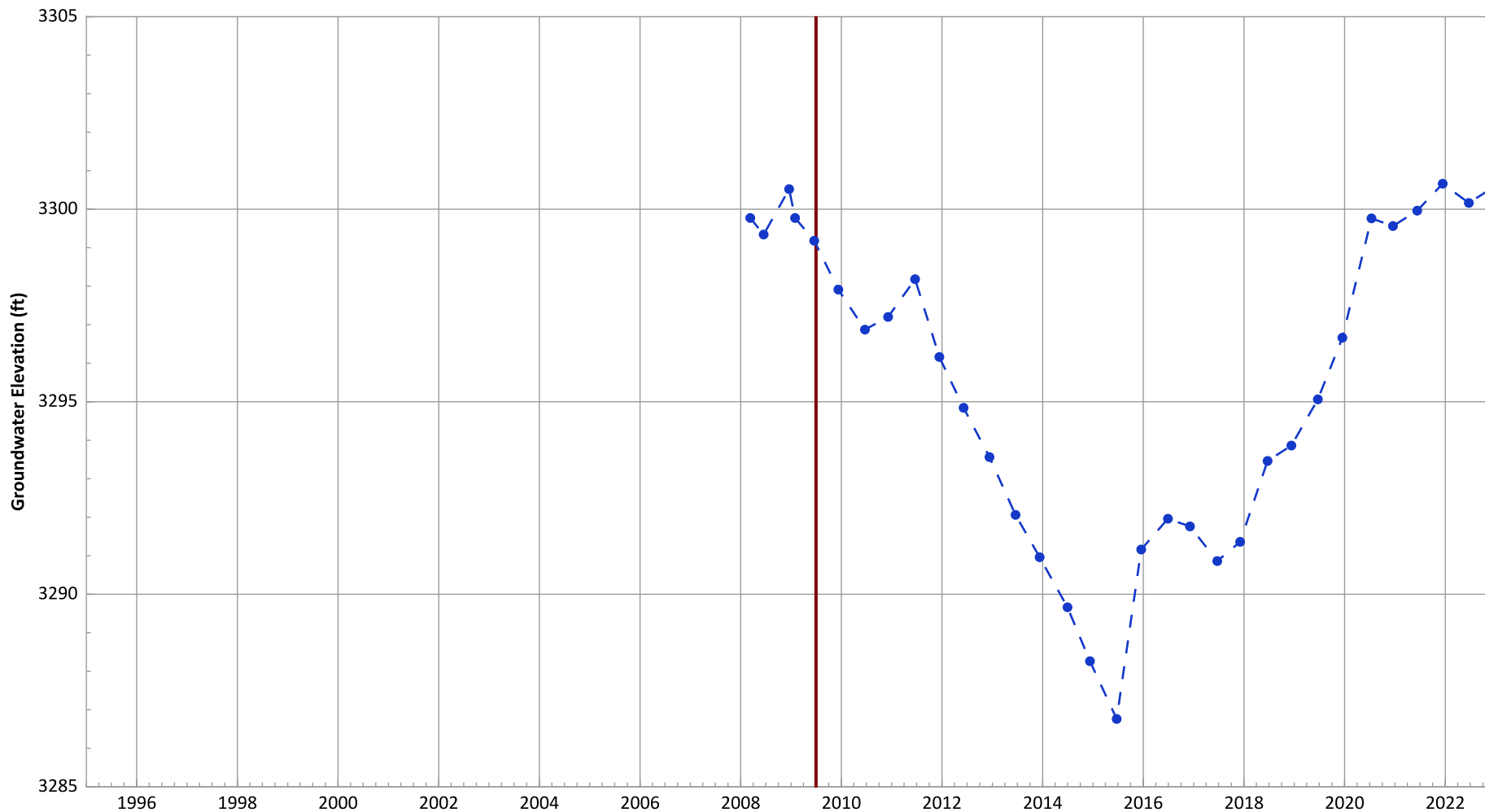
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 2.43 ft/yr

**PTX06-1116 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

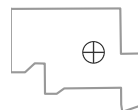


**Notes:**

1. Top of screen elevation is 3278.26 ft msl.
  2. The bottom of screen elevation is 3268.26 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

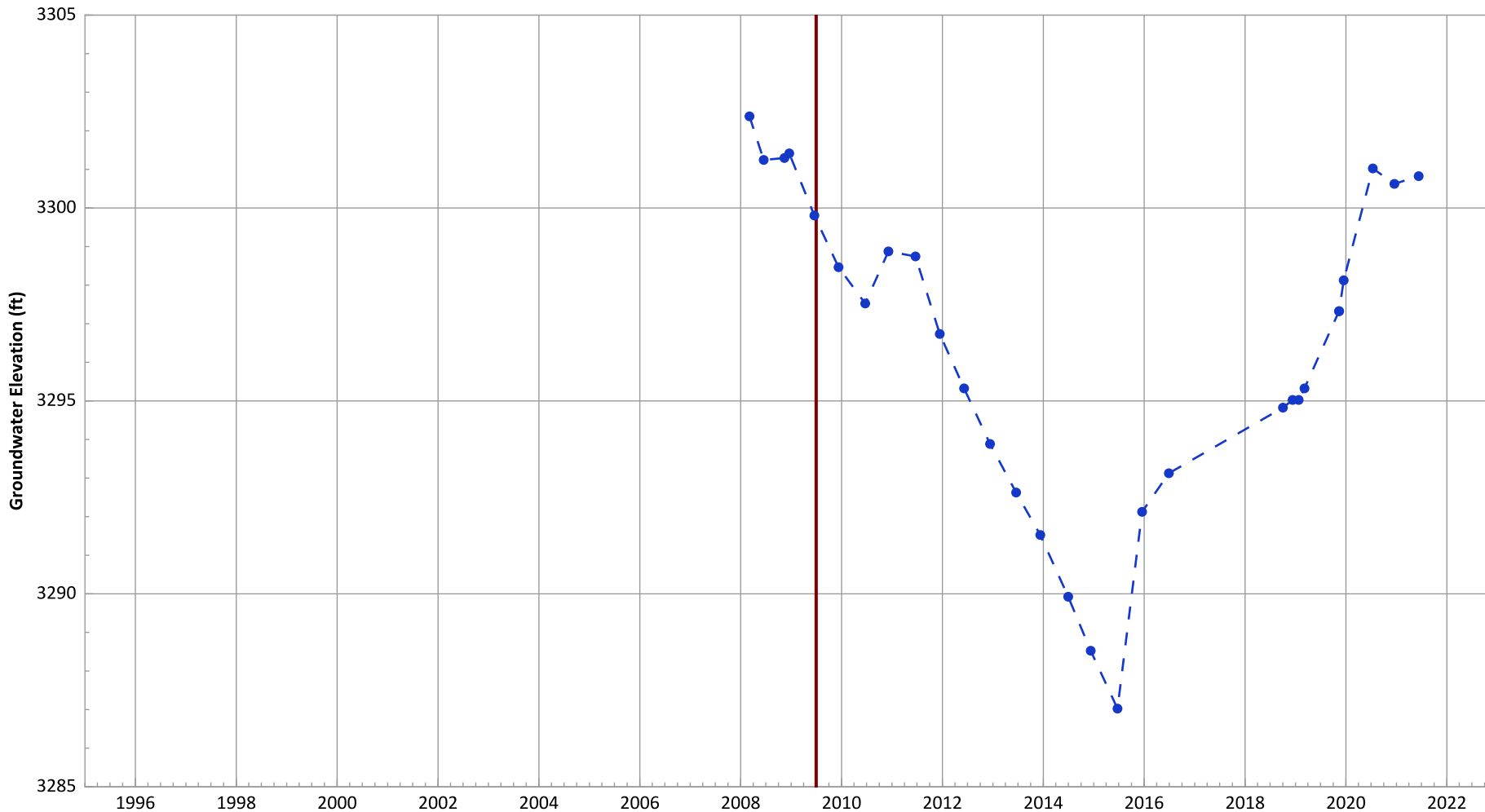
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 2.4 ft/yr

**PTX06-1117 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

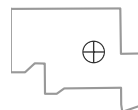


**Notes:**

1. Top of screen elevation is 3317.97 ft msl.
  2. The bottom of screen elevation is 3267.97 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

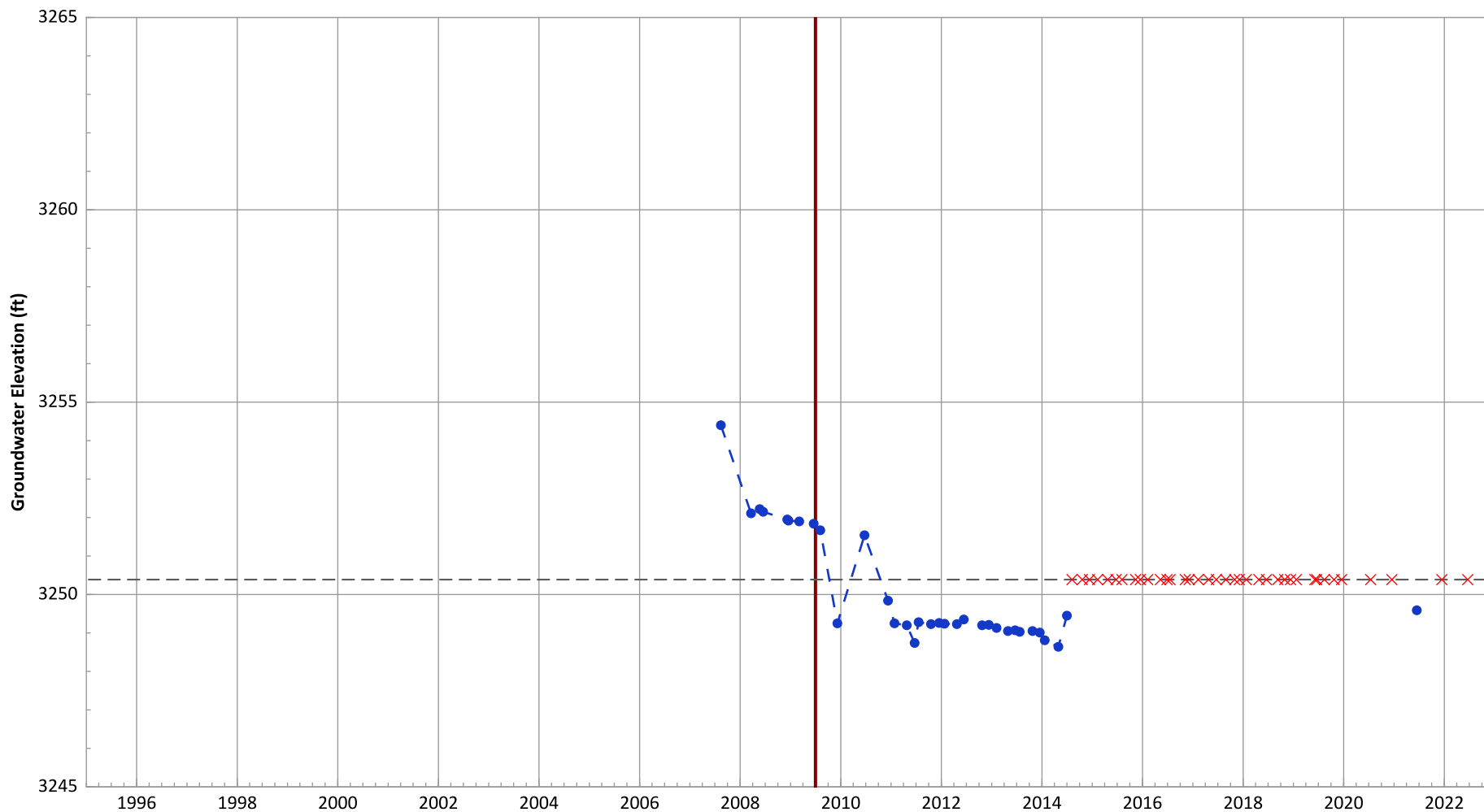
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.19 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 2.7 ft/yr

**PTX06-1118 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

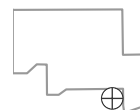


**Notes:**

1. Top of screen elevation is 3260.39 ft msl.
  2. The bottom of screen elevation is 3250.39 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

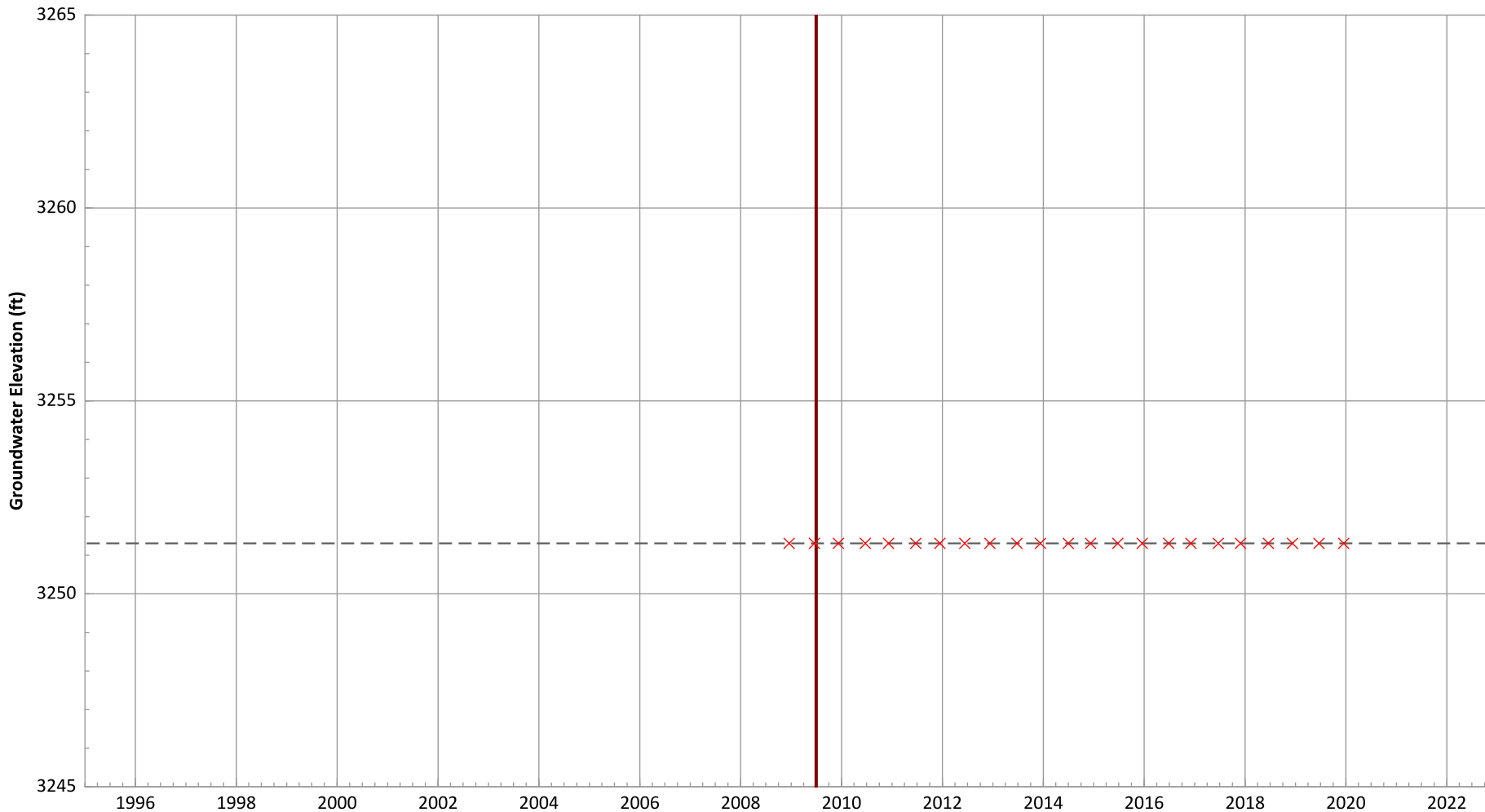
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.39 ft/yr  
 Data (1/2017 - 1/2021): N/A (<3 Measurements)

**PTX06-1119 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

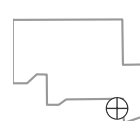


**Notes:**

1. Top of screen elevation is 3261.31 ft msl.
  2. The bottom of screen elevation is 3251.31 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

**Well Location**

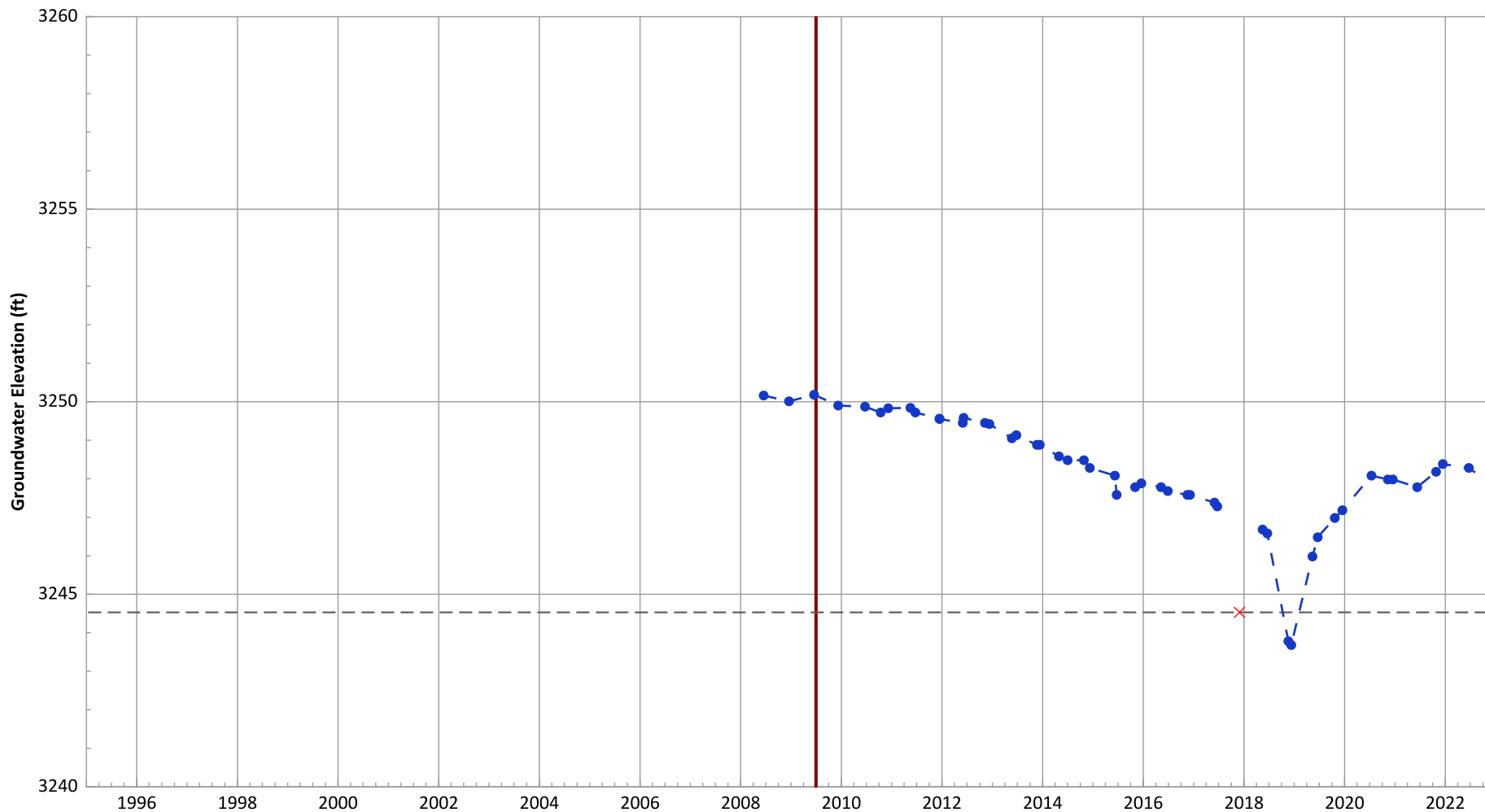


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)



**PTX06-1120 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

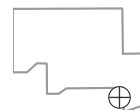


**Notes:**

1. Top of screen elevation is 3259.53 ft msl.
  2. The bottom of screen elevation is 3244.53 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

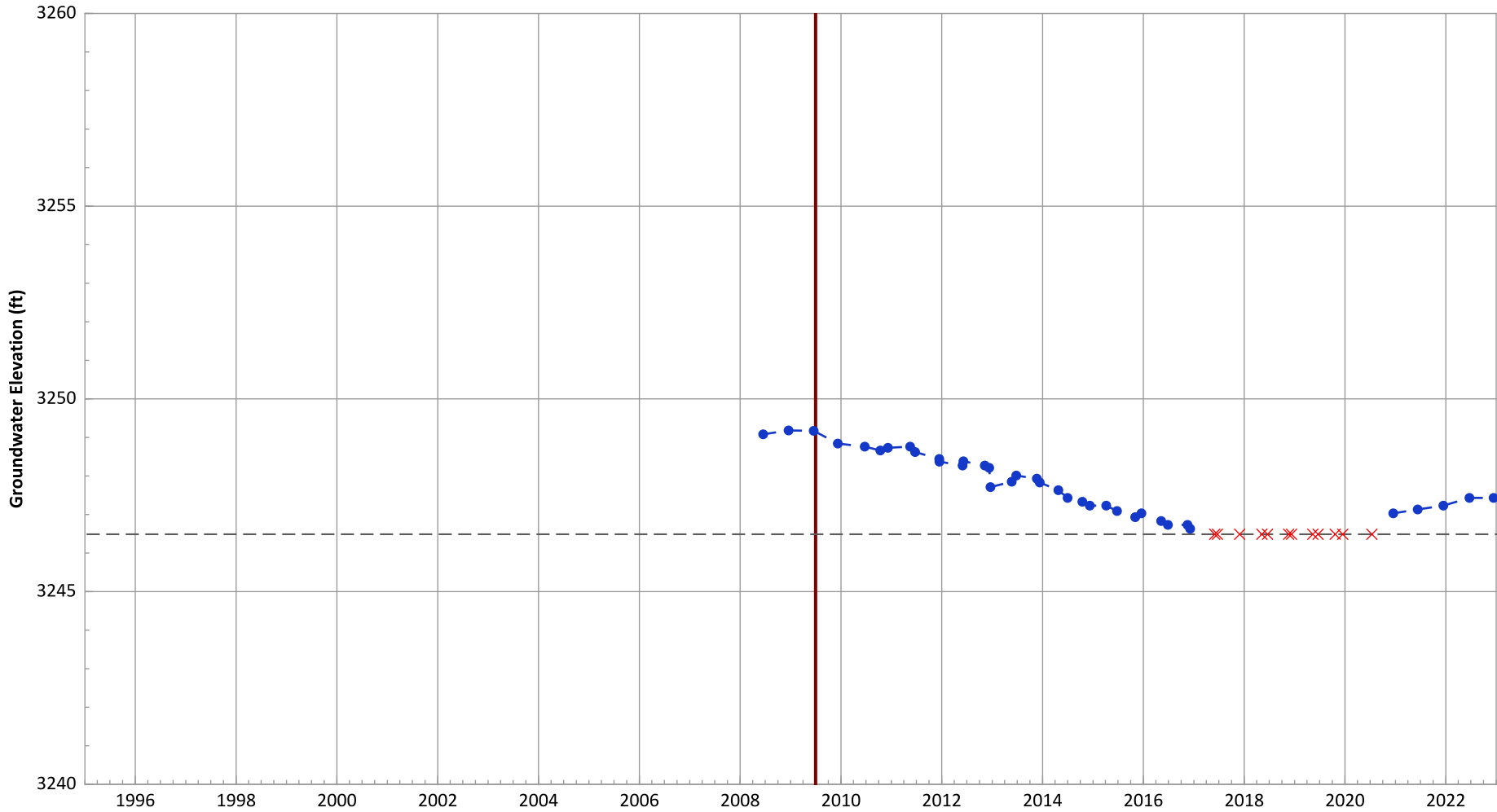
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.24 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.49 ft/yr

**PTX06-1121 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



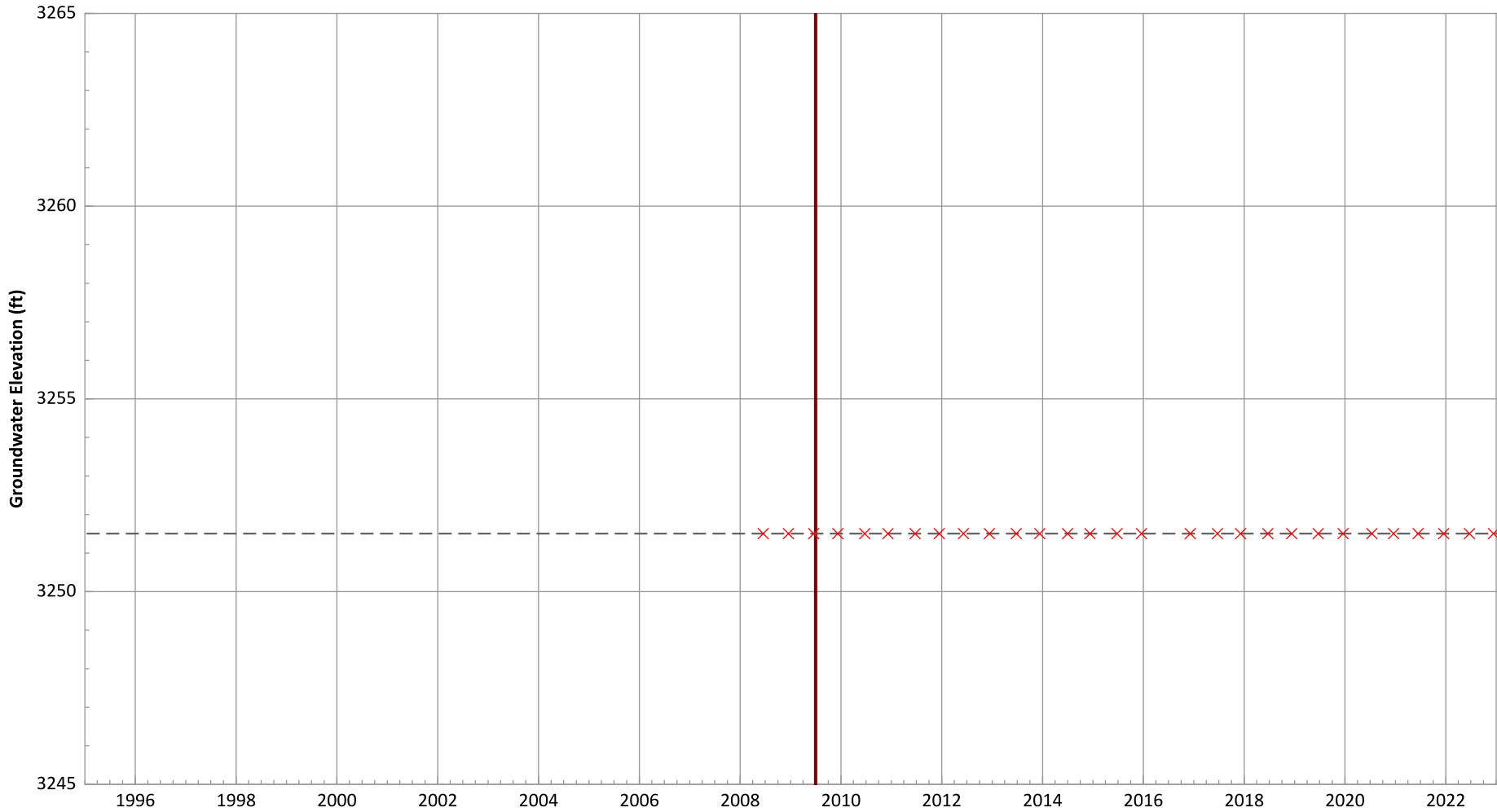
Notes:  
 1. Top of screen elevation is 3256.49 ft msl.  
 2. The bottom of screen elevation is 3246.49 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.16 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.2 ft/yr

**PTX06-1122 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

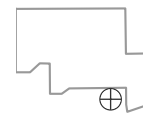


**Notes:**

1. Top of screen elevation is 3261.5 ft msl.
  2. The bottom of screen elevation is 3251.5 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

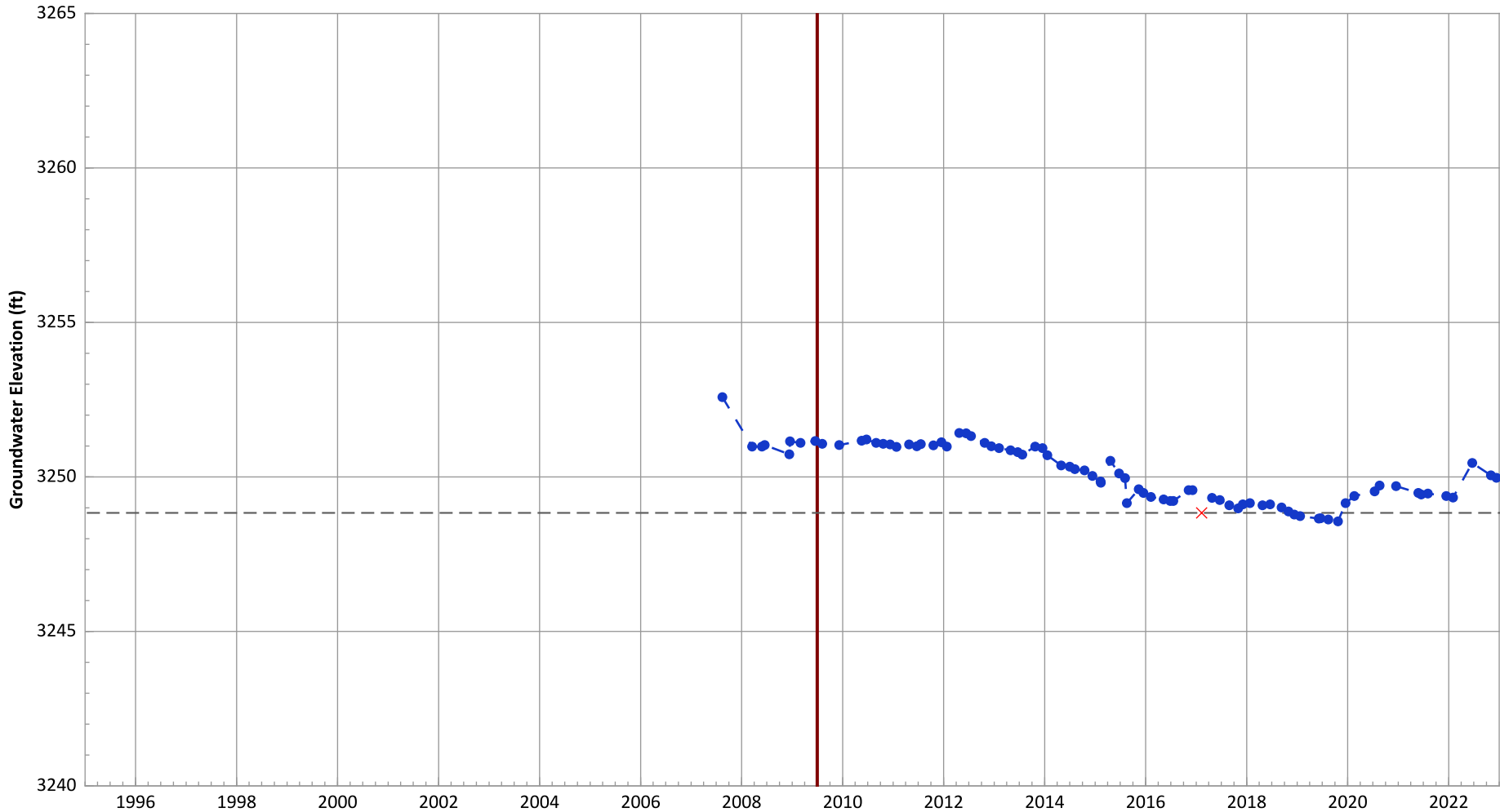
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1123 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



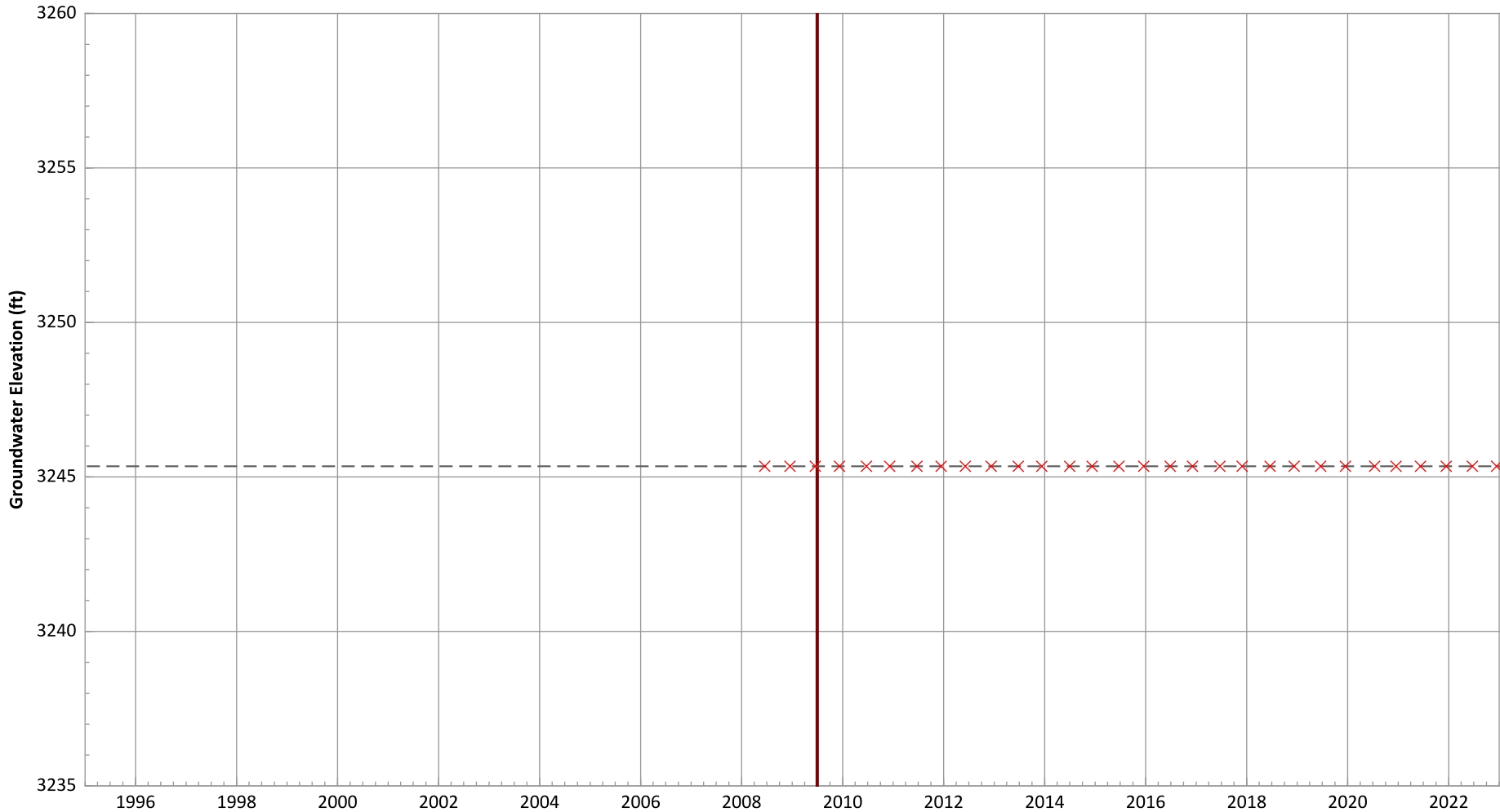
Notes:  
 1. Top of screen elevation is 3258.84 ft msl.  
 2. The bottom of screen elevation is 3248.84 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.18 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.1 ft/yr

**PTX06-1125 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



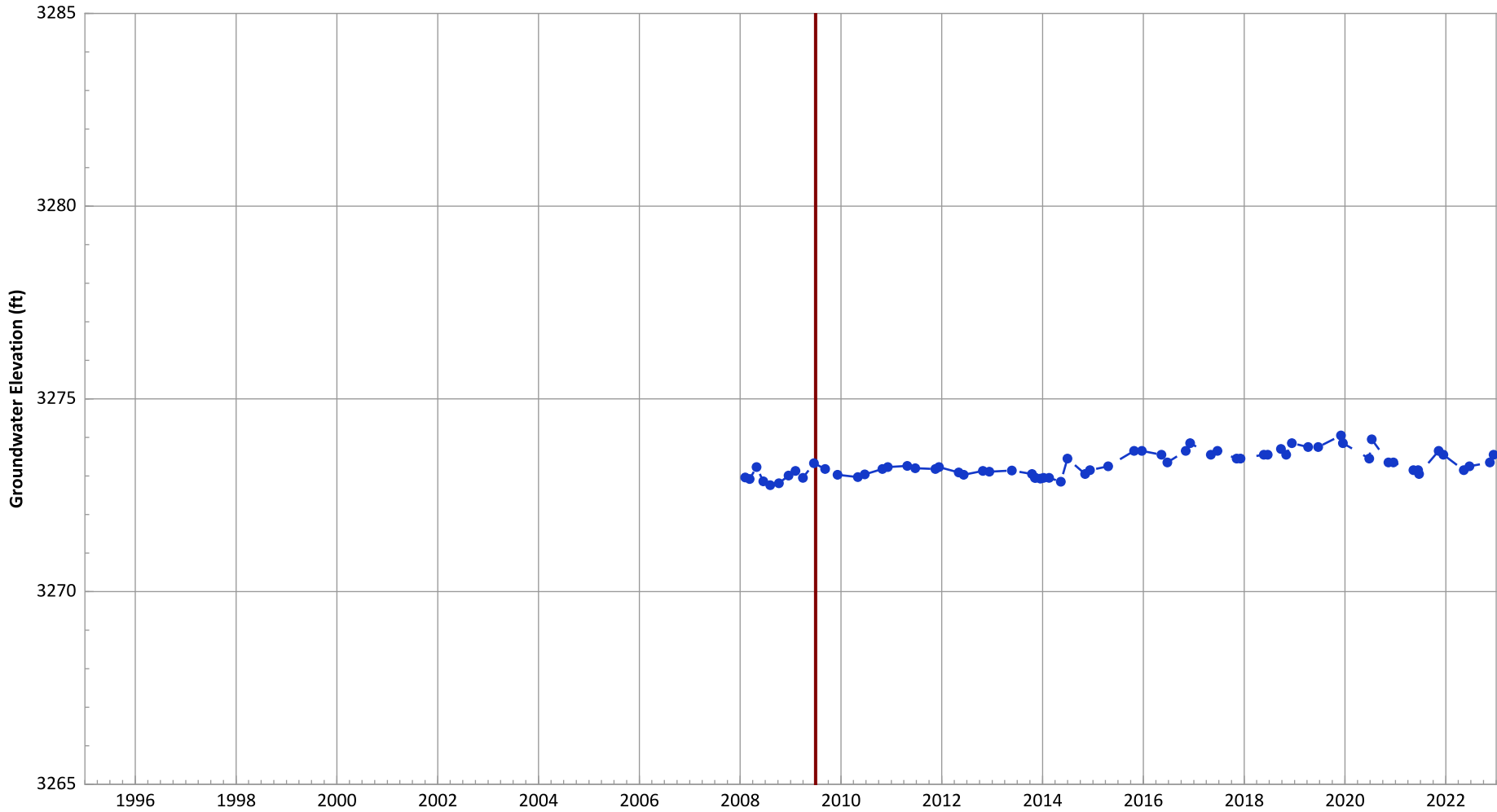
Notes:  
 1. Top of screen elevation is 3255.34 ft msl.  
 2. The bottom of screen elevation is 3245.34 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-1126 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

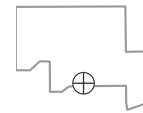


Notes:

1. Top of screen elevation is 3282.55 ft msl.
  2. The bottom of screen elevation is 3252.55 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

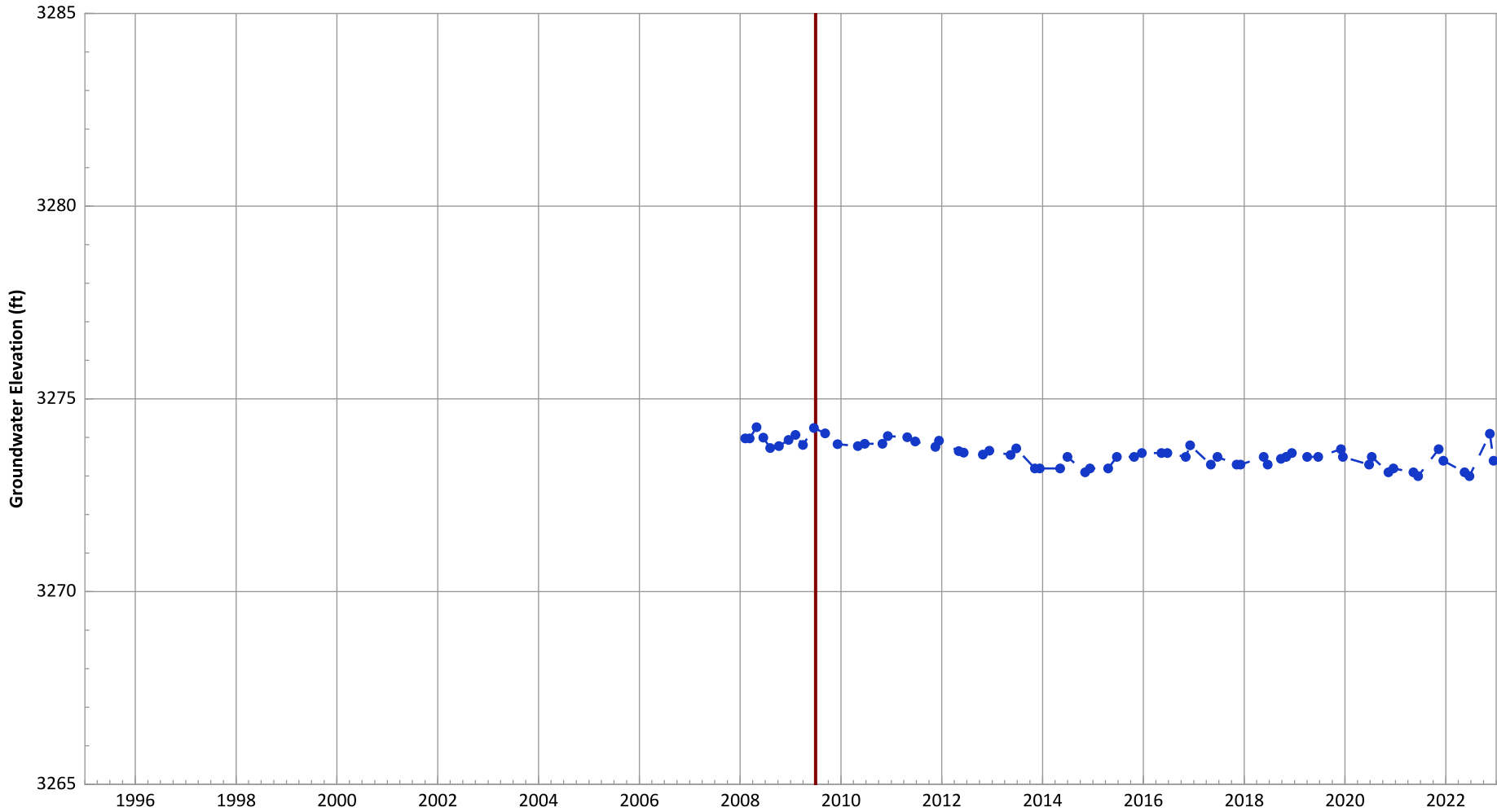
—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1127 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

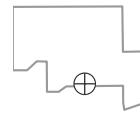


**Notes:**

1. Top of screen elevation is 3278.57 ft msl.
  2. The bottom of screen elevation is 3248.57 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

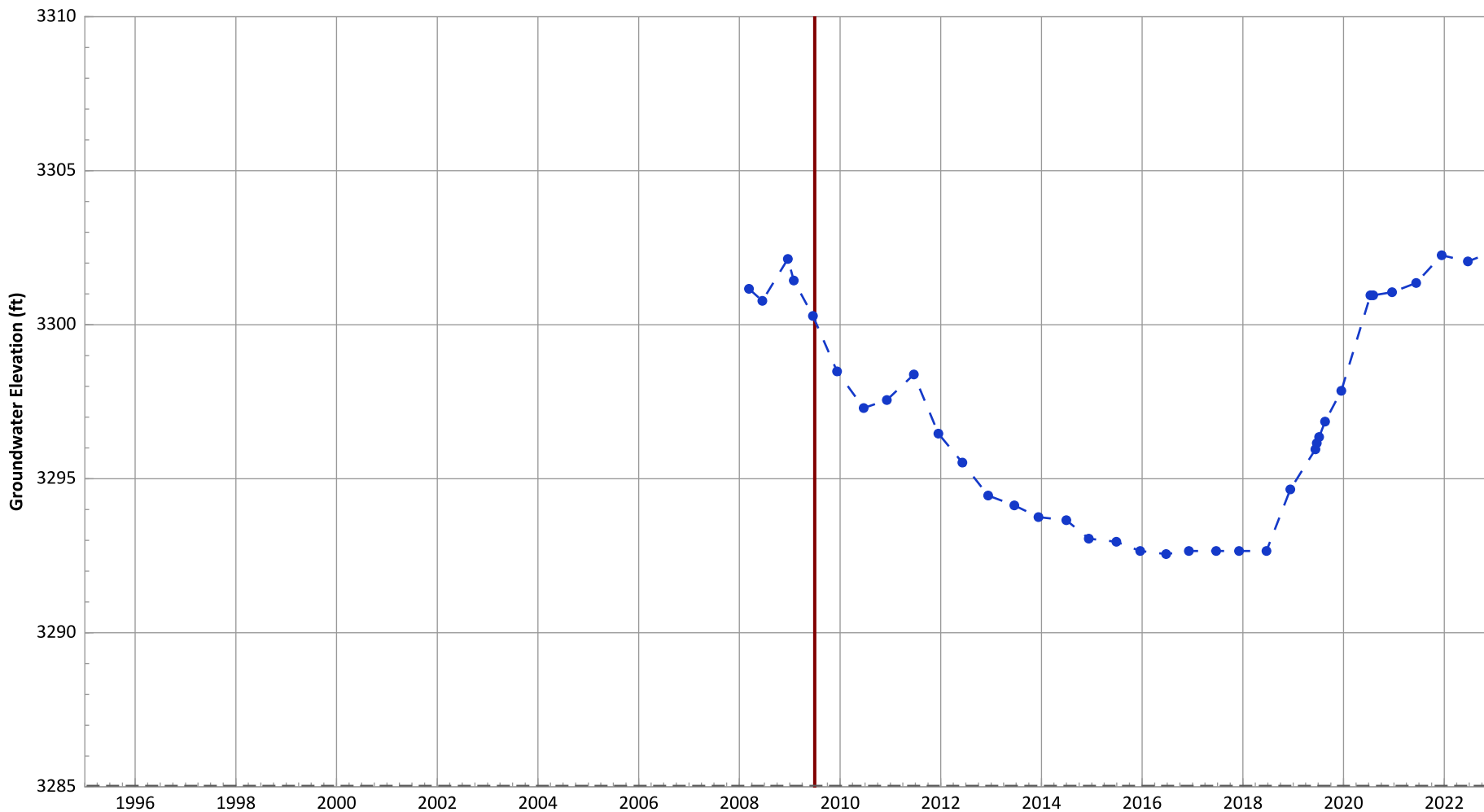
—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1128 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3325.04 ft msl.
  2. The bottom of screen elevation is 3285.04 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**

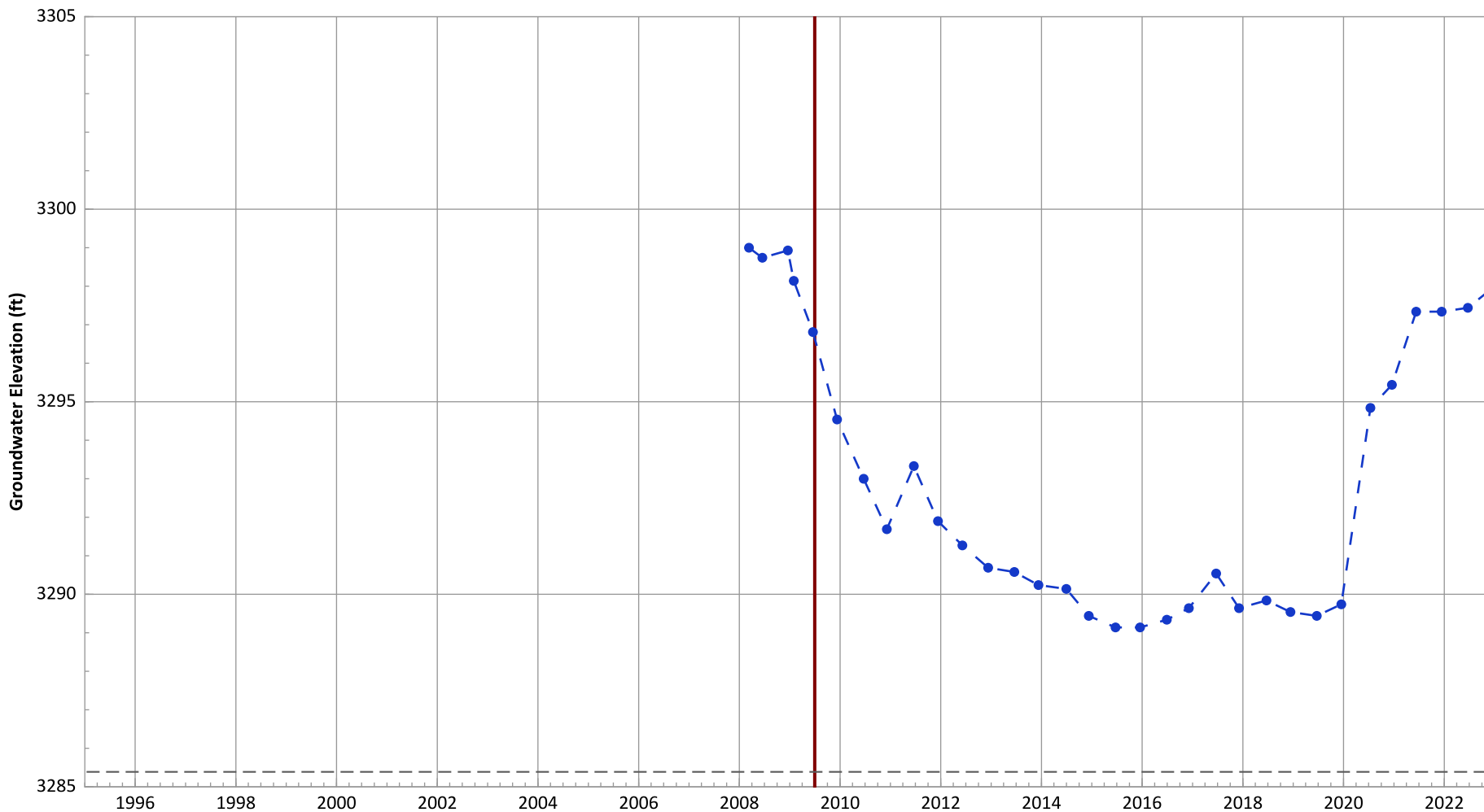


**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 2.62 ft/yr



**PTX06-1129 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

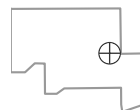


**Notes:**

1. Top of screen elevation is 3305.39 ft msl.
  2. The bottom of screen elevation is 3285.39 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

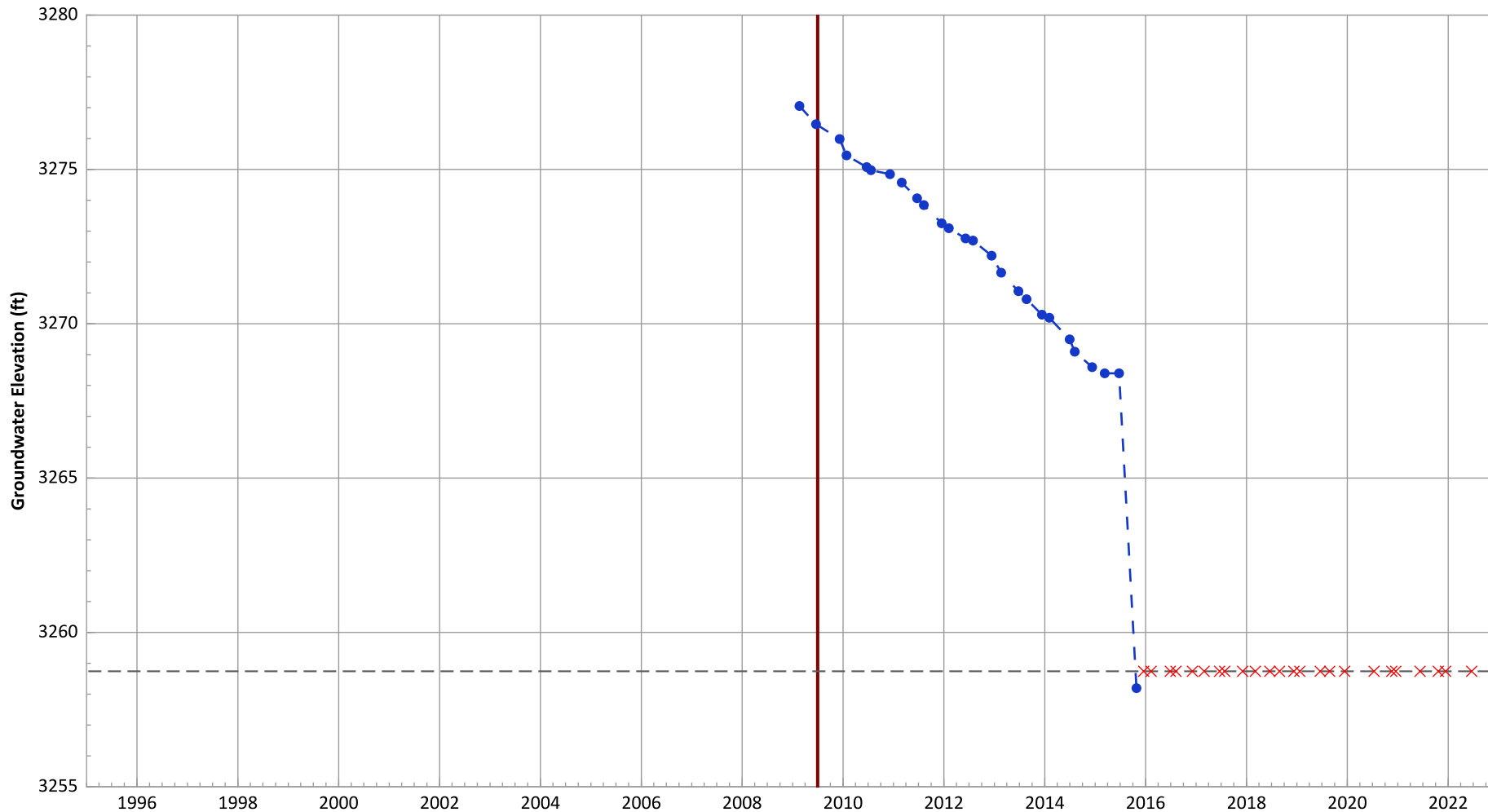
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.13 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.93 ft/yr

**PTX06-1130 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

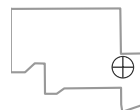


**Notes:**

1. Top of screen elevation is 3283.74 ft msl.
  2. The bottom of screen elevation is 3258.74 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

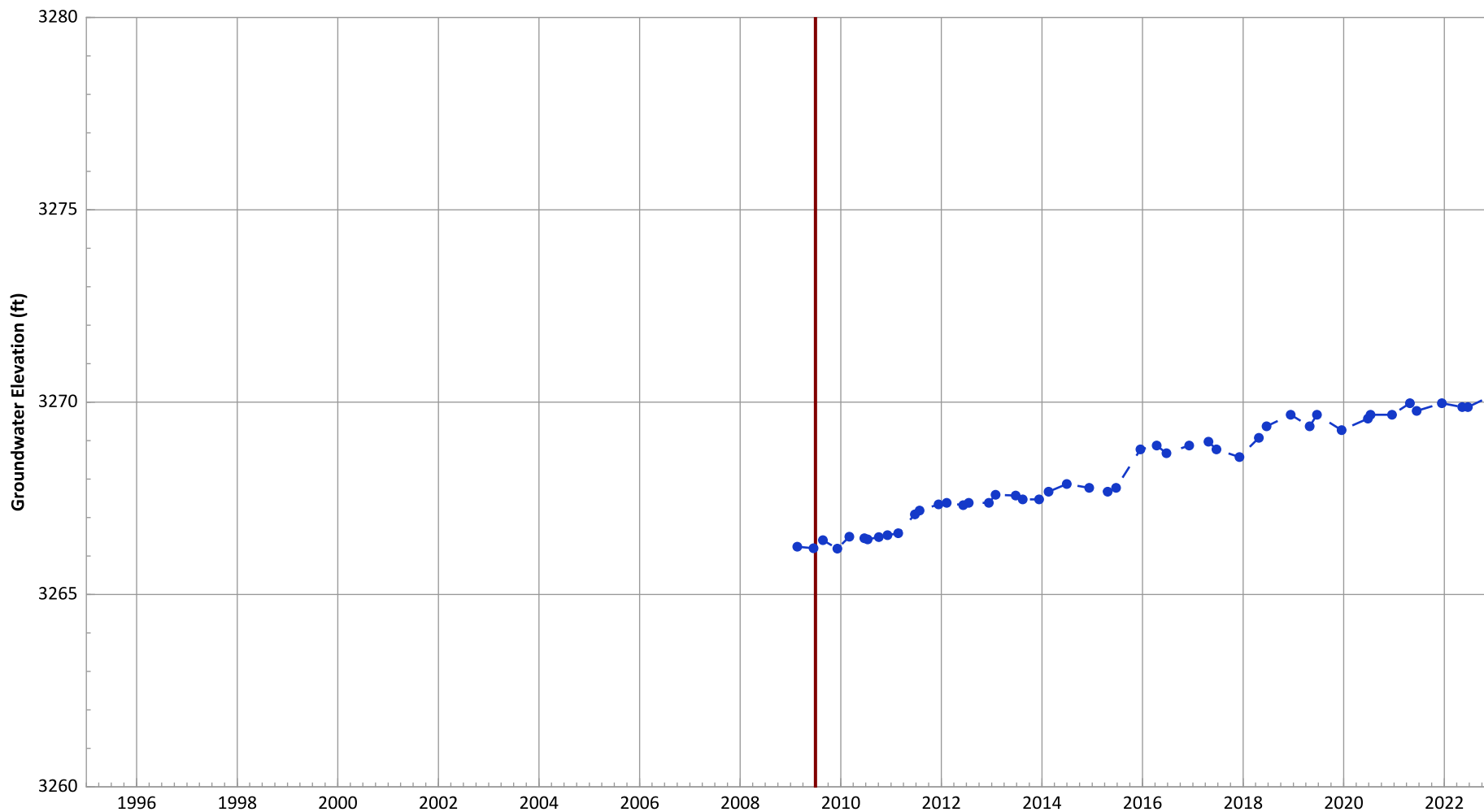
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 1.74 ft/yr  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1131 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

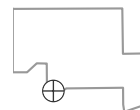


**Notes:**

1. Top of screen elevation is 3278.81 ft msl.
  2. The bottom of screen elevation is 3258.81 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

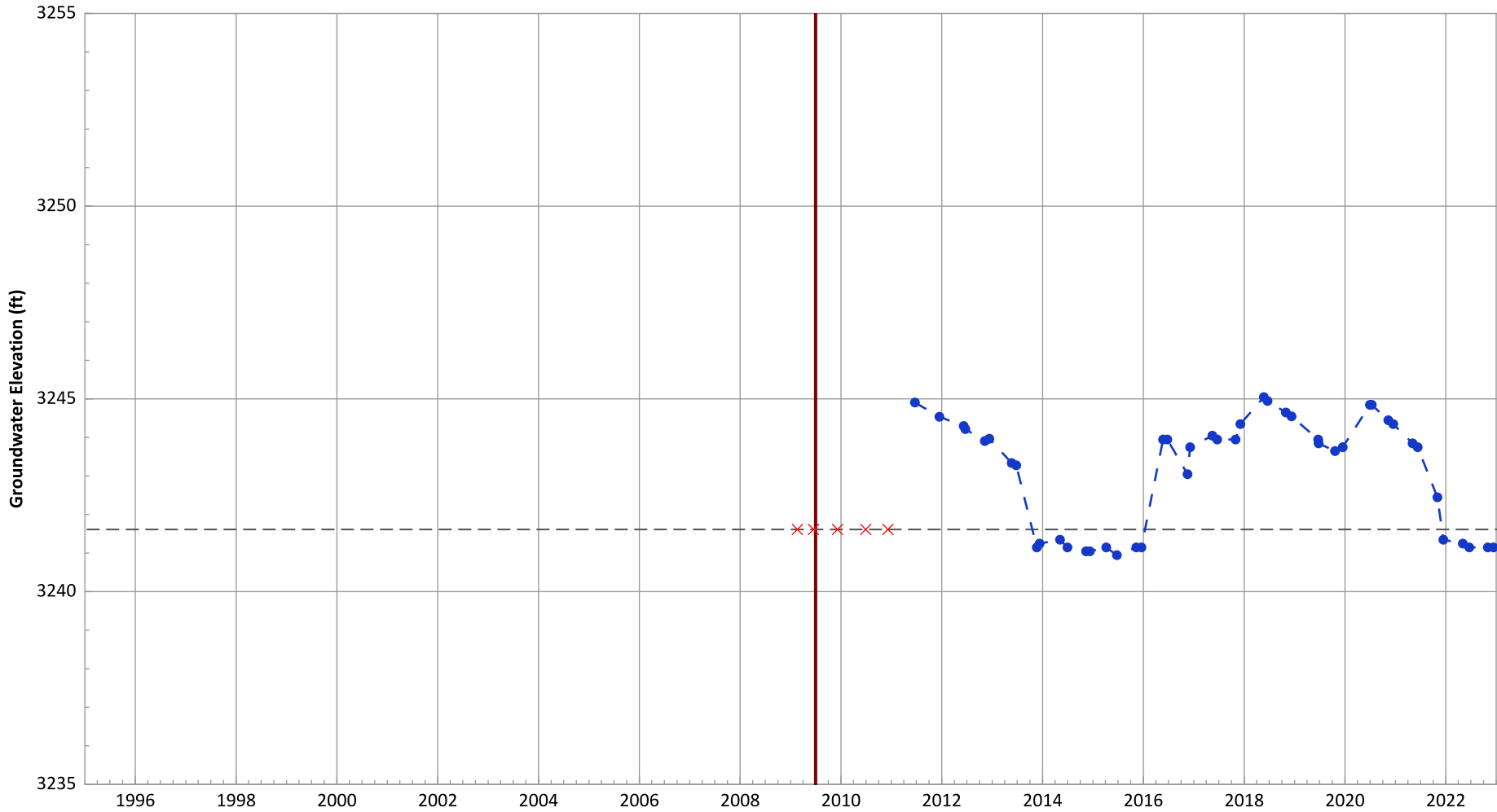
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.3 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.24 ft/yr

**PTX06-1133A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

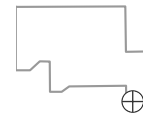


**Notes:**

1. Top of screen elevation is 3256.61 ft msl.
  2. The bottom of screen elevation is 3241.61 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

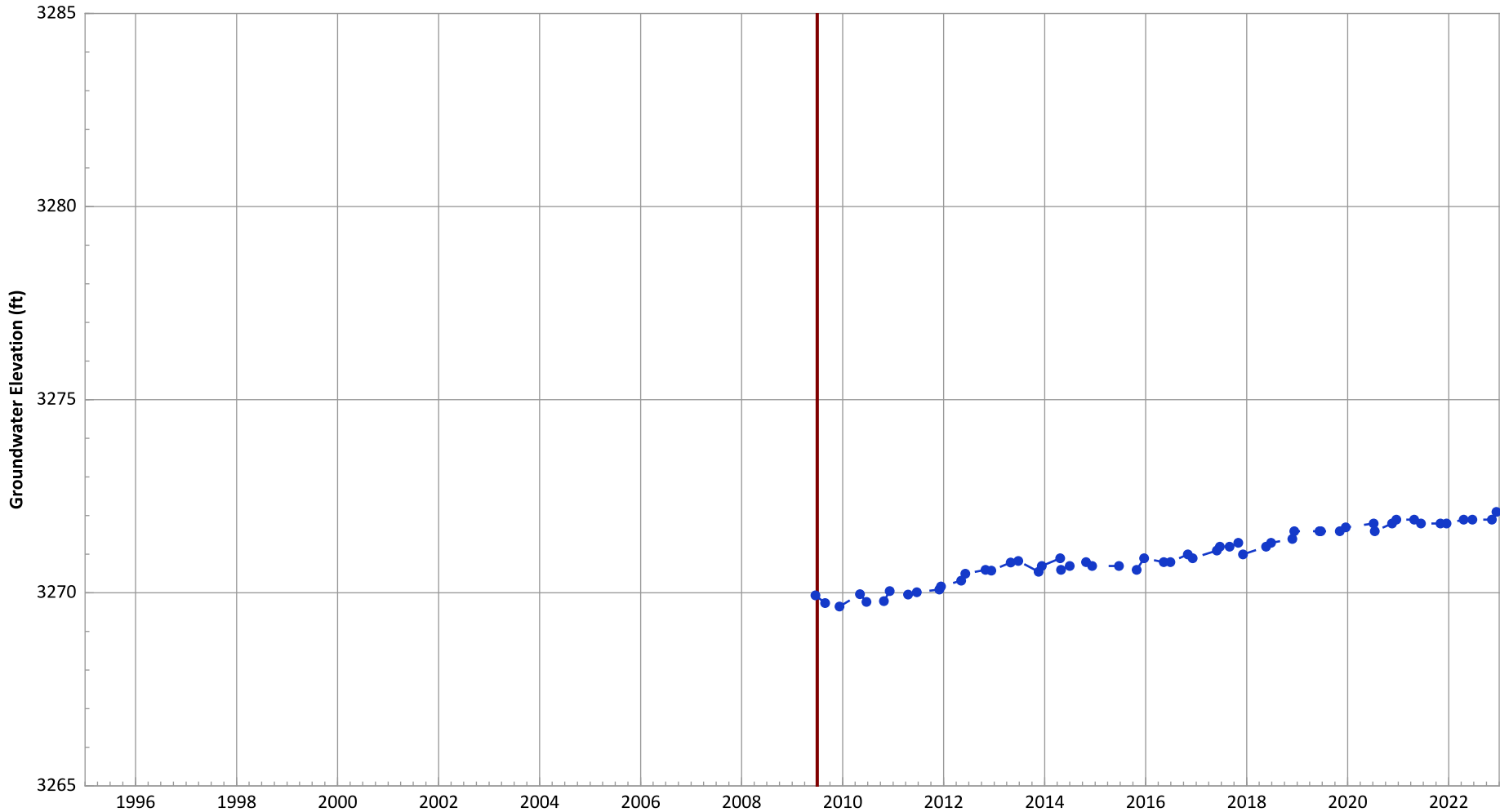
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Decreasing at 0.28 ft/yr

PTX06-1134 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



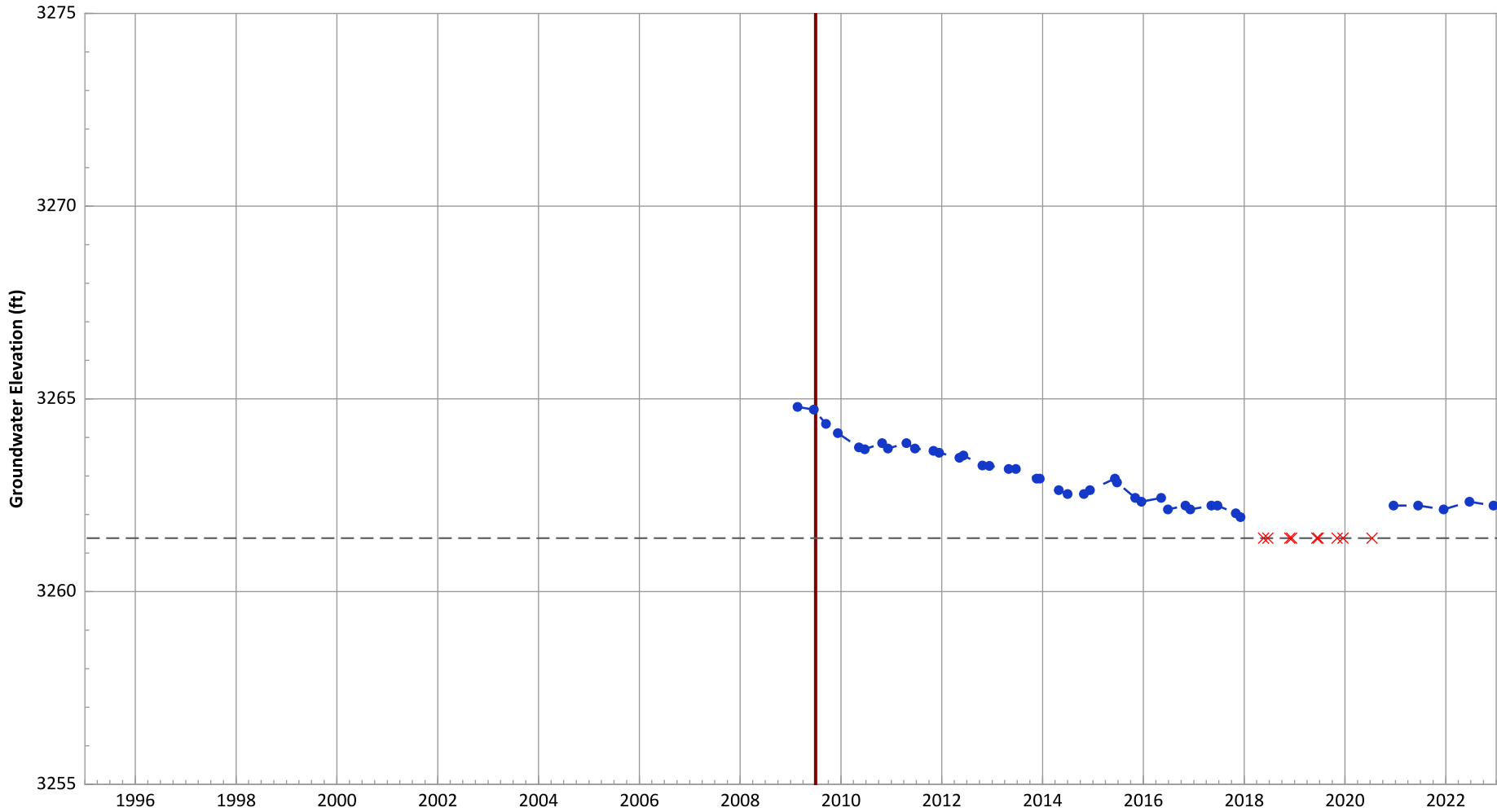
Notes:  
 1. Top of screen elevation is 3276.07 ft msl.  
 2. The bottom of screen elevation is 3261.07 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.17 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

**PTX06-1135 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

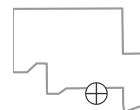


**Notes:**

1. Top of screen elevation is 3281.39 ft msl.
  2. The bottom of screen elevation is 3261.39 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- | Start of Remedial Action

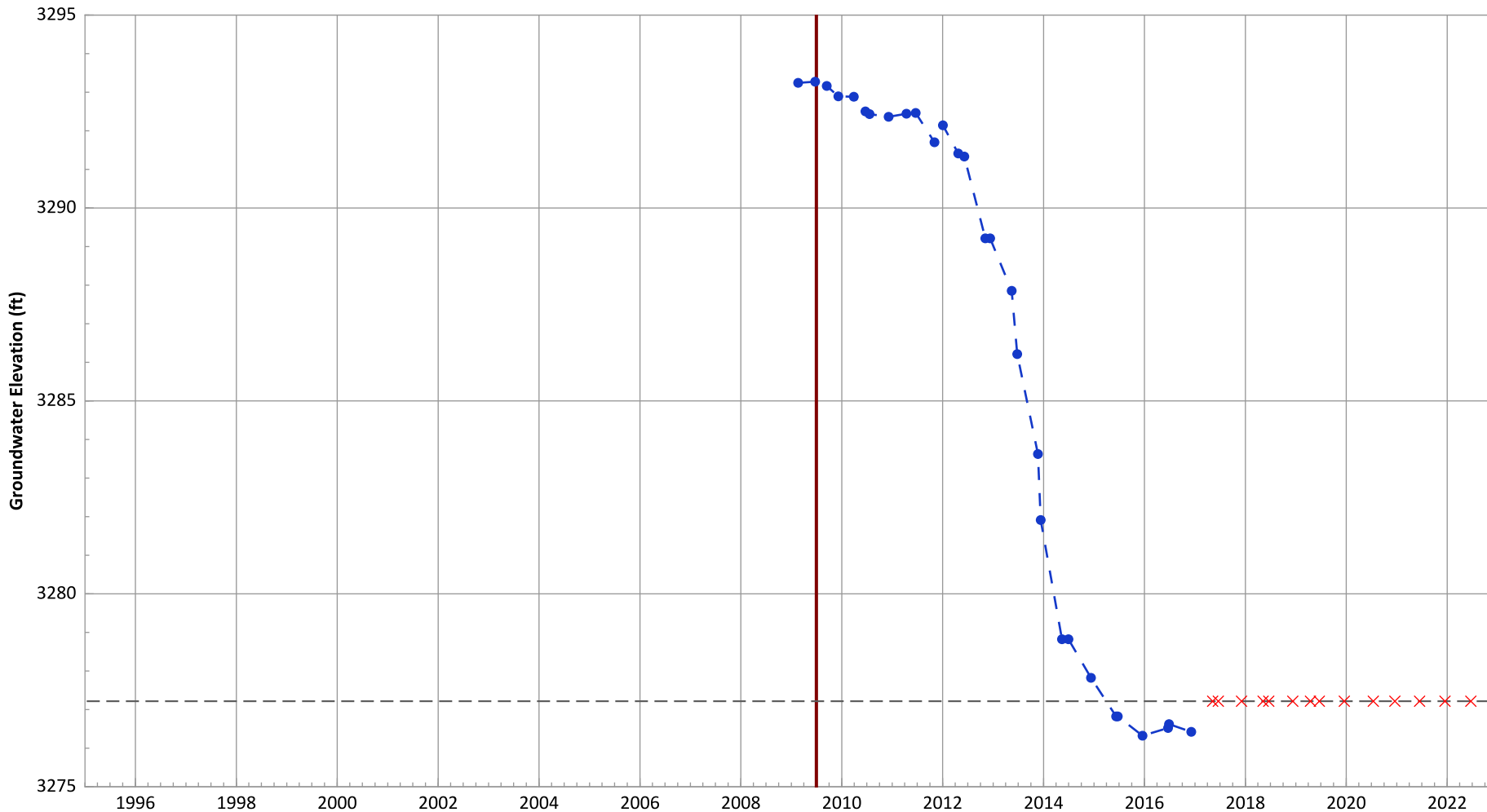
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.18 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-1136 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3297.22 ft msl.
  2. The bottom of screen elevation is 3277.22 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

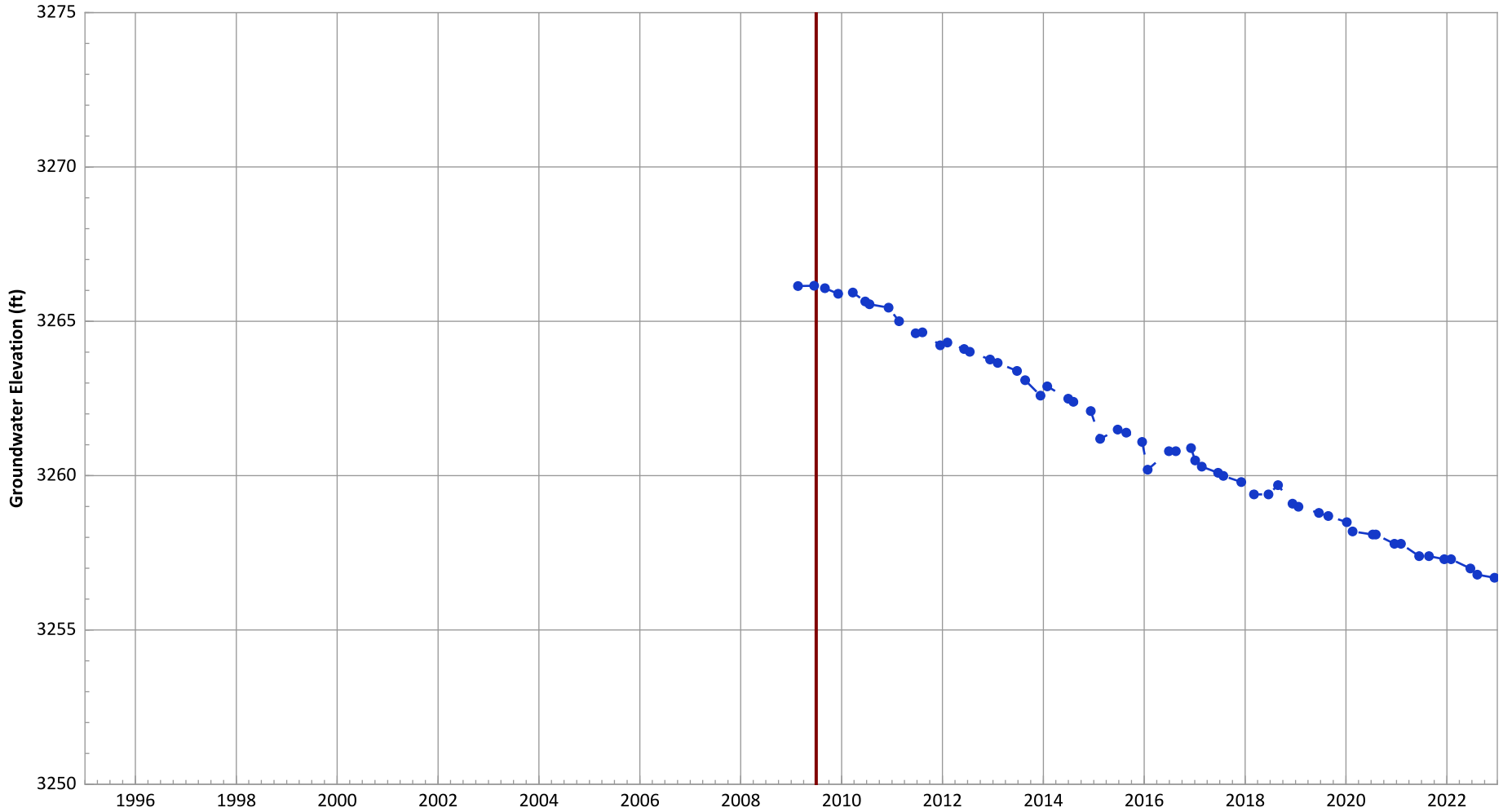
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 2.1 ft/yr  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-1146 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

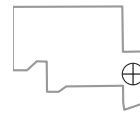


Notes:

1. Top of screen elevation is 3263.96 ft msl.
  2. The bottom of screen elevation is 3243.96 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

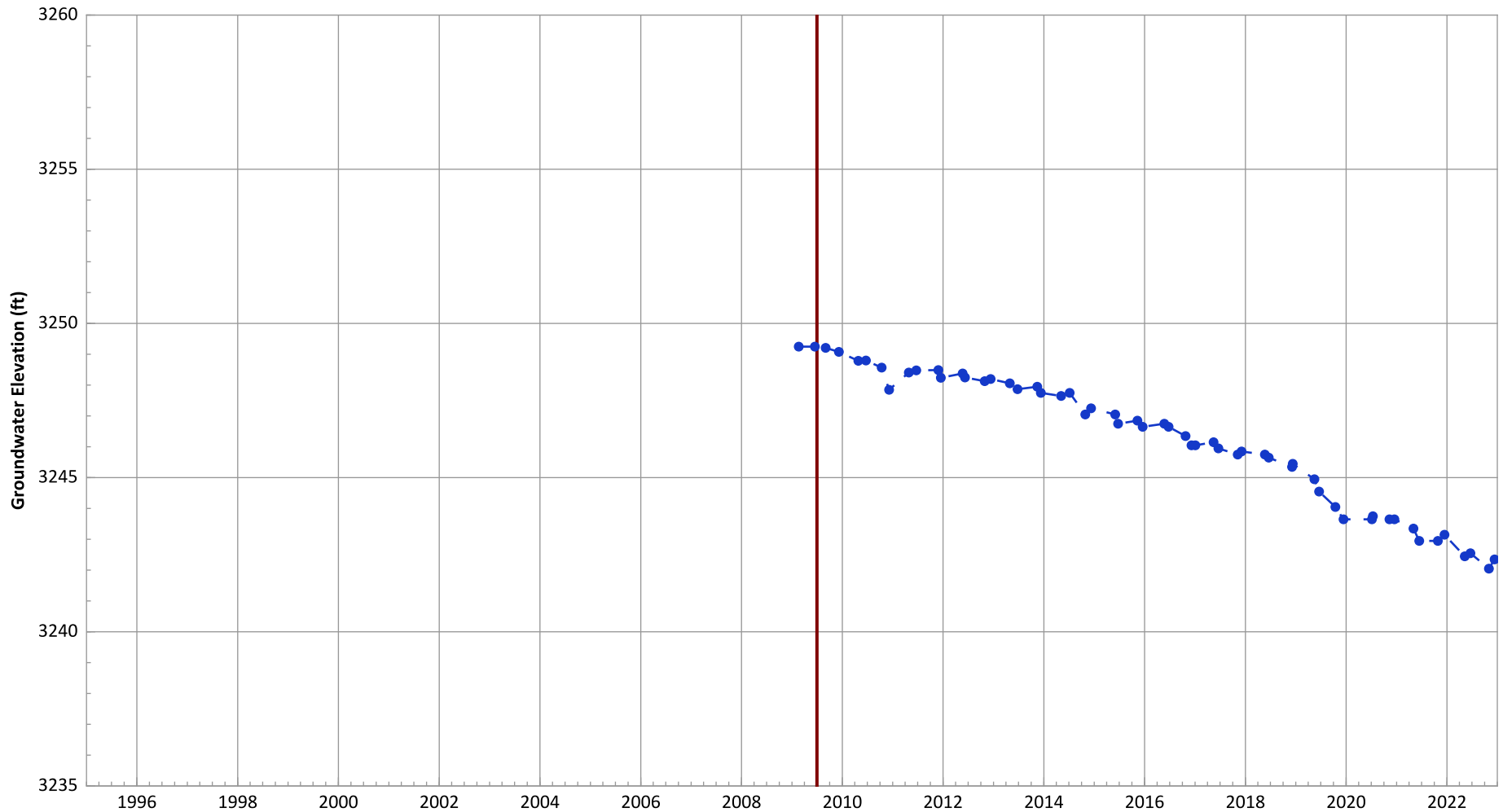


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.73 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.65 ft/yr



**PTX06-1147 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

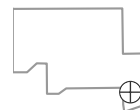


**Notes:**

1. Top of screen elevation is 3251.62 ft msl.
  2. The bottom of screen elevation is 3231.62 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

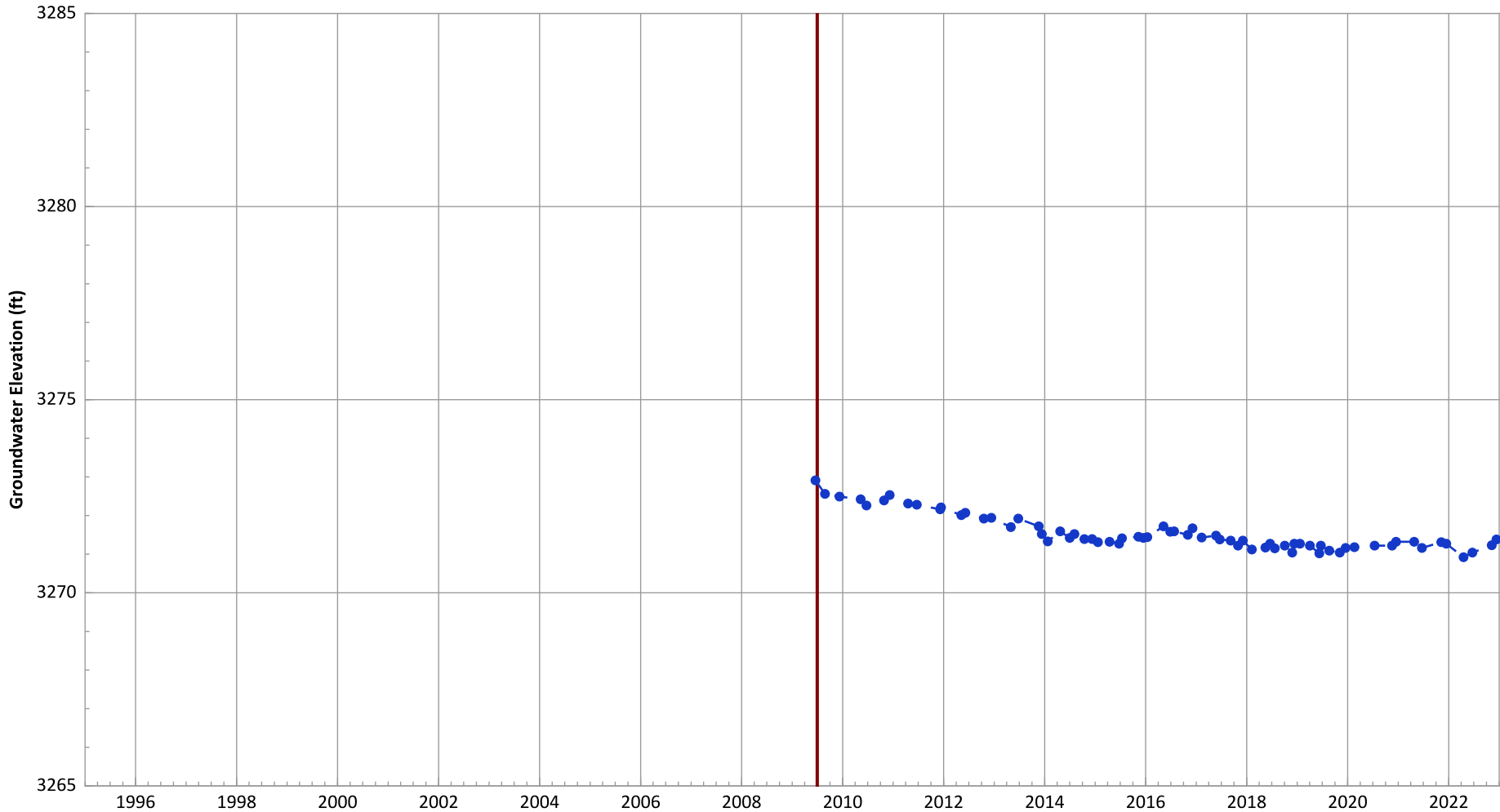
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.51 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.73 ft/yr

**PTX06-1148 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



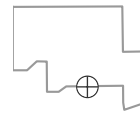
**Notes:**

1. Top of screen elevation is 3276.06 ft msl.
2. The bottom of screen elevation is 3256.06 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.11 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1149 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

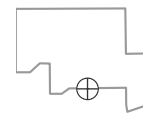


**Notes:**

1. Top of screen elevation is 3279.28 ft msl.
  2. The bottom of screen elevation is 3259.28 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

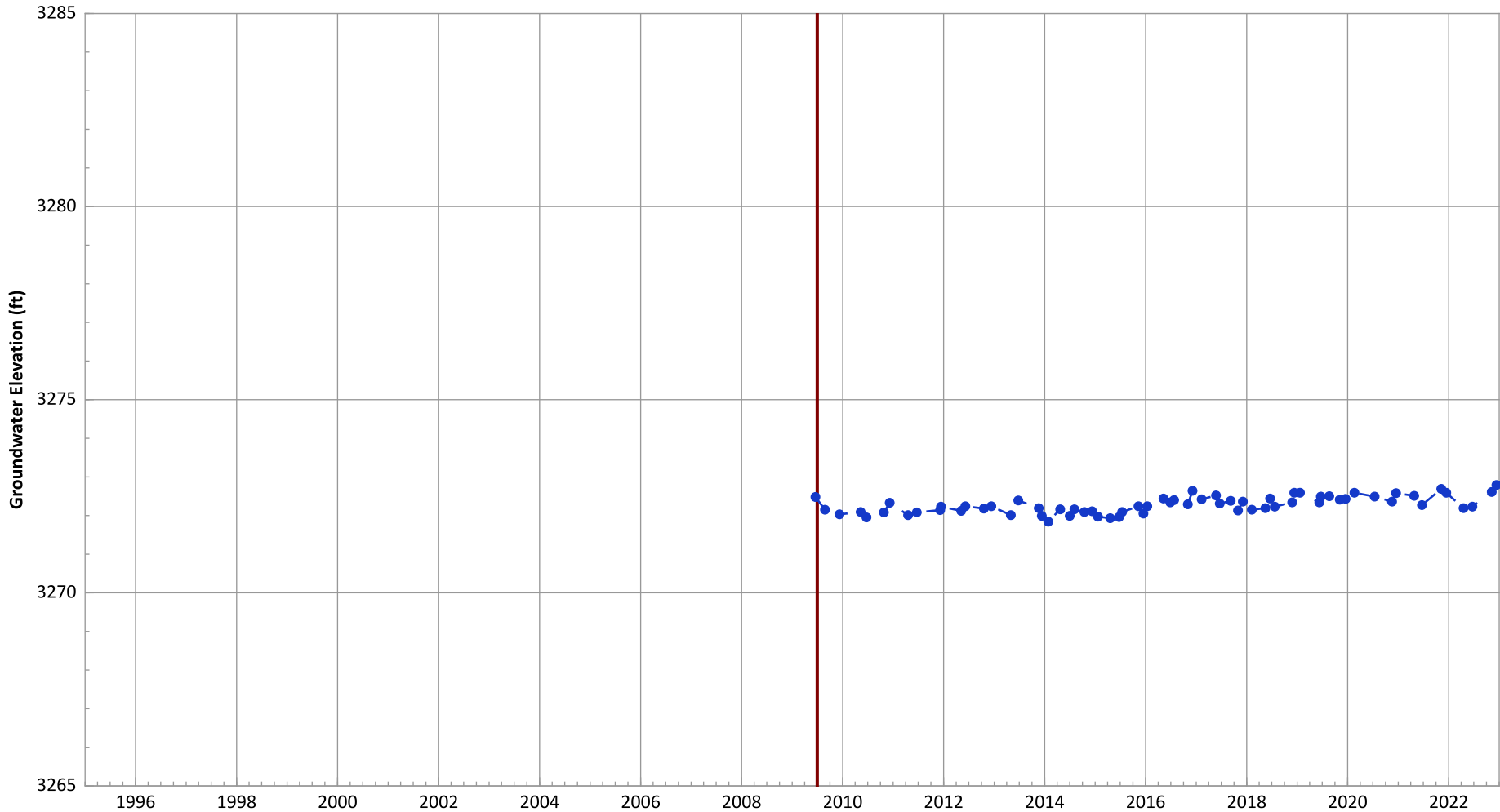
- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1150 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



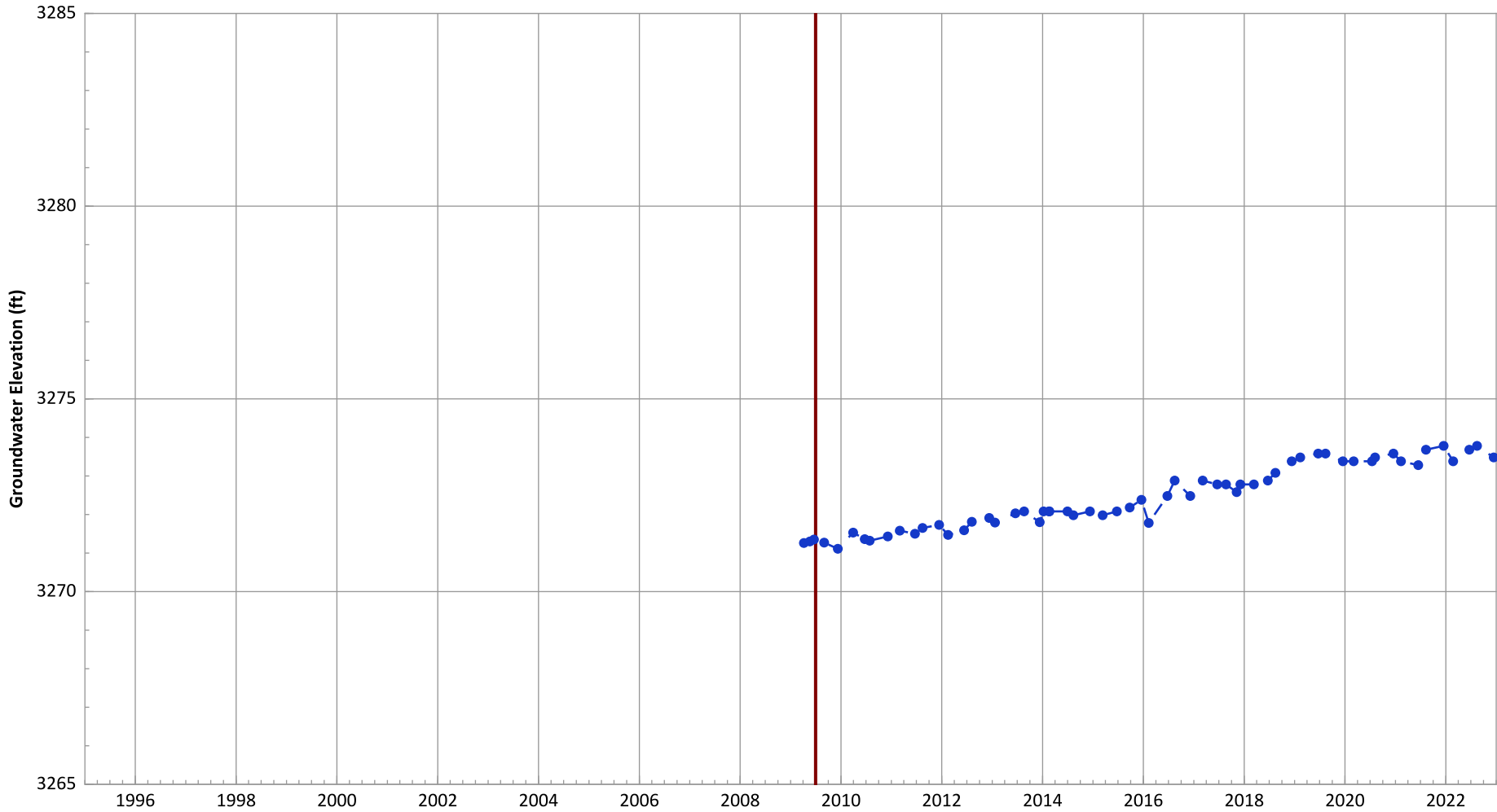
Notes:  
 1. Top of screen elevation is 3280.9 ft msl.  
 2. The bottom of screen elevation is 3260.9 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1151 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

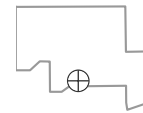


**Notes:**

1. Top of screen elevation is 3269.55 ft msl.
  2. The bottom of screen elevation is 3254.55 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

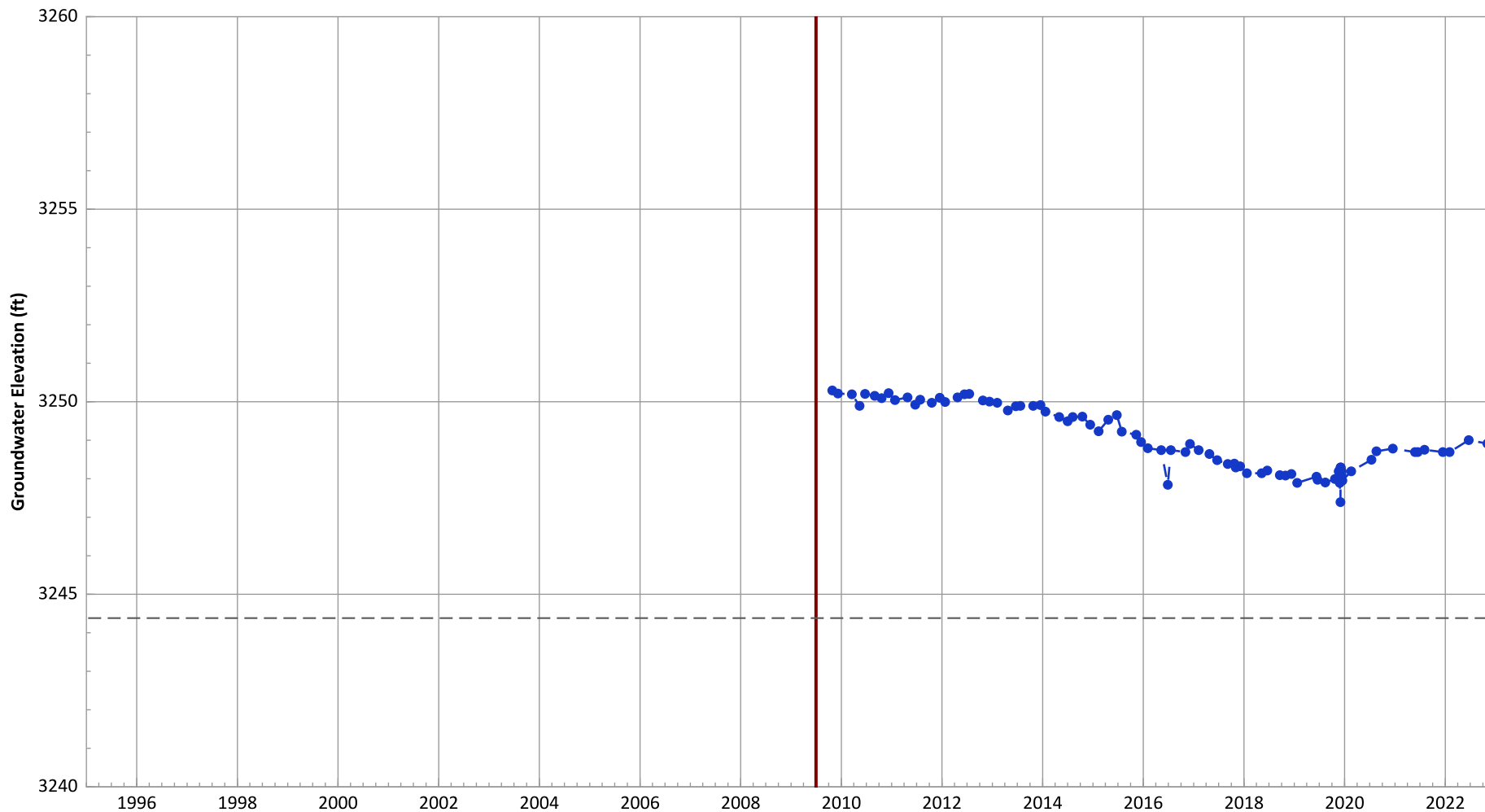
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.2 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.2 ft/yr

PTX06-1153 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

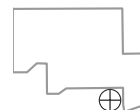


Notes:

1. Top of screen elevation is 3254.38 ft msl.
  2. The bottom of screen elevation is 3244.38 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

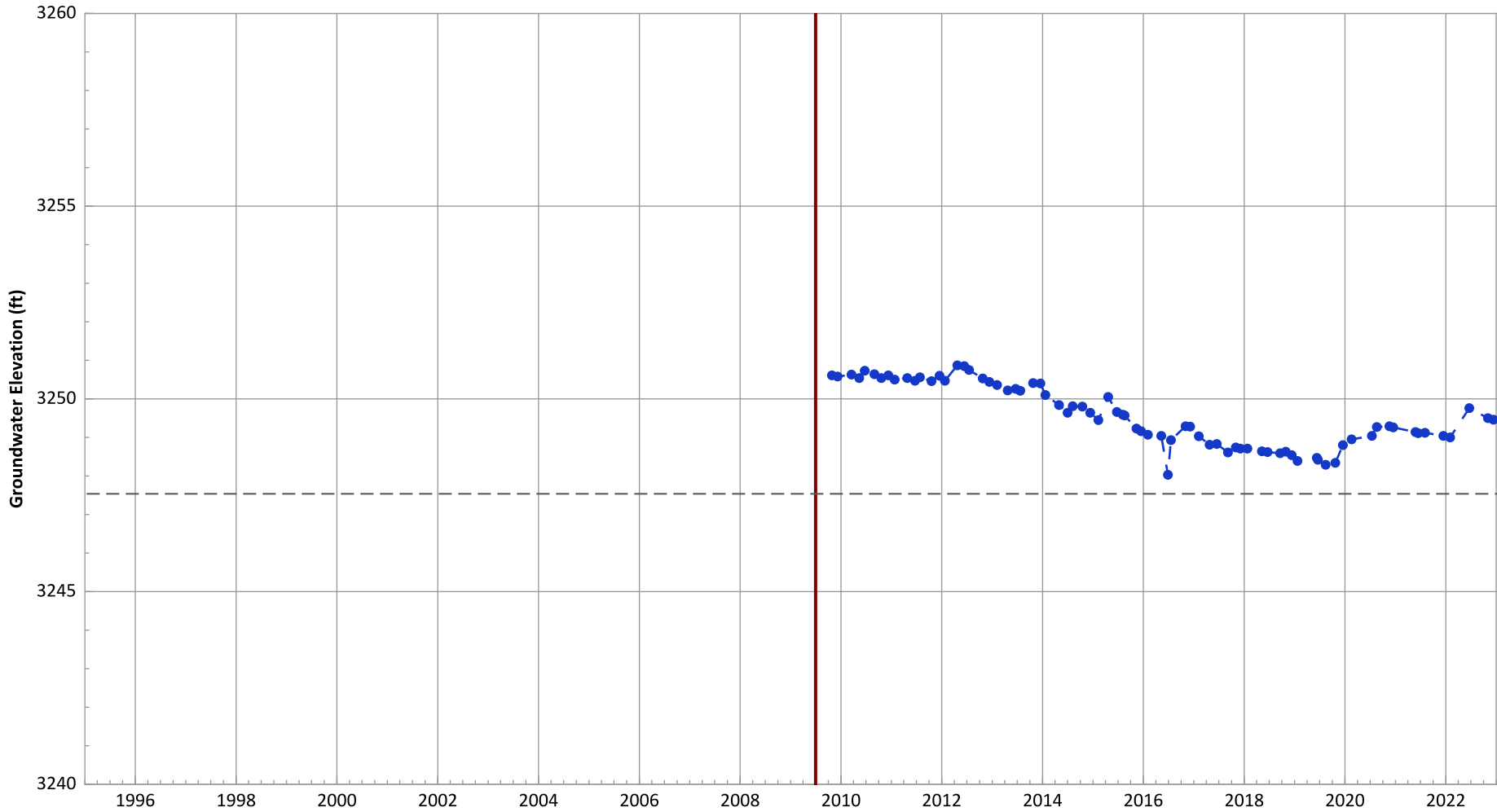
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.19 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1154 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

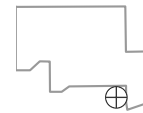


**Notes:**

1. Top of screen elevation is 3257.54 ft msl.
  2. The bottom of screen elevation is 3247.54 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

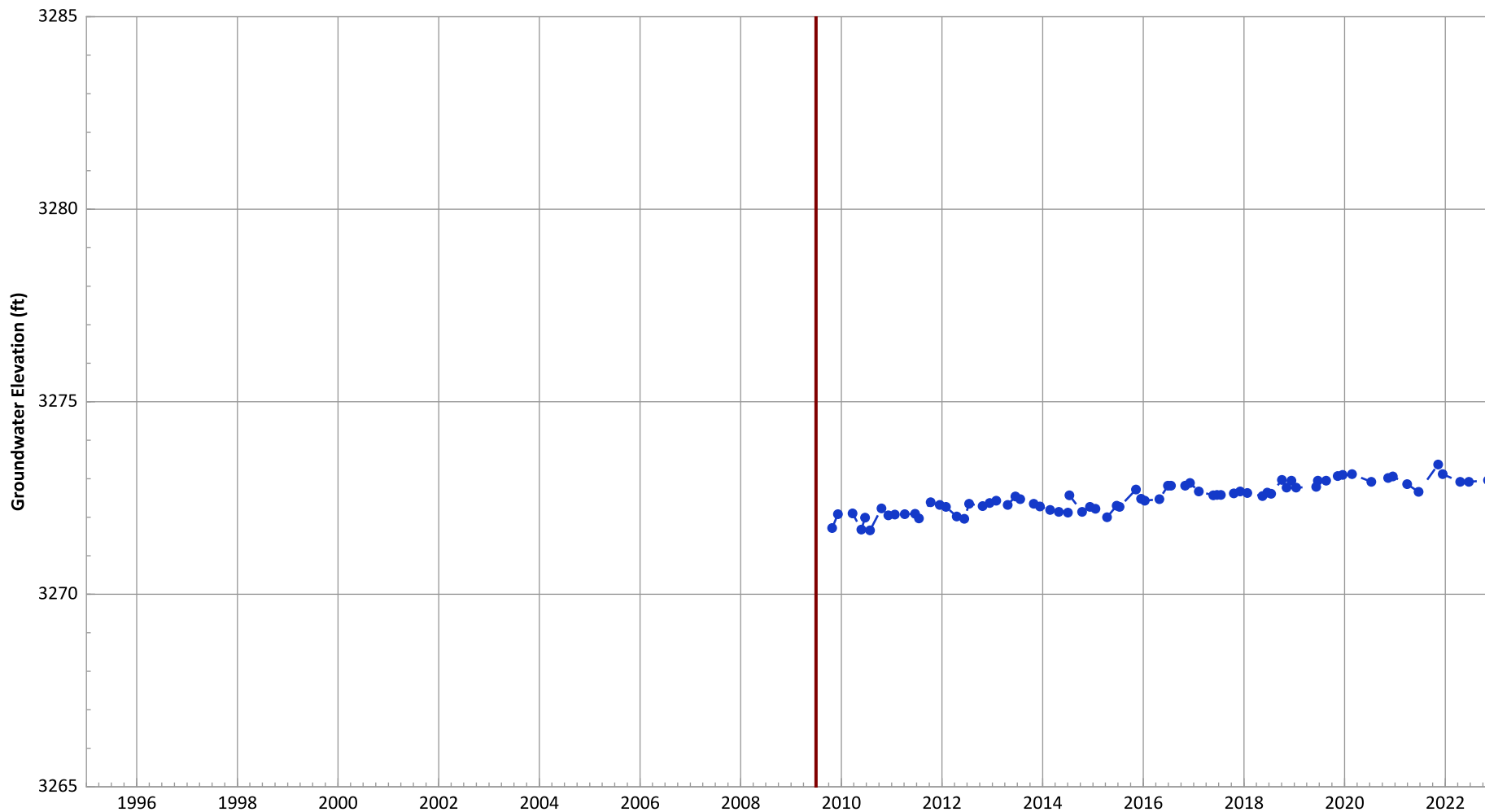
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.17 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.1 ft/yr

**PTX06-1155 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

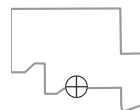


**Notes:**

1. Top of screen elevation is 3271.89 ft msl.
  2. The bottom of screen elevation is 3256.89 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**

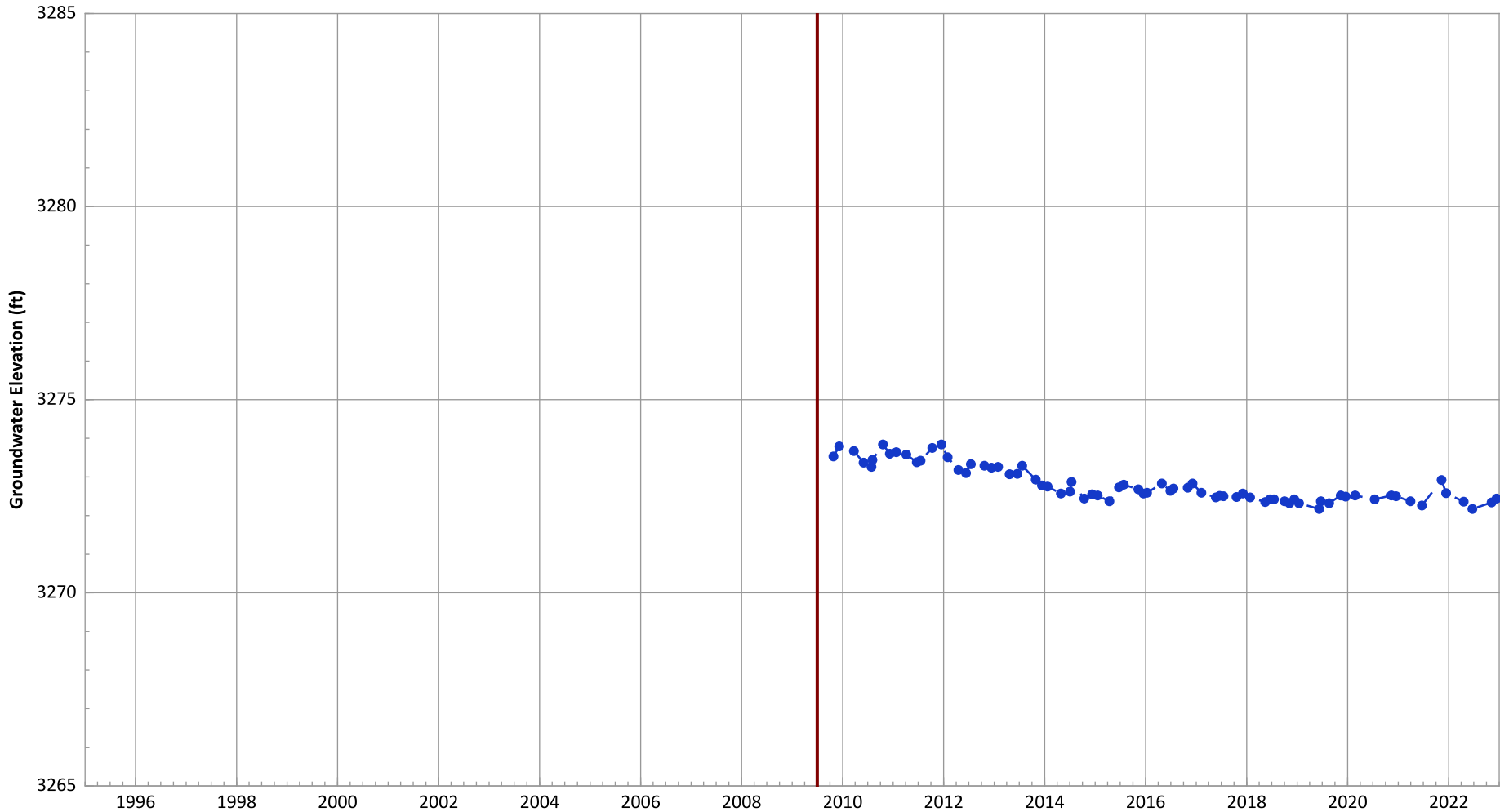


**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.12 ft/yr



PTX06-1156 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

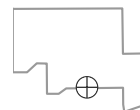


Notes:

1. Top of screen elevation is 3275.27 ft msl.
  2. The bottom of screen elevation is 3250.27 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

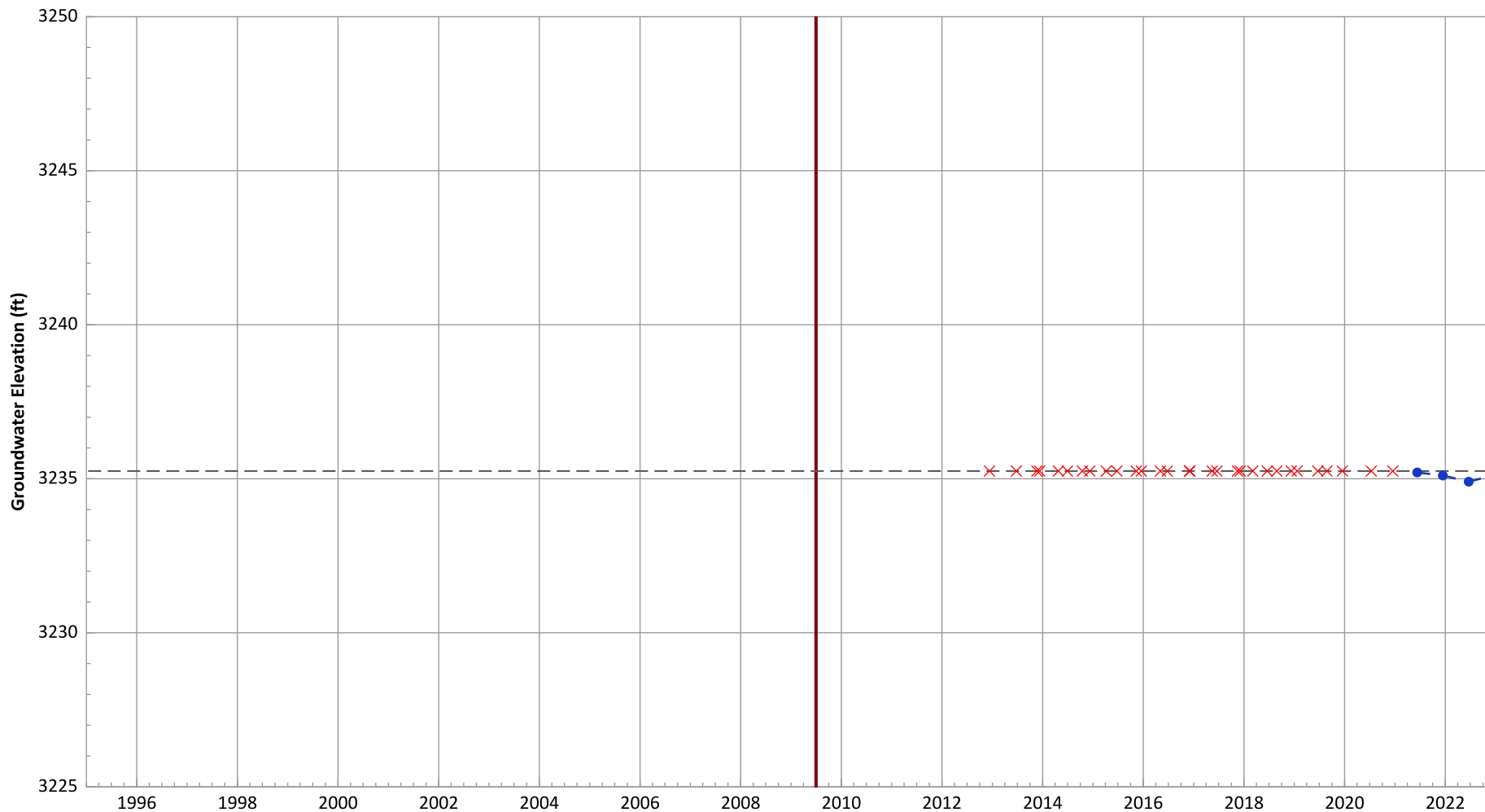
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.11 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1158 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3245.25 ft msl.
  2. The bottom of screen elevation is 3235.25 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

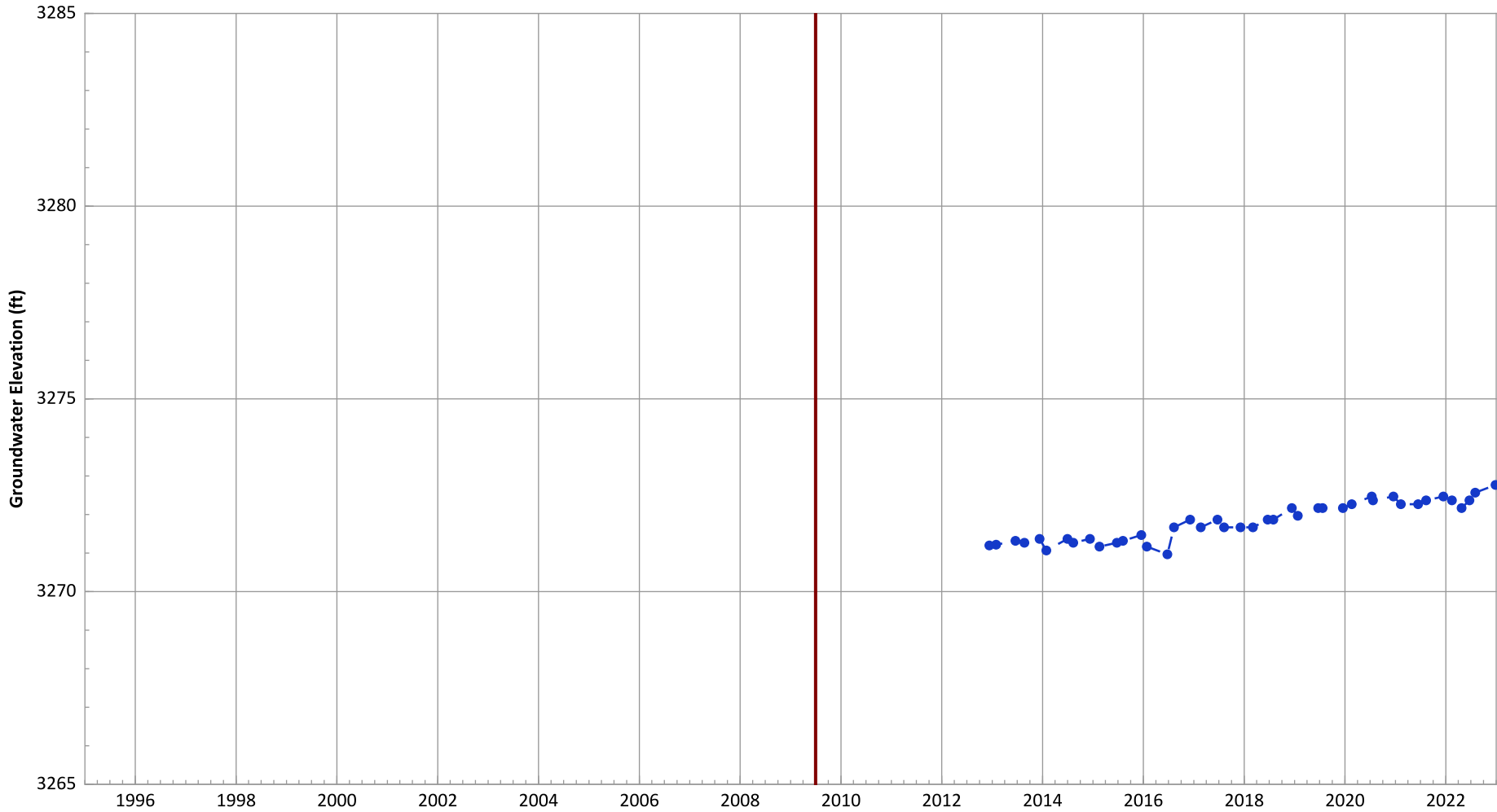
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.1 ft/yr  
 Data (1/2017 - 1/2021): N/A (<3 Measurements)

**PTX06-1159 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

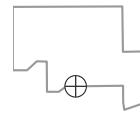


**Notes:**

1. Top of screen elevation is 3273.93 ft msl.
  2. The bottom of screen elevation is 3253.93 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

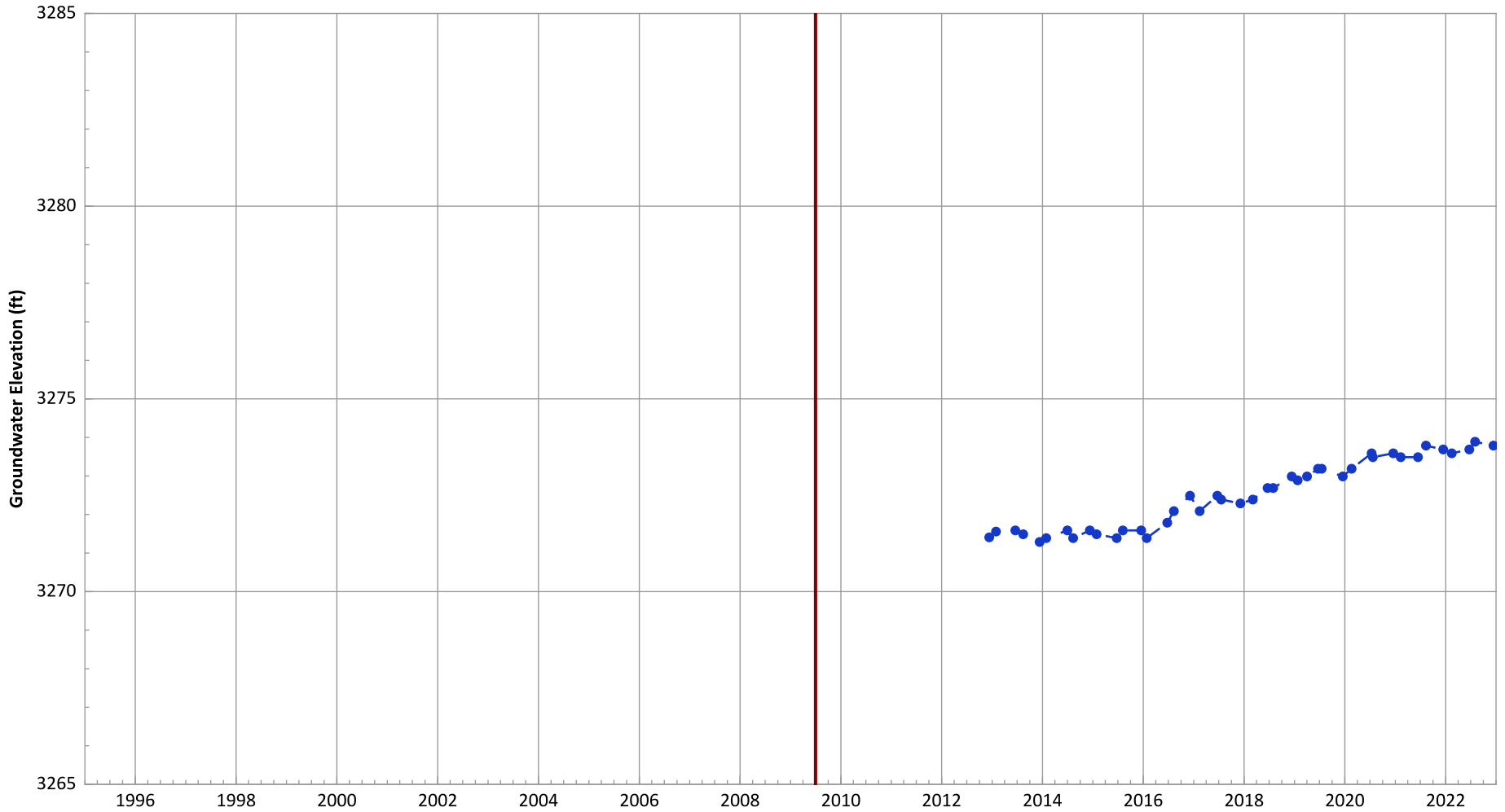
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.15 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.18 ft/yr

**PTX06-1160 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

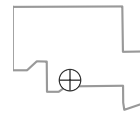


**Notes:**

1. Top of screen elevation is 3271.51 ft msl.
  2. The bottom of screen elevation is 3246.51 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

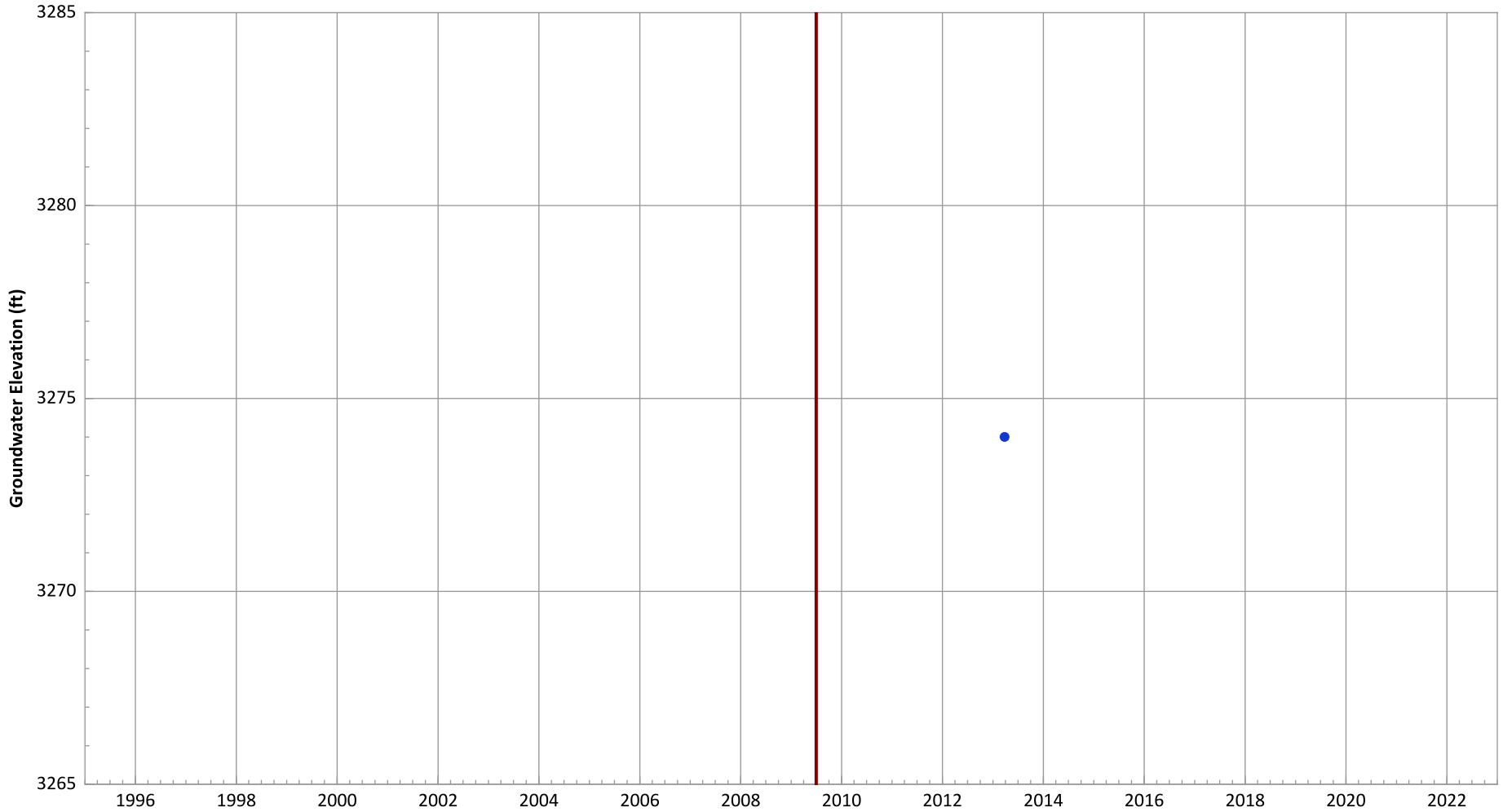
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.29 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.34 ft/yr

PTX06-1162 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



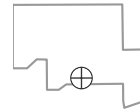
Notes:

1. Top of screen elevation is 3276.3 ft msl.
2. The bottom of screen elevation is 3256.3 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



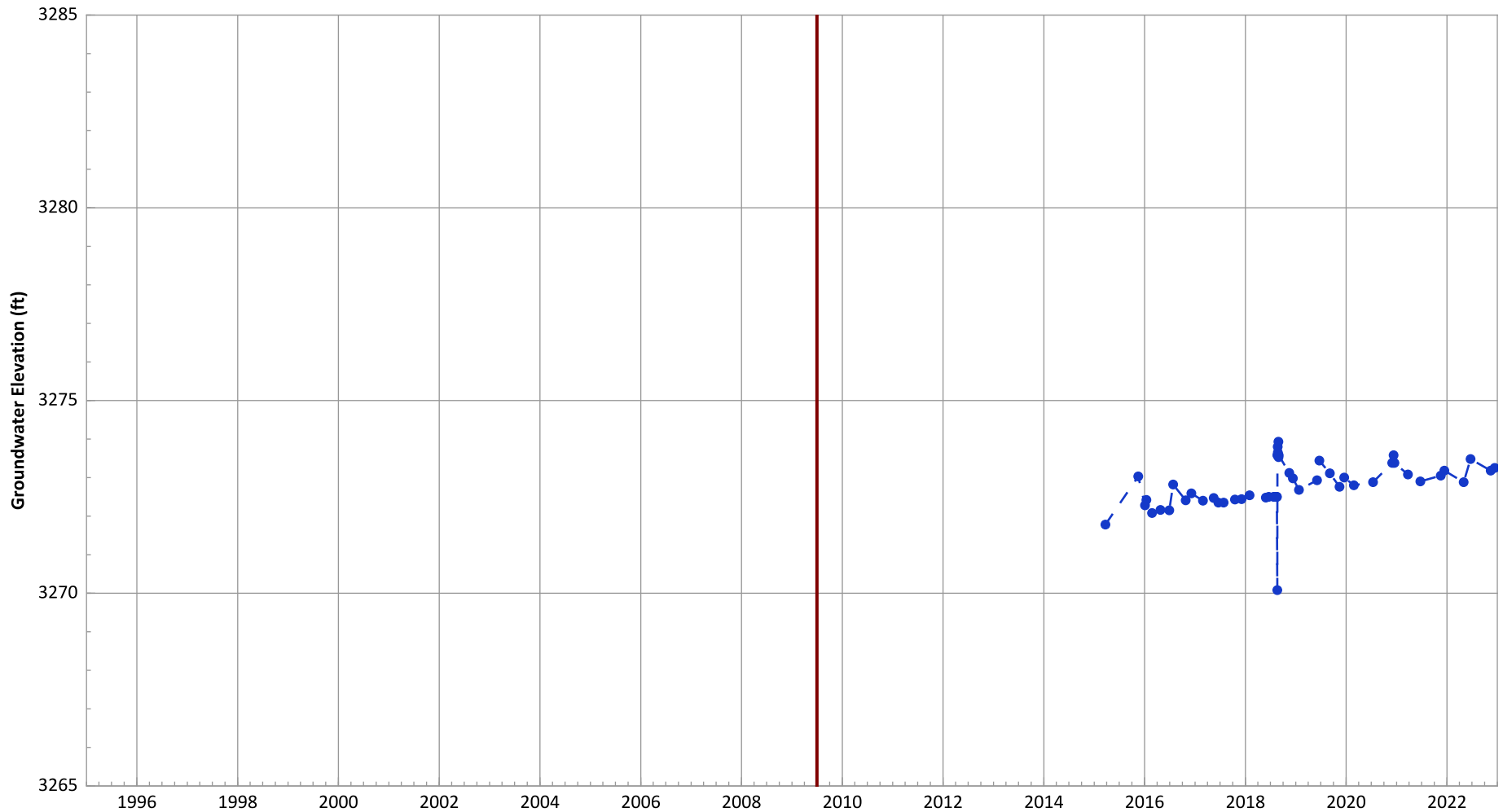
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1164 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

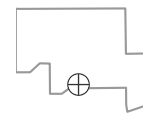


**Notes:**

1. Top of screen elevation is 3271.78 ft msl.
  2. The bottom of screen elevation is 3251.78 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

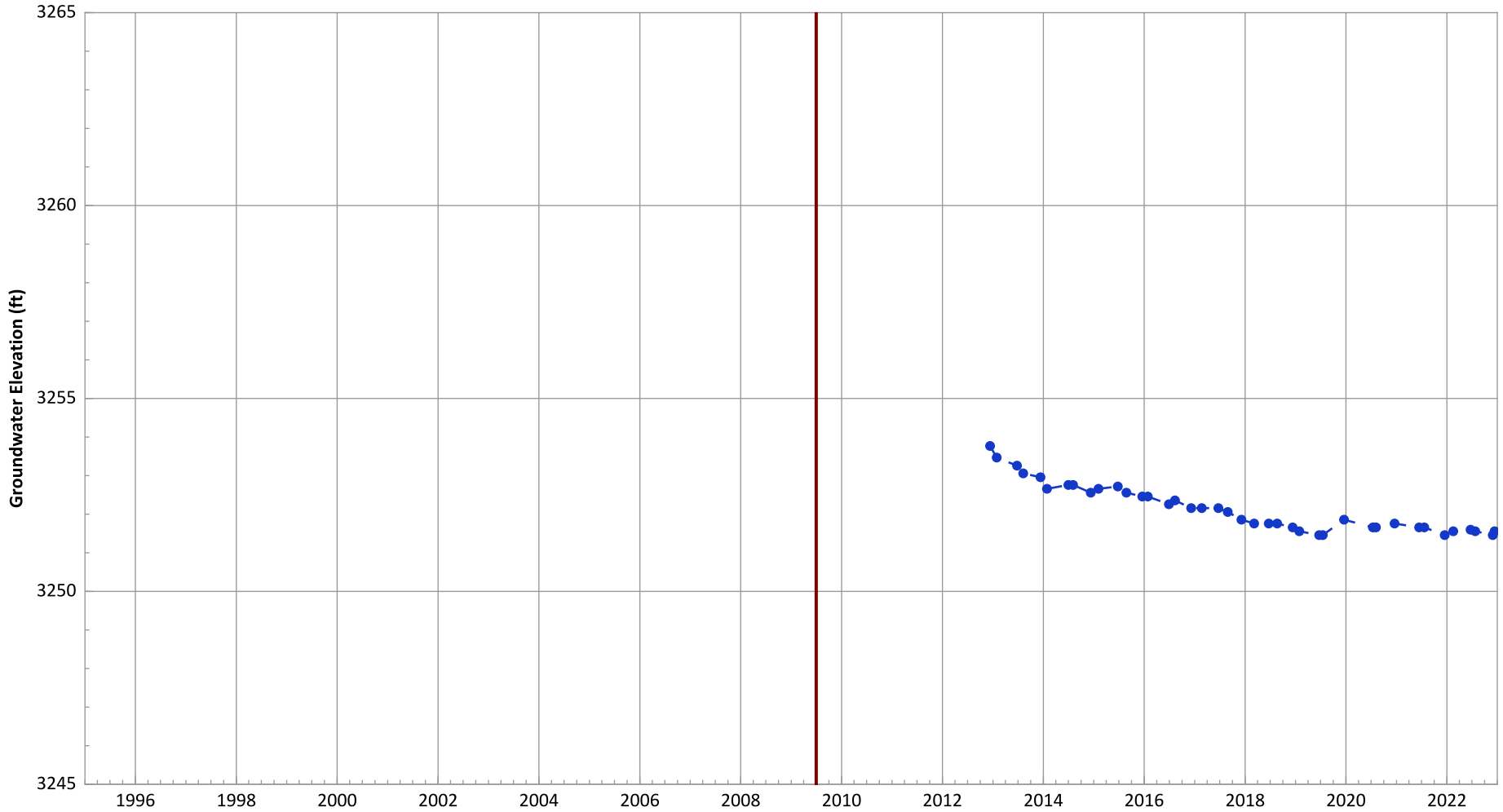
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.15 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

**PTX06-1166 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



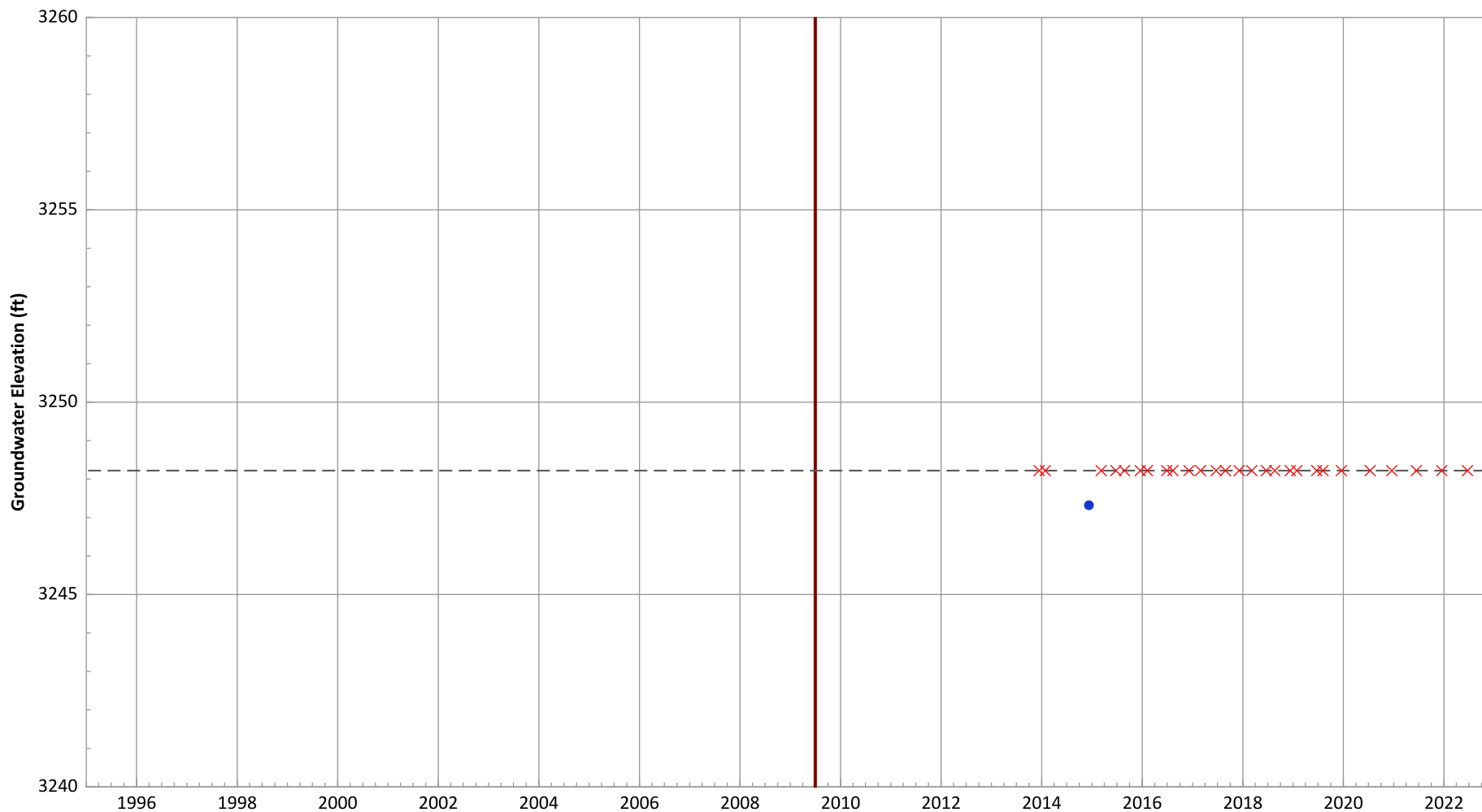
Notes:  
 1. Top of screen elevation is 3254.36 ft msl.  
 2. The bottom of screen elevation is 3244.36 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.18 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1167 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

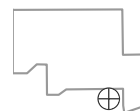


**Notes:**

1. Top of screen elevation is 3258.22 ft msl.
  2. The bottom of screen elevation is 3248.22 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

**Well Location**

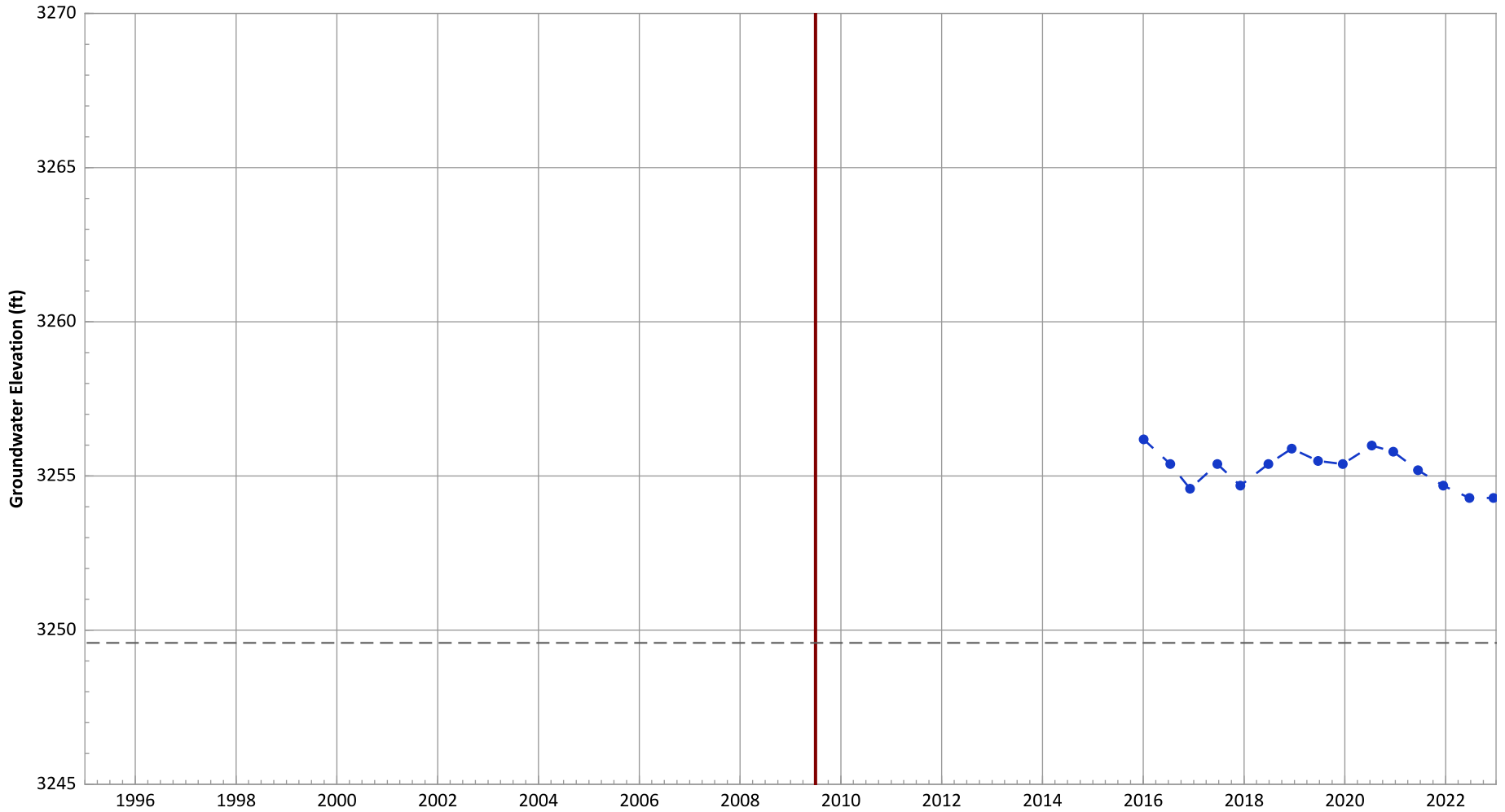


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (<3 Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)



**PTX06-1168 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

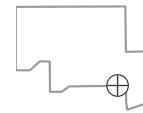


**Notes:**

1. Top of screen elevation is 3269.59 ft msl.
  2. The bottom of screen elevation is 3249.59 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

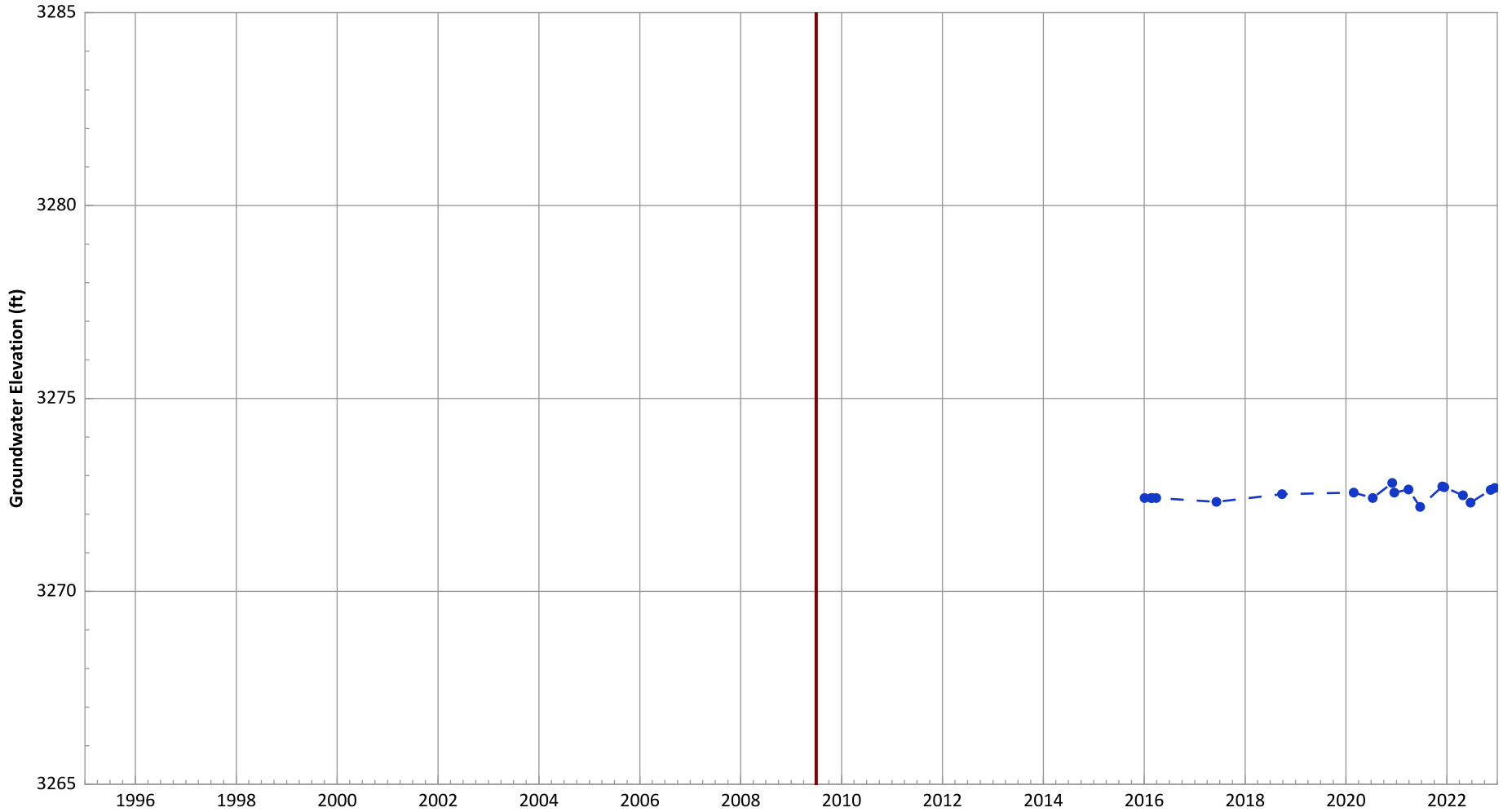
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.11 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX06-1169 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

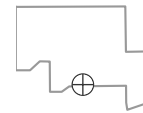


**Notes:**

1. Top of screen elevation is 3265.57 ft msl.
  2. The bottom of screen elevation is 3255.57 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

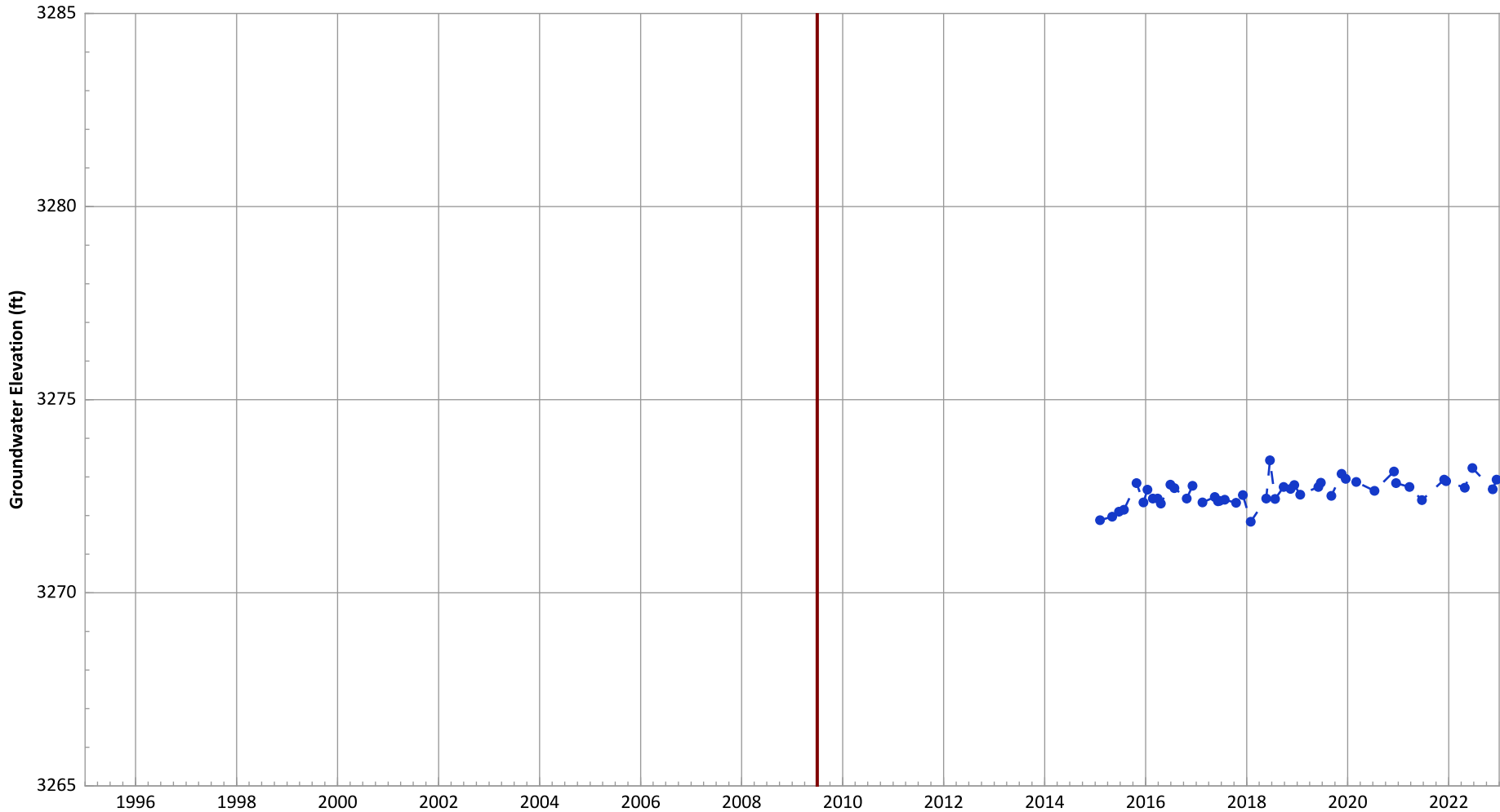
—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-1170 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



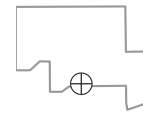
Notes:

- 1. Top of screen elevation is 3265.59 ft msl.
- 2. The bottom of screen elevation is 3255.59 ft msl.
- 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



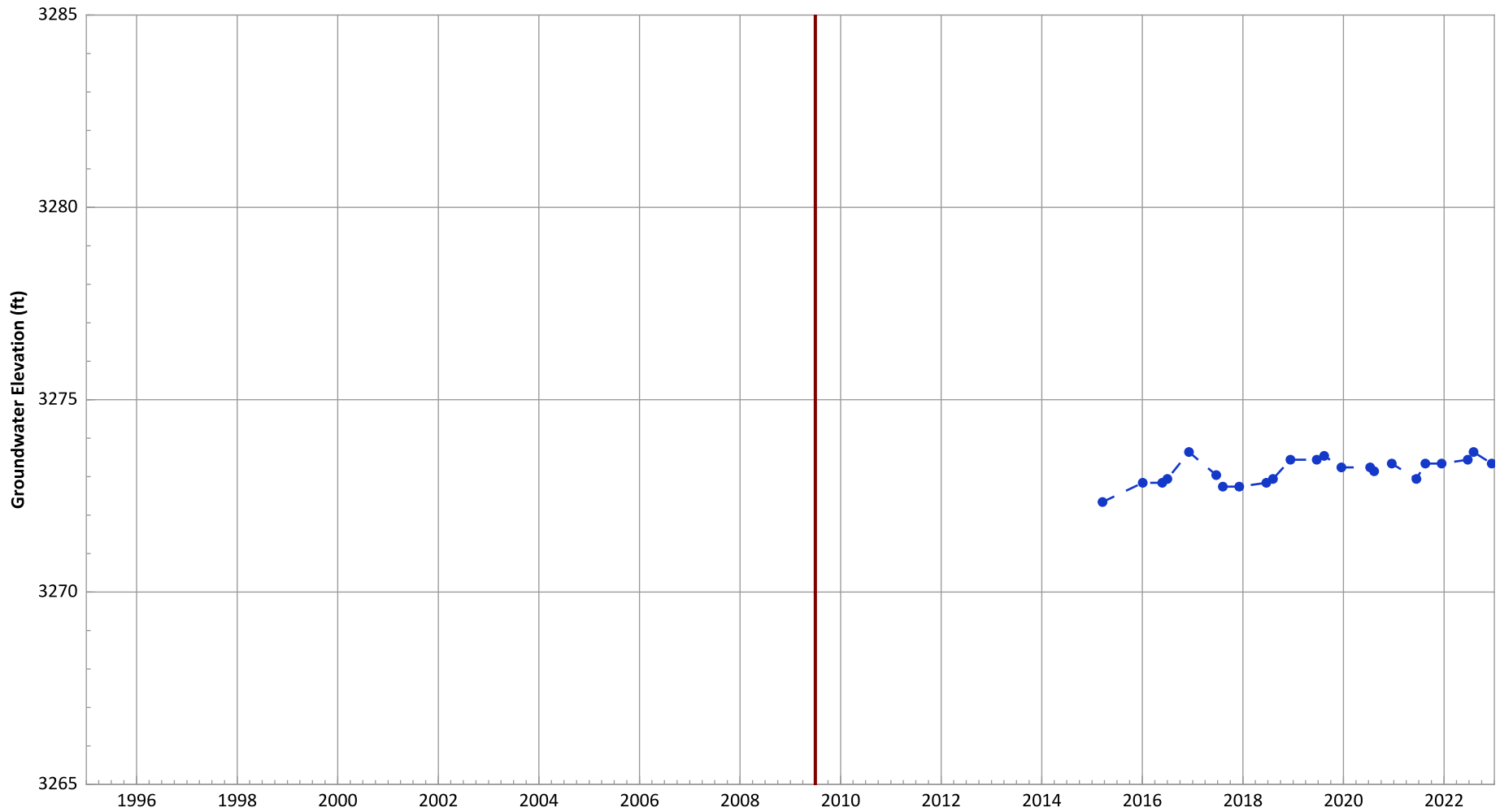
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: No Trend

Data (1/2017 - 1/2021): Increasing at 0.11 ft/yr

**PTX06-1171 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

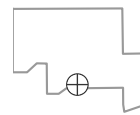


**Notes:**

1. Top of screen elevation is 3267.42 ft msl.
  2. The bottom of screen elevation is 3257.42 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

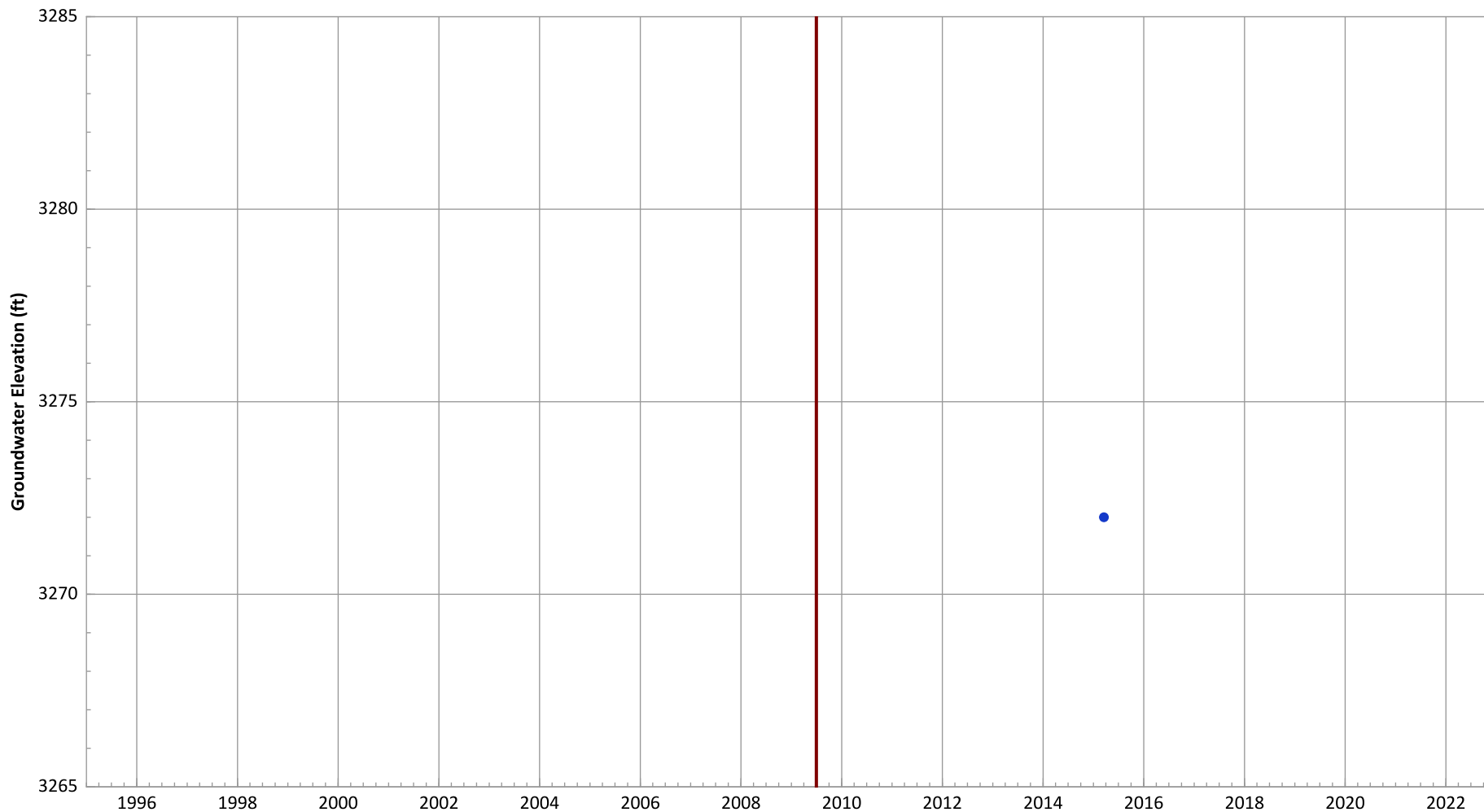
—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-1172 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

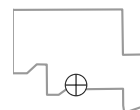


Notes:

1. Top of screen elevation is 3267.32 ft msl.
  2. The bottom of screen elevation is 3257.32 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

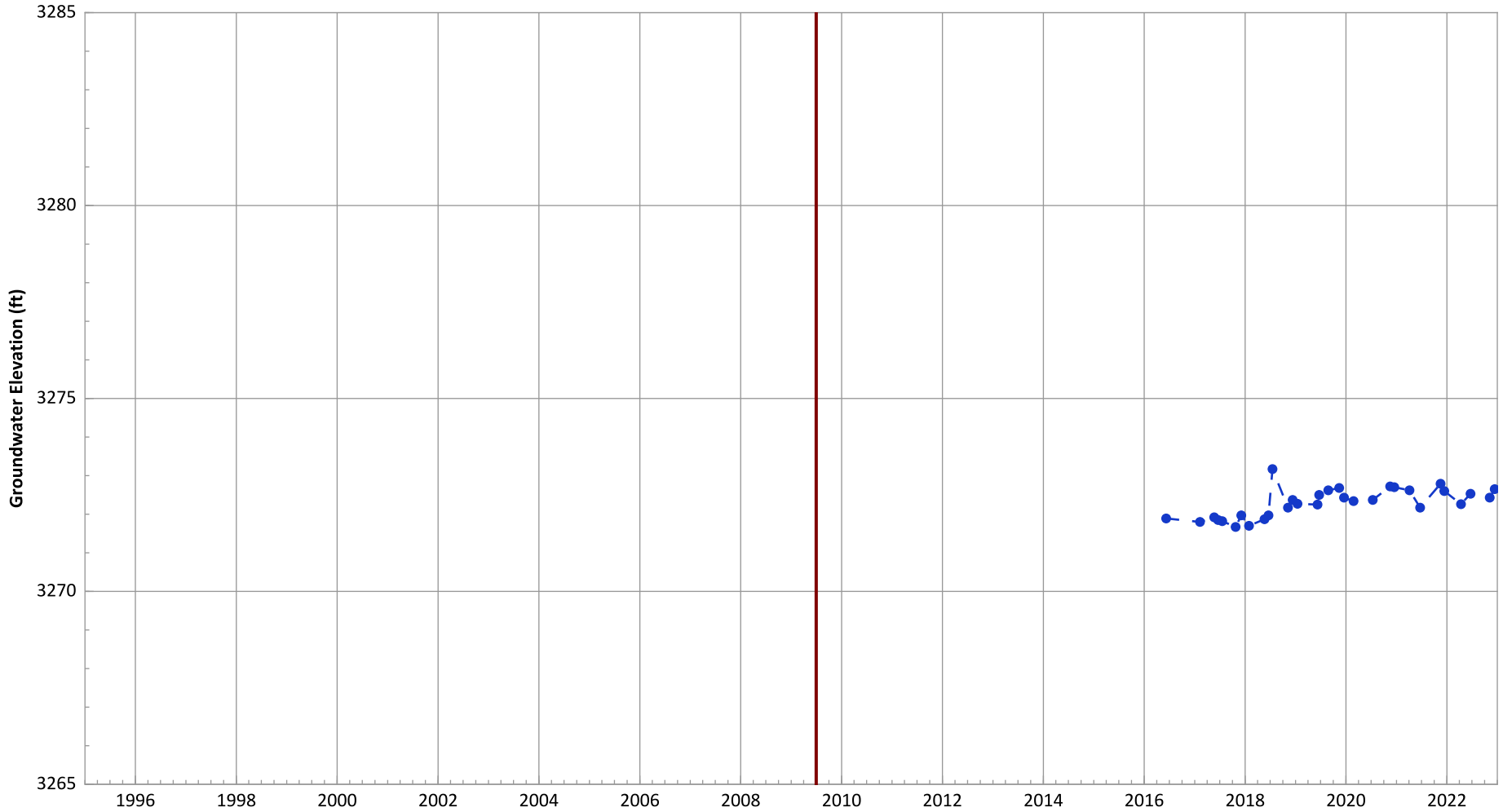
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1173 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

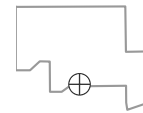


**Notes:**

1. Top of screen elevation is 3265.86 ft msl.
  2. The bottom of screen elevation is 3255.86 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

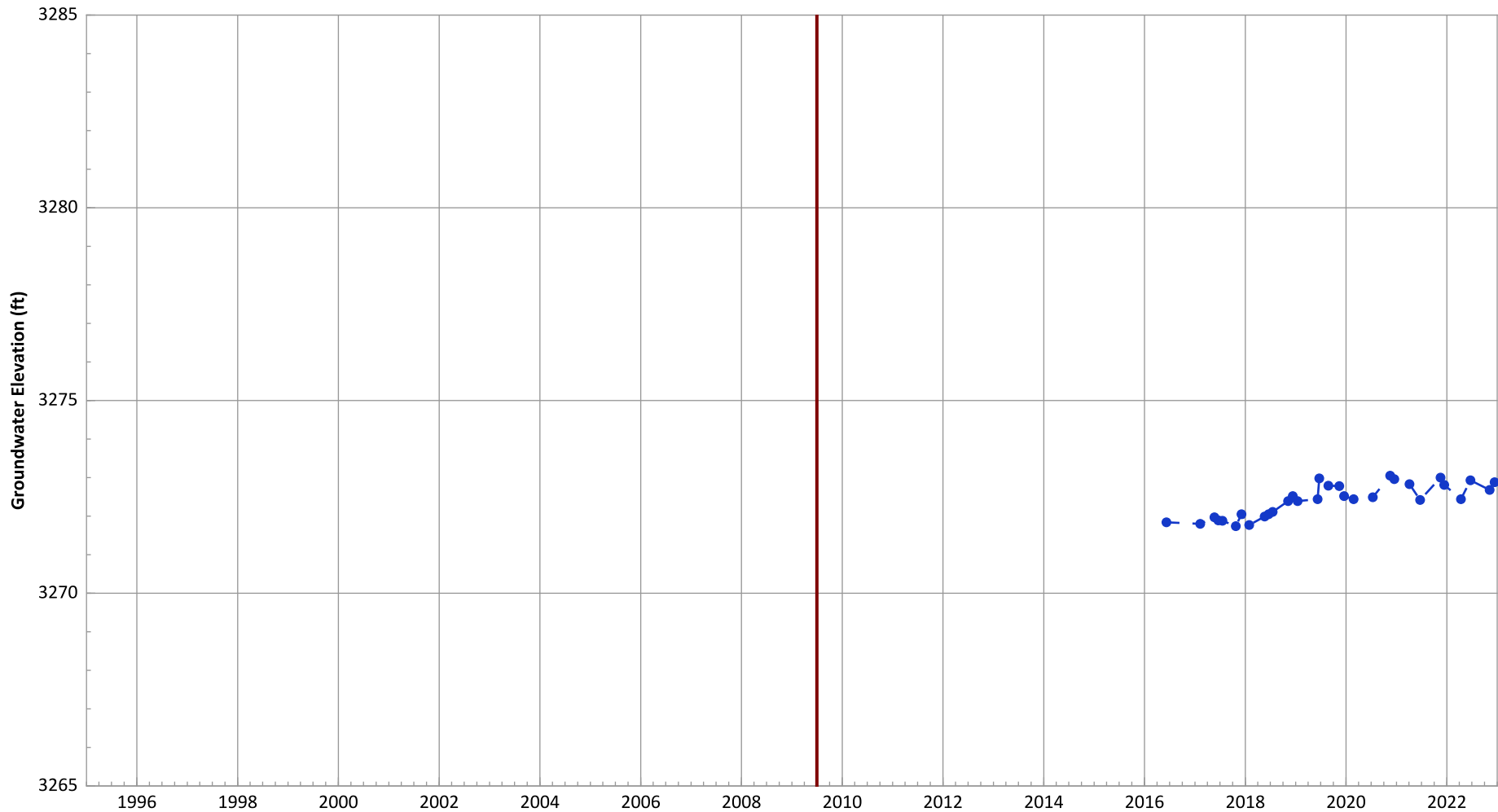
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Increasing at 0.13 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.19 ft/yr

PTX06-1174 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

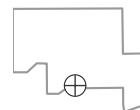


Notes:

1. Top of screen elevation is 3266.12 ft msl.
  2. The bottom of screen elevation is 3256.12 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

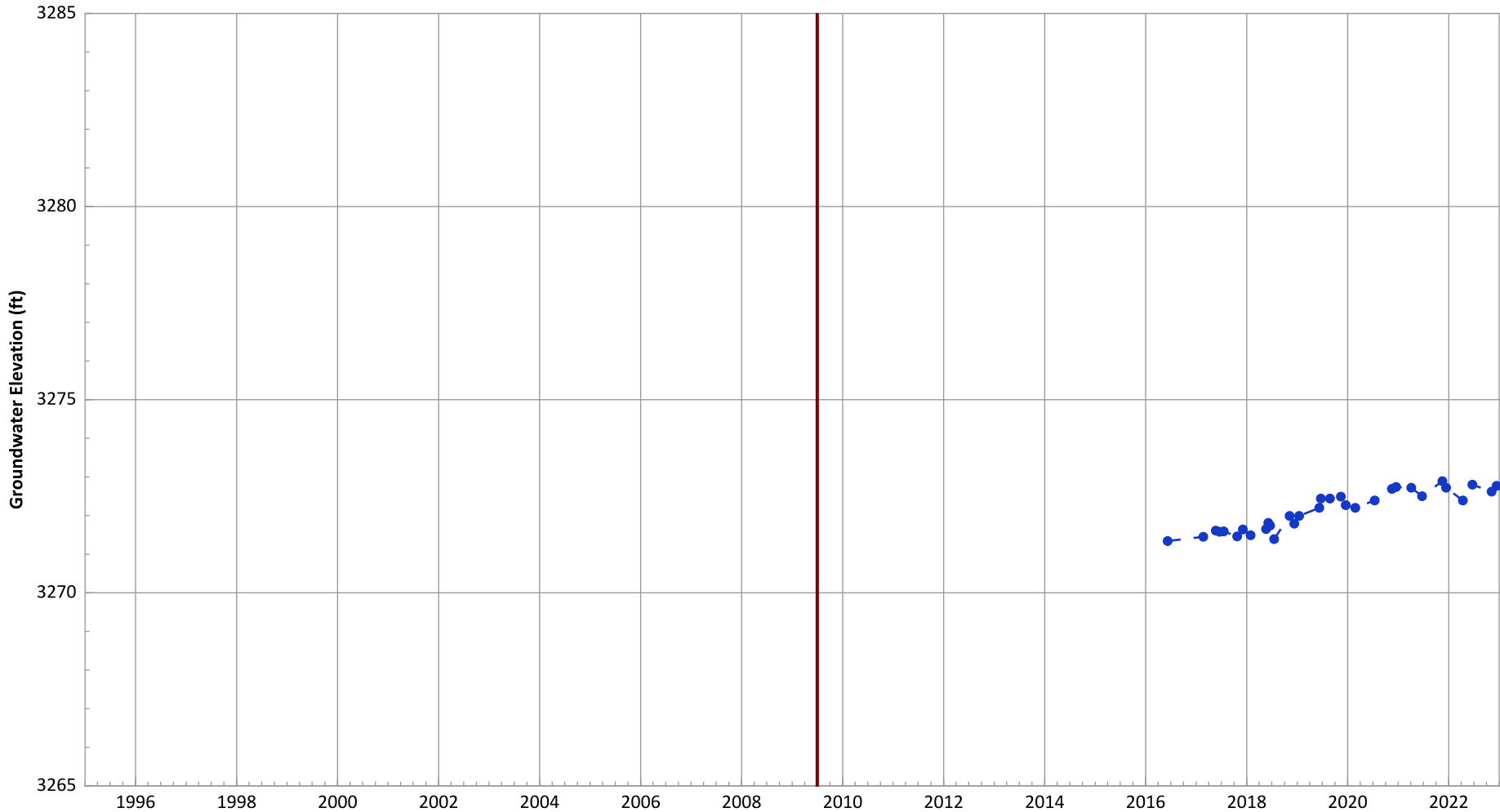
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.19 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.25 ft/yr

**PTX06-1175 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

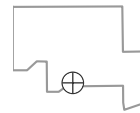


**Notes:**

1. Top of screen elevation is 3268.15 ft msl.
  2. The bottom of screen elevation is 3258.15 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**

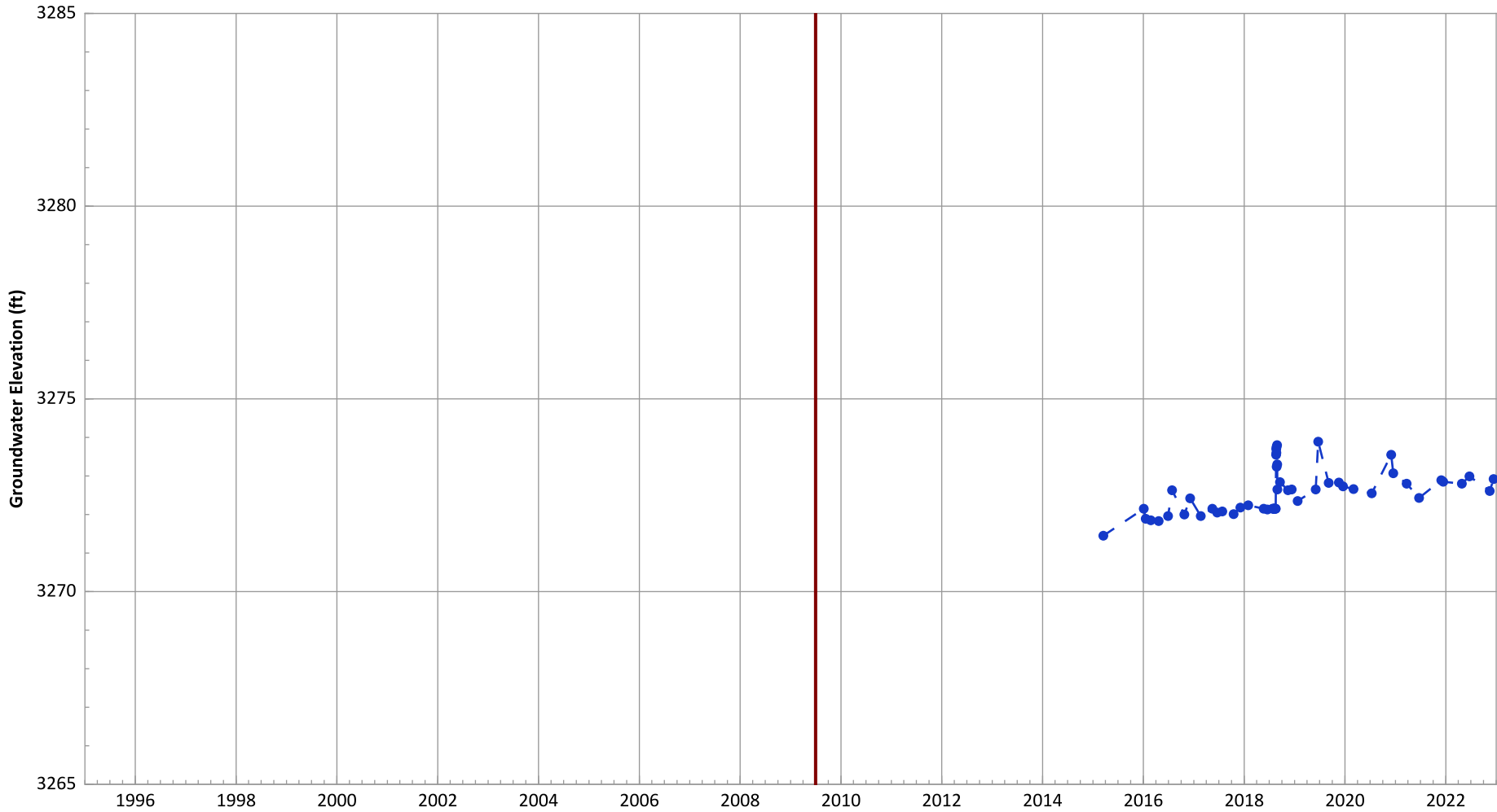


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.25 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.31 ft/yr



PTX06-1176 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

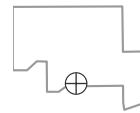


Notes:

1. Top of screen elevation is 3264.94 ft msl.
  2. The bottom of screen elevation is 3254.94 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

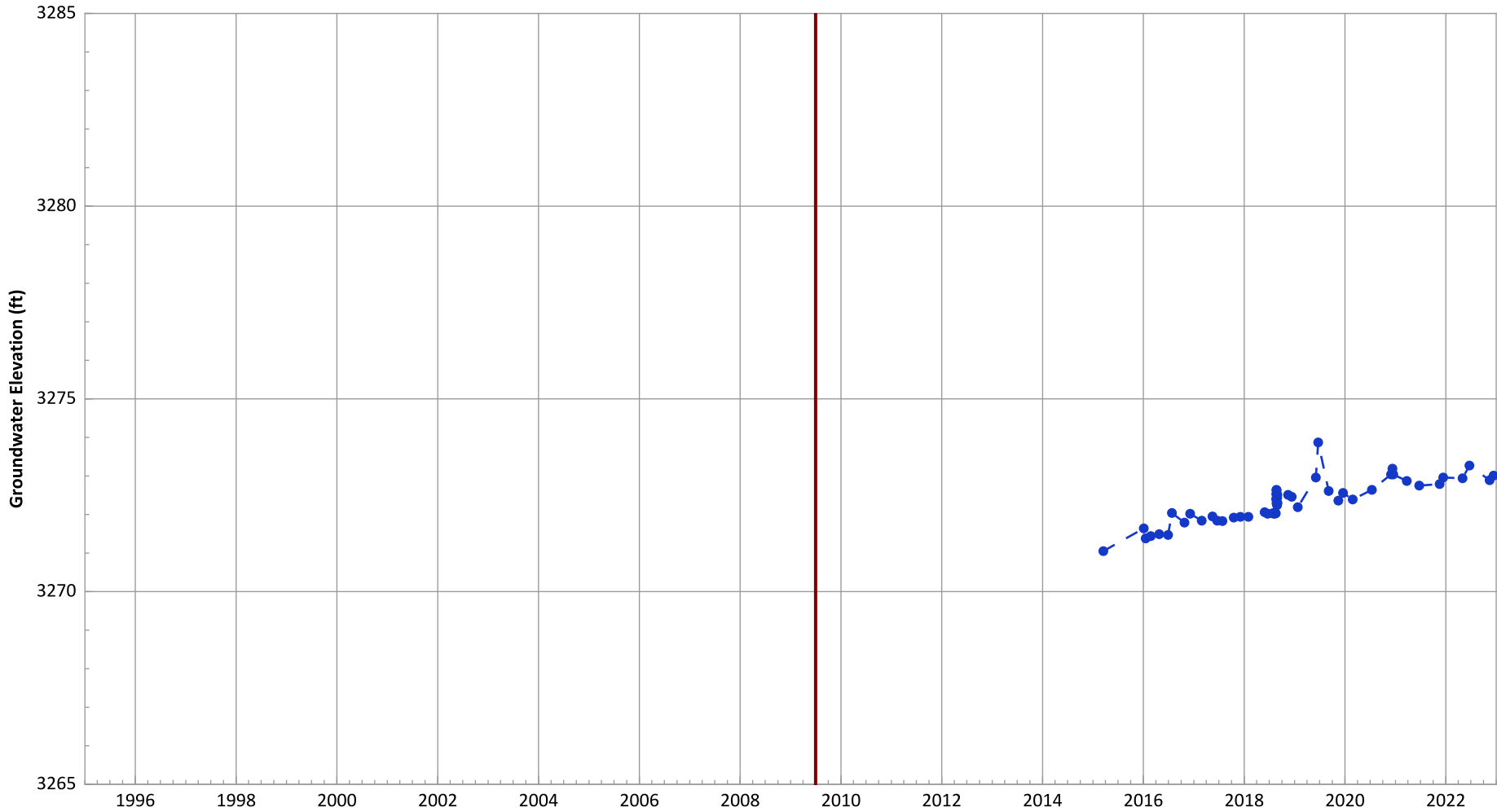
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.16 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.16 ft/yr

**PTX06-1177 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

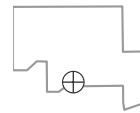


**Notes:**

1. Top of screen elevation is 3270.69 ft msl.
  2. The bottom of screen elevation is 3260.69 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

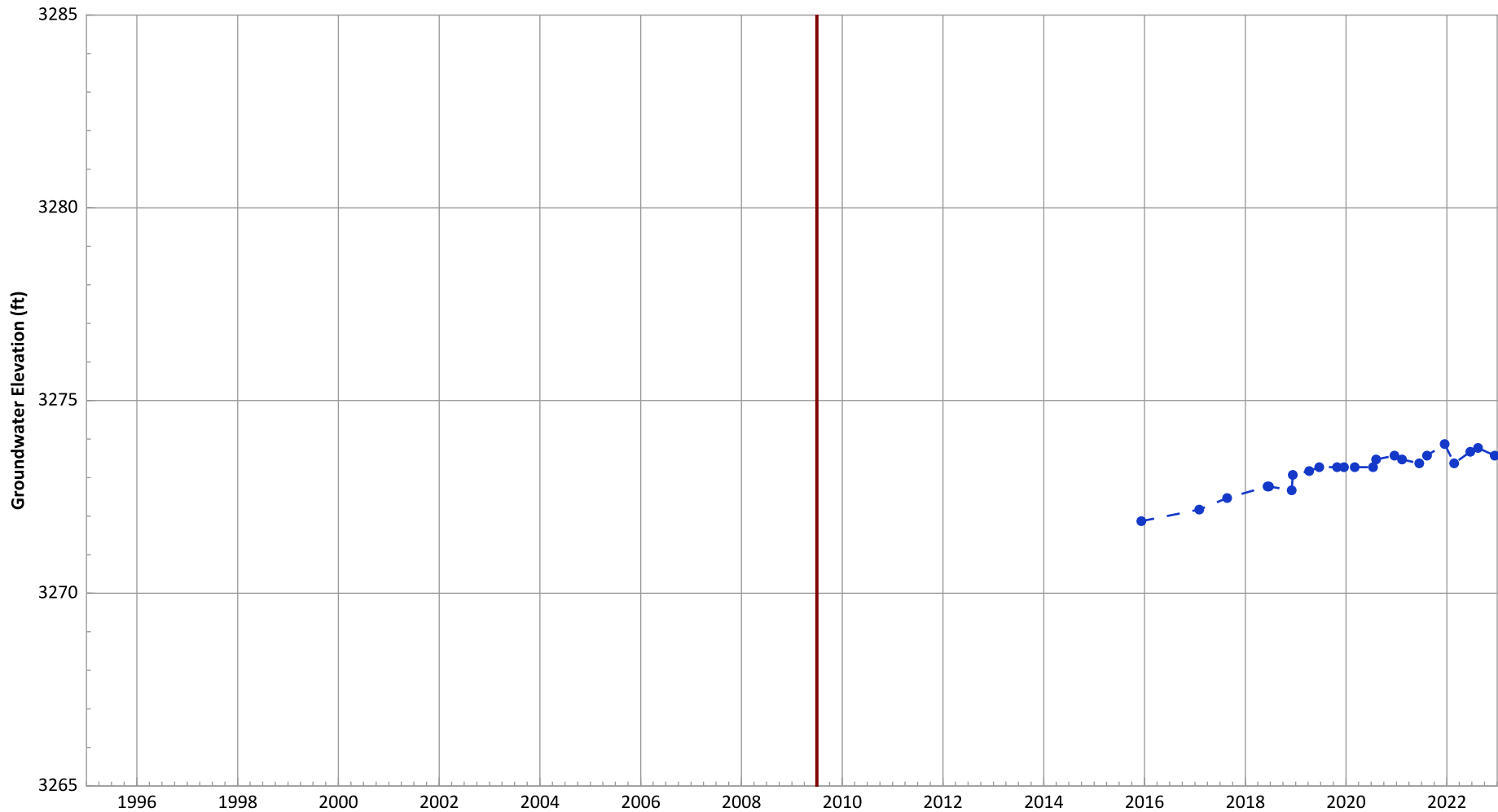
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.25 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.27 ft/yr

**PTX06-1180 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

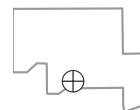


**Notes:**

1. Top of screen elevation is 3268.29 ft msl.
  2. The bottom of screen elevation is 3258.29 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

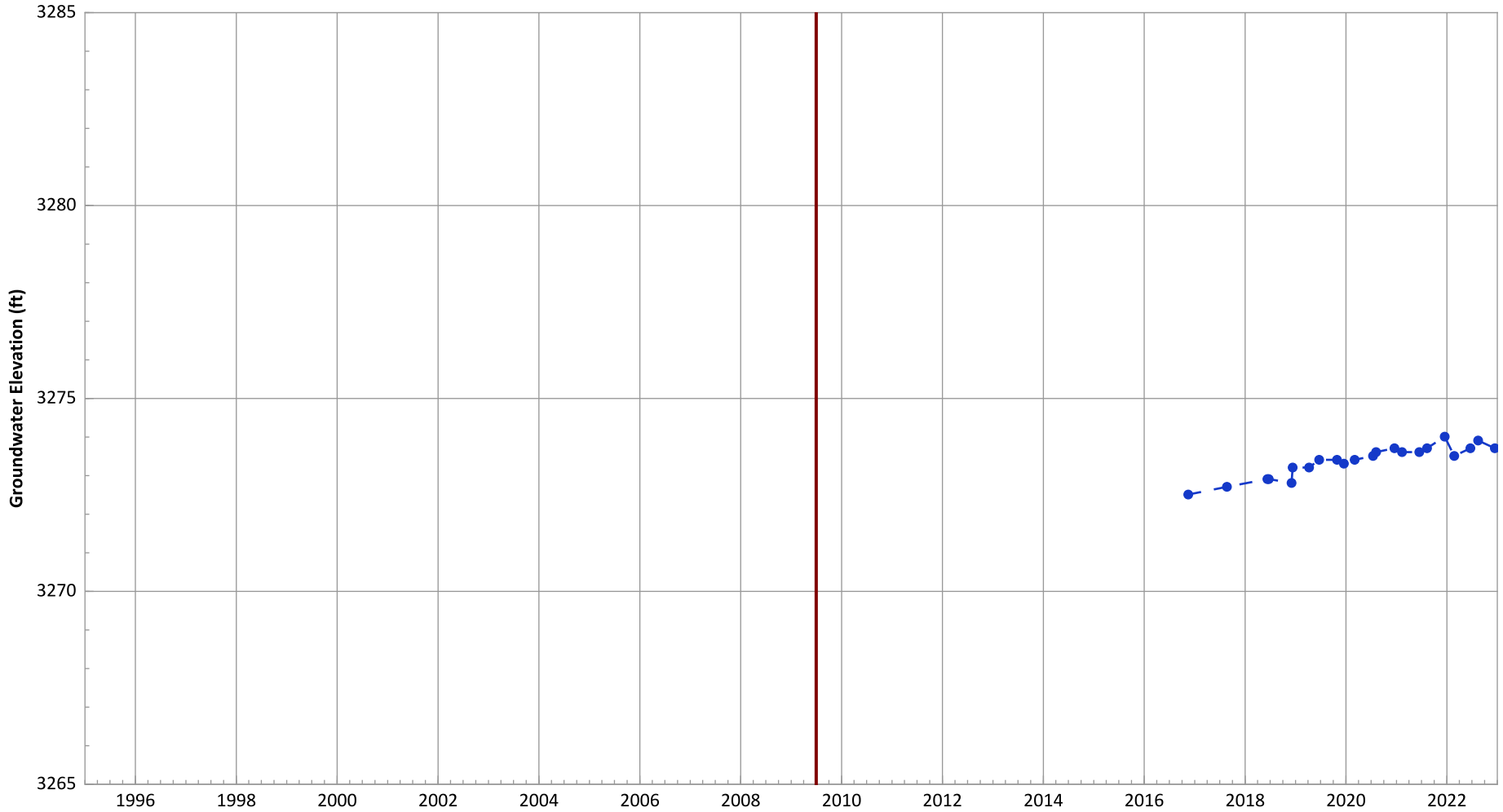
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.25 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.29 ft/yr

**PTX06-1181 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



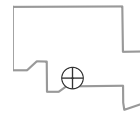
**Notes:**

1. Top of screen elevation is 3280.54 ft msl.
2. The bottom of screen elevation is 3250.54 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)

All Data: Increasing at 0.22 ft/yr

Data (1/2017 - 1/2021): Increasing at 0.27 ft/yr

**PTX06-1182 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

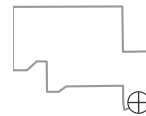


**Notes:**

1. Top of screen elevation is 3243.3 ft msl.
  2. The bottom of screen elevation is 3233.3 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1183 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



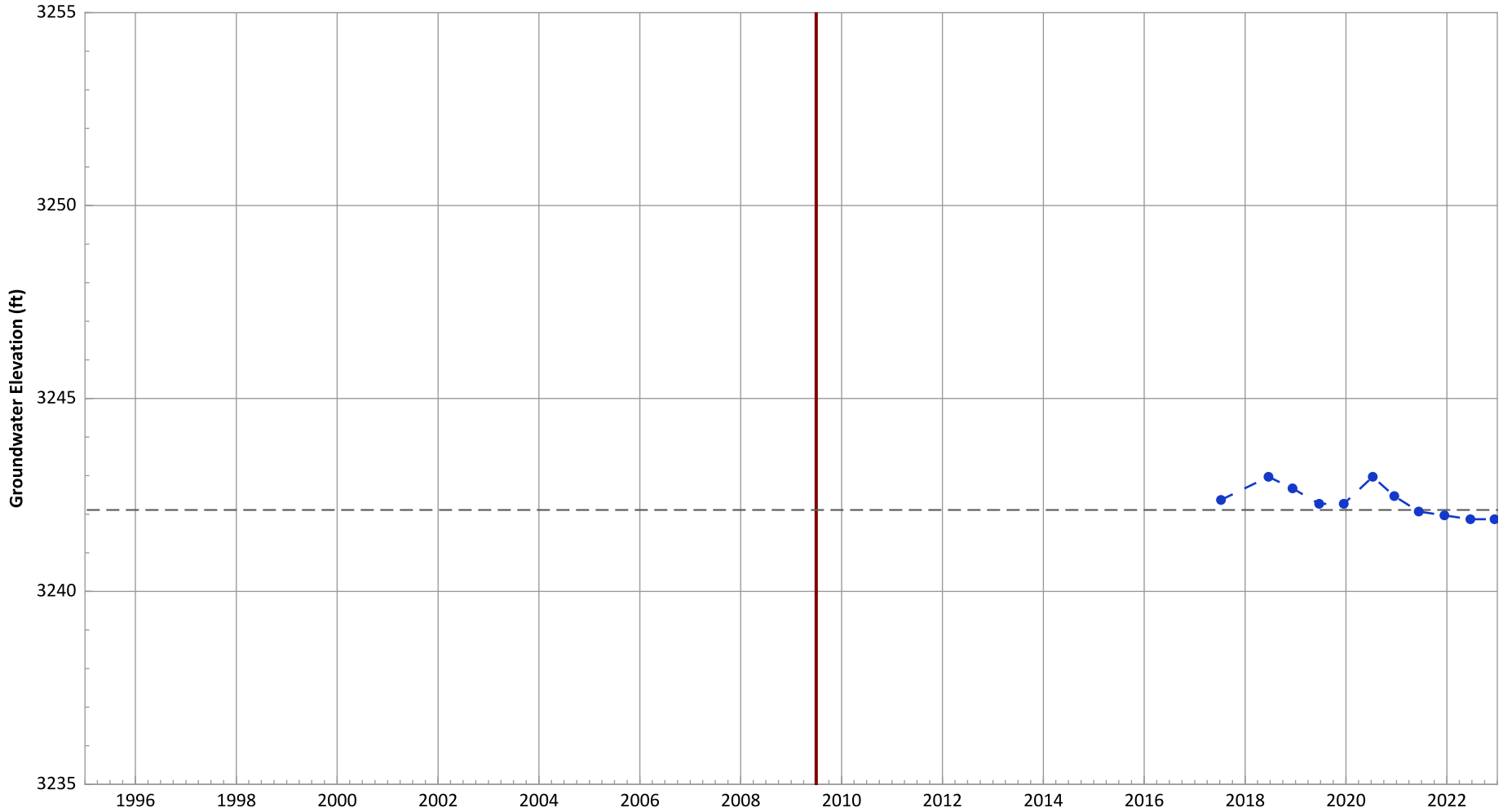
Notes:  
 1. Top of screen elevation is 3256.36 ft msl.  
 2. The bottom of screen elevation is 3246.36 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

**PTX06-1184 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

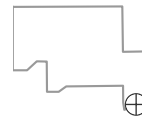


**Notes:**

1. Top of screen elevation is 3252.11 ft msl.
  2. The bottom of screen elevation is 3242.11 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

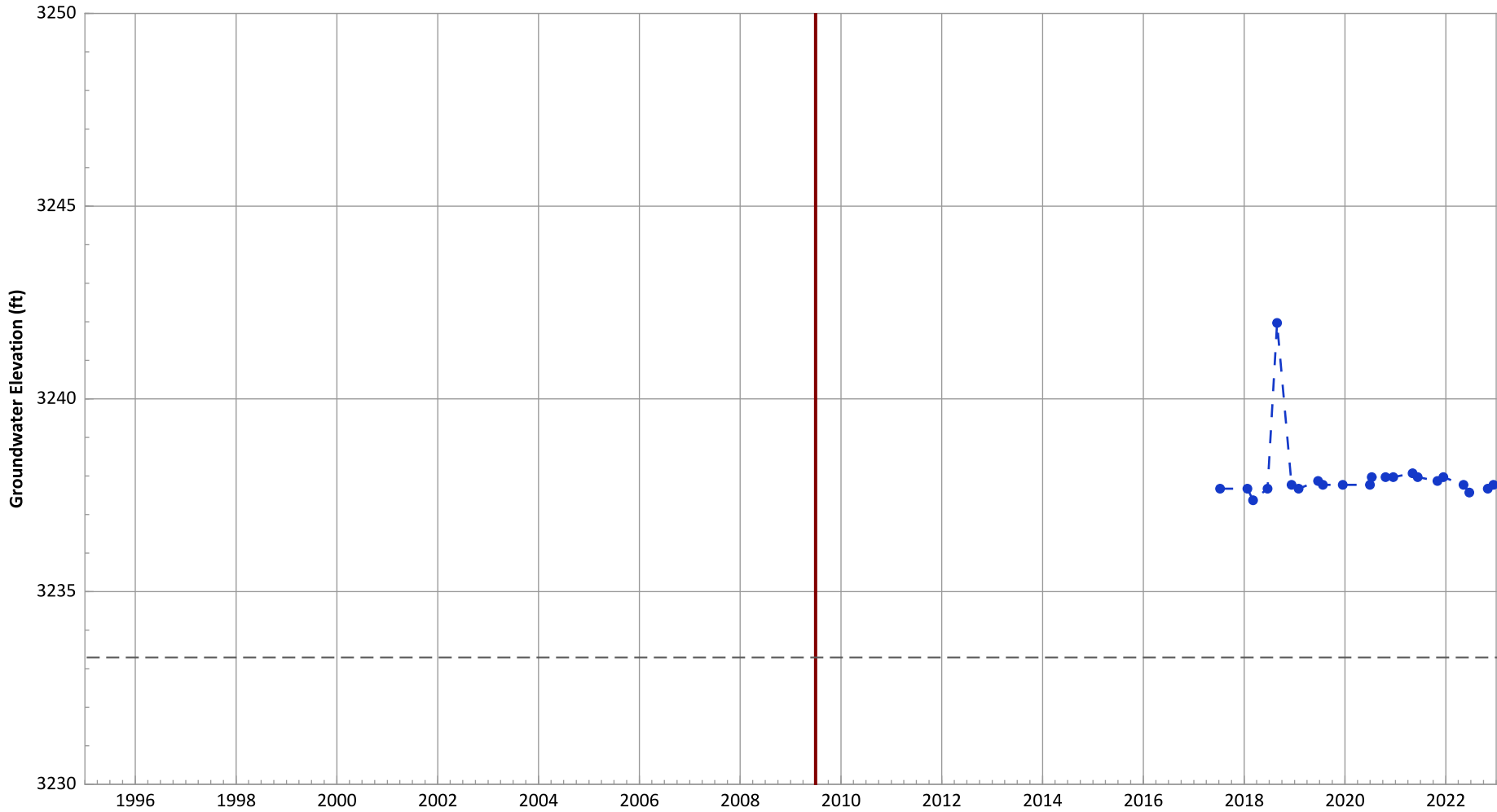
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.15 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.11 ft/yr

**PTX06-1185 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3243.29 ft msl.
  2. The bottom of screen elevation is 3233.29 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**

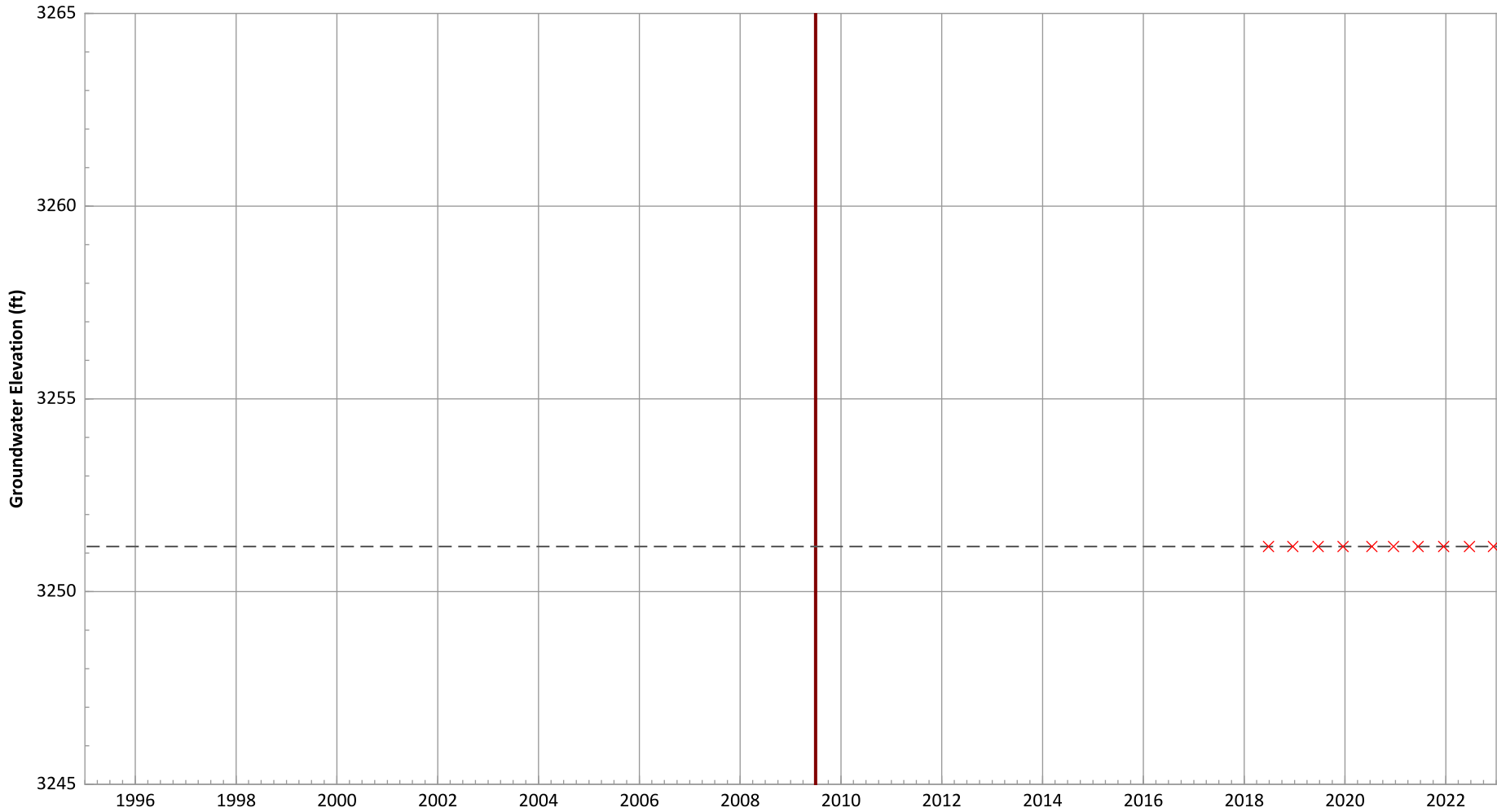


**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend



**PTX06-1188 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

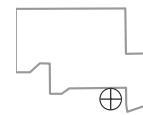


**Notes:**

1. Top of screen elevation is 3261.17 ft msl.
  2. The bottom of screen elevation is 3251.17 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

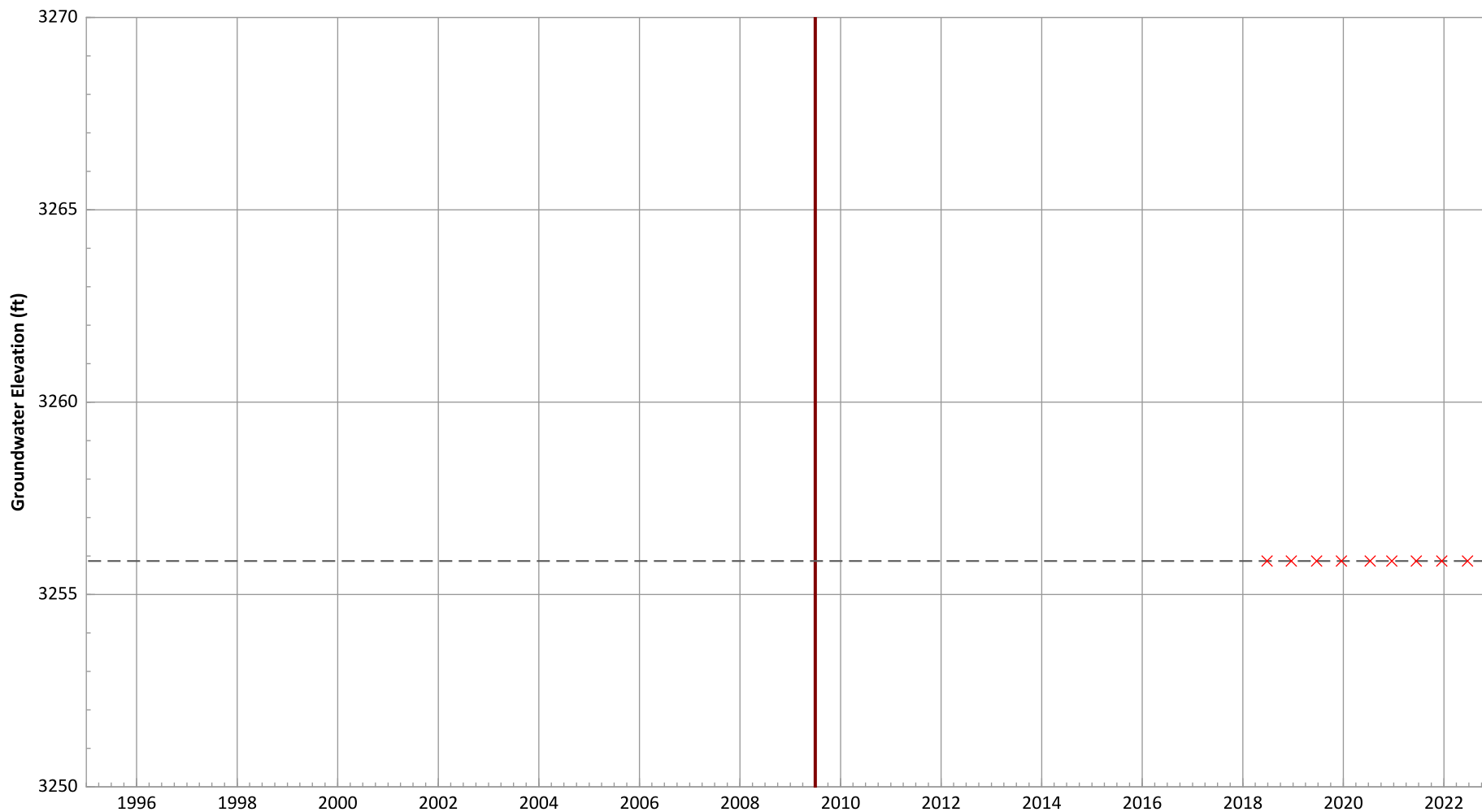
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1189 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

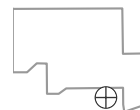


**Notes:**

1. Top of screen elevation is 3265.87 ft msl.
  2. The bottom of screen elevation is 3255.87 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

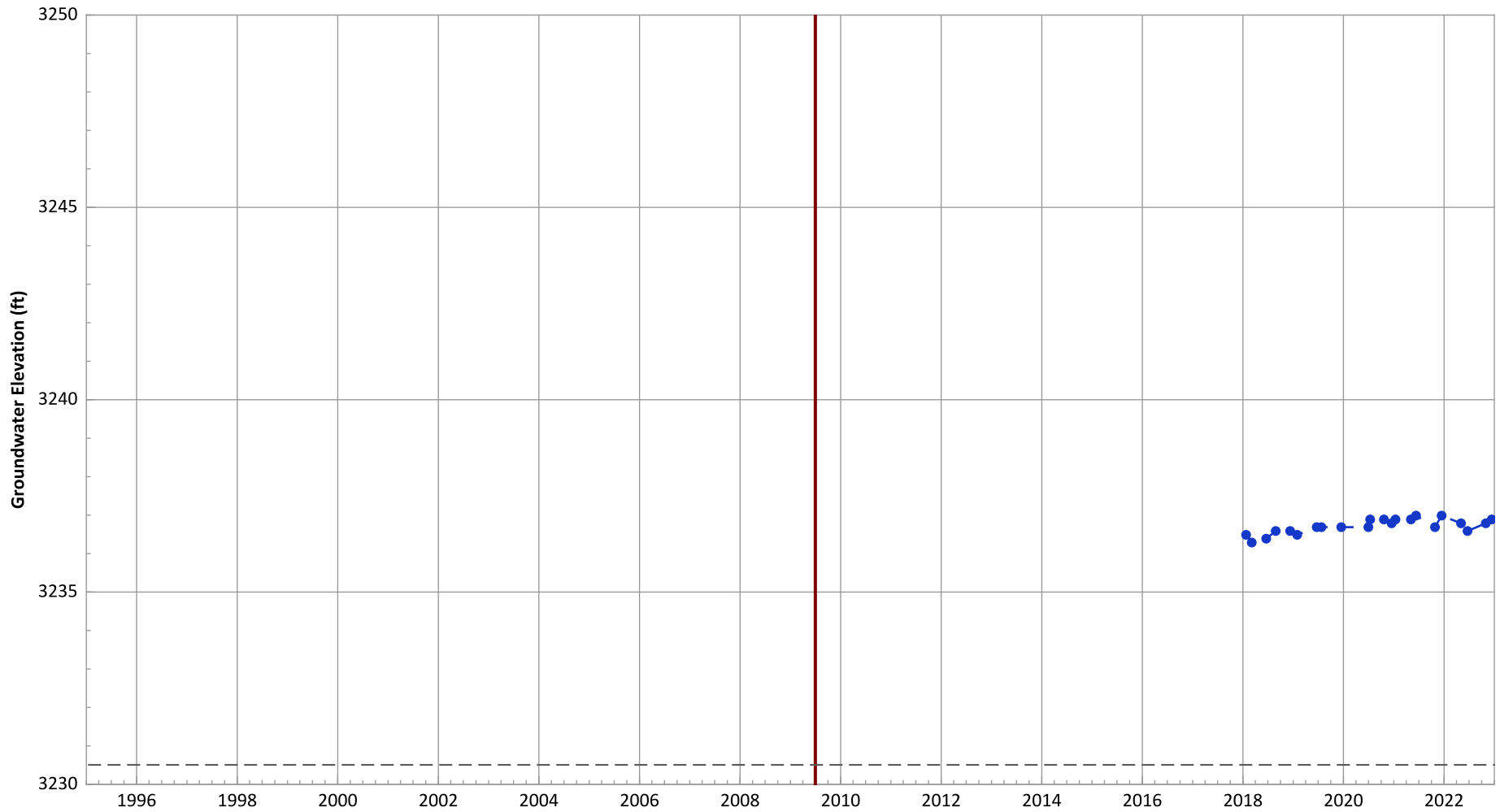
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1190 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3240.51 ft msl.
  2. The bottom of screen elevation is 3230.51 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

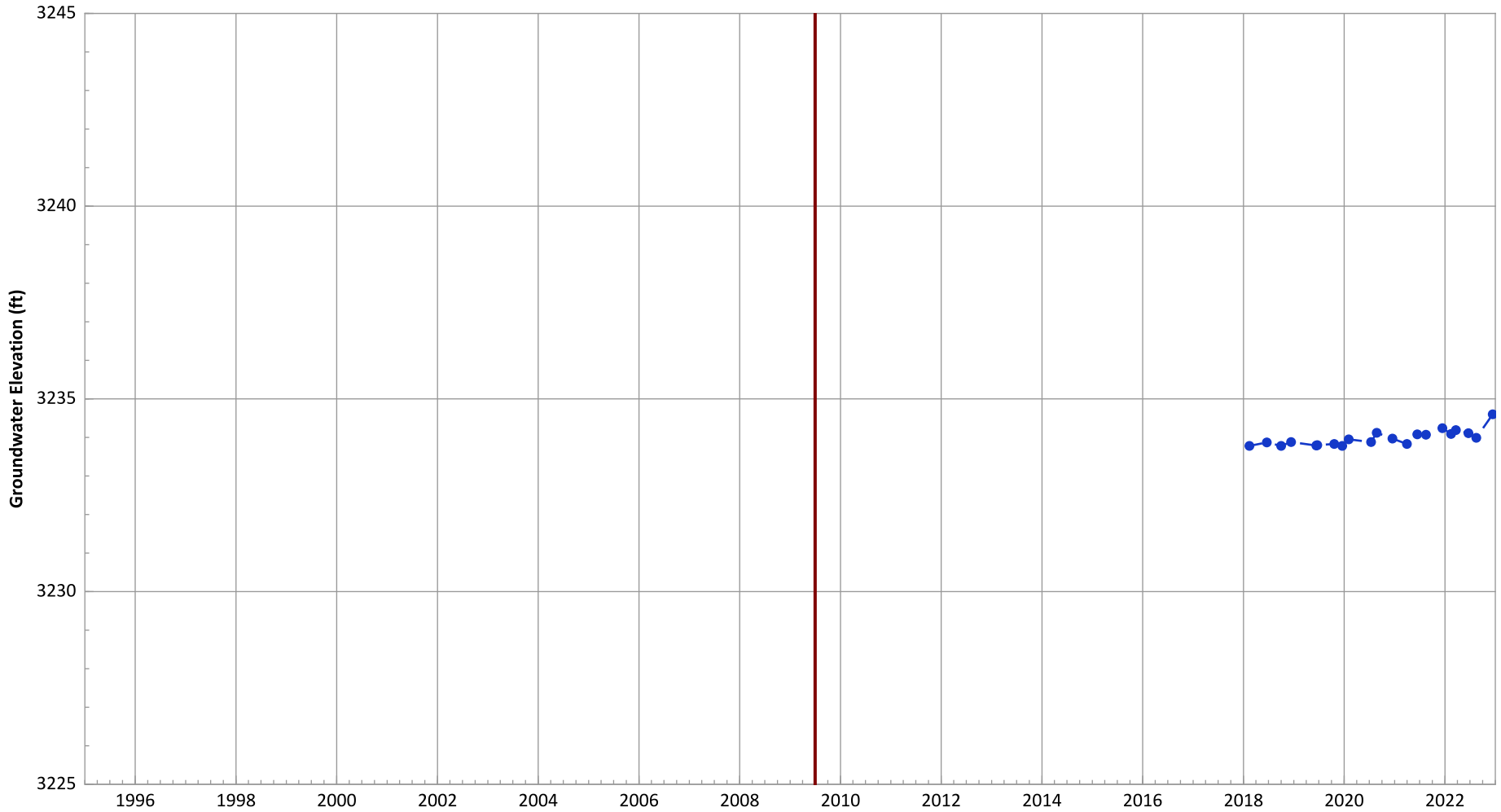
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.14 ft/yr

**PTX06-1191 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3237.02 ft msl.
  2. The bottom of screen elevation is 3222.02 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

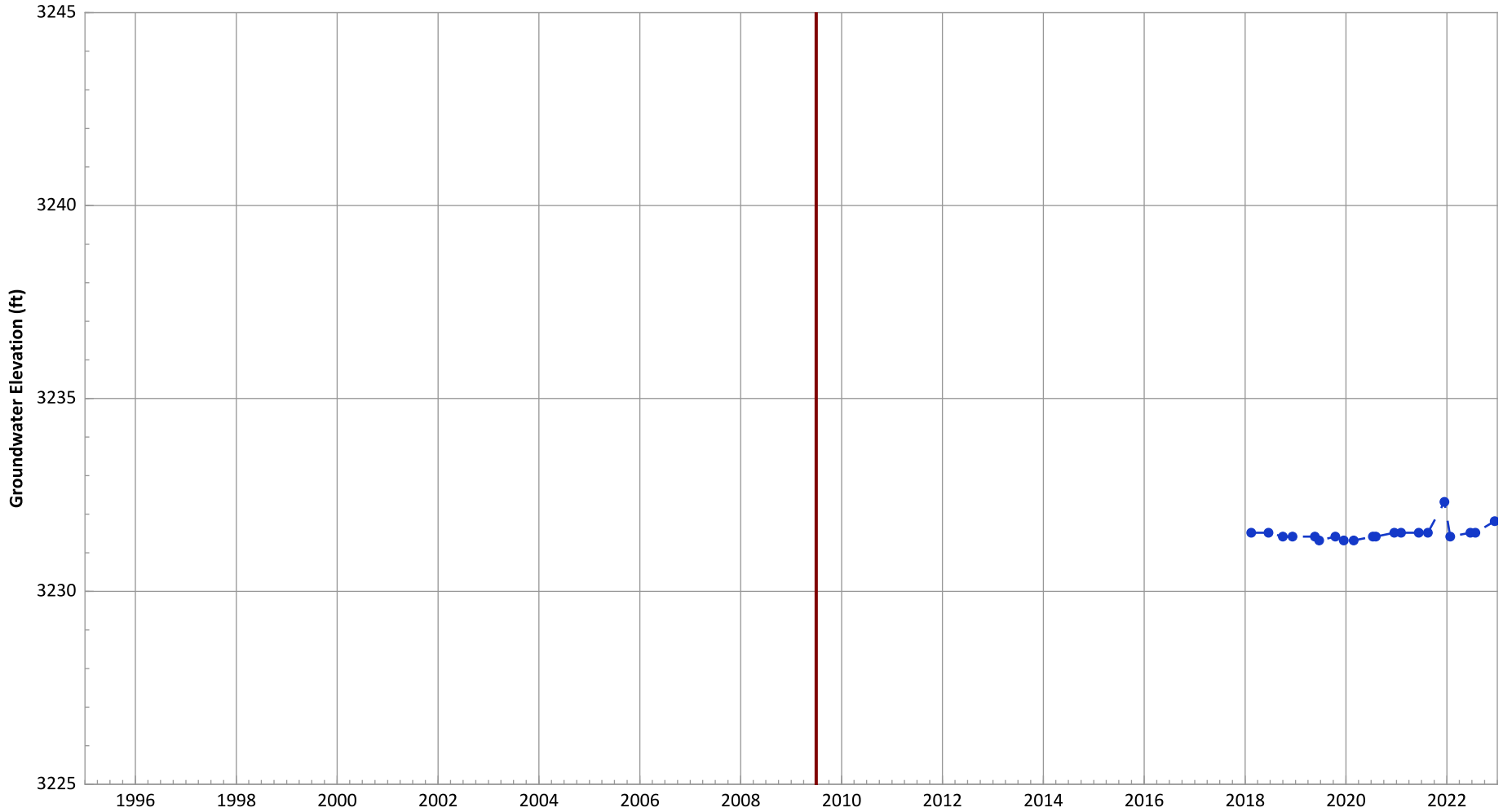
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Increasing at 0.11 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-1192 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



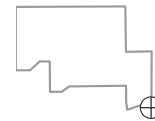
Notes:

1. Top of screen elevation is 3238.23 ft msl.
2. The bottom of screen elevation is 3218.23 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

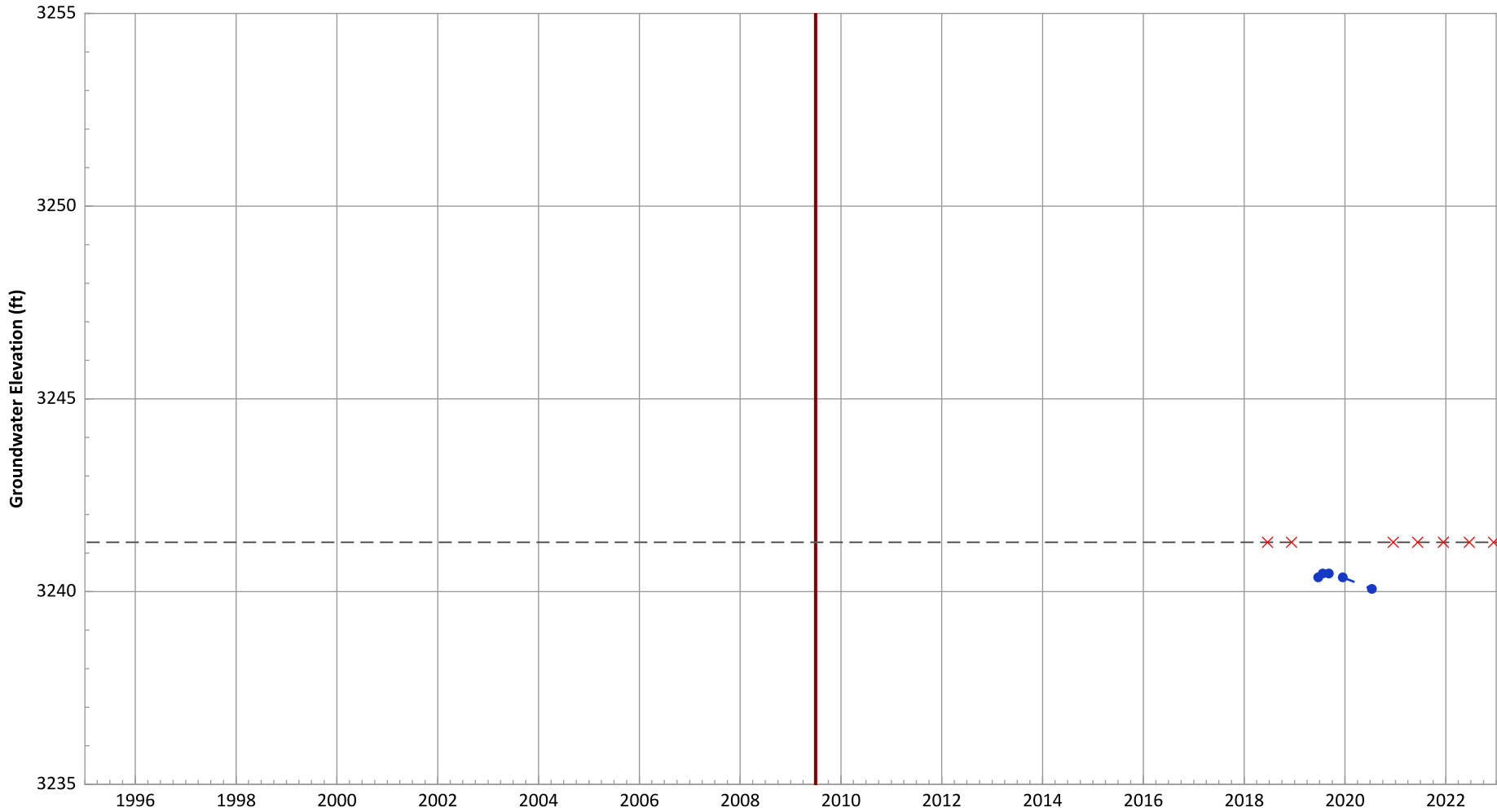
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1193 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

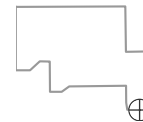


**Notes:**

1. Top of screen elevation is 3251.28 ft msl.
  2. The bottom of screen elevation is 3241.28 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

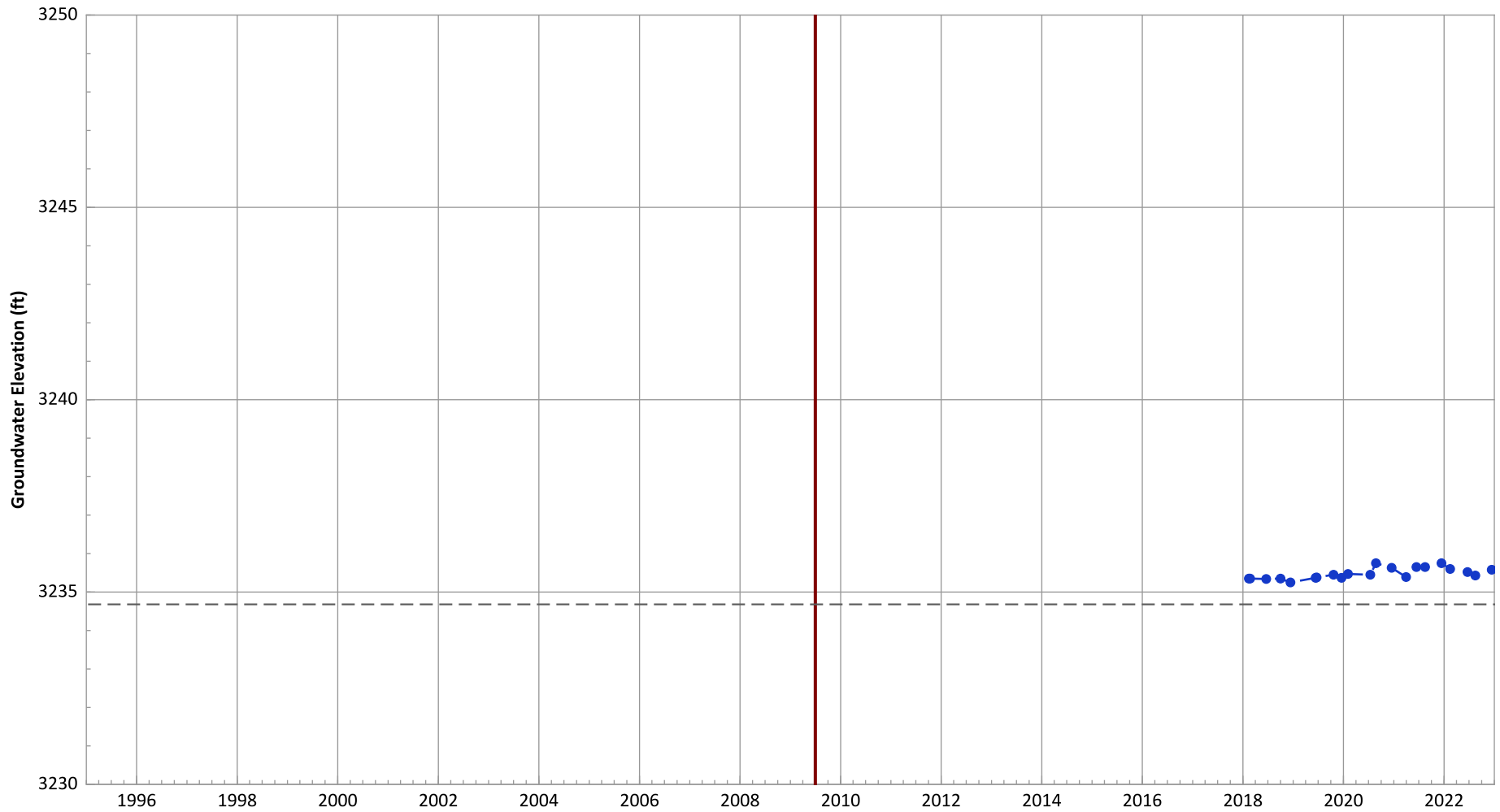
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.34 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.34 ft/yr

**PTX06-1194 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3244.68 ft msl.
  2. The bottom of screen elevation is 3234.68 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

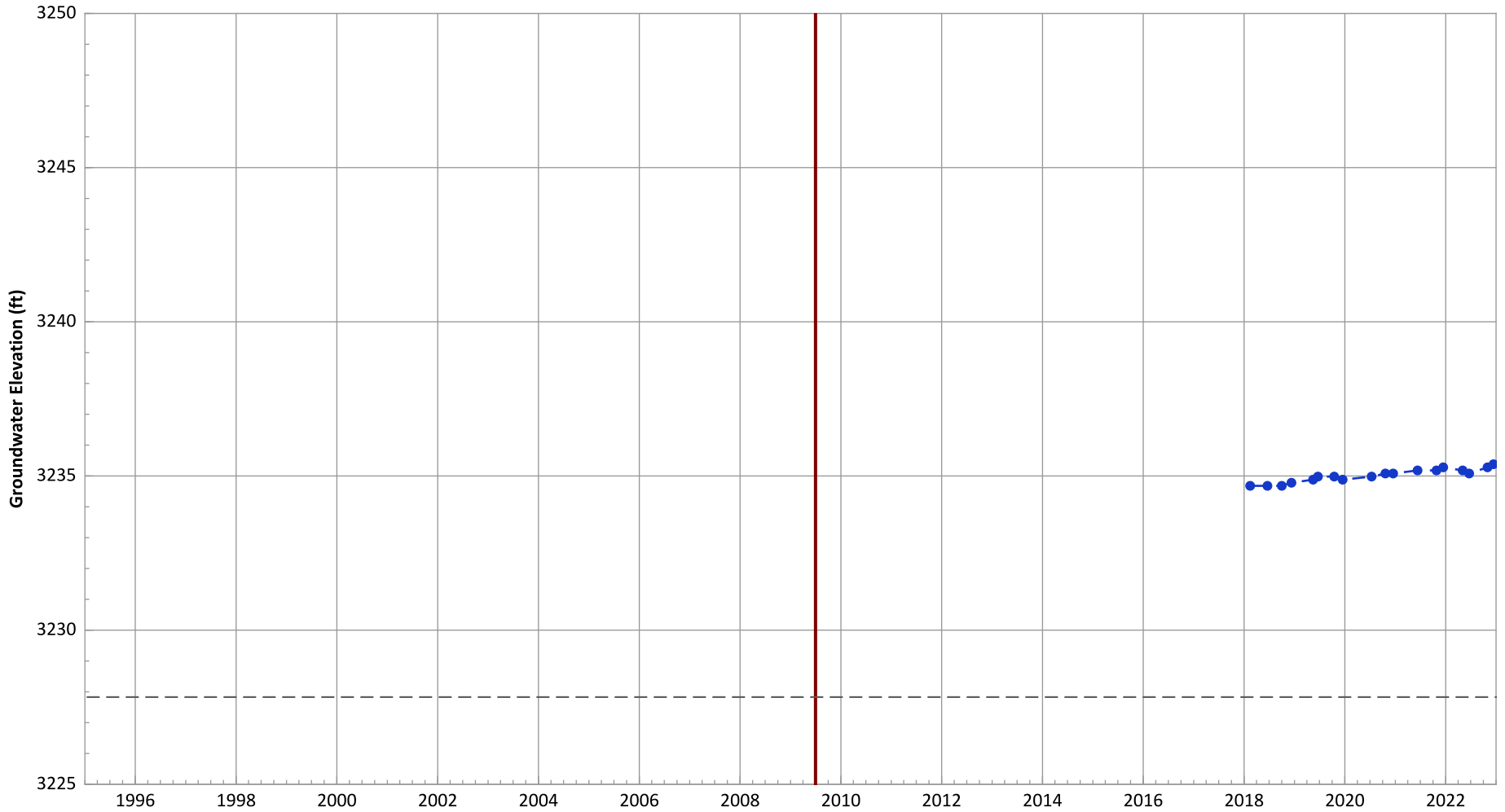
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.1 ft/yr

**PTX06-1195 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3242.83 ft msl.
  2. The bottom of screen elevation is 3227.83 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**

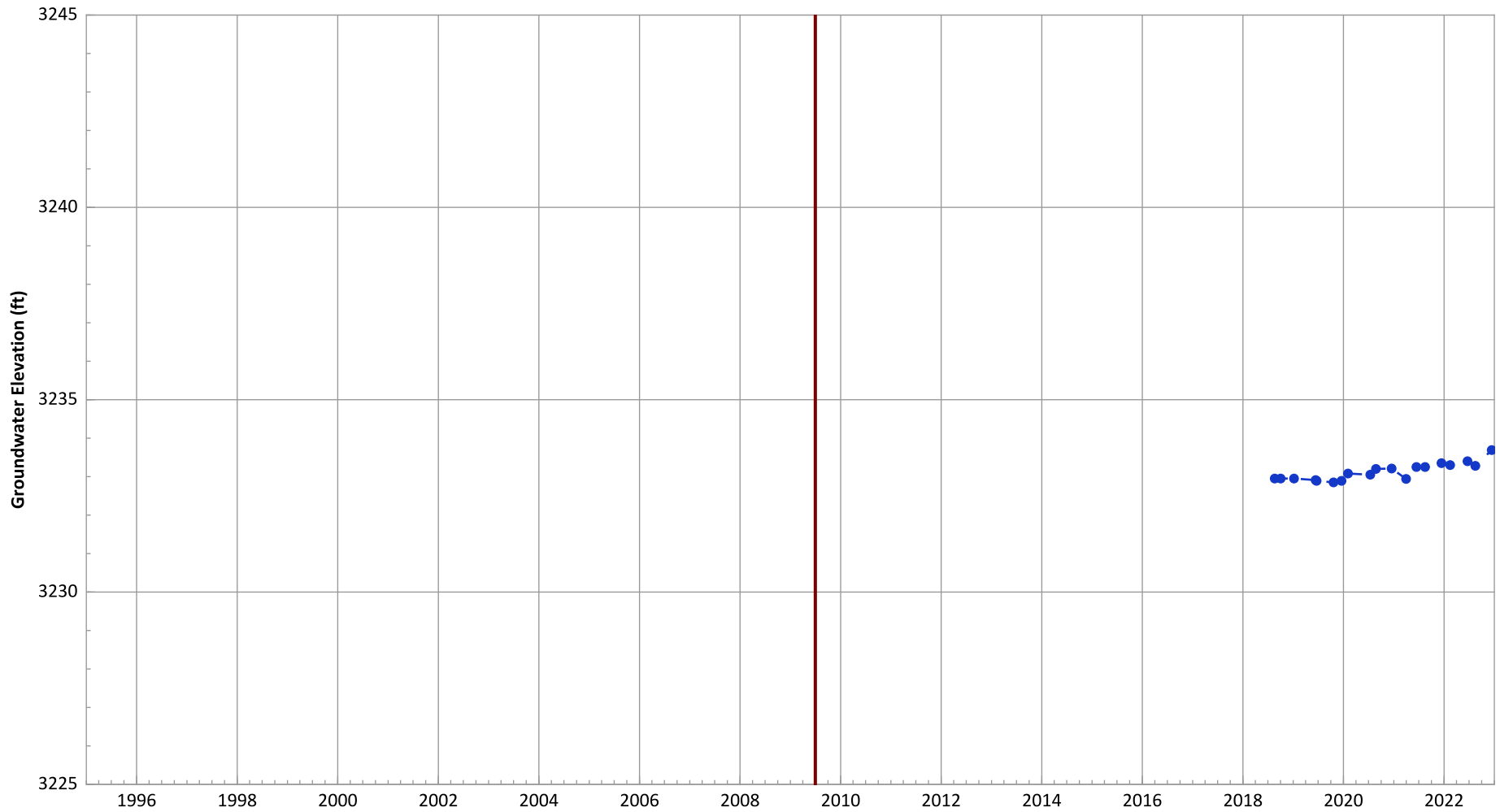


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.13 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.15 ft/yr



**PTX06-1196 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3237.67 ft msl.
  2. The bottom of screen elevation is 3222.67 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

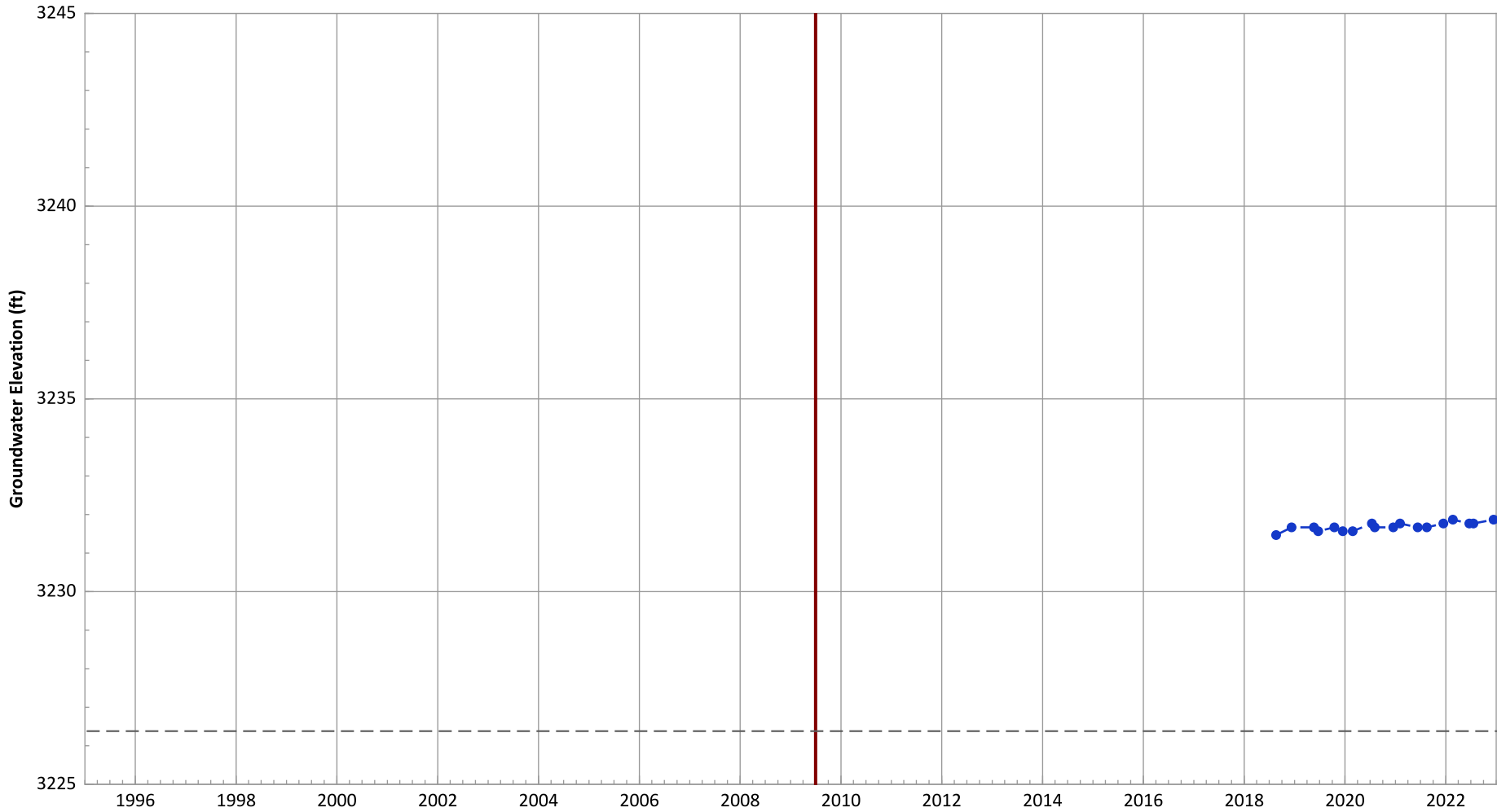
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.14 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.12 ft/yr

**PTX06-1197 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3241.38 ft msl.
  2. The bottom of screen elevation is 3226.38 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

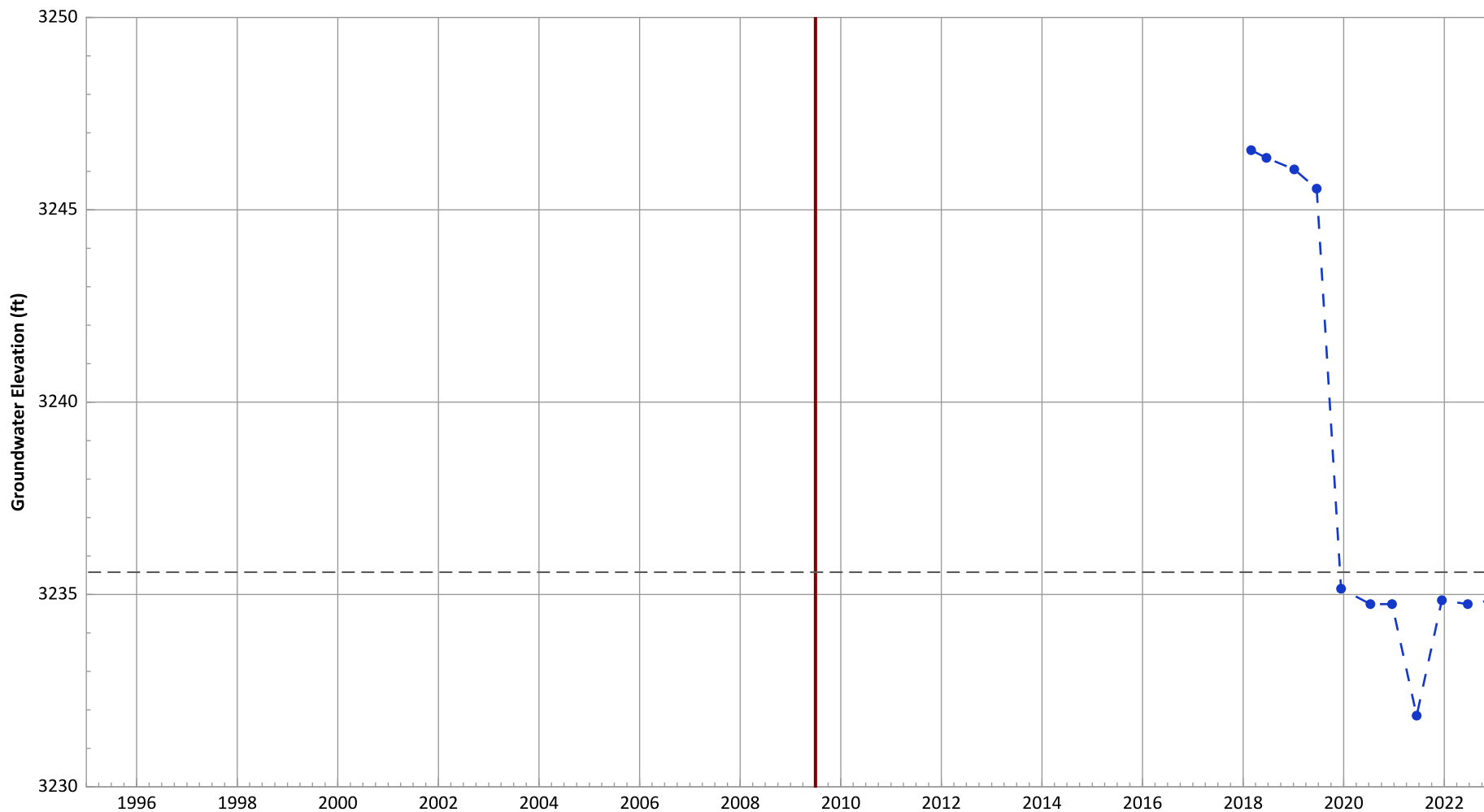
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1198 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

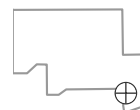


**Notes:**

1. Top of screen elevation is 3250.58 ft msl.
  2. The bottom of screen elevation is 3235.58 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

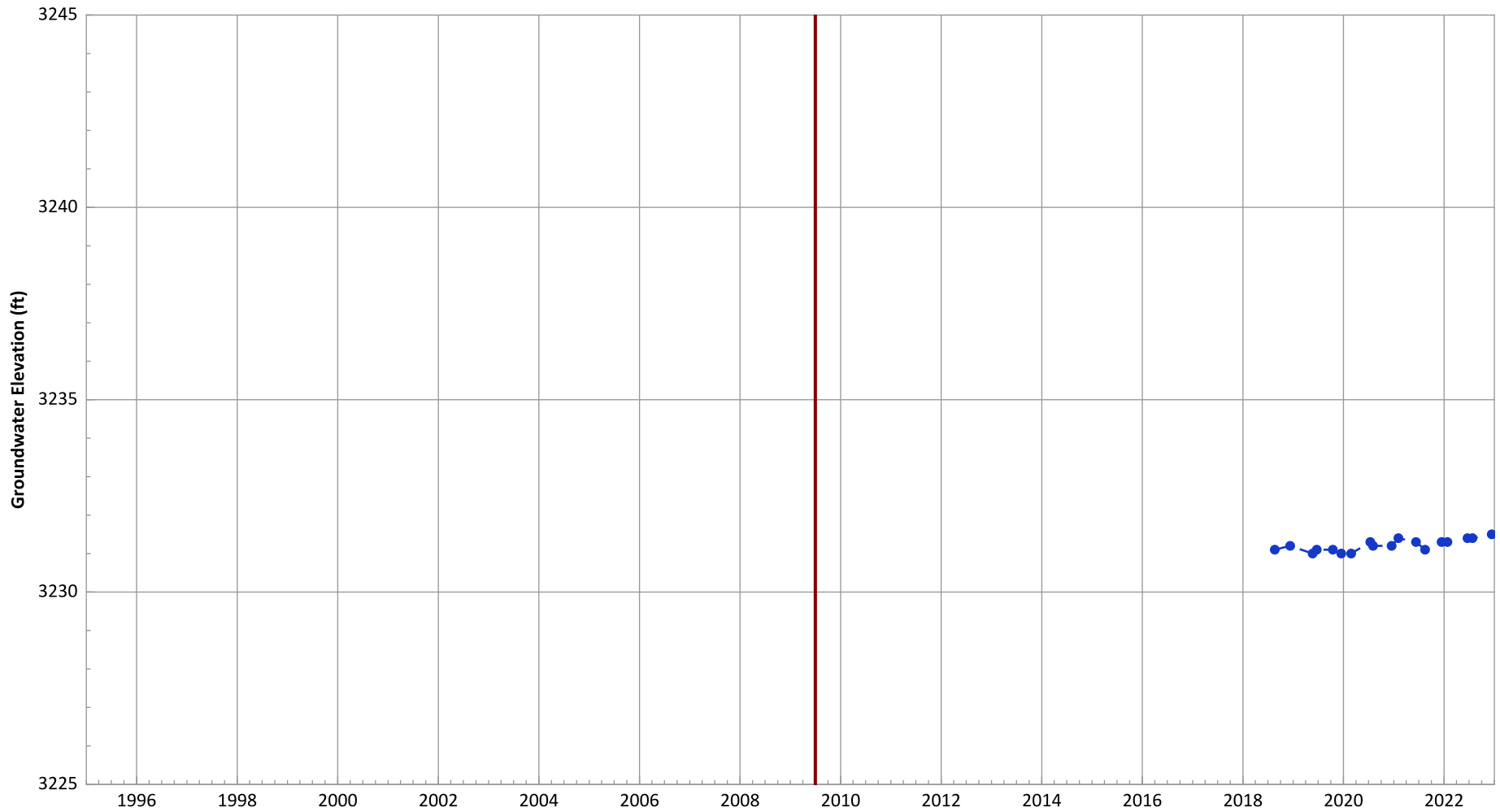
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 3.09 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 4.26 ft/yr

PTX06-1199 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3235.75 ft msl.
  2. The bottom of screen elevation is 3220.75 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- - - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

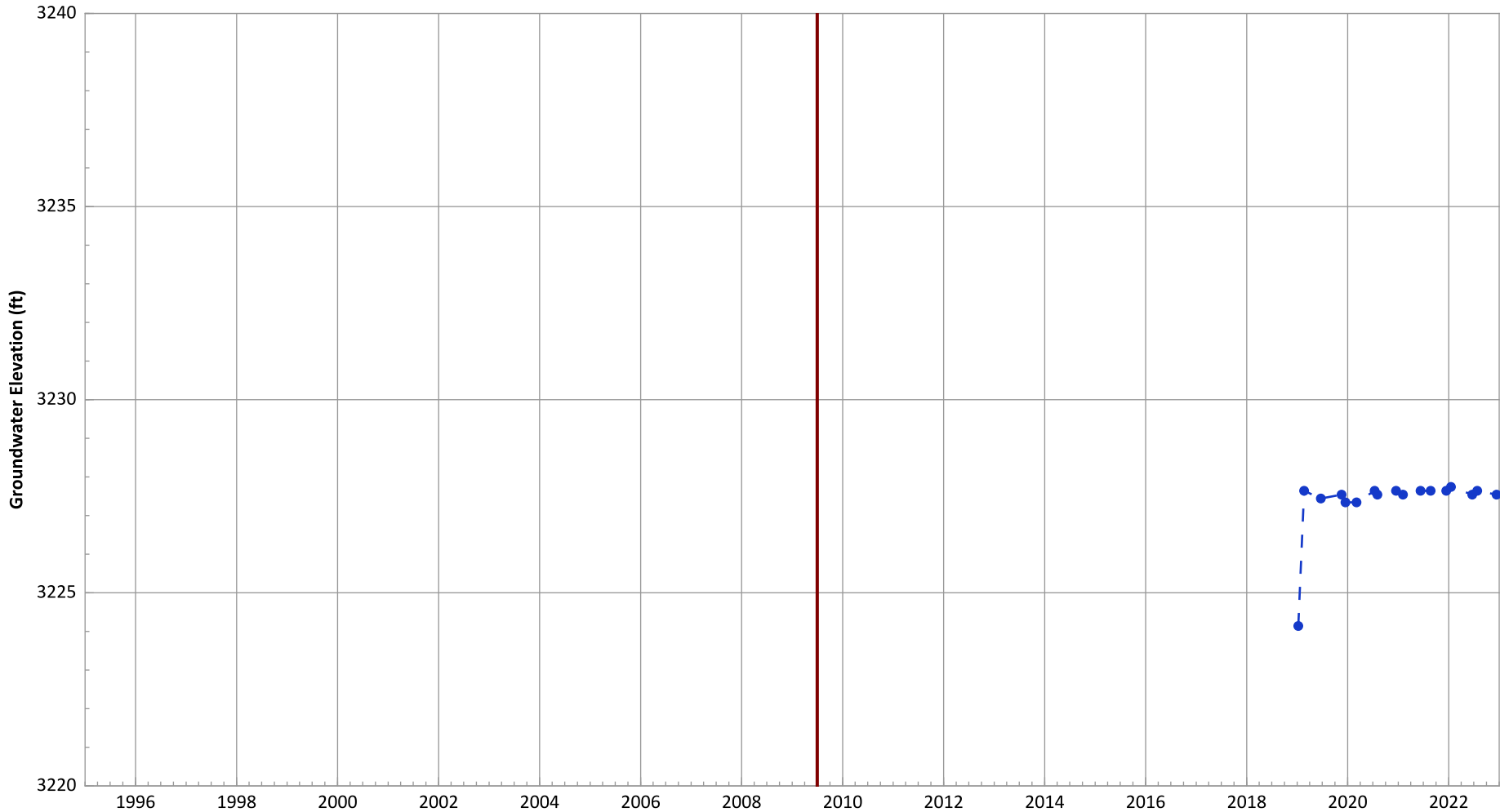
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1200 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



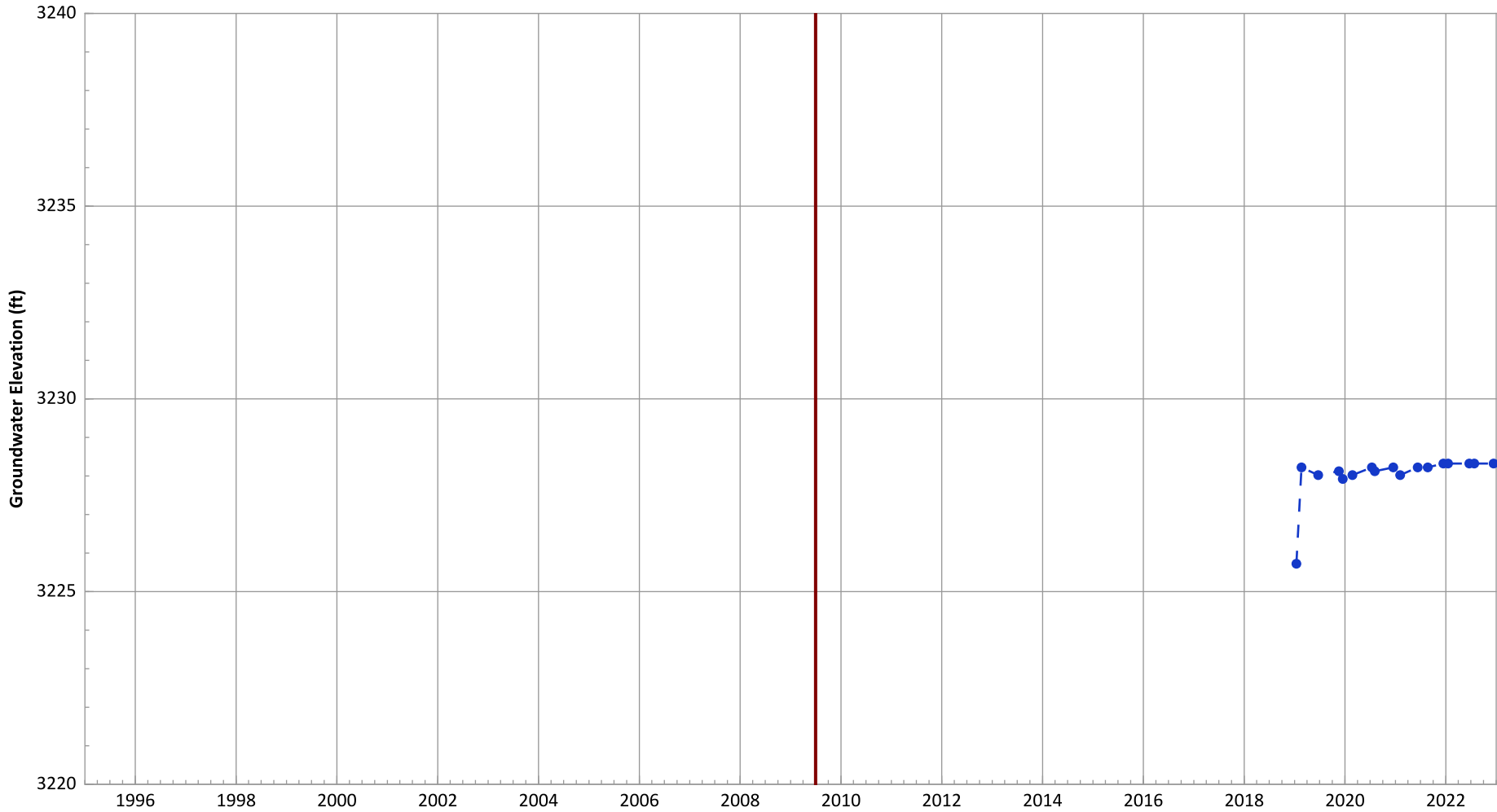
Notes:  
 1. Top of screen elevation is 3232.28 ft msl.  
 2. The bottom of screen elevation is 3217.28 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.31 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.5 ft/yr

**PTX06-1201 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

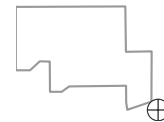


**Notes:**

1. Top of screen elevation is 3232.04 ft msl.
  2. The bottom of screen elevation is 3217.04 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

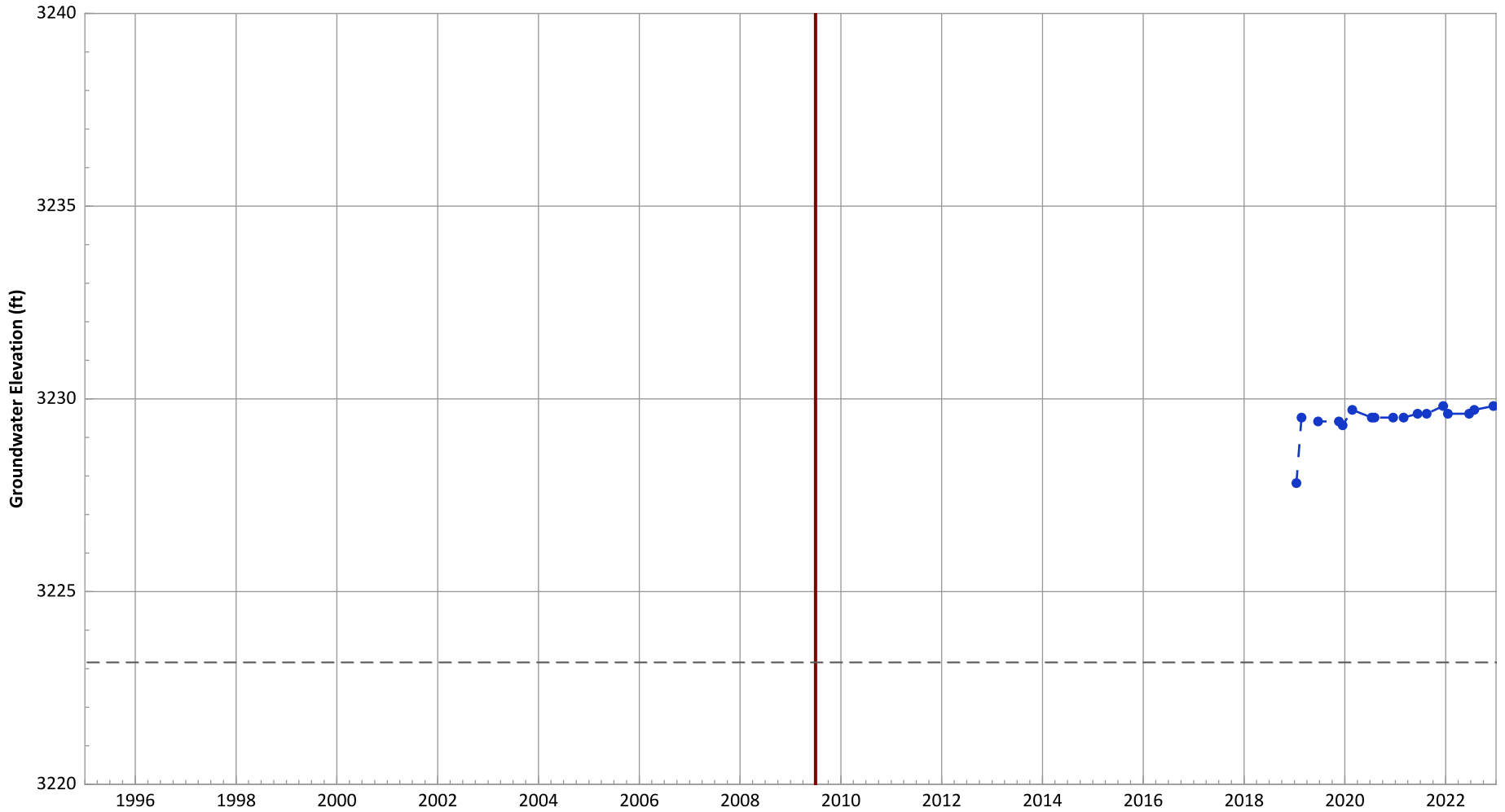
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Increasing at 0.26 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.37 ft/yr

**PTX06-1202 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3238.16 ft msl.
  2. The bottom of screen elevation is 3223.16 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

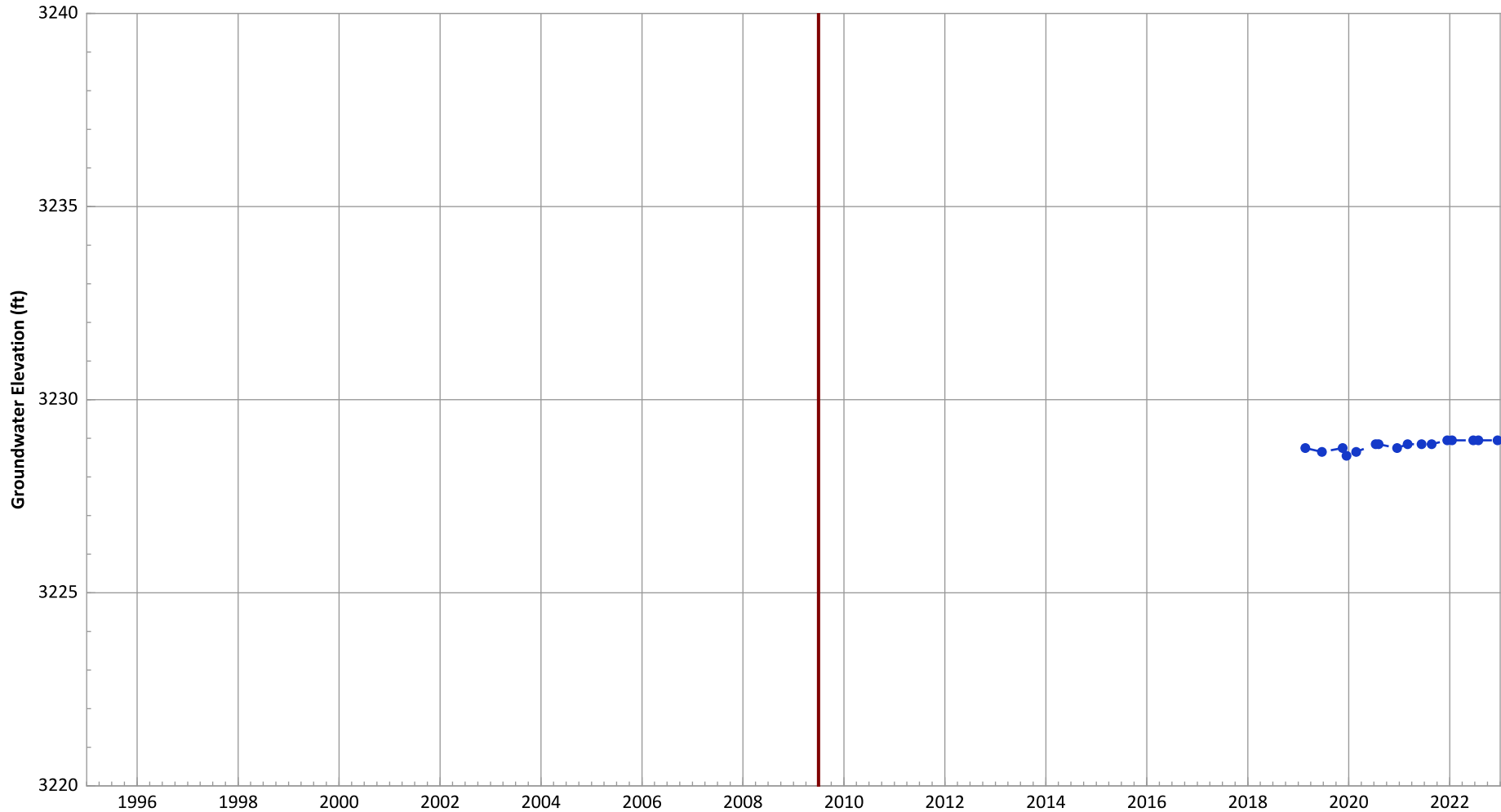
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Increasing at 0.21 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.3 ft/yr

**PTX06-1203 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



Notes:  
 1. Top of screen elevation is 3234.03 ft msl.  
 2. The bottom of screen elevation is 3219.03 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

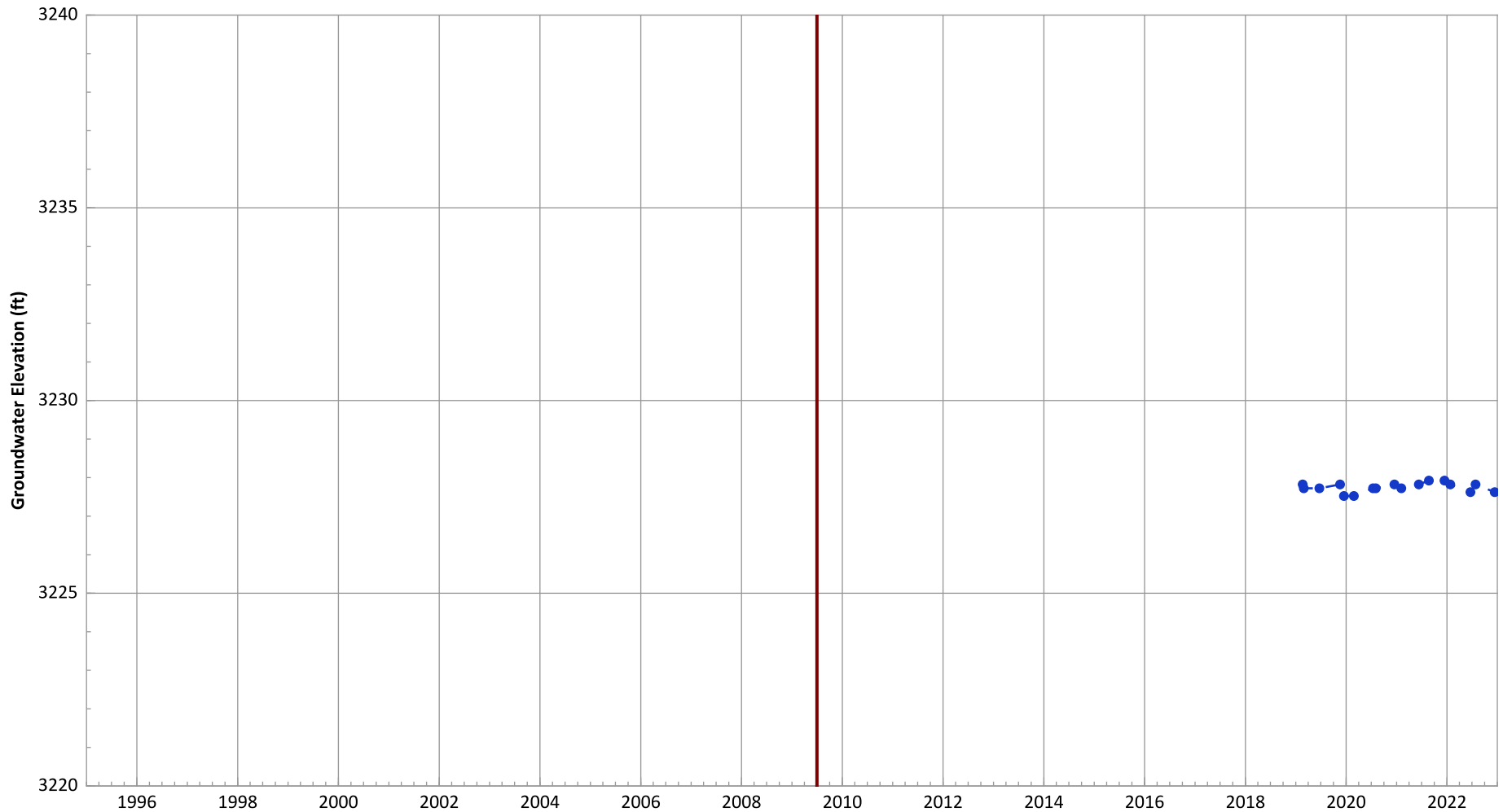
- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend



**PTX06-1204 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

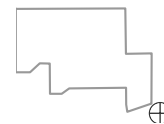


**Notes:**

1. Top of screen elevation is 3231.9 ft msl.
  2. The bottom of screen elevation is 3211.9 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

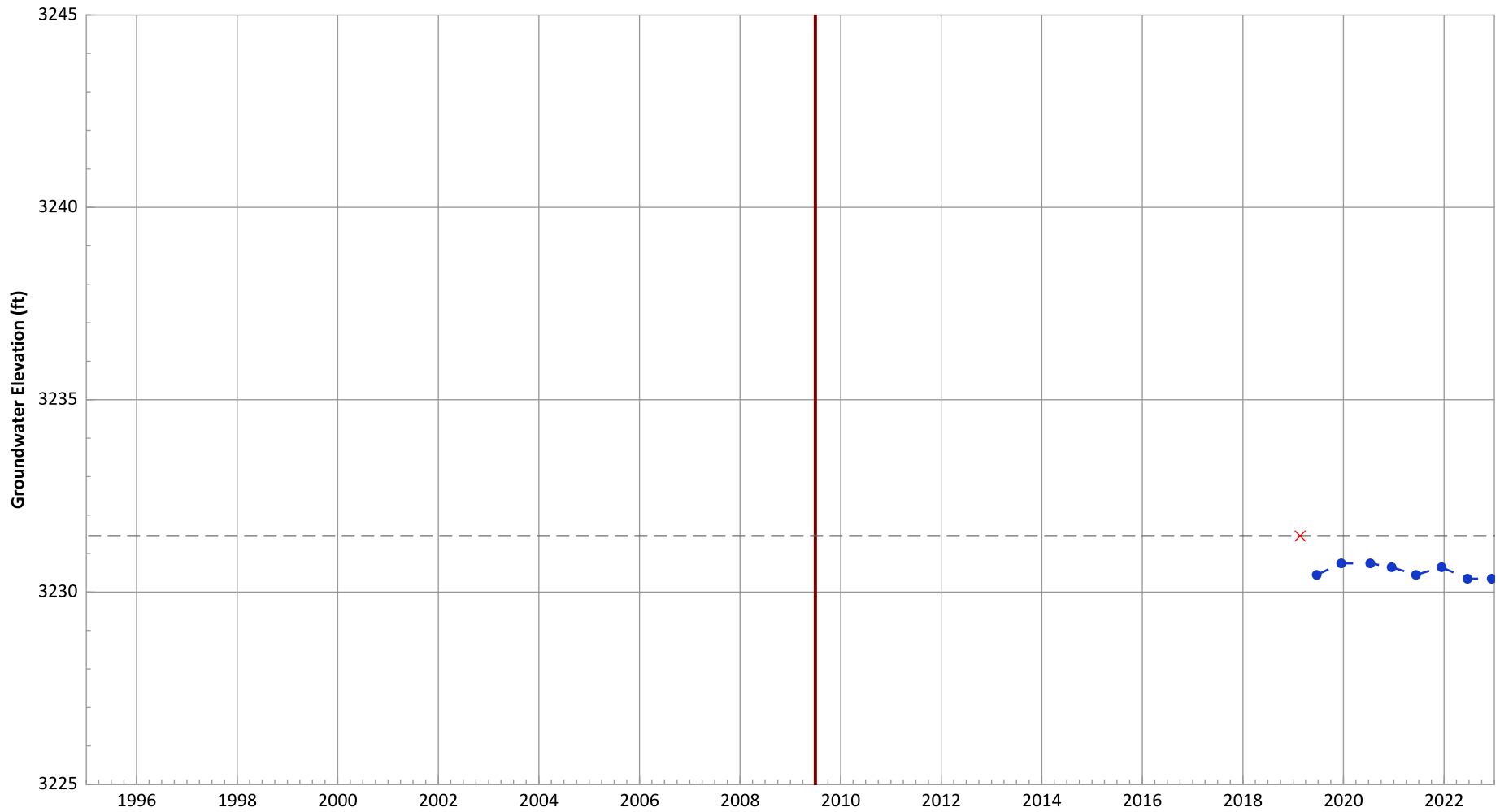
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1205 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

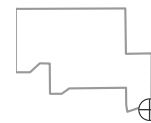


**Notes:**

1. Top of screen elevation is 3241.46 ft msl.
  2. The bottom of screen elevation is 3231.46 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

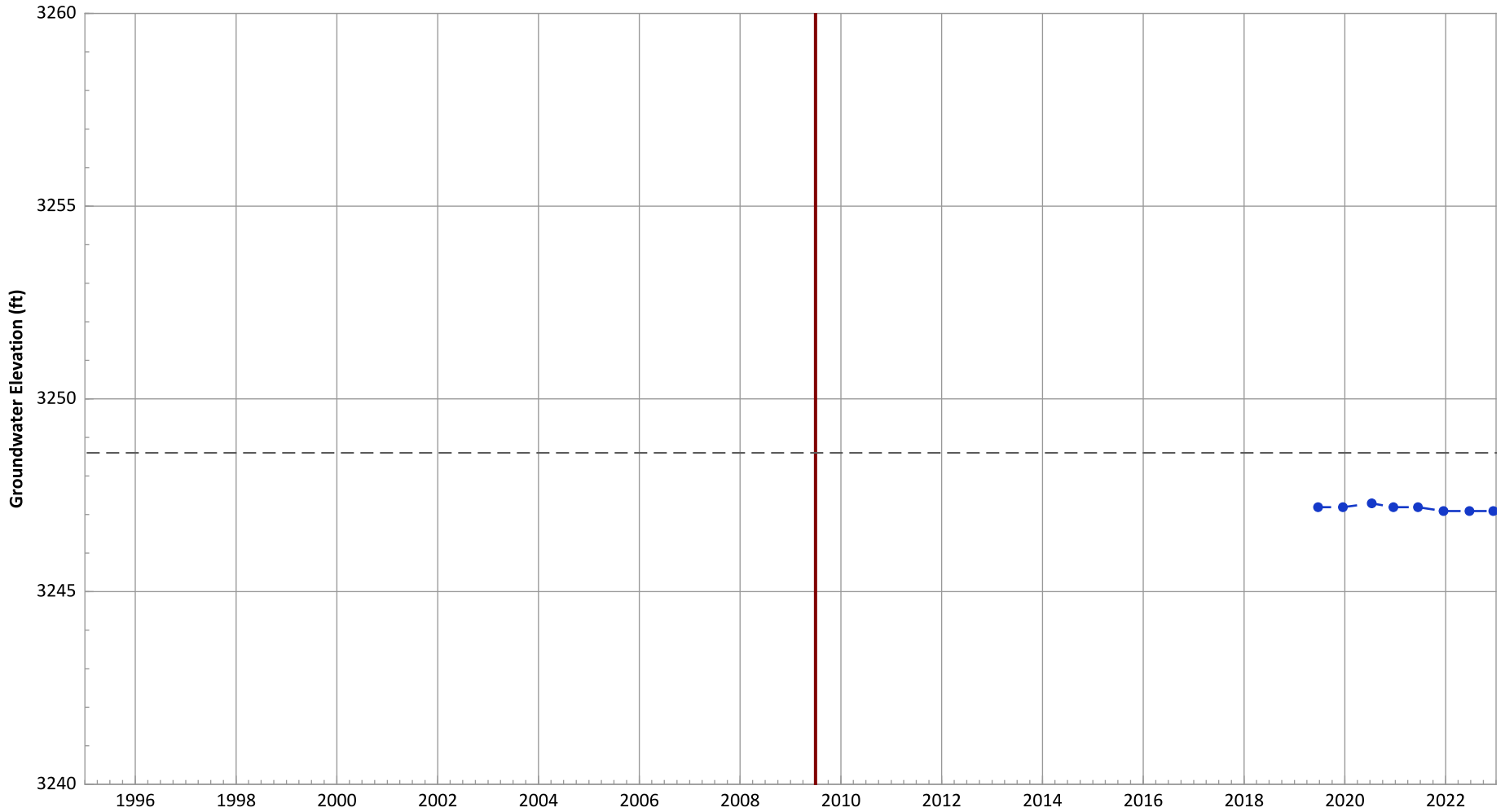
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1206 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

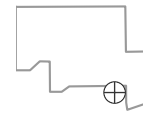


**Notes:**

1. Top of screen elevation is 3288.6 ft msl.
  2. The bottom of screen elevation is 3248.6 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

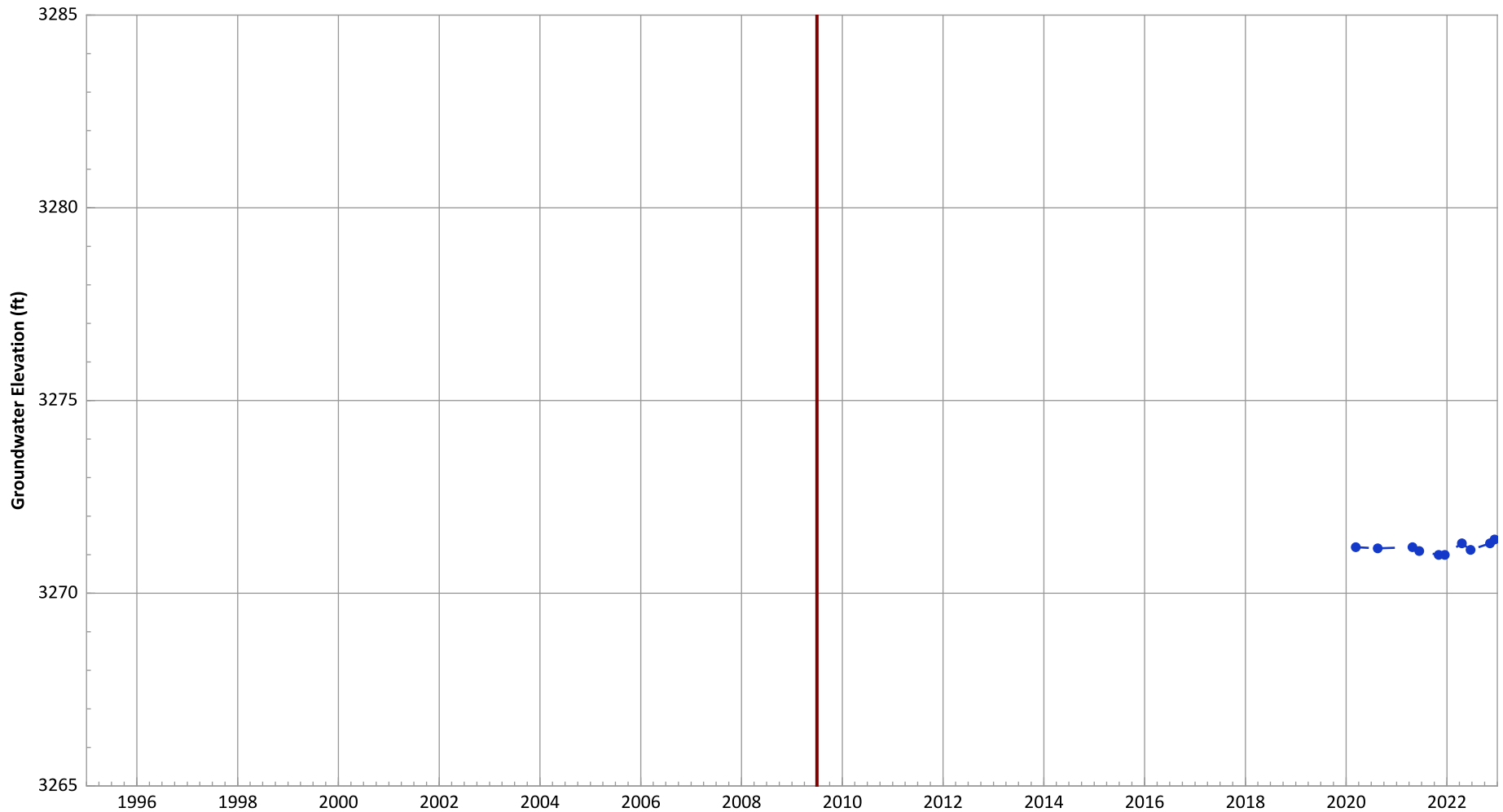
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-1207 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

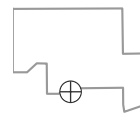


**Notes:**

1. Top of screen elevation is 3272.07 ft msl.
  2. The bottom of screen elevation is 3257.07 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

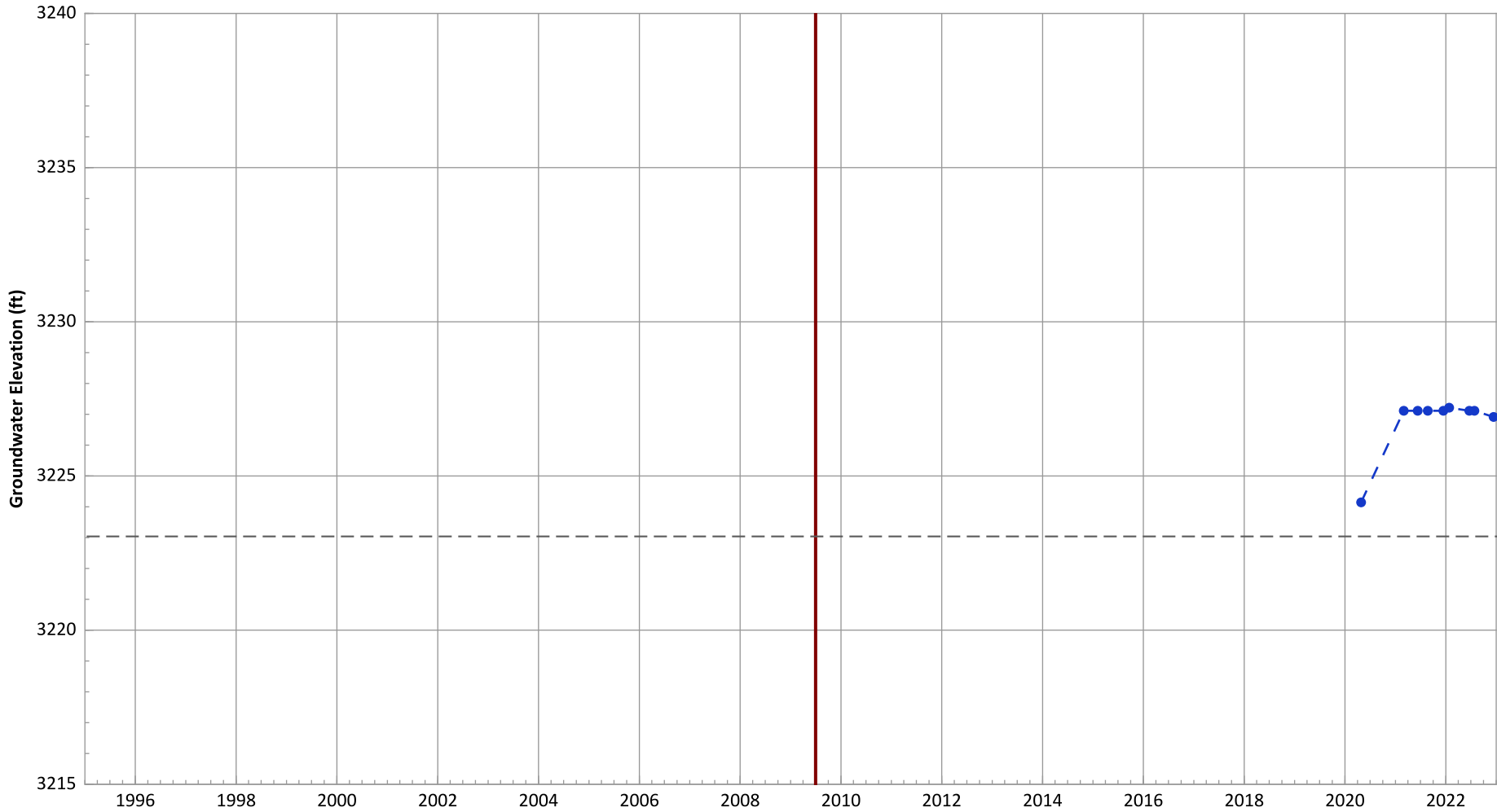
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.11 ft/yr

**PTX06-1208 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

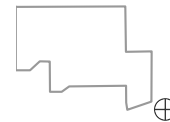


**Notes:**

1. Top of screen elevation is 3238.04 ft msl.
  2. The bottom of screen elevation is 3223.04 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

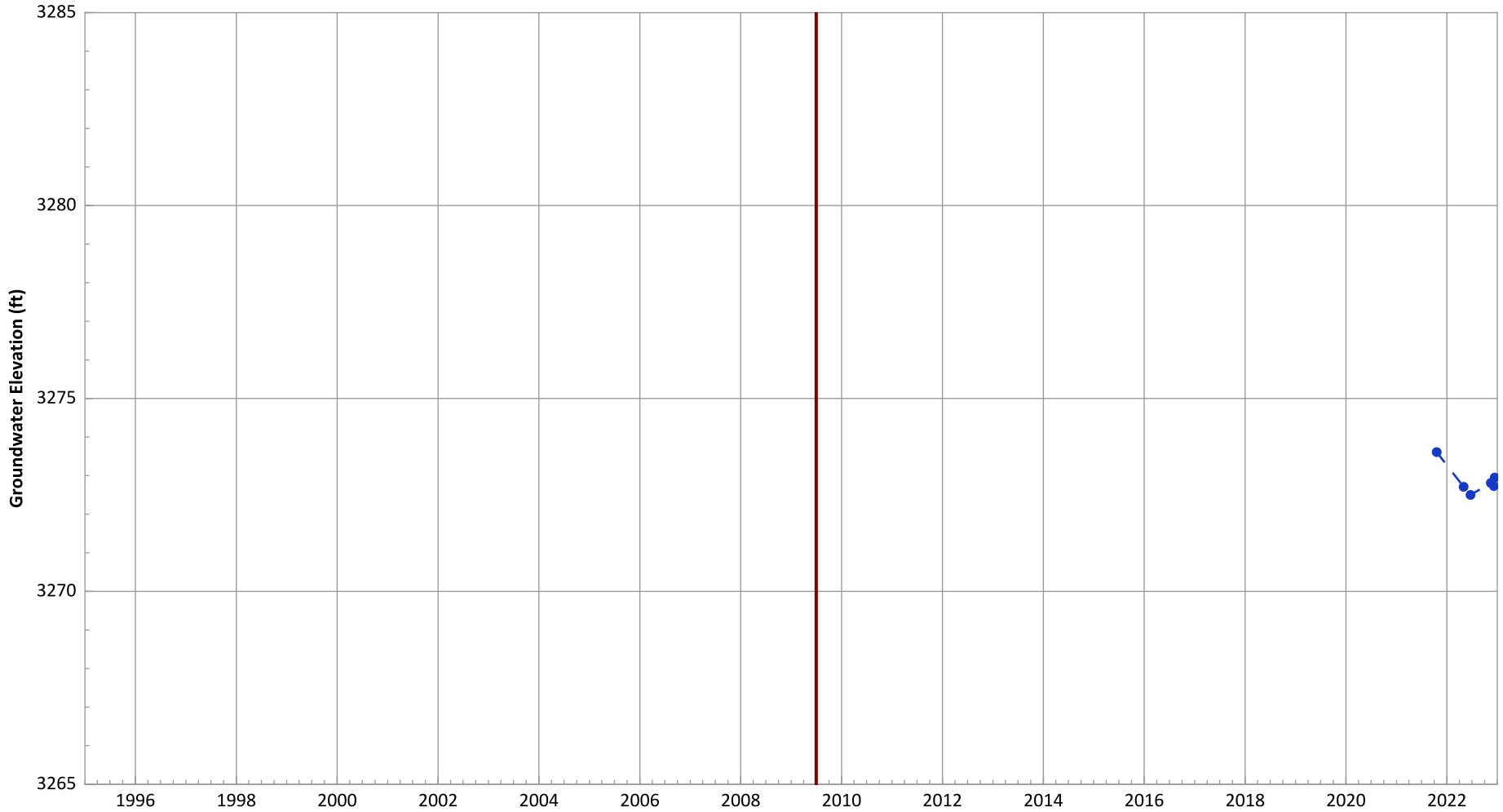
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Increasing at 0.83 ft/yr  
Data (1/2017 - 1/2021): Increasing at 1.9 ft/yr

PTX06-1209 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



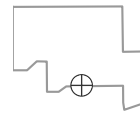
Notes:

1. Top of screen elevation is 3280.22 ft msl.
2. The bottom of screen elevation is 3260.22 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



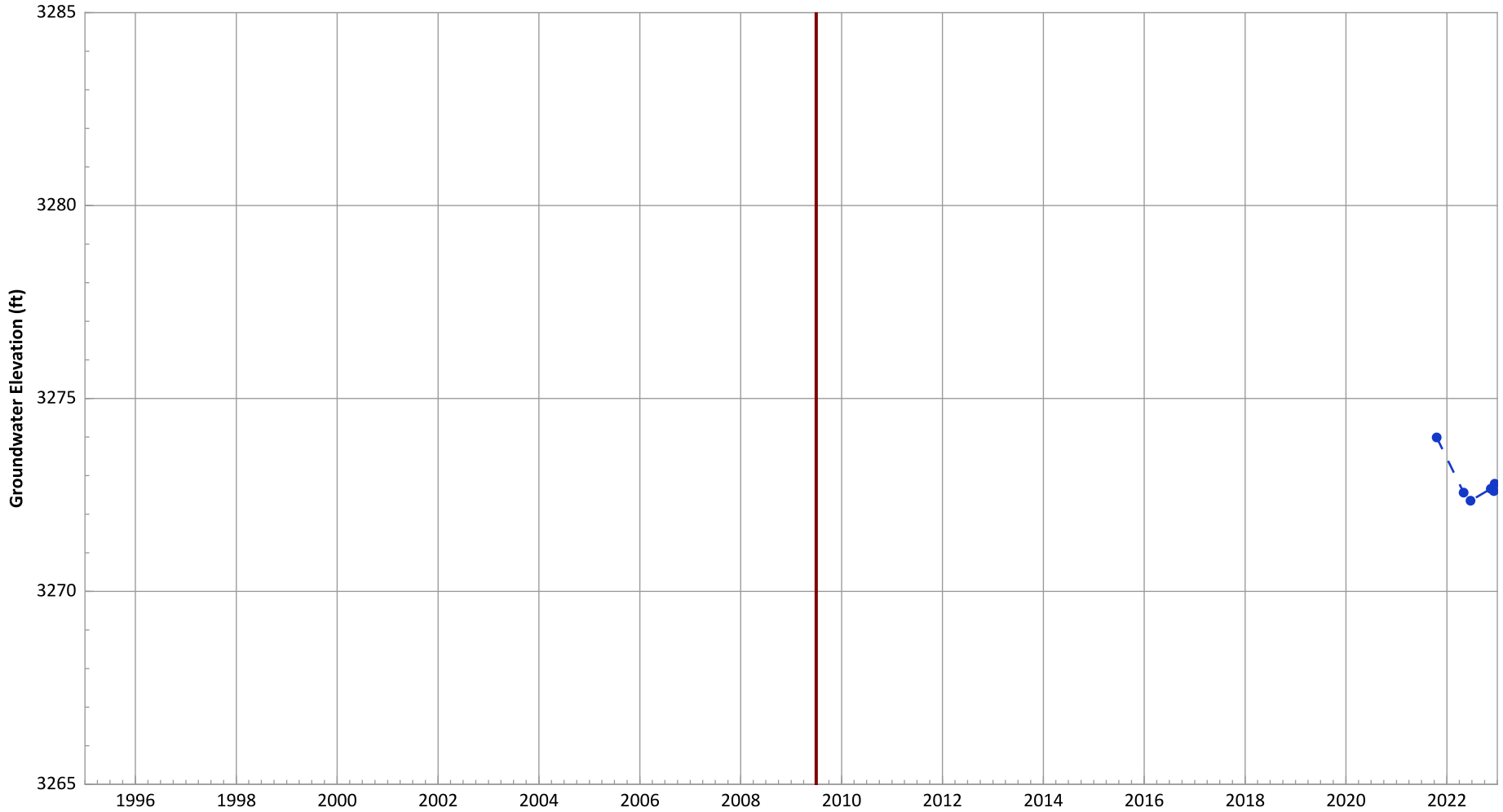
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: Decreasing at 0.52 ft/yr

Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-1210 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



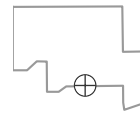
Notes:

1. Top of screen elevation is 3276.71 ft msl.
2. The bottom of screen elevation is 3256.71 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



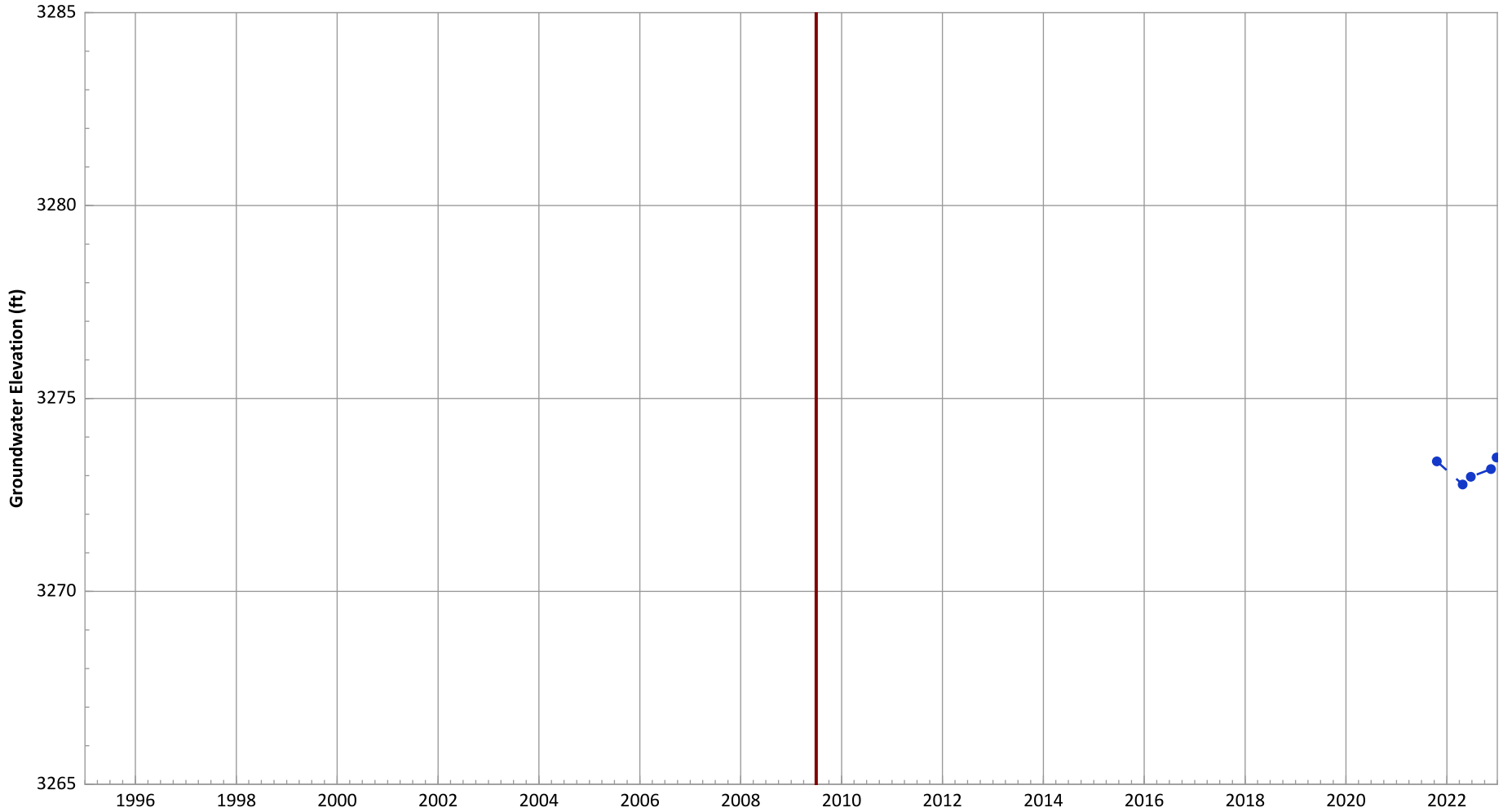
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: Decreasing at 0.91 ft/yr

Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-1211 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



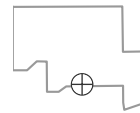
Notes:

1. Top of screen elevation is 3277.73 ft msl.
2. The bottom of screen elevation is 3257.73 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



Hydrograph Trend

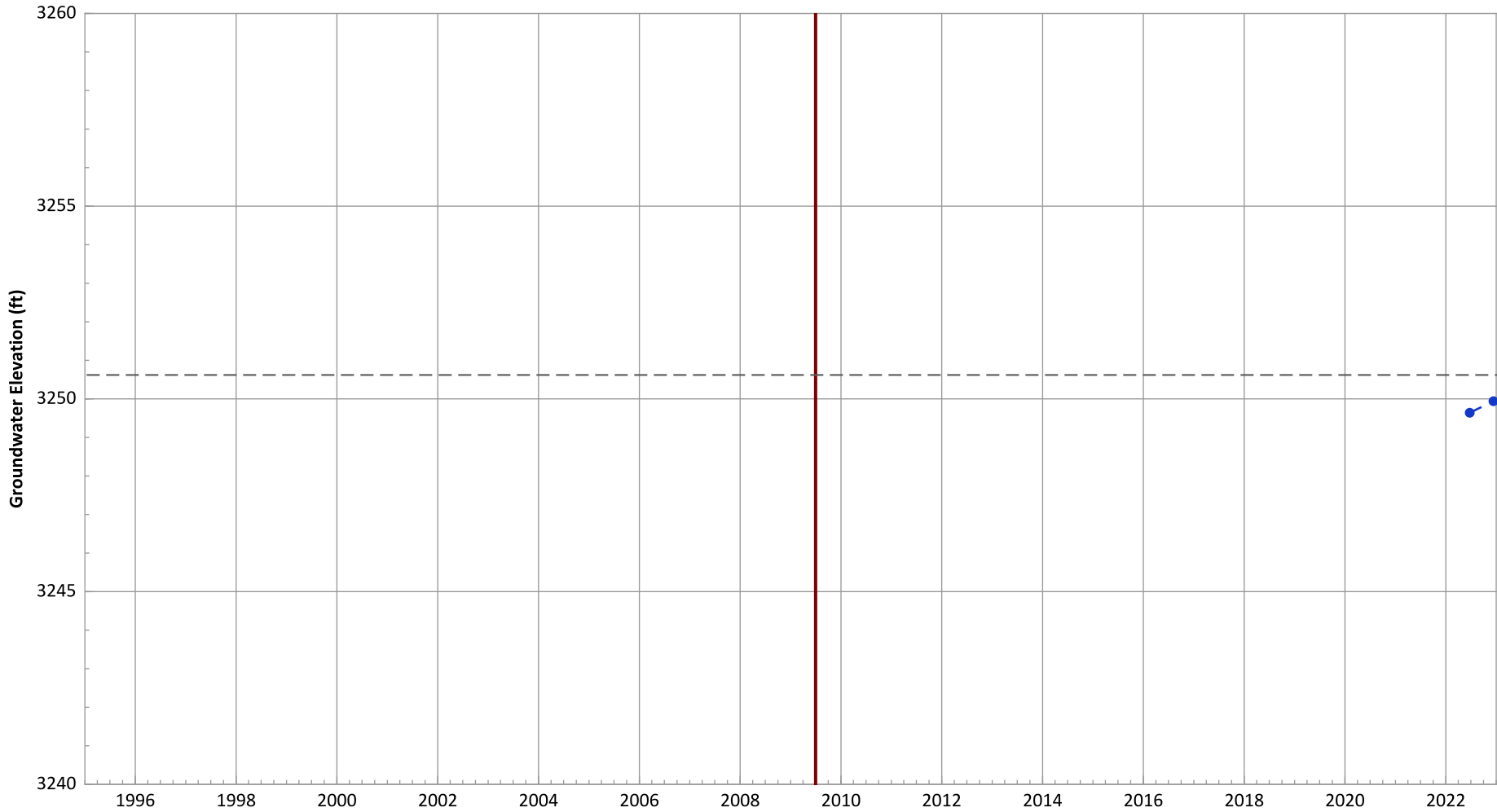
(MAROS Linear Regression Method)

All Data: No Trend

Data (1/2017 - 1/2021): N/A (<3 Measurements)



**PTX06-1212 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

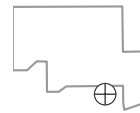


**Notes:**

1. Top of screen elevation is 3260.62 ft msl.
  2. The bottom of screen elevation is 3250.62 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

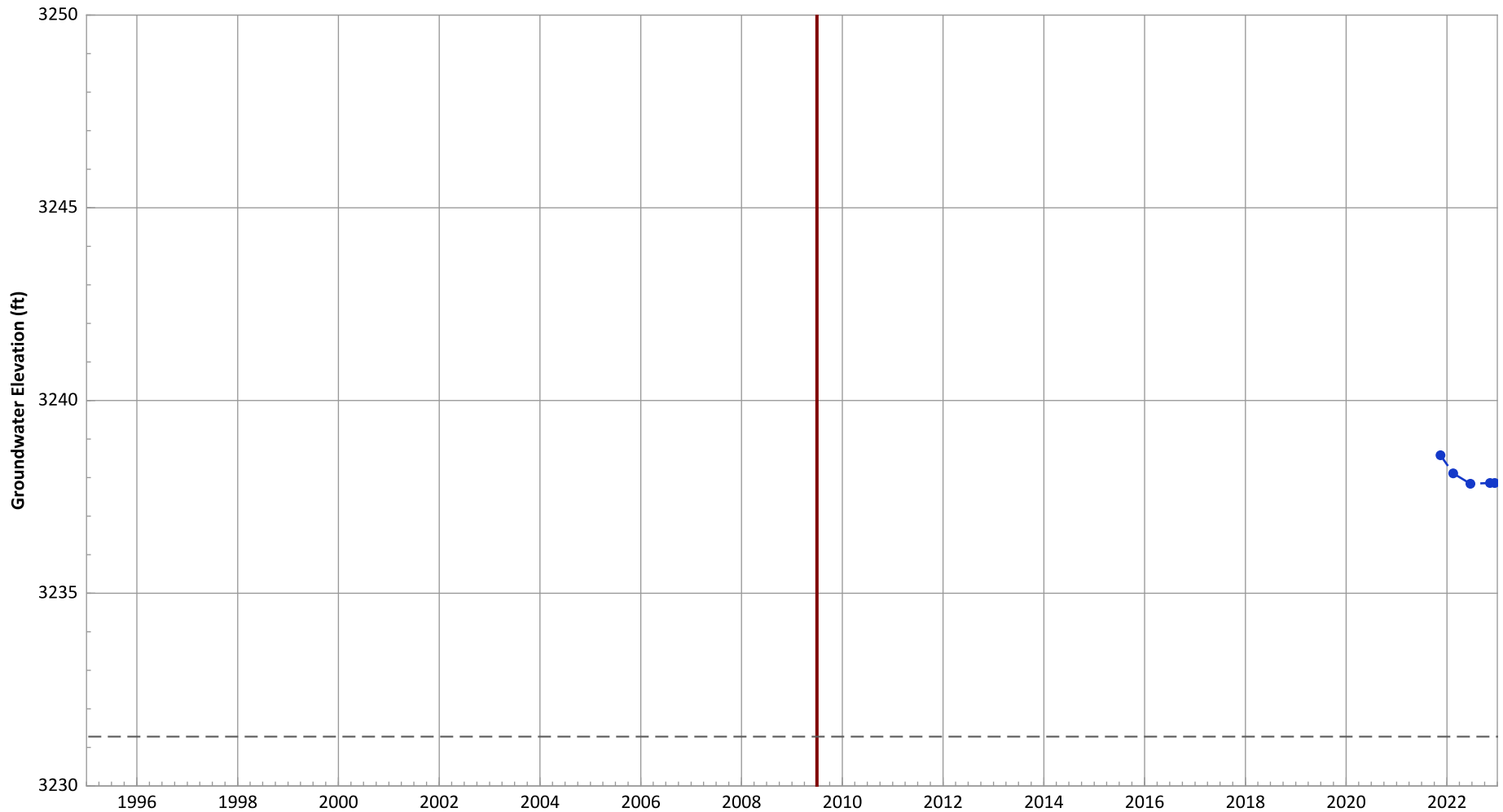
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1213 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

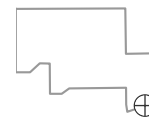


**Notes:**

1. Top of screen elevation is 3241.28 ft msl.
  2. The bottom of screen elevation is 3231.28 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

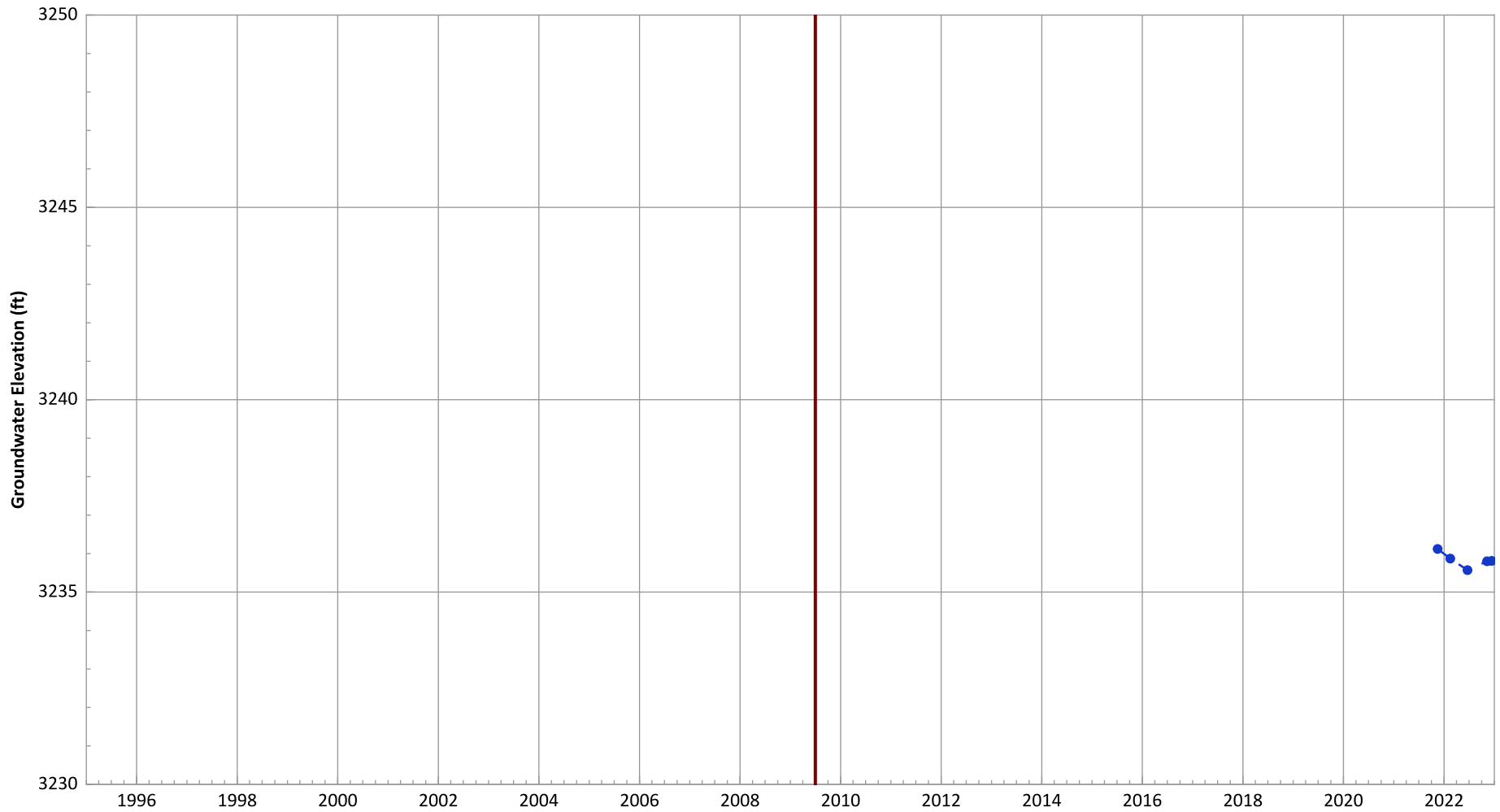
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.59 ft/yr  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

**PTX06-1214 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

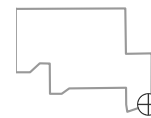


**Notes:**

1. Top of screen elevation is 3241.82 ft msl.
  2. The bottom of screen elevation is 3226.82 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

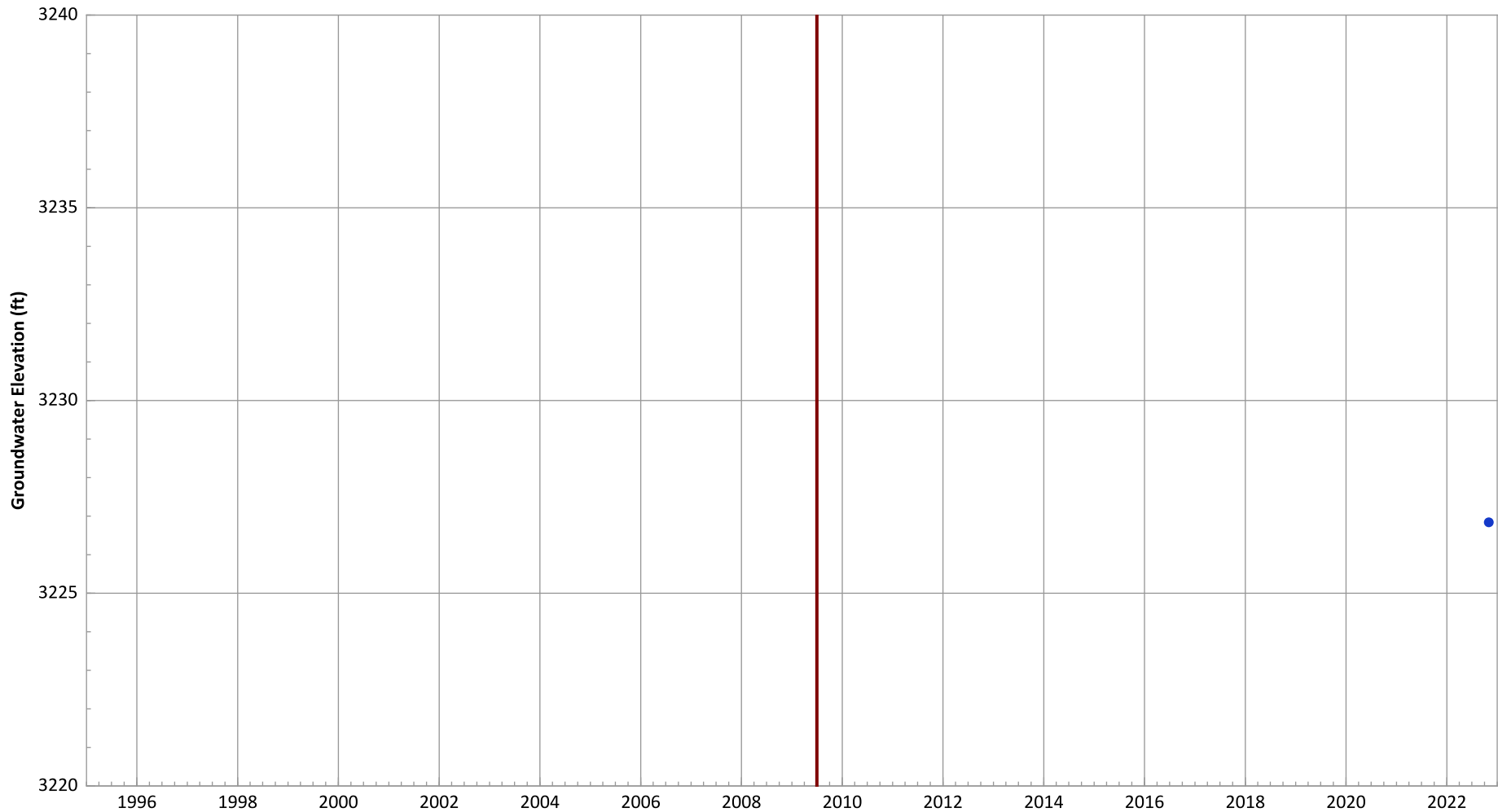
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.24 ft/yr  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

**PTX06-1215 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

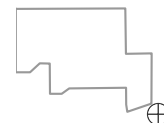


**Notes:**

1. Top of screen elevation is 3228.55 ft msl.
  2. The bottom of screen elevation is 3218.55 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

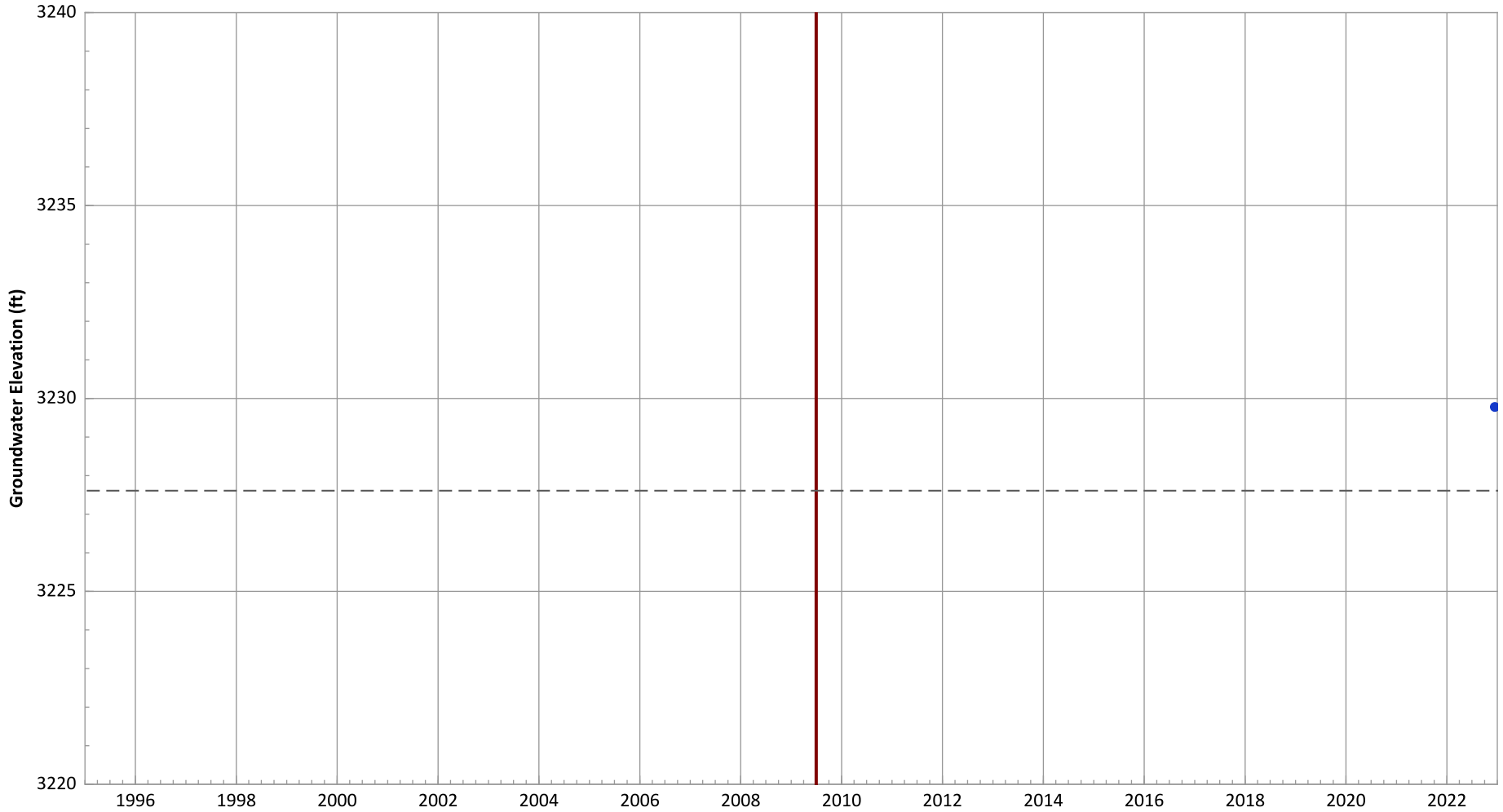
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1216 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

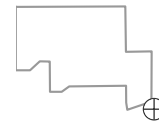


**Notes:**

1. Top of screen elevation is 3237.61 ft msl.
  2. The bottom of screen elevation is 3227.61 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

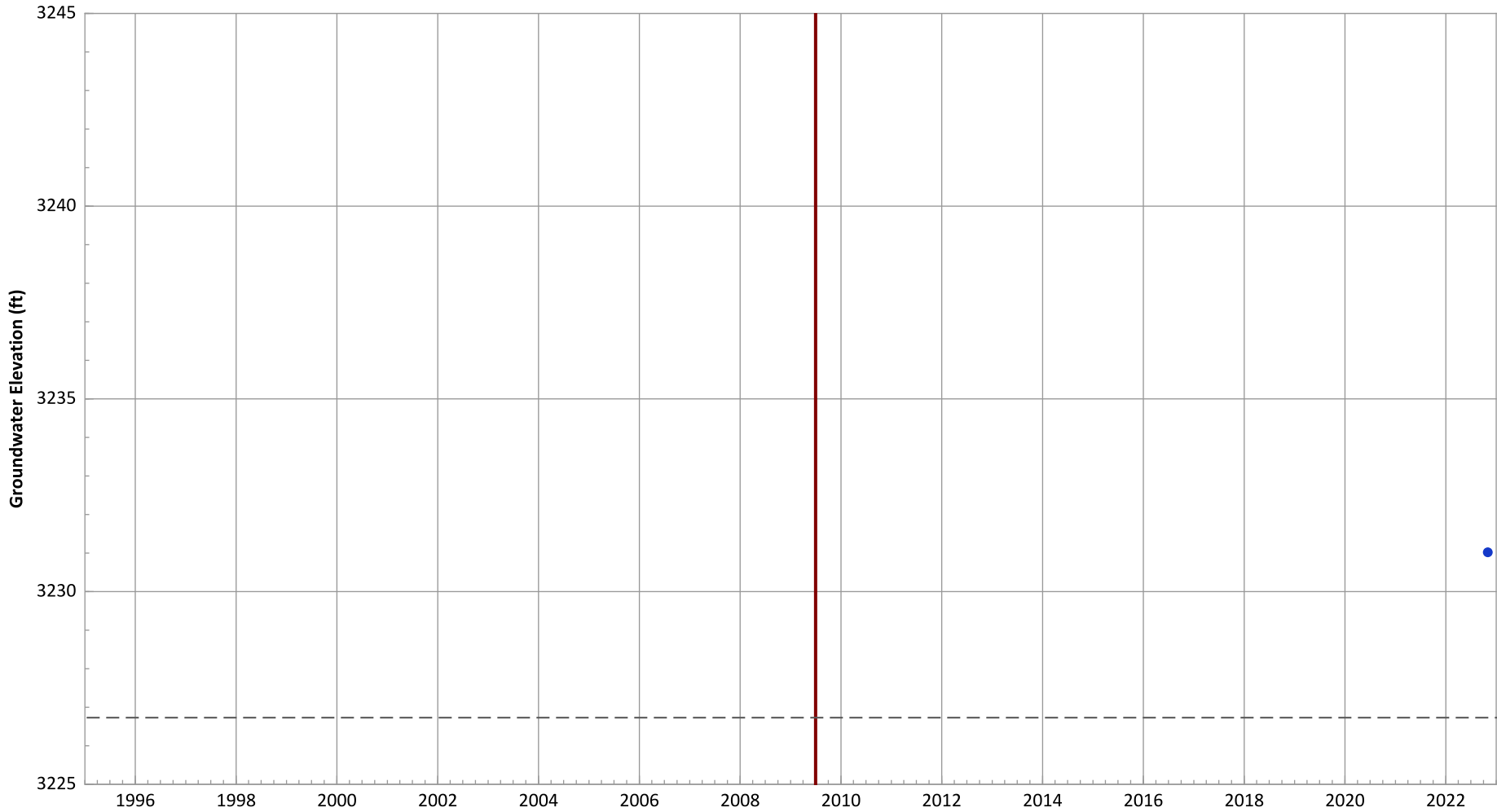
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1218 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3236.73 ft msl.
  2. The bottom of screen elevation is 3226.73 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

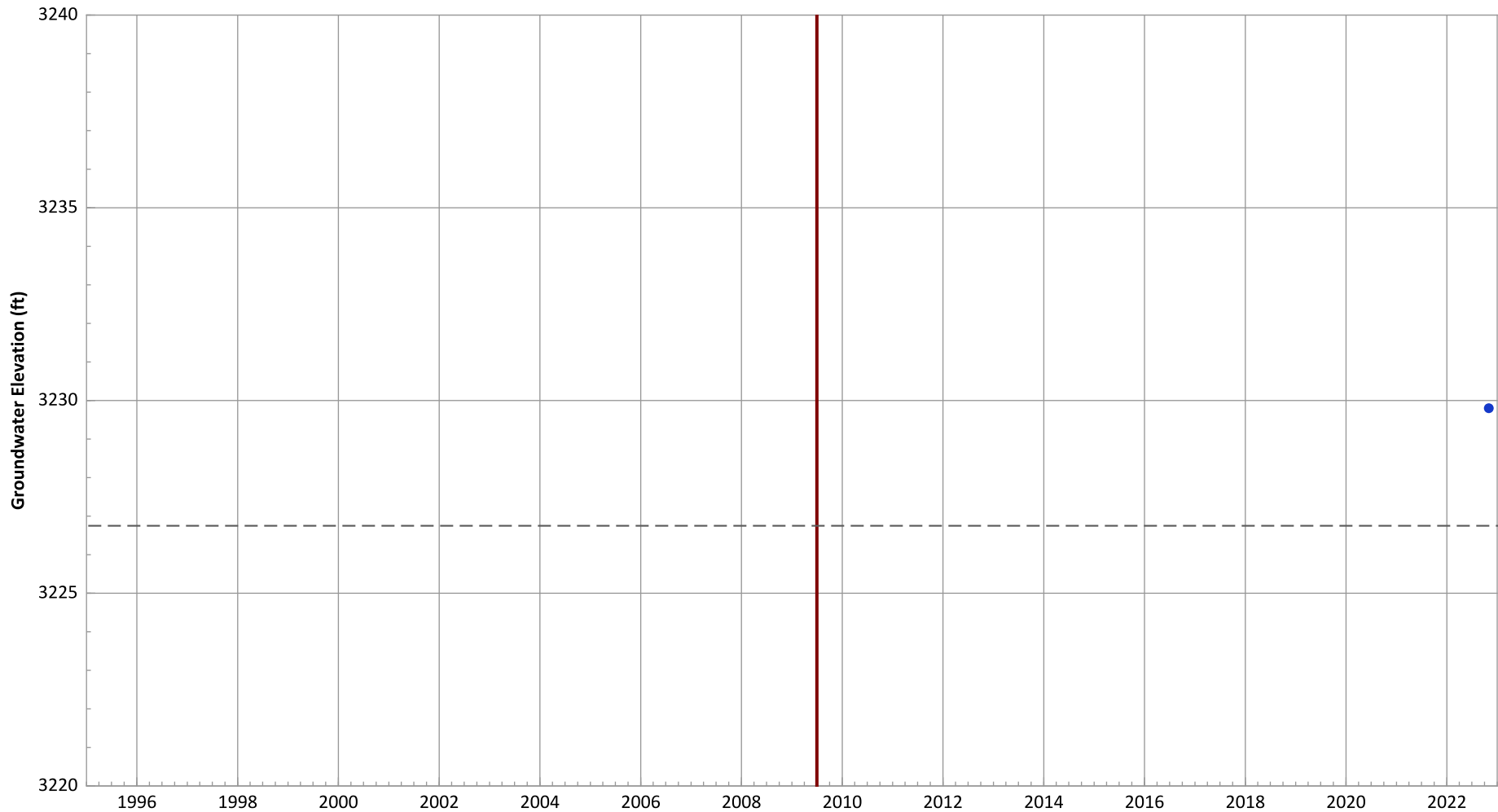
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-1219 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

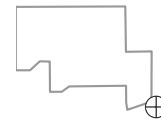


**Notes:**

1. Top of screen elevation is 3236.75 ft msl.
  2. The bottom of screen elevation is 3226.75 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

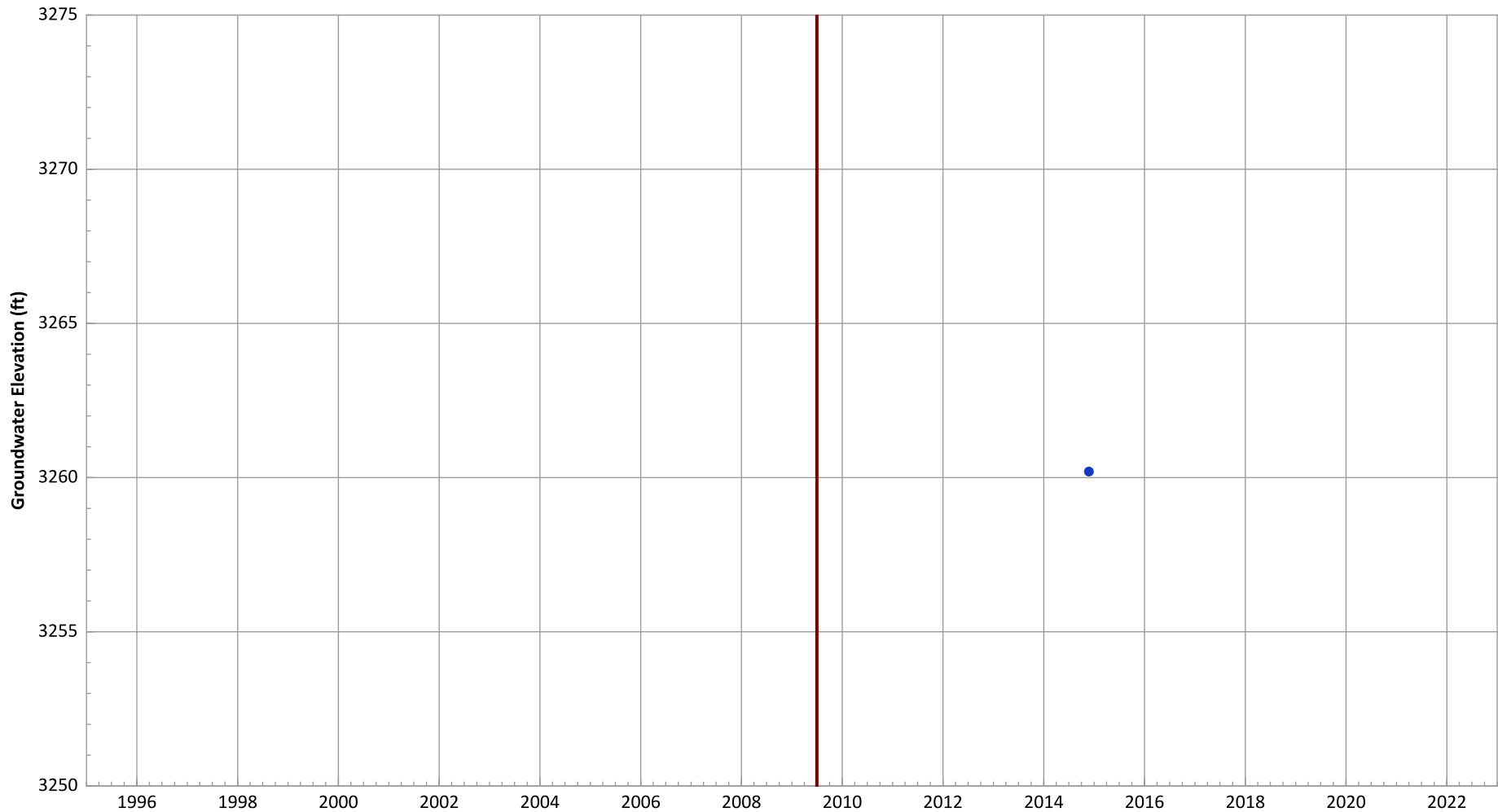
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

### PTX06-EW-26 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



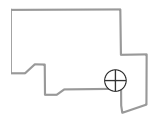
**Notes:**

- 1. Top of screen elevation is 3268.82 ft msl.
  - 2. The bottom of screen elevation is 3238.82 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**

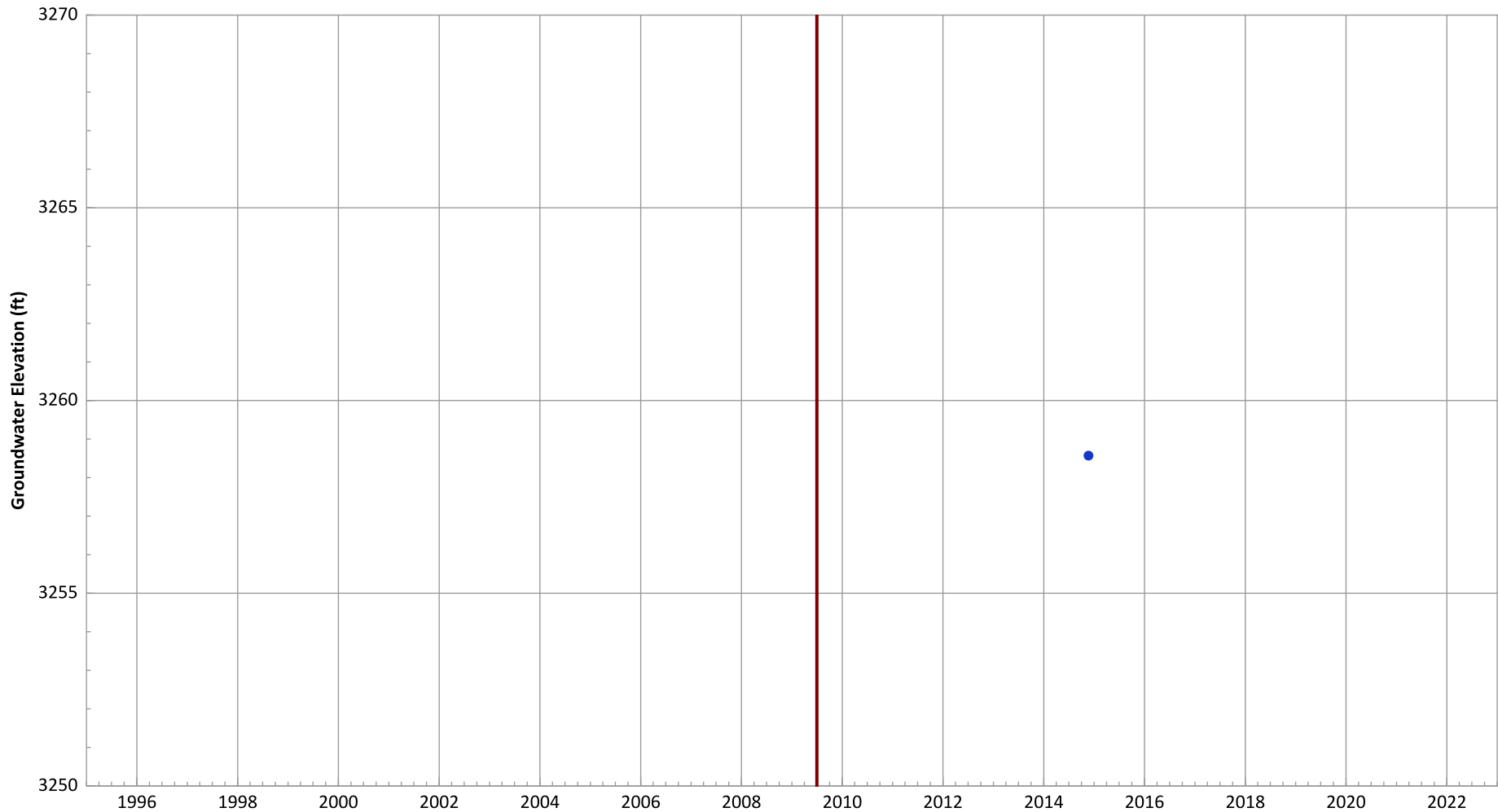


**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)



### PTX06-EW-36 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



**Notes:**

- 1. Top of screen elevation is 3272.62 ft msl.
  - 2. The bottom of screen elevation is 3242.62 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

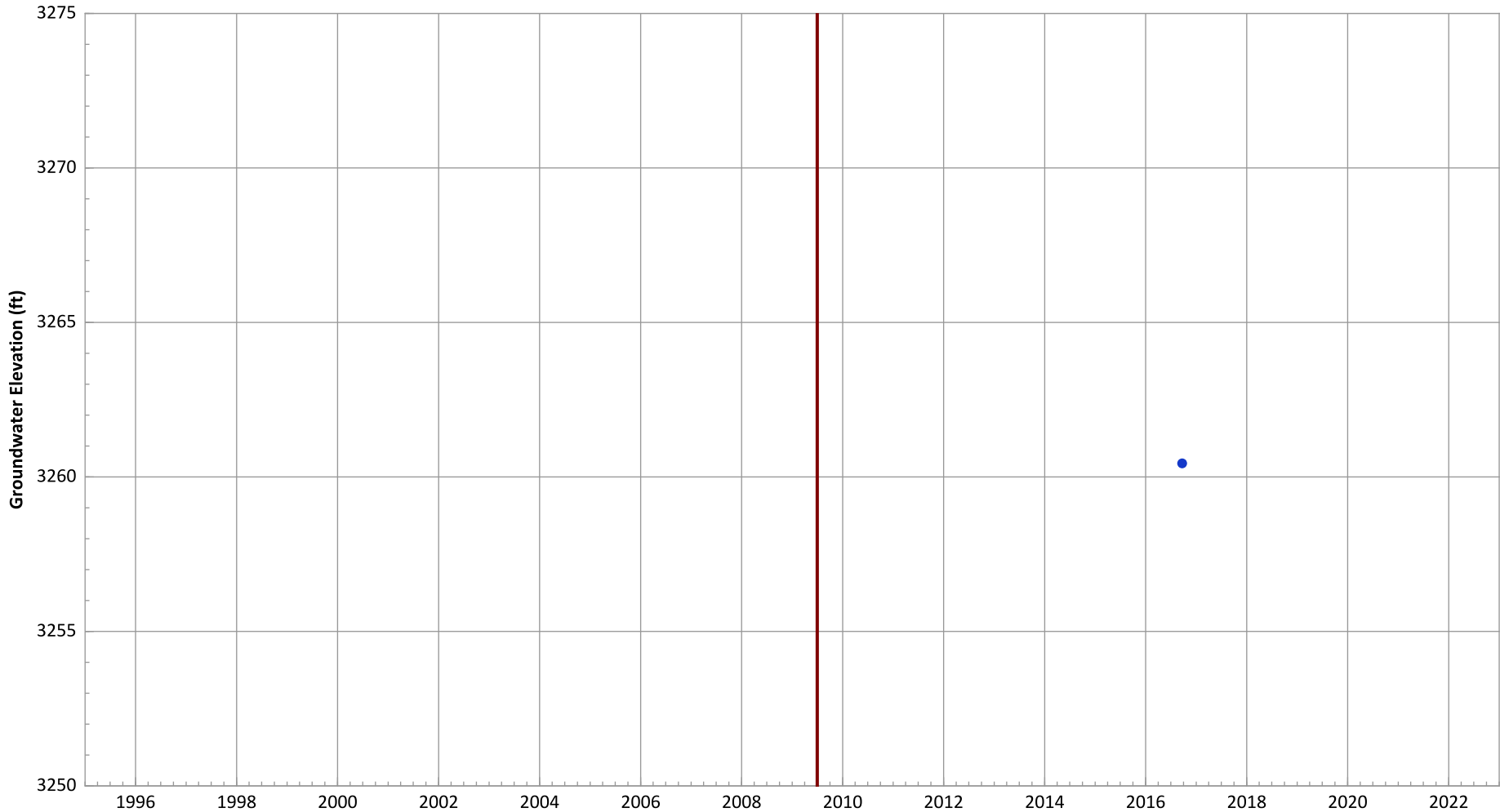
Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-EW-39 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



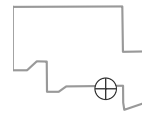
Notes:

- 1. Top of screen elevation is 3268.45 ft msl.
  - 2. The bottom of screen elevation is 3243.45 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



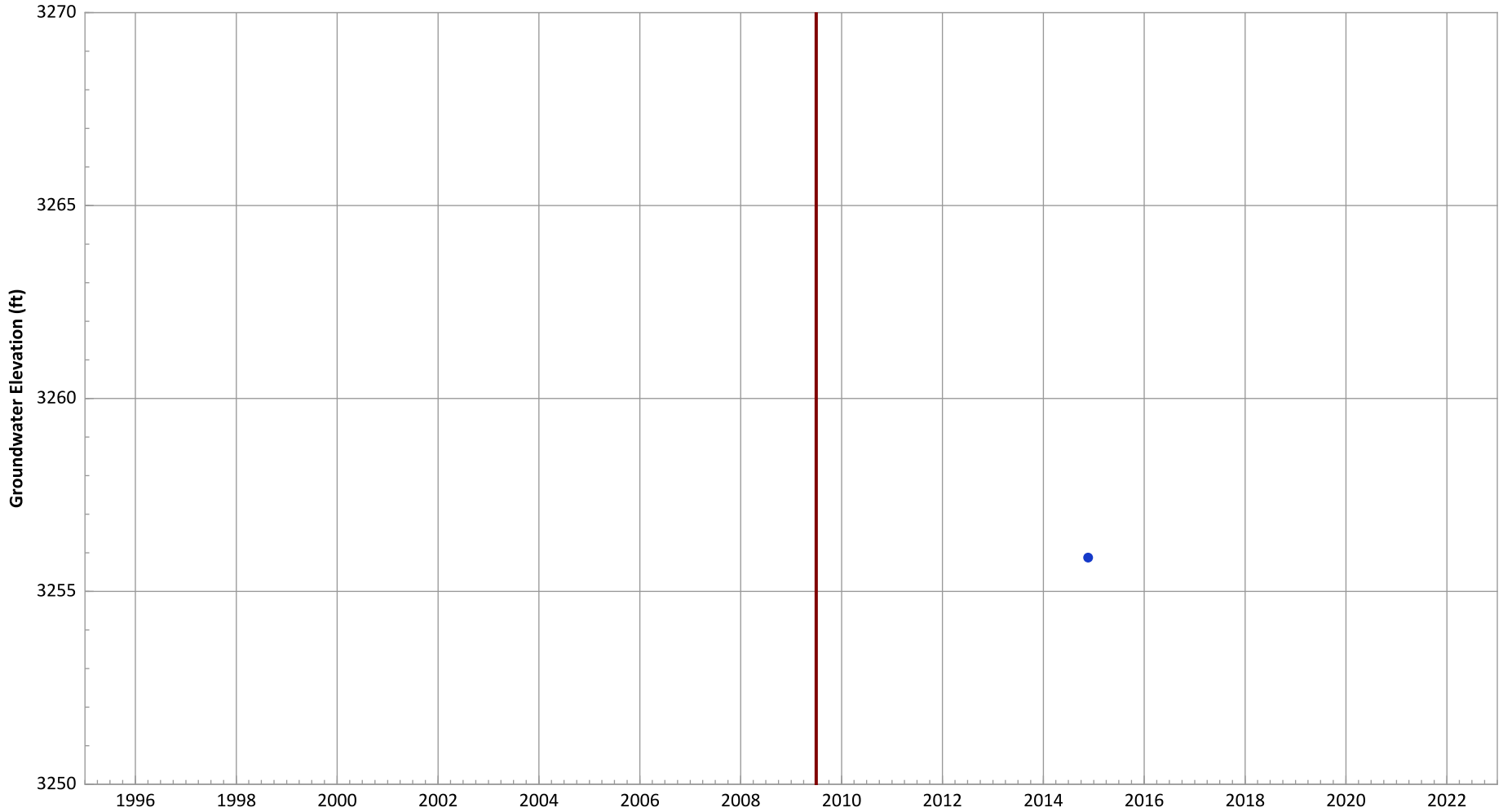
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-EW-49 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



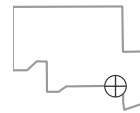
Notes:

1. Top of screen elevation is 3264.76 ft msl.
  2. The bottom of screen elevation is 3244.76 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- Groundwater Elevation
- Bottom of Screen Elevation
- Start of Remedial Action

Well Location



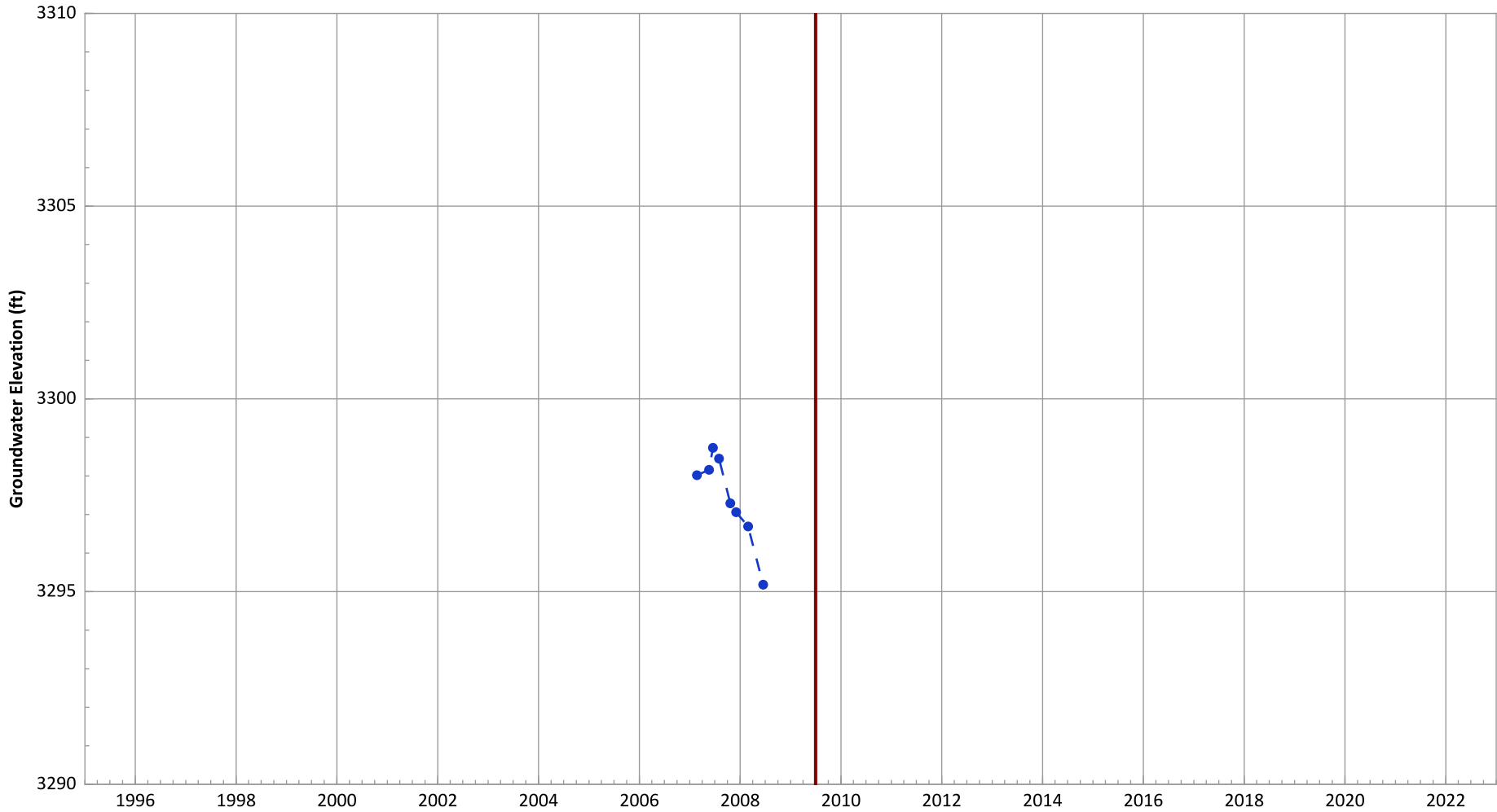
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-EW-70 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



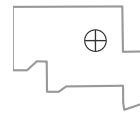
Notes:

1. Top of screen elevation is 3337.59 ft msl.
2. The bottom of screen elevation is 3267.59 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



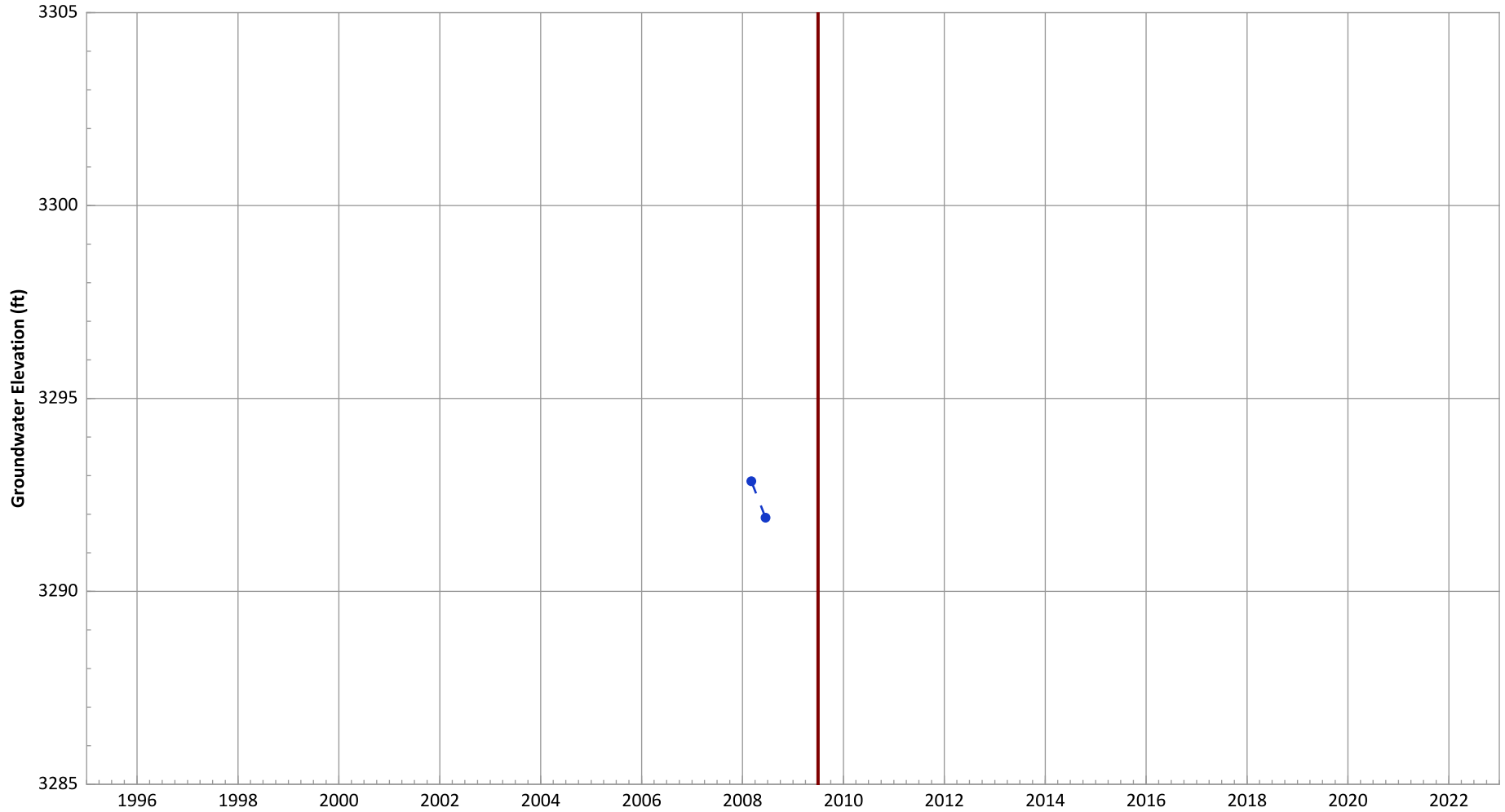
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: Decreasing at 2.39 ft/yr

Data (1/2017 - 1/2021): N/A (No Measurements)

### PTX06-EW-75 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



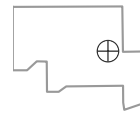
**Notes:**

- 1. Top of screen elevation is 3306.57 ft msl.
- 2. The bottom of screen elevation is 3256.57 ft msl.
- 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**



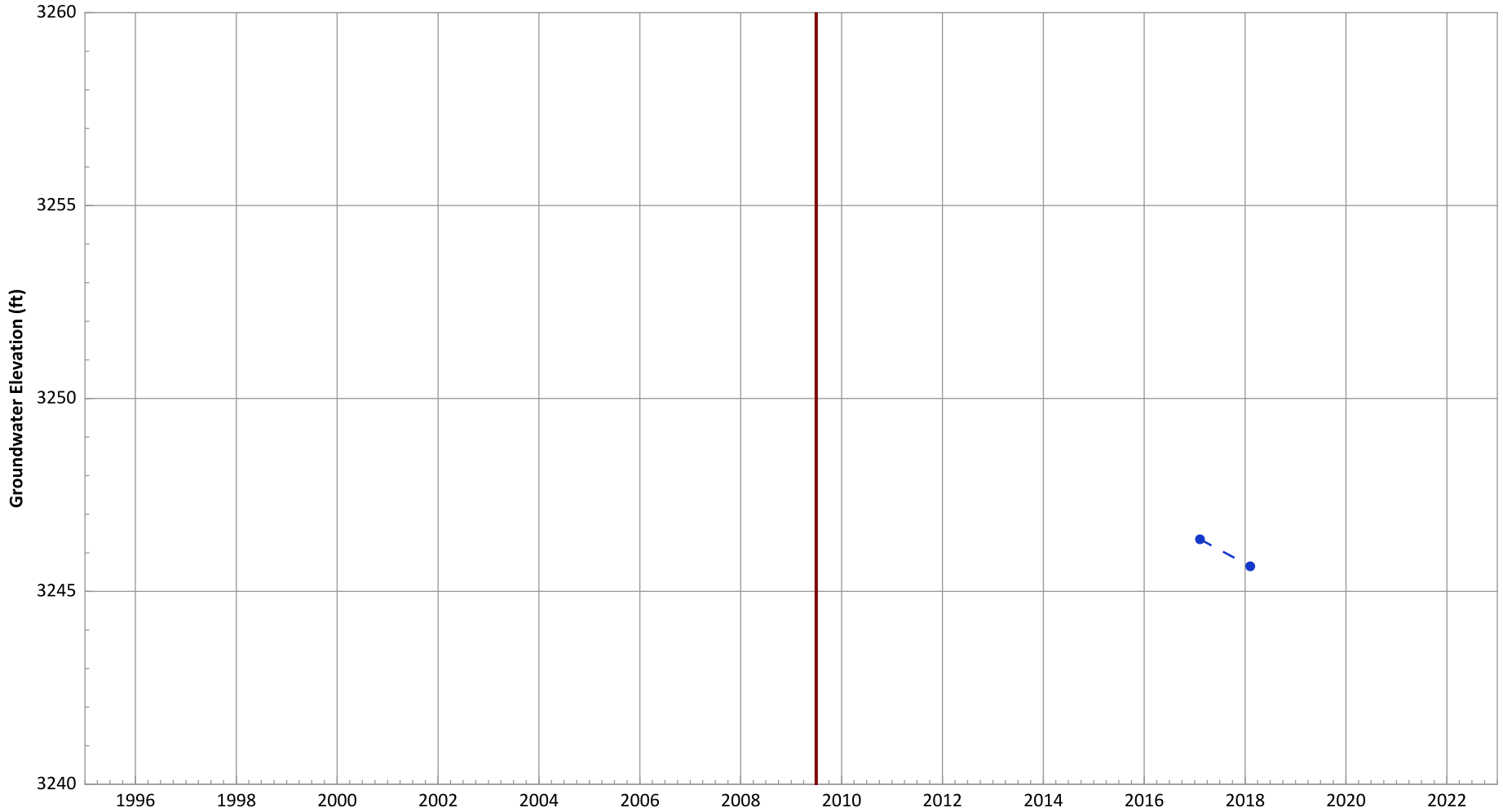
**Hydrograph Trend**

(MAROS Linear Regression Method)

All Data: N/A (<3 Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-EW-83 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



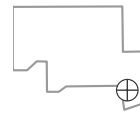
Notes:

1. Top of screen elevation is 3248.32 ft msl.
2. The bottom of screen elevation is 3233.32 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



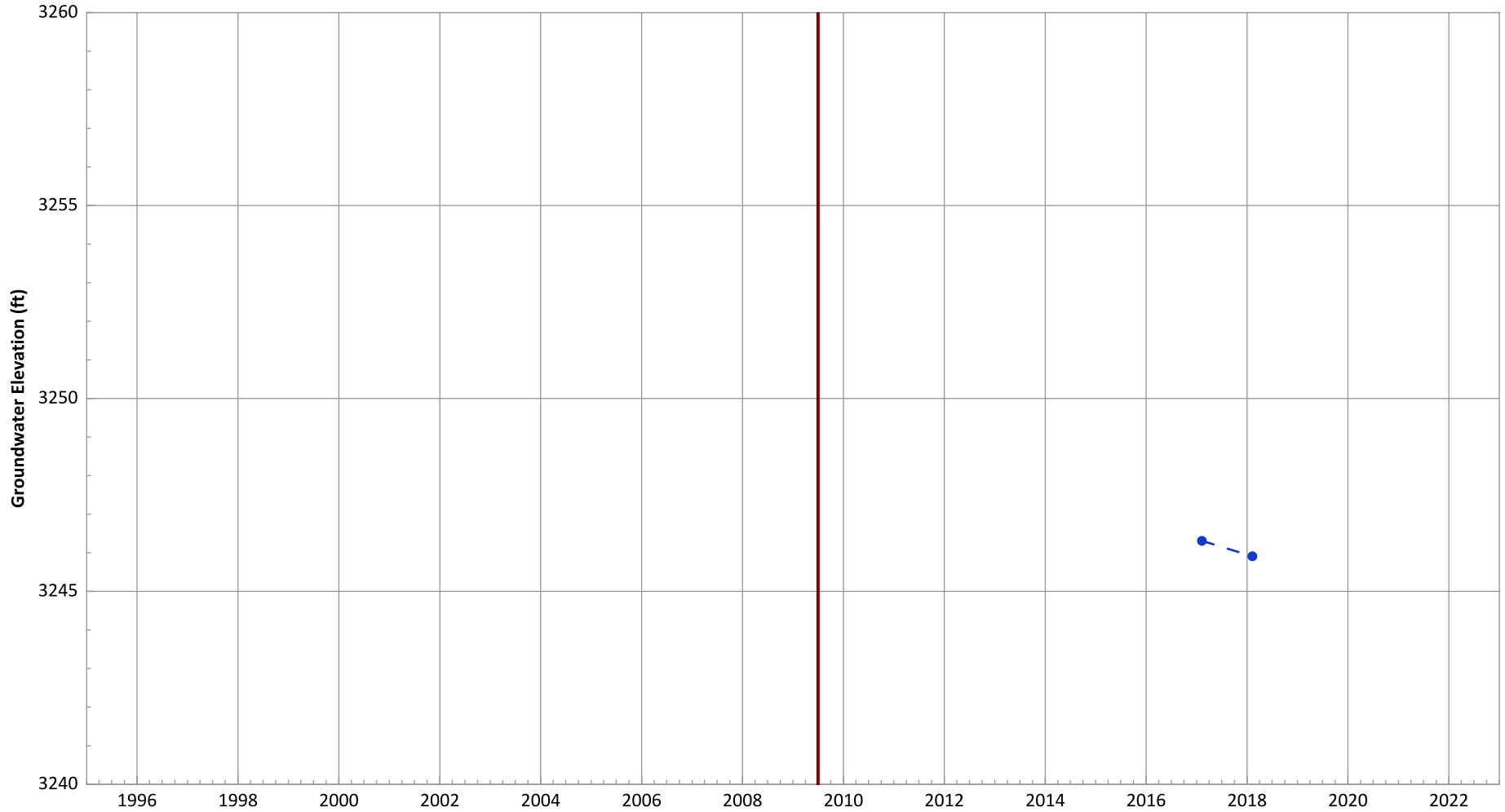
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (<3 Measurements)

Data (1/2017 - 1/2021): N/A (<3 Measurements)

### PTX06-EW-84 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



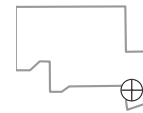
**Notes:**

- 1. Top of screen elevation is 3248.18 ft msl.
- 2. The bottom of screen elevation is 3233.18 ft msl.
- 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**



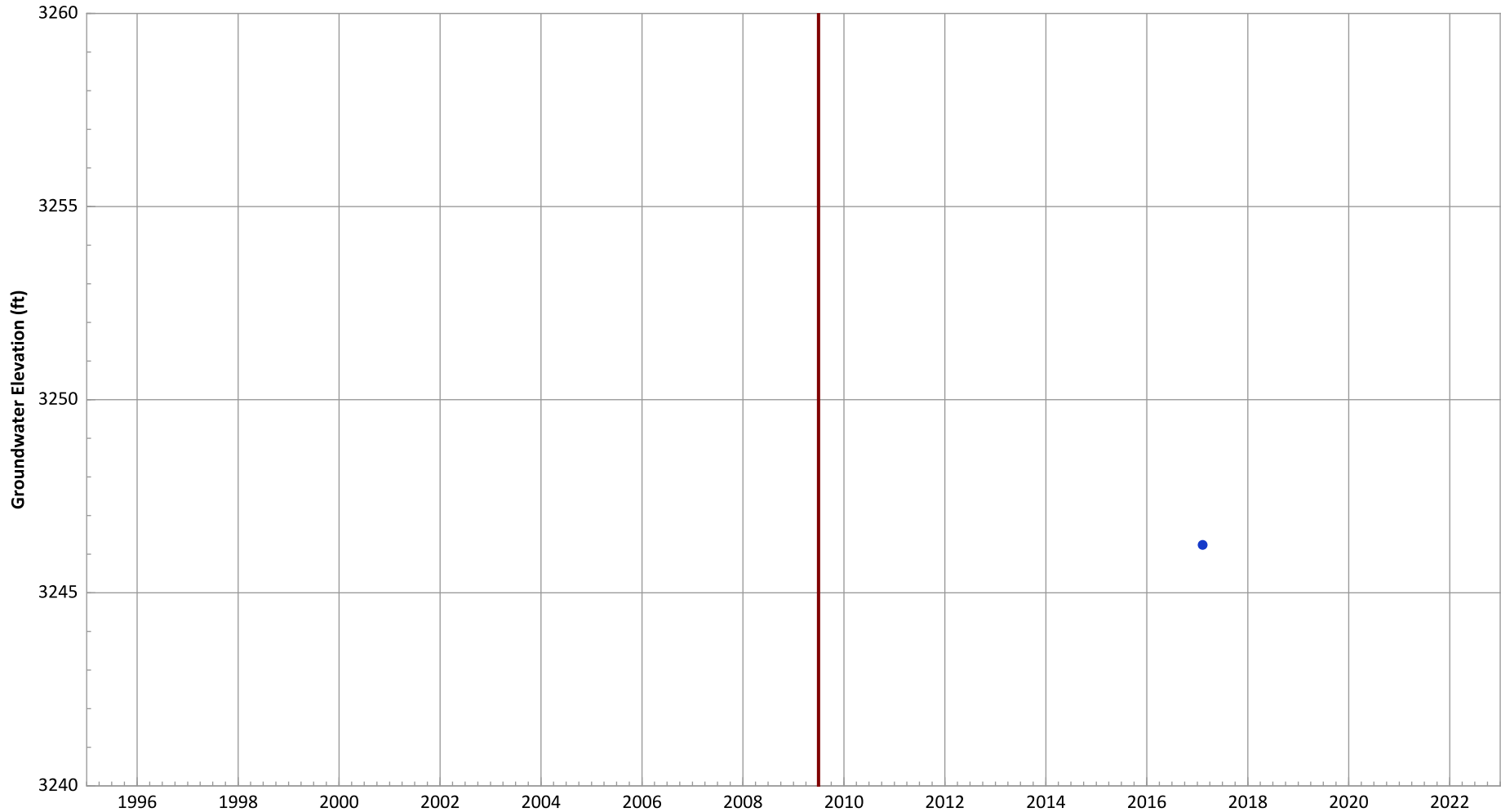
**Hydrograph Trend**

(MAROS Linear Regression Method)

All Data: N/A (<3 Measurements)

Data (1/2017 - 1/2021): N/A (<3 Measurements)

### PTX06-EW-85 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



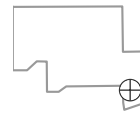
**Notes:**

- 1. Top of screen elevation is 3253.95 ft msl.
  - 2. The bottom of screen elevation is 3233.95 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**

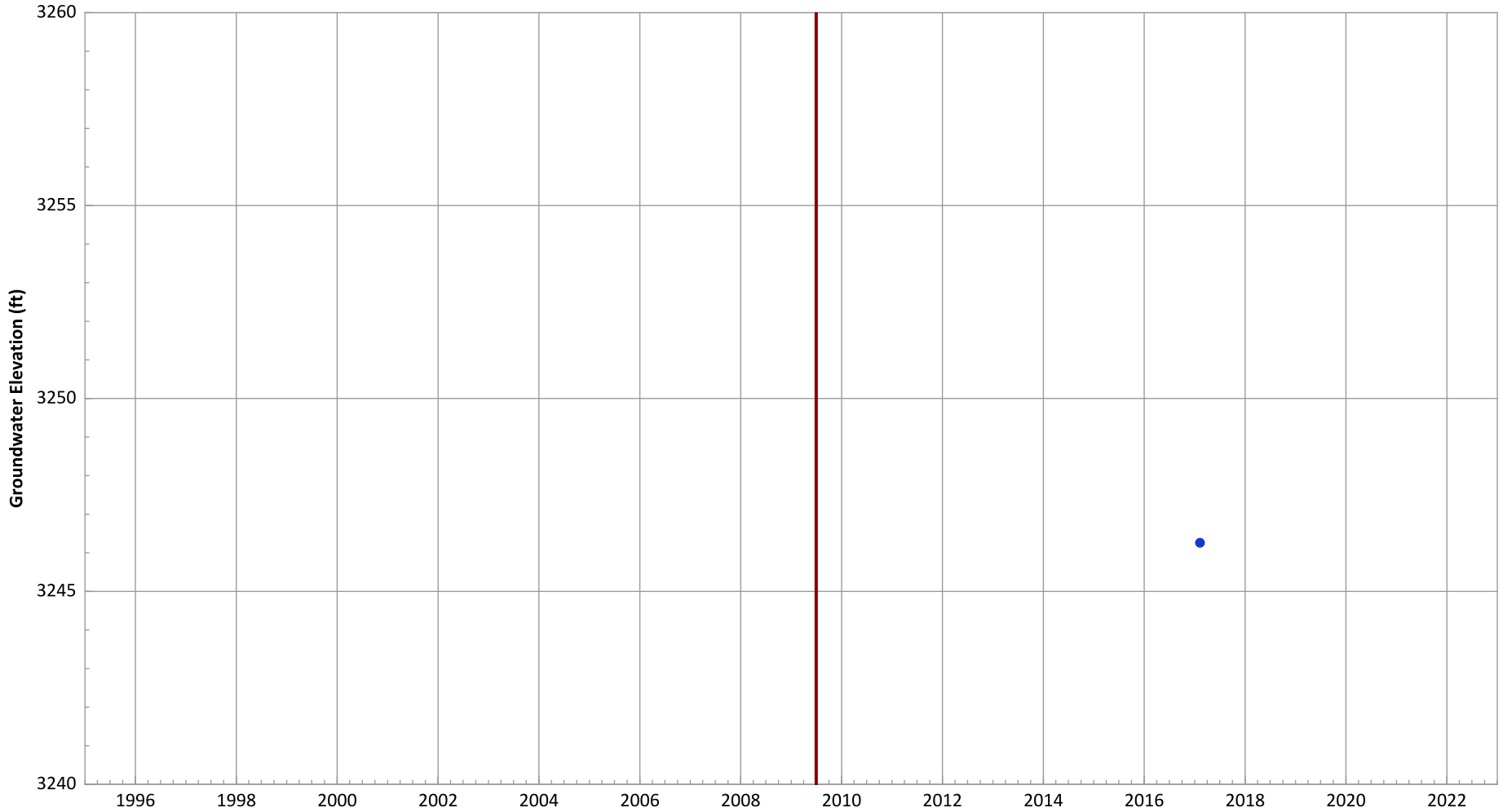


**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-EW-86 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



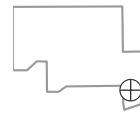
Notes:

1. Top of screen elevation is 3253.71 ft msl.
2. The bottom of screen elevation is 3233.71 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



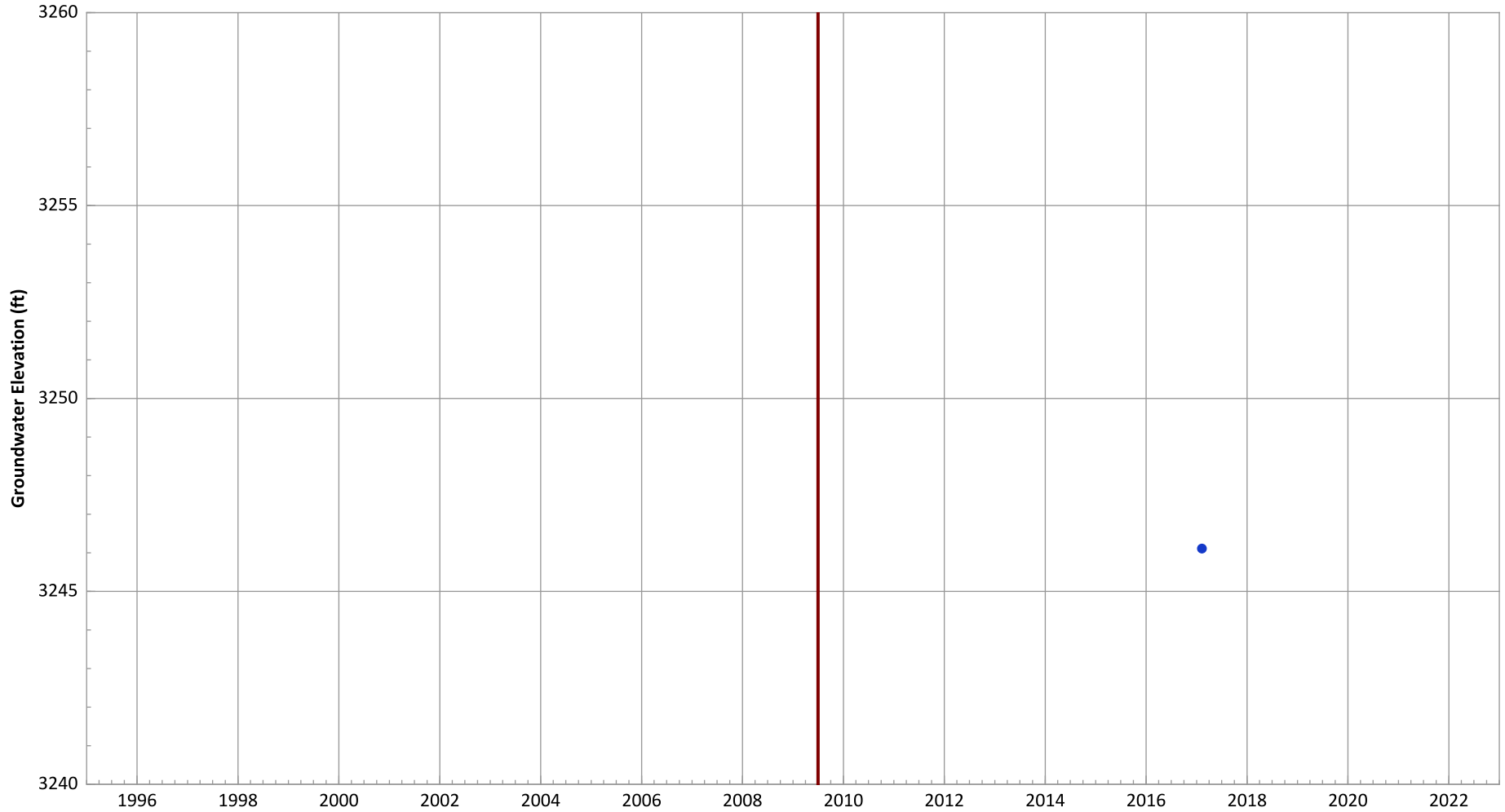
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

### PTX06-EW-87 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



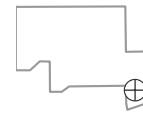
**Notes:**

- 1. Top of screen elevation is 3246.71 ft msl.
- 2. The bottom of screen elevation is 3231.71 ft msl.
- 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**



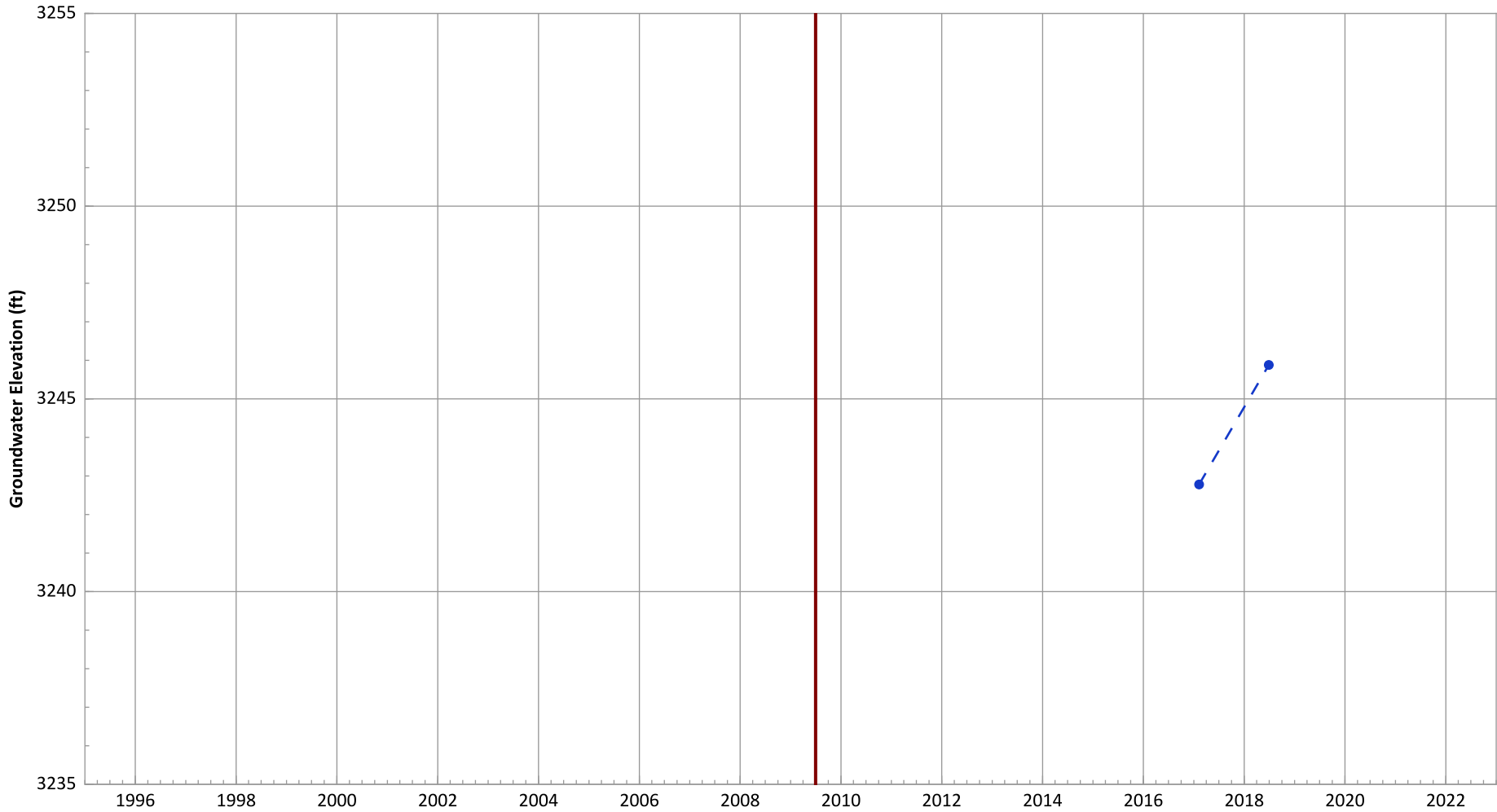
**Hydrograph Trend**

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-EW-88 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

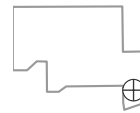


**Notes:**

1. Top of screen elevation is 3246.46 ft msl.
  2. The bottom of screen elevation is 3231.46 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

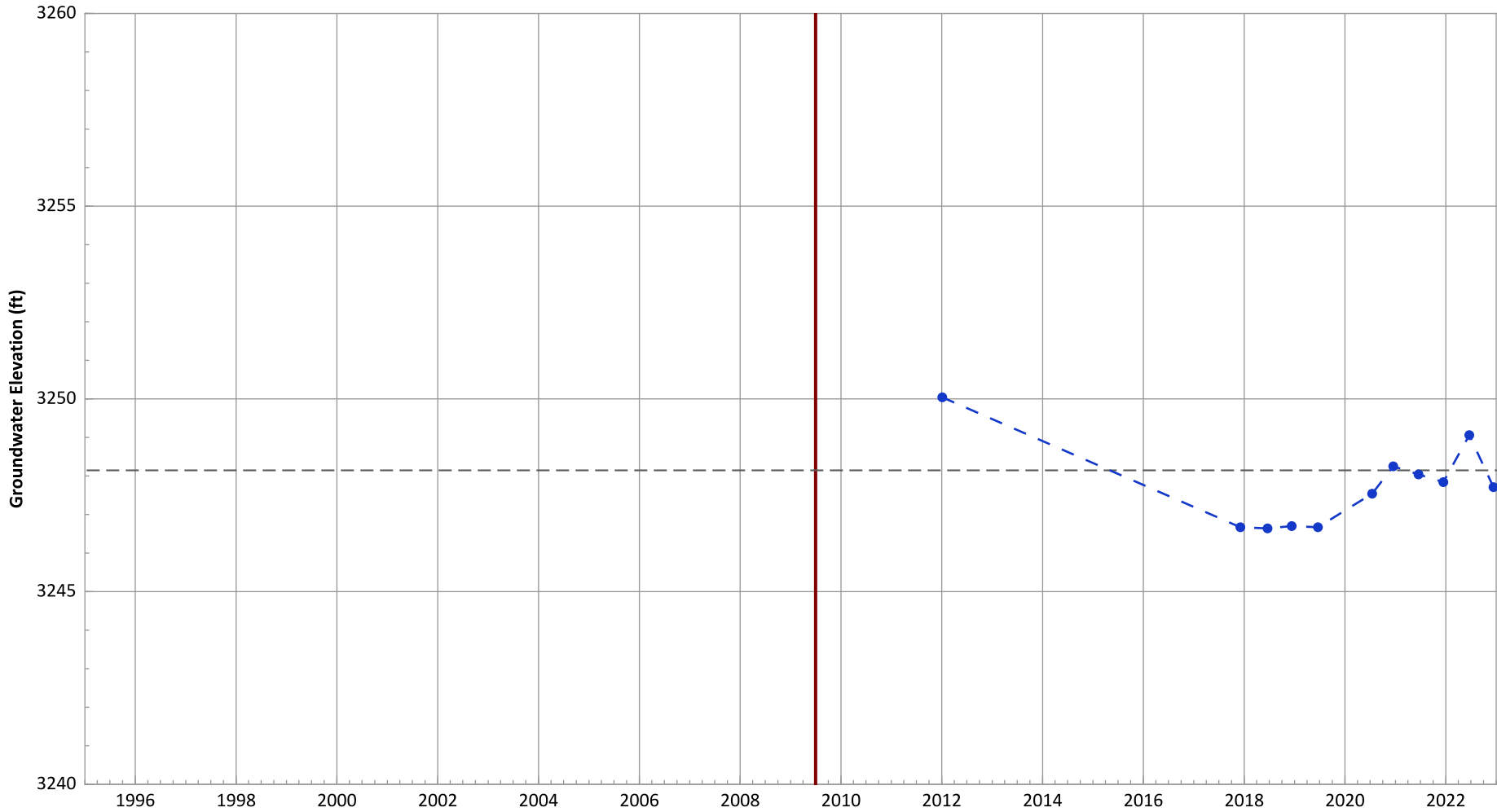
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (<3 Measurements)  
 Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB010 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

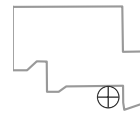


Notes:

1. Top of screen elevation is 3258.15 ft msl.
  2. The bottom of screen elevation is 3248.15 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

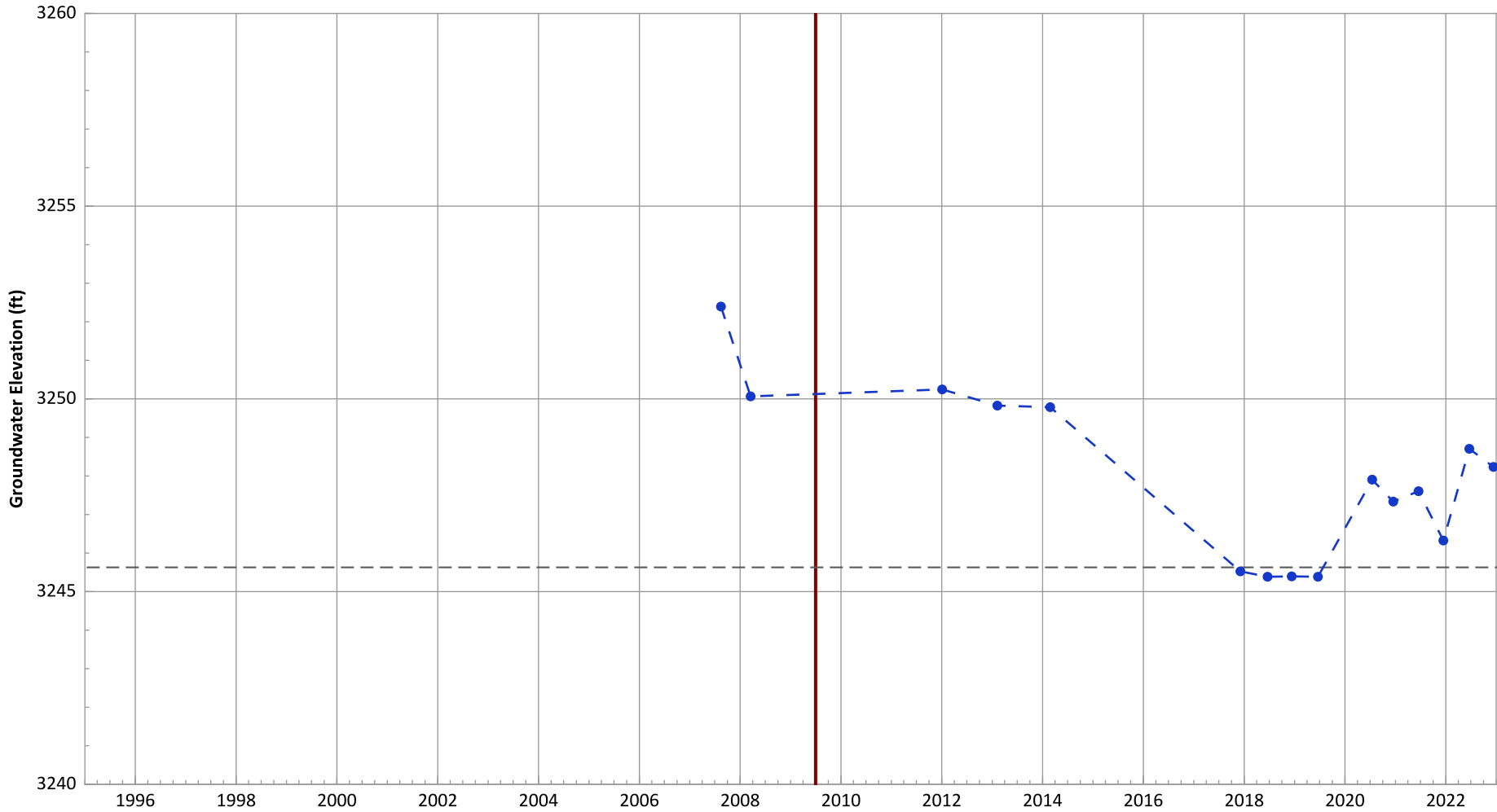
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.42 ft/yr

PTX06-ISB011 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

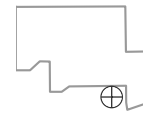


Notes:

1. Top of screen elevation is 3255.63 ft msl.
  2. The bottom of screen elevation is 3245.63 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

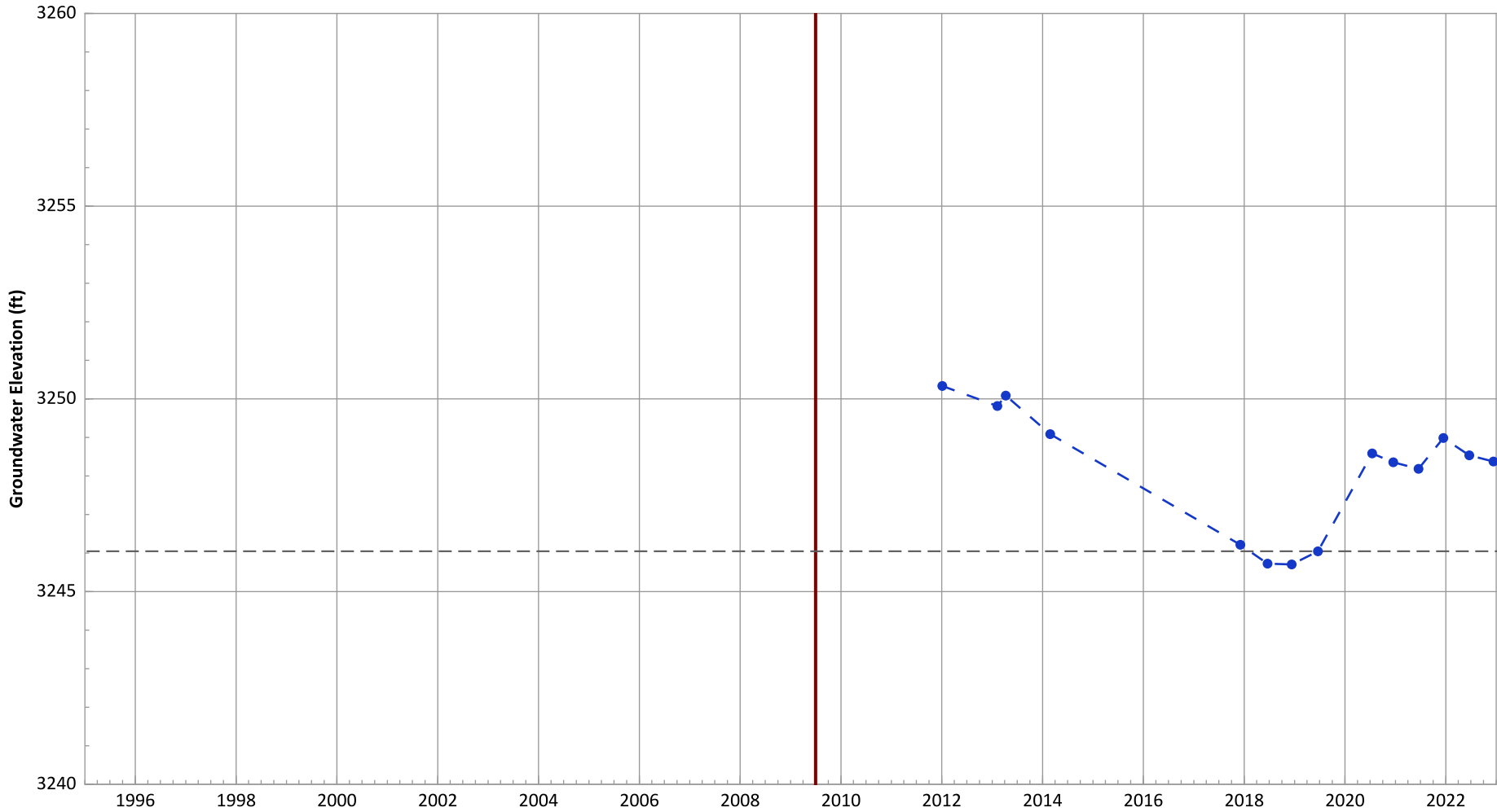
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.3 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.54 ft/yr

PTX06-ISB012 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

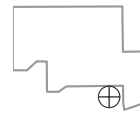


Notes:

1. Top of screen elevation is 3256.05 ft msl.
  2. The bottom of screen elevation is 3246.05 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

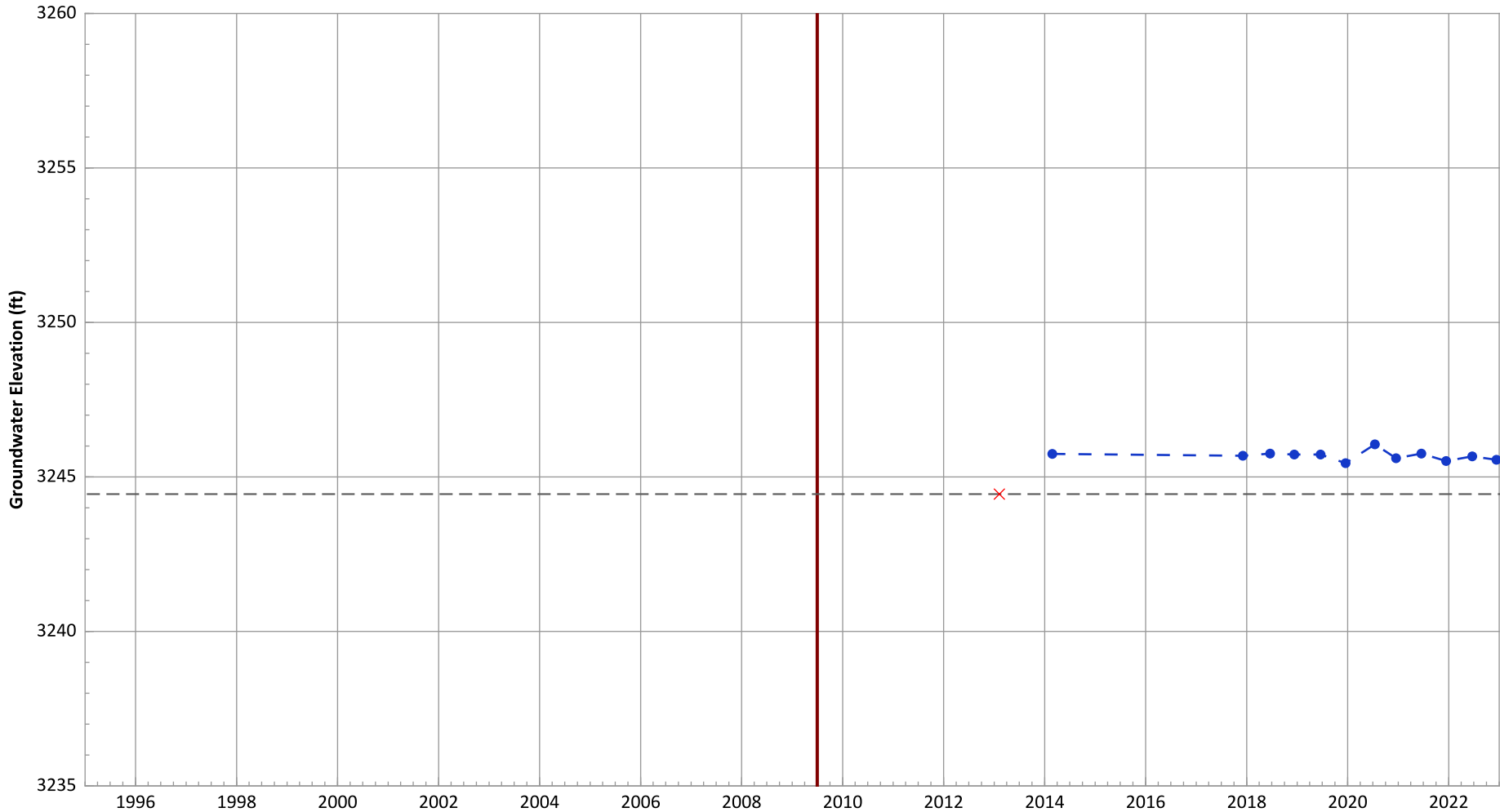
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.17 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.87 ft/yr

PTX06-ISB013 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



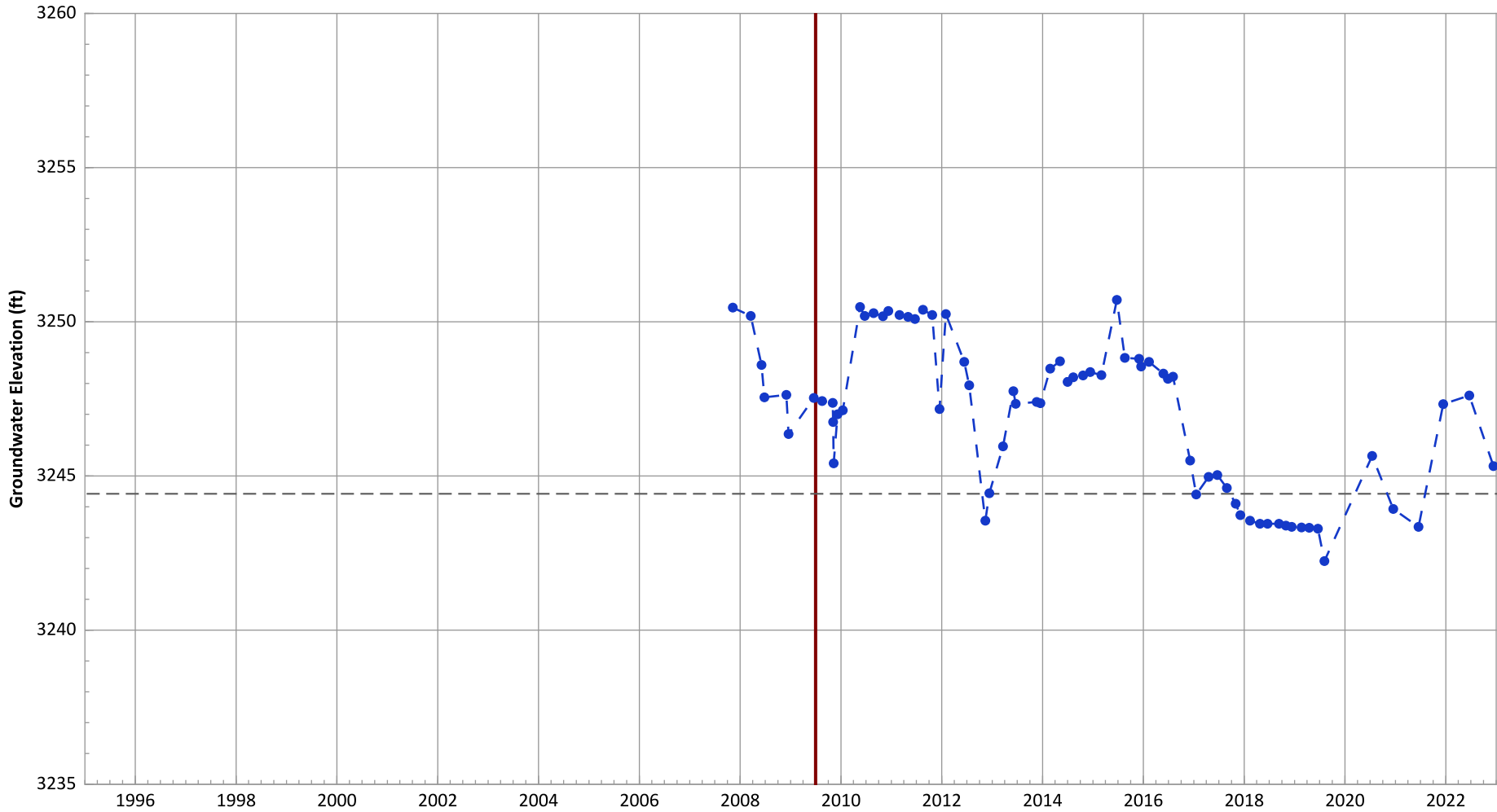
Notes:  
 1. Top of screen elevation is 3254.44 ft msl.  
 2. The bottom of screen elevation is 3244.44 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB014 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

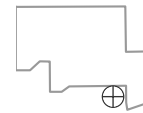


Notes:

1. Top of screen elevation is 3254.42 ft msl.
  2. The bottom of screen elevation is 3244.42 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location

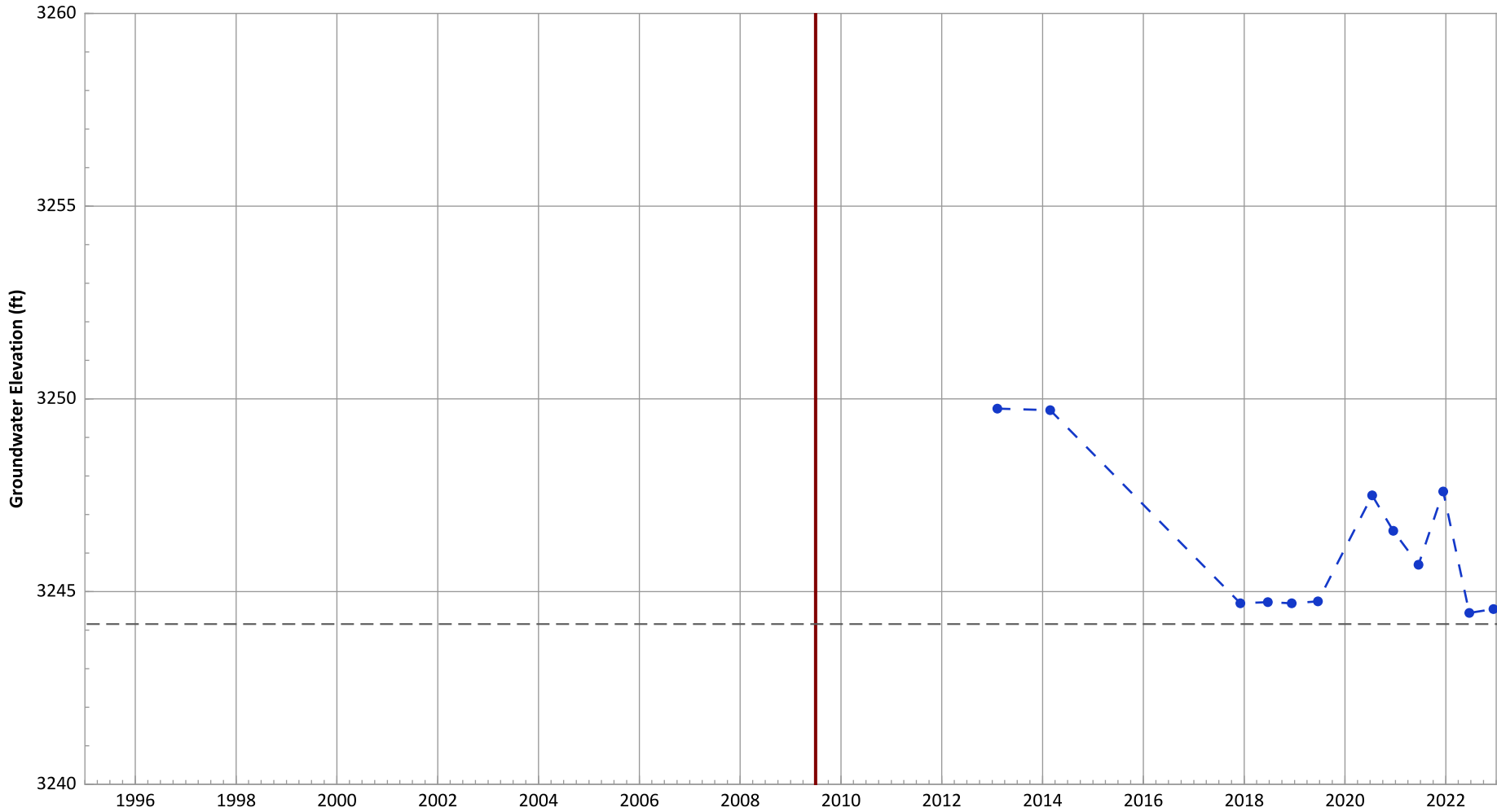


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.38 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.16 ft/yr



PTX06-ISB015 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



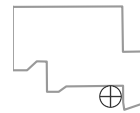
Notes:

1. Top of screen elevation is 3254.16 ft msl.
2. The bottom of screen elevation is 3244.16 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- - - ● - - - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



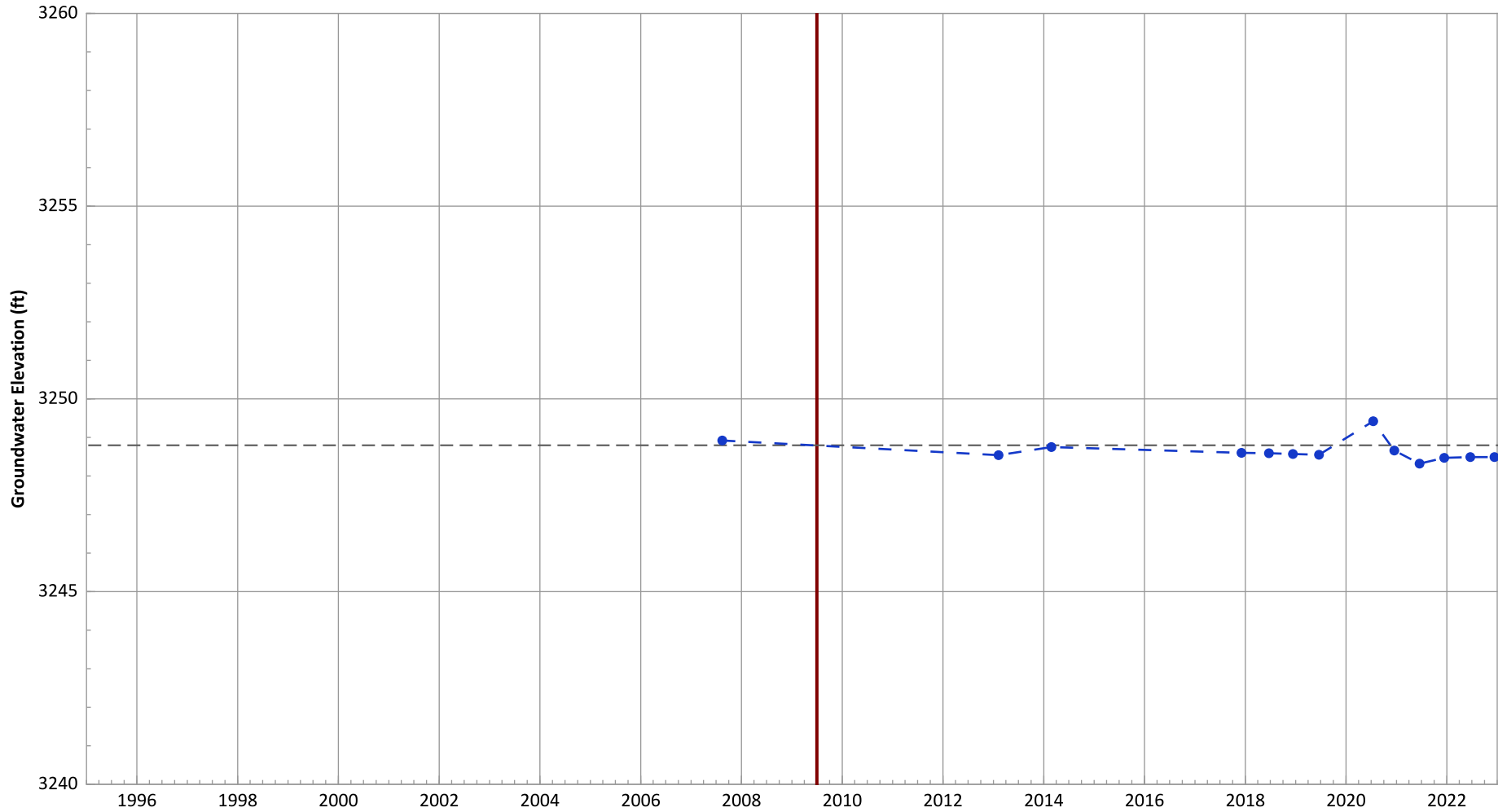
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: Decreasing at 0.4 ft/yr

Data (1/2017 - 1/2021): Increasing at 0.7 ft/yr

PTX06-ISB016 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

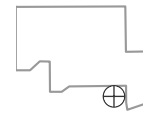


Notes:

1. Top of screen elevation is 3258.8 ft msl.
  2. The bottom of screen elevation is 3248.8 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

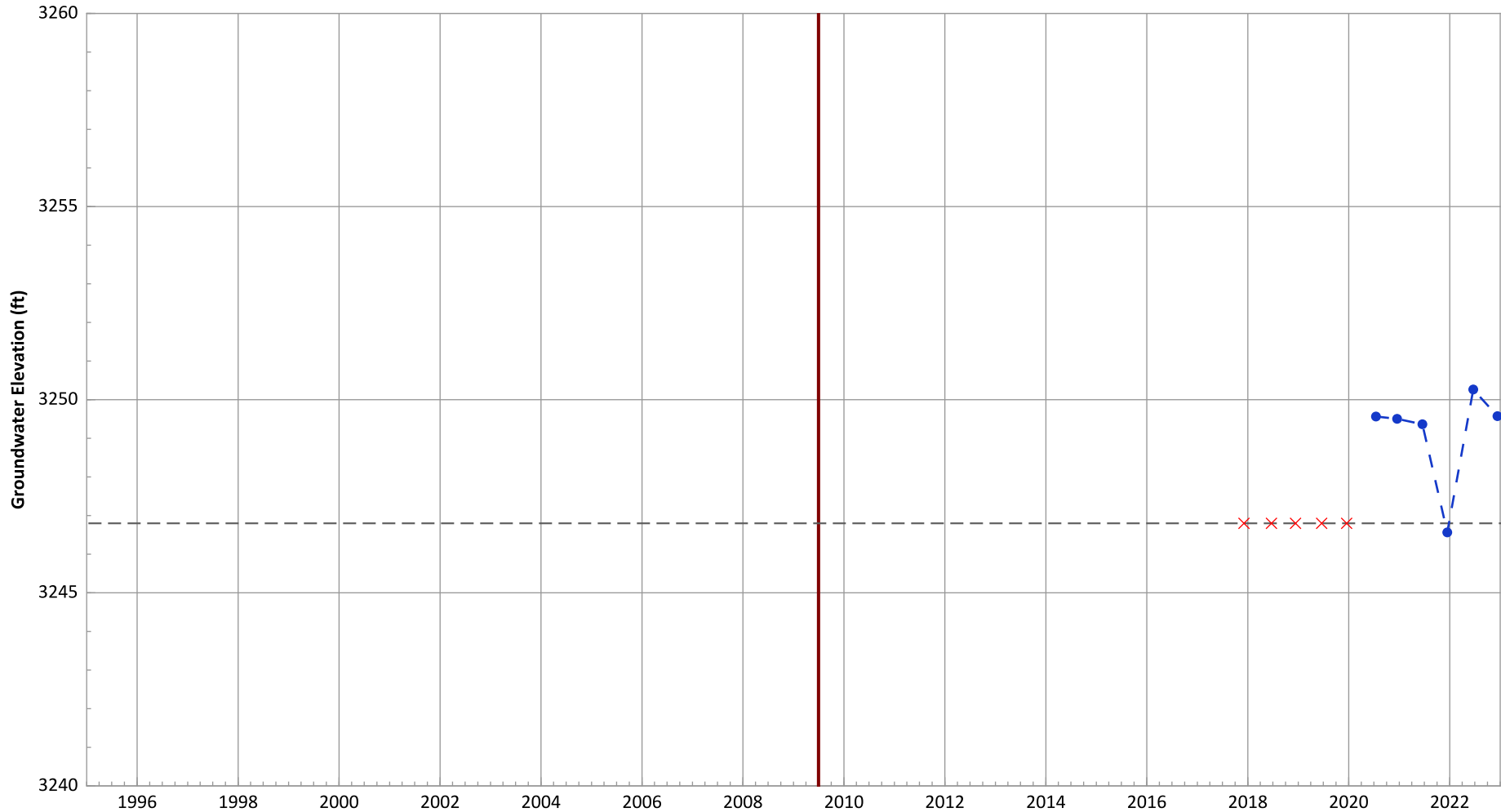
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB017 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



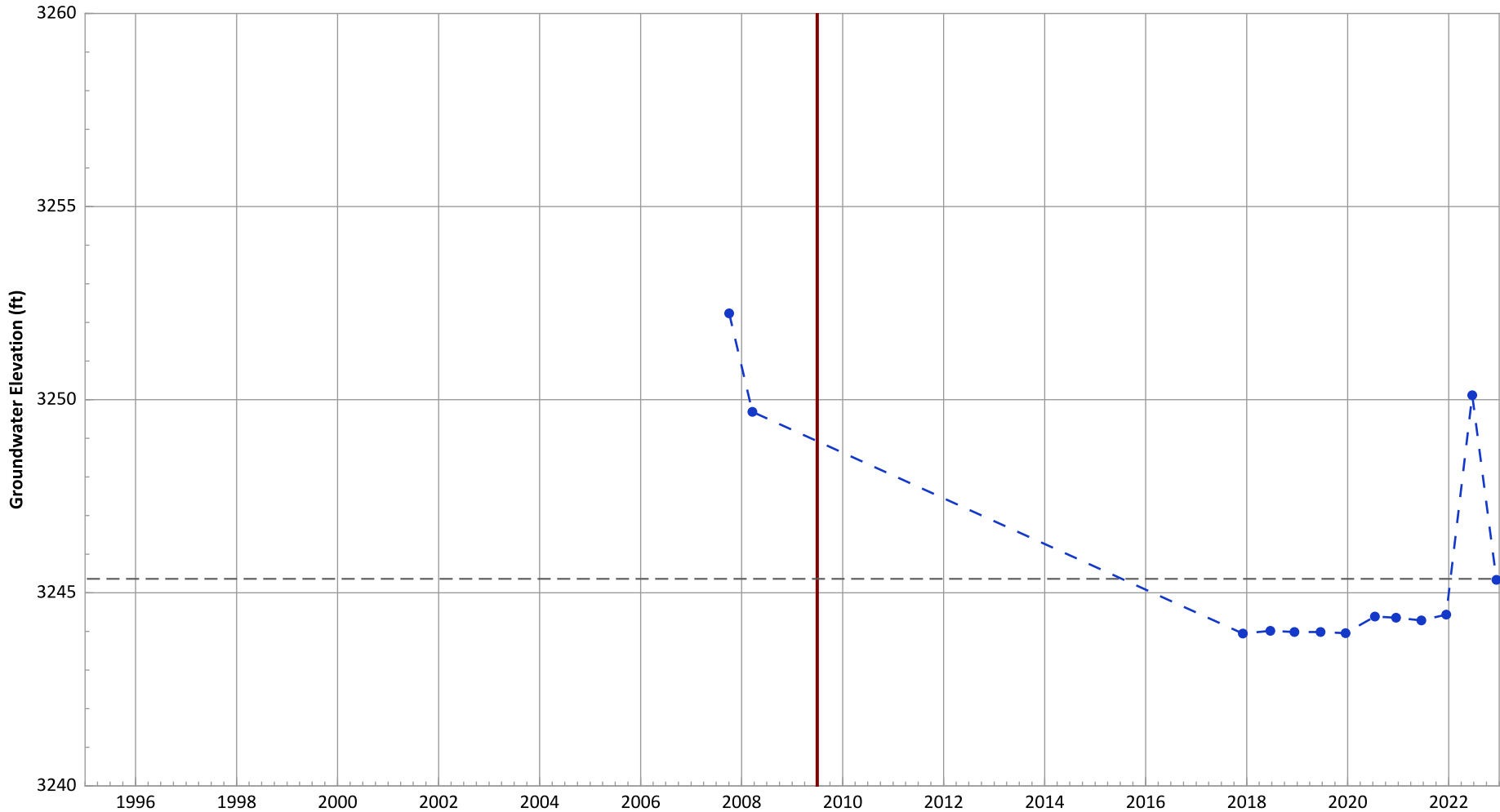
Notes:  
 1. Top of screen elevation is 3256.8 ft msl.  
 2. The bottom of screen elevation is 3246.8 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Decreasing at 1.96 ft/yr

PTX06-ISB018 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



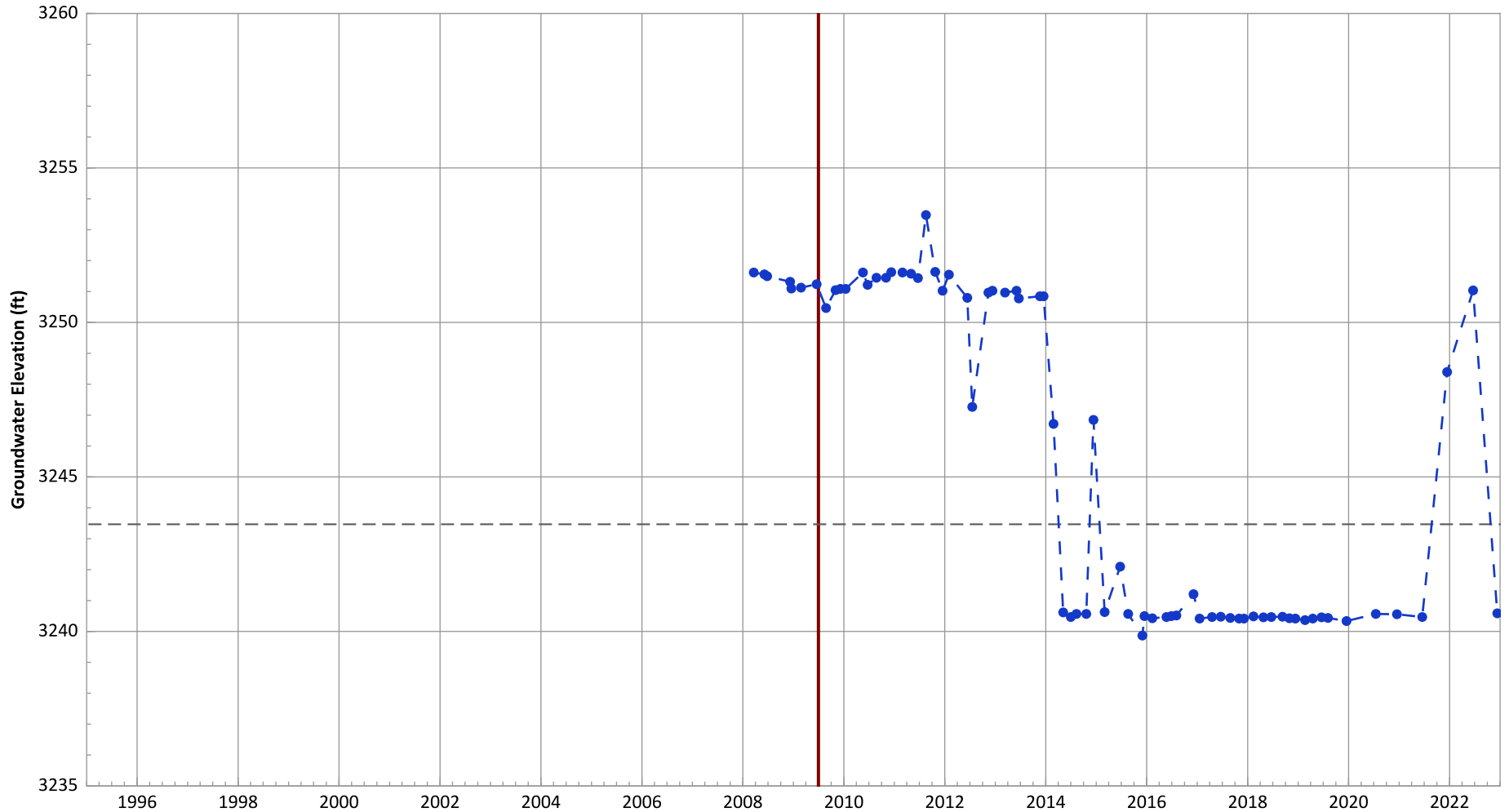
Notes:  
 1. Top of screen elevation is 3255.36 ft msl.  
 2. The bottom of screen elevation is 3245.36 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.39 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.13 ft/yr

PTX06-ISB019 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



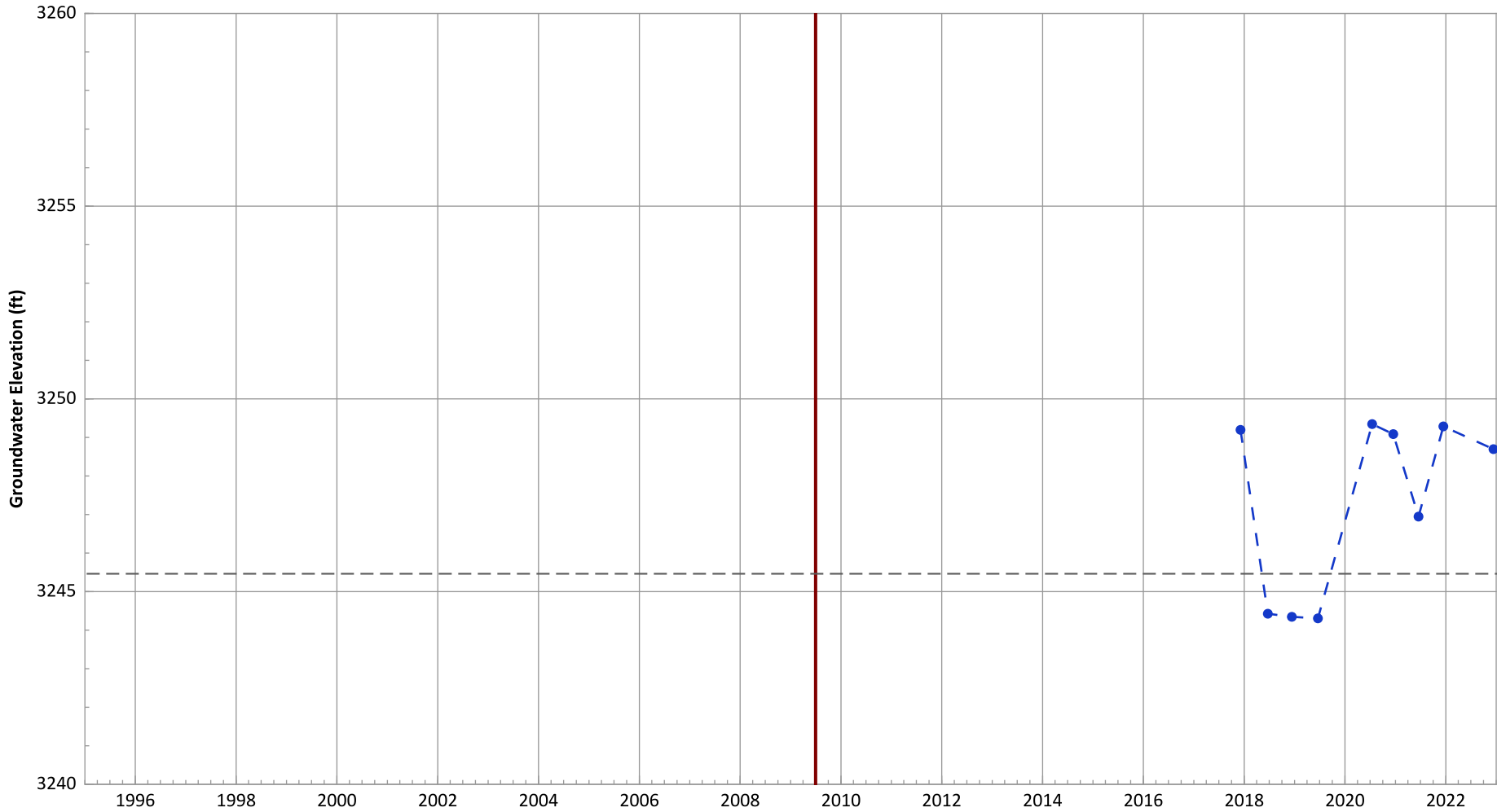
Notes:  
 1. Top of screen elevation is 3253.47 ft msl.  
 2. The bottom of screen elevation is 3243.47 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 1.04 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.63 ft/yr

PTX06-ISB020 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

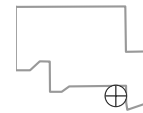


Notes:

1. Top of screen elevation is 3255.46 ft msl.
  2. The bottom of screen elevation is 3245.46 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

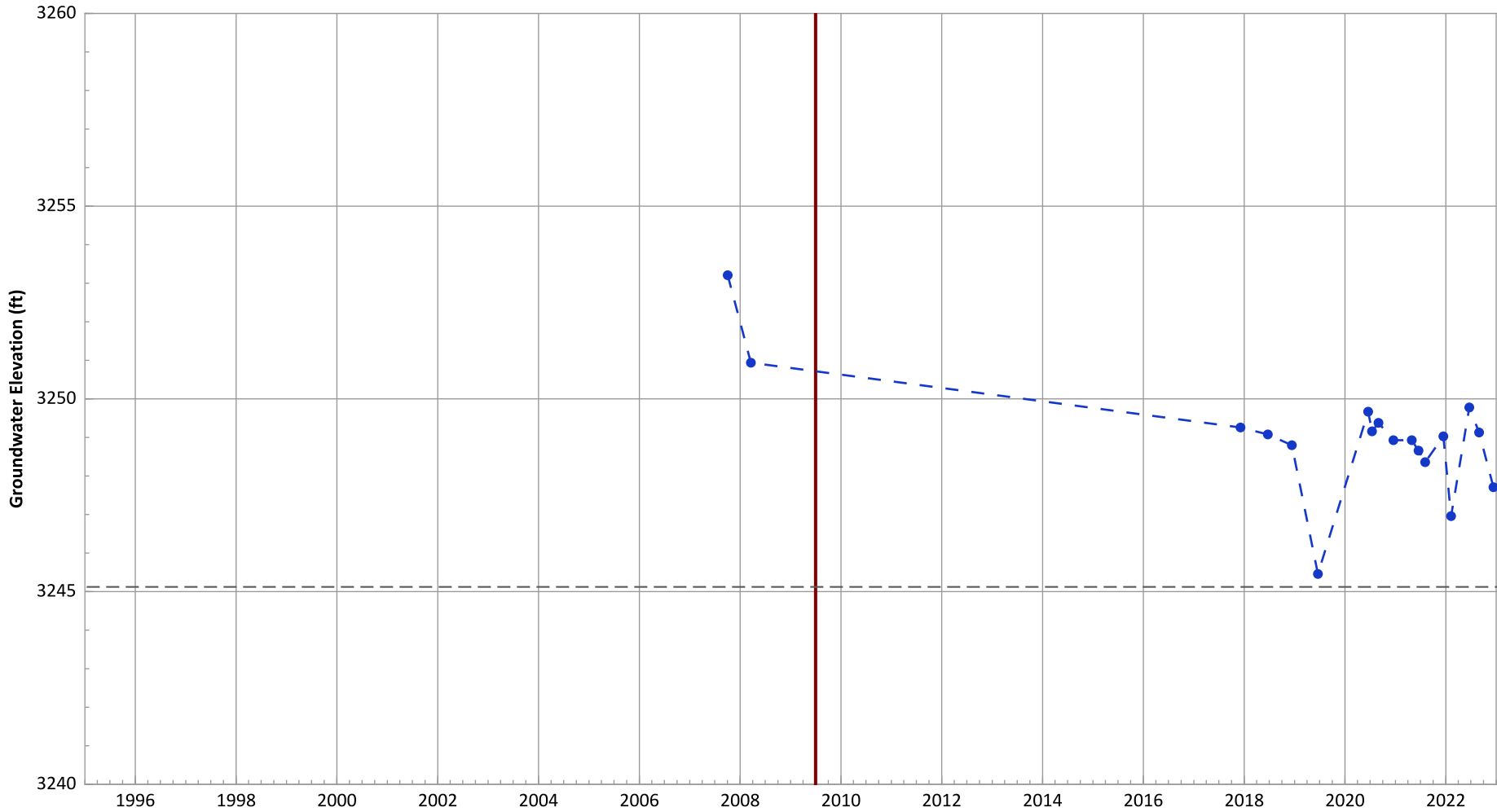
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.67 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.74 ft/yr

**PTX06-ISB021 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



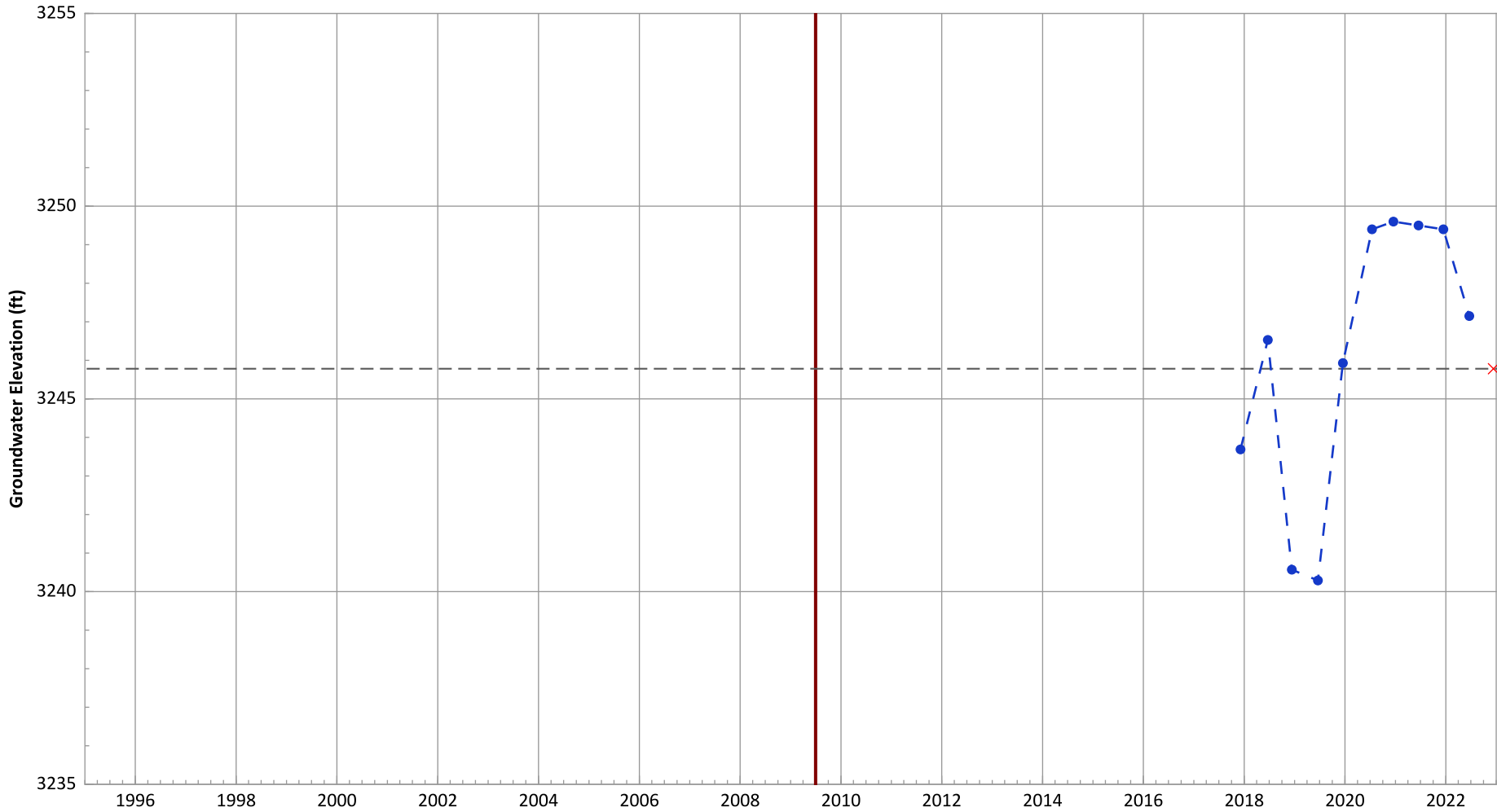
Notes:  
 1. Top of screen elevation is 3255.12 ft msl.  
 2. The bottom of screen elevation is 3245.12 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.24 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-ISB022 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

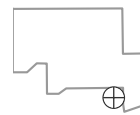


**Notes:**

1. Top of screen elevation is 3255.78 ft msl.
  2. The bottom of screen elevation is 3245.78 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 1.55 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.96 ft/yr



PTX06-ISB023A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



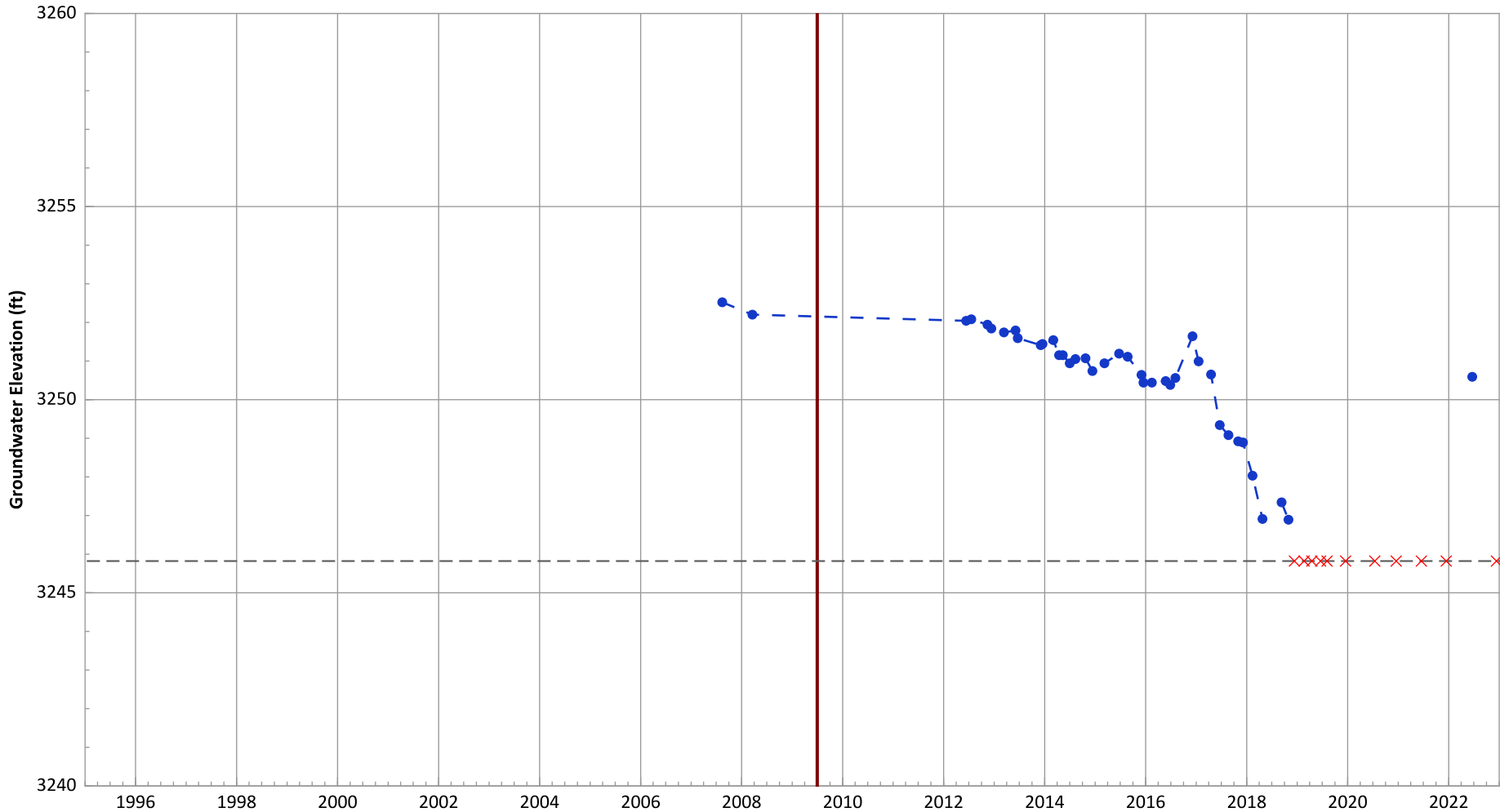
Notes:  
 1. Top of screen elevation is 3254.17 ft msl.  
 2. The bottom of screen elevation is 3244.17 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.74 ft/yr  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB024 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



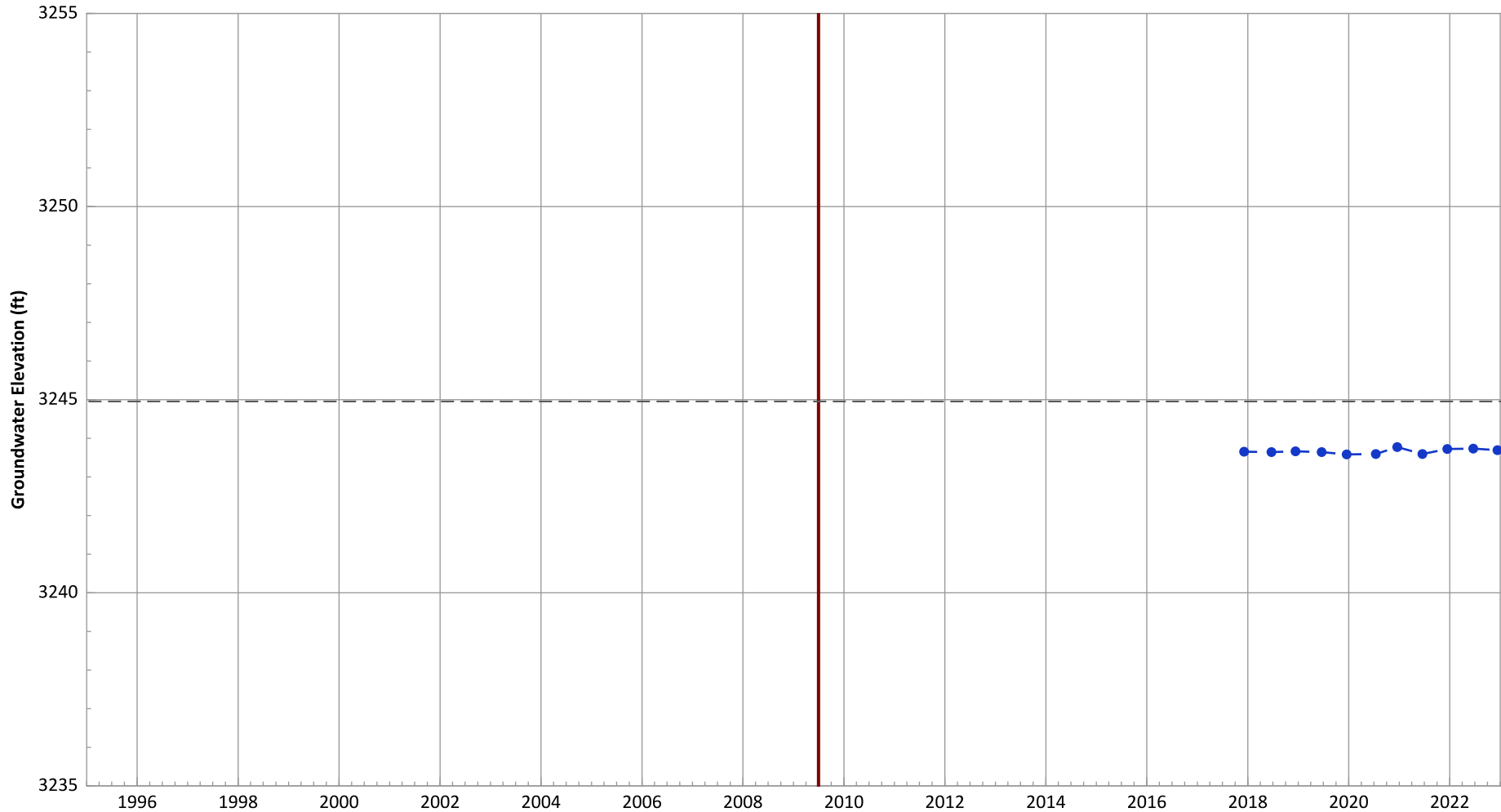
Notes:  
 1. Top of screen elevation is 3255.82 ft msl.  
 2. The bottom of screen elevation is 3245.82 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- | Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.37 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 2.34 ft/yr

PTX06-ISB025 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



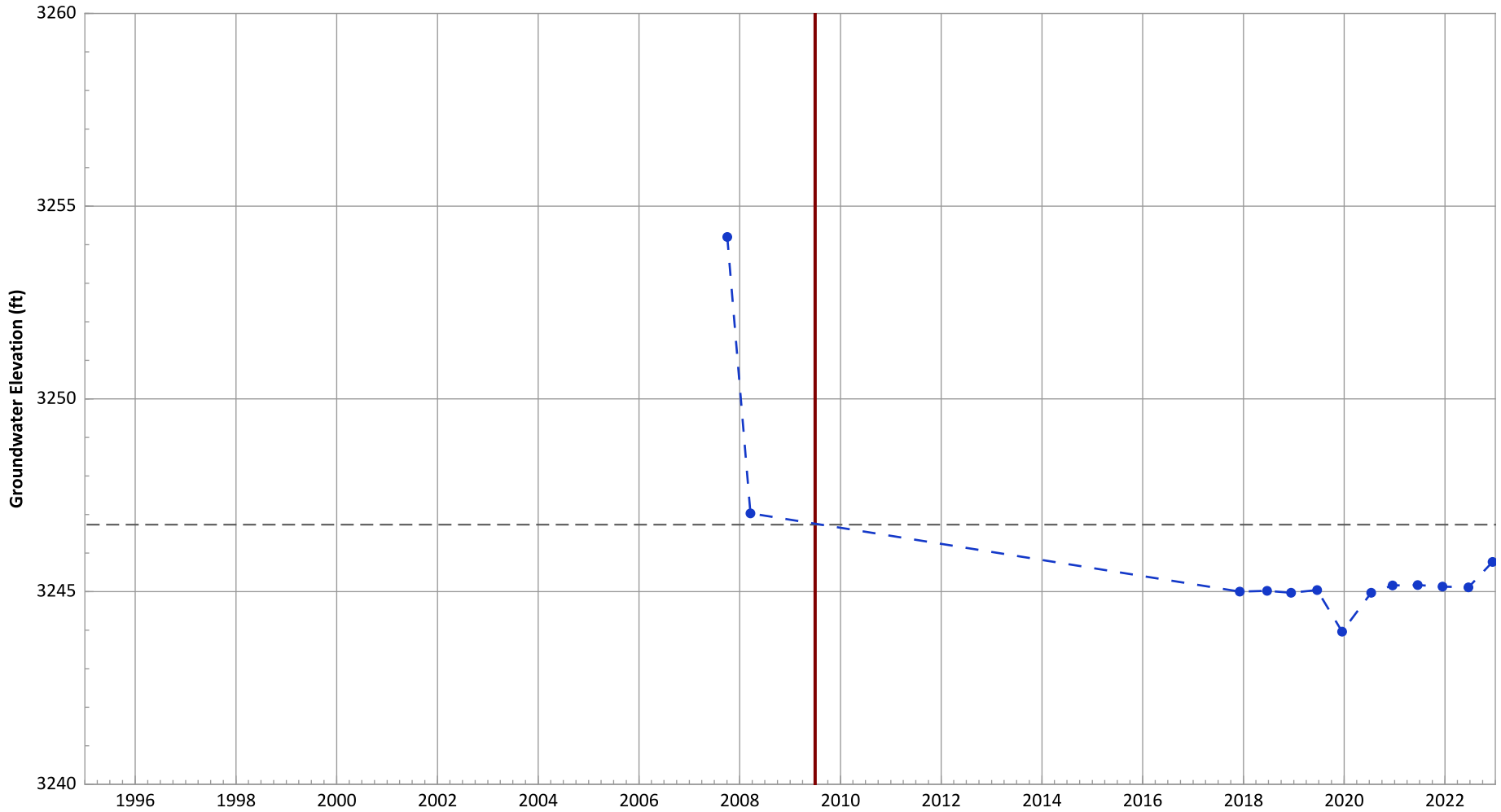
Notes:  
 1. Top of screen elevation is 3254.95 ft msl.  
 2. The bottom of screen elevation is 3244.95 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB026 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

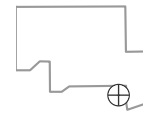


Notes:

1. Top of screen elevation is 3256.74 ft msl.
  2. The bottom of screen elevation is 3246.74 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

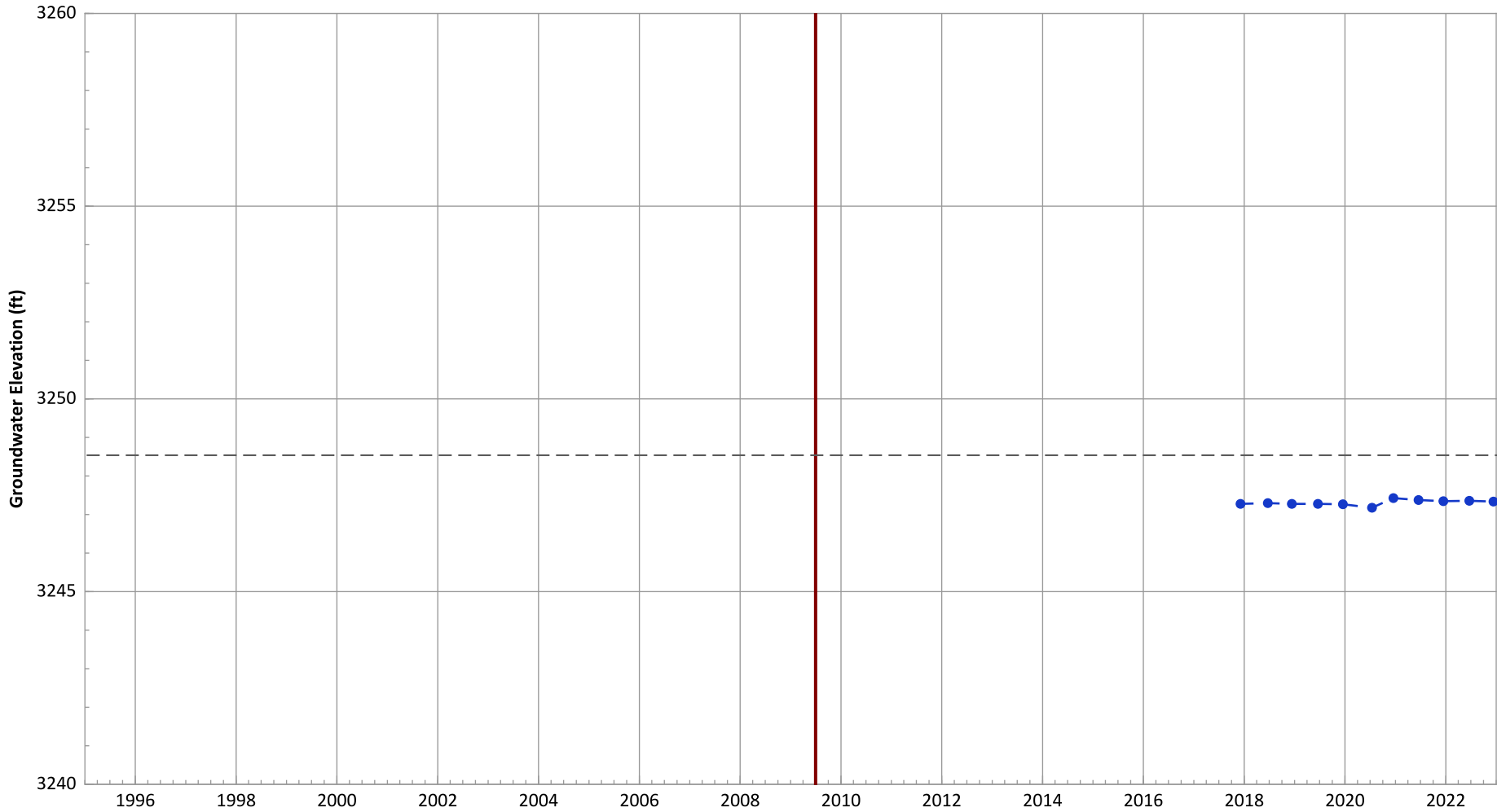
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.4 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB027 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

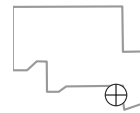


Notes:

1. Top of screen elevation is 3258.54 ft msl.
  2. The bottom of screen elevation is 3248.54 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

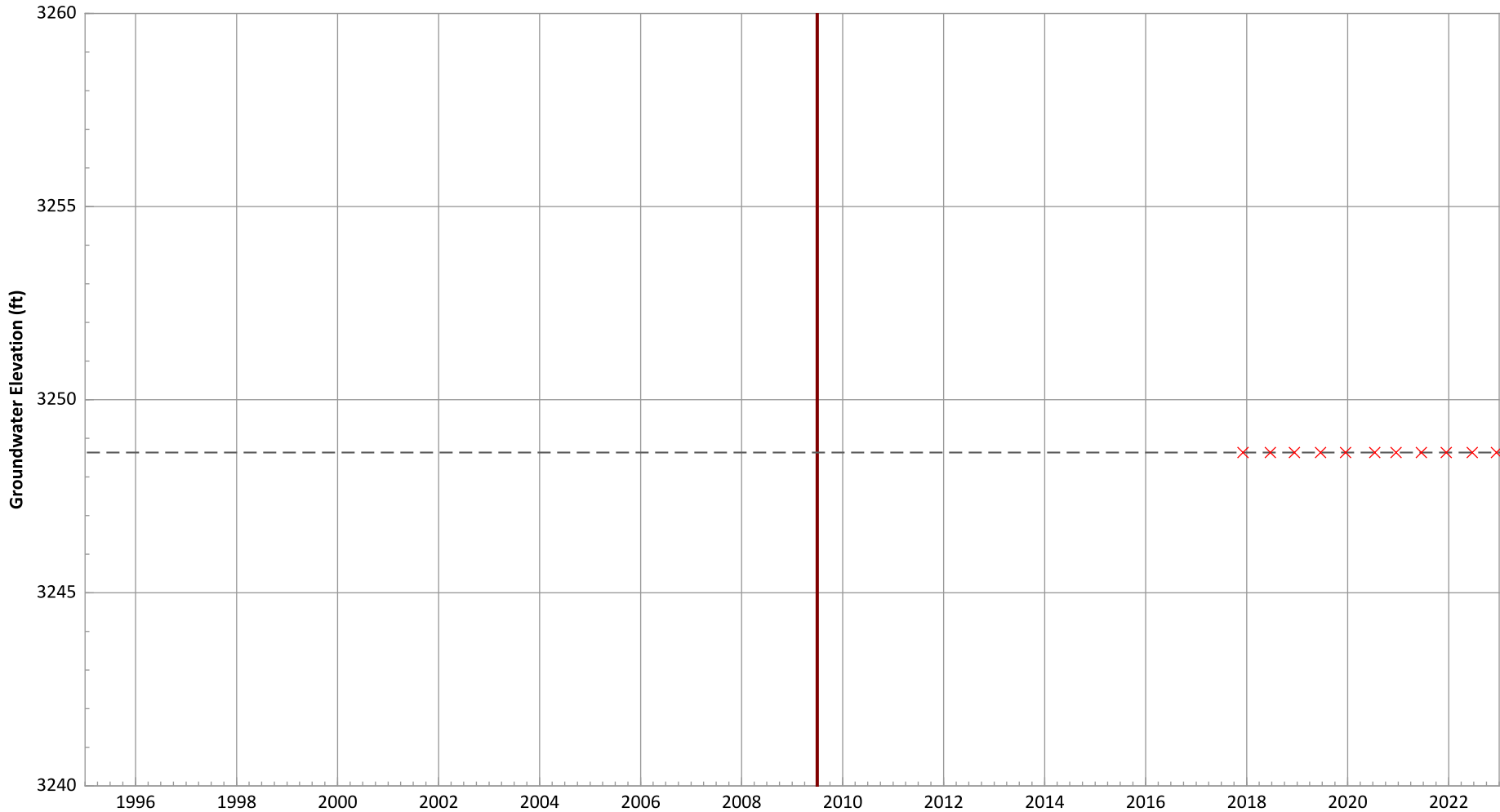
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB028 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

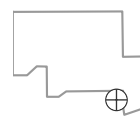


Notes:

1. Top of screen elevation is 3258.63 ft msl.
  2. The bottom of screen elevation is 3248.63 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

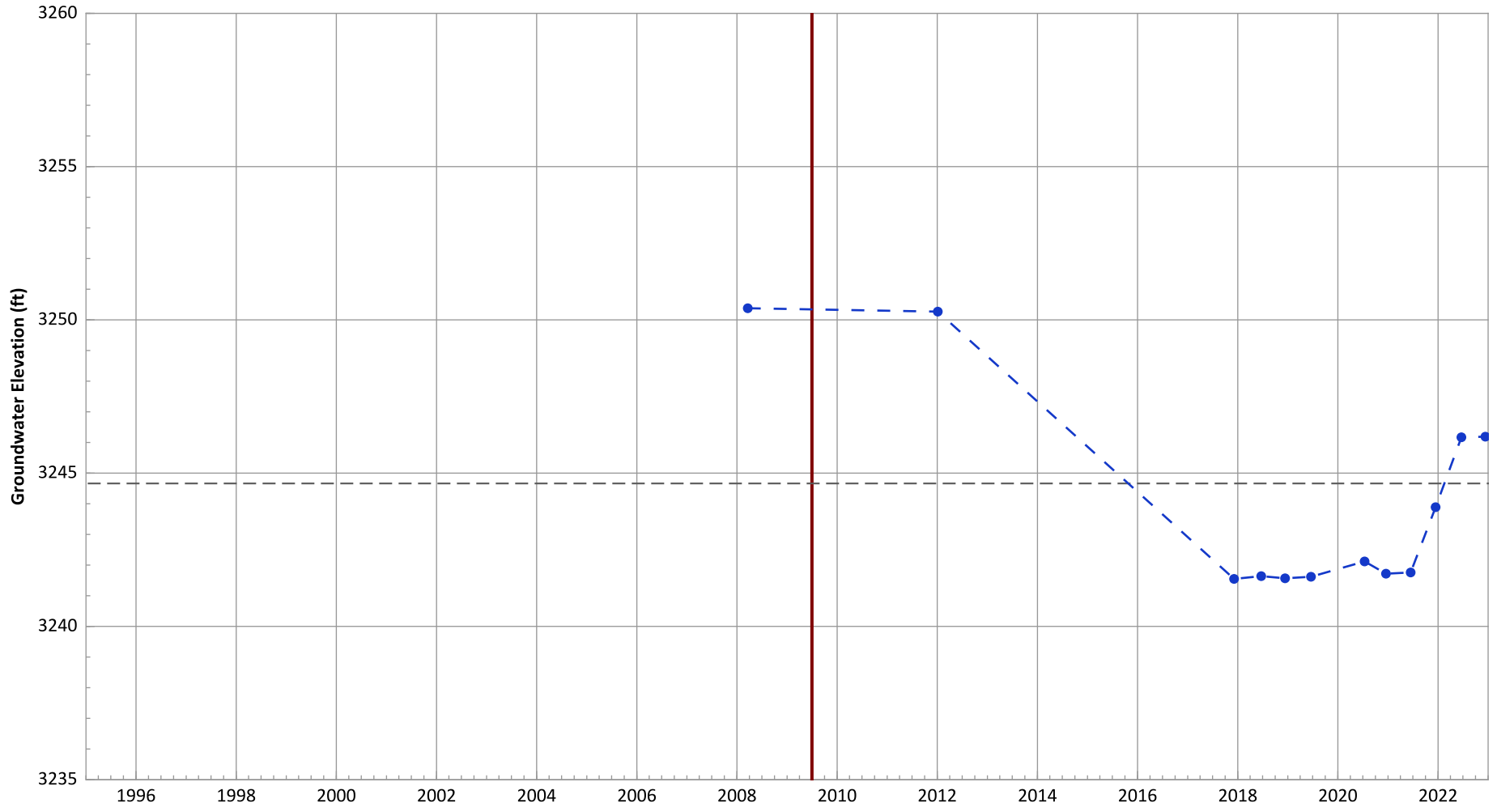
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-ISB029A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



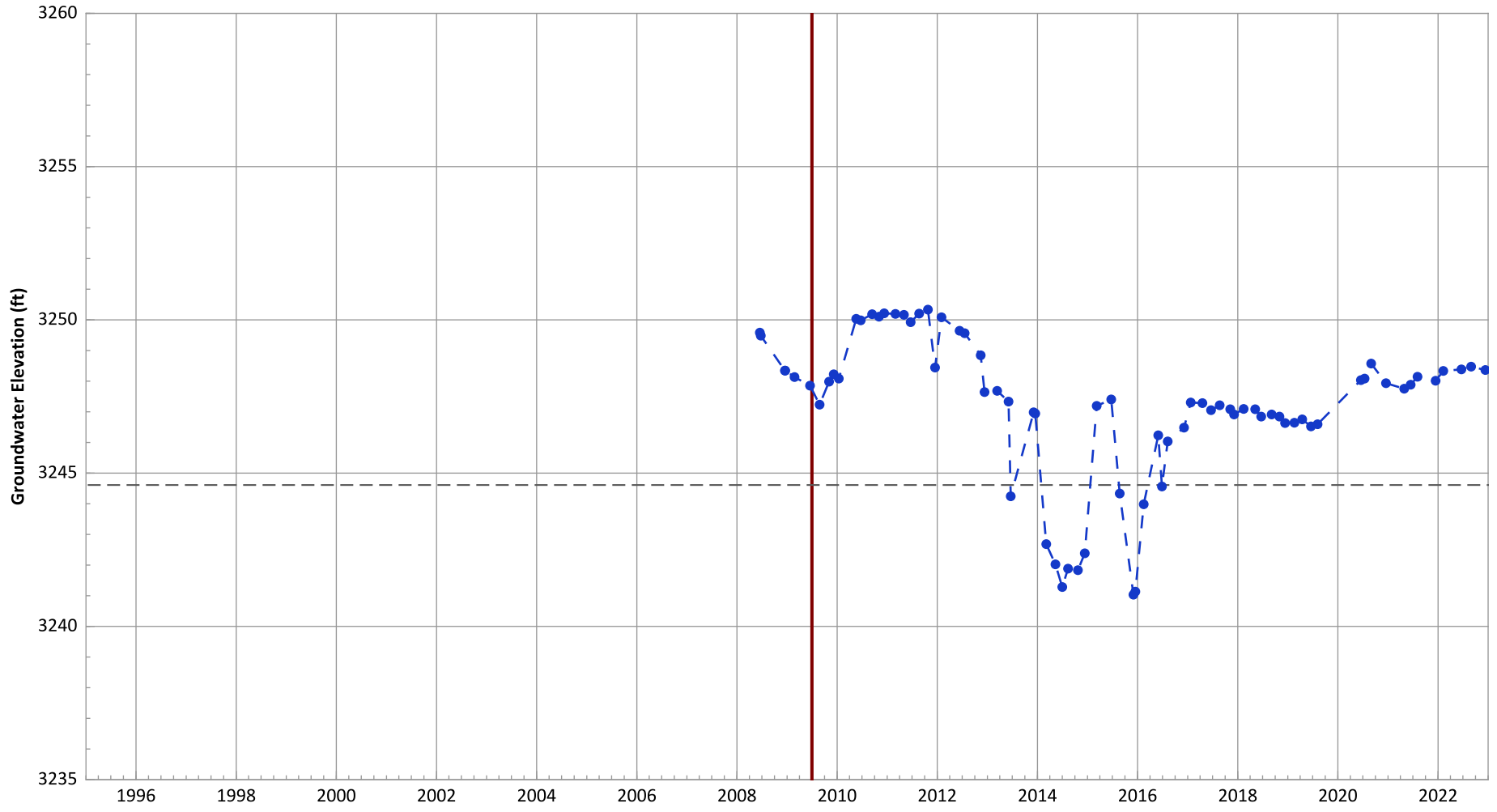
Notes:  
 1. Top of screen elevation is 3254.66 ft msl.  
 2. The bottom of screen elevation is 3244.66 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

-●- Groundwater Elevation  
- - - Bottom of Screen Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.5 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.35 ft/yr

**PTX06-ISB030B Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



Notes:  
 1. Top of screen elevation is 3254.61 ft msl.  
 2. The bottom of screen elevation is 3244.61 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

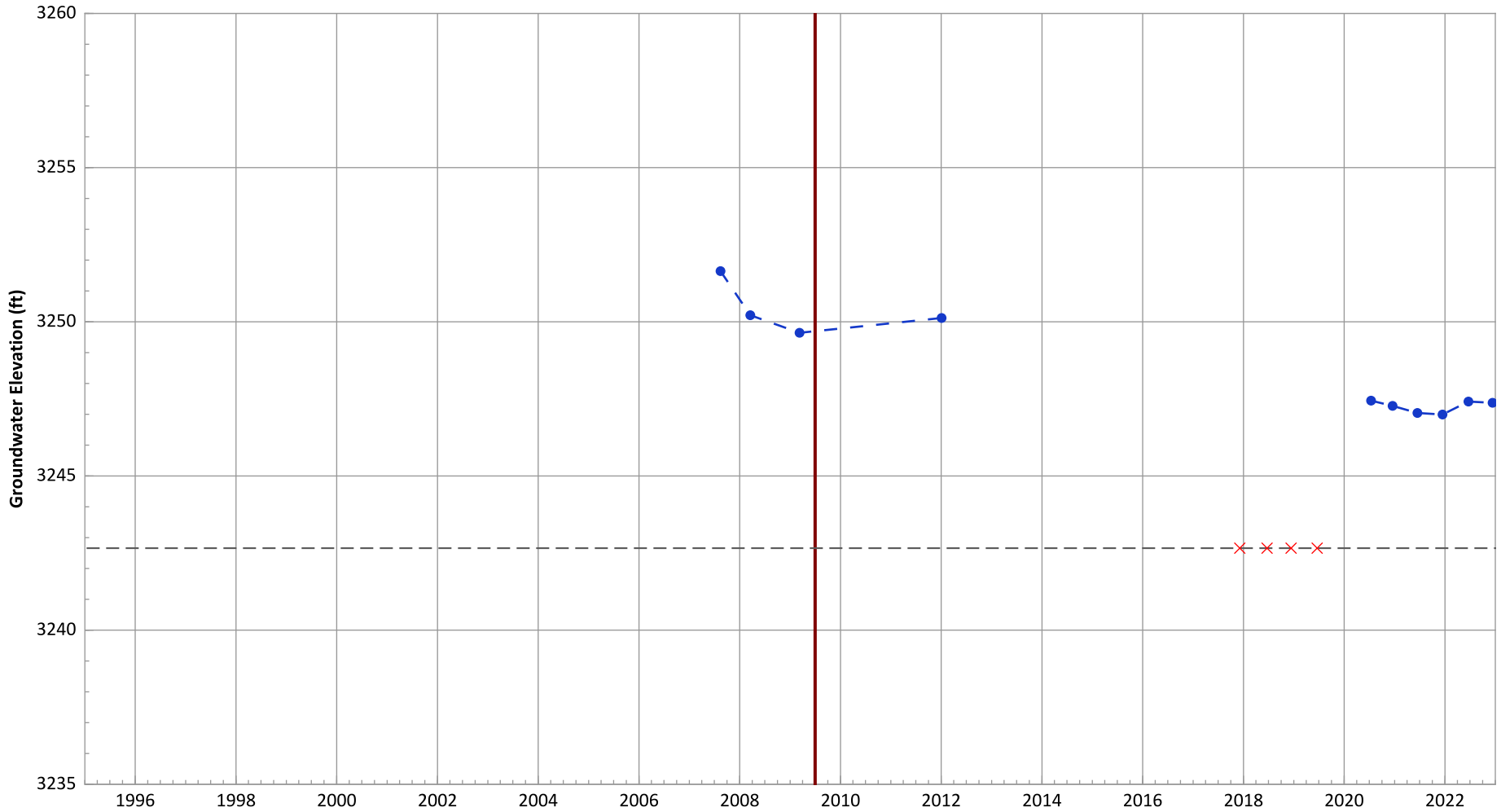
—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.13 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.26 ft/yr



PTX06-ISB031 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

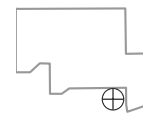


Notes:

1. Top of screen elevation is 3257.66 ft msl.
  2. The bottom of screen elevation is 3242.66 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

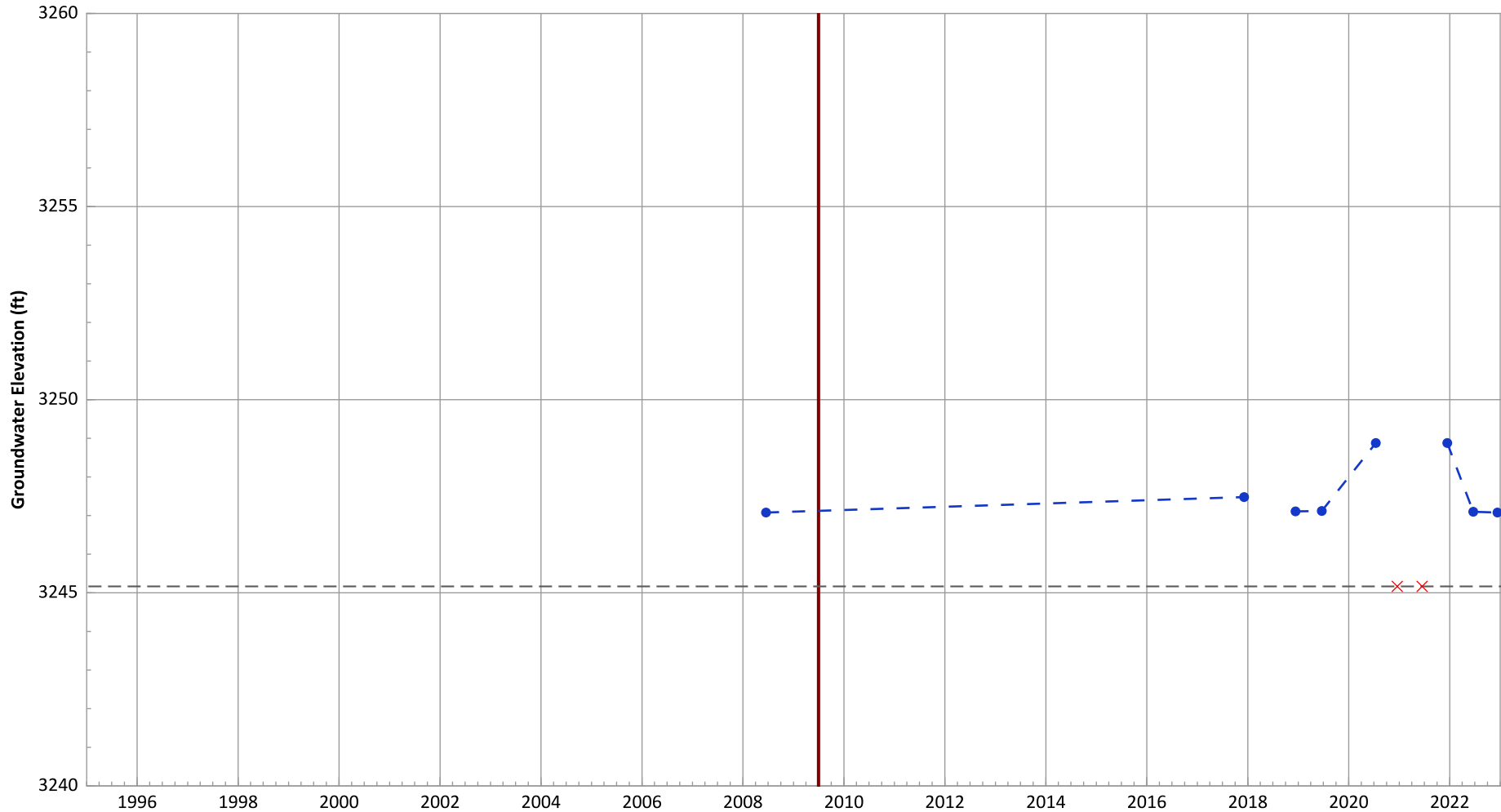
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.25 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.33 ft/yr

PTX06-ISB032 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



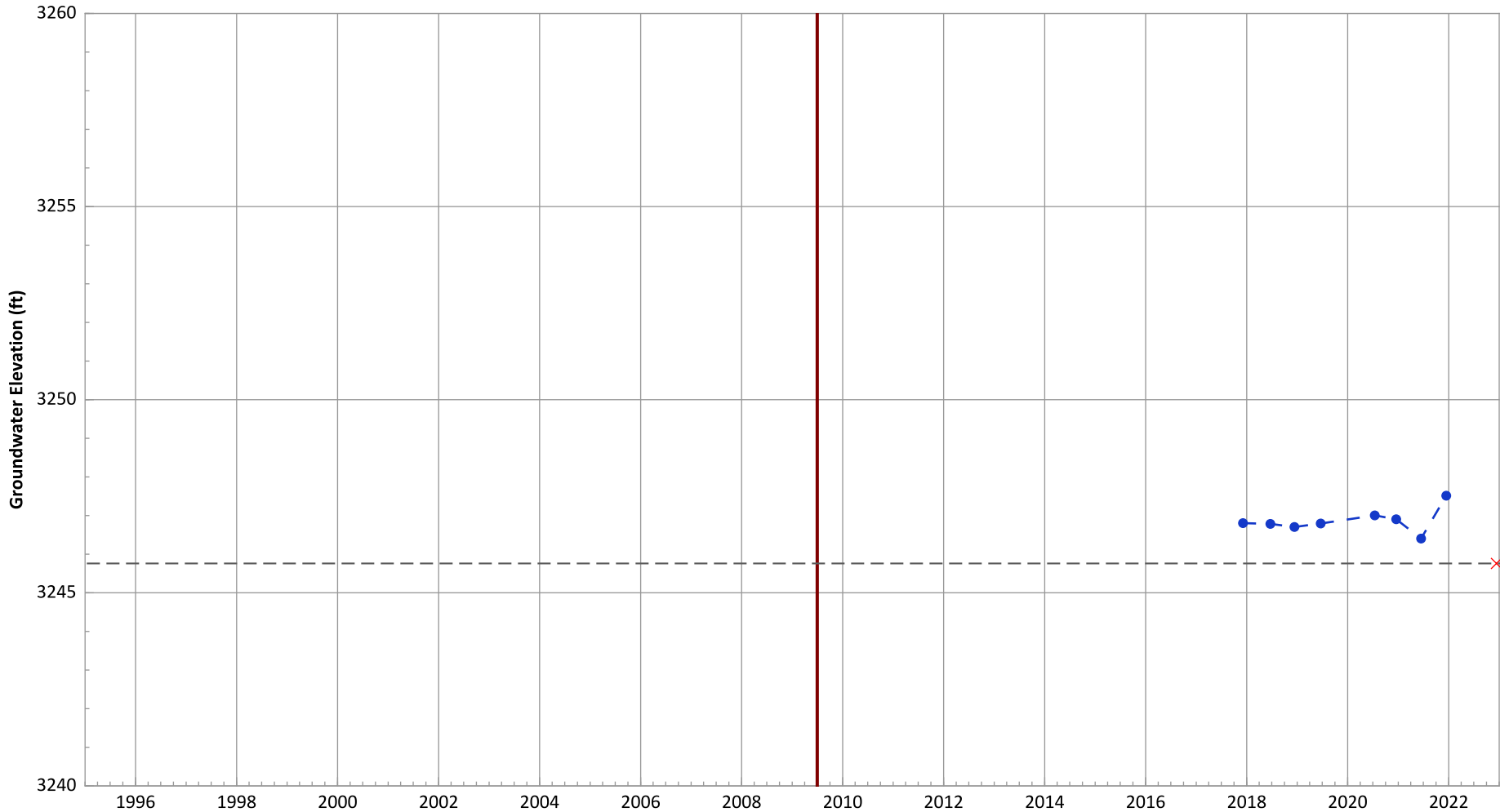
Notes:  
 1. Top of screen elevation is 3255.17 ft msl.  
 2. The bottom of screen elevation is 3245.17 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 0.48 ft/yr

PTX06-ISB033 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



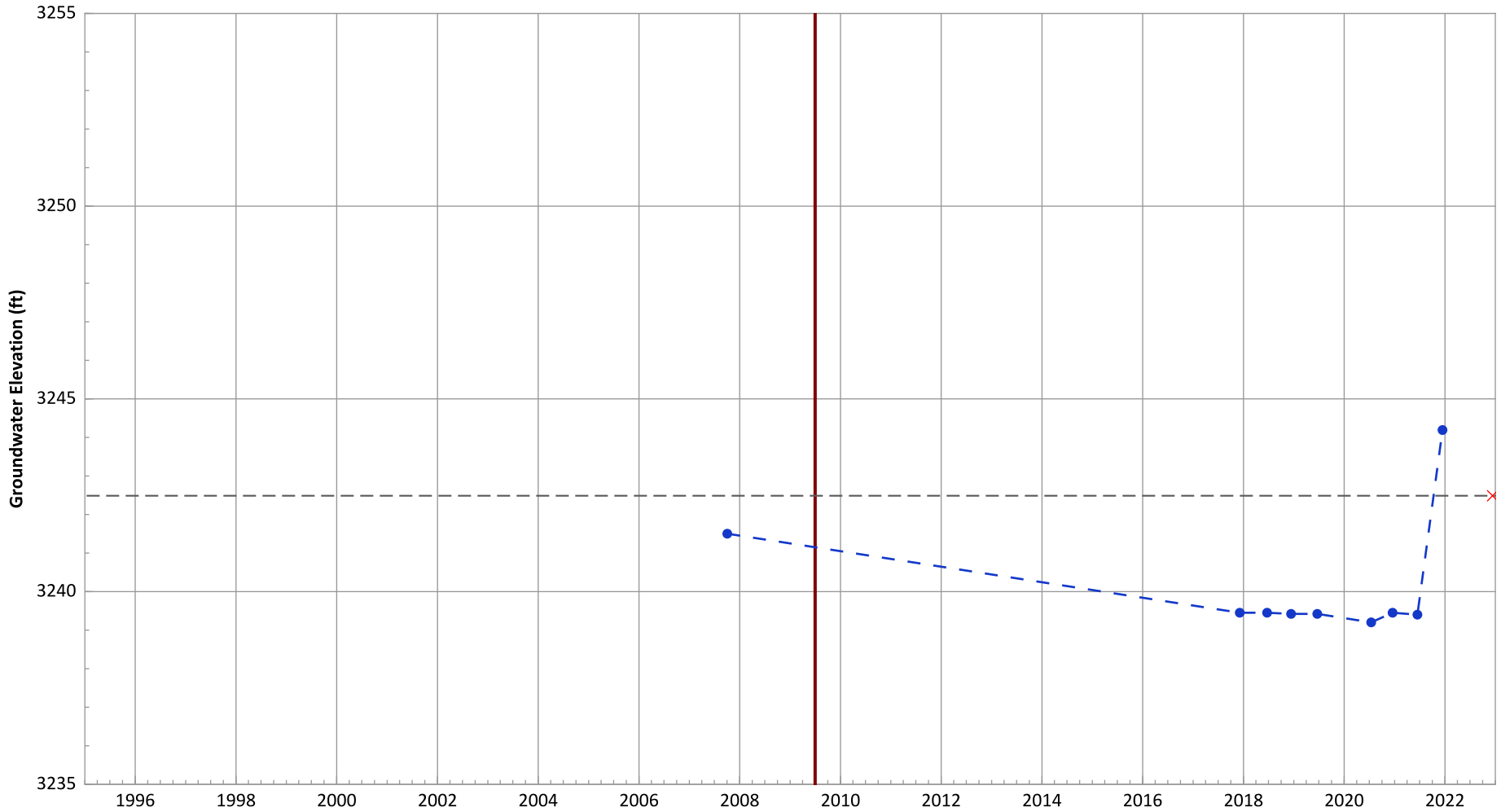
Notes:  
 1. Top of screen elevation is 3255.76 ft msl.  
 2. The bottom of screen elevation is 3245.76 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB034 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

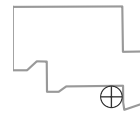


Notes:

1. Top of screen elevation is 3252.49 ft msl.
  2. The bottom of screen elevation is 3242.49 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

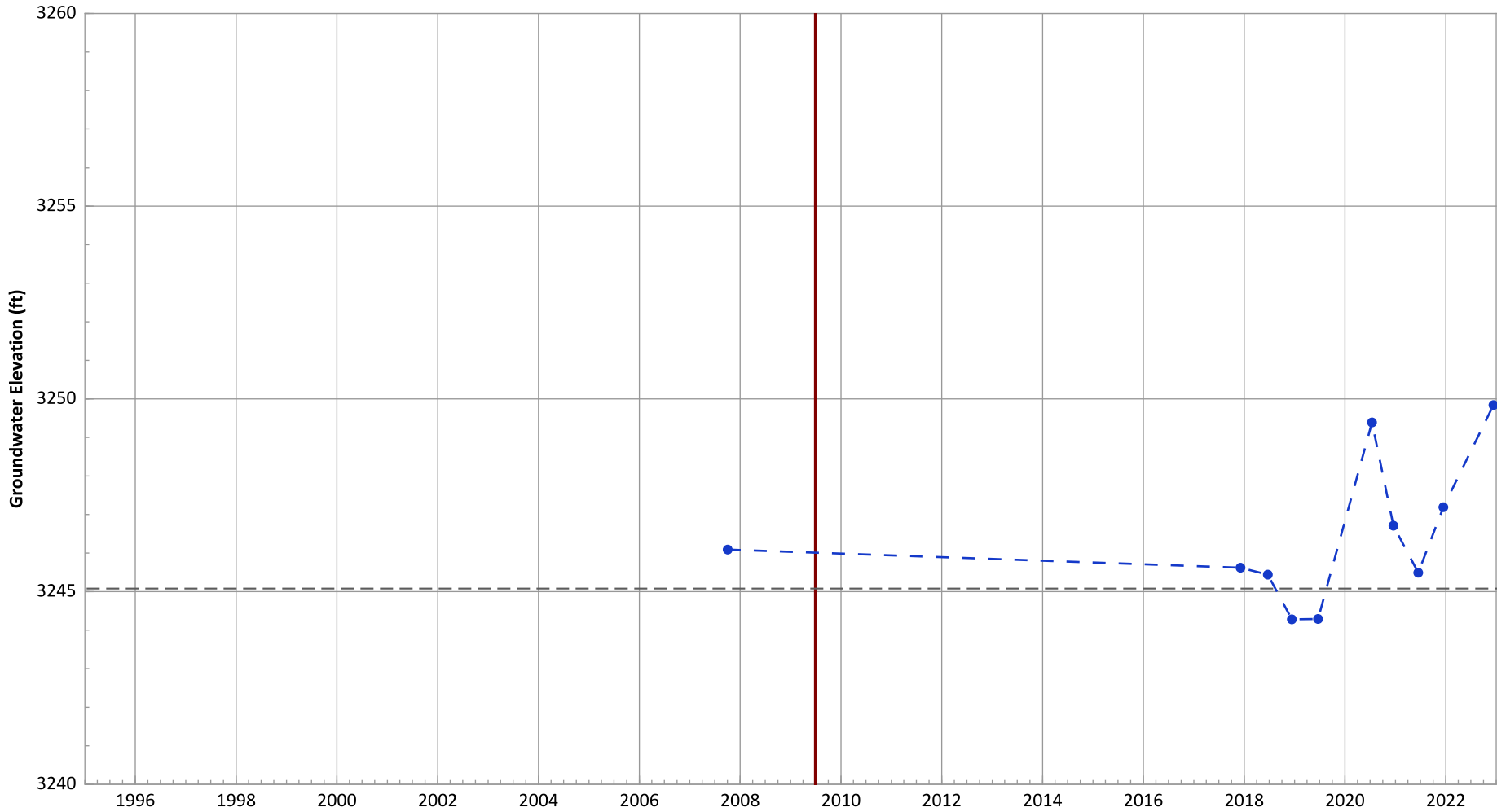
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.61 ft/yr

PTX06-ISB035 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

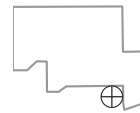


Notes:

1. Top of screen elevation is 3255.08 ft msl.
  2. The bottom of screen elevation is 3245.08 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- - - ● - - - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

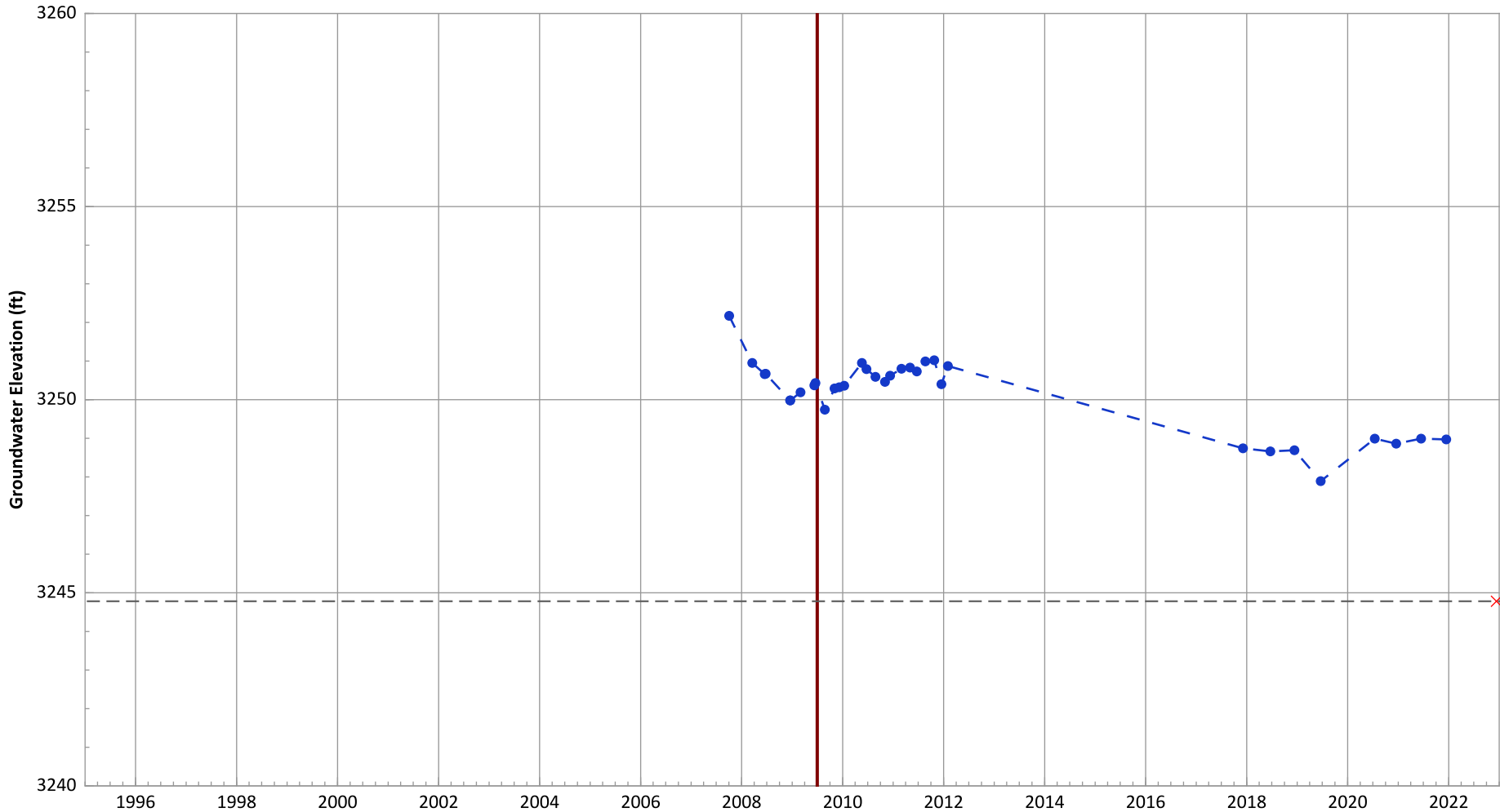
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.14 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.56 ft/yr

PTX06-ISB036 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



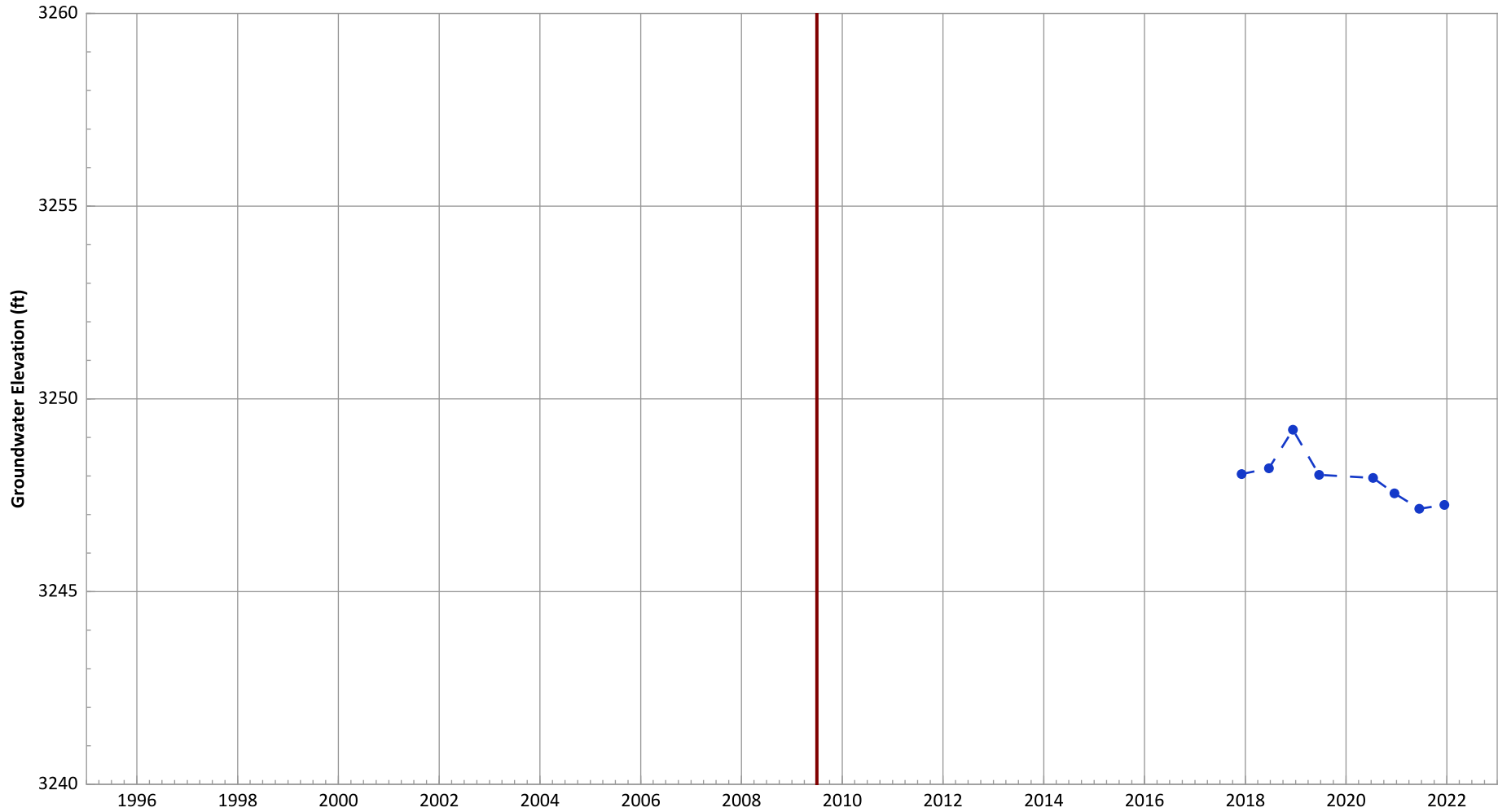
Notes:  
 1. Top of screen elevation is 3254.78 ft msl.  
 2. The bottom of screen elevation is 3244.78 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.17 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.11 ft/yr

PTX06-ISB037 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

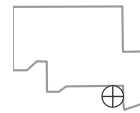


Notes:

1. Top of screen elevation is 3249.54 ft msl.
  2. The bottom of screen elevation is 3239.54 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

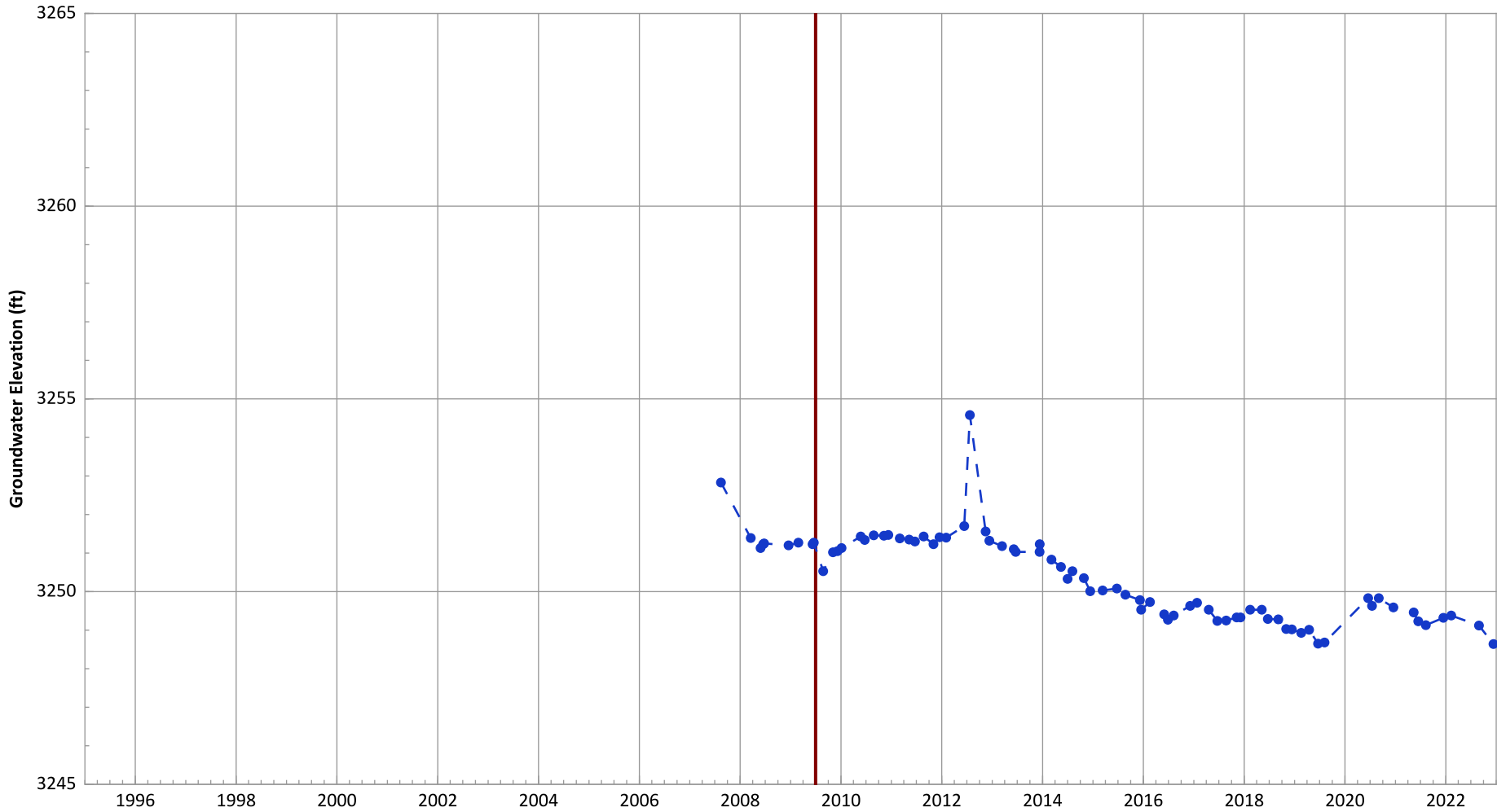
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.32 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.32 ft/yr

PTX06-ISB038 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

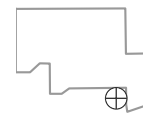


Notes:

1. Top of screen elevation is 3251.76 ft msl.
  2. The bottom of screen elevation is 3241.76 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.21 ft/yr  
Data (1/2017 - 1/2021): No Trend



PTX06-ISB039 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

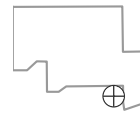


Notes:

1. Top of screen elevation is 3255.75 ft msl.
  2. The bottom of screen elevation is 3245.75 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

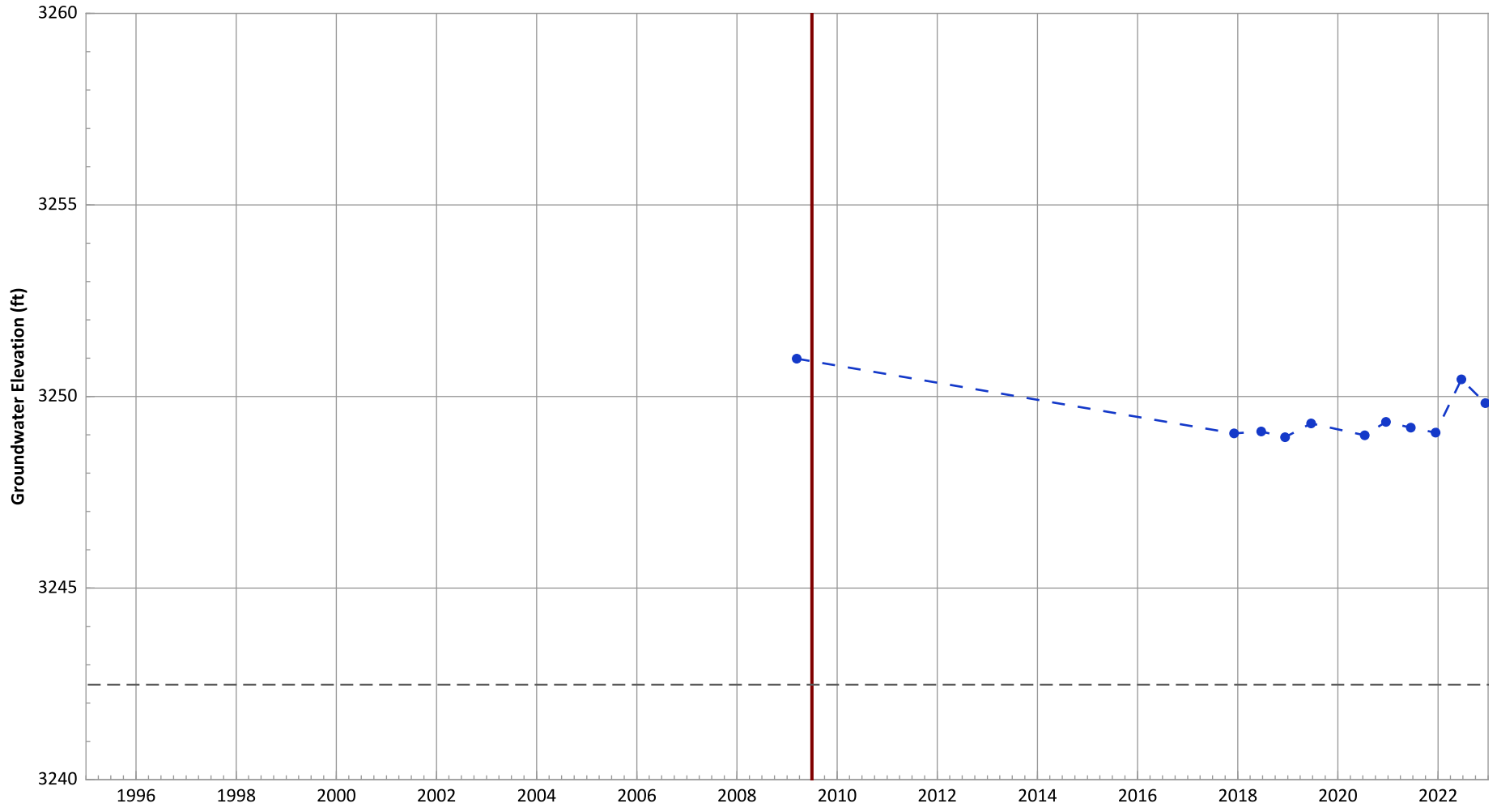
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB040 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



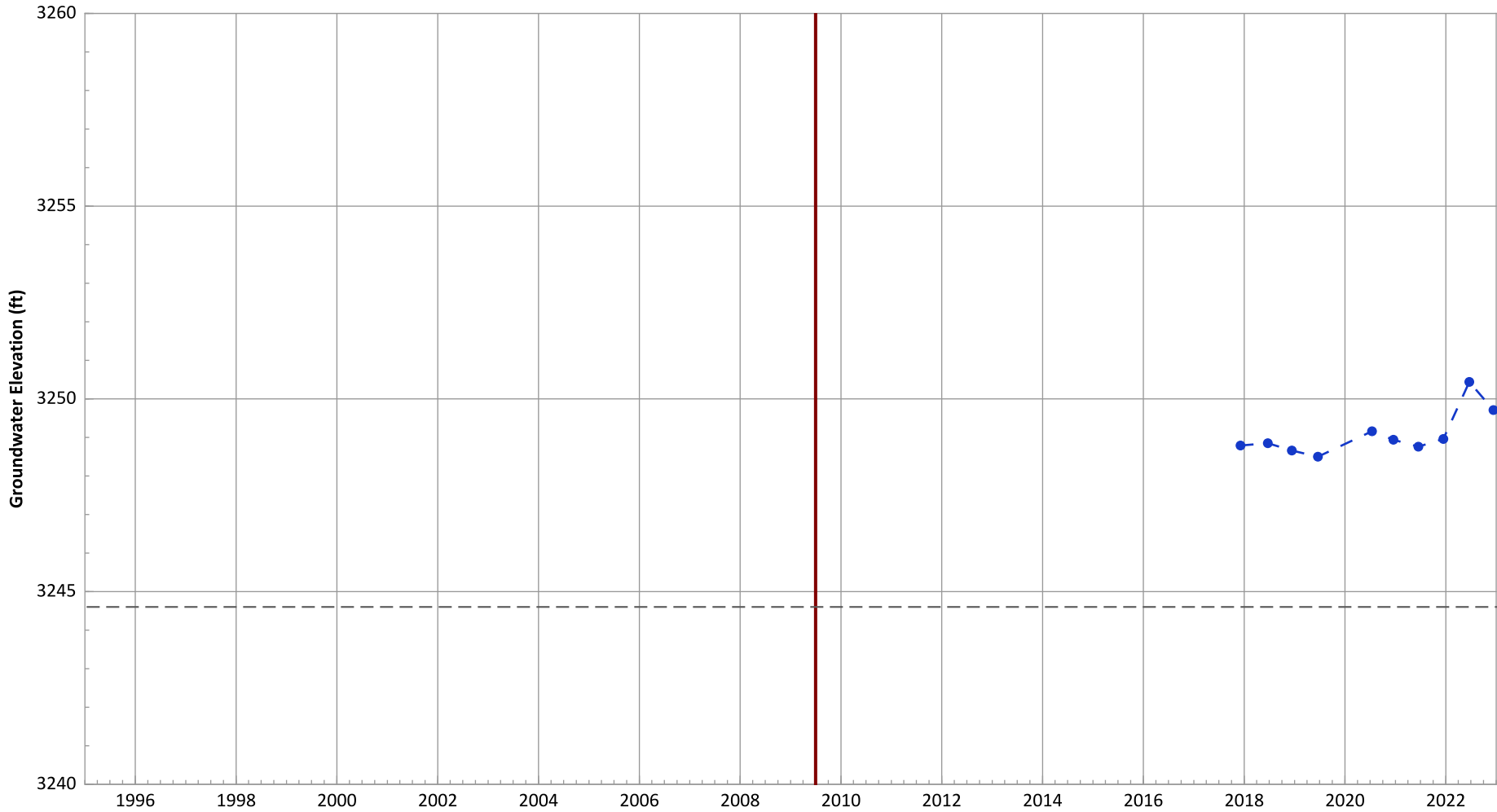
Notes:  
 1. Top of screen elevation is 3252.48 ft msl.  
 2. The bottom of screen elevation is 3242.48 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB041 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

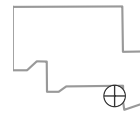


Notes:

1. Top of screen elevation is 3254.6 ft msl.
  2. The bottom of screen elevation is 3244.6 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

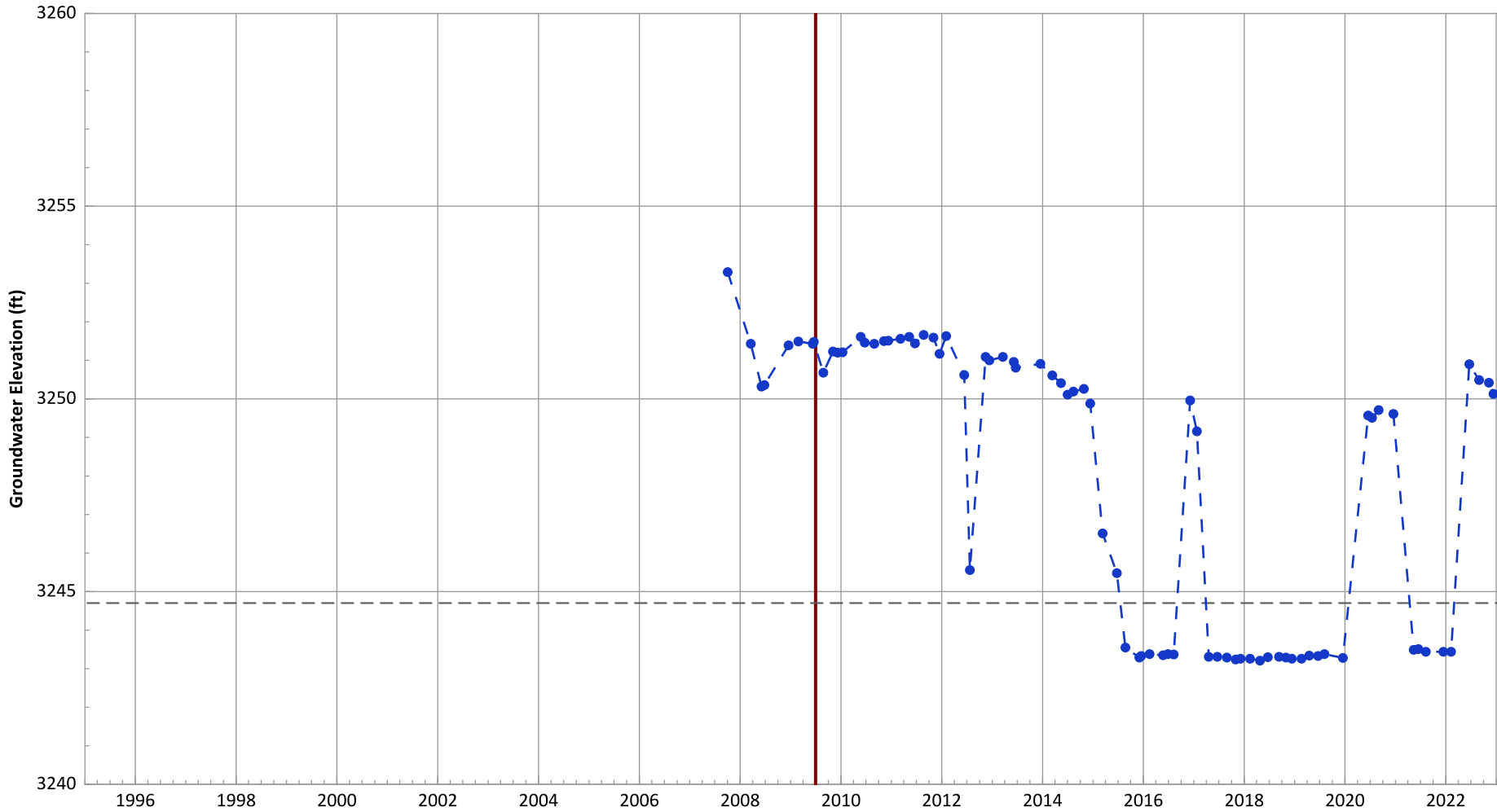
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.22 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB042 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

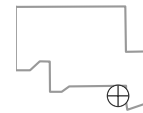


Notes:

1. Top of screen elevation is 3254.7 ft msl.
  2. The bottom of screen elevation is 3244.7 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

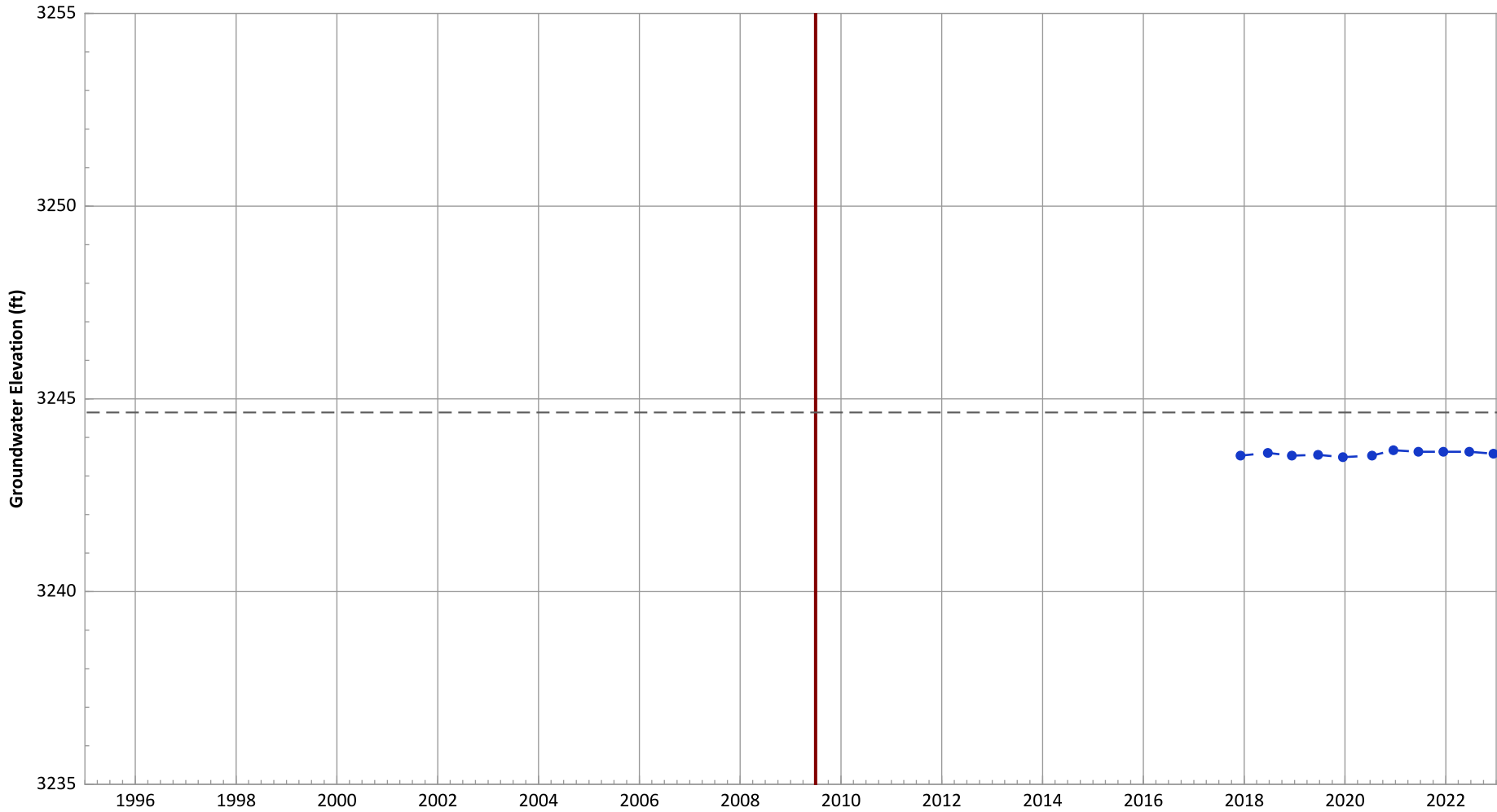
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.53 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.43 ft/yr

PTX06-ISB043 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

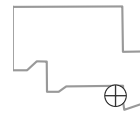


Notes:

1. Top of screen elevation is 3254.65 ft msl.
  2. The bottom of screen elevation is 3244.65 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

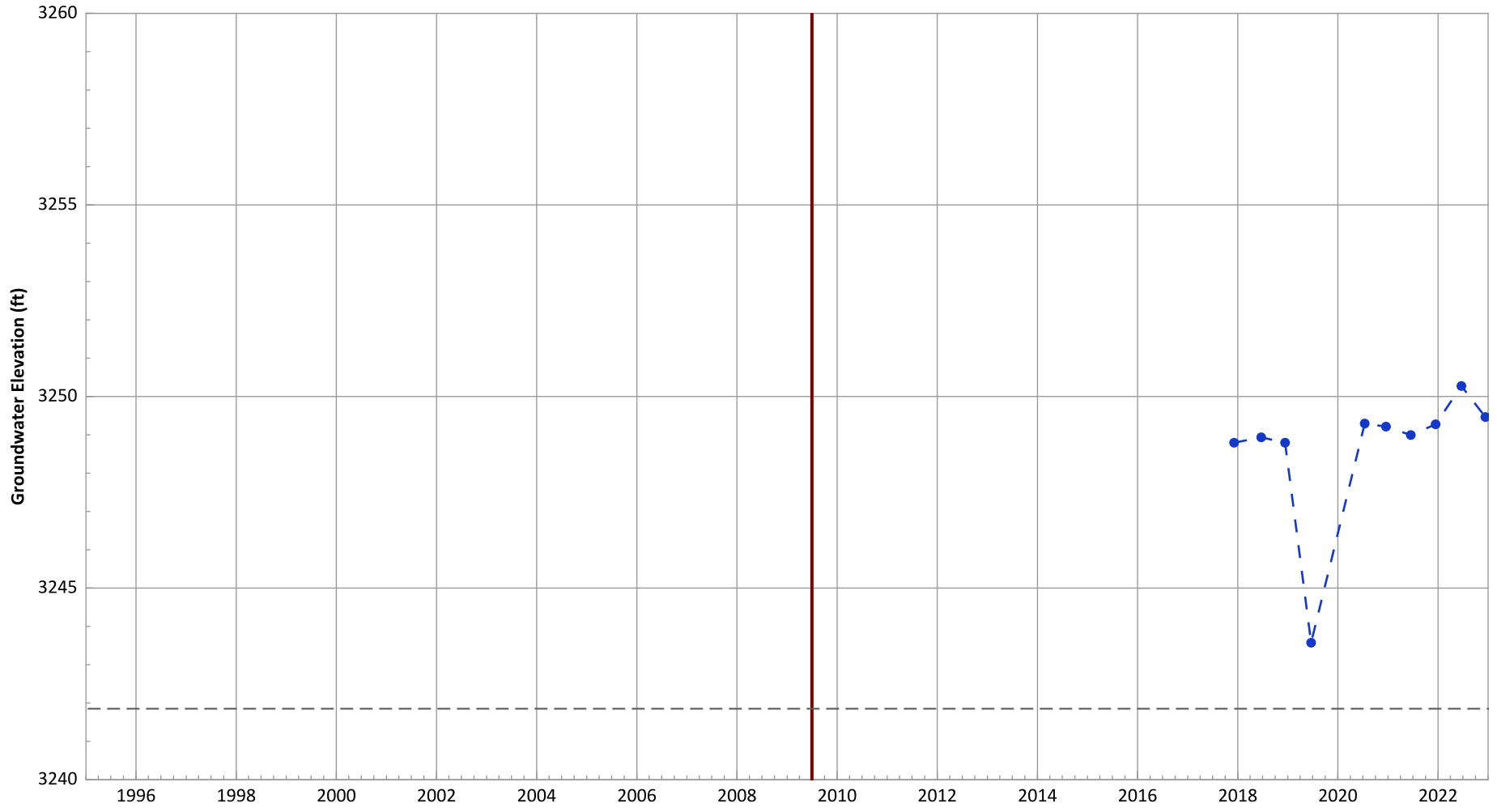
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-ISB044A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



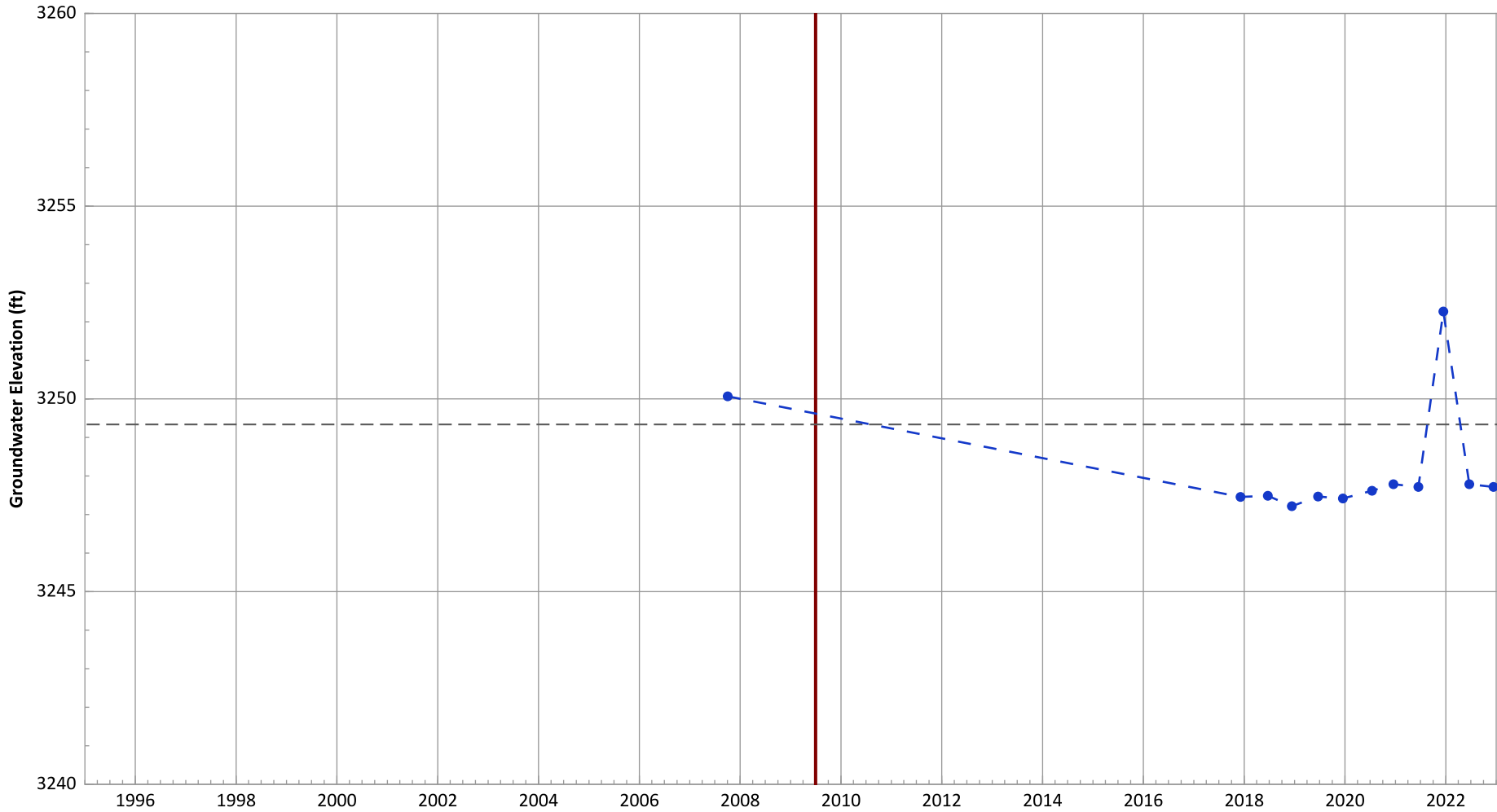
Notes:  
 1. Top of screen elevation is 3251.85 ft msl.  
 2. The bottom of screen elevation is 3241.85 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.39 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.29 ft/yr

PTX06-ISB045 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

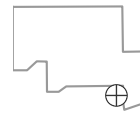


Notes:

1. Top of screen elevation is 3259.34 ft msl.
  2. The bottom of screen elevation is 3249.34 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

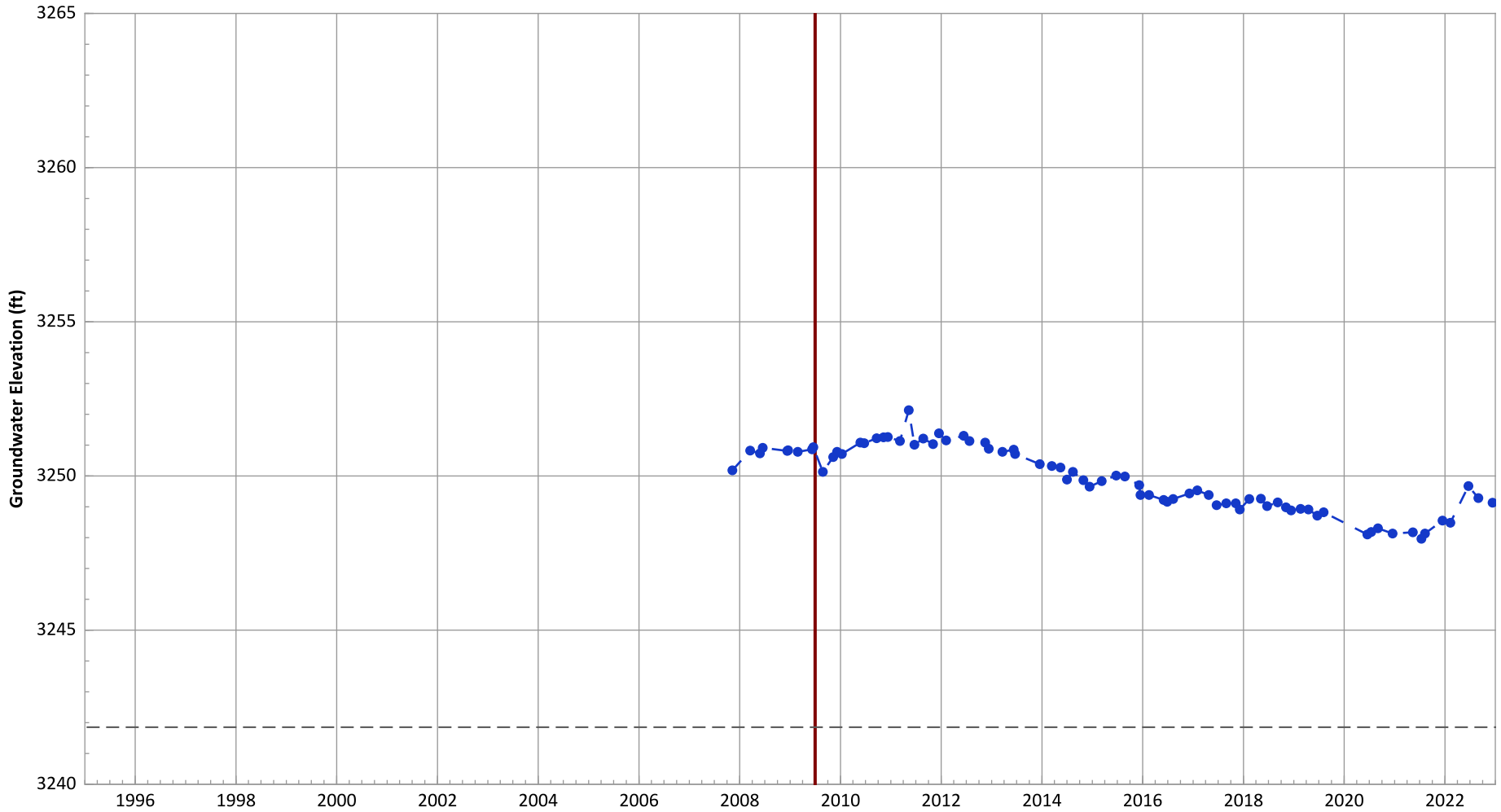
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.7 ft/yr

PTX06-ISB046 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

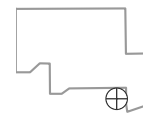


Notes:

1. Top of screen elevation is 3251.85 ft msl.
  2. The bottom of screen elevation is 3241.85 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location

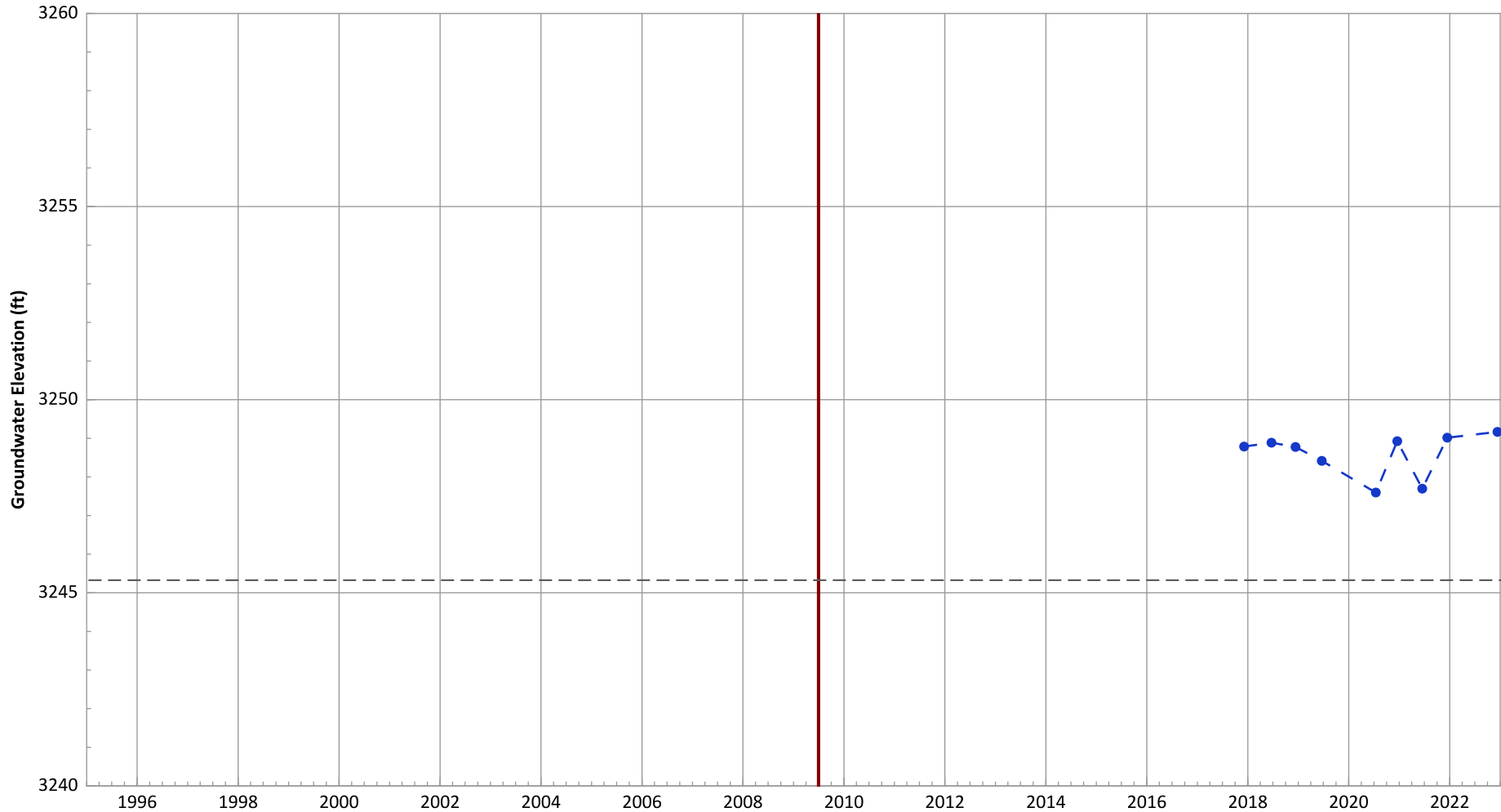


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.21 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.28 ft/yr



PTX06-ISB047 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



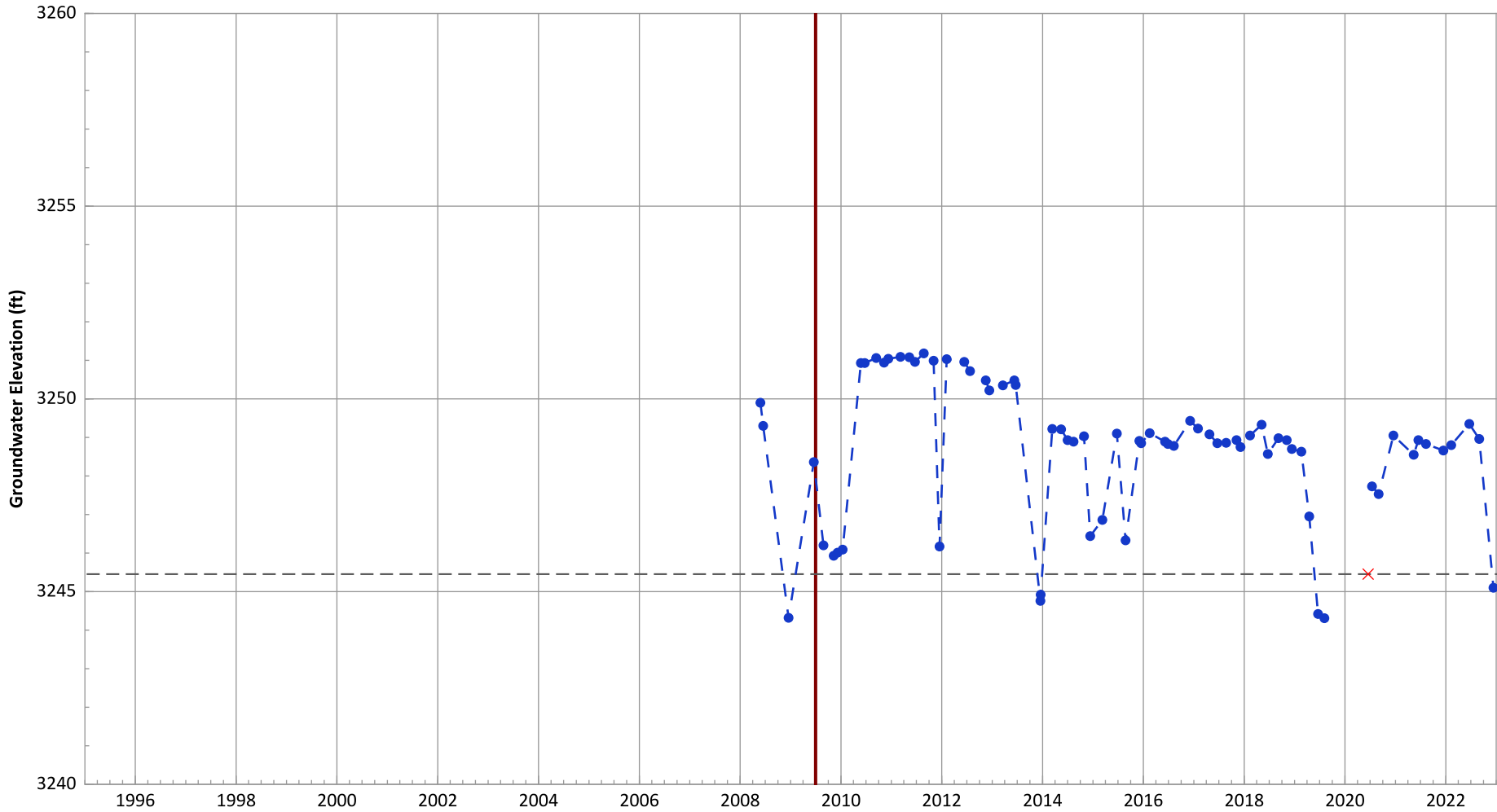
Notes:  
 1. Top of screen elevation is 3255.33 ft msl.  
 2. The bottom of screen elevation is 3245.33 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- - - ● - - - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Decreasing at 0.11 ft/yr

PTX06-ISB048 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



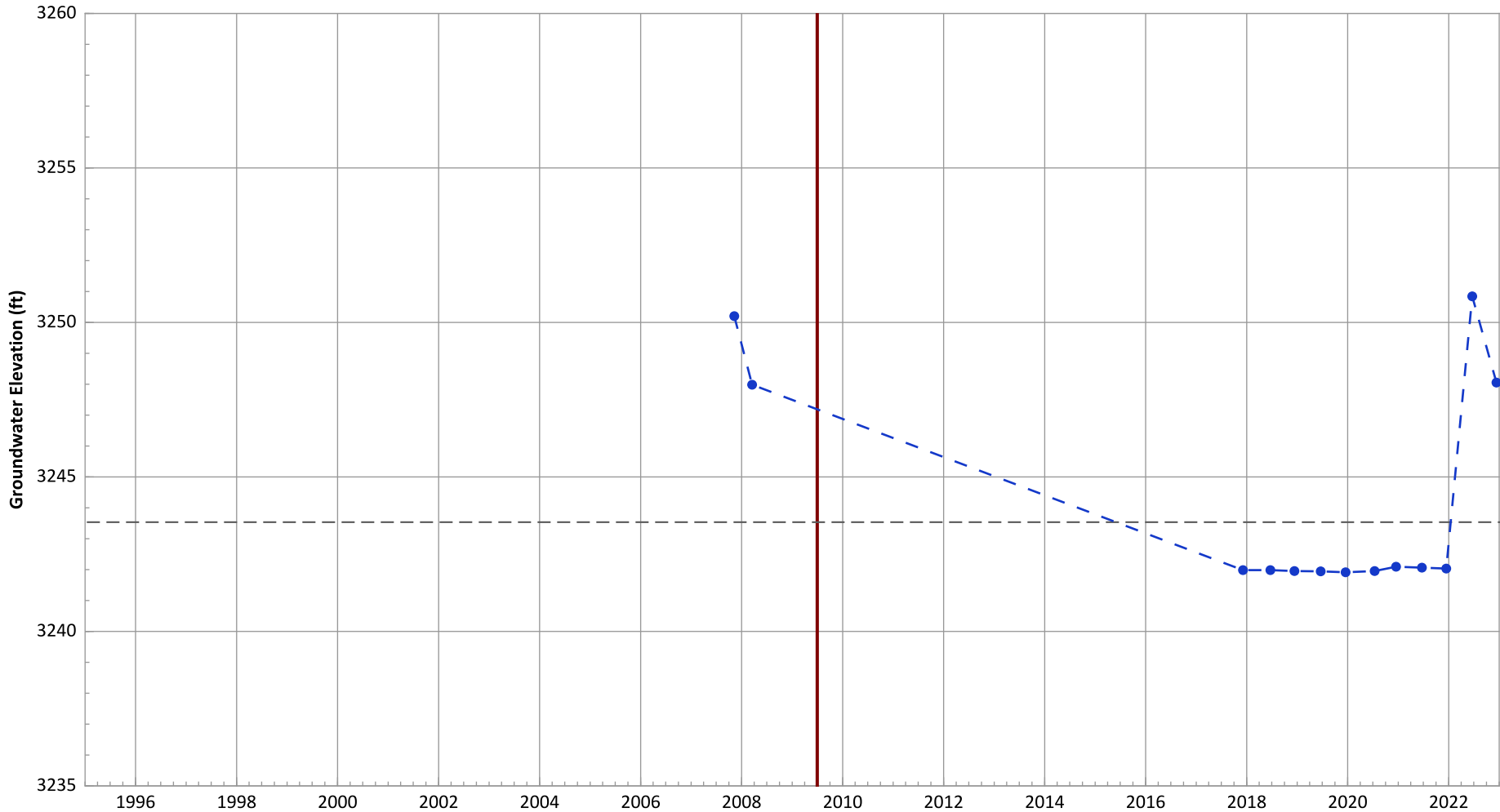
Notes:  
 1. Top of screen elevation is 3255.45 ft msl.  
 2. The bottom of screen elevation is 3245.45 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Decreasing at 0.17 ft/yr

PTX06-ISB049 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



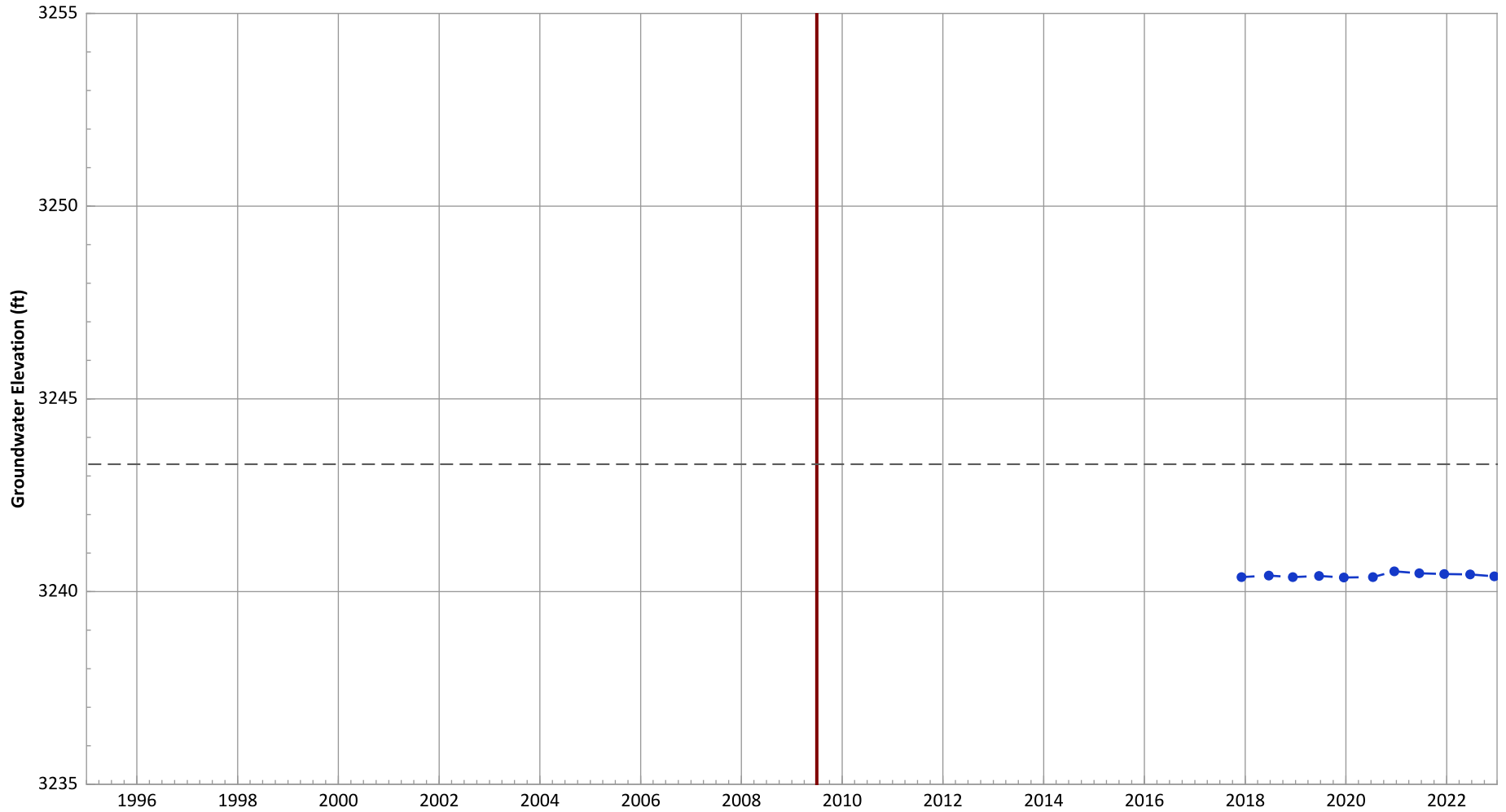
Notes:  
 1. Top of screen elevation is 3253.54 ft msl.  
 2. The bottom of screen elevation is 3243.54 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.3 ft/yr  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB050 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

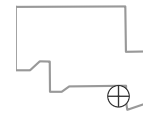


Notes:

1. Top of screen elevation is 3253.3 ft msl.
  2. The bottom of screen elevation is 3243.3 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

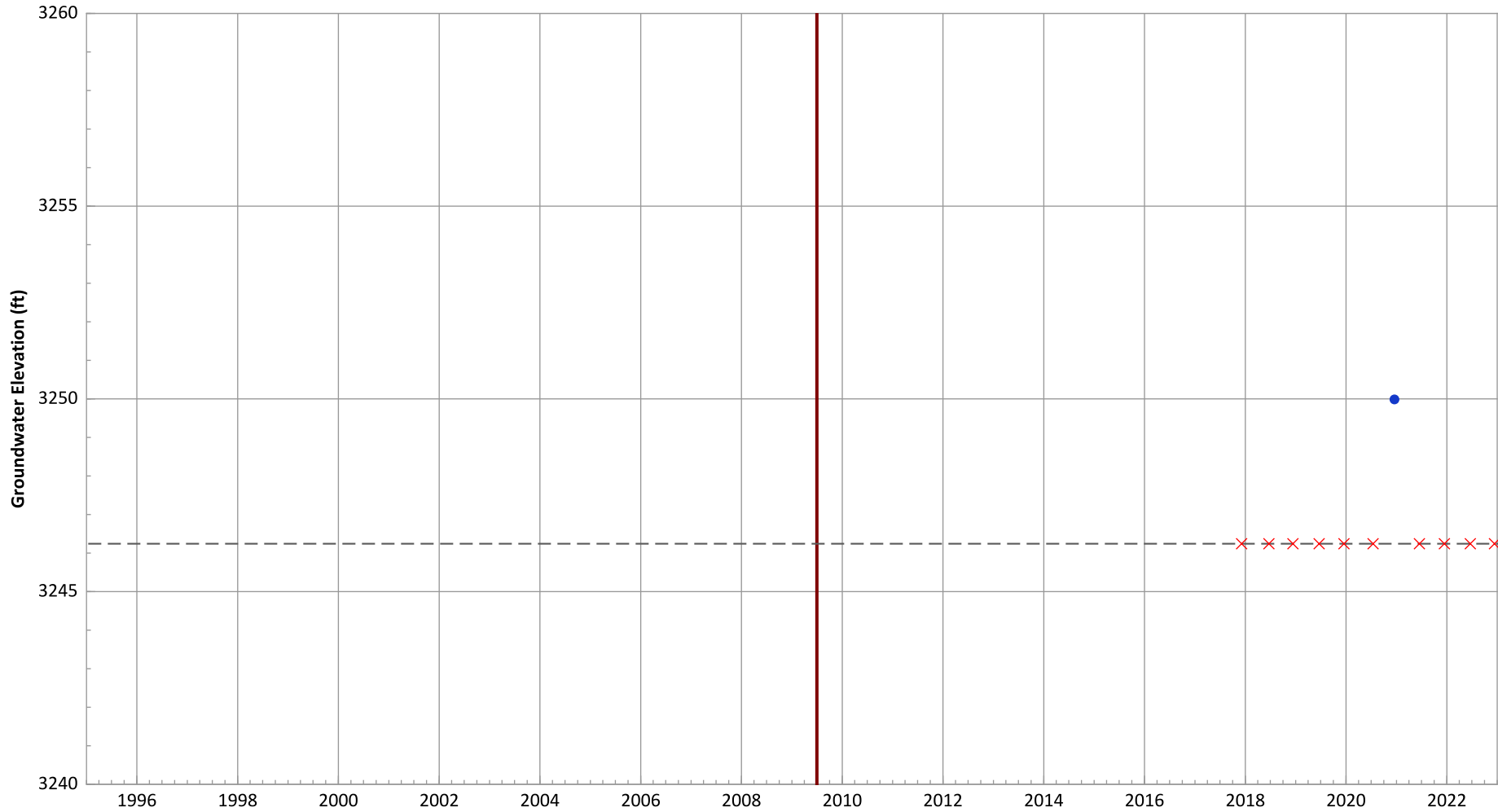
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX06-ISB051 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

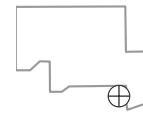


**Notes:**

1. Top of screen elevation is 3256.24 ft msl.
  2. The bottom of screen elevation is 3246.24 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

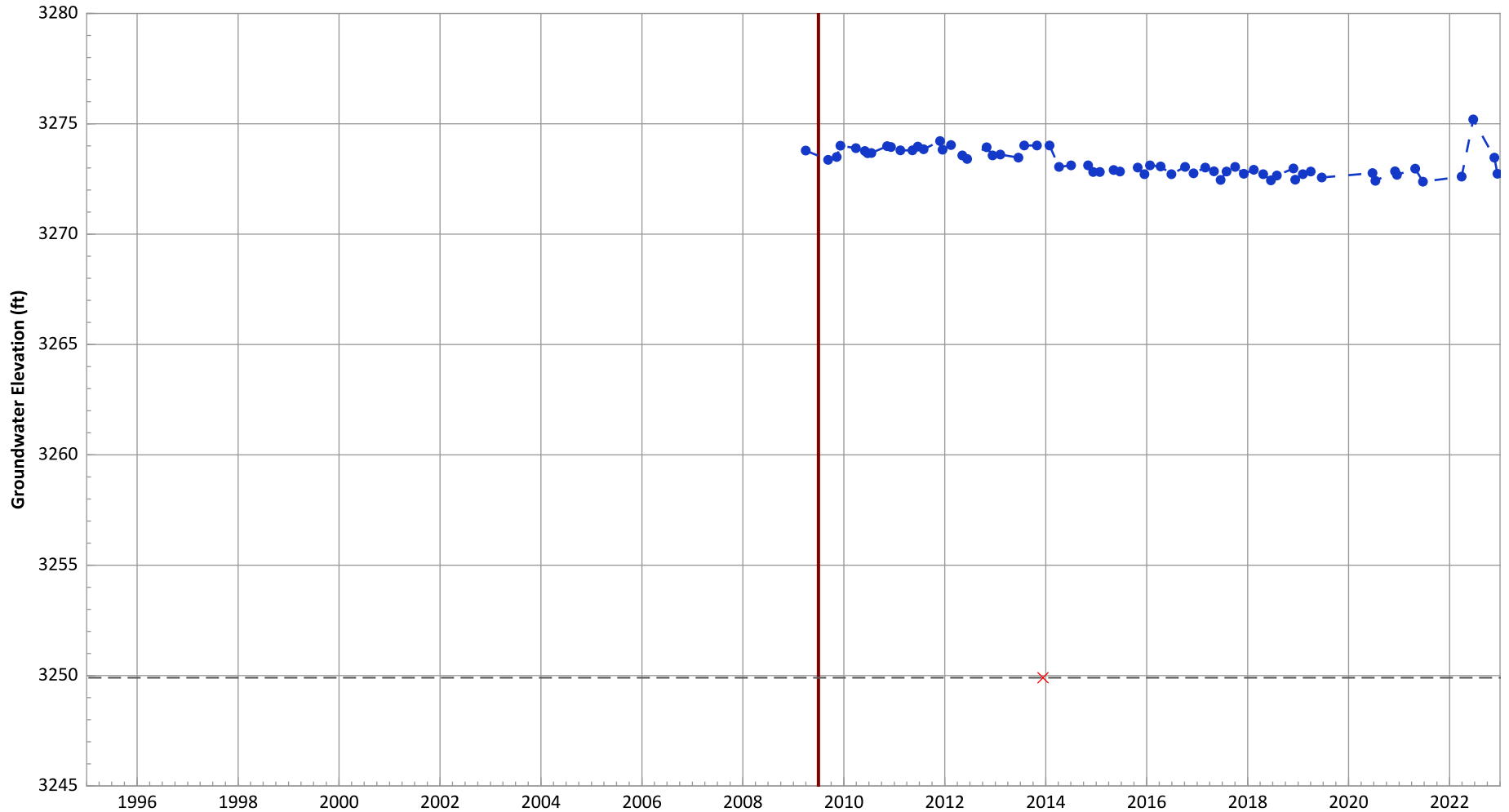
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (<3 Measurements)  
 Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB055 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



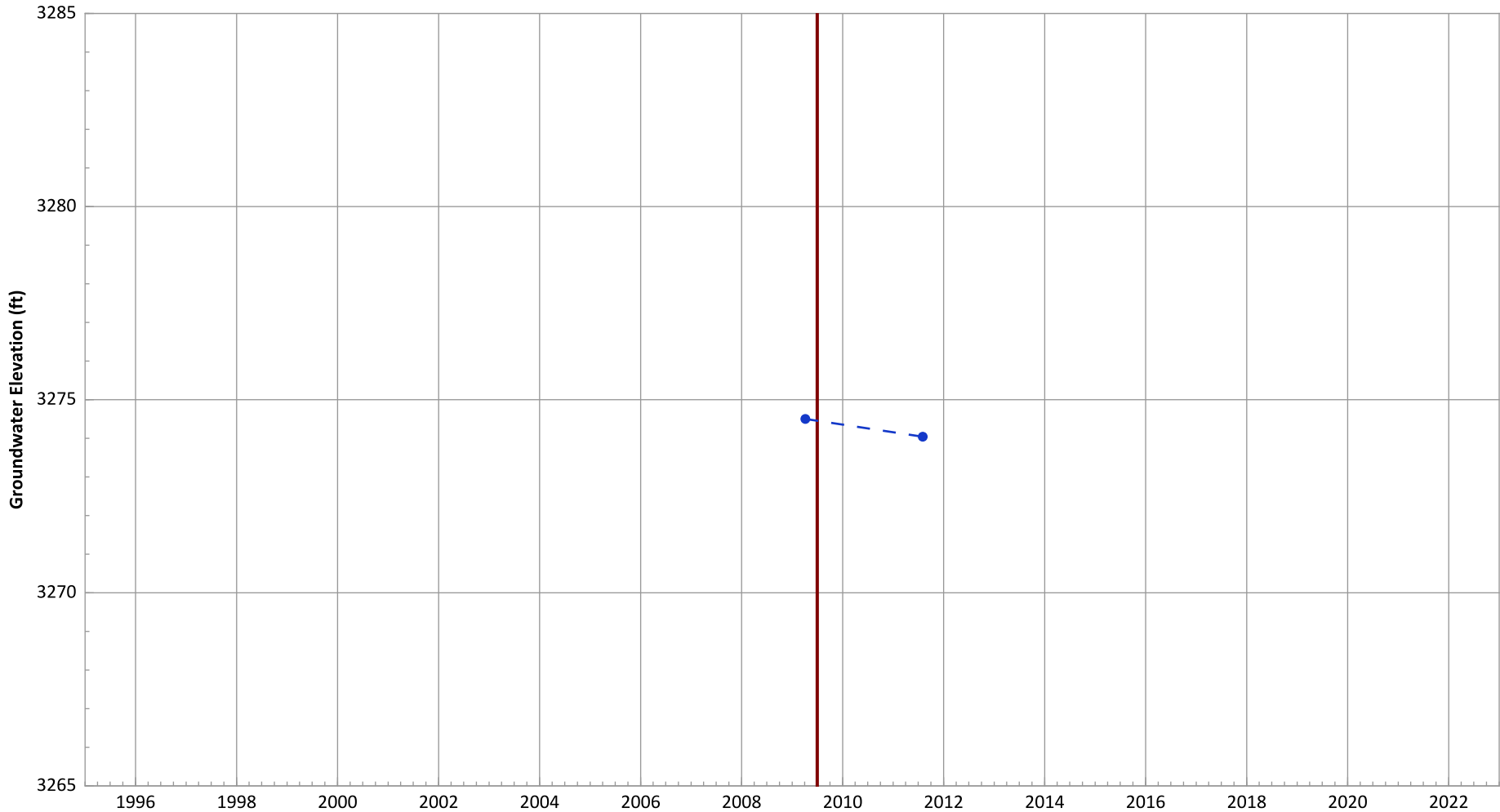
Notes:  
 1. Top of screen elevation is 3269.9 ft msl.  
 2. The bottom of screen elevation is 3249.9 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB057 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

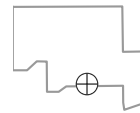


Notes:

- 1. Top of screen elevation is 3274.18 ft msl.
  - 2. The bottom of screen elevation is 3254.18 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

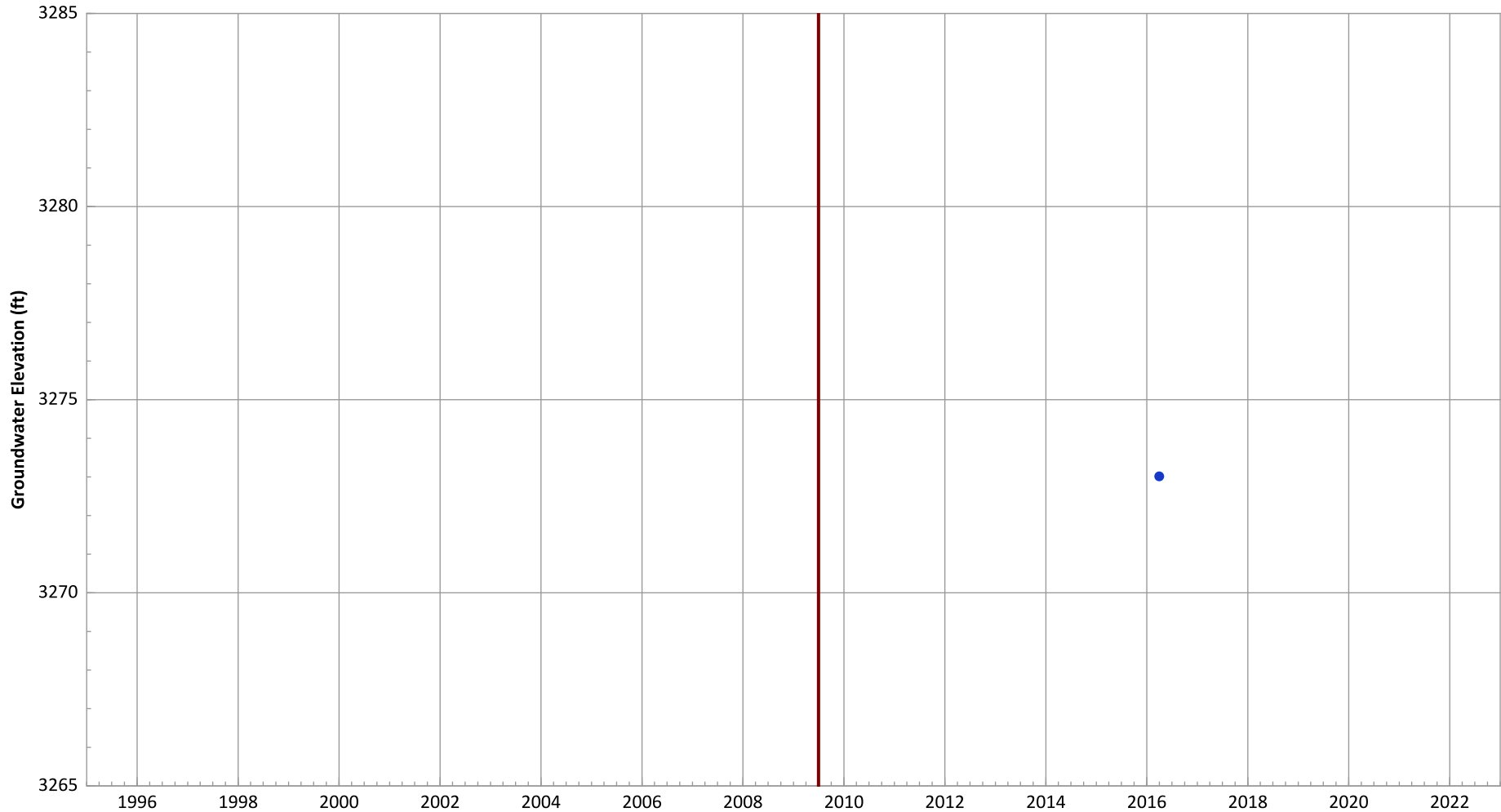
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB058 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



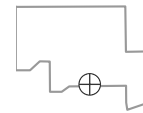
Notes:

- 1. Top of screen elevation is 3272.72 ft msl.
  - 2. The bottom of screen elevation is 3252.72 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

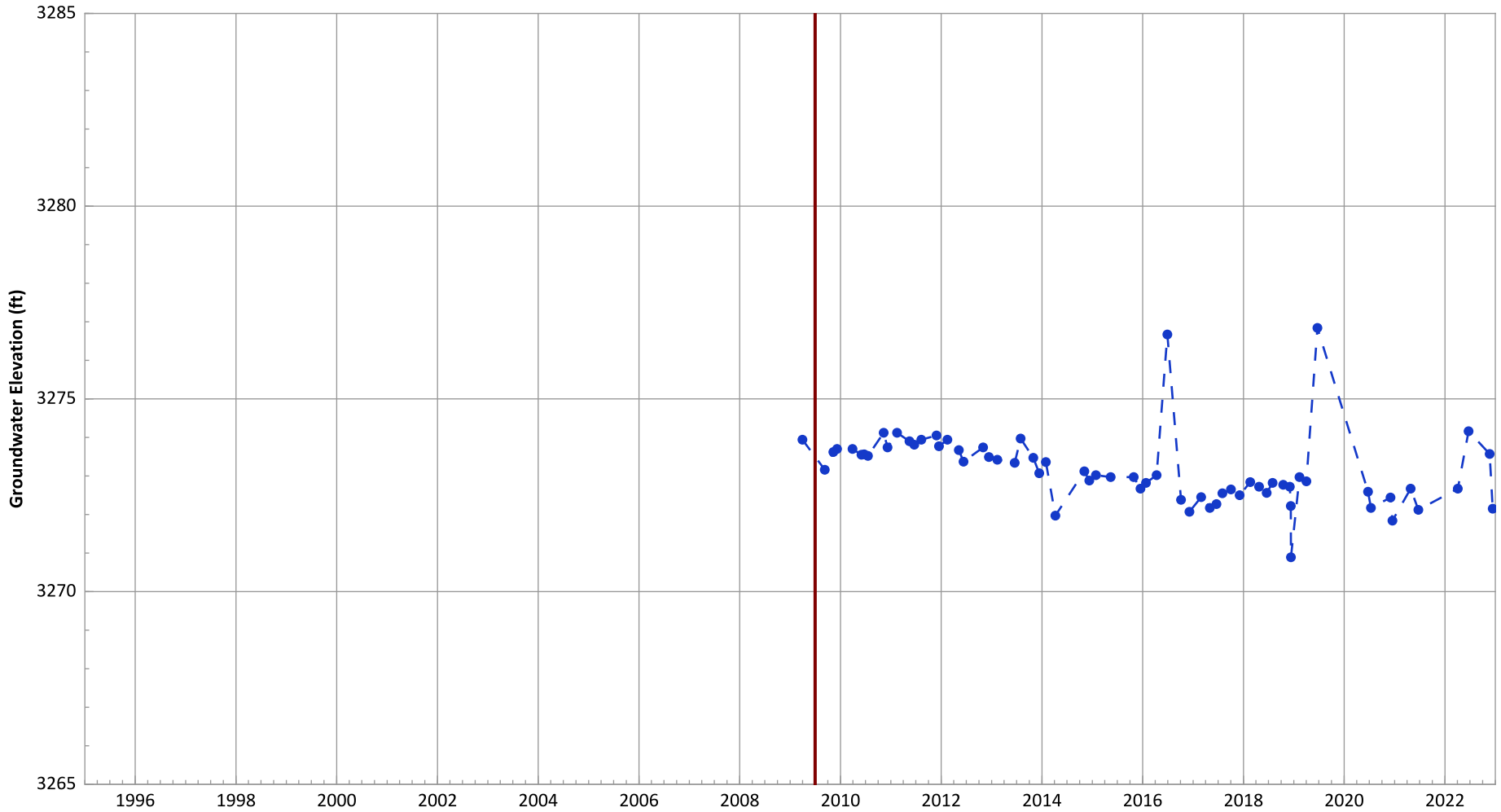


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-ISB059 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



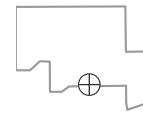
Notes:

1. Top of screen elevation is 3271.55 ft msl.
  2. The bottom of screen elevation is 3251.55 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

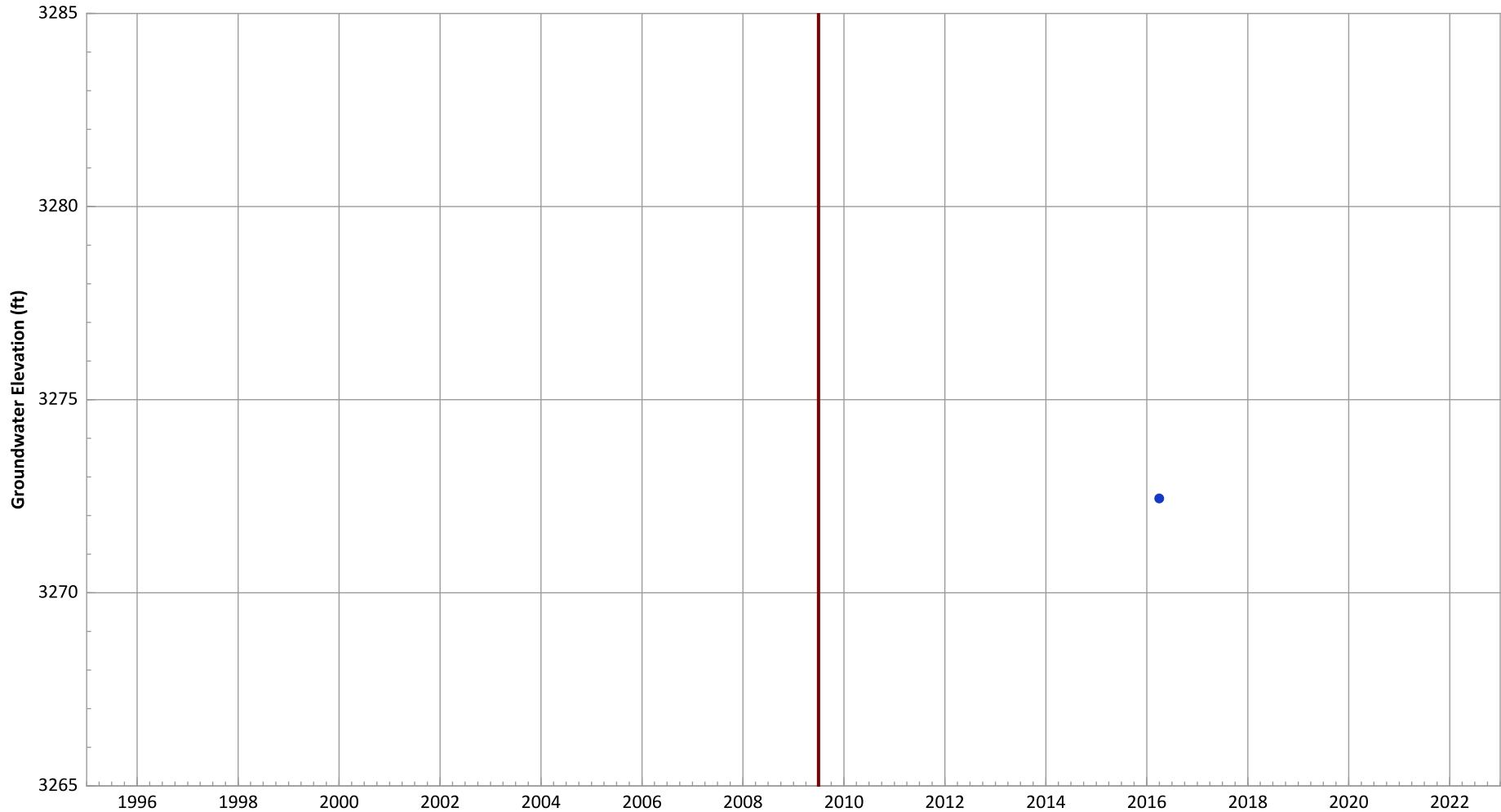
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB060A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



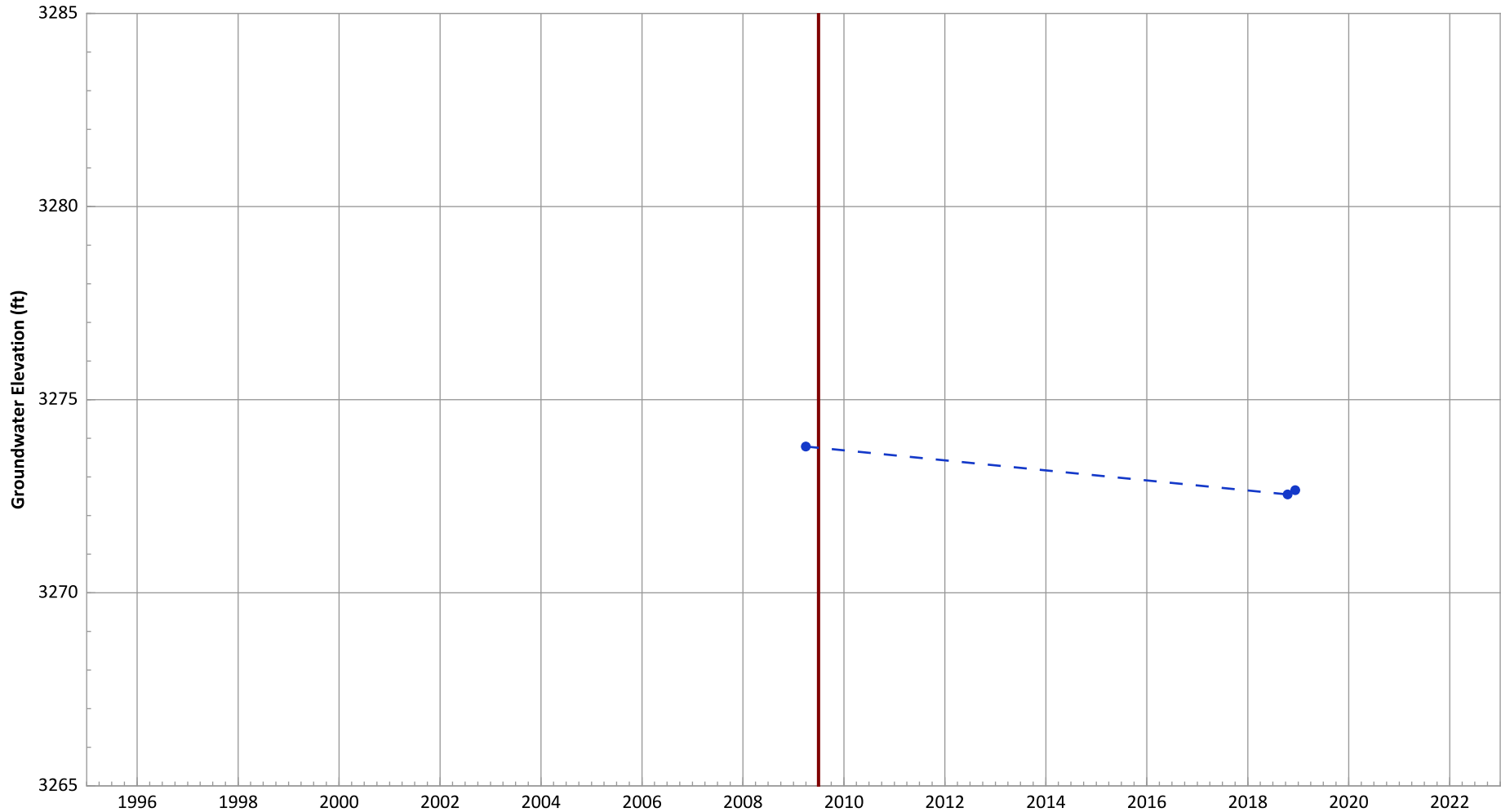
Notes:  
1. Top of screen elevation is 3273.38 ft msl.  
2. The bottom of screen elevation is 3253.38 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB061 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

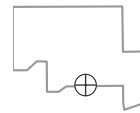


Notes:

1. Top of screen elevation is 3272.95 ft msl.
  2. The bottom of screen elevation is 3253.95 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

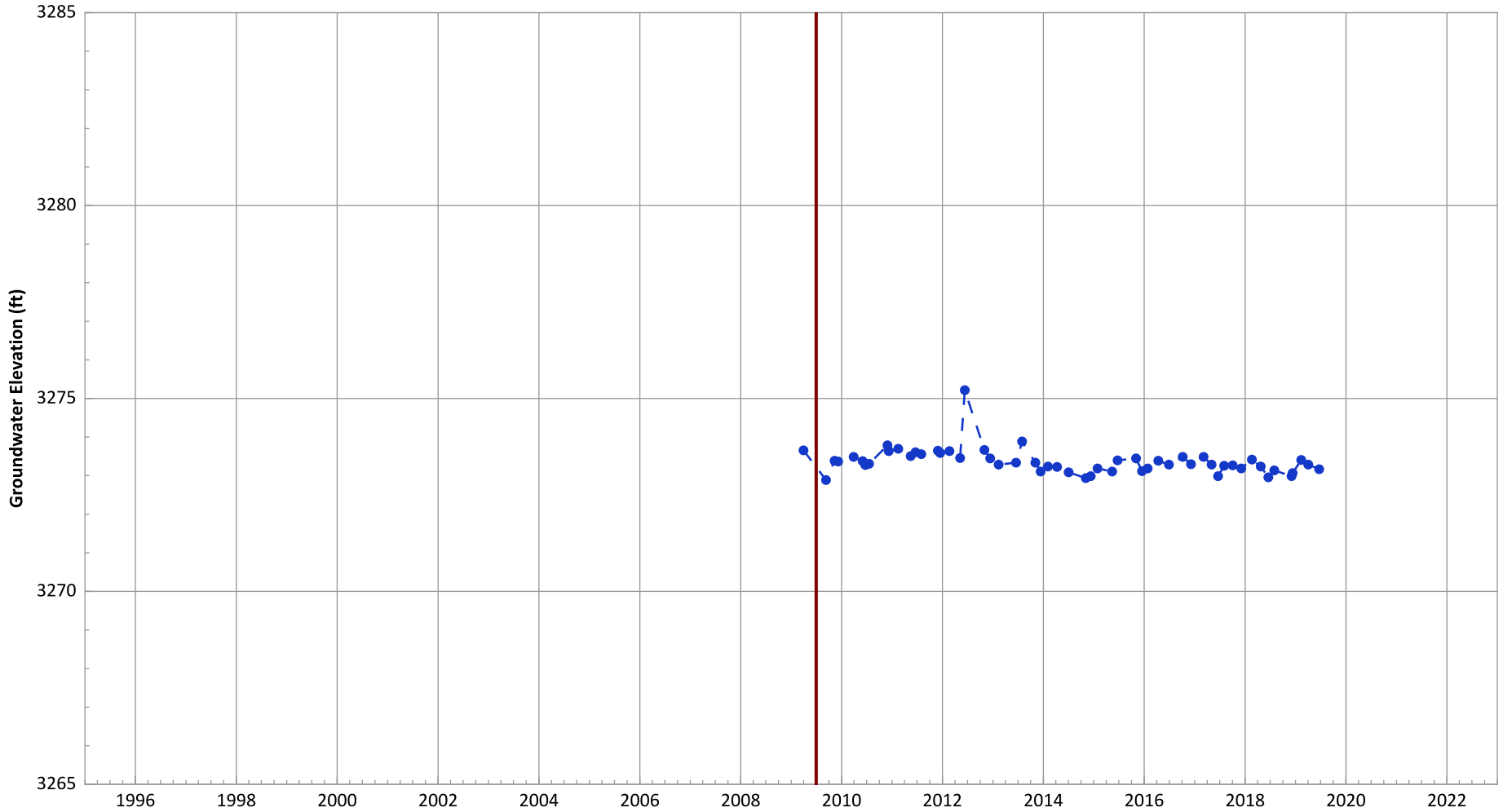
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.12 ft/yr  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB063 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



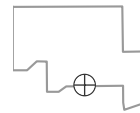
Notes:

1. Top of screen elevation is 3276.7 ft msl.
2. The bottom of screen elevation is 3256.7 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

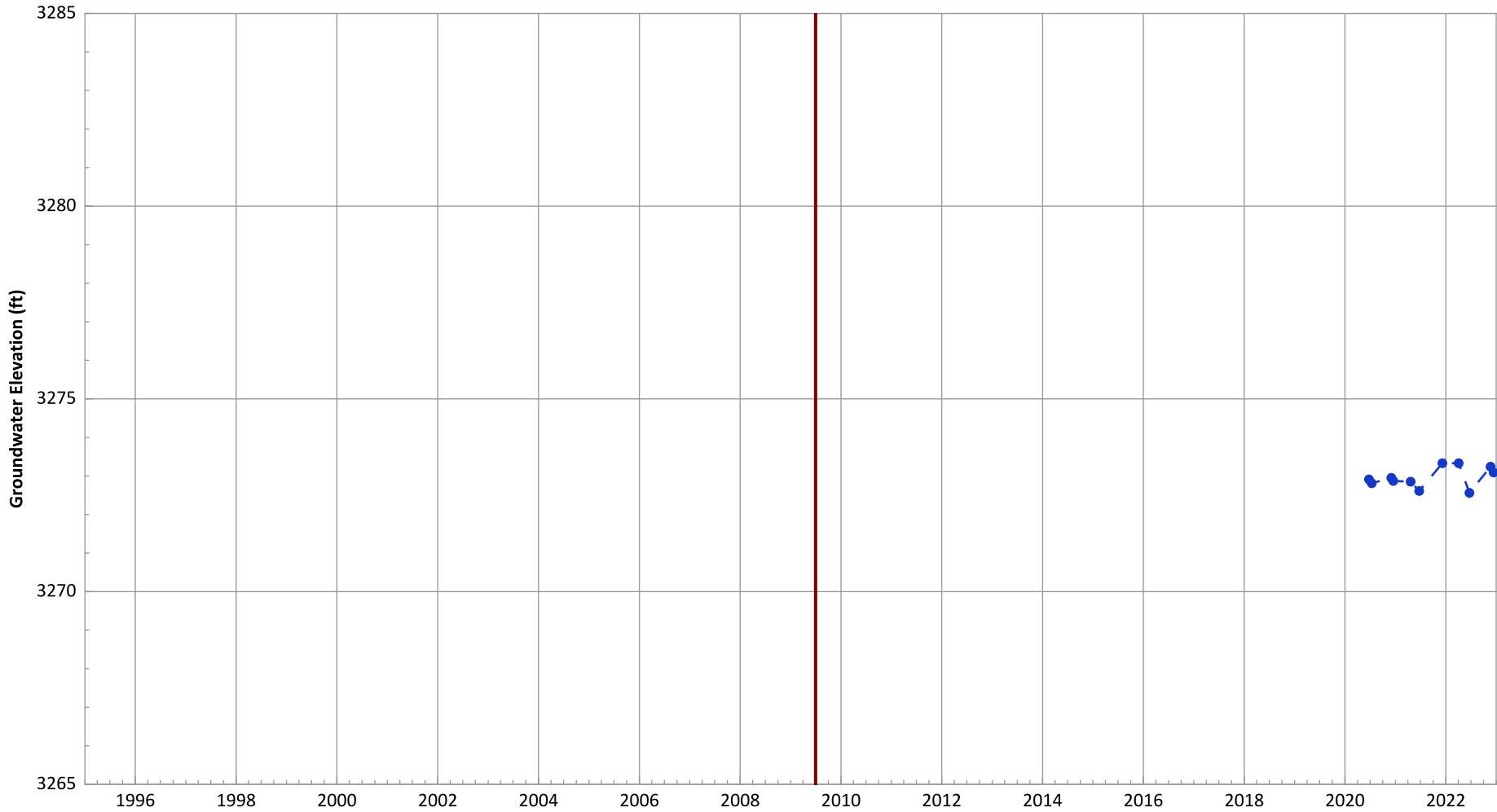
—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB064 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

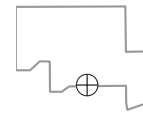


Notes:

1. Top of screen elevation is 3273.76 ft msl.
  2. The bottom of screen elevation is 3253.76 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

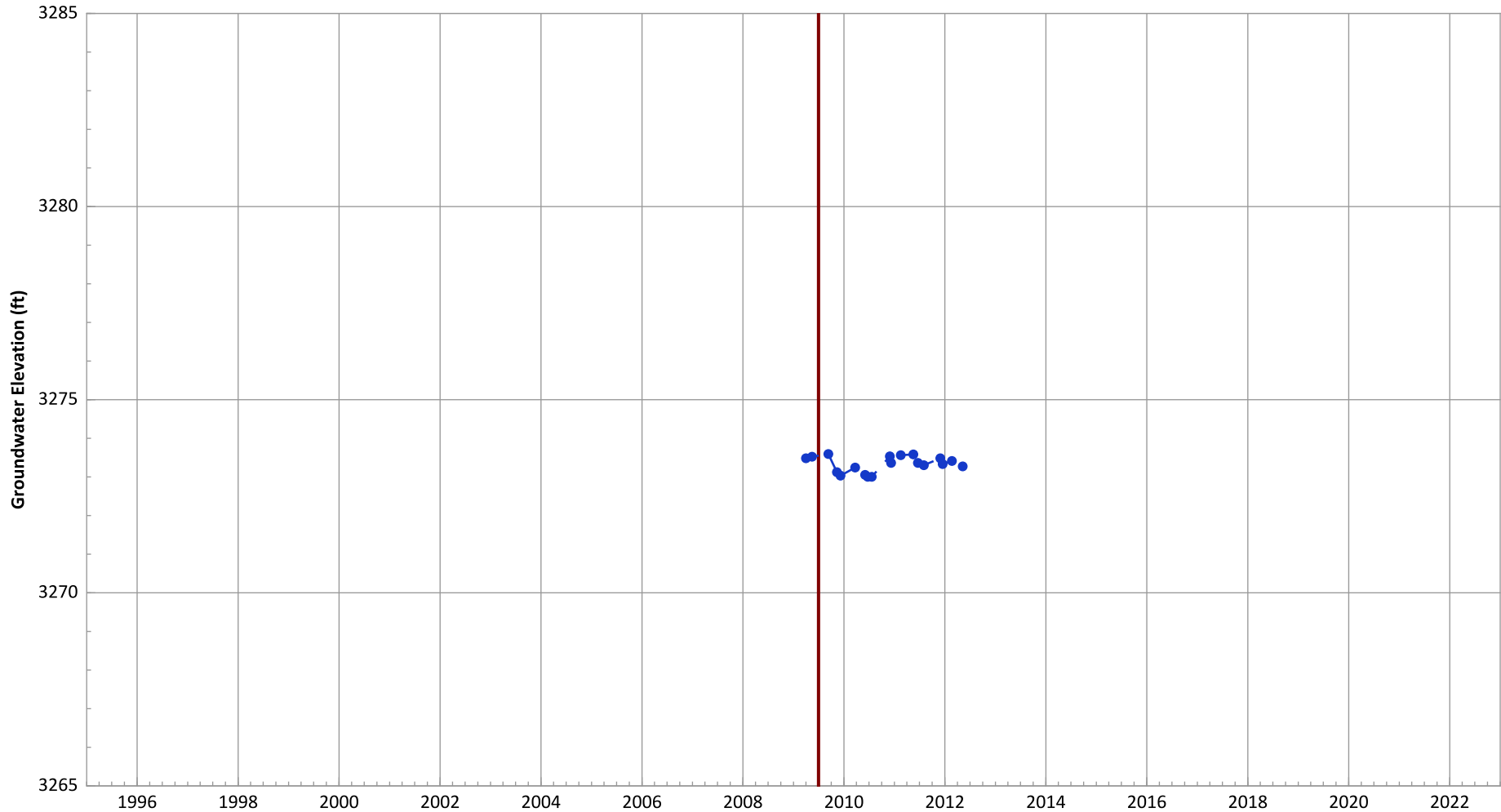
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.11 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

PTX06-ISB065 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



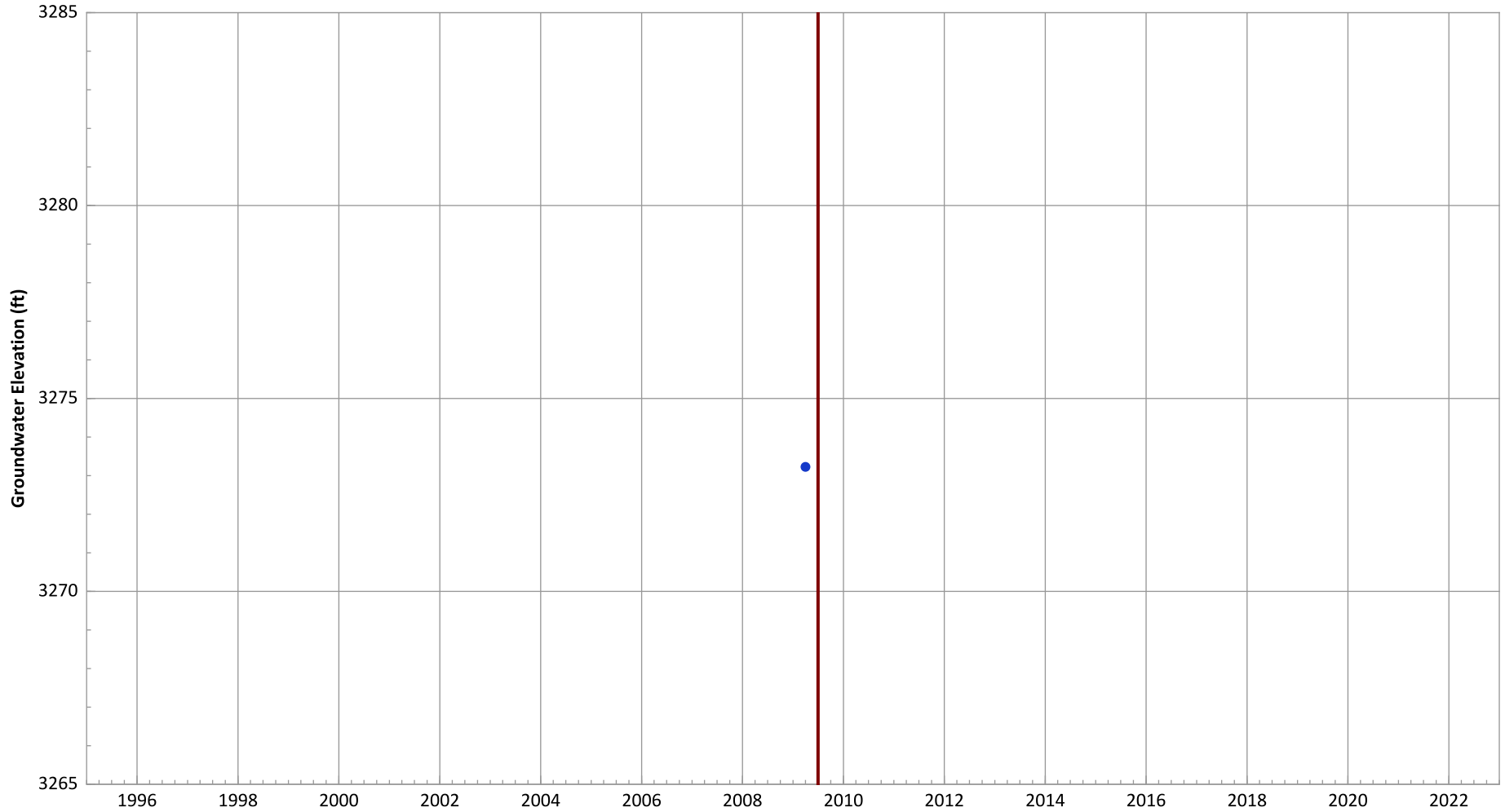
Notes:  
 1. Top of screen elevation is 3274.94 ft msl.  
 2. The bottom of screen elevation is 3254.94 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB067 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



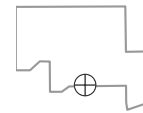
Notes:

1. Top of screen elevation is 3275.56 ft msl.
2. The bottom of screen elevation is 3255.56 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



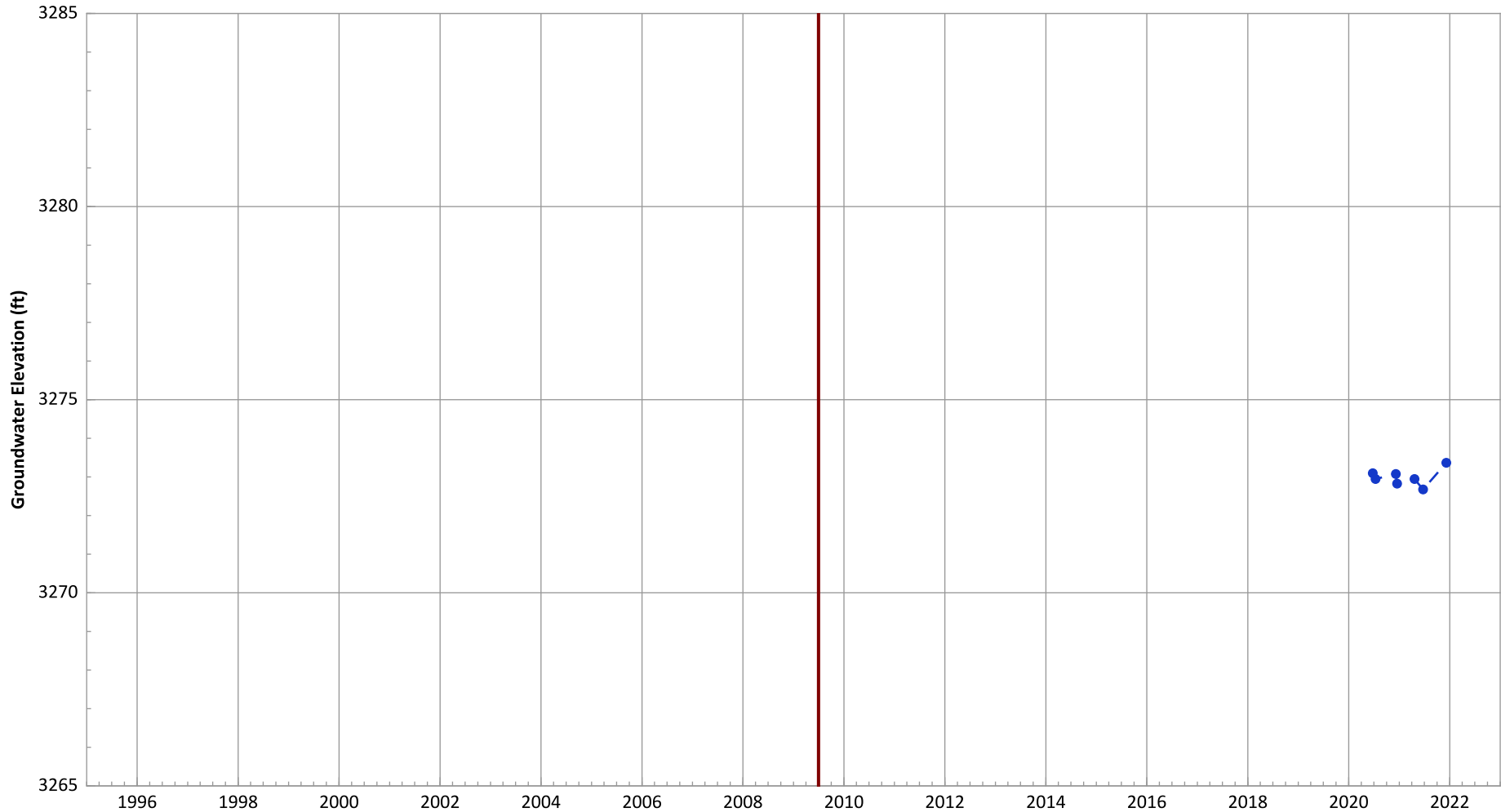
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB068 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



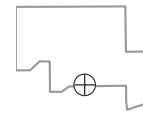
Notes:

- 1. Top of screen elevation is 3275.67 ft msl.
- 2. The bottom of screen elevation is 3255.67 ft msl.
- 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

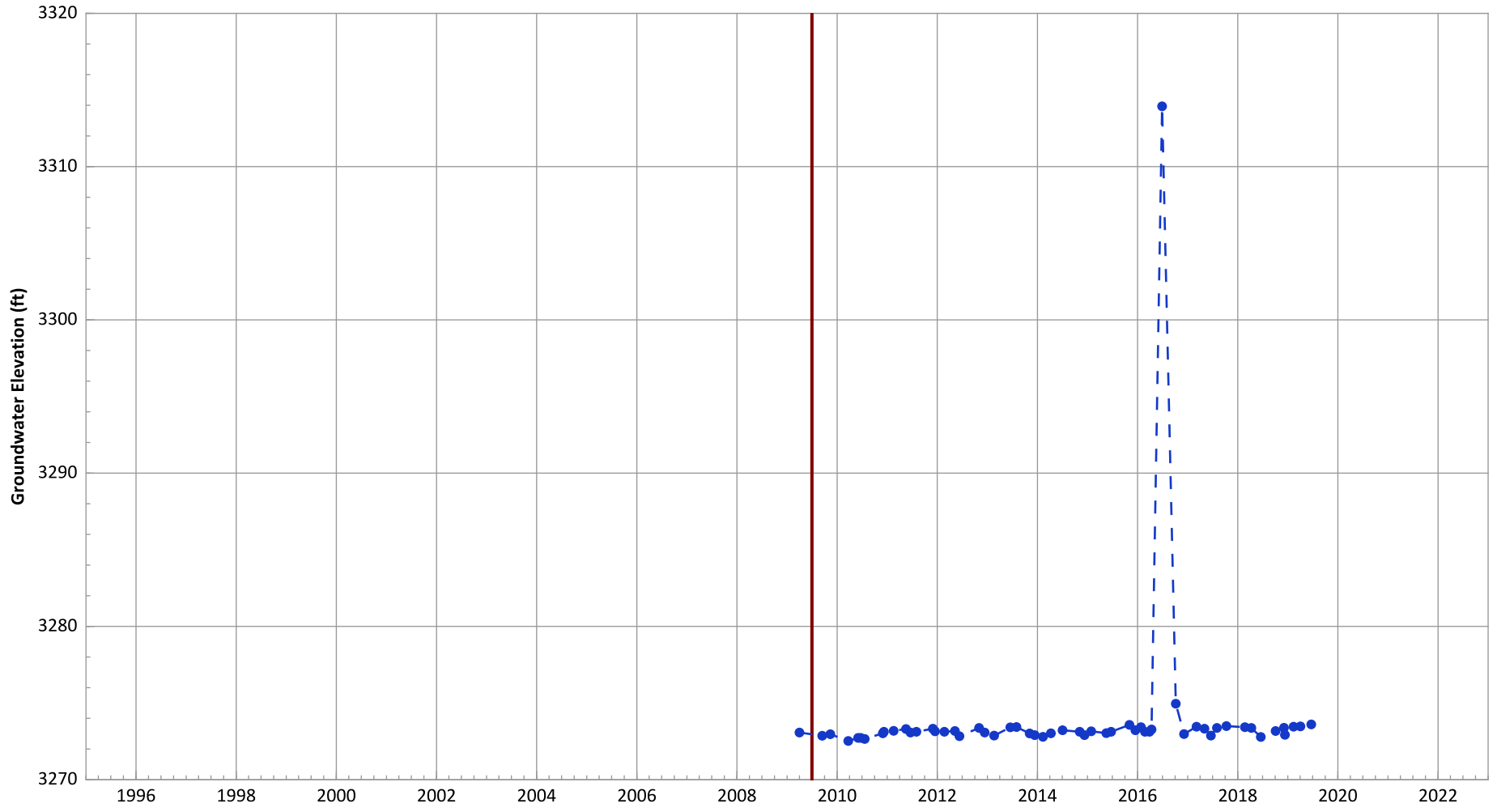
Well Location



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend



**PTX06-ISB069A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



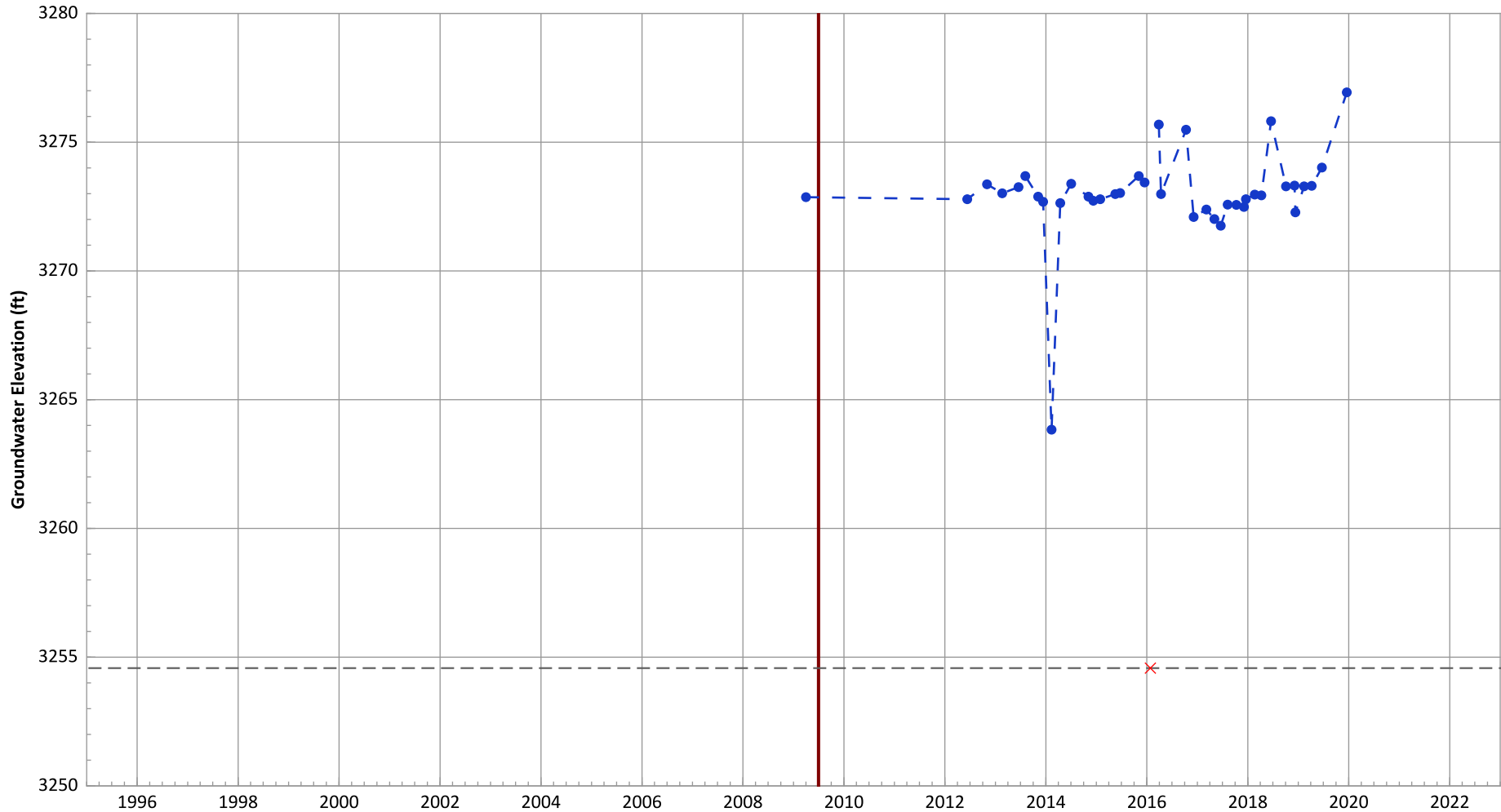
Notes:  
 1. Top of screen elevation is 3276.05 ft msl.  
 2. The bottom of screen elevation is 3256.05 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.21 ft/yr  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB071 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



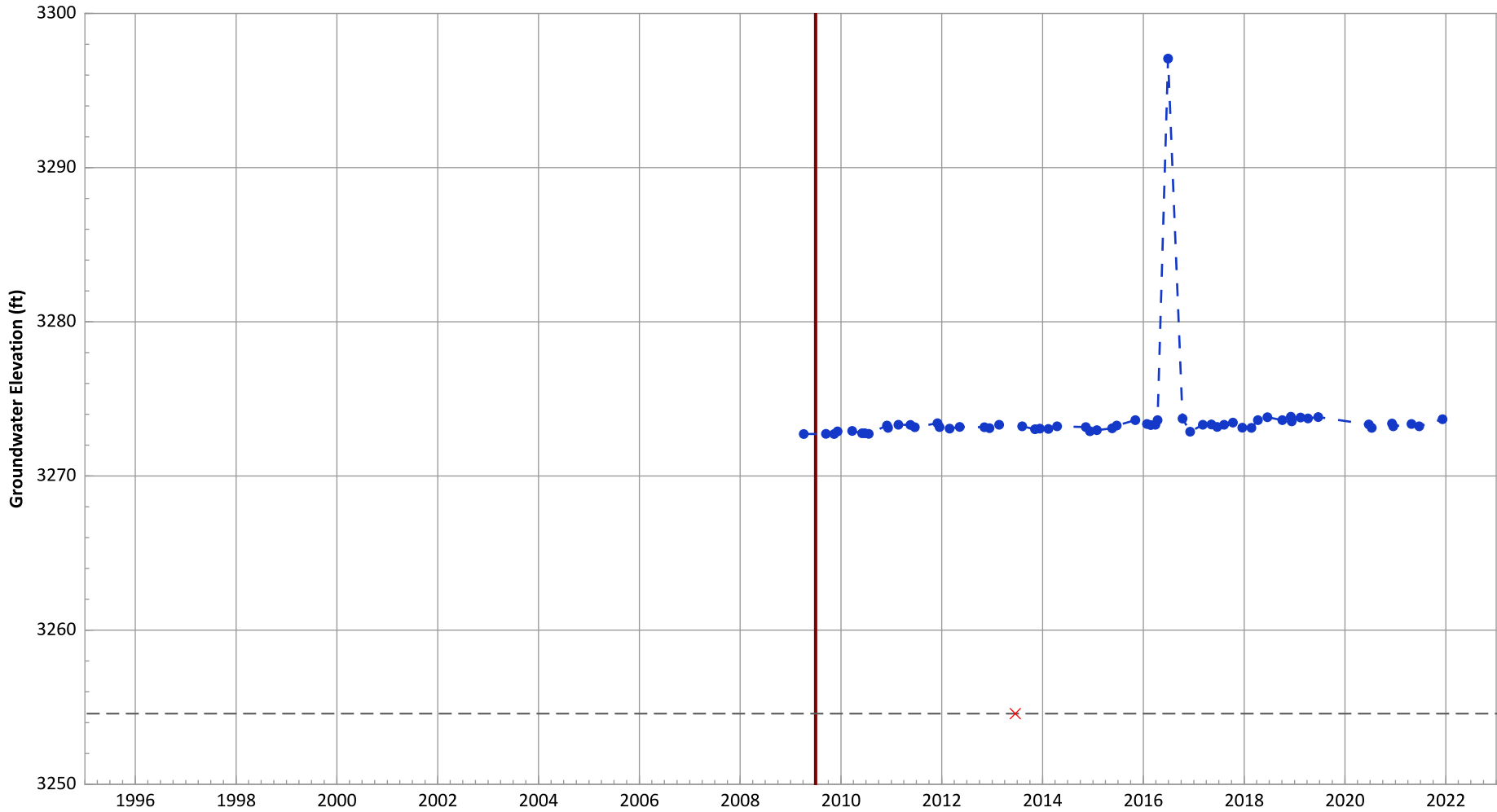
Notes:  
 1. Top of screen elevation is 3274.57 ft msl.  
 2. The bottom of screen elevation is 3254.57 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.18 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.11 ft/yr

PTX06-ISB073 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

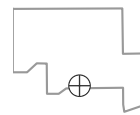


Notes:

1. Top of screen elevation is 3274.59 ft msl.
  2. The bottom of screen elevation is 3254.59 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

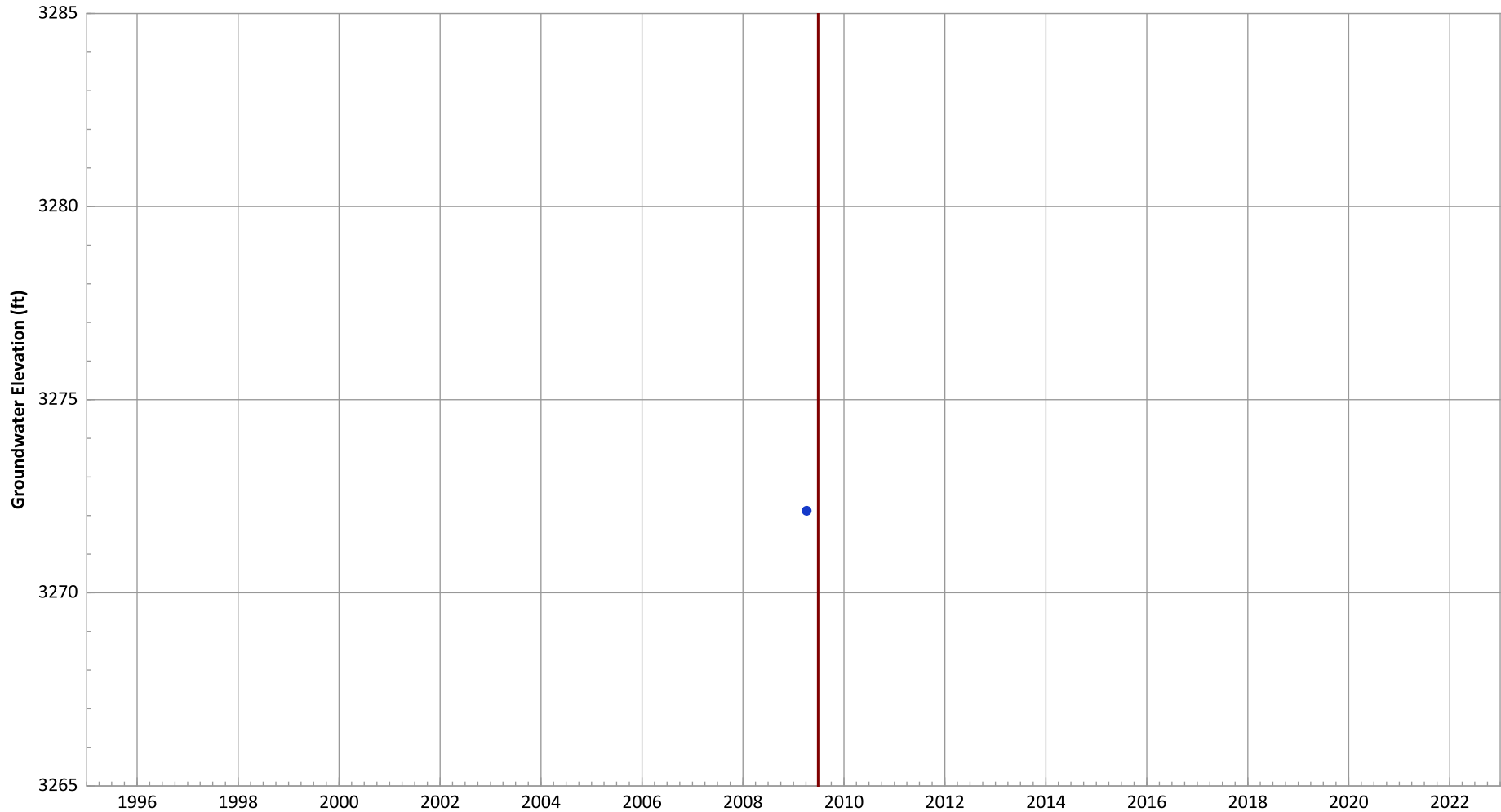
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB074 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



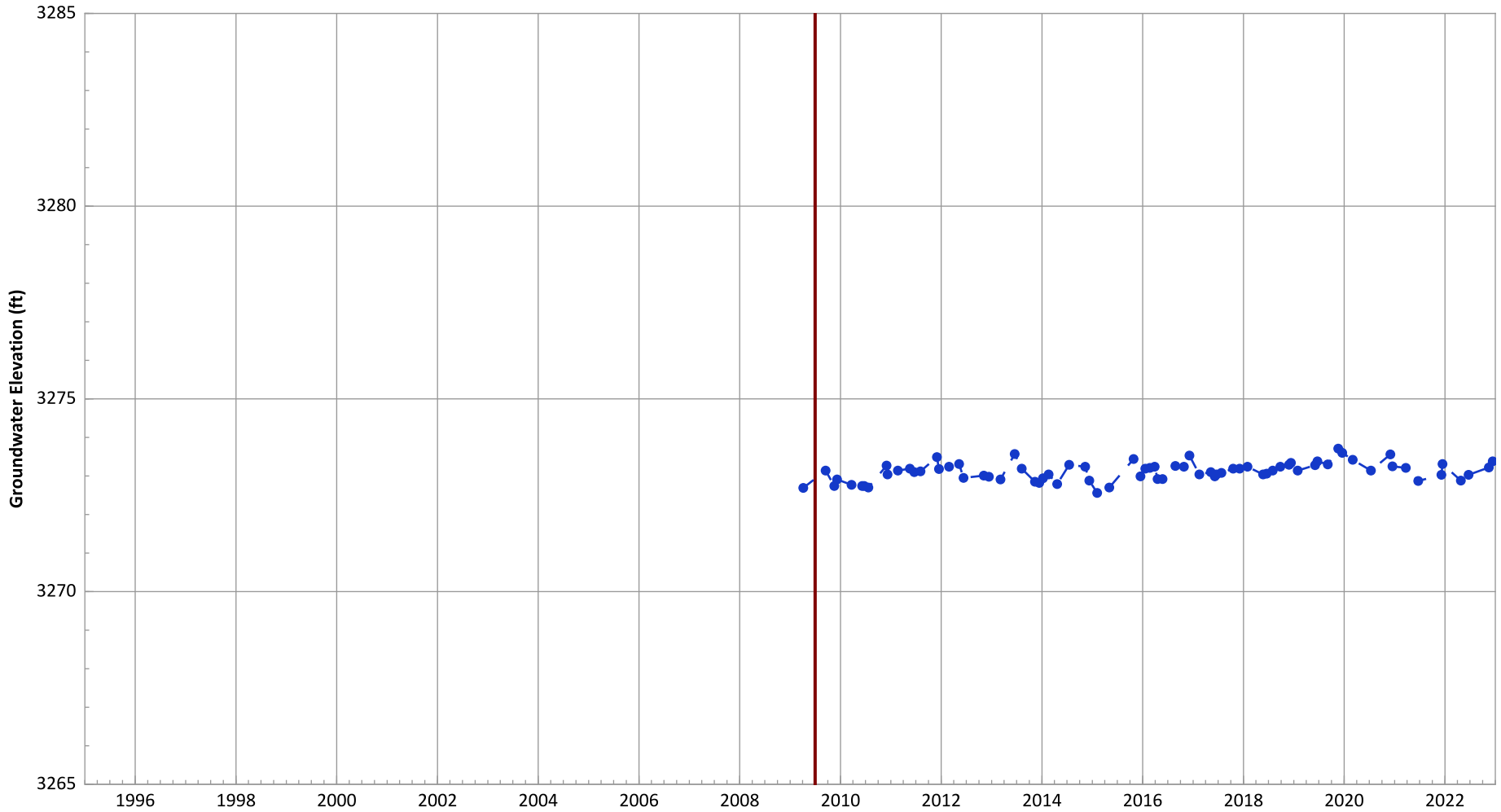
Notes:  
1. Top of screen elevation is 3279.2 ft msl.  
2. The bottom of screen elevation is 3259.2 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB075 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



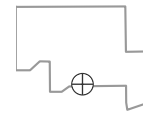
Notes:

1. Top of screen elevation is 3279.57 ft msl.
2. The bottom of screen elevation is 3259.57 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

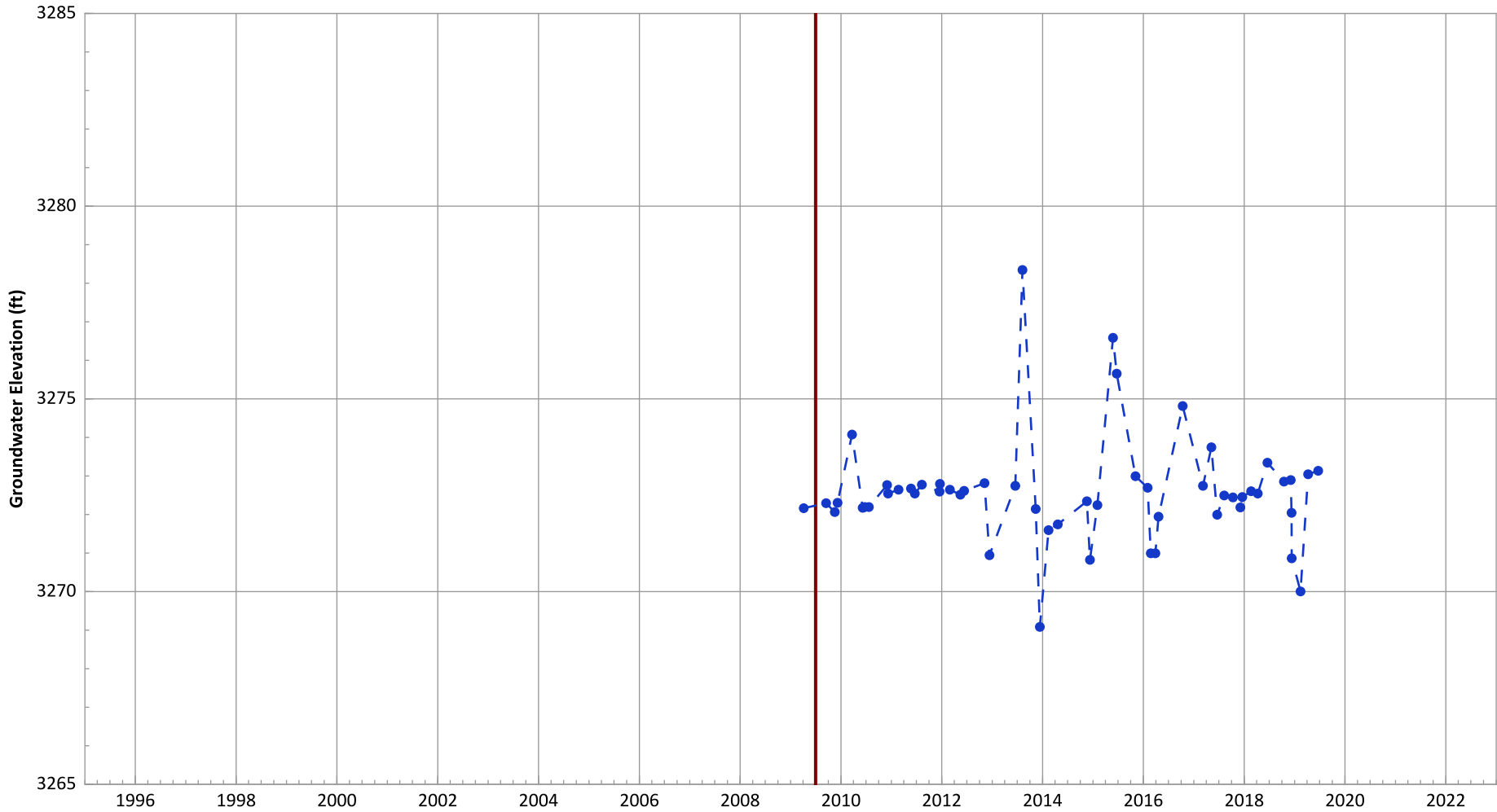
—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

PTX06-ISB077 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

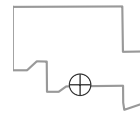


Notes:

1. Top of screen elevation is 3275.82 ft msl.
  2. The bottom of screen elevation is 3255.82 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

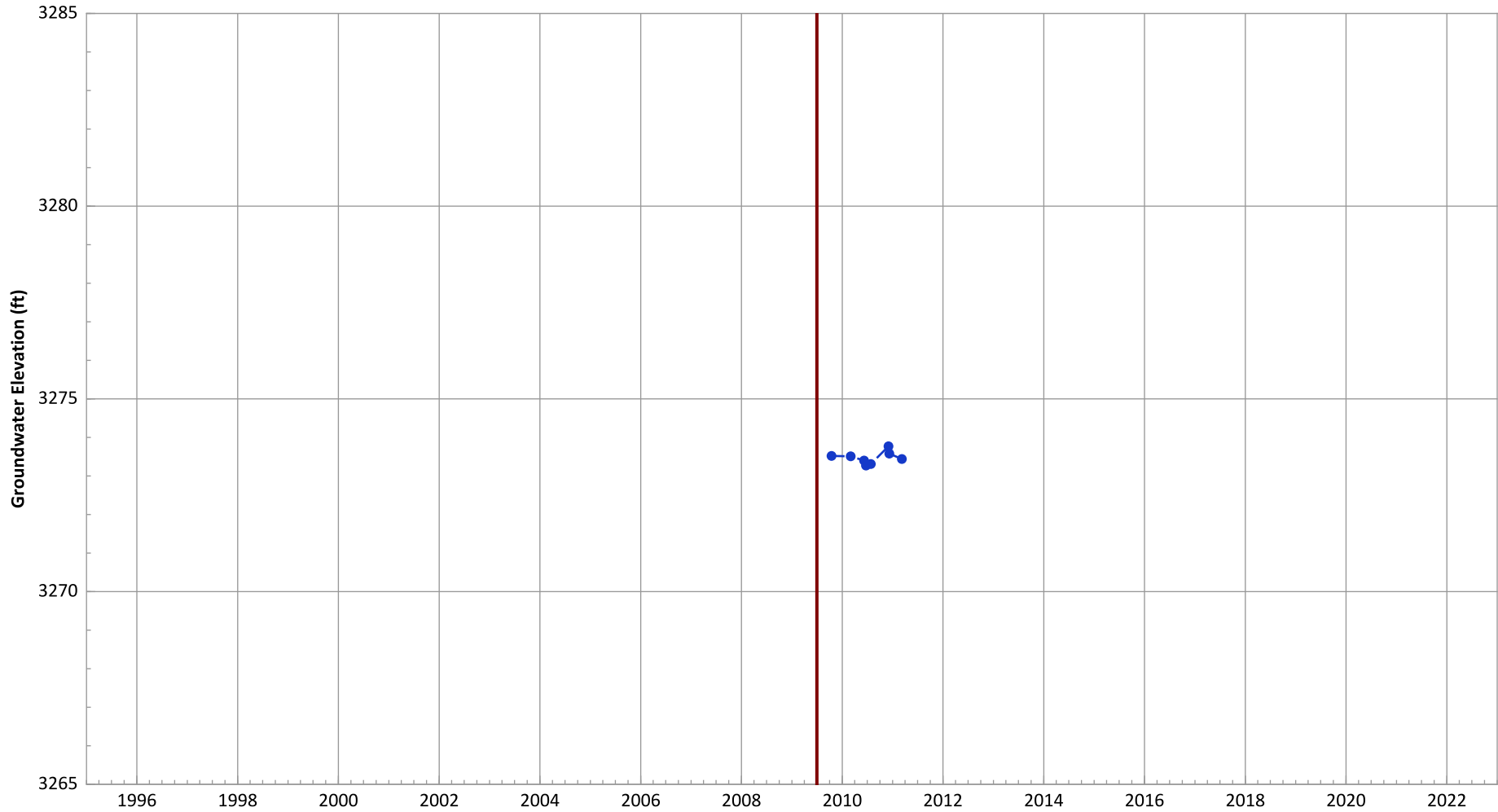
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.29 ft/yr

PTX06-ISB078 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



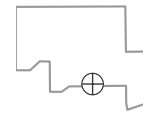
Notes:

1. Top of screen elevation is 3275.41 ft msl.
2. The bottom of screen elevation is 3250.41 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



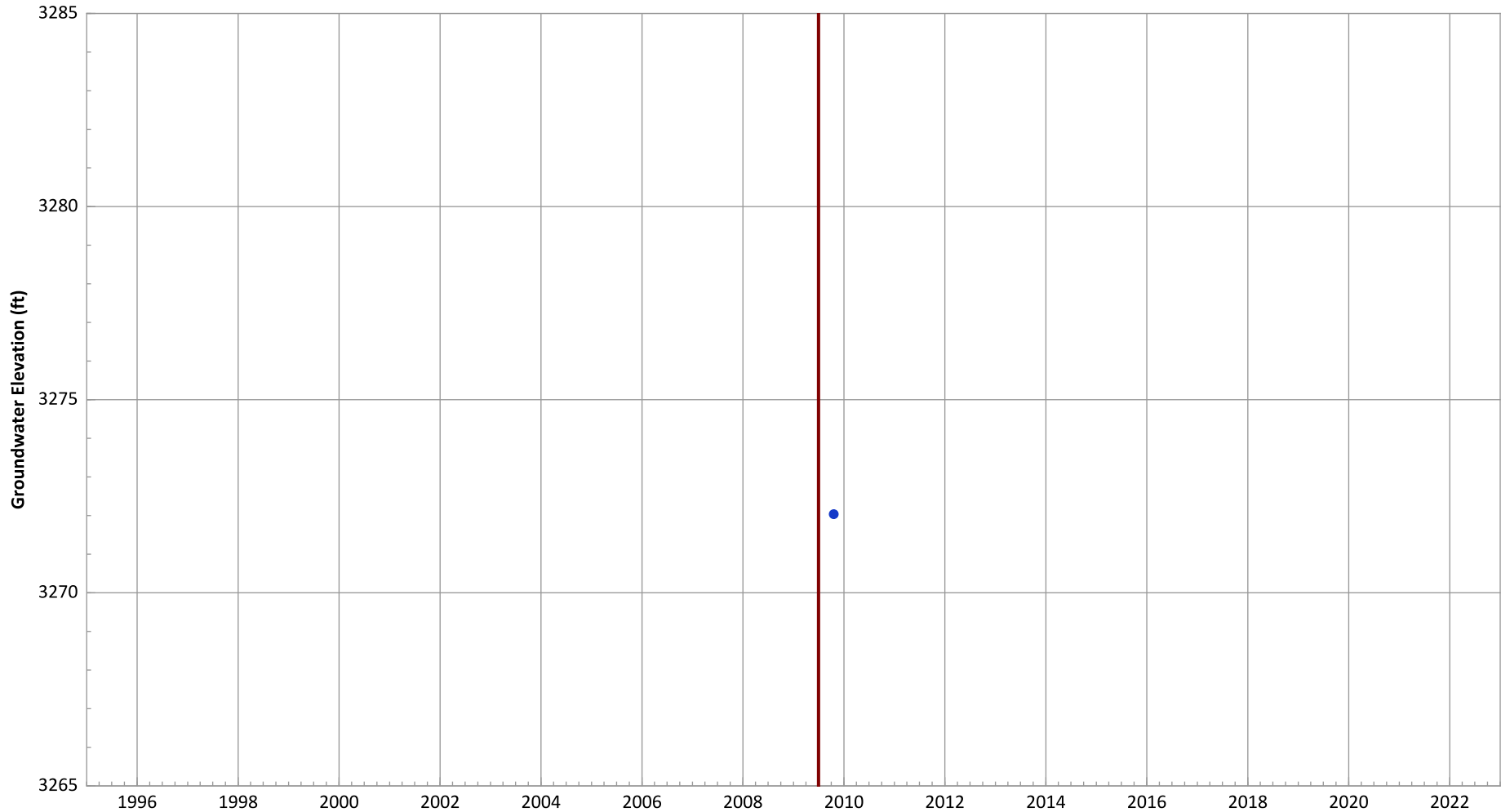
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: No Trend

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB083 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



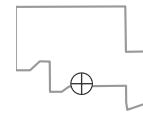
Notes:

- 1. Top of screen elevation is 3278.95 ft msl.
  - 2. The bottom of screen elevation is 3258.95 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

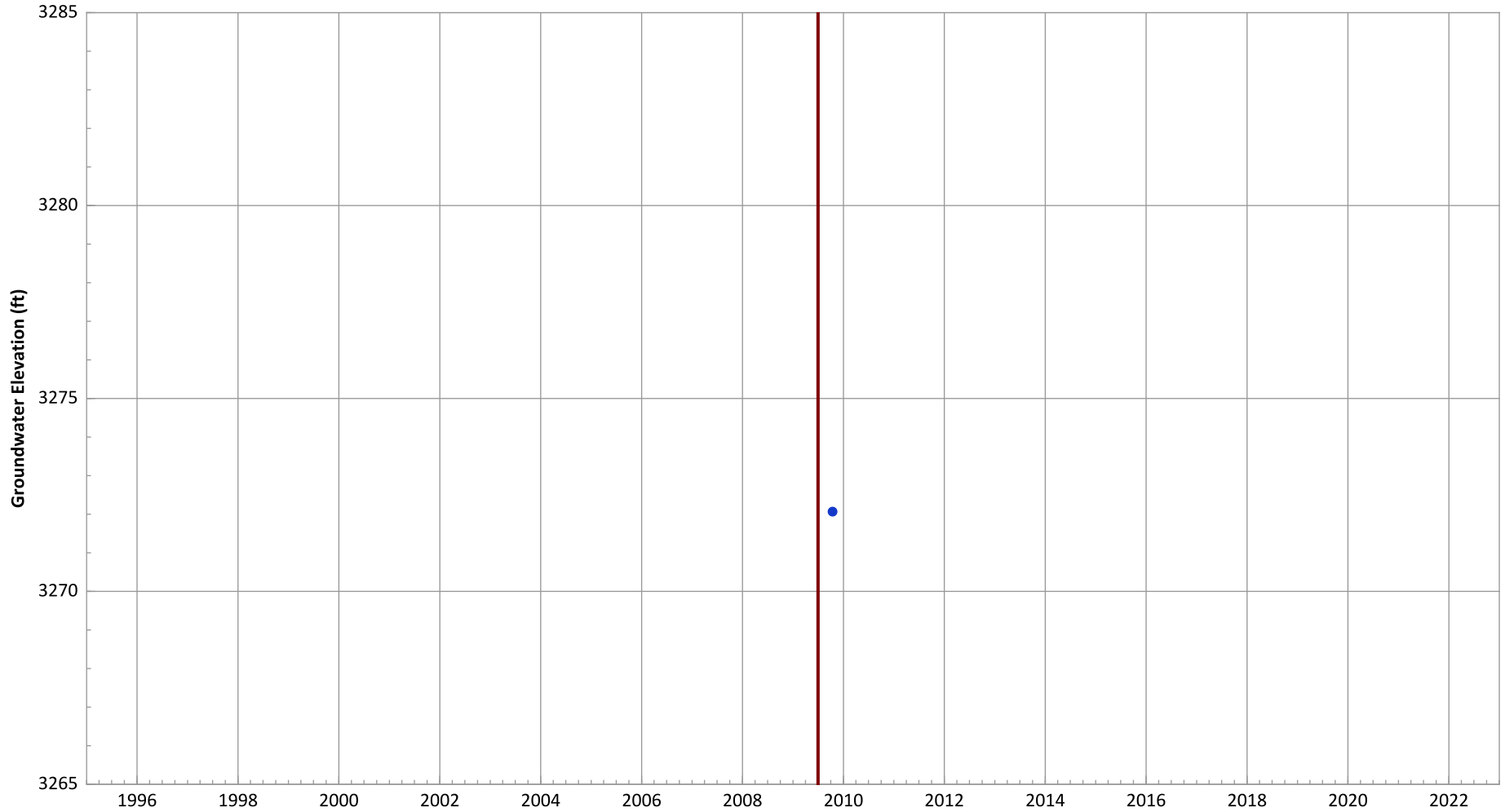


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-ISB084 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



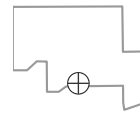
Notes:

- 1. Top of screen elevation is 3272.93 ft msl.
  - 2. The bottom of screen elevation is 3257.93 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



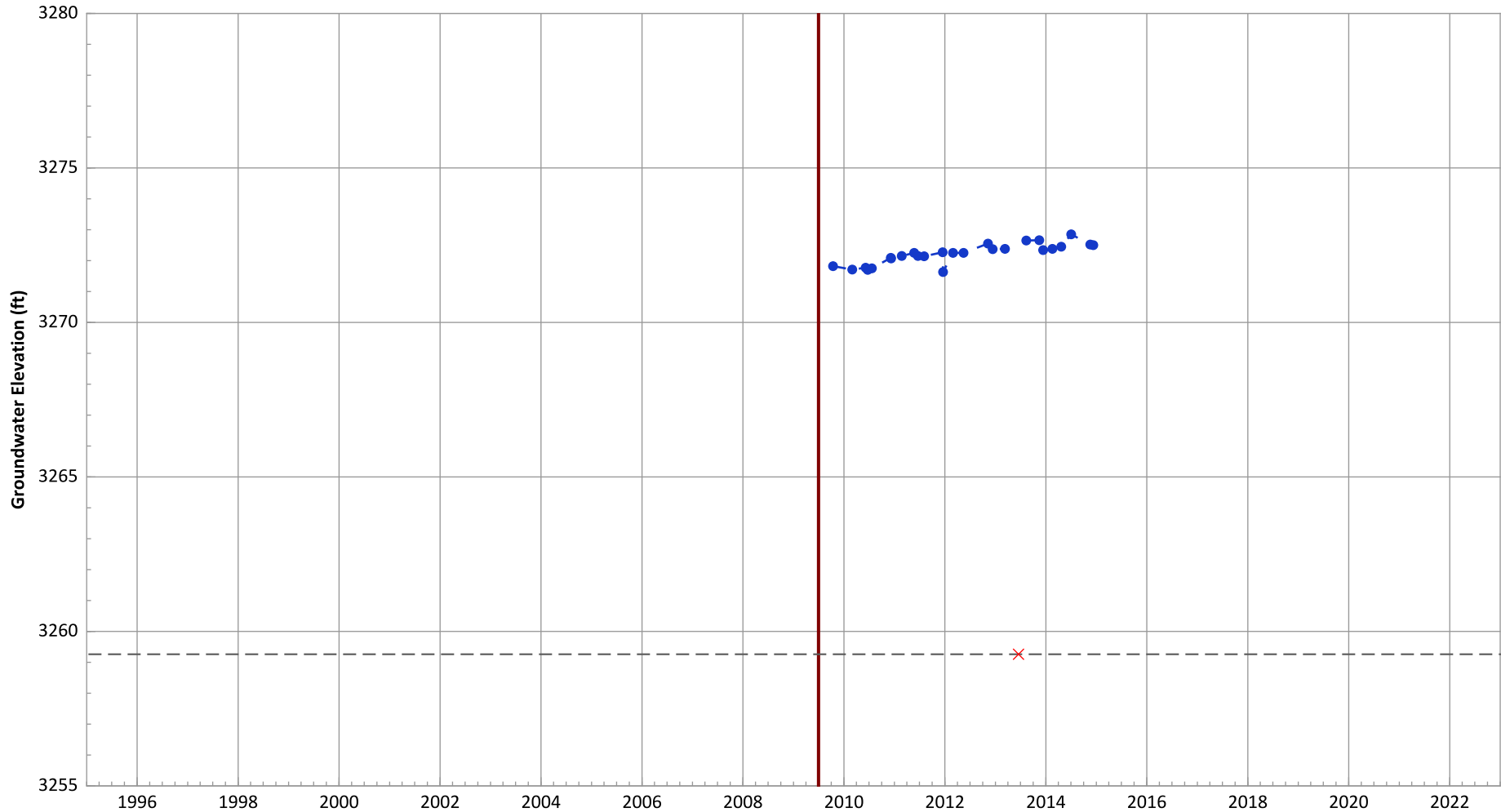
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB085A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



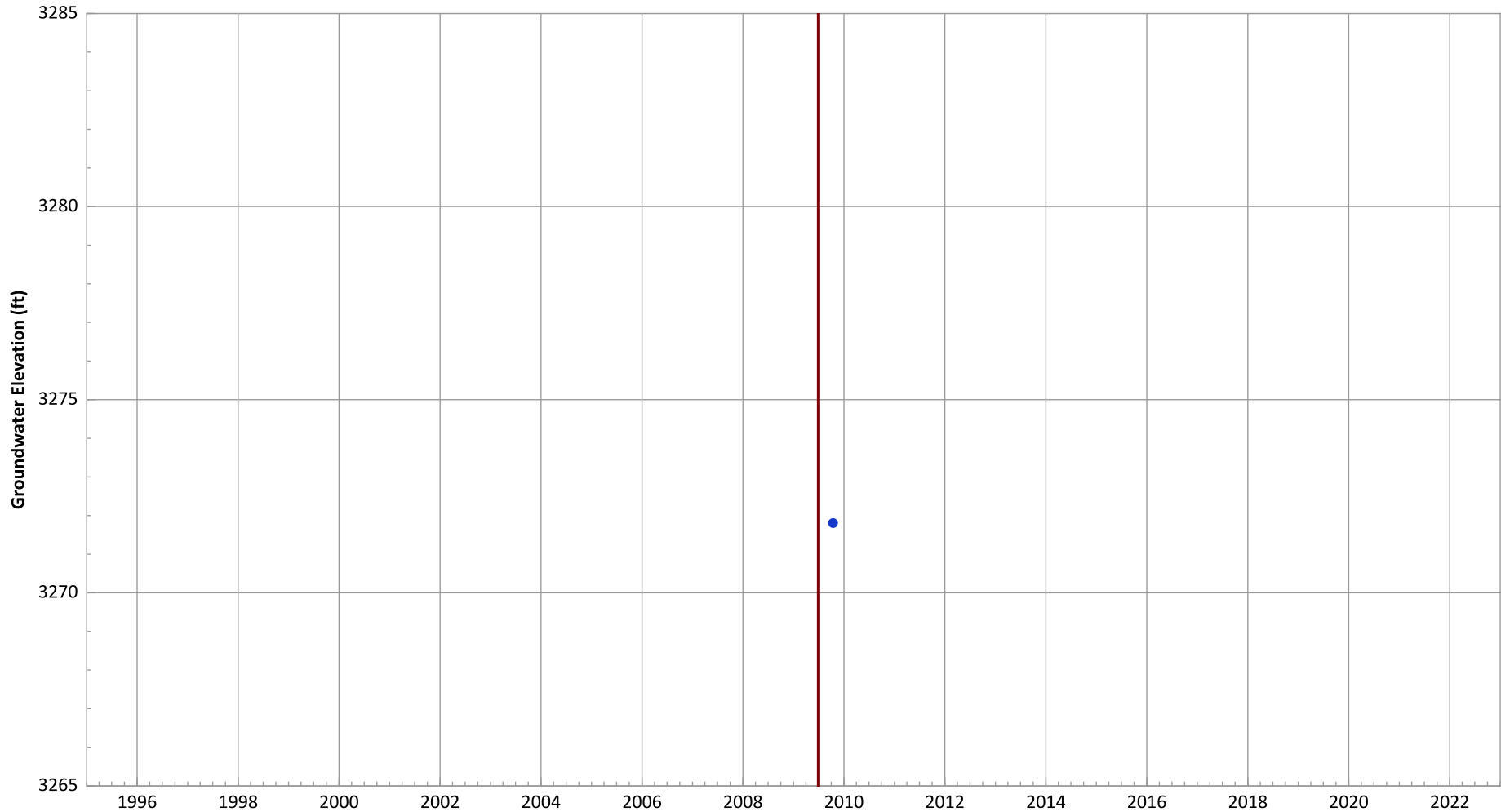
Notes:  
 1. Top of screen elevation is 3279.26 ft msl.  
 2. The bottom of screen elevation is 3259.26 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.18 ft/yr  
 Data (1/2017 - 1/2021): N/A (No Measurements)

### PTX06-ISB086 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



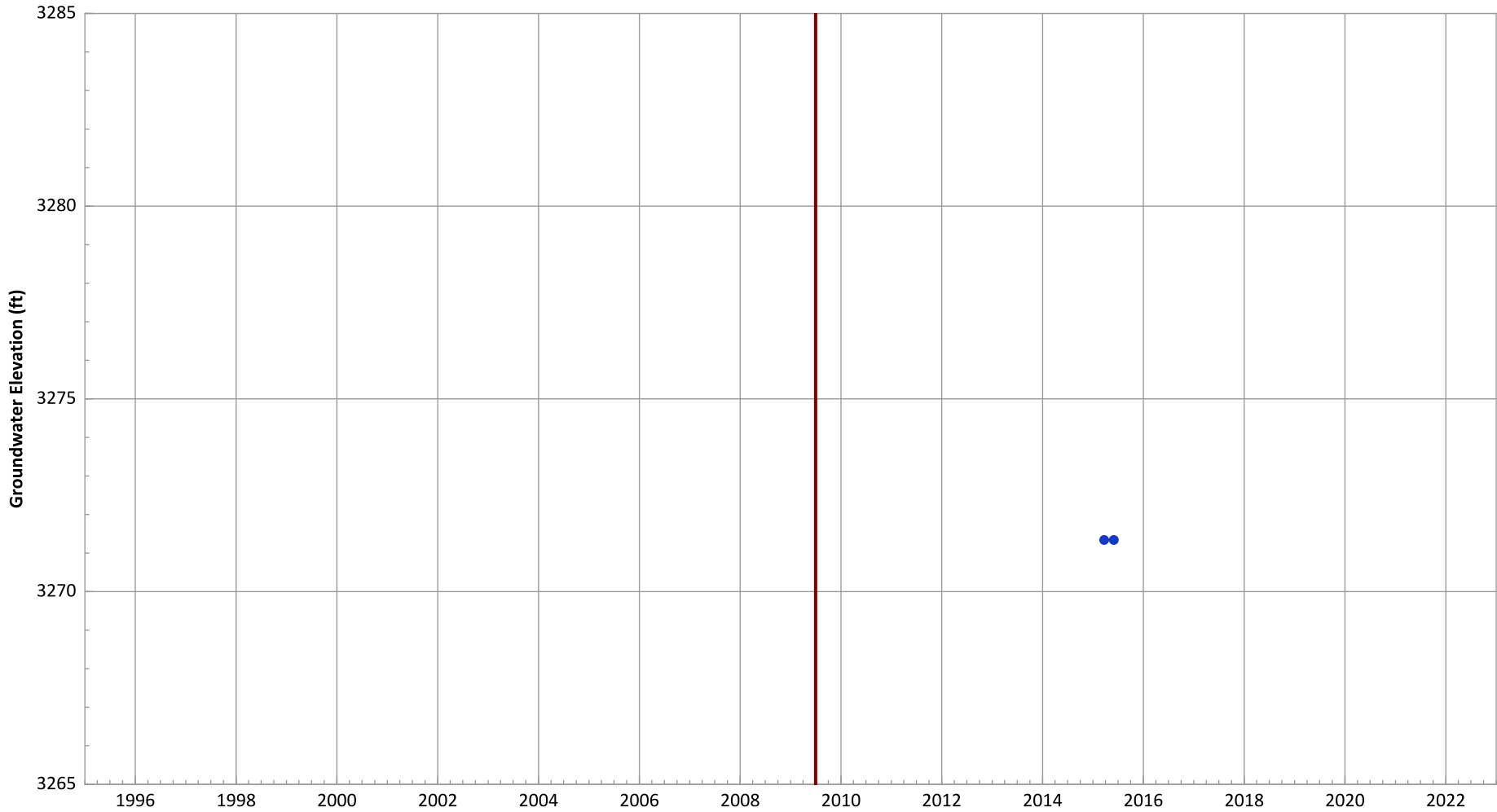
Notes:  
1. Top of screen elevation is 3278.7 ft msl.  
2. The bottom of screen elevation is 3258.7 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB098 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



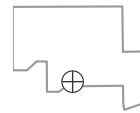
Notes:

1. Top of screen elevation is 3279.53 ft msl.
  2. The bottom of screen elevation is 3259.53 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

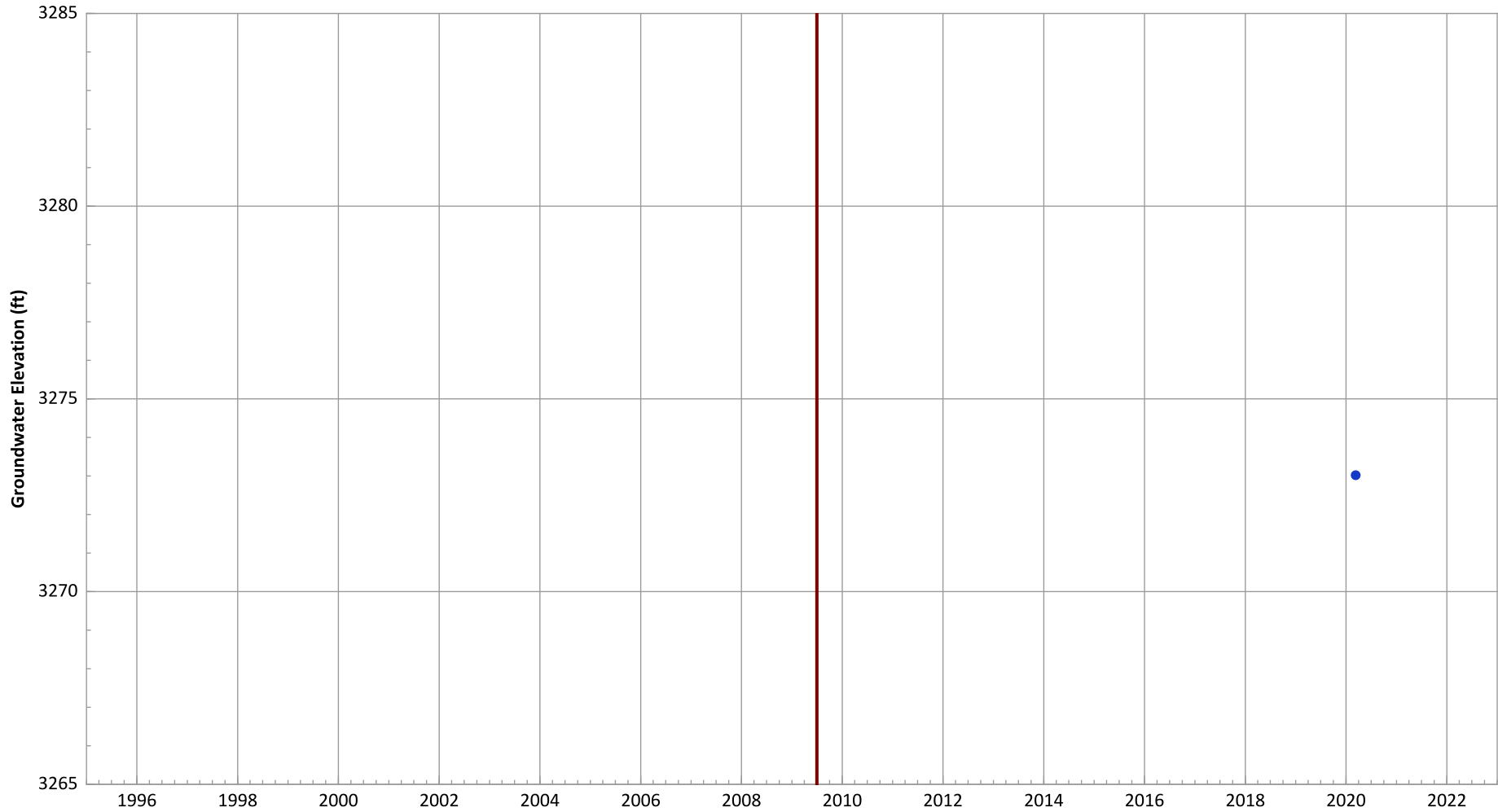
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB132 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



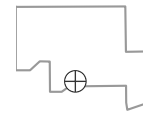
Notes:

1. Top of screen elevation is 3277.93 ft msl.
2. The bottom of screen elevation is 3257.93 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



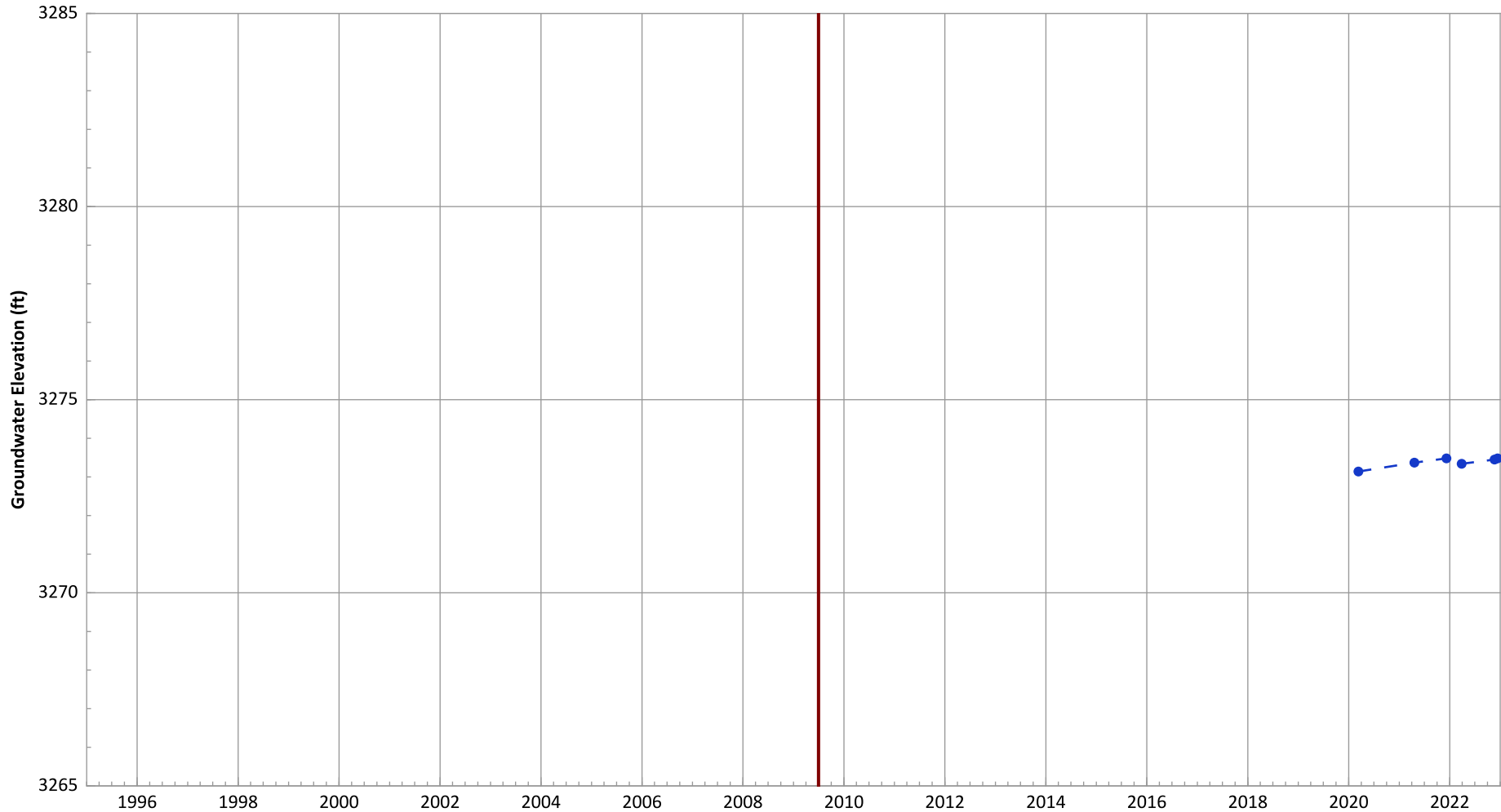
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB133 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



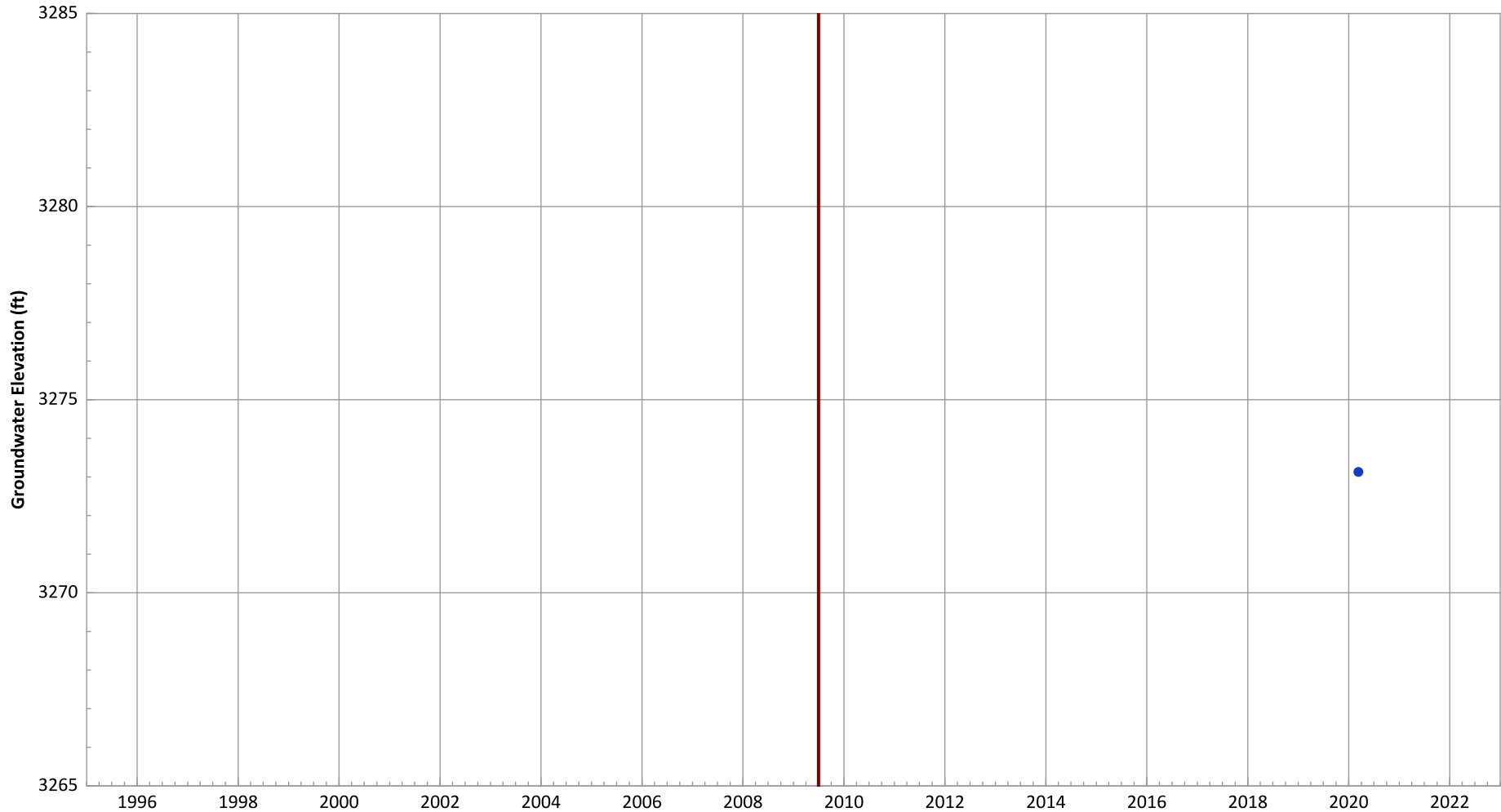
Notes:  
 1. Top of screen elevation is 3275.38 ft msl.  
 2. The bottom of screen elevation is 3255.38 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.11 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.2 ft/yr

### PTX06-ISB134 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



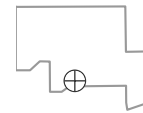
**Notes:**

- 1. Top of screen elevation is 3274.51 ft msl.
  - 2. The bottom of screen elevation is 3254.51 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

**Well Location**



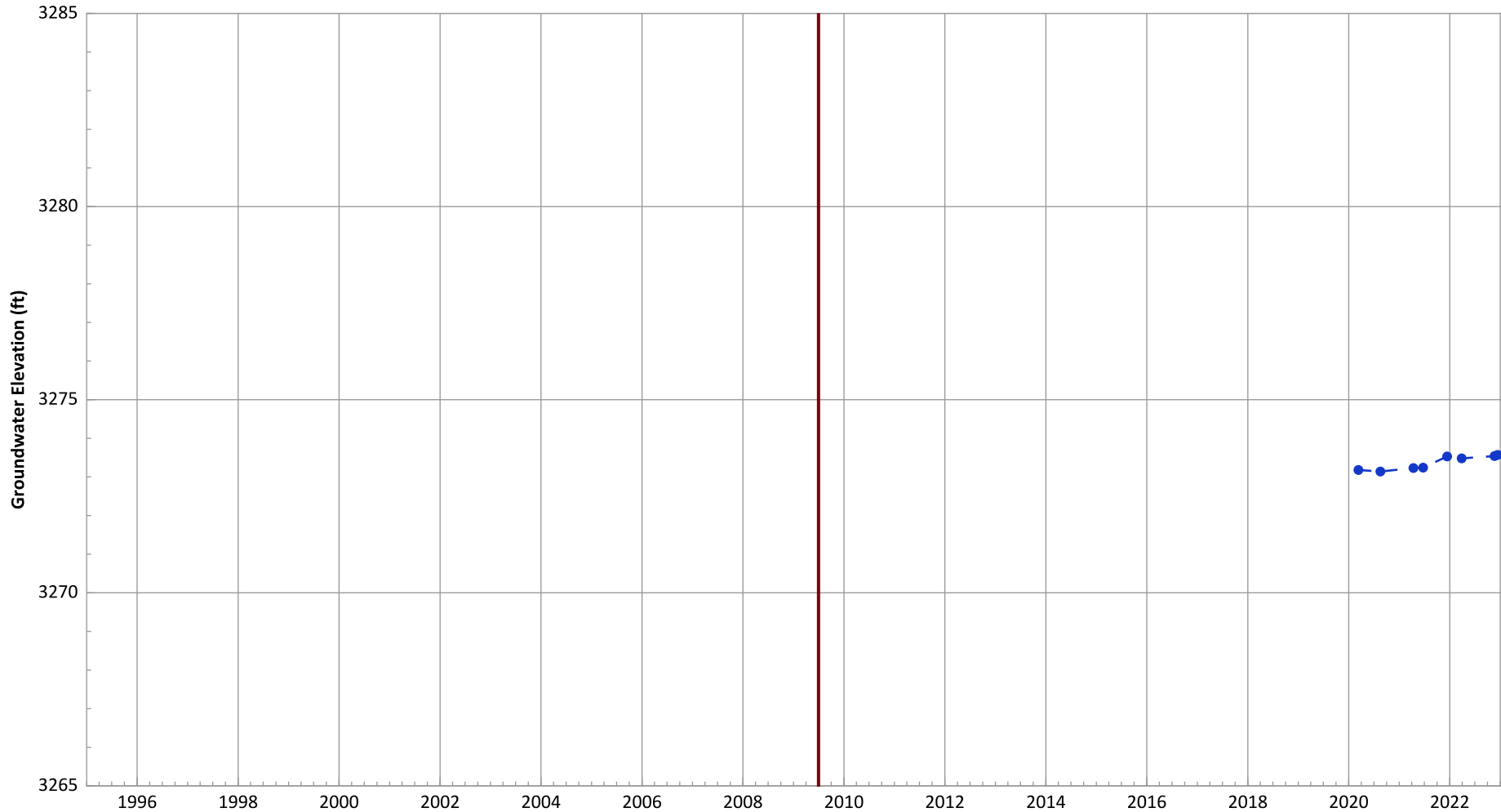
**Hydrograph Trend**

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB135 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



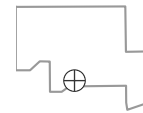
Notes:

1. Top of screen elevation is 3276.96 ft msl.
2. The bottom of screen elevation is 3251.96 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



Hydrograph Trend

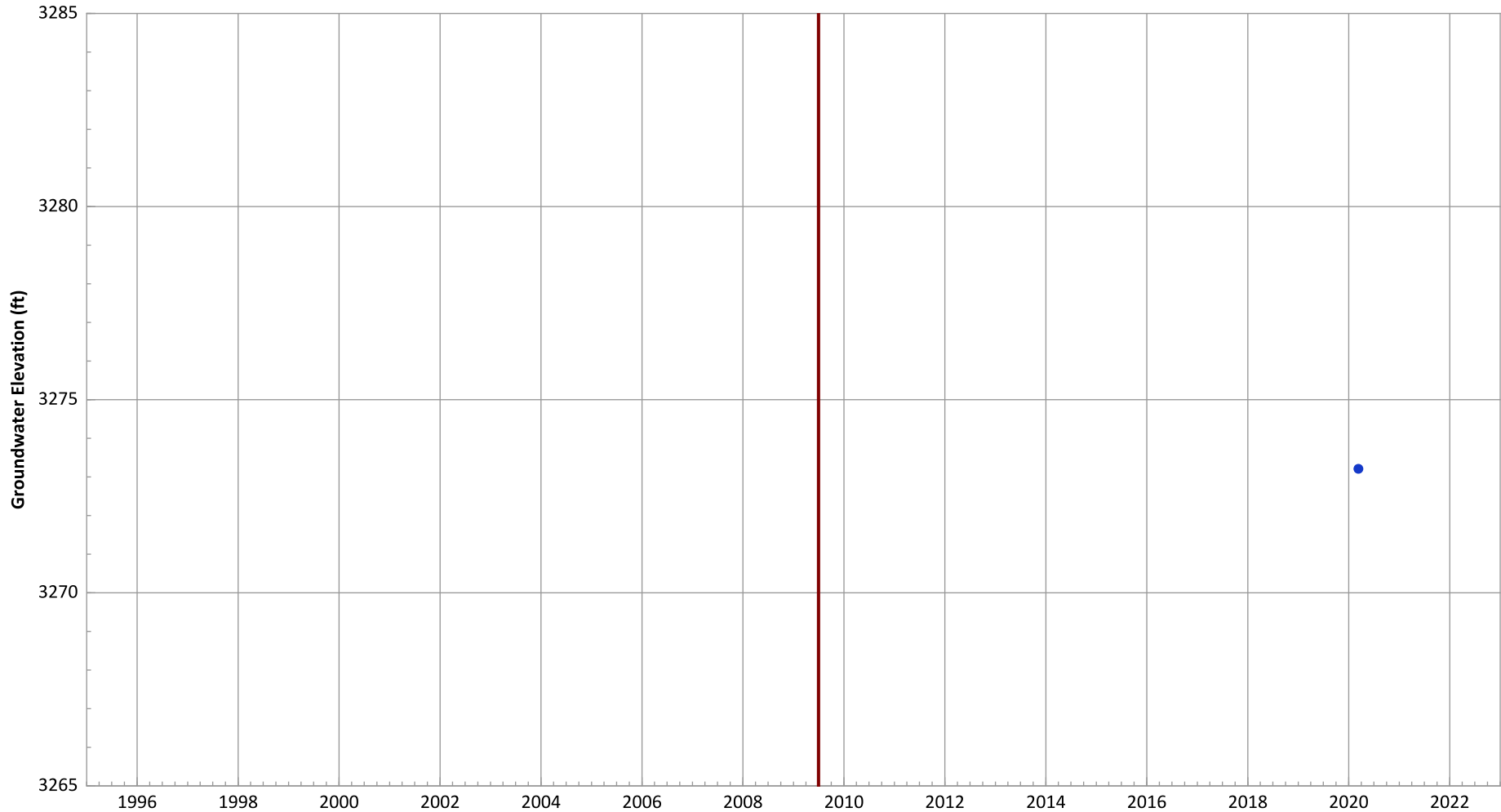
(MAROS Linear Regression Method)

All Data: Increasing at 0.17 ft/yr

Data (1/2017 - 1/2021): Increasing at 0.18 ft/yr



PTX06-ISB136 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



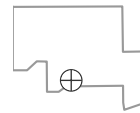
Notes:

- 1. Top of screen elevation is 3273.89 ft msl.
  - 2. The bottom of screen elevation is 3248.89 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



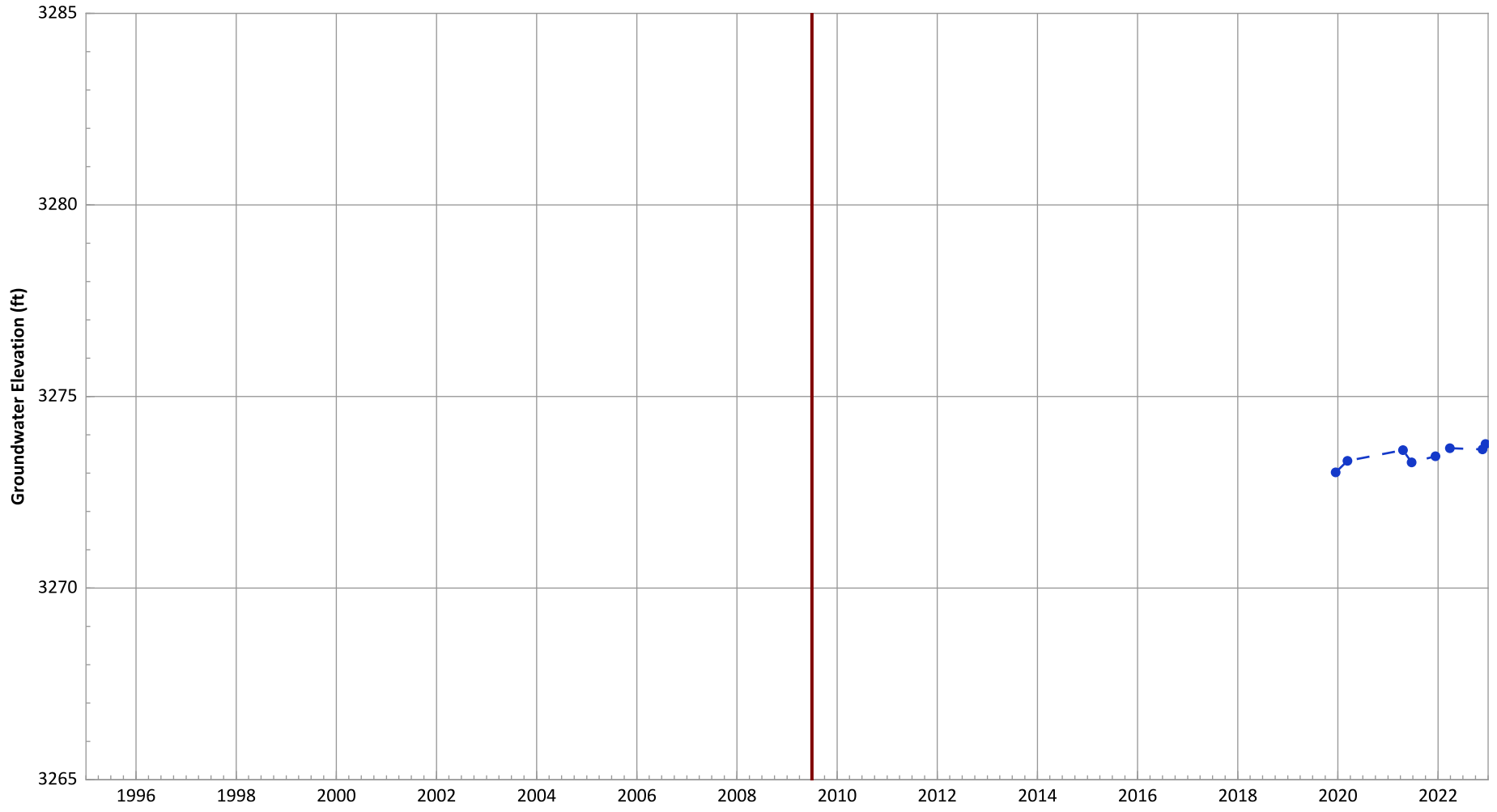
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB137 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



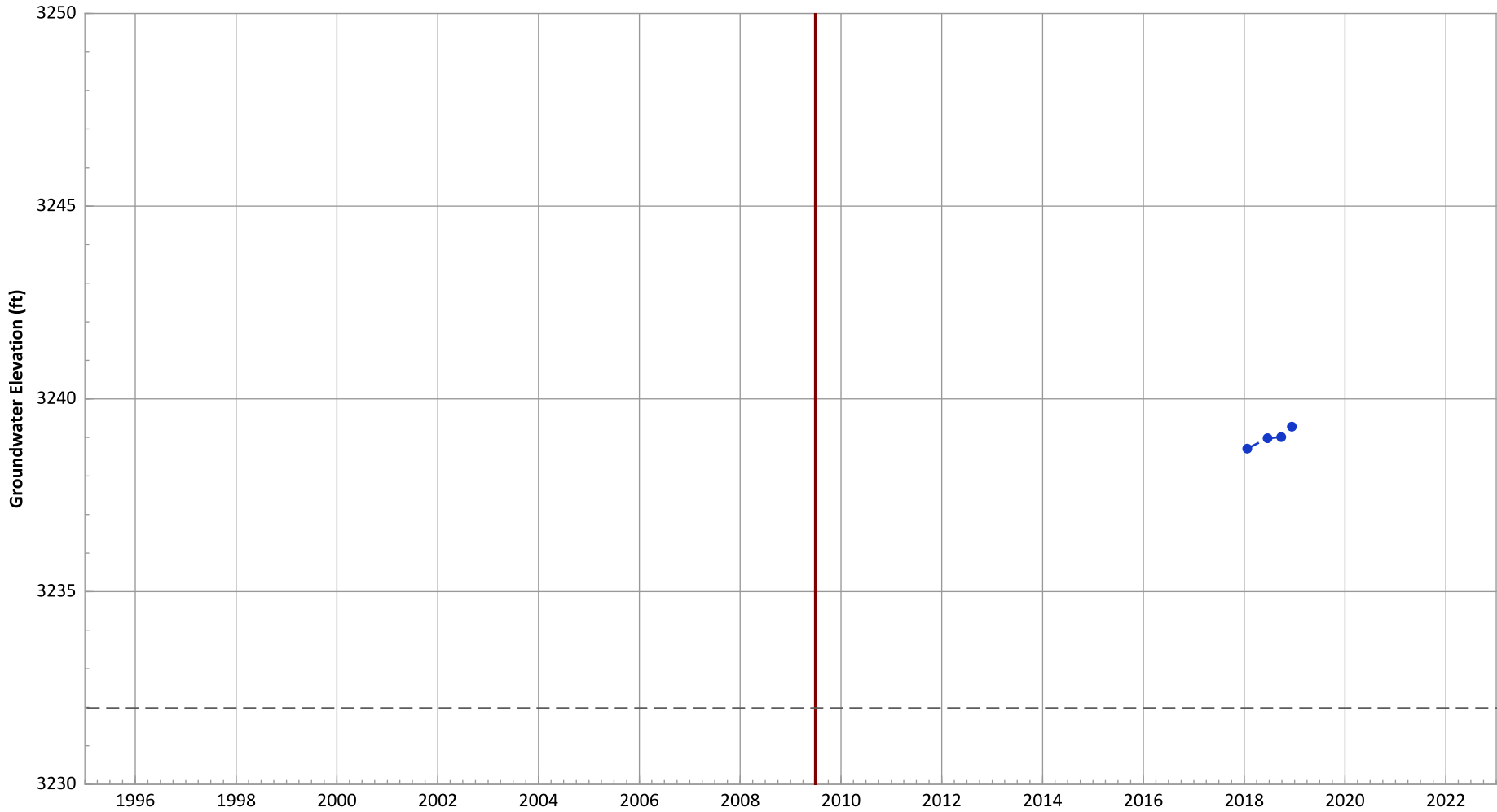
Notes:  
 1. Top of screen elevation is 3275.19 ft msl.  
 2. The bottom of screen elevation is 3250.19 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.18 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

**PTX06-ISB301 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3241.98 ft msl.
  2. The bottom of screen elevation is 3231.98 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

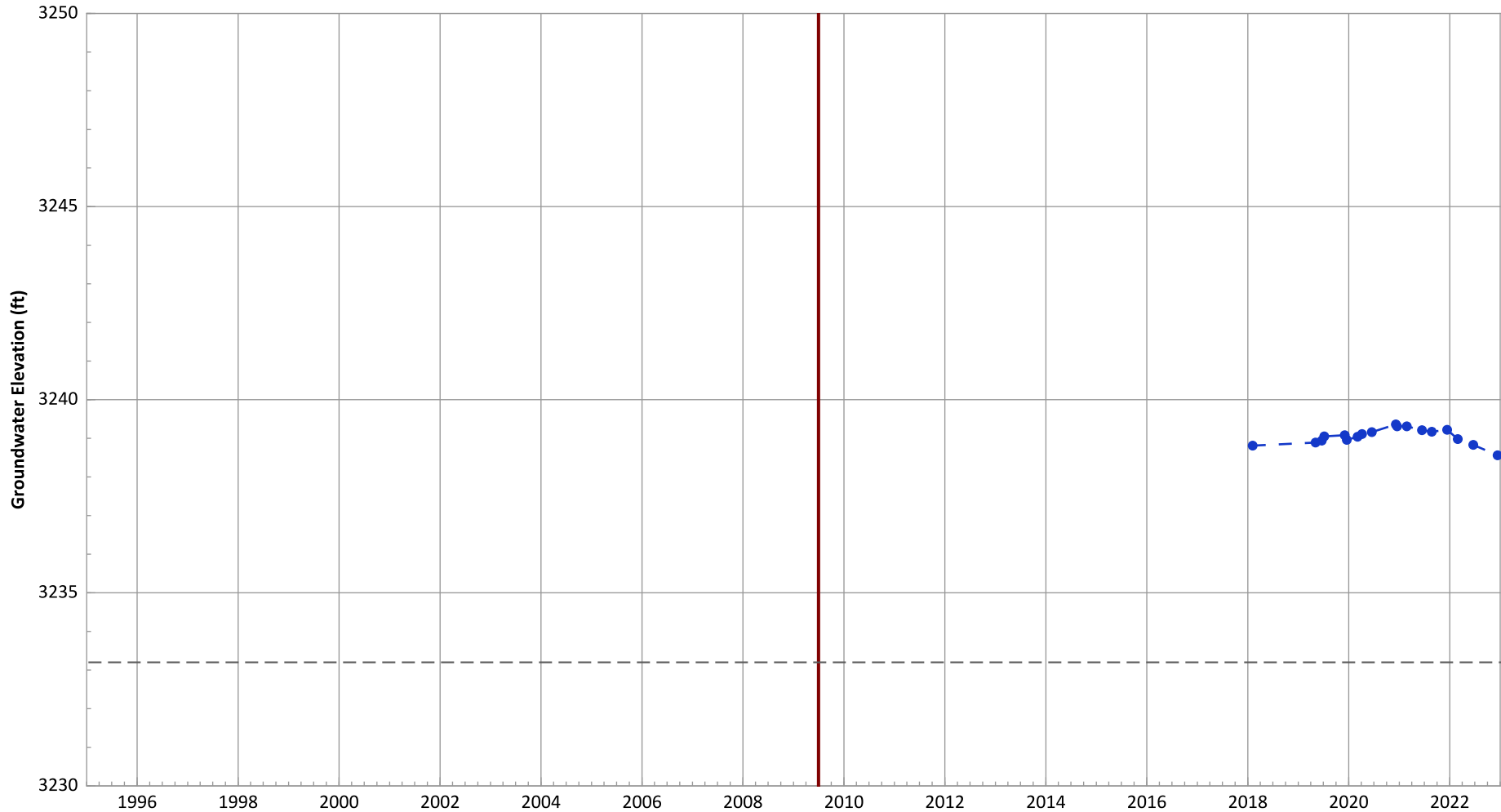
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.59 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.59 ft/yr

PTX06-ISB302 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



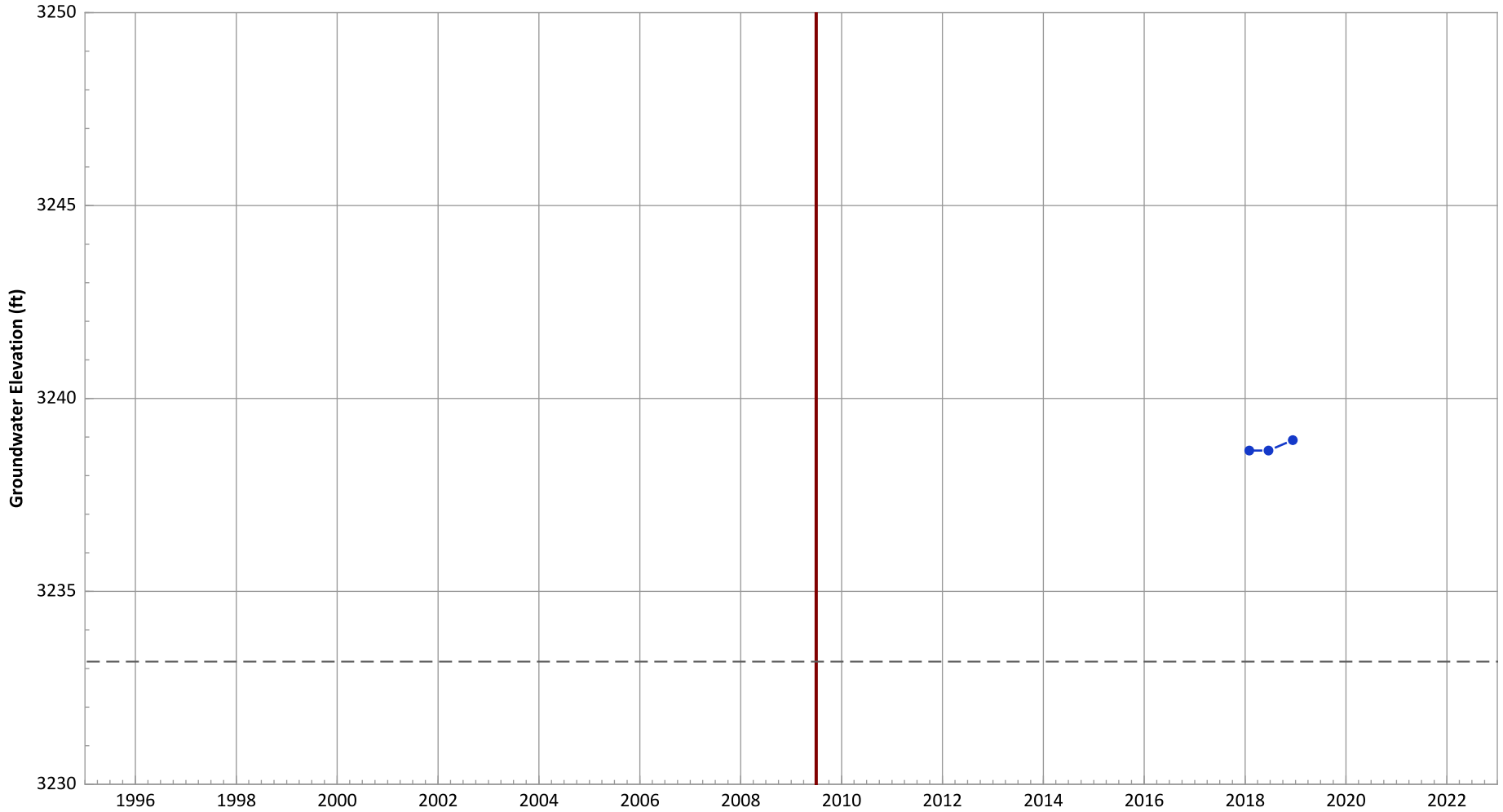
Notes:  
 1. Top of screen elevation is 3243.2 ft msl.  
 2. The bottom of screen elevation is 3233.2 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 0.13 ft/yr

PTX06-ISB303 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3243.18 ft msl.
  2. The bottom of screen elevation is 3233.18 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

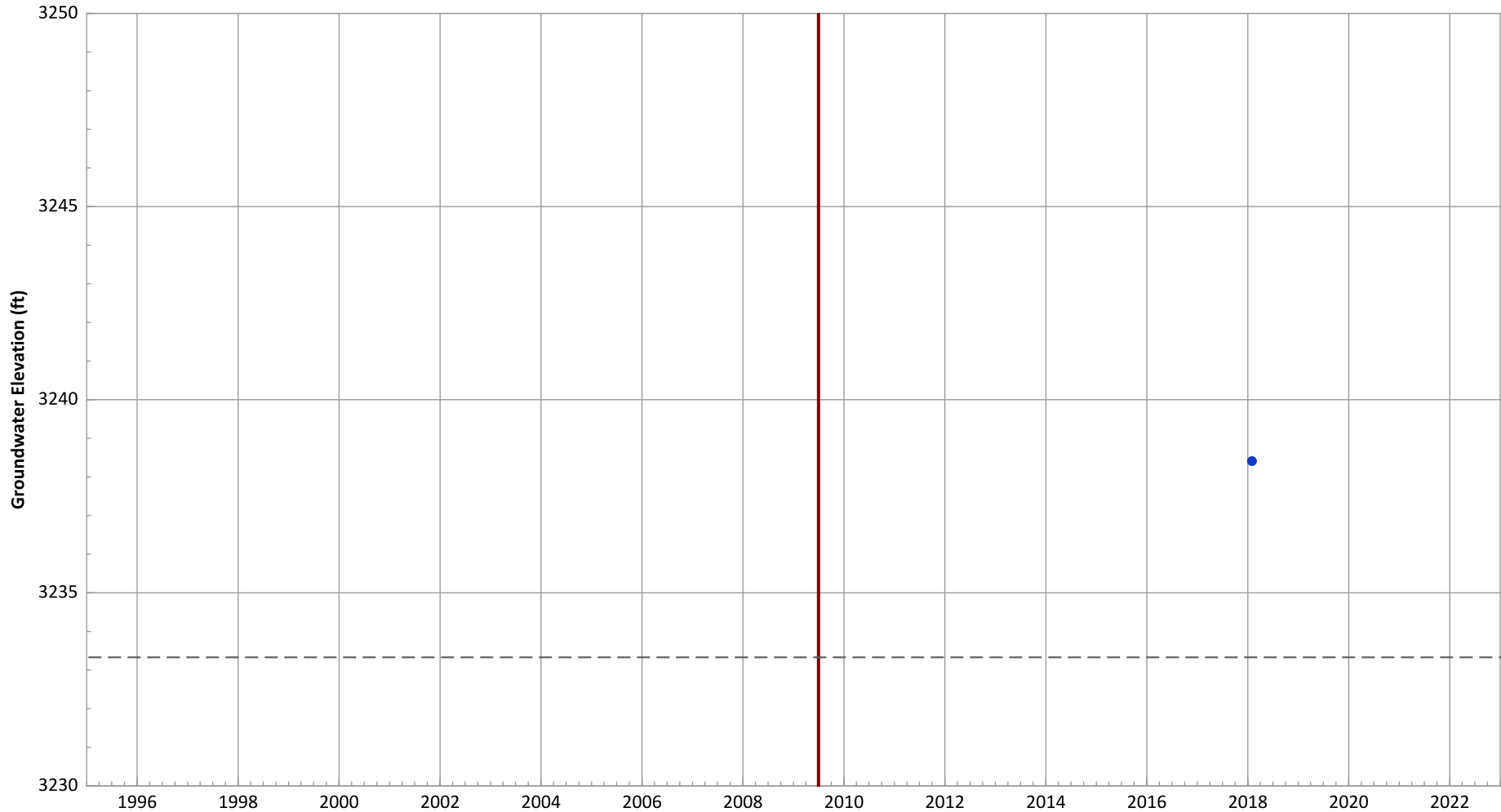
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.32 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.32 ft/yr

PTX06-ISB304 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



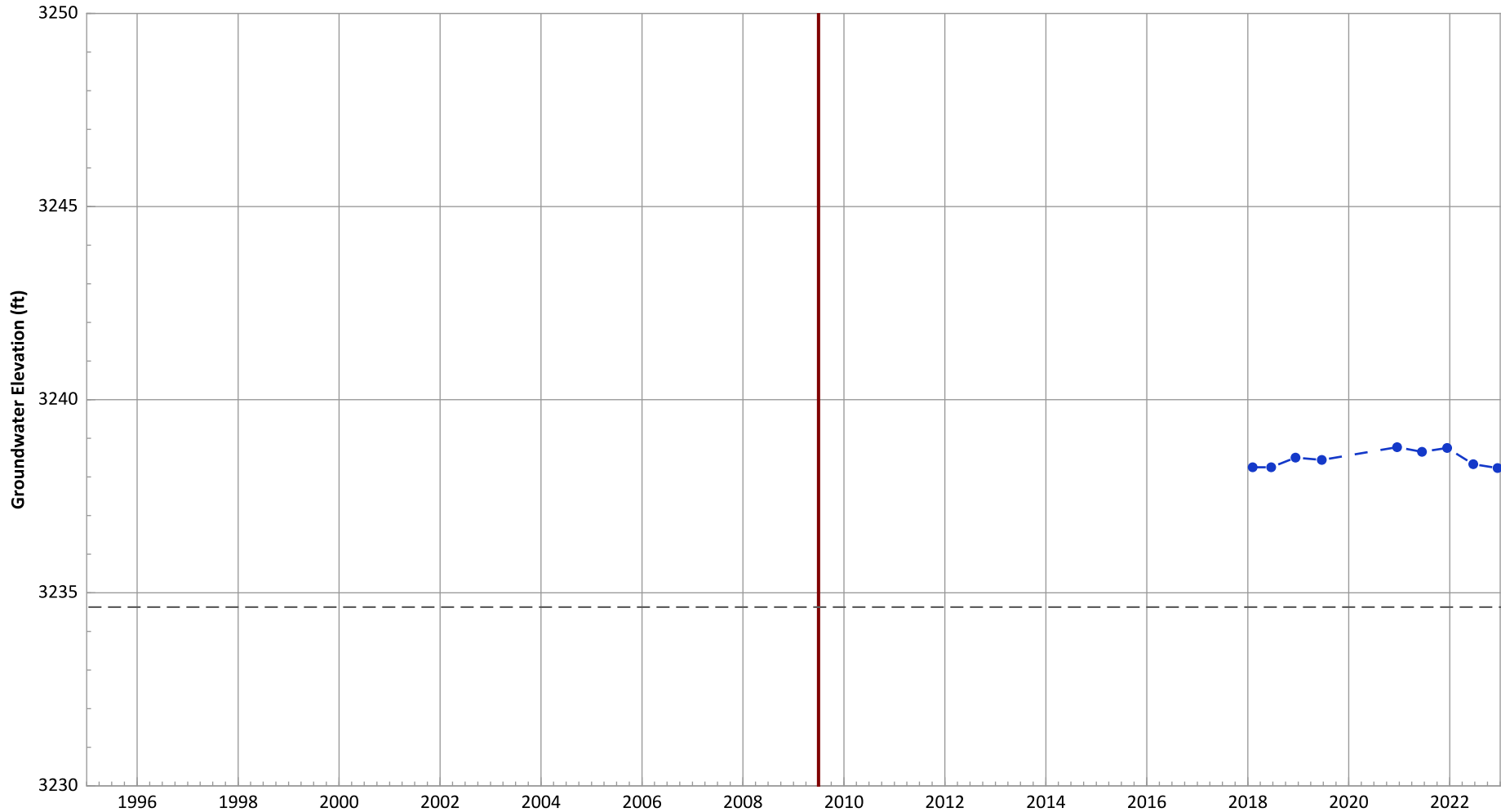
Notes:  
1. Top of screen elevation is 3243.33 ft msl.  
2. The bottom of screen elevation is 3233.33 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB305 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



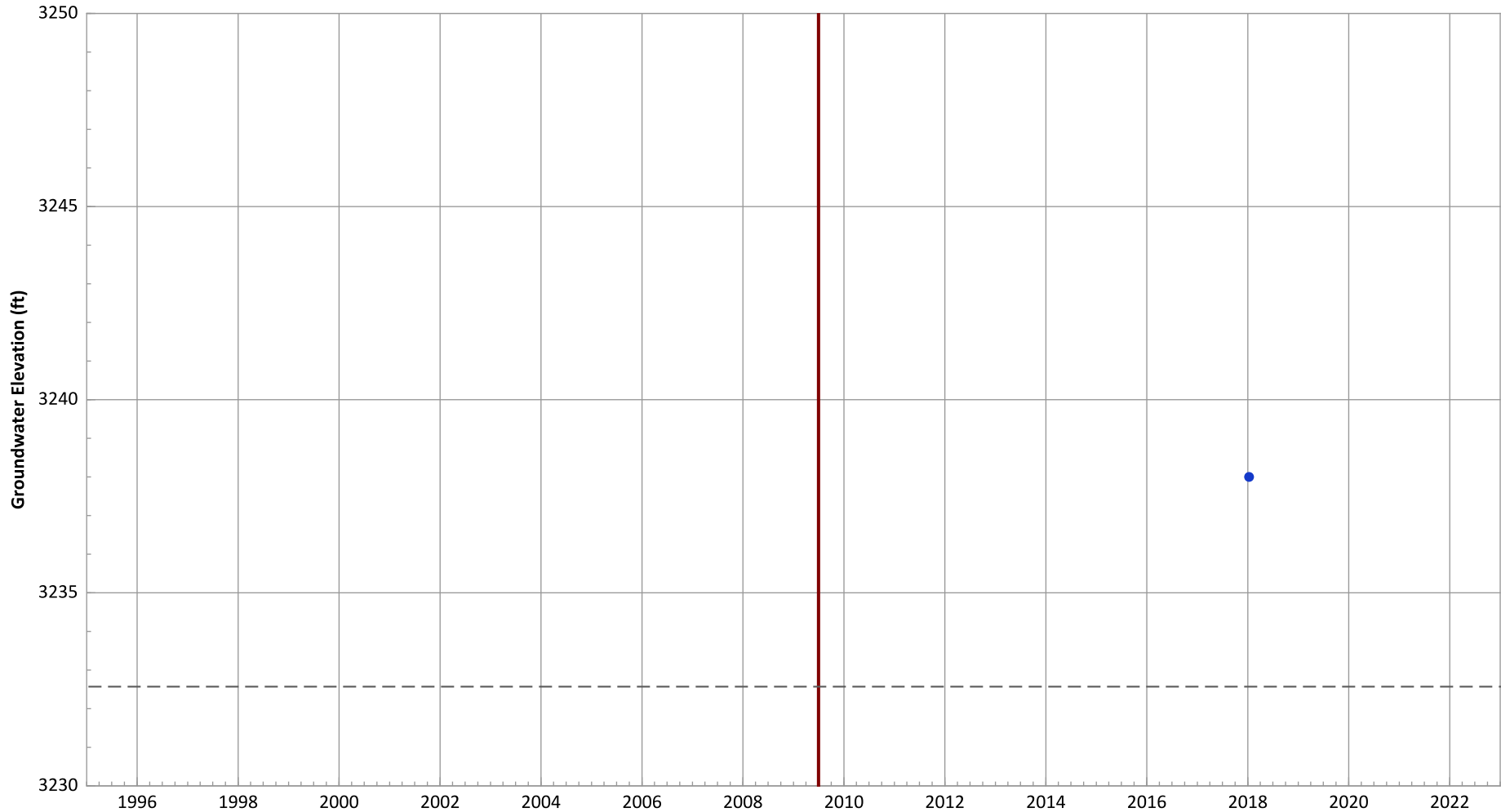
Notes:  
 1. Top of screen elevation is 3244.63 ft msl.  
 2. The bottom of screen elevation is 3234.63 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 0.13 ft/yr

PTX06-ISB306 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:  
 1. Top of screen elevation is 3242.57 ft msl.  
 2. The bottom of screen elevation is 3232.57 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

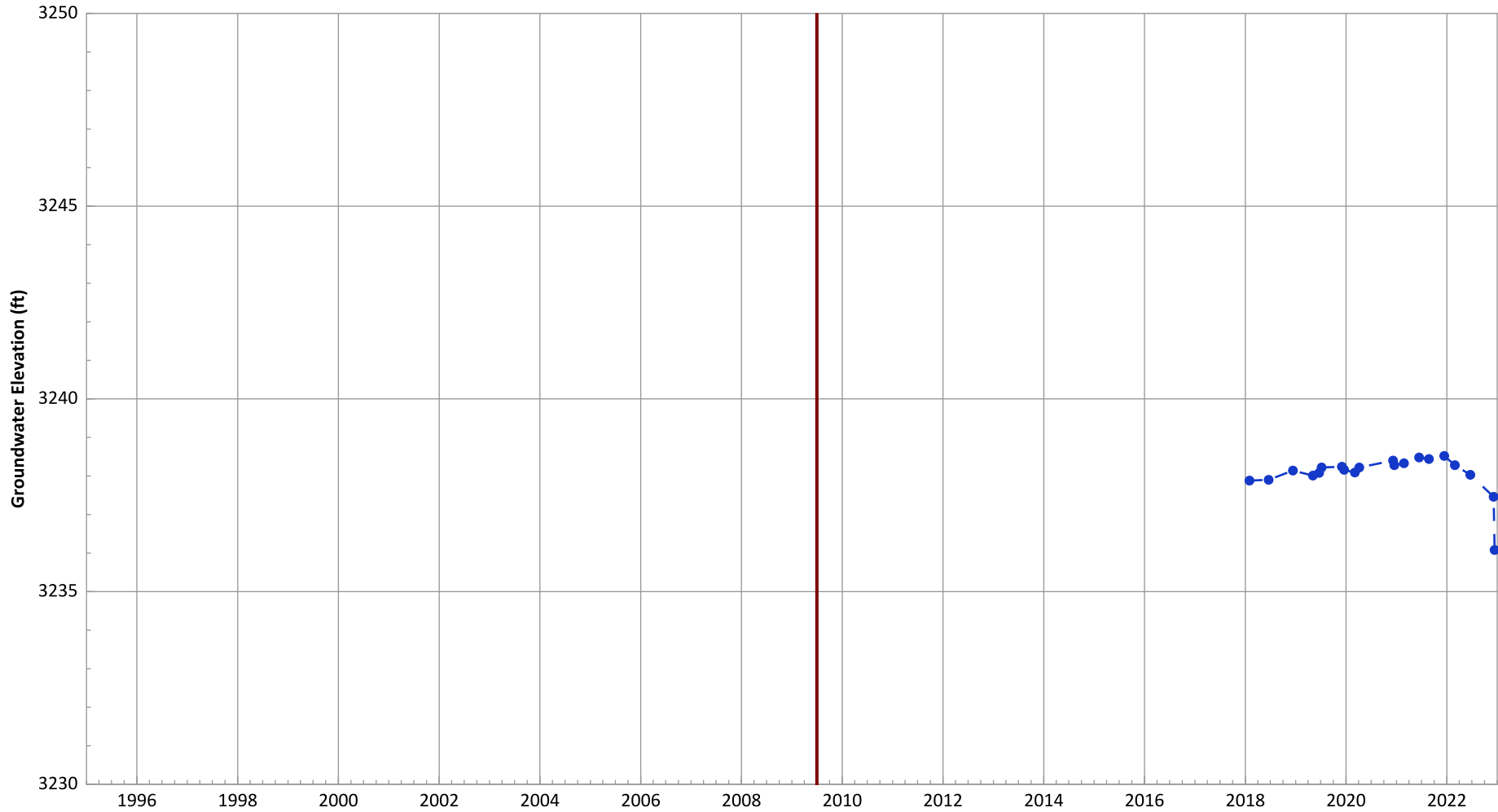
—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-ISB307 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3239.6 ft msl.
  2. The bottom of screen elevation is 3229.6 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

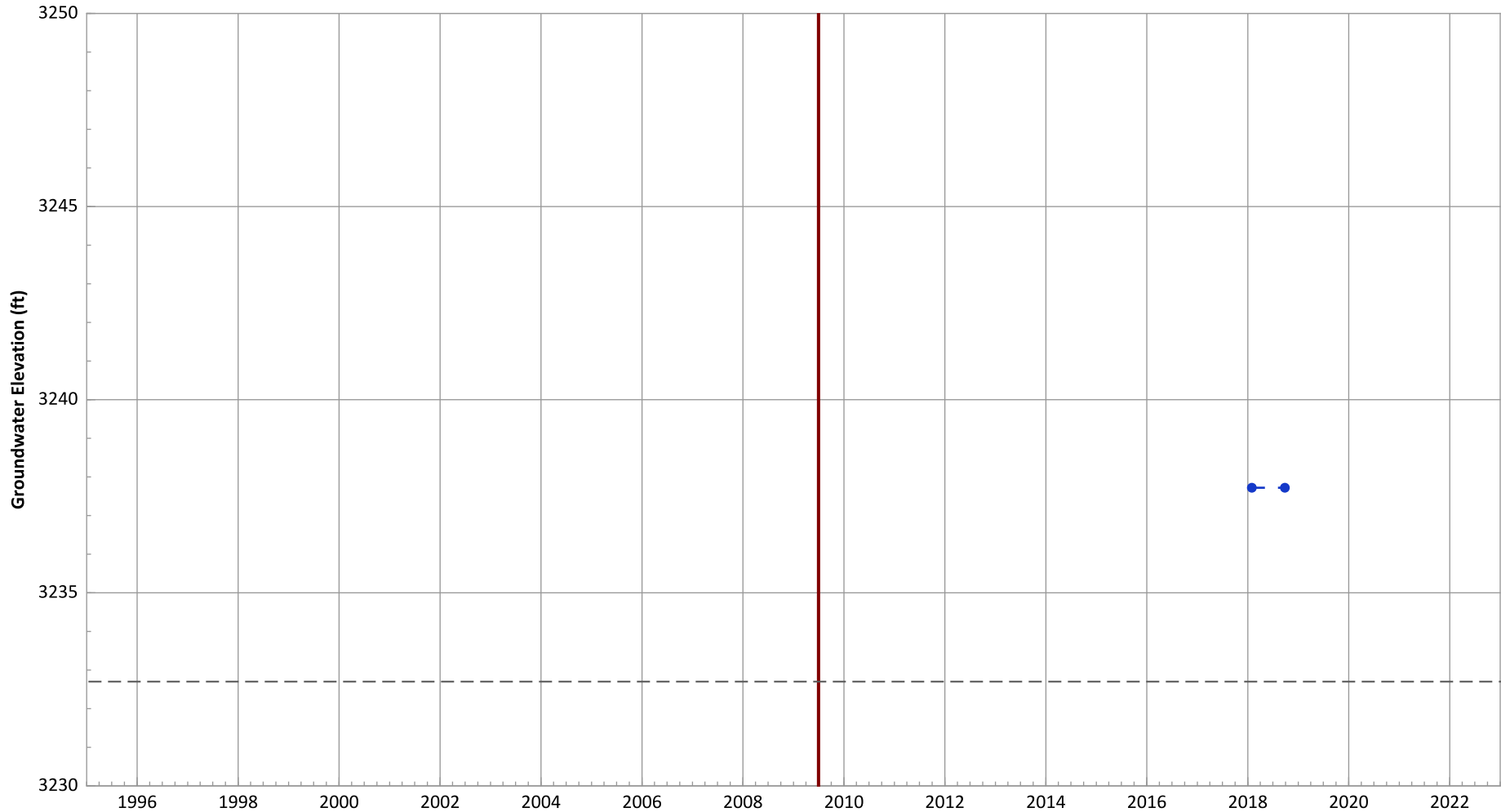
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Increasing at 0.16 ft/yr

### PTX06-ISB308 Hydrograph in Perched Aquifer USDOE/NNSA Pantex Plant



**Notes:**

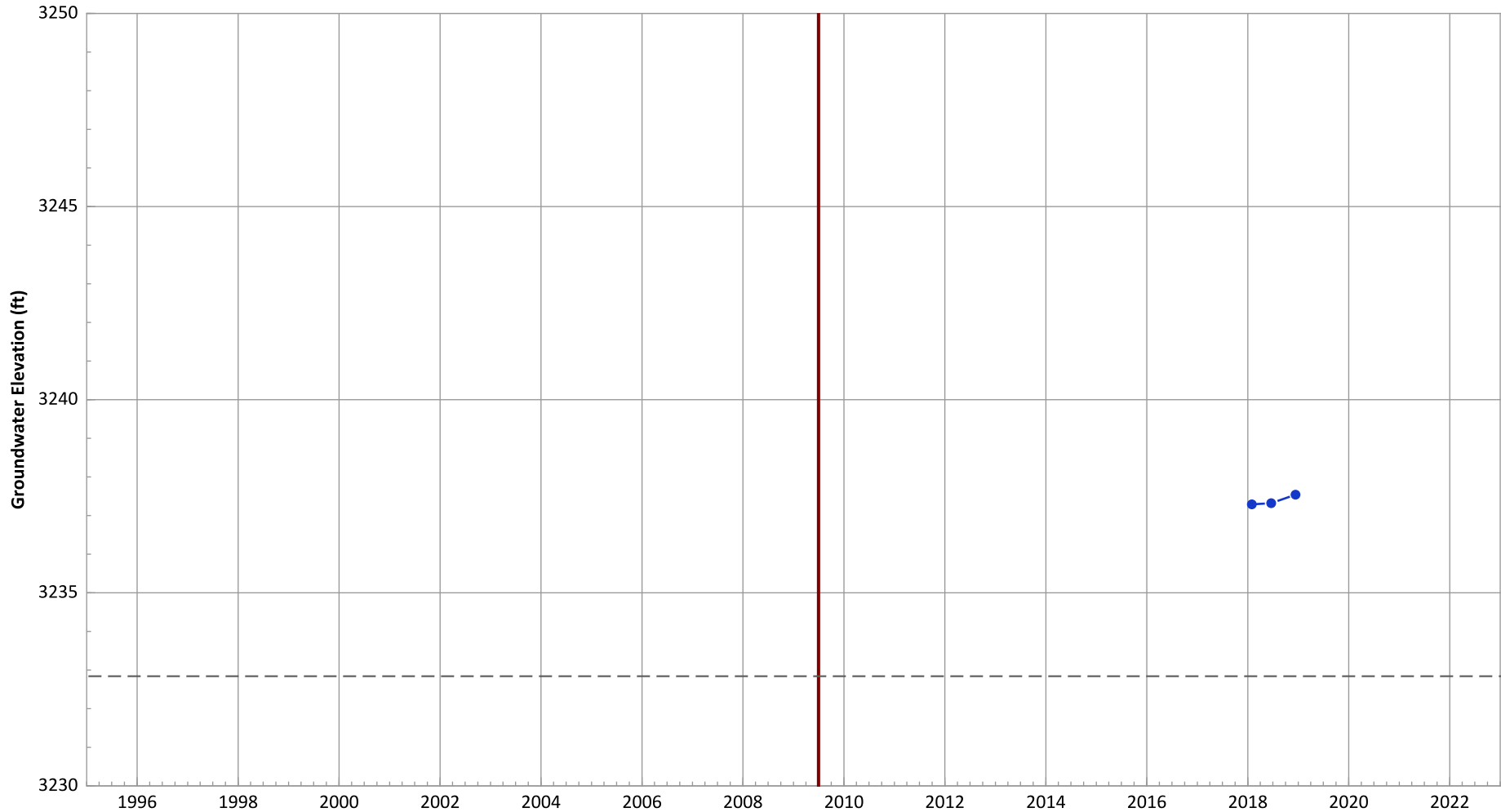
- 1. Top of screen elevation is 3242.7 ft msl.
  - 2. The bottom of screen elevation is 3232.7 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB309 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



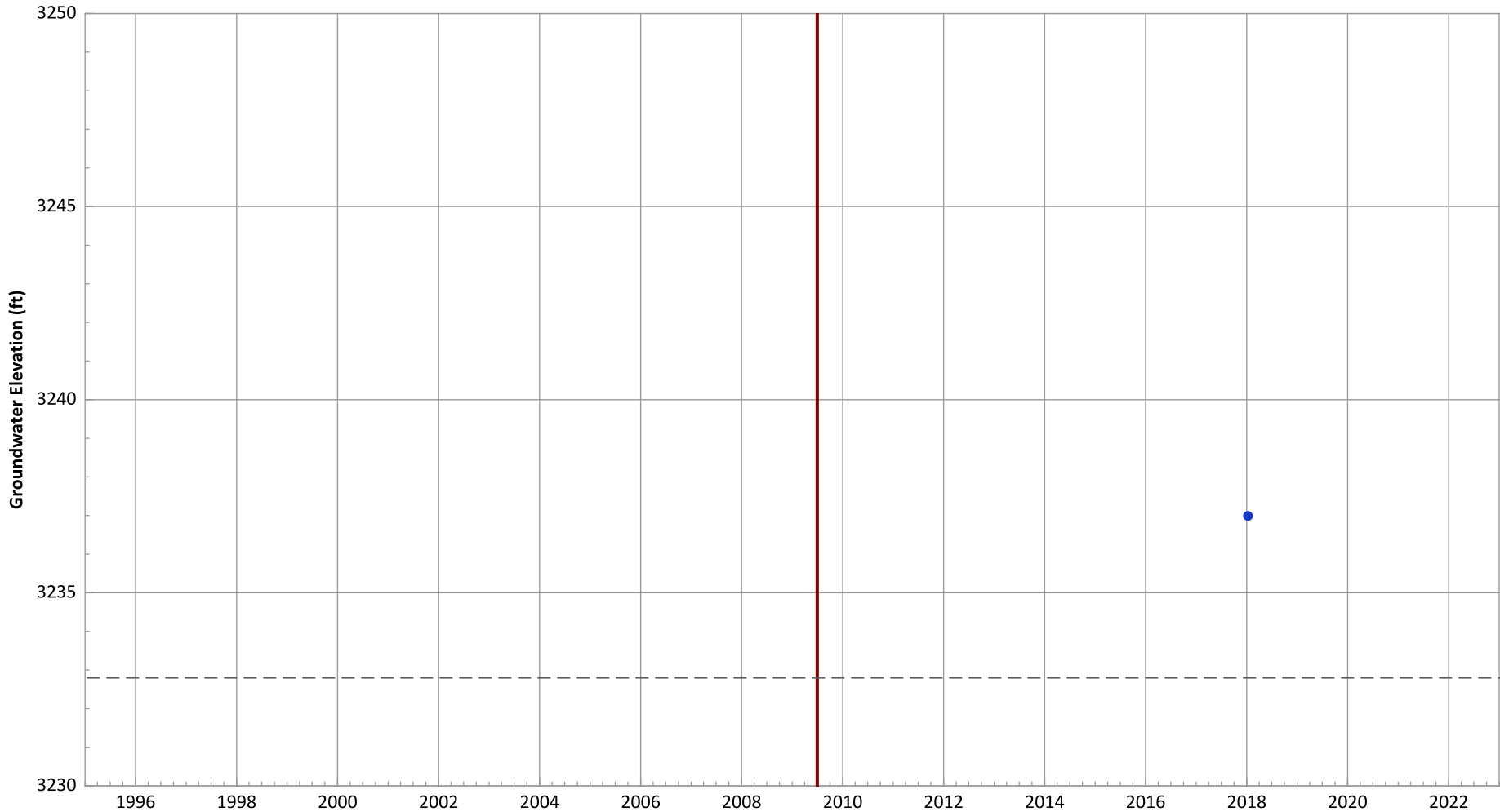
Notes:  
1. Top of screen elevation is 3242.84 ft msl.  
2. The bottom of screen elevation is 3232.84 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Increasing at 0.3 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.3 ft/yr

**PTX06-ISB310 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



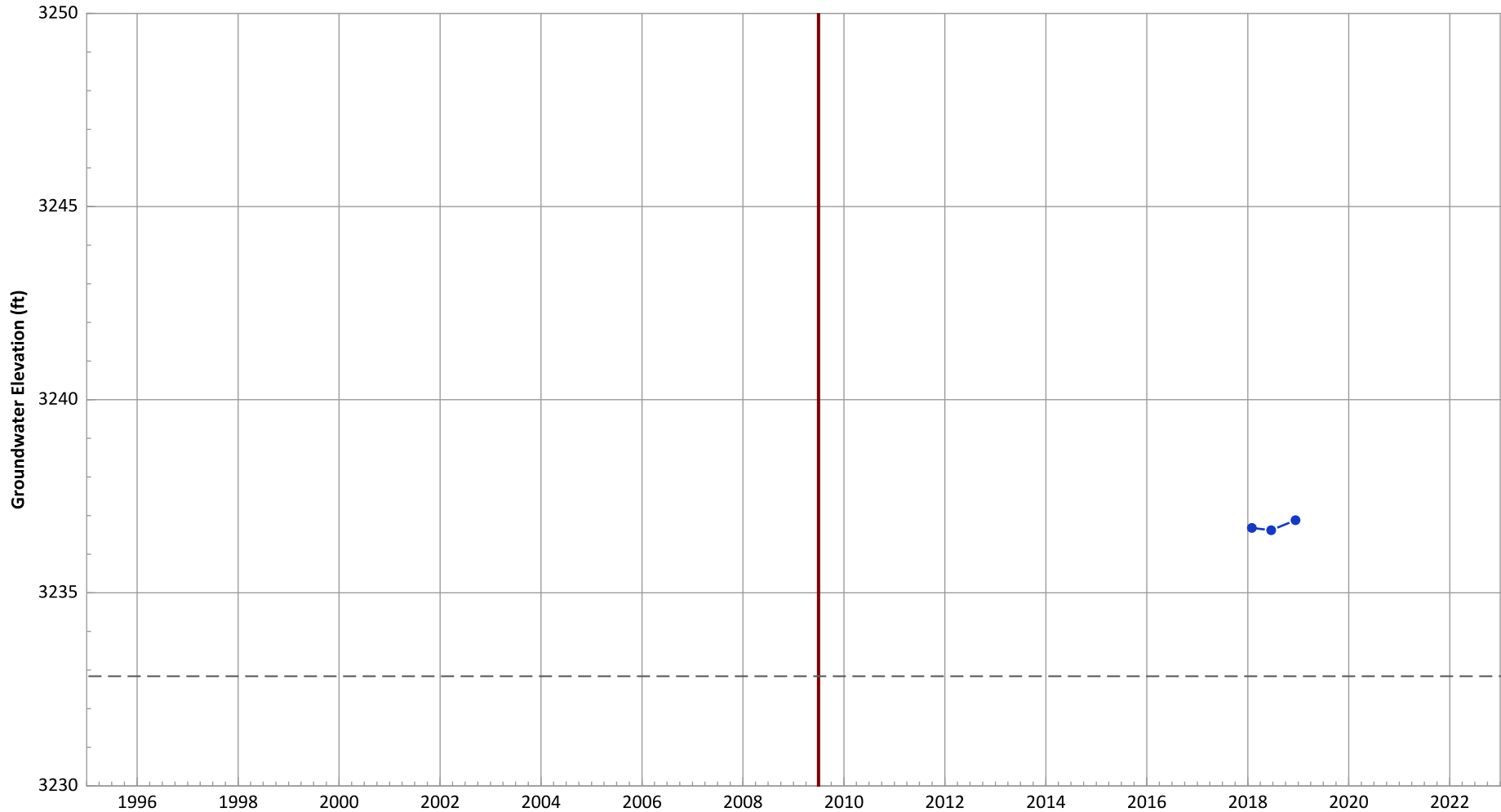
Notes:  
 1. Top of screen elevation is 3242.8 ft msl.  
 2. The bottom of screen elevation is 3232.8 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB311 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:  
1. Top of screen elevation is 3242.84 ft msl.  
2. The bottom of screen elevation is 3232.84 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Increasing at 0.24 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.24 ft/yr

PTX06-ISB312 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



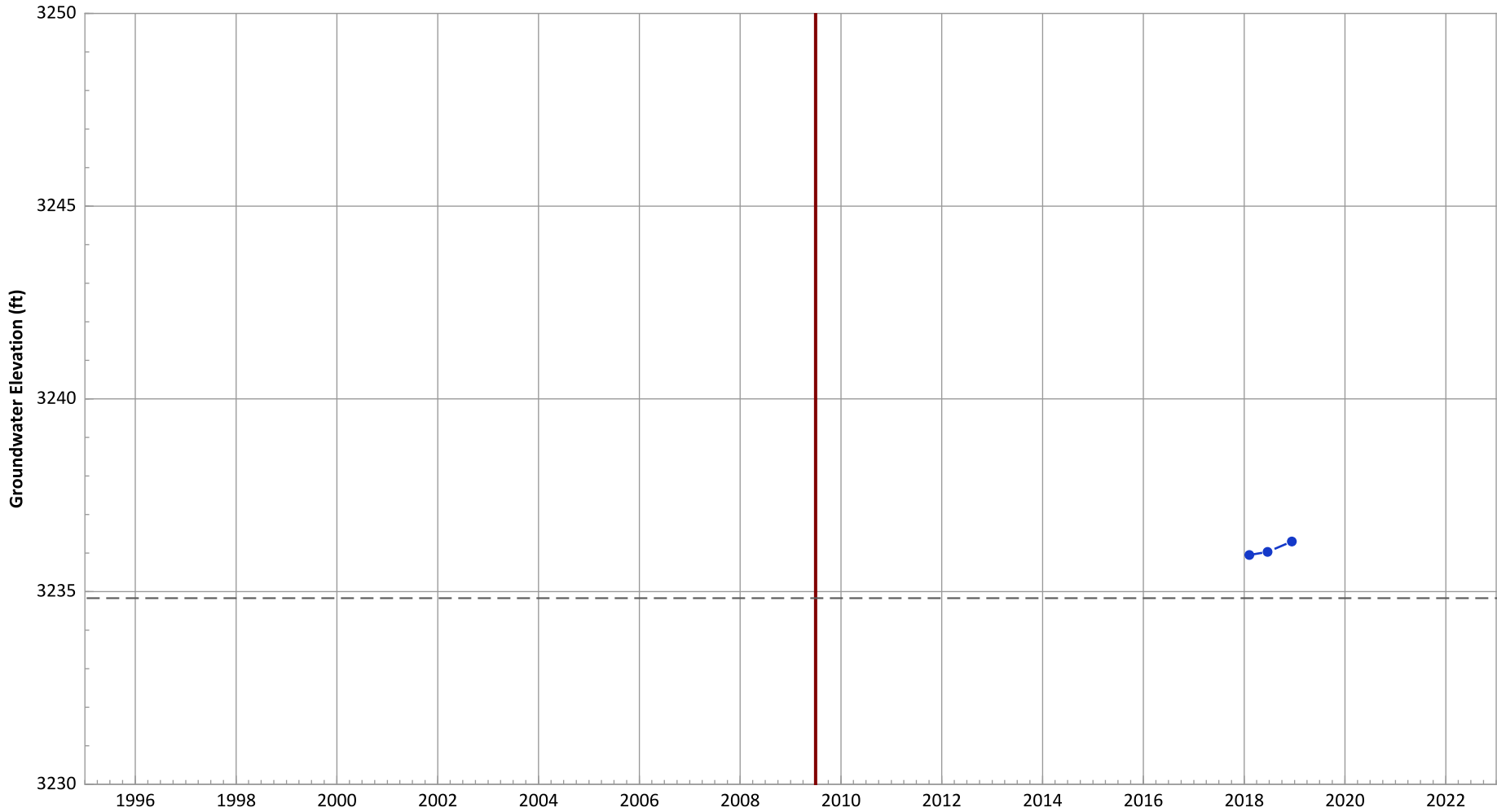
Notes:  
 1. Top of screen elevation is 3243.86 ft msl.  
 2. The bottom of screen elevation is 3233.86 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Increasing at 0.21 ft/yr

PTX06-ISB313 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

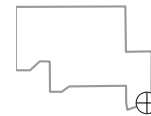


Notes:

1. Top of screen elevation is 3244.83 ft msl.
  2. The bottom of screen elevation is 3234.83 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

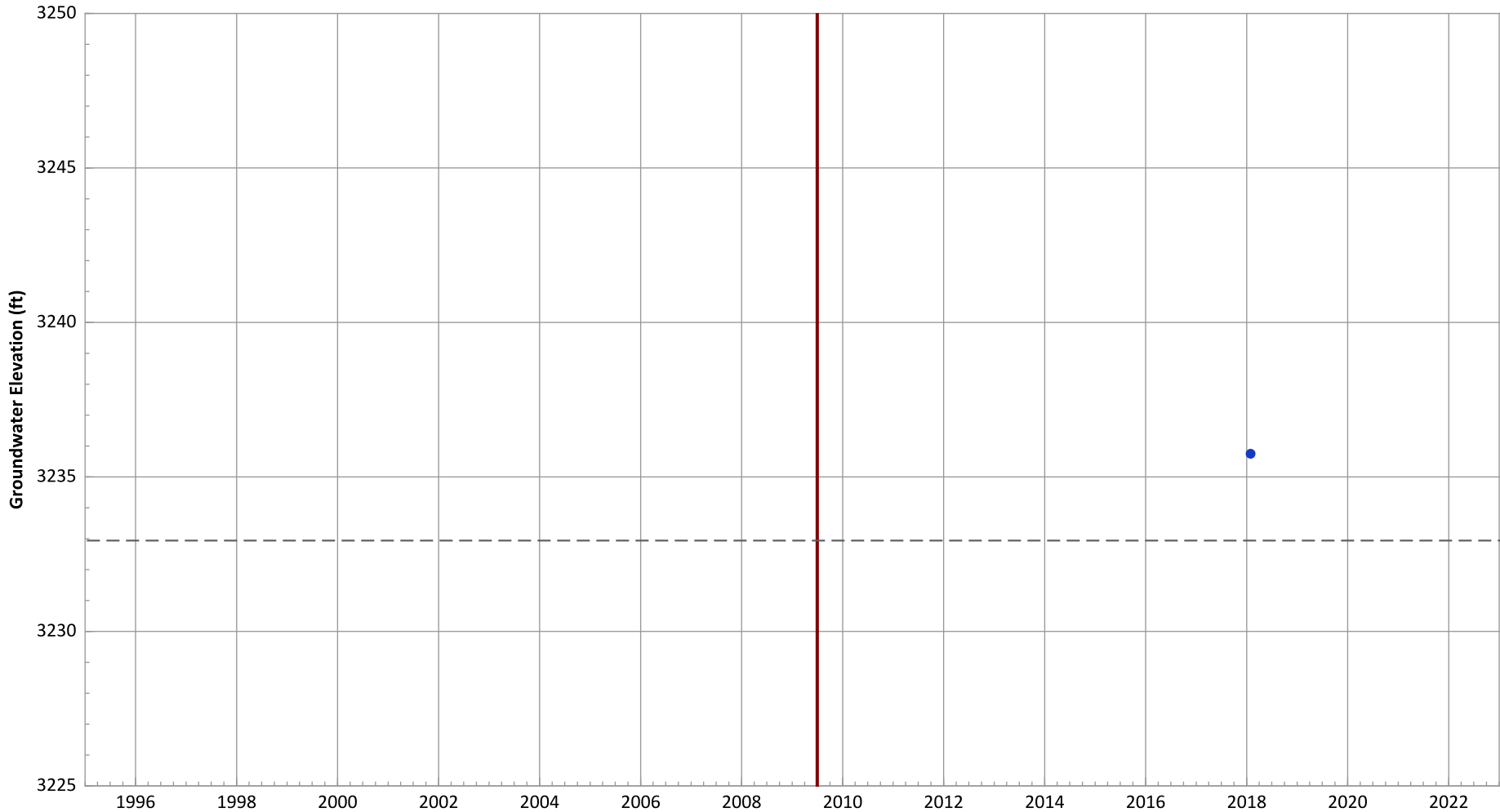
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.42 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.42 ft/yr

PTX06-ISB314 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3242.94 ft msl.
2. The bottom of screen elevation is 3232.94 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



Hydrograph Trend

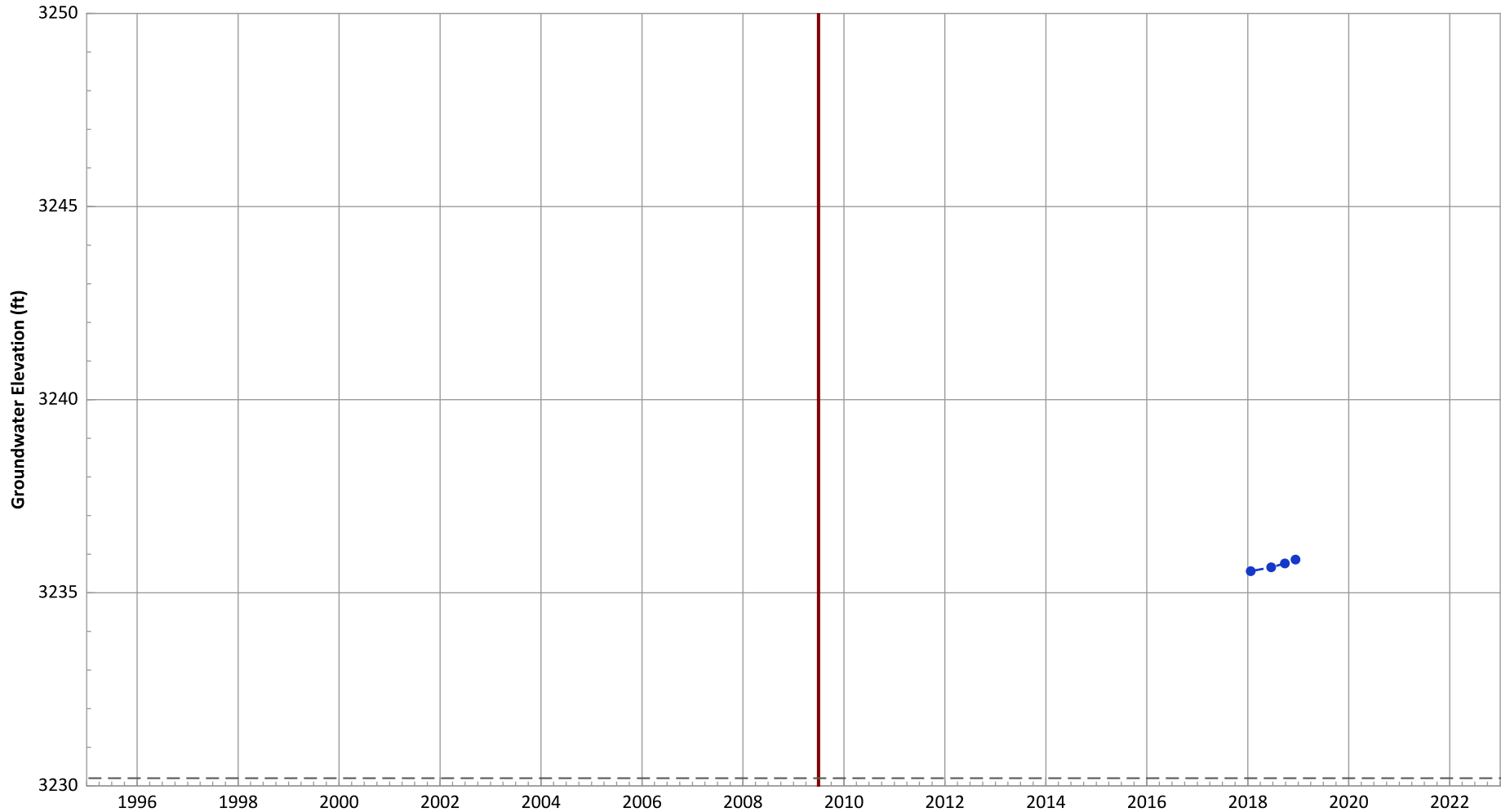
(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-ISB315 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:  
 1. Top of screen elevation is 3240.2 ft msl.  
 2. The bottom of screen elevation is 3230.2 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.33 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.33 ft/yr

PTX06-ISB316 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



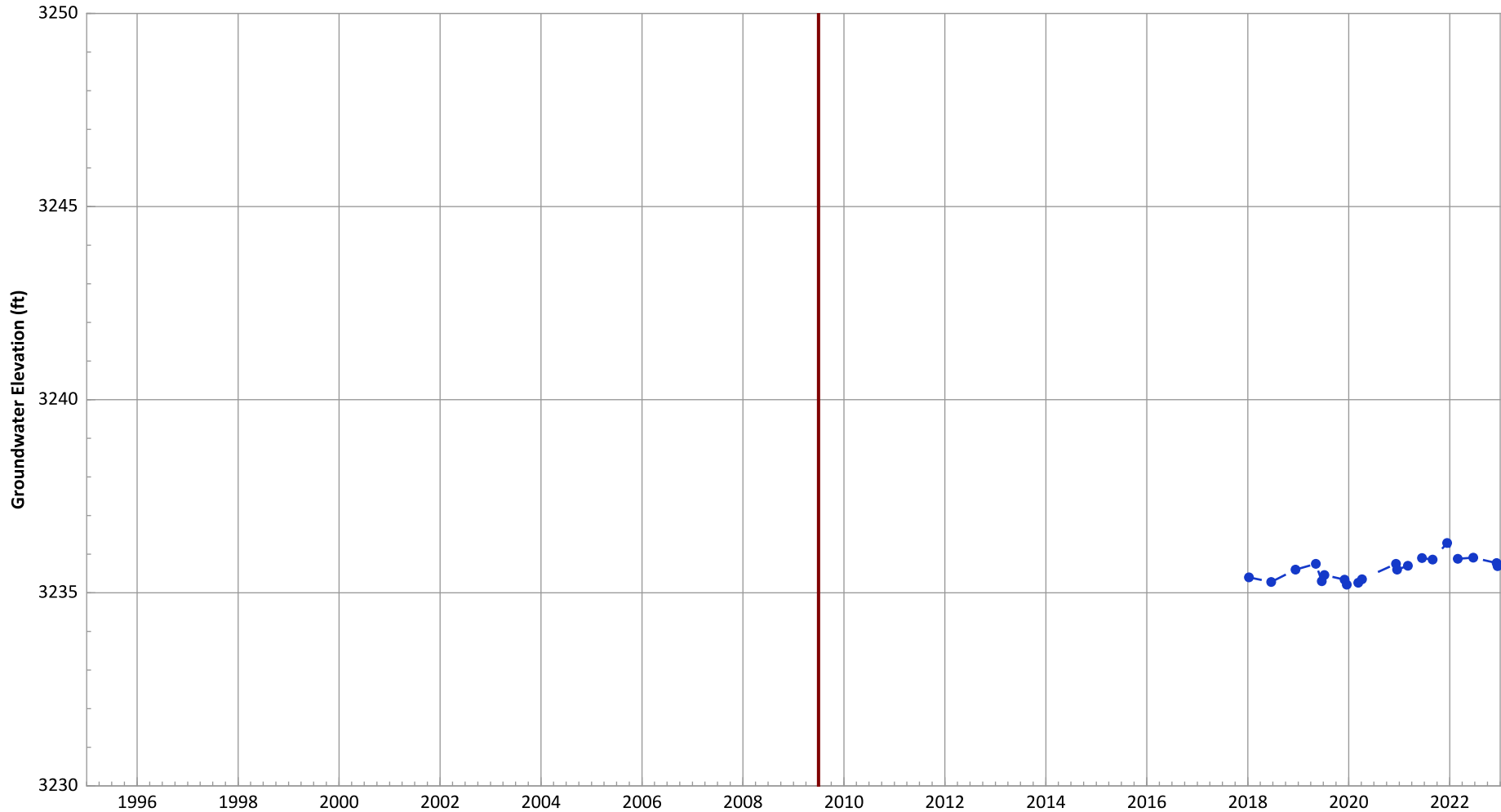
Notes:  
1. Top of screen elevation is 3239.12 ft msl.  
2. The bottom of screen elevation is 3229.12 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB317 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3231.06 ft msl.
  2. The bottom of screen elevation is 3221.06 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

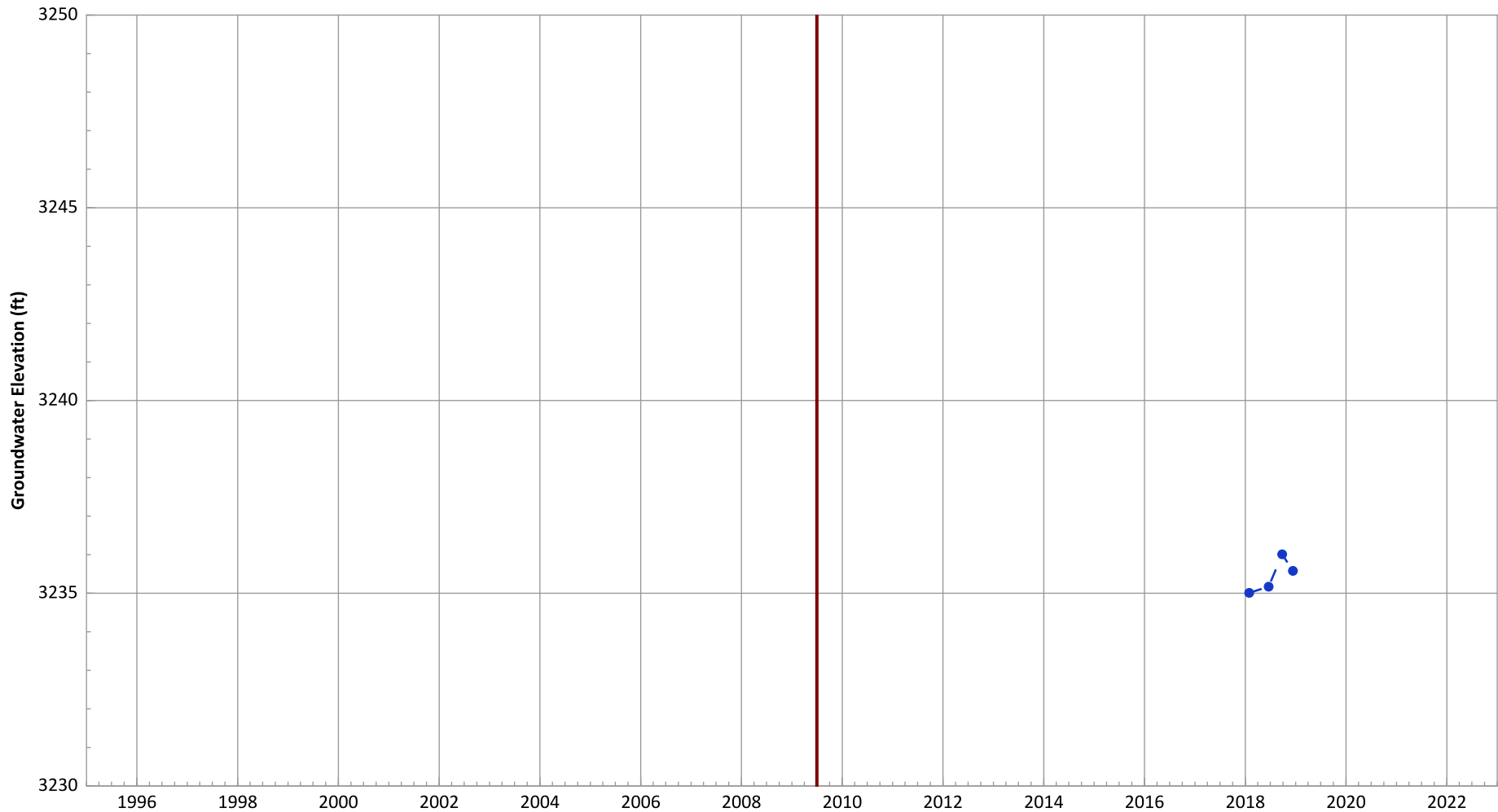
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.13 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

PTX06-ISB318 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3236.02 ft msl.
  2. The bottom of screen elevation is 3226.02 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- - - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

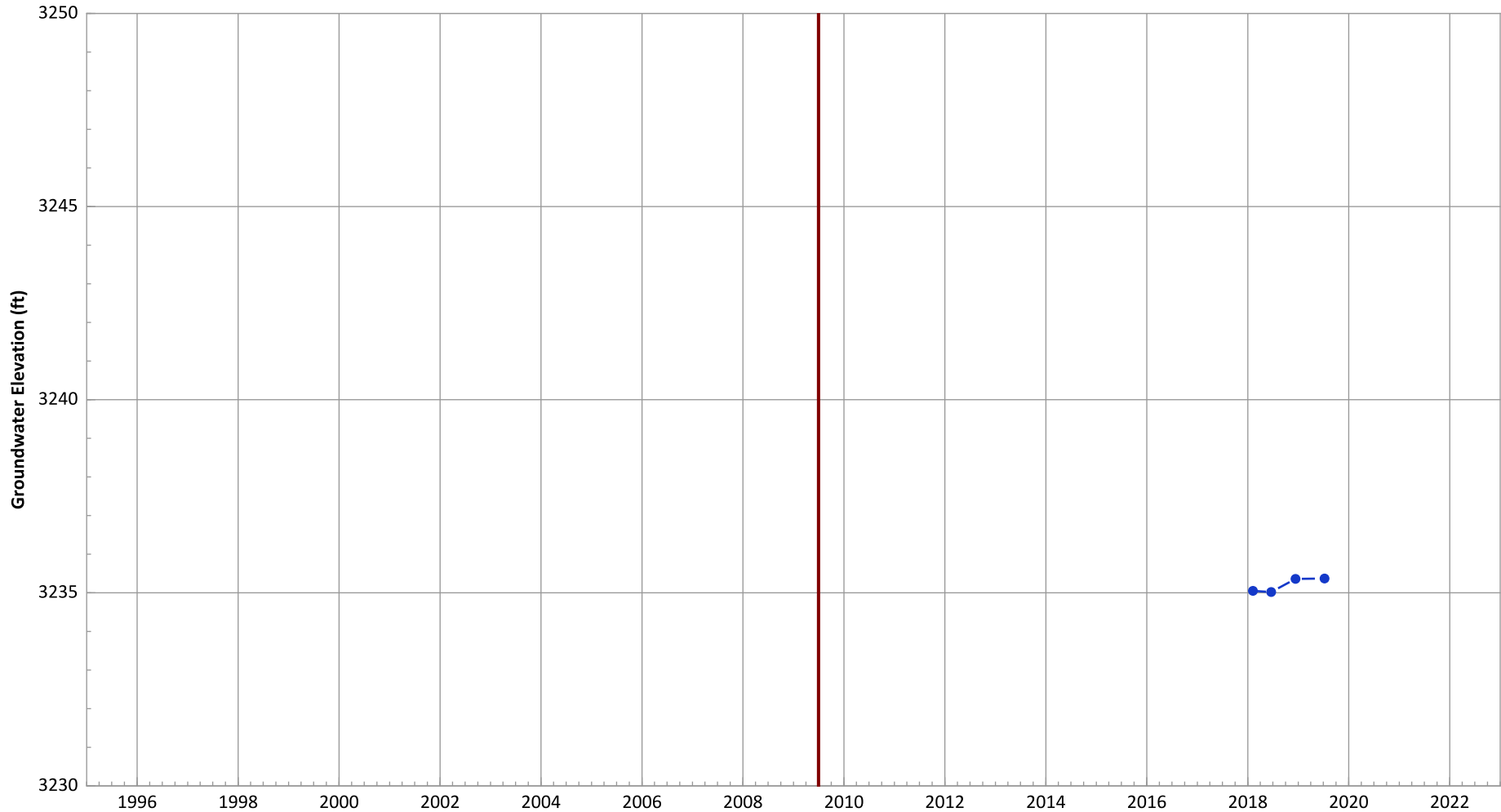
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.92 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.92 ft/yr

PTX06-ISB319 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:  
 1. Top of screen elevation is 3235.66 ft msl.  
 2. The bottom of screen elevation is 3225.66 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- - - ● - - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.27 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.27 ft/yr

PTX06-ISB320 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3238.03 ft msl.
  2. The bottom of screen elevation is 3228.03 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB321 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



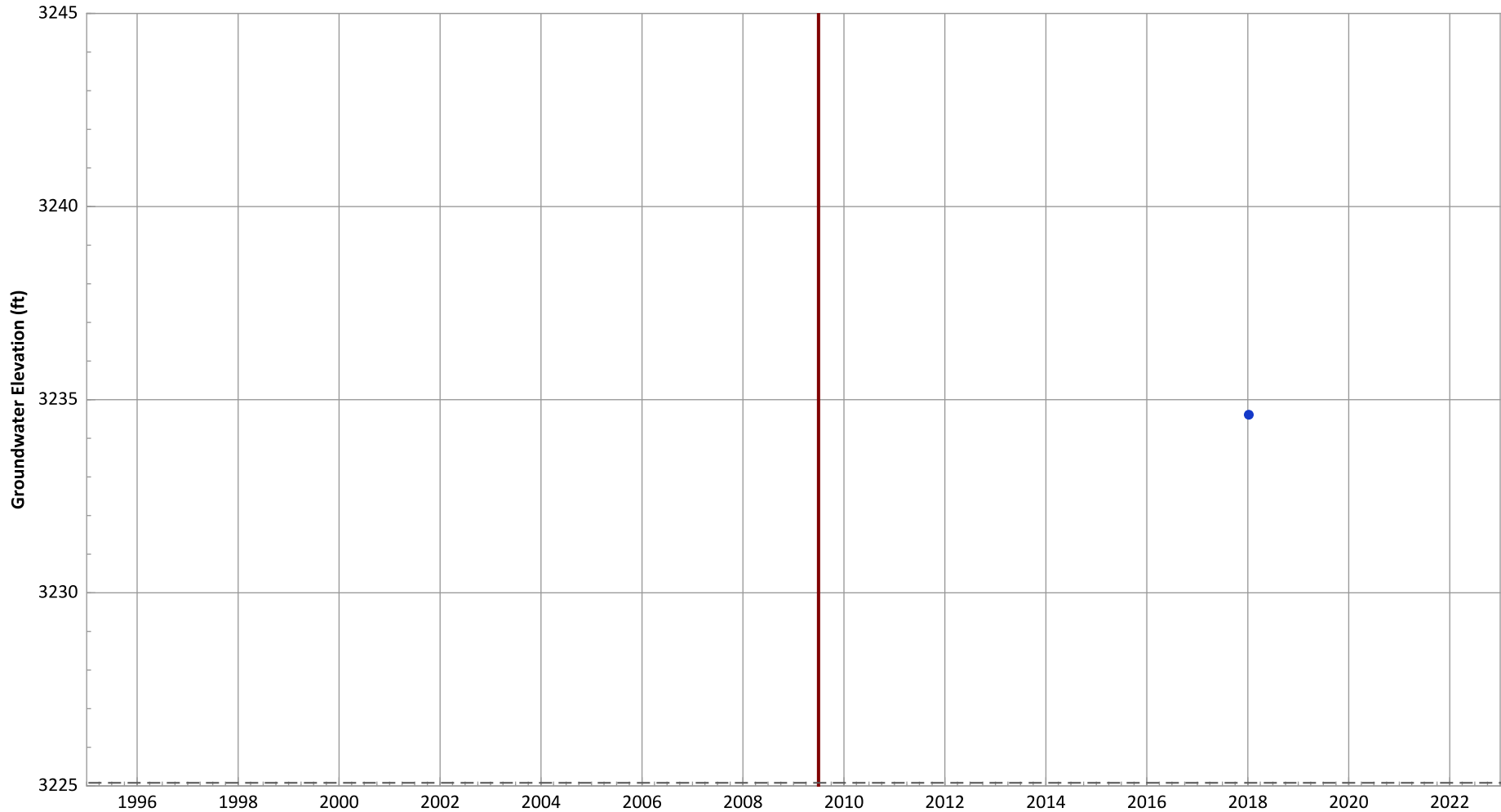
Notes:  
 1. Top of screen elevation is 3236.09 ft msl.  
 2. The bottom of screen elevation is 3226.09 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.1 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

**PTX06-ISB322 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



Notes:  
 1. Top of screen elevation is 3235.08 ft msl.  
 2. The bottom of screen elevation is 3225.08 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

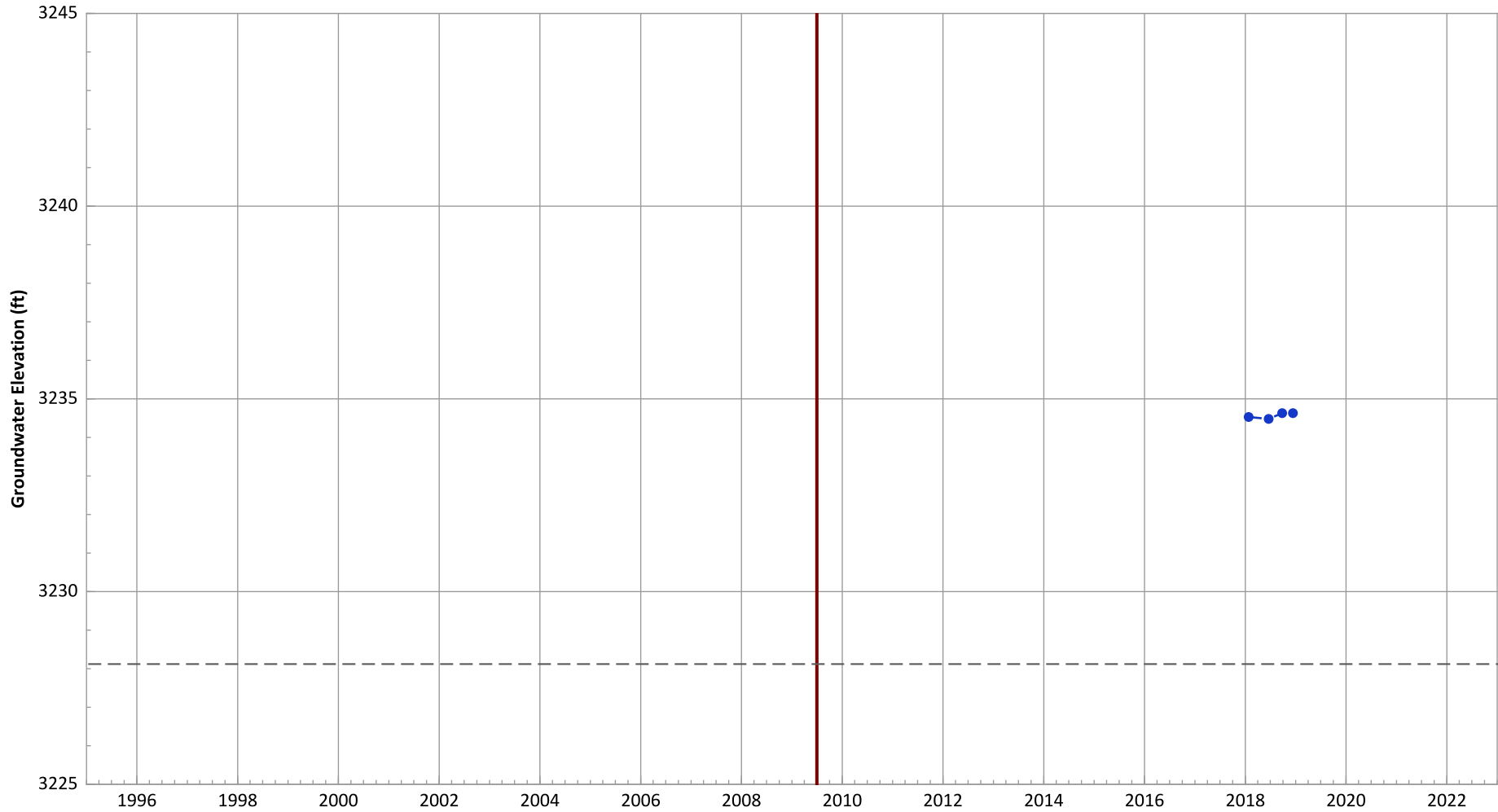
- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-ISB323 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3238.12 ft msl.
  2. The bottom of screen elevation is 3228.12 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

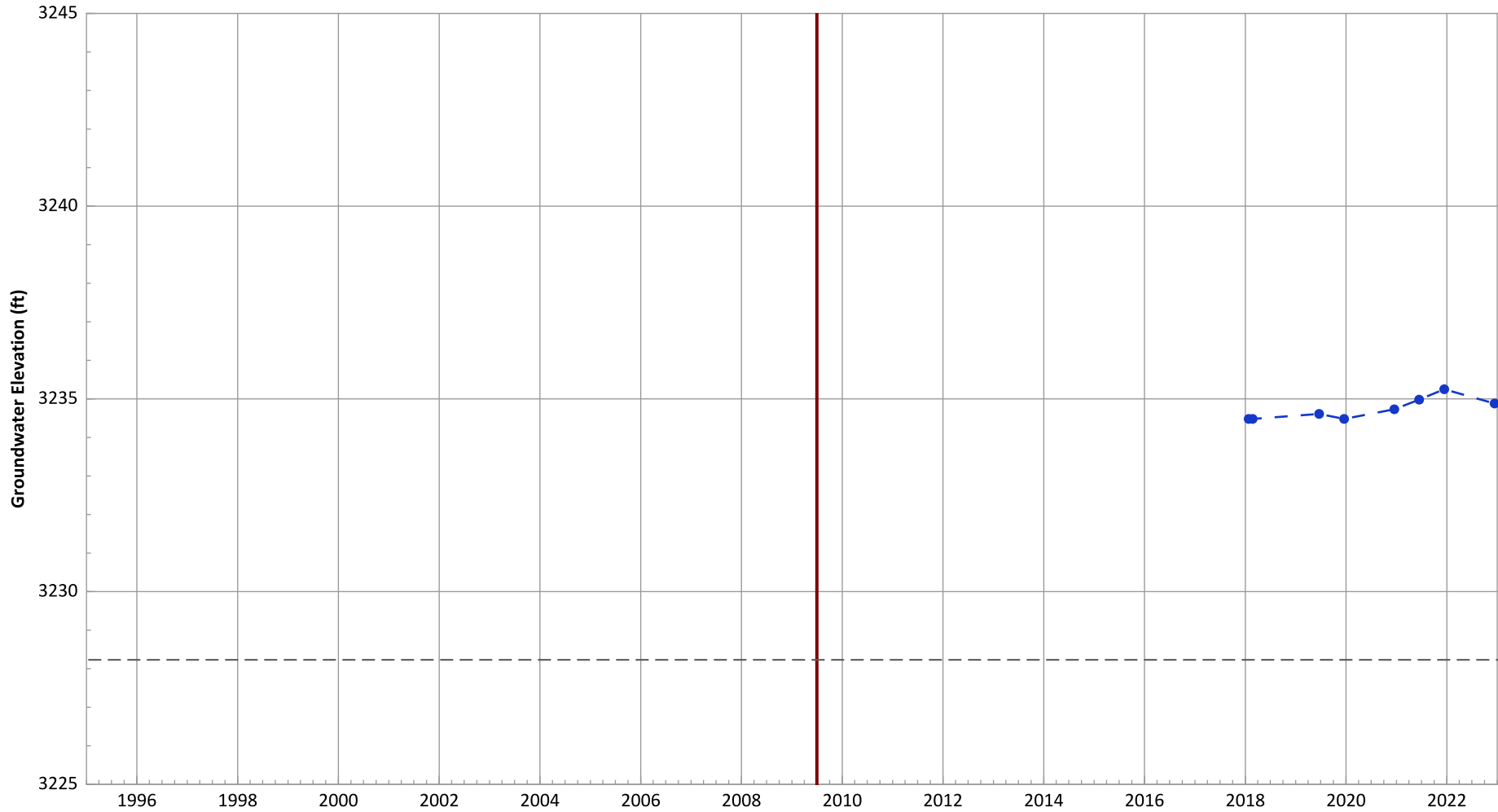
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.14 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.14 ft/yr

PTX06-ISB324 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3238.23 ft msl.
  2. The bottom of screen elevation is 3228.23 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

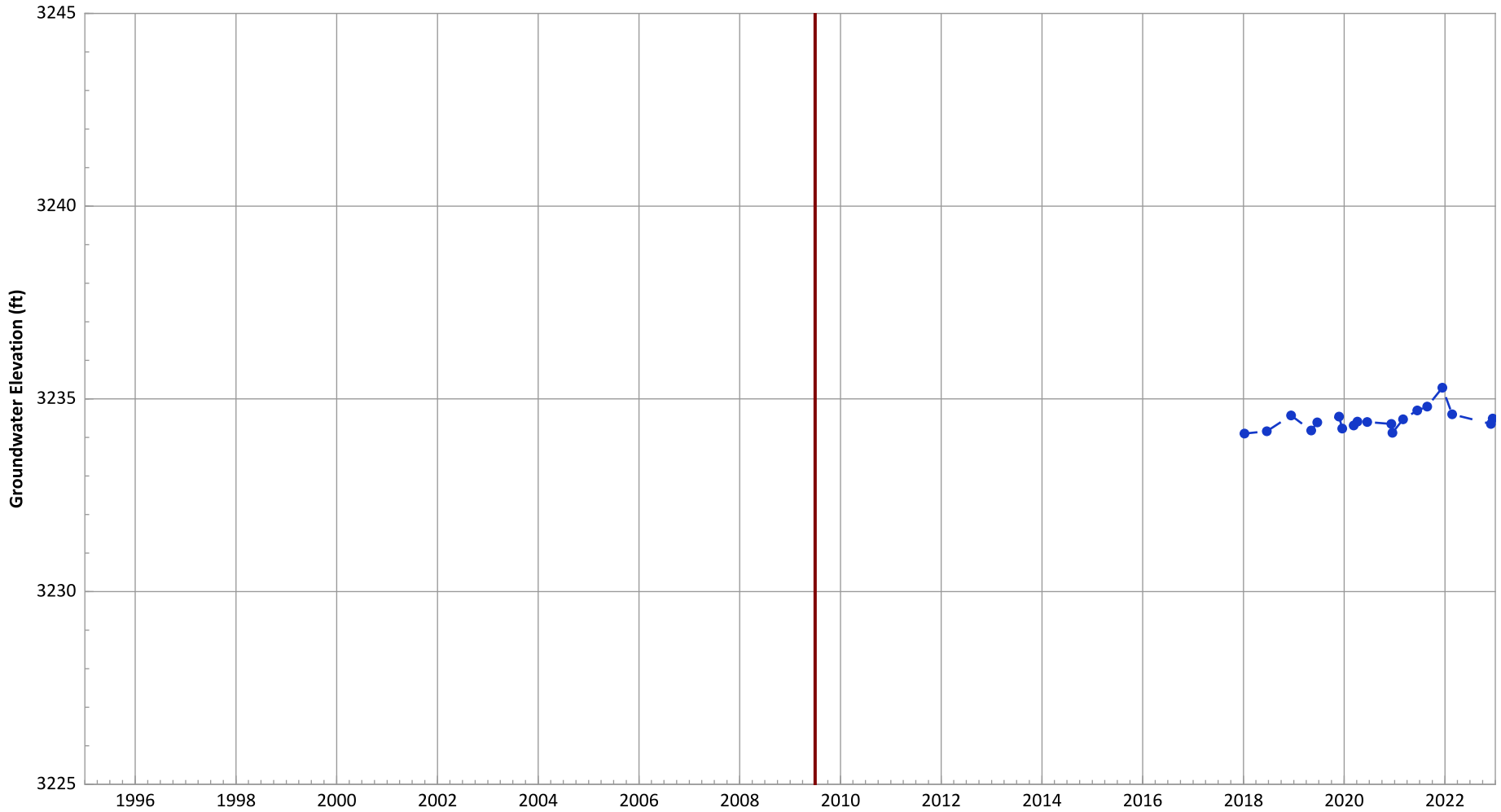
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.13 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

PTX06-ISB325 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3233.2 ft msl.
  2. The bottom of screen elevation is 3223.2 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



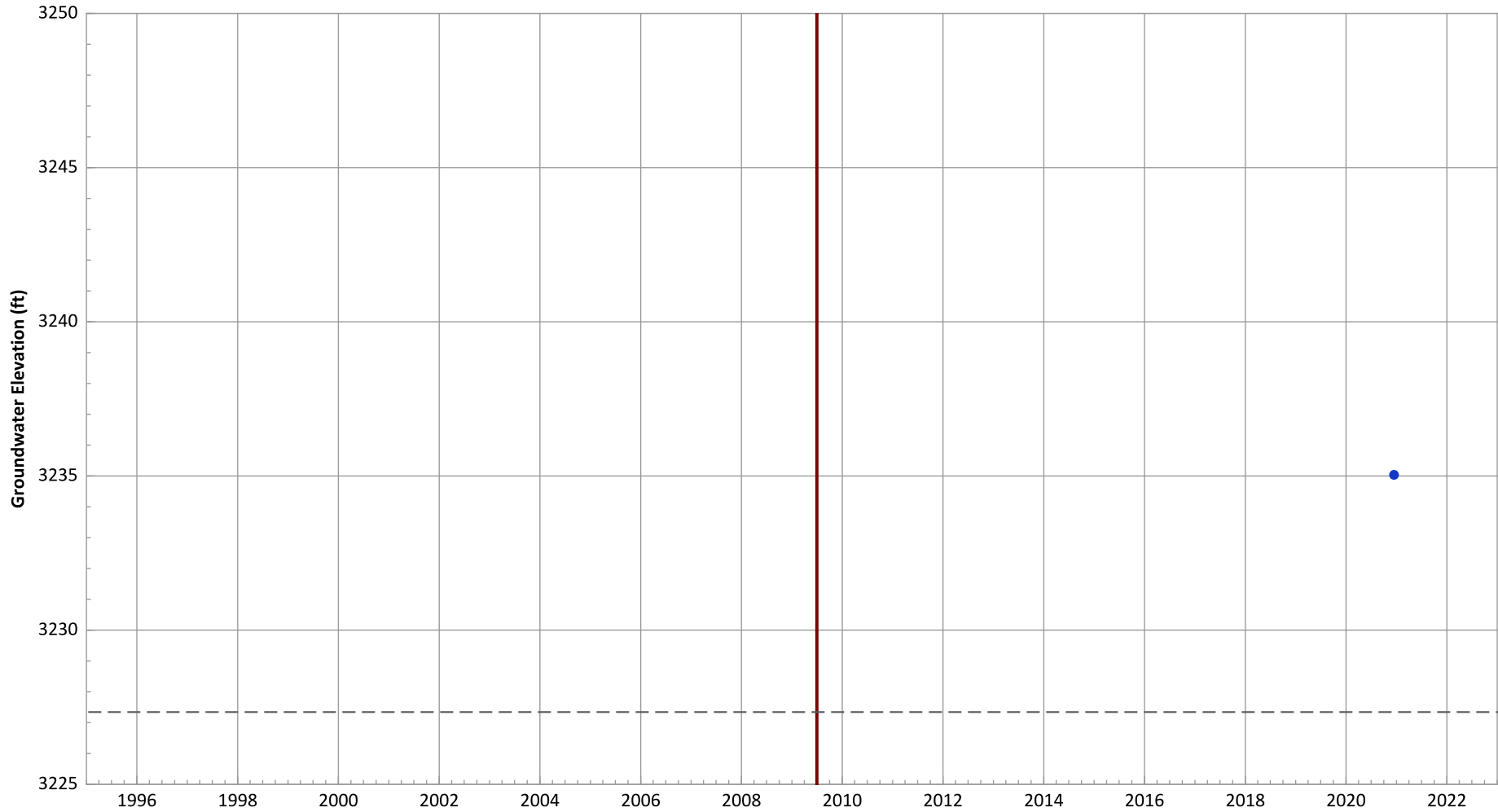
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: Increasing at 0.1 ft/yr

Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

PTX06-ISB327 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3242.34 ft msl.
  2. The bottom of screen elevation is 3227.34 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

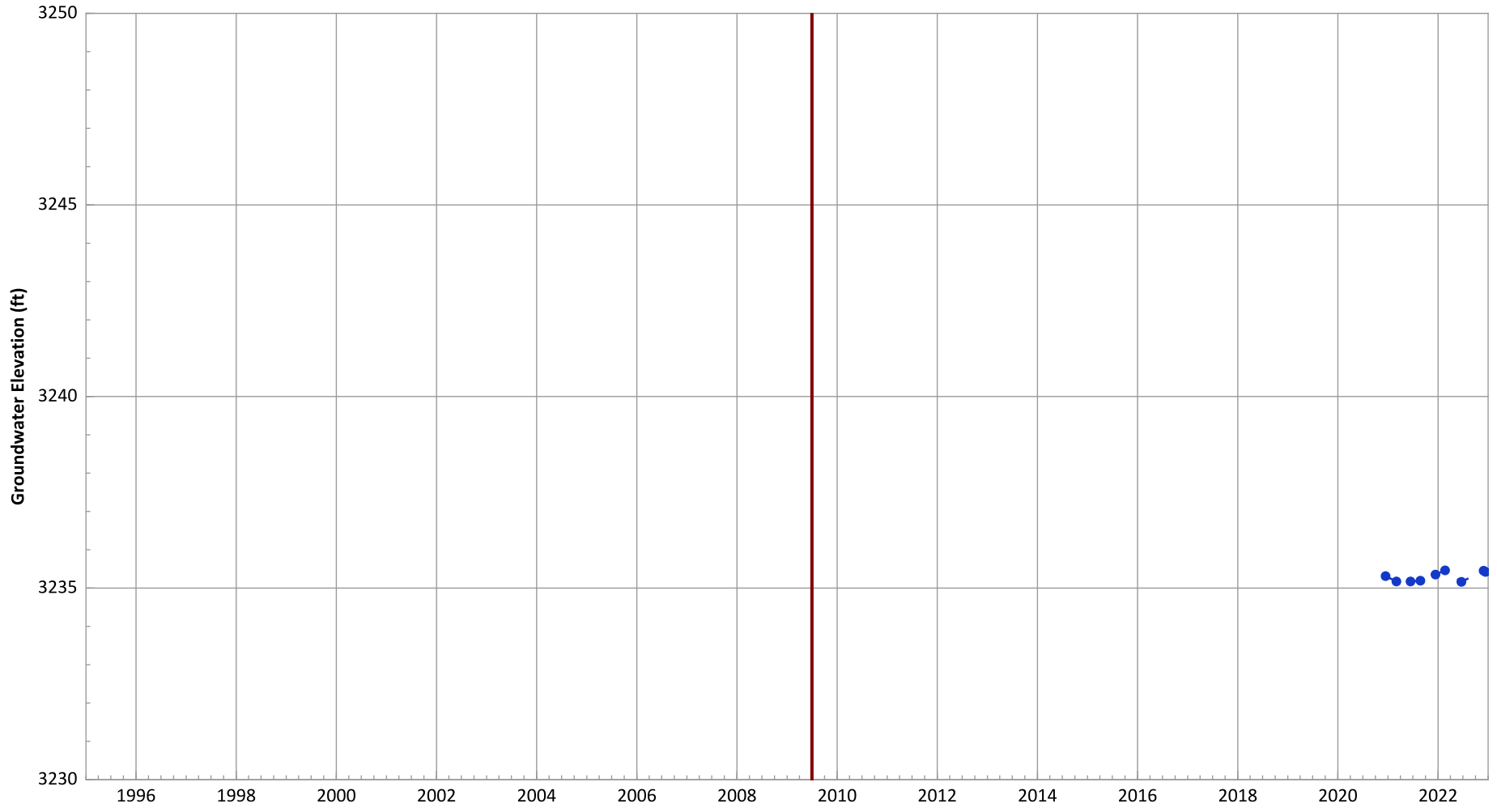
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB329 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



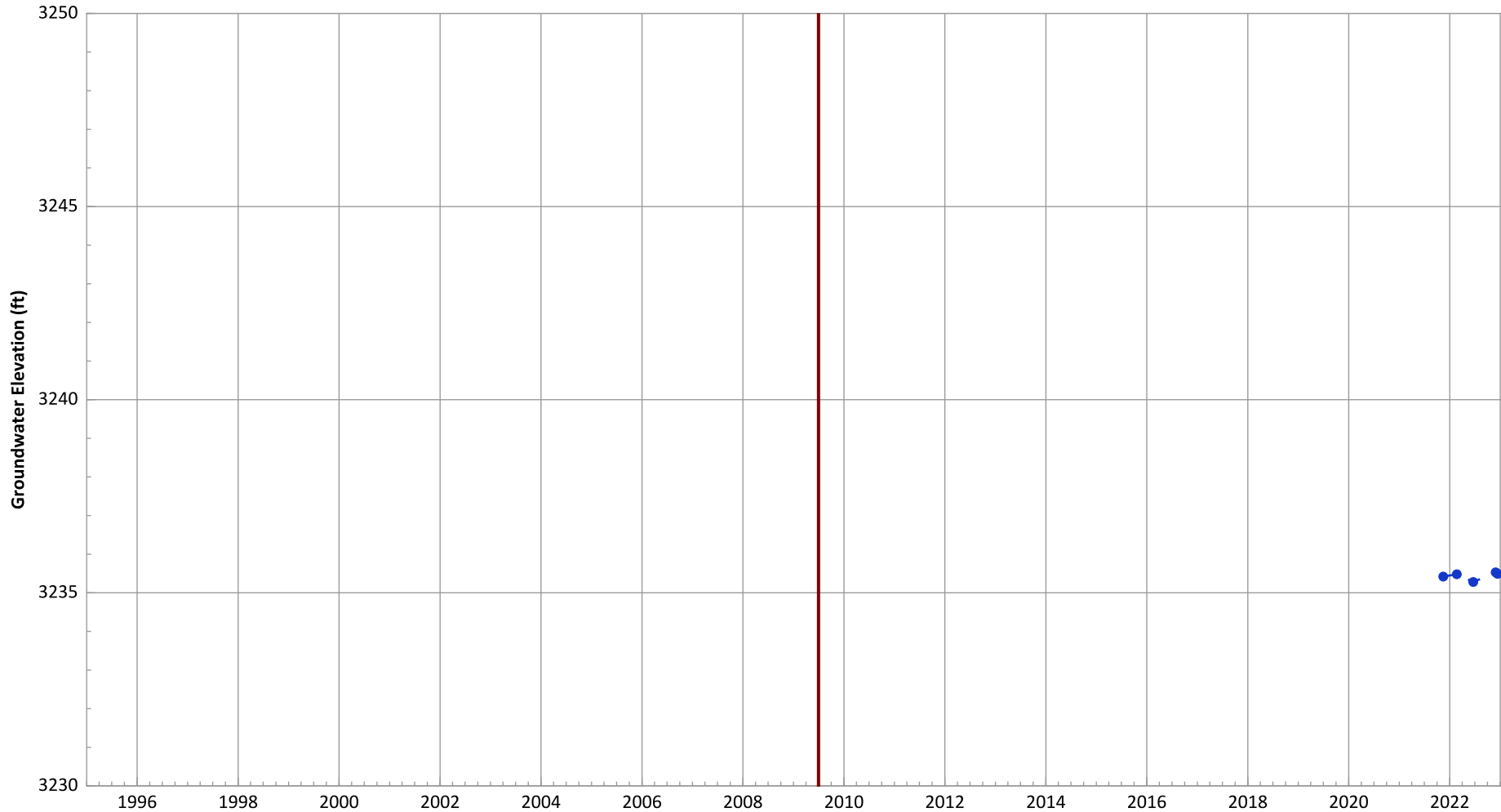
Notes:  
 1. Top of screen elevation is 3242.85 ft msl.  
 2. The bottom of screen elevation is 3227.85 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB331 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



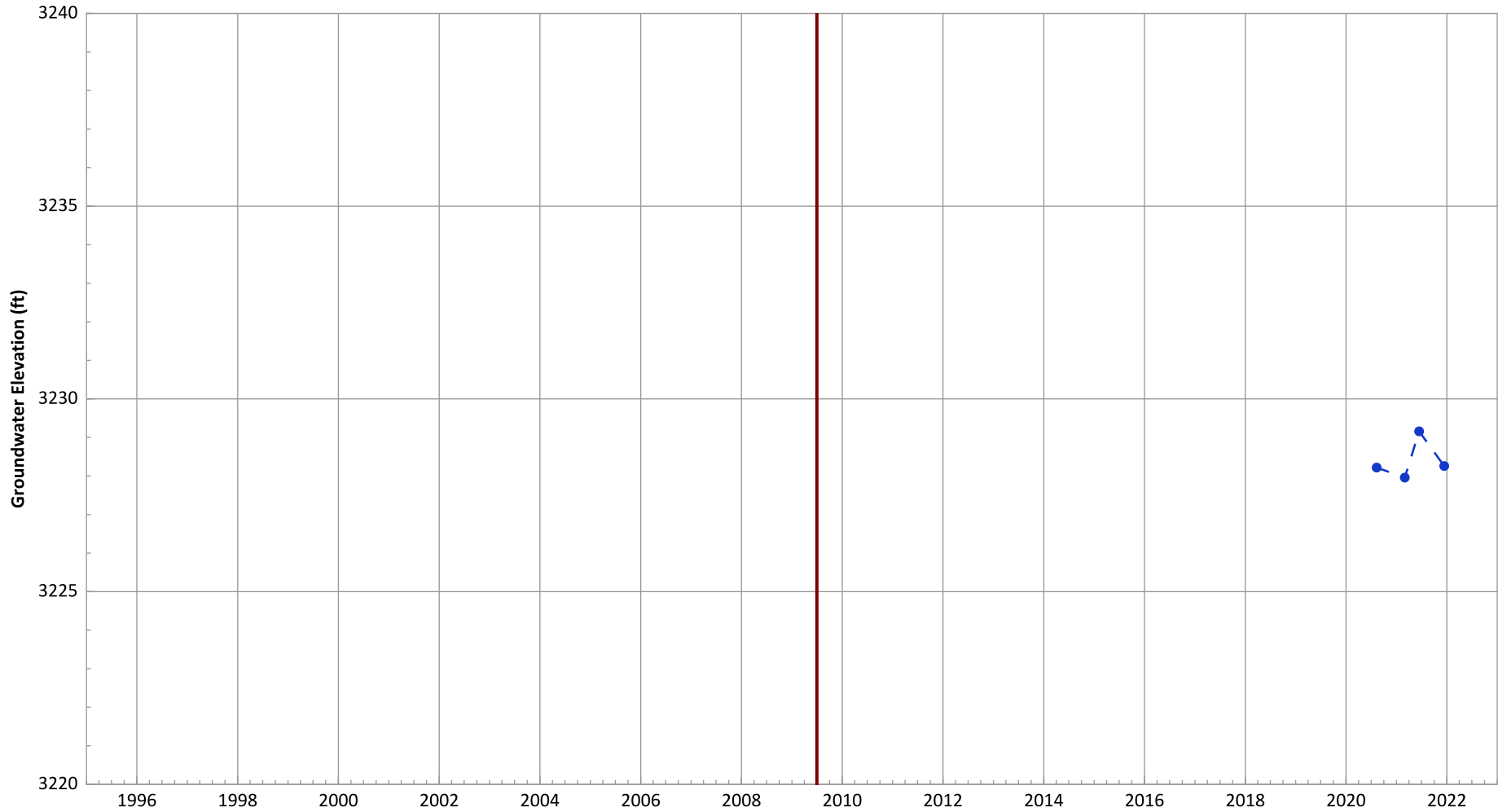
Notes:  
1. Top of screen elevation is 3244.05 ft msl.  
2. The bottom of screen elevation is 3229.05 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB401 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3239.2 ft msl.
  2. The bottom of screen elevation is 3219.2 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- - - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

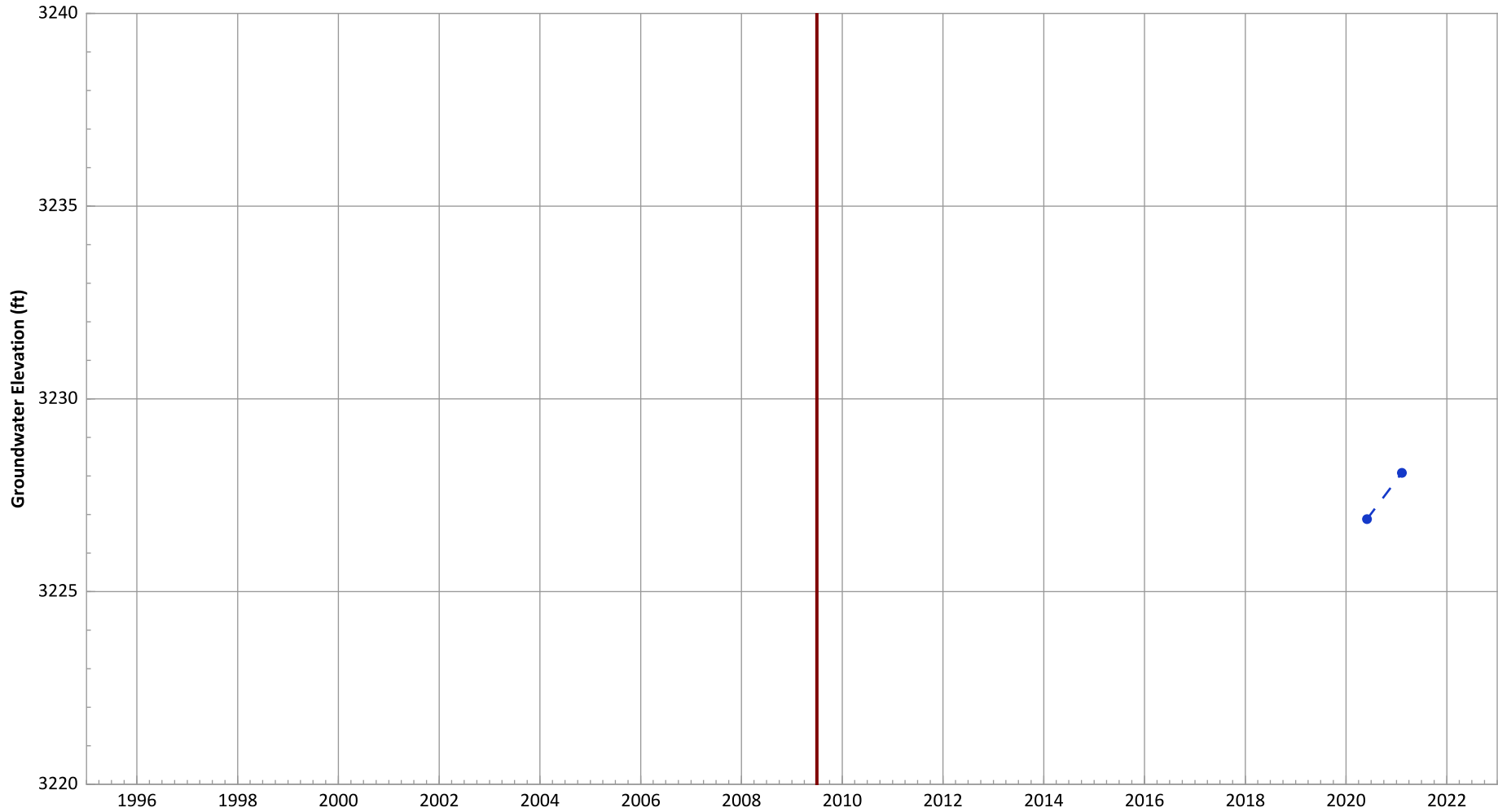
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.22 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.22 ft/yr

**PTX06-ISB402 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3235.46 ft msl.
  2. The bottom of screen elevation is 3215.46 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**

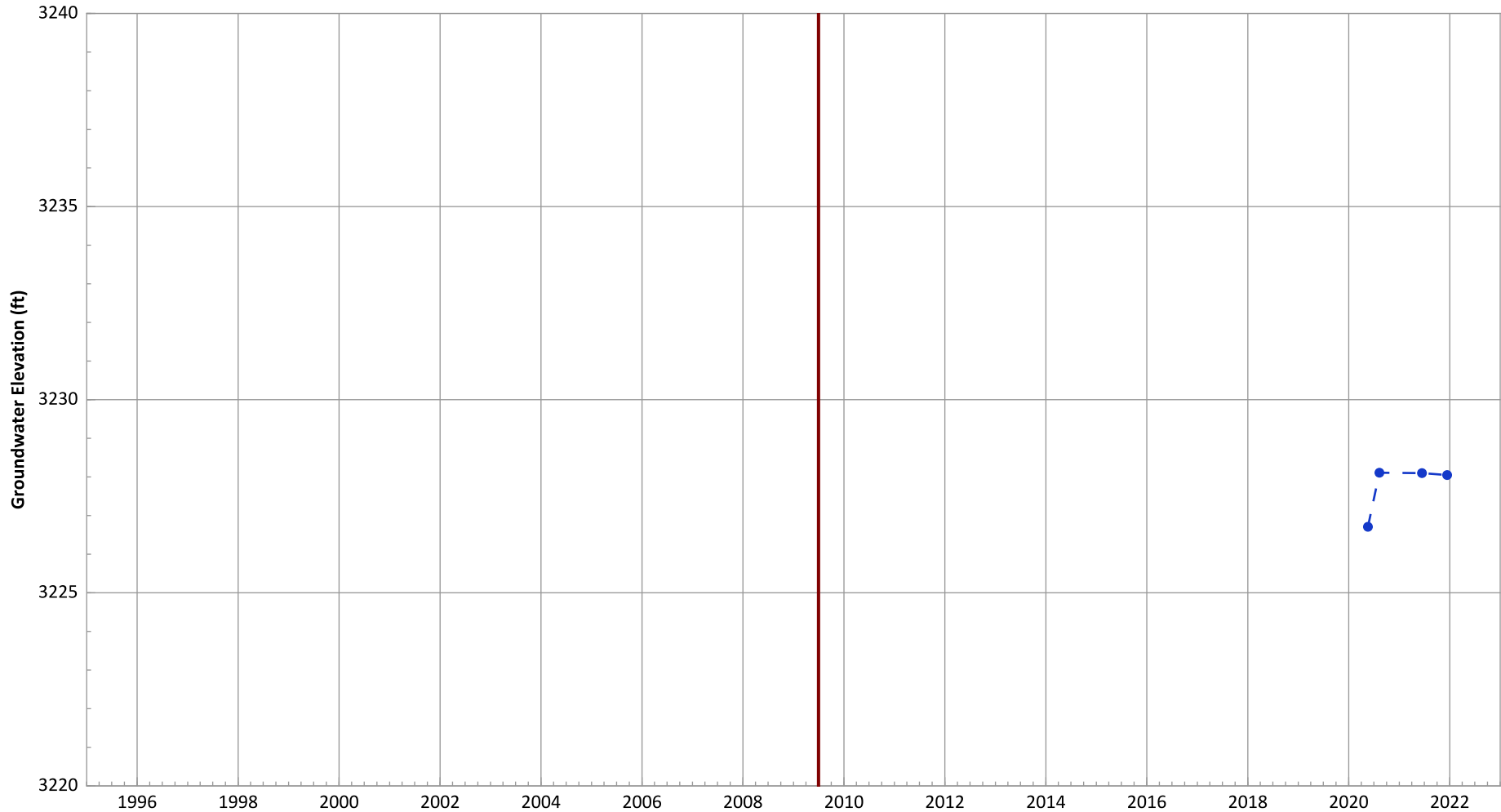


**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (<3 Measurements)



PTX06-ISB404 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



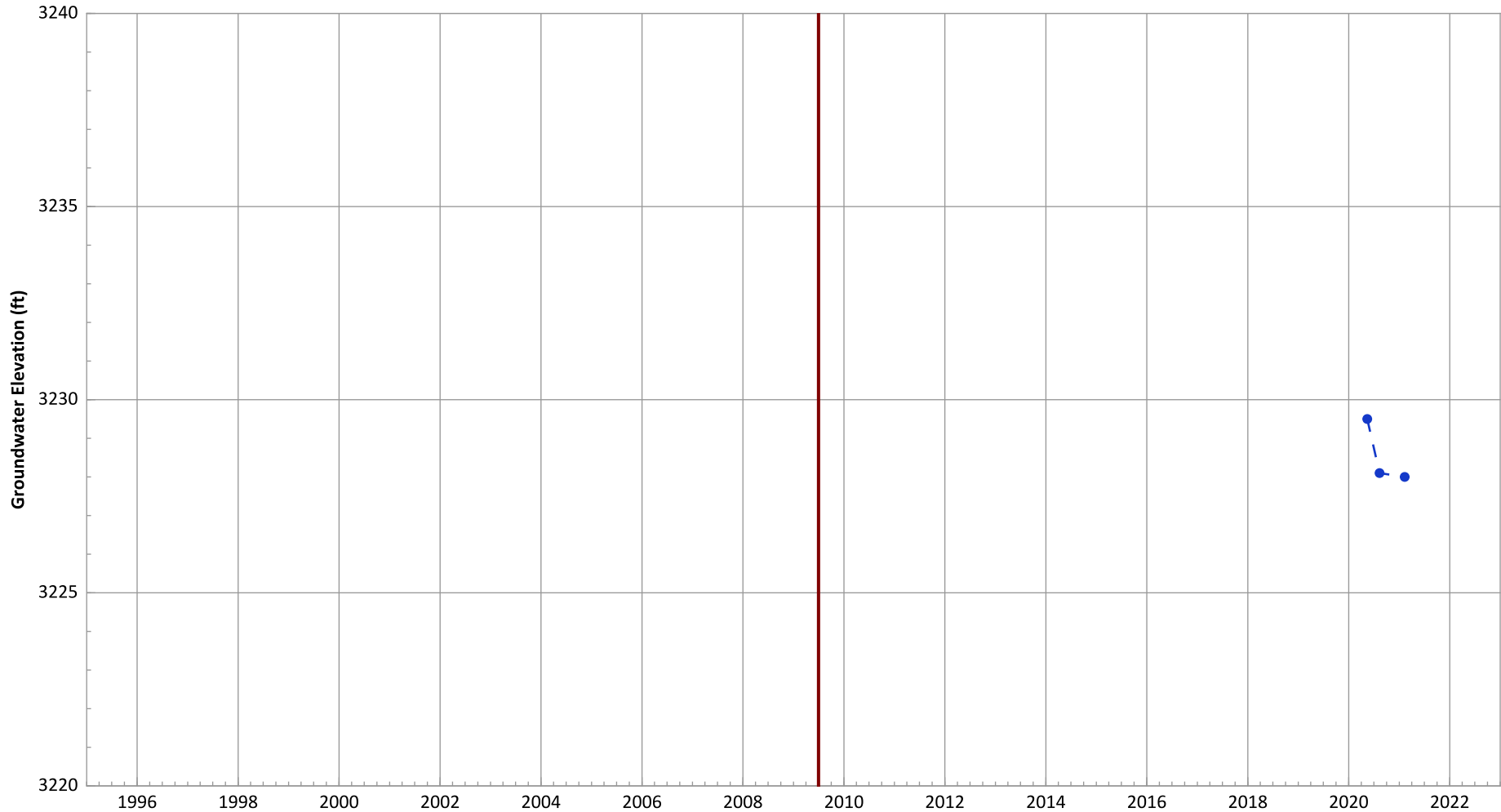
Notes:  
 1. Top of screen elevation is 3234.27 ft msl.  
 2. The bottom of screen elevation is 3214.27 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.59 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.59 ft/yr

**PTX06-ISB406 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



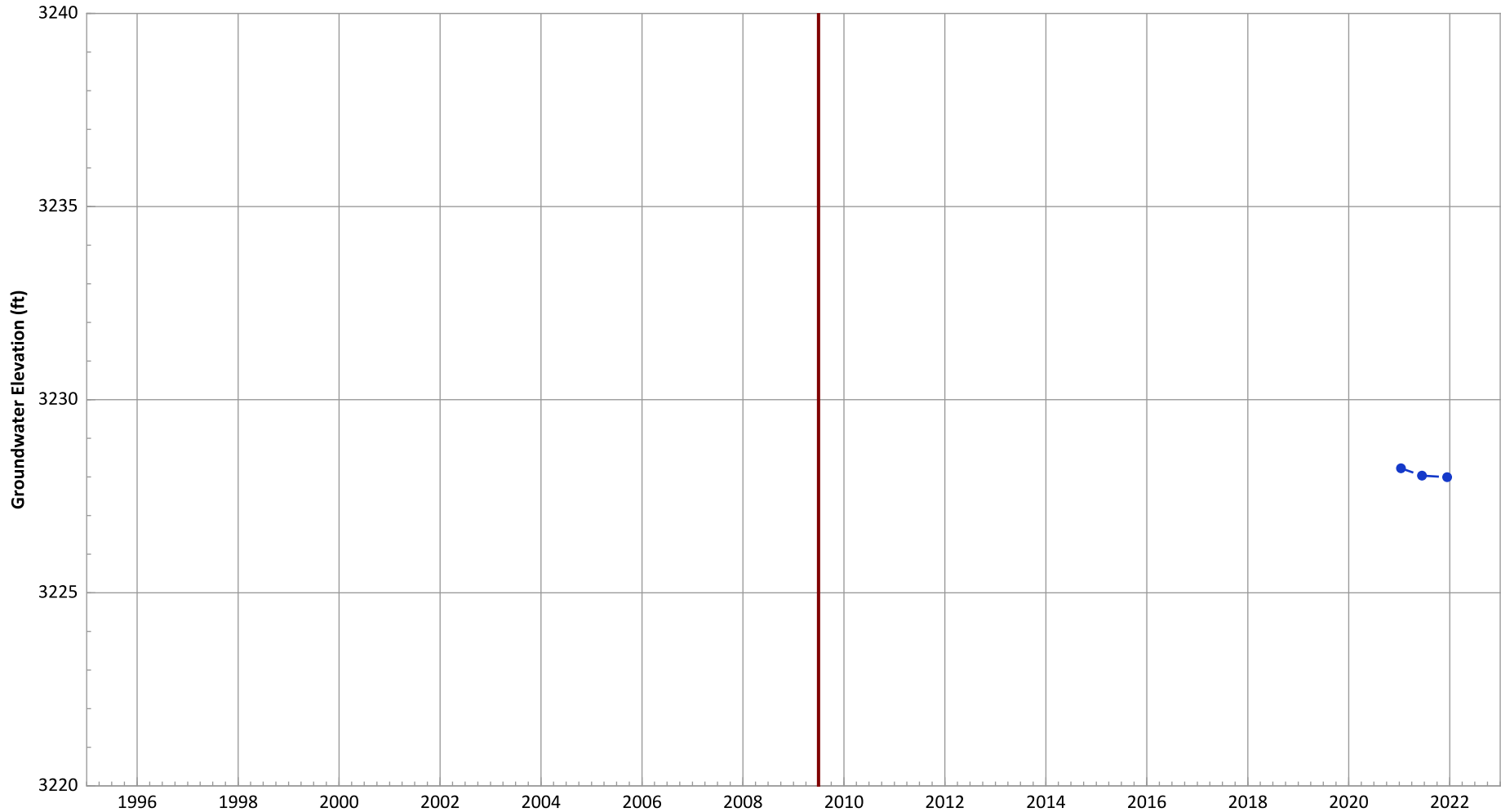
Notes:  
 1. Top of screen elevation is 3233.42 ft msl.  
 2. The bottom of screen elevation is 3213.42 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 1.75 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 1.75 ft/yr

PTX06-ISB407 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



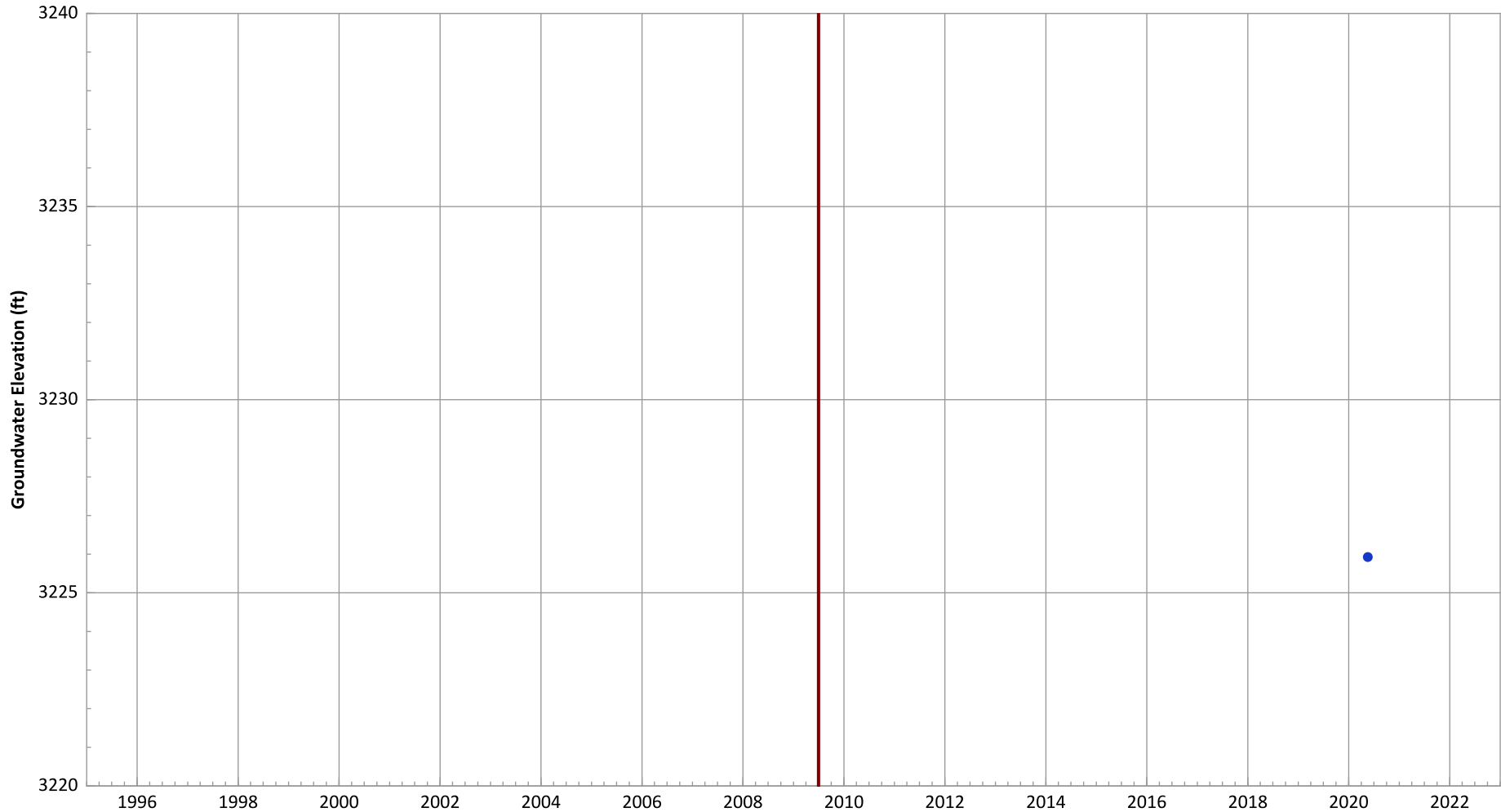
Notes:  
1. Top of screen elevation is 3233.32 ft msl.  
2. The bottom of screen elevation is 3213.32 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Decreasing at 0.25 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.25 ft/yr

PTX06-ISB408 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



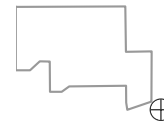
Notes:

- 1. Top of screen elevation is 3233.67 ft msl.
  - 2. The bottom of screen elevation is 3213.67 ft msl.
  - 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
- Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



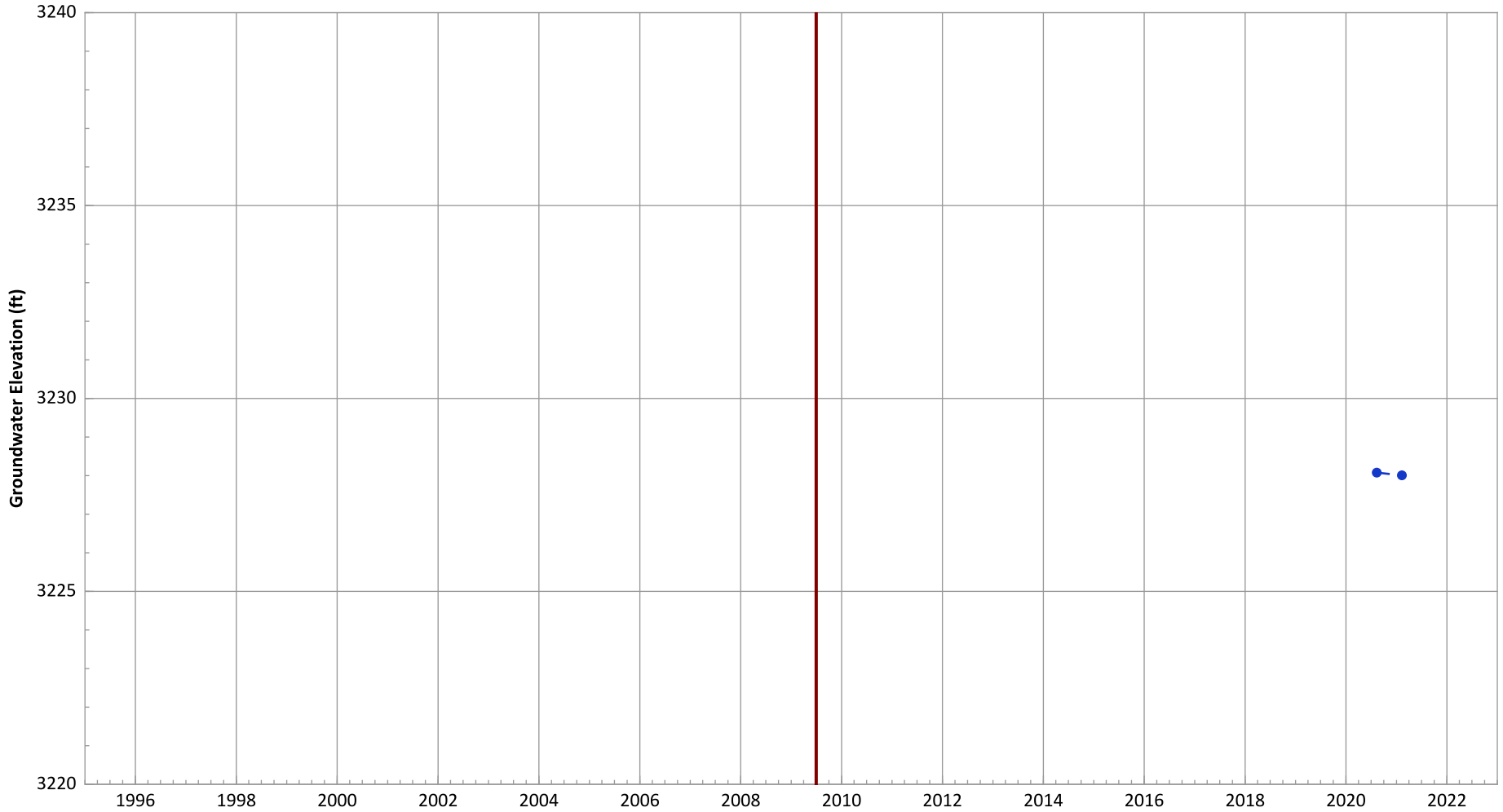
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB409 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

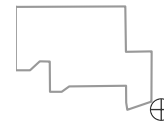


Notes:

1. Top of screen elevation is 3236.74 ft msl.
  2. The bottom of screen elevation is 3216.74 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

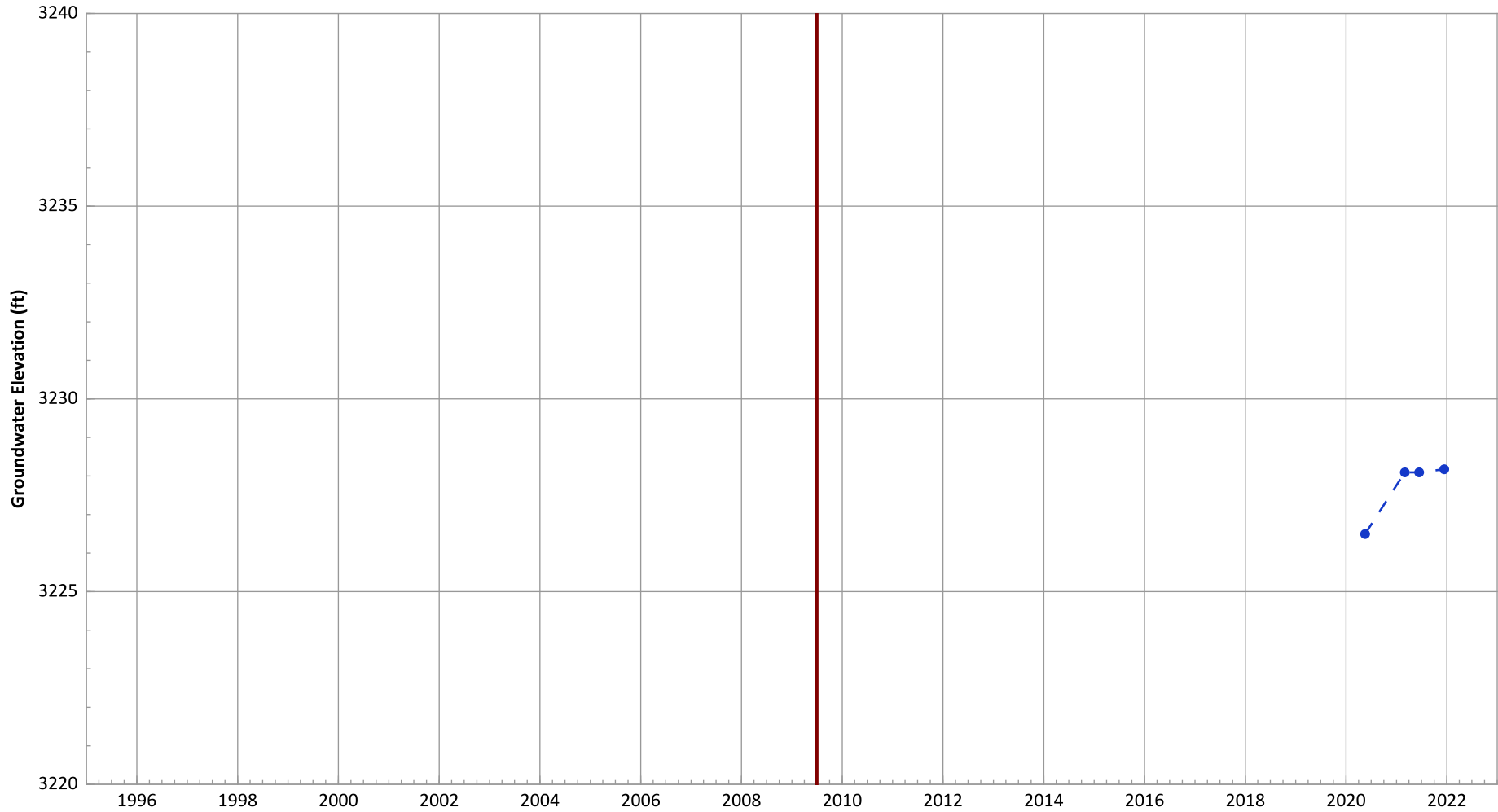
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB410 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

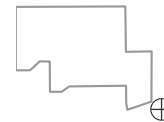


Notes:

1. Top of screen elevation is 3237.87 ft msl.
  2. The bottom of screen elevation is 3217.87 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

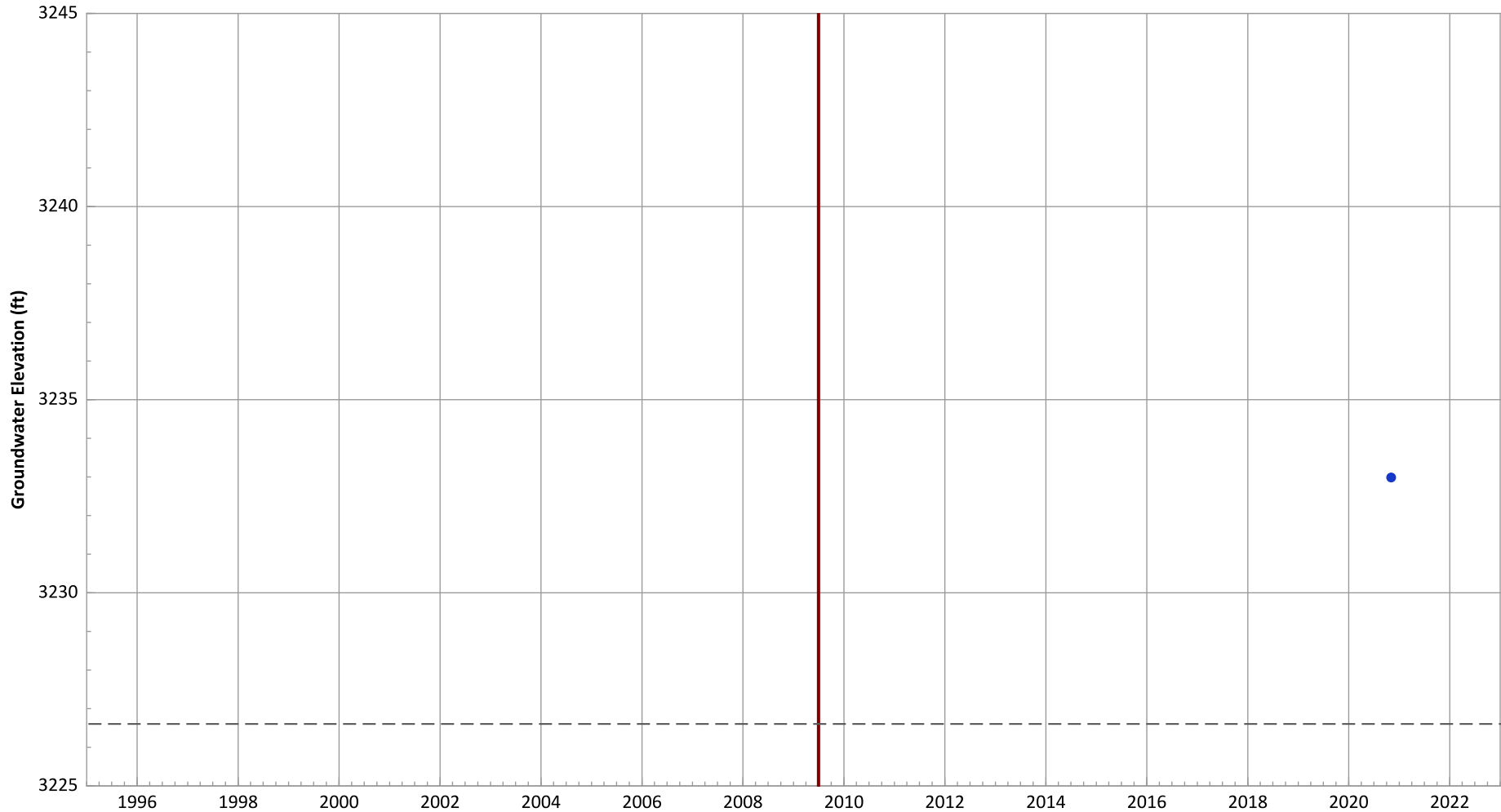
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 1.1 ft/yr  
Data (1/2017 - 1/2021): Increasing at 1.1 ft/yr

PTX06-ISB411 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



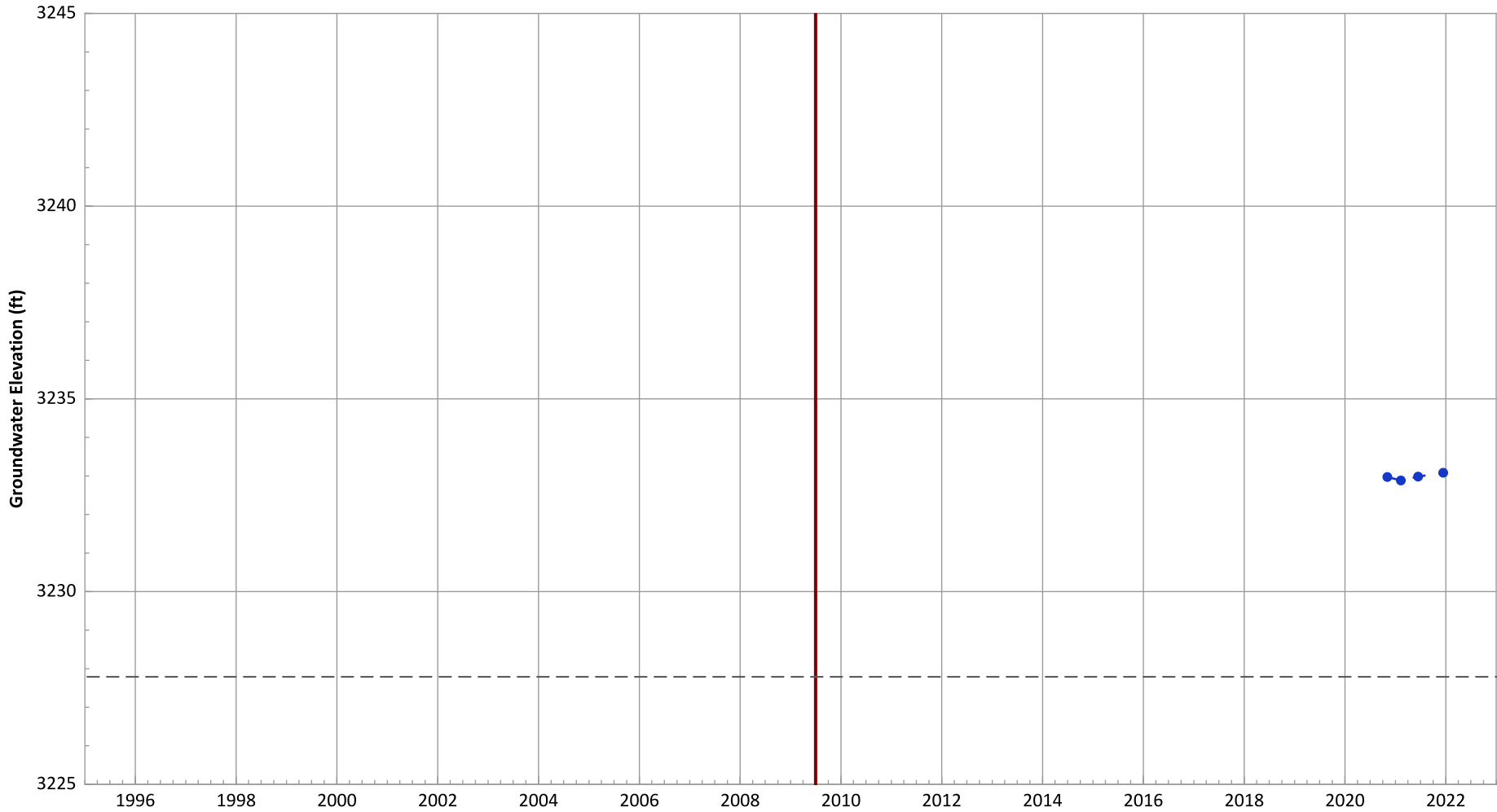
Notes:  
 1. Top of screen elevation is 3236.6 ft msl.  
 2. The bottom of screen elevation is 3226.6 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB412 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3237.79 ft msl.
  2. The bottom of screen elevation is 3227.79 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location

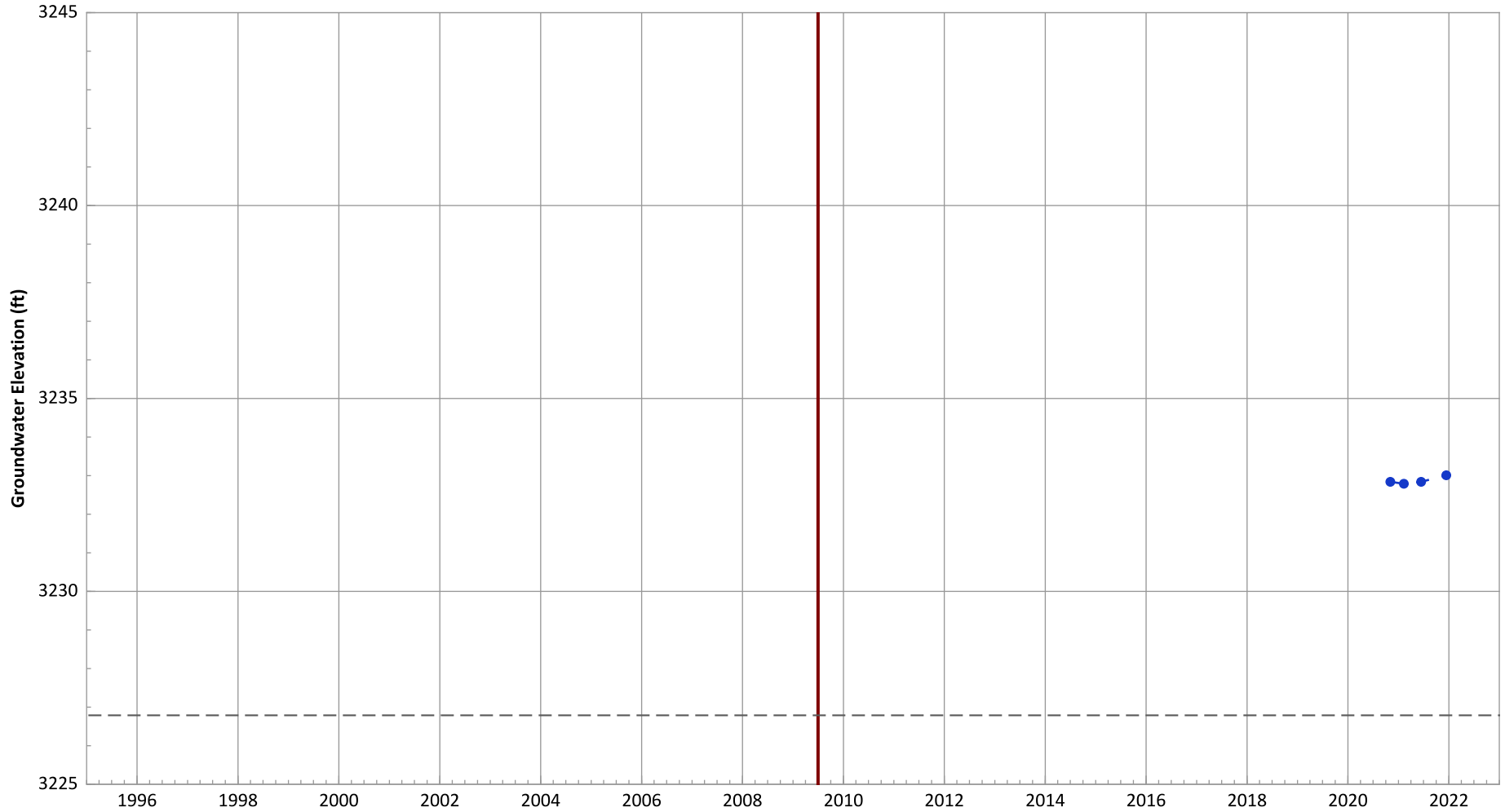


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.13 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.13 ft/yr



PTX06-ISB414 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3236.79 ft msl.
2. The bottom of screen elevation is 3226.79 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



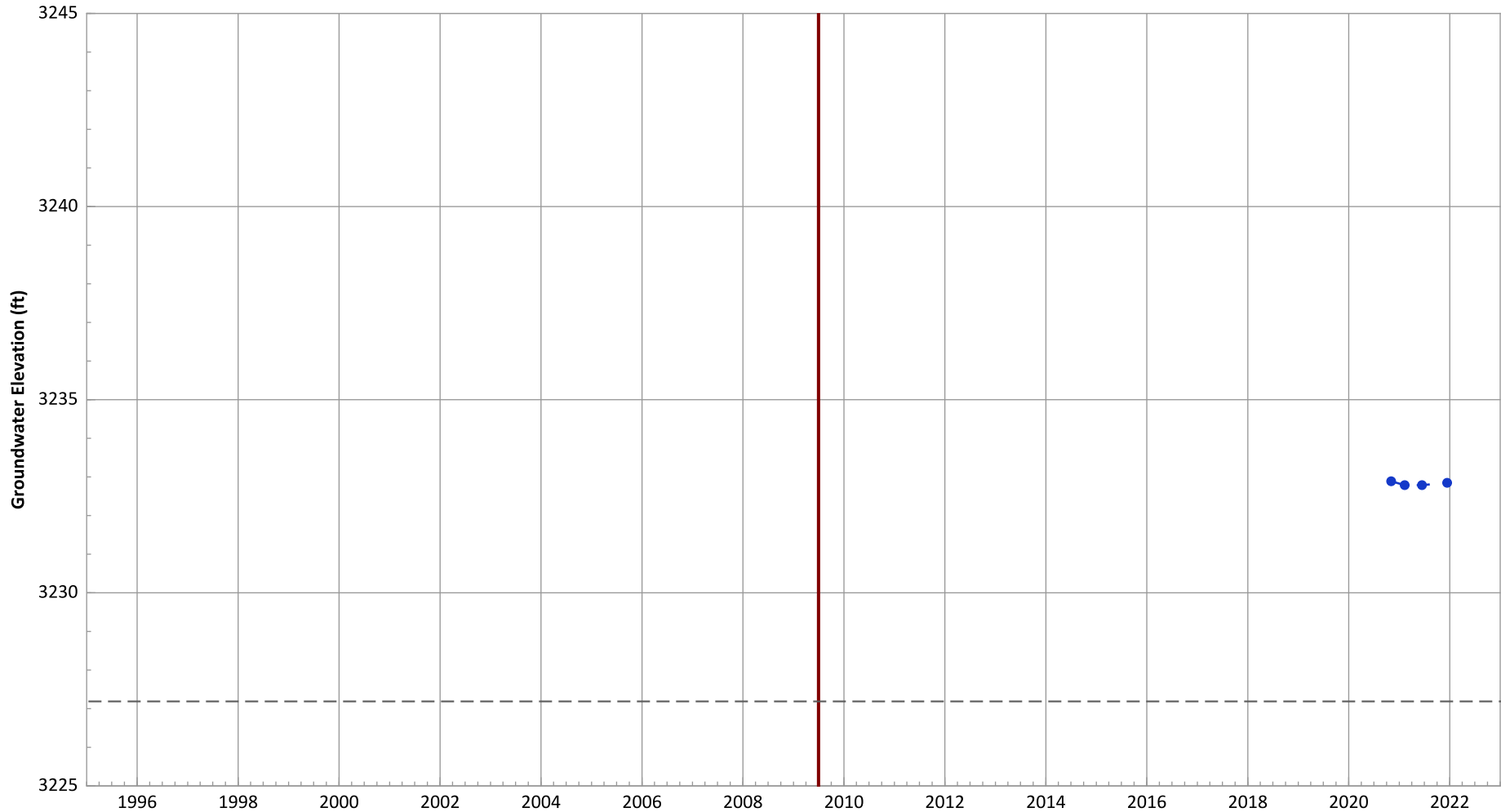
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: Increasing at 0.17 ft/yr

Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

PTX06-ISB416 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



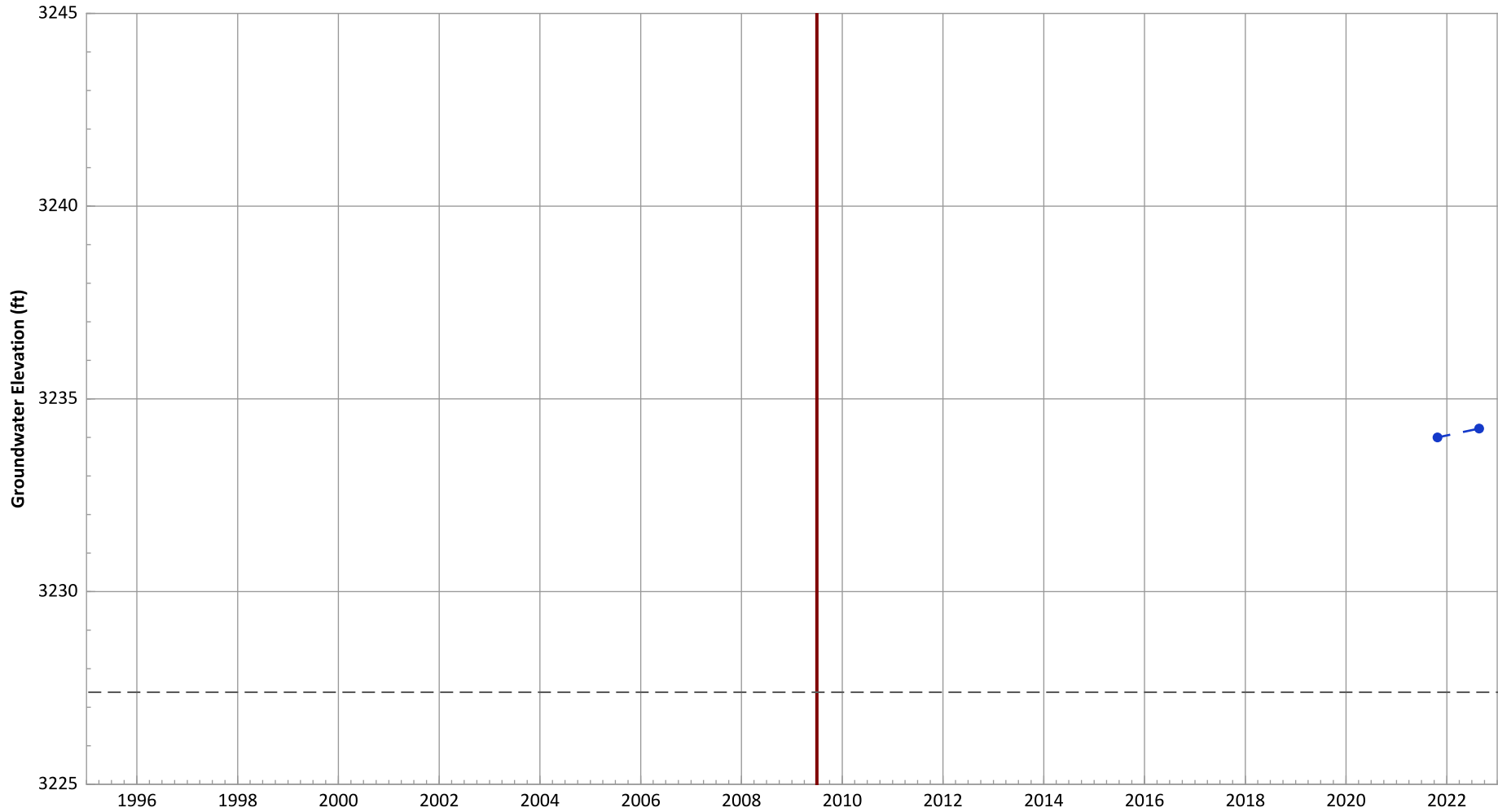
Notes:  
 1. Top of screen elevation is 3237.19 ft msl.  
 2. The bottom of screen elevation is 3227.19 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

PTX06-ISB417 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3242.39 ft msl.
  2. The bottom of screen elevation is 3227.39 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

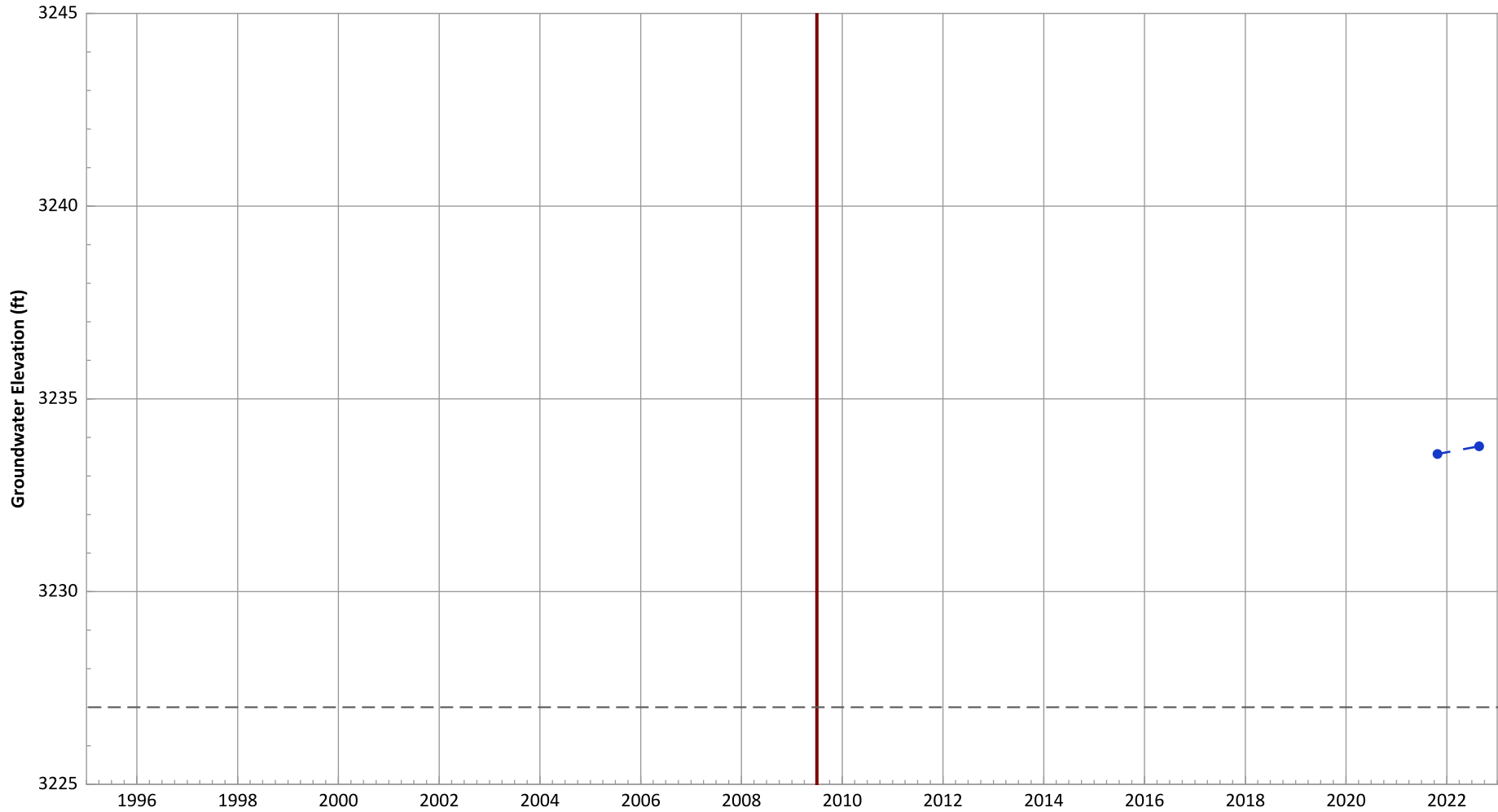
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB418 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



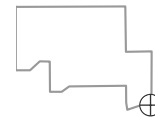
Notes:

1. Top of screen elevation is 3242.0 ft msl.
2. The bottom of screen elevation is 3227.0 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



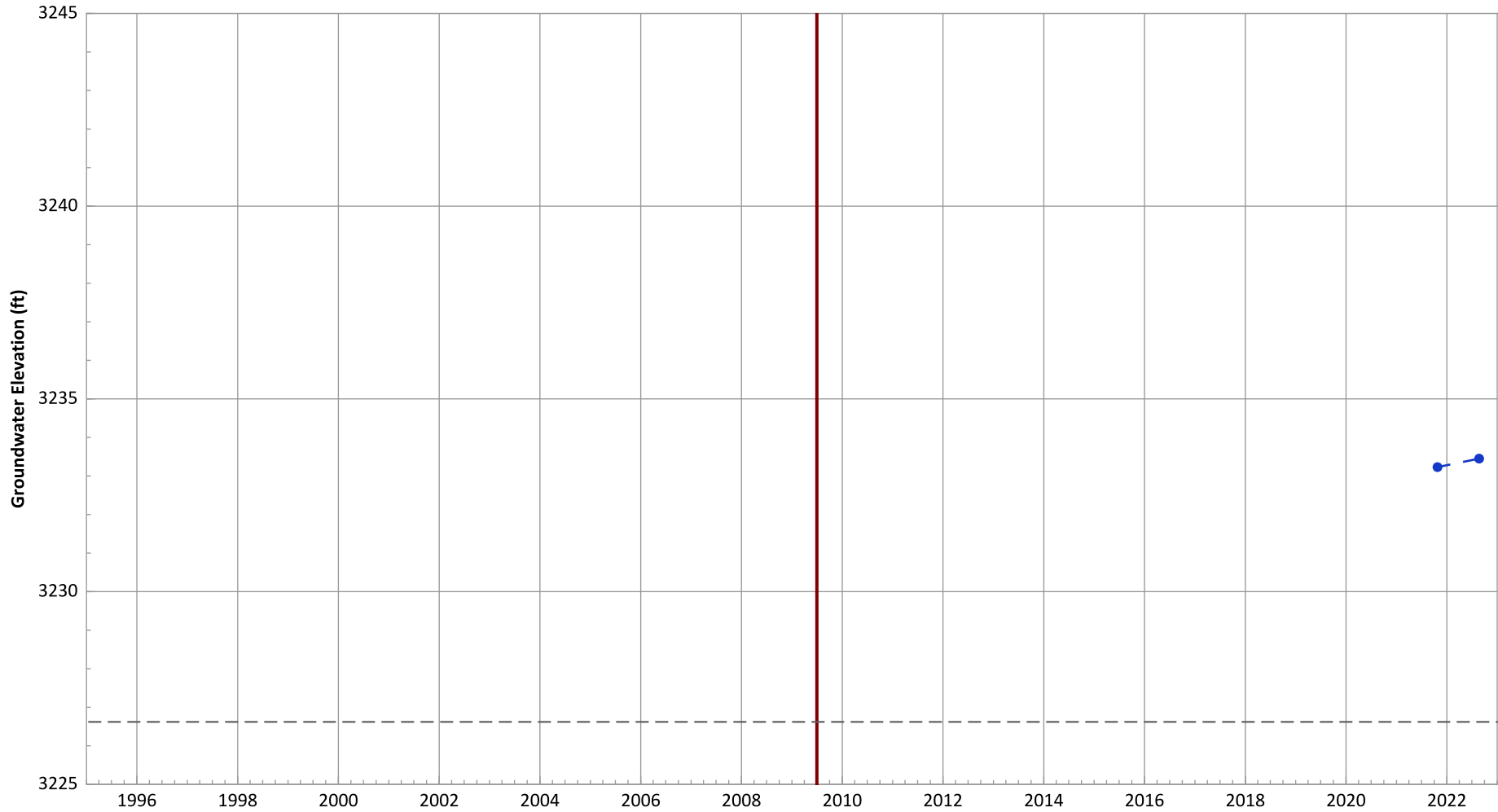
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (<3 Measurements)

Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB419 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3241.62 ft msl.
  2. The bottom of screen elevation is 3226.62 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- - - ● - Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

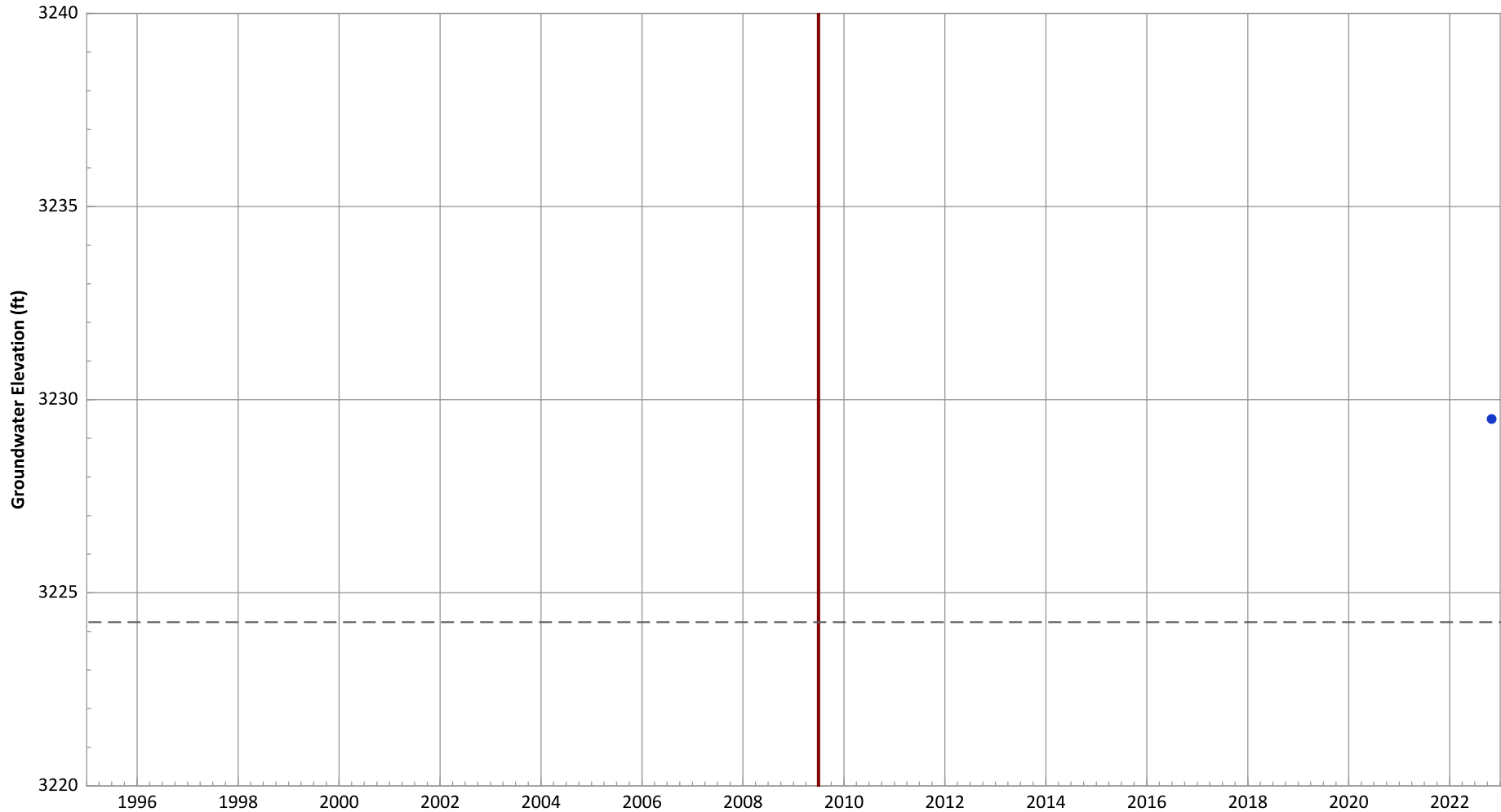
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-ISB427 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



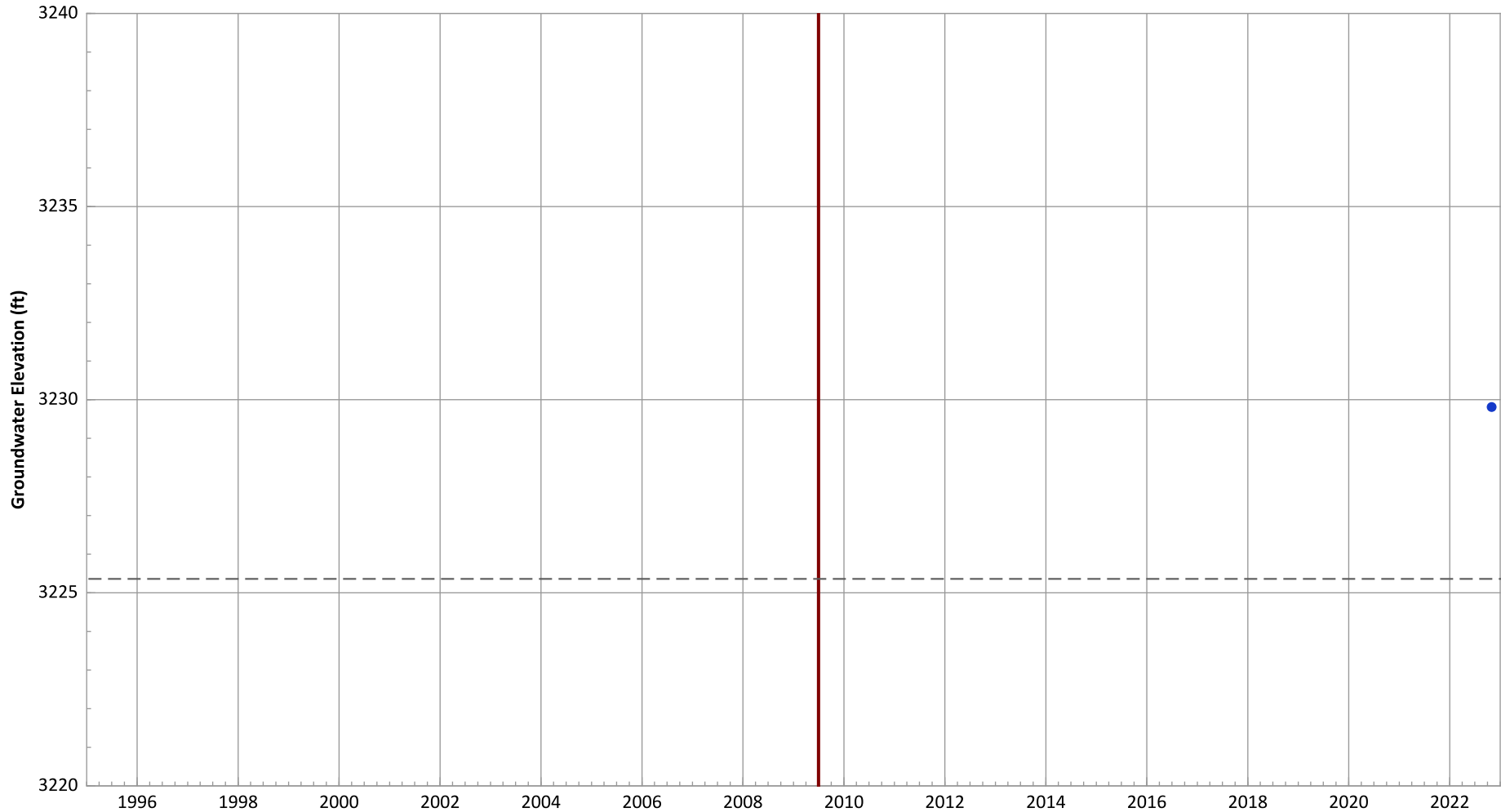
Notes:  
 1. Top of screen elevation is 3229.24 ft msl.  
 2. The bottom of screen elevation is 3224.24 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB431 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



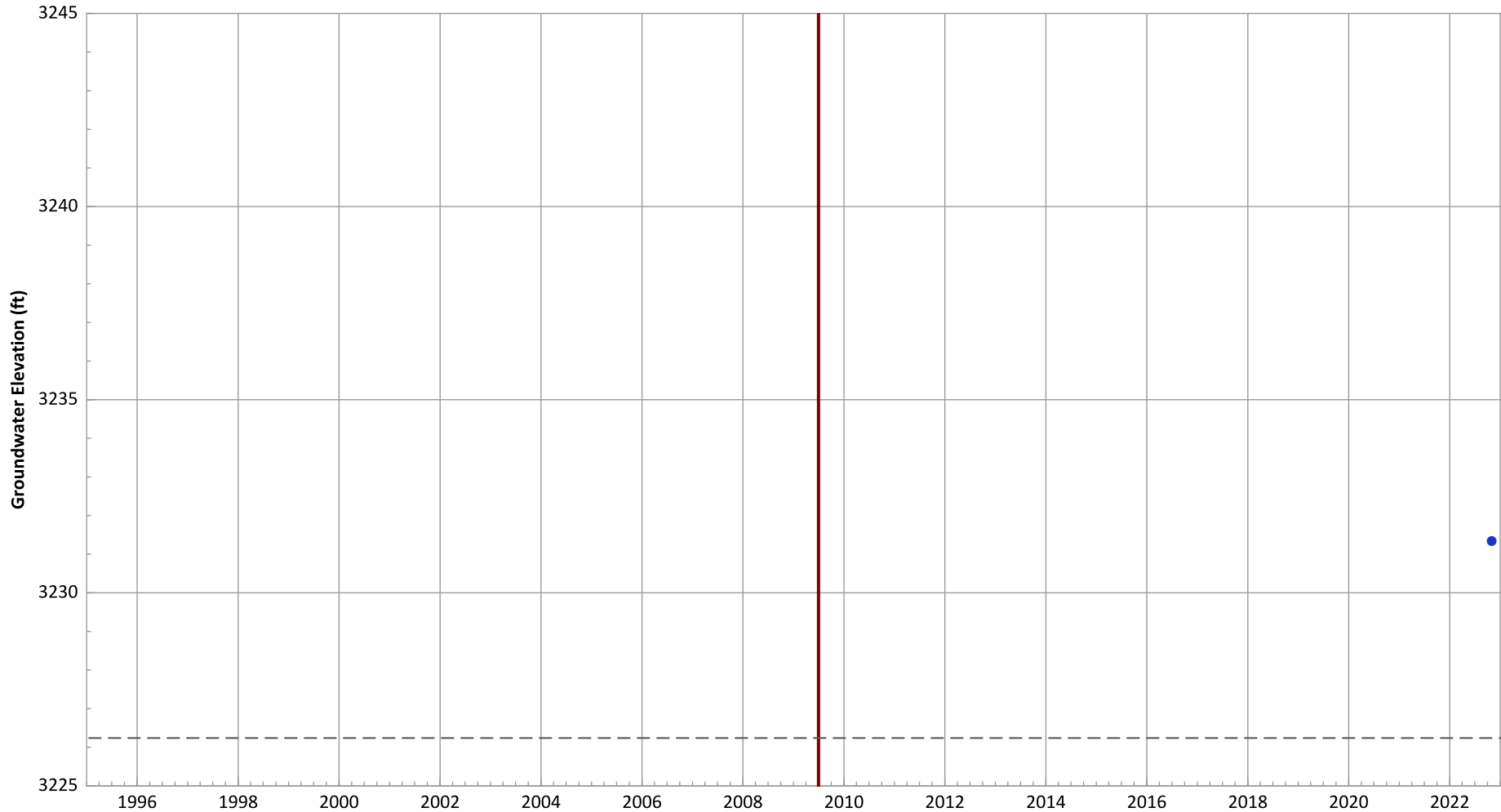
Notes:  
 1. Top of screen elevation is 3230.36 ft msl.  
 2. The bottom of screen elevation is 3225.36 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-ISB440 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:  
 1. Top of screen elevation is 3231.24 ft msl.  
 2. The bottom of screen elevation is 3226.24 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

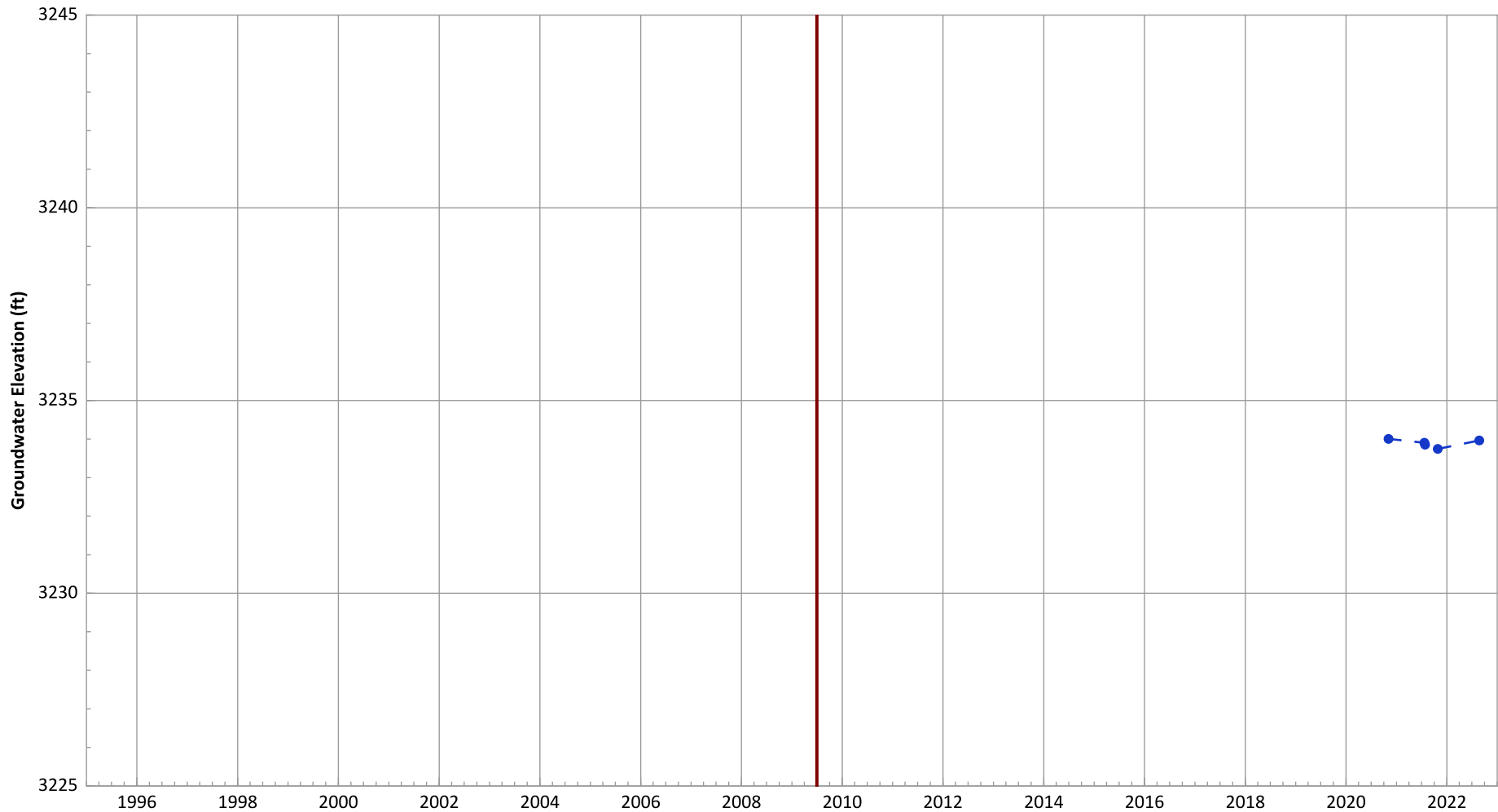
- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-MEW401 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3237.5 ft msl.
  2. The bottom of screen elevation is 3222.5 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

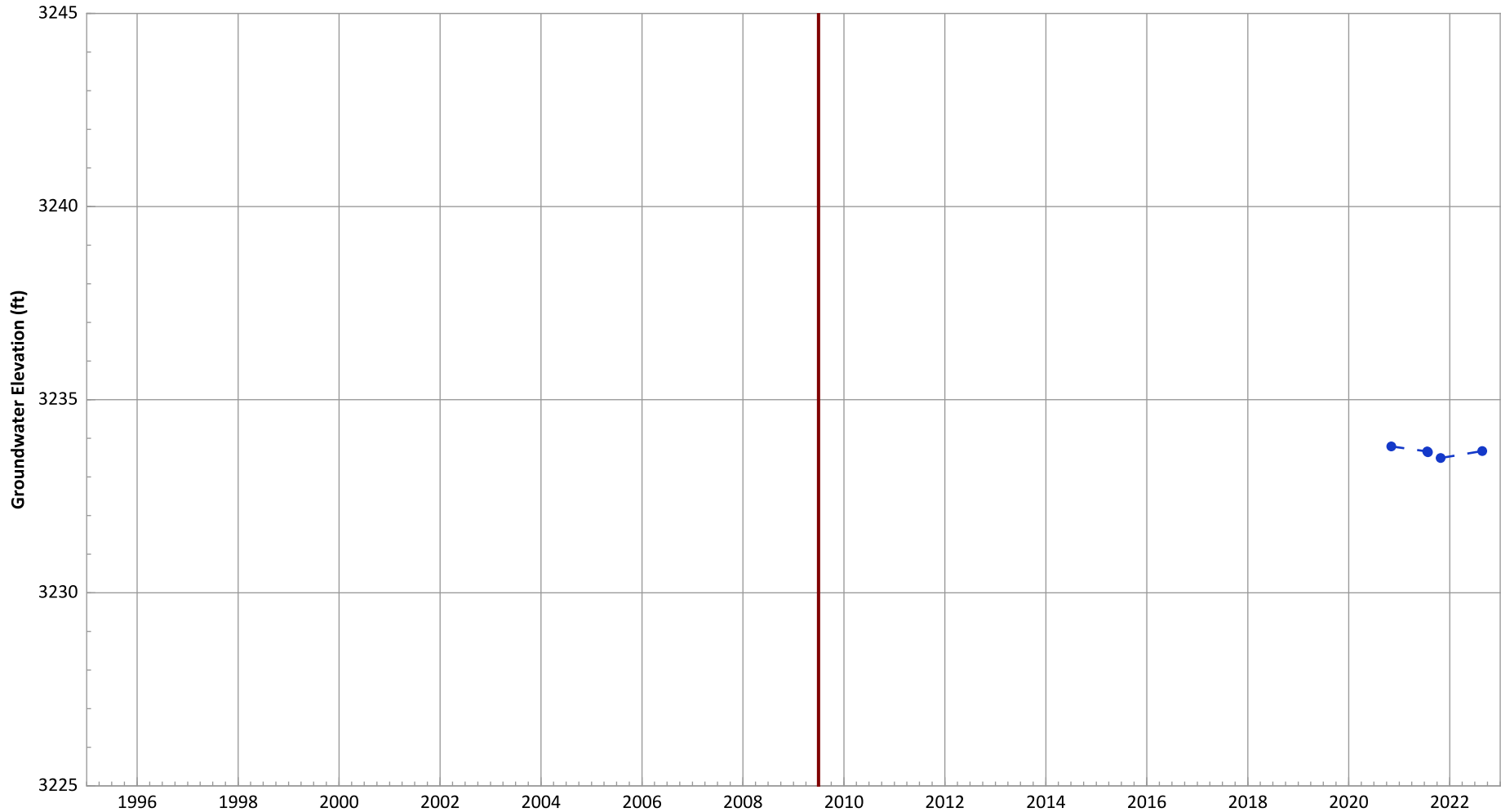
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.24 ft/yr

**PTX06-MEW402 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



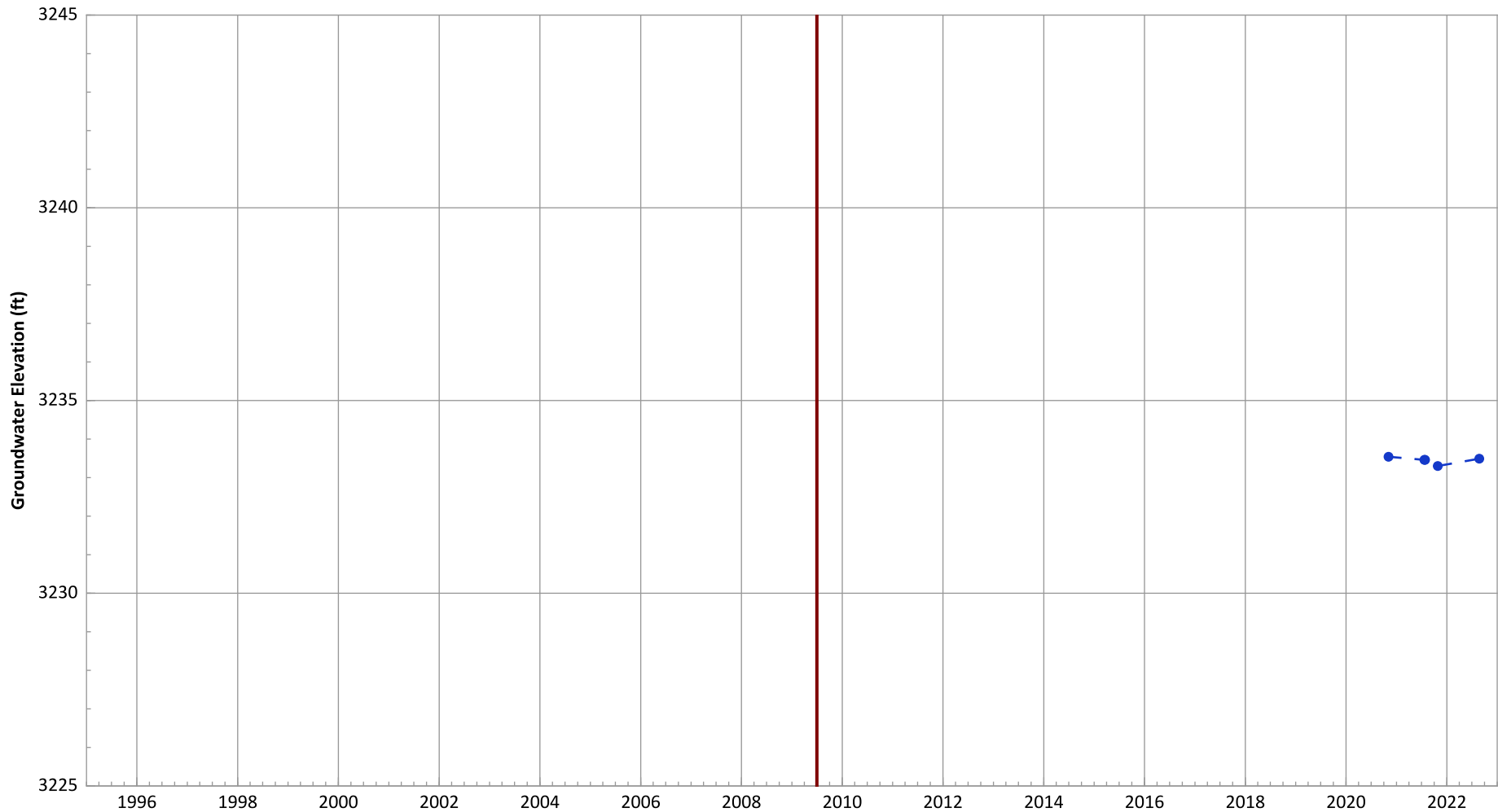
Notes:  
 1. Top of screen elevation is 3238.05 ft msl.  
 2. The bottom of screen elevation is 3223.05 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): Decreasing at 0.27 ft/yr

PTX06-MEW403 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3237.79 ft msl.
  2. The bottom of screen elevation is 3222.79 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- Bottom of Screen Elevation
- Start of Remedial Action

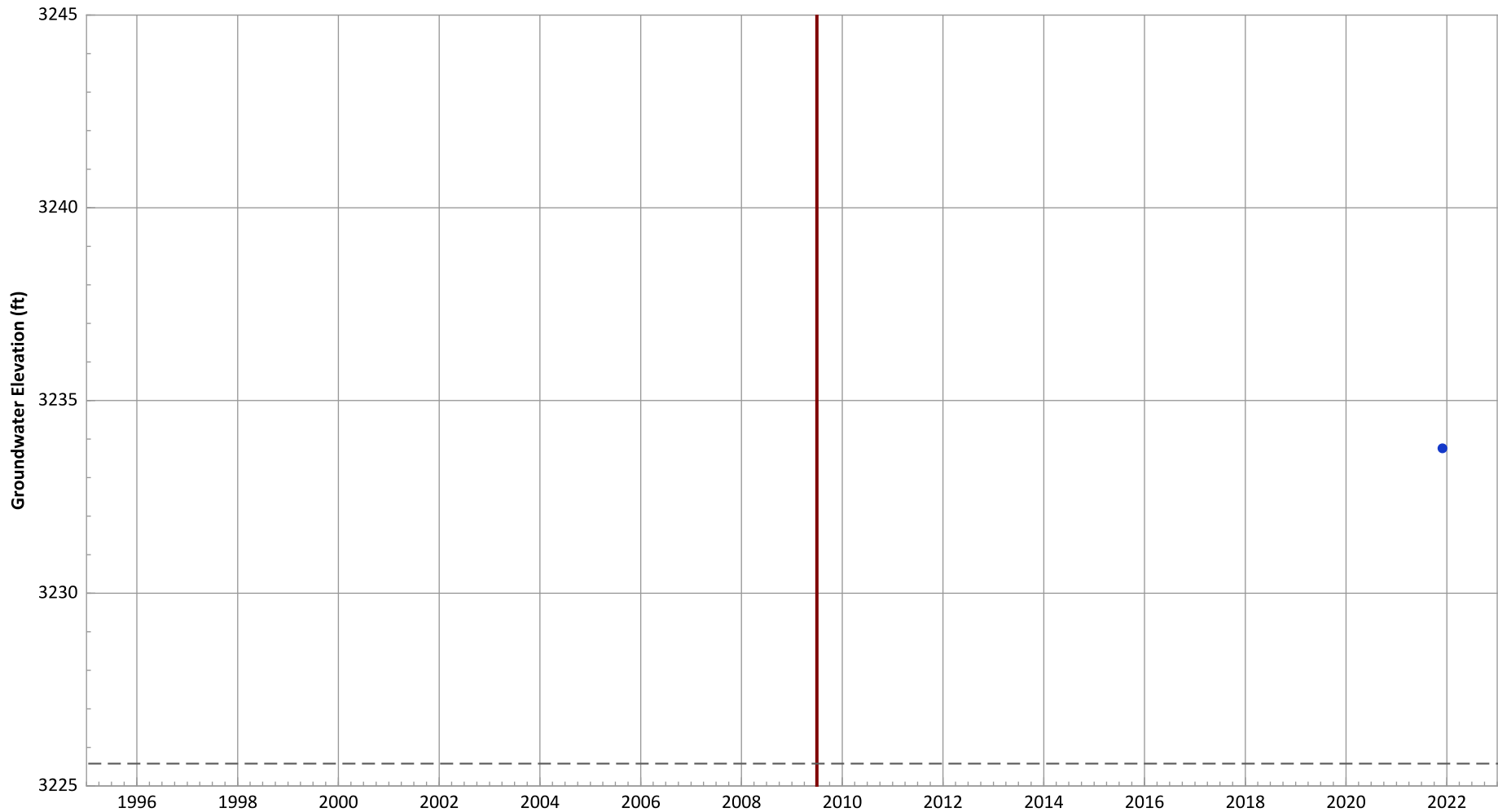
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.2 ft/yr

**PTX06-MEW404 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3240.58 ft msl.
  2. The bottom of screen elevation is 3225.58 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

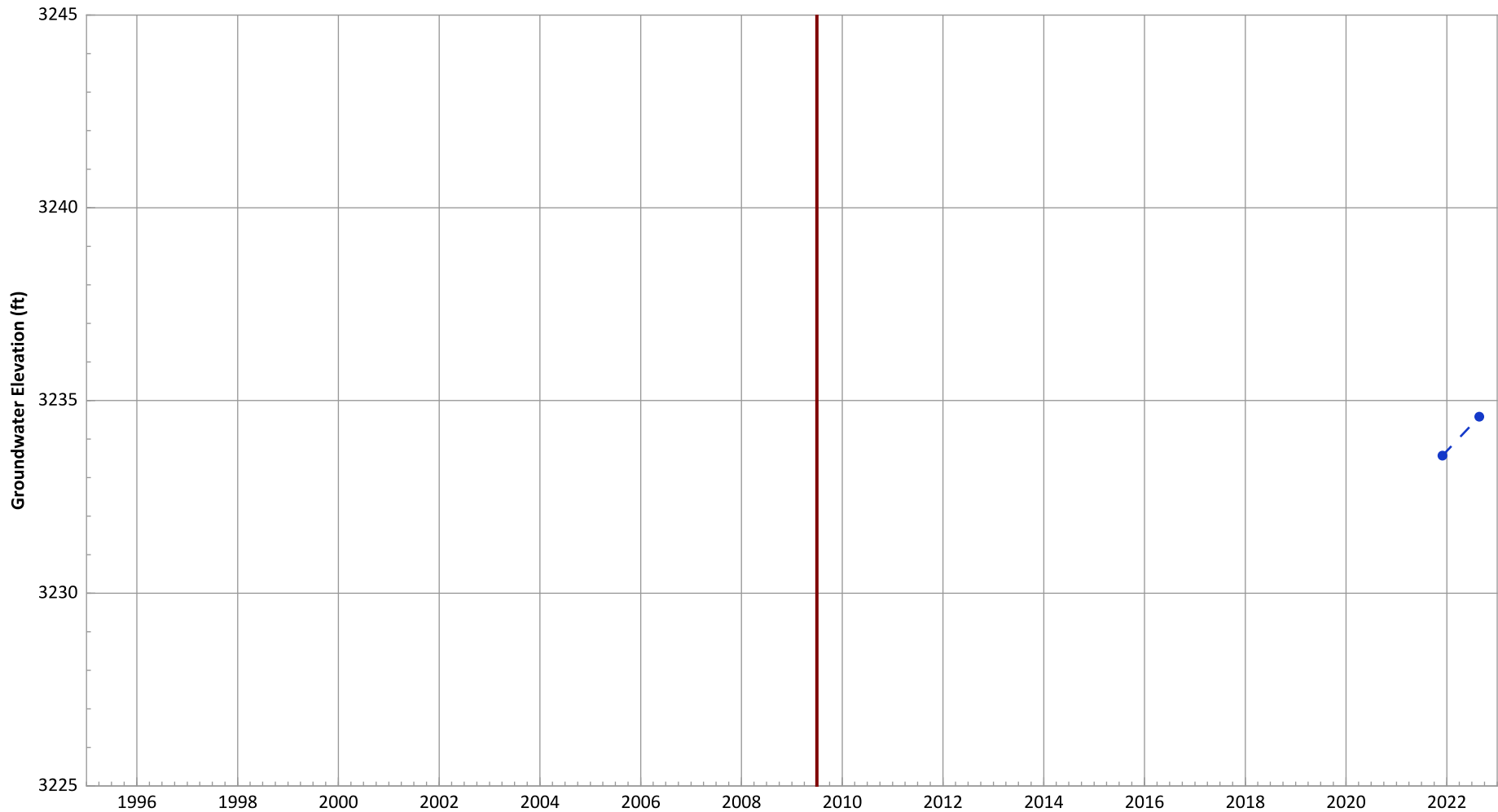
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-MEW405 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3239.37 ft msl.
  2. The bottom of screen elevation is 3224.37 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

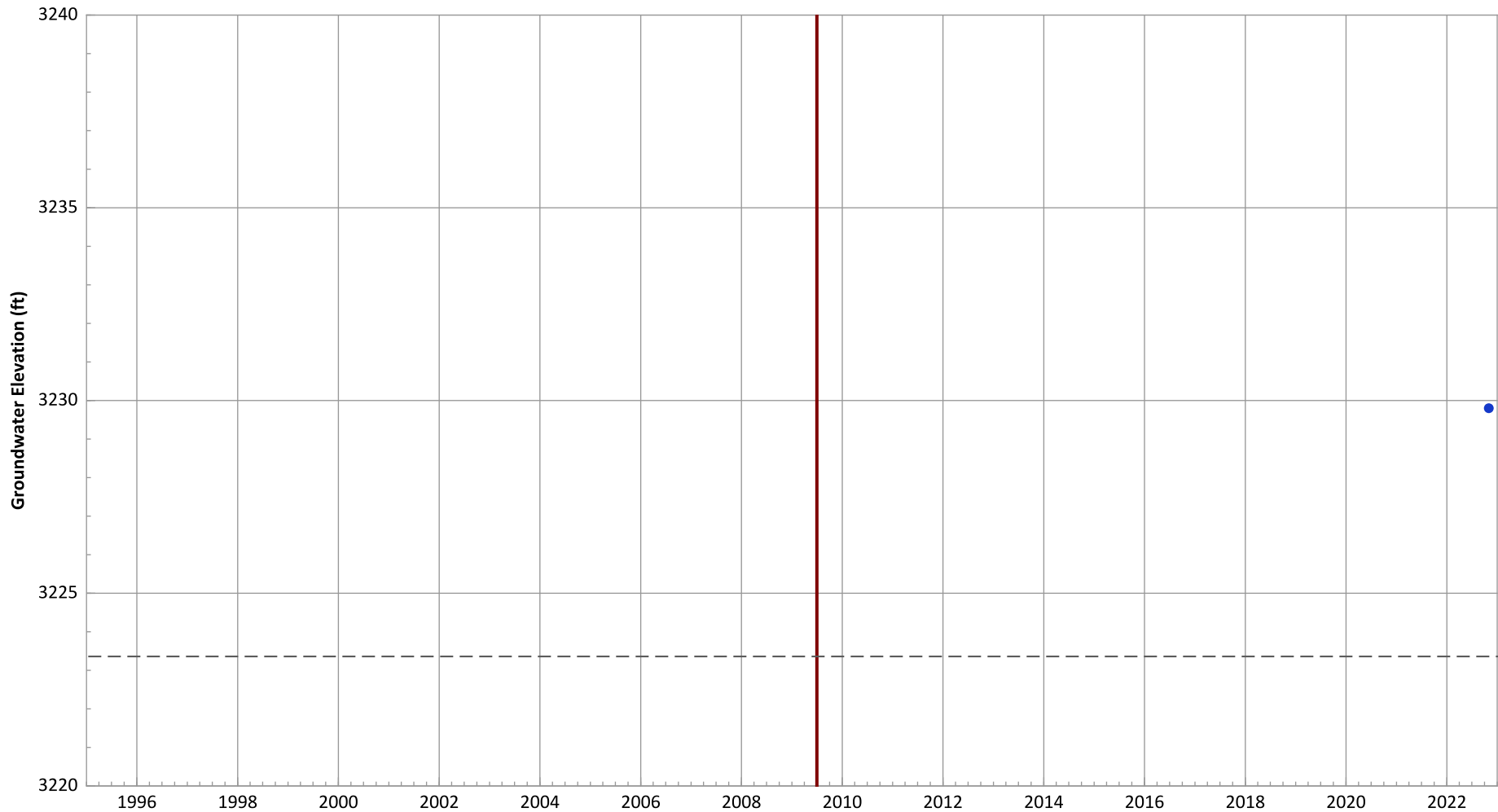
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (<3 Measurements)  
Data (1/2017 - 1/2021): N/A (<3 Measurements)

**PTX06-MINJ401 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3233.36 ft msl.
  2. The bottom of screen elevation is 3223.36 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

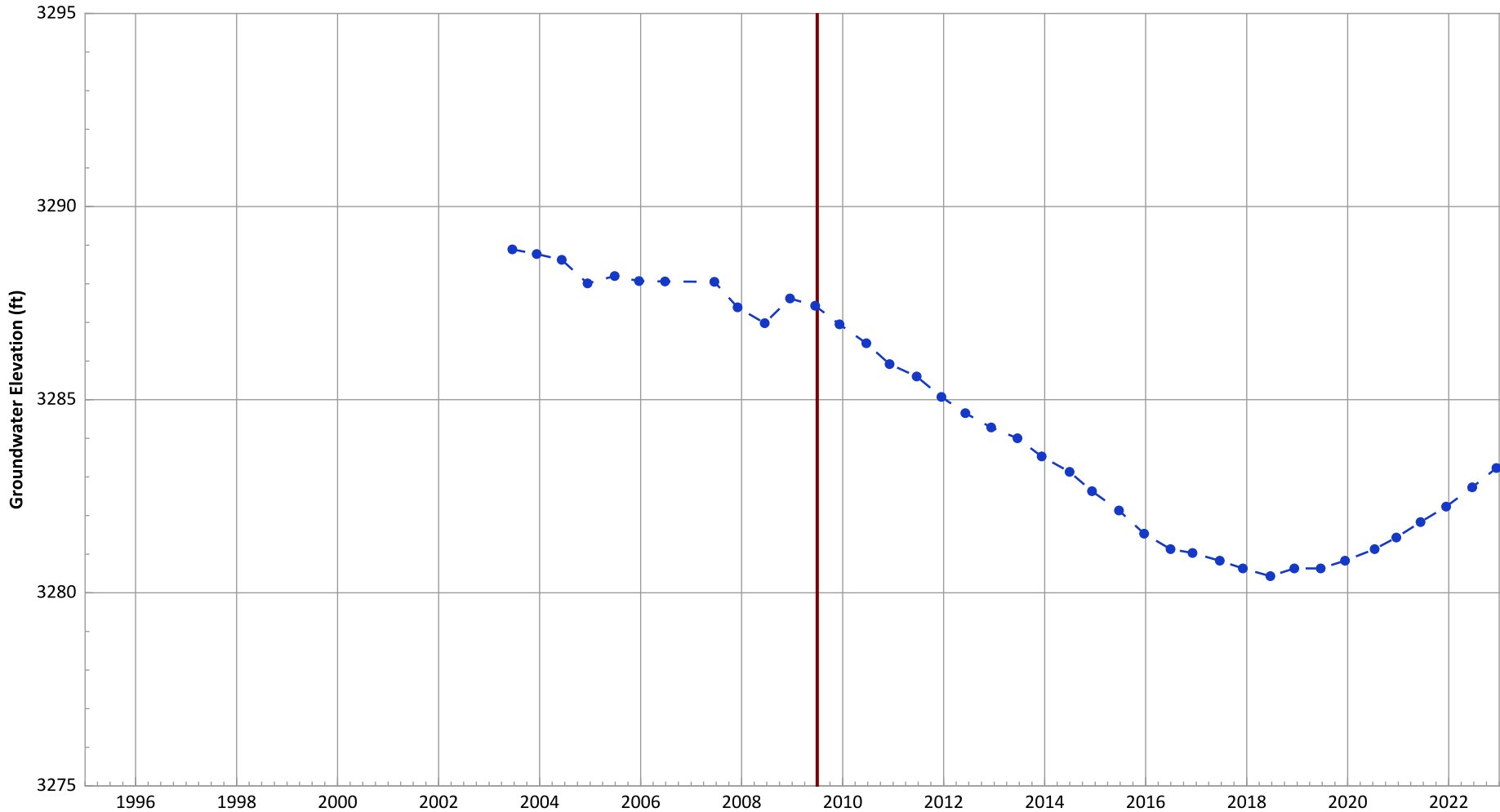
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-PZ01 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



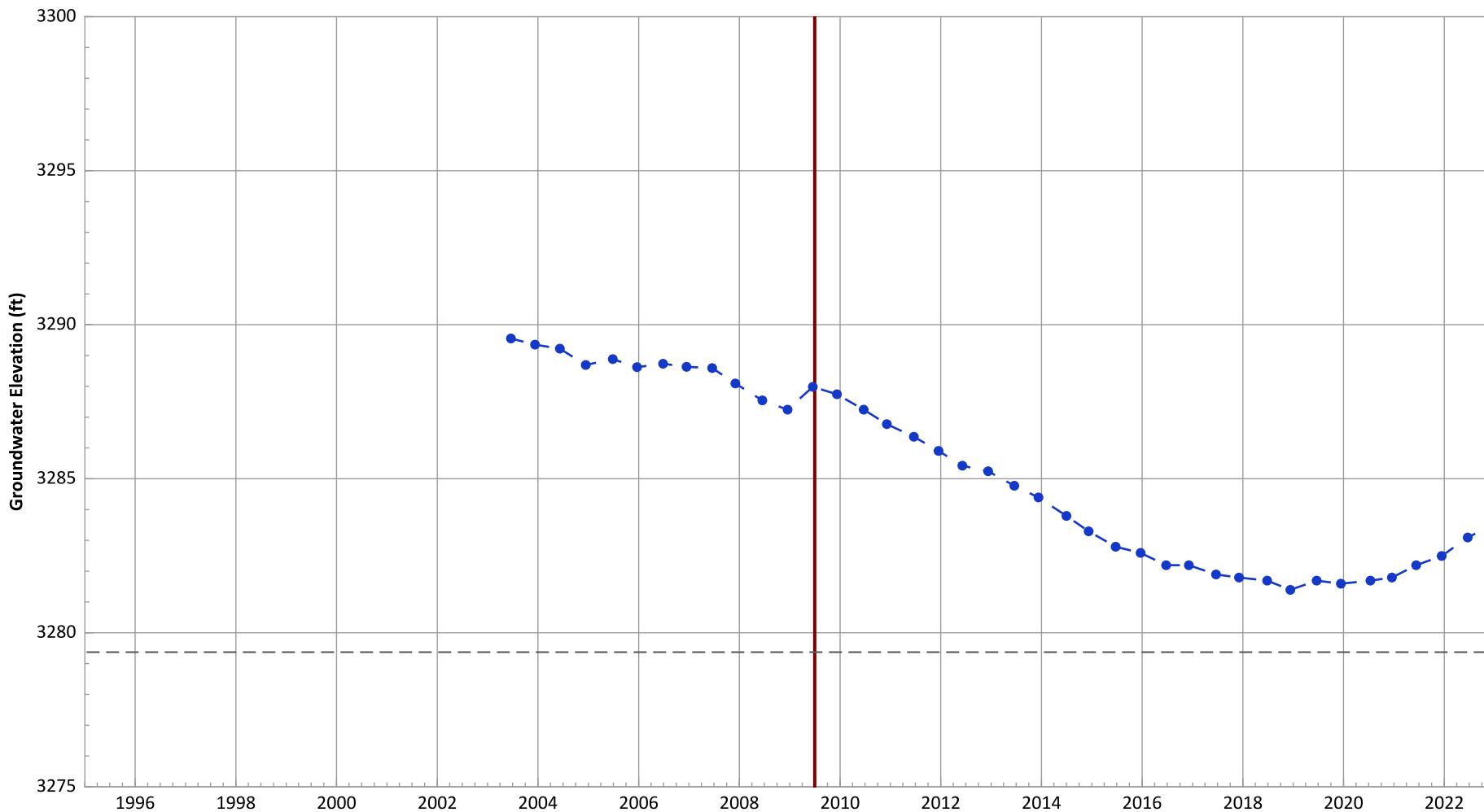
Notes:  
 1. Top of screen elevation is 3288.44 ft msl.  
 2. The bottom of screen elevation is 3269.44 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 - - - Bottom of Screen Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.47 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.33 ft/yr

PTX06-PZ02 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

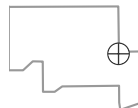


Notes:

1. Top of screen elevation is 3303.87 ft msl.
  2. The bottom of screen elevation is 3279.37 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location

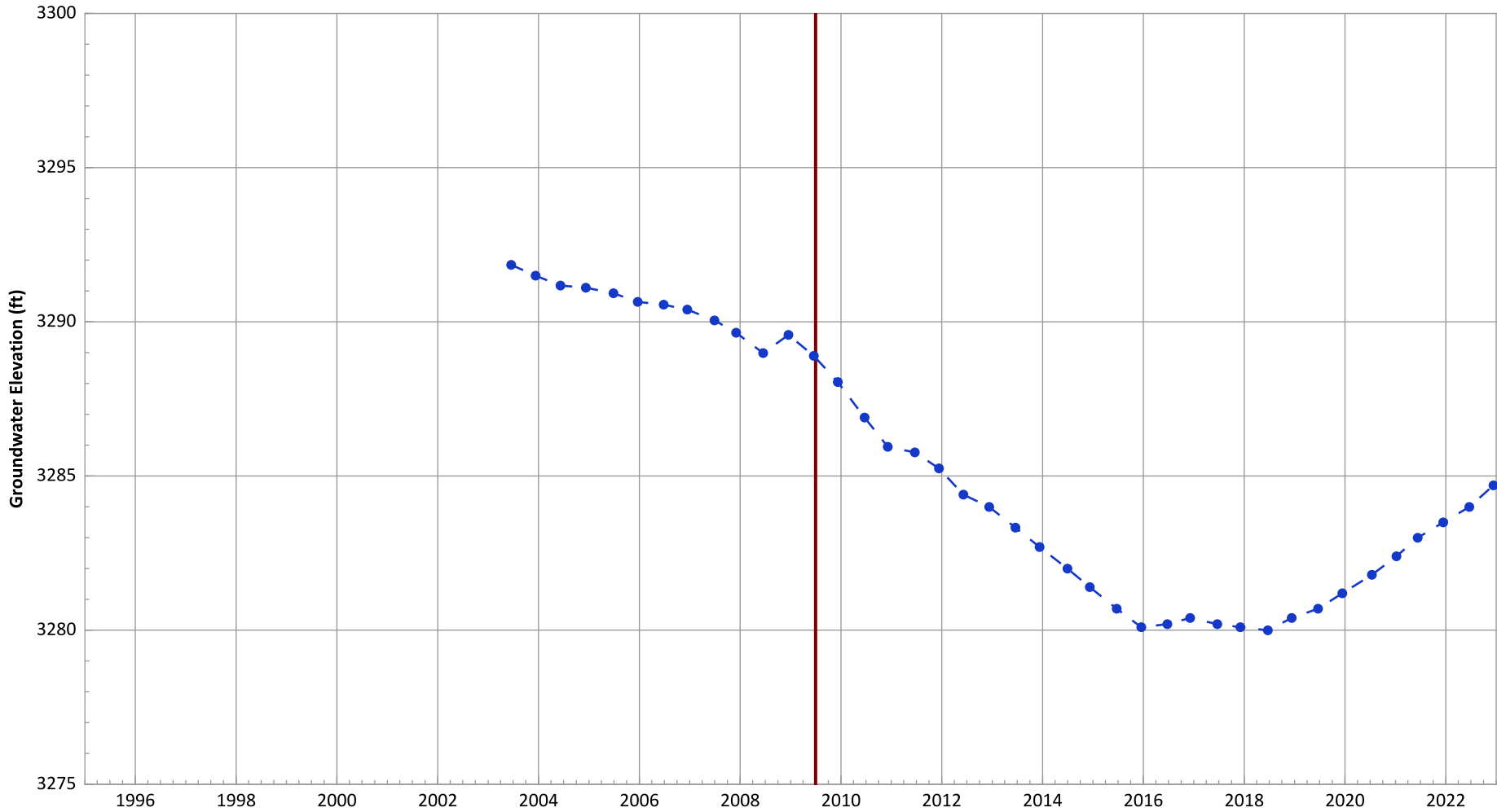


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.47 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.11 ft/yr



PTX06-PZ03 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

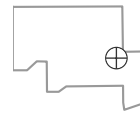


Notes:

1. Top of screen elevation is 3294.14 ft msl.
  2. The bottom of screen elevation is 3265.64 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

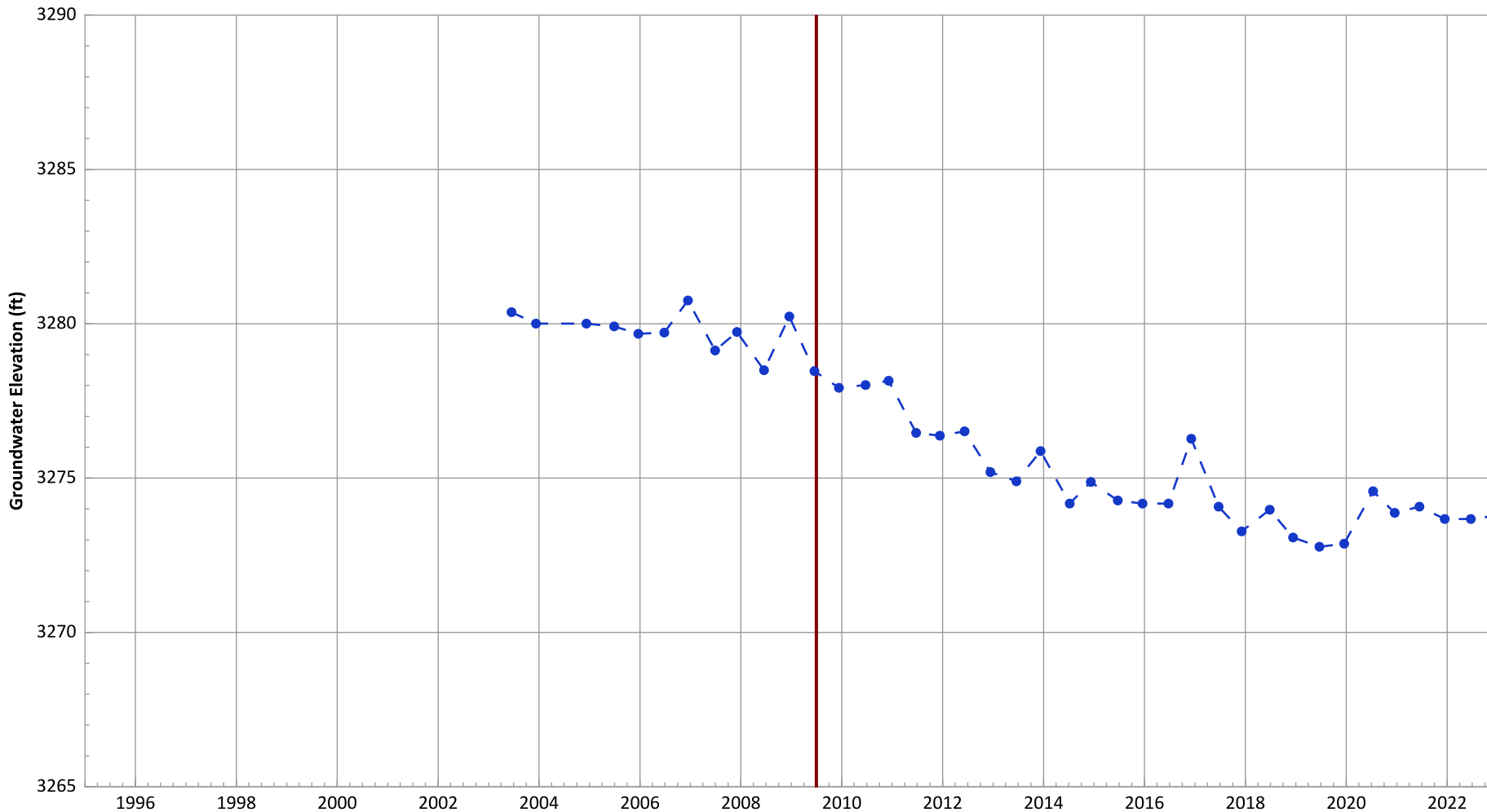
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.61 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.8 ft/yr

**PTX06-PZ05 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

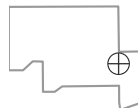


**Notes:**

1. Top of screen elevation is 3299.45 ft msl.
  2. The bottom of screen elevation is 3259.45 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

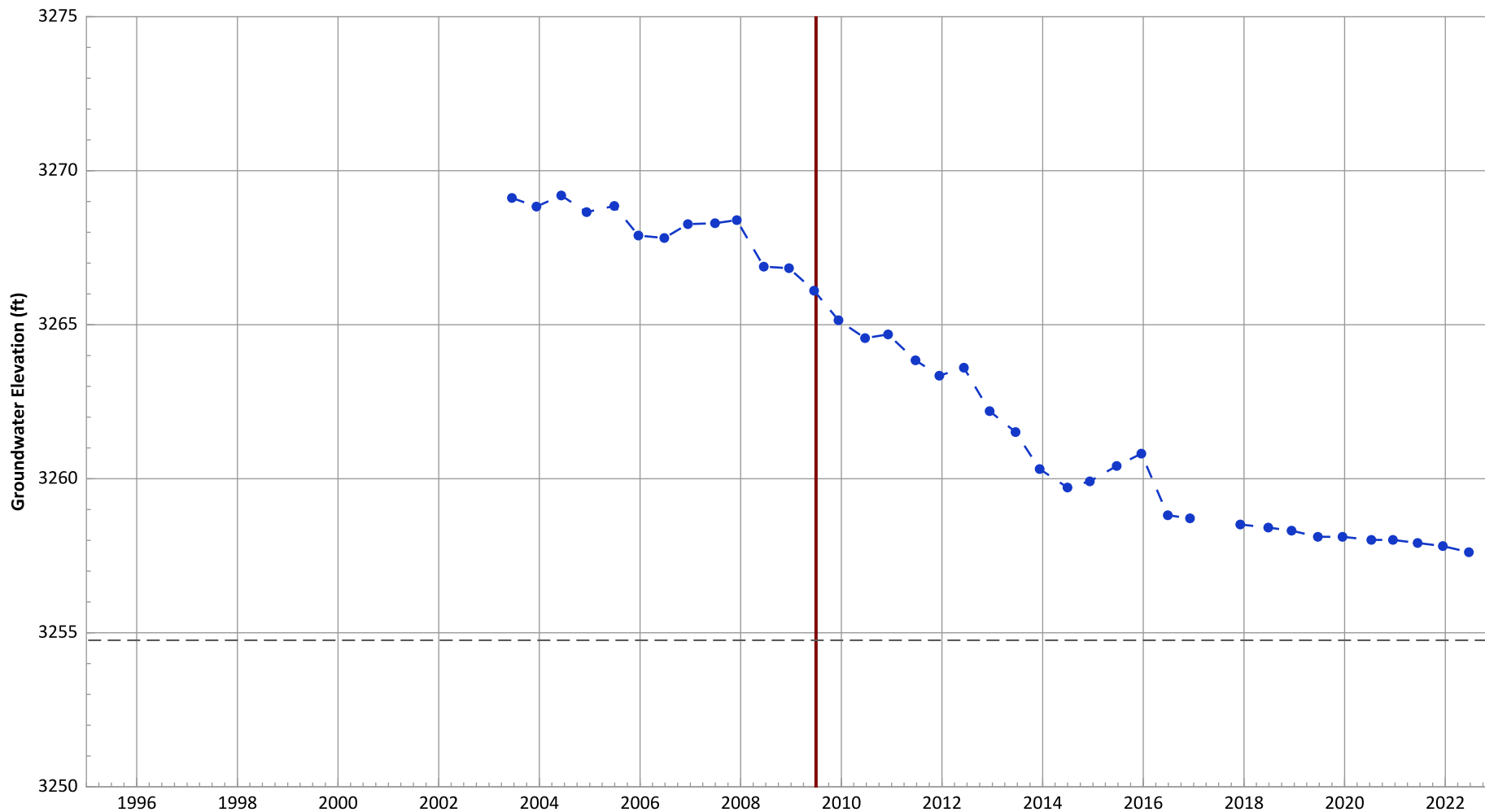
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.43 ft/yr  
 Data (1/2017 - 1/2021): No Trend

**PTX06-PZ06 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

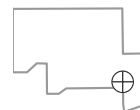


**Notes:**

1. Top of screen elevation is 3294.76 ft msl.
  2. The bottom of screen elevation is 3254.76 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

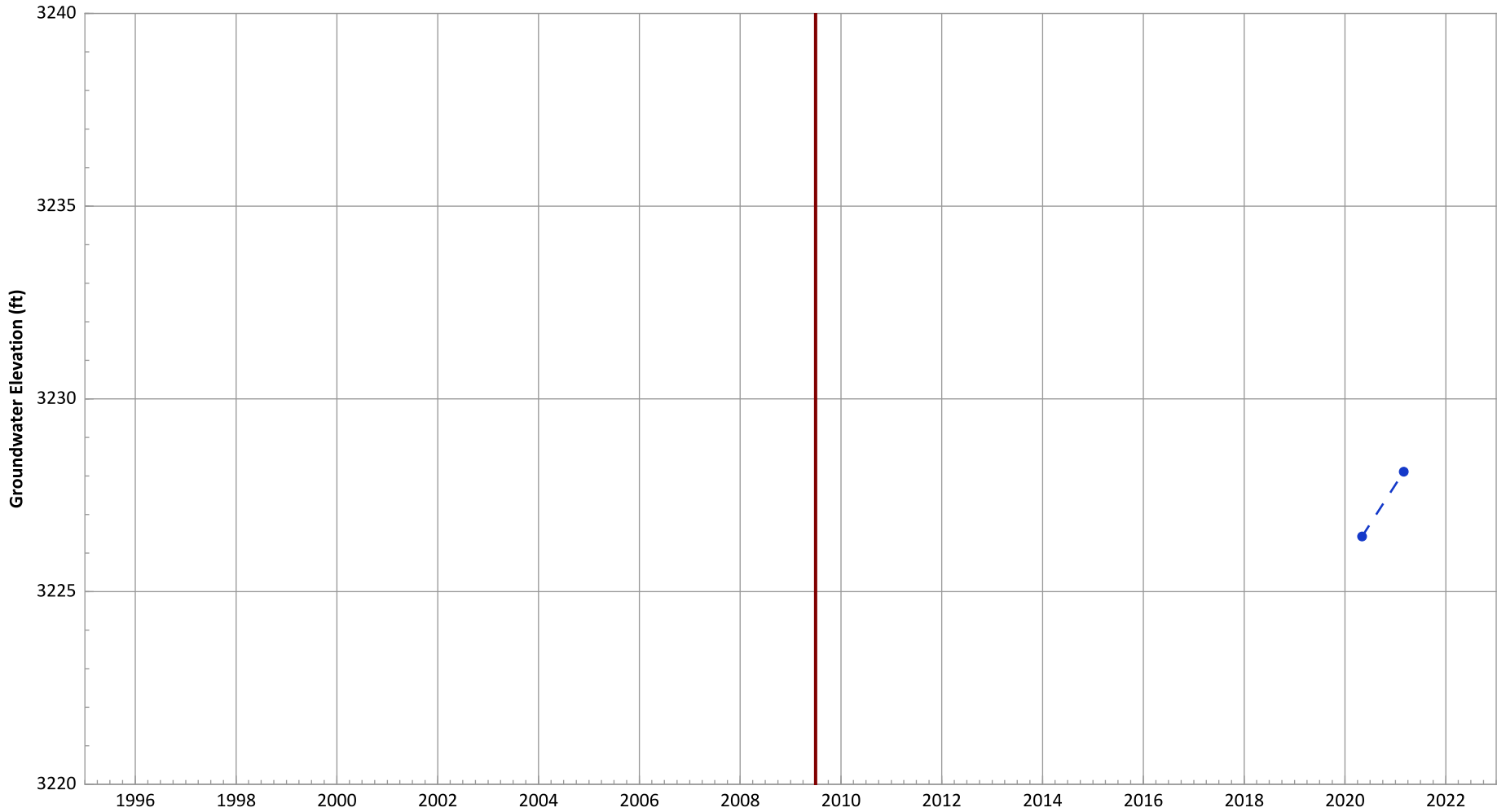
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.73 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.17 ft/yr

**PTX06-REC401A Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

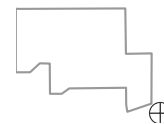


**Notes:**

1. Top of screen elevation is 3231.74 ft msl.
  2. The bottom of screen elevation is 3211.74 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

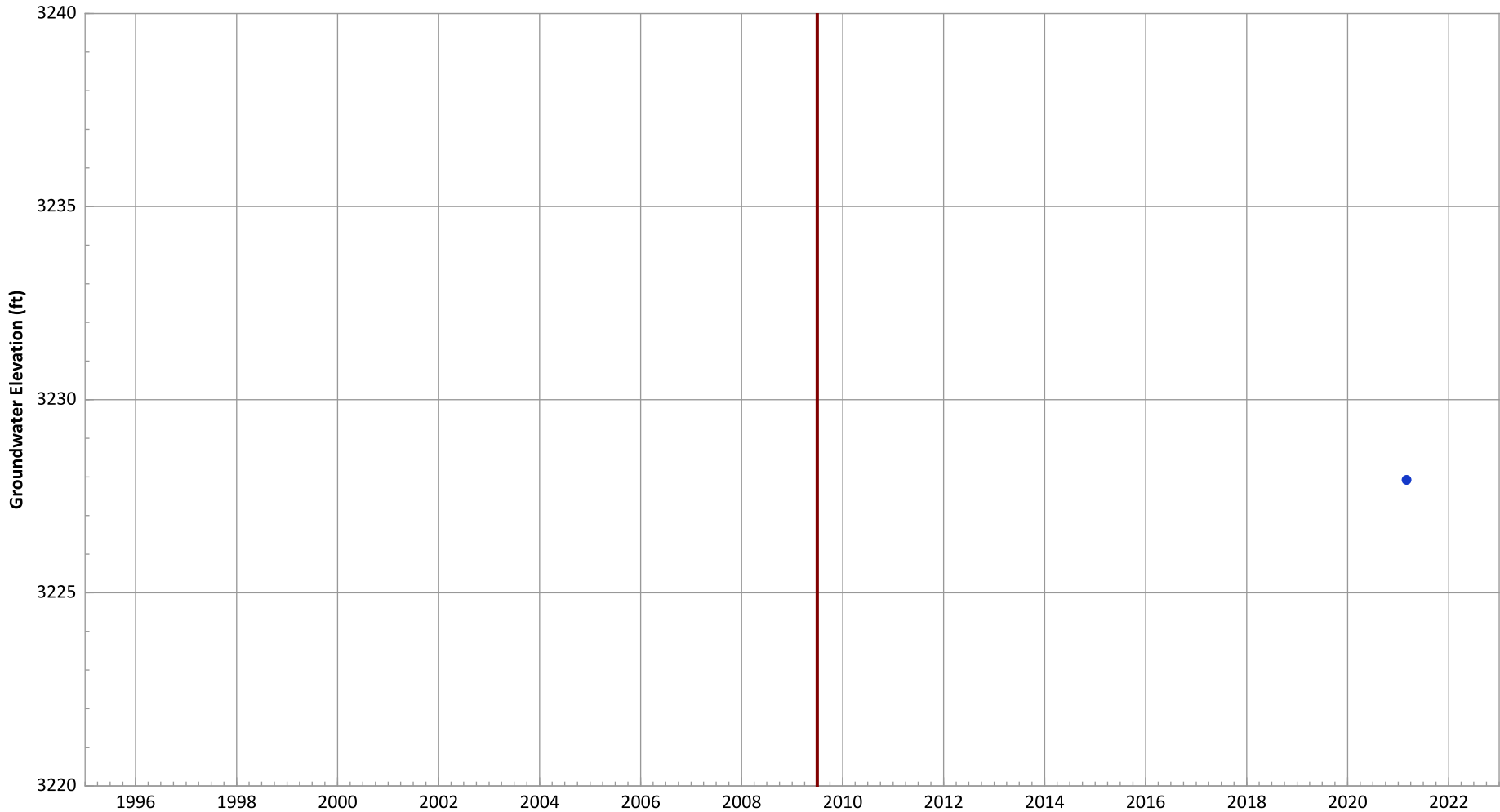
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (<3 Measurements)  
 Data (1/2017 - 1/2021): N/A (<3 Measurements)

**PTX06-REC402 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3225.49 ft msl.
  2. The bottom of screen elevation is 3205.49 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

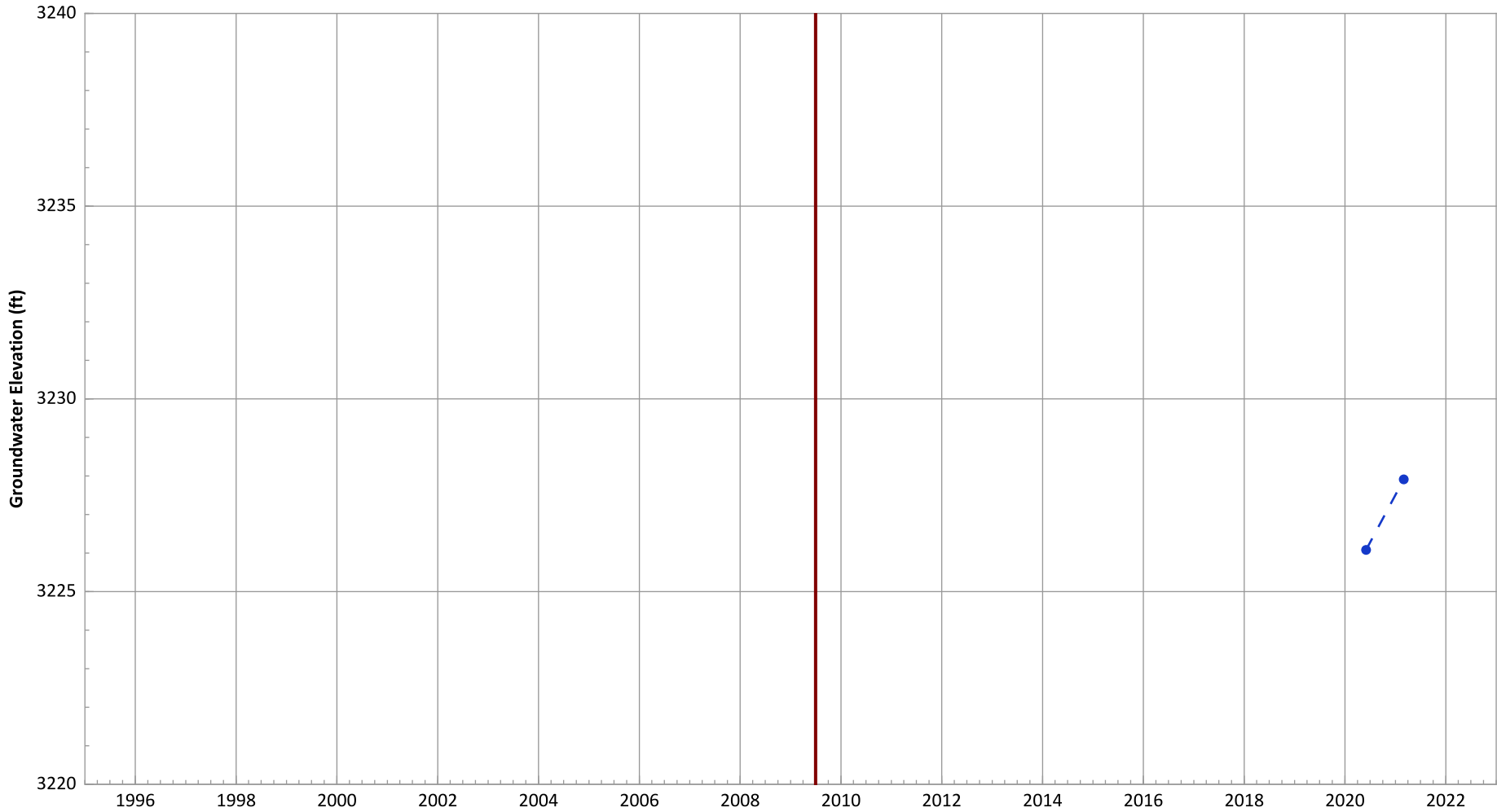
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-REC403 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

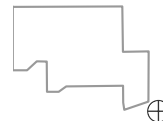


**Notes:**

1. Top of screen elevation is 3231.47 ft msl.
  2. The bottom of screen elevation is 3211.47 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

-●- Groundwater Elevation  
— Start of Remedial Action

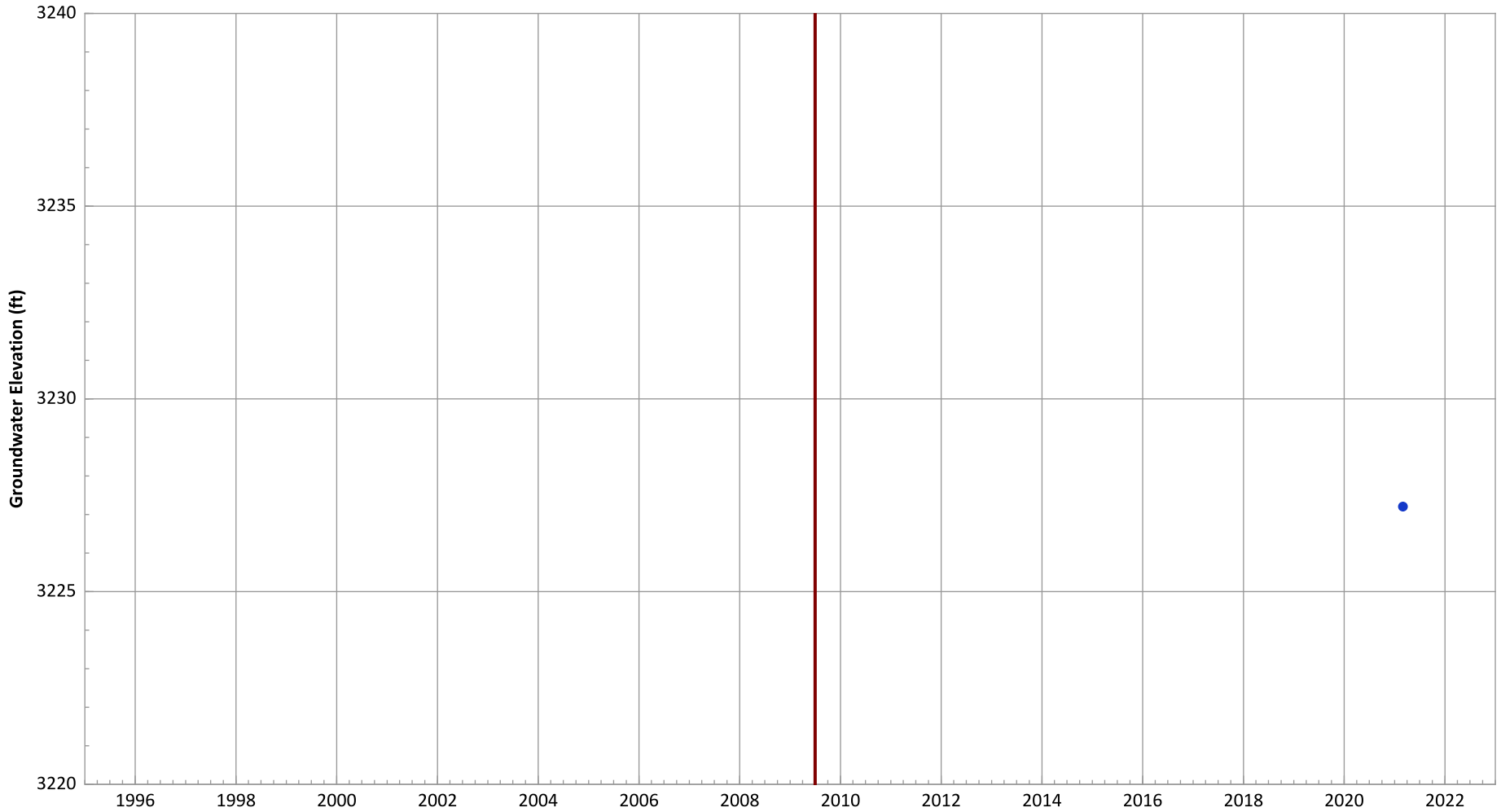
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (<3 Measurements)  
 Data (1/2017 - 1/2021): N/A (<3 Measurements)

PTX06-REC404 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3233.68 ft msl.
2. The bottom of screen elevation is 3213.68 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



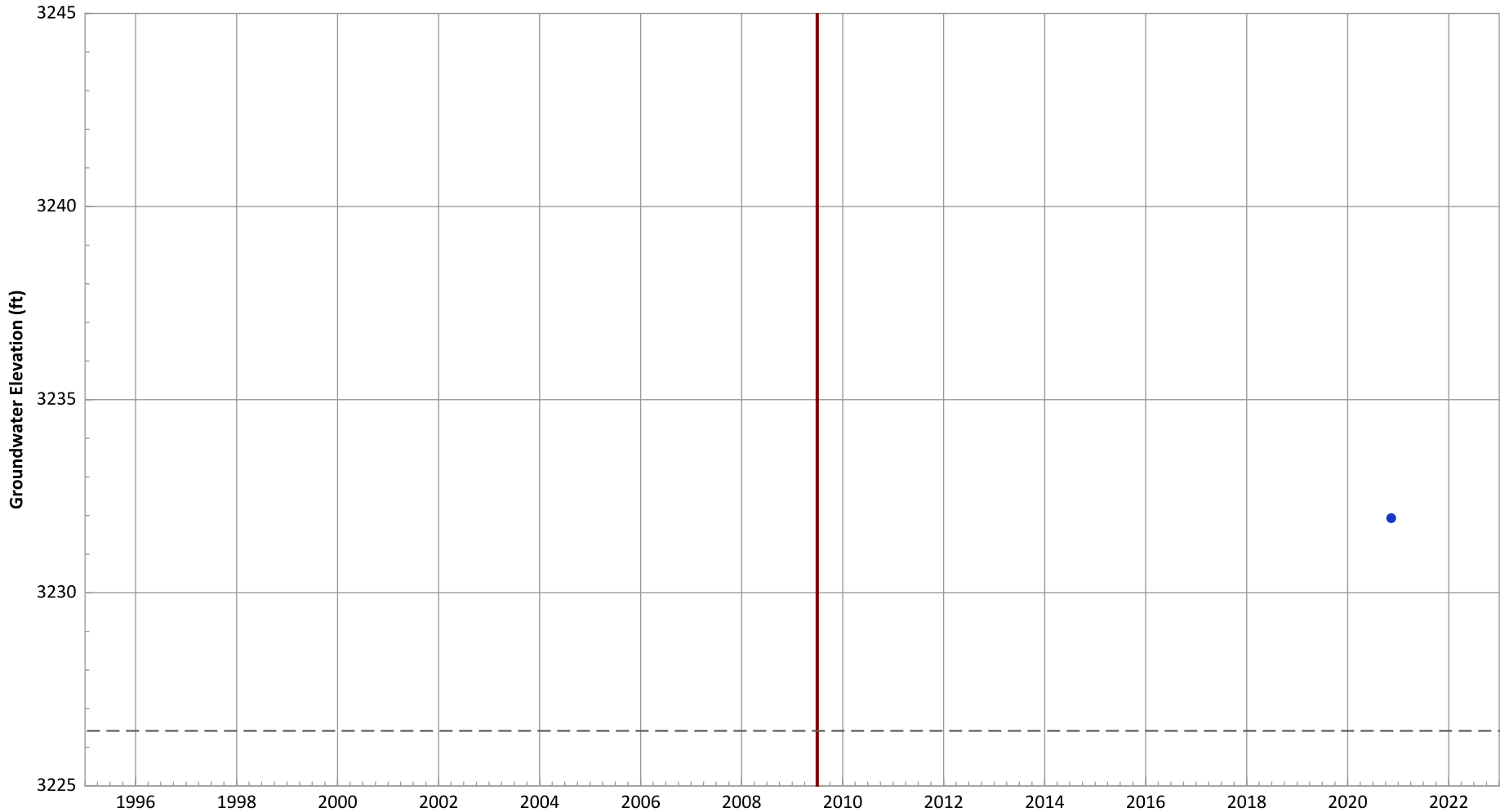
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-REC405 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3237.42 ft msl.
  2. The bottom of screen elevation is 3226.42 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location

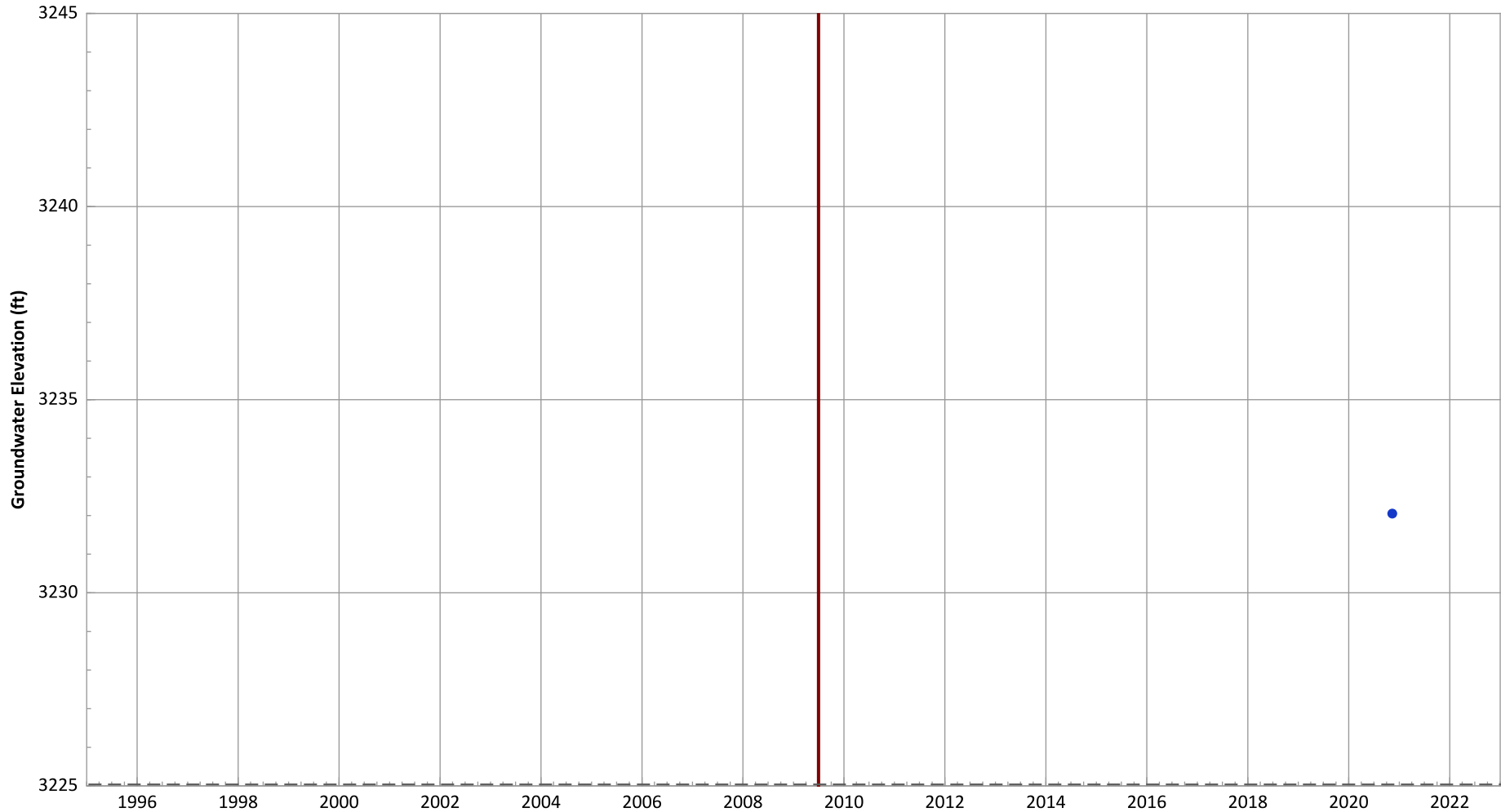


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)



PTX06-REC407 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



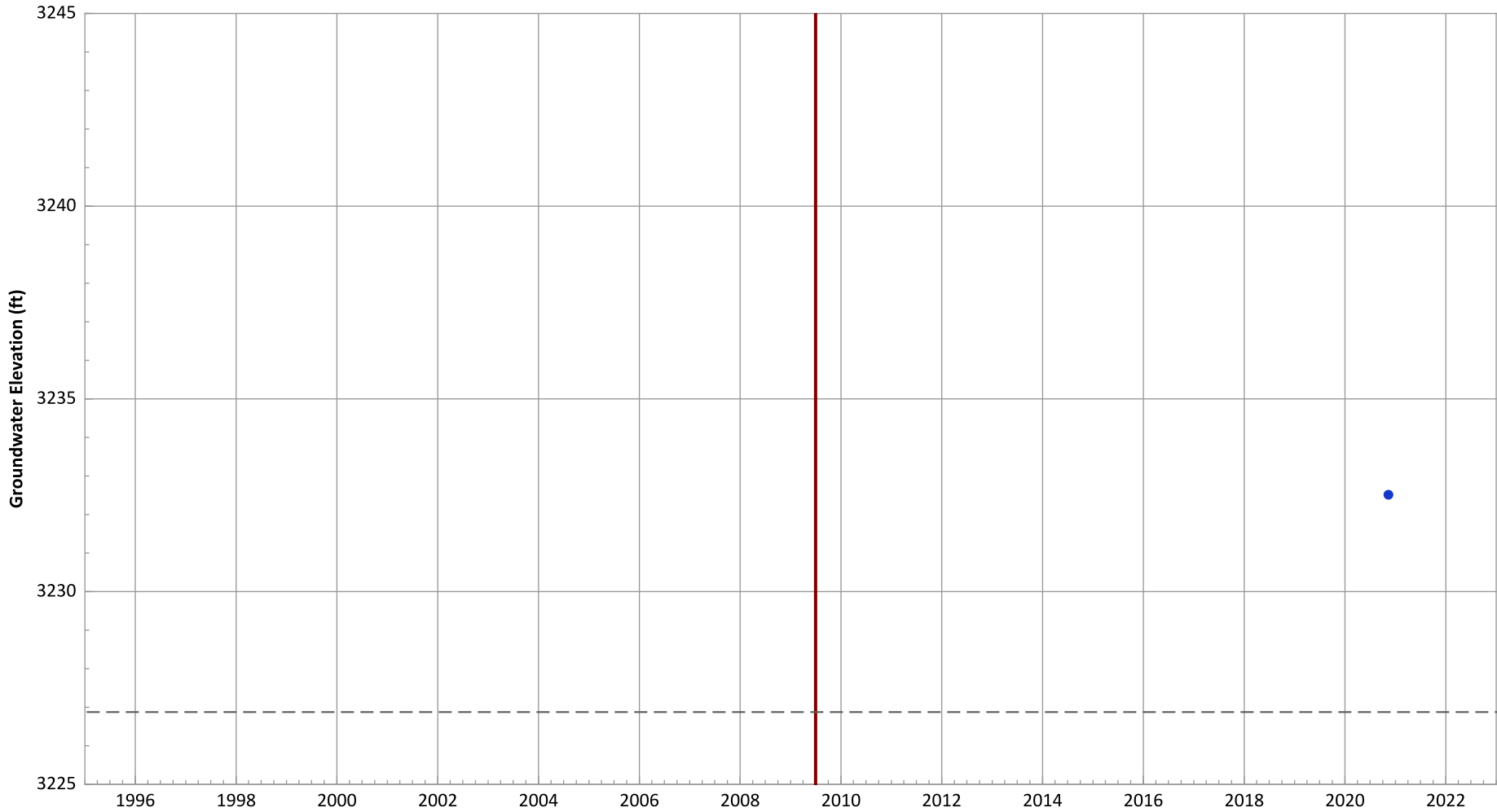
Notes:  
1. Top of screen elevation is 3235.04 ft msl.  
2. The bottom of screen elevation is 3225.04 ft msl.  
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.  
Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-REC409 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3236.88 ft msl.
2. The bottom of screen elevation is 3226.88 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

Well Location



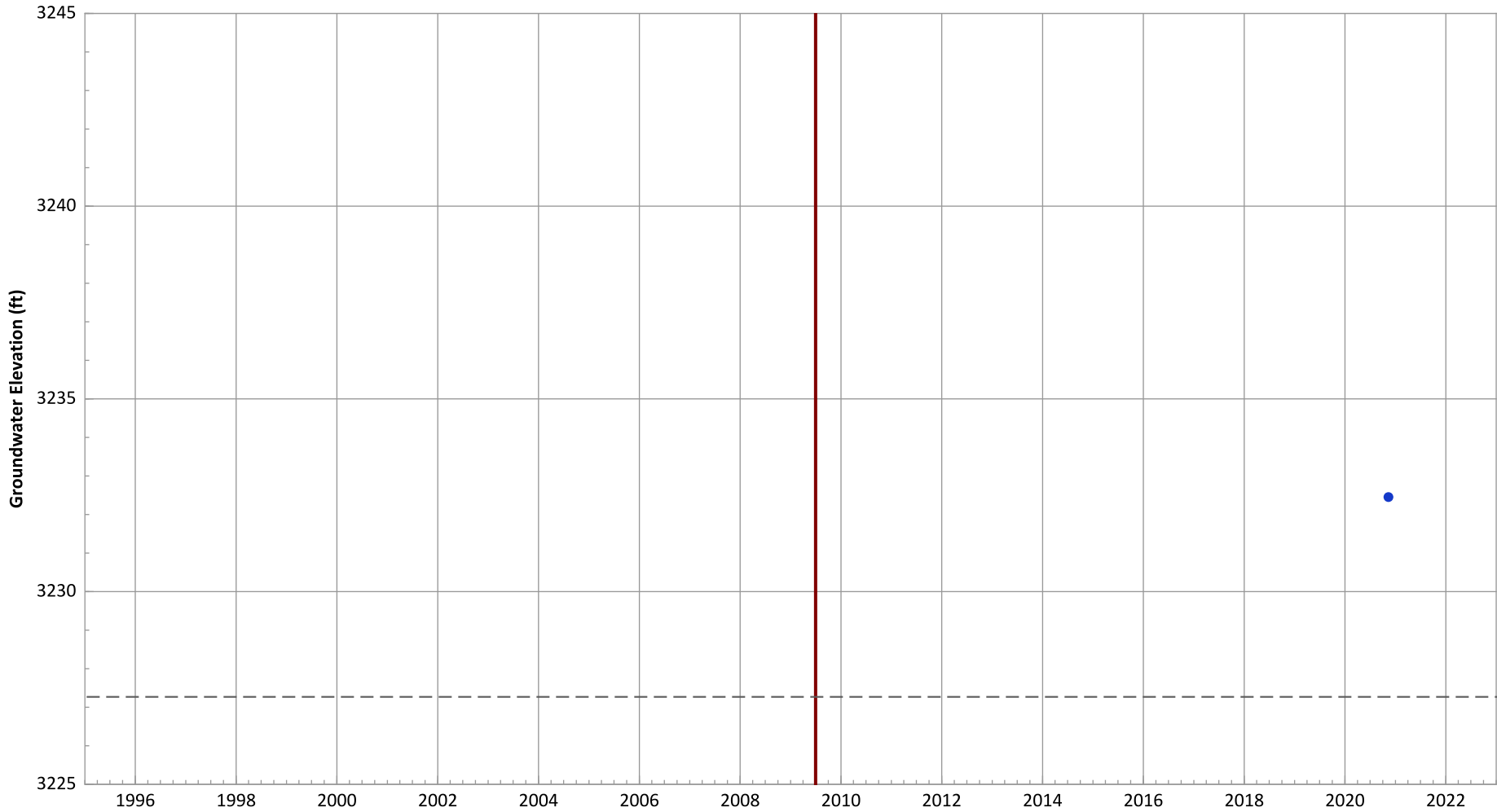
Hydrograph Trend

(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-REC411 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3237.27 ft msl.
  2. The bottom of screen elevation is 3227.27 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

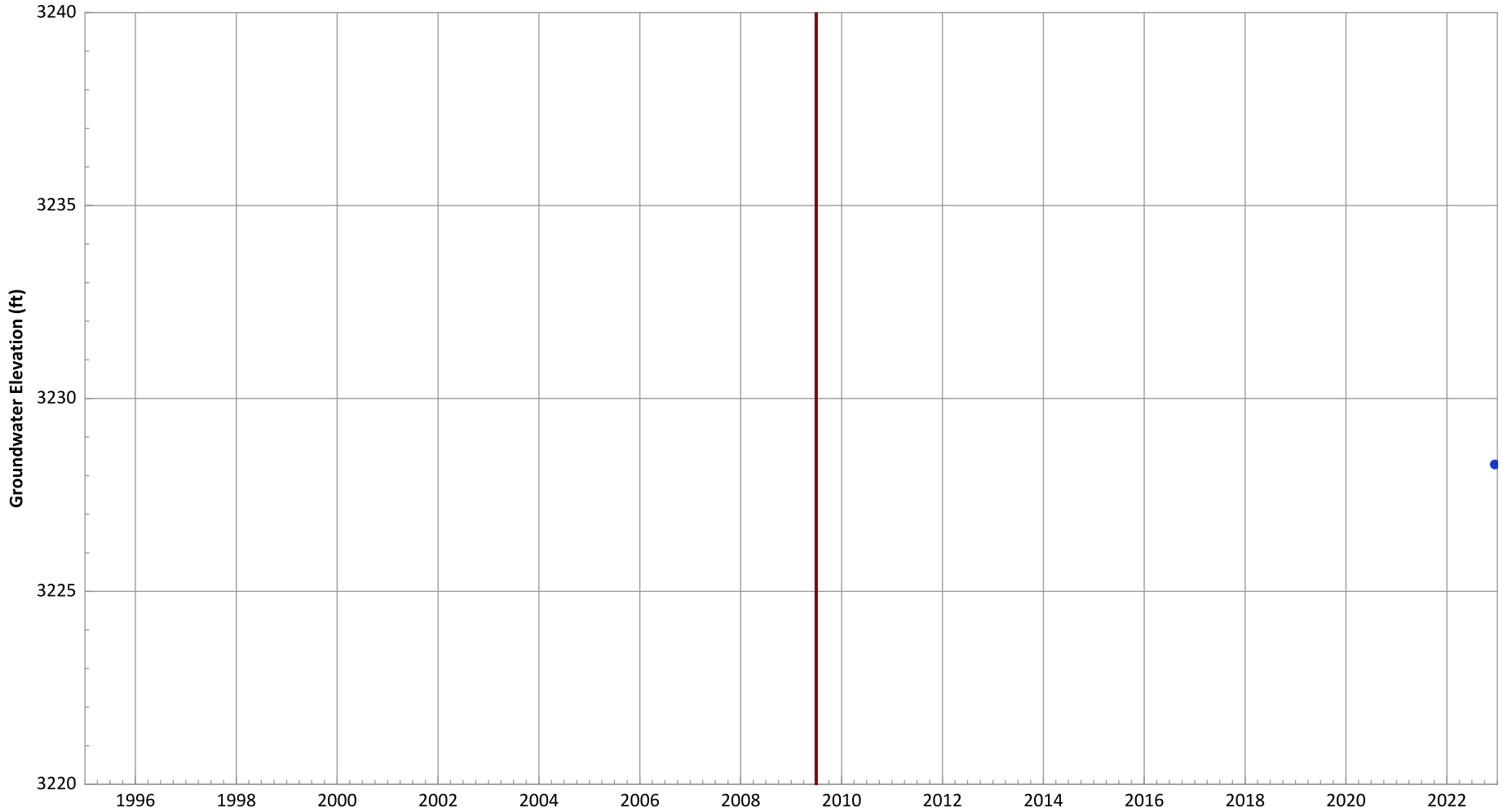
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-REC416 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

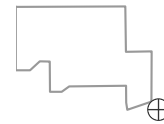


**Notes:**

1. Top of screen elevation is 3229.63 ft msl.
  2. The bottom of screen elevation is 3219.63 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

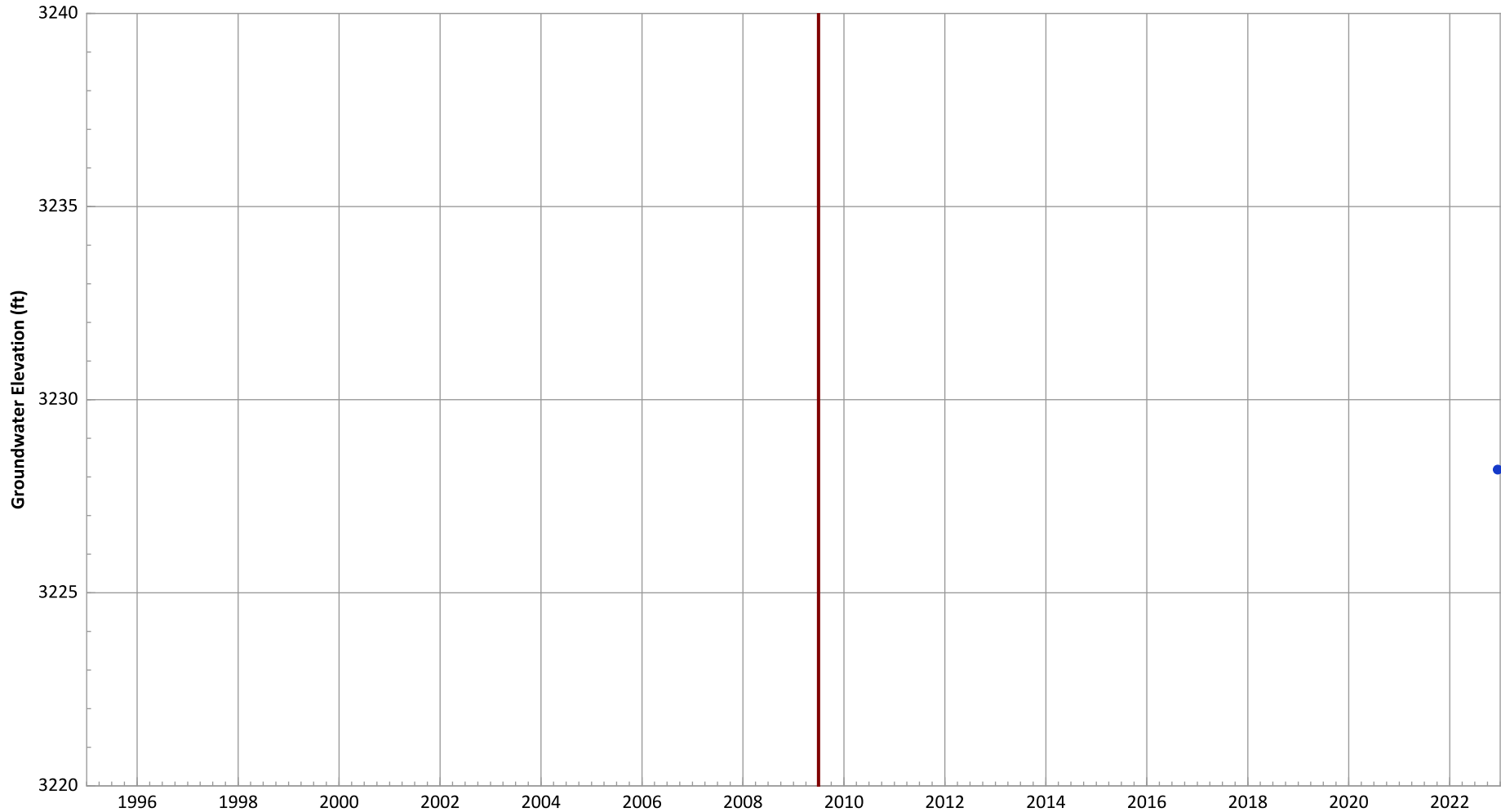
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-REC422 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



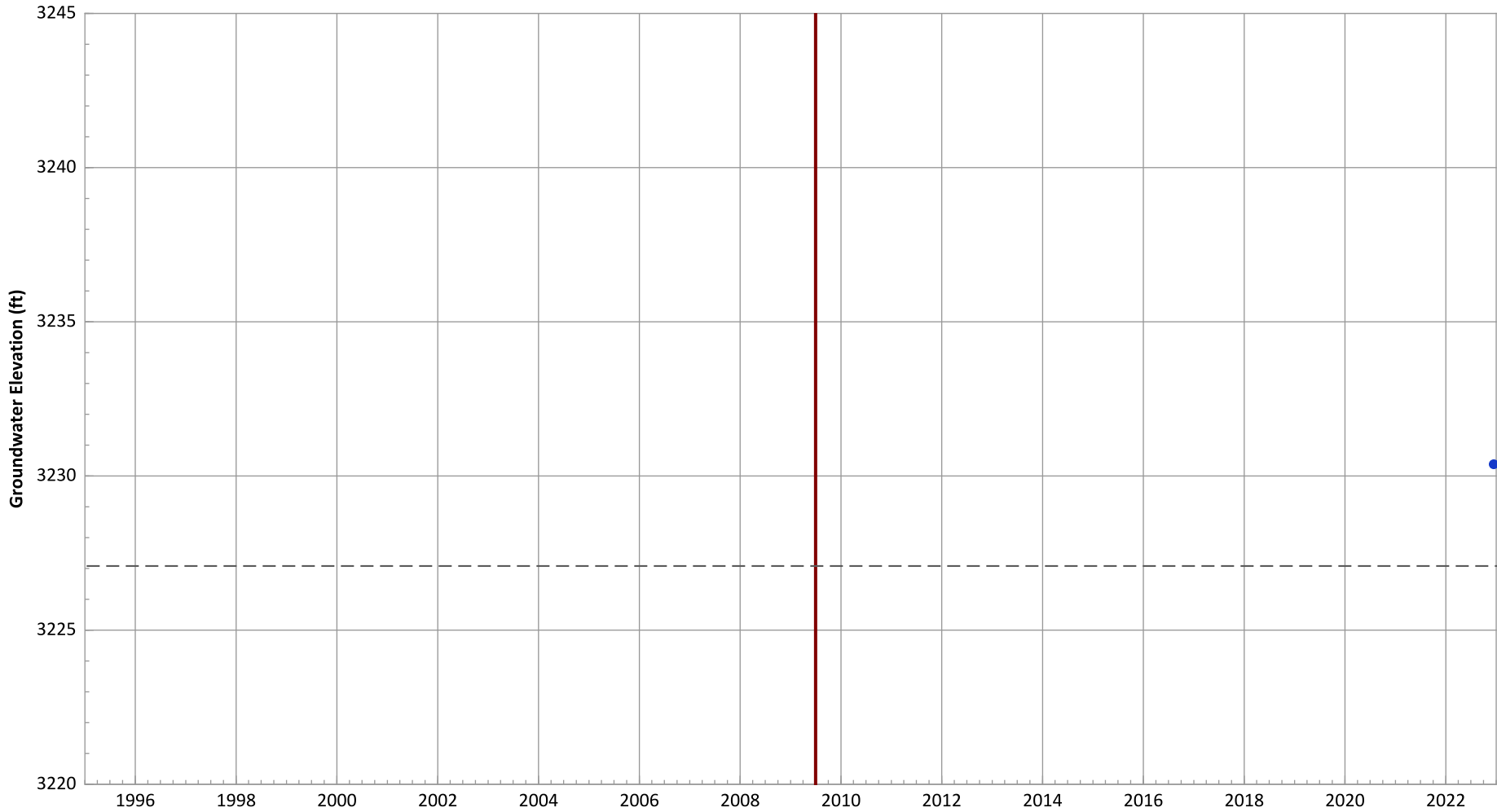
Notes:  
 1. Top of screen elevation is 3224.66 ft msl.  
 2. The bottom of screen elevation is 3214.66 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-REC433 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3237.08 ft msl.
  2. The bottom of screen elevation is 3227.08 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

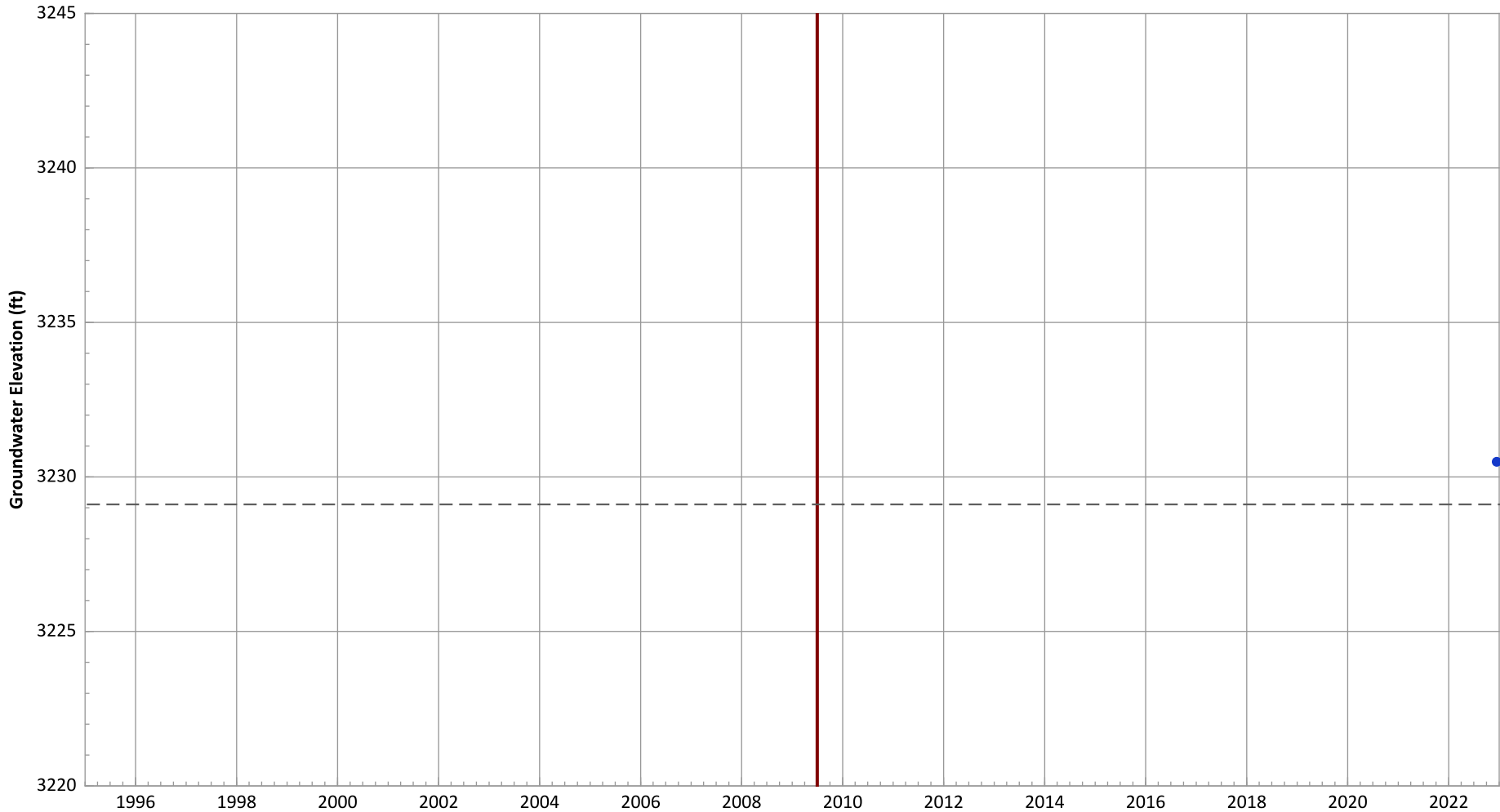
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX06-REC436 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



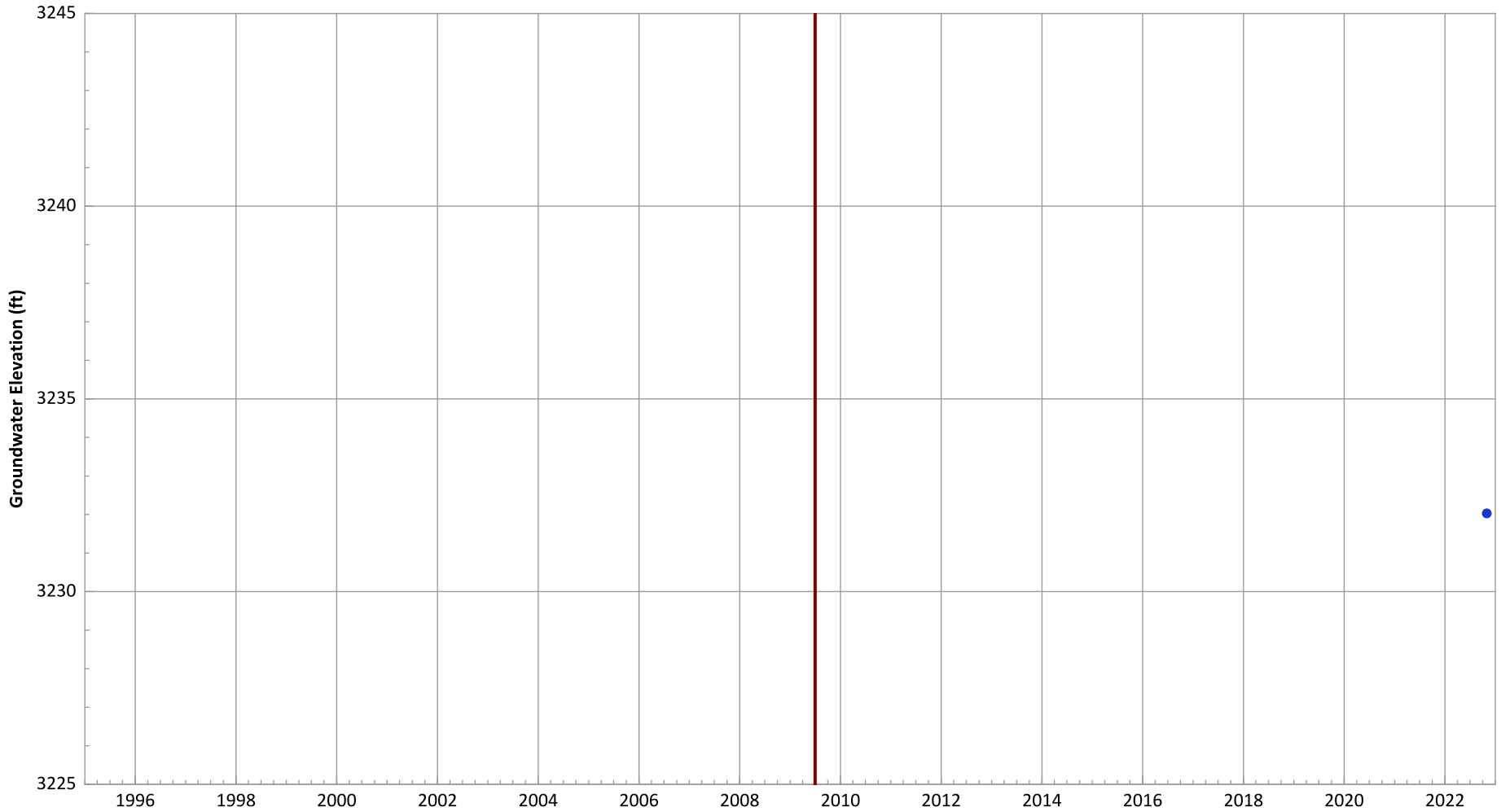
Notes:  
 1. Top of screen elevation is 3239.11 ft msl.  
 2. The bottom of screen elevation is 3229.11 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
 Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: N/A (No Measurements)  
 Data (1/2017 - 1/2021): N/A (No Measurements)

PTX06-REC443 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant



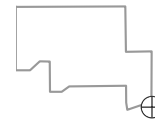
Notes:

1. Top of screen elevation is 3228.72 ft msl.
2. The bottom of screen elevation is 3218.72 ft msl.
3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.

Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



Hydrograph Trend

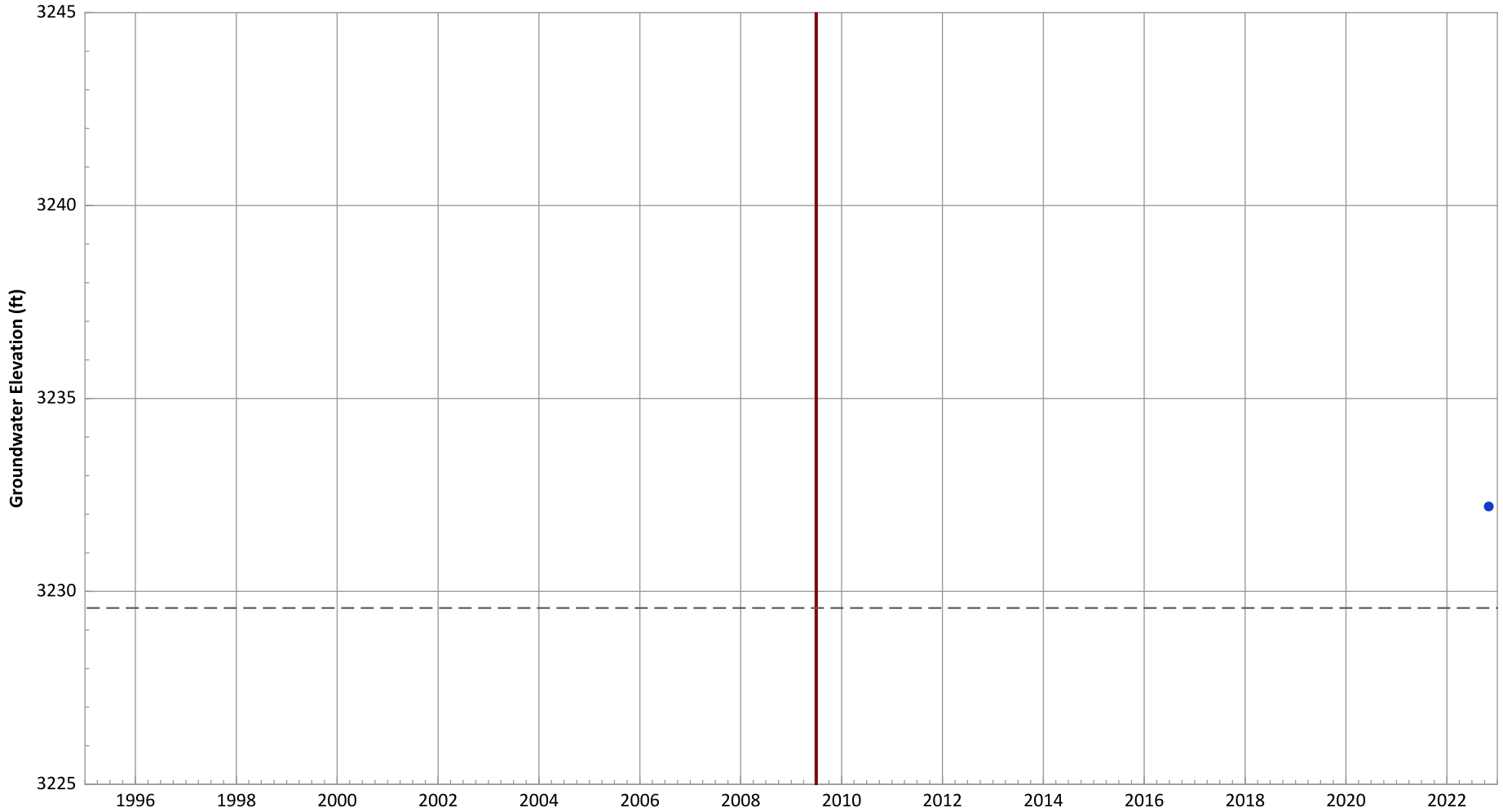
(MAROS Linear Regression Method)

All Data: N/A (No Measurements)

Data (1/2017 - 1/2021): N/A (No Measurements)



**PTX06-REC445 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

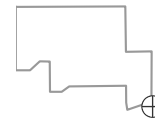


**Notes:**

1. Top of screen elevation is 3239.57 ft msl.
  2. The bottom of screen elevation is 3229.57 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

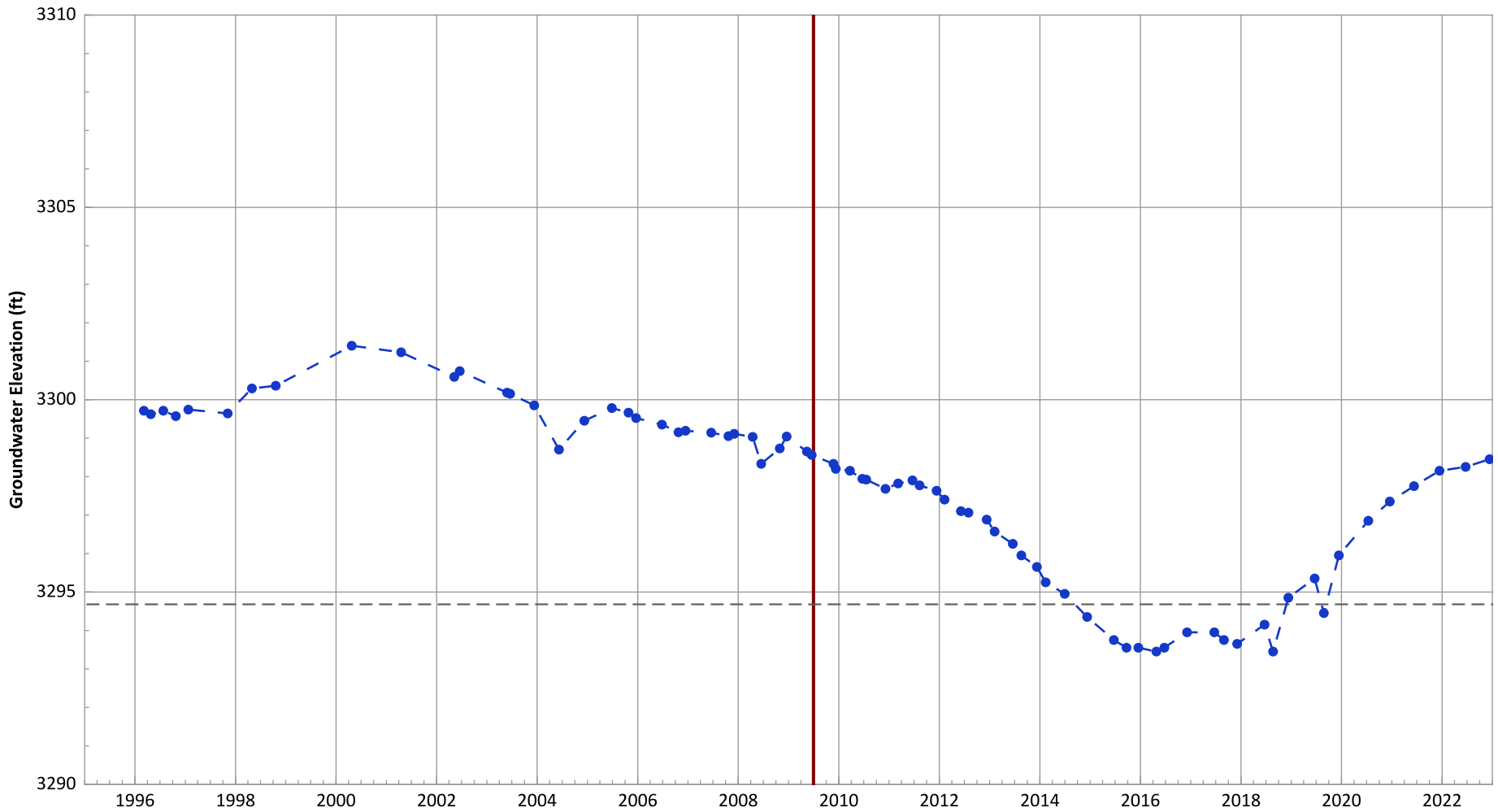
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: N/A (No Measurements)  
Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX07-1001 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

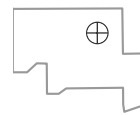


**Notes:**

1. Top of screen elevation is 3314.68 ft msl.
  2. The bottom of screen elevation is 3294.68 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

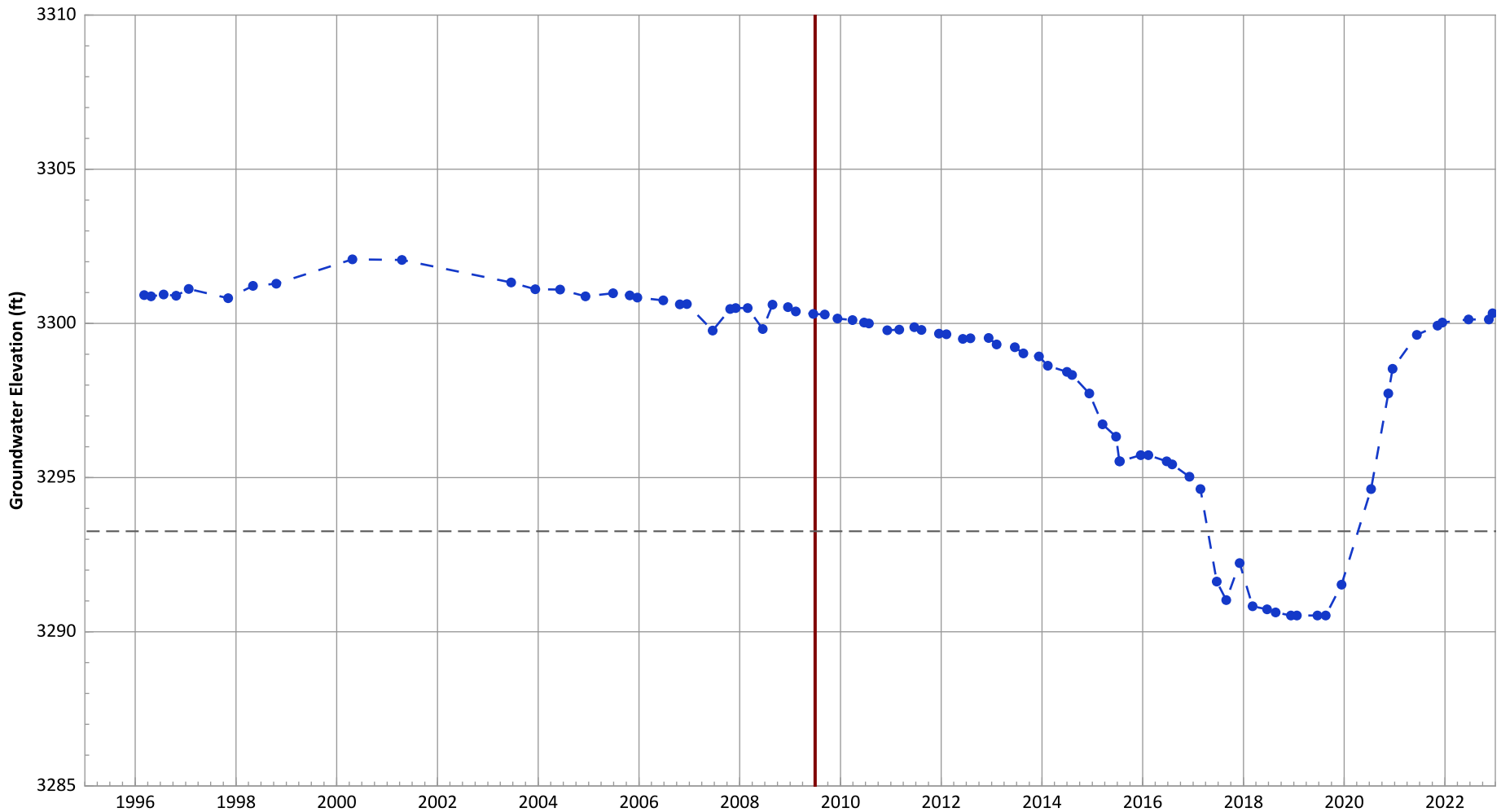
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.24 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.1 ft/yr

**PTX07-1002 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

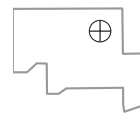


**Notes:**

1. Top of screen elevation is 3318.26 ft msl.
  2. The bottom of screen elevation is 3293.26 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

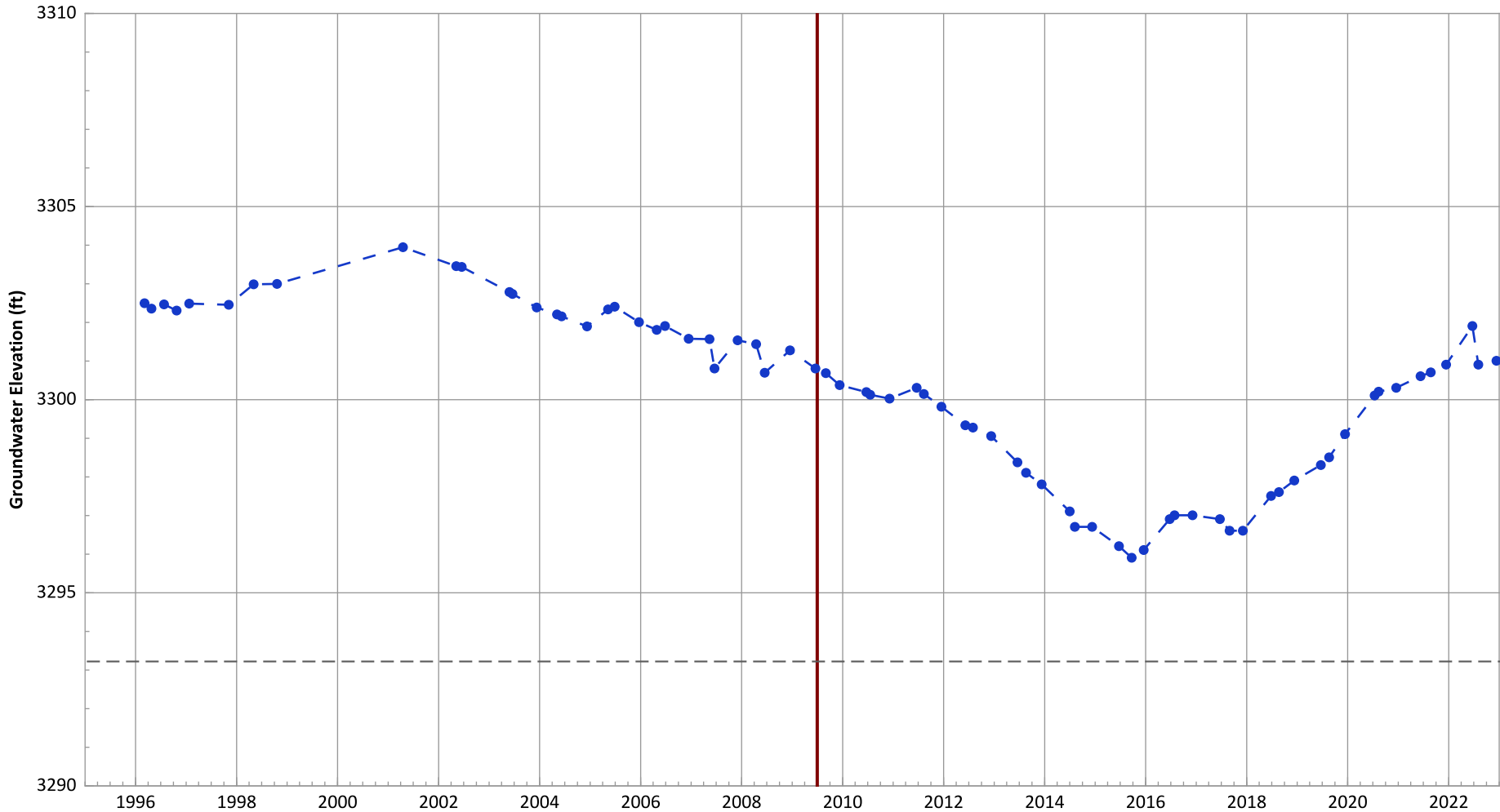
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.3 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.89 ft/yr

**PTX07-1003 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

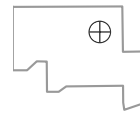


**Notes:**

1. Top of screen elevation is 3318.22 ft msl.
  2. The bottom of screen elevation is 3293.22 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

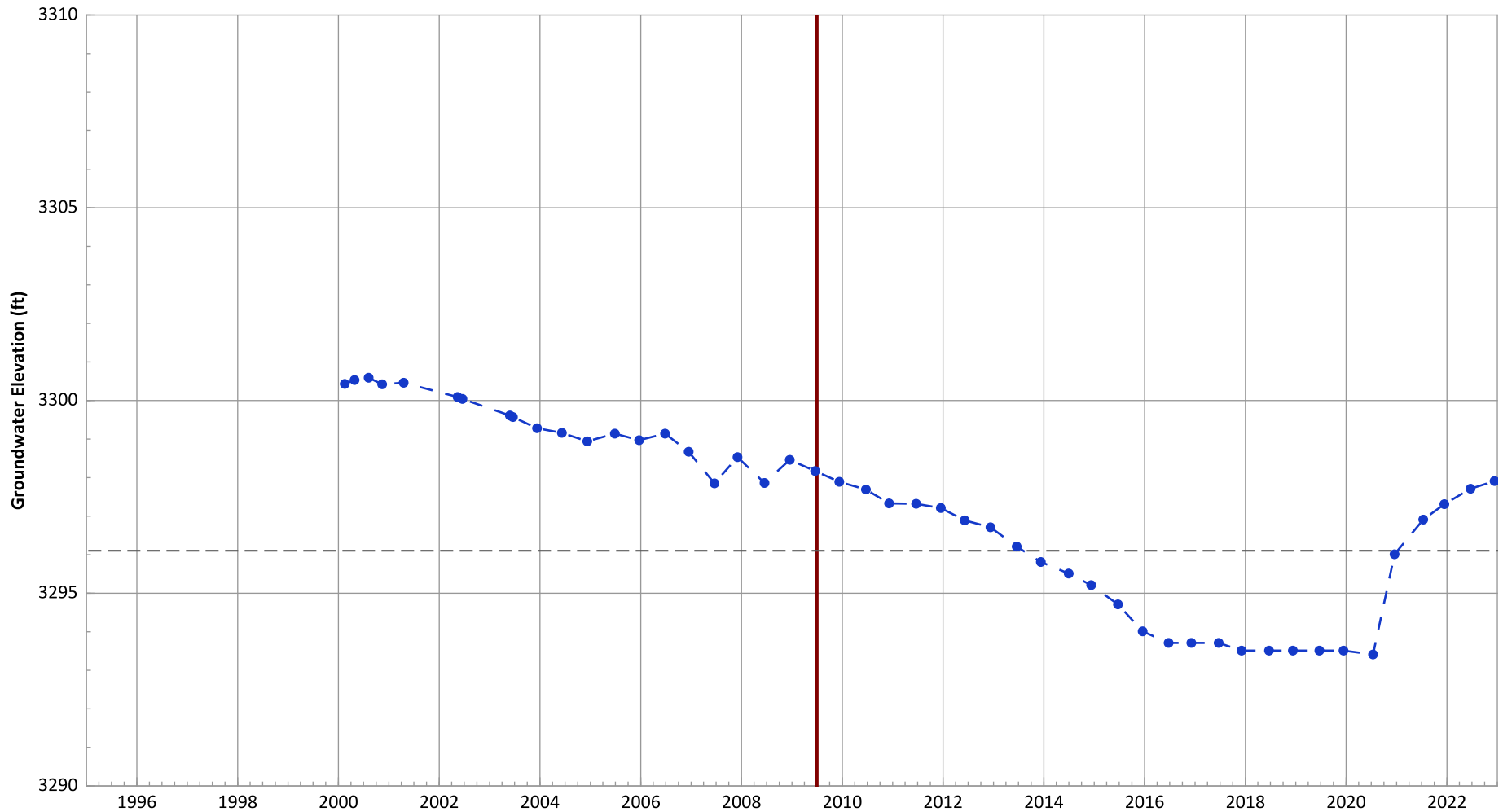
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.2 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.05 ft/yr

PTX07-1004 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

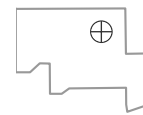


Notes:

1. Top of screen elevation is 3336.1 ft msl.
  2. The bottom of screen elevation is 3296.1 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

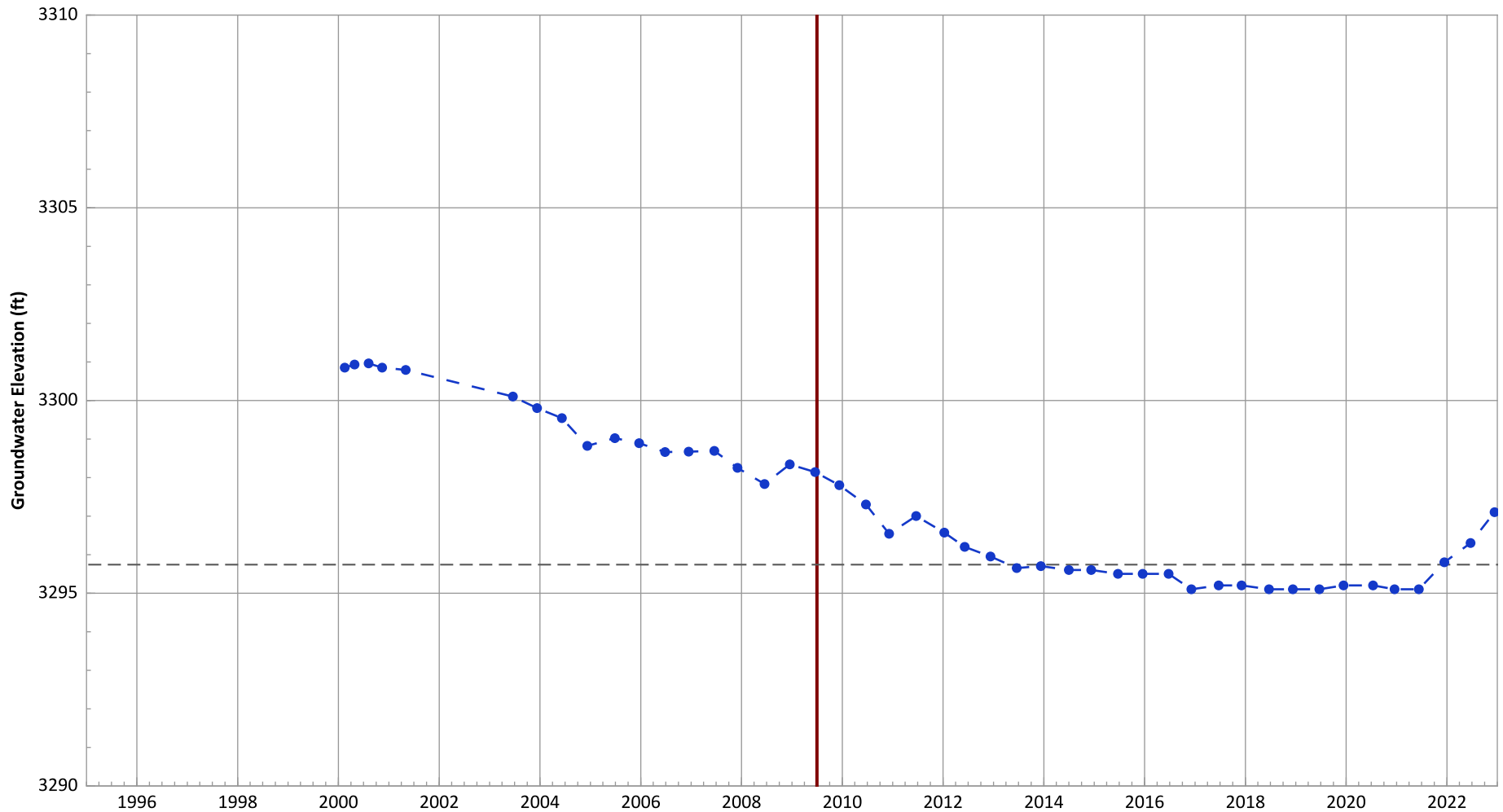
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.28 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.82 ft/yr

**PTX07-1005 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

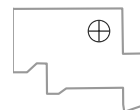


**Notes:**

1. Top of screen elevation is 3335.74 ft msl.
  2. The bottom of screen elevation is 3295.74 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

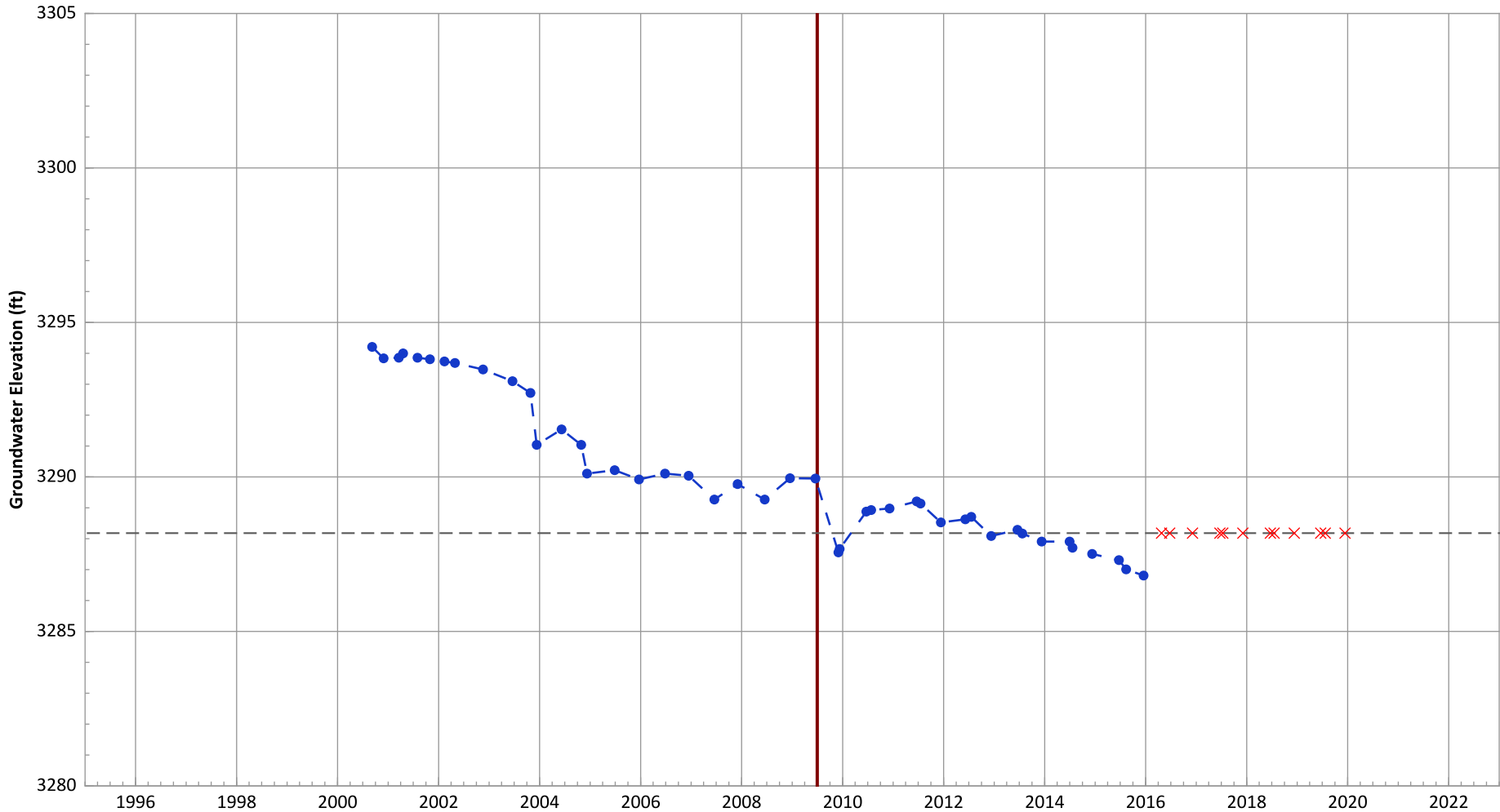
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.27 ft/yr  
Data (1/2017 - 1/2021): No Trend

**PTX07-1006 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



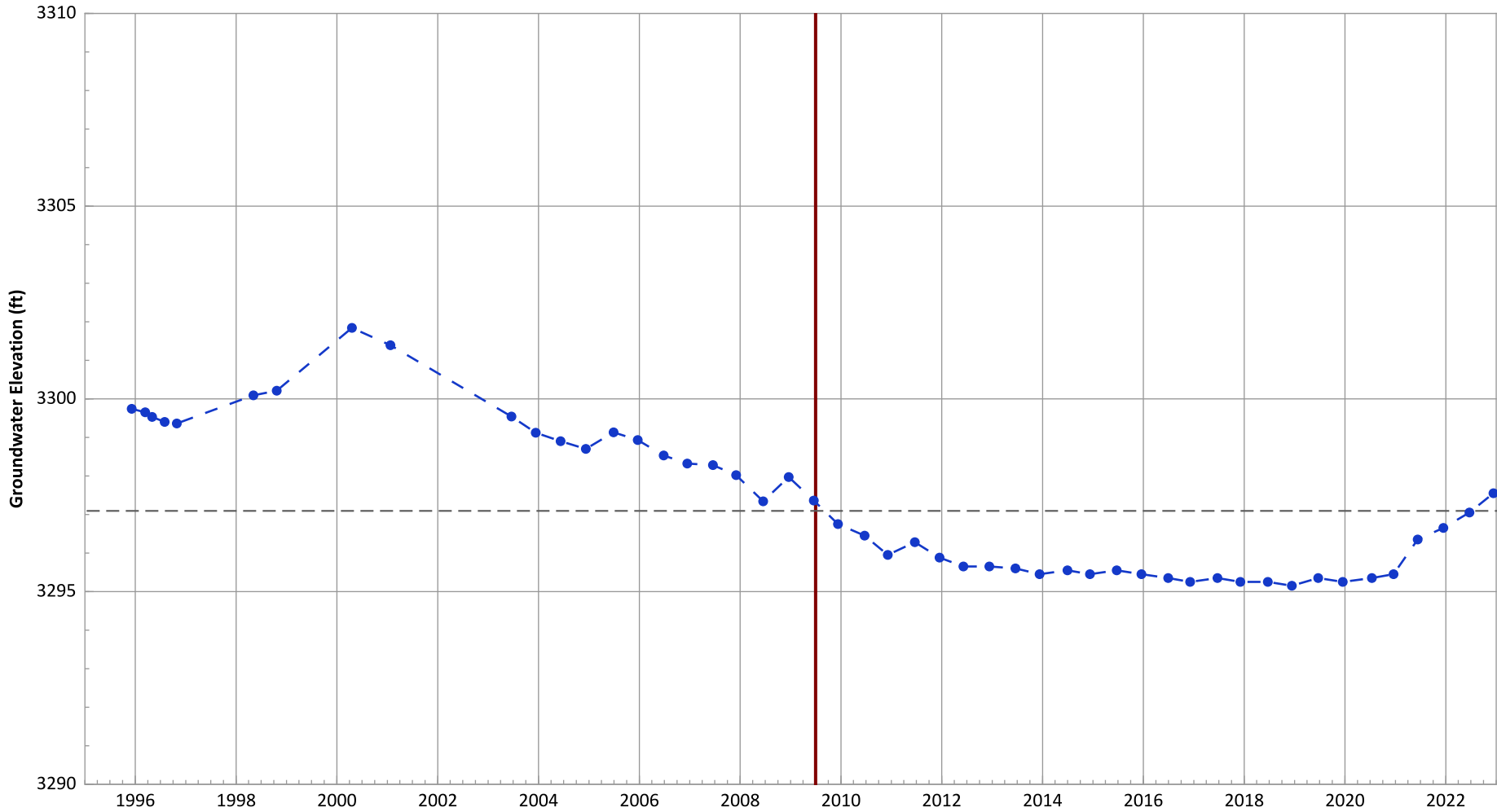
Notes:  
 1. Top of screen elevation is 3308.18 ft msl.  
 2. The bottom of screen elevation is 3288.18 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.45 ft/yr  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX07-1P01 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

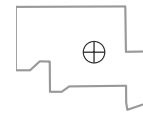


**Notes:**

1. Top of screen elevation is 3312.09 ft msl.
  2. The bottom of screen elevation is 3297.09 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**

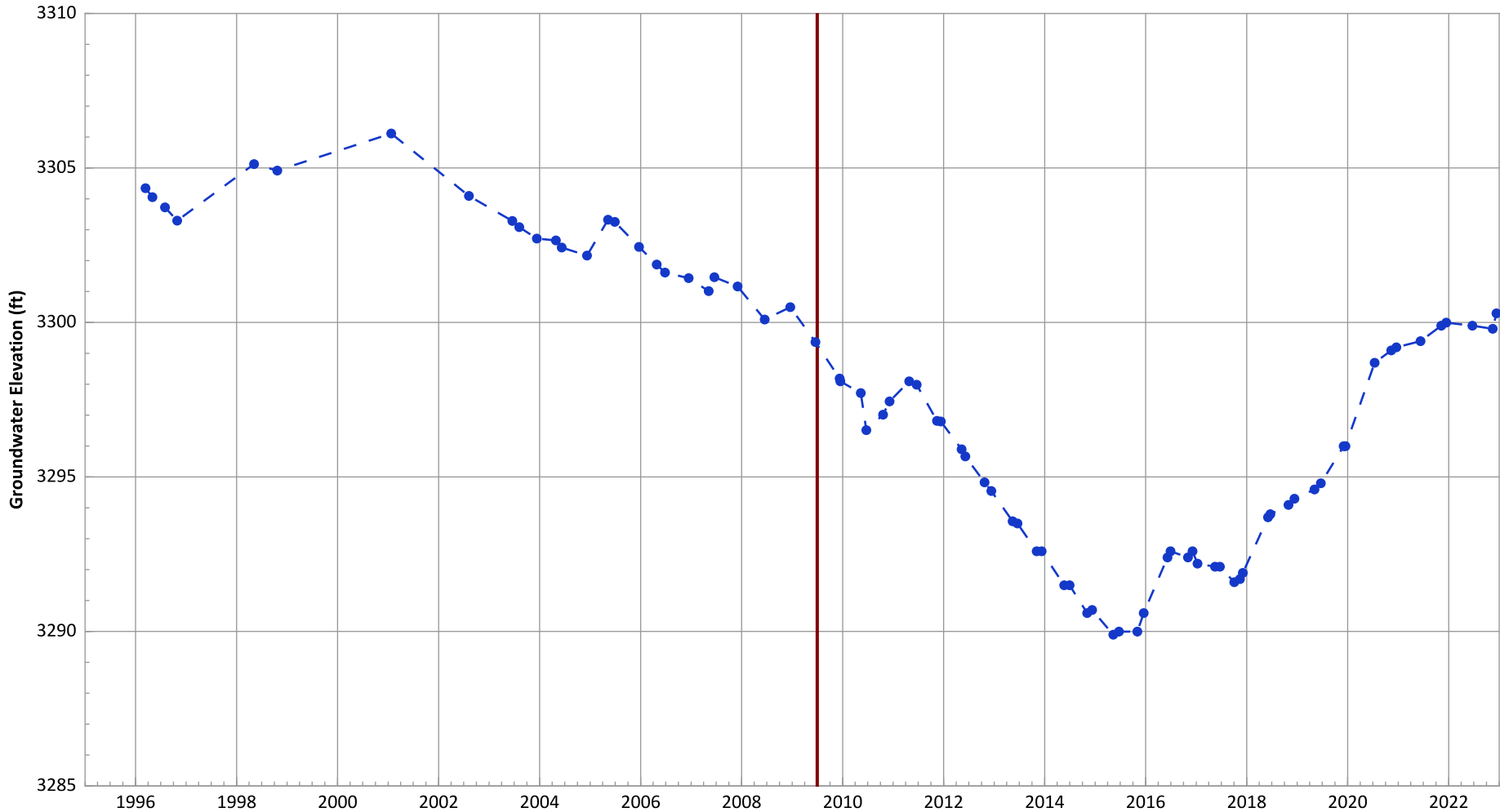


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.2 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.25 ft/yr



**PTX07-1P02 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

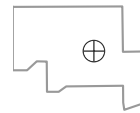


**Notes:**

1. Top of screen elevation is 3308.46 ft msl.
  2. The bottom of screen elevation is 3283.46 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

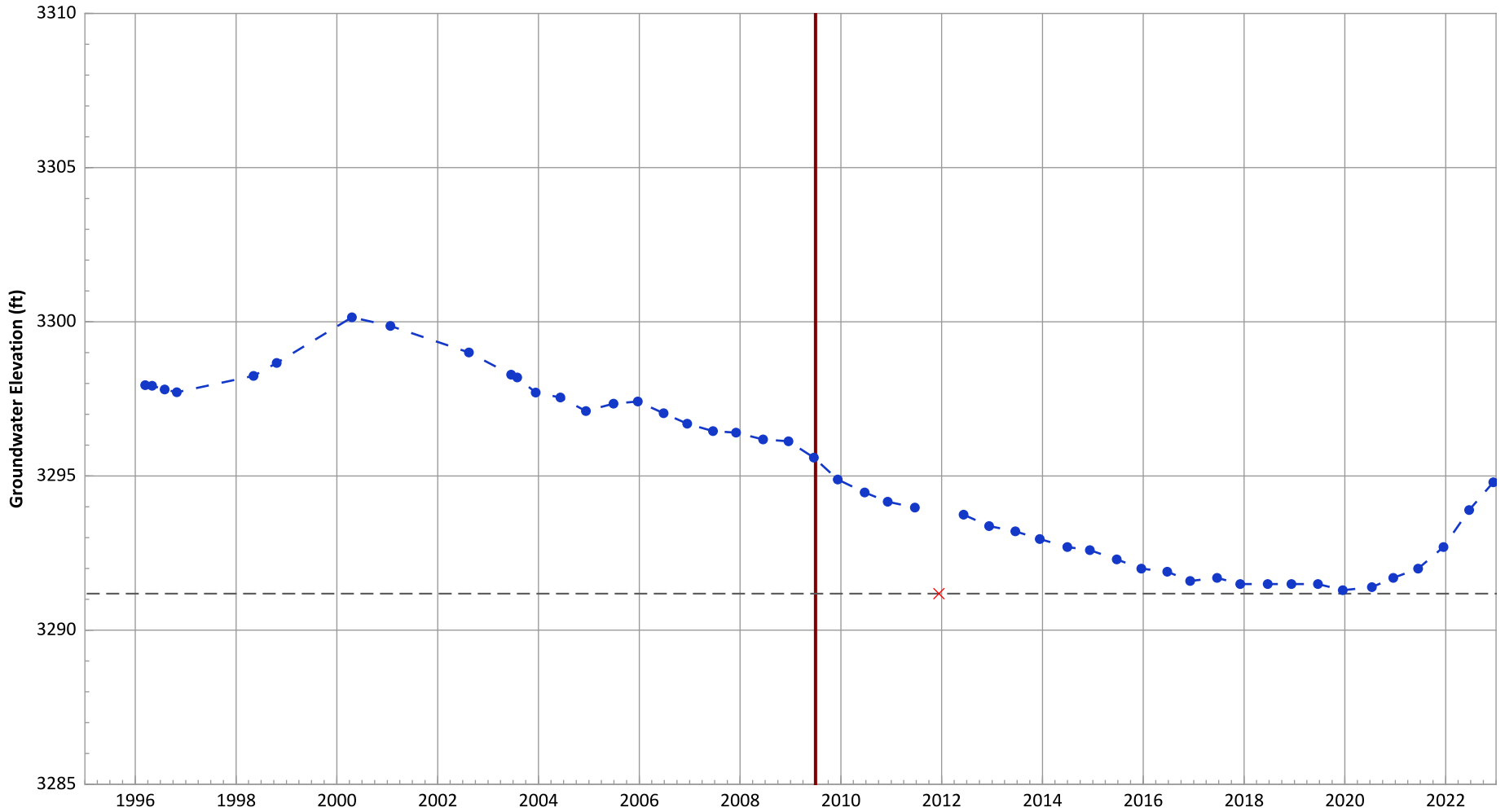
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.44 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 1.92 ft/yr

**PTX07-1P03 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



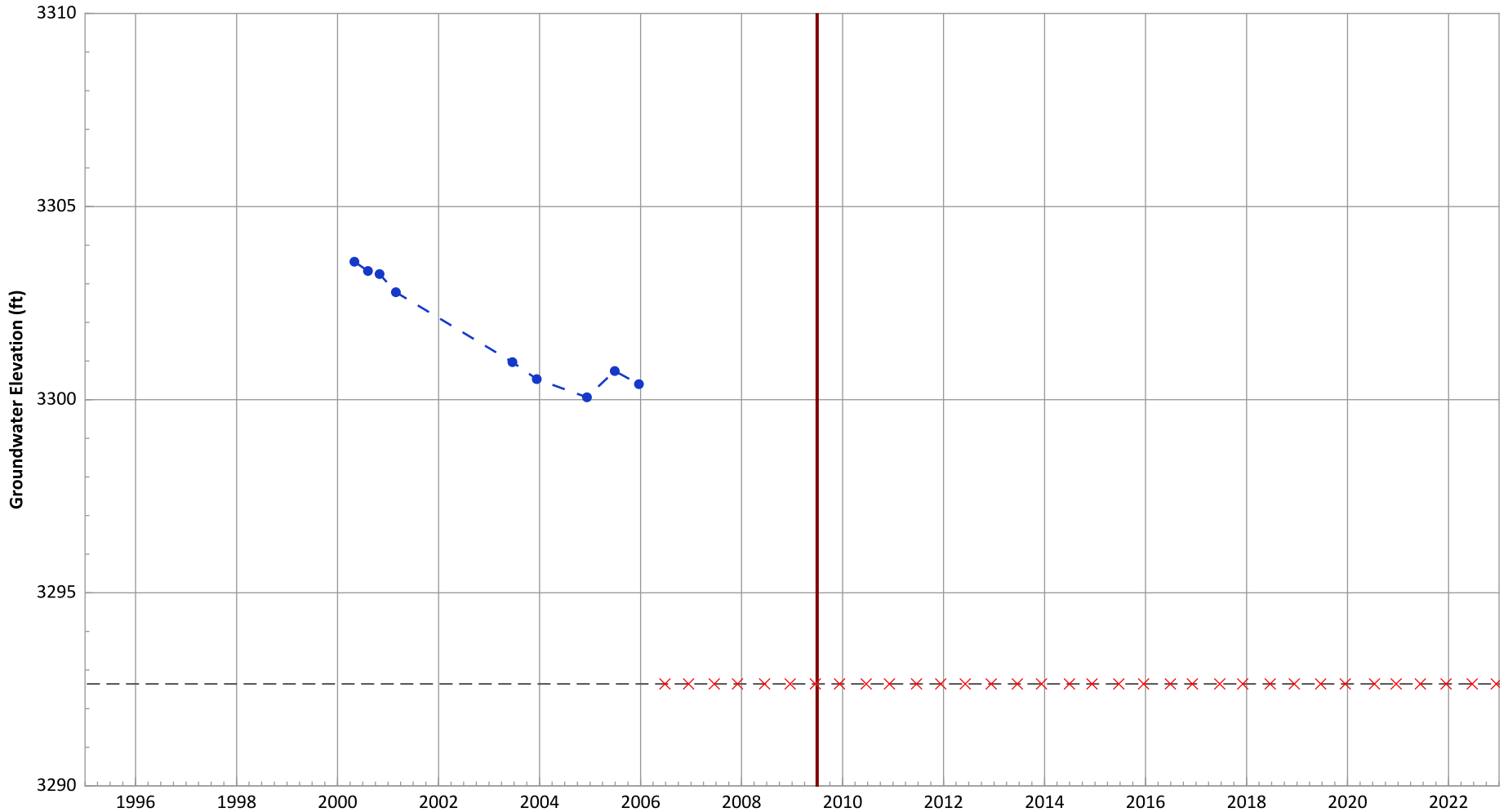
Notes:  
 1. Top of screen elevation is 3311.18 ft msl.  
 2. The bottom of screen elevation is 3291.18 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.31 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.16 ft/yr

**PTX07-1P04 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



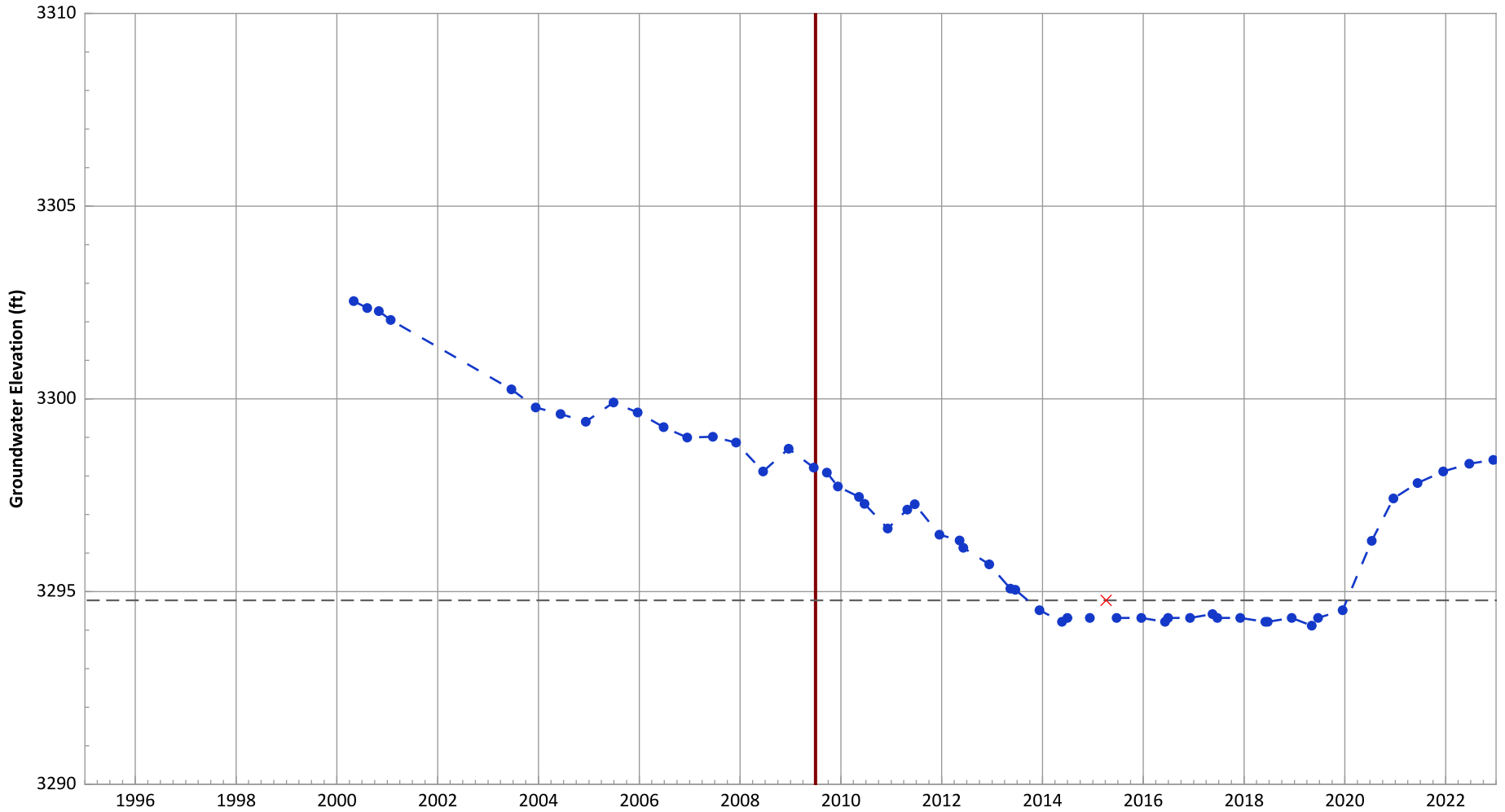
Notes:  
 1. Top of screen elevation is 3332.64 ft msl.  
 2. The bottom of screen elevation is 3292.64 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.61 ft/yr  
 Data (1/2017 - 1/2021): N/A (No Measurements)

**PTX07-1P05 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



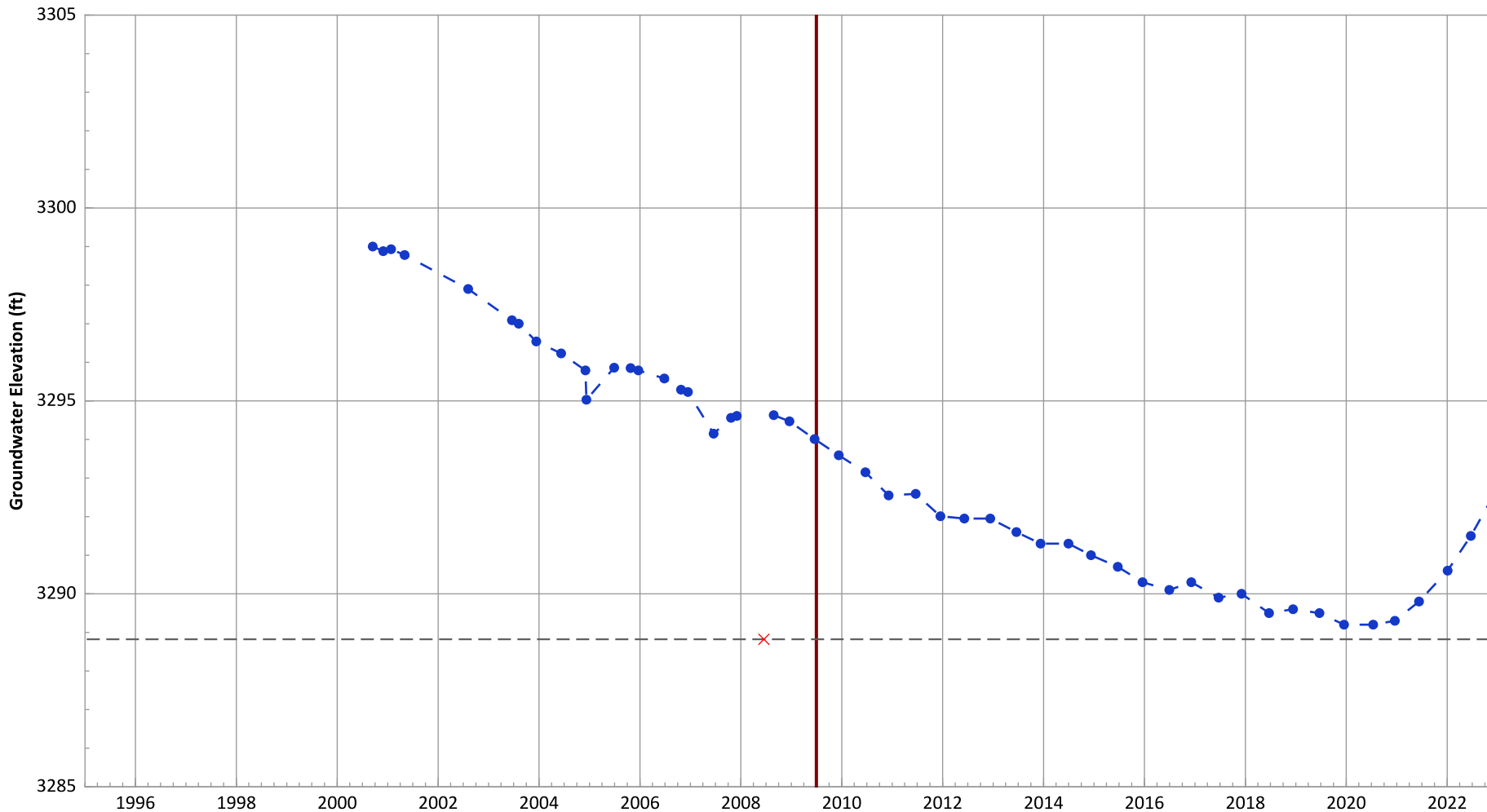
Notes:  
 1. Top of screen elevation is 3334.77 ft msl.  
 2. The bottom of screen elevation is 3294.77 ft msl.  
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.  
 Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.3 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.9 ft/yr

**PTX07-1P06 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

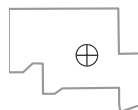


**Notes:**

1. Top of screen elevation is 3308.82 ft msl.
  2. The bottom of screen elevation is 3288.82 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- × No Water Detected
- Start of Remedial Action

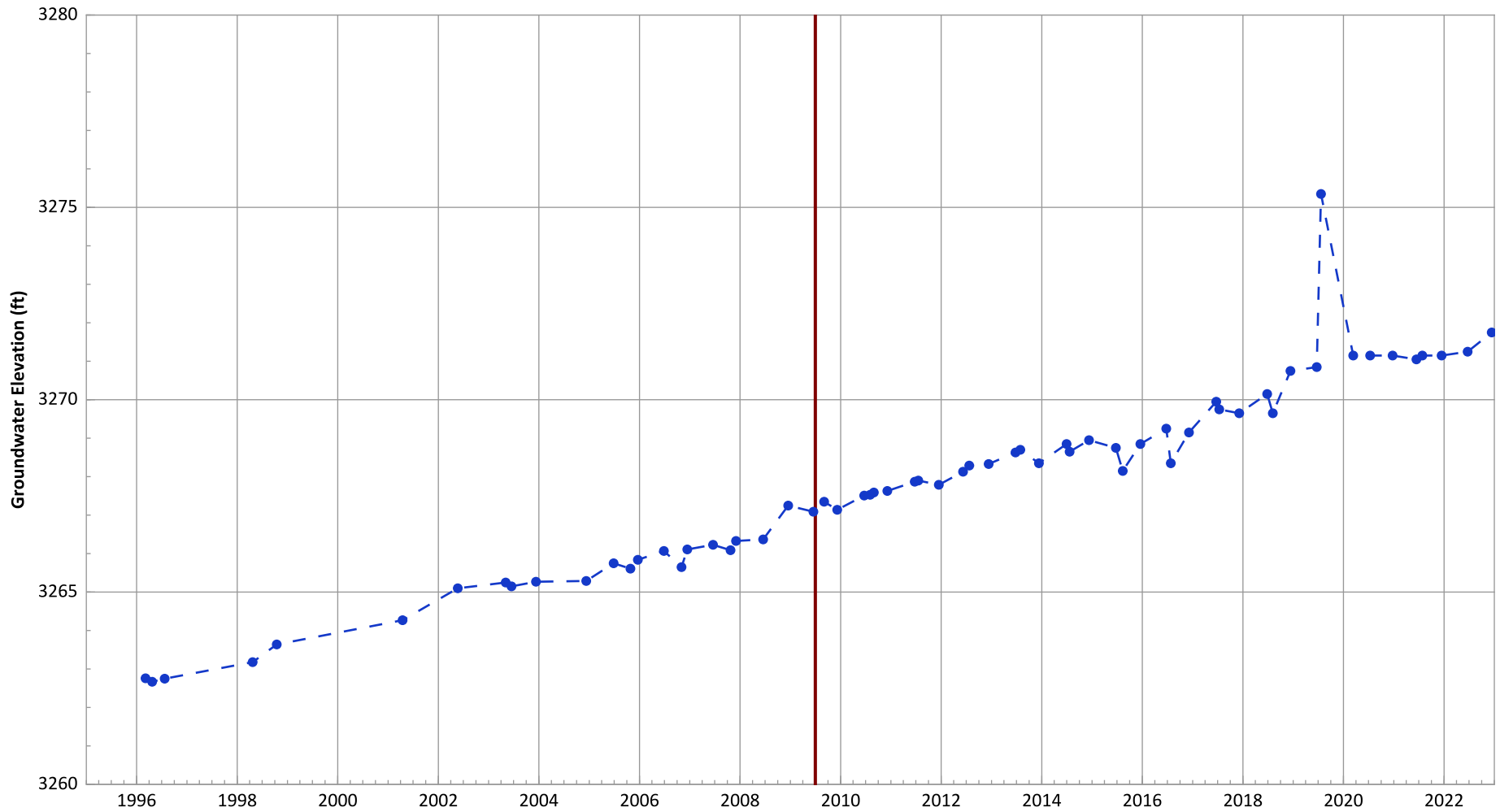
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.42 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.12 ft/yr

**PTX07-1Q01 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

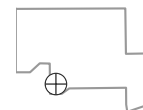


**Notes:**

1. Top of screen elevation is 3274.86 ft msl.
  2. The bottom of screen elevation is 3249.86 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

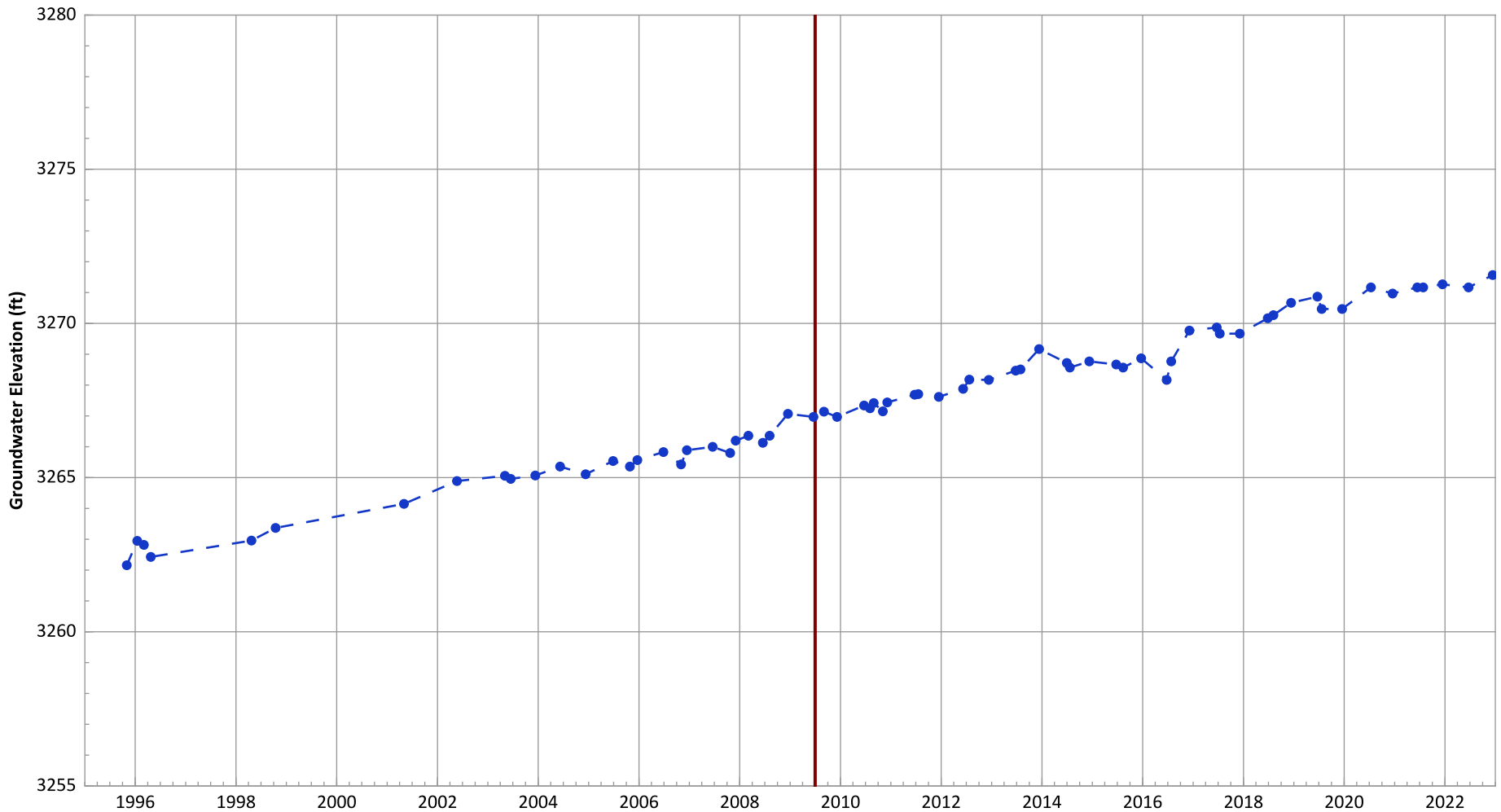
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.35 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.35 ft/yr

PTX07-1Q02 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

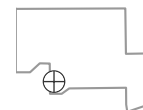


Notes:

1. Top of screen elevation is 3267.94 ft msl.
  2. The bottom of screen elevation is 3237.94 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

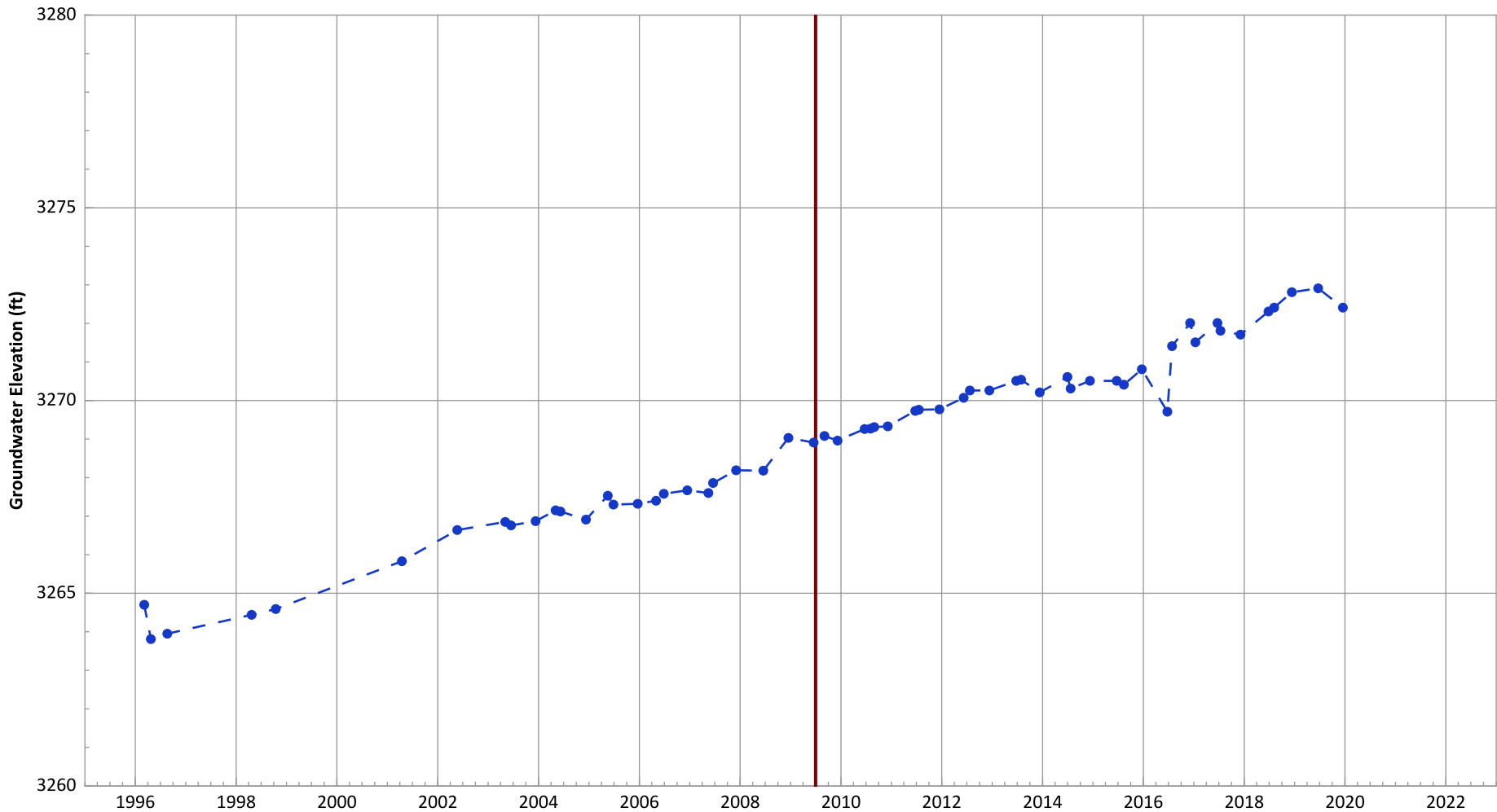
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.34 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.35 ft/yr

PTX07-1Q03 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

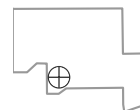


Notes:

1. Top of screen elevation is 3278.29 ft msl.
  2. The bottom of screen elevation is 3228.29 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

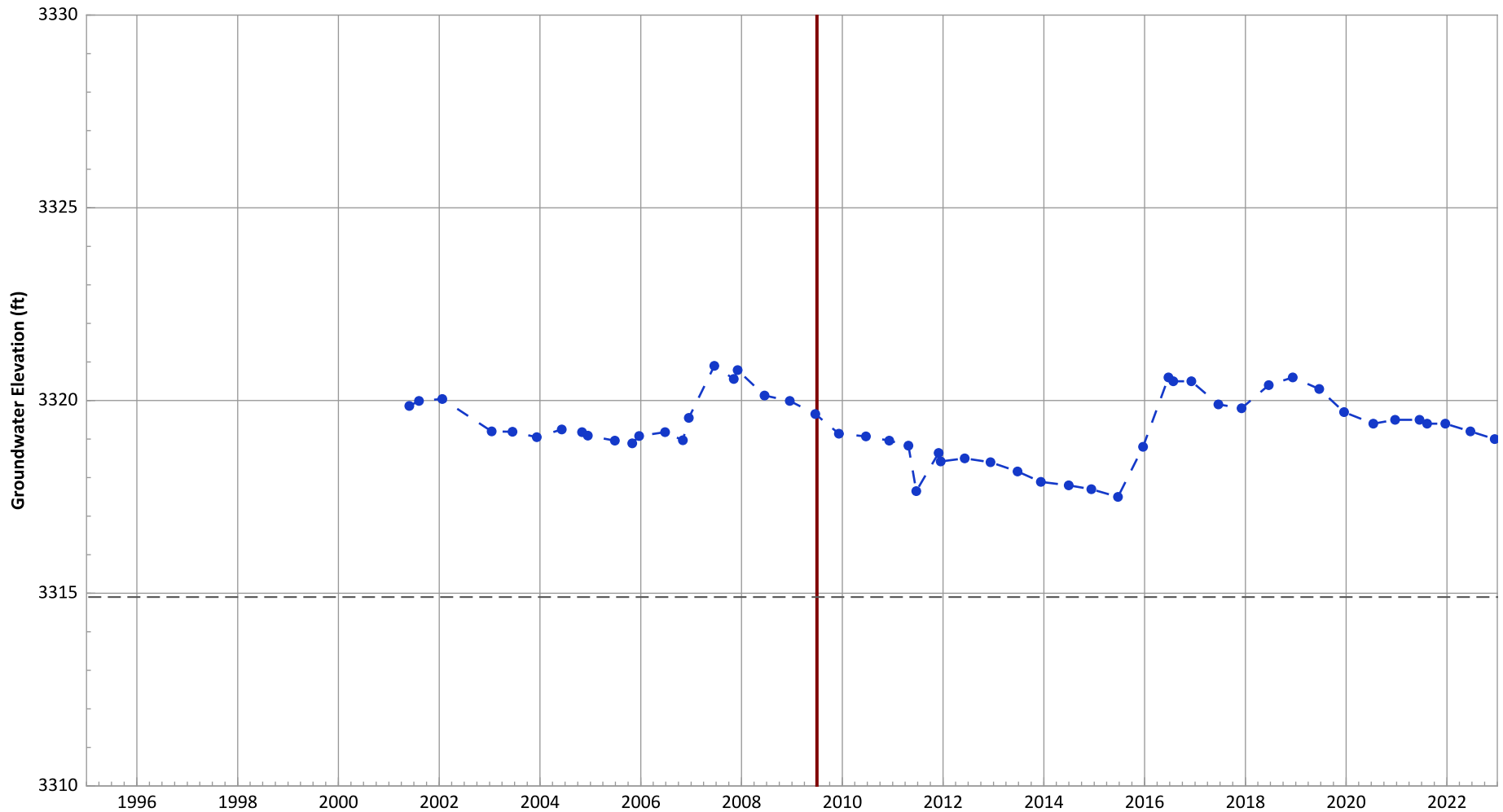


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.36 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.41 ft/yr



**PTX07-1R03 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

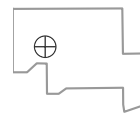


**Notes:**

1. Top of screen elevation is 3334.9 ft msl.
  2. The bottom of screen elevation is 3314.9 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

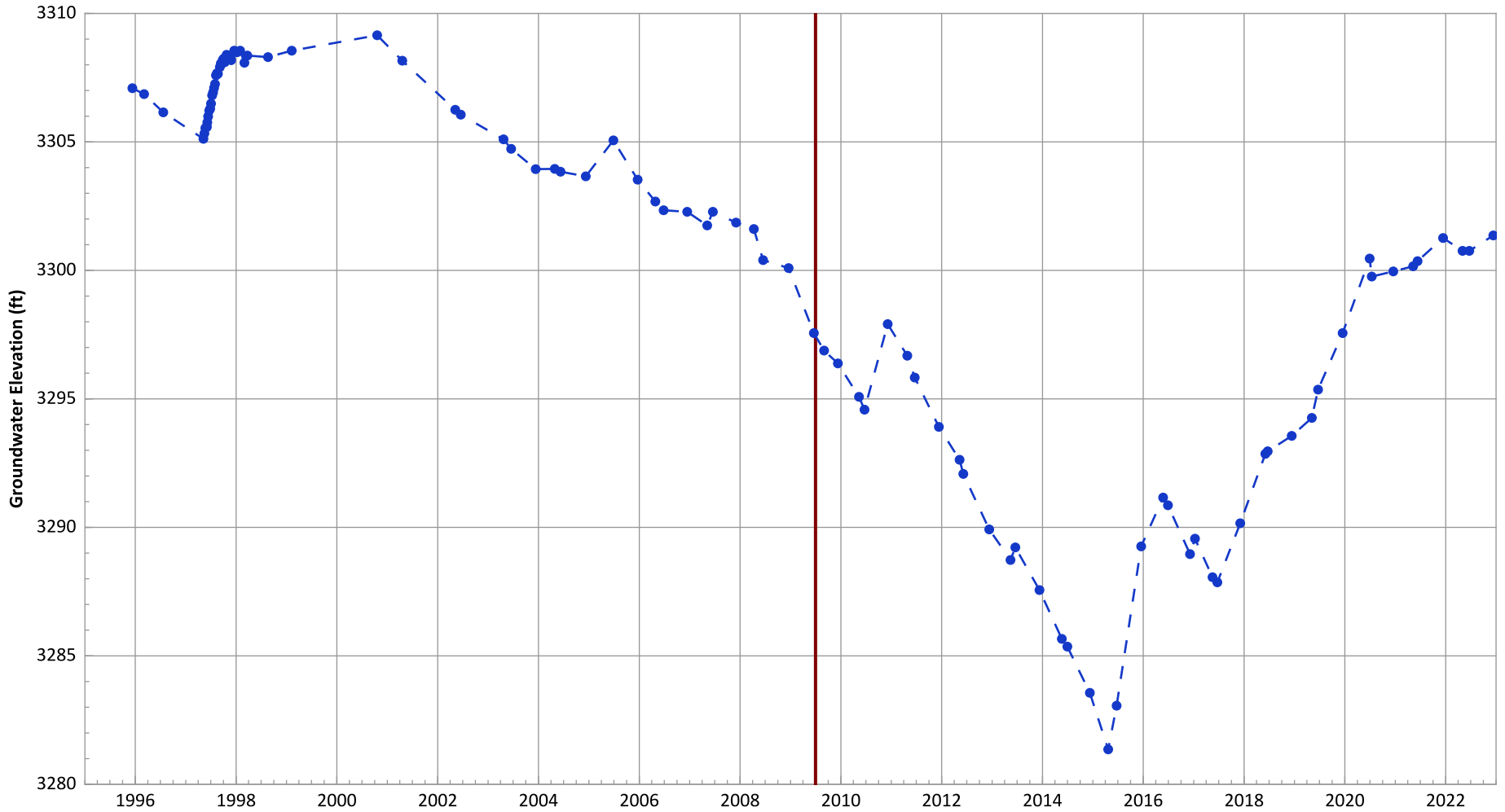
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.19 ft/yr

**PTX08-1001 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

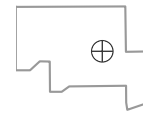


**Notes:**

1. Top of screen elevation is 3286.63 ft msl.
  2. The bottom of screen elevation is 3241.63 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

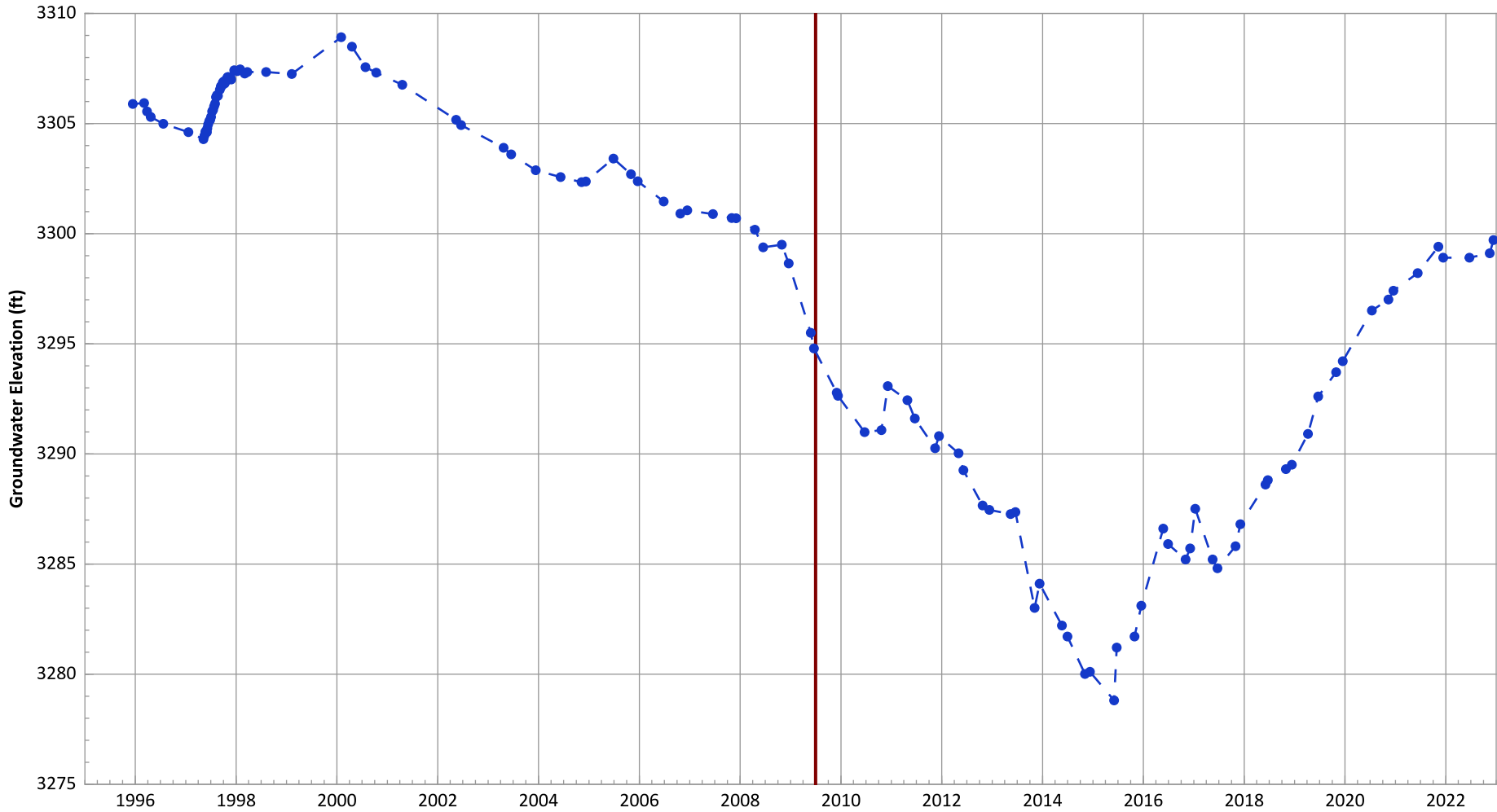
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.66 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 2.94 ft/yr

**PTX08-1002 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

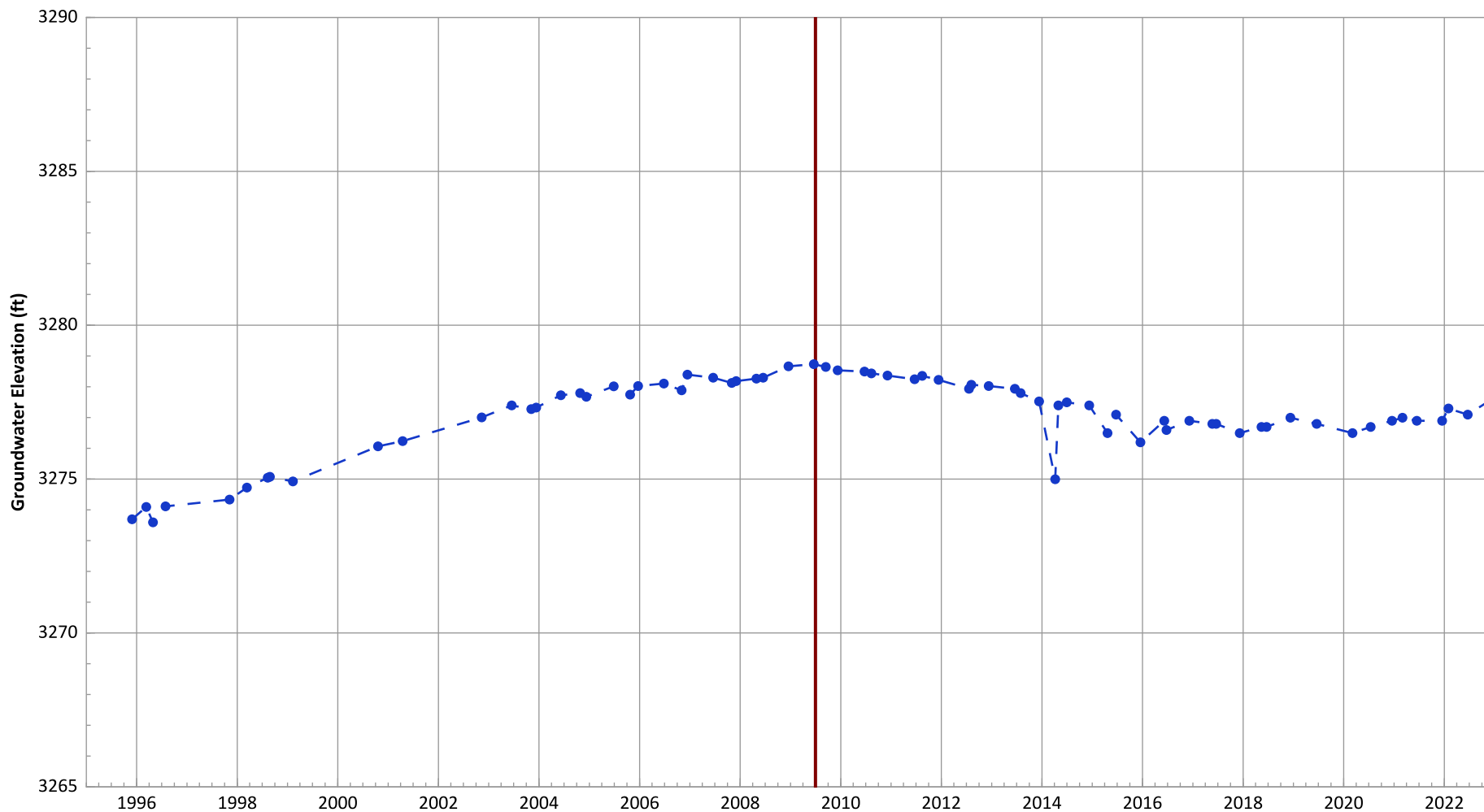
1. Top of screen elevation is 3289.71 ft msl.
  2. The bottom of screen elevation is 3254.71 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Decreasing at 0.8 ft/yr  
Data (1/2017 - 1/2021): Increasing at 3.13 ft/yr

**PTX08-1003 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

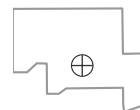


**Notes:**

1. Top of screen elevation is 3284.39 ft msl.
  2. The bottom of screen elevation is 3254.39 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

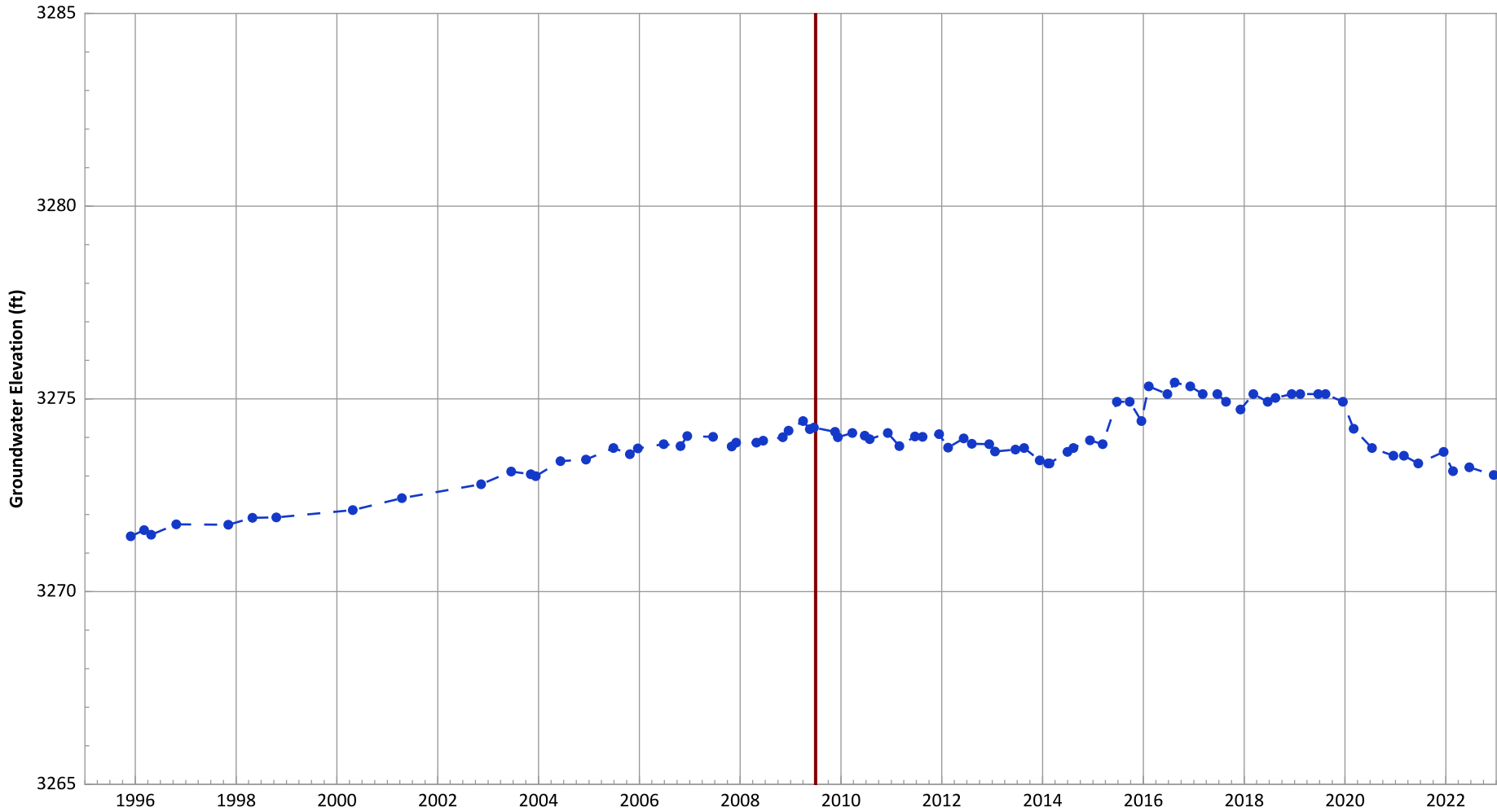
—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

**PTX08-1005 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

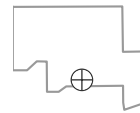


**Notes:**

1. Top of screen elevation is 3279.61 ft msl.
  2. The bottom of screen elevation is 3259.61 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

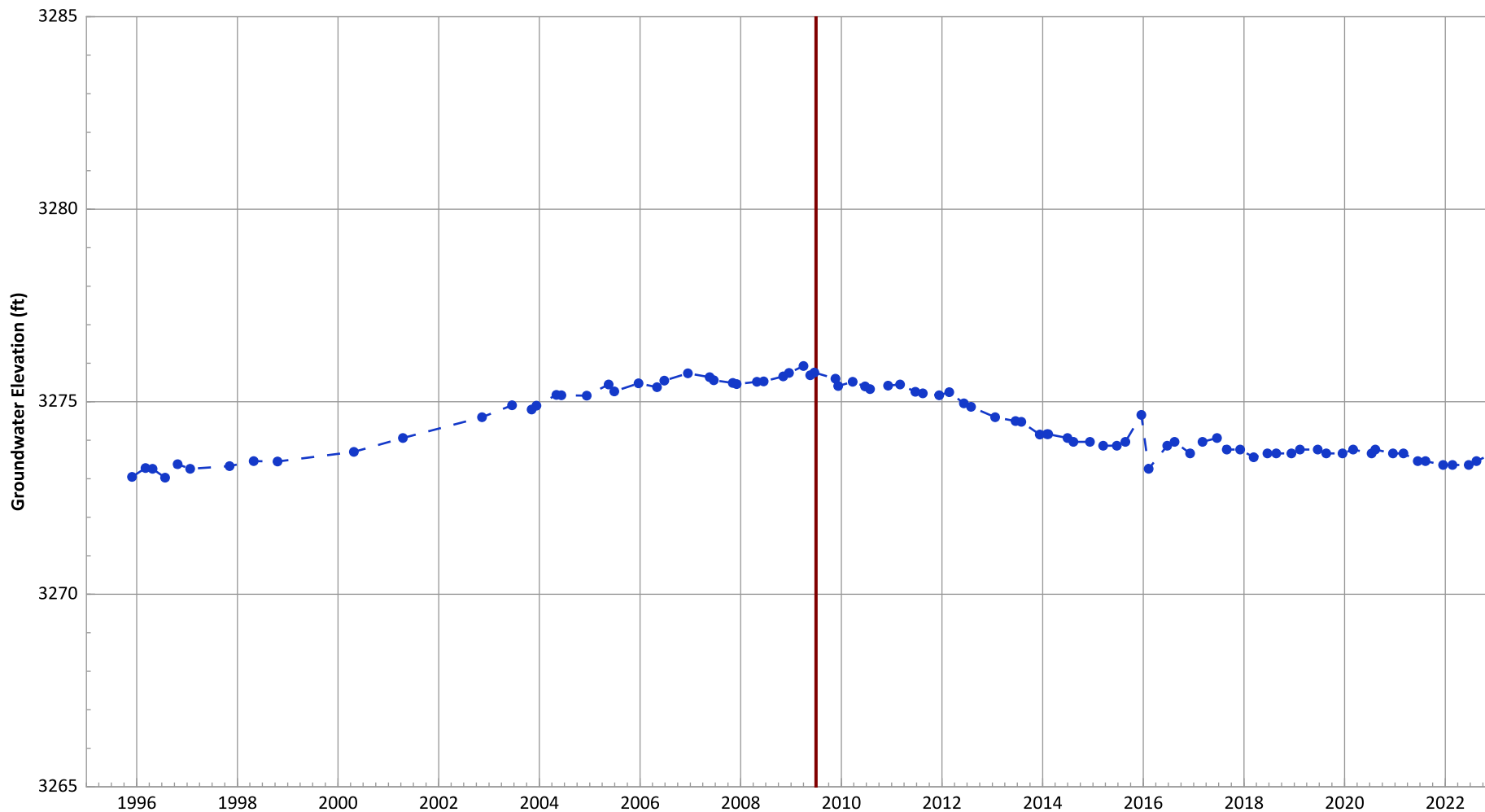
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): Decreasing at 0.4 ft/yr

PTX08-1006 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

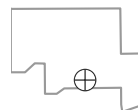


Notes:

1. Top of screen elevation is 3285.96 ft msl.
  2. The bottom of screen elevation is 3240.96 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

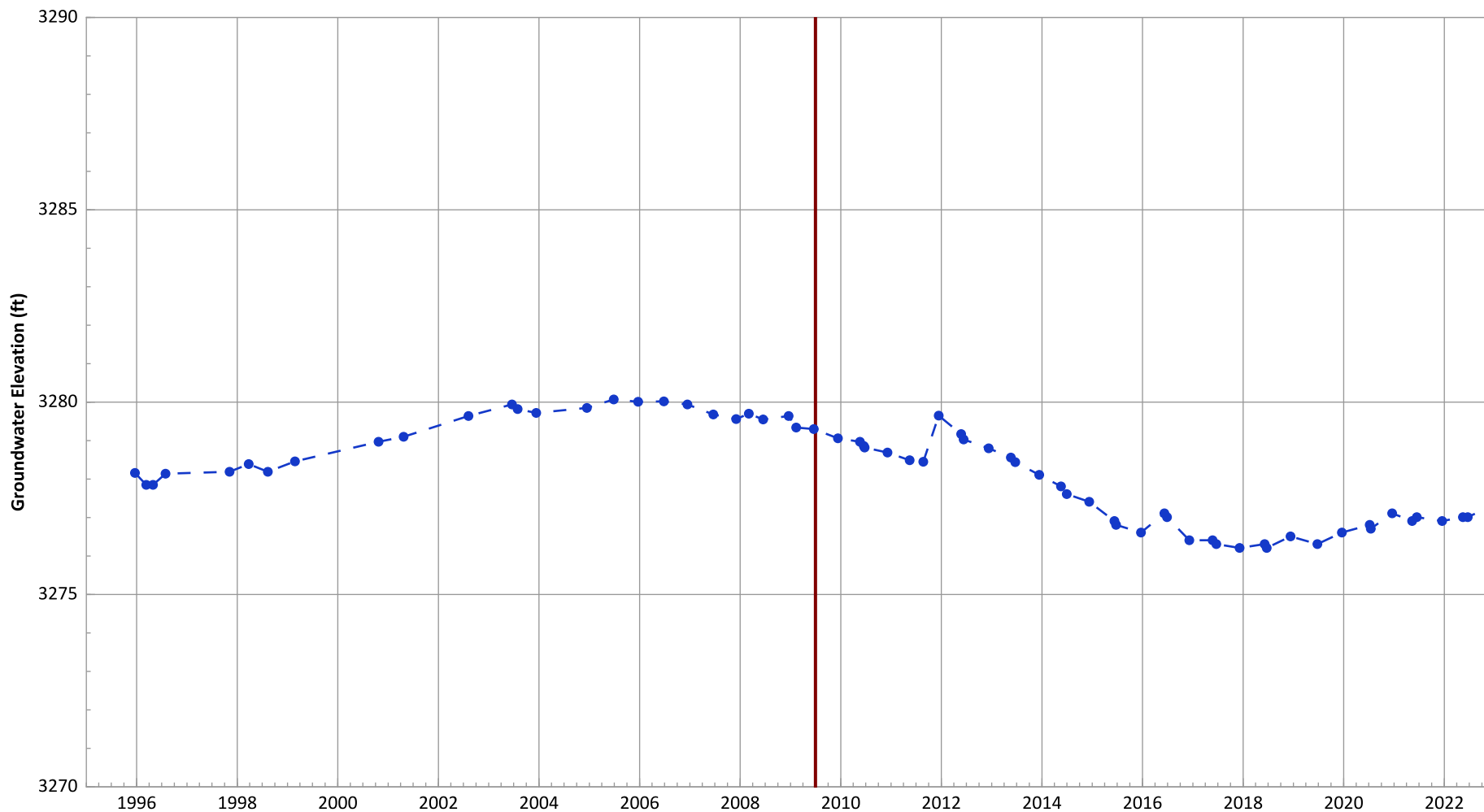
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: No Trend  
Data (1/2017 - 1/2021): No Trend

**PTX08-1007 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

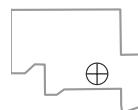


**Notes:**

1. Top of screen elevation is 3280.55 ft msl.
  2. The bottom of screen elevation is 3245.55 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

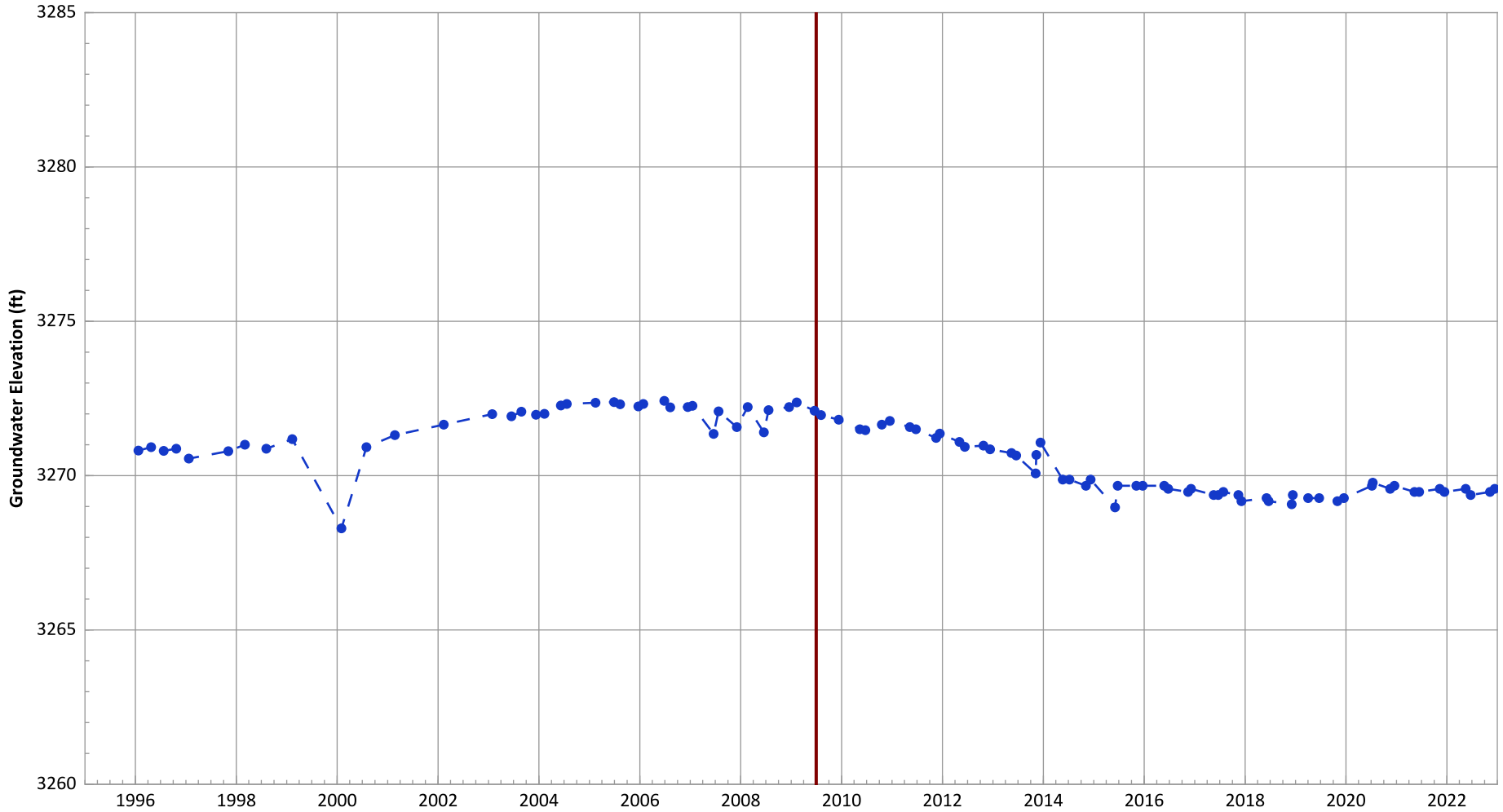
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.1 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.18 ft/yr

**PTX08-1008 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

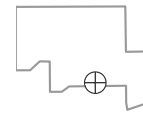


**Notes:**

1. Top of screen elevation is 3277.04 ft msl.
  2. The bottom of screen elevation is 3247.04 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**

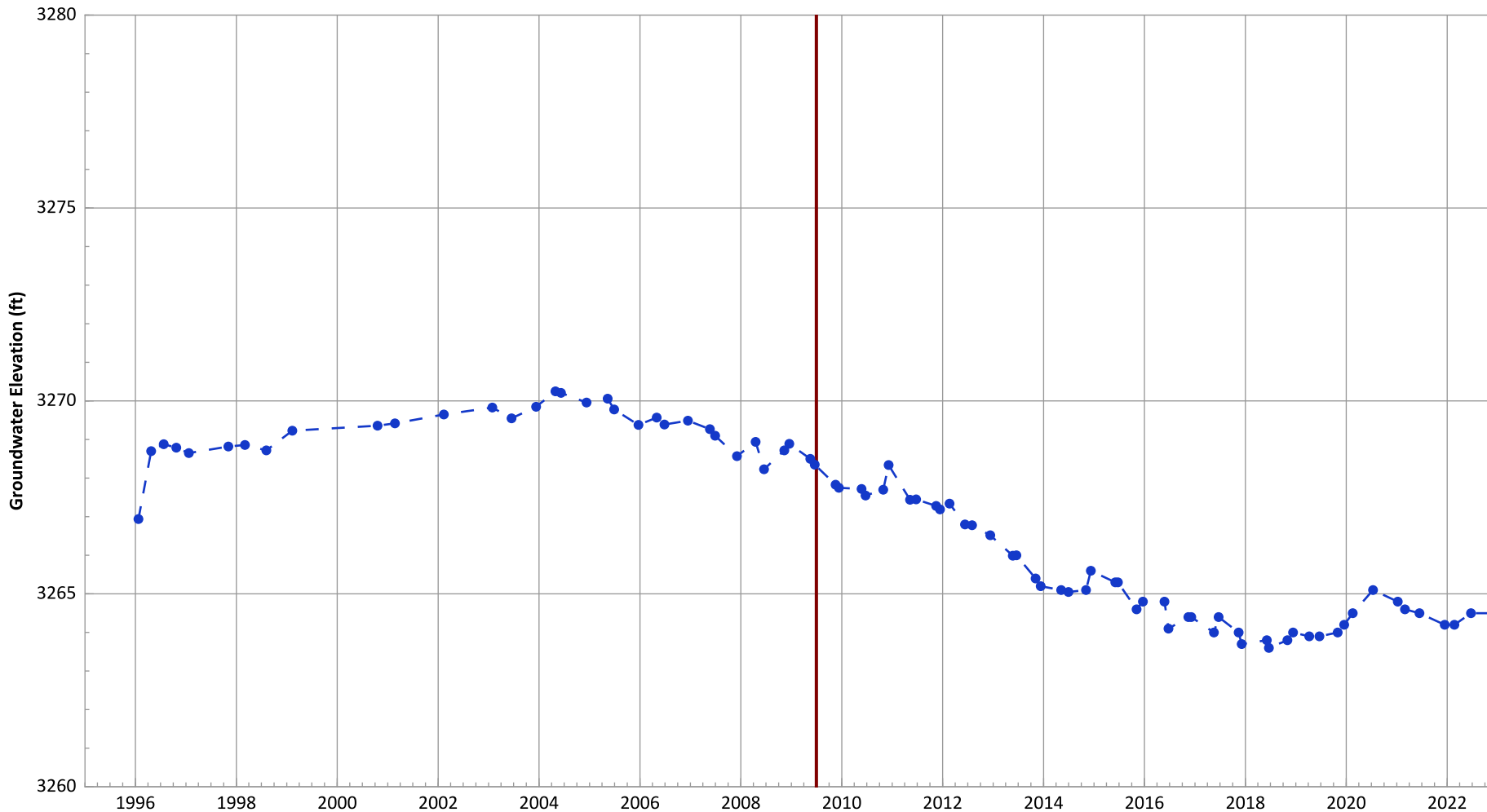


**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.1 ft/yr  
 Data (1/2017 - 1/2021): No Trend



PTX08-1009 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant

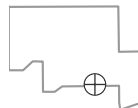


Notes:

1. Top of screen elevation is 3280.09 ft msl.
  2. The bottom of screen elevation is 3250.09 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

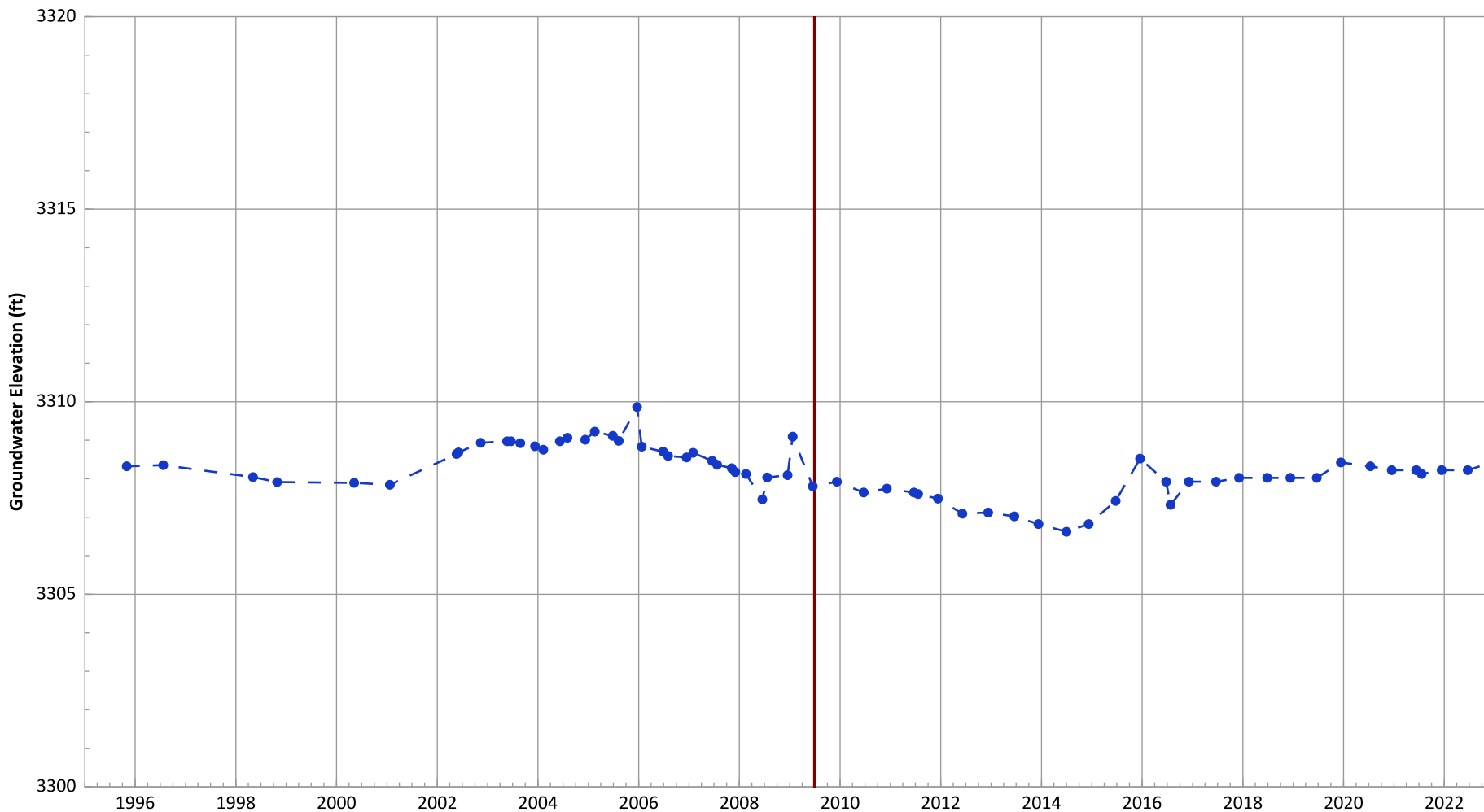
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.26 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.17 ft/yr

**PTX08-1010 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3321.22 ft msl.
  2. The bottom of screen elevation is 3286.22 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

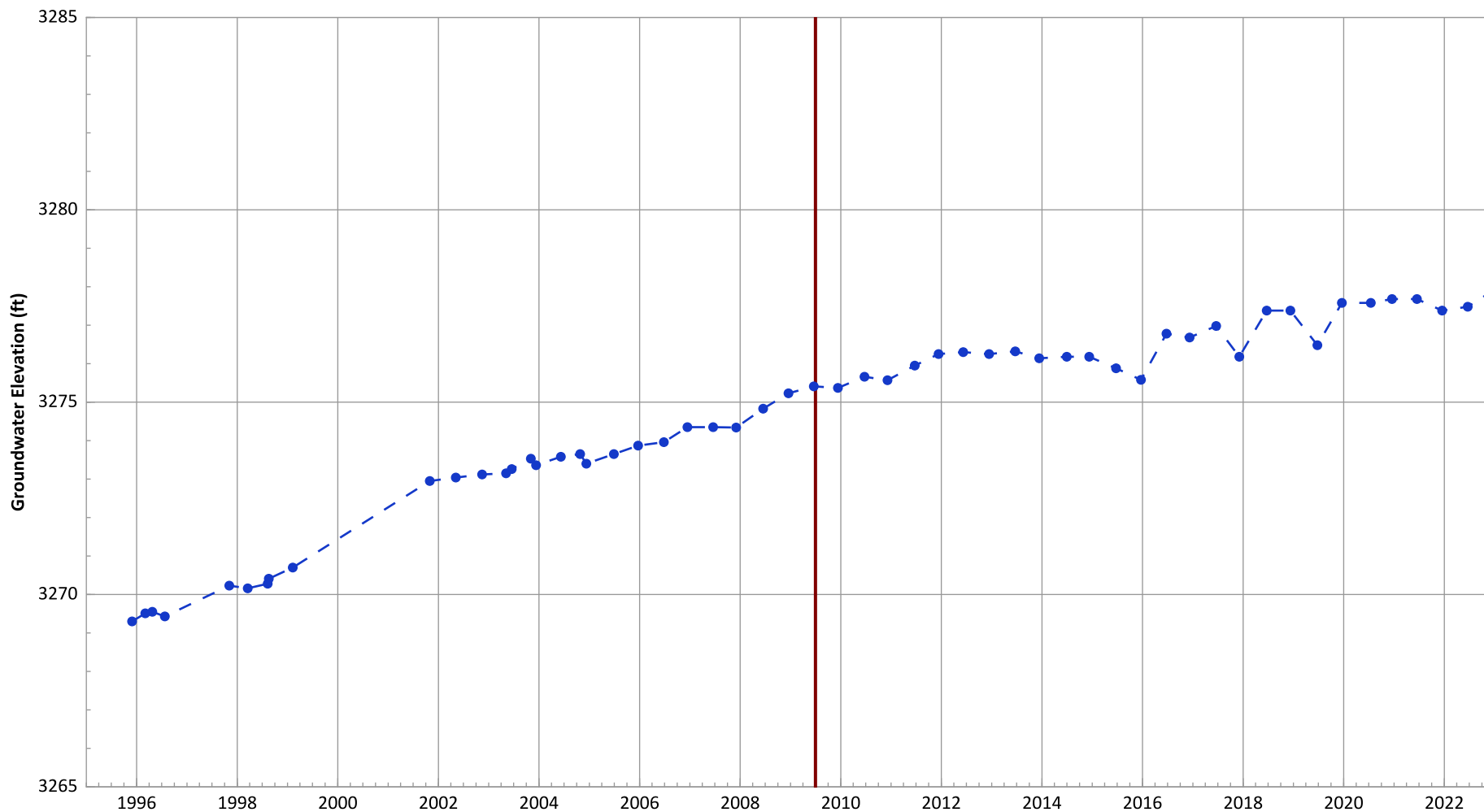
—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: No Trend  
 Data (1/2017 - 1/2021): No Trend

**PTX10-1008 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

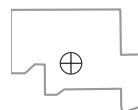


**Notes:**

1. Top of screen elevation is 3277.2 ft msl.
  2. The bottom of screen elevation is 3252.7 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

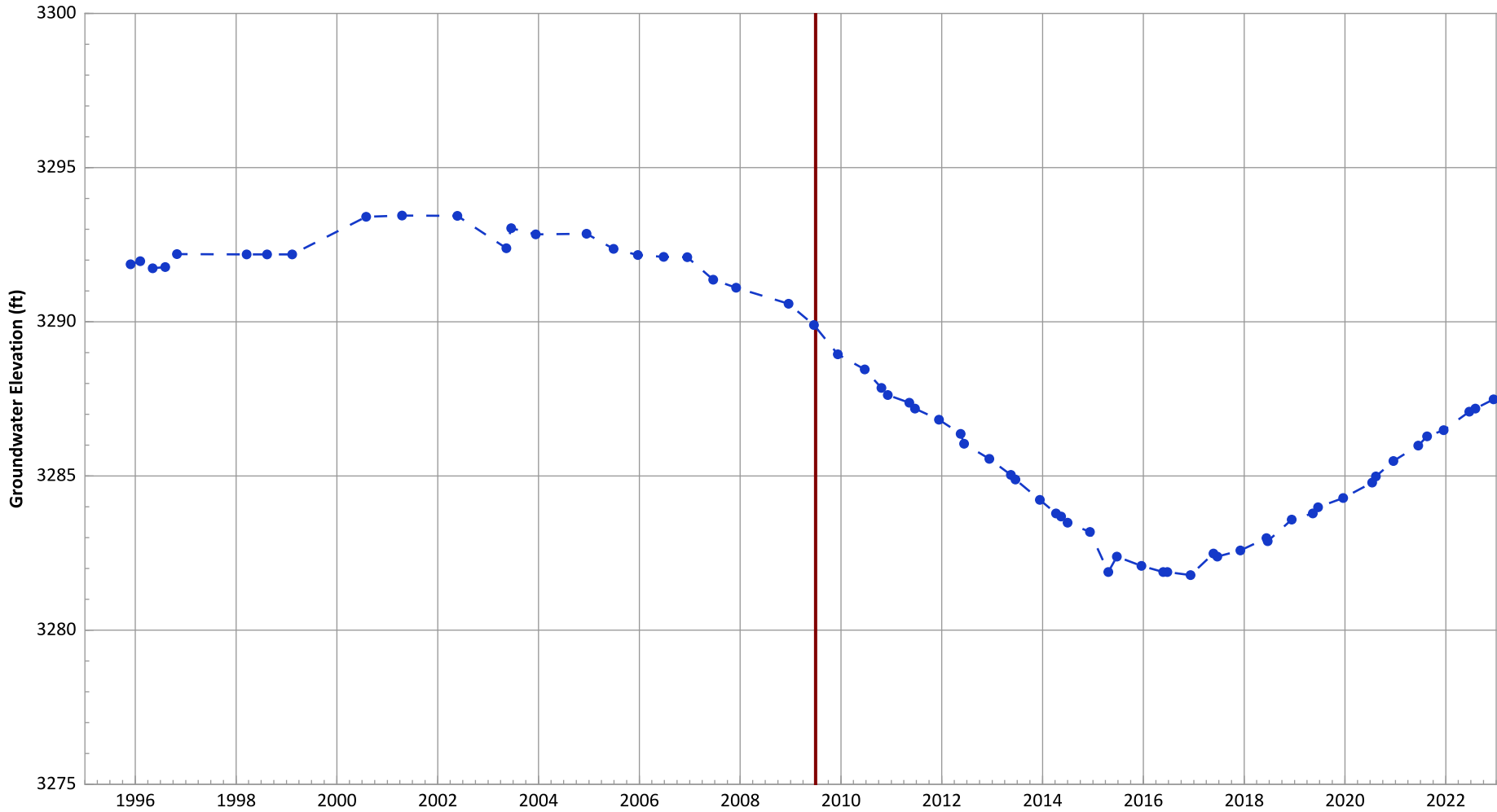
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Increasing at 0.3 ft/yr  
Data (1/2017 - 1/2021): Increasing at 0.21 ft/yr

**PTX10-1014 Hydrograph in Perched Aquifer  
USDOE/NNSA Pantex Plant**

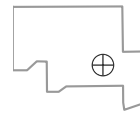


**Notes:**

1. Top of screen elevation is 3301.64 ft msl.
  2. The bottom of screen elevation is 3271.84 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

- Groundwater Elevation
- - - Bottom of Screen Elevation
- Start of Remedial Action

**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.41 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.92 ft/yr



## Ogallala Aquifer Water Level Trends and Hydrographs

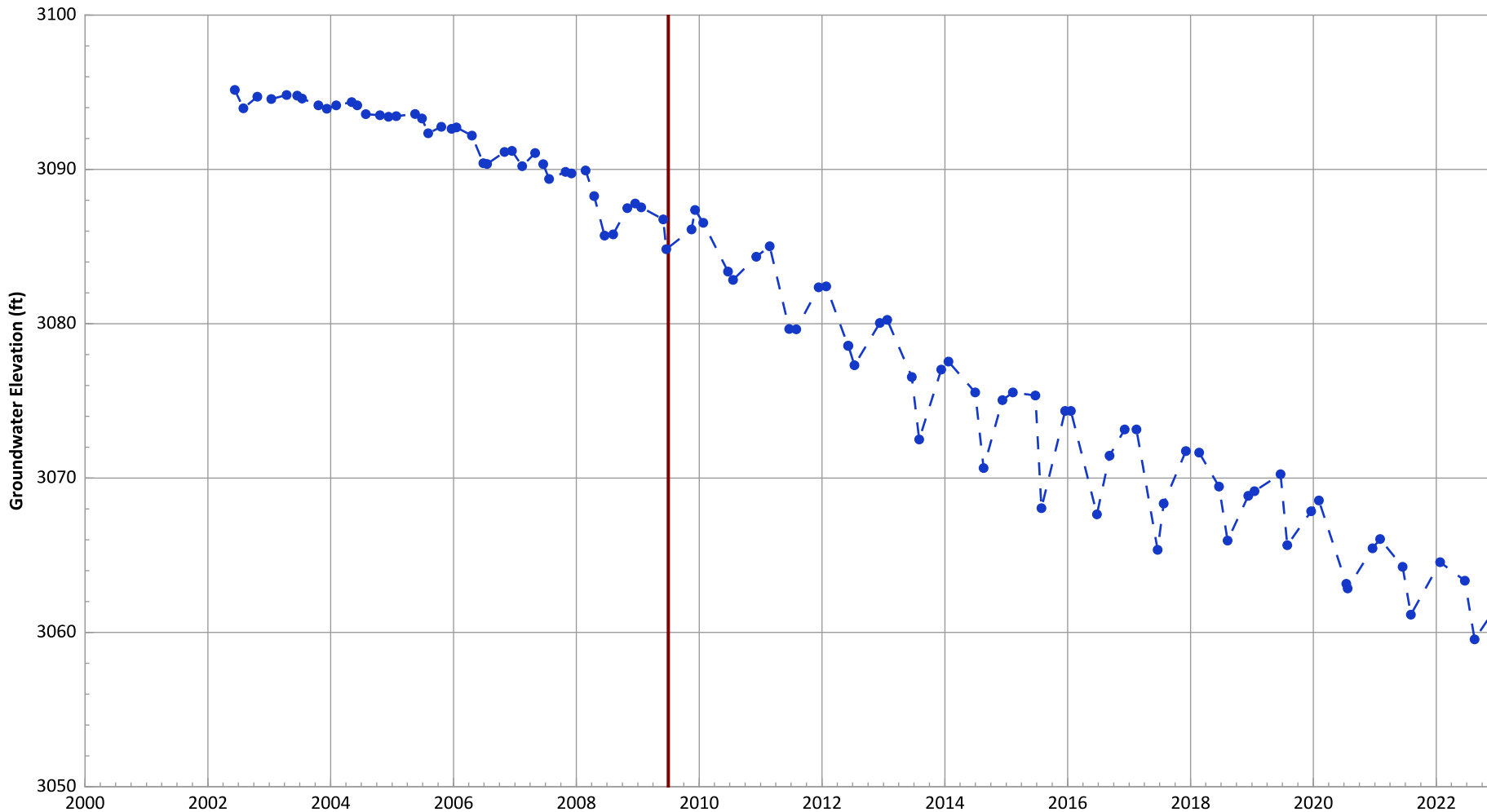


Ogallala Groundwater Water Level Trends

Well	Easting	Northing	Num_AD	Slope_AD	Trend_AD	Change_AD	Num_L2Y	Slope_L2Y	Trend_L2Y	Change_L2Y	Num_SSRA	Slope_SSRA	Trend_SSRA	Change_SSRA	Num_5YRP	Slope_5YRP	Trend_5YRP	Change_5YRP
PTX01-1010	630576.88	3771397.26	92	-1.81	Decreasing	-34	7	-2.50	Decreasing	-7.4	50	-1.84	Decreasing	-24.96	19	-1.66	Decreasing	-12
PTX01-1011	629986.45	3771397.29	84	-1.69	Decreasing	-31.88	7	-2.28	Decreasing	-4	53	-1.79	Decreasing	-20.82	21	-1.83	Decreasing	-8.6
PTX01-1012	632664.21	3773264.13	74	-1.93	Decreasing	-31.5	6	0.04	No Trend	-4.5	48	-1.99	Decreasing	-21.06	18	-0.87	Decreasing	-9.7
PTX01-1013	628976.89	3773218.25	91	-1.90	Decreasing	-30.47	6	-0.04	No Trend	-4.4	48	-1.92	Decreasing	-23.07	18	-1.23	Decreasing	-10
PTX06-1043	640711.00	3765225.21	74	-1.11	Decreasing	-23.48	8	-1.10	Decreasing	-2	49	-1.28	Decreasing	-14.1	20	-0.97	Decreasing	-5.5
PTX06-1044	642706.18	3764538.54	82	-1.72	Decreasing	-33.46	8	-1.54	Decreasing	-2.7	51	-1.81	Decreasing	-20.65	20	-1.47	Decreasing	-7.6
PTX06-1056	643767.03	3754642.87	98	-0.42	Decreasing	-7.66	8	-1.13	Decreasing	-0.7	64	-0.54	Decreasing	-5.64	26	-0.69	Decreasing	-2.4
PTX06-1057A	629630.04	3768142.23	71	-1.31	Decreasing	-25.79	6	-1.37	Decreasing	-1.9	40	-1.41	Decreasing	-16.64	17	-1.41	Decreasing	-6.3
PTX06-1058	624894.00	3759747.11	67	-0.43	Decreasing	-8.87	6	-0.70	Decreasing	-0.65	37	-0.48	Decreasing	-5.19	15	-0.57	Decreasing	-2.15
PTX06-1059	628129.98	3760459.31	67	-0.98	Decreasing	-18.18	6	-1.00	Decreasing	-1.38	39	-1.00	Decreasing	-11.82	17	-1.01	Decreasing	-4.28
PTX06-1060	620969.93	3758599.72	62	0.17	Increasing	3.91	6	0.34	Increasing	0.5	41	0.18	Increasing	2.3	17	0.27	Increasing	1.3
PTX06-1061	625651.61	3773186.59	70	-1.78	Decreasing	-32.12	6	-1.01	Decreasing	-2.8	42	-1.76	Decreasing	-20.97	17	-2.02	Decreasing	-10.6
PTX06-1062A	633017.18	3771685.22	100	-1.62	Decreasing	-30.78	8	-1.66	Decreasing	-4.1	55	-1.74	Decreasing	-20.09	21	-1.77	Decreasing	-9.8
PTX06-1064	635900.45	3773557.90	90	-1.48	Decreasing	-27.64	6	-0.43	Decreasing	0.3	51	-1.61	Decreasing	-18.9	20	-1.92	Decreasing	-8.9
PTX06-1068	643403.70	3773360.30	98	-1.67	Decreasing	-32.7	9	-1.84	Decreasing	-3.7	58	-1.55	Decreasing	-19.18	23	-2.25	Decreasing	-10.3
PTX06-1072	635047.45	3758434.63	74	-0.75	Decreasing	-15.42	8	-0.96	Decreasing	-1.6	52	-0.72	Decreasing	-9.19	21	-0.80	Decreasing	-4
PTX06-1075	630512.54	3753624.01	67	0.13	Increasing	1.74	6	0.26	Increasing	0	40	0.11	Increasing	2.21	17	0.07	No Trend	0.3
PTX06-1076	637327.32	3752978.41	83	0.11	Increasing	1.25	9	0.17	Increasing	0.1	54	0.14	Increasing	1.97	23	0.09	No Trend	0.4
PTX06-1137A	647900.89	3758635.67	53	-1.47	Decreasing	-17.5	8	-1.42	Decreasing	-1.9	52	-1.47	Decreasing	-16.77	22	-1.36	Decreasing	-6.1
PTX06-1138	646285.31	3760503.82	54	-1.32	Decreasing	-15.68	8	-1.40	Decreasing	-2.1	53	-1.33	Decreasing	-15.48	23	-1.26	Decreasing	-5.9
PTX06-1139	646768.73	3756376.08	53	-0.95	Decreasing	-10.59	8	-0.78	Decreasing	-1.3	52	-0.95	Decreasing	-11.11	22	-0.57	Decreasing	-2.8
PTX06-1140	646959.38	3762807.67	54	-2.29	Decreasing	-26.31	8	-1.73	Decreasing	-2.7	53	-2.30	Decreasing	-25.74	22	-1.86	Decreasing	-8.6
PTX06-1141	633445.44	3766872.94	51	-1.36	Decreasing	-16.74	6	-1.75	Decreasing	-2.9	50	-1.36	Decreasing	-16.05	20	-1.48	Decreasing	-7.1
PTX06-1143	639244.72	3770496.78	54	-1.37	Decreasing	-15.13	8	-1.02	Decreasing	-1.1	53	-1.39	Decreasing	-15.72	22	-1.47	Decreasing	-7
PTX06-1144	640252.98	3773320.45	53	-1.30	Decreasing	-14.74	8	-0.50	Decreasing	-0.9	52	-1.32	Decreasing	-16.4	22	-1.75	Decreasing	-8.2
PTX06-1157	647101.97	3753701.98	52	-0.12	Decreasing	-0.32	8	-0.10	No Trend	-0.3	52	-0.12	Decreasing	-0.32	22	-0.24	Decreasing	-1
PTX07-1R01	627914.28	3764159.91	74	-1.15	Decreasing	-24.15	7	-1.49	Decreasing	-1.5	50	-1.24	Decreasing	-14.25	20	-1.27	Decreasing	-5.2



**PTX01-1010 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**

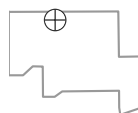


**Notes:**

1. Top of screen elevation is 3104.01 ft msl.
  2. The bottom of screen elevation is 2729.01 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

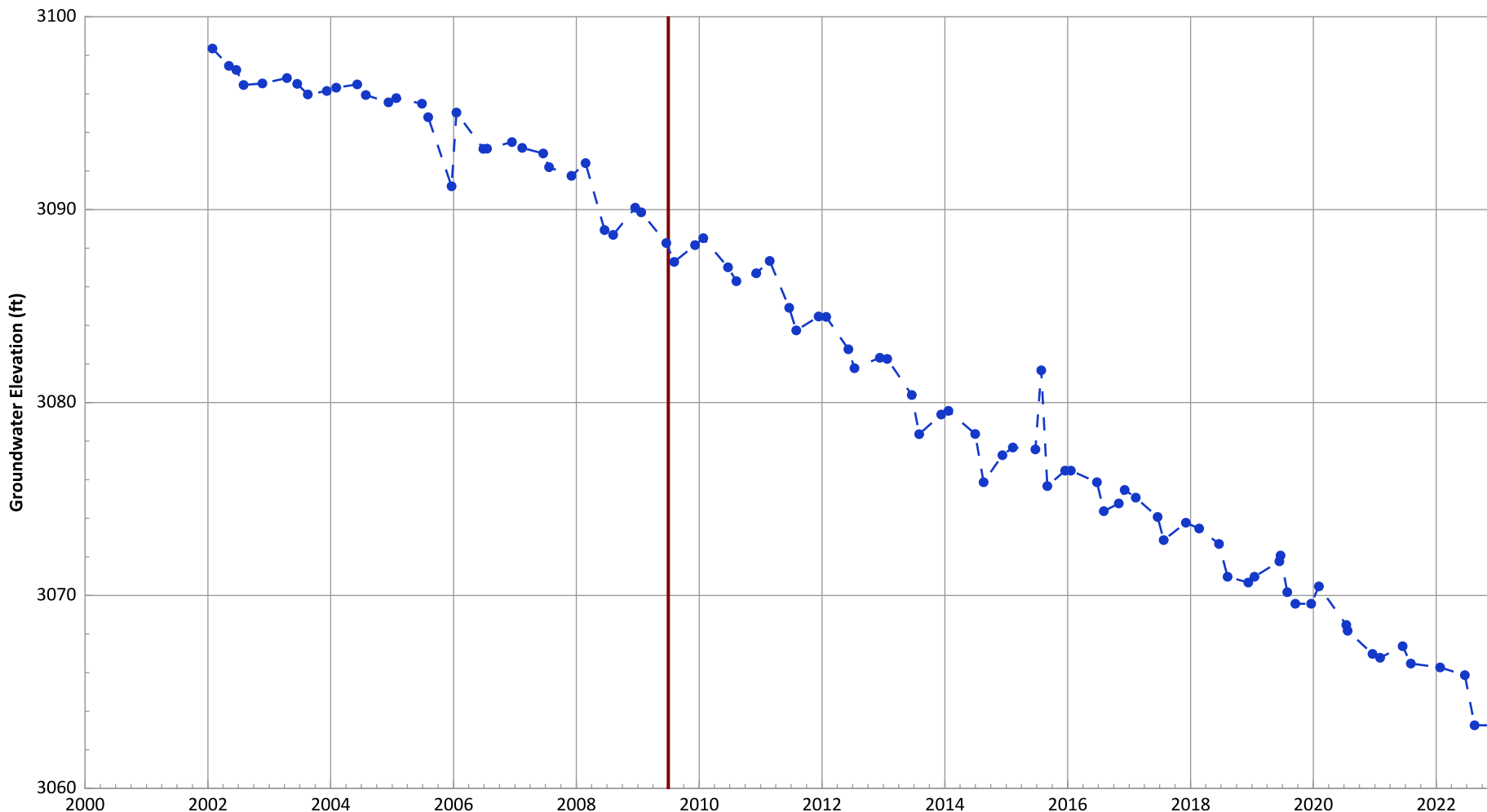
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 1.8 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 1.66 ft/yr

**PTX01-1011 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**

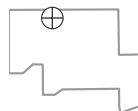


**Notes:**

1. Top of screen elevation is 3107.81 ft msl.
  2. The bottom of screen elevation is 2782.81 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

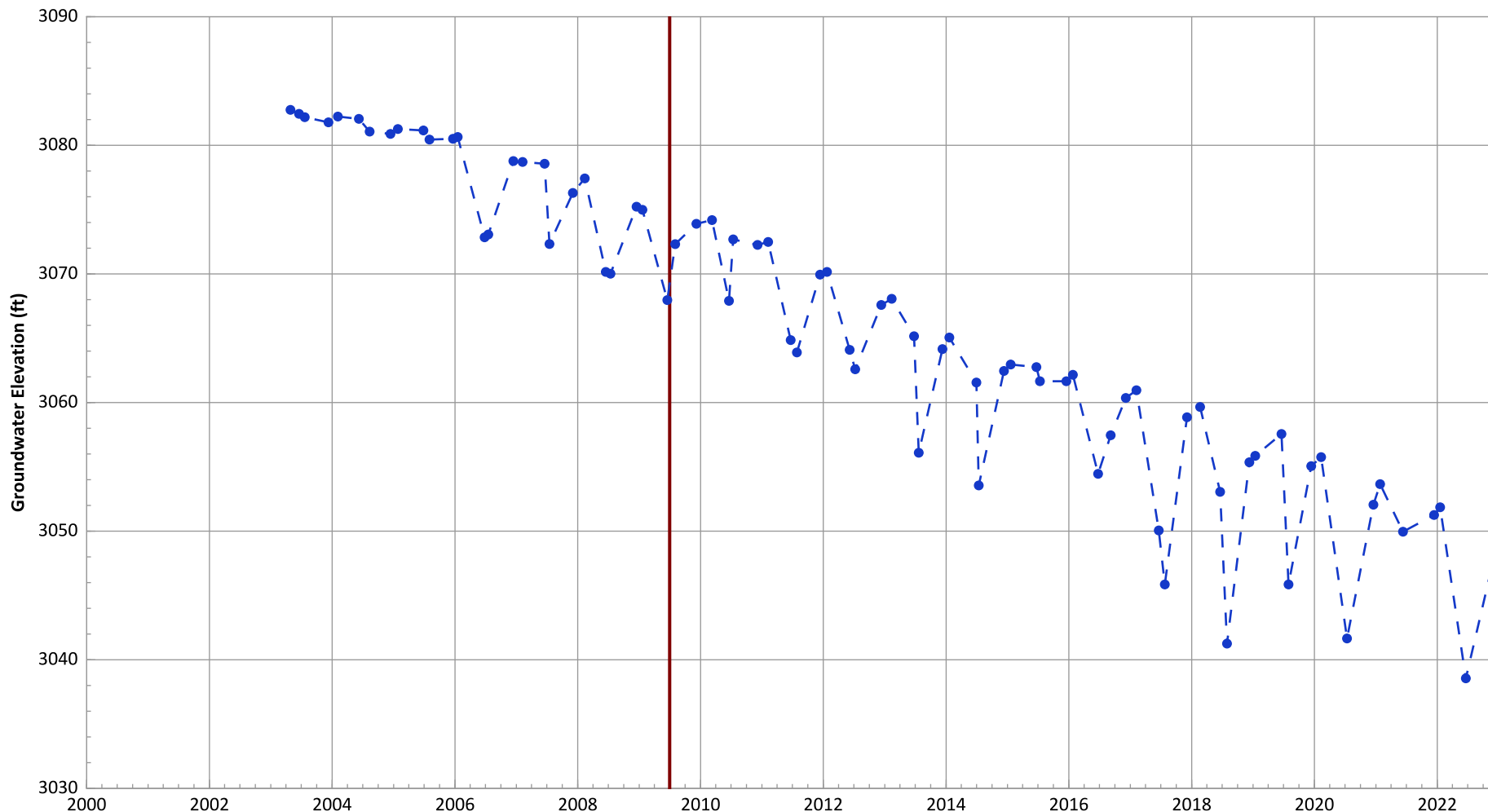
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 1.7 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 1.83 ft/yr

**PTX01-1012 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**

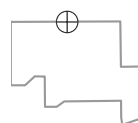


**Notes:**

1. Top of screen elevation is 3112.48 ft msl.
  2. The bottom of screen elevation is 2677.48 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

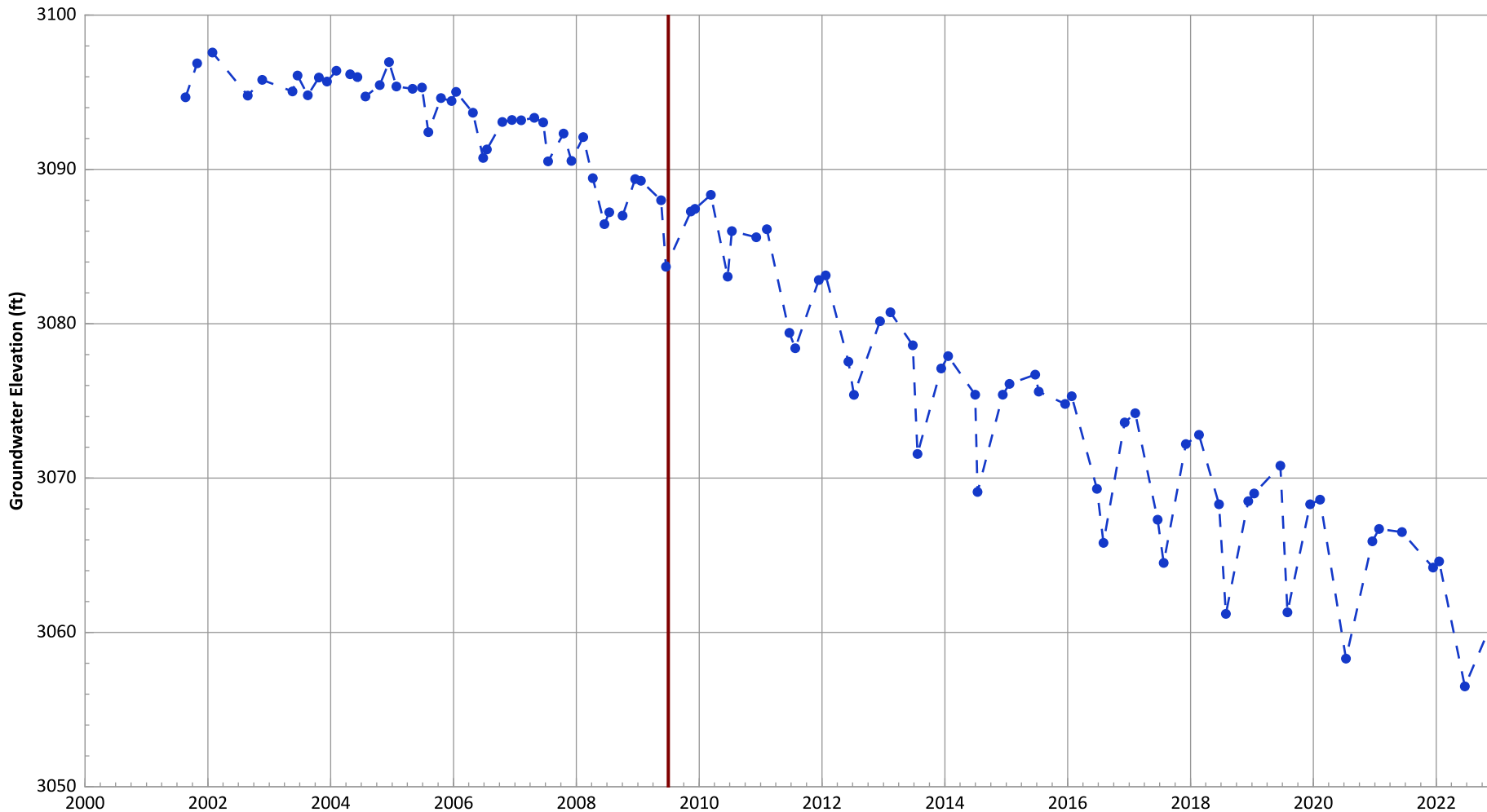
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 1.94 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.87 ft/yr

**PTX01-1013 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**

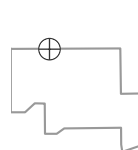


**Notes:**

1. Top of screen elevation is 3122.17 ft msl.
  2. The bottom of screen elevation is 2717.17 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

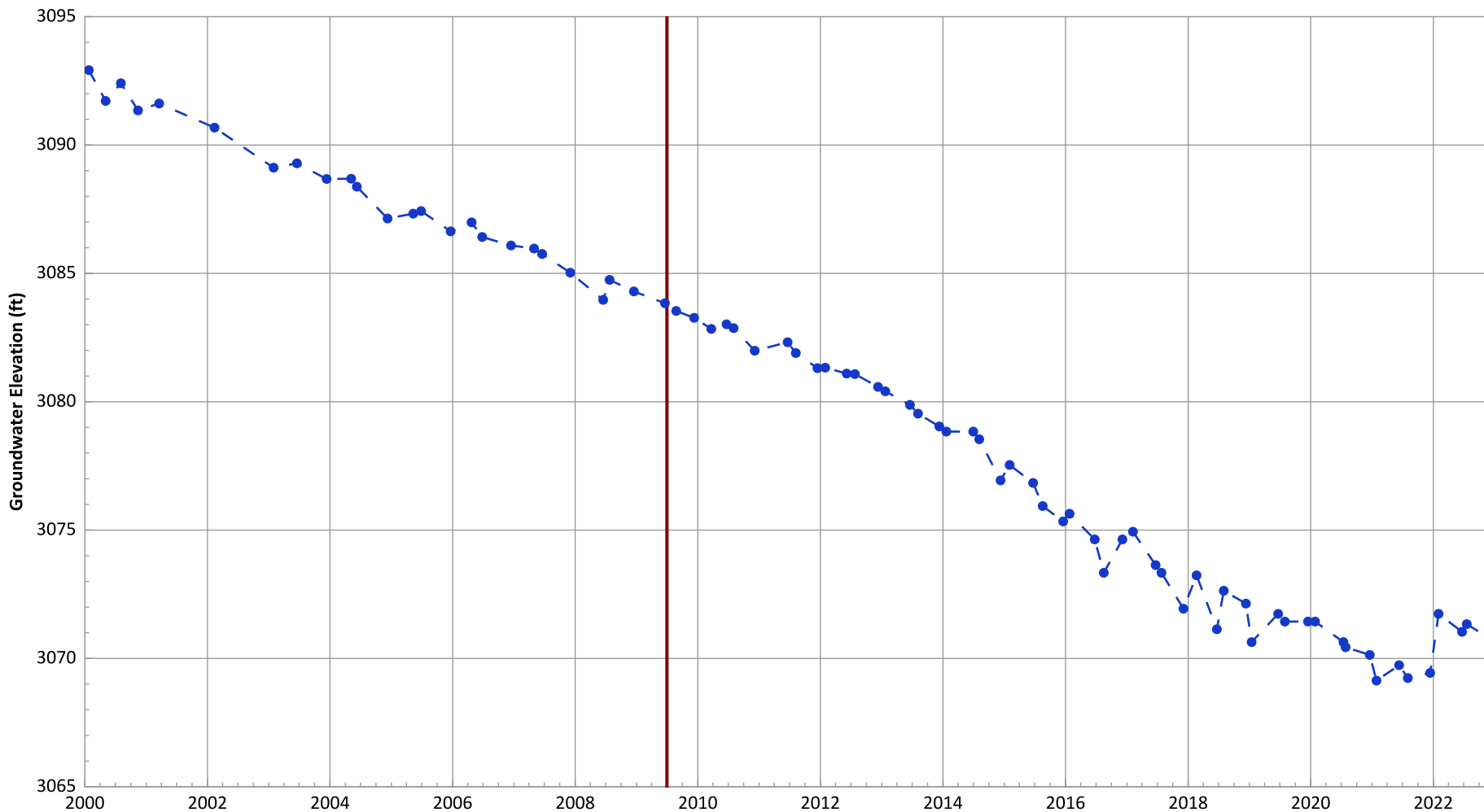
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 1.9 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 1.23 ft/yr

PTX06-1043 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3116.09 ft msl.
  2. The bottom of screen elevation is 2896.09 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

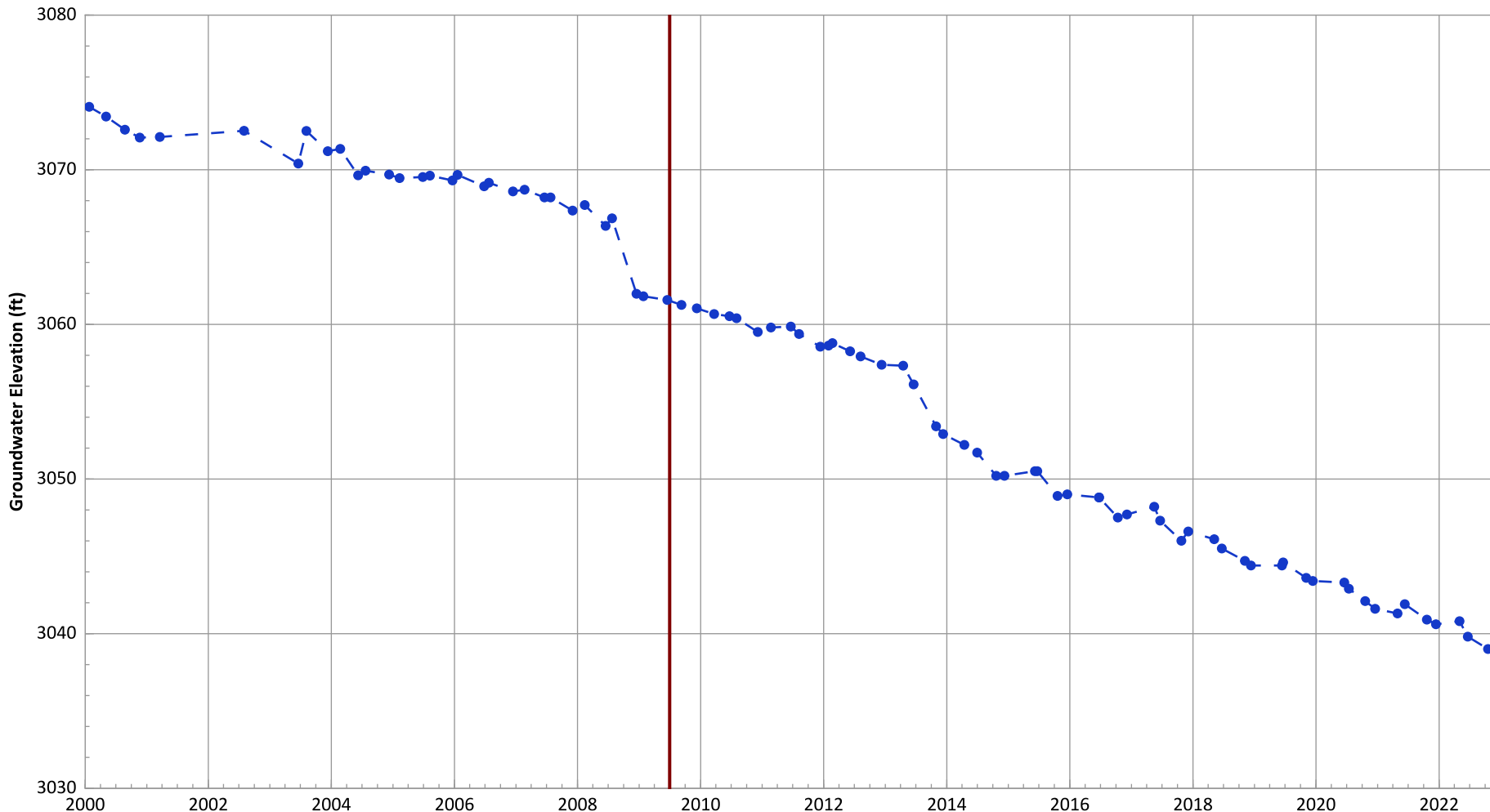
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.08 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.97 ft/yr

PTX06-1044 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3148.69 ft msl.
  2. The bottom of screen elevation is 2928.69 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

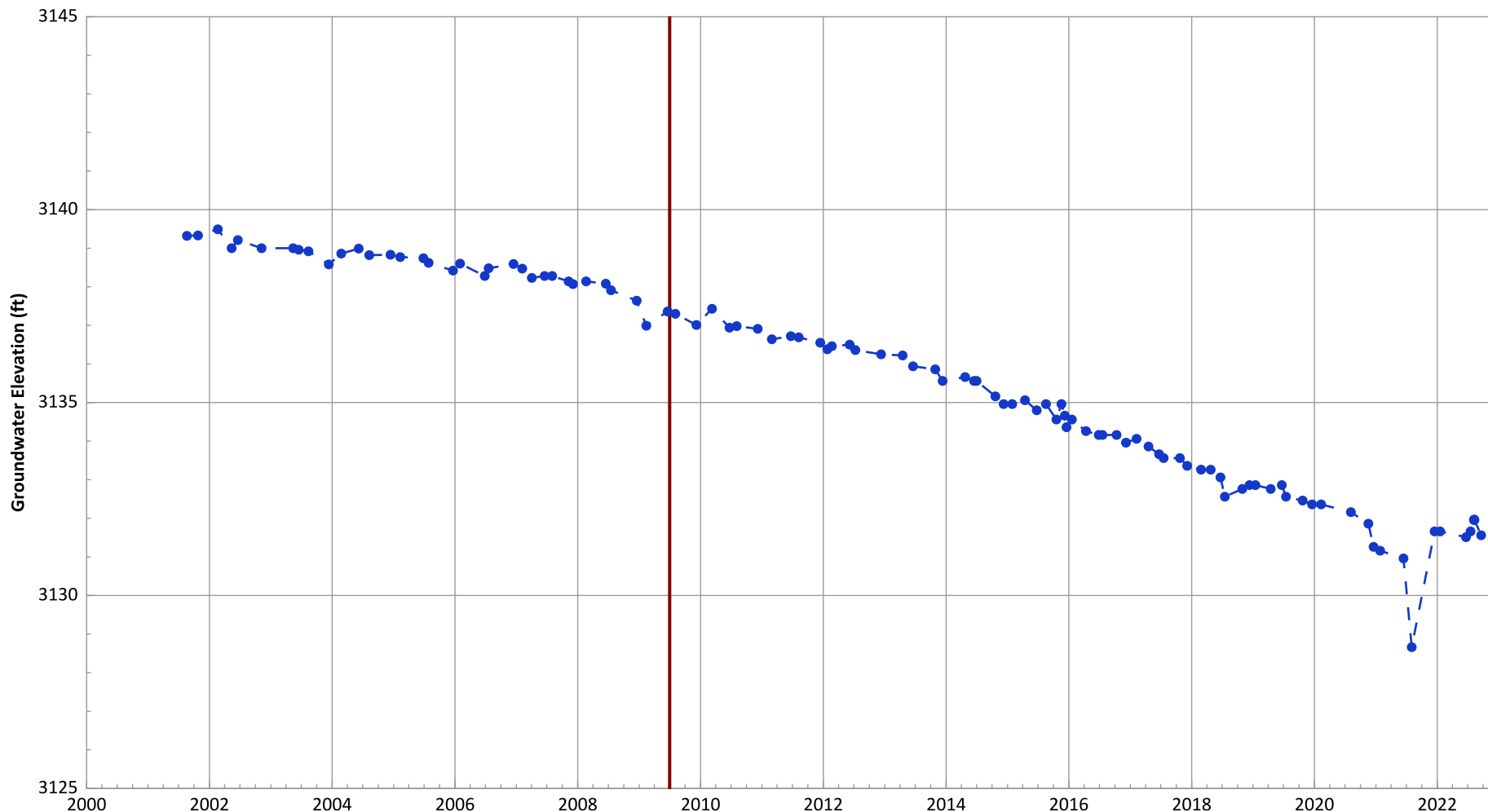
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.71 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.47 ft/yr

**PTX06-1056 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**

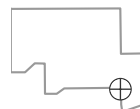


**Notes:**

1. Top of screen elevation is 3180.77 ft msl.
  2. The bottom of screen elevation is 3060.77 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

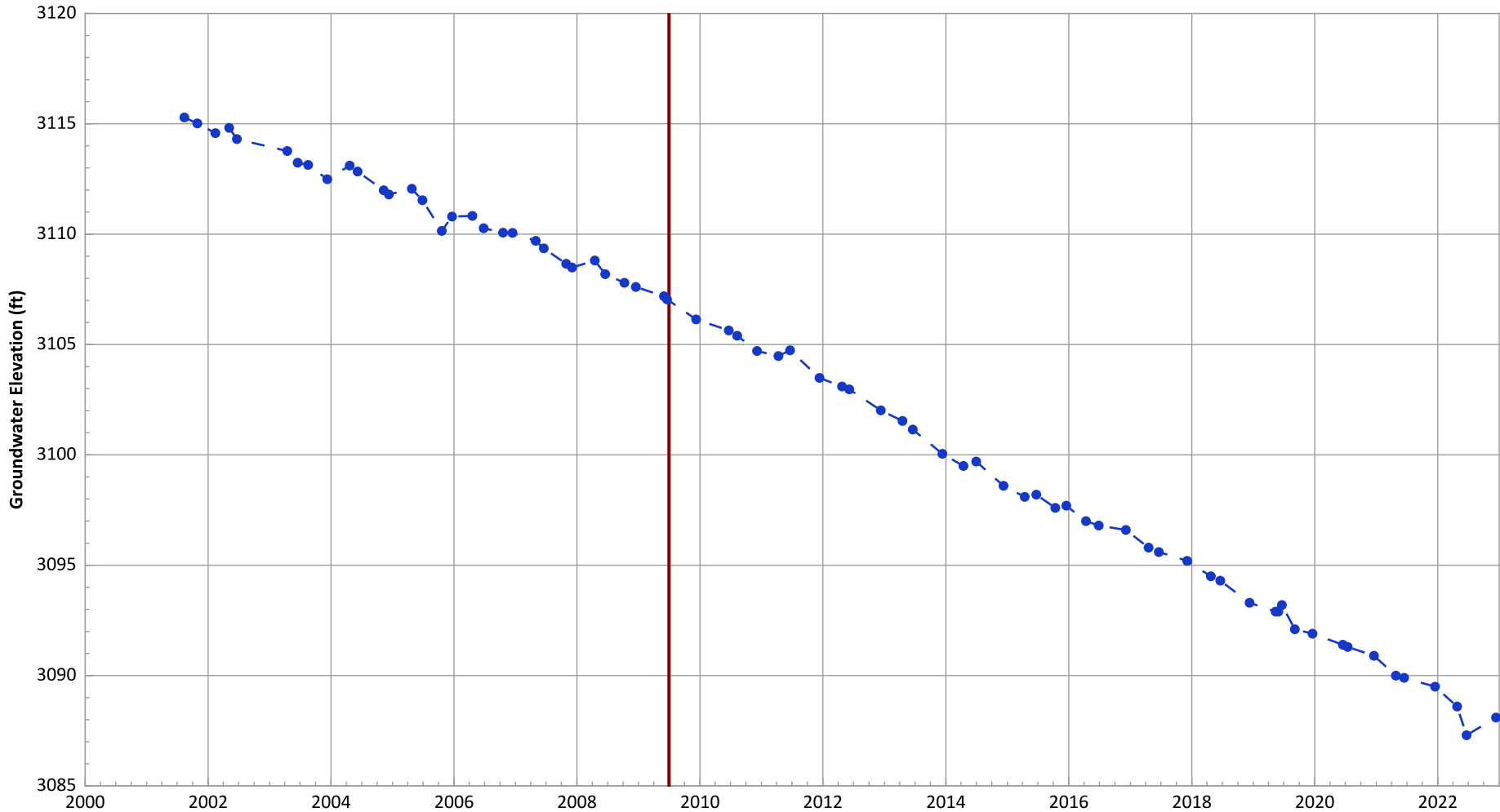
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 0.42 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.69 ft/yr

PTX06-1057A Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

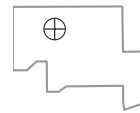


Notes:

1. Top of screen elevation is 3141.52 ft msl.
  2. The bottom of screen elevation is 2811.52 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

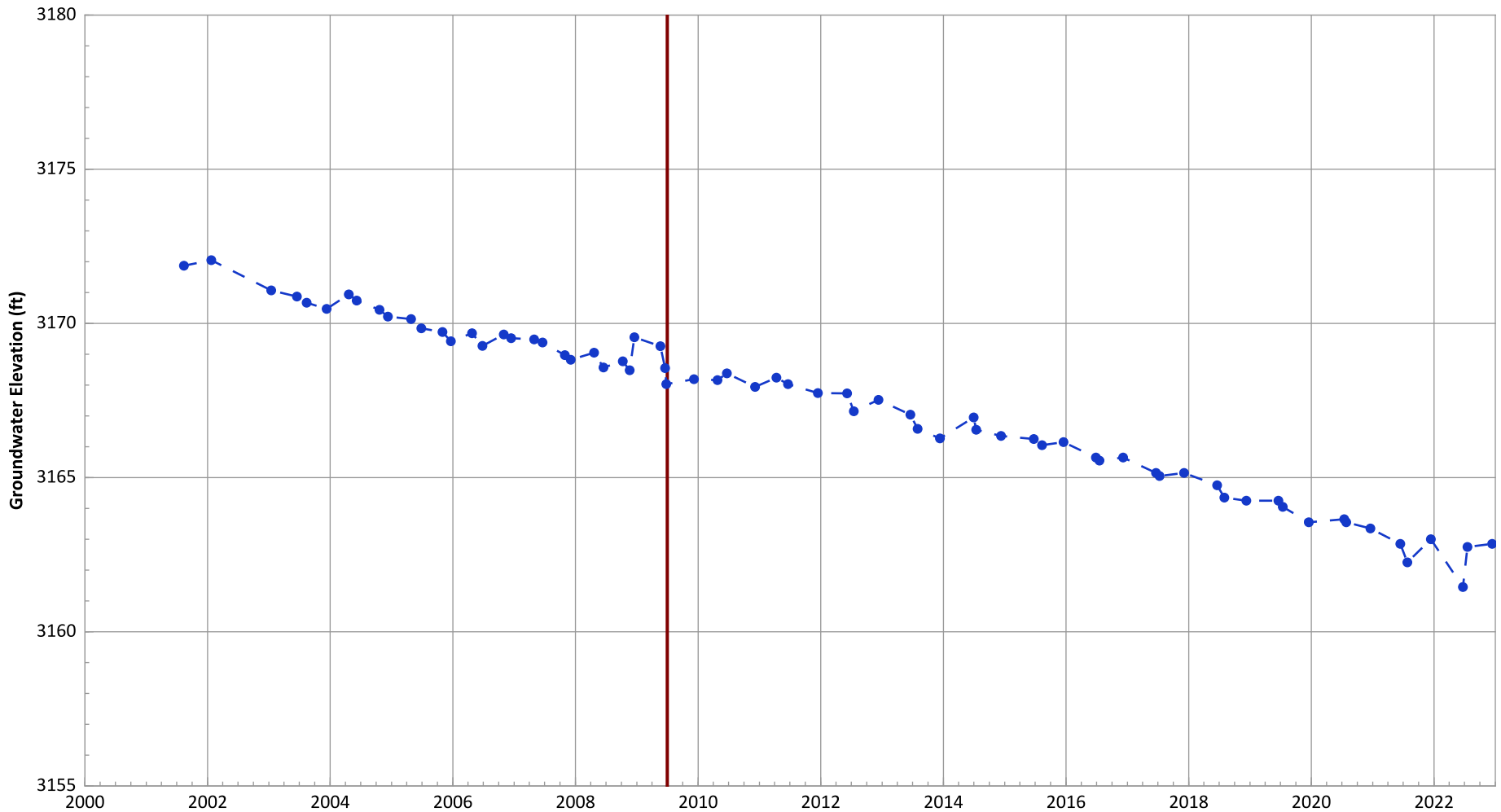


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.32 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.41 ft/yr



**PTX06-1058 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

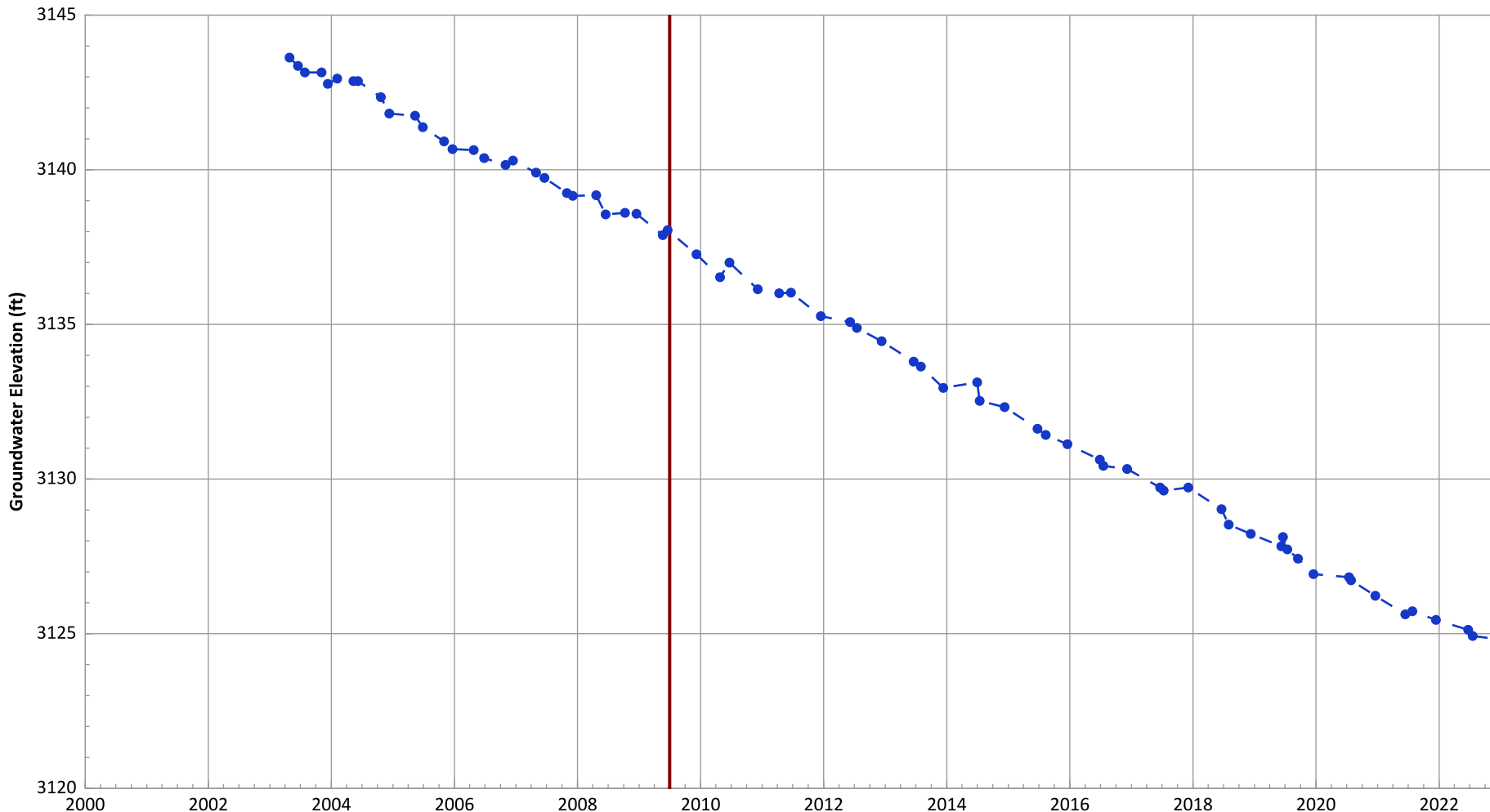
1. Top of screen elevation is 3188.45 ft msl.
  2. The bottom of screen elevation is 3038.45 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 0.43 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 0.57 ft/yr

PTX06-1059 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

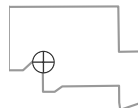


Notes:

1. Top of screen elevation is 3167.39 ft msl.
  2. The bottom of screen elevation is 3007.39 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

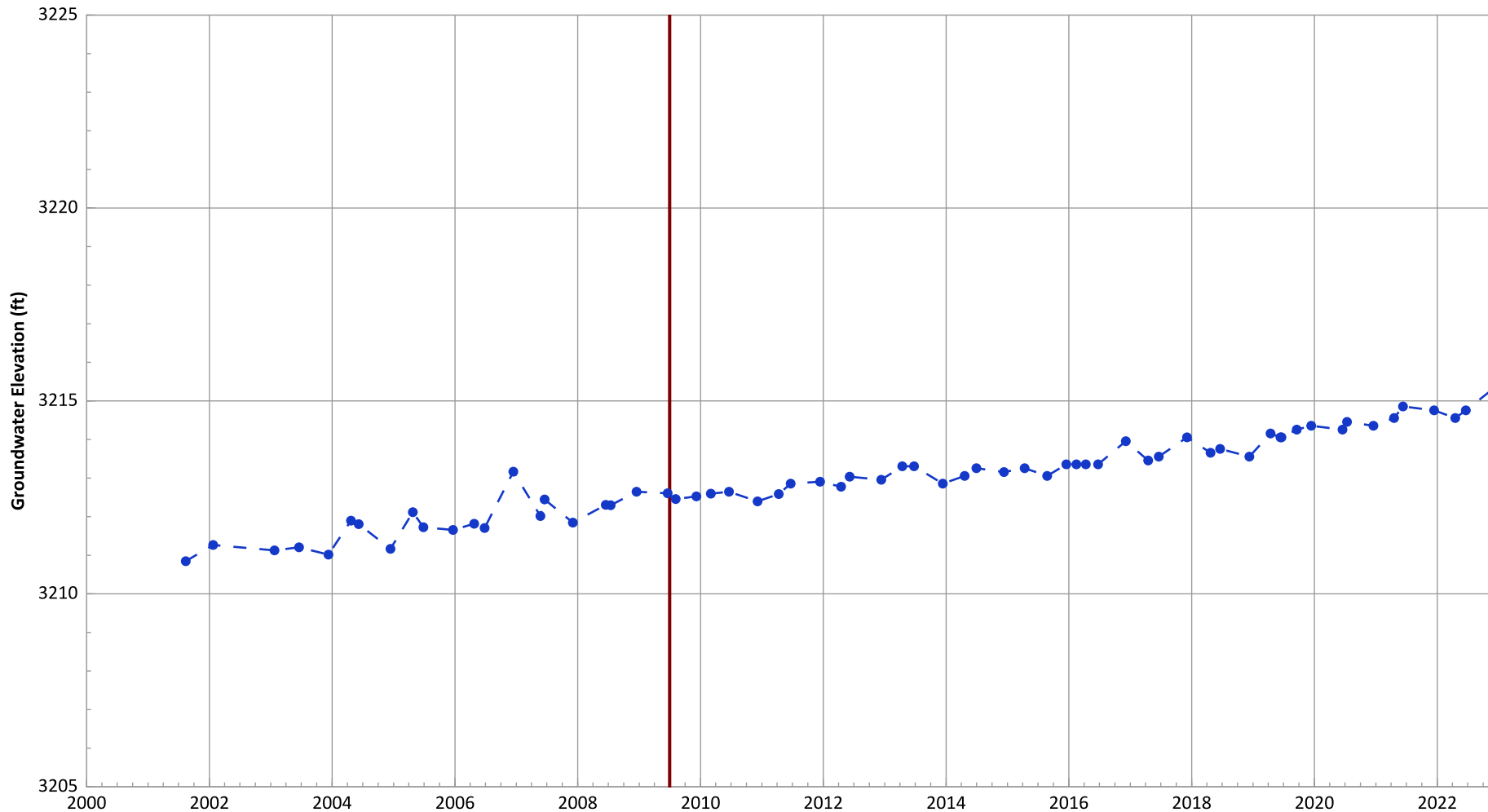
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.98 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.01 ft/yr

**PTX06-1060 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3191.81 ft msl.
  2. The bottom of screen elevation is 3066.81 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

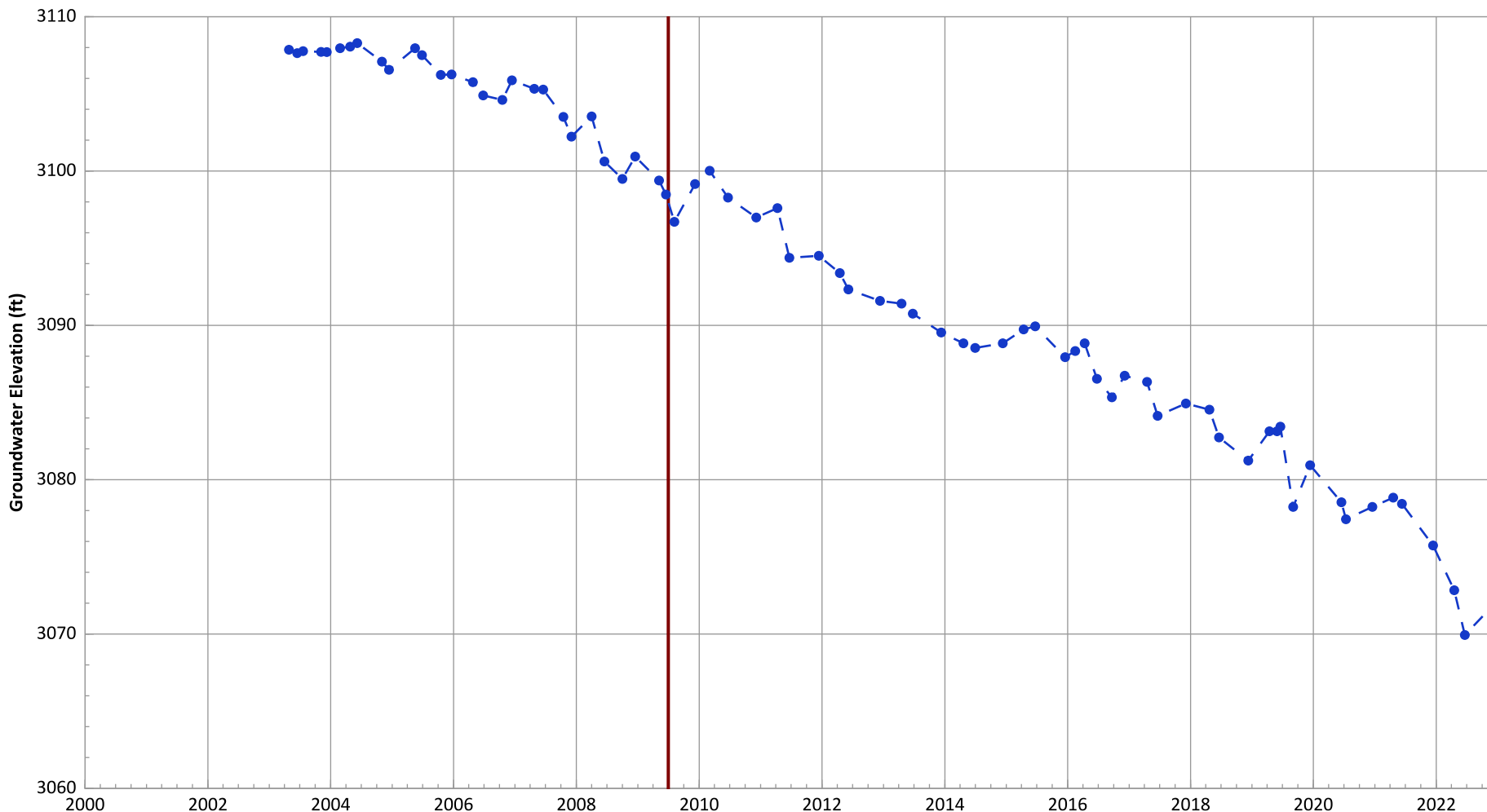
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Increasing at 0.17 ft/yr  
 Data (1/2017 - 1/2021): Increasing at 0.27 ft/yr

**PTX06-1061 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3124.65 ft msl.
  2. The bottom of screen elevation is 2729.65 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

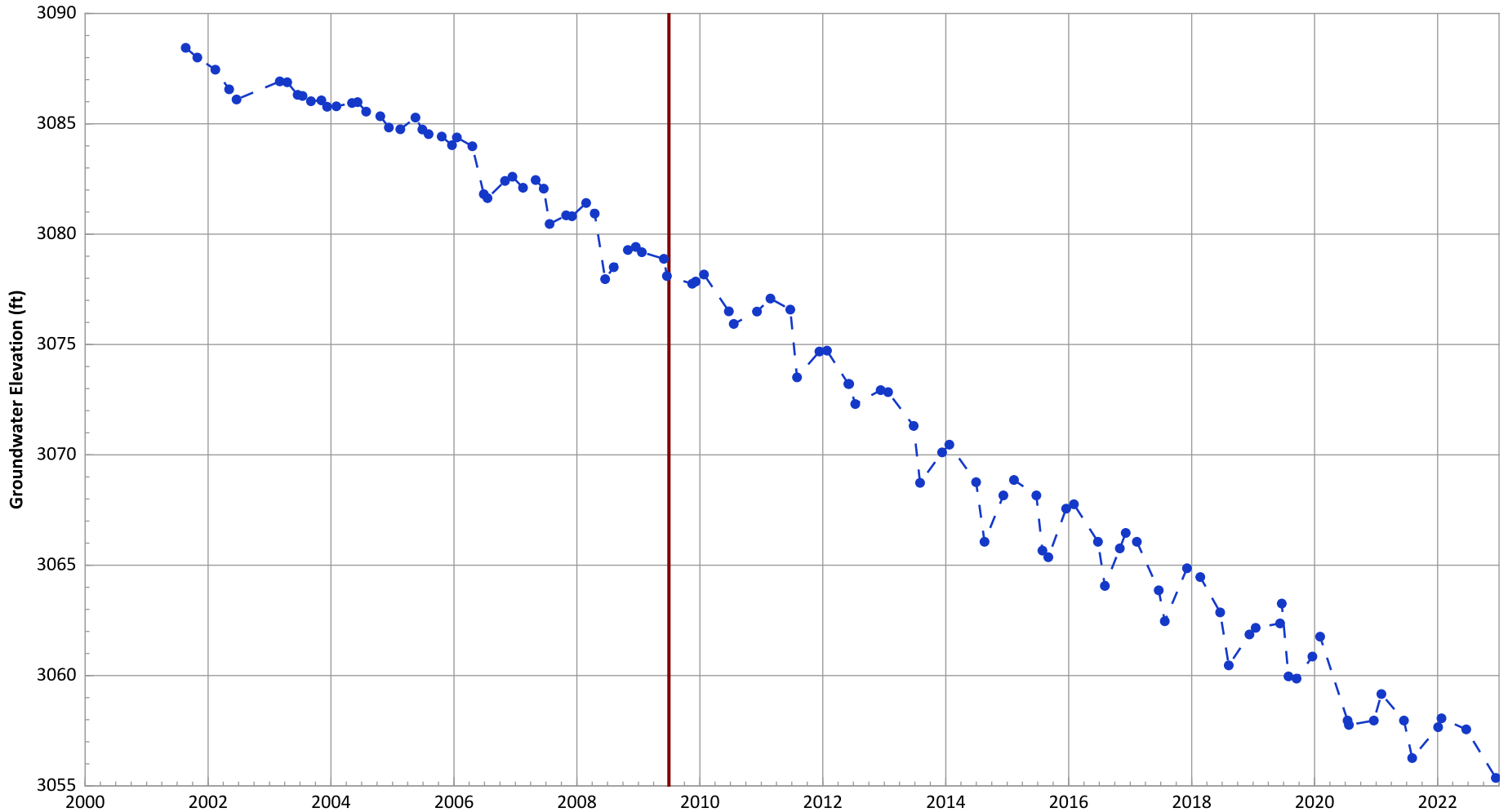
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 1.83 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 2.02 ft/yr

**PTX06-1062A Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

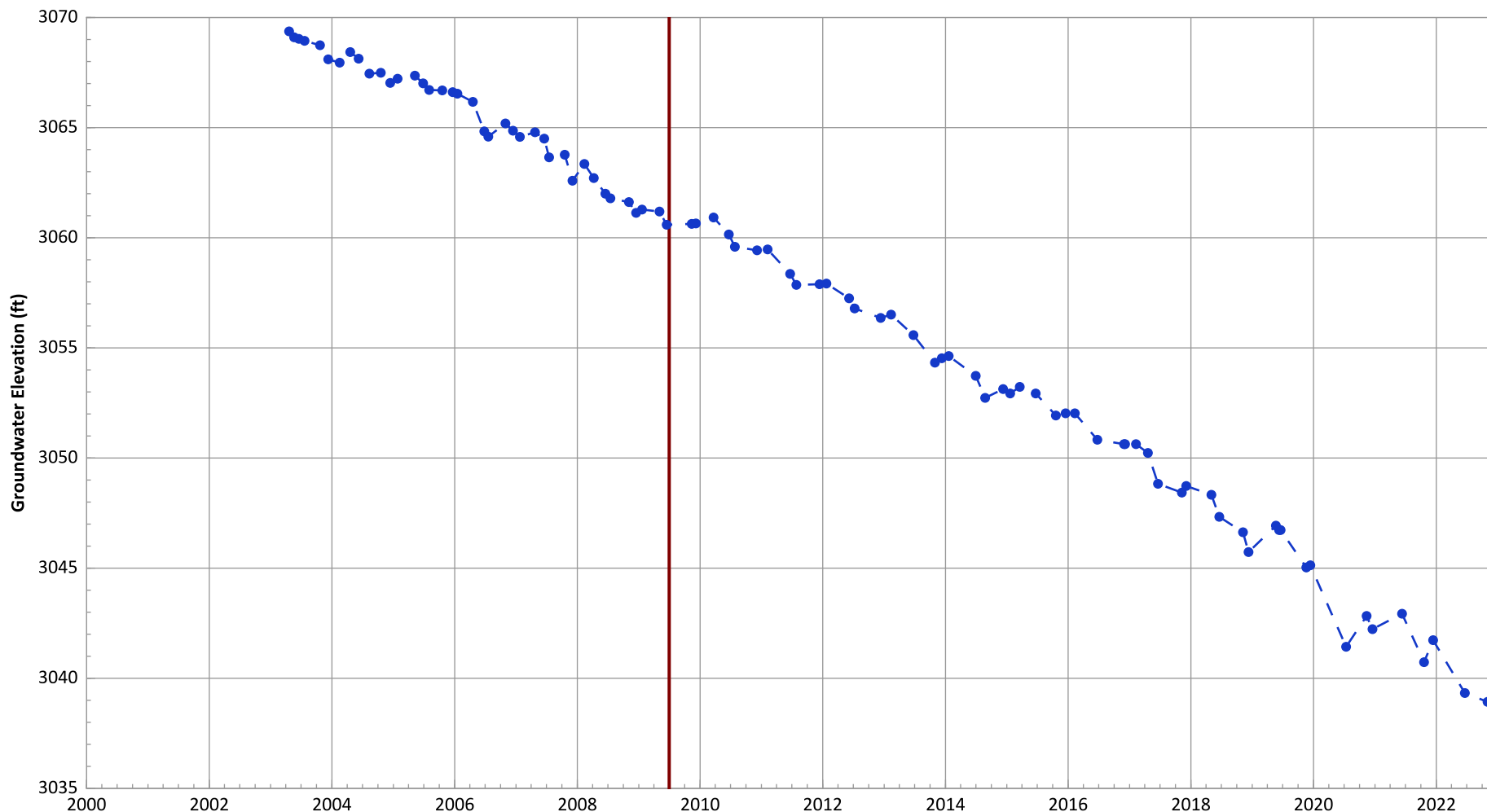
1. Top of screen elevation is 3103.89 ft msl.
  2. The bottom of screen elevation is 2683.89 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Decreasing at 1.62 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 1.77 ft/yr

PTX06-1064 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3121.99 ft msl.
  2. The bottom of screen elevation is 2771.99 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

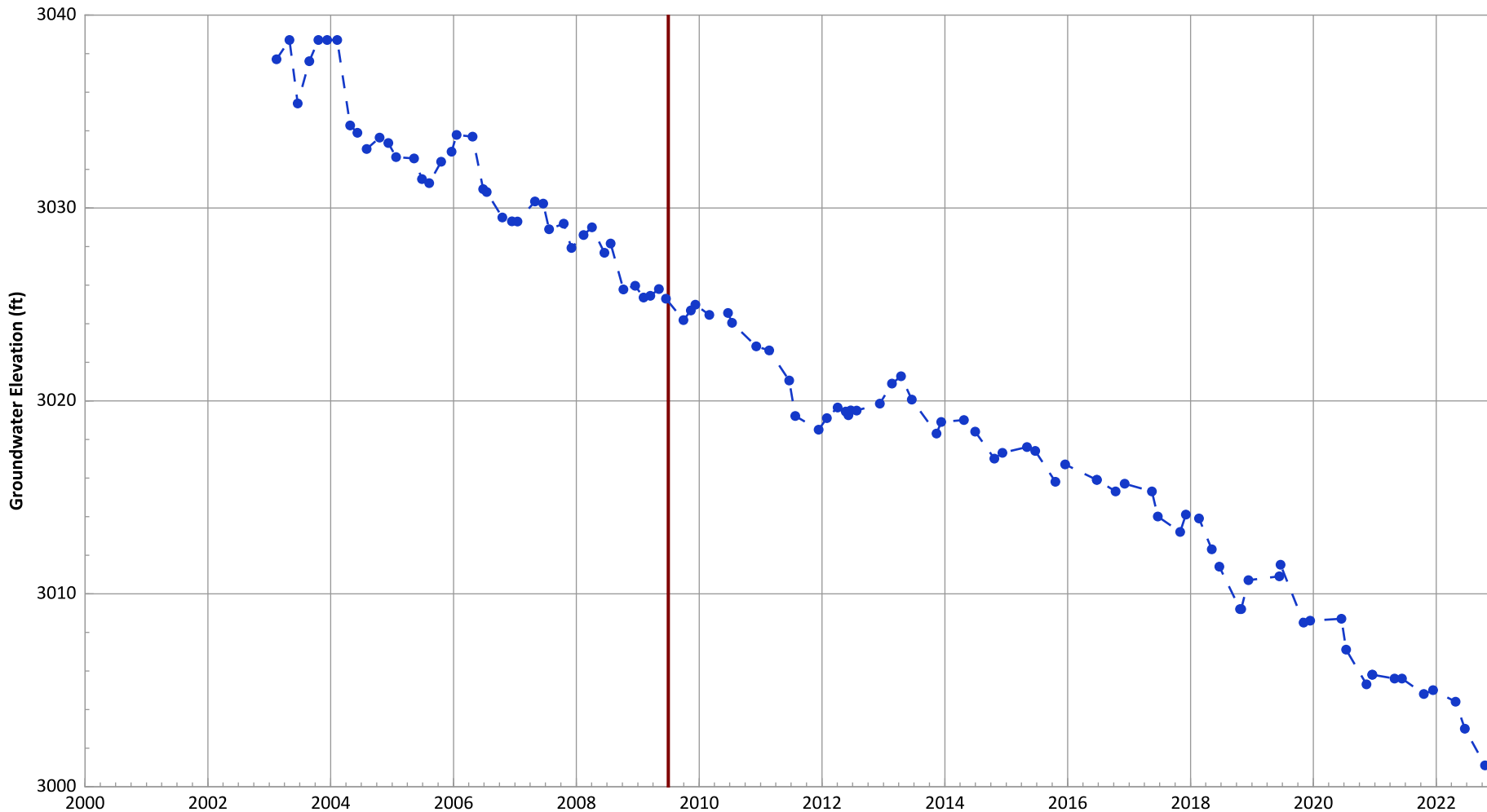
—●— Groundwater Elevation  
— Start of Remedial Action



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.5 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.92 ft/yr

**PTX06-1068 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3081.55 ft msl.
  2. The bottom of screen elevation is 2736.55 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

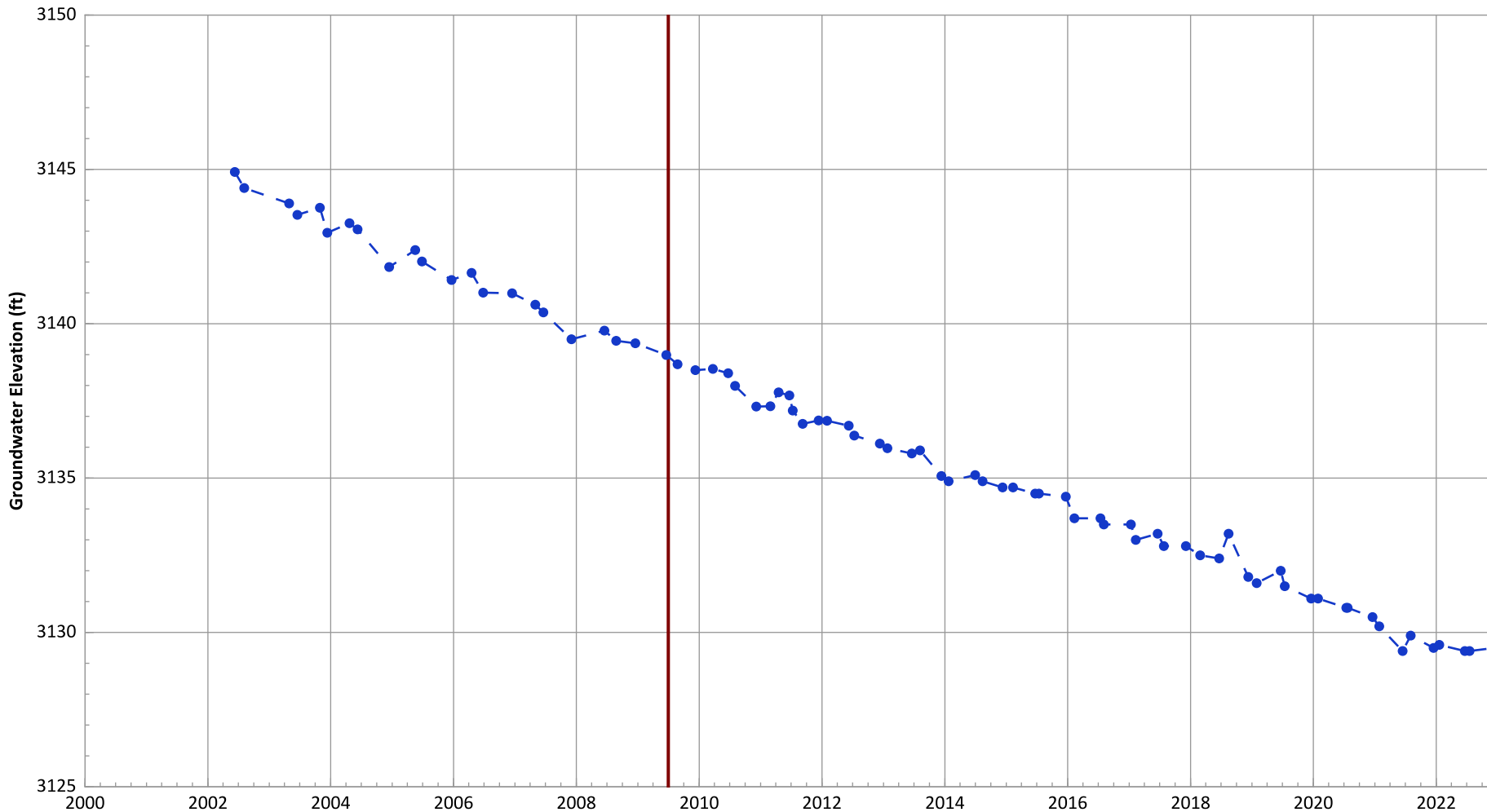
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.69 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 2.25 ft/yr

PTX06-1072 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

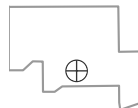


Notes:

1. Top of screen elevation is 3146.3 ft msl.
  2. The bottom of screen elevation is 3006.3 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

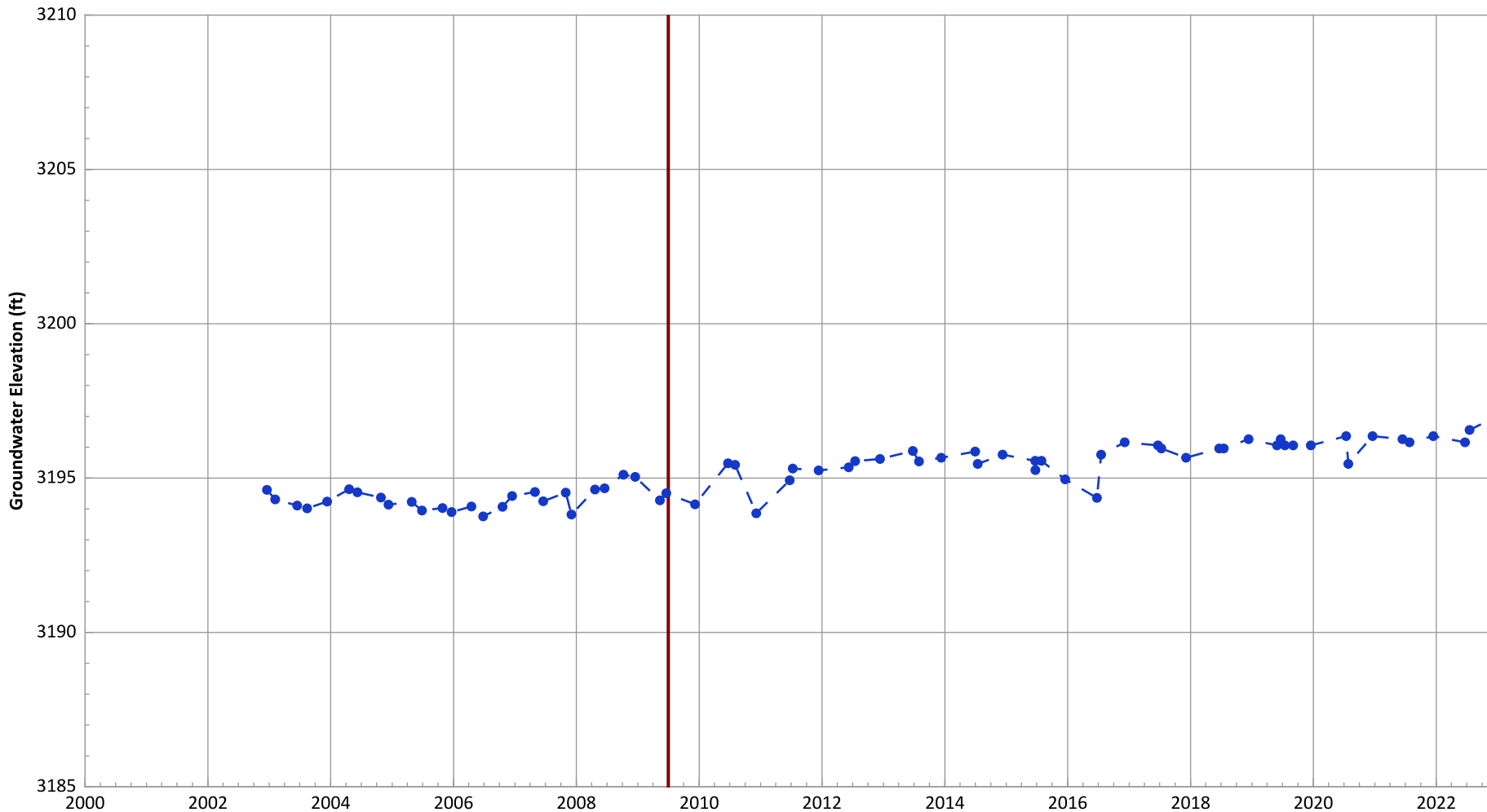


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.75 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.8 ft/yr



**PTX06-1075 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3193.11 ft msl.
  2. The bottom of screen elevation is 3133.11 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

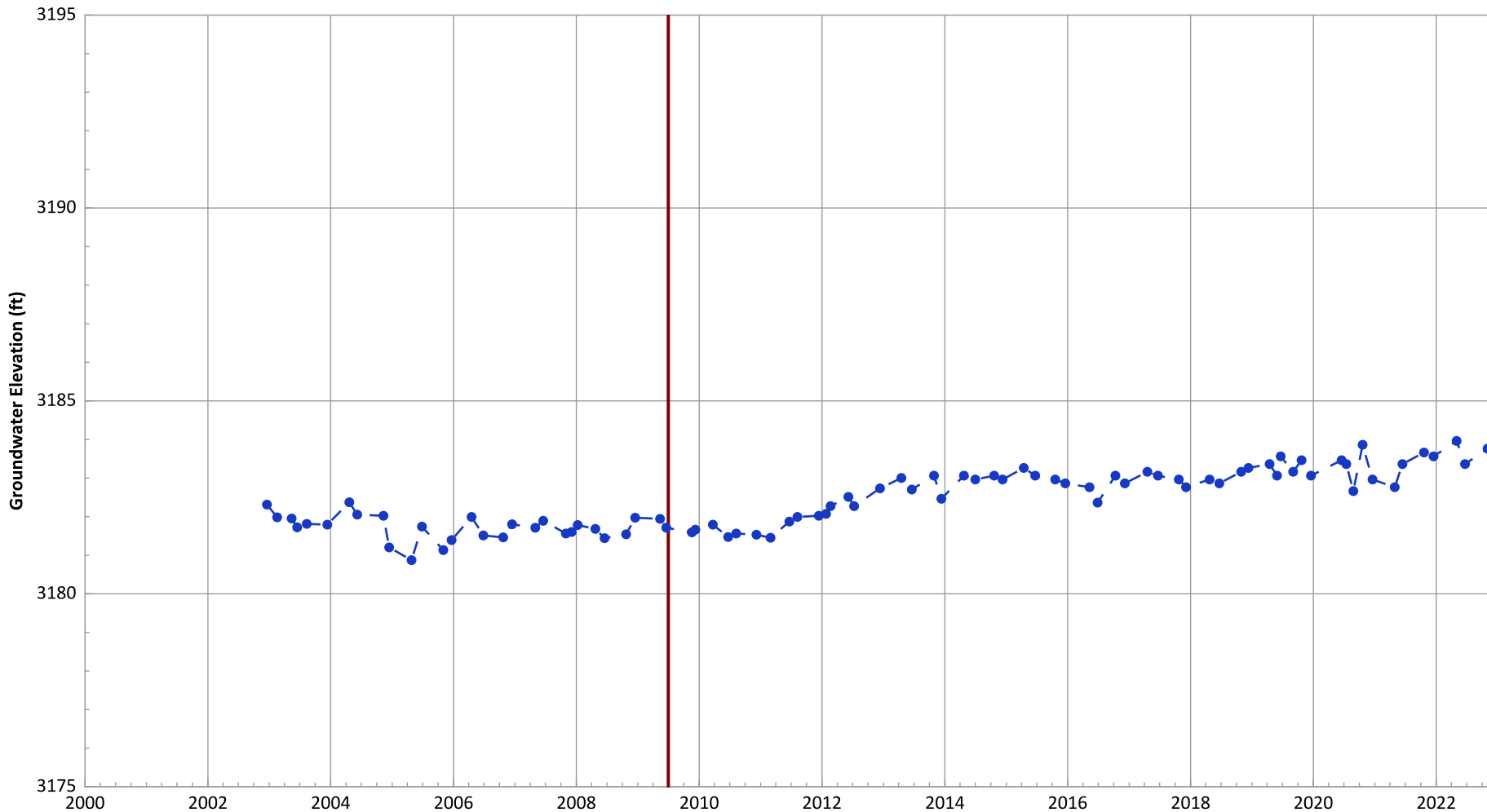
—●— Groundwater Elevation  
 — Start of Remedial Action

**Well Location**



**Hydrograph Trend**  
 (MAROS Linear Regression Method)  
 All Data: Increasing at 0.13 ft/yr  
 Data (1/2017 - 1/2021): No Trend

PTX06-1076 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

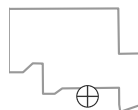


Notes:

1. Top of screen elevation is 3187.64 ft msl.
  2. The bottom of screen elevation is 3167.64 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

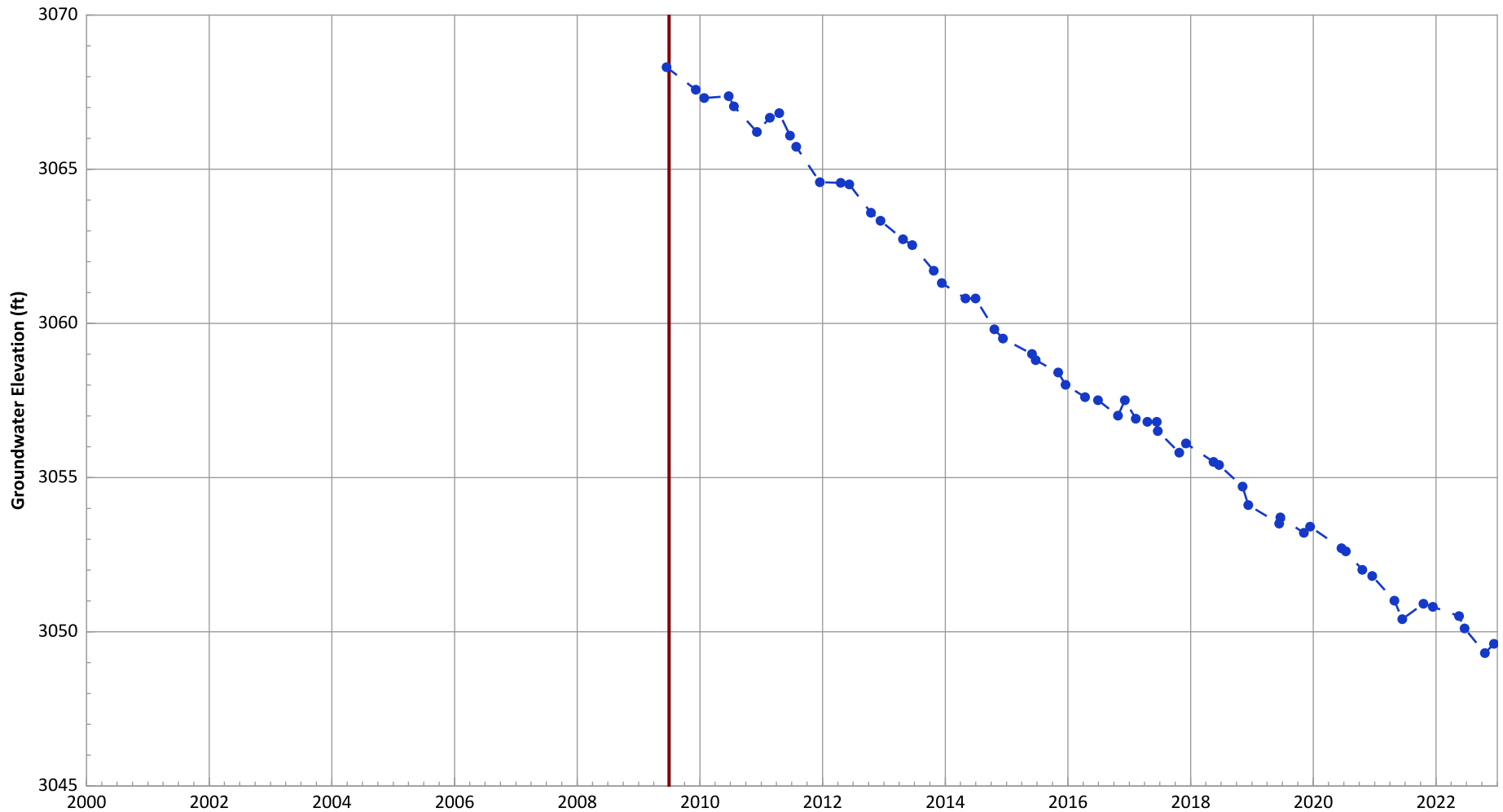
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Increasing at 0.11 ft/yr  
Data (1/2017 - 1/2021): No Trend

PTX06-1137A Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3107.5 ft msl.
  2. The bottom of screen elevation is 2952.5 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

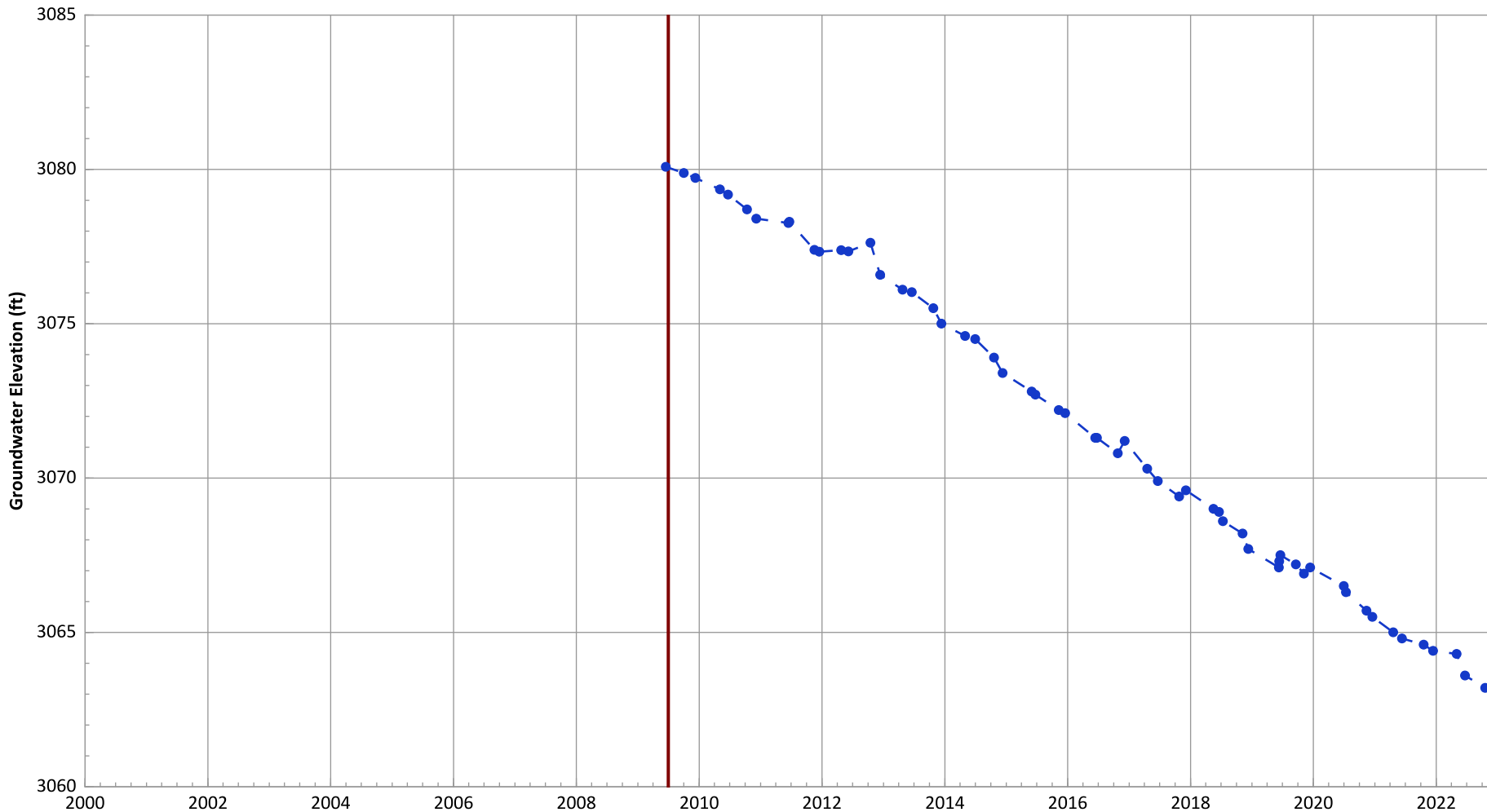
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.44 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.36 ft/yr

**PTX06-1138 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3094.47 ft msl.
  2. The bottom of screen elevation is 2949.47 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

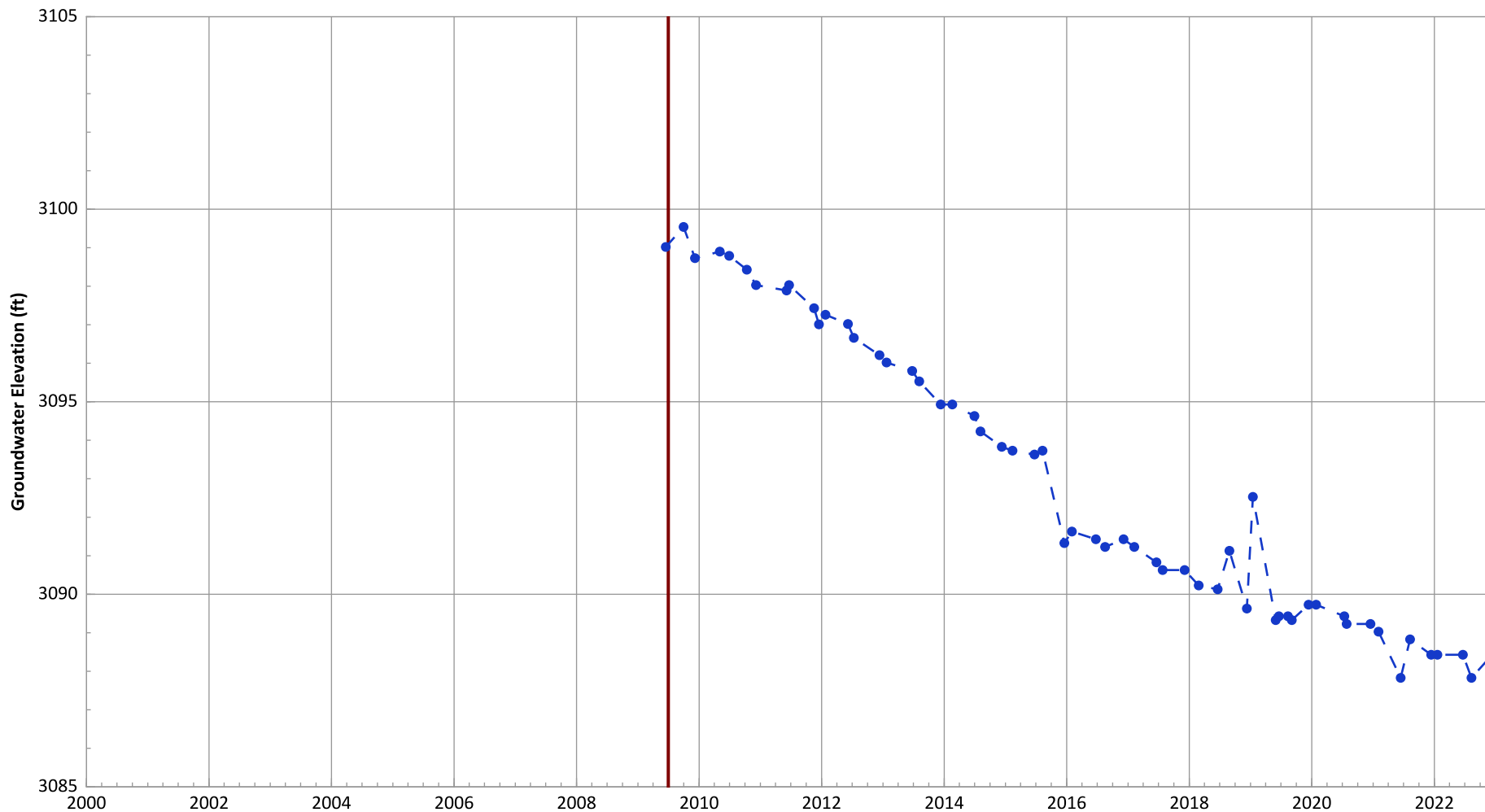
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 1.31 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 1.26 ft/yr

PTX06-1139 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3129.41 ft msl.
  2. The bottom of screen elevation is 2979.41 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

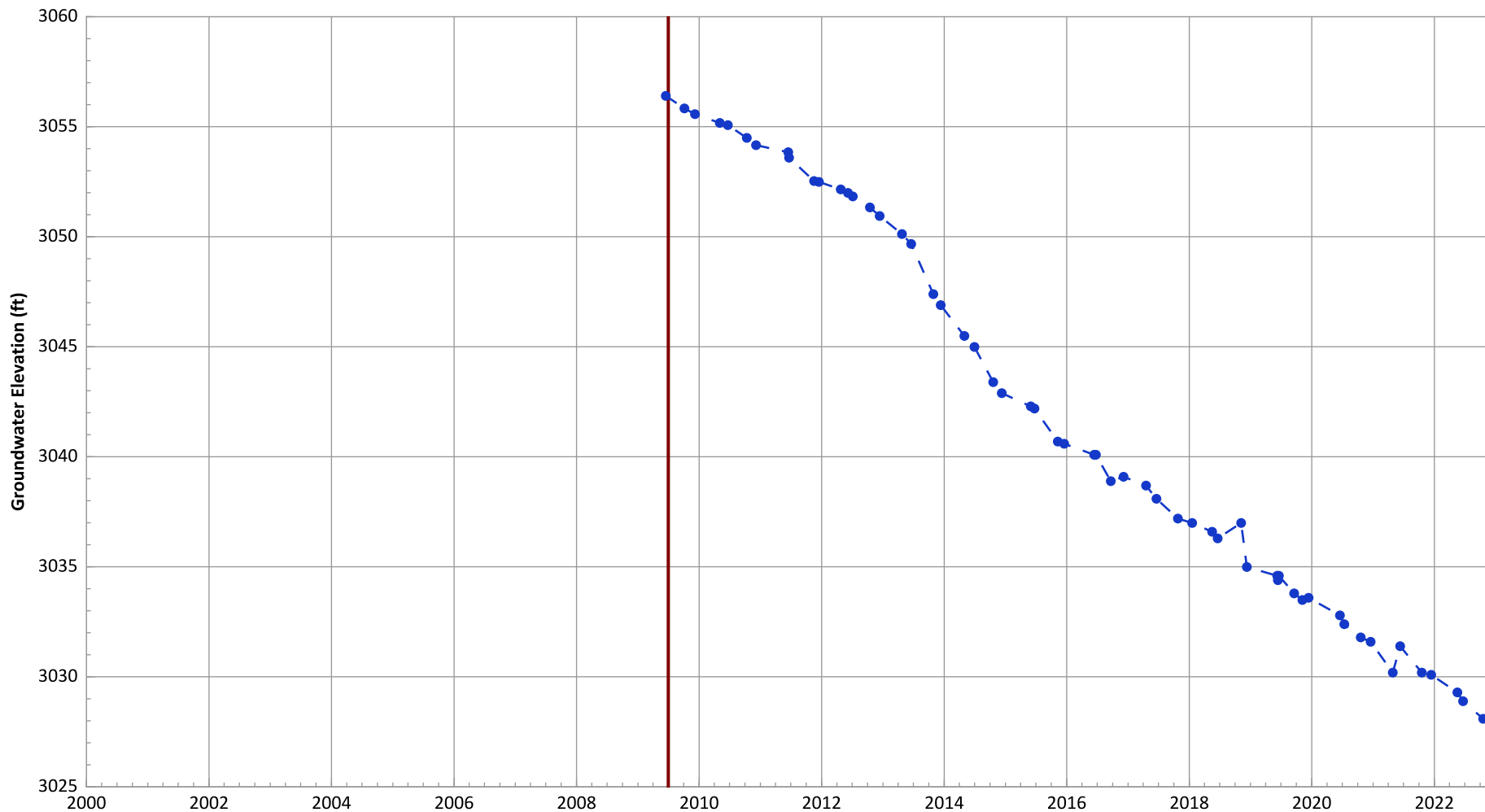
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.91 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.57 ft/yr

**PTX06-1140 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**



**Notes:**

1. Top of screen elevation is 3067.33 ft msl.
  2. The bottom of screen elevation is 2847.33 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
 — Start of Remedial Action

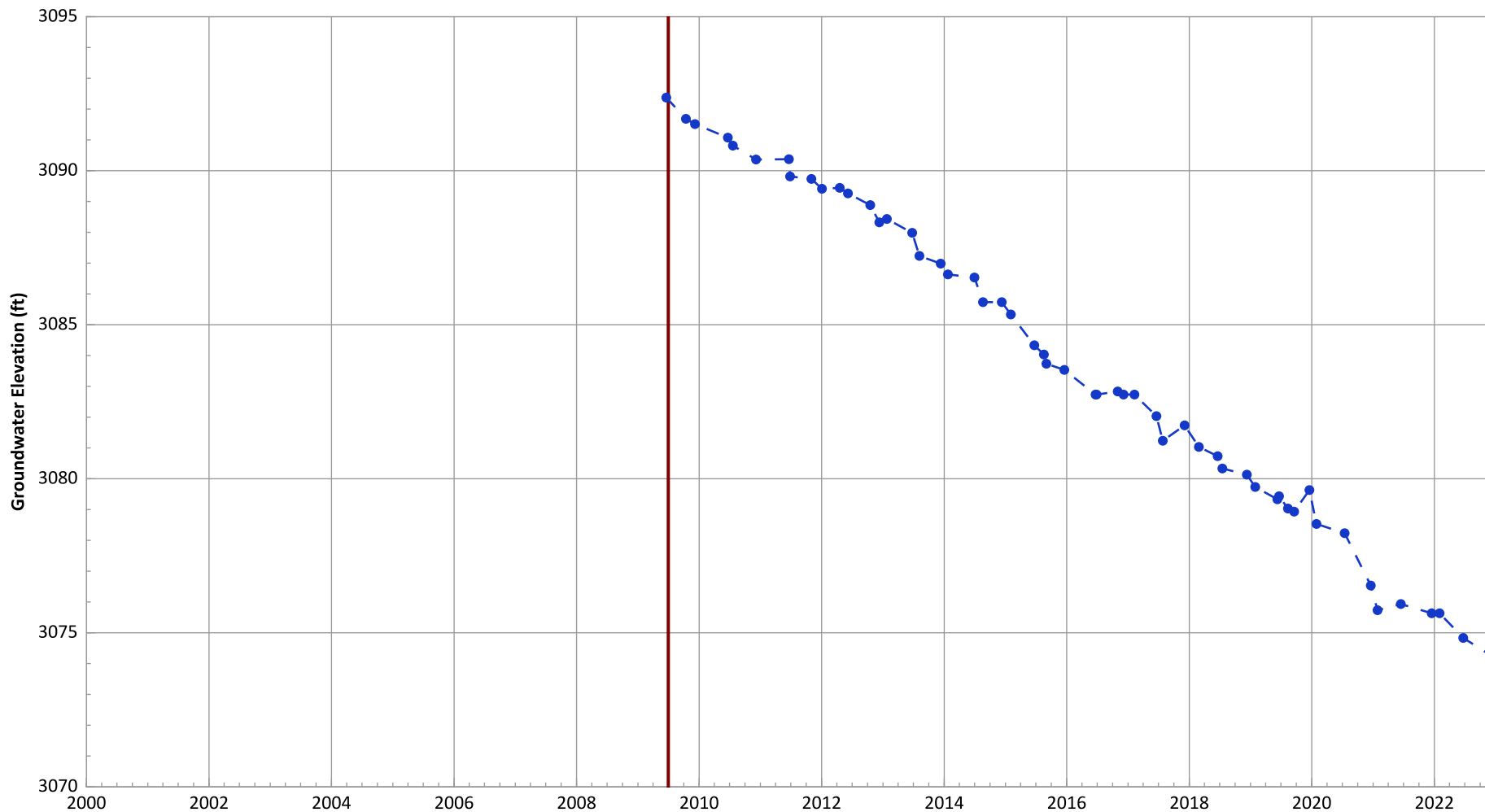
**Well Location**



**Hydrograph Trend**

(MAROS Linear Regression Method)  
 All Data: Decreasing at 2.25 ft/yr  
 Data (1/2017 - 1/2021): Decreasing at 1.86 ft/yr

PTX06-1141 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

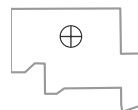


Notes:

1. Top of screen elevation is 3095.57 ft msl.
  2. The bottom of screen elevation is 2885.57 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

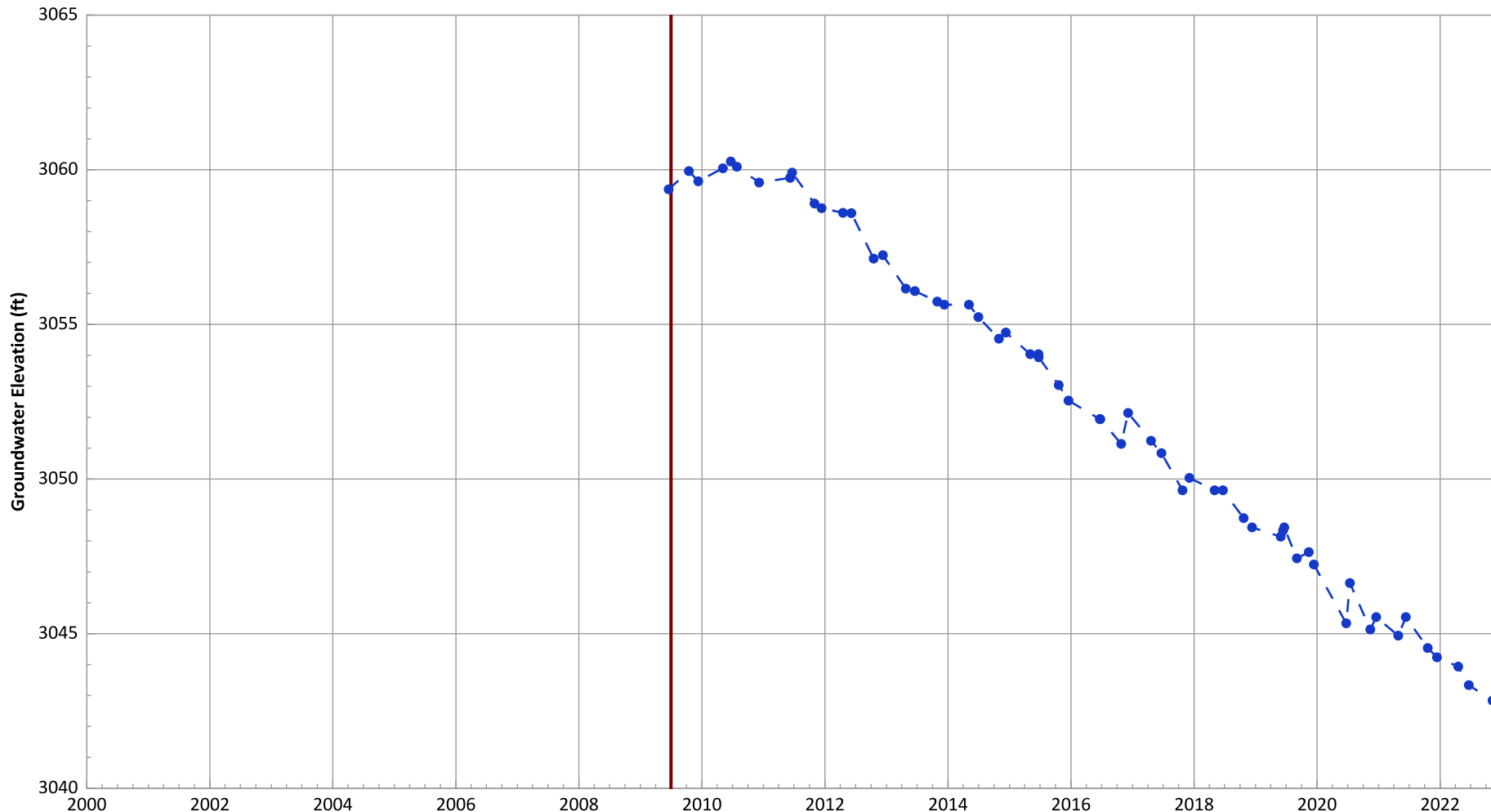
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.36 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.48 ft/yr

PTX06-1143 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

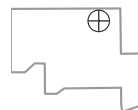


Notes:

1. Top of screen elevation is 3065.99 ft msl.
  2. The bottom of screen elevation is 2765.99 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location

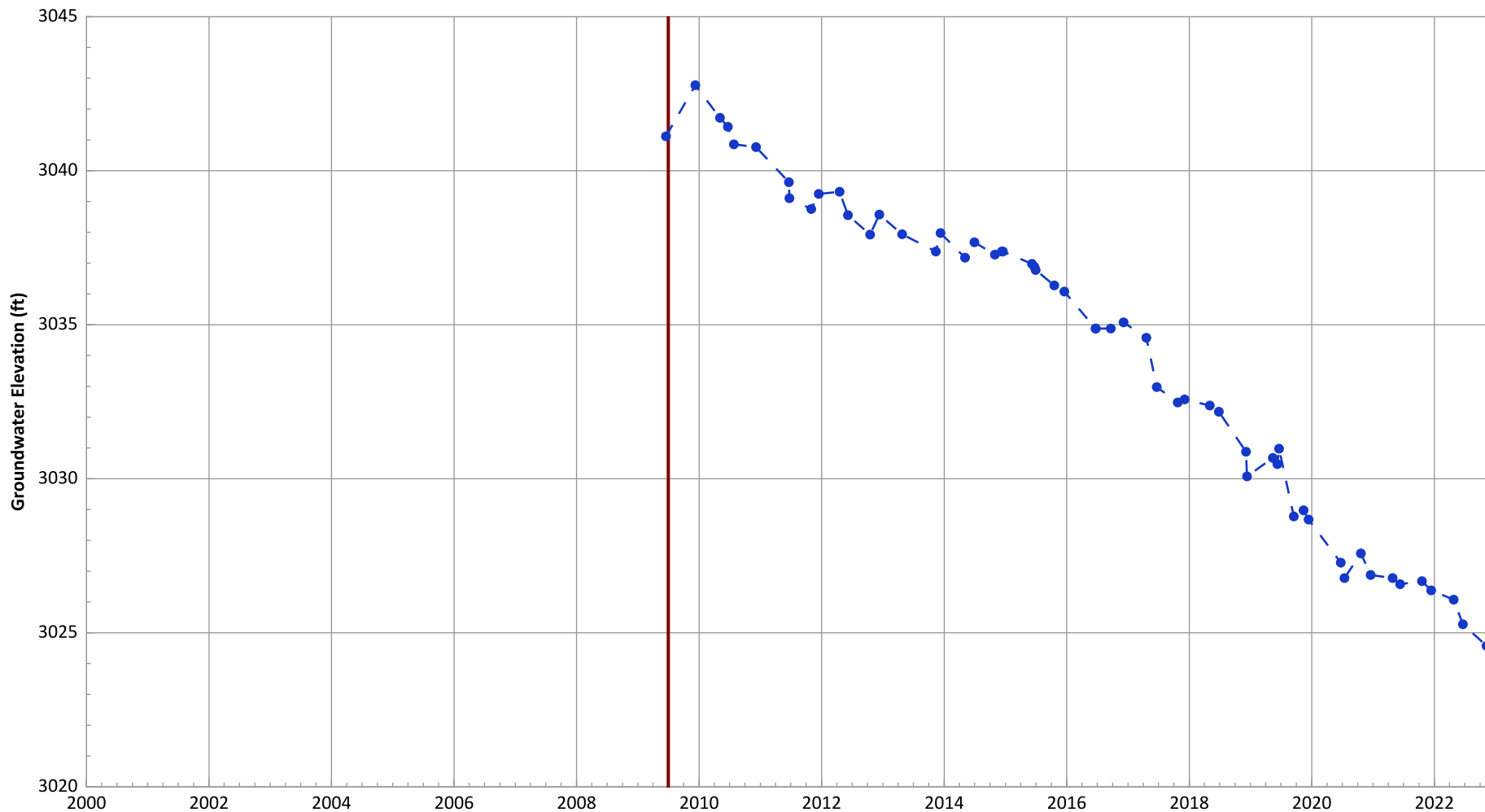


Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.38 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.47 ft/yr



PTX06-1144 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant



Notes:

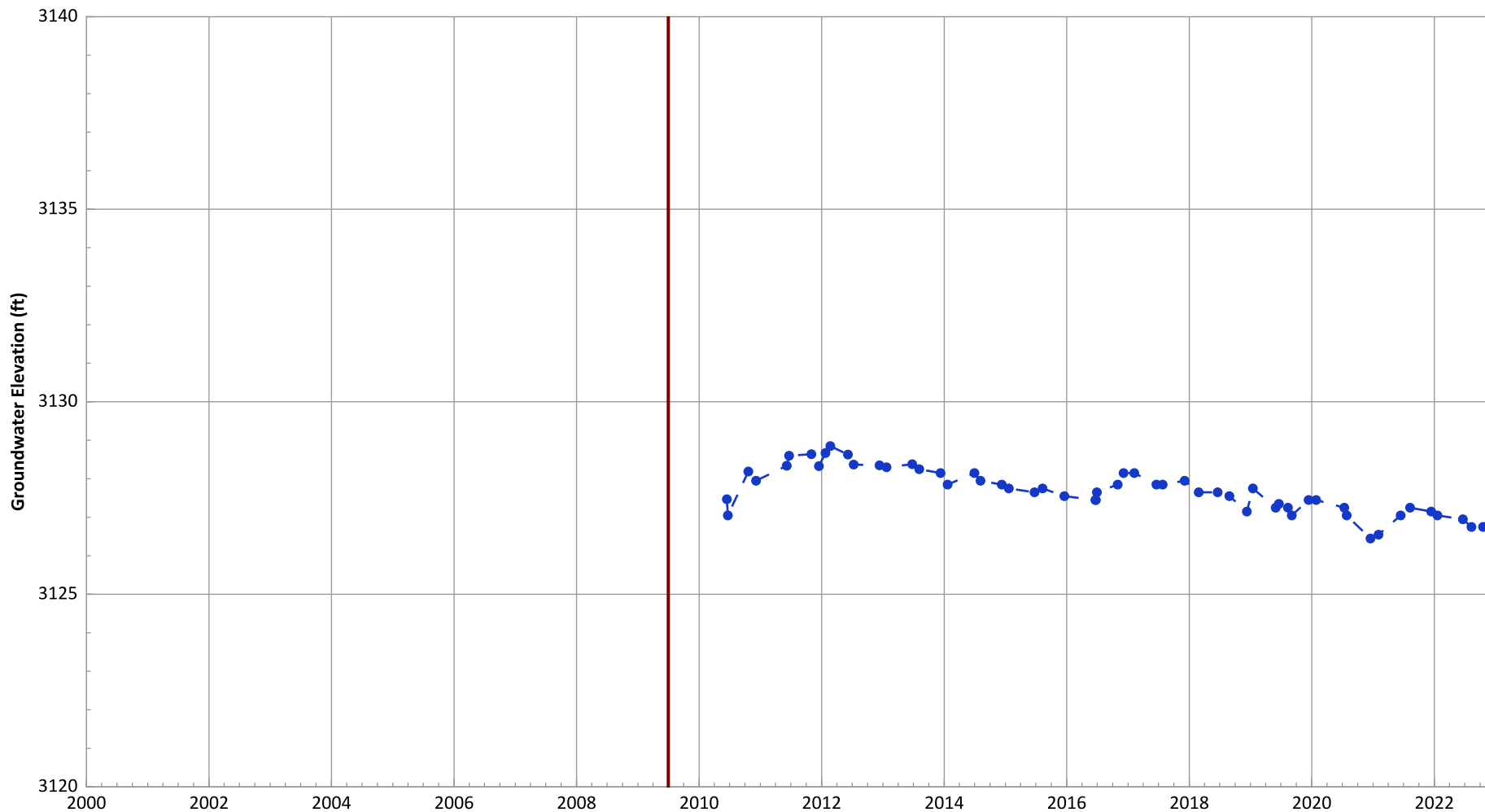
1. Top of screen elevation is 3041.34 ft msl.
  2. The bottom of screen elevation is 2726.34 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action



**Hydrograph Trend**  
(MAROS Linear Regression Method)  
All Data: Decreasing at 1.33 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.75 ft/yr

PTX06-1157 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant



Notes:

1. Top of screen elevation is 3143.59 ft msl.
  2. The bottom of screen elevation is 2998.59 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

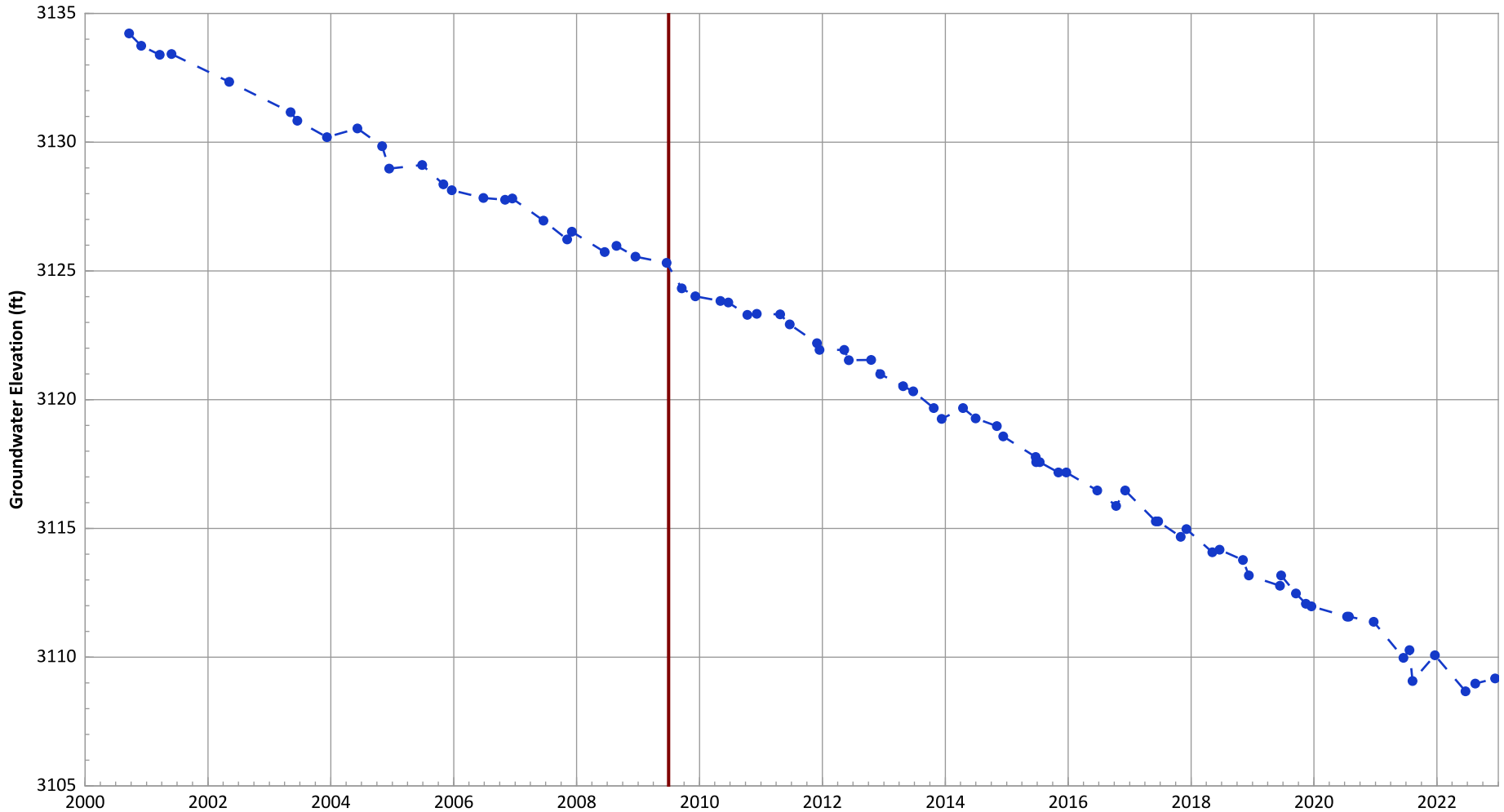
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 0.12 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 0.24 ft/yr

PTX07-1R01 Hydrograph in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

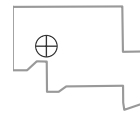


Notes:

1. Top of screen elevation is 3164.47 ft msl.
  2. The bottom of screen elevation is 2974.47 ft msl.
  3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.  
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/22/2023

—●— Groundwater Elevation  
— Start of Remedial Action

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)  
All Data: Decreasing at 1.15 ft/yr  
Data (1/2017 - 1/2021): Decreasing at 1.27 ft/yr

## **Perched Aquifer Expected Conditions Evaluation and Analyte Concentration Trends**



Perched Groundwater COC Trends Vs Expected Conditions  
Trends Since Start of Remedial Action (2009)

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	COC Expected Condition - LTM Design	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
						RDX	Perc	TCE	CR-6
Zone 11	1114-MW4	UM	Trend/Compare to GWPS	Long-term decreasing trend	Annual	N/A	No Trend	No Trend	NT
North	OW-WR-38	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Increasing	NT	Increasing	NT
Burning Ground	PTX01-1001	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	N/A	Decreasing	Decreasing	NT
Burning Ground	PTX01-1004	PS	Dry		WL	N/A	ND	ND	N/A
Burning Ground	PTX01-1008	UM	Compare to GWPS	Below background/PQL and GWPS	Annual	N/A	ND	ND	NT
Burning Ground	PTX01-1009	PS	Dry		WL	Decreasing	NT	No Trend	Decreasing
Miscellaneous	PTX04-1002	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	5 Yrs	NT	NT	NT	NT
Southeast	PTX06-1002A	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Probably Decreasing	NT	No Trend	Decreasing
Southeast	PTX06-1005	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	NT	No Trend	No Trend
Zone 11	PTX06-1006	PS	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Decreasing	Probably Increasing	Increasing	NT
Zone 11	PTX06-1007	UM	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Increasing	Decreasing	Stable	NT
Southeast, Zone 11	PTX06-1008	UM	Trend/Compare to GWPS	Long-term decreasing trend	Annual	ND	Stable	Stable	Decreasing
Southeast	PTX06-1010	UM	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Decreasing	NT	Increasing	Decreasing
Southeast, Zone 11	PTX06-1011	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	No Trend	Decreasing	Probably Increasing	Probably Increasing
Zone 11	PTX06-1012	PS, RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1013	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1014	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Increasing	NT	N/A	Decreasing
Southeast	PTX06-1015	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	NT	NT	NT	NT
Southeast	PTX06-1023	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Decreasing	NT	ND	Decreasing

Perched Groundwater COC Trends Vs Expected Conditions  
Trends Since Start of Remedial Action (2009)

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	COC Expected Condition - LTM Design	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
						RDX	Perc	TCE	CR-6
Southeast	PTX06-1030	RAE	Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	NT	NT	NT	NT
Southeast	PTX06-1031	RAE	Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Increasing	NT	Stable	Increasing
Southeast	PTX06-1034	RAE	Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Increasing	NT	Stable	Decreasing
Zone 11	PTX06-1035	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Semi-Annual	N/A	Increasing	Increasing	NT
Southeast	PTX06-1036	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	WL	NT	NT	NT	NT
Southeast	PTX06-1037	RAE	Trend/Compare to GWPS	Below GWPS in 2–5 years	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1038	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1039A	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Stable	NT	ND	Decreasing
Southeast	PTX06-1040	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1041	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	No Trend	NT	ND	Decreasing
Southeast	PTX06-1042	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1045	RAE	Trend/Compare to GWPS	Below GWPS in 2–5 years	Annual	NT	NT	NT	NT
Southeast	PTX06-1046	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	NT	No Trend	Decreasing
Southeast	PTX06-1047A	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	NT	No Trend	Decreasing
North	PTX06-1048A	PS, RAE	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	N/A	NT	Probably Increasing	NT
Miscellaneous	PTX06-1049	PS, UM	Compare to GWPS	Below background/PQL and GWPS	Annual	Increasing	NT	Stable	NT
North	PTX06-1050	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	No Trend	NT	ND	NT
Southeast	PTX06-1051	PS	Dry		WL	N/A	NT	ND	N/A
Southeast	PTX06-1052	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	N/A	Increasing	Decreasing

Perched Groundwater COC Trends Vs Expected Conditions  
Trends Since Start of Remedial Action (2009)

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	COC Expected Condition - LTM Design	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
						RDX	Perc	TCE	CR-6
Southeast, Zone 11	PTX06-1053	PS, UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	Decreasing	N/A	ND	Decreasing
Southeast	PTX06-1069	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	N/A	NT	ND	N/A
Miscellaneous	PTX06-1071	UM	Compare to GWPS	Below background/PQL and GWPS	5 Yrs	NT	NT	NT	NT
Zone 11	PTX06-1073A	UM	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	WL	NT	NT	NT	NT
Zone 11	PTX06-1077A	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	NT	Stable	Probably Decreasing	NT
Miscellaneous	PTX06-1082	UM	Compare to GWPS	Below background/PQL and GWPS	5 Yrs	NT	NT	NT	NT
Miscellaneous	PTX06-1083	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	5 Yrs	NT	NT	NT	NT
Miscellaneous	PTX06-1085	UM	Compare to GWPS	Below background/PQL and GWPS	5 Yrs	NT	NT	NT	NT
Miscellaneous	PTX06-1086	UM	Compare to GWPS	Below background/PQL and GWPS	5 Yrs	NT	NT	NT	NT
Southeast	PTX06-1088	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	NT	Decreasing	No Trend
Southeast	PTX06-1089	PS	Dry		WL	NT	NT	NT	NT
Southeast	PTX06-1090	PS	Dry		WL	NT	NT	NT	NT
Southeast	PTX06-1091	PS	Dry		WL	Decreasing	NT	Decreasing	Decreasing
Southeast	PTX06-1093	PS	Dry		WL	NT	NT	NT	NT
Southeast	PTX06-1095A	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	Decreasing	NT	No Trend	Probably Increasing
Miscellaneous	PTX06-1097	PS, UM	Dry	Remain dry	WL	Increasing	Decreasing	Decreasing	Probably Increasing
Southeast	PTX06-1098	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	NT	NT	NT	NT
Southeast	PTX06-1101	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	NT	NT	NT	NT
Southeast	PTX06-1102	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	WL	NT	NT	NT	NT



Perched Groundwater COC Trends Vs Expected Conditions  
Trends Since Start of Remedial Action (2009)

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	COC Expected Condition - LTM Design	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
						RDX	Perc	TCE	CR-6
Southeast	PTX06-1103	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	NT	NT	NT	NT
Southeast	PTX06-1120	PS	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Decreasing	NT	Decreasing	Probably Decreasing
Southeast	PTX06-1121	PS	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	WL	NT	NT	NT	NT
Southeast	PTX06-1122	PS	Dry	Remain dry	WL	NT	NT	NT	NT
Southeast	PTX06-1123	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1125	PS	Dry	Remain dry	WL	Decreasing	NT	Decreasing	Decreasing
Zone 11	PTX06-1126	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Increasing	Decreasing	Probably Decreasing	Increasing
Zone 11	PTX06-1127	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Increasing	Decreasing	Increasing	Decreasing
Southeast	PTX06-1130	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	NT	NT	NT	NT
Miscellaneous	PTX06-1131	UM	Compare to GWPS	Below background/PQL and GWPS	Annual	N/A	NT	ND	NT
Southeast	PTX06-1133A	PS	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1134	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	N/A	Increasing	Increasing	NT
Southeast	PTX06-1135	PS	Trend/Compare to GWPS	Long-term decreasing trend	WL	NT	NT	NT	NT
North	PTX06-1136	PS	Trend/Compare to GWPS	Long-term decreasing trend	WL	NT	NT	NT	NT
Southeast	PTX06-1146	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	No Trend	NT	ND	Increasing
Southeast	PTX06-1147	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Stable	NT	Stable	Decreasing
Zone 11	PTX06-1148	PS, RAE	Trend/Compare to GWPS	Below GWPS in 5 -10 years	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1149	PS	Trend/Compare to GWPS	Below GWPS in 5 -10 years	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1150	PS, RAE	Trend/Compare to GWPS	Below GWPS in 5 -10 years	Semi-Annual	NT	NT	NT	NT

Perched Groundwater COC Trends Vs Expected Conditions  
Trends Since Start of Remedial Action (2009)

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	COC Expected Condition - LTM Design	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
						RDX	Perc	TCE	CR-6
Zone 11	PTX06-1151	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Decreasing	Decreasing	Stable	NT
Southeast	PTX06-1153	RAE	Trend/Compare to GWPS	Below GWPS in 2–5 years	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1154	RAE	Trend/Compare to GWPS	Below GWPS in 2–5 years	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1155	RAE	Trend/Compare to GWPS	Below GWPS in 2–5 years	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1156	RAE	Trend/Compare to GWPS	Below GWPS in 2–5 years	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1158	PS	Water Level, Trend/Compare to GWPS	Long-term decreasing trend	WL	NT	NT	NT	NT
Zone 11	PTX06-1159	PS, RAE	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Decreasing	Increasing	Decreasing	NT
Zone 11	PTX06-1160	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	N/A	Decreasing	Stable	NT
Southeast	PTX06-1166	PS	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Decreasing	N/A	Decreasing	Increasing
Southeast	PTX06-1167	RAE	Trend/Compare to GWPS	Long-term decreasing trend	WL	NT	NT	NT	NT
Zone 11	PTX06-1171	PS	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Probably Increasing	Decreasing	Stable	NT
Zone 11	PTX06-1173	RAE	Trend/Compare to GWPS	Below GWPS in 2 – 5 years	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1174	RAE	Trend/Compare to GWPS	Below GWPS in 2 – 5 years	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1175	RAE	Trend/Compare to GWPS	Below GWPS in 2- 5 years	Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1180	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Probably Decreasing	Decreasing	Stable	NT
Southeast	PTX06-1182	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Decreasing	NT	N/A	Decreasing
Southeast	PTX06-1183	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	N/A	N/A	Increasing	Decreasing
Southeast	PTX06-1184	PS	Dry	Remain dry	WL	Increasing	NT	ND	No Trend
Southeast	PTX06-1185	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Decreasing	NT	Stable	Decreasing

Perched Groundwater COC Trends Vs Expected Conditions  
Trends Since Start of Remedial Action (2009)

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	COC Expected Condition - LTM Design	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
						RDX	Perc	TCE	CR-6
Southeast	PTX06-1190	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Increasing	NT	Decreasing	Increasing
Southeast Extension	PTX06-1191	PS,RAE	Trend/Compare to GWPS	Below GWPS in 2 – 5 years	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1192	PS	Trend/Compare to GWPS	Below background/PQL and GWPS	Semi-Annual	N/A	NT	ND	Increasing
Southeast	PTX06-1193	PS	Dry	Remain dry	WL	N/A	NT	N/A	N/A
Southeast Extension	PTX06-1194	PS,RAE	Trend/Compare to GWPS	Below GWPS in 2 – 5 years	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1195	PS	Trend/Compare to GWPS	Below background/PQL and GWPS	Annual	N/A	NT	ND	Probably Increasing
Southeast Extension	PTX06-1196	PS, RAE	Trend/Compare to GWPS	Below GWPS in 2 – 5 years	Semi-Annual	NT	NT	NT	NT
Southeast Extension	PTX06-1197	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Increasing	NT	No Trend	No Trend
Southeast Extension	PTX06-1199	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Increasing	NT	Stable	Increasing
Southeast Extension	PTX06-1200	PS	Trend/Compare to GWPS	Below background/PQL and GWPS	Semi-Annual	ND	NT	ND	No Trend
Southeast Extension	PTX06-1201	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Increasing	NT	ND	Increasing
Southeast Extension	PTX06-1202	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Probably Increasing	NT	ND	Probably Increasing
Southeast Extension	PTX06-1203	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Increasing	NT	No Trend	Probably Decreasing
Southeast Extension	PTX06-1204	PS	Trend/Compare to GWPS	Below background/PQL and GWPS	Semi-Annual	Increasing	NT	ND	No Trend
Zone 11	PTX06-1207	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	ND	Increasing	No Trend	NT
Southeast	PTX06-1208	PS	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	ND	NT	ND	No Trend
North	PTX07-1001	PS, UM, RAE	Trend/Compare to GWPS	Long-term decreasing trend	WL	NT	NT	NT	NT
North	PTX07-1002	PS, UM, RAE	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Decreasing	NT	Probably Increasing	NT
North	PTX07-1003	PS, UM, RAE	Trend/Compare to GWPS	Long-term decreasing trend	Annual	No Trend	NT	Stable	NT

Perched Groundwater COC Trends Vs Expected Conditions  
Trends Since Start of Remedial Action (2009)

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	COC Expected Condition - LTM Design	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
						RDX	Perc	TCE	CR-6
Zone 11	PTX07-1P02	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	Increasing	N/A	ND	NT
Zone 11	PTX07-1P05	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	WL	NT	NT	NT	NT
Miscellaneous	PTX07-1Q01	UM	Compare to GWPS	Below background/PQL and GWPS	5 Yrs	NT	NT	NT	NT
Miscellaneous	PTX07-1Q02	UM	Compare to GWPS	Below background/PQL and GWPS	5 Yrs	NT	NT	NT	NT
Miscellaneous	PTX07-1R03	UM	Compare to GWPS	Below background/PQL and GWPS	5 Yrs	NT	NT	NT	NT
Zone 11	PTX08-1001	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	No Trend	Decreasing	ND	NT
Southeast	PTX08-1002	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Decreasing	NT	ND	Decreasing
Zone 11	PTX08-1003	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	Annual	Increasing	Decreasing	Decreasing	NT
Zone 11	PTX08-1005	UM	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Decreasing	Decreasing	Decreasing	No Trend
Zone 11	PTX08-1006	UM	Trend/Compare to GWPS	Long-term decreasing trend	Semi-Annual	Decreasing	Decreasing	Increasing	NT
Southeast, Zone 11	PTX08-1007	UM	Trend/Compare to GWPS	Long-term decreasing trend	Annual	Decreasing	Increasing	Stable	Decreasing
Southeast, Zone 11	PTX08-1008	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Semi-Annual	No Trend	Increasing	Increasing	Decreasing
Southeast	PTX08-1009	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	Annual	Decreasing	Stable	N/A	No Trend
Miscellaneous	PTX08-1010	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	5 Yrs	NT	NT	NT	NT
Southeast, Zone 11	PTX10-1014	UM	Trend/Compare to GWPS	Long-term decreasing trend	Annual	No Trend	No Trend	Stable	Stable

UM = Uncertainty management

PS = Plume stability

RAE = Response action effectiveness

Dry\* - water level measured in sump

Well	Easting	Northing	COC	Test Date	Last Date	Numd_AD	Numd_AD	ANND_AD	CV_AD	MKS_AD	Conf_AD	Trend_AD	Numd_LAS	Numd_LAS	ANND_LAS	CV_LAS	MKS_LAS	Conf_LAS	Trend_LAS	Numd_SSRA	Numd_SSRA	AIND_SSRA	CV_SSRA	MKS_SSRA	Conf_SSRA	Trend_SSRA	Numd_YVP	Numd_YVP	AIND_YVP	CV_YVP	MKS_YVP	Conf_YVP	Trend_YVP
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	NA V4 Depletions in Dataset	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	NA V4 Depletions in Dataset	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected
1144004	635135	3157562	FWA	3/18/1998	3/18/1998	42	0	No	0	0.00	0	AT Non-Detected	4	0	Yes	0	0.00	0	AT Non-Detected	24	0	No	0	0.00	0	AT Non-Detected	8	0	Yes	0	0.00	0	AT Non-Detected

Well	Eastings	Northing	COC	Test Date	Last Date	Numd_AD	Numd_AO	AIND_AD	CV_AD	MXS_AD	Conf_AD	Trend_AD	Numd_LAS	Numd_LAO	AIND_LAS	CV_LAS	MXS_LAS	Conf_LAS	Trend_LAS	Numd_SSRA	Numd_SSRA	AIND_SSRA	CV_SSRA	MXS_SSRA	Conf_SSRA	Trend_SSRA	Numd_EYVP	Numd_SLYVP	AIND_EYVP	CV_EYVP	MXS_EYVP	Conf_EYVP	Trend_EYVP												
PFA000-02	435450.15	321960.75	ICE	1/27/1995	1/28/1995	25	0	No	0.74151817	0.00	0.00	0.00	4	2	No	0.73137184	0.00	0.00	All Non-Detect	14	12	No	0.41000383	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00						
PFA000-02	435450.15	321960.75	ICE	1/27/1995	1/28/1995	25	0	No	0.74151817	0.00	0.00	0.00	4	2	No	0.73137184	0.00	0.00	All Non-Detect	14	12	No	0.41000383	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
PFA000-02	435450.15	321960.75	ICE	1/27/1995	1/28/1995	25	0	No	0.74151817	0.00	0.00	0.00	4	2	No	0.73137184	0.00	0.00	All Non-Detect	14	12	No	0.41000383	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
PFA000-02	435450.15	321960.75	ICE	1/27/1995	1/28/1995	25	0	No	0.74151817	0.00	0.00	0.00	4	2	No	0.73137184	0.00	0.00	All Non-Detect	14	12	No	0.41000383	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PFA000-02	435450.15	321960.75	ICE	1/27/1995	1/28/1995	25	0	No	0.74151817	0.00	0.00	0.00	4	2	No	0.73137184	0.00	0.00	All Non-Detect	14	12	No	0.41000383	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PFA000-02	435450.15	321960.75	ICE	1/27/1995	1/28/1995	25	0	No	0.74151817	0.00	0.00	0.00	4	2	No	0.73137184	0.00	0.00	All Non-Detect	14	12	No	0.41000383	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table with columns: Well, Easting, Northing, OCC, Test Date, Last Date, Num\_AD, Num\_AD, AIND\_AD, CV\_AD, MKS\_AD, Conf\_AD, Trend\_AD, Num\_LAS, Num\_LAS, AIND\_LAS, CV\_LAS, MKS\_LAS, Conf\_LAS, Trend\_LAS, Num\_SSRA, Num\_SSRA, AIND\_SSRA, CV\_SSRA, MKS\_SSRA, Conf\_SSRA, Trend\_SSRA, Num\_EVP, Num\_EVP, AIND\_EVP, CV\_EVP, MKS\_EVP, Conf\_EVP, Trend\_EVP. The table contains multiple rows of monitoring data for various wells.





Table with columns: Well, Easting, Northing, OCC, First Date, Last Date, Numd\_AD, Numd\_AD, ANND\_AD, CV\_AD, MKS\_AD, Conf\_AD, Trend\_AD, Numd\_LAS, Numd\_LAS, ANND\_LAS, CV\_LAS, MKS\_LAS, Conf\_LAS, Trend\_LAS, Numd\_SSRA, Numd\_SSRA, ANND\_SSRA, CV\_SSRA, MKS\_SSRA, Conf\_SSRA, Trend\_SSRA, Numd\_EYFP, Numd\_EYFP, ANND\_EYFP, CV\_EYFP, MKS\_EYFP, Conf\_EYFP, Trend\_EYFP. The table contains multiple rows of data for various wells, detailing monitoring trends and data points.



Table with columns: Well, Easting, Northing, COC, First Date, Last Date, NumD\_AD, NumD\_AD, AIND\_AD, CV\_AD, MKS\_AD, Conf\_AD, Trend\_AD, NumD\_LAS, NumD\_LAS, AIND\_LAS, CV\_LAS, MKS\_LAS, Conf\_LAS, Trend\_LAS, NumD\_SSRA, NumD\_SSRA, AIND\_SSRA, CV\_SSRA, MKS\_SSRA, Conf\_SSRA, Trend\_SSRA, NumD\_EYRP, NumD\_EYRP, AIND\_EYRP, CV\_EYRP, MKS\_EYRP, Conf\_EYRP, Trend\_EYRP. The table contains data for various wells including 14607-18, 14607-19, 14607-20, etc., with multiple rows per well representing different monitoring periods.





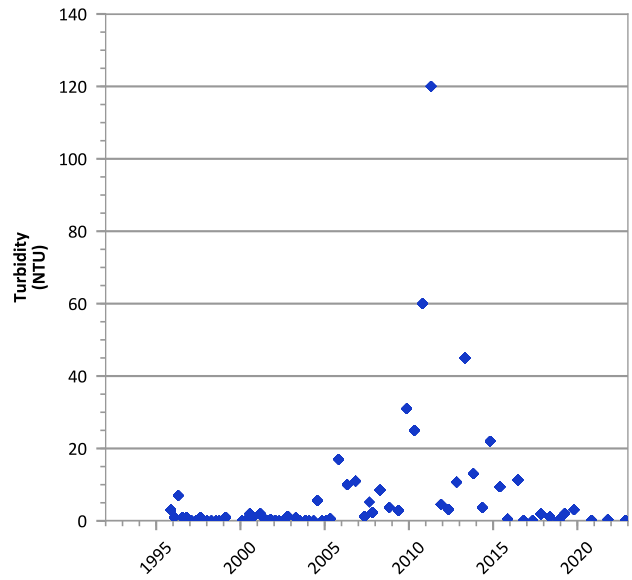
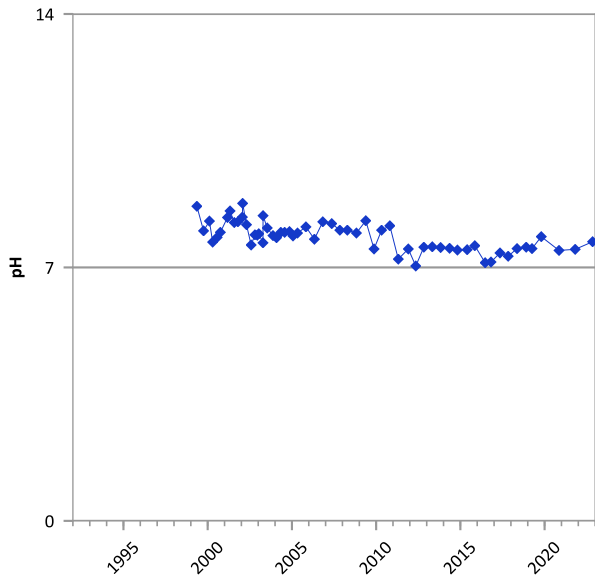
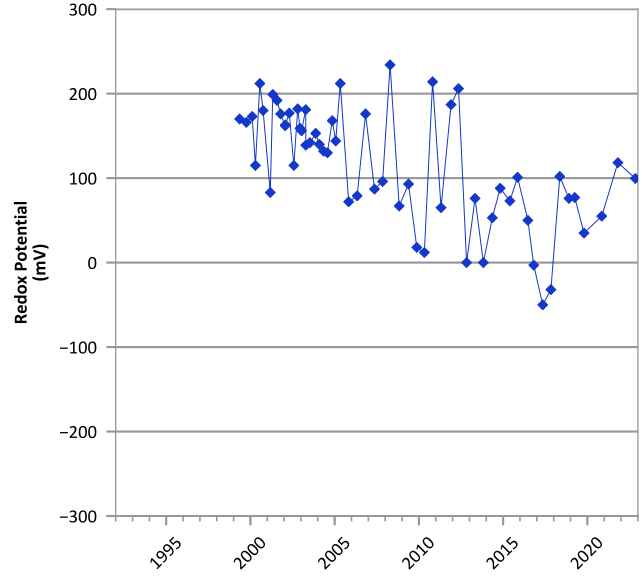
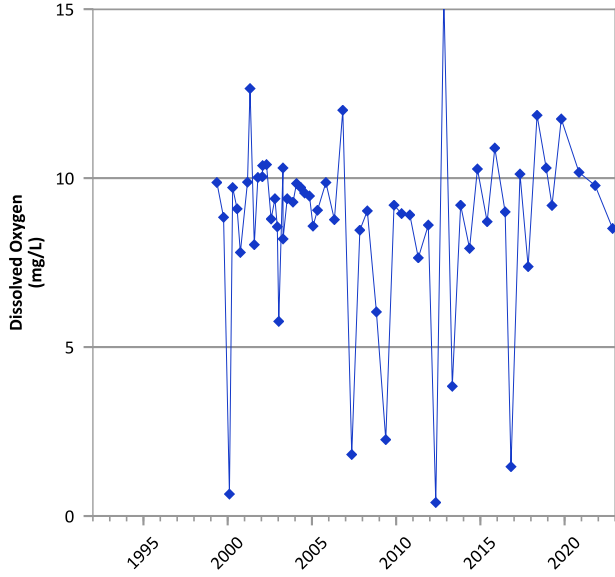




Well	Easting	Northing	DOC	Test Date	Last Date	Numd_AD	Numd_AD	AINM_AD	CV_AD	MKS_AD	Conf_AD	Trend_AD	Numd_LAS	Numd_LAS	AINM_LAS	CV_LAS	MKS_LAS	Conf_LAS	Trend_LAS	Numd_SSRA	Numd_SSRA	AINM_SSRA	CV_SSRA	MKS_SSRA	Conf_SSRA	Trend_SSRA	Numd_EVP	Numd_EVP	AINM_EVP	CV_EVP	MKS_EVP	Conf_EVP	Trend_EVP
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing
PETROL-103	535604.3	128781.8	NA	11/28/1995	11/28/1995	48	48	No	1.07691524	-736.00	0.00000000	No Trend	4	4	No	3.40051715	0.00	0.025	Increasing	27	27	No	0.00001924	0.00	0.000	Decreasing	16	16	No	1.12901371	-221.00	0.000	Decreasing

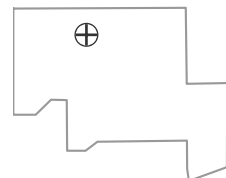


**PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



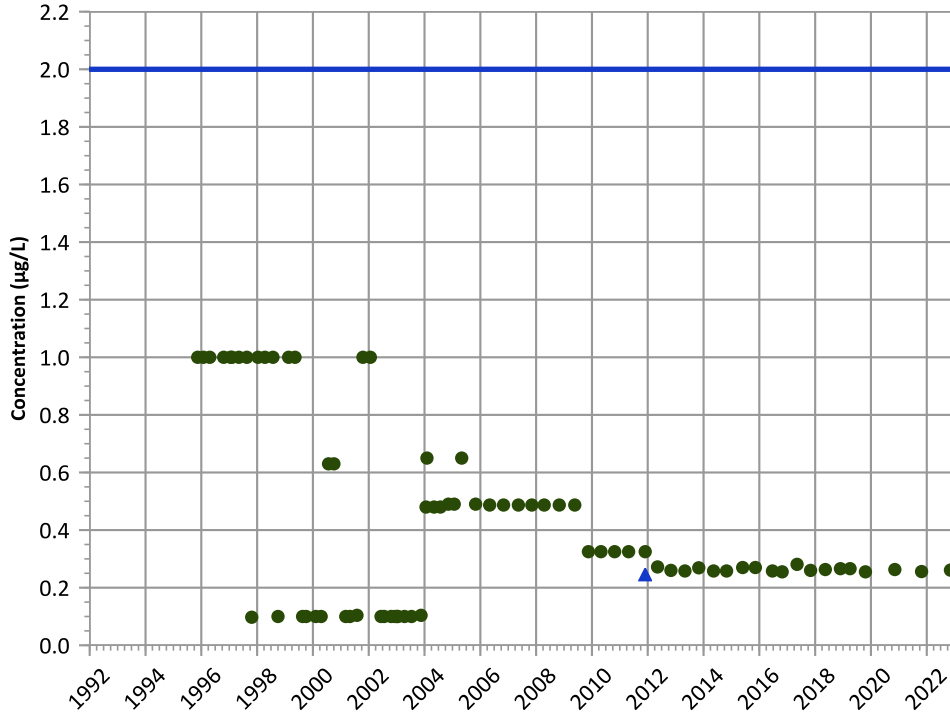
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/15/1995 to 11/07/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

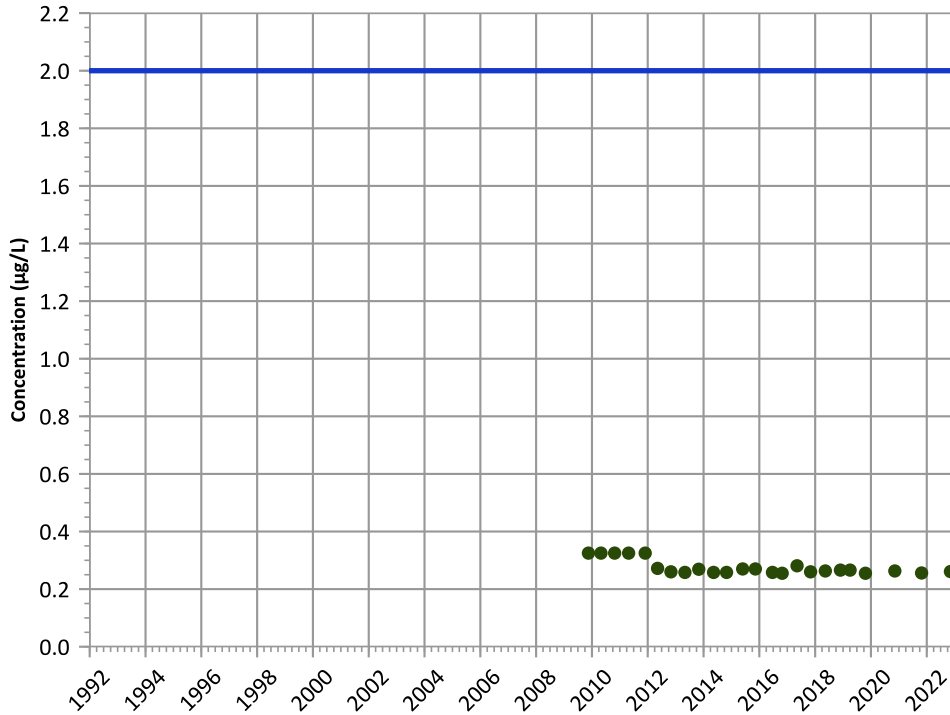


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

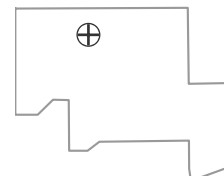
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

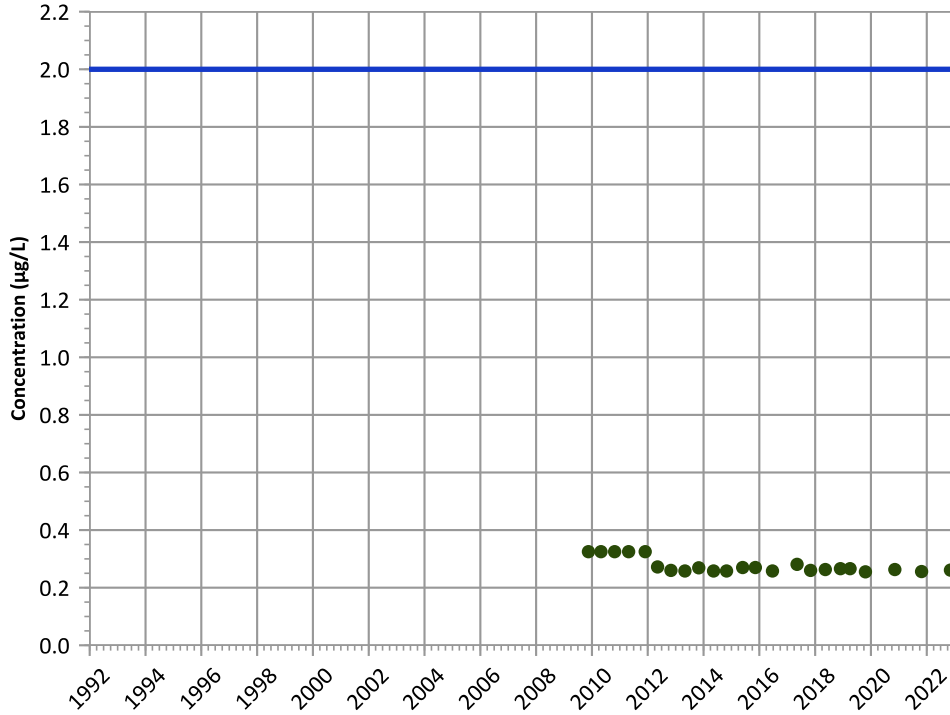
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

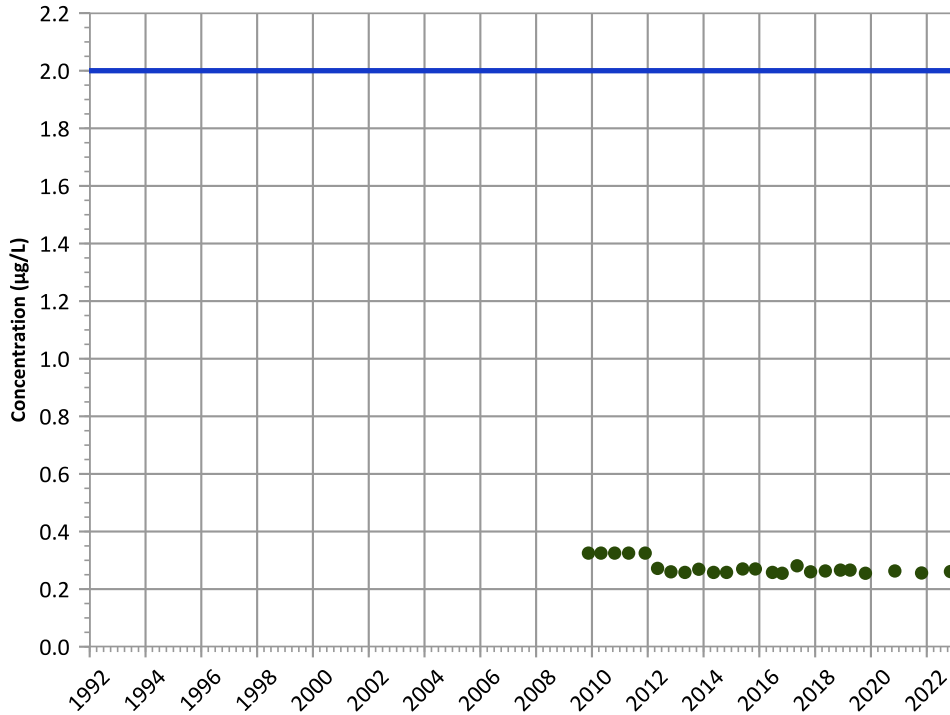


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

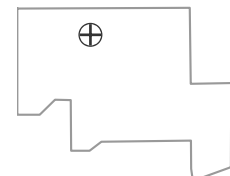


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

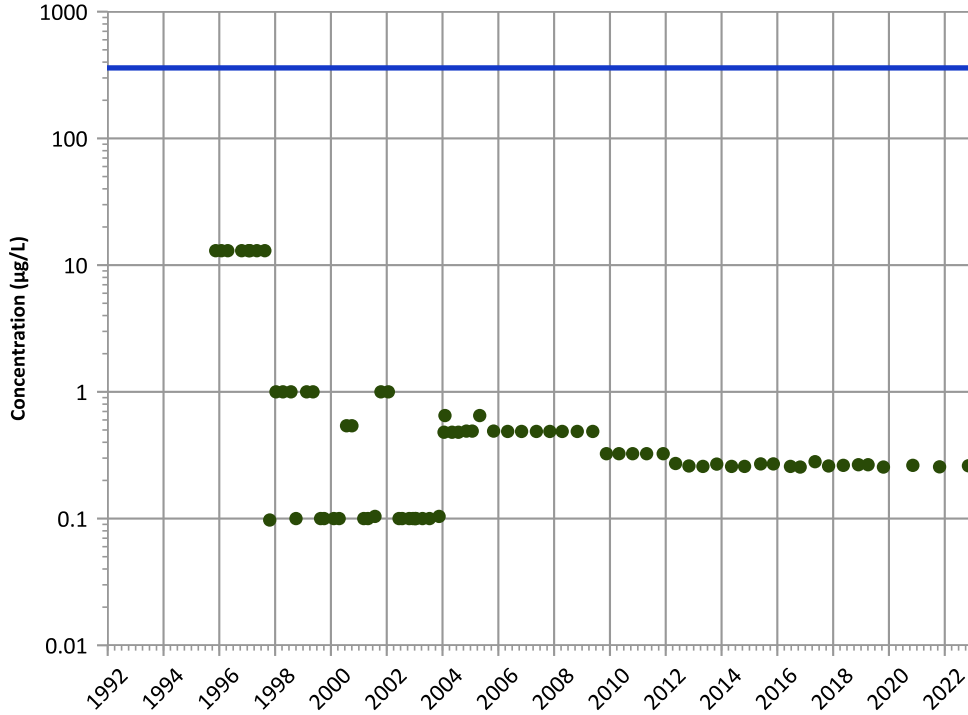


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

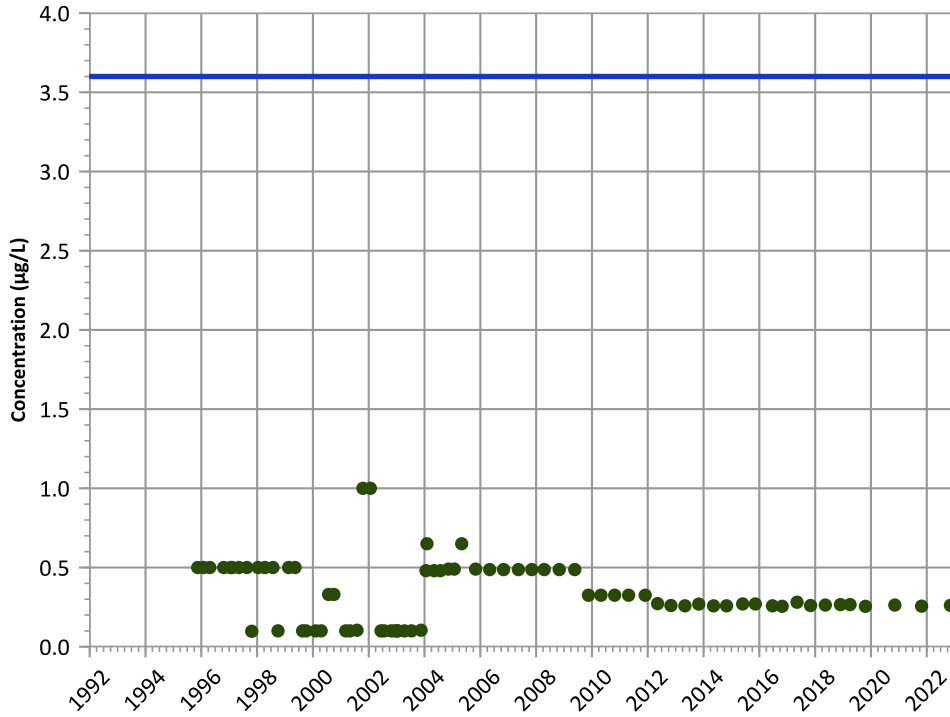
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

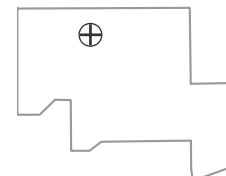
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

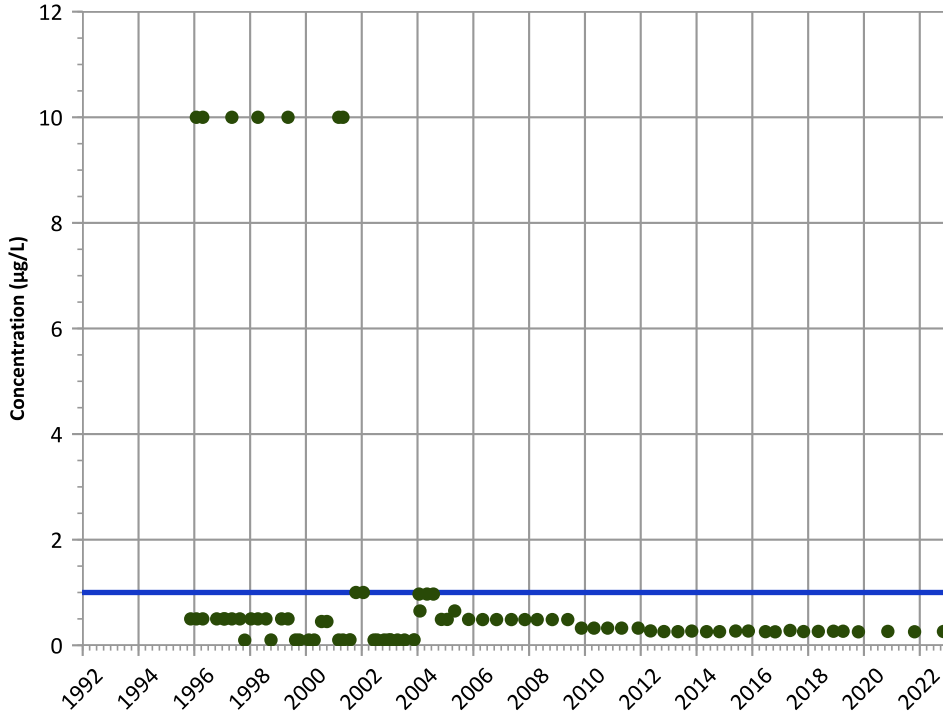
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

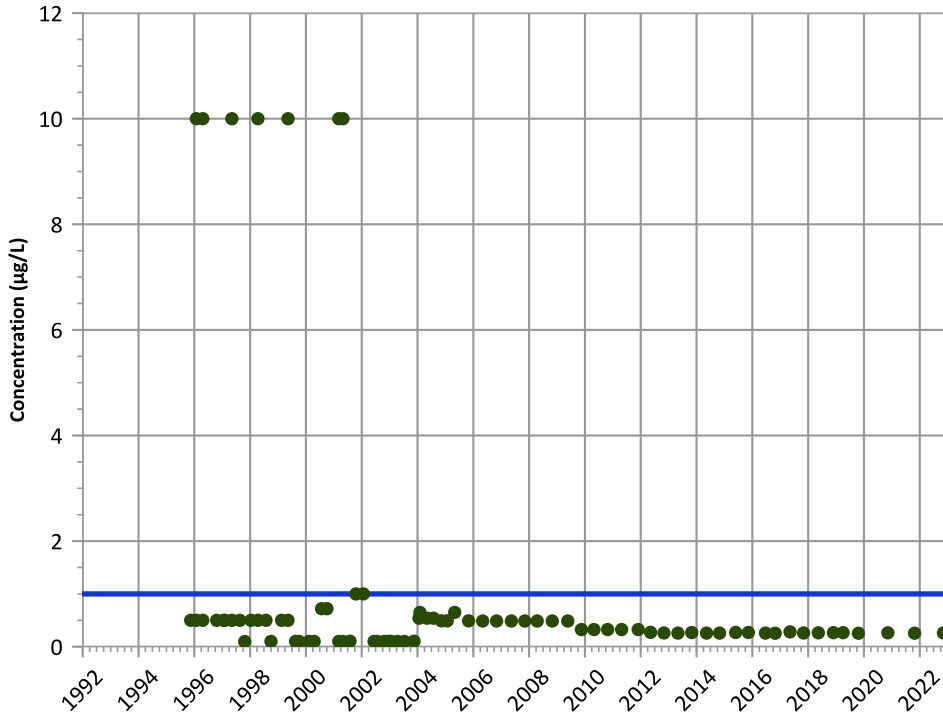
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

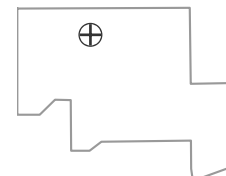
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

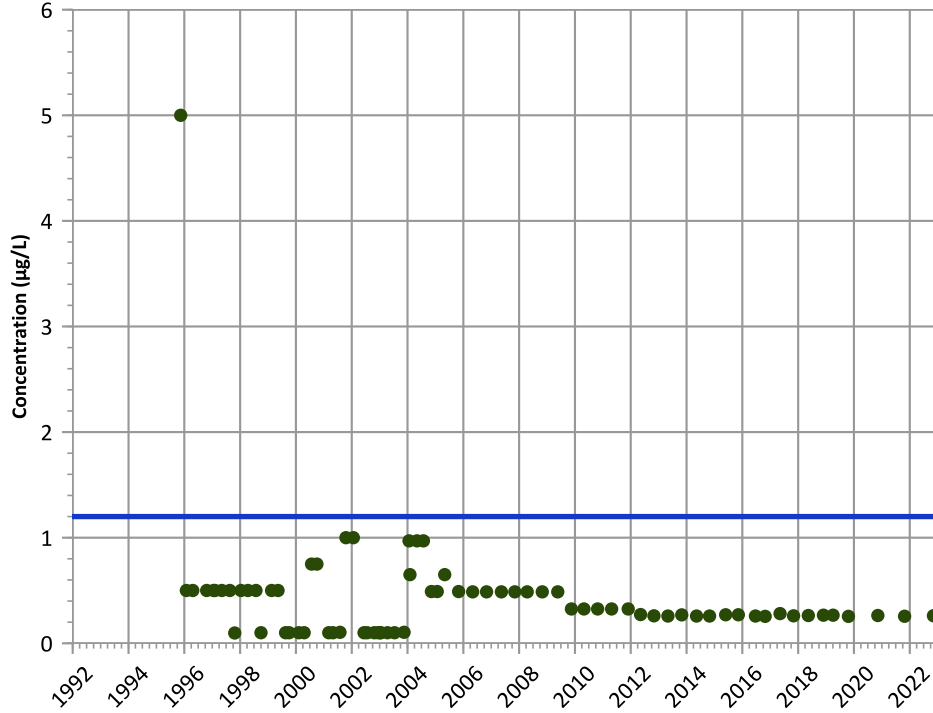
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

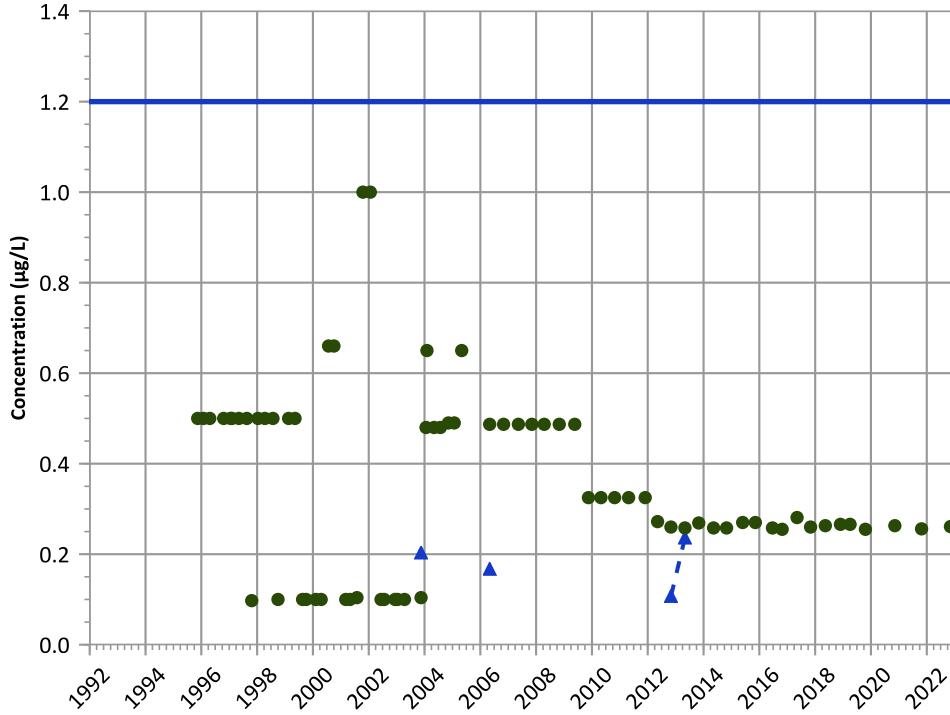
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

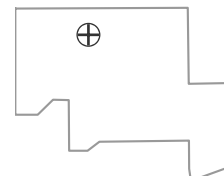
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

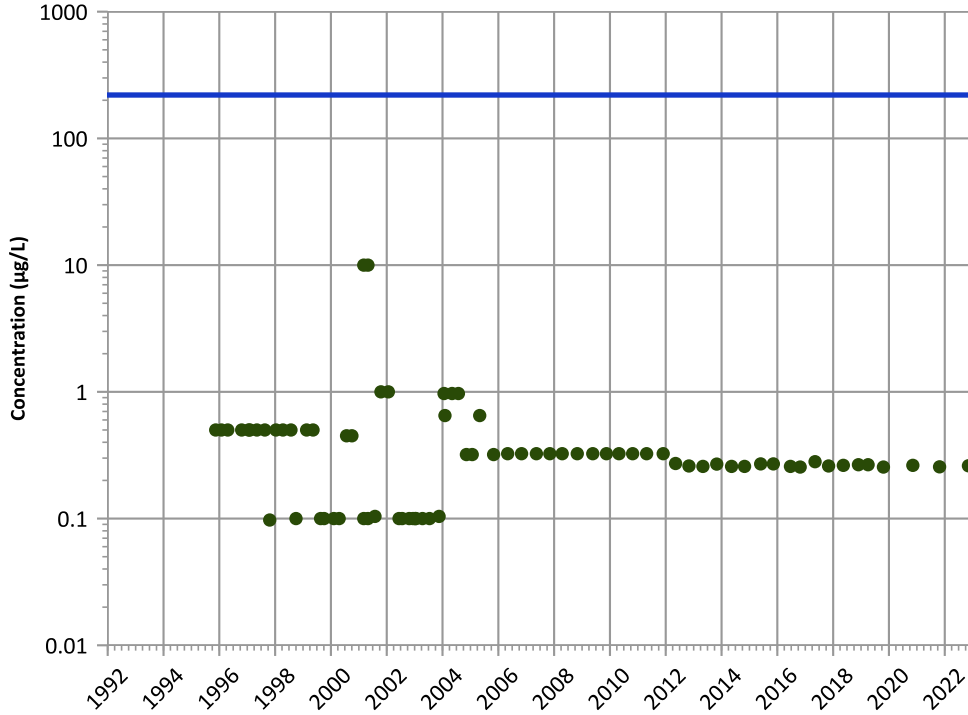
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

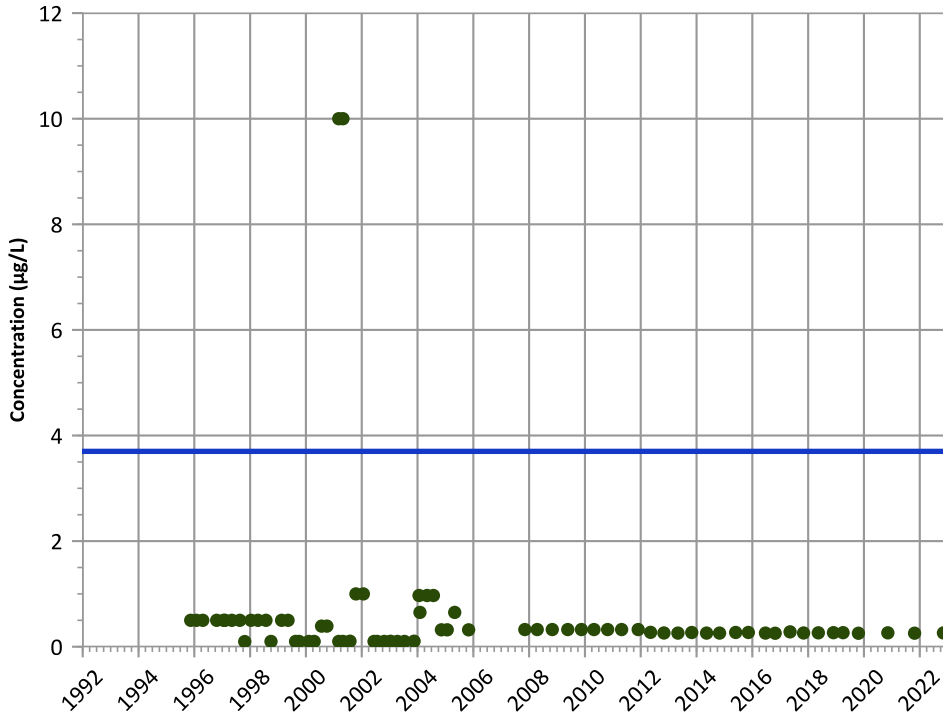
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

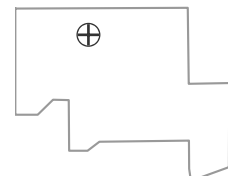
2020 - 2022 Data:

All Non-Detect

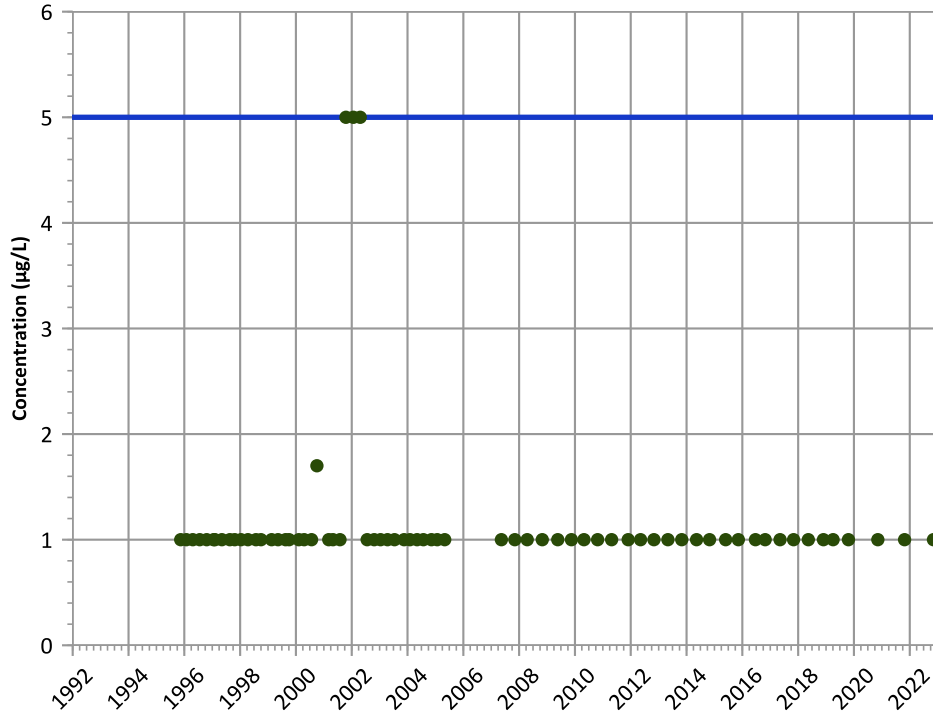
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

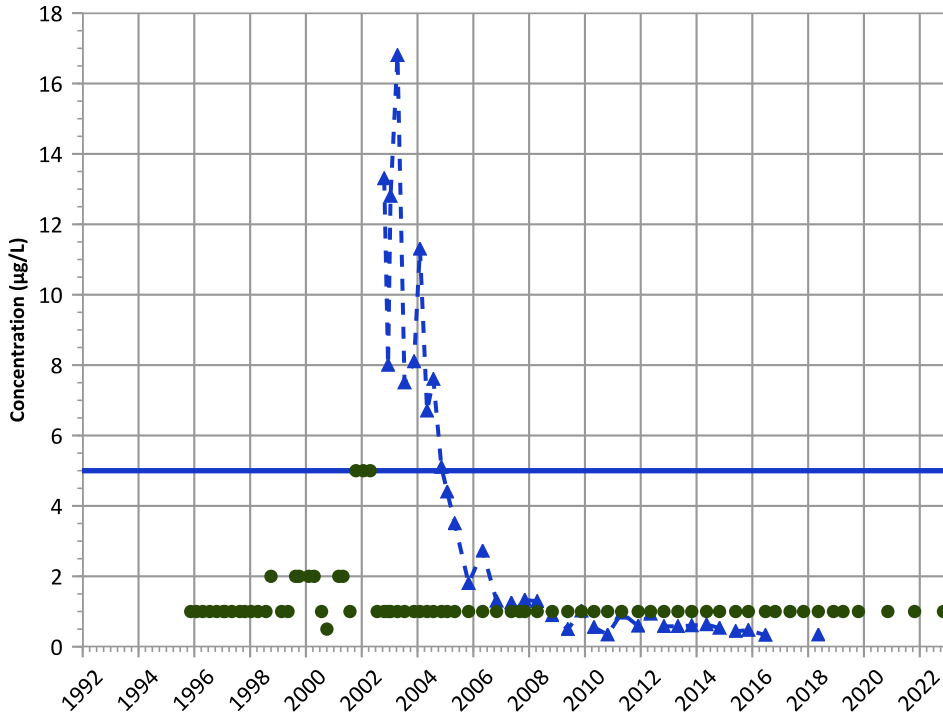
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

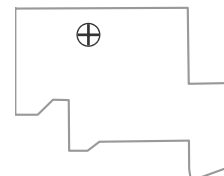
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

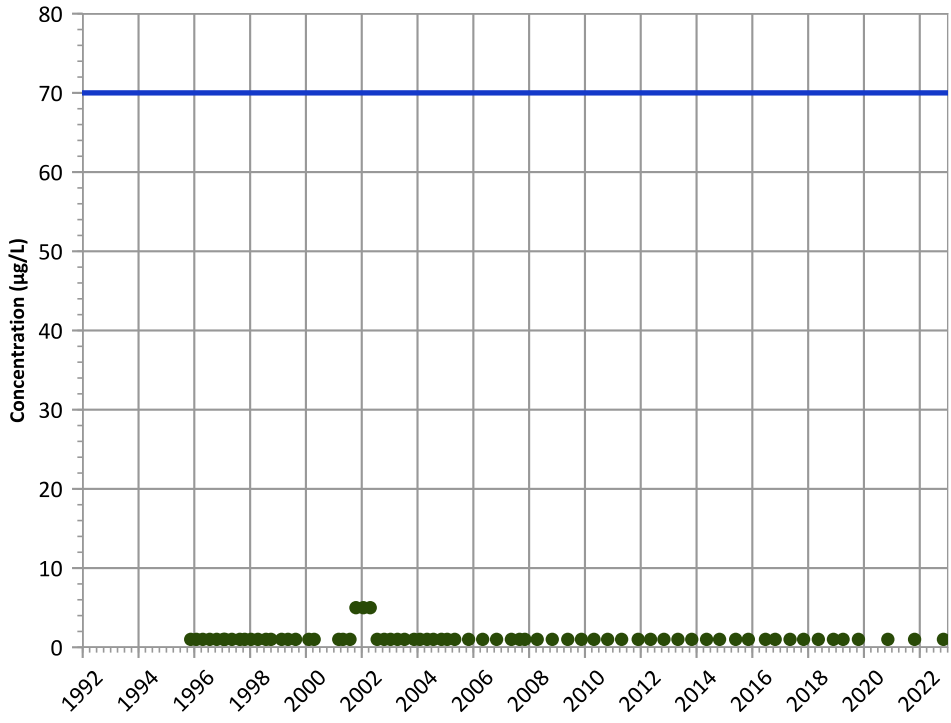
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

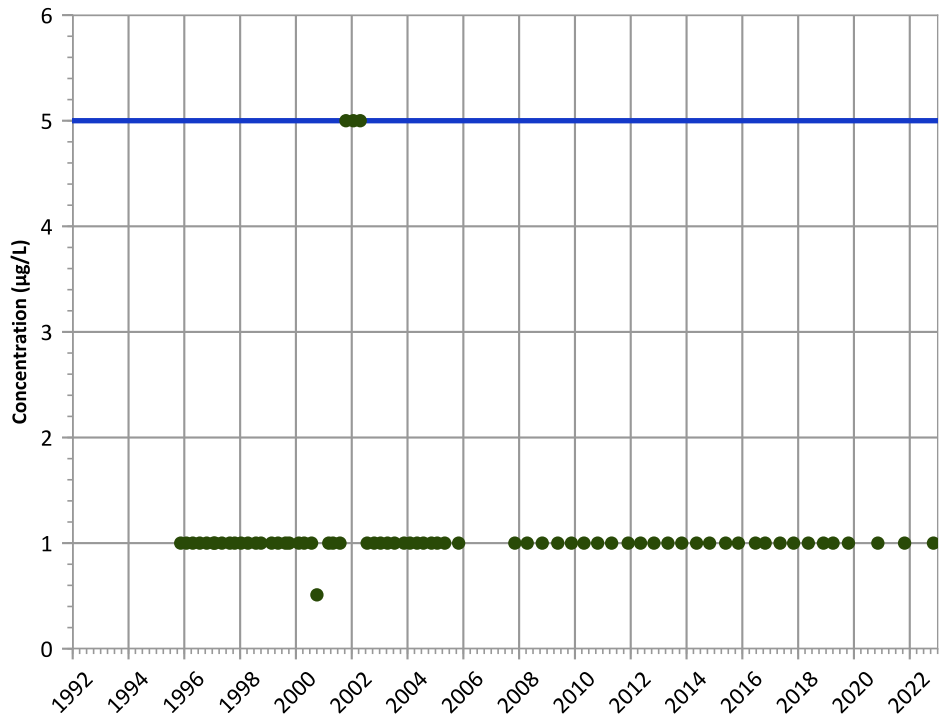
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

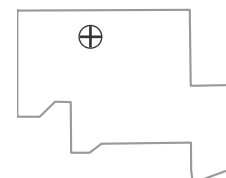
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

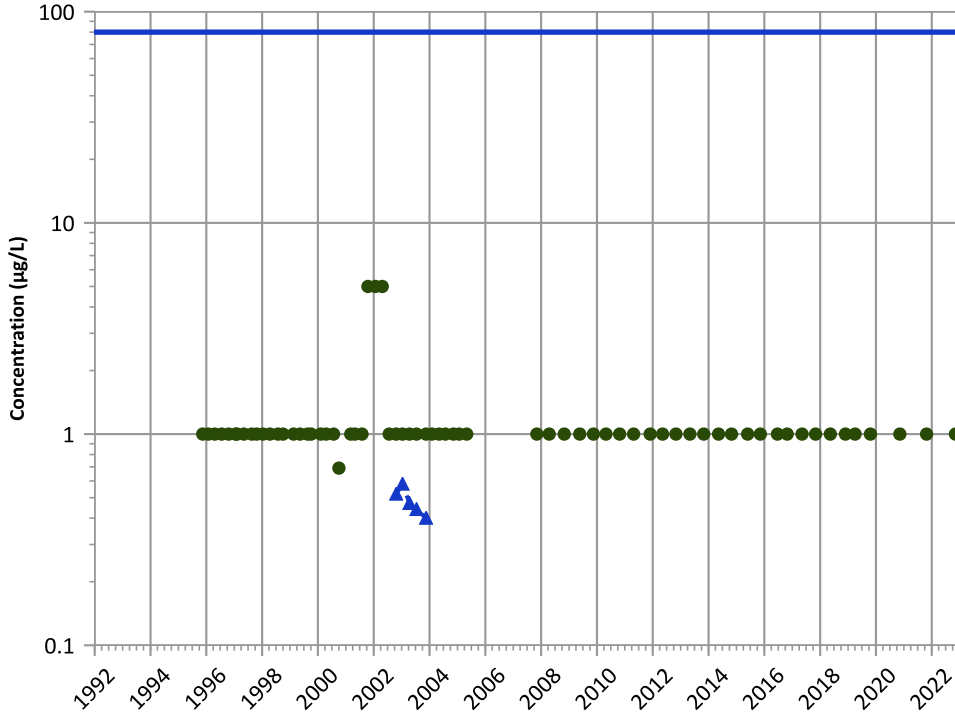
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

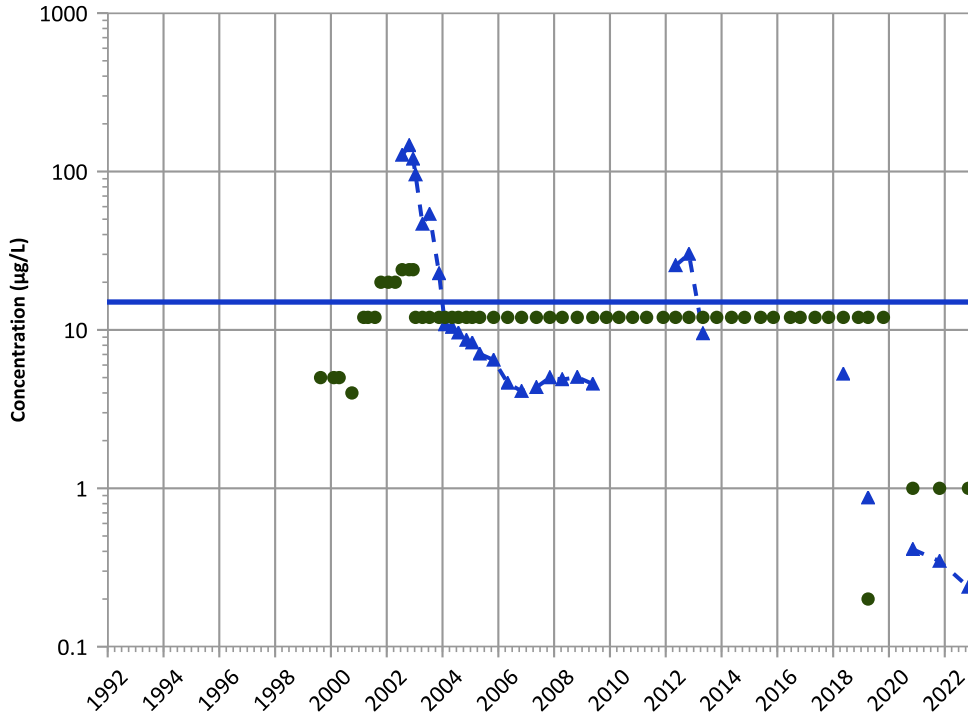


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
Decreasing

**Perchlorate Trend**



**Concentration Trend**

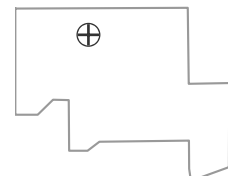
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

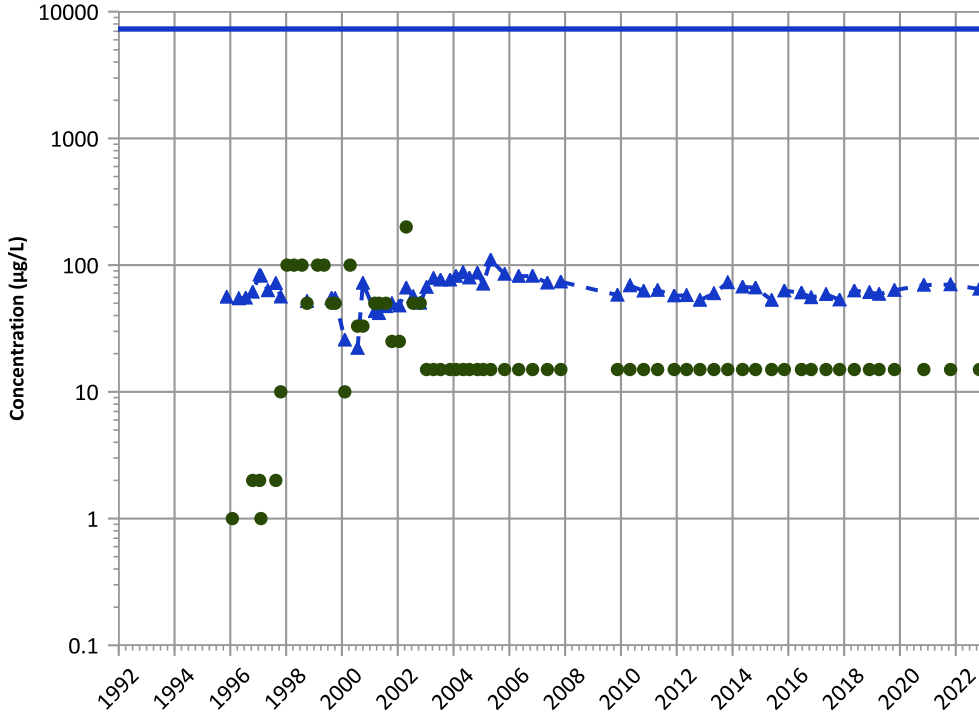
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

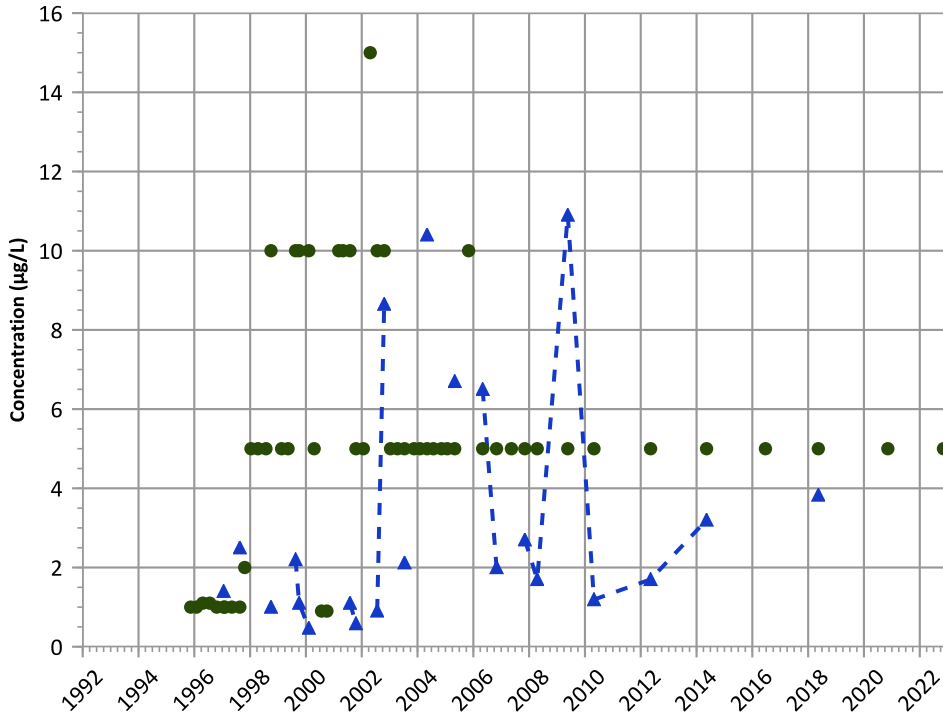
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

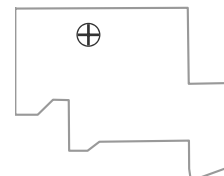
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

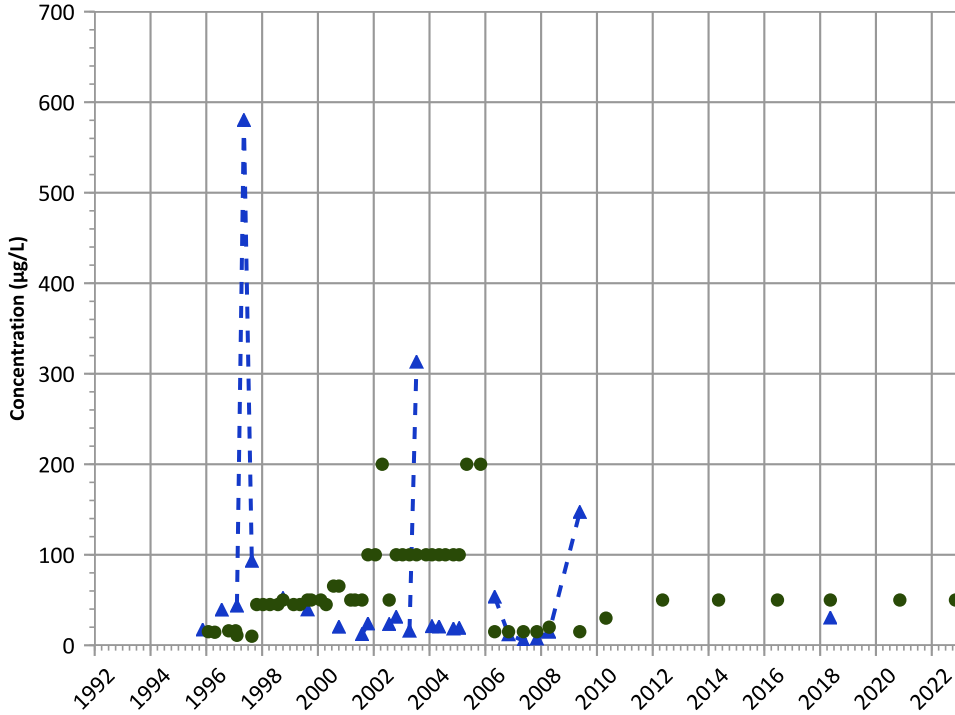
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend

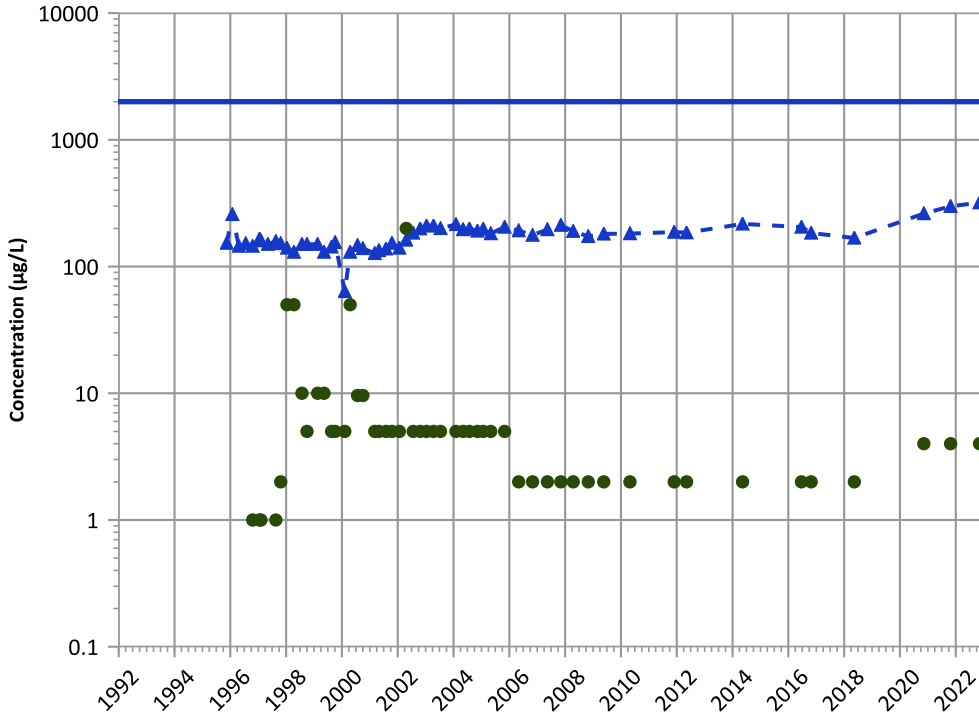


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Barium Trend



Concentration Trend

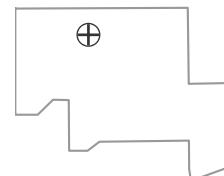
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

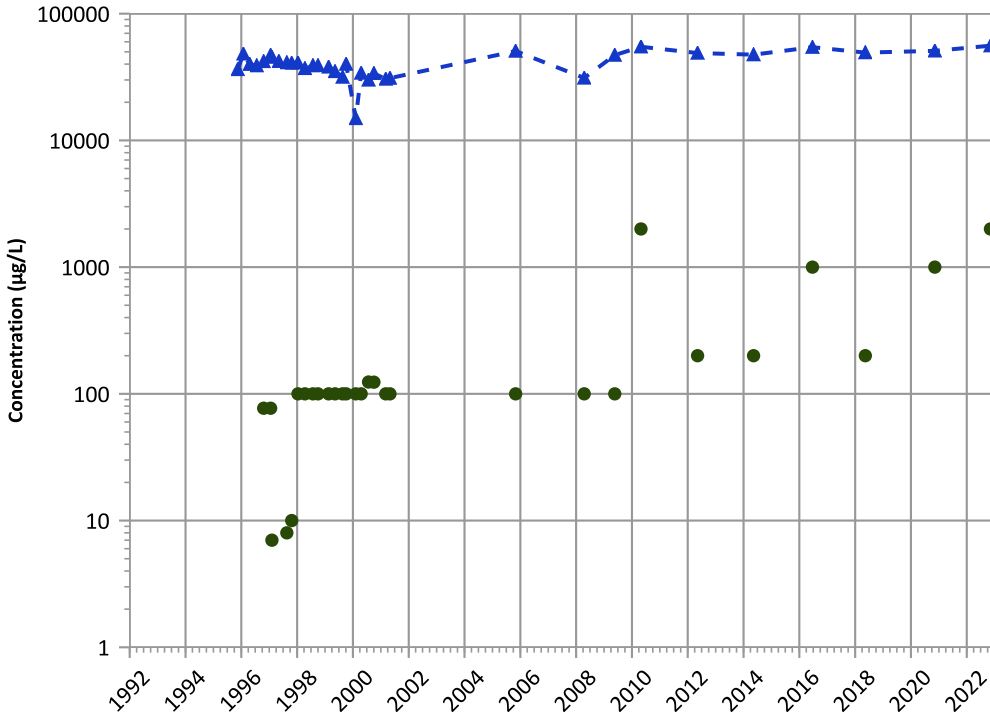
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

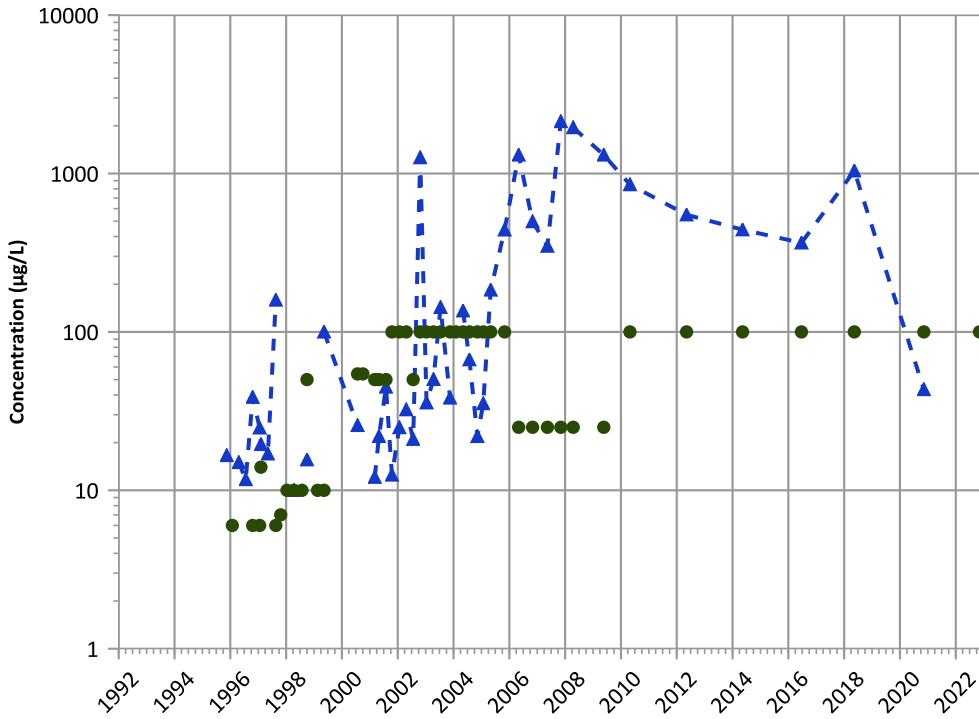
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

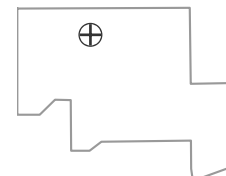
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

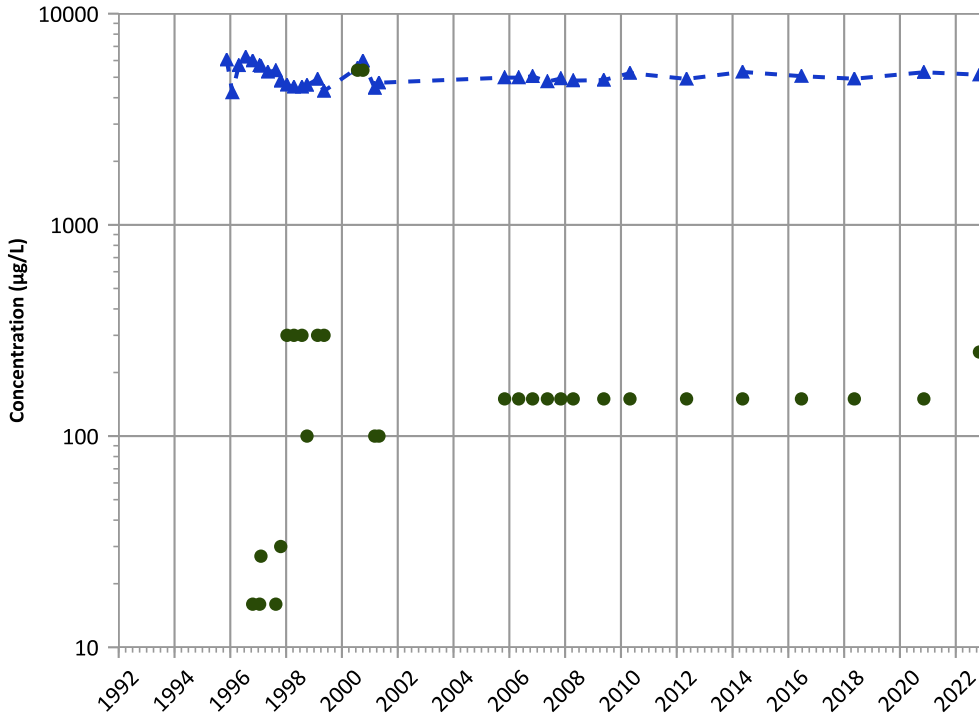
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

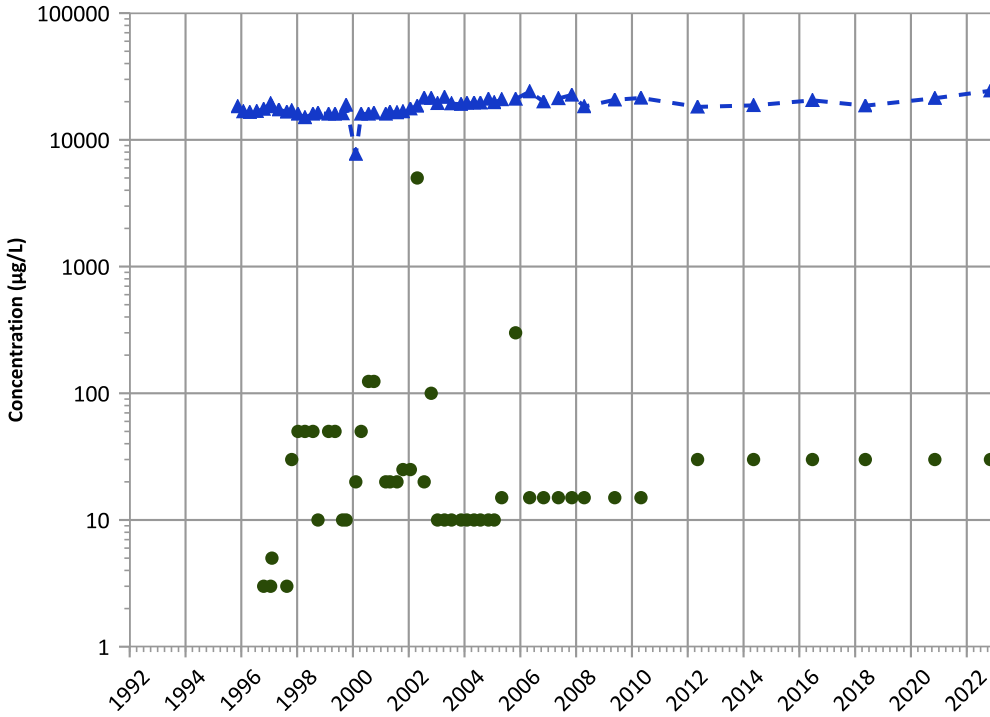
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

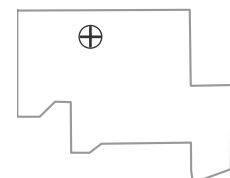
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

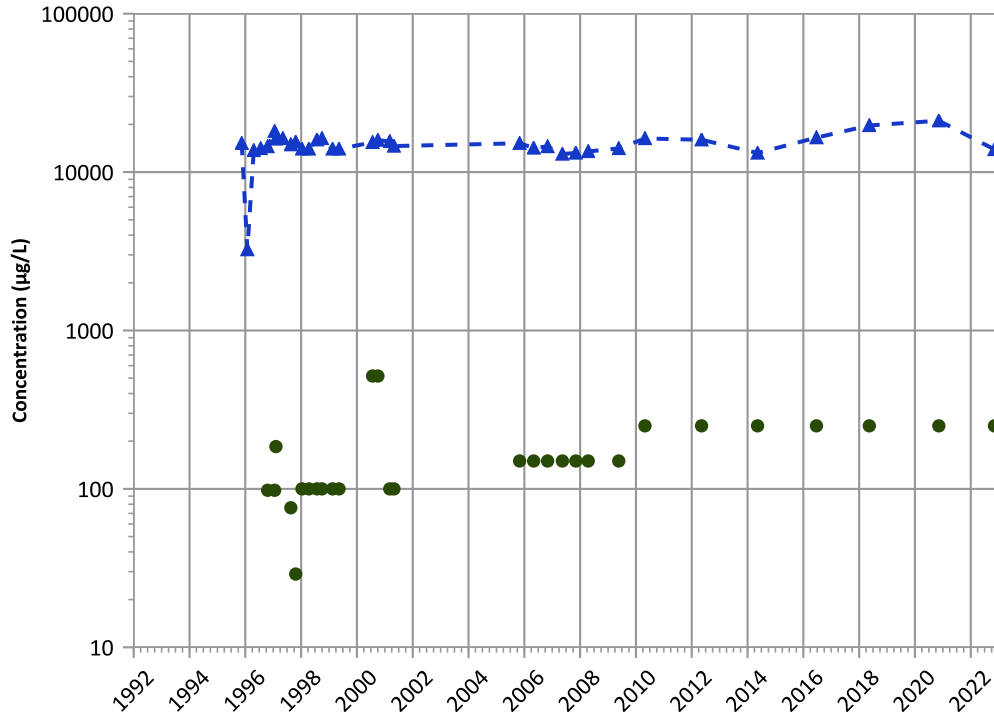
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/15/1995 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1001 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

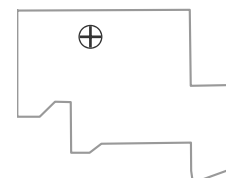
2020 - 2022 Data:

Stable

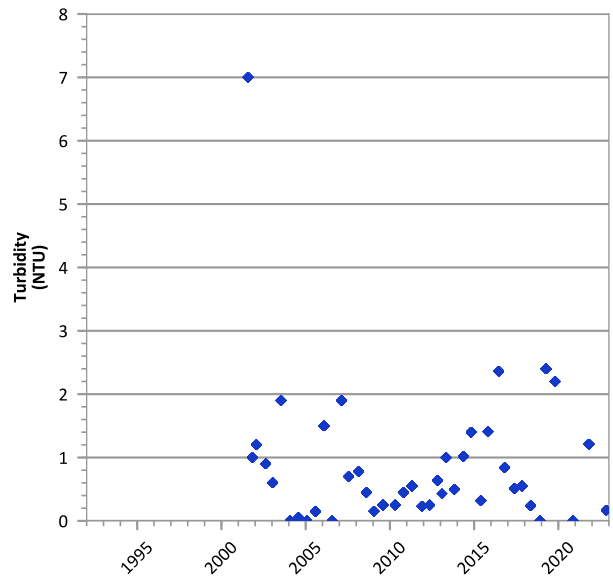
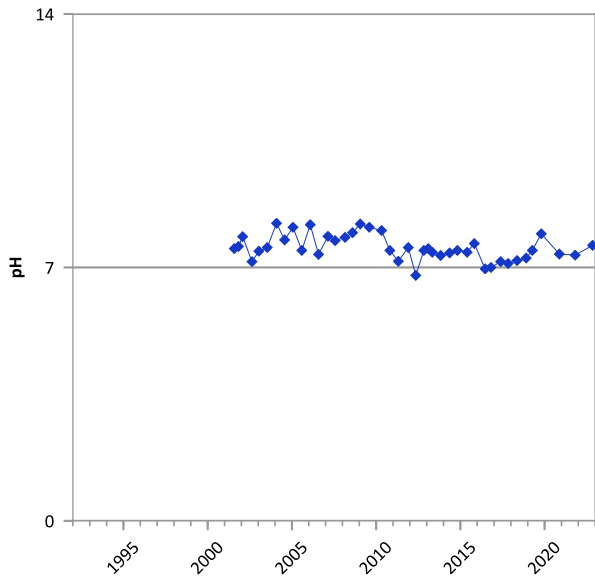
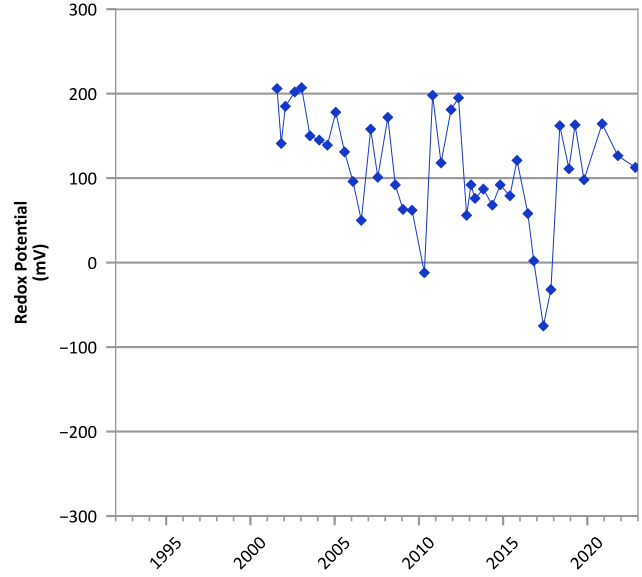
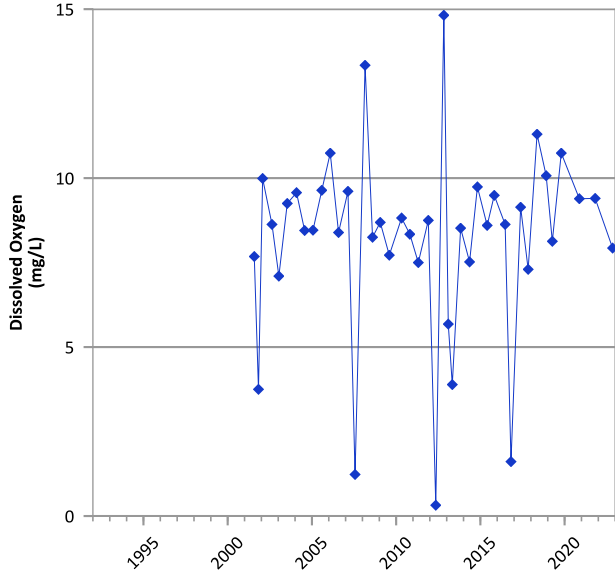
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/15/1995 to 11/07/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

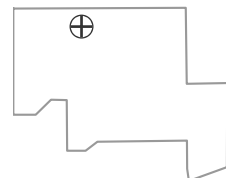


**PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/04/2001 to 11/07/2022  
 Analysis Date: 04/27/2023

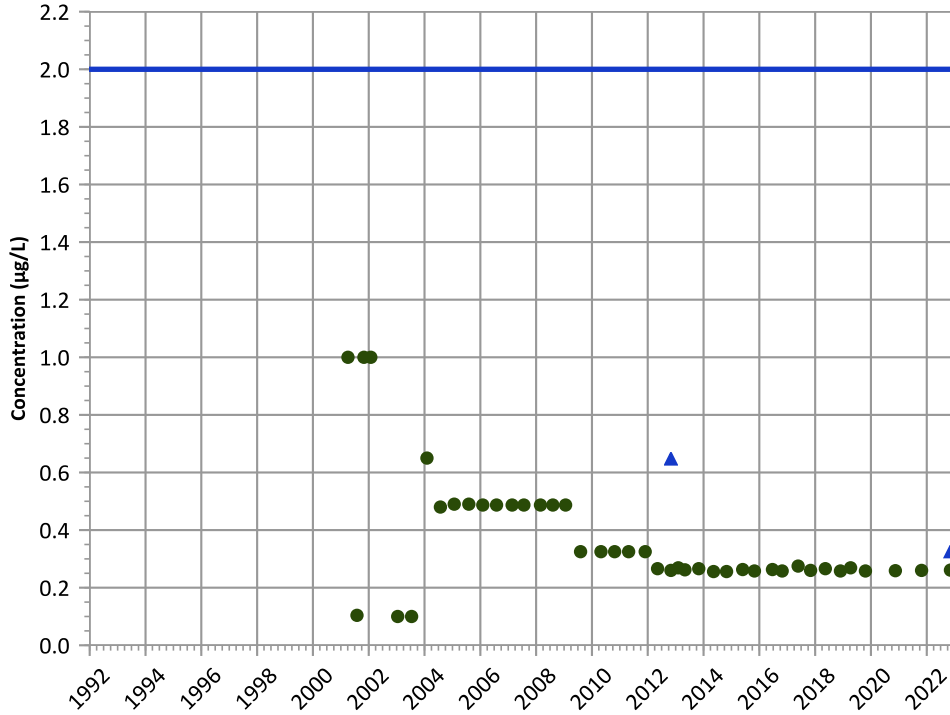
Well Location





PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

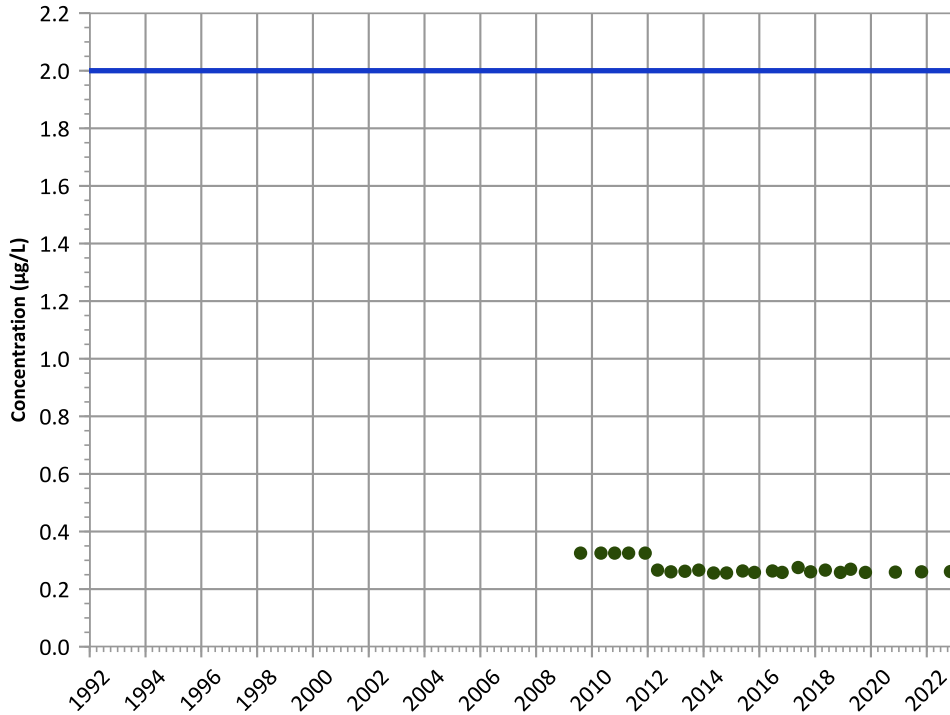


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

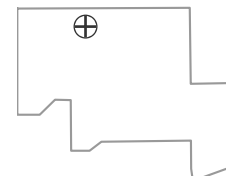
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

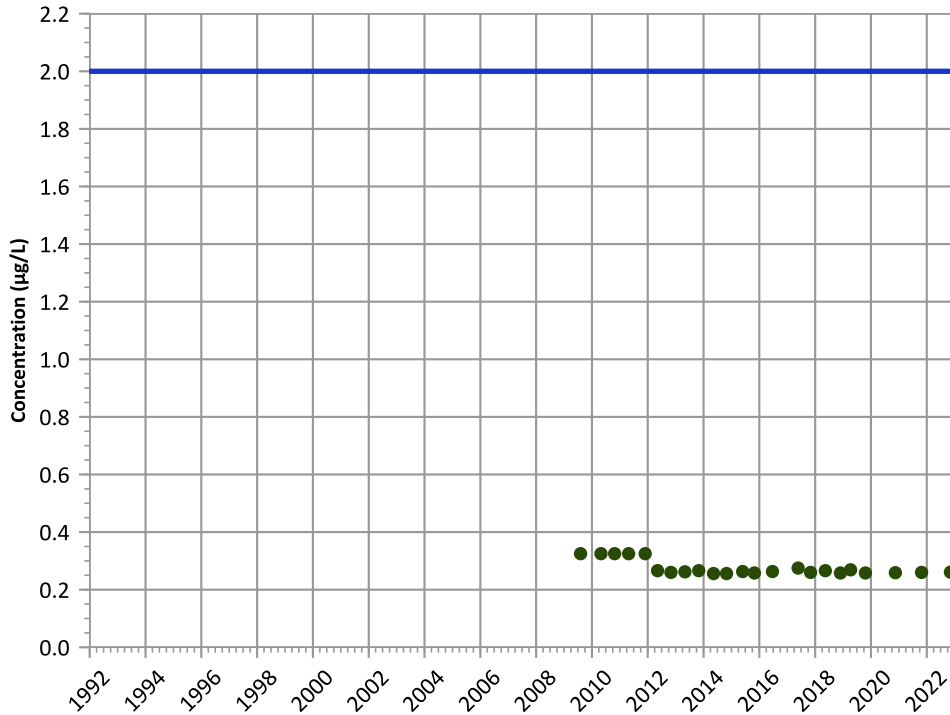
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

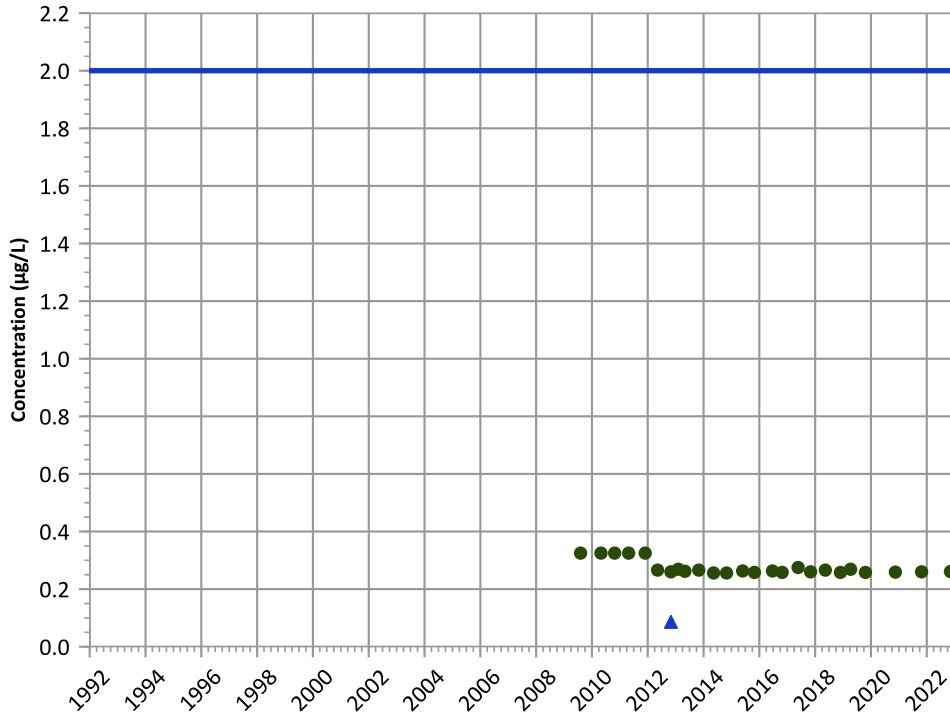


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

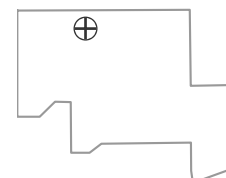


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

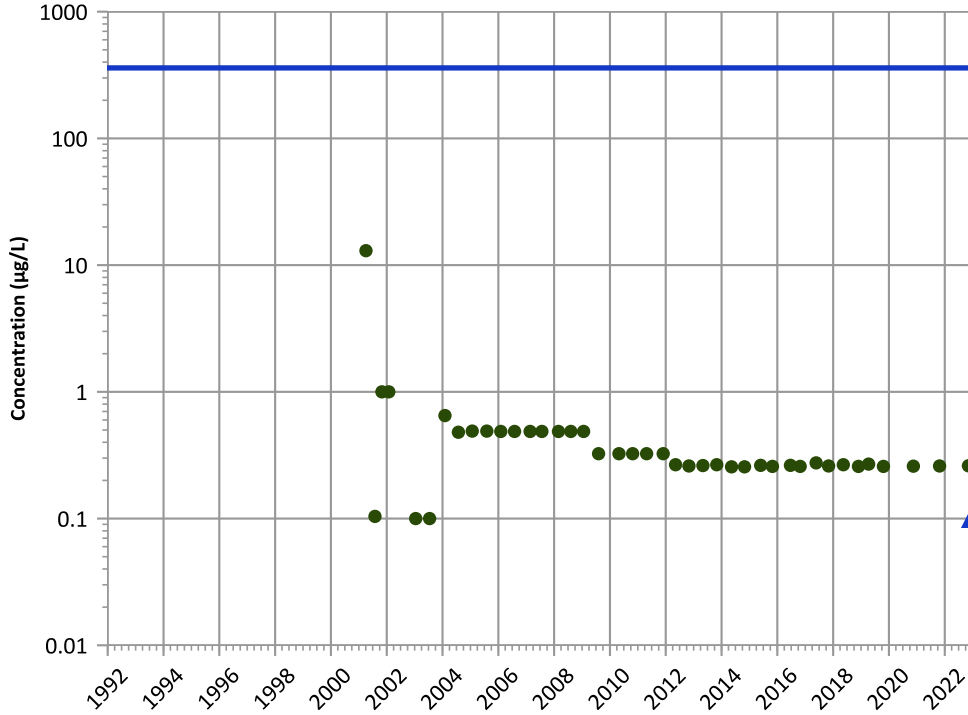


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

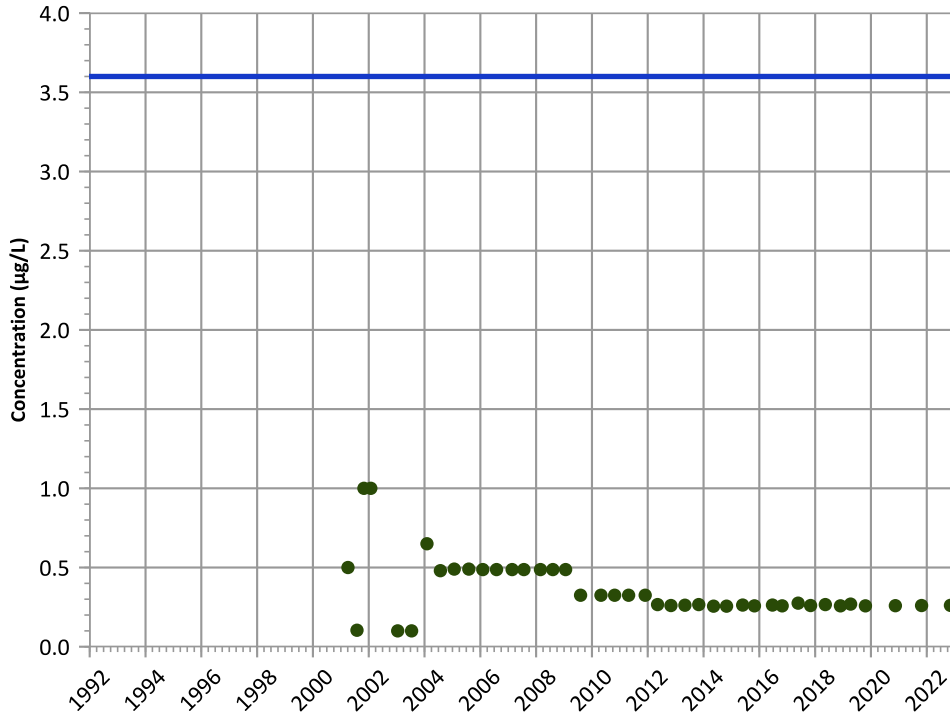


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

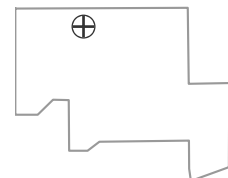
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

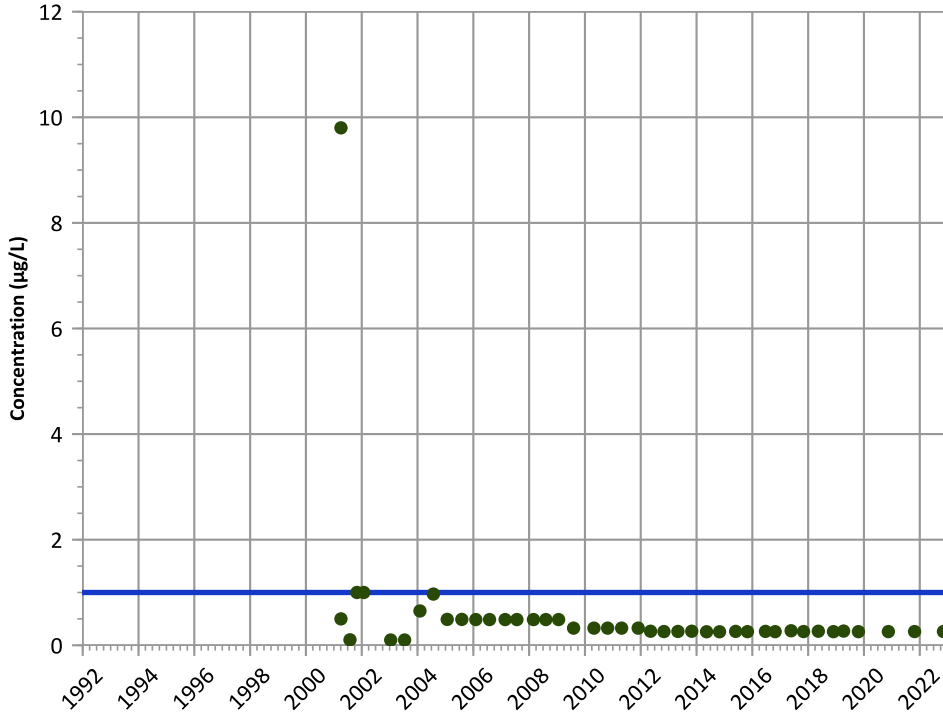
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

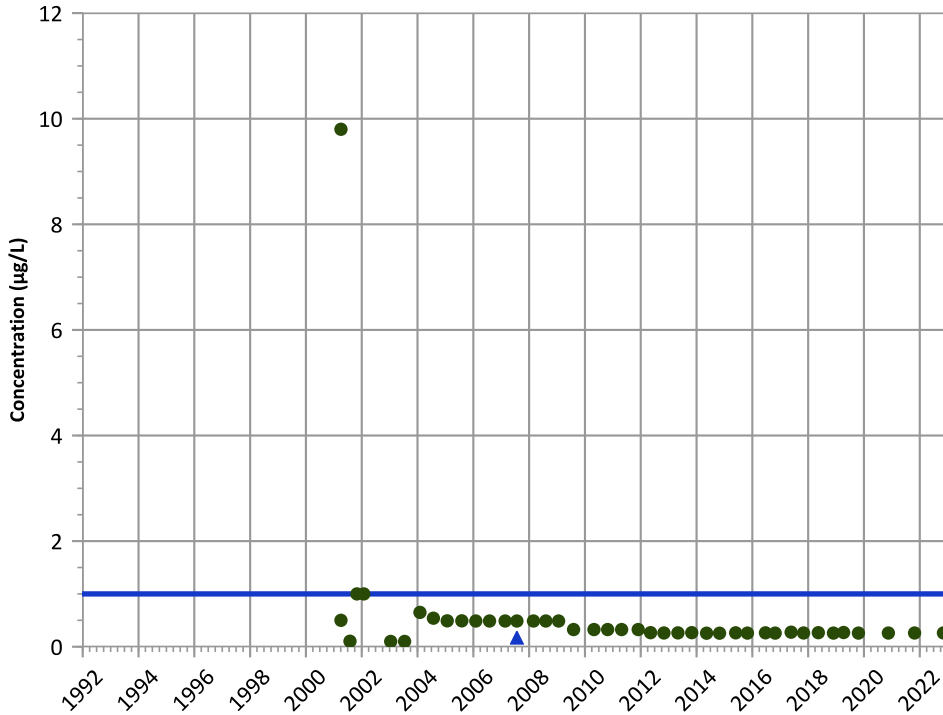
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

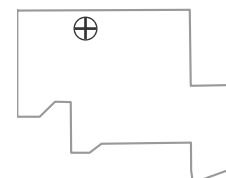
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

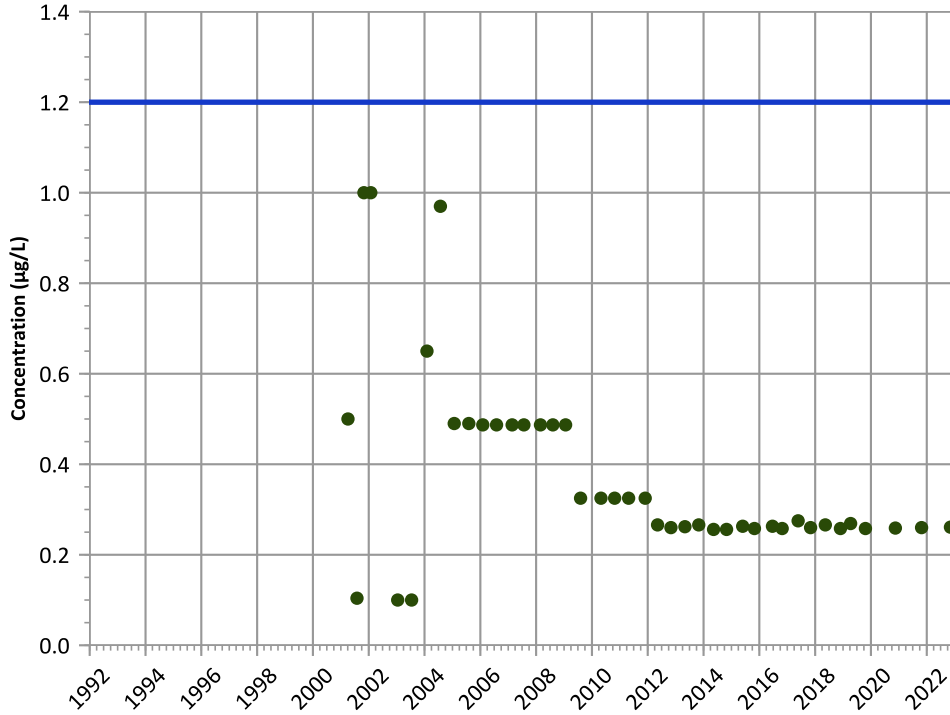
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

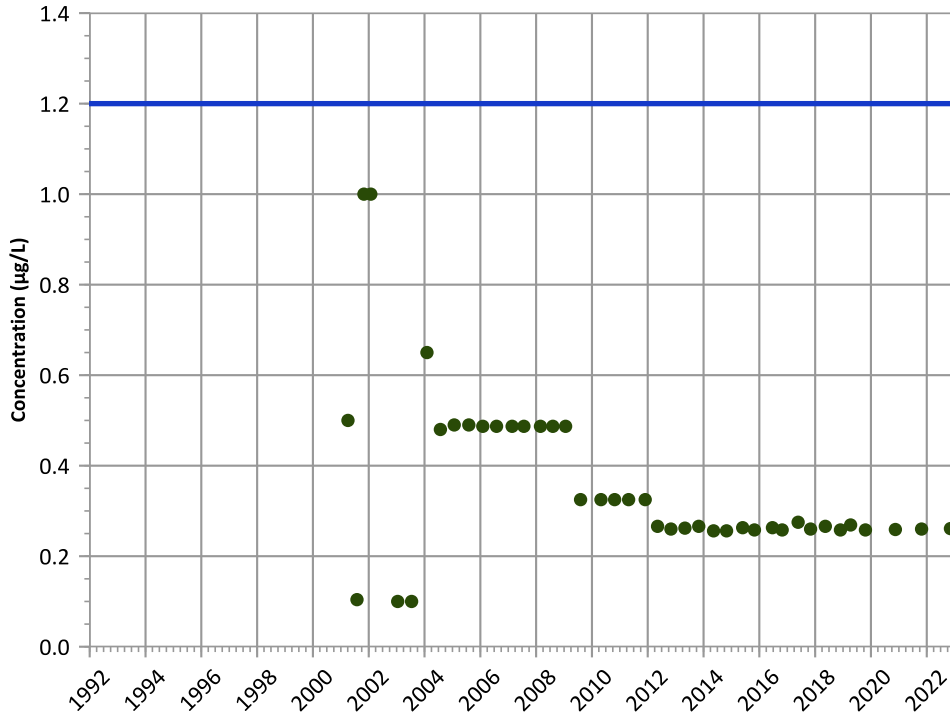


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

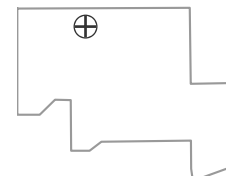
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

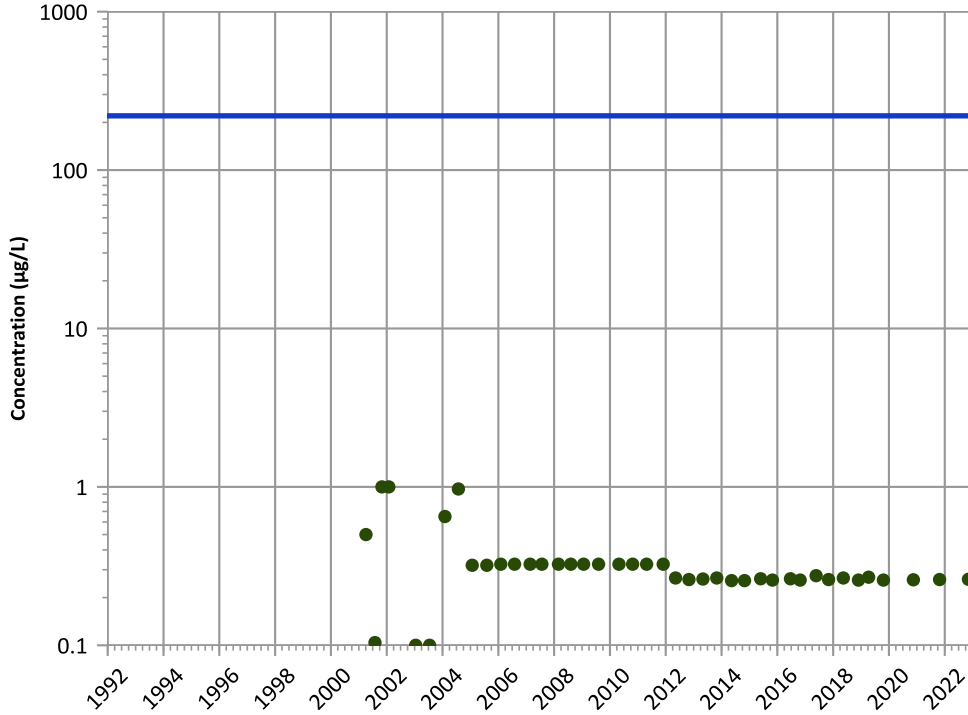
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

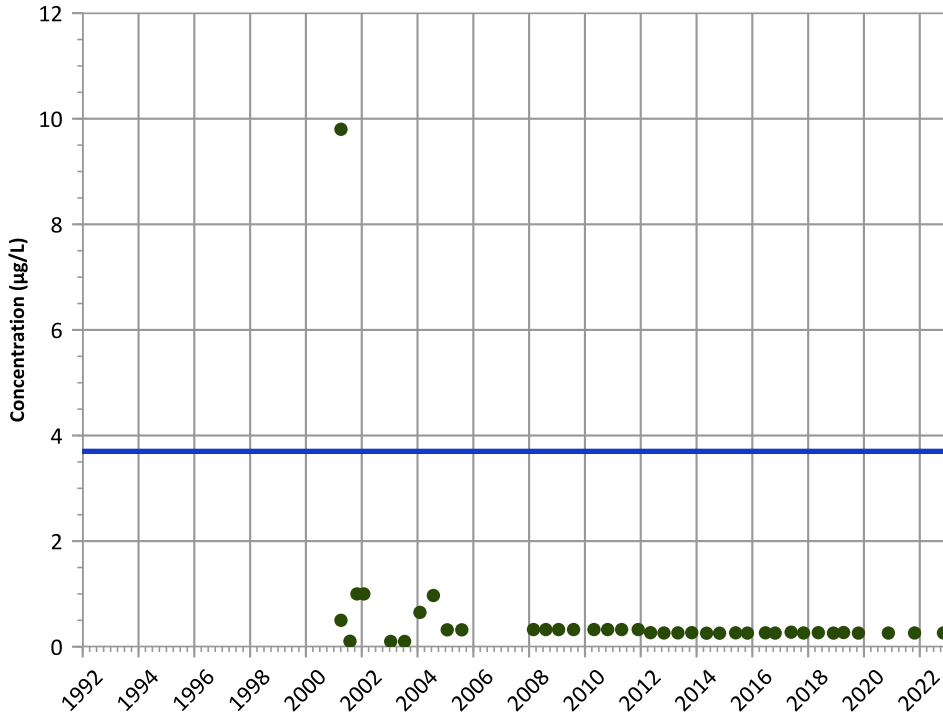
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

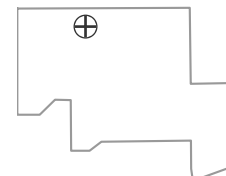
2020 - 2022 Data:

All Non-Detect

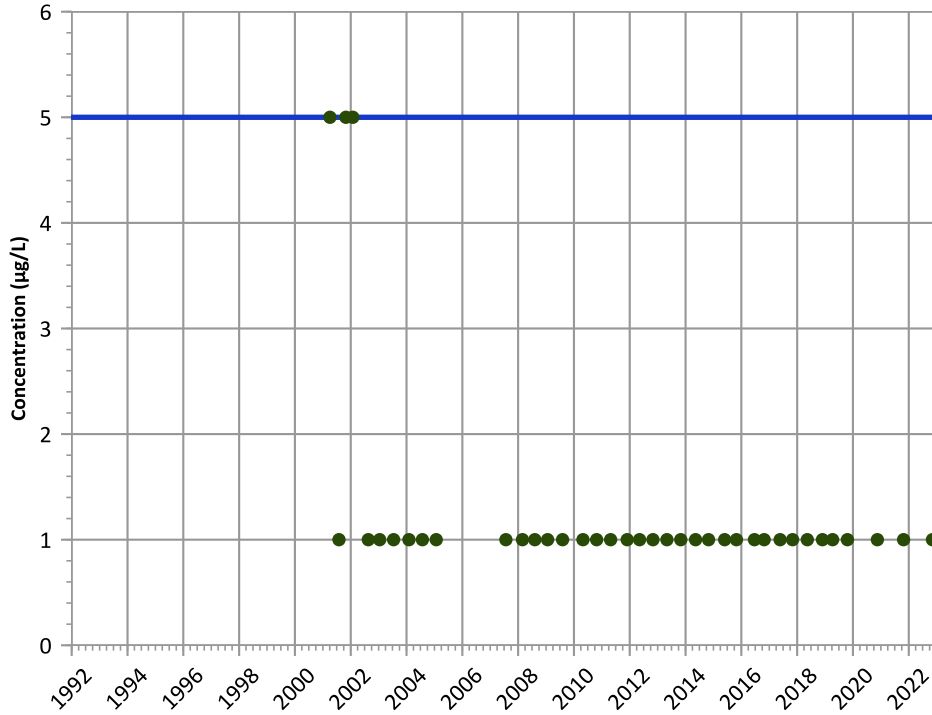
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

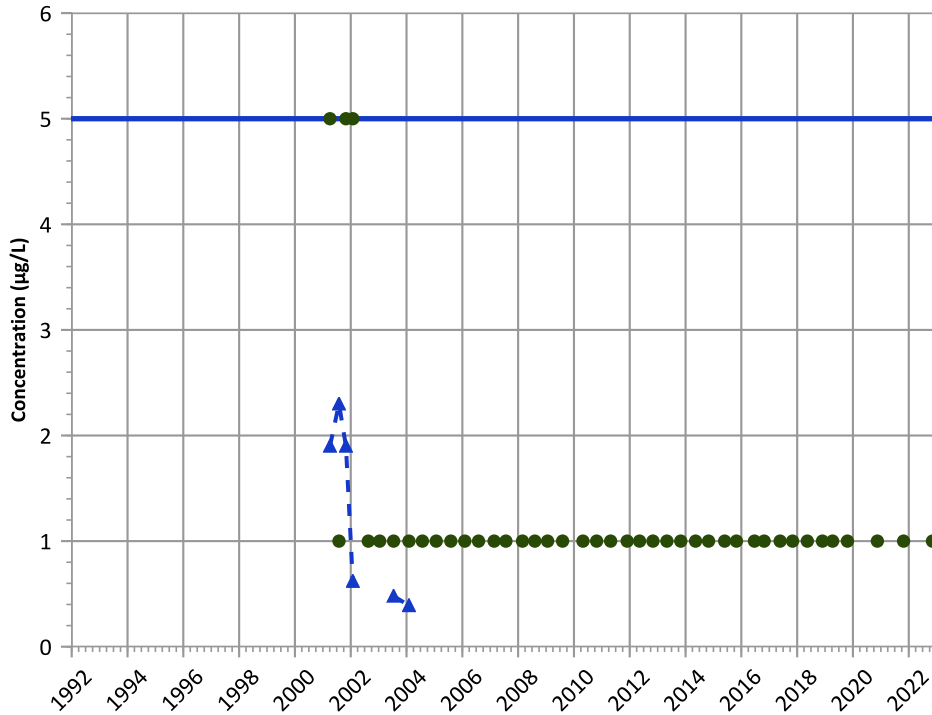
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

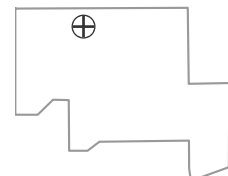
2020 - 2022 Data:

Decreasing

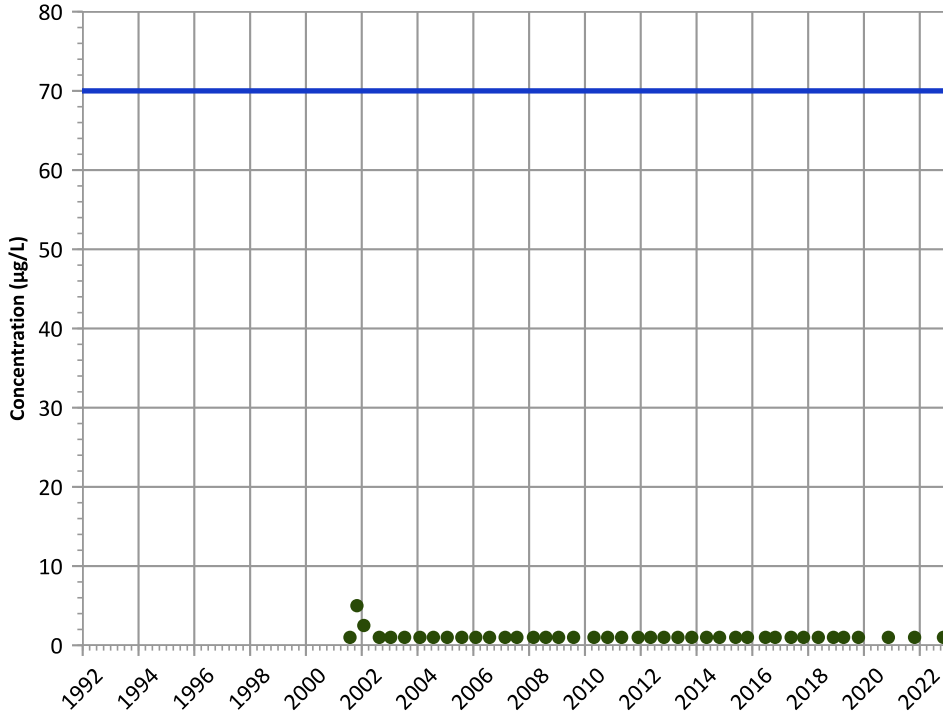
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

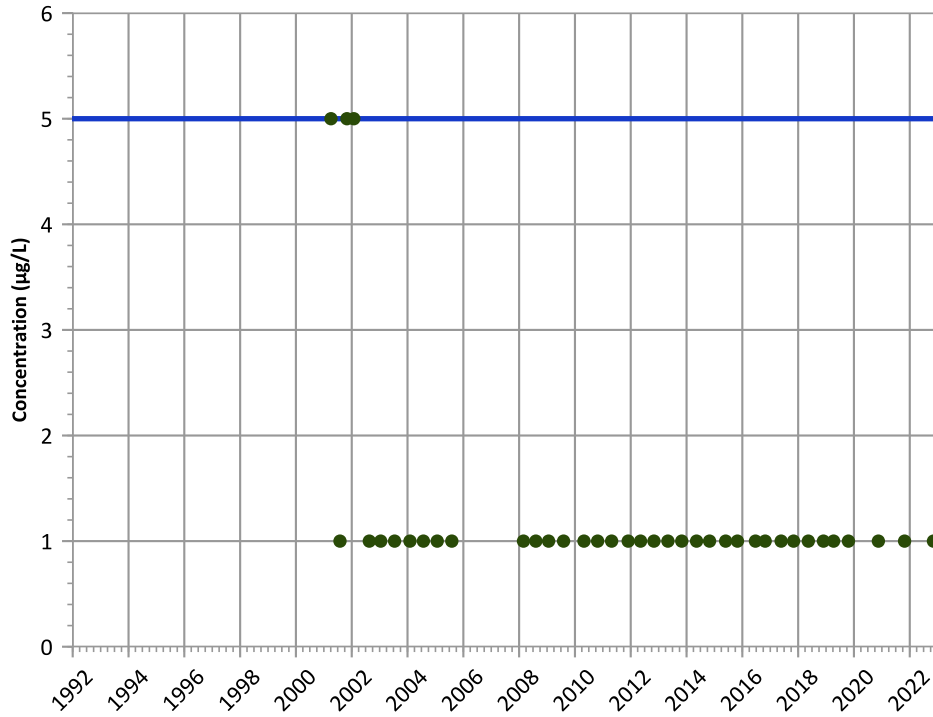
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

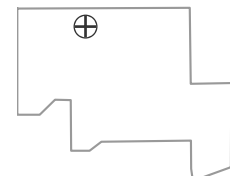
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

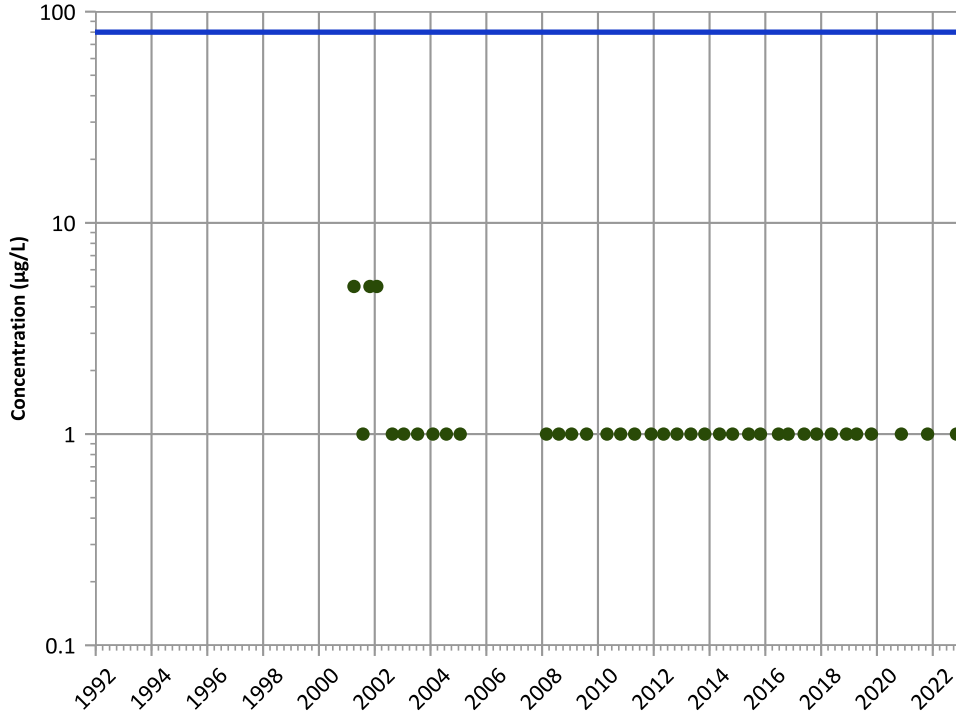


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard



**PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

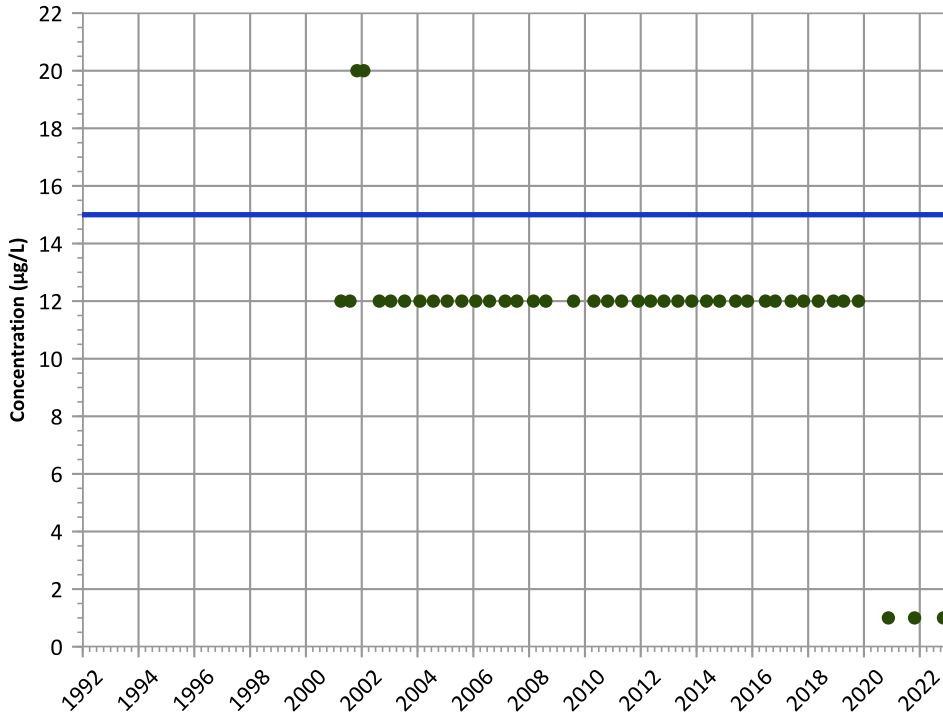


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Perchlorate Trend**

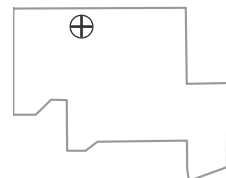


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

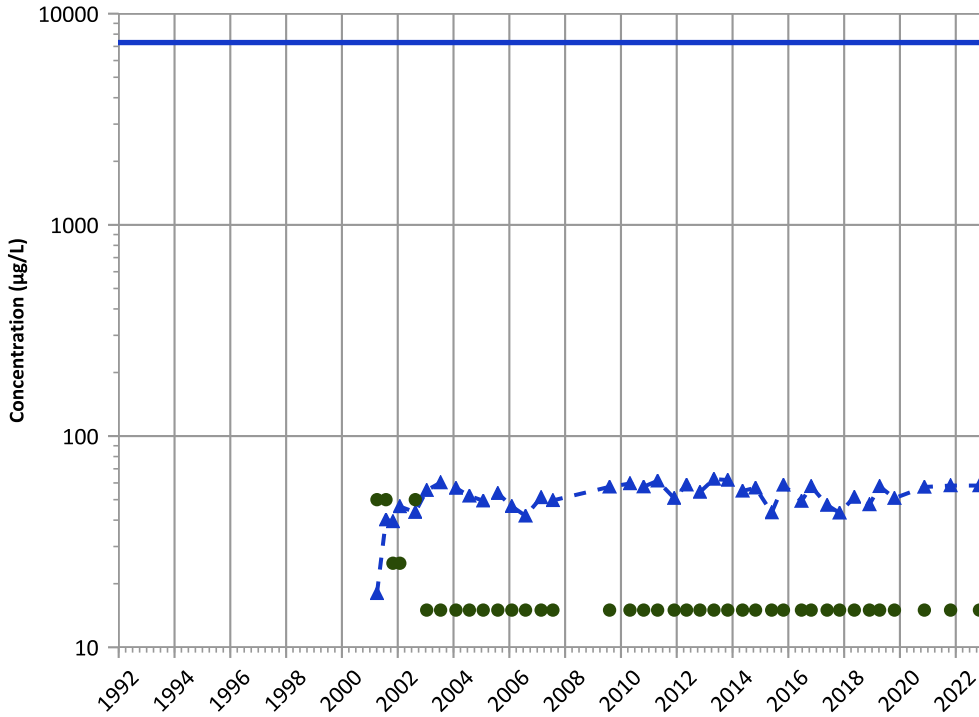


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend

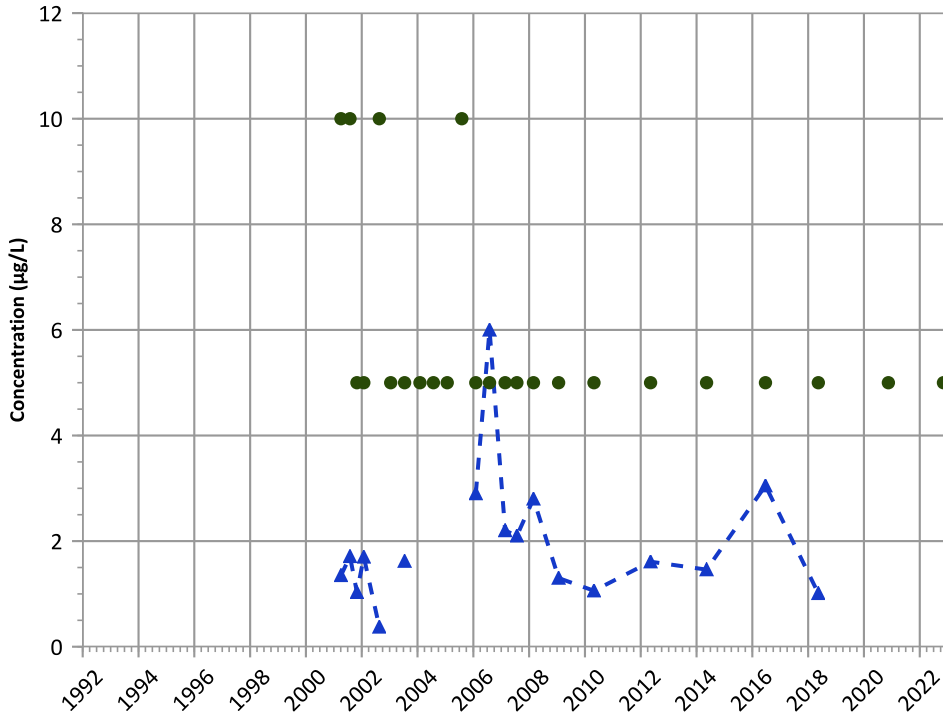


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Increasing

Manganese Trend

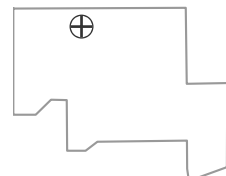


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

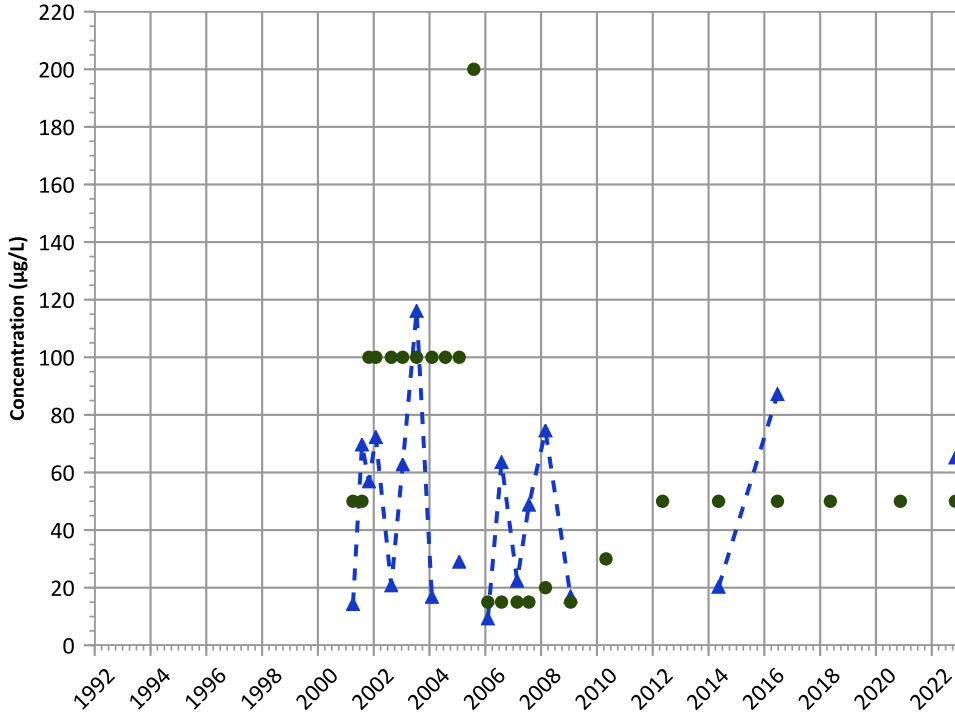


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend

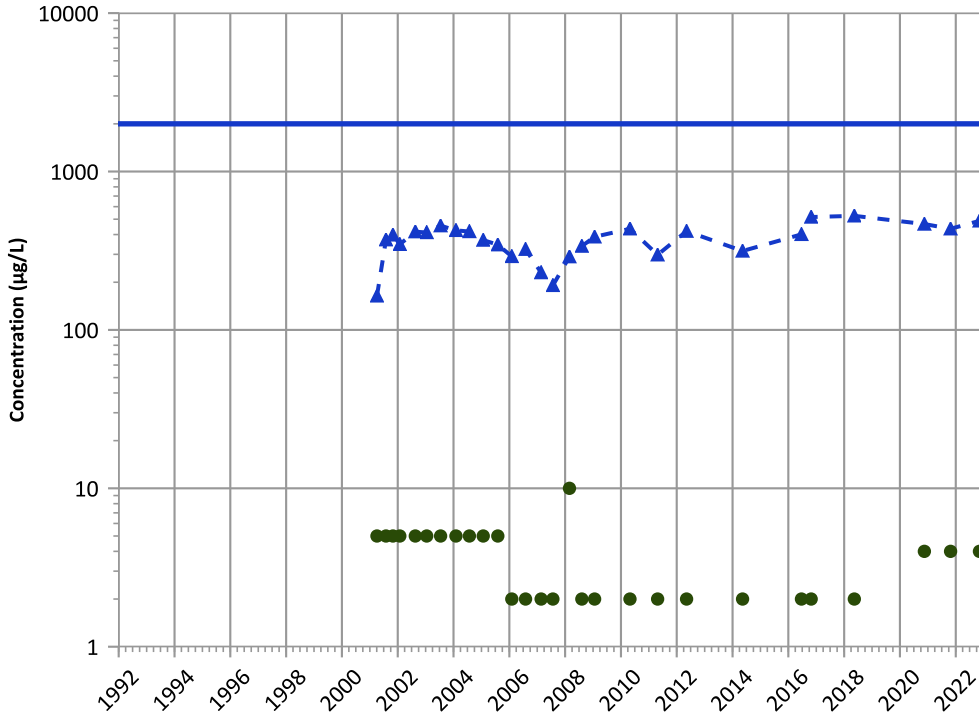


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Probably Increasing

Barium Trend



Concentration Trend

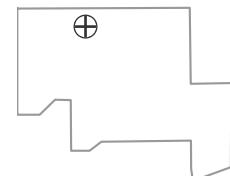
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

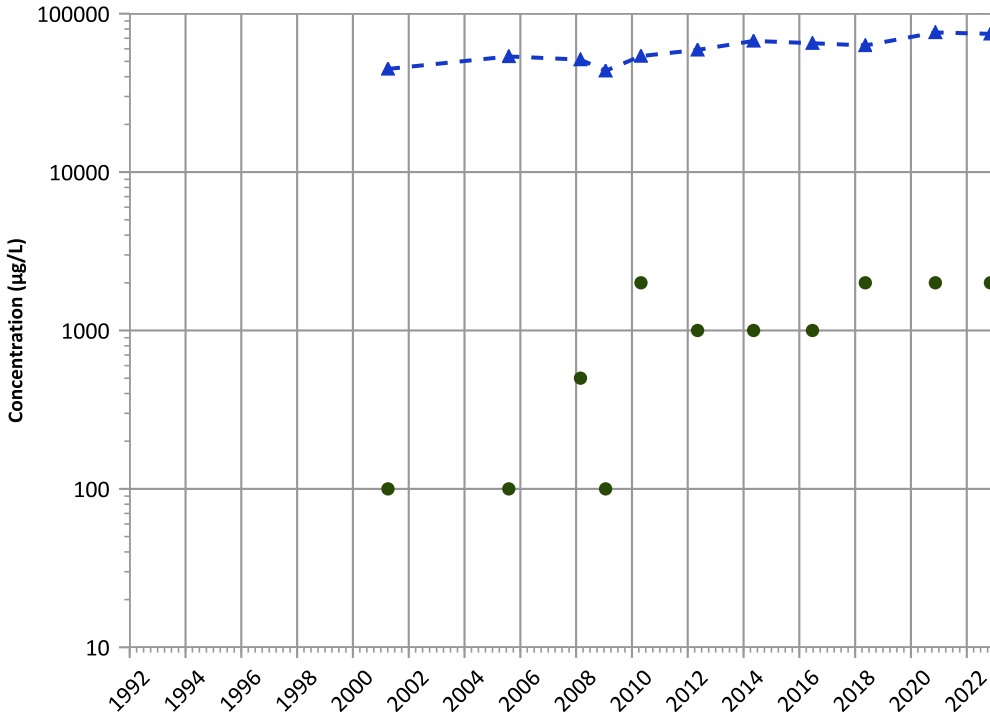
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

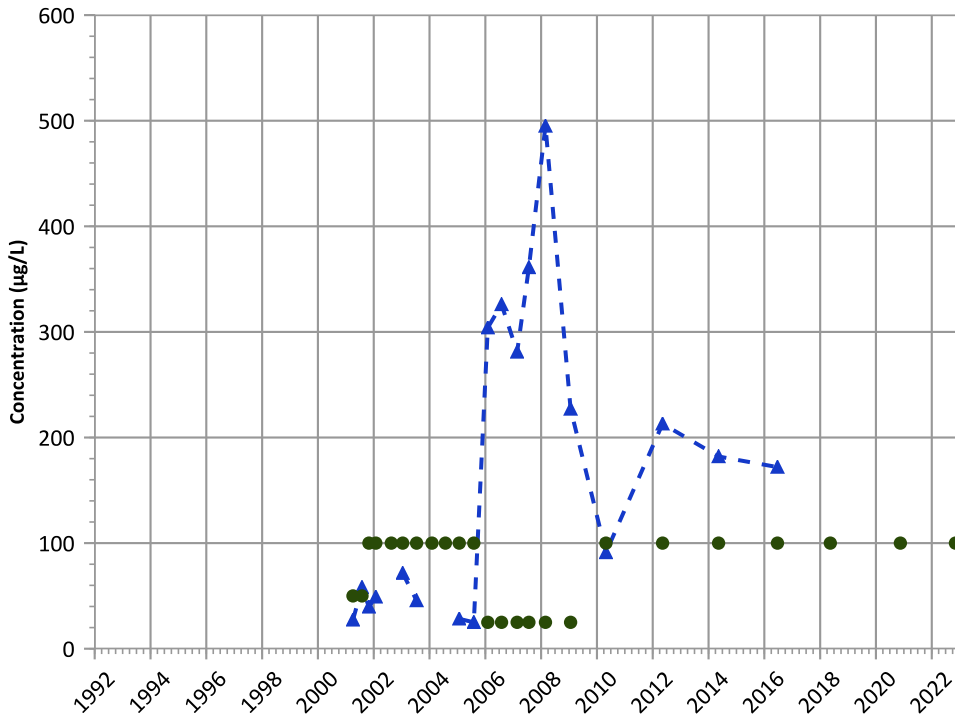
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

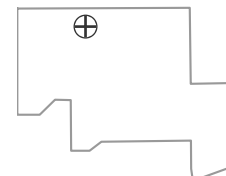
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

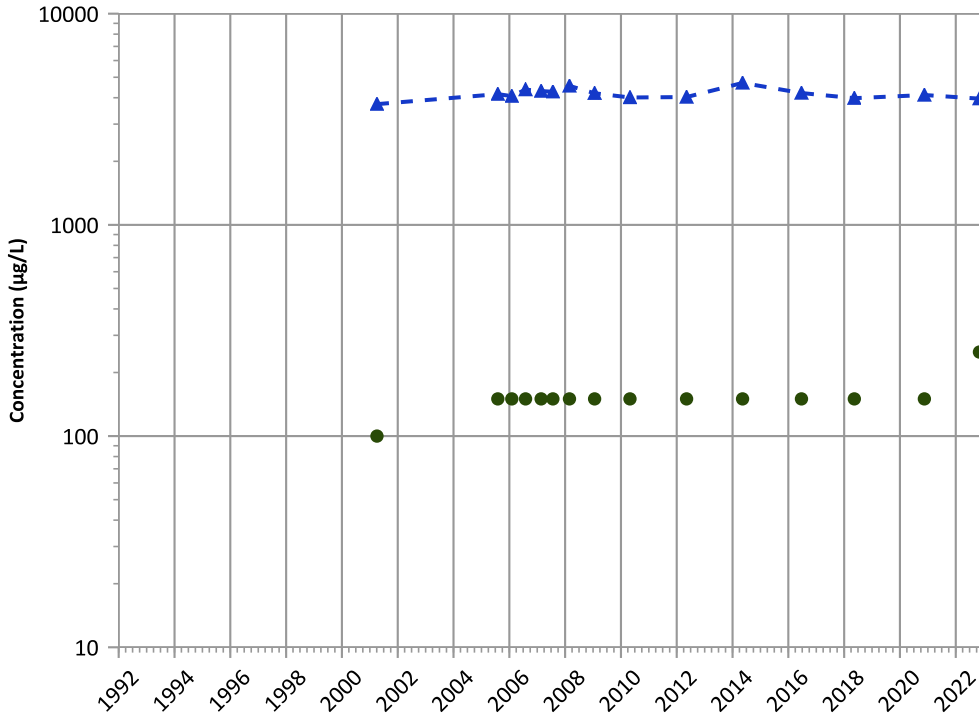
Data Date Range: 04/04/2001 to 11/07/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

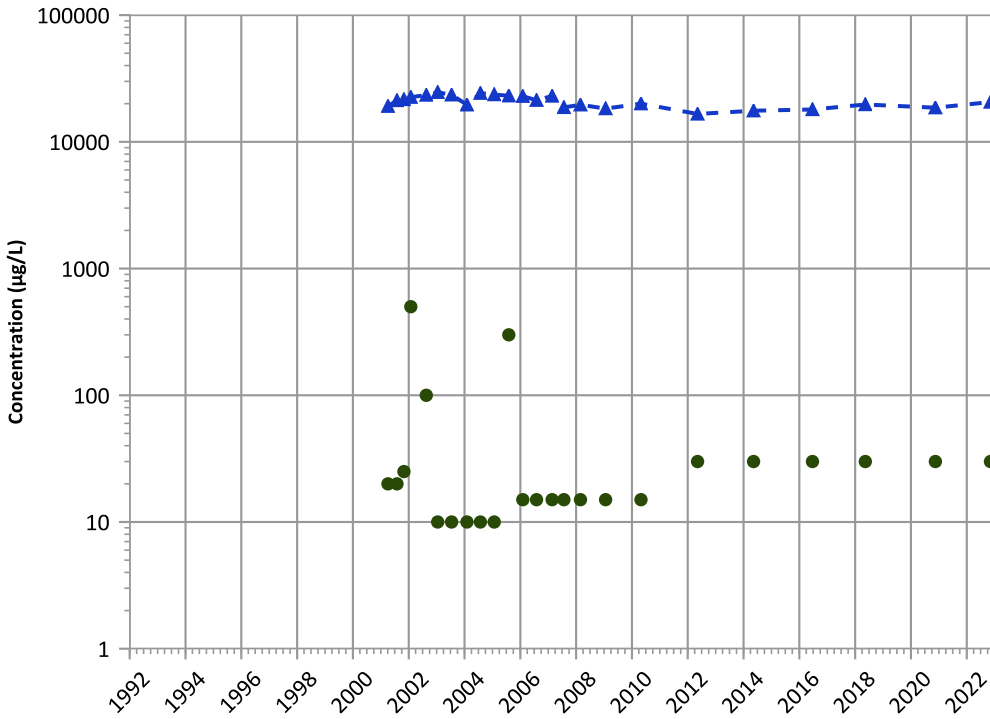


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Magnesium Trend

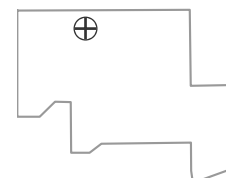


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

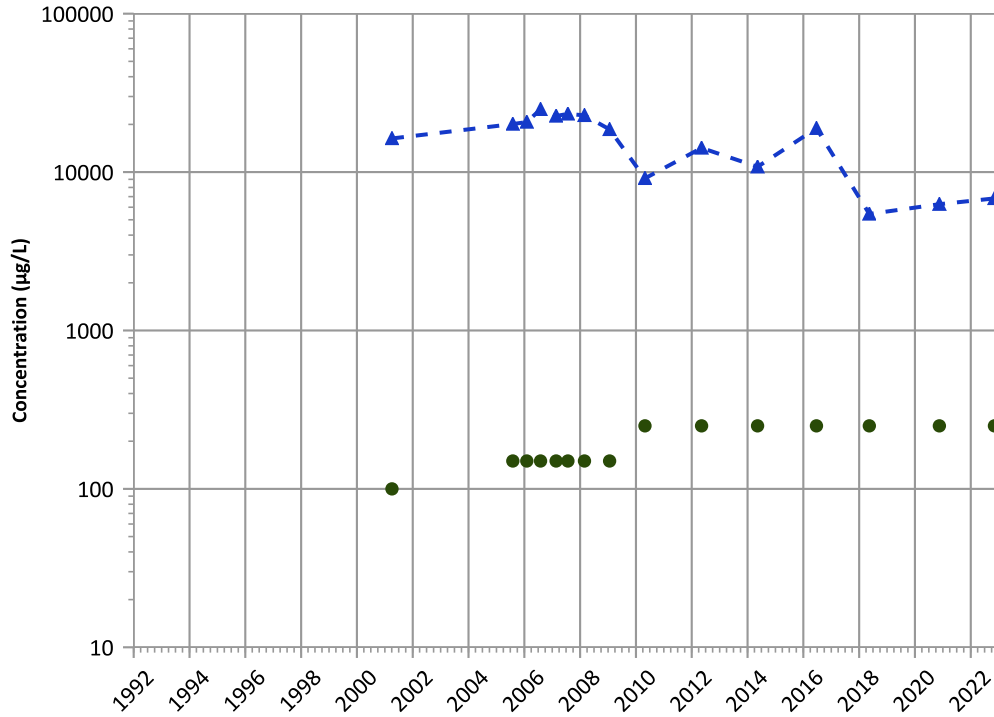
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend



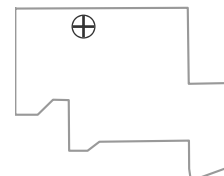
**Concentration Trend**  
 MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 Stable  
 2020 - 2022 Data:  
 No Trend

MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 Stable  
 2020 - 2022 Data:  
 Decreasing

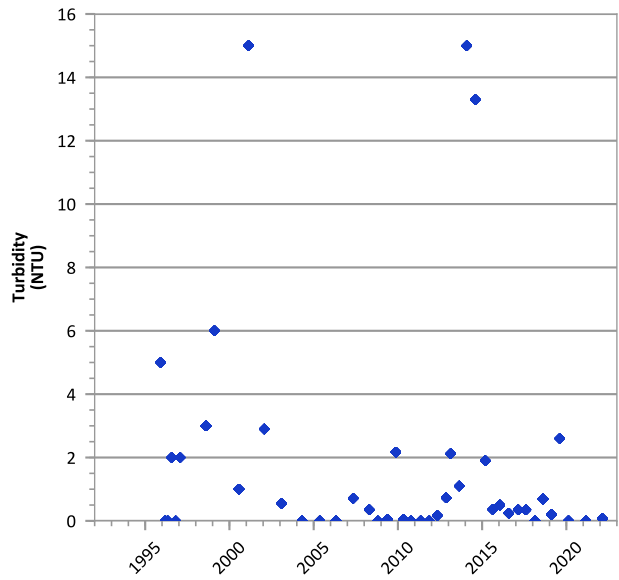
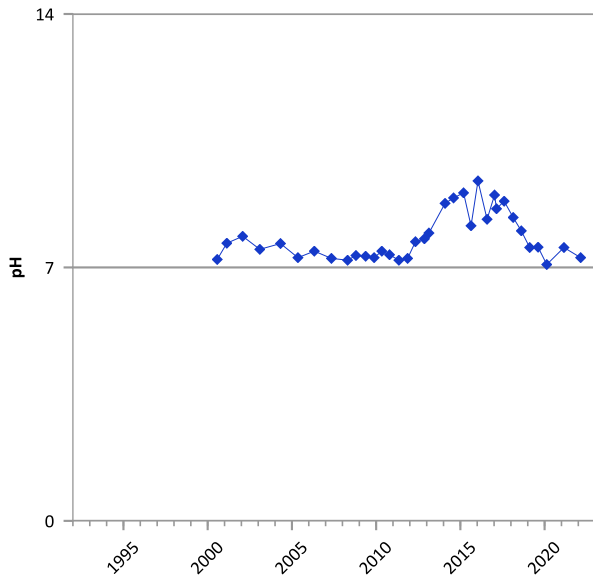
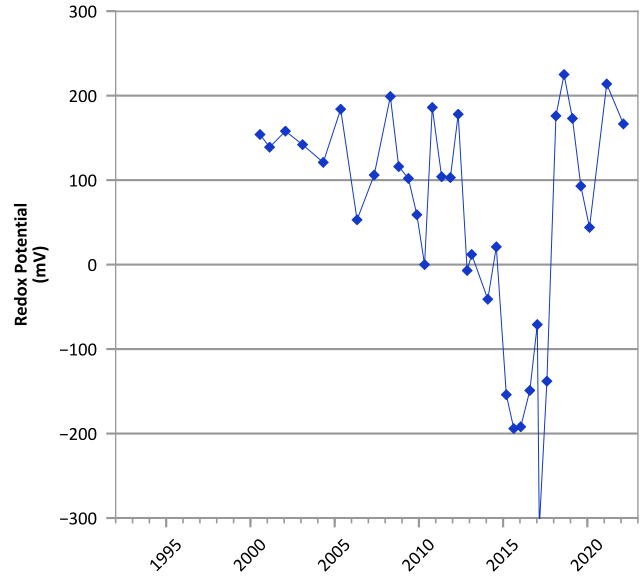
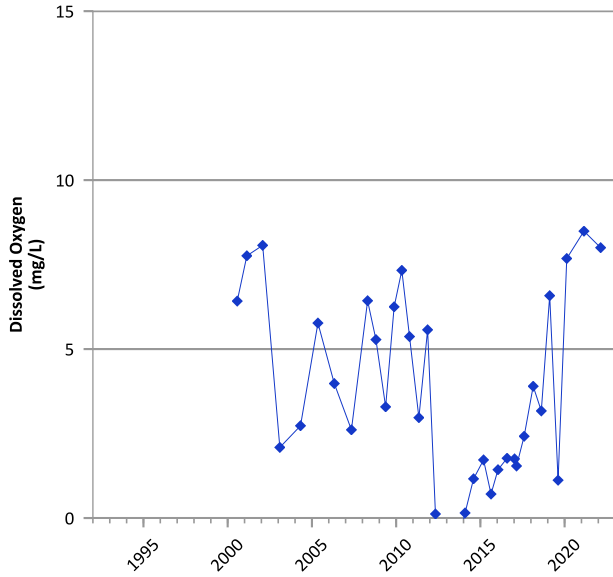
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/04/2001 to 11/07/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

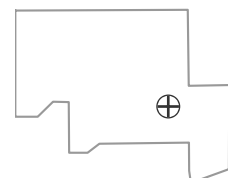


**PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



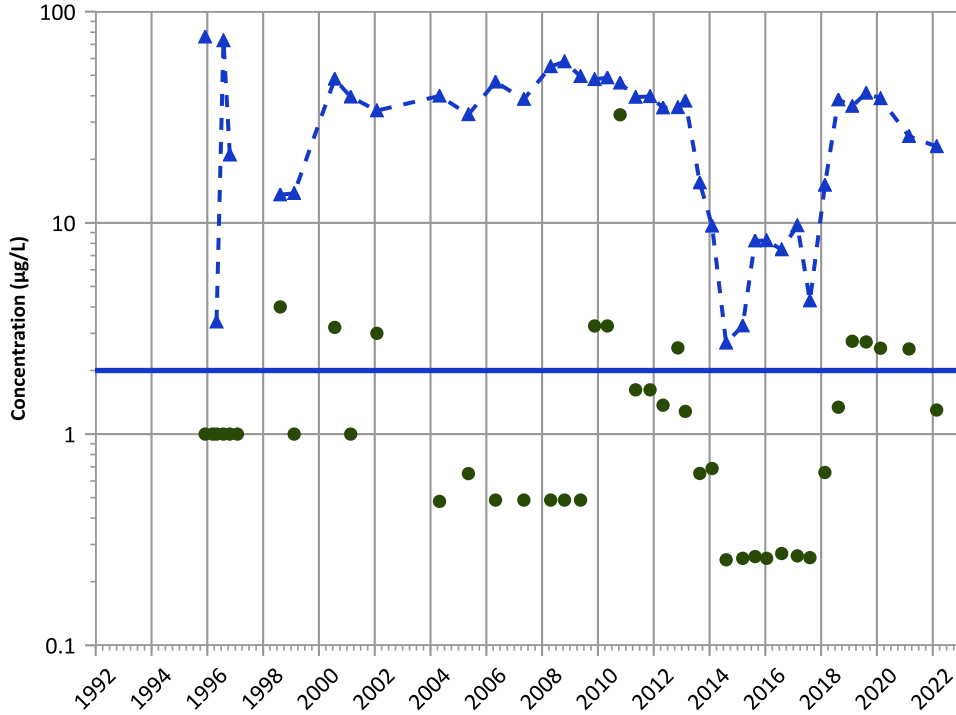
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/04/1995 to 02/21/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

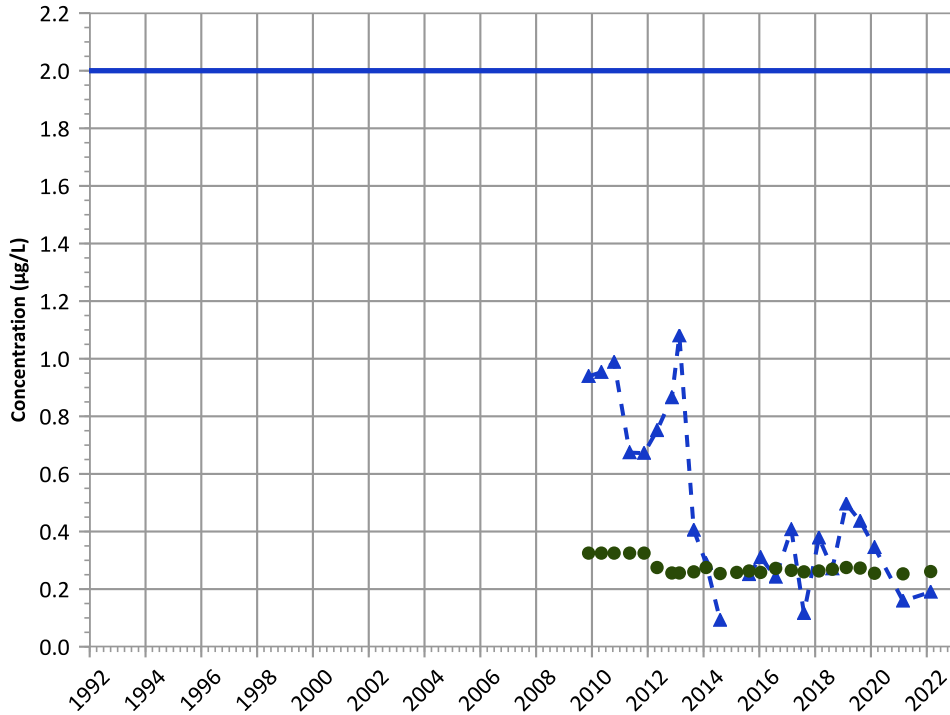


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

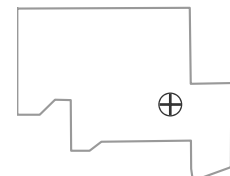


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Well Location



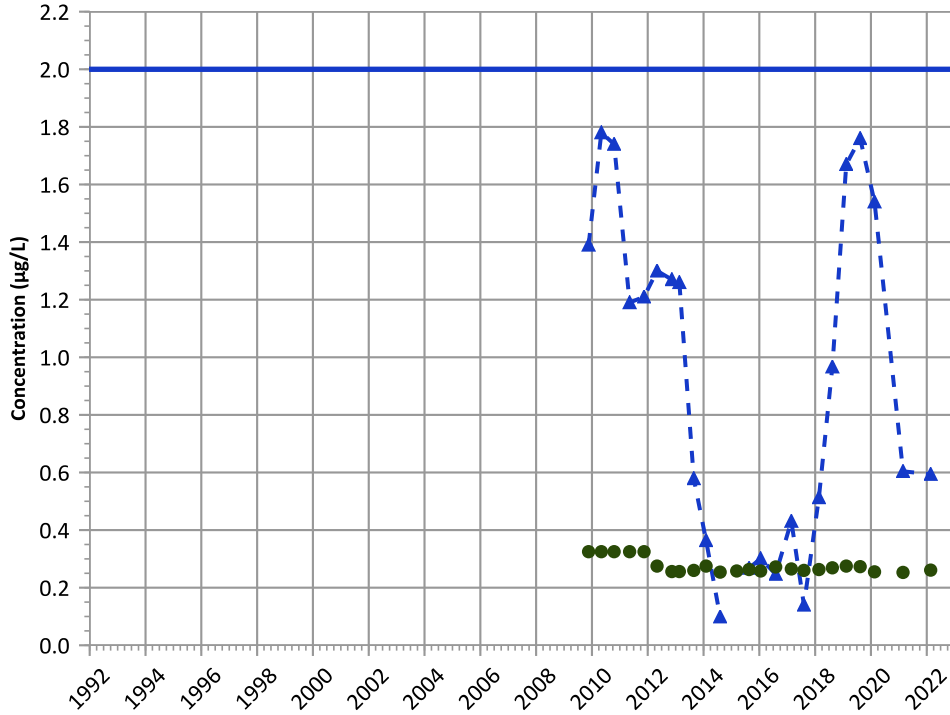
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

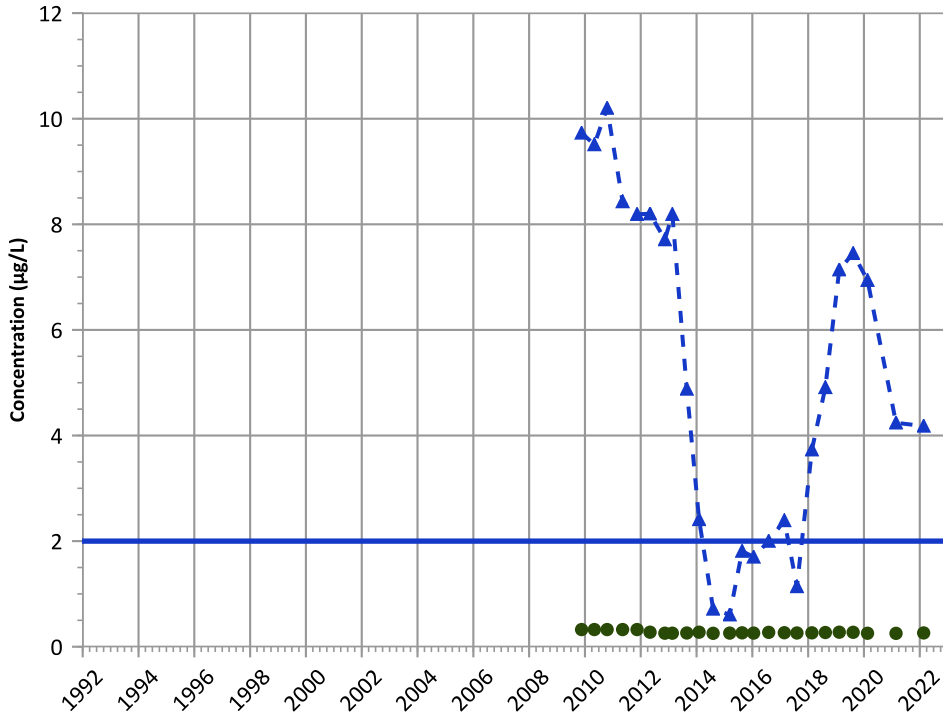


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

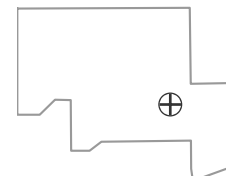
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

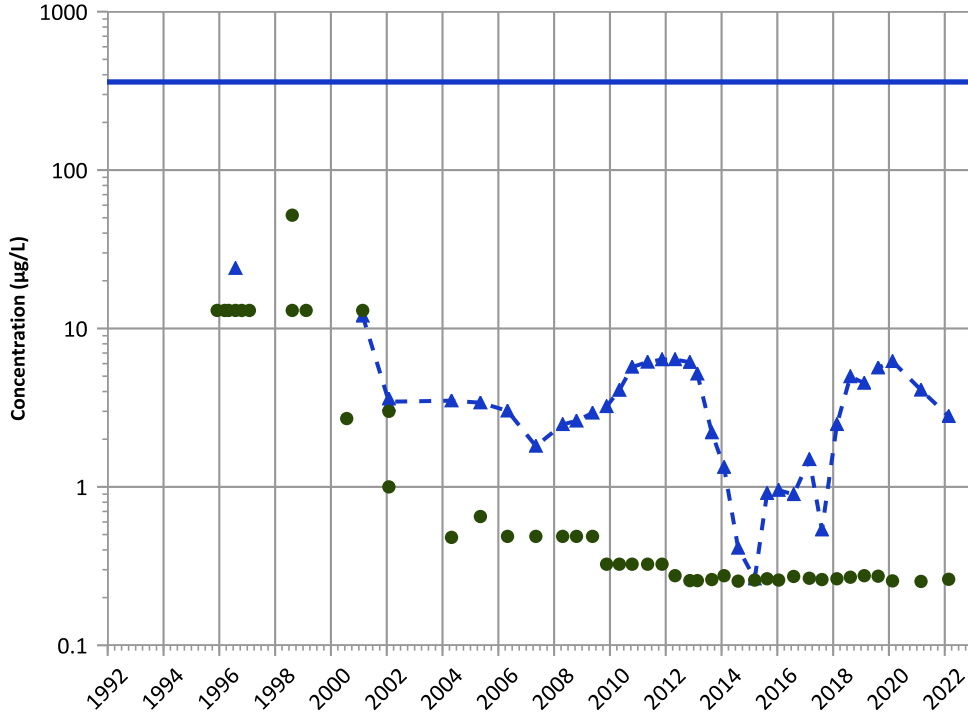
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

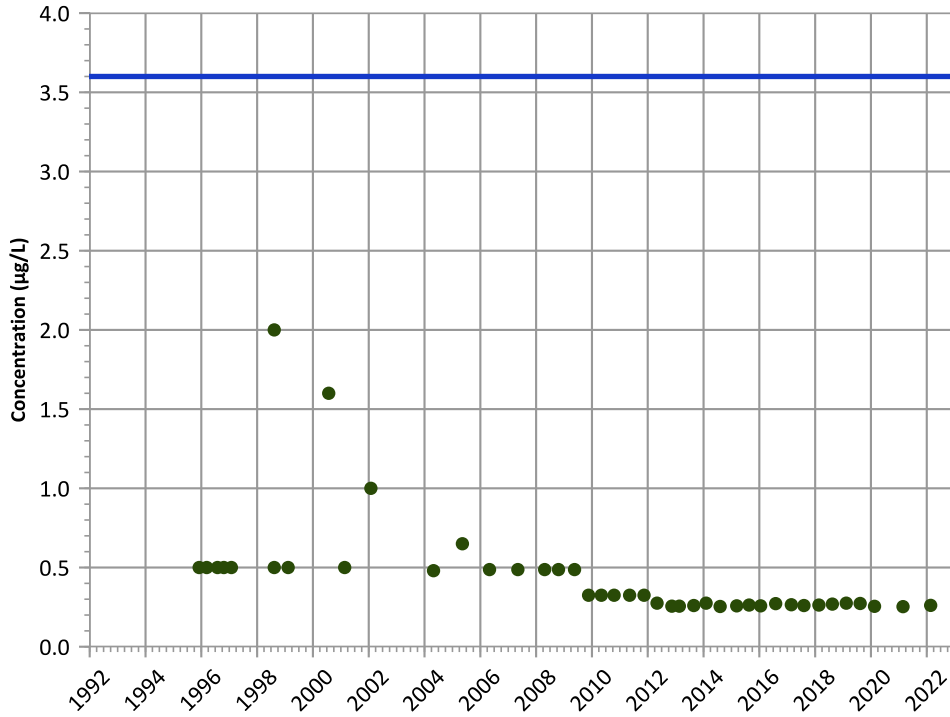
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

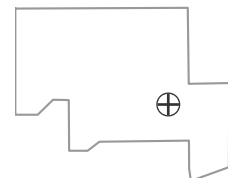
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

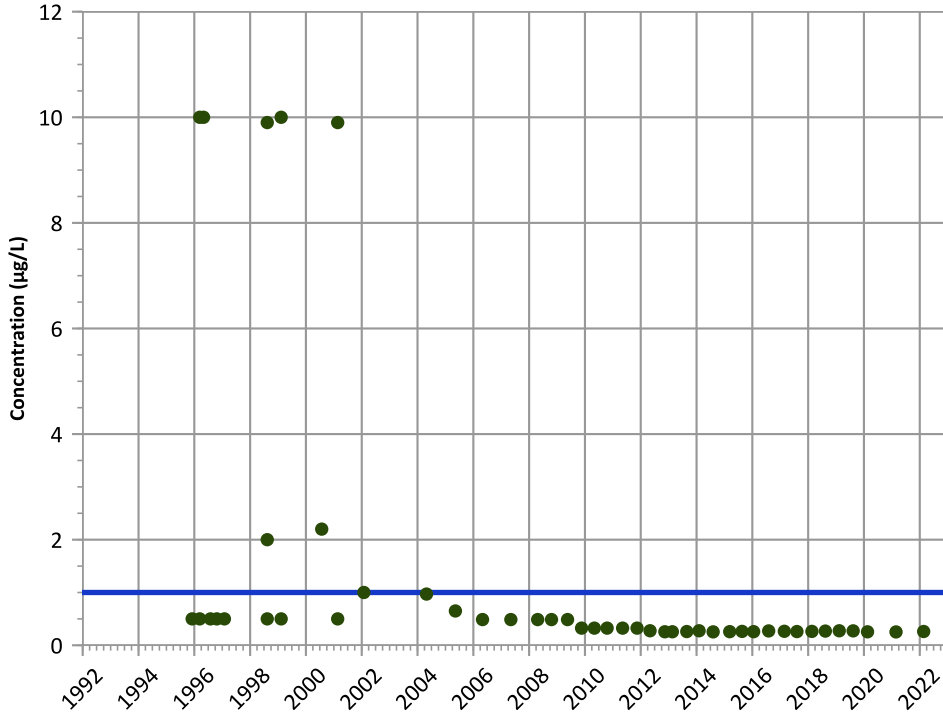
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

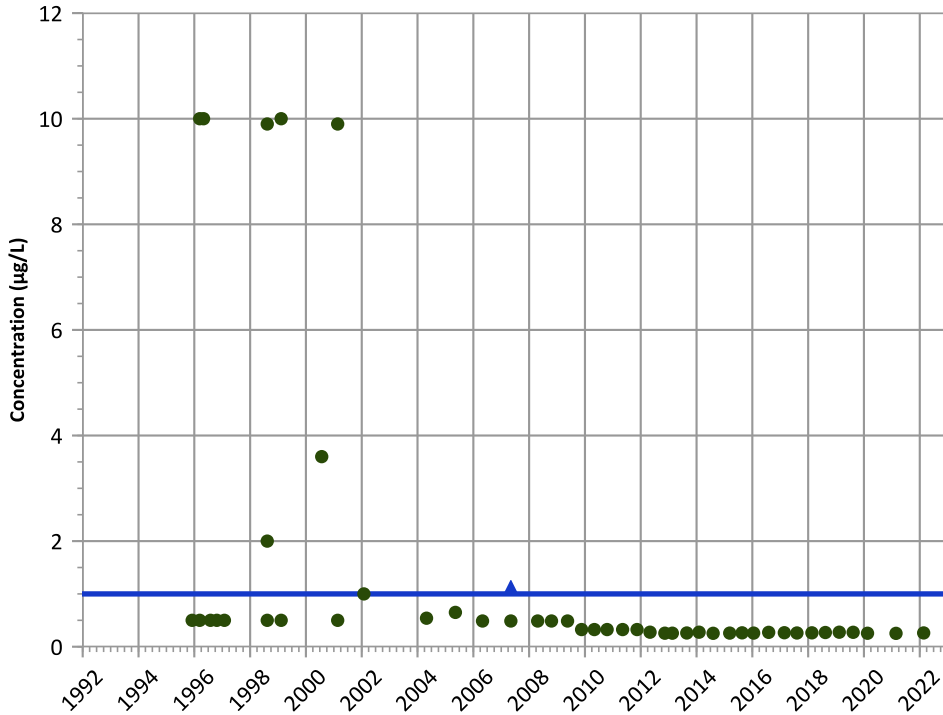
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

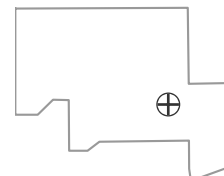
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

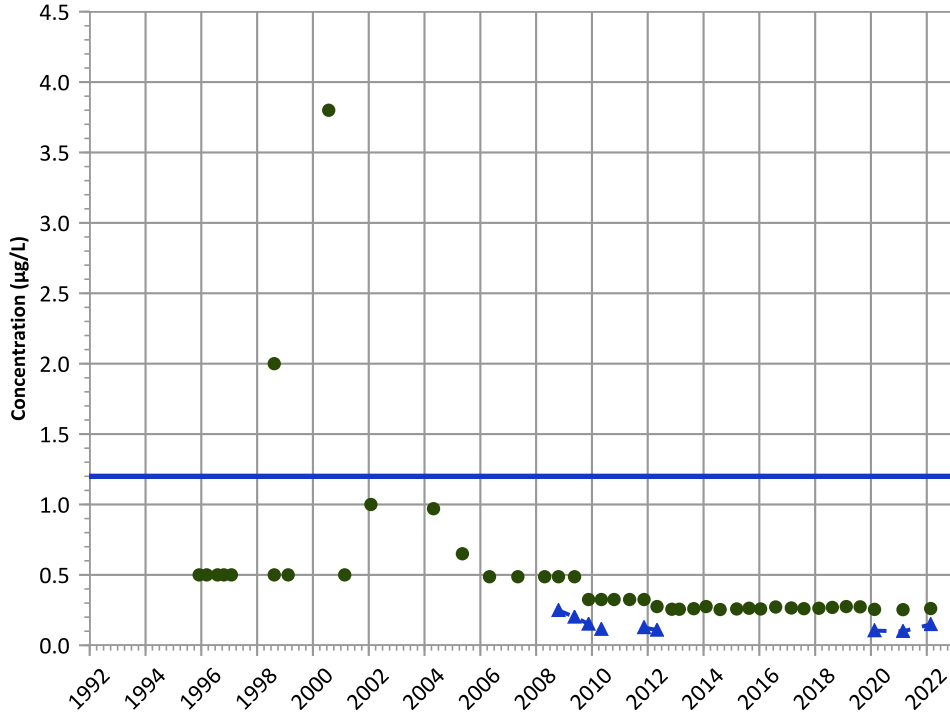
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

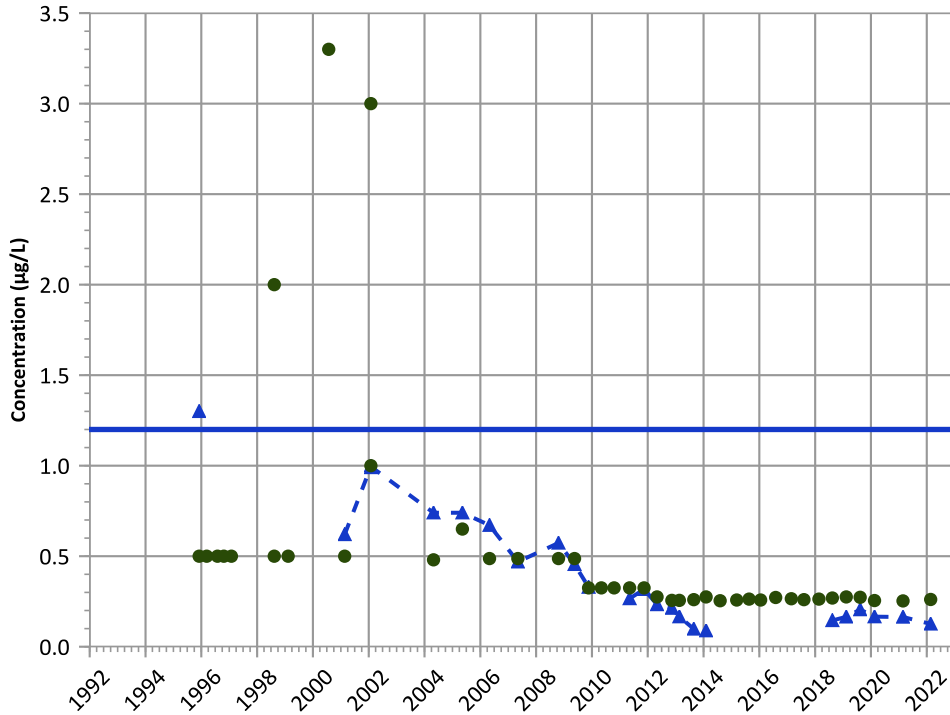
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

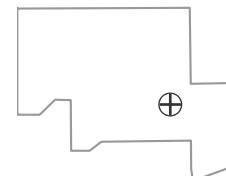
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

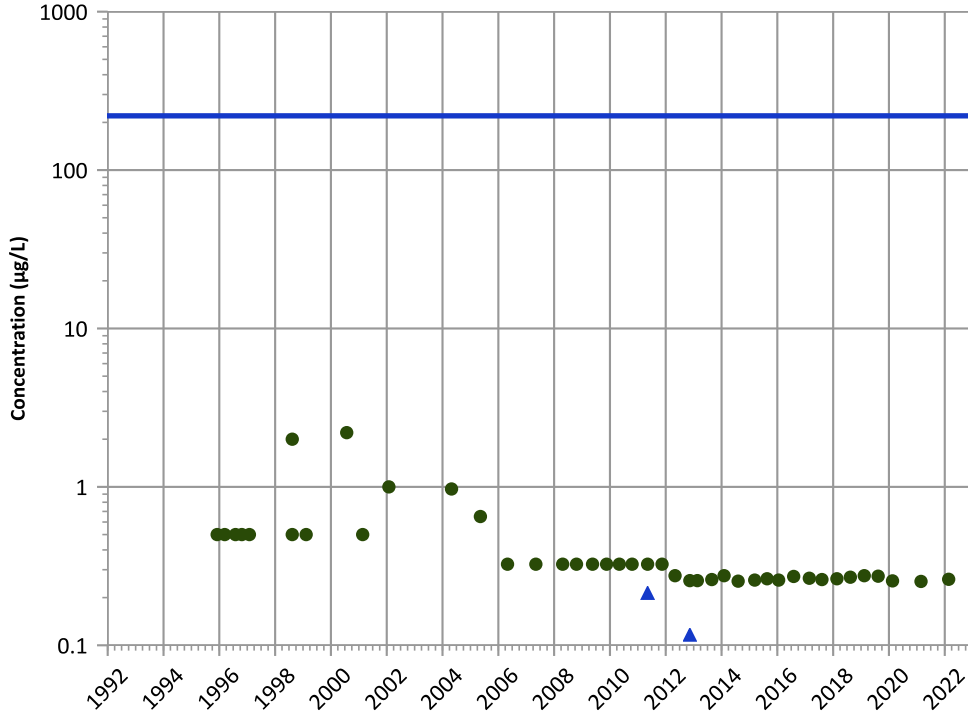
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

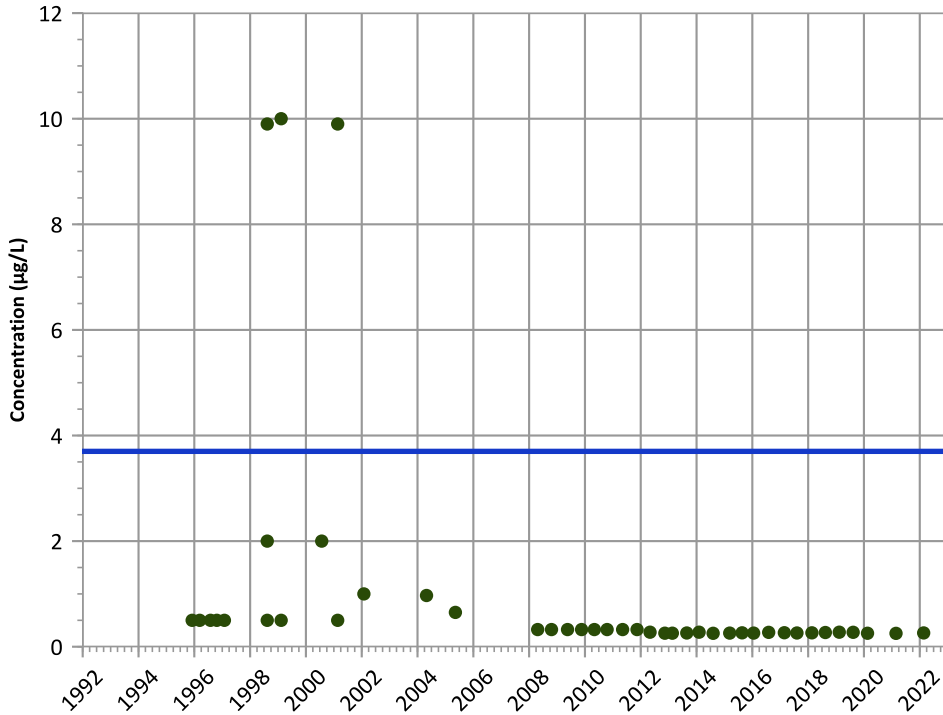


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

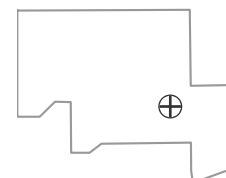
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

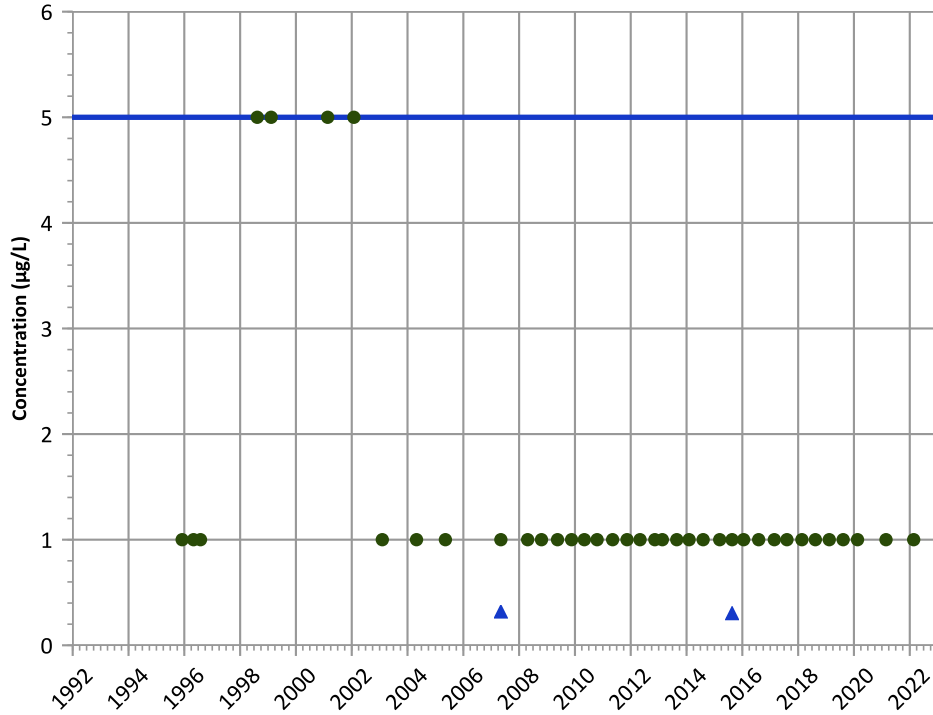
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend

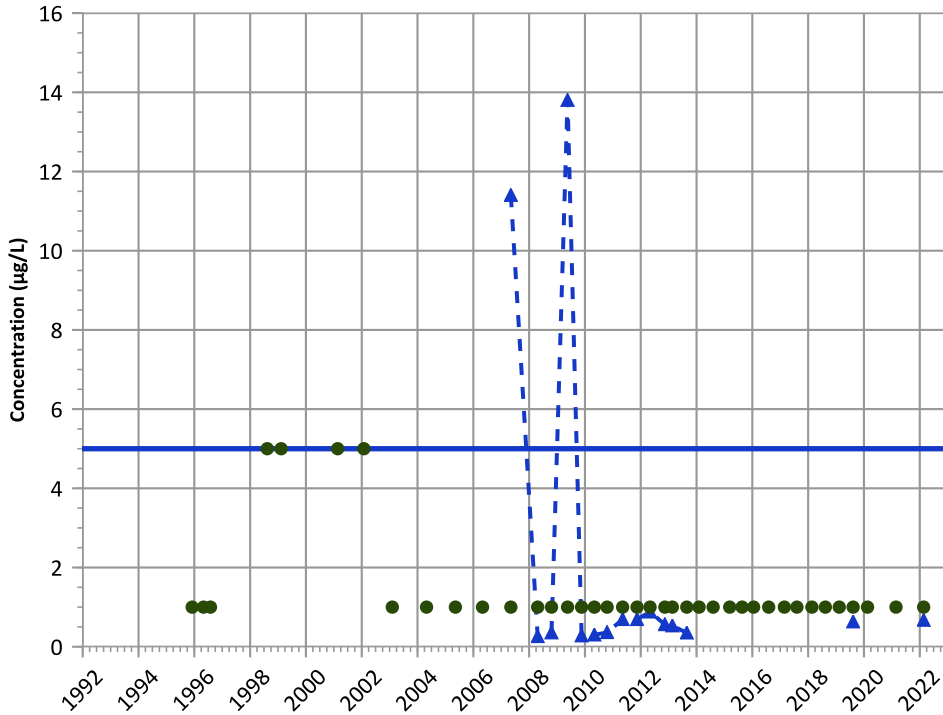


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Trichloroethene Trend



Concentration Trend

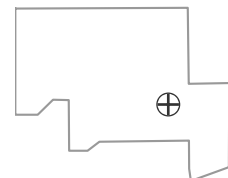
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

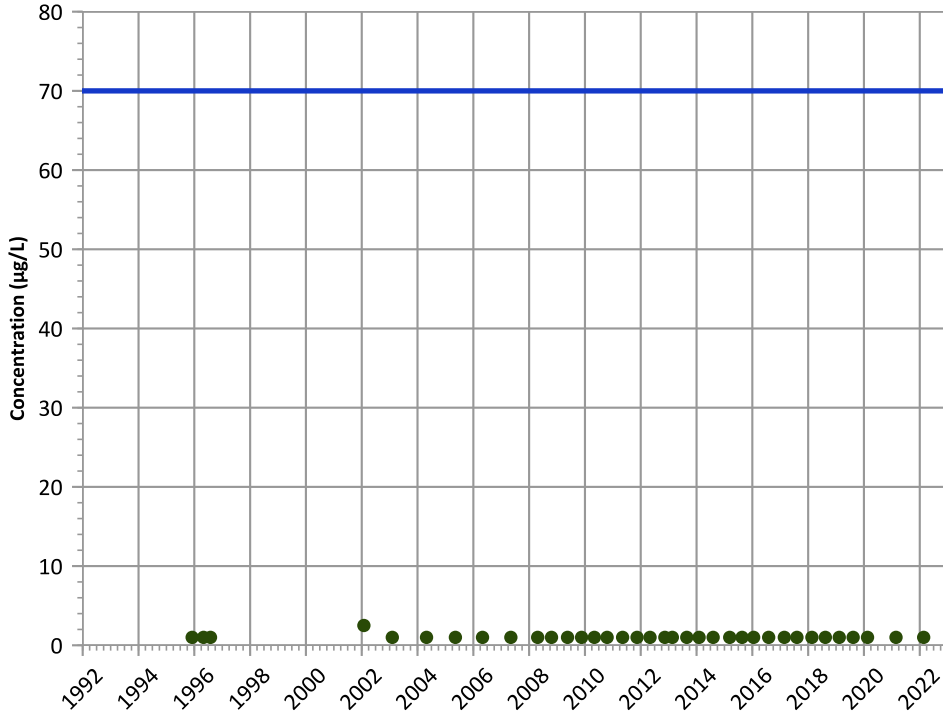
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

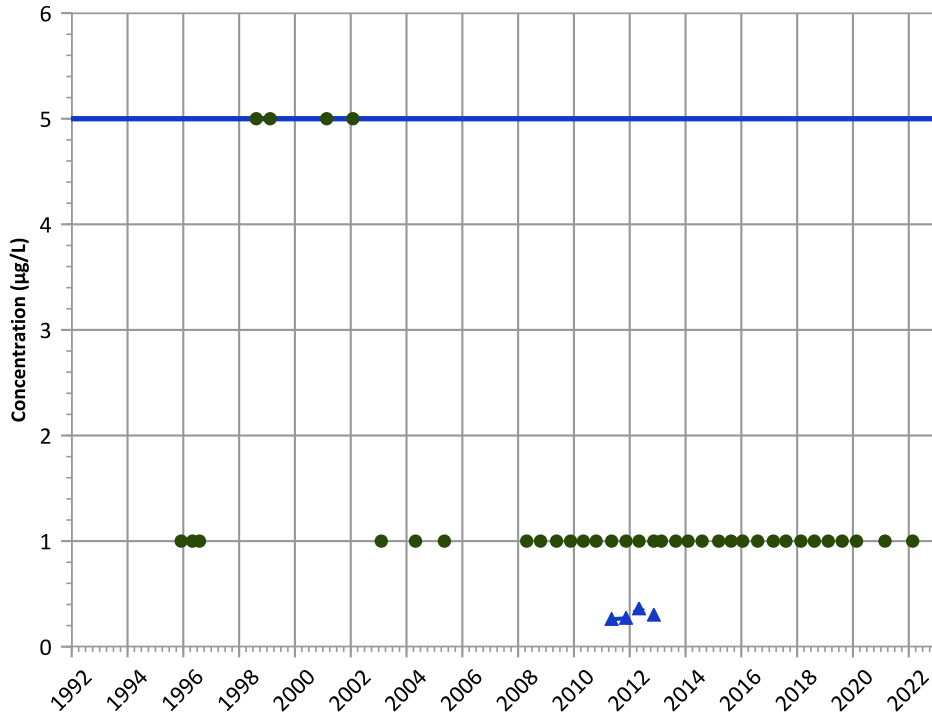
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

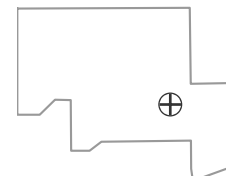
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

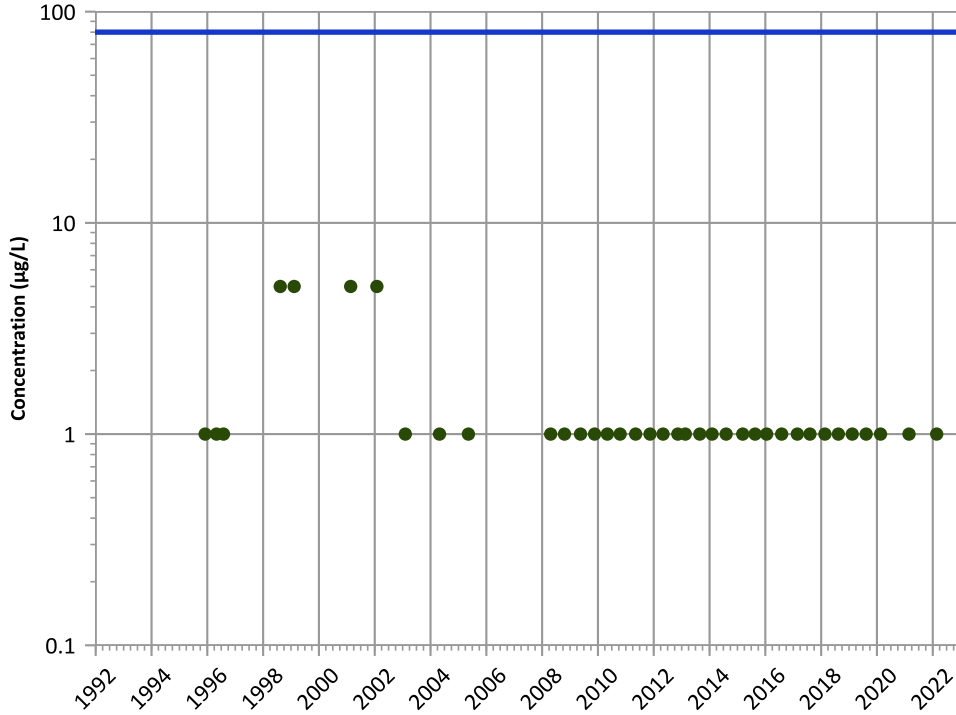
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

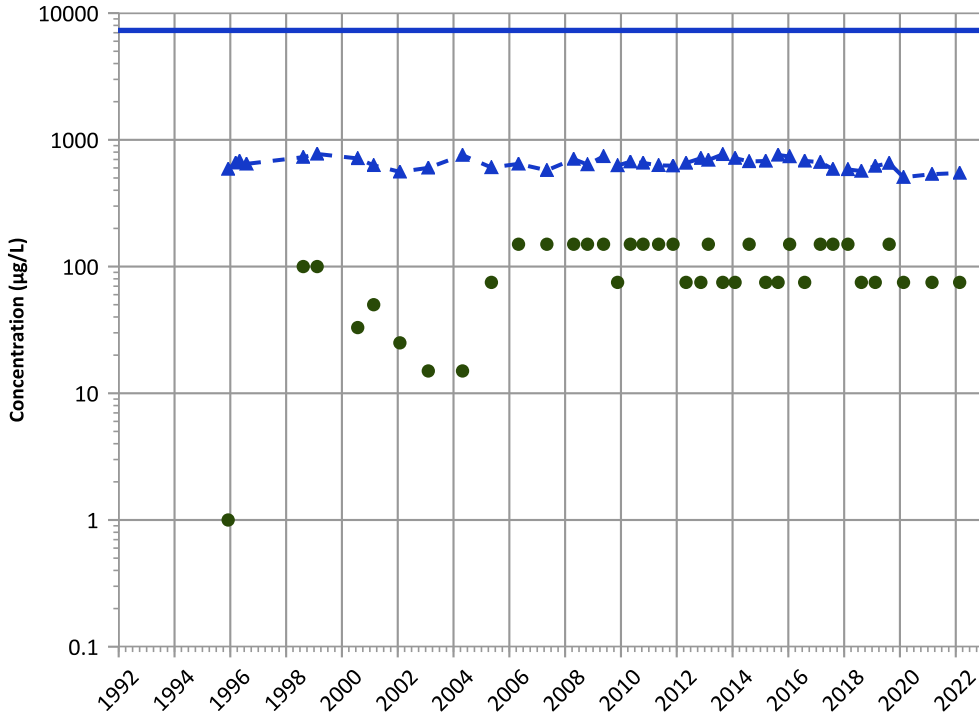
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

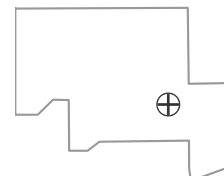
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

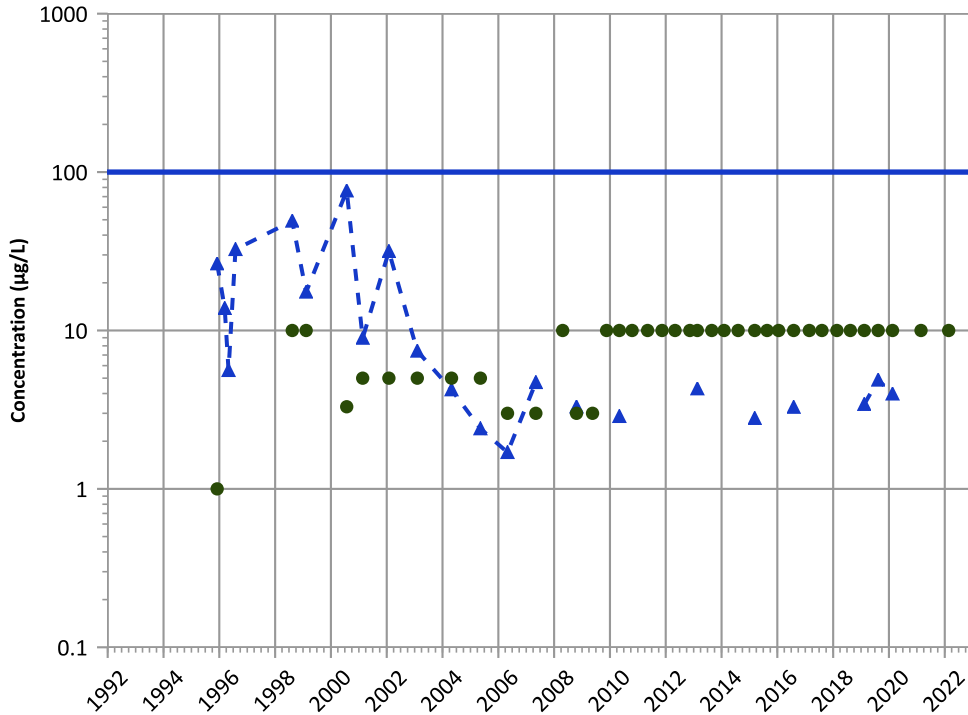
Well Location





PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

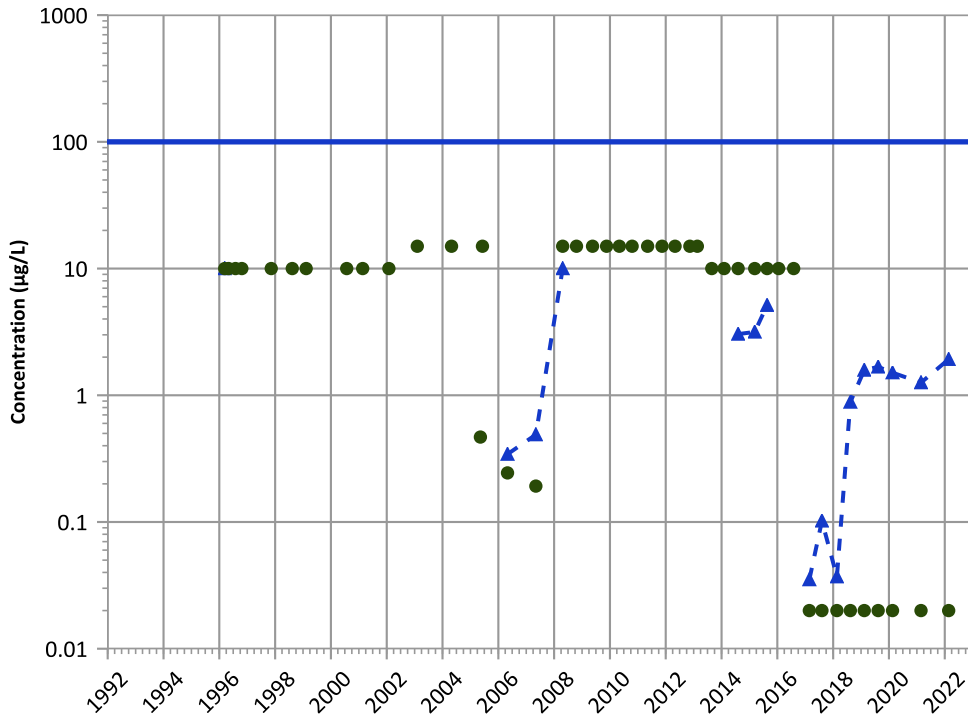


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend

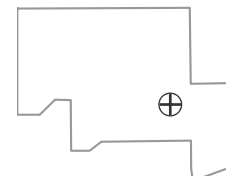


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Well Location

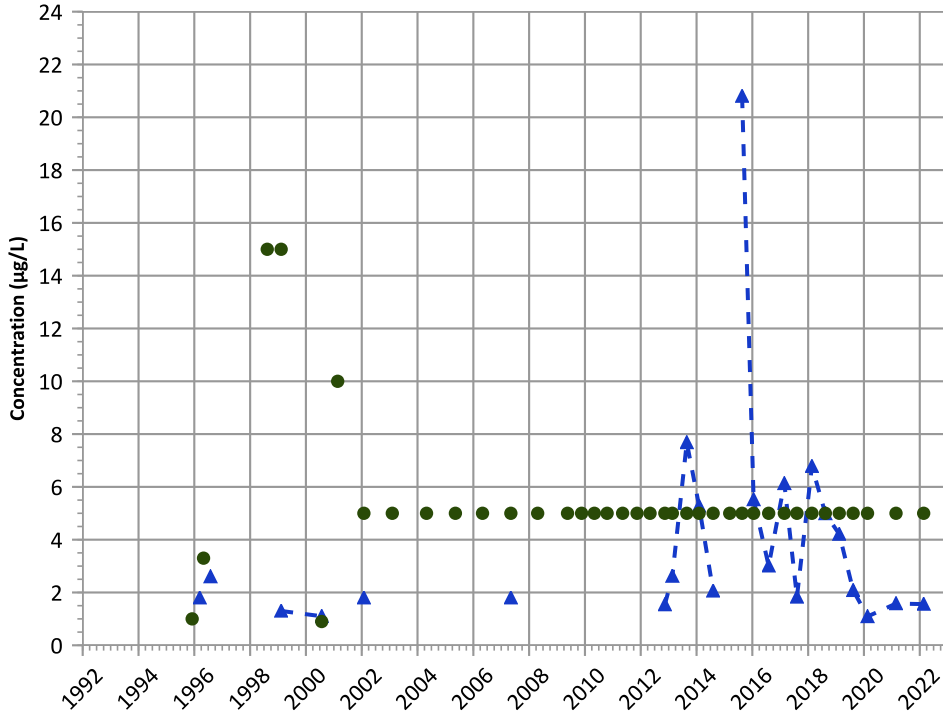


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

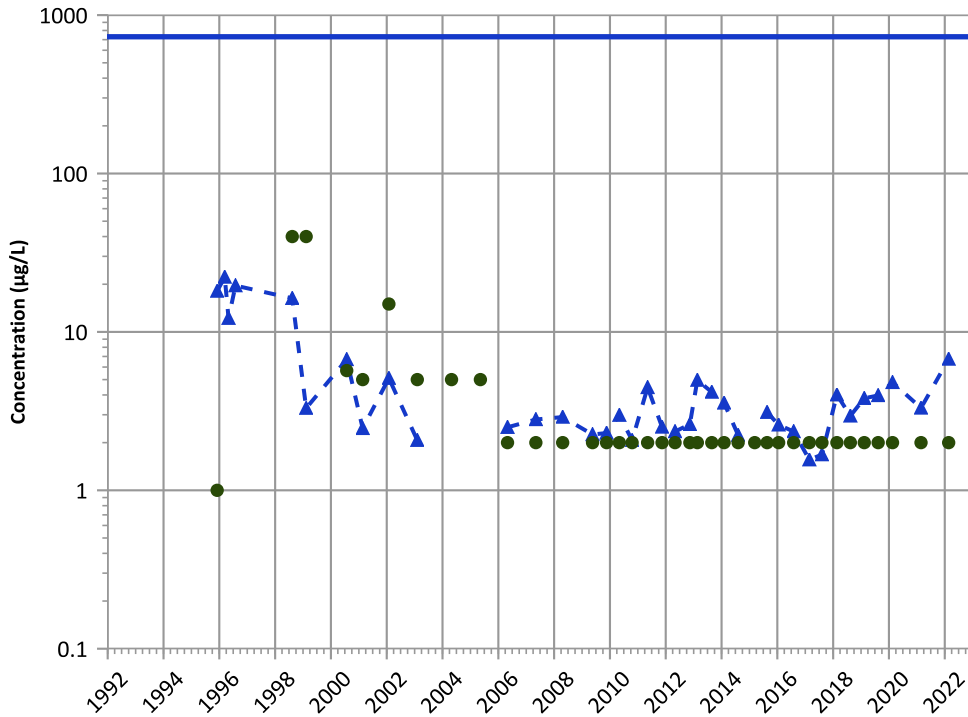


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Increasing

Nickel Trend



Concentration Trend

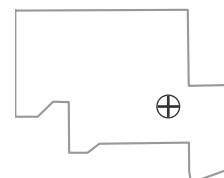
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

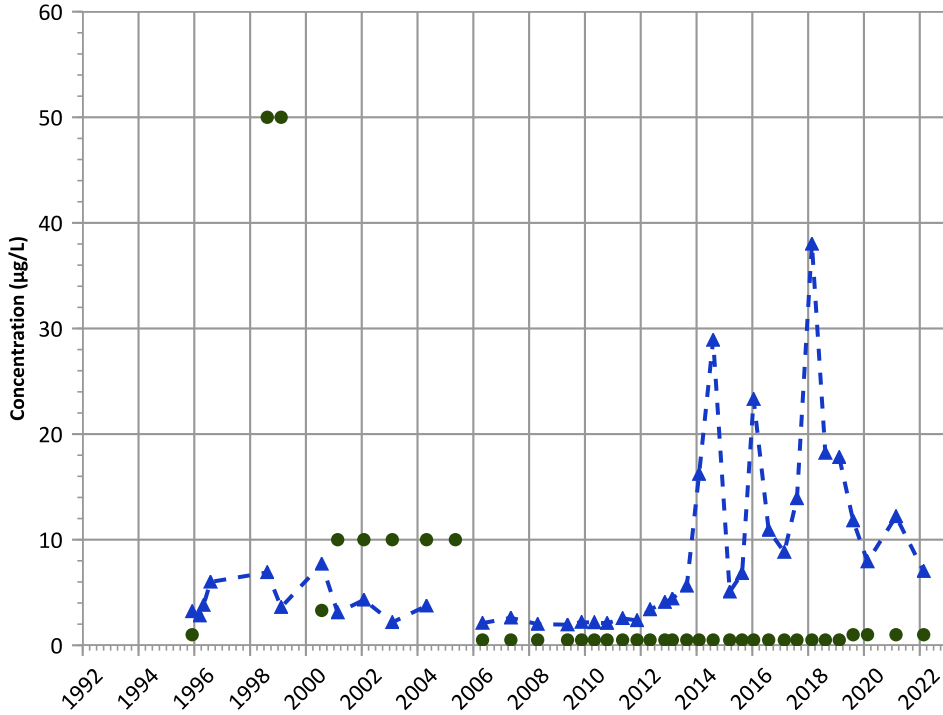
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

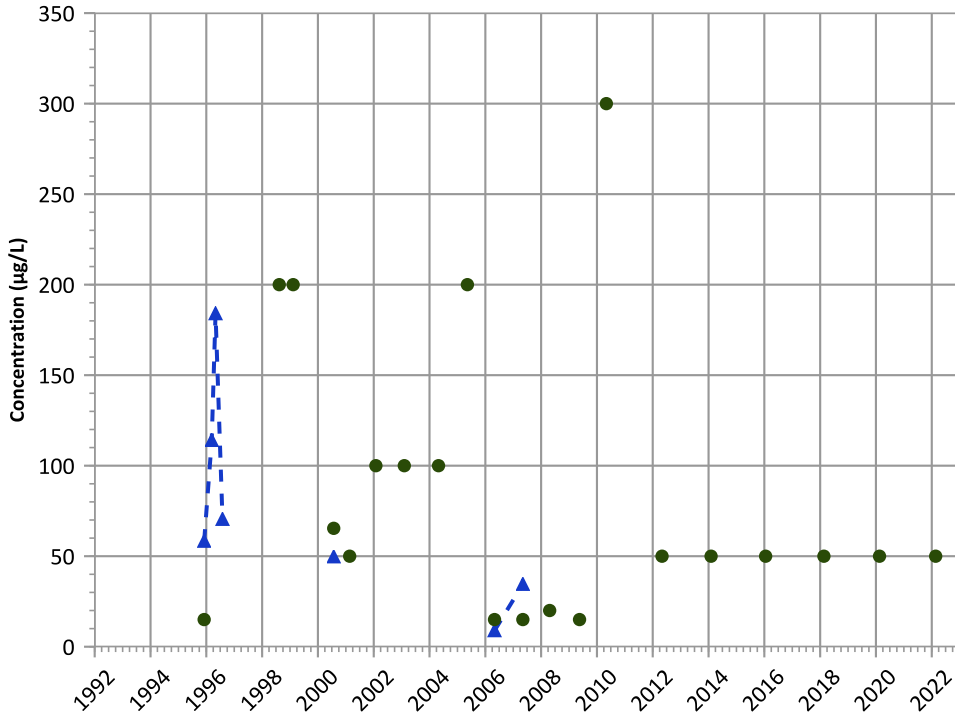
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

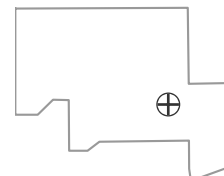
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

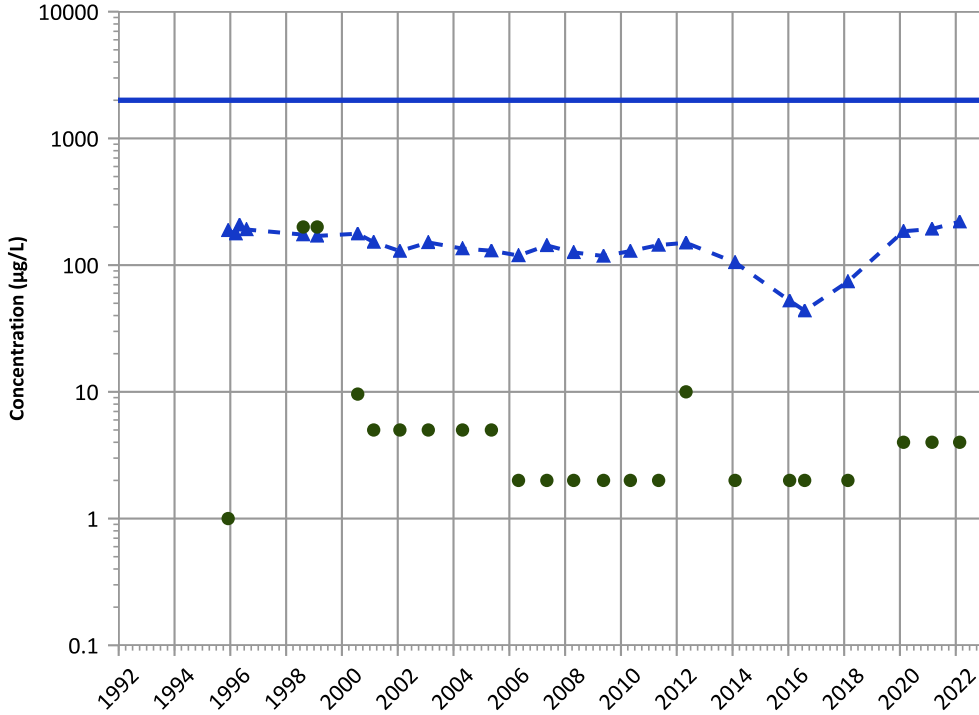
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

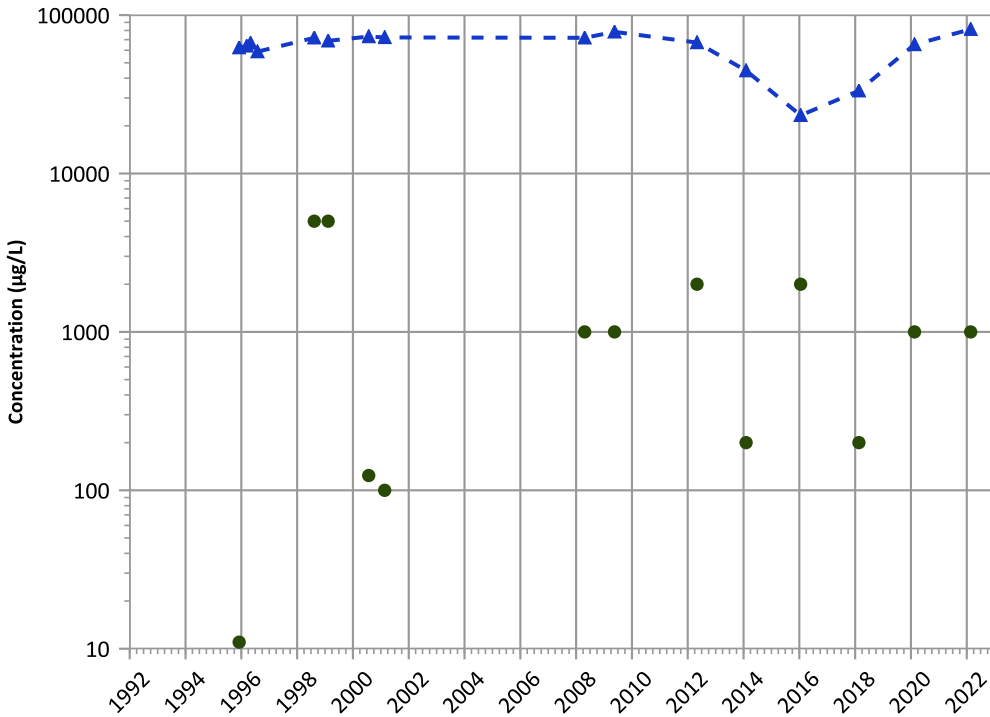


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Calcium Trend



Concentration Trend

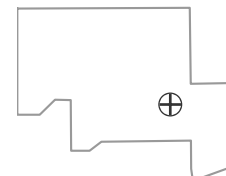
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

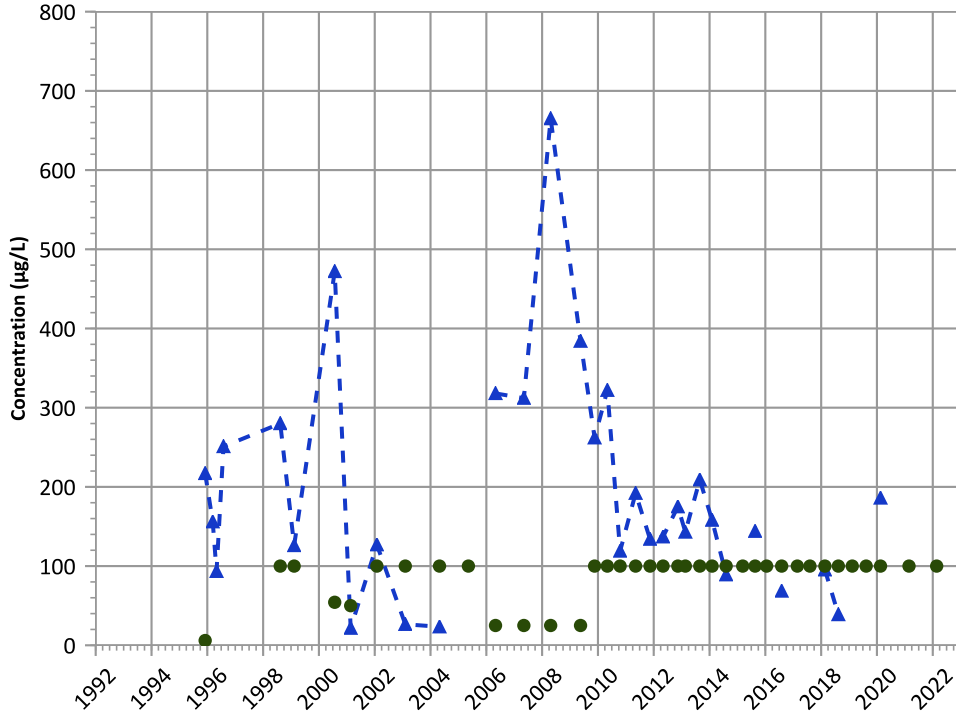
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

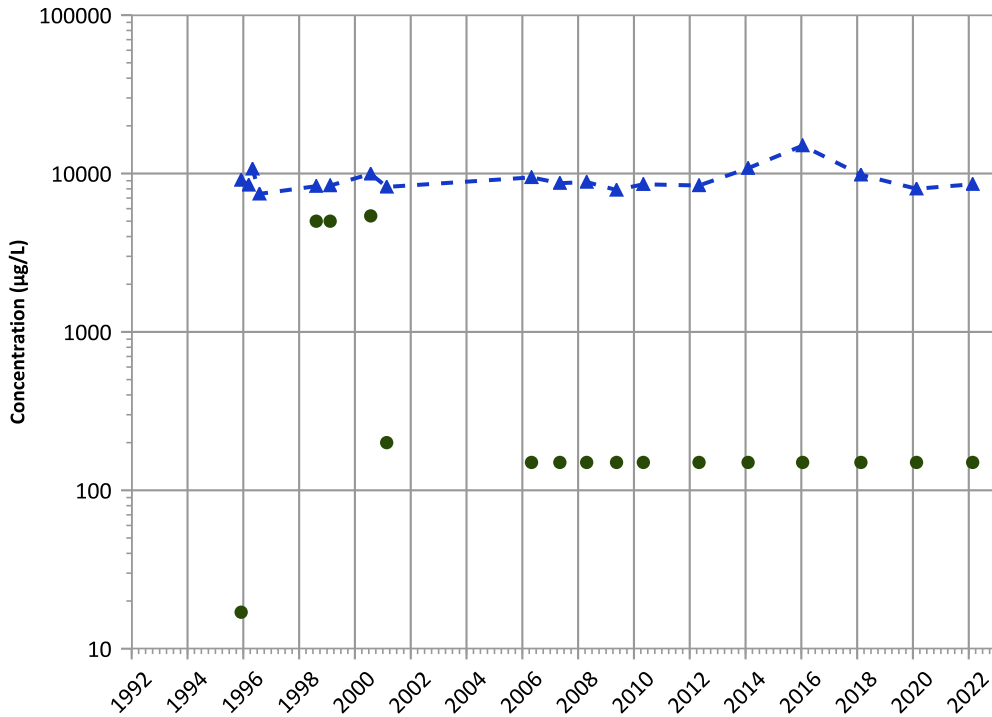


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Potassium Trend



Concentration Trend

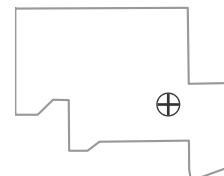
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

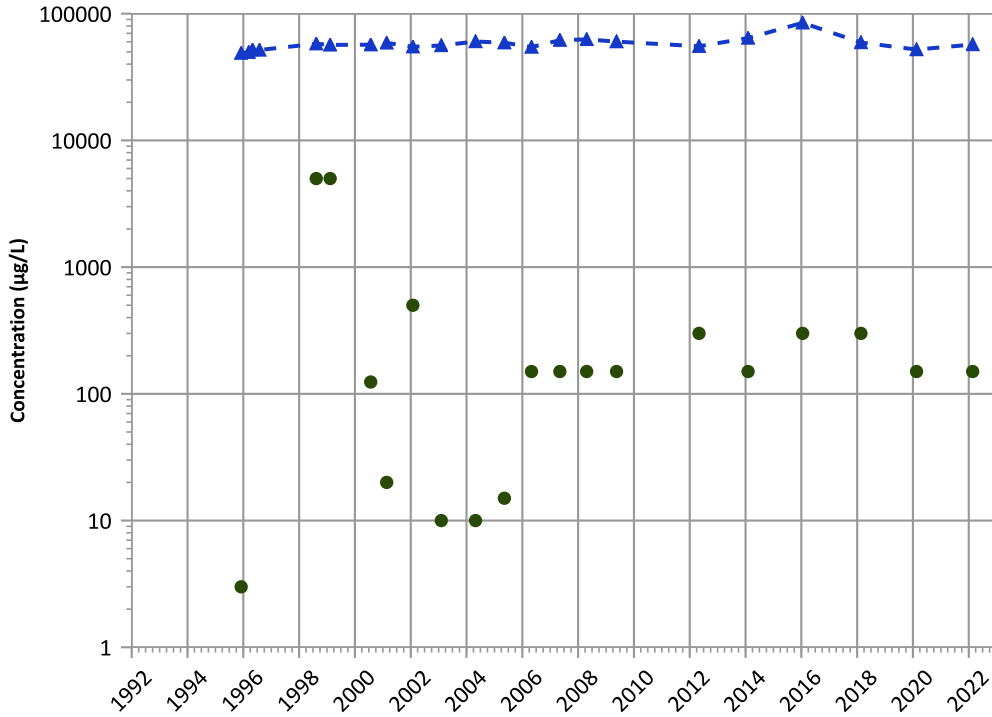
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

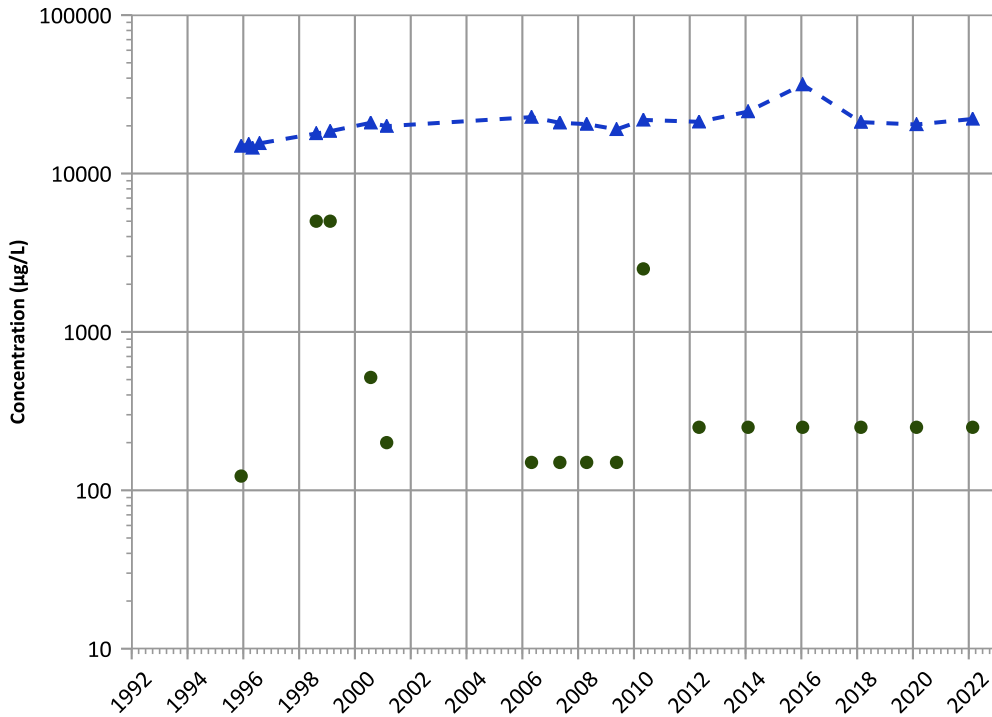


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Sodium Trend



Concentration Trend

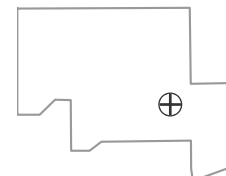
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

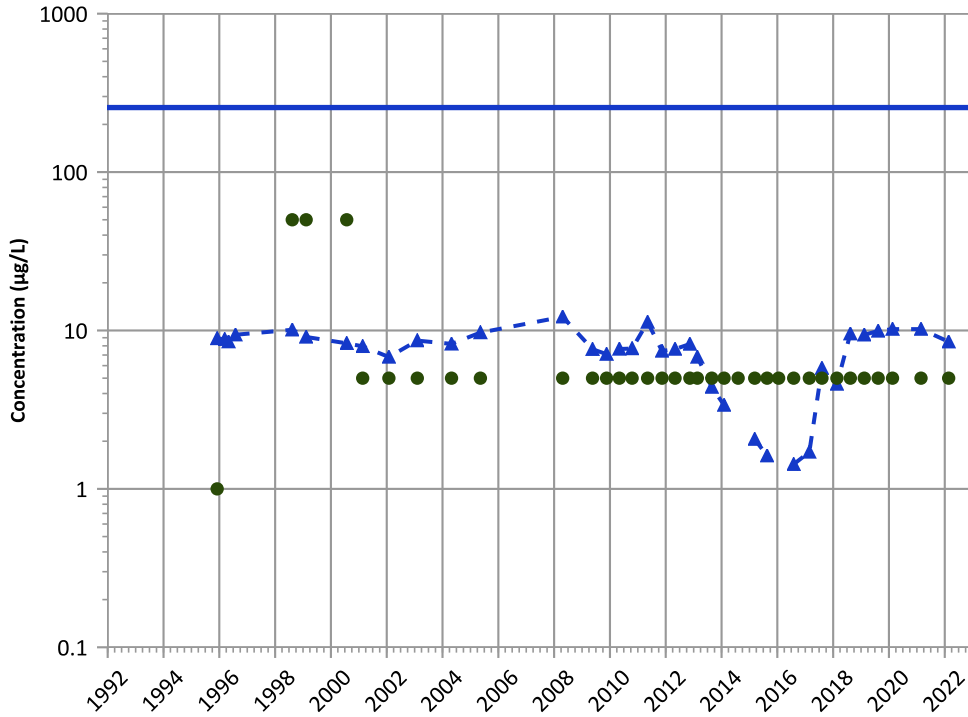
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1002A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

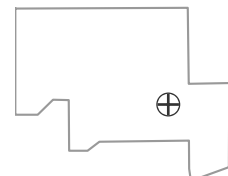
2020 - 2022 Data:

Stable

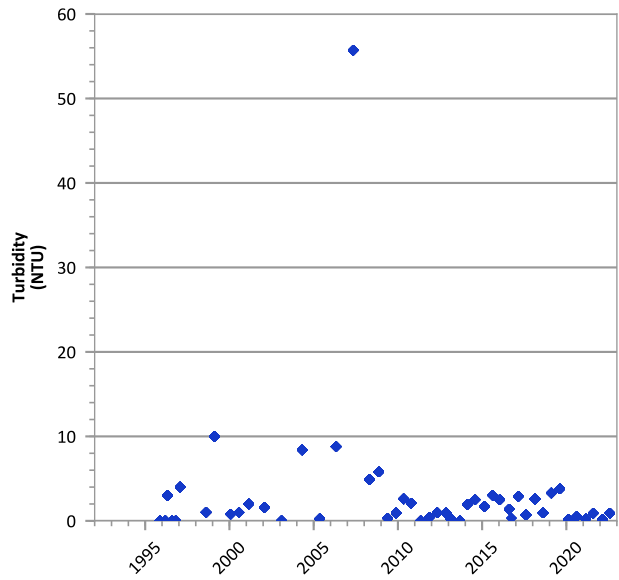
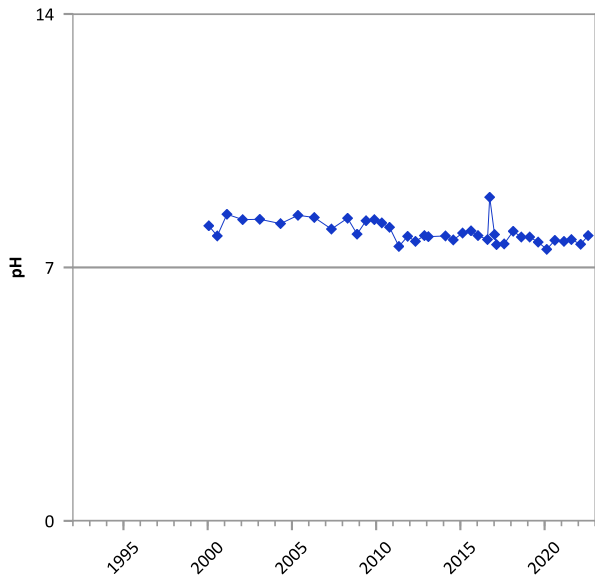
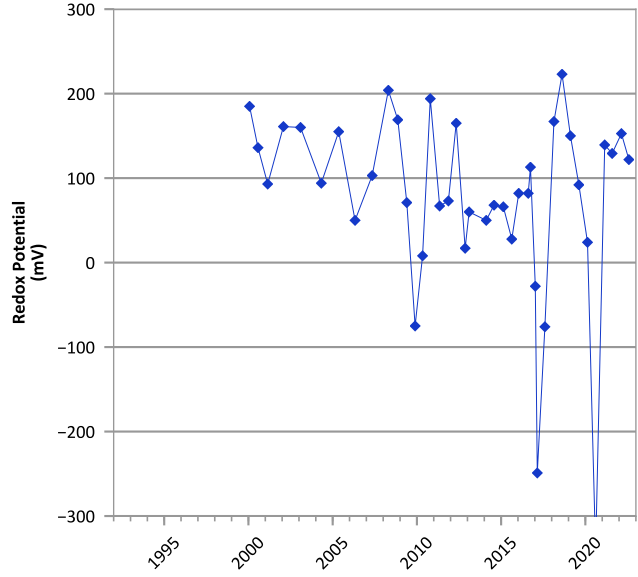
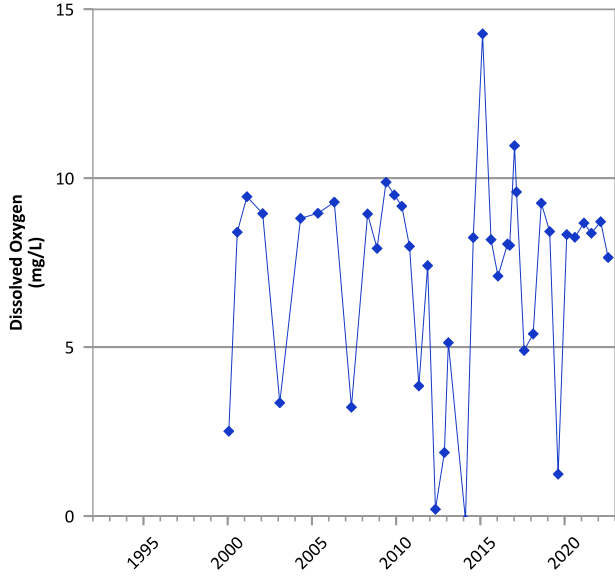
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/04/1995 to 02/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

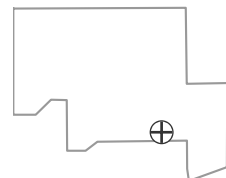


**PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

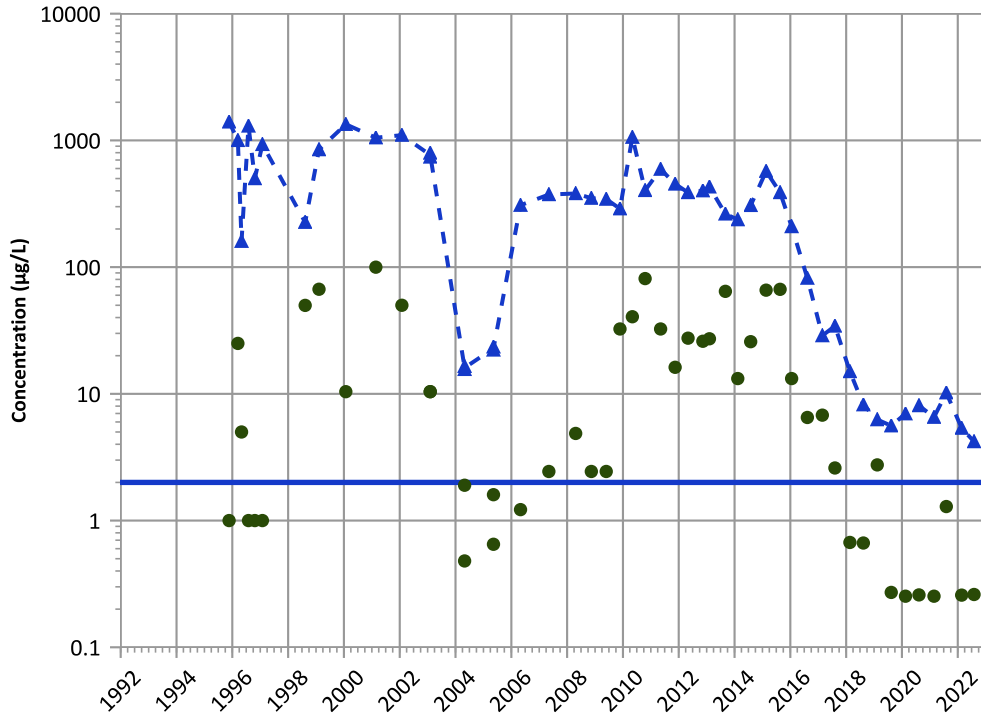
**Well Location**





PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

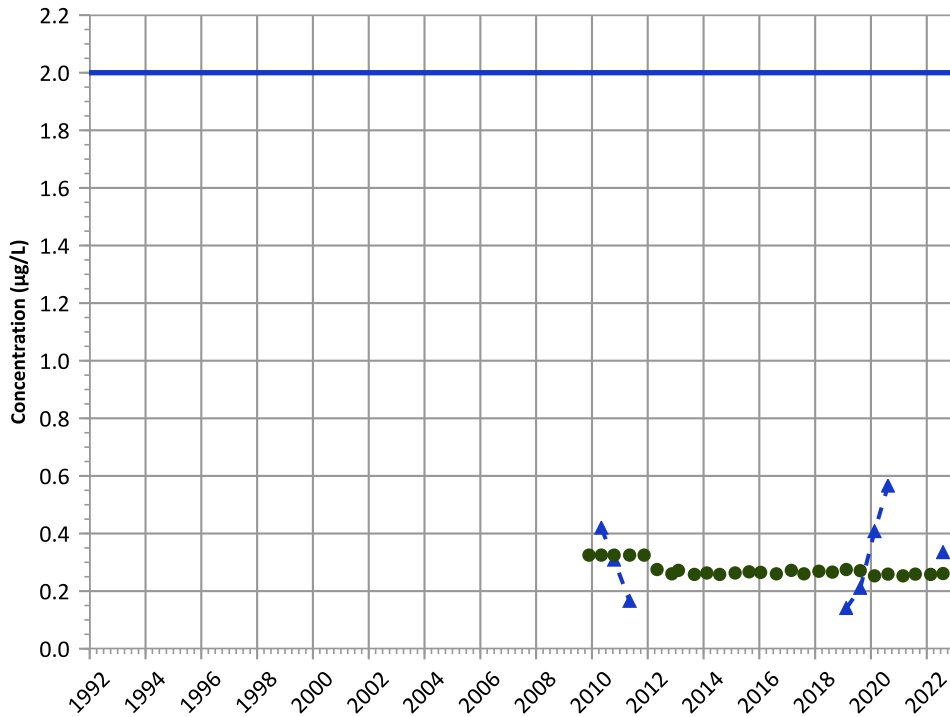


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

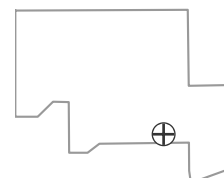
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

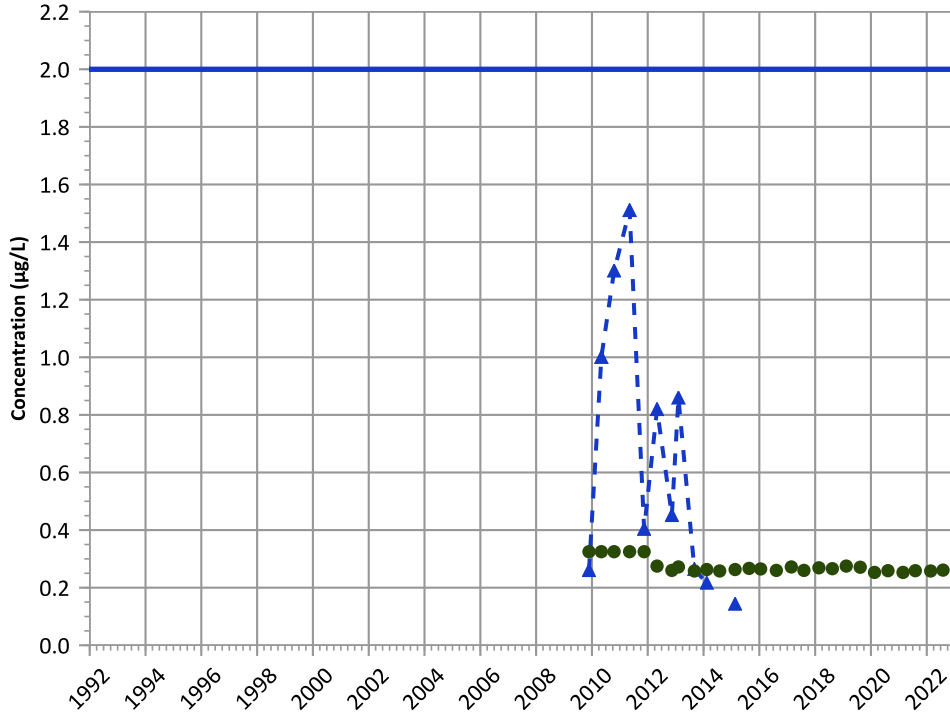
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

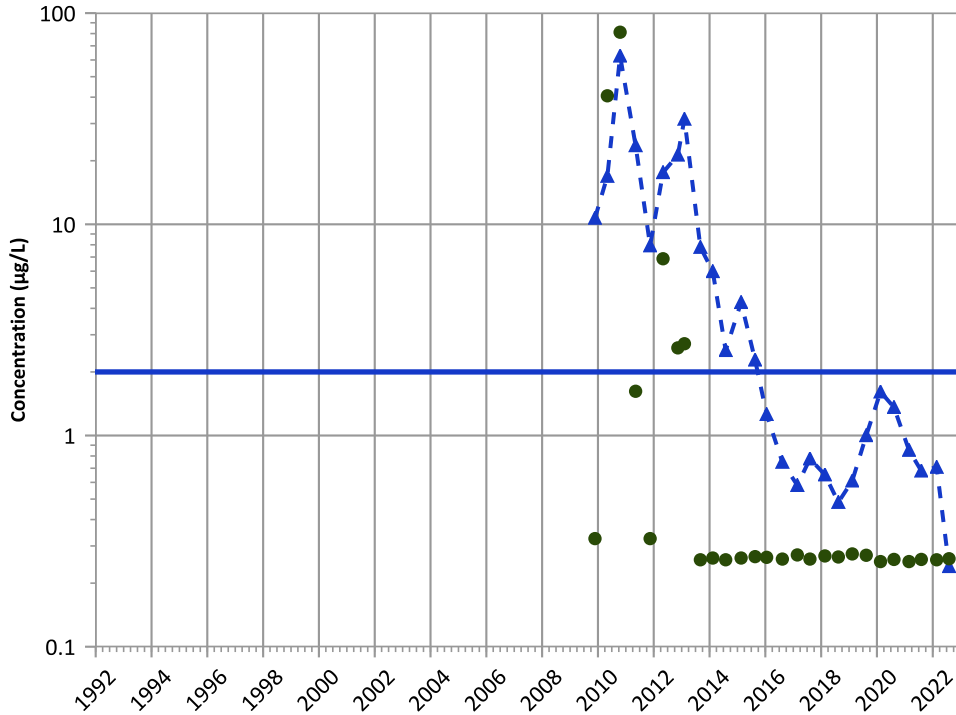


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

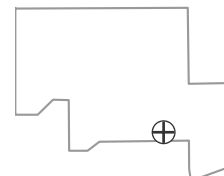
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

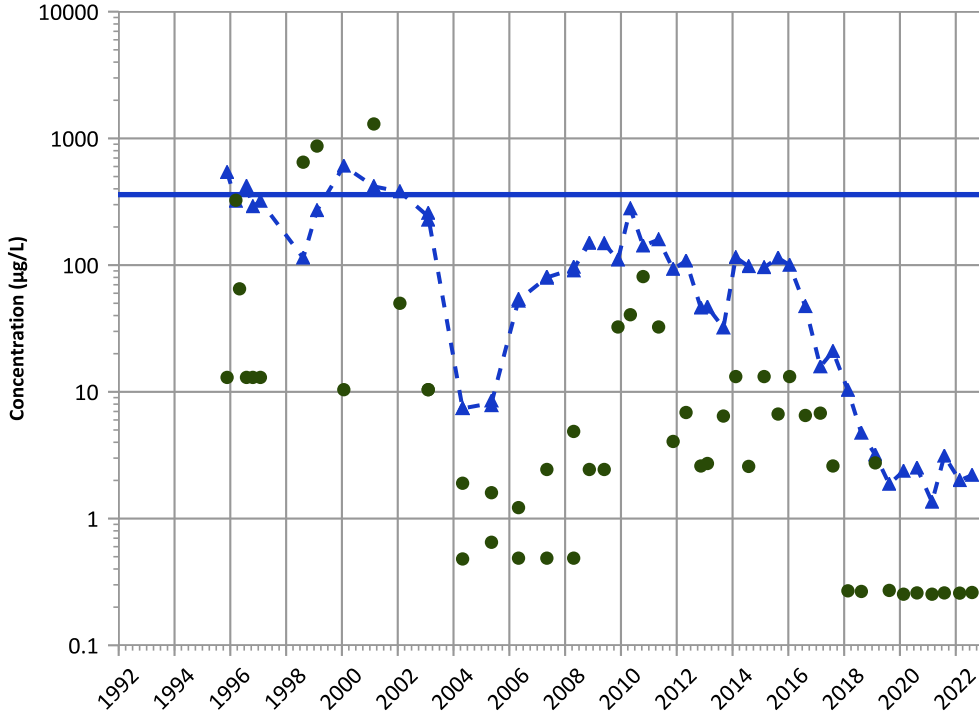
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

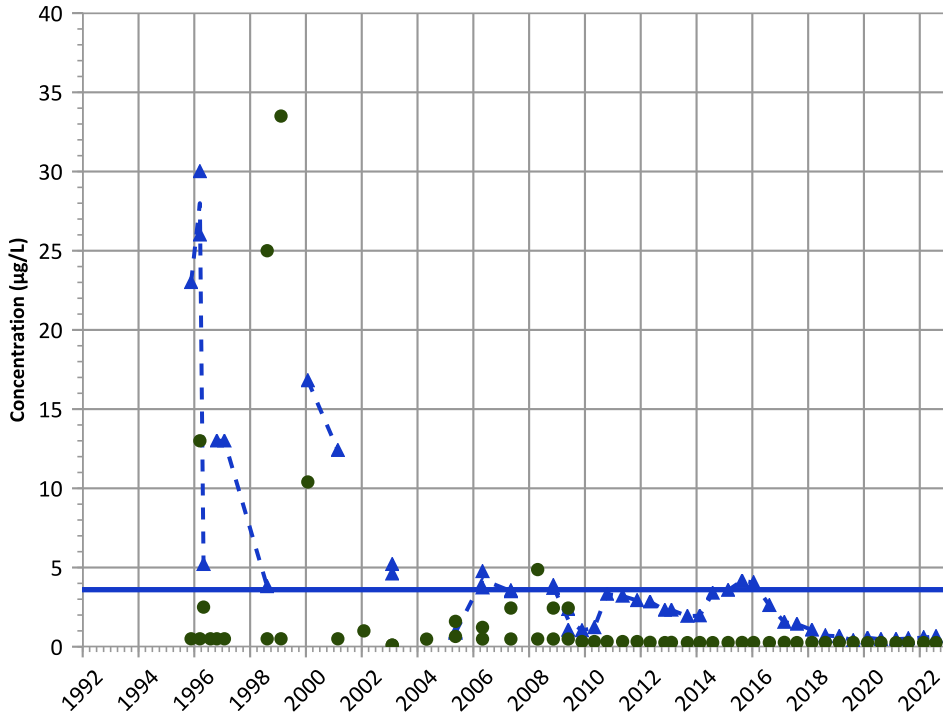
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

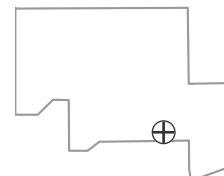
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

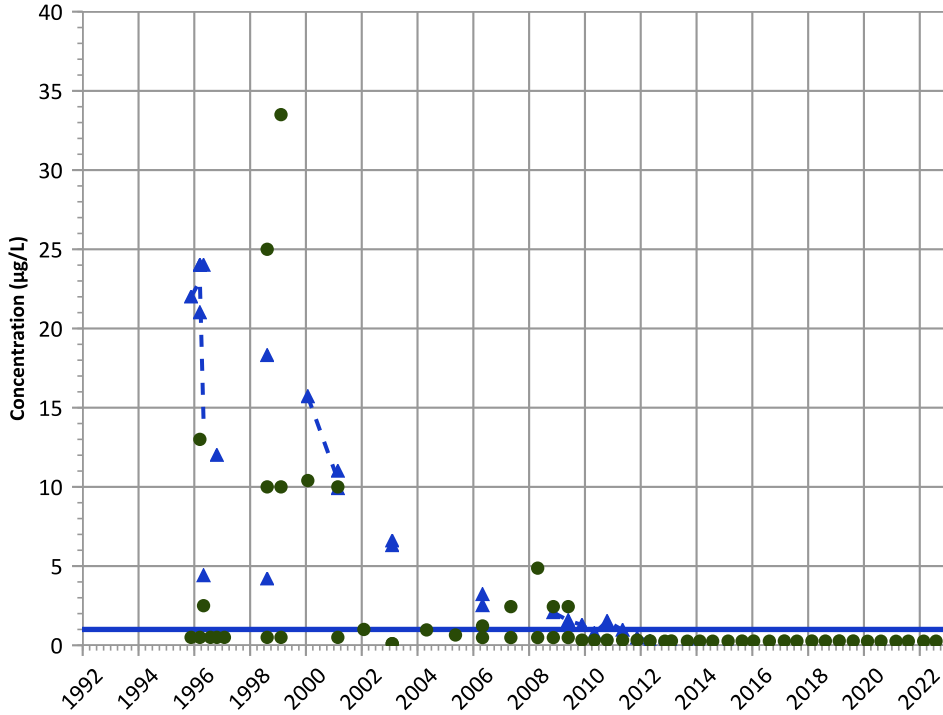
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

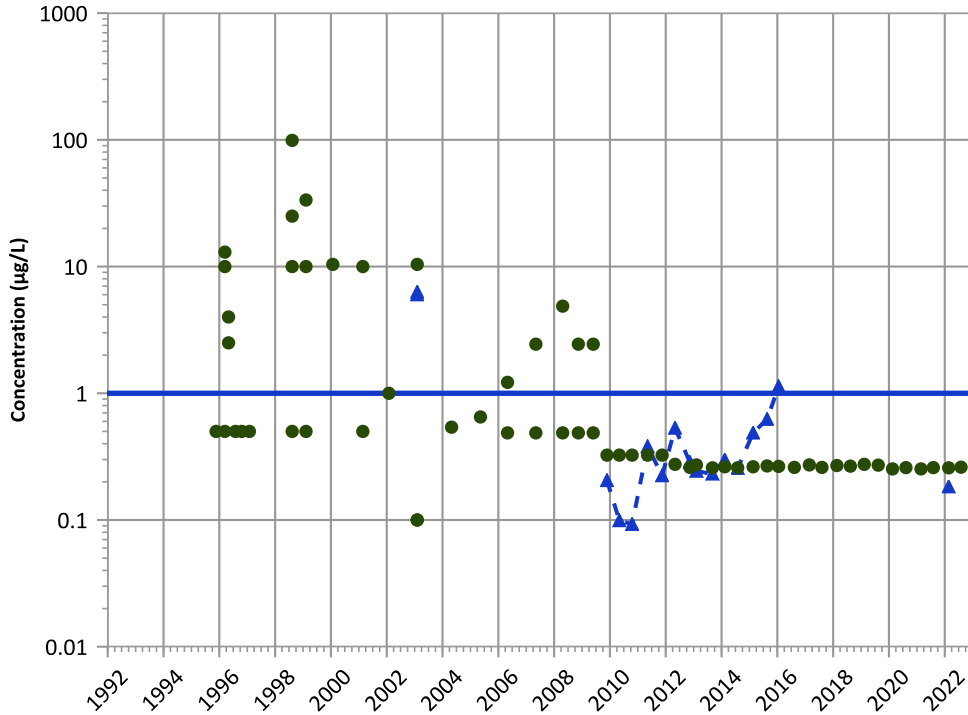


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

2,6-Dinitrotoluene Trend



Concentration Trend

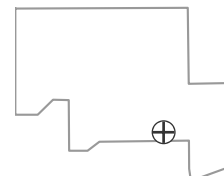
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

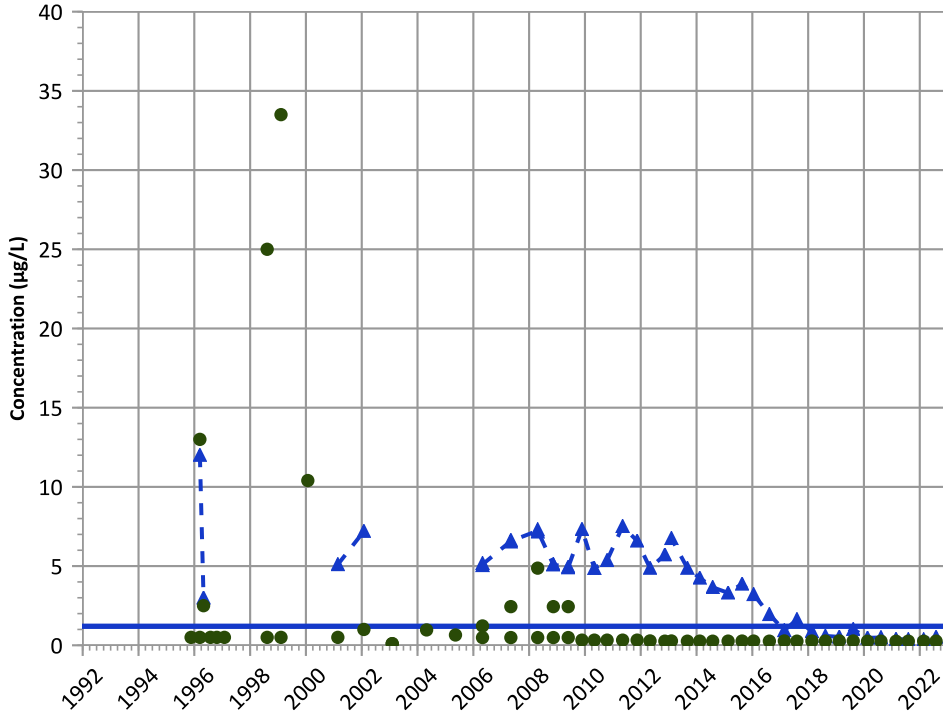
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

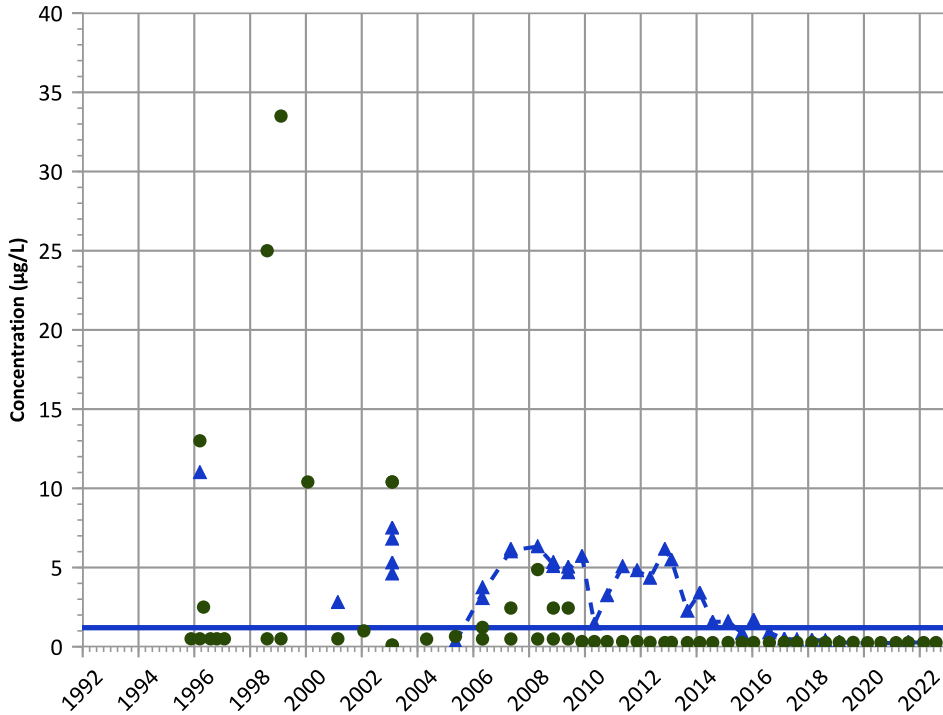
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

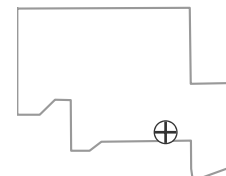
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

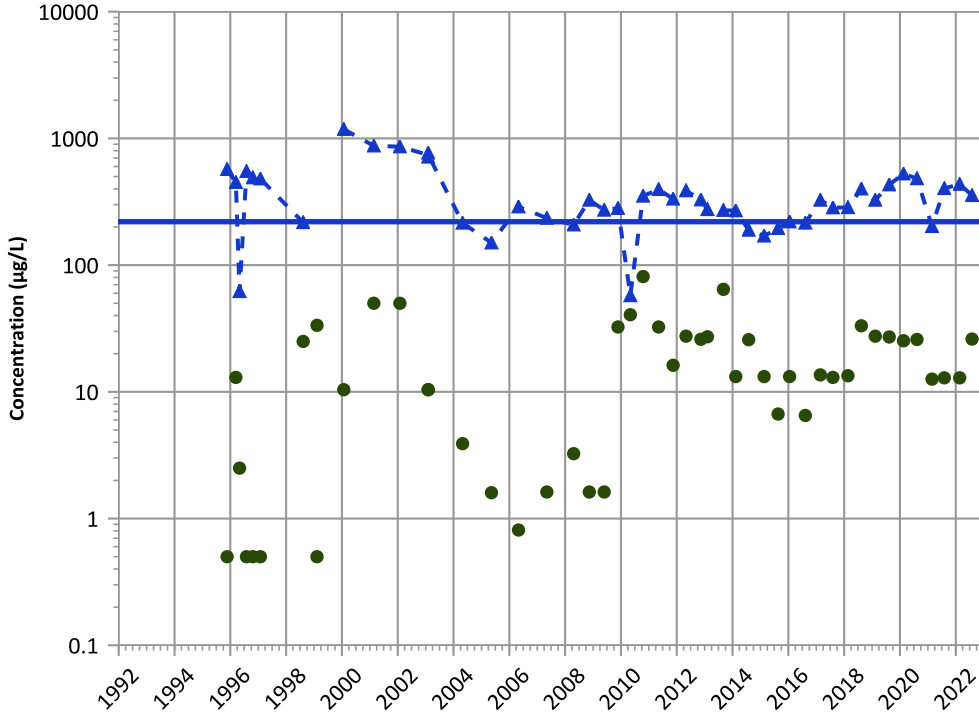
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

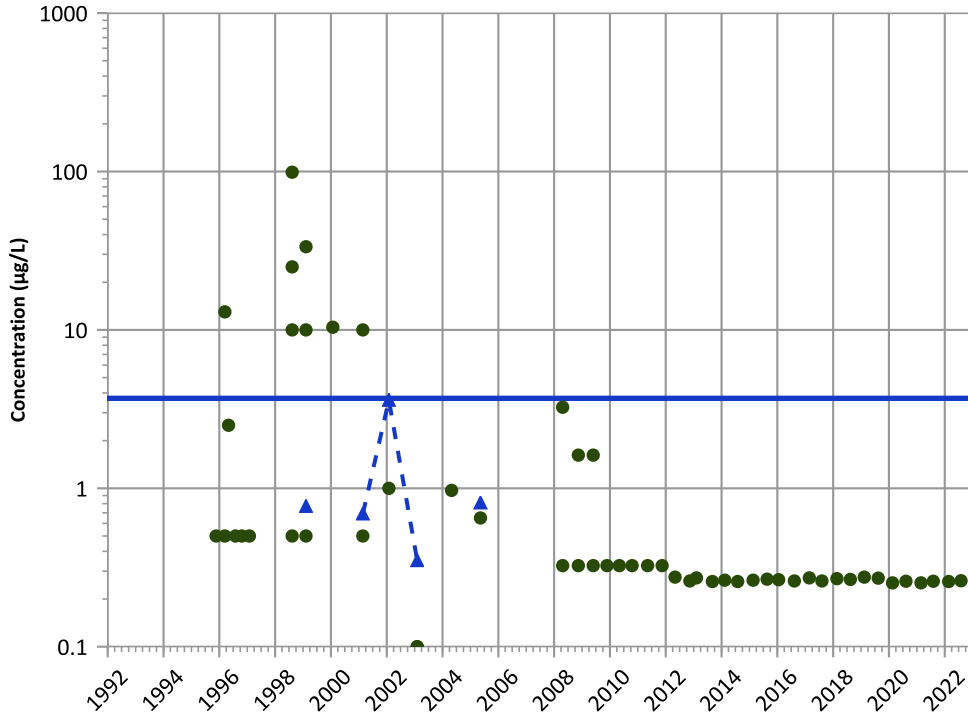


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

1,3-Dinitrobenzene Trend



Concentration Trend

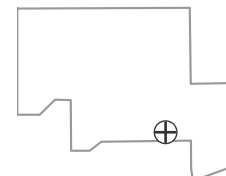
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

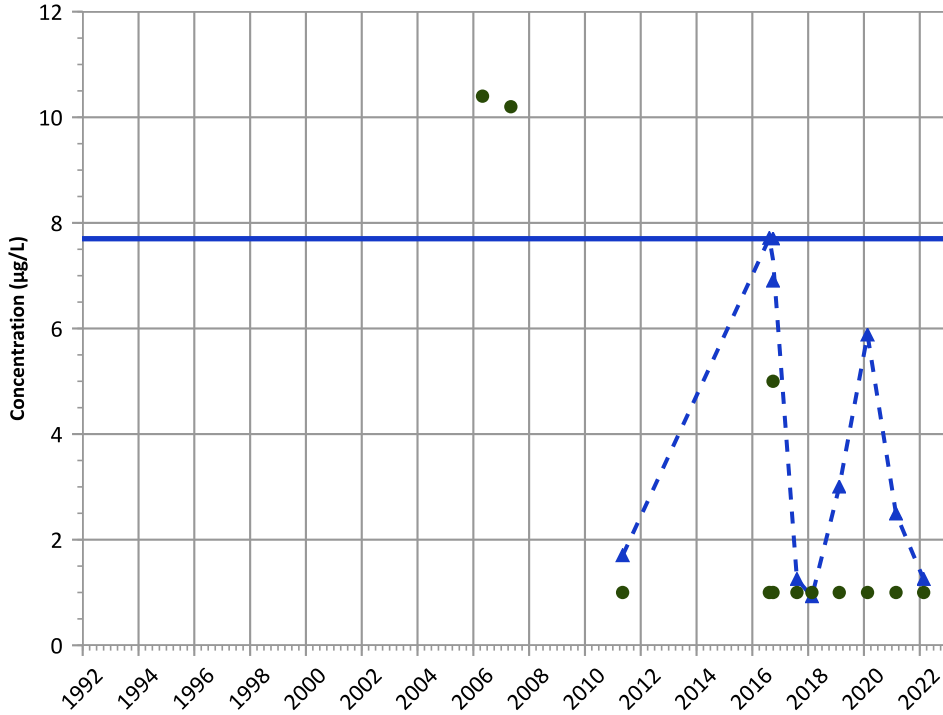
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

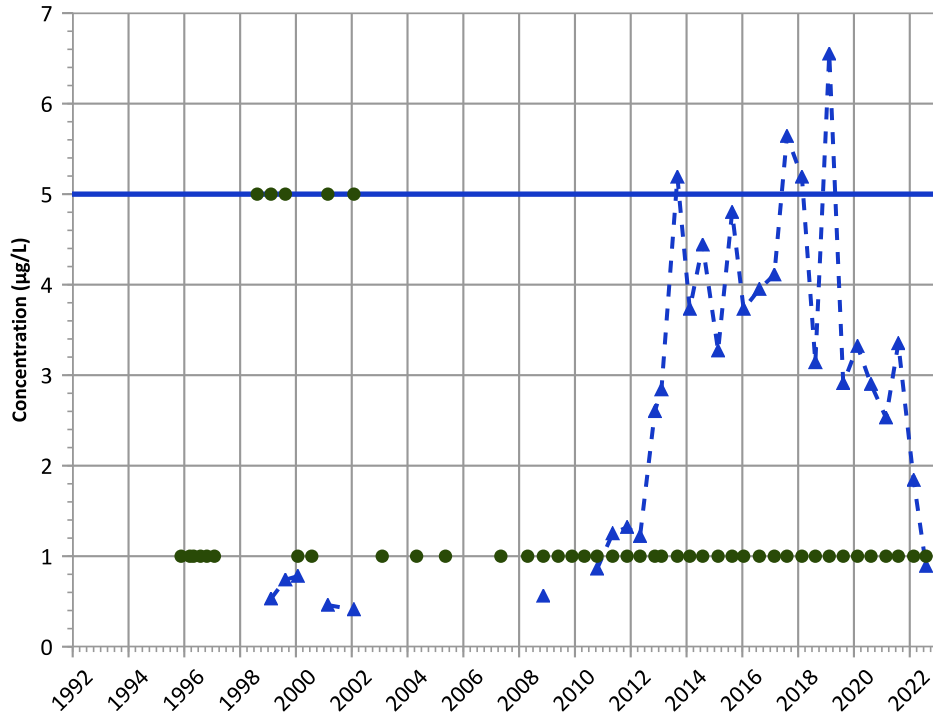


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Tetrachloroethylene (PCE) Trend



Concentration Trend

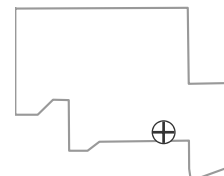
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

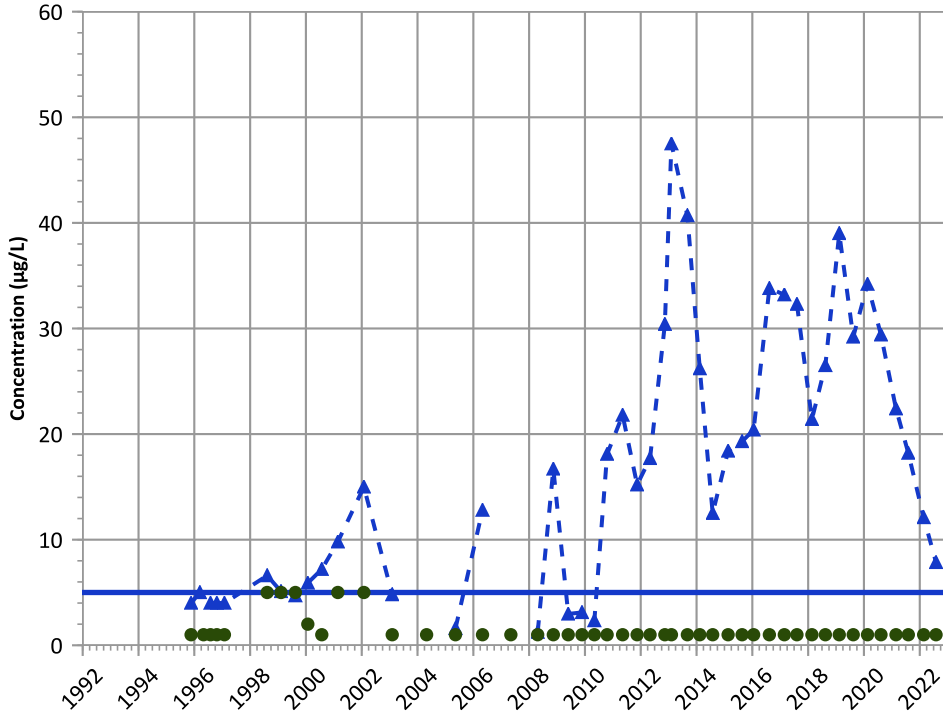
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

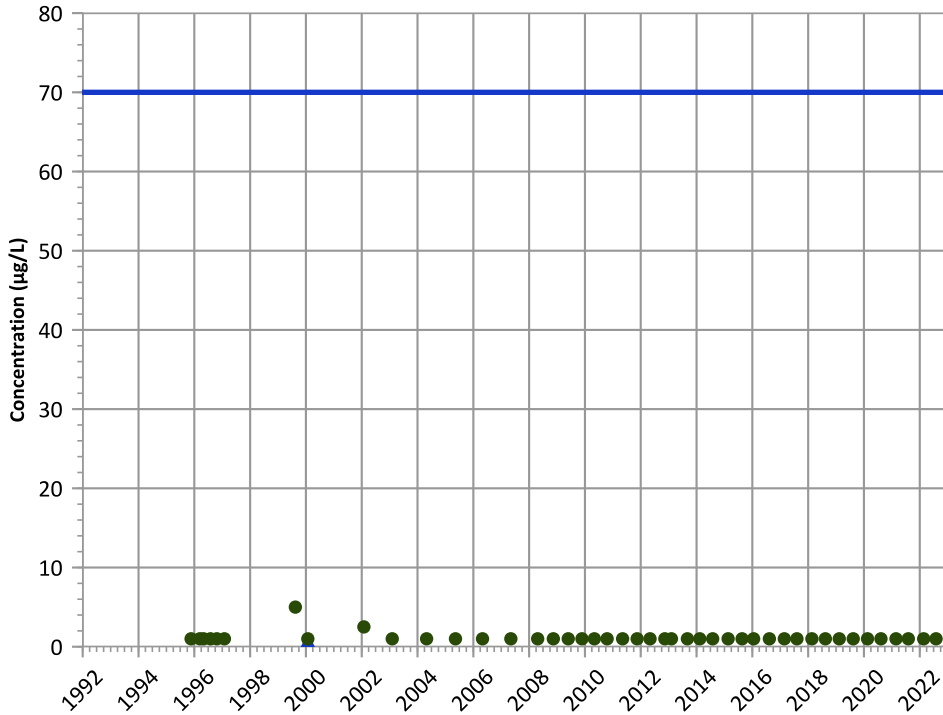


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

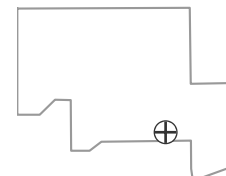
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

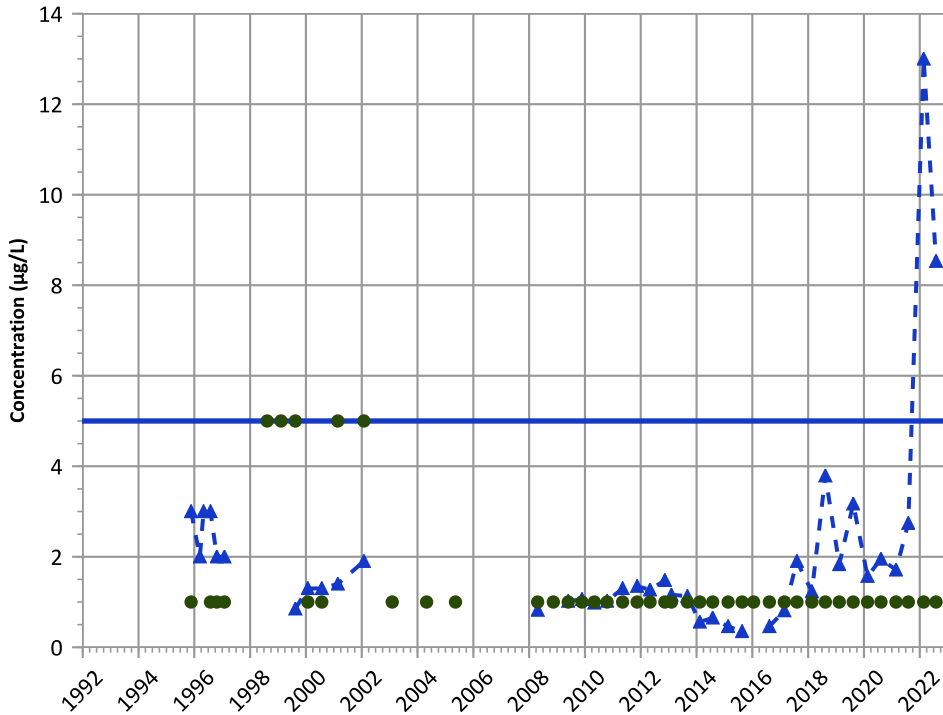
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

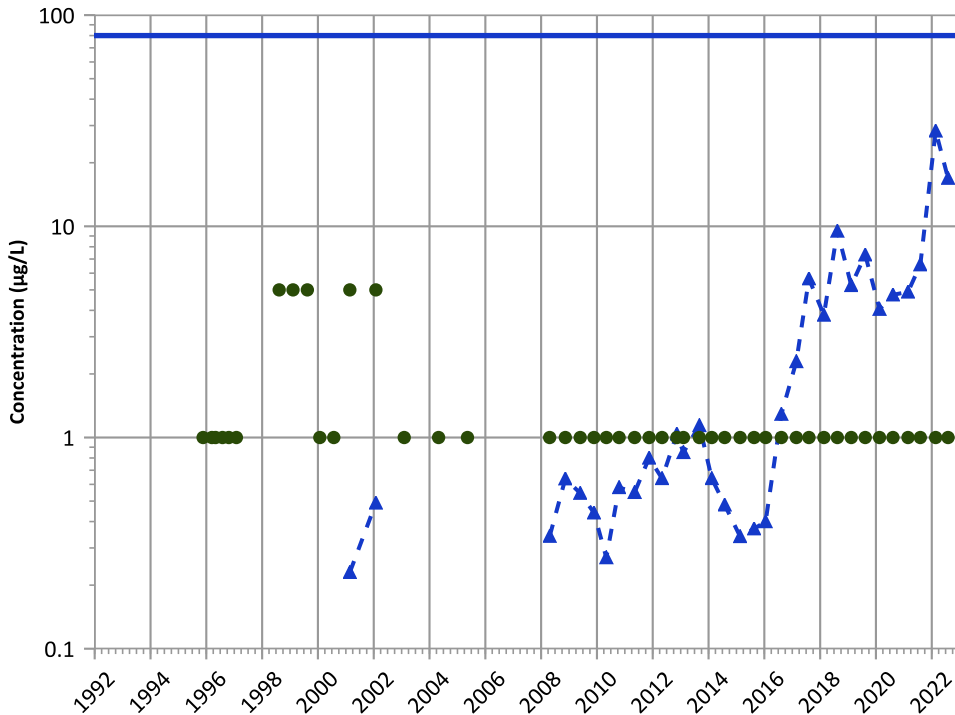


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

**Chloroform Trend**



**Concentration Trend**

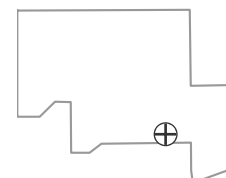
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

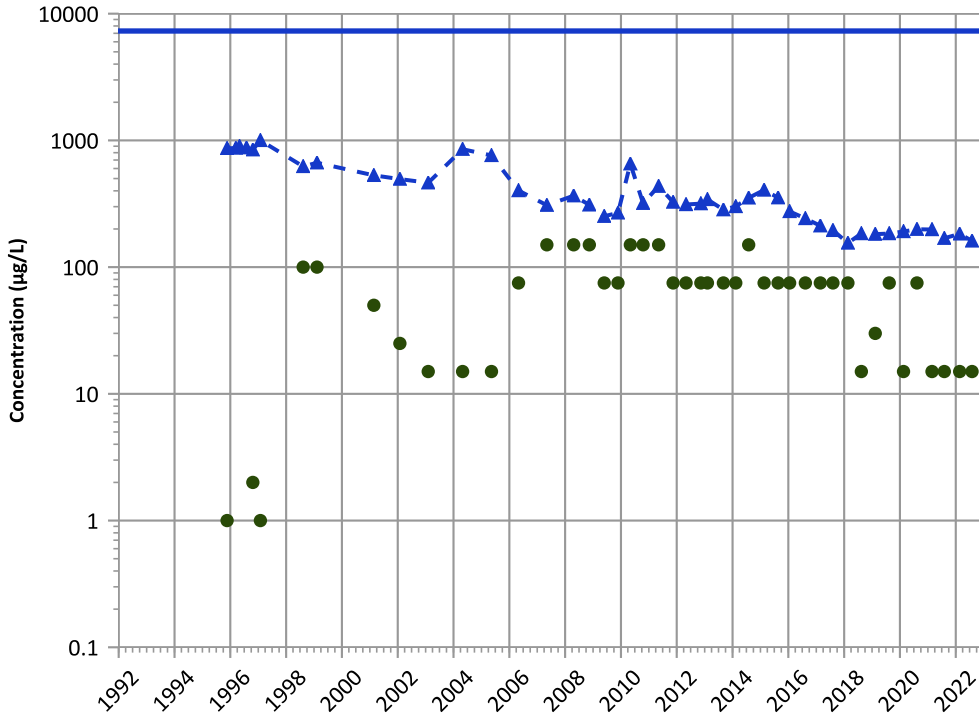
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend

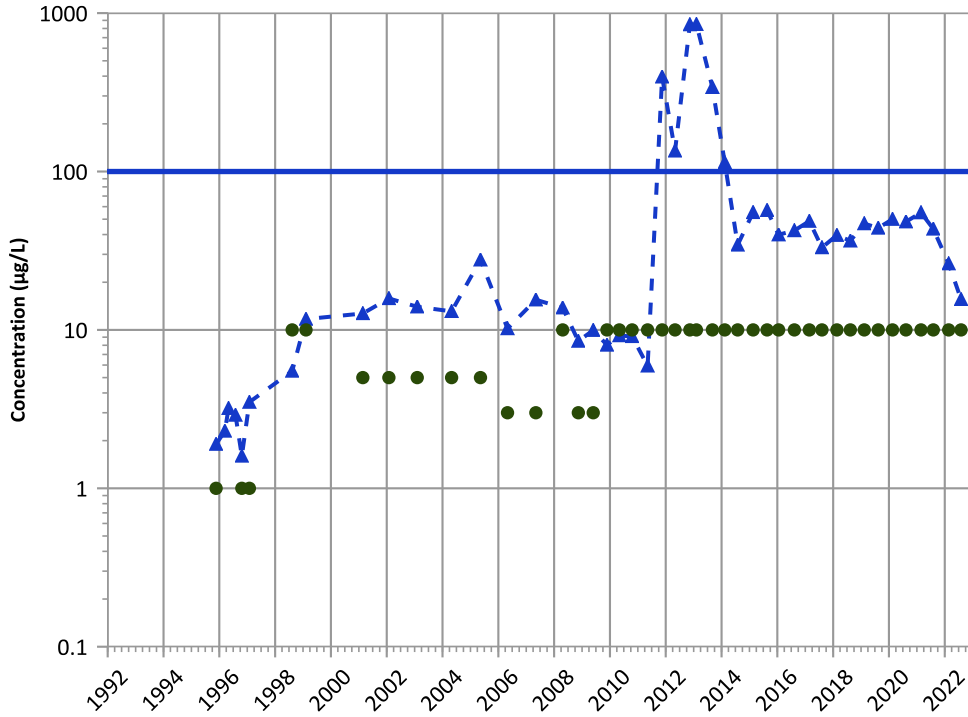


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Chromium, Total Trend



Concentration Trend

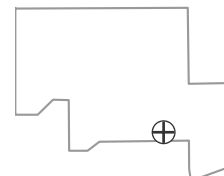
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

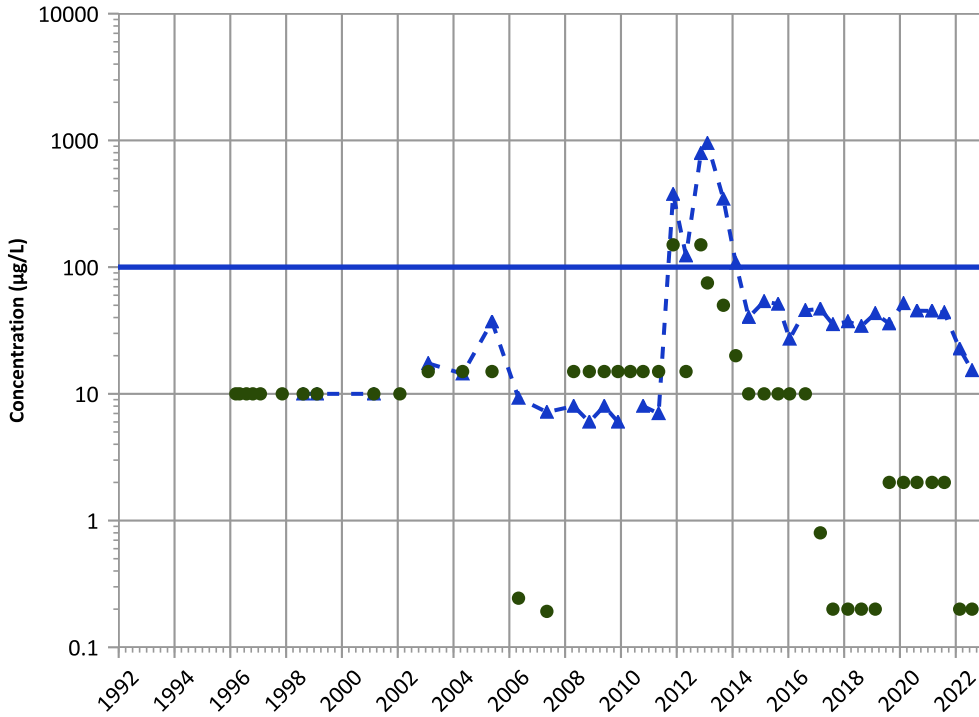
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

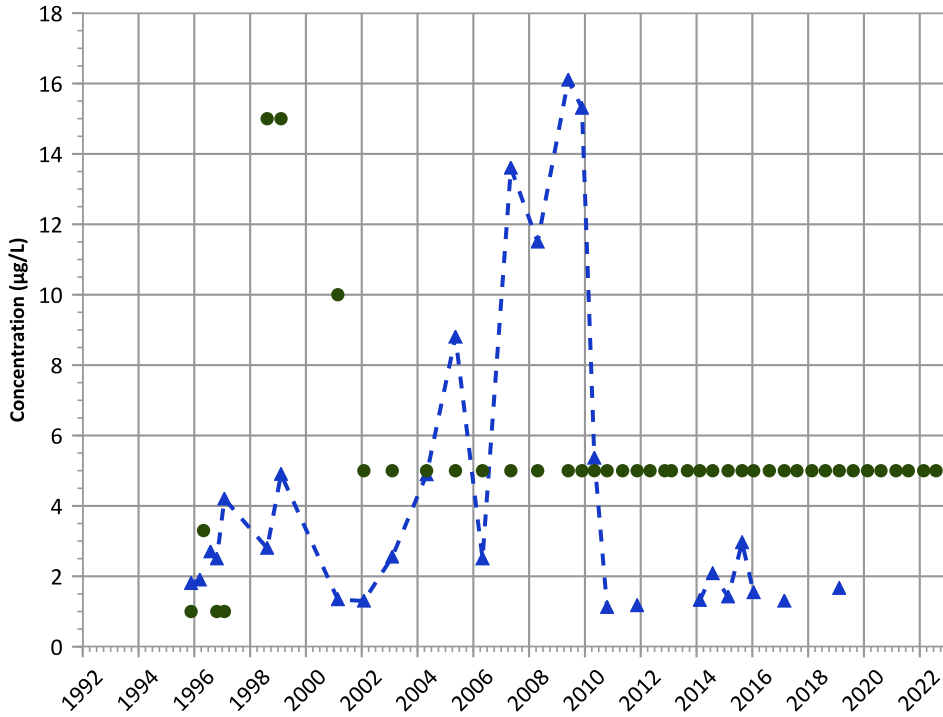


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Manganese Trend



Concentration Trend

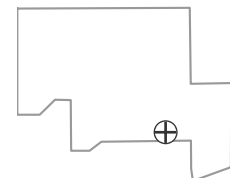
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

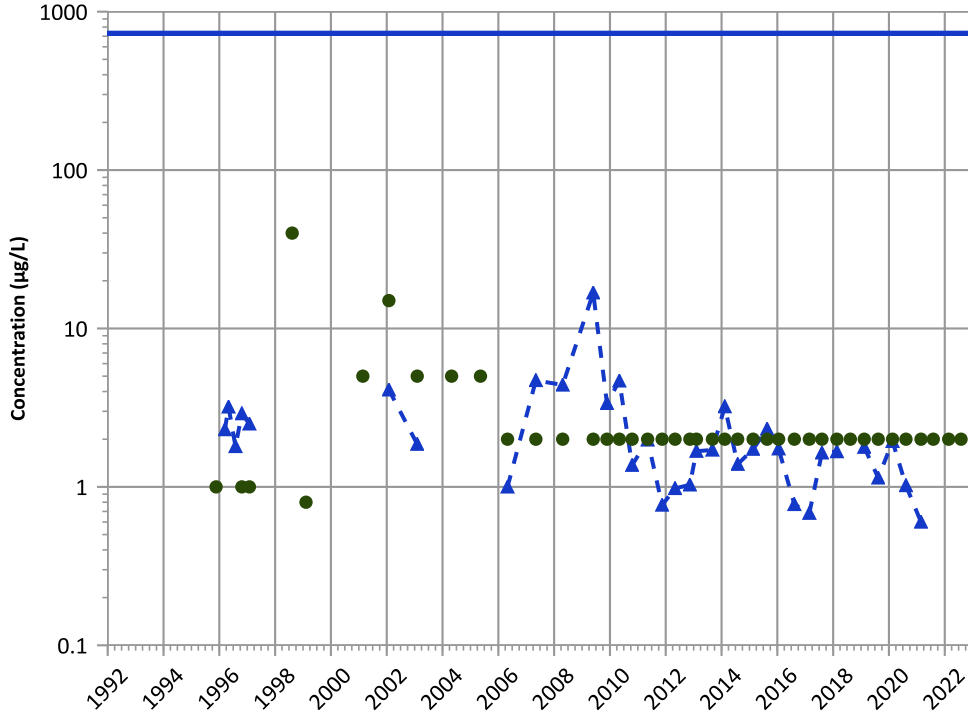
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

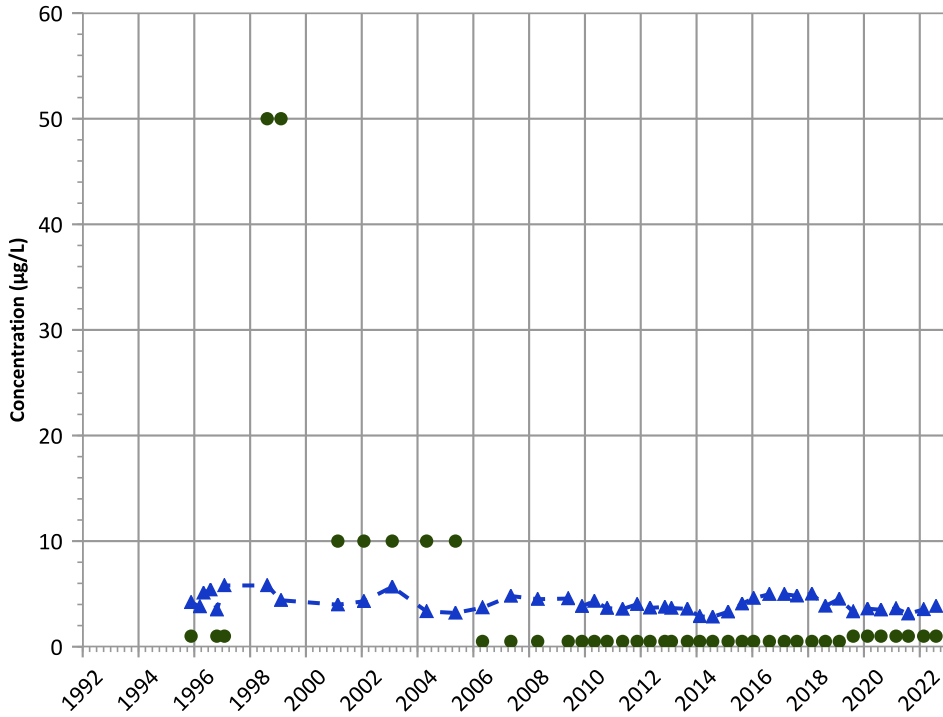
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

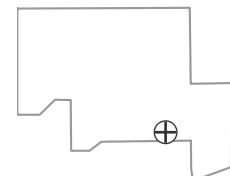
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

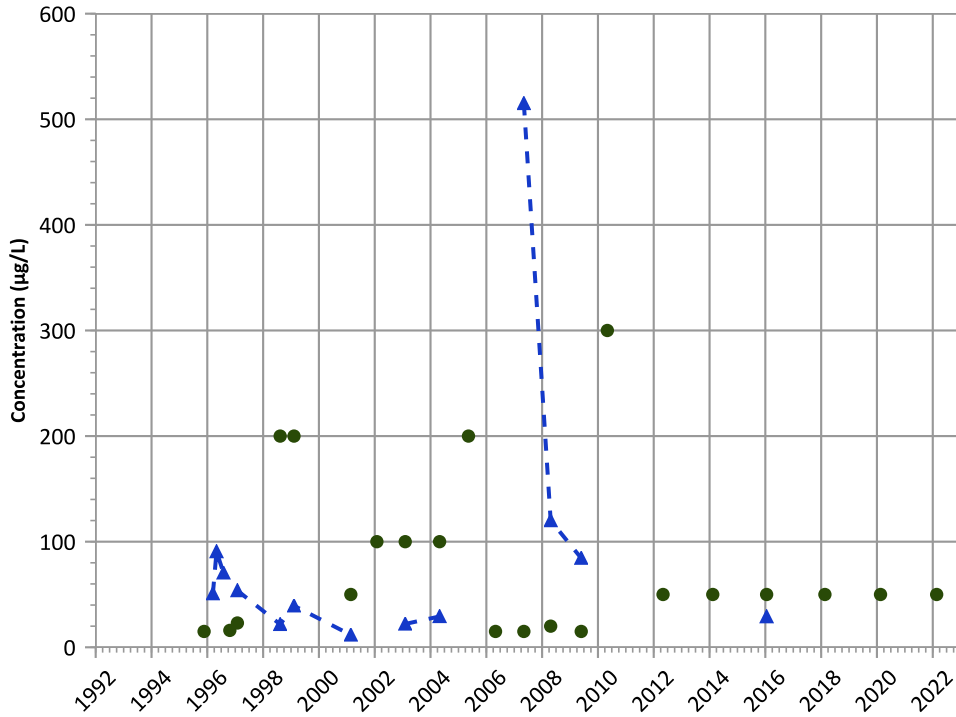


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend

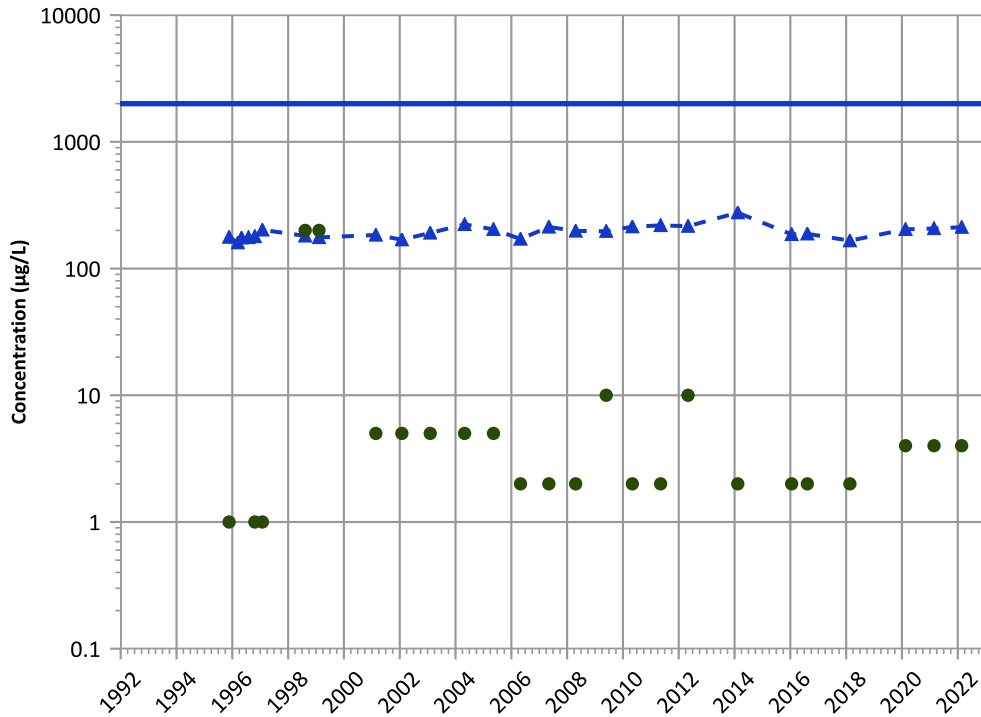


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

Barium Trend



Concentration Trend

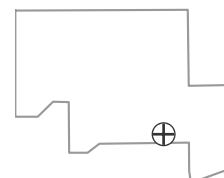
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

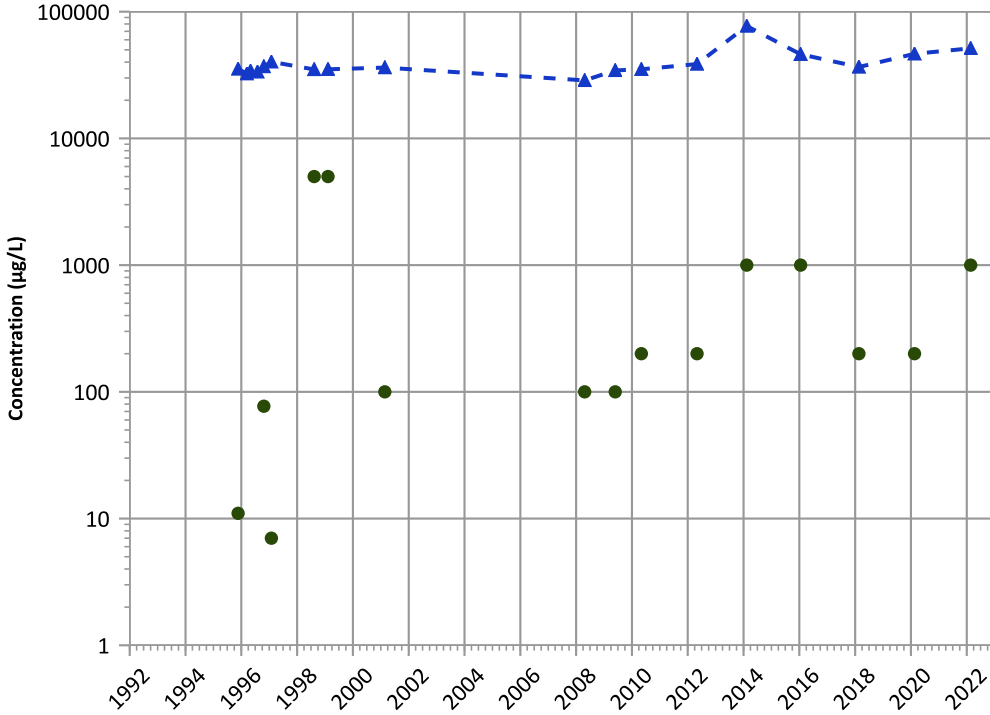
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend

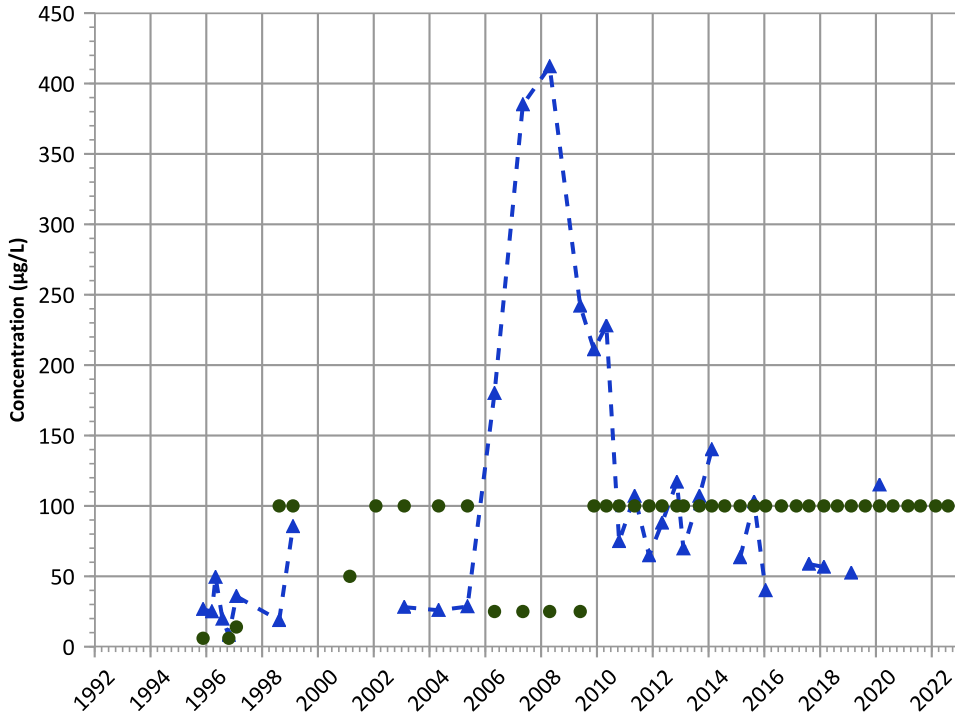


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

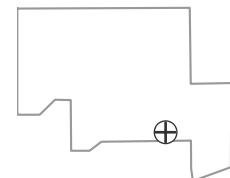
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

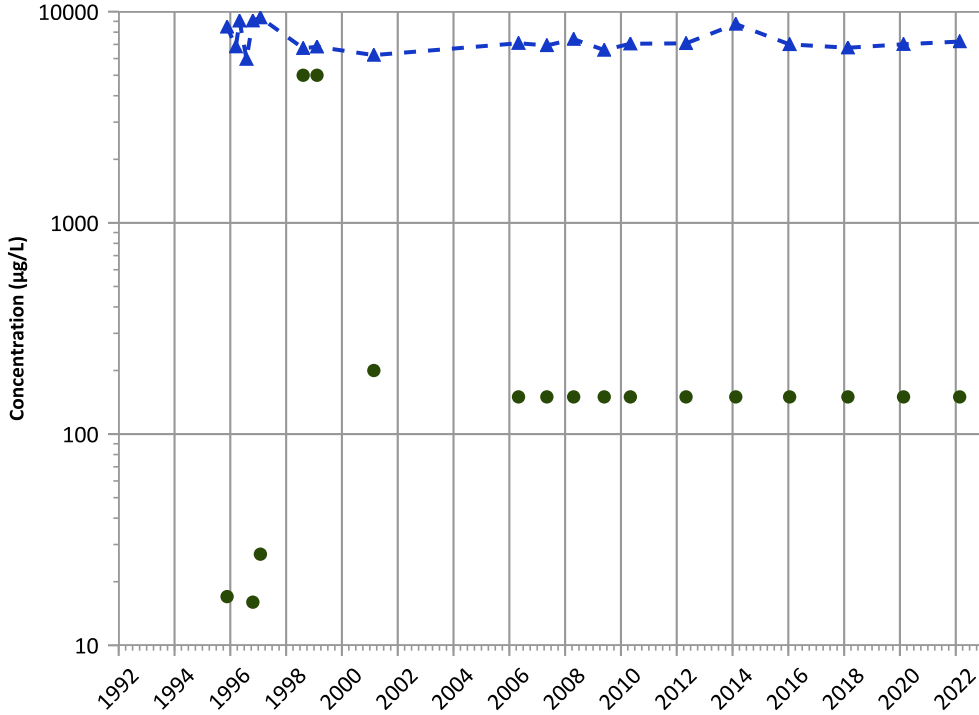
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

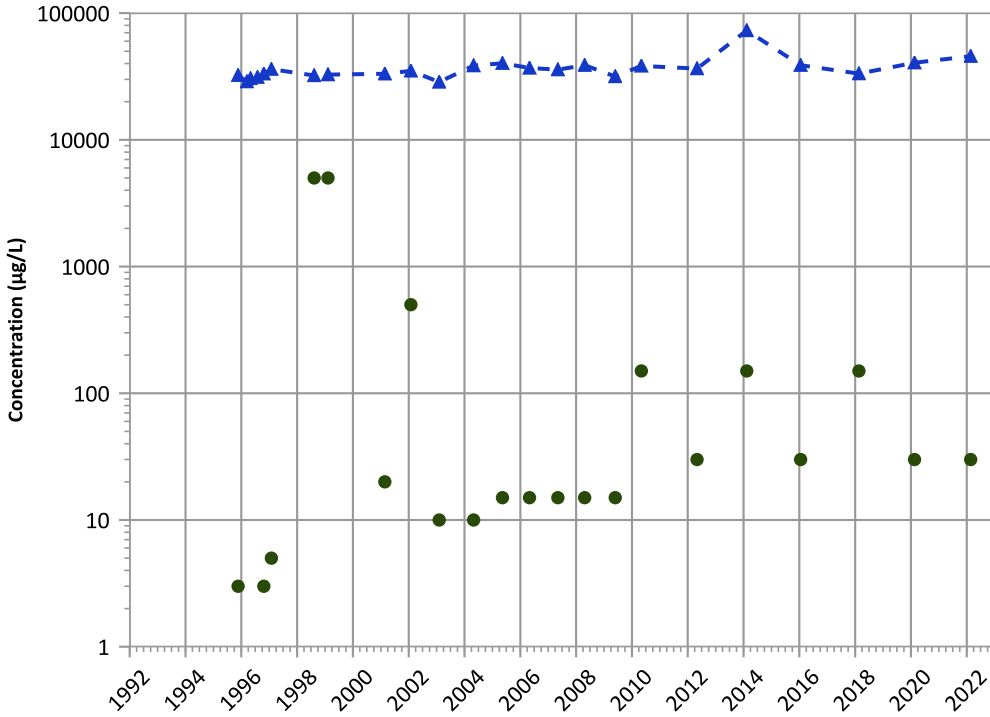


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Magnesium Trend



Concentration Trend

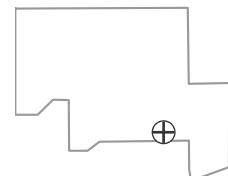
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

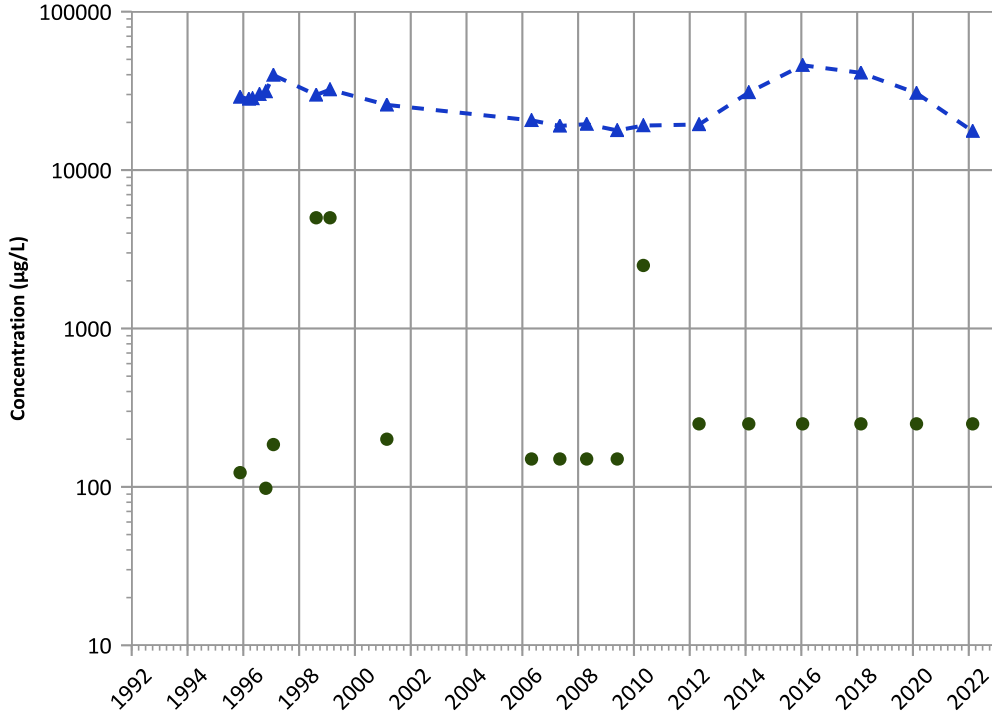
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend

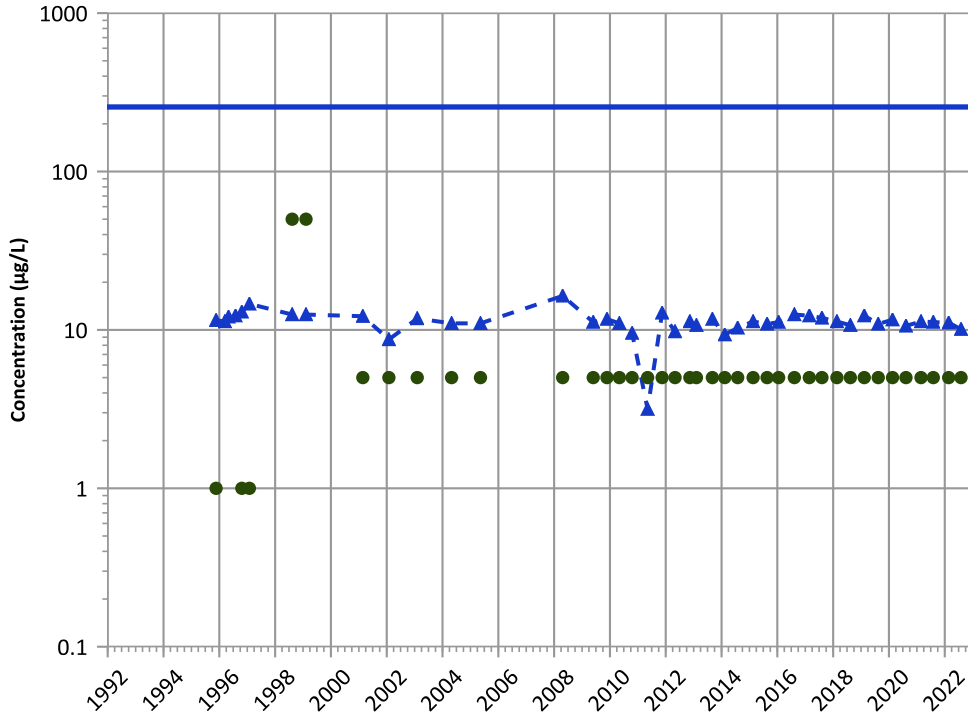


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Vanadium Trend



Concentration Trend

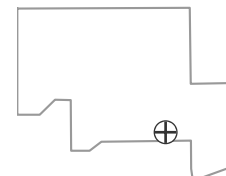
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/20/1995 to 08/02/2022  
Analysis Date: 04/27/2023

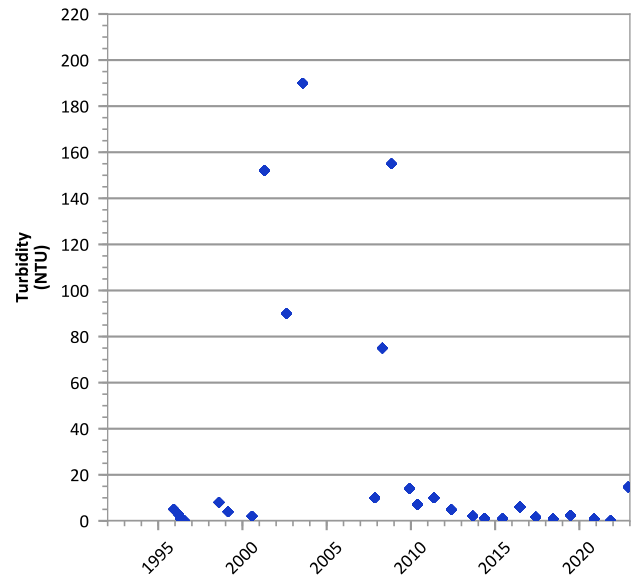
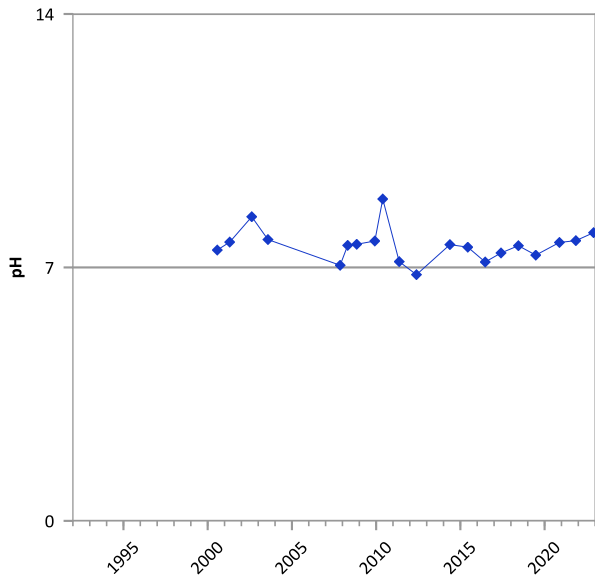
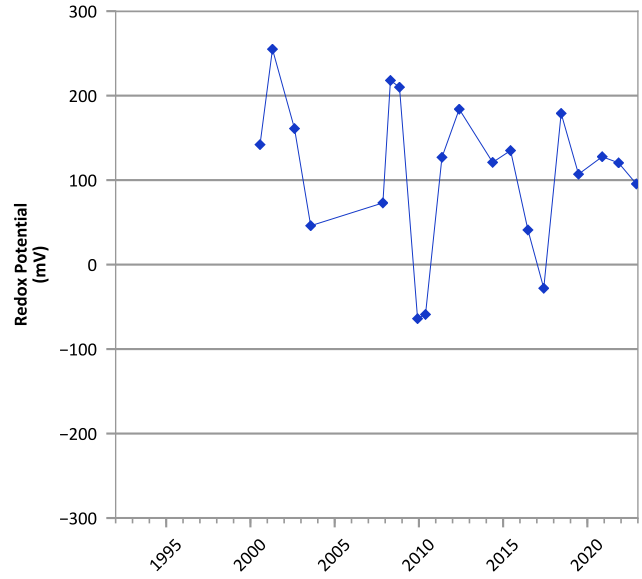
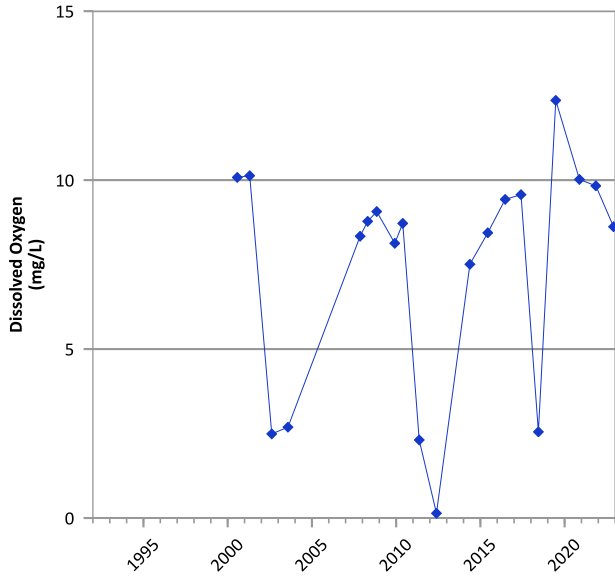
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



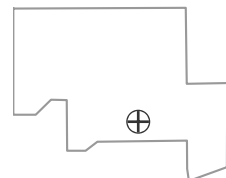


**PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



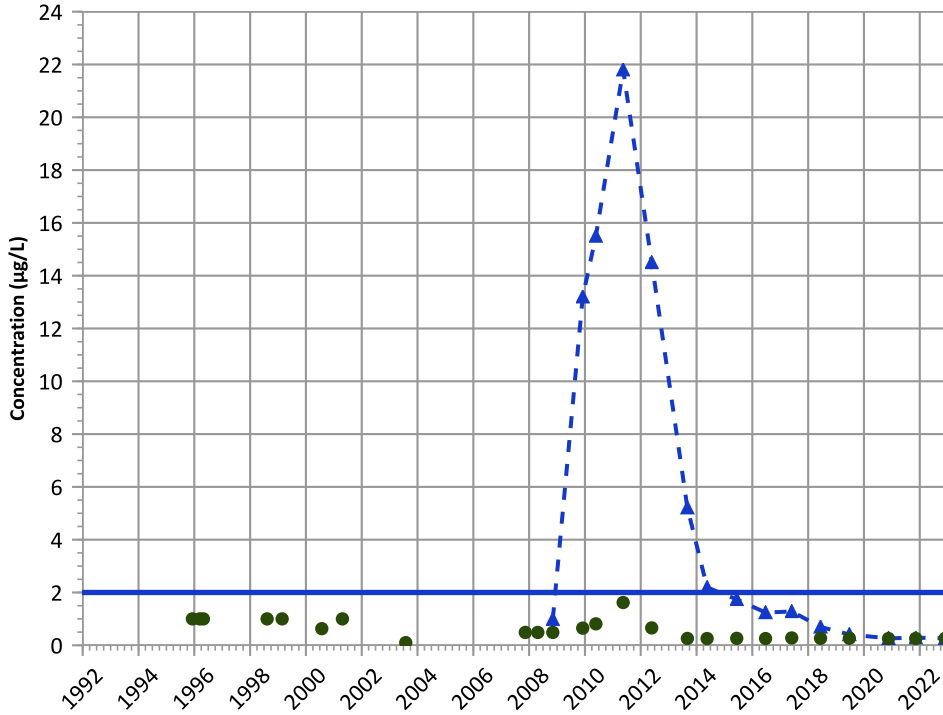
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/07/1995 to 11/28/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

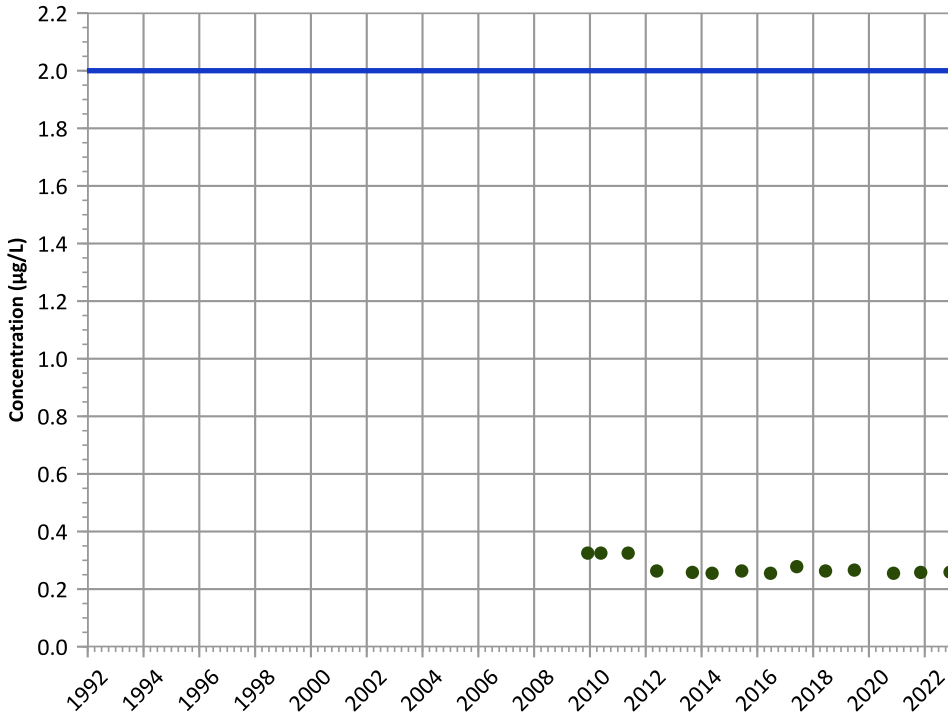


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

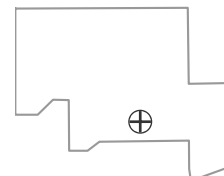
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

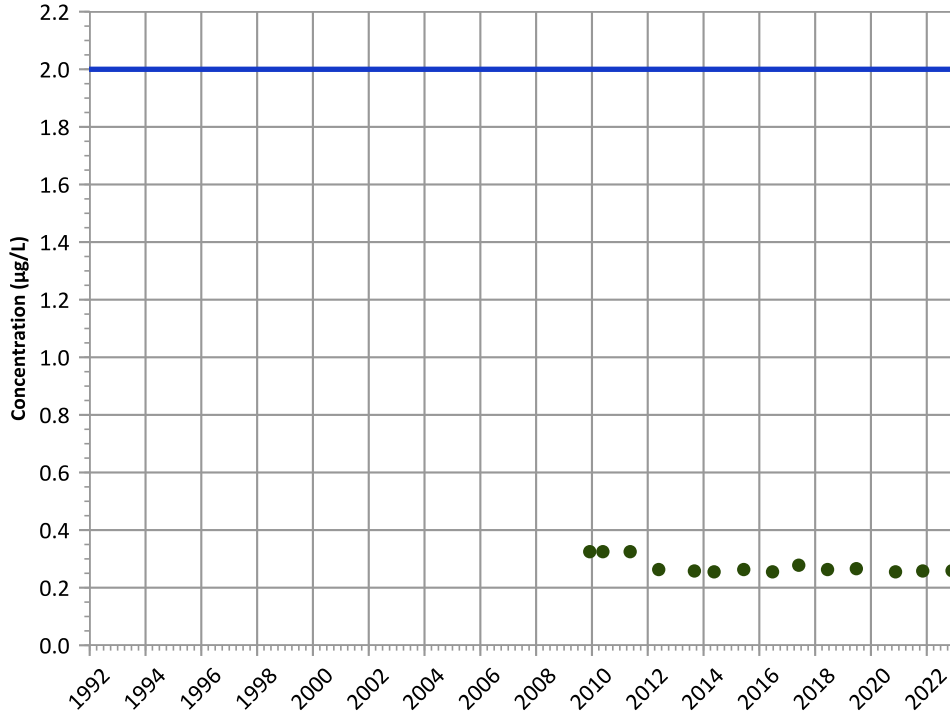
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

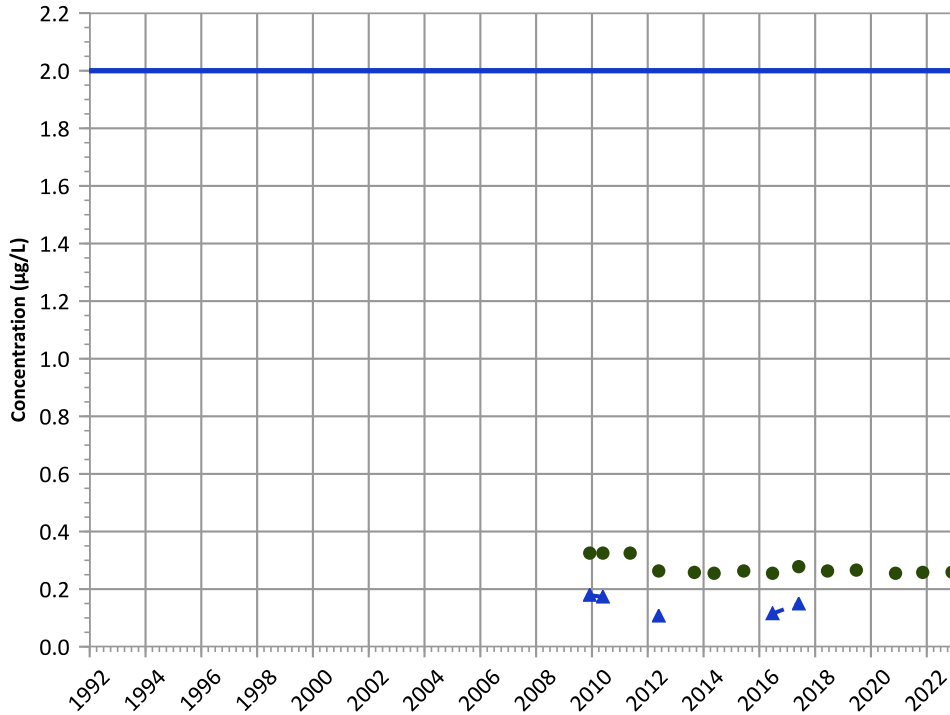
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

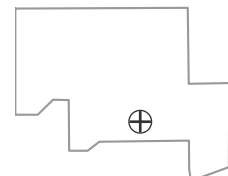
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

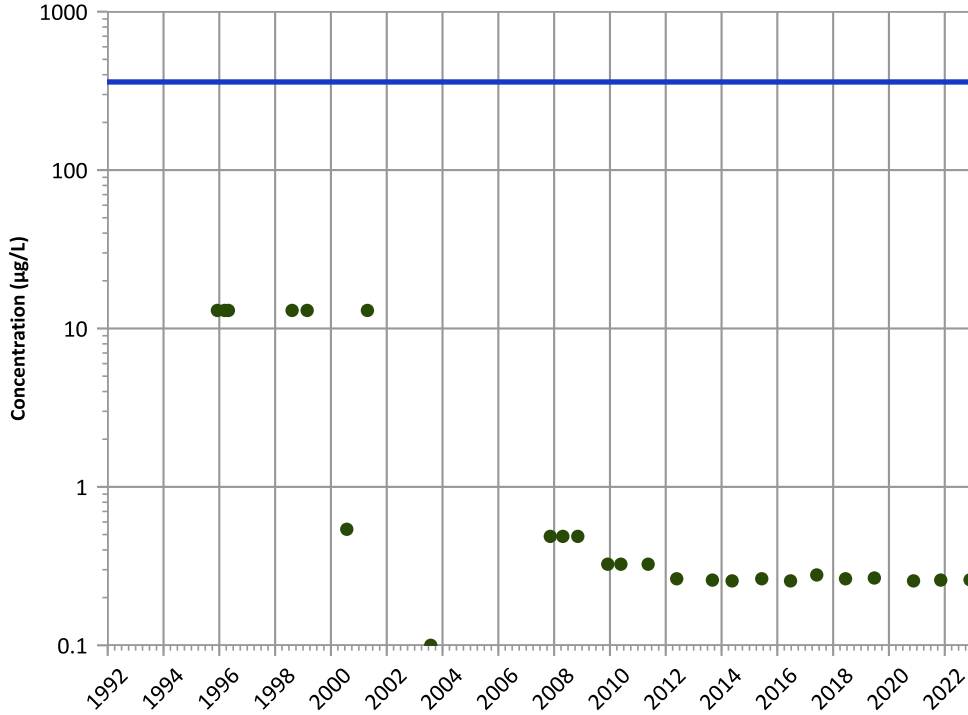
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

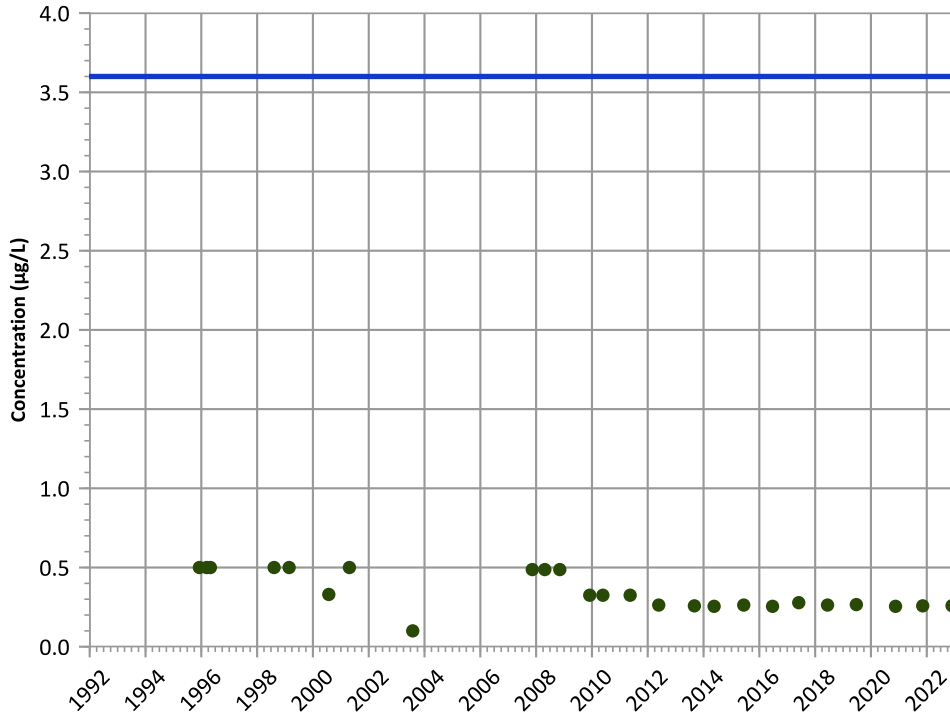
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

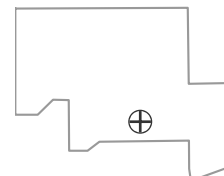
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

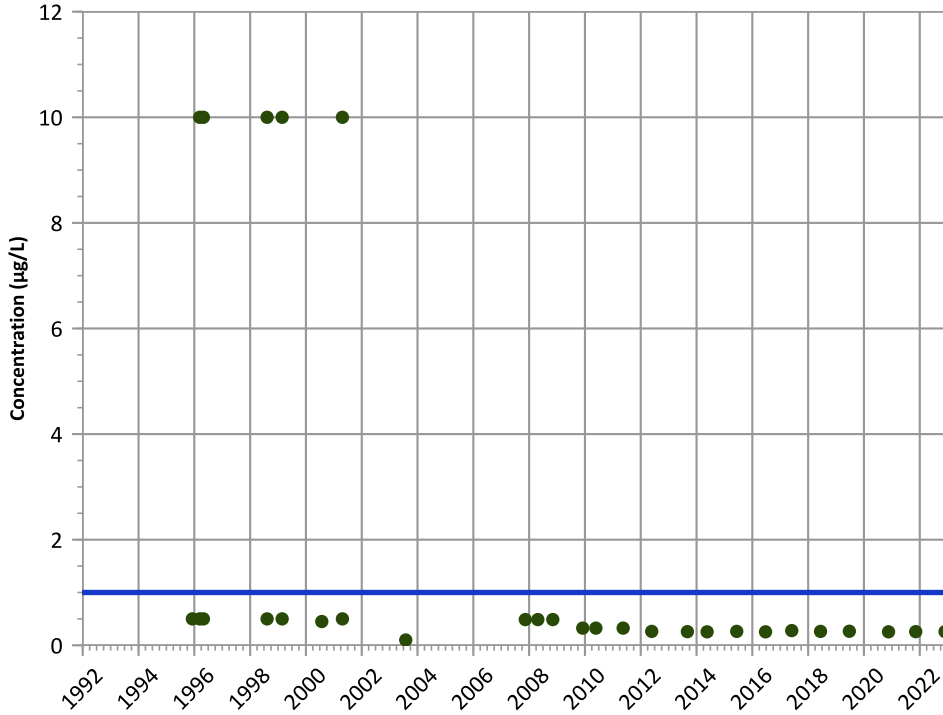
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

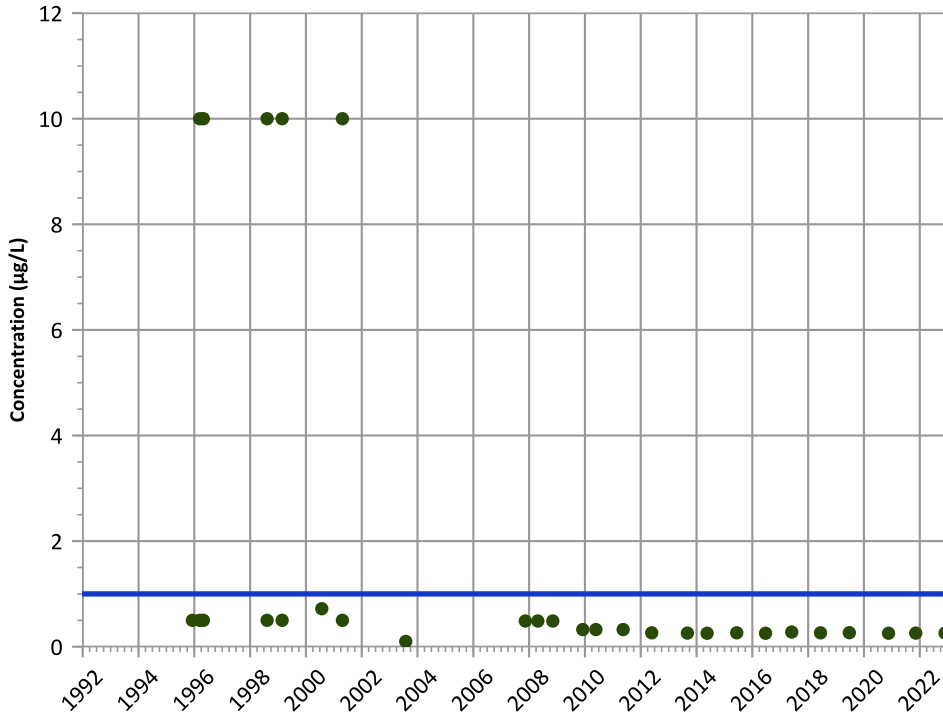
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

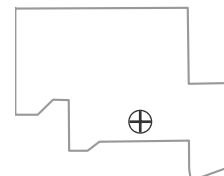
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

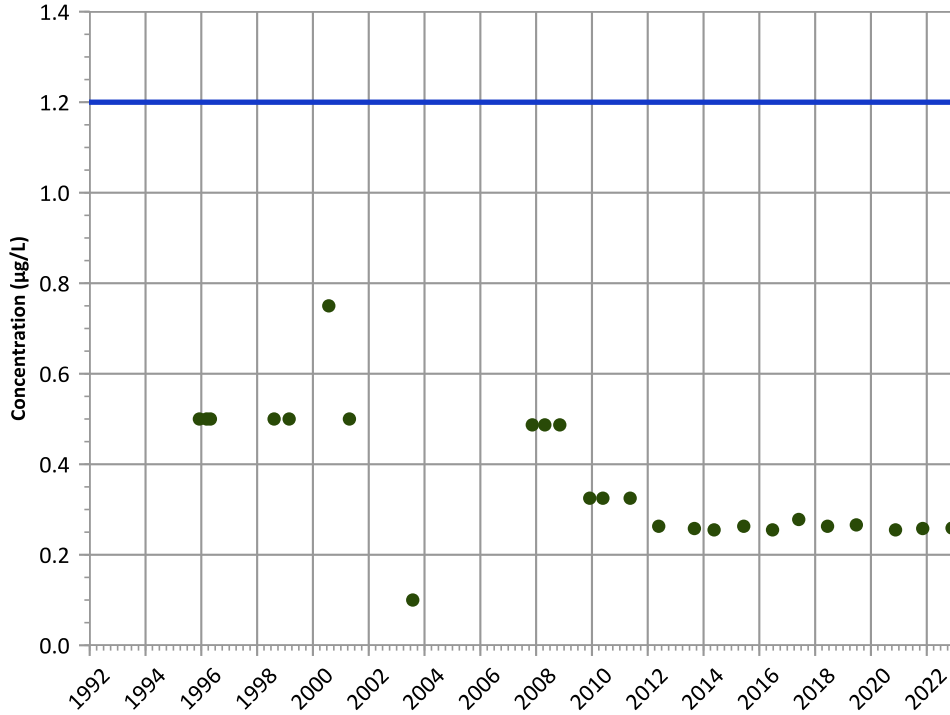
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

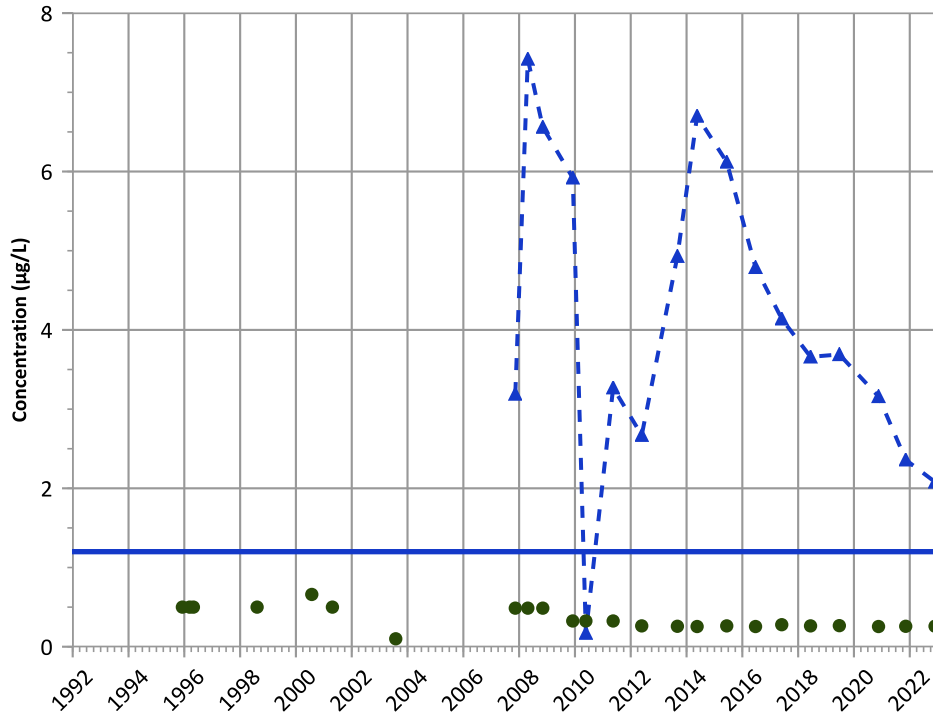
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

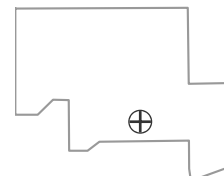
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

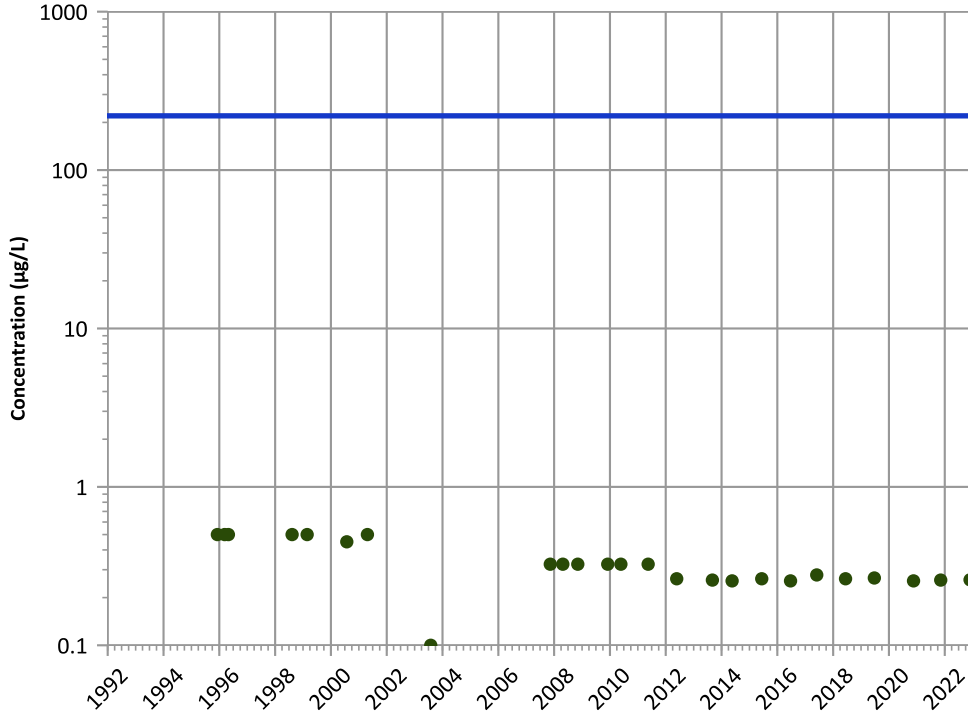
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

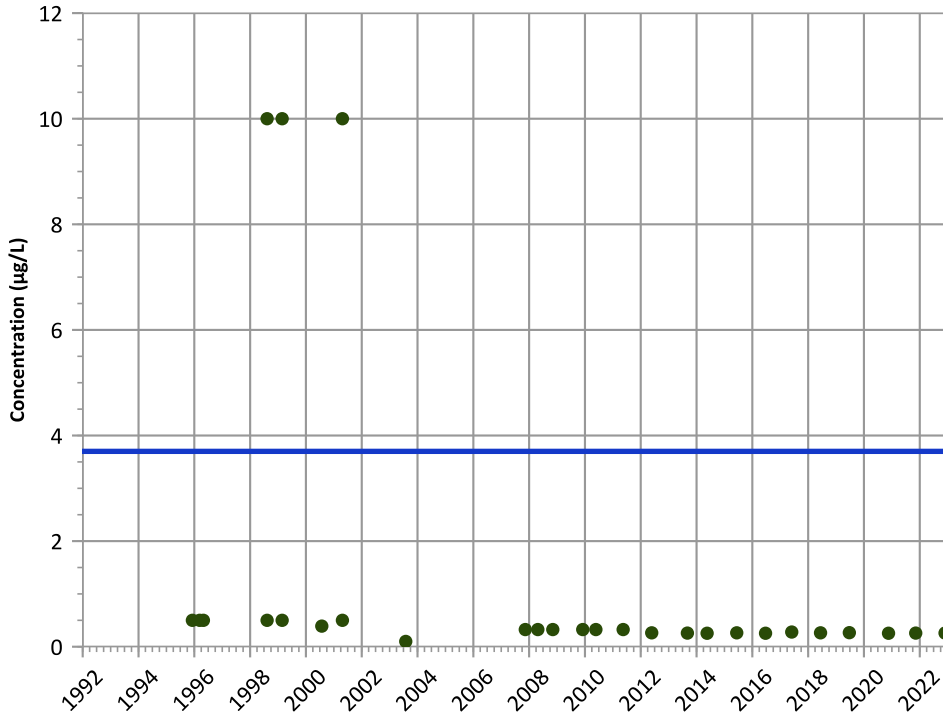
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

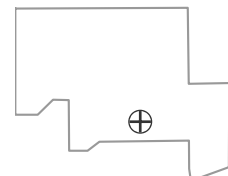
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

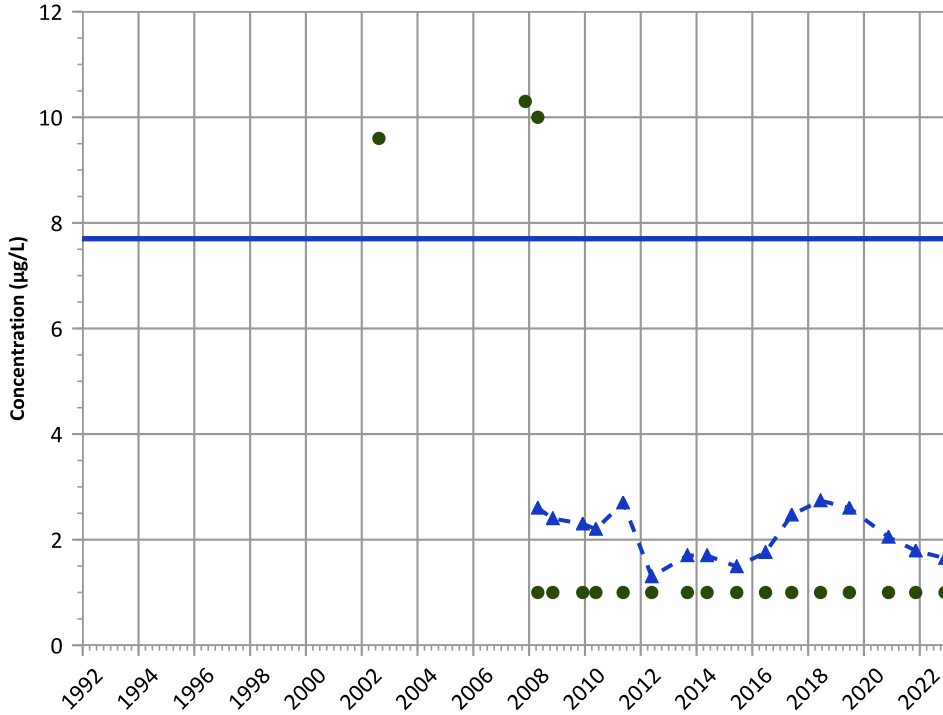
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

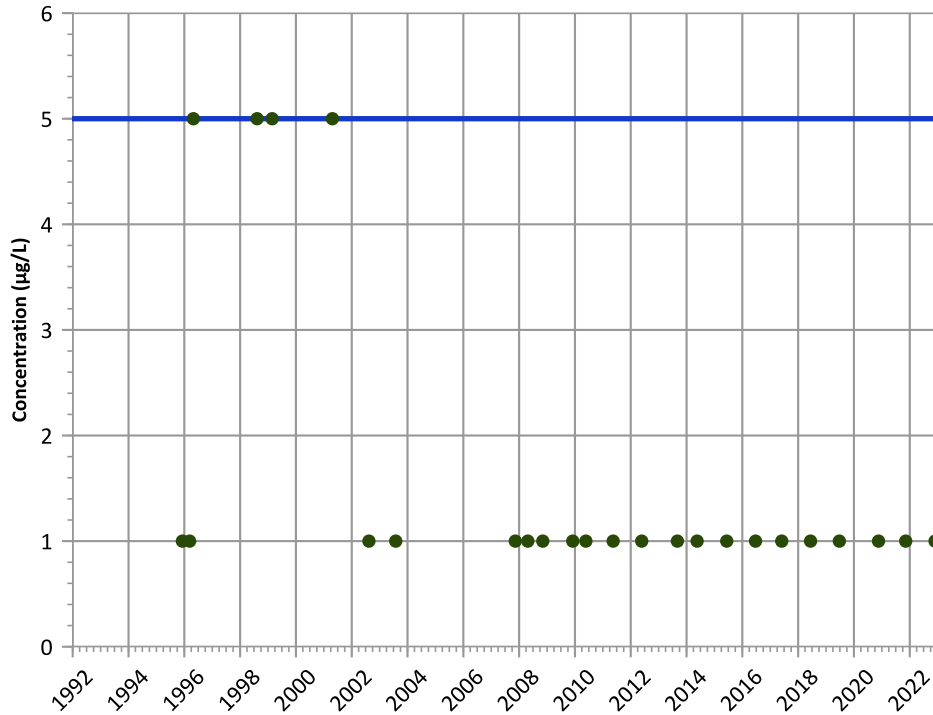


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

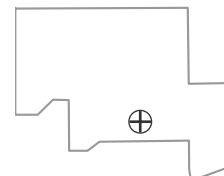
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

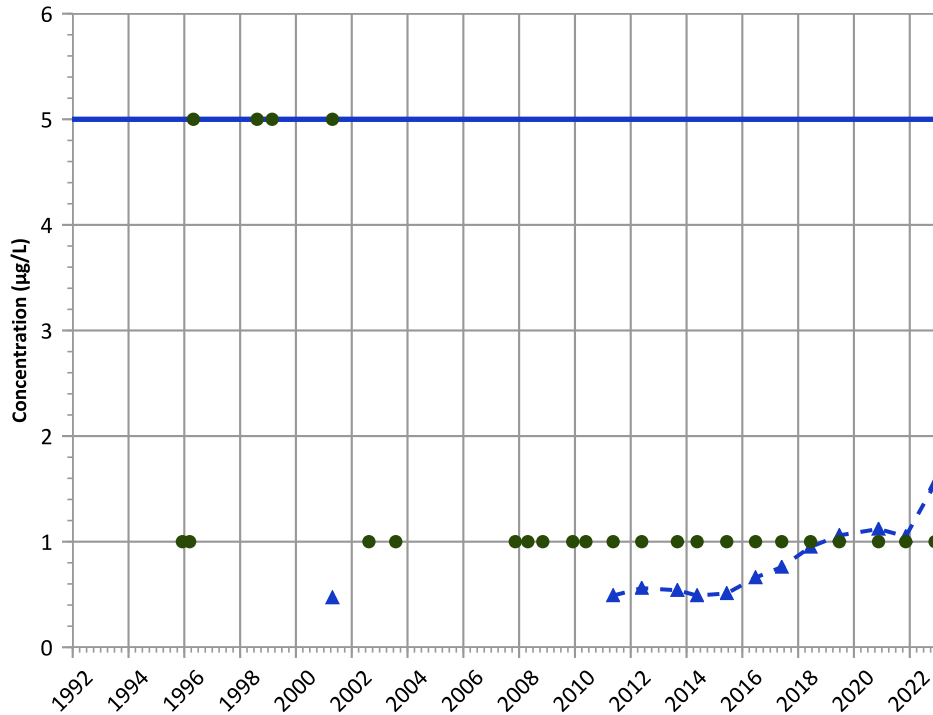
Well Location





PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

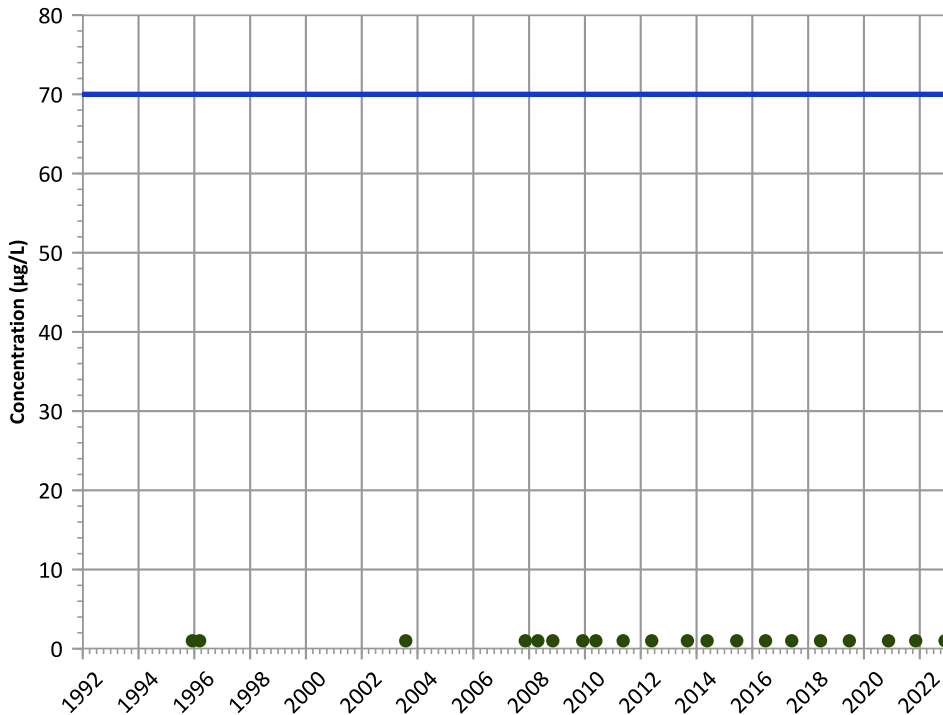


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

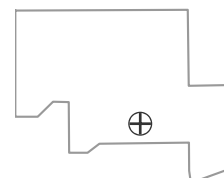
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

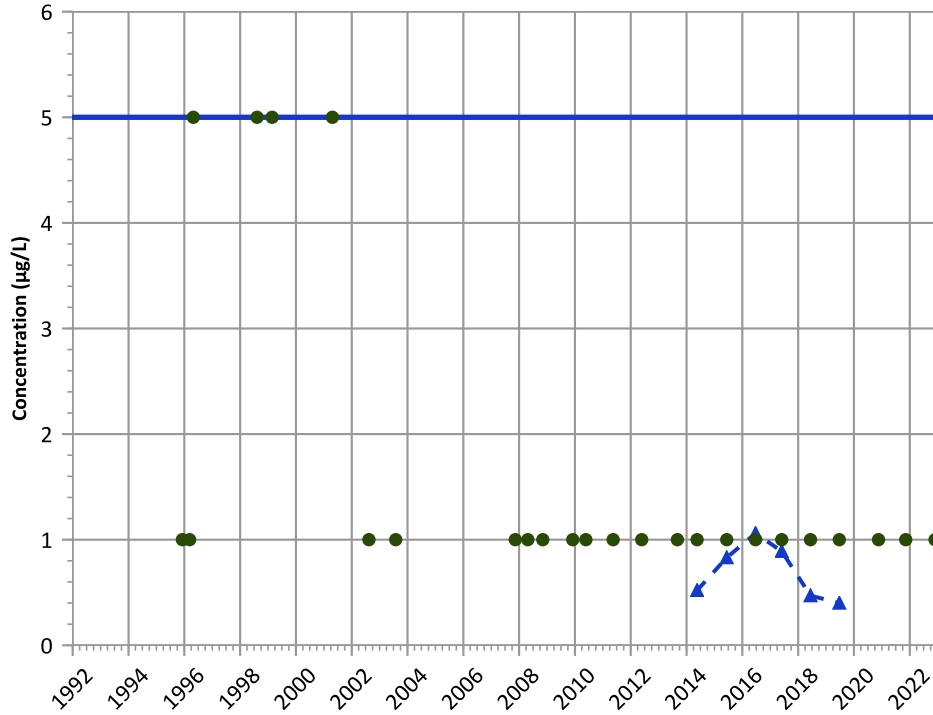
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

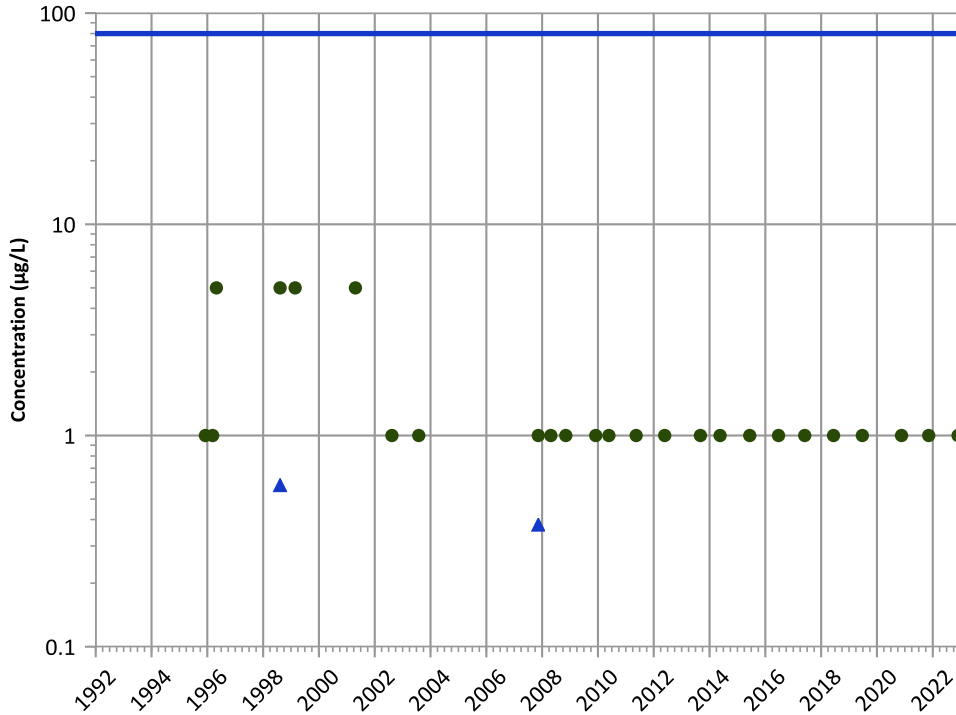


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

**Chloroform Trend**

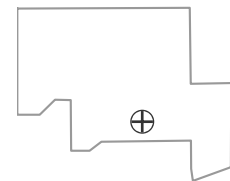


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

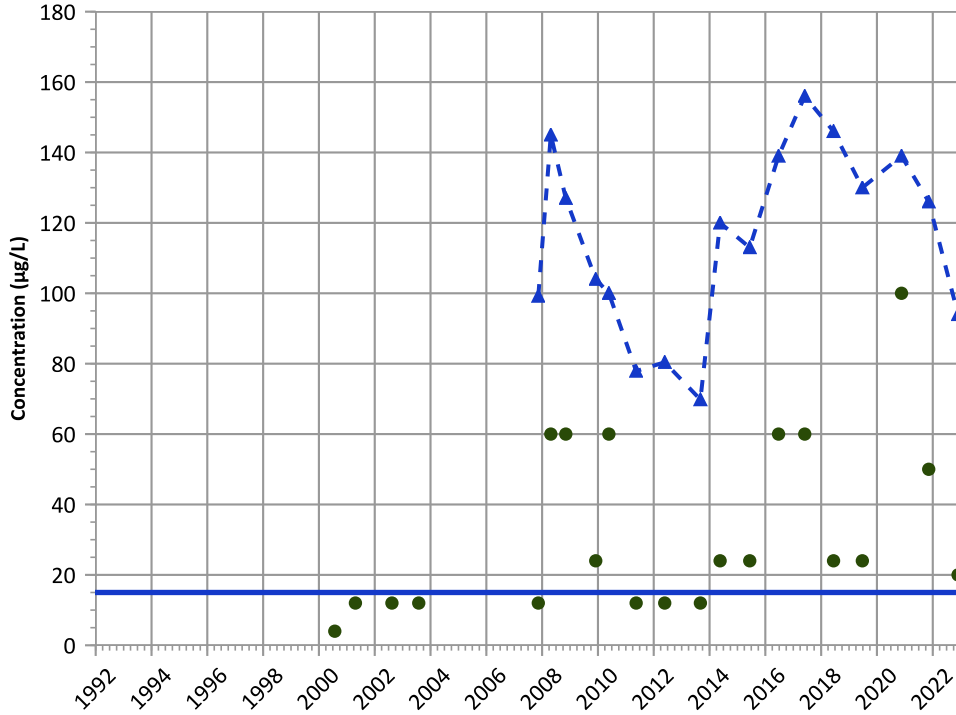


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

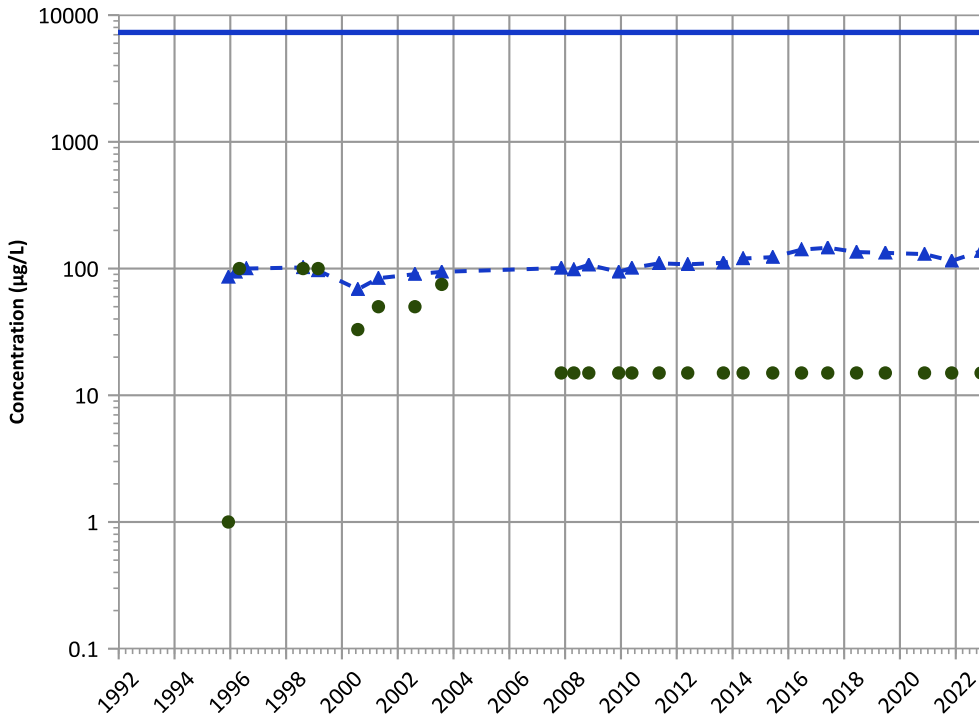
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

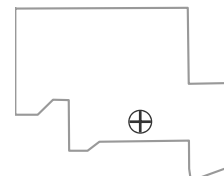
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

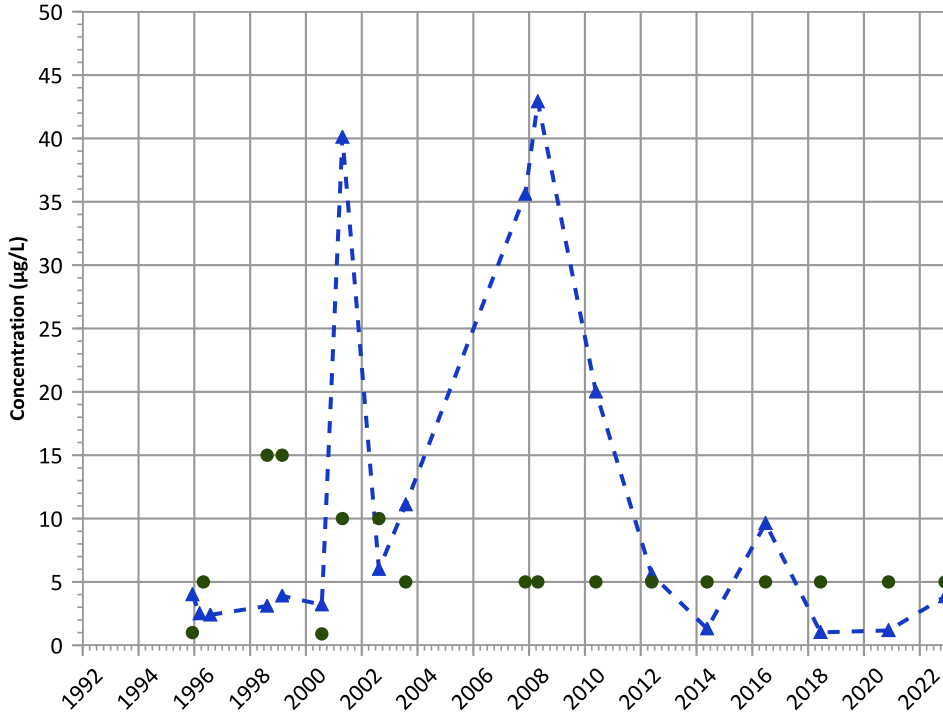
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

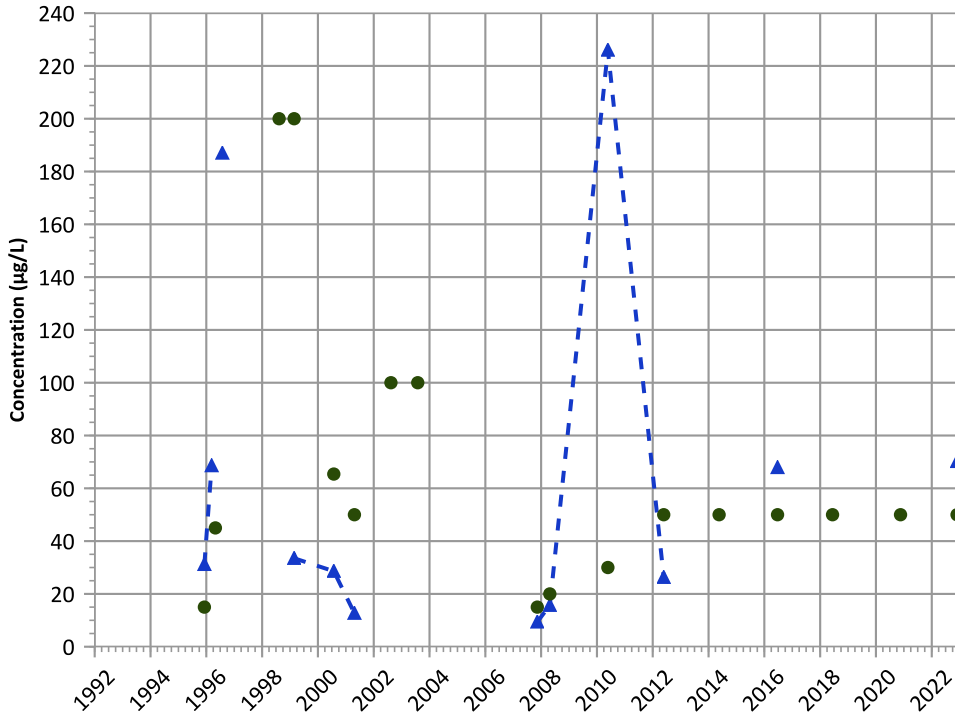


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

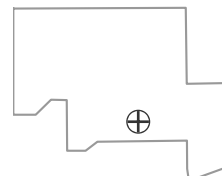
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

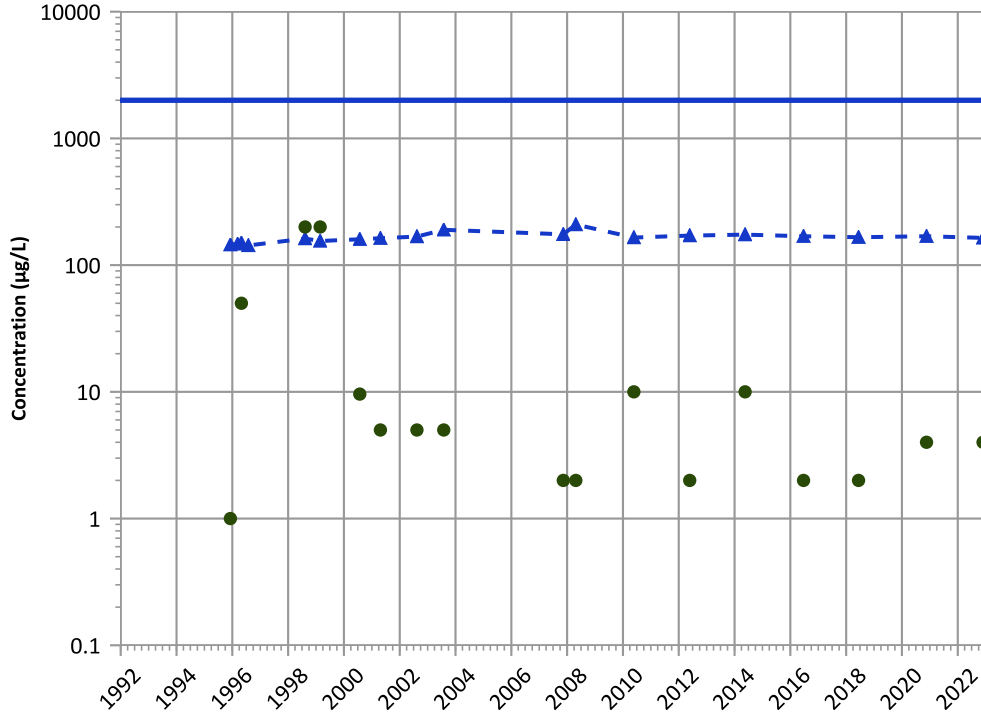
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

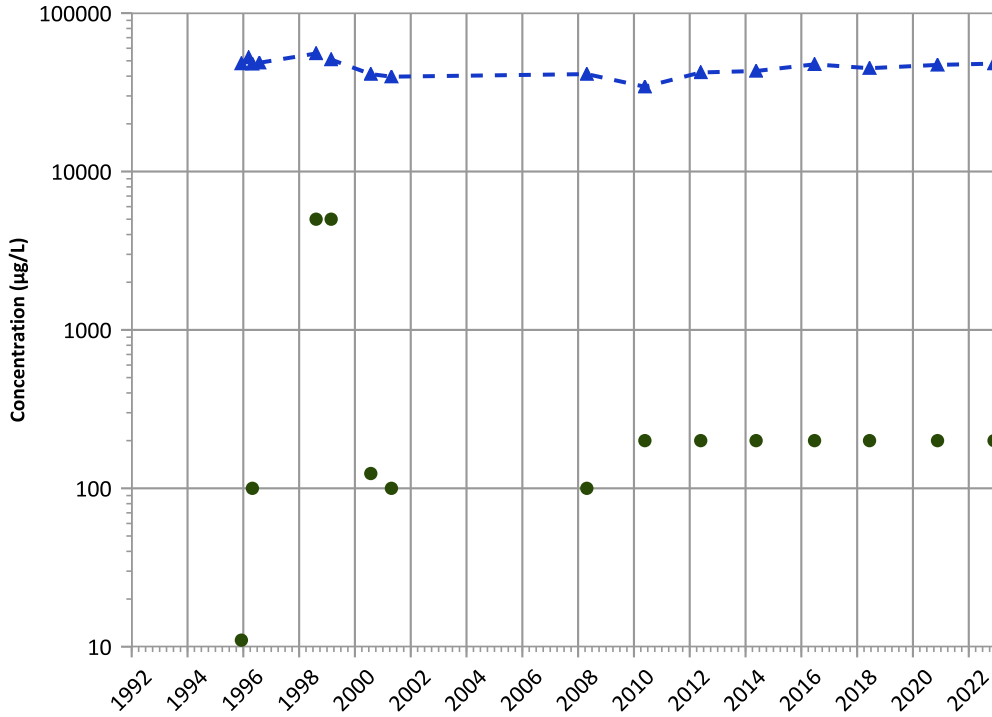


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Calcium Trend



Concentration Trend

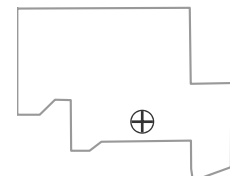
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

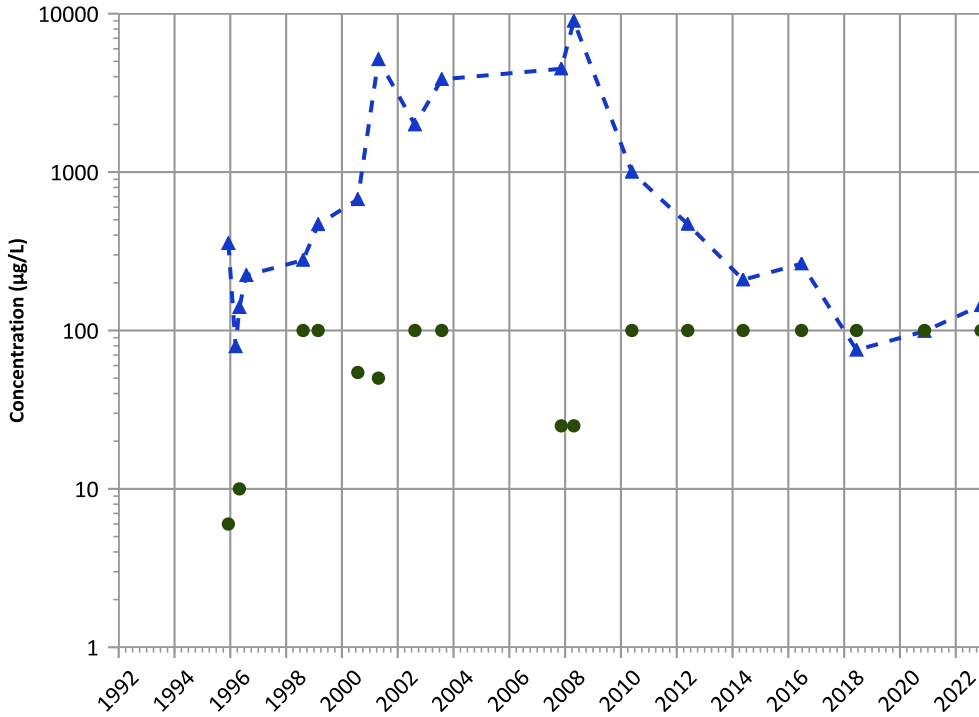
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

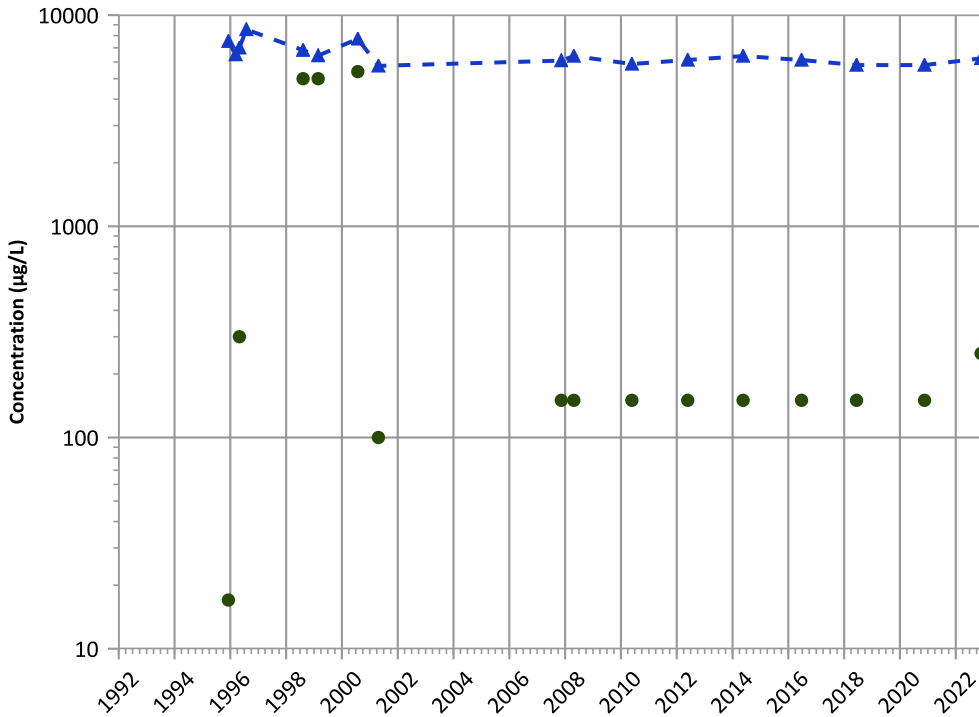


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

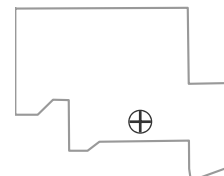
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

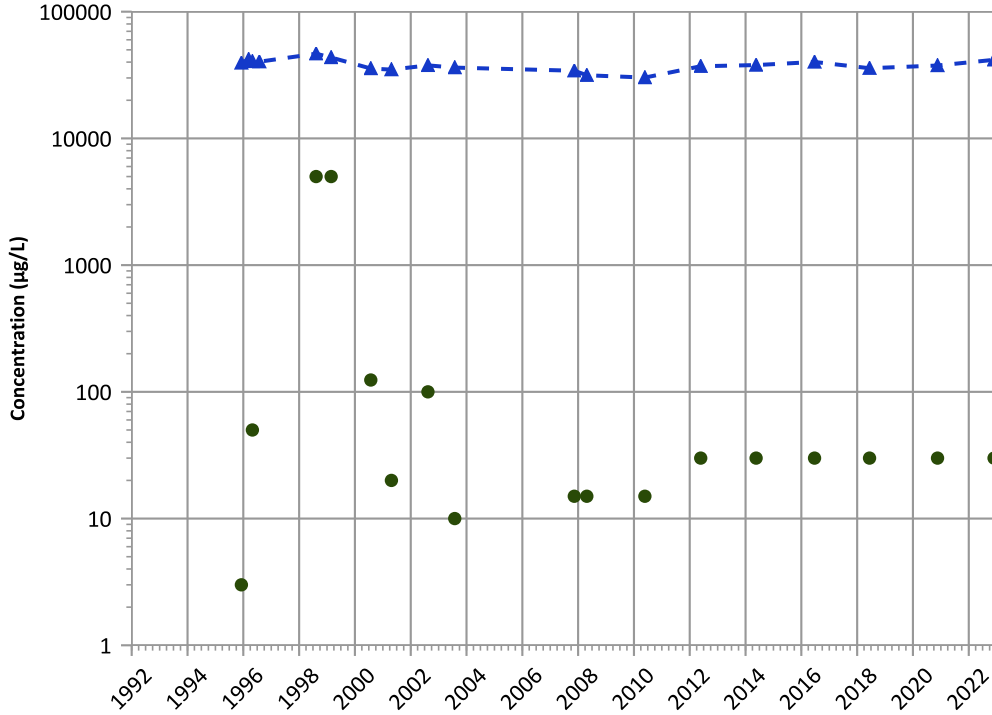
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

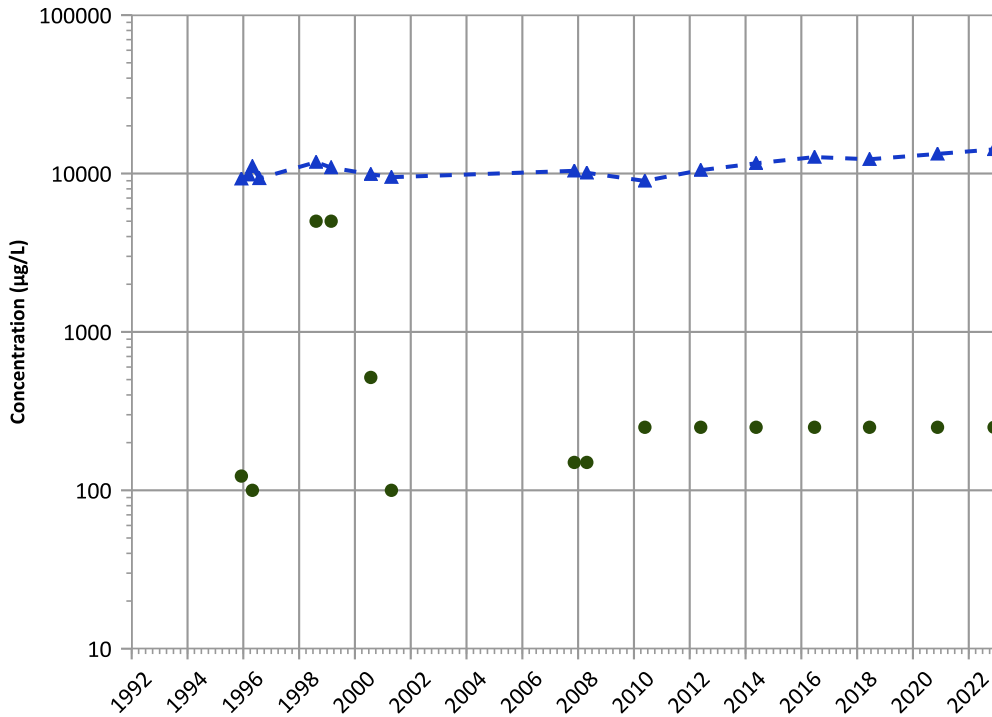
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

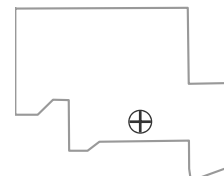
2020 - 2022 Data:

Probably Increasing

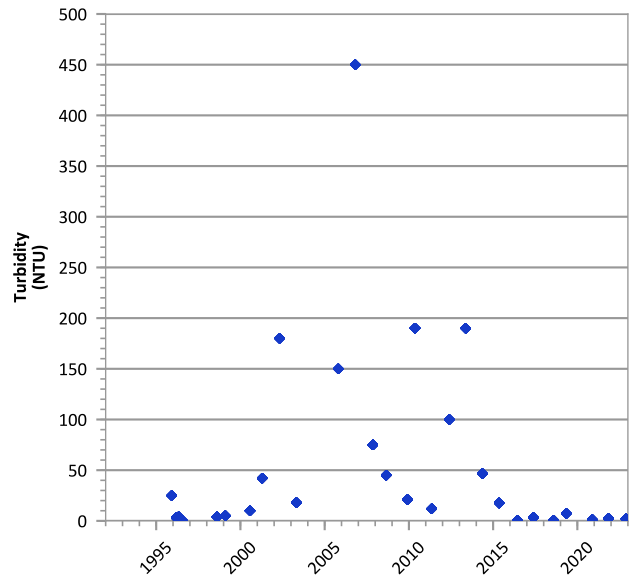
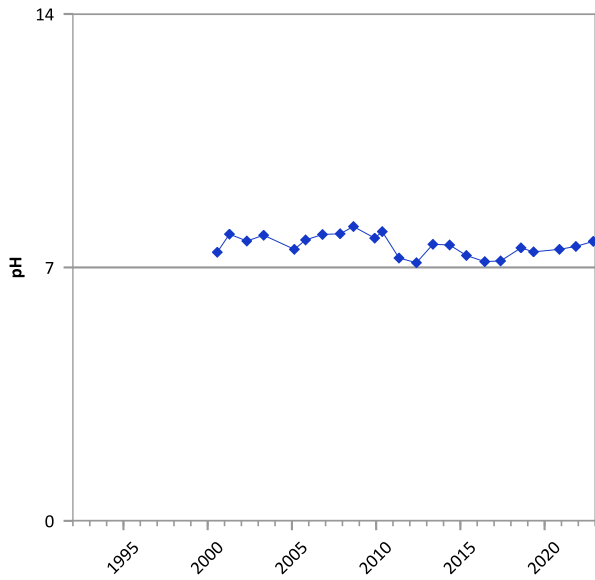
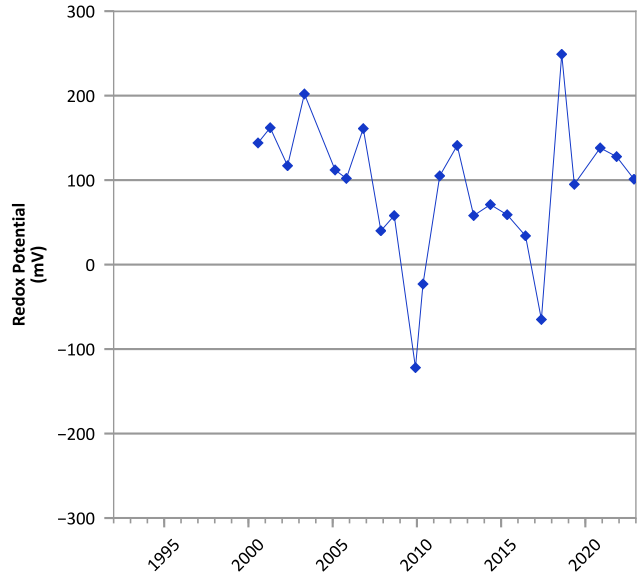
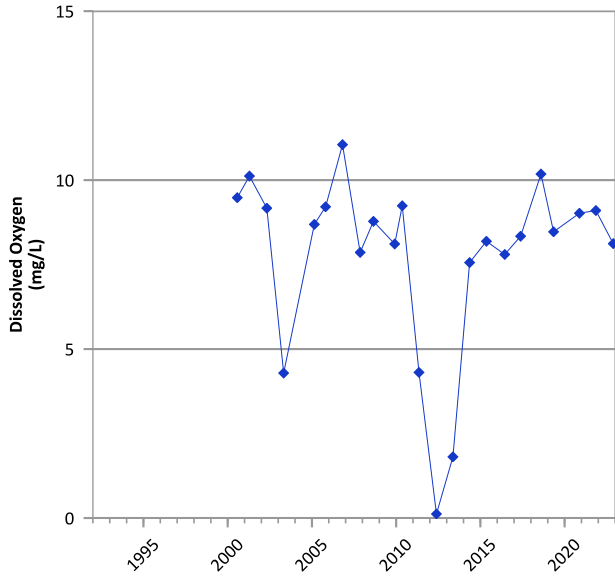
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 11/28/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

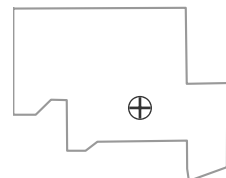


**PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/05/1995 to 11/21/2022  
 Analysis Date: 04/27/2023

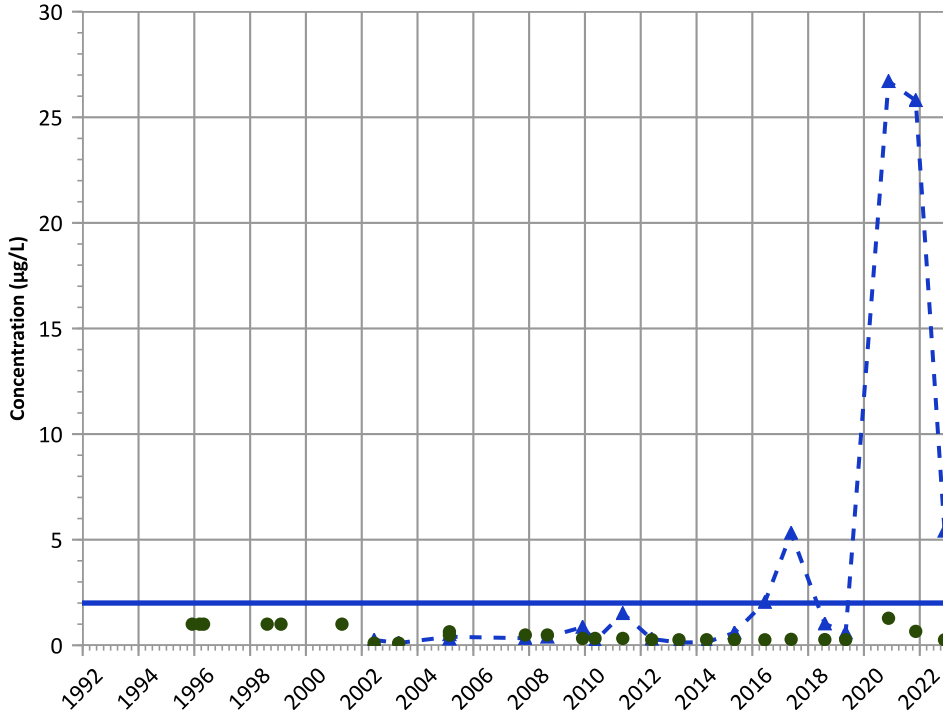
**Well Location**





PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

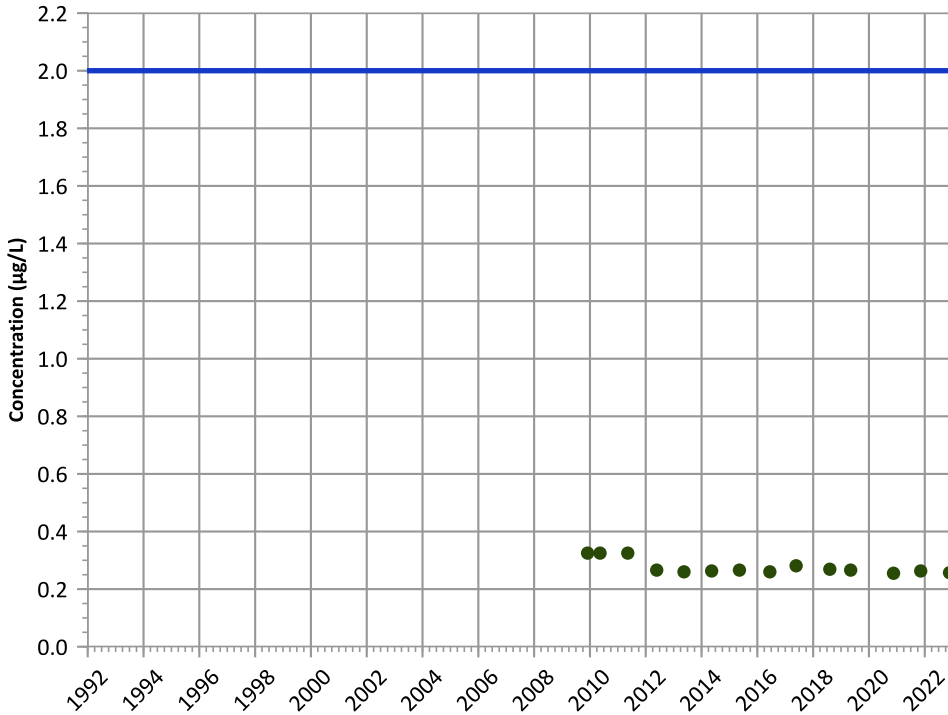
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

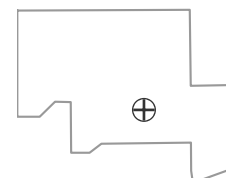
2020 - 2022 Data:

All Non-Detect

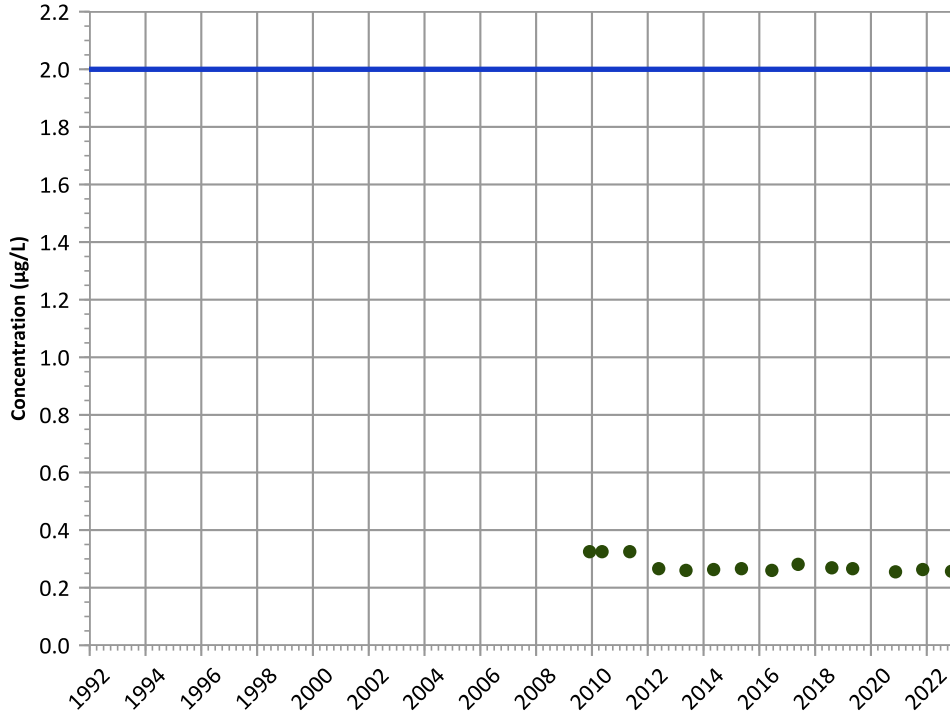
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

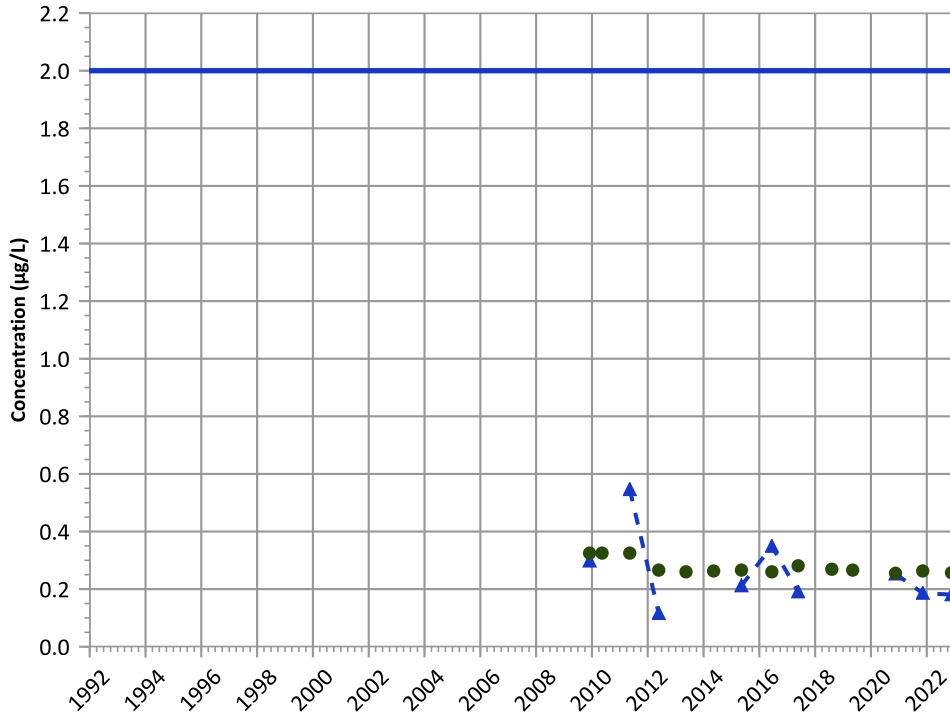
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

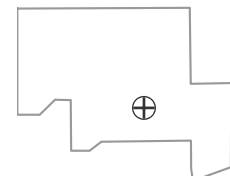
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

**Well Location**

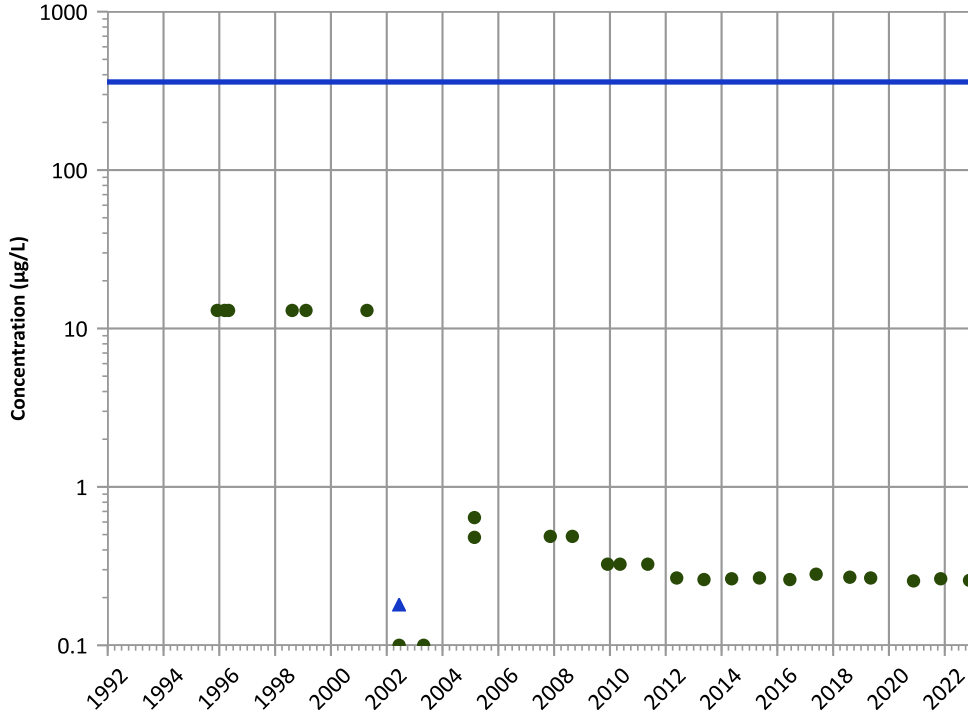


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

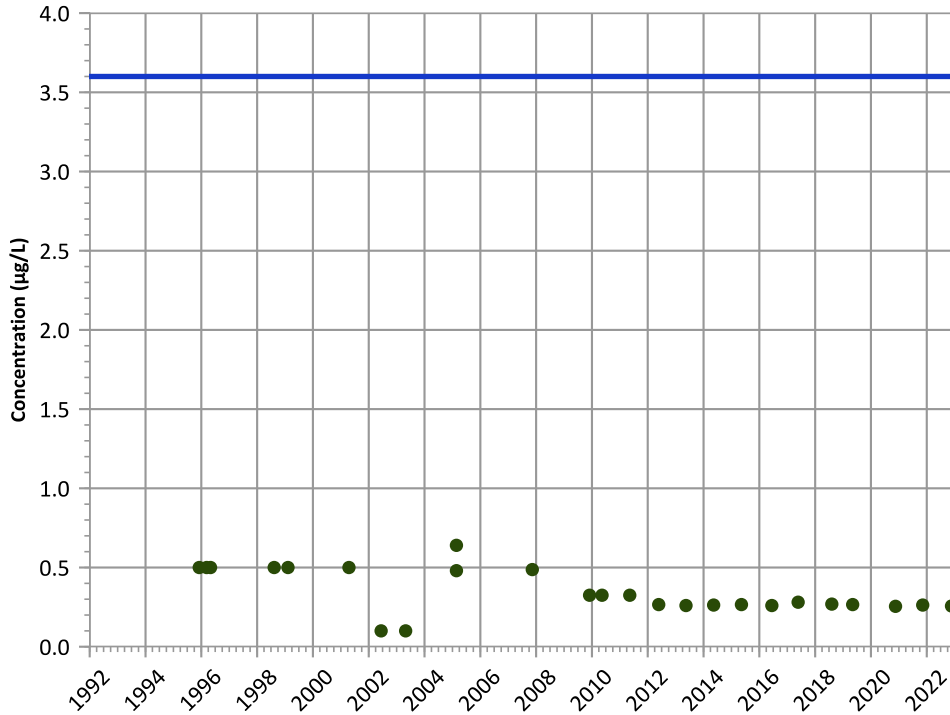
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

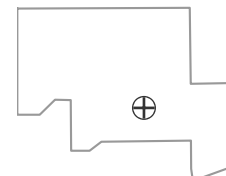
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

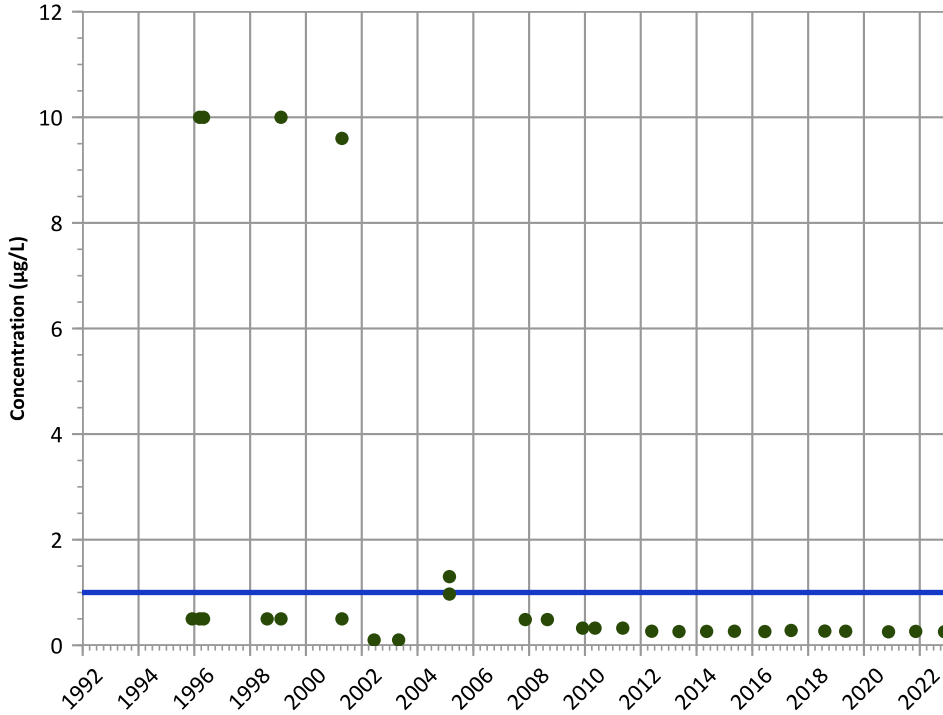
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

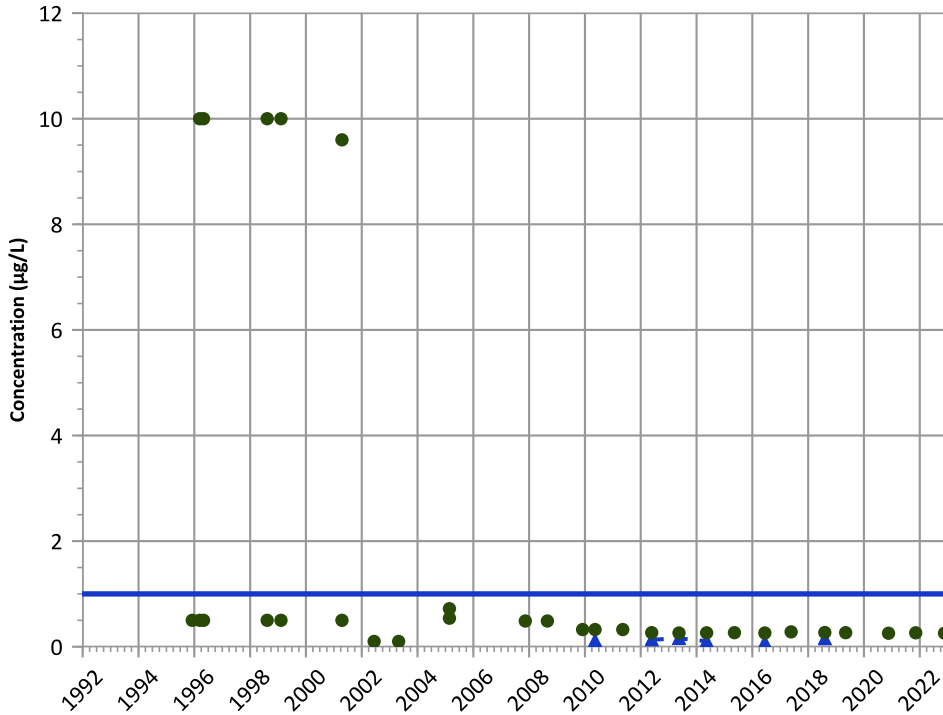
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

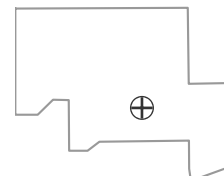
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

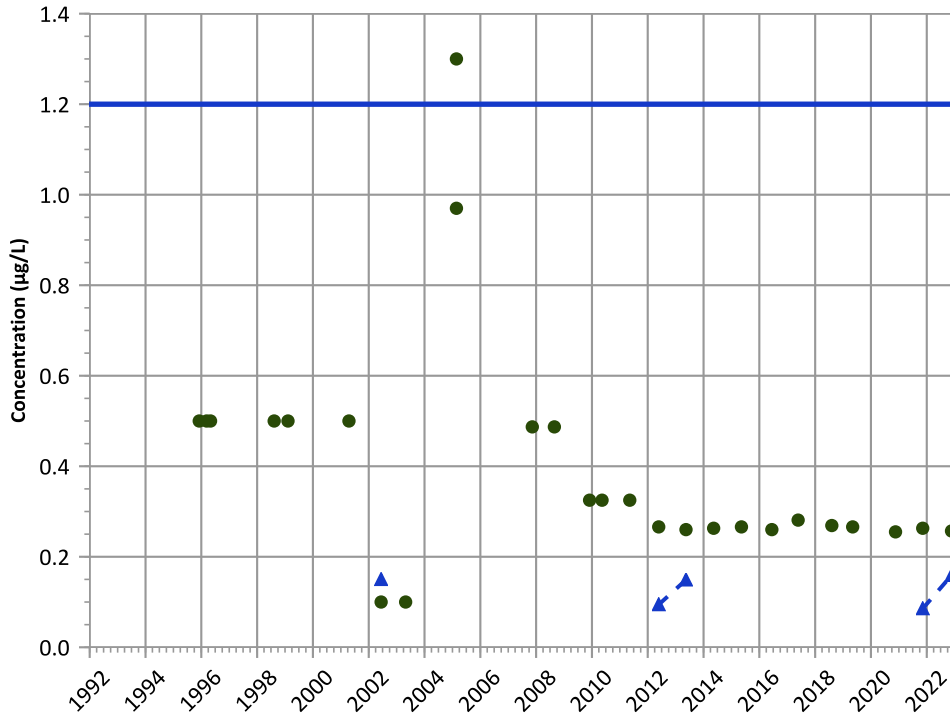
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

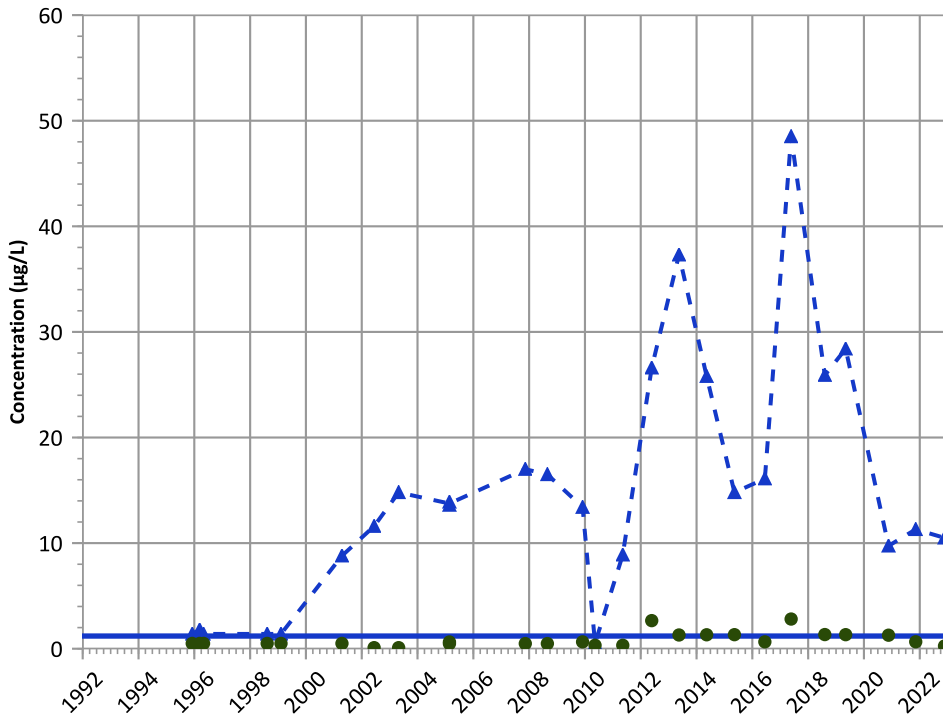


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

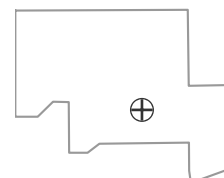
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

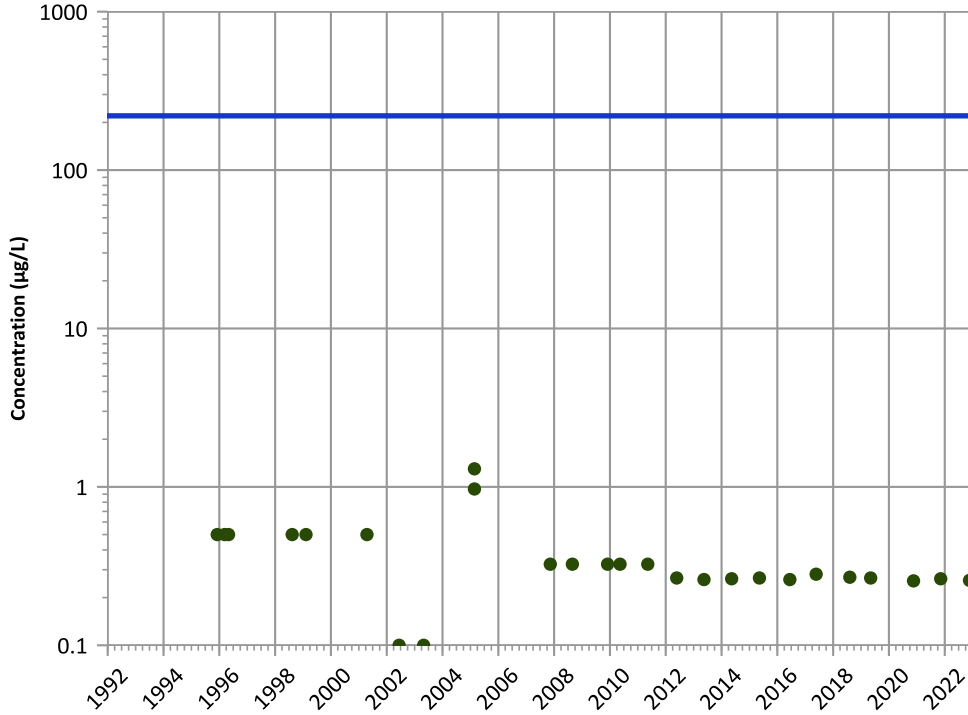
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

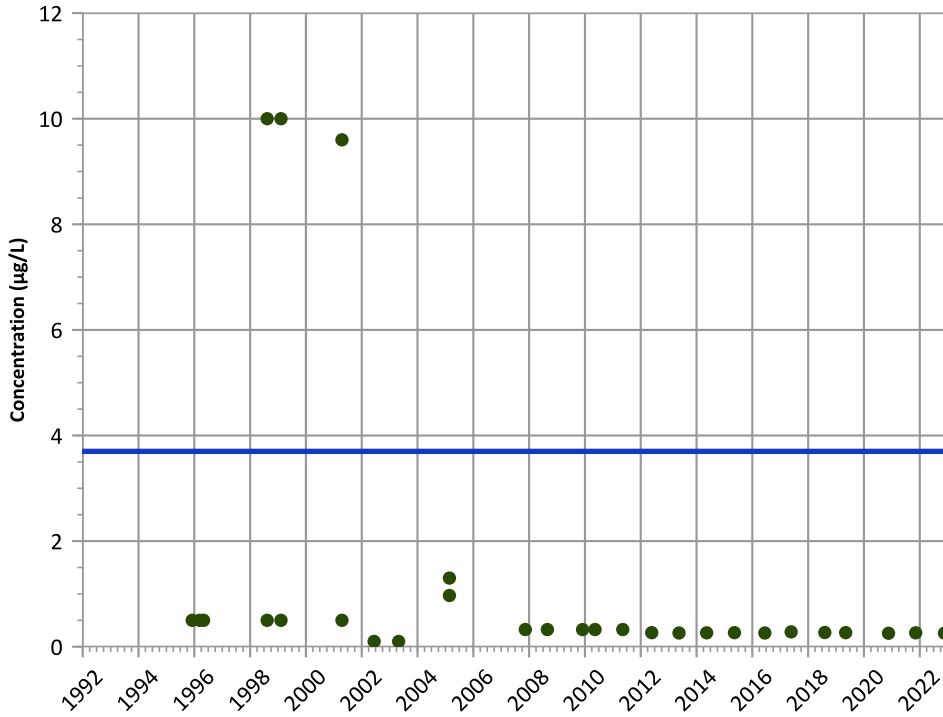
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

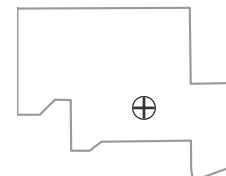
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

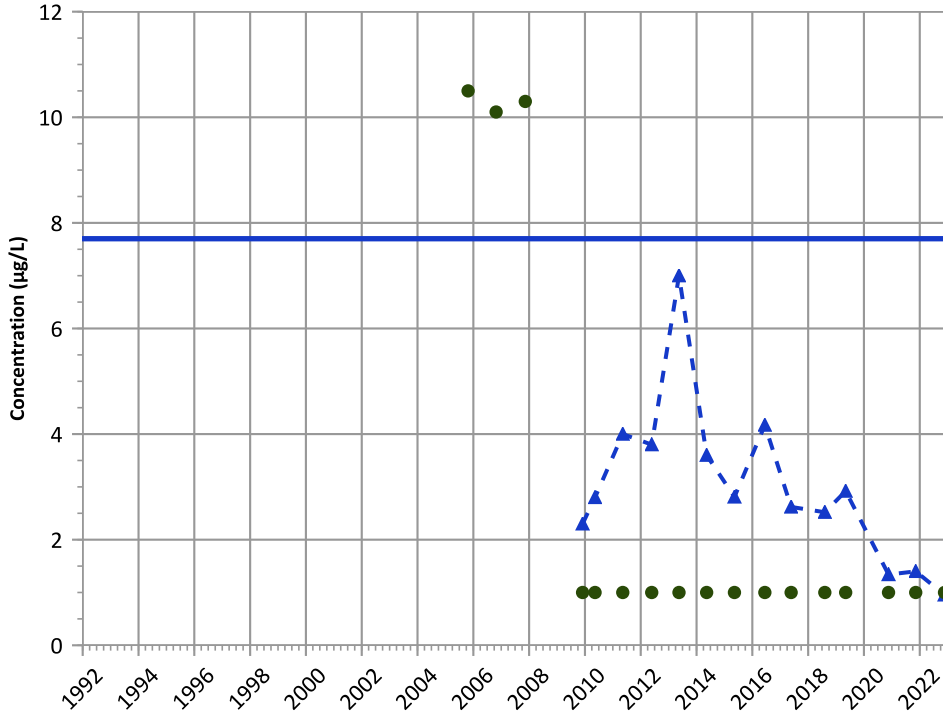
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

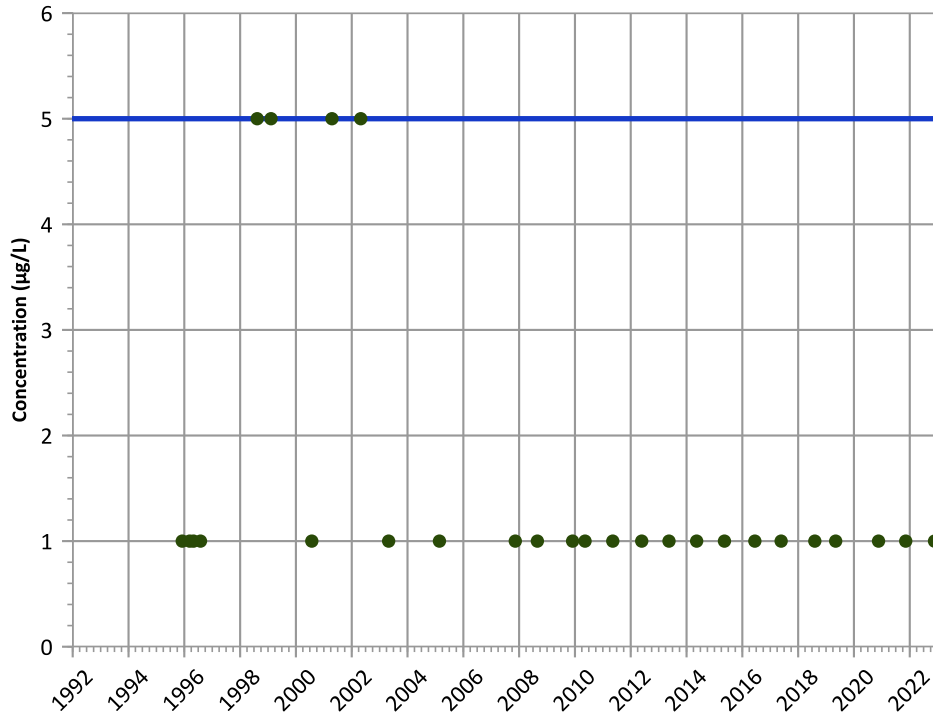


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

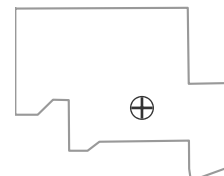
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

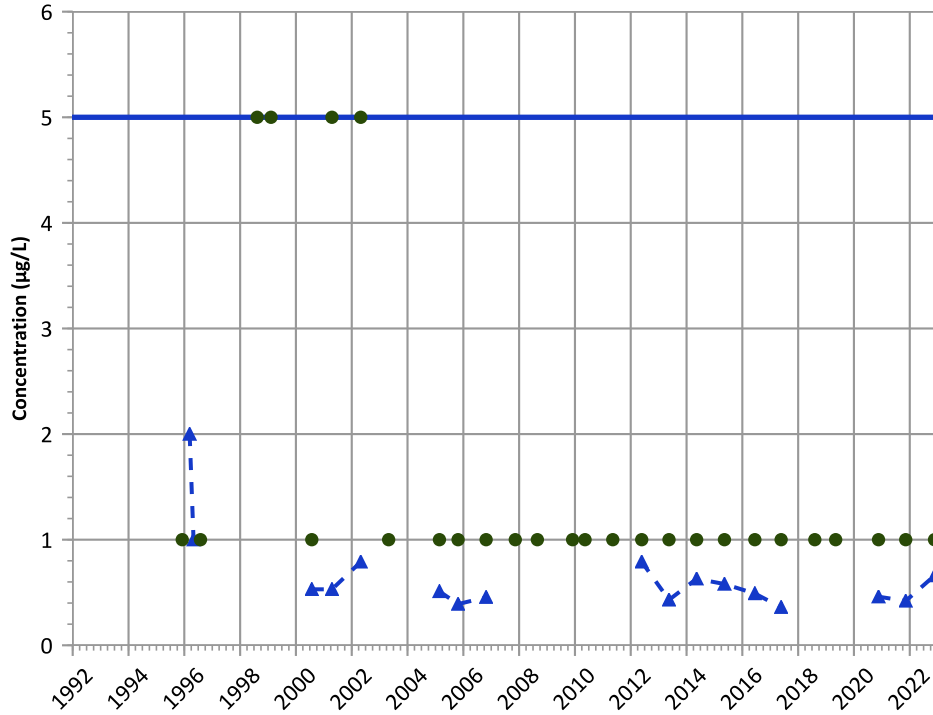
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

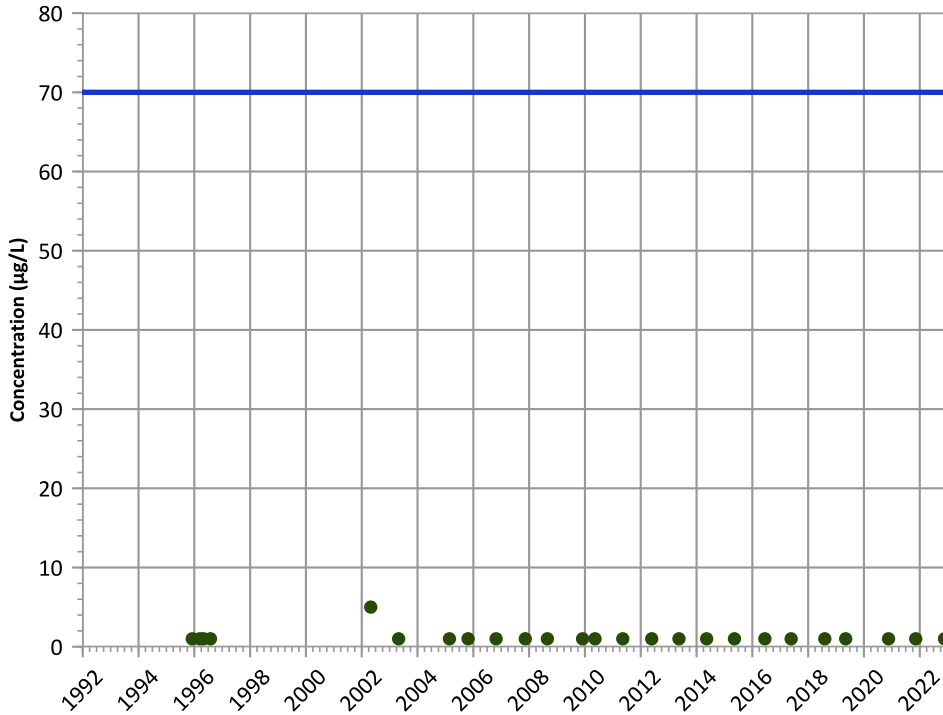


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

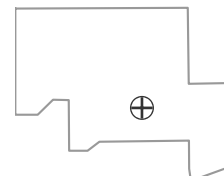
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

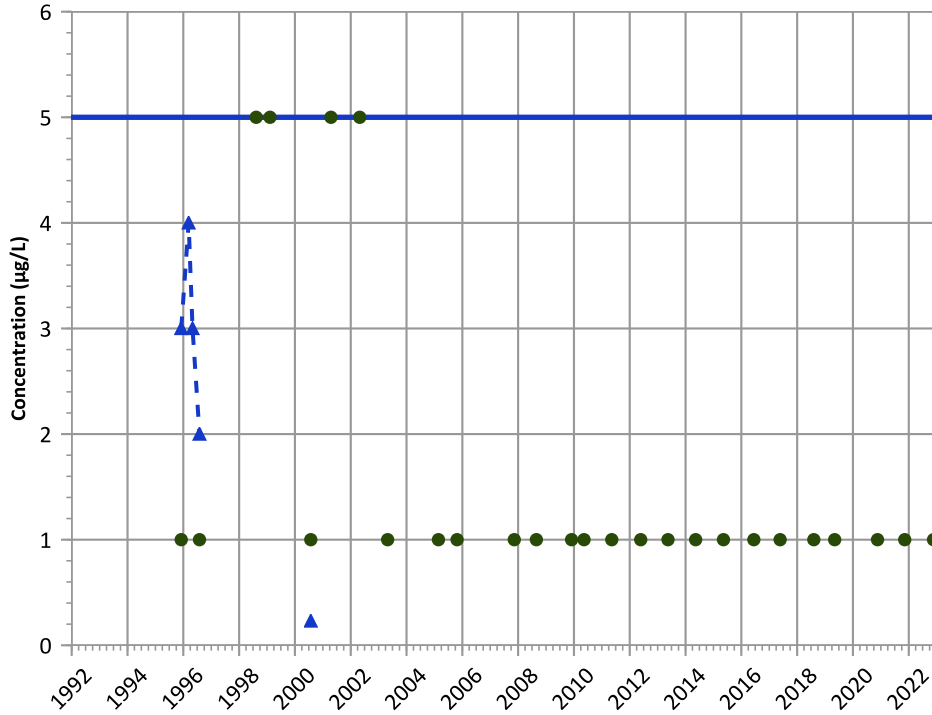
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

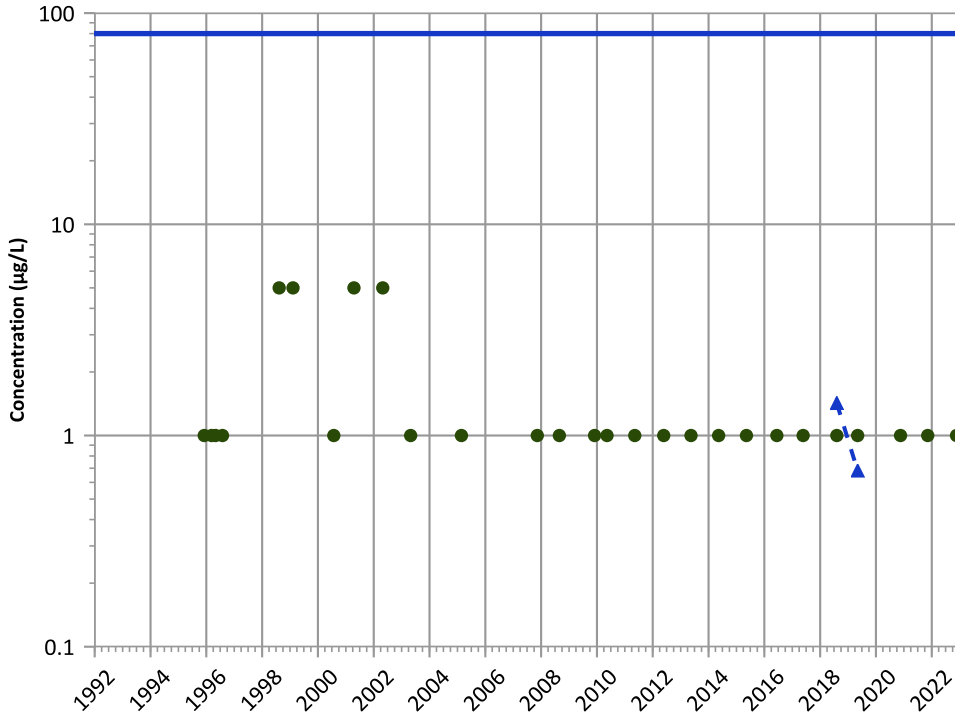
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

Probably Decreasing

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

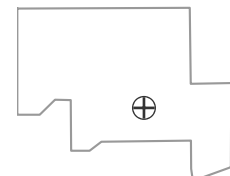
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**Well Location**

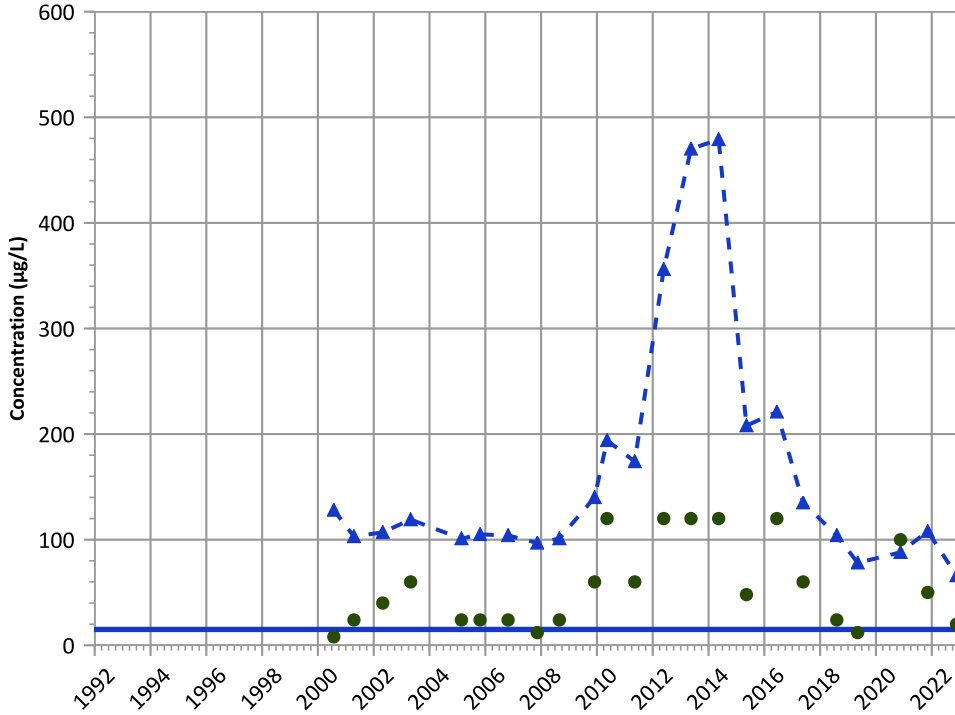


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

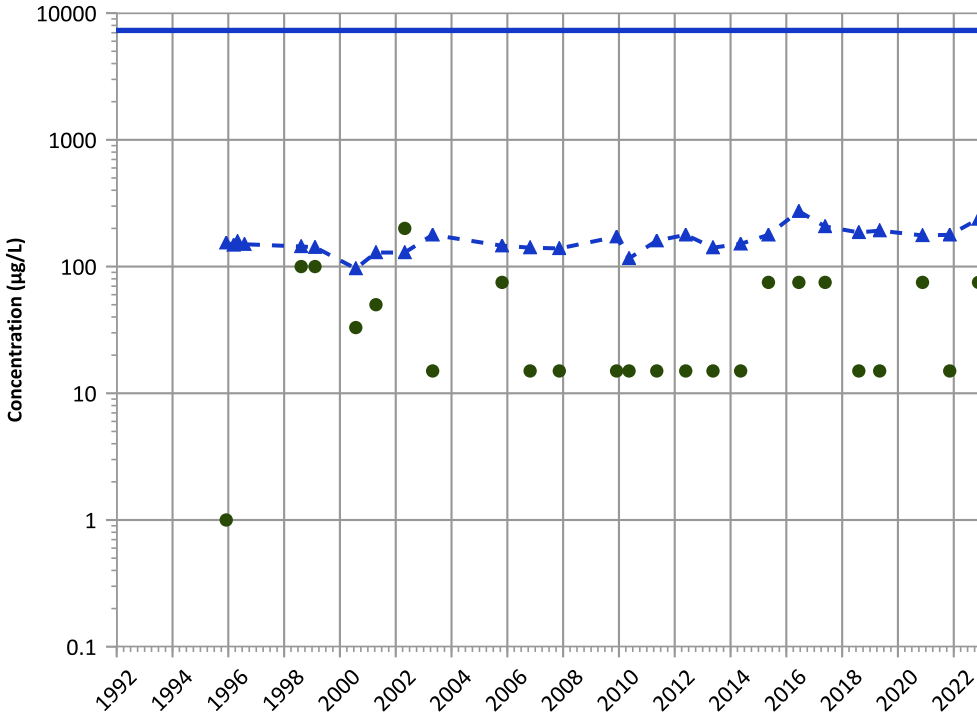
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

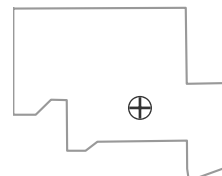
2020 - 2022 Data:

No Trend

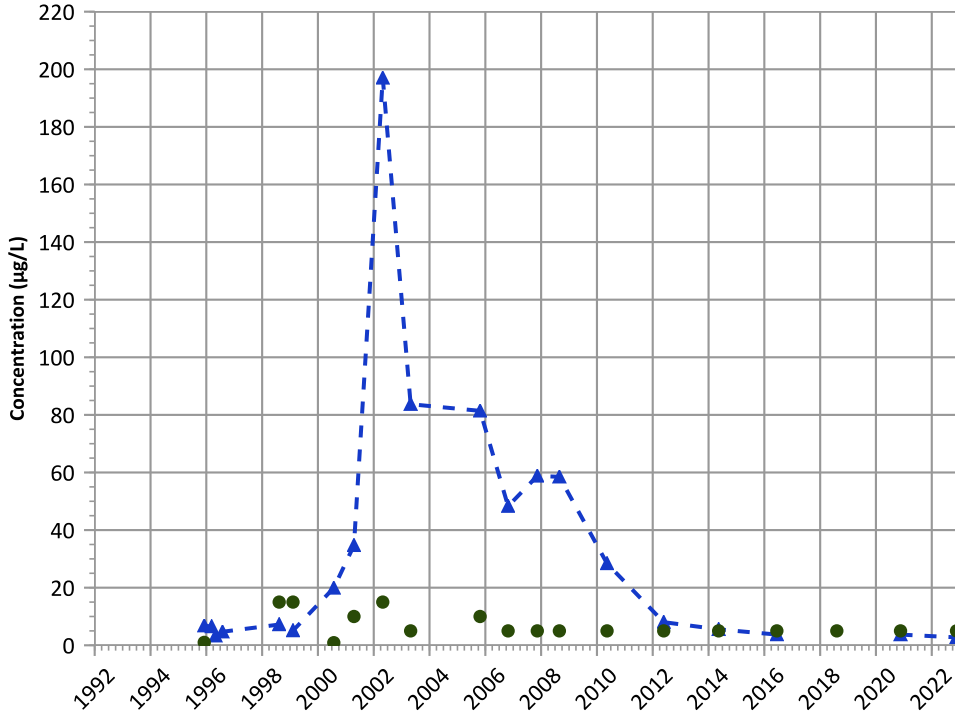
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend**

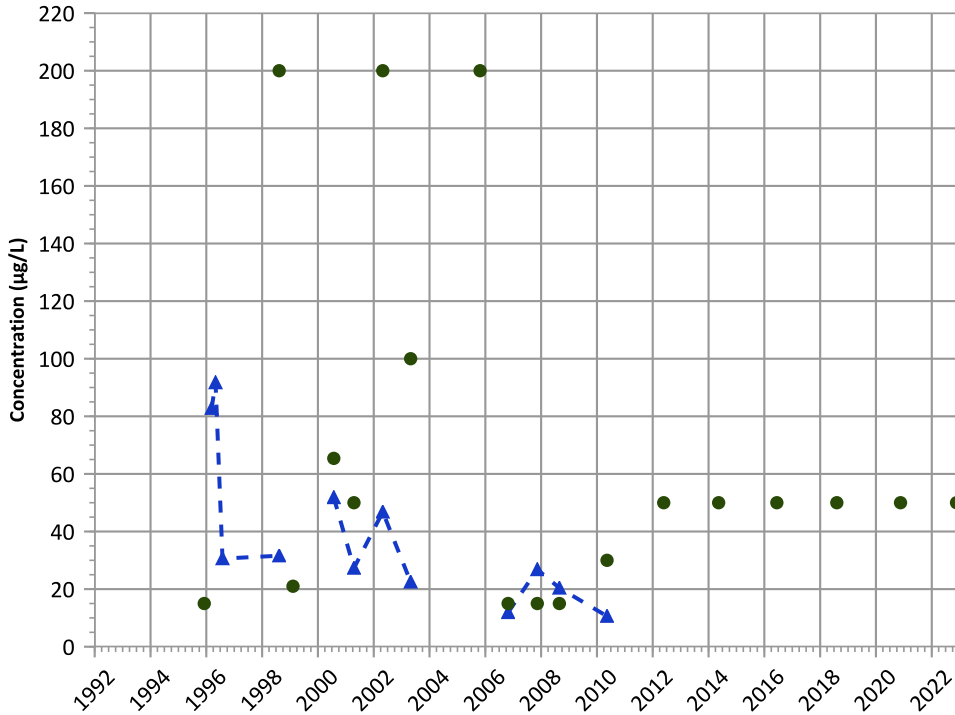


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Aluminum Trend**



**Concentration Trend**

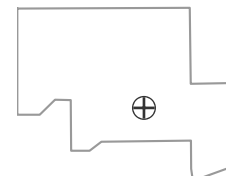
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

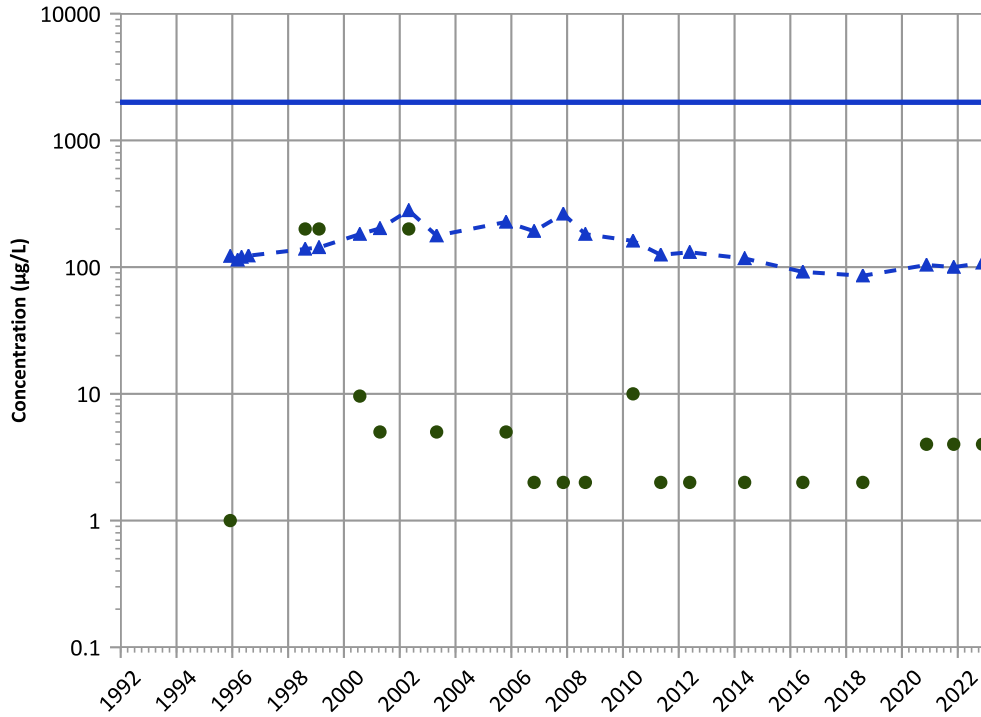
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

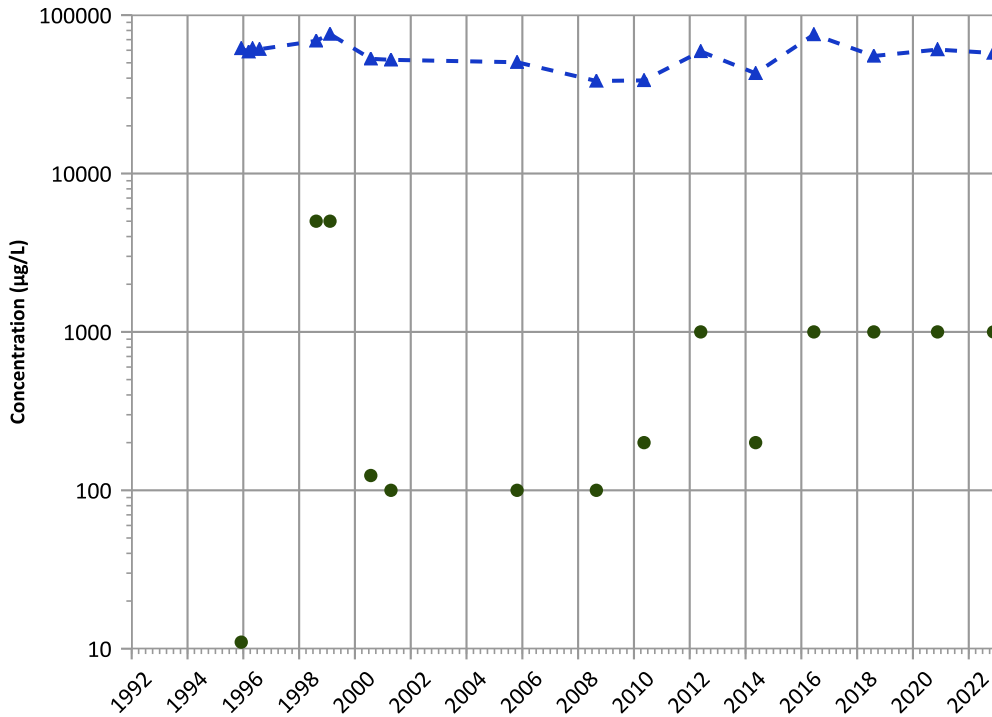


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Calcium Trend



Concentration Trend

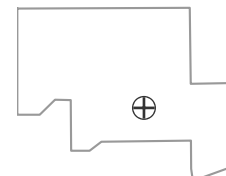
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

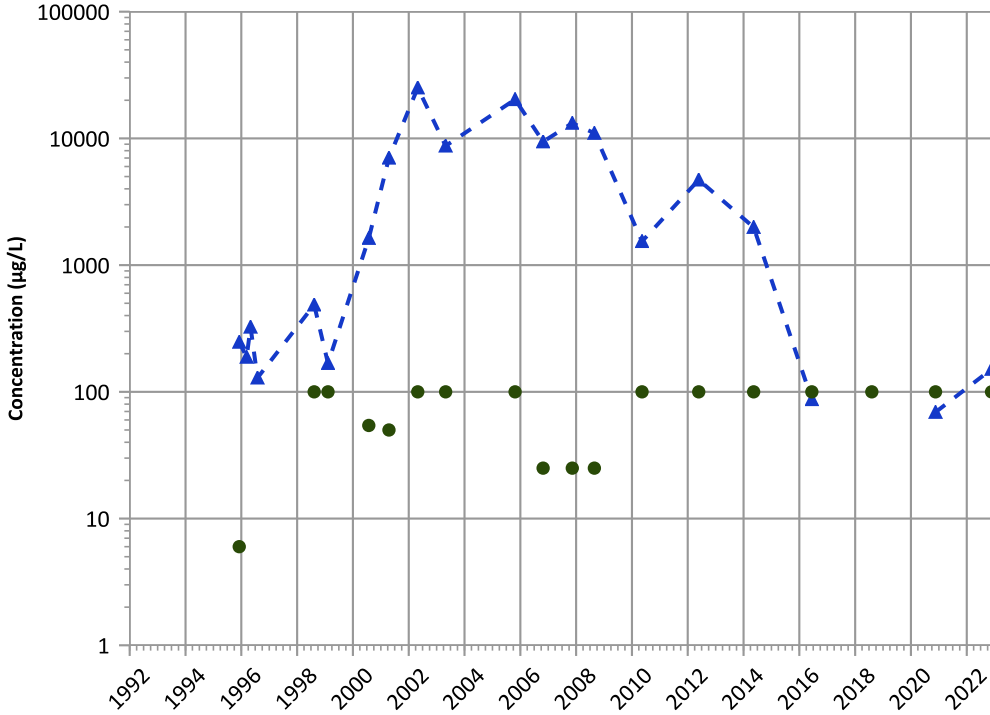
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

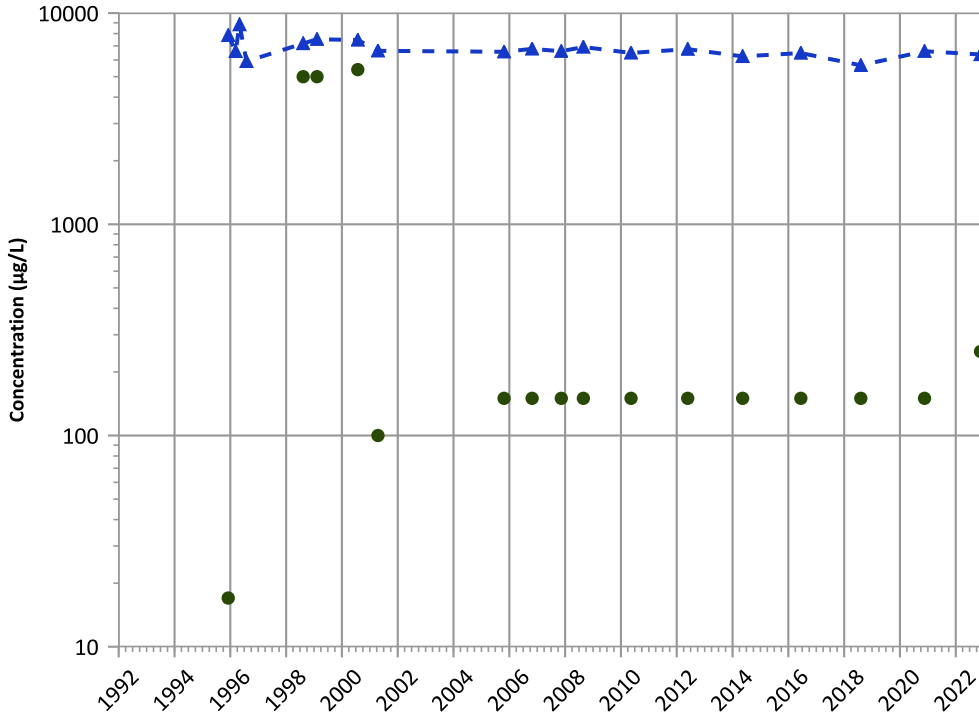


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Potassium Trend



Concentration Trend

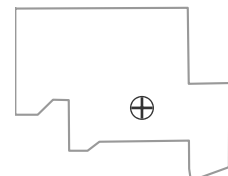
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

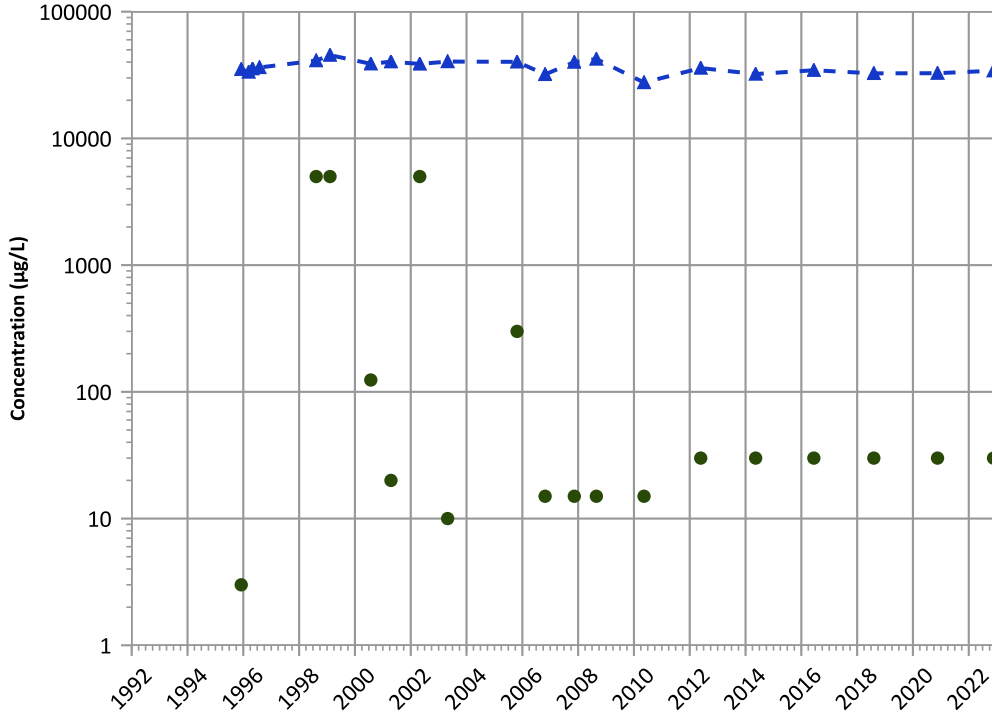
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

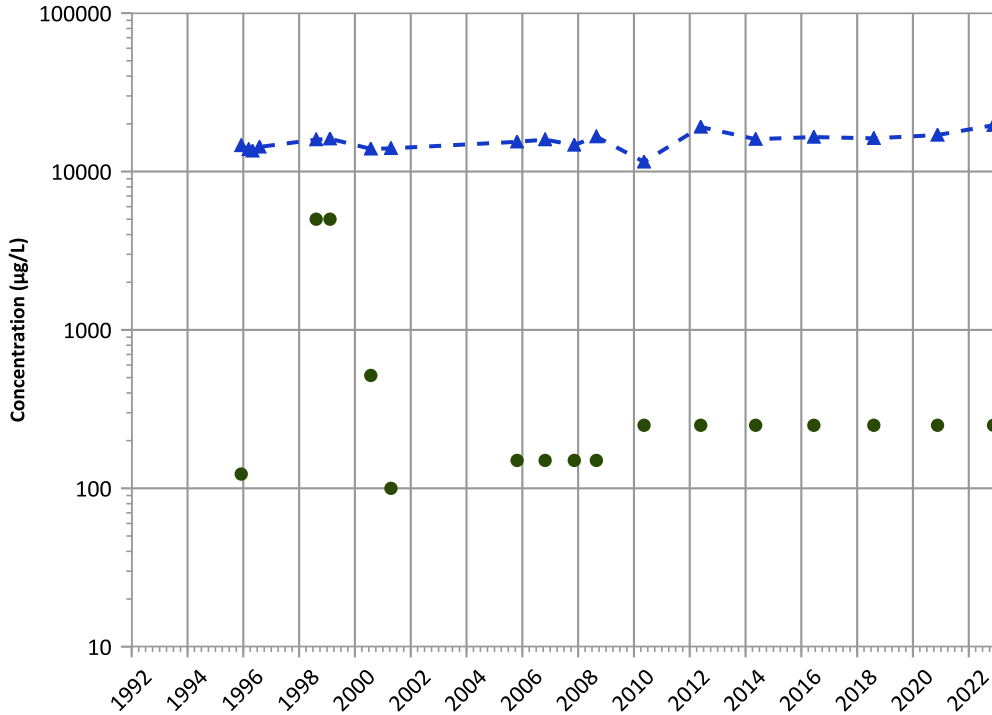
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Stable

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

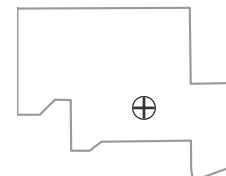
2020 - 2022 Data:

Probably Increasing

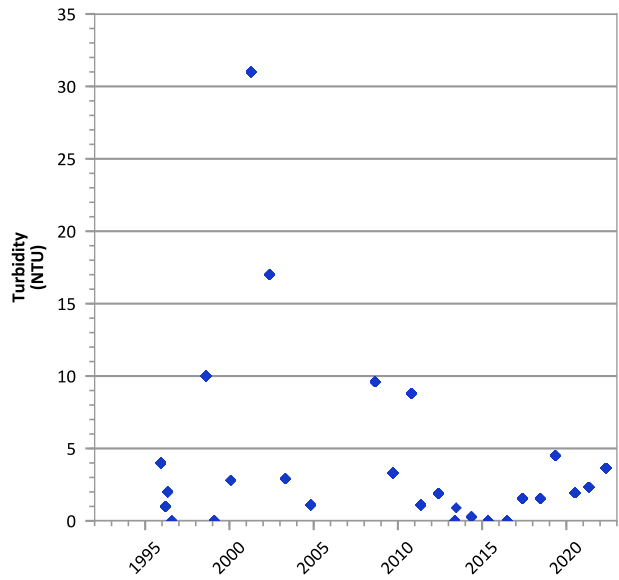
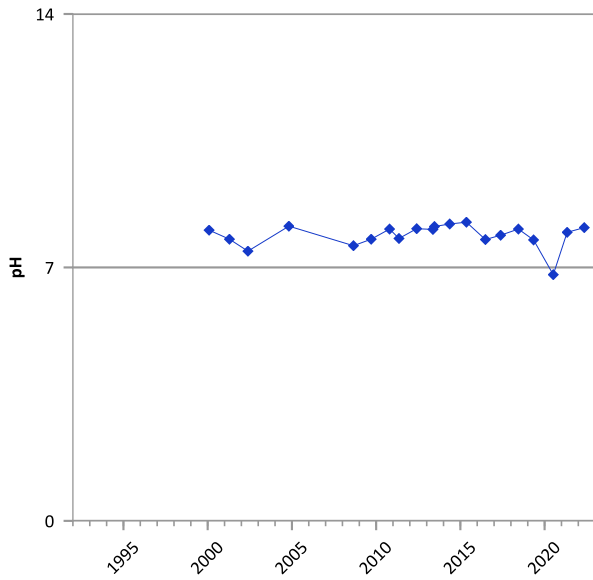
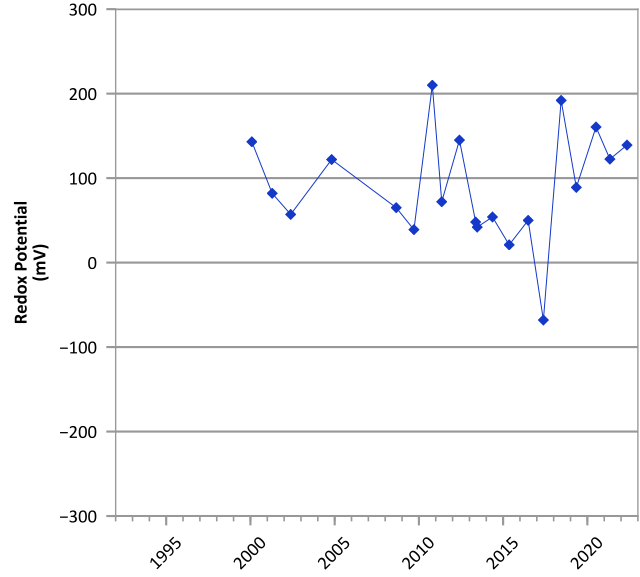
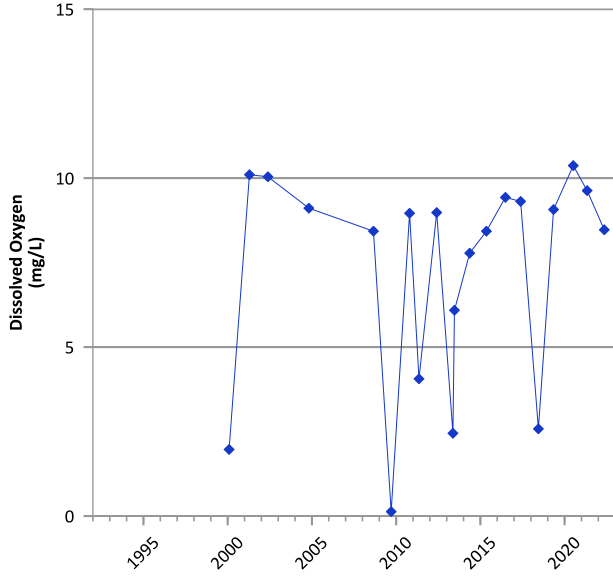
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/05/1995 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

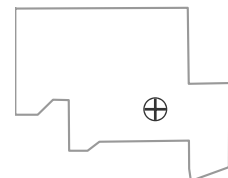


**PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



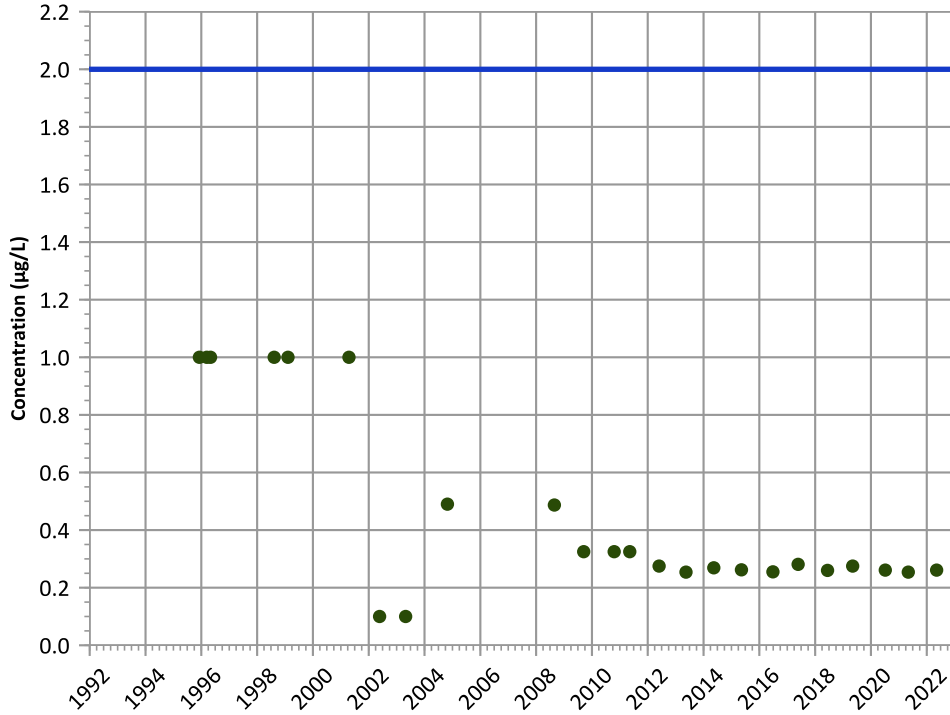
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/07/1995 to 05/10/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

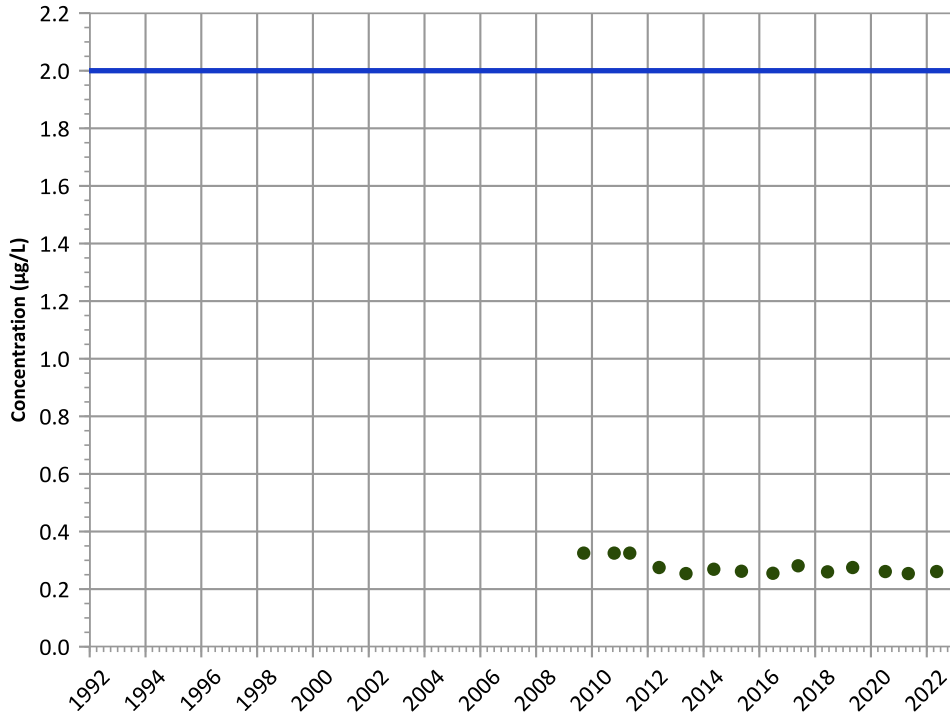
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

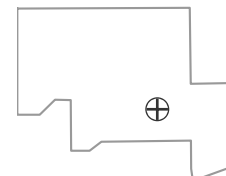
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

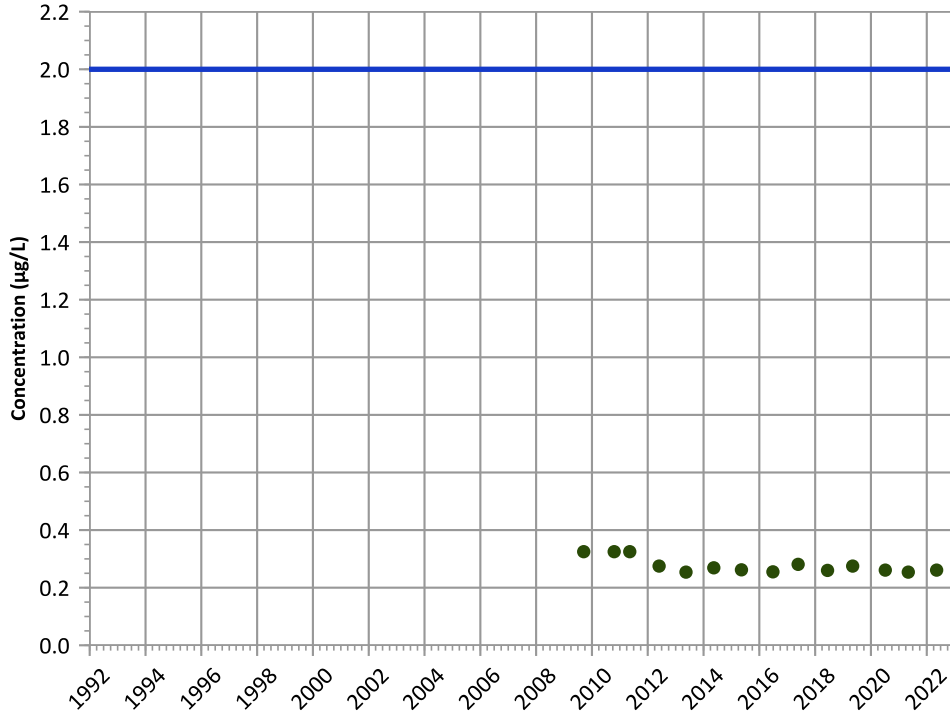
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

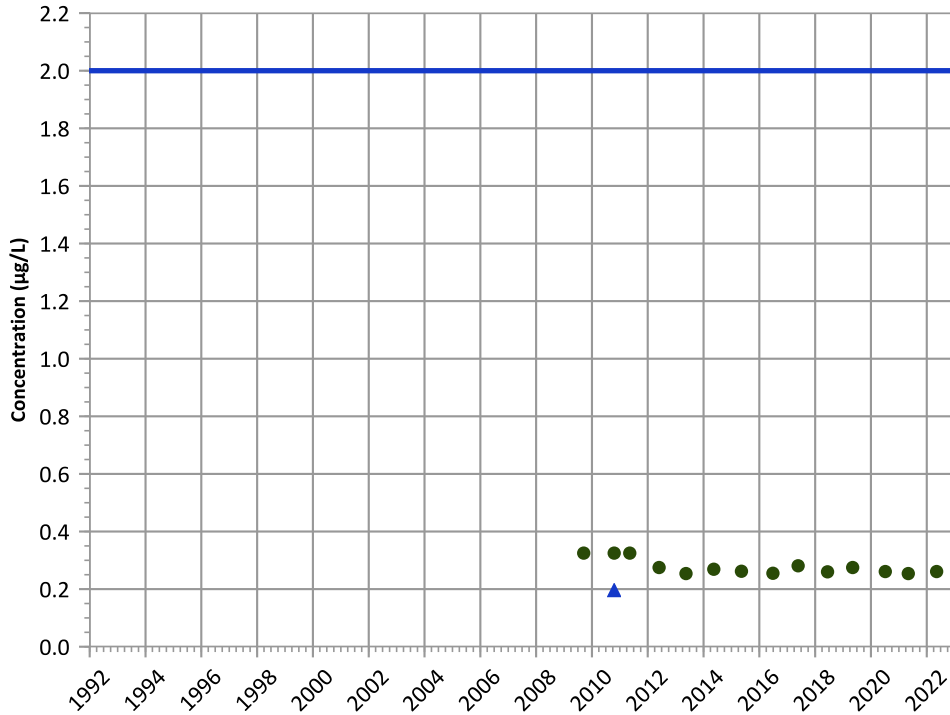


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

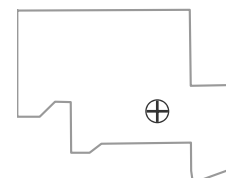


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

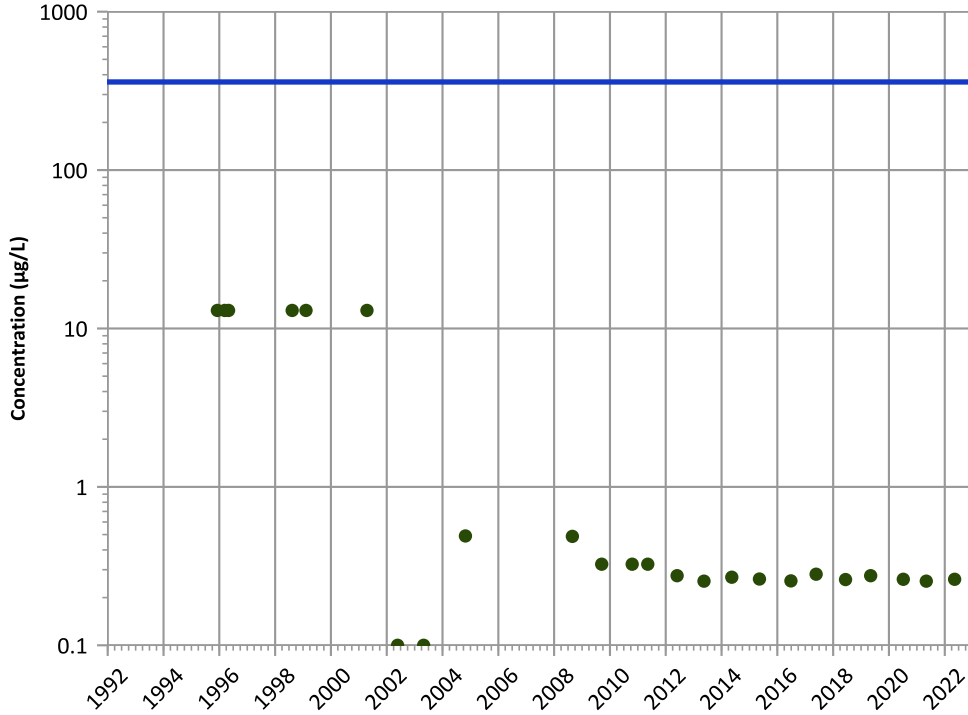


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

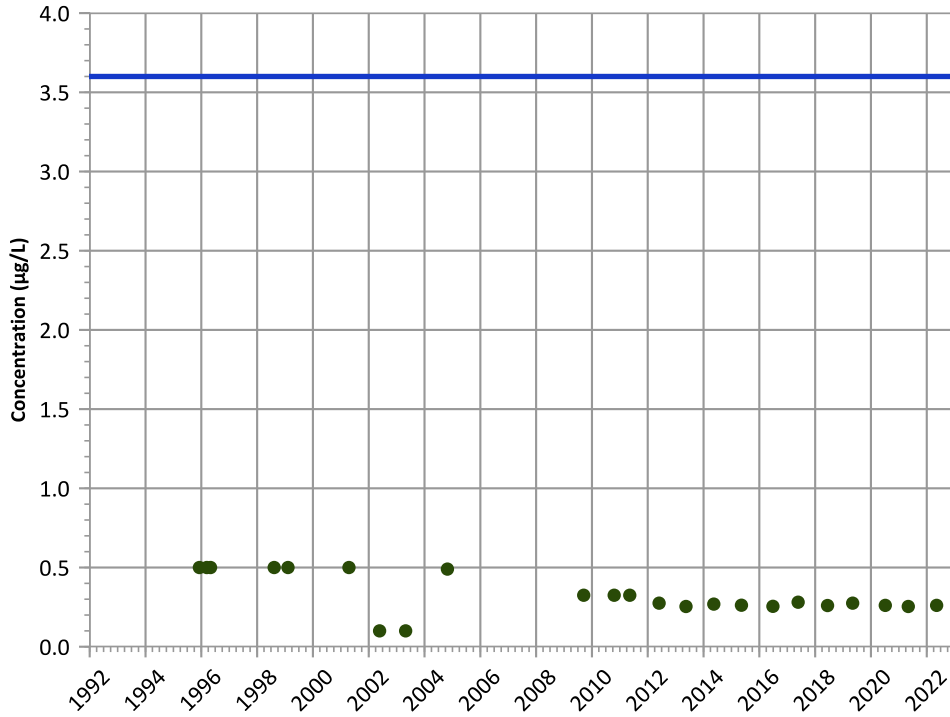
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

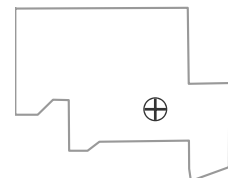
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

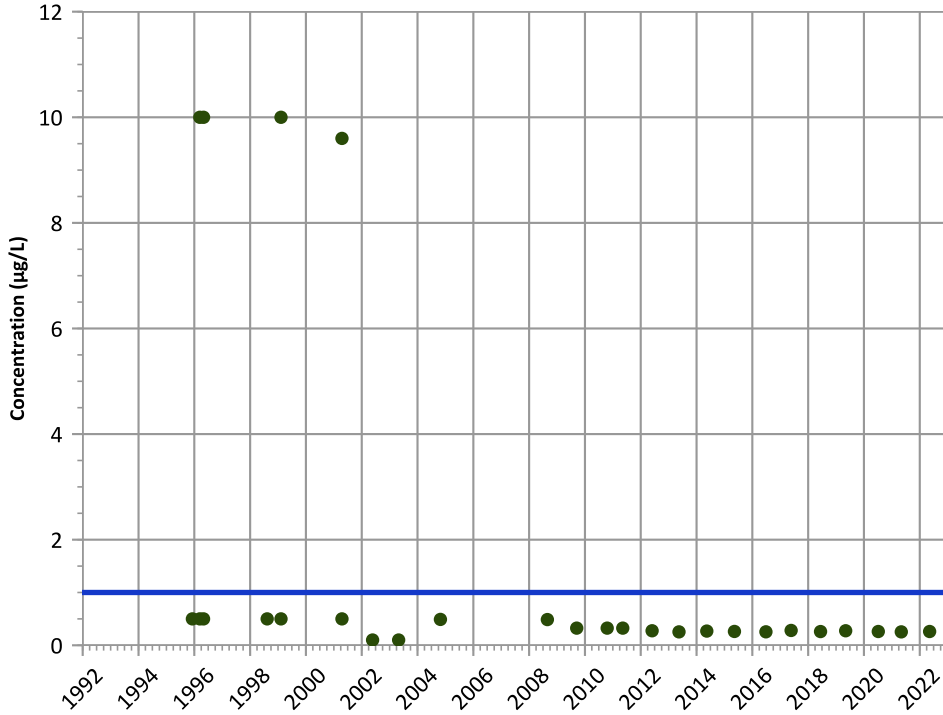
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

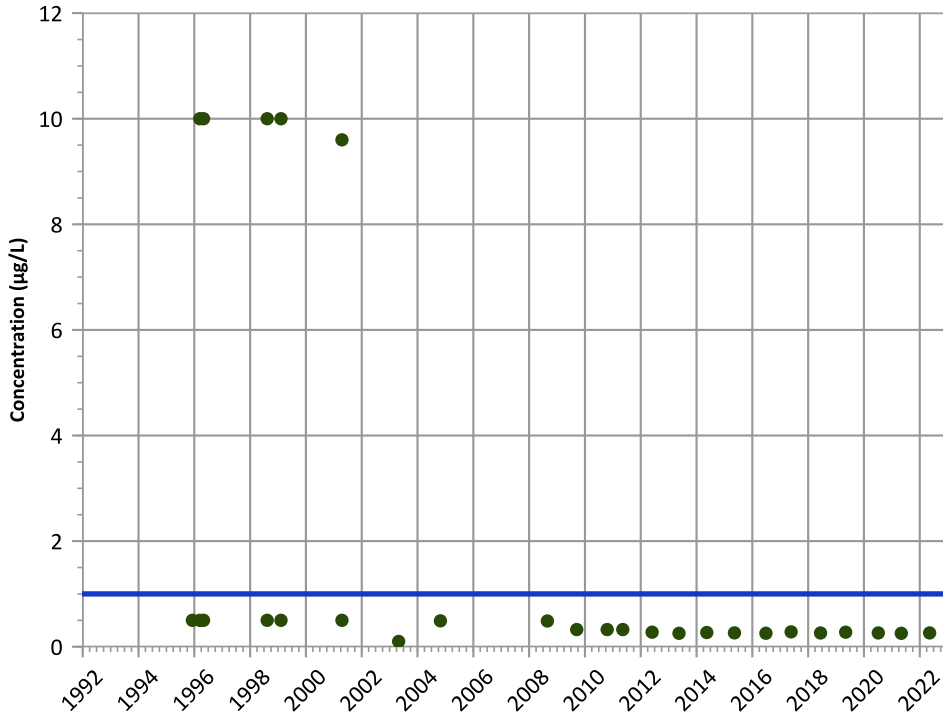
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

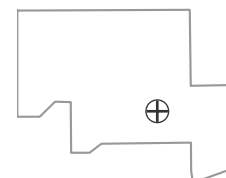
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

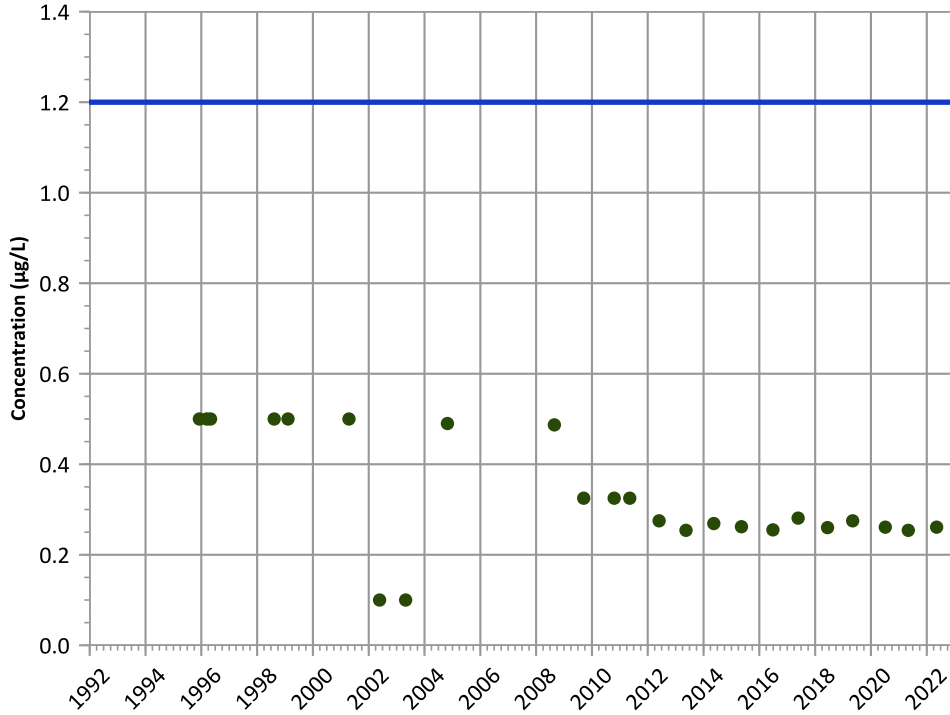
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

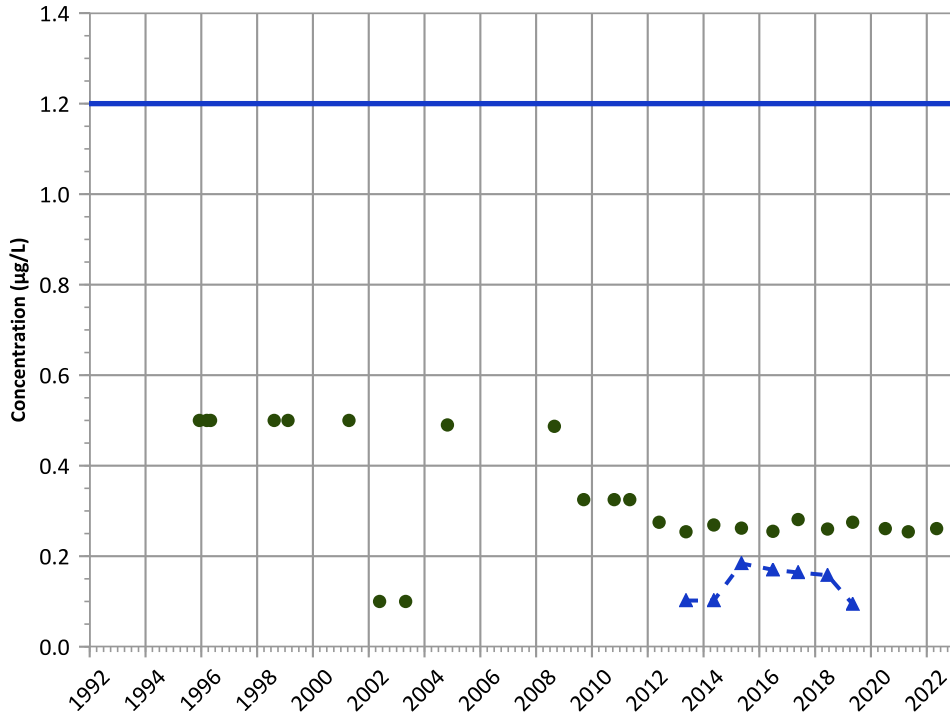
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

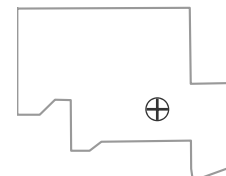
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

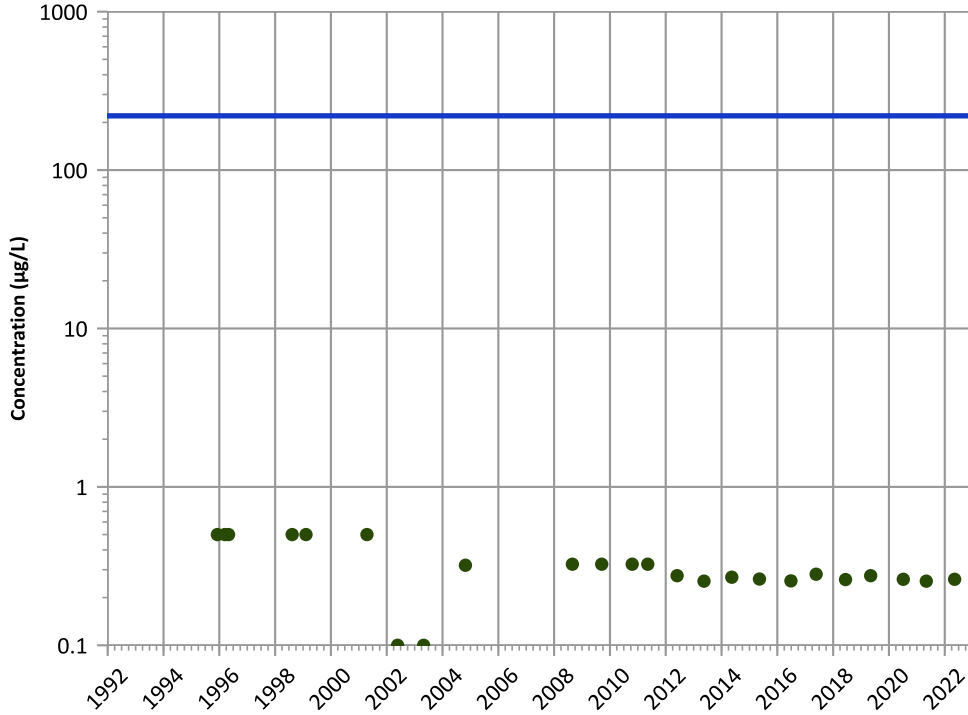
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

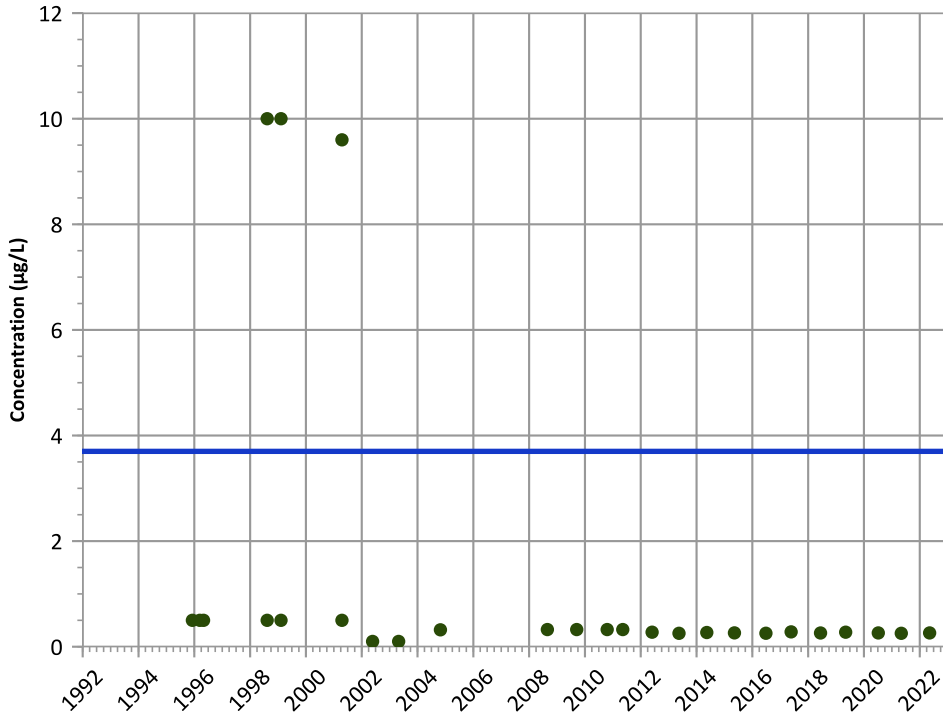
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

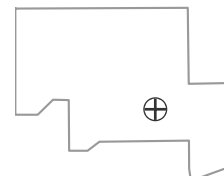
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

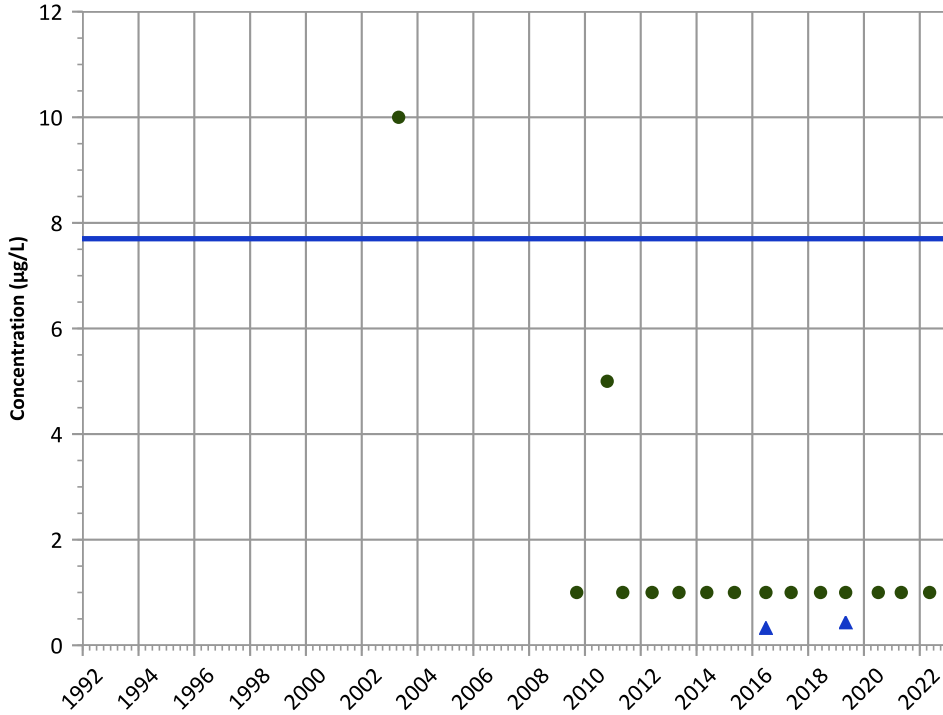
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

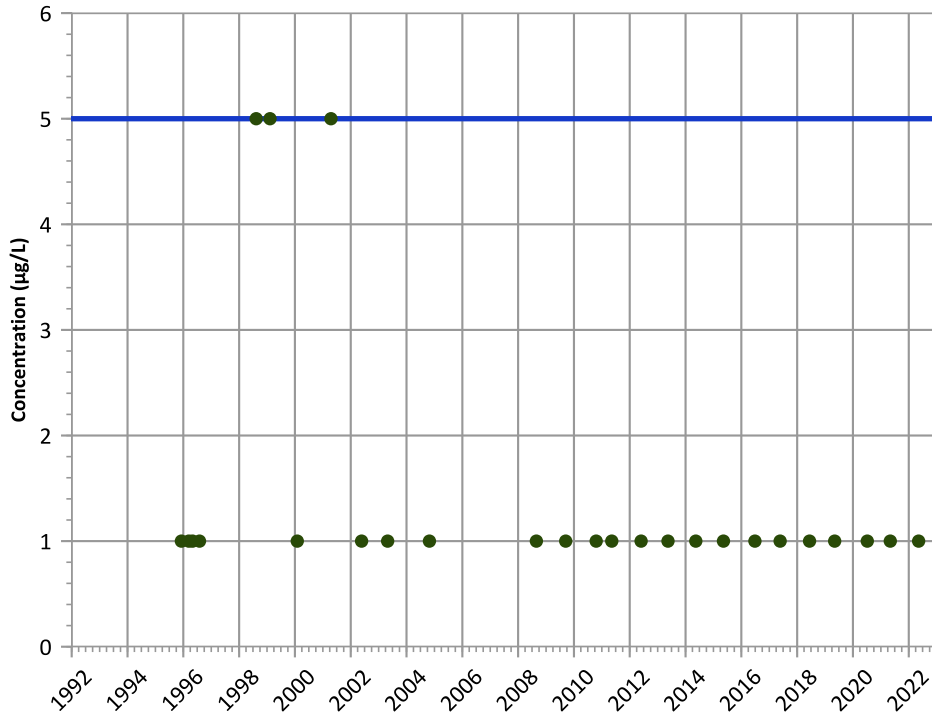


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

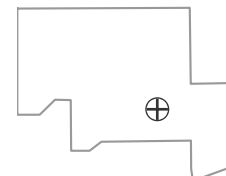
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

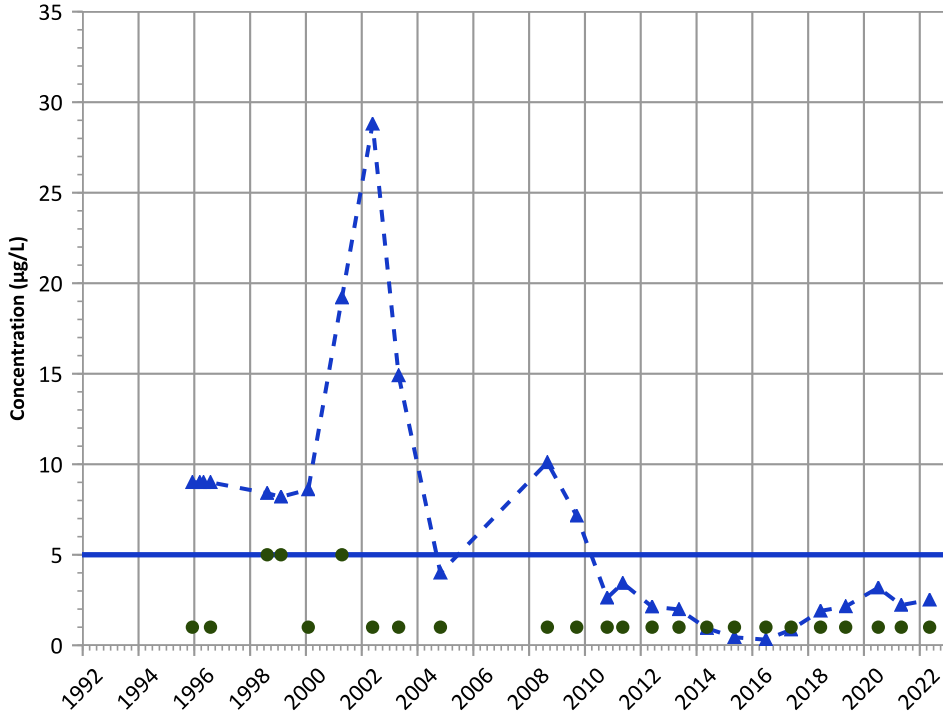
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

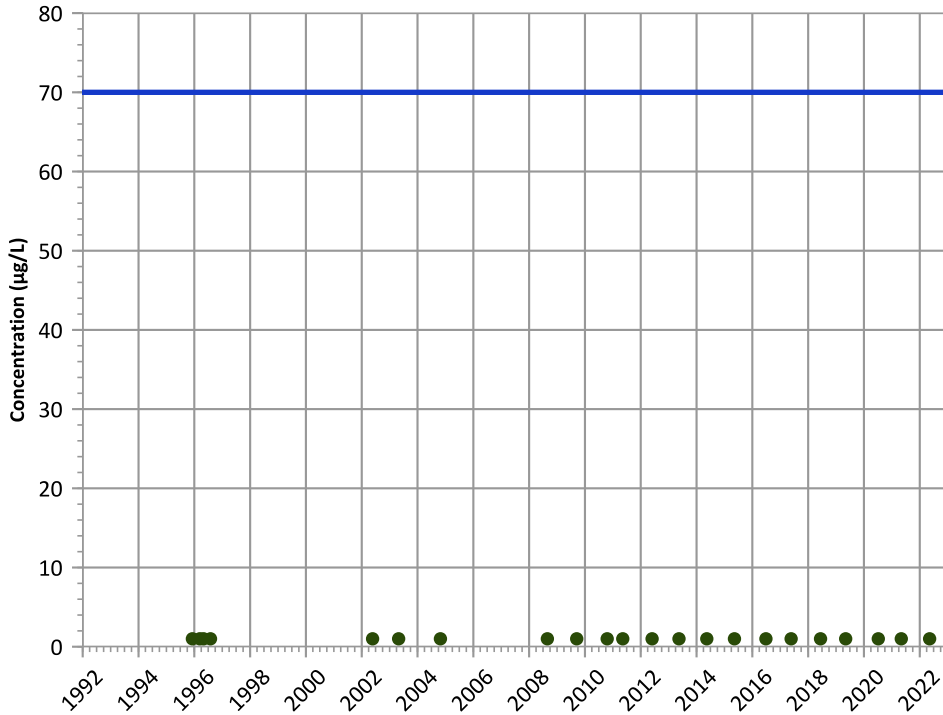


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

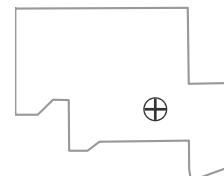
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

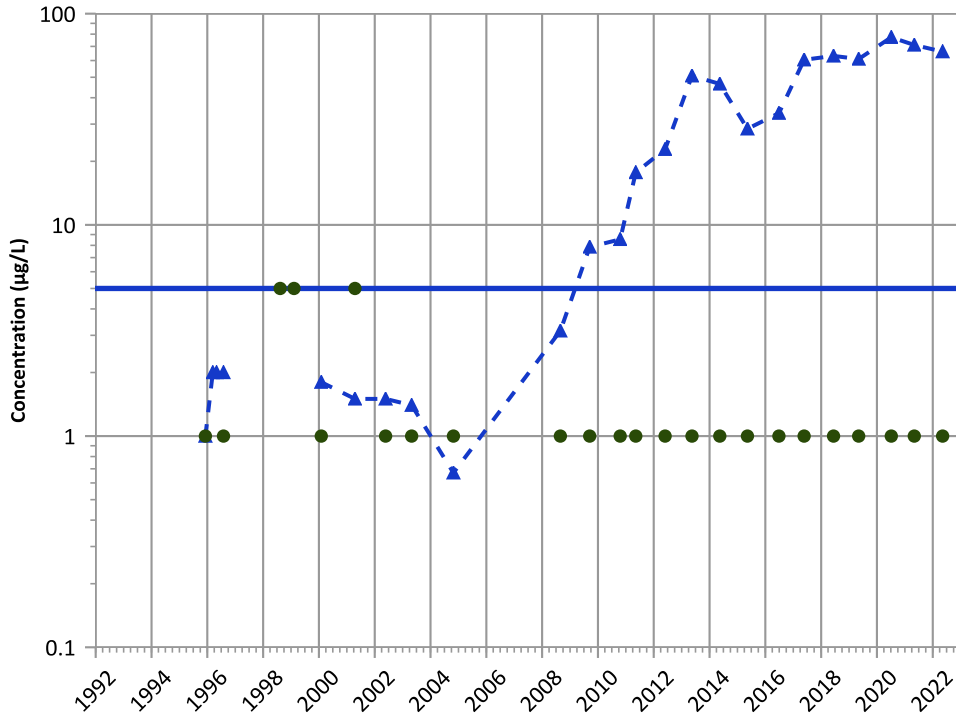
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

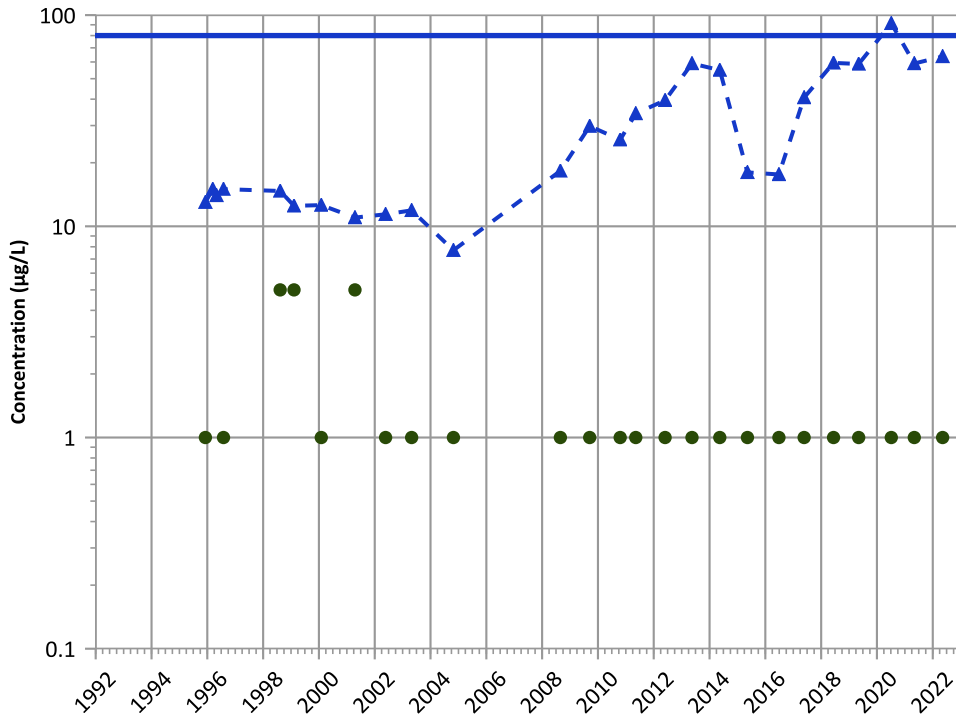


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**Chloroform Trend**



**Concentration Trend**

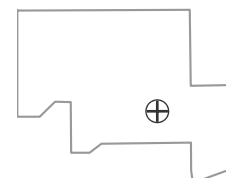
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

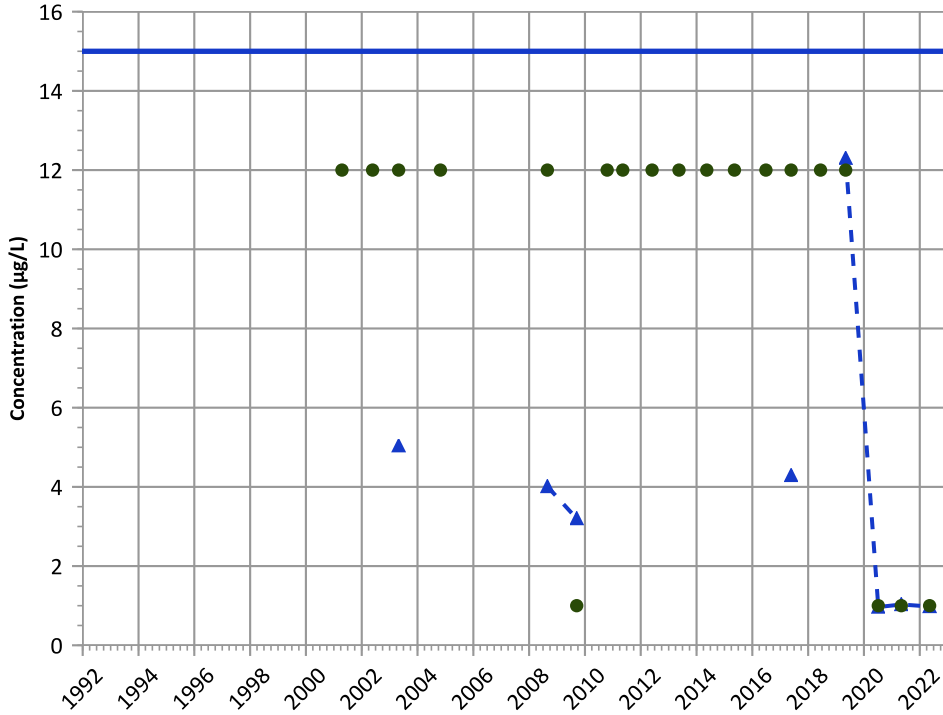
**Well Location**





PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

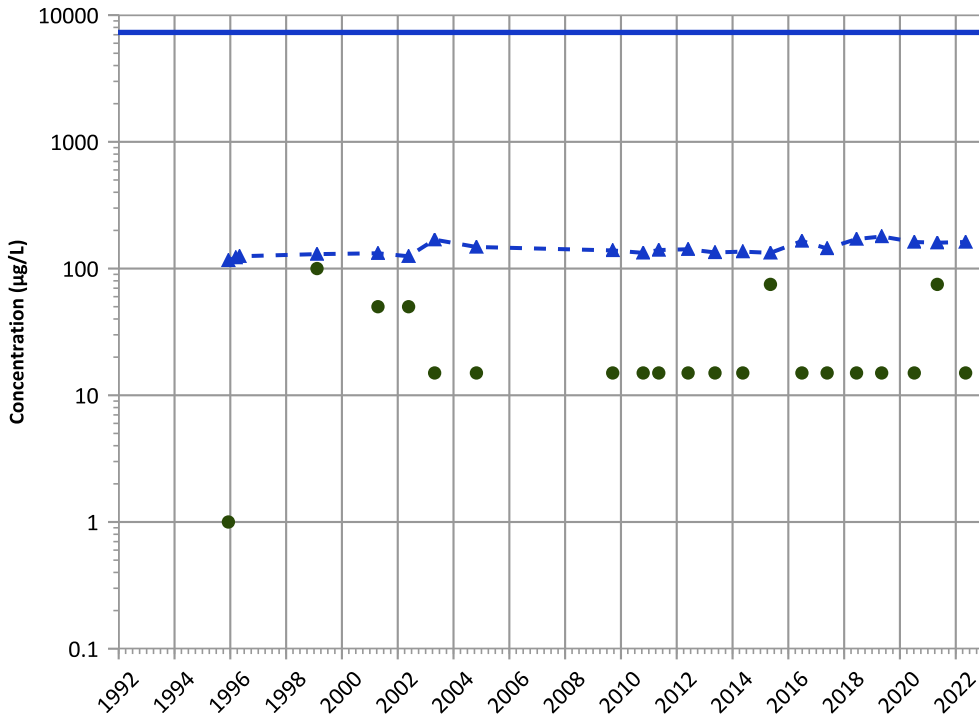


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

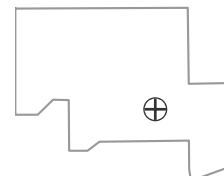
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

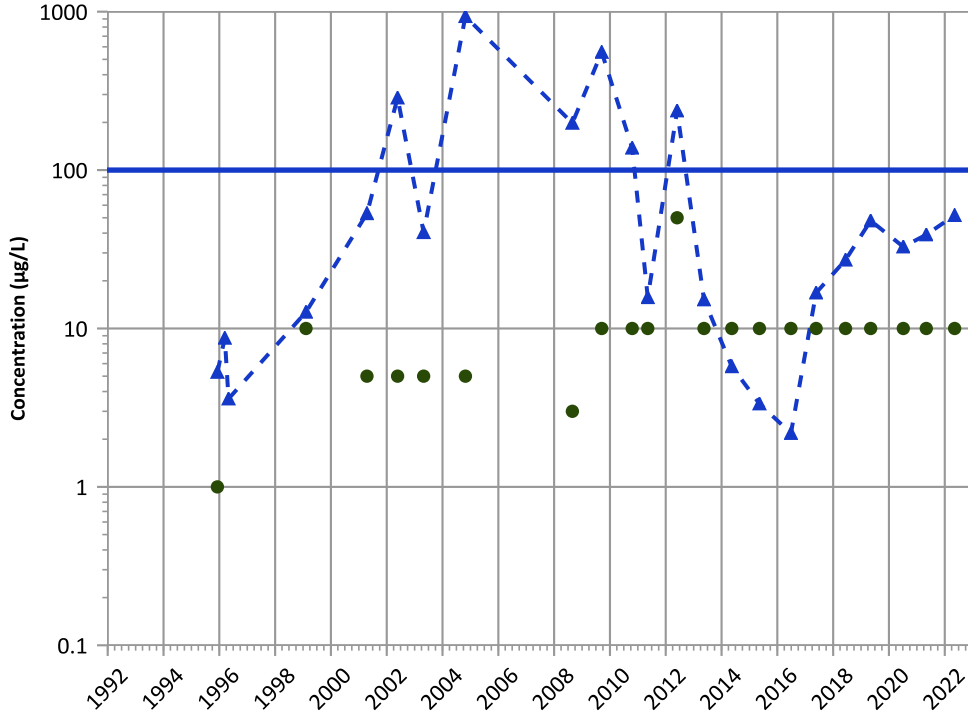
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

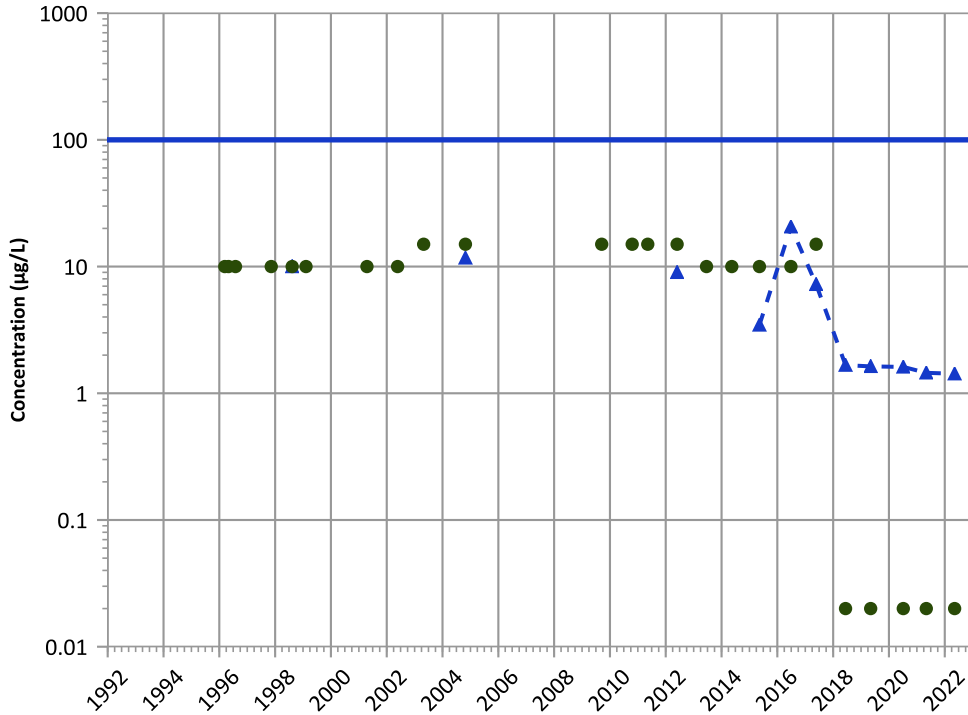
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

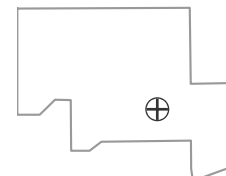
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

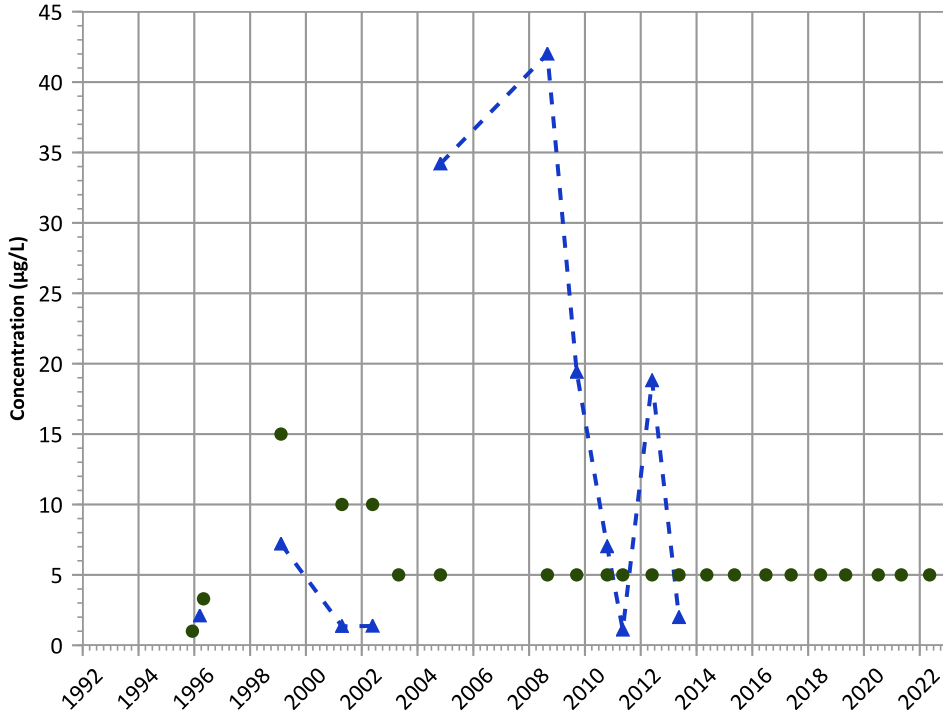
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

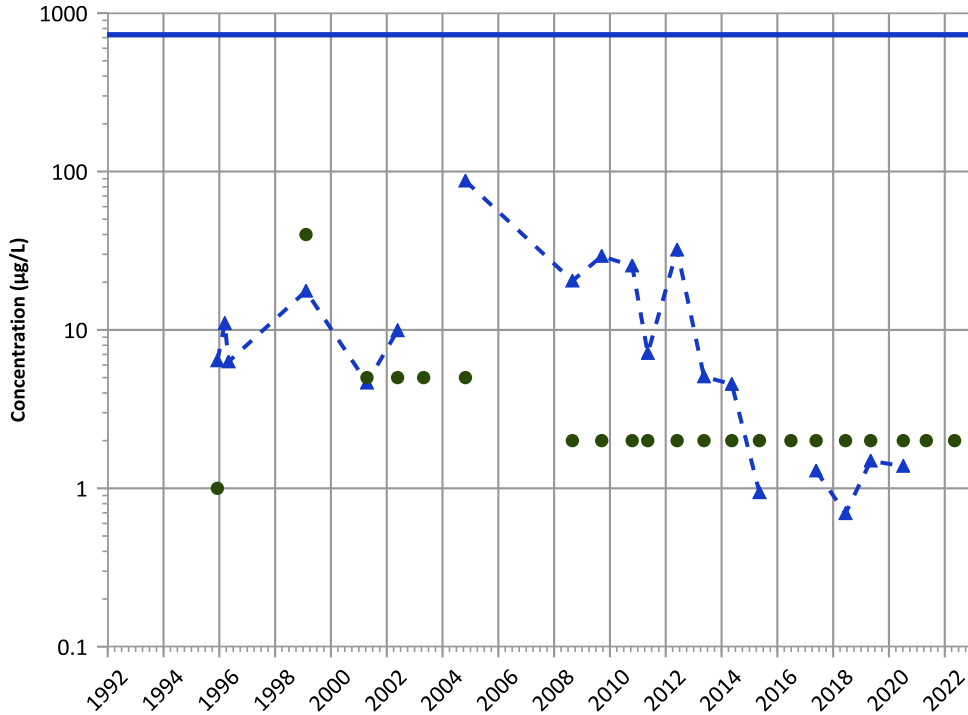


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Nickel Trend



Concentration Trend

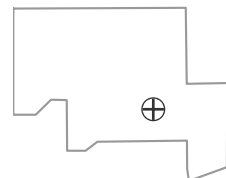
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

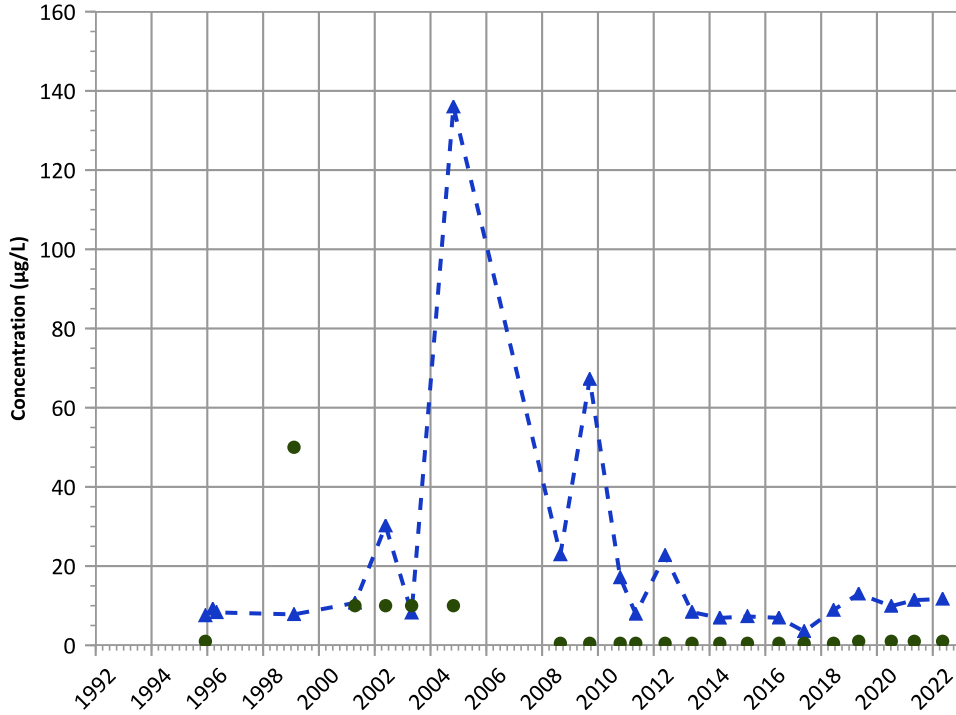
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

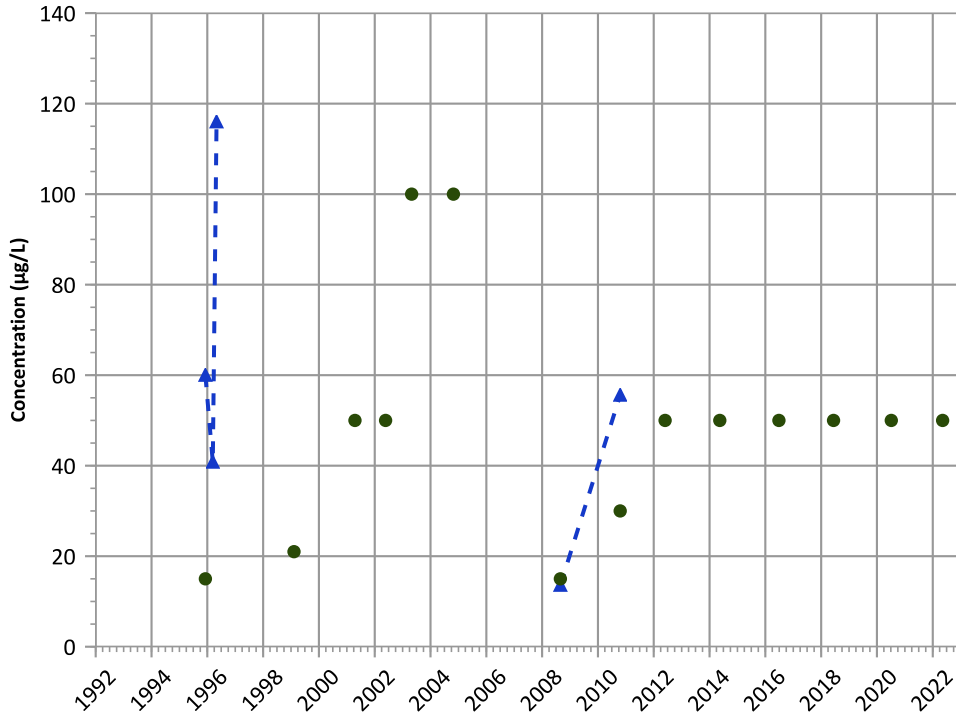


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

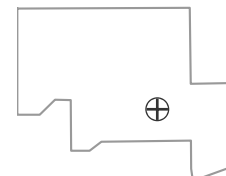
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

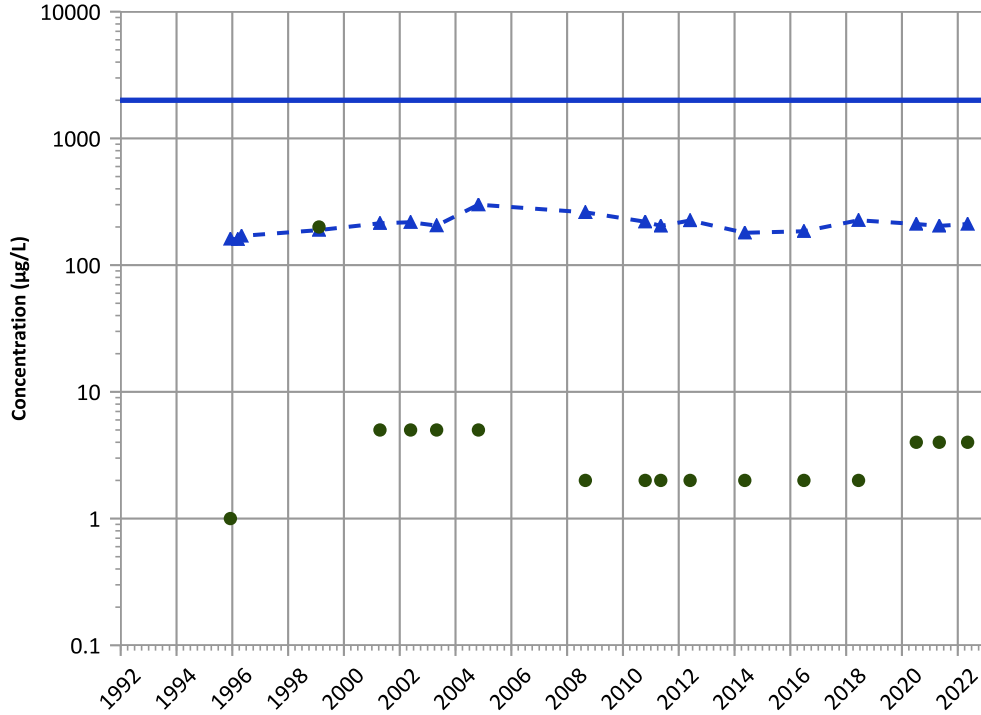
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

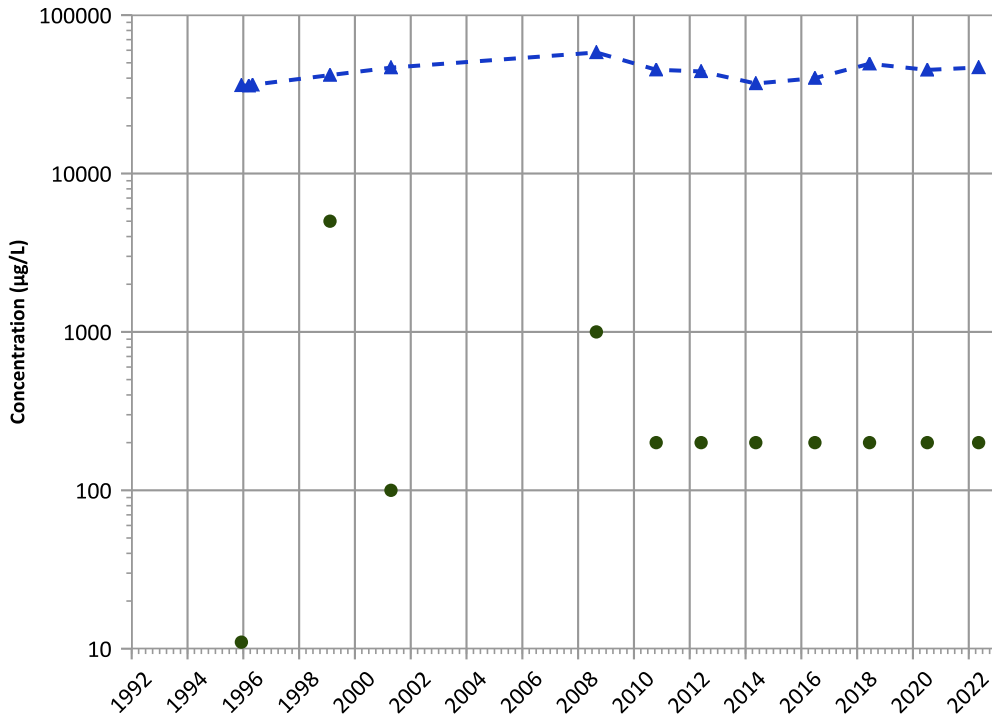


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Calcium Trend



Concentration Trend

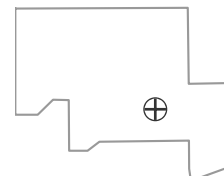
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

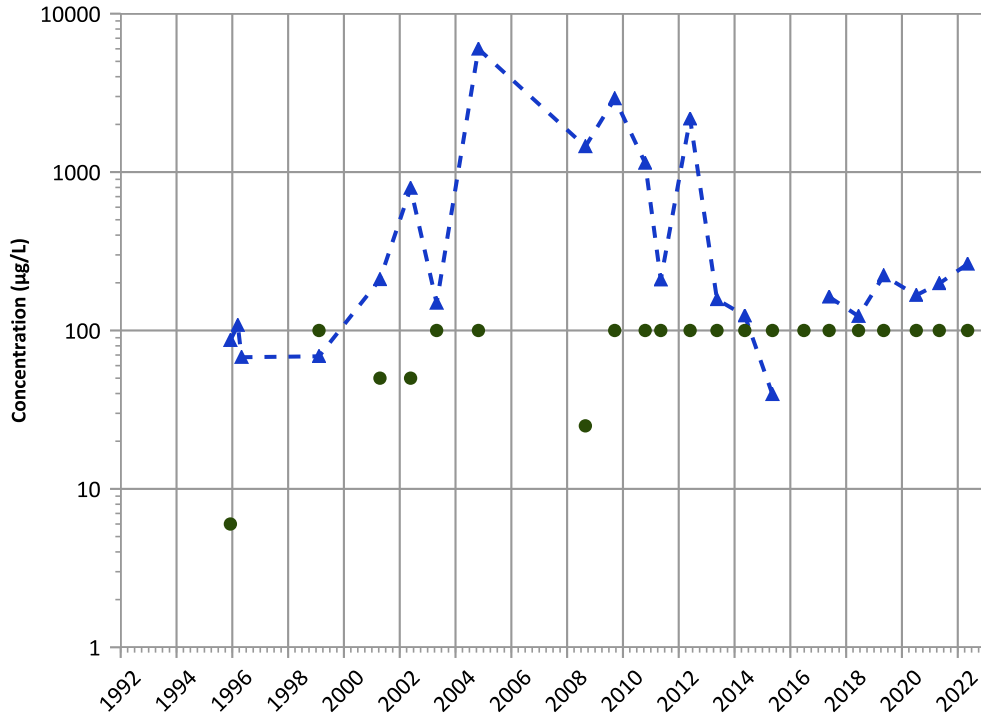
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

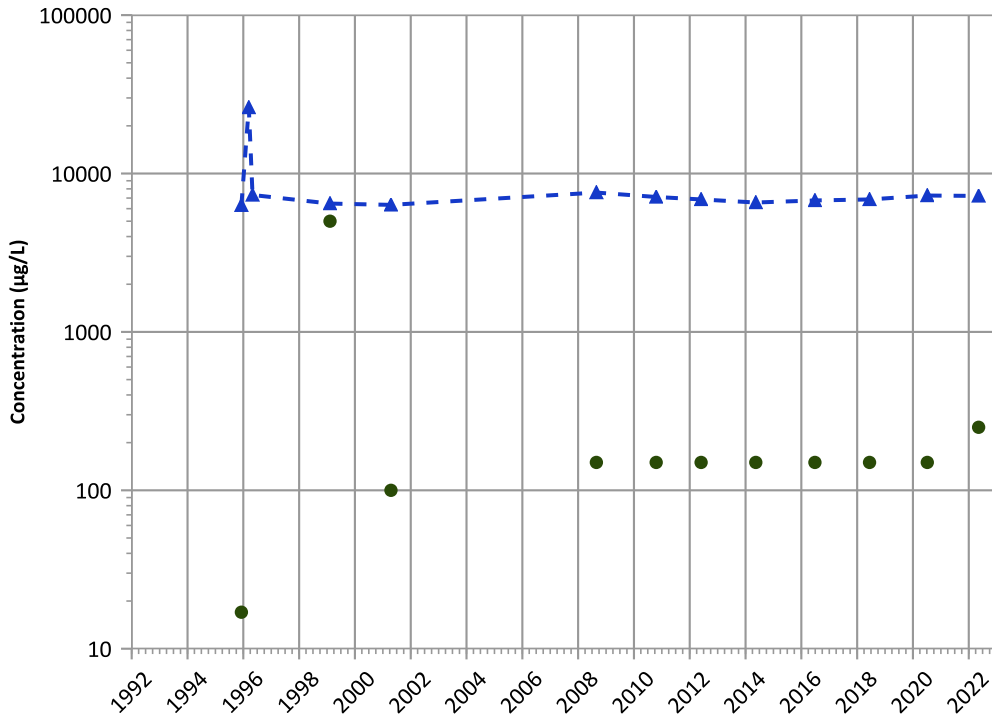
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

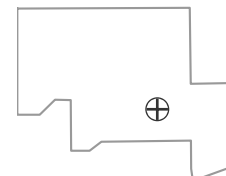
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

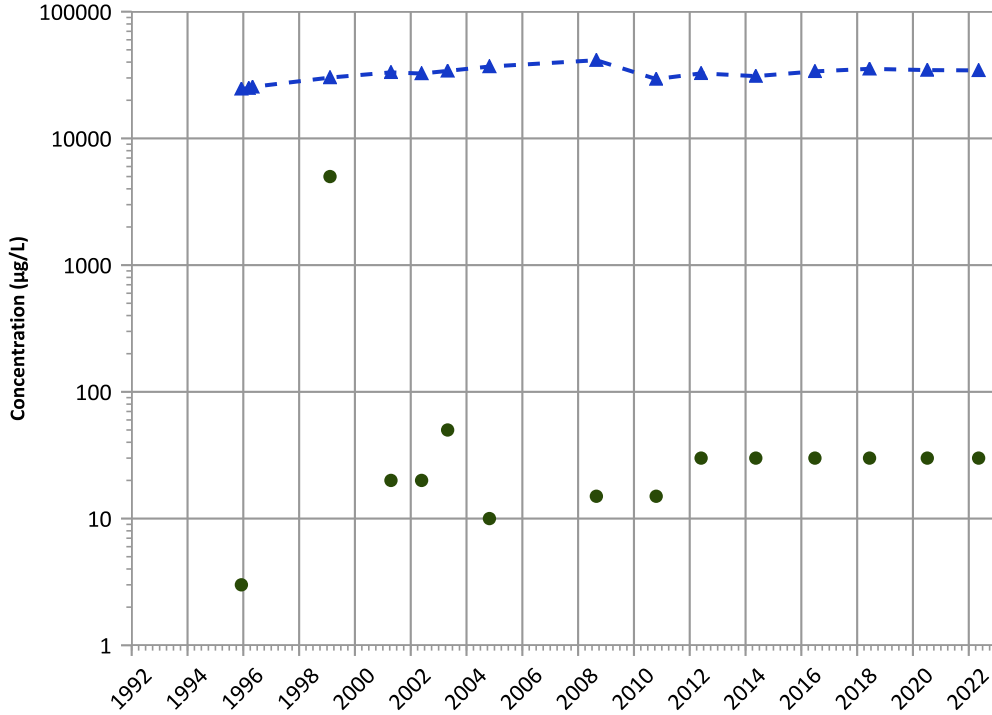
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

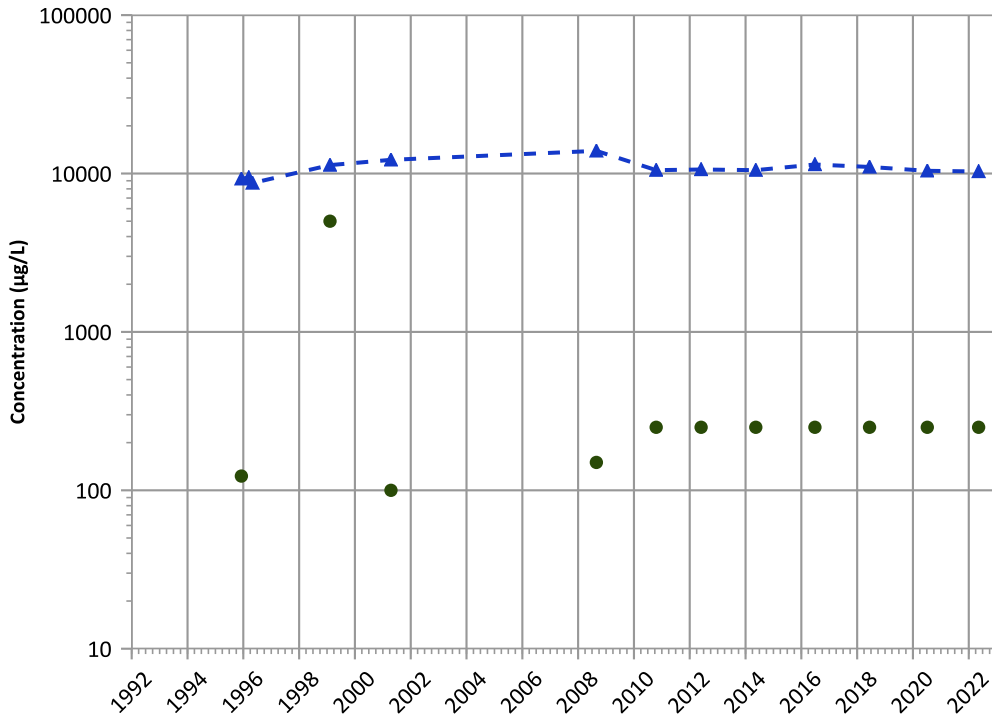
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

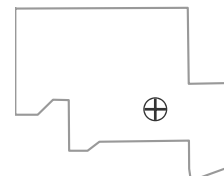
2020 - 2022 Data:

Stable

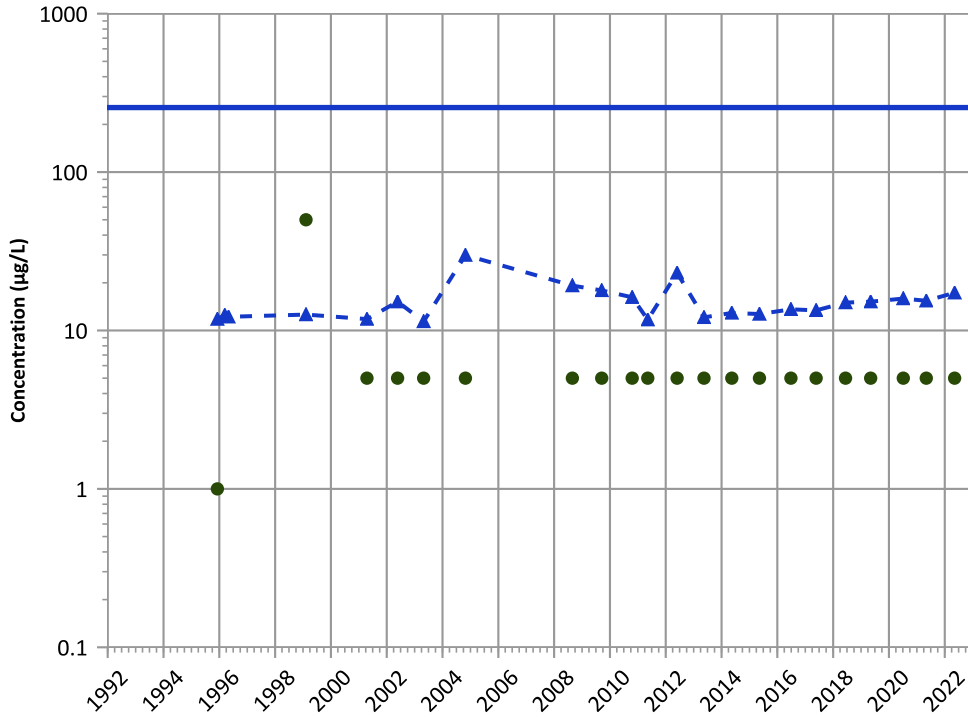
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/07/1995 to 05/10/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

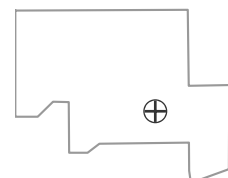
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/07/1995 to 05/10/2022  
 Analysis Date: 04/27/2023

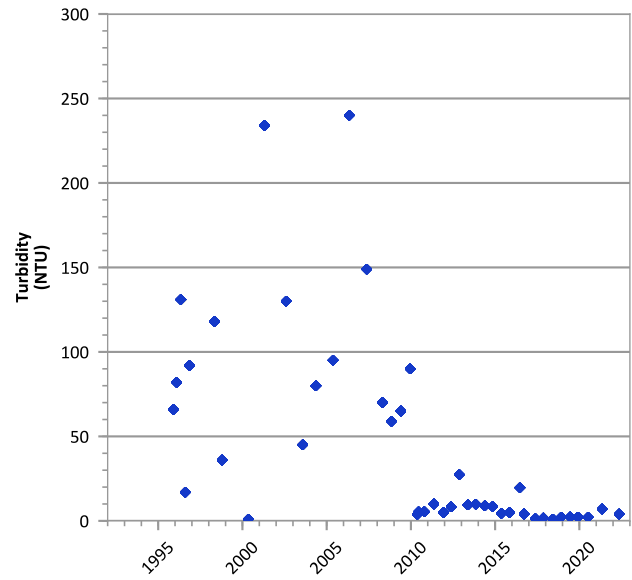
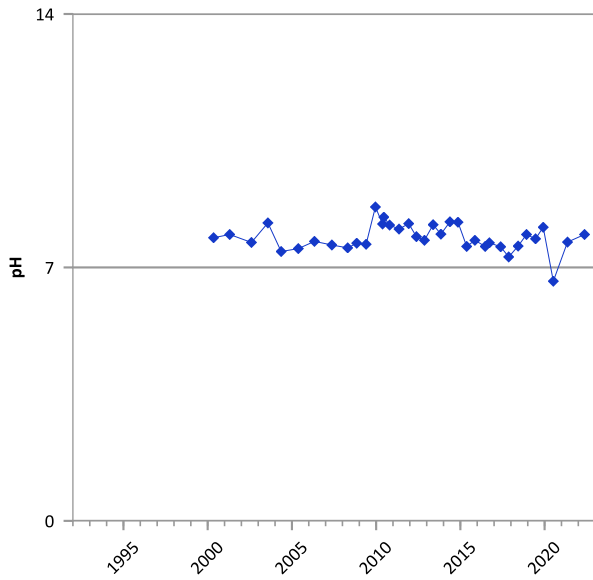
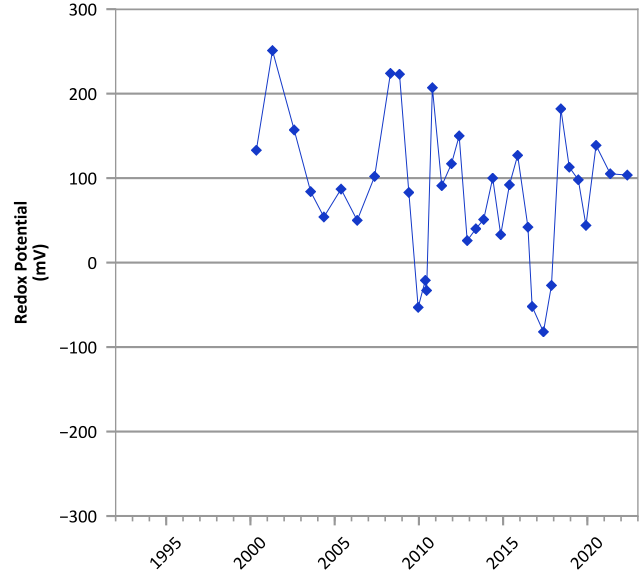
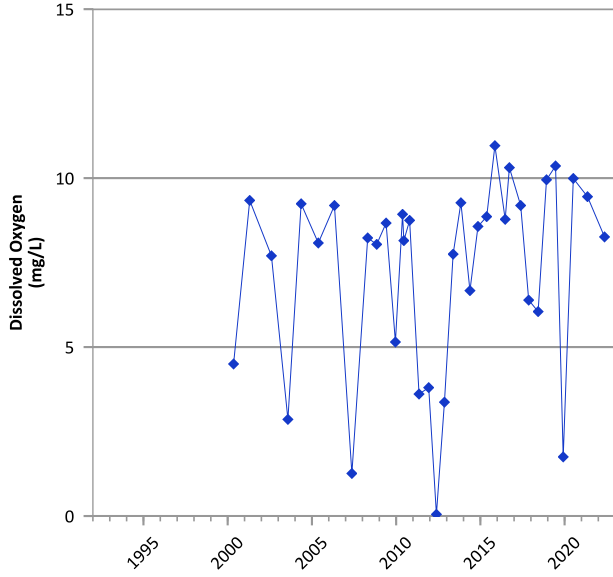
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



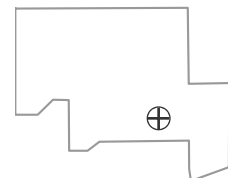


**PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



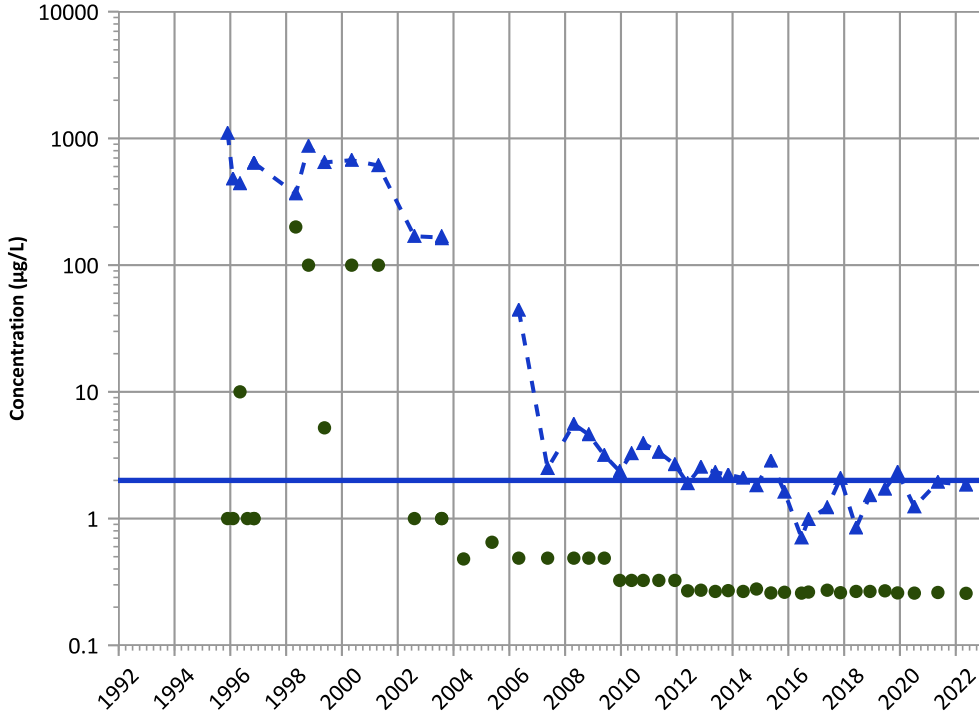
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/27/1995 to 05/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

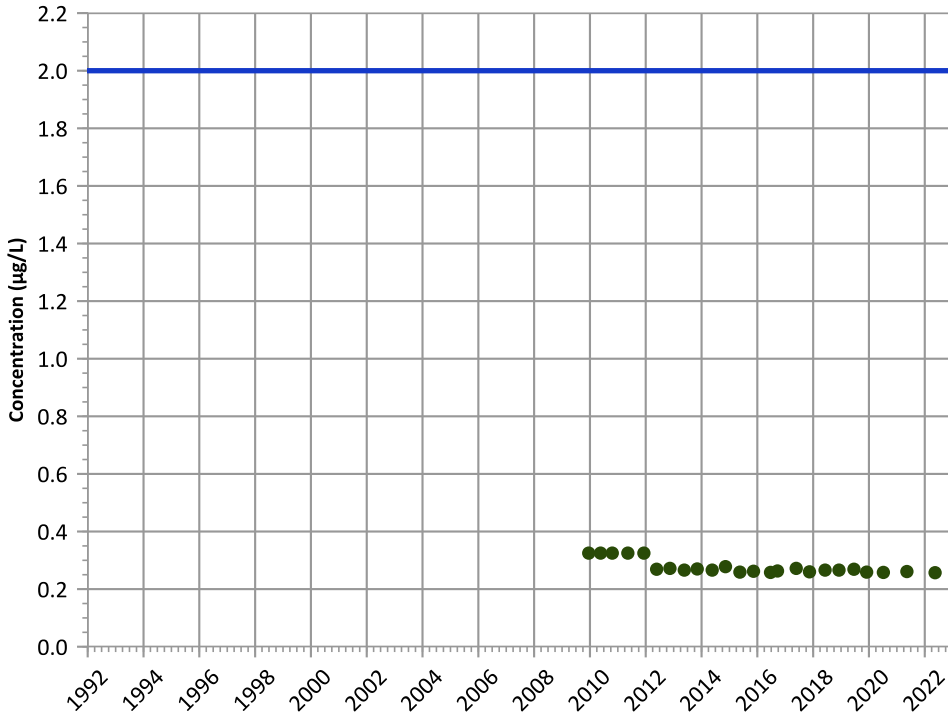


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

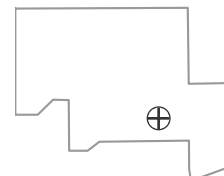
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

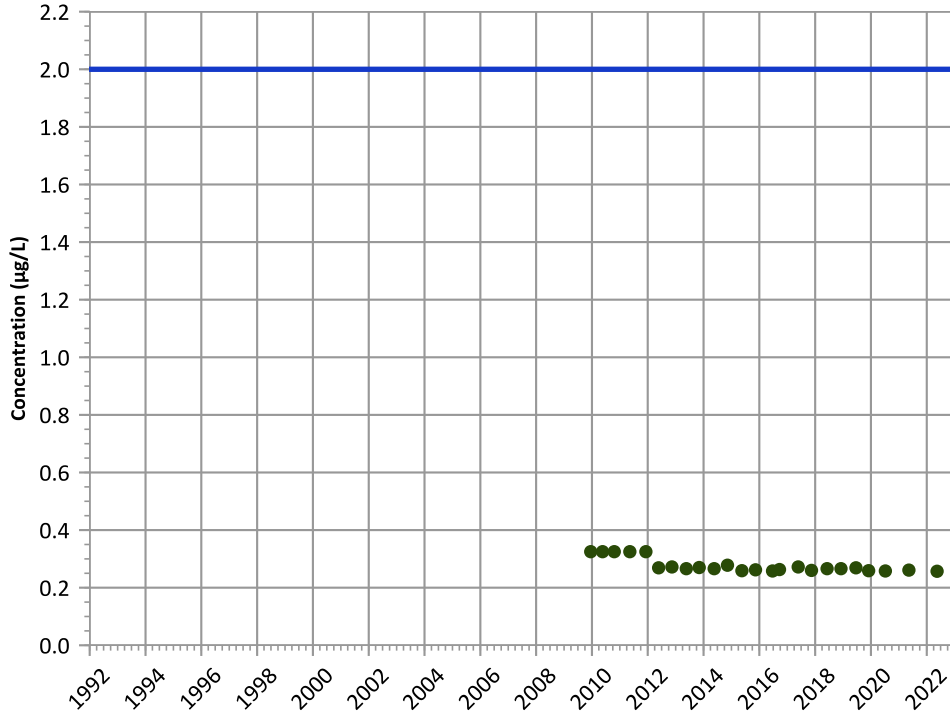
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

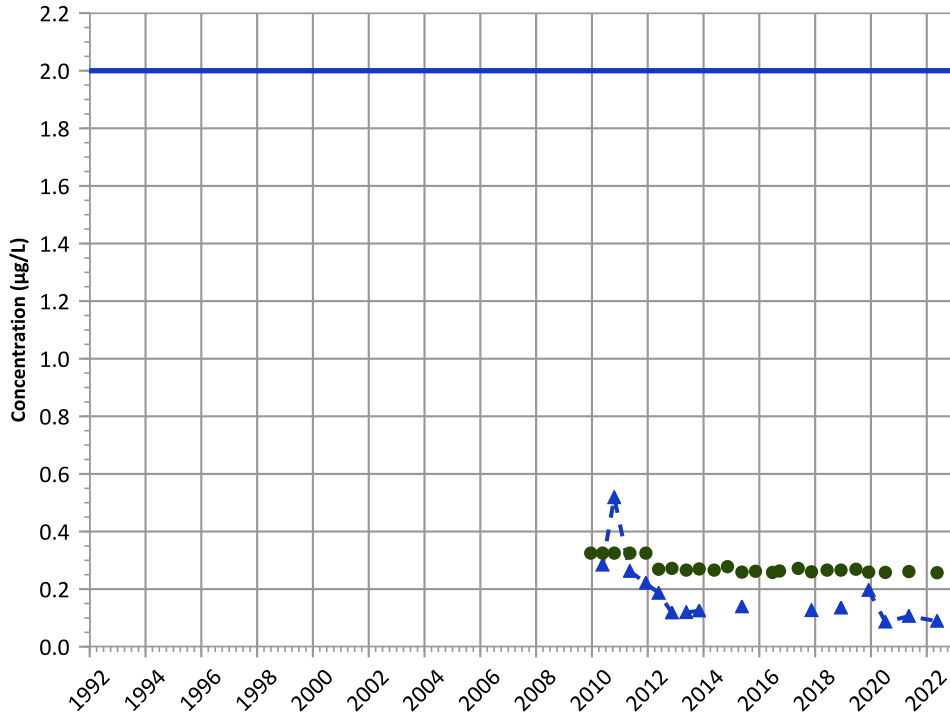
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

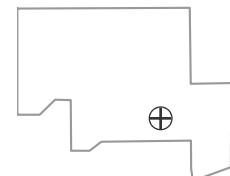
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

**Well Location**

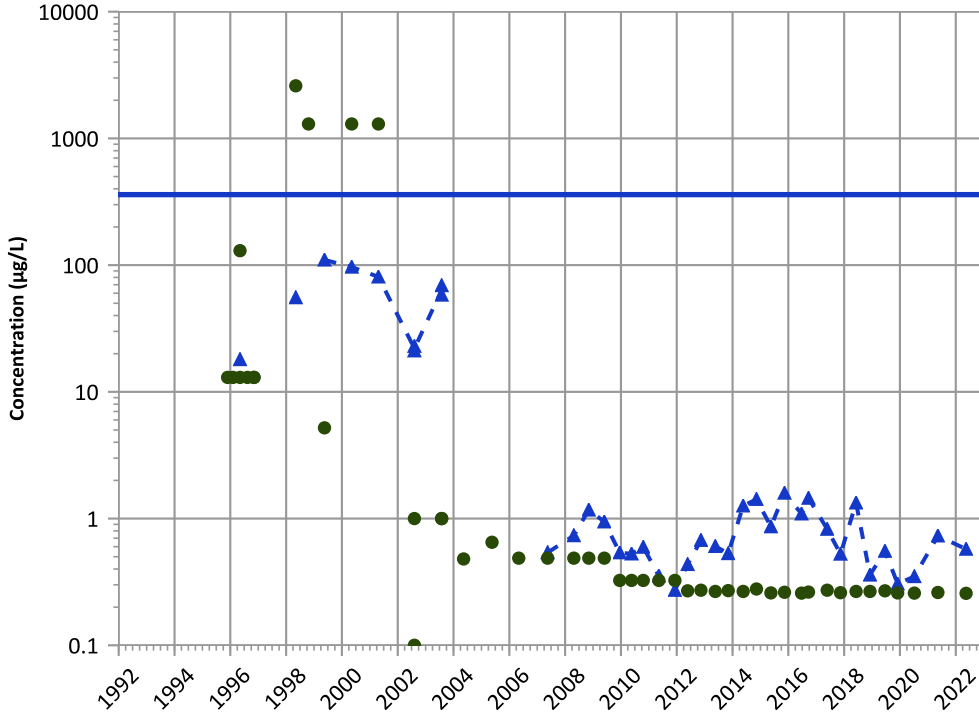


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

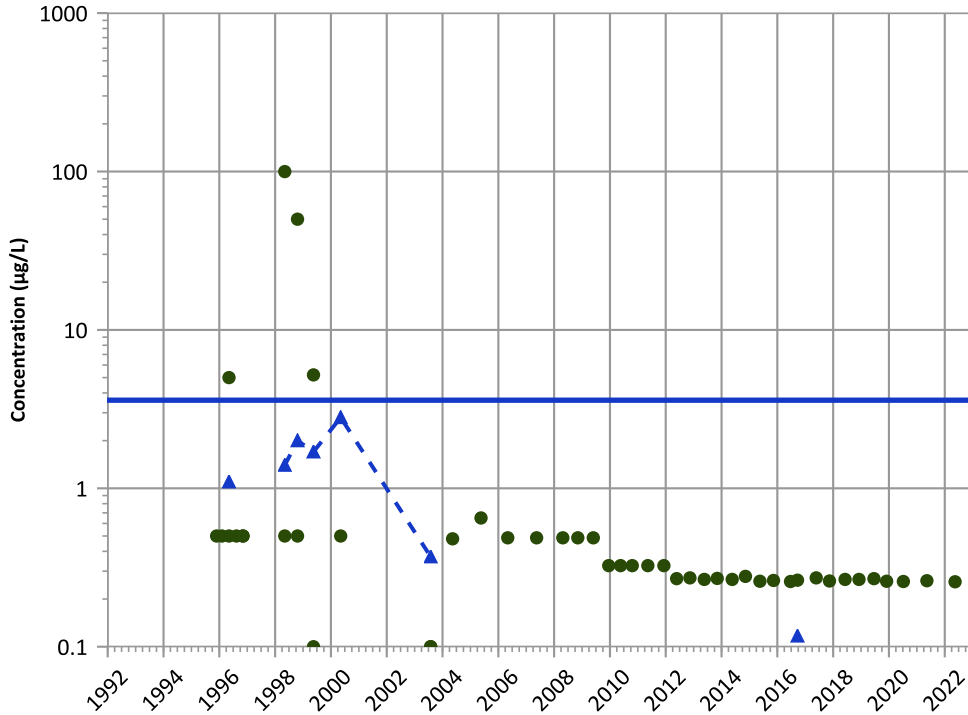


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

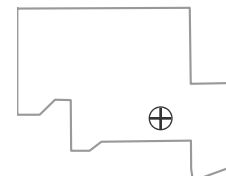
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

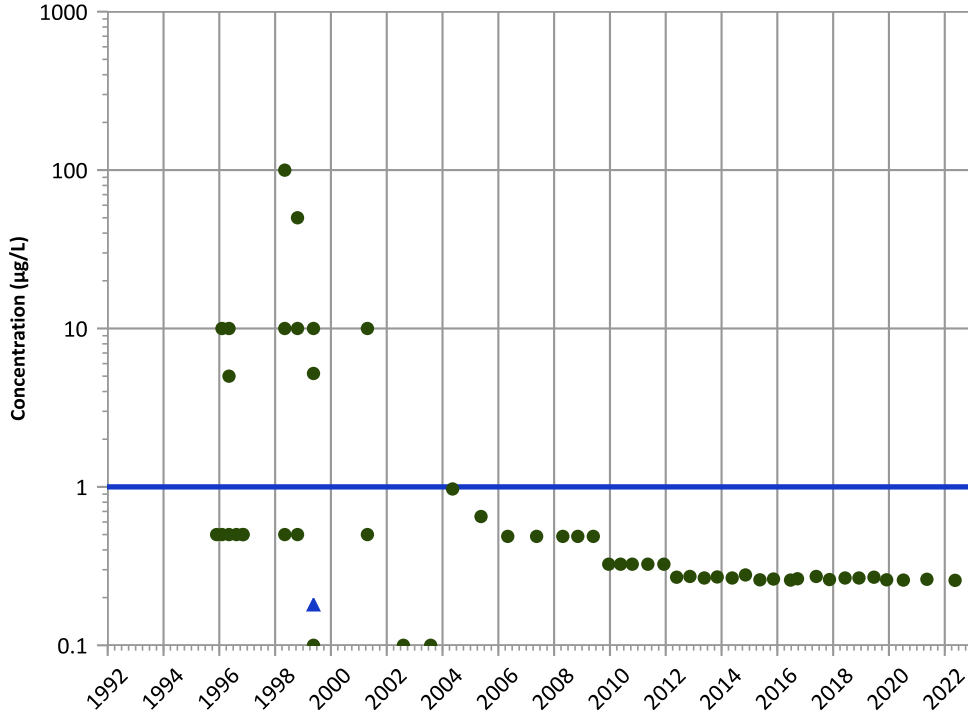
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

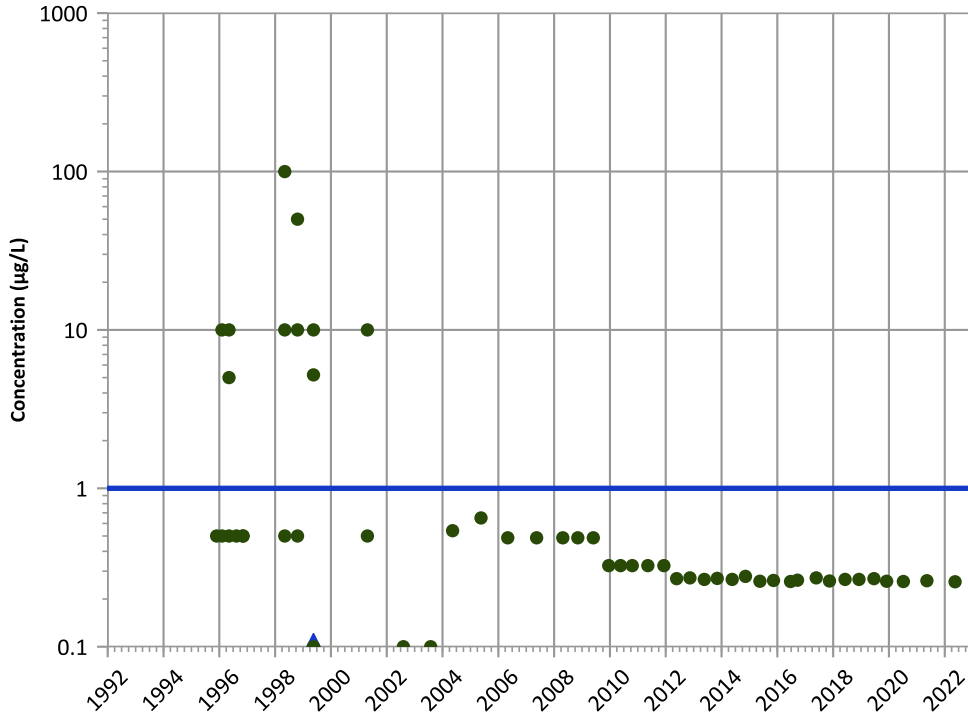
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

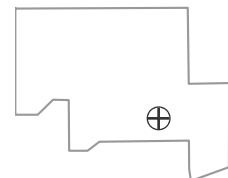
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

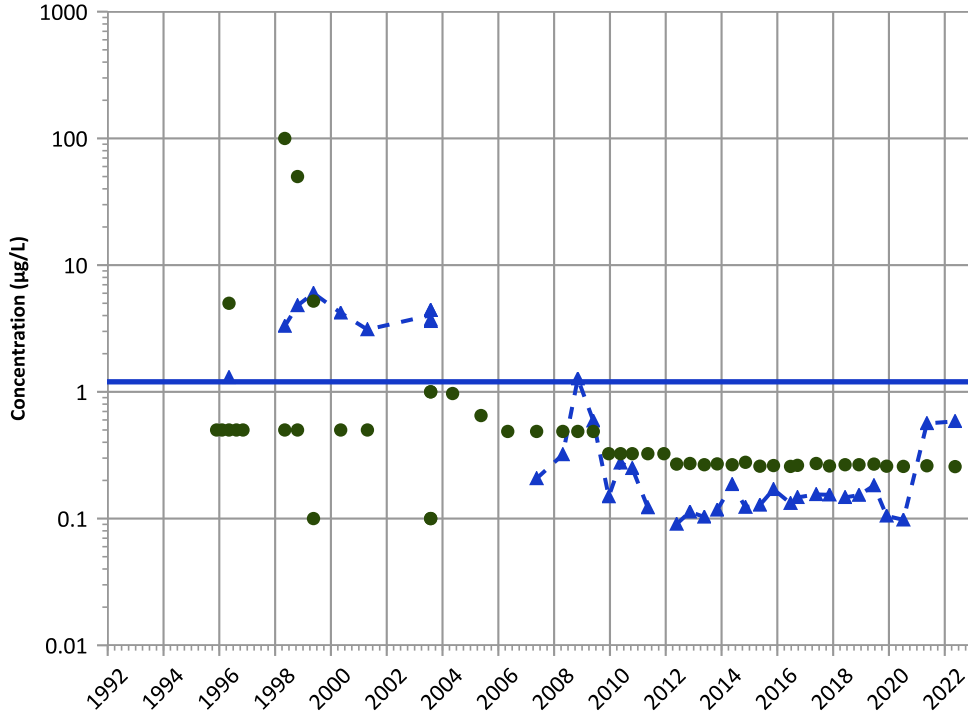
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

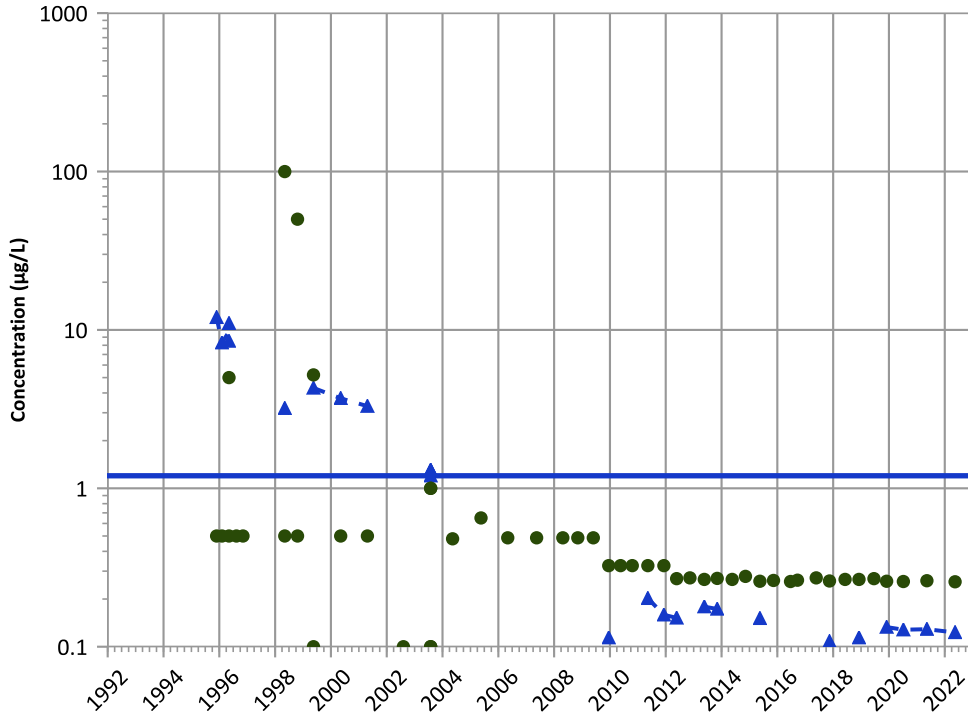
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

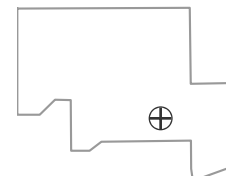
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

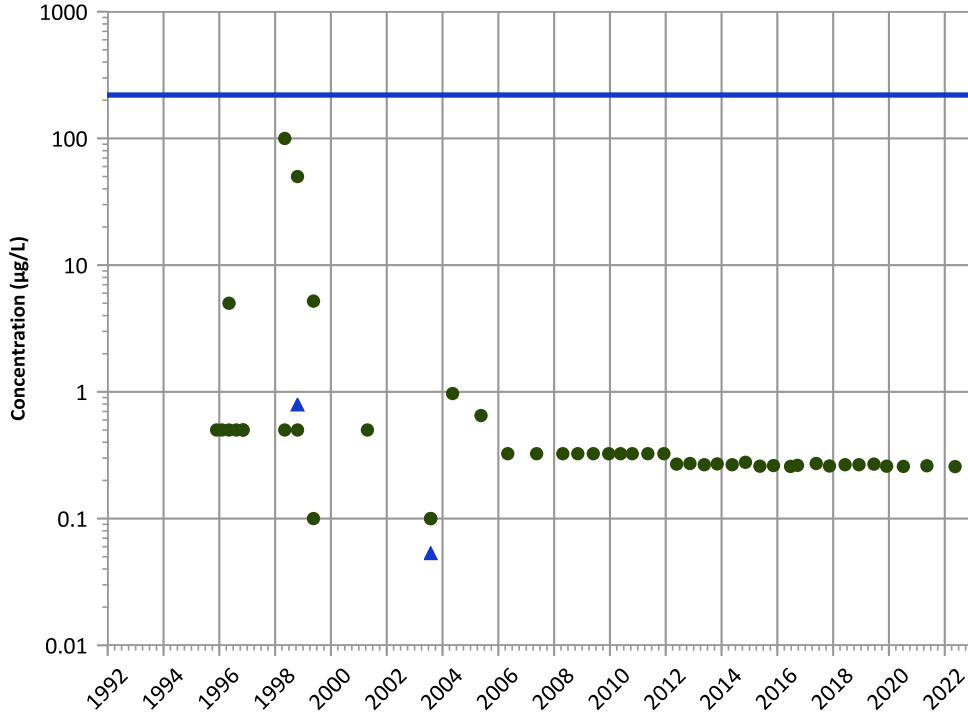
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

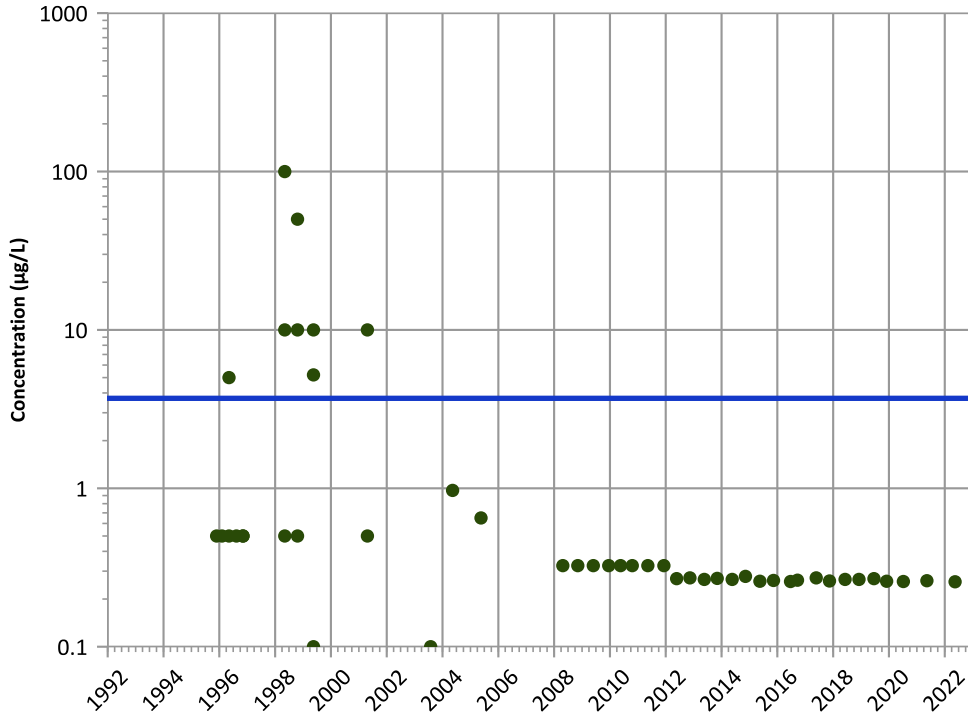
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

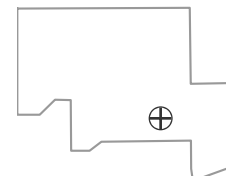
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

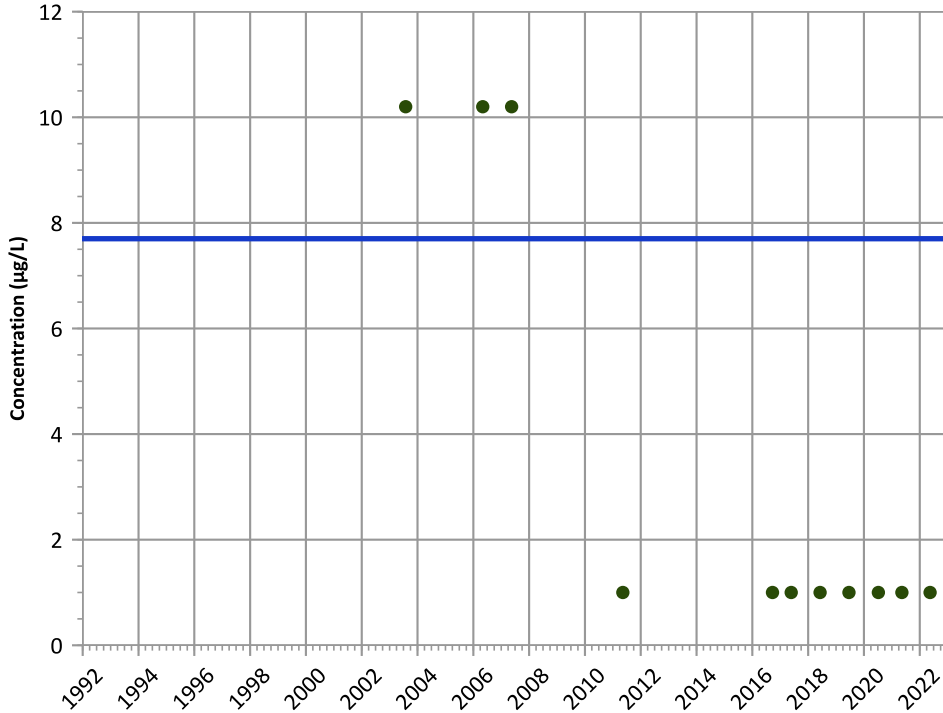
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

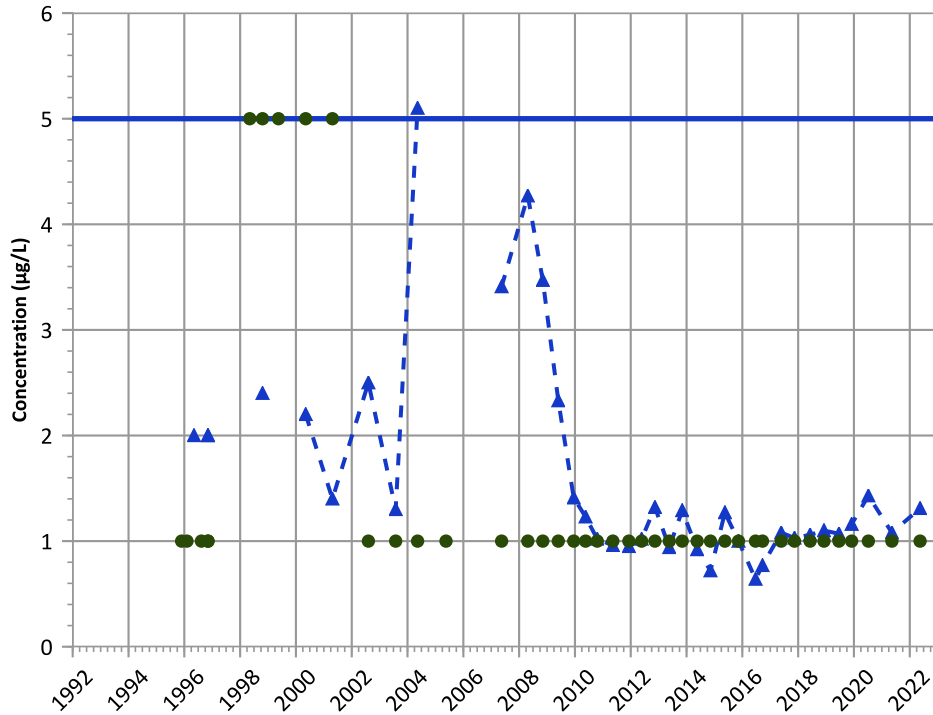


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

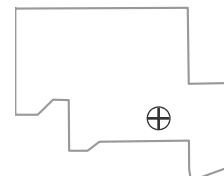
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

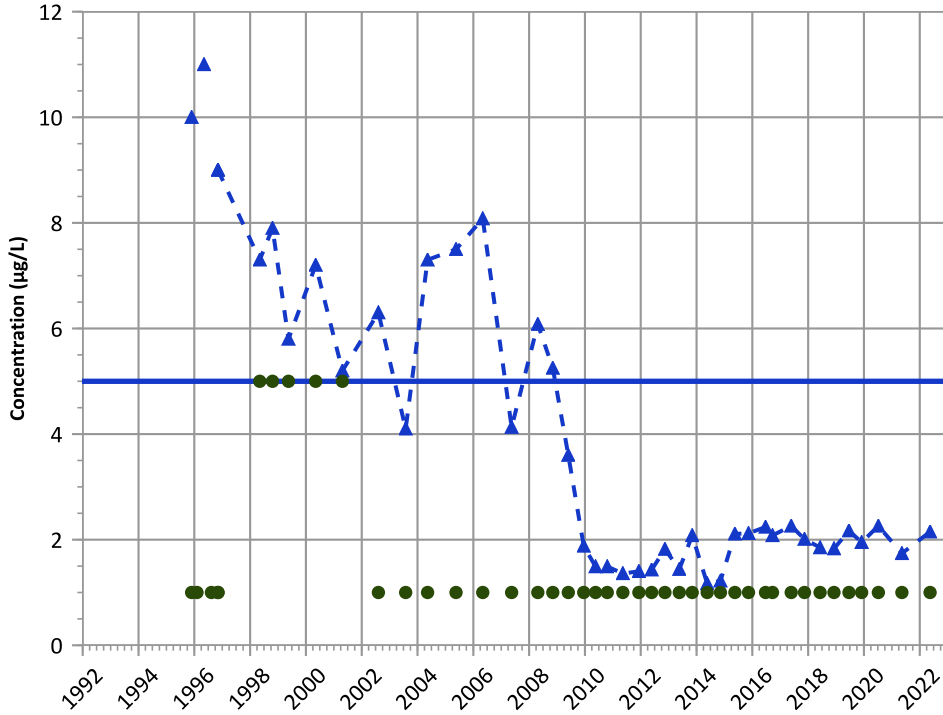
Well Location





PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

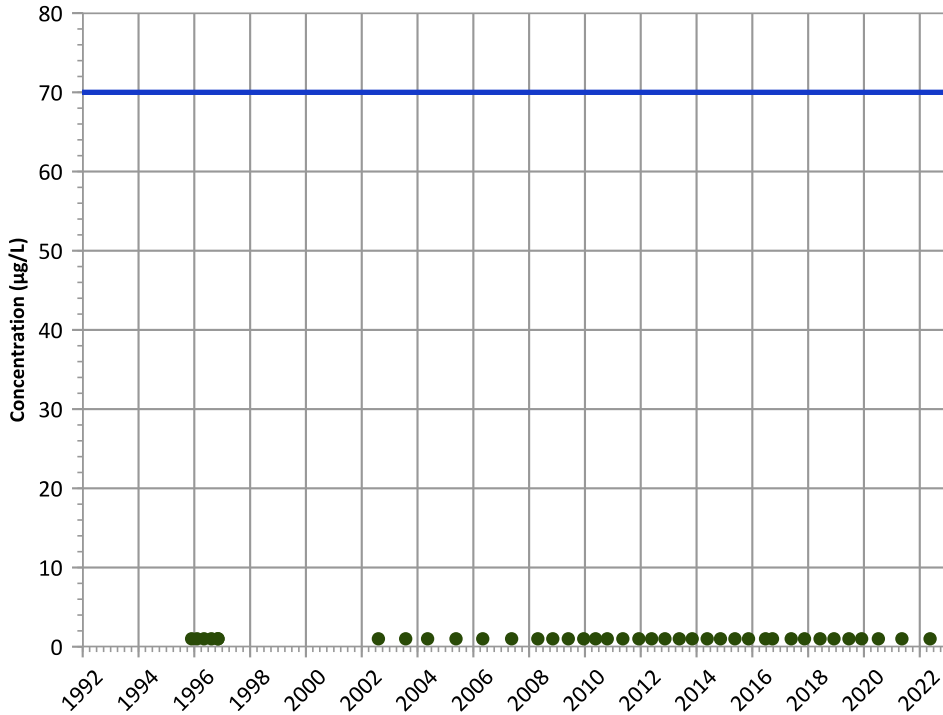


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

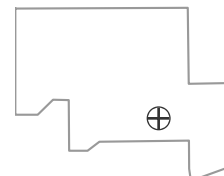
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

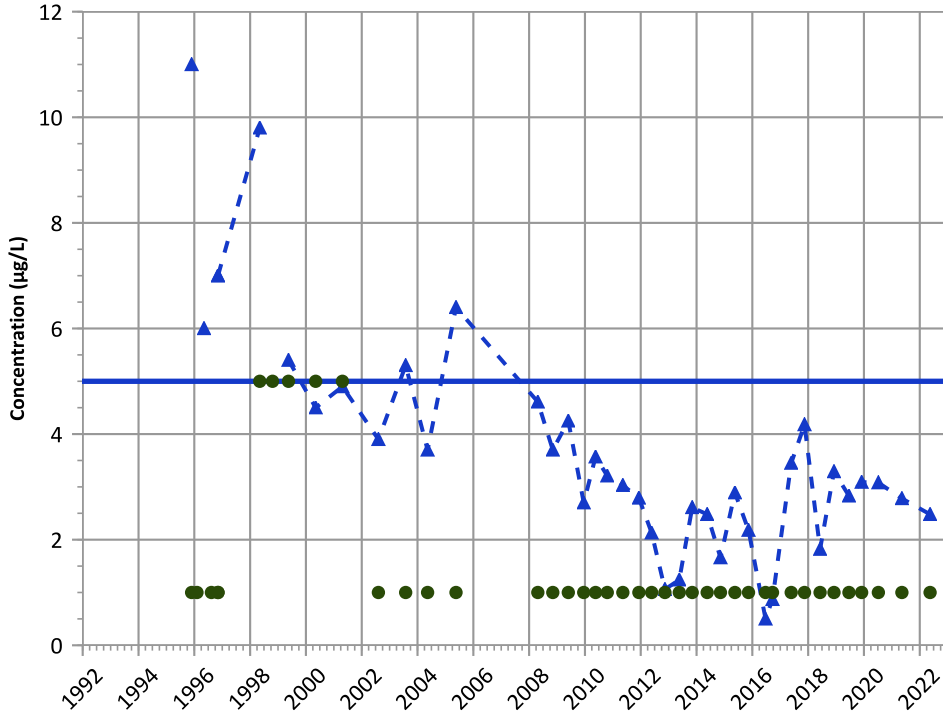
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

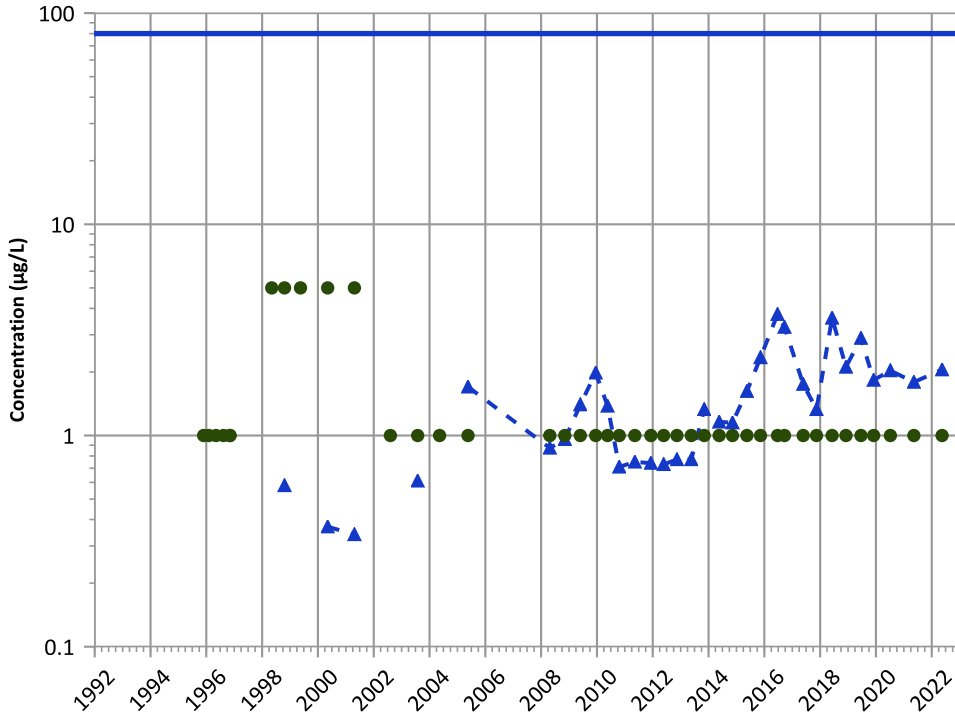


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

**Chloroform Trend**



**Concentration Trend**

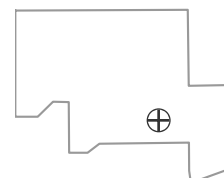
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

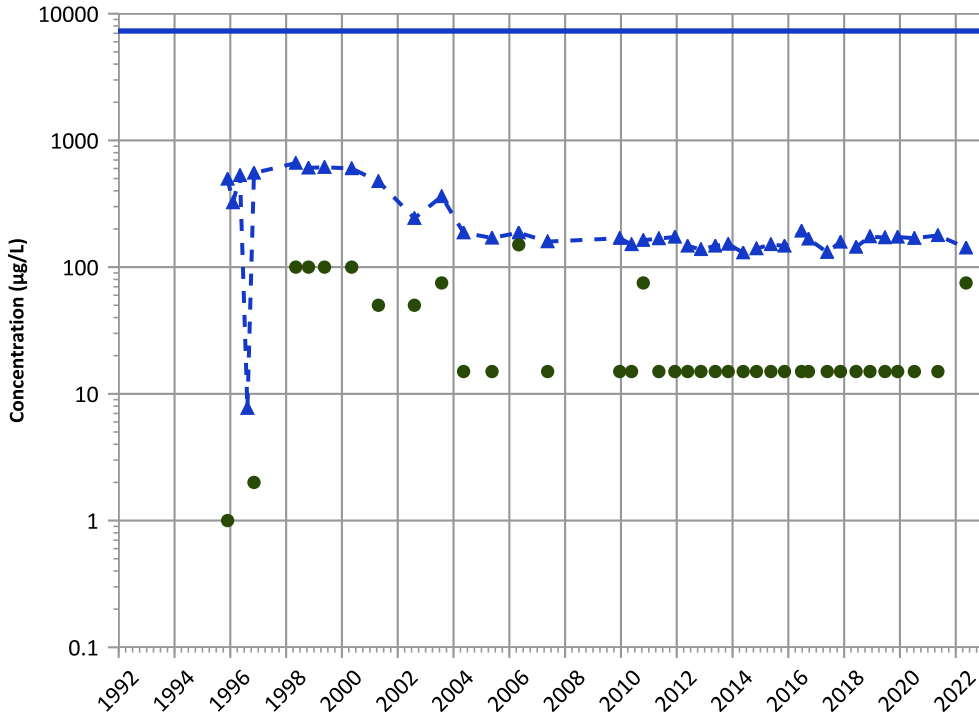
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend

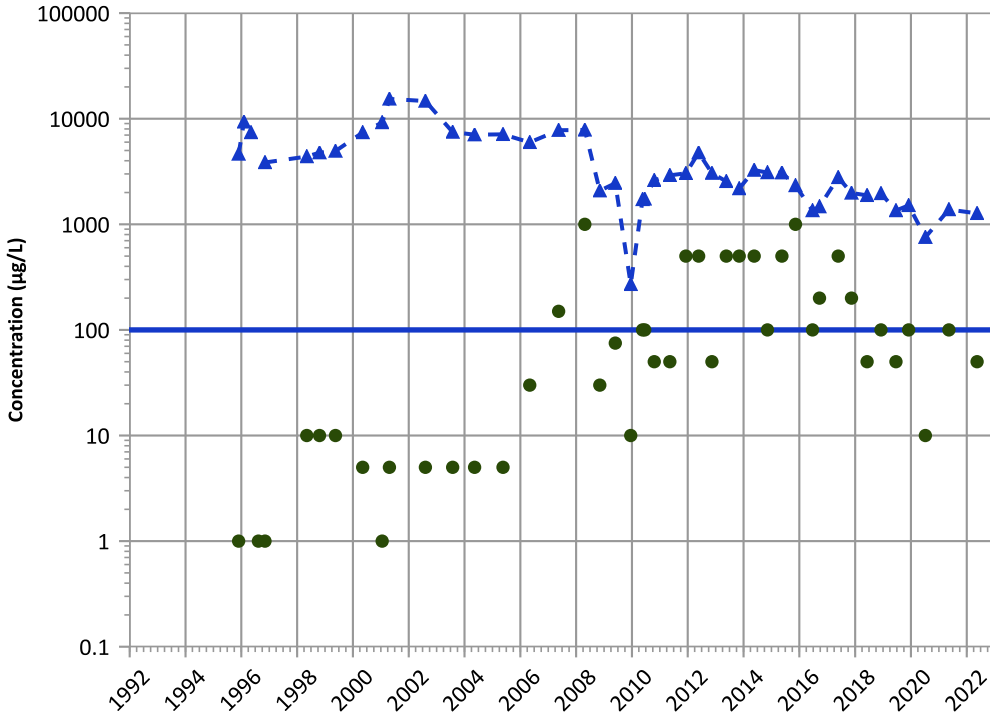


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Chromium, Total Trend



Concentration Trend

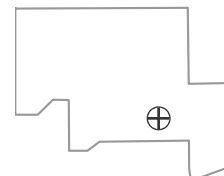
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

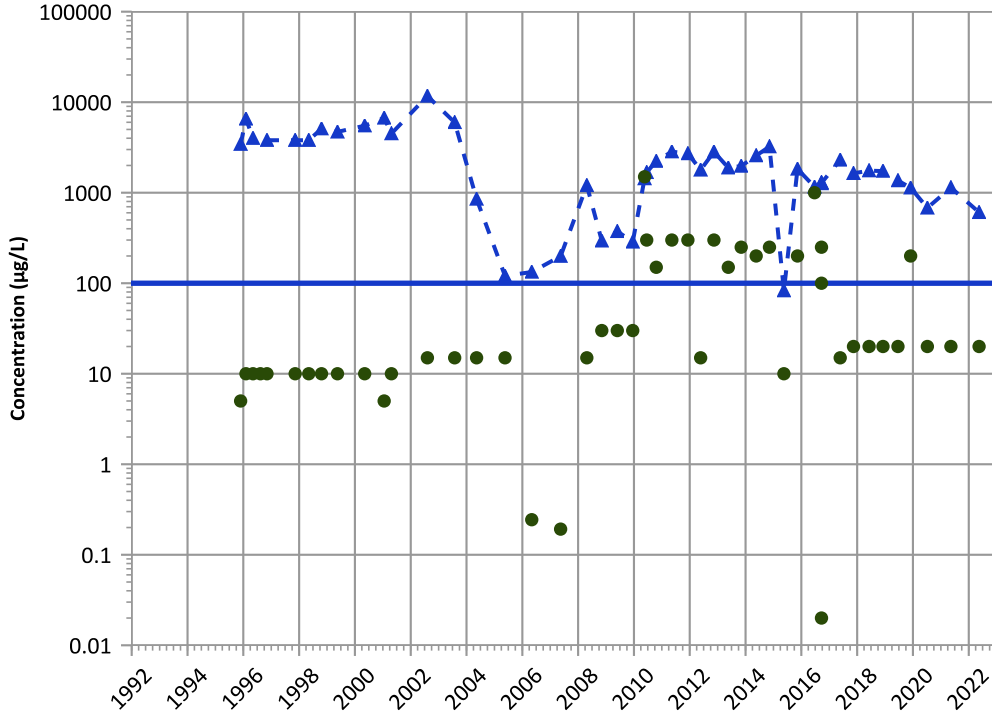
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

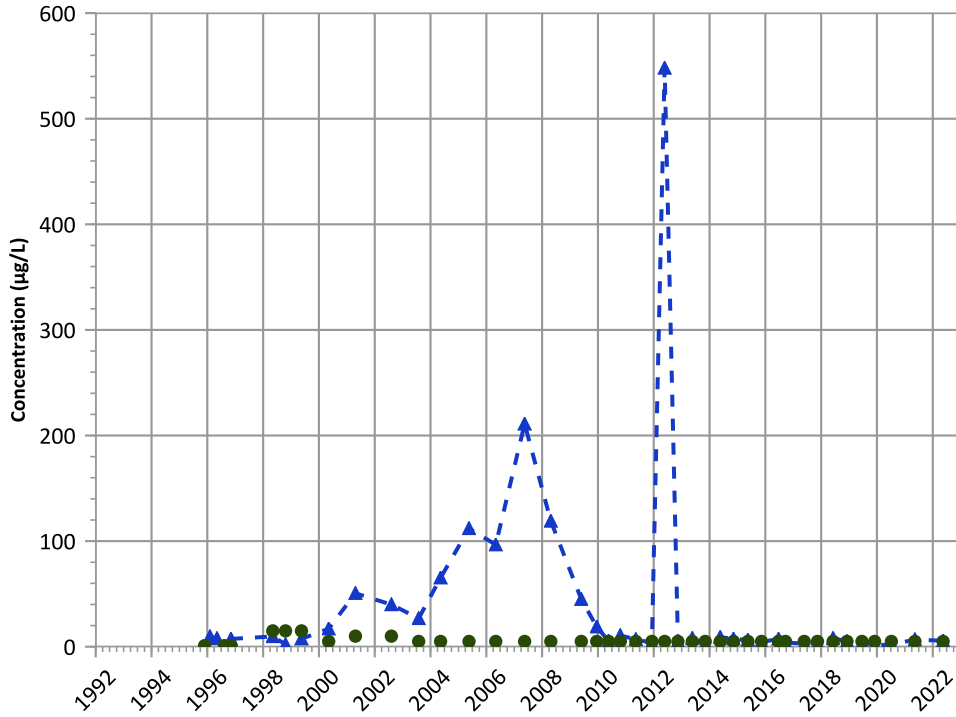


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Manganese Trend



Concentration Trend

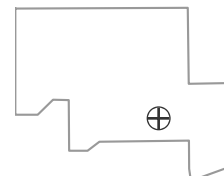
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

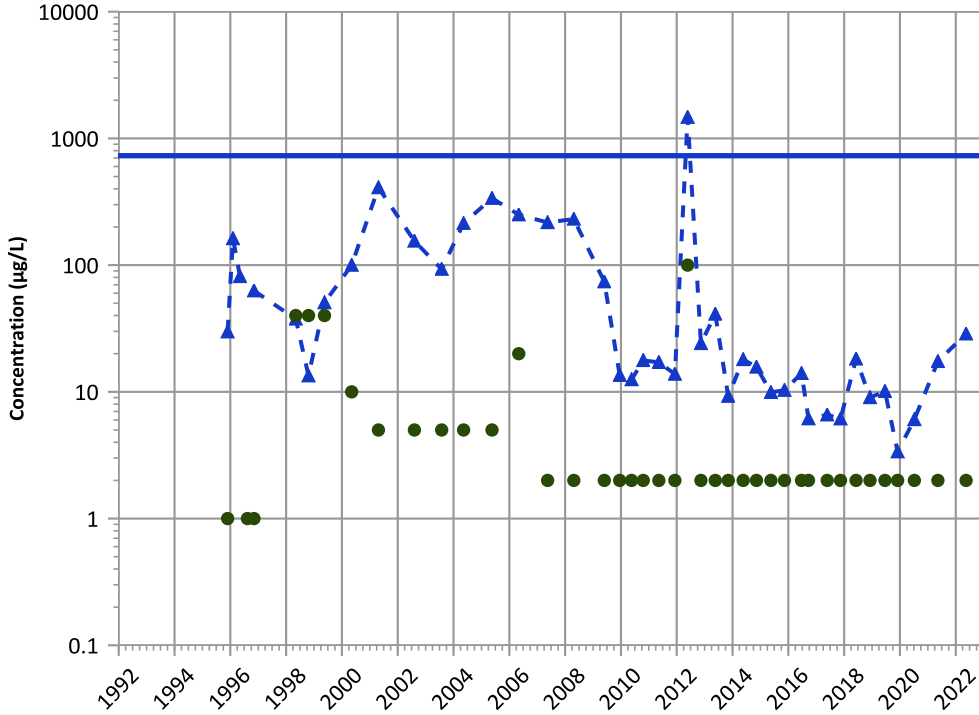
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

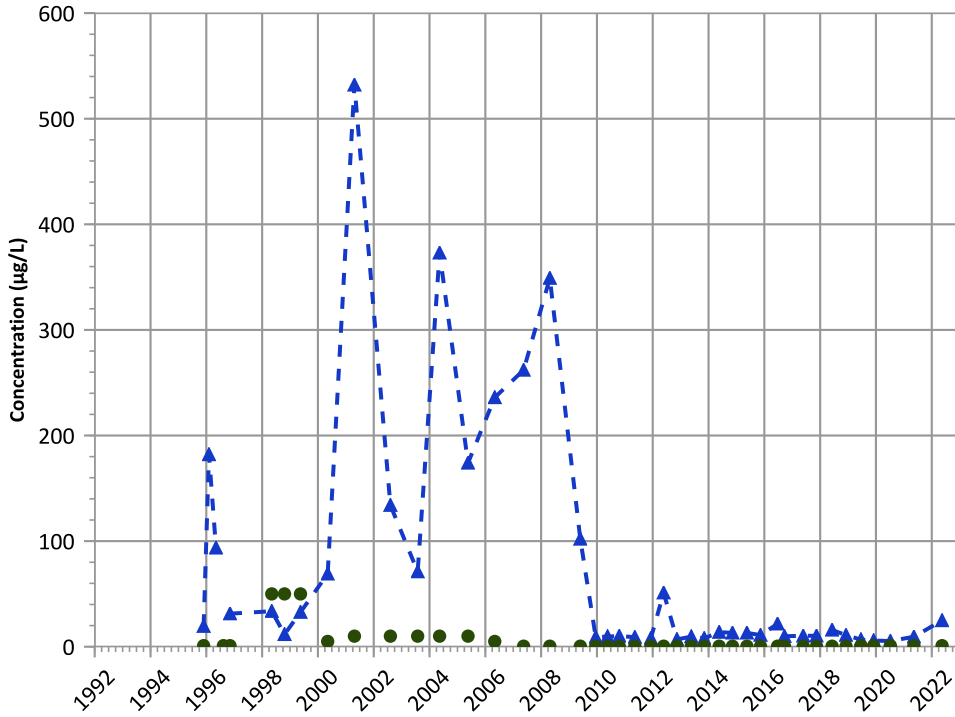
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Increasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

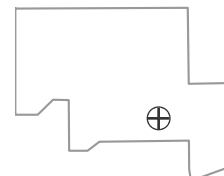
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

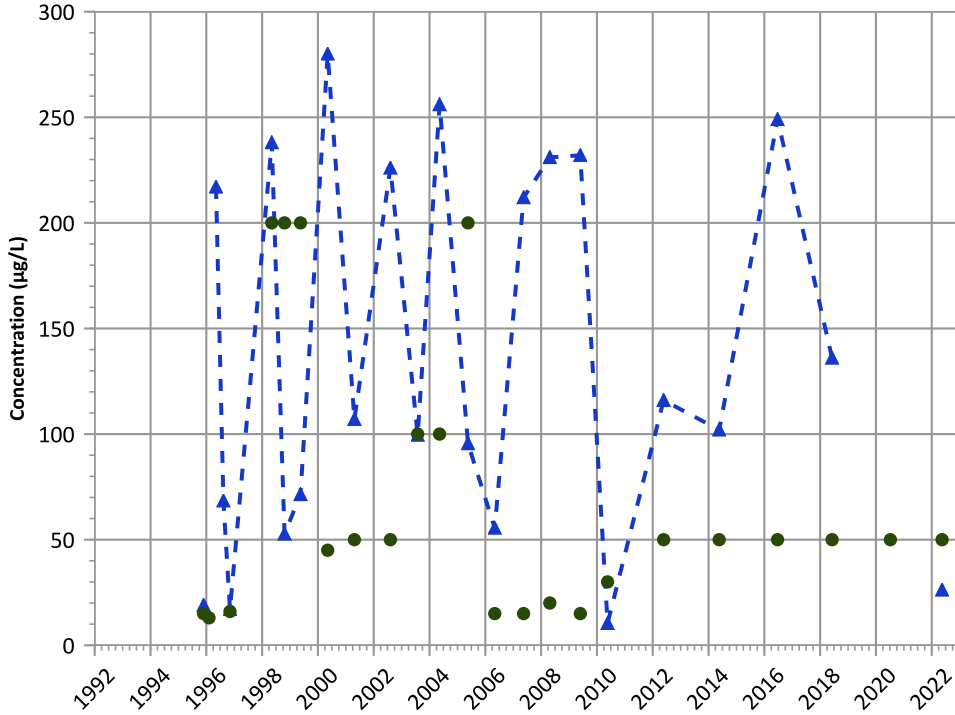
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend

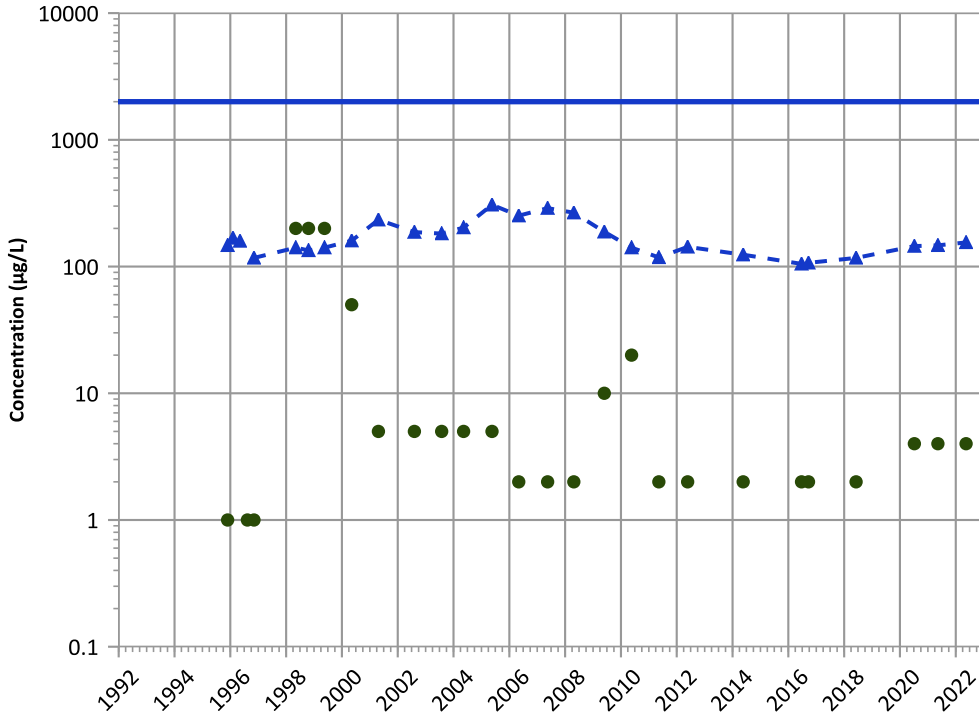


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Barium Trend



Concentration Trend

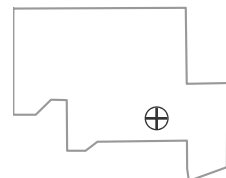
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

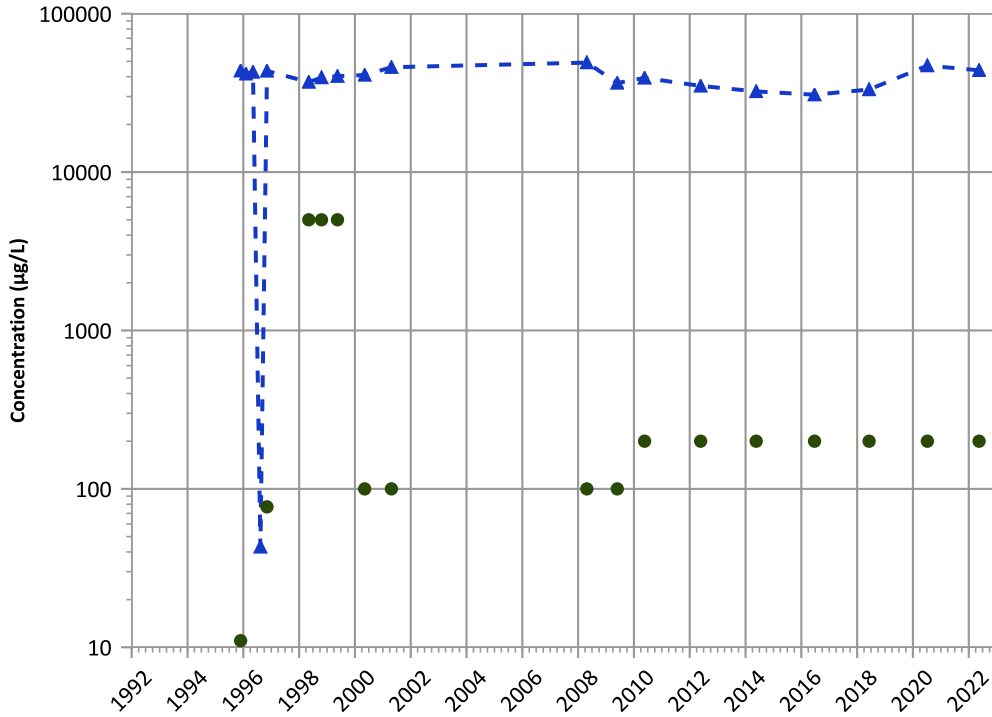
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

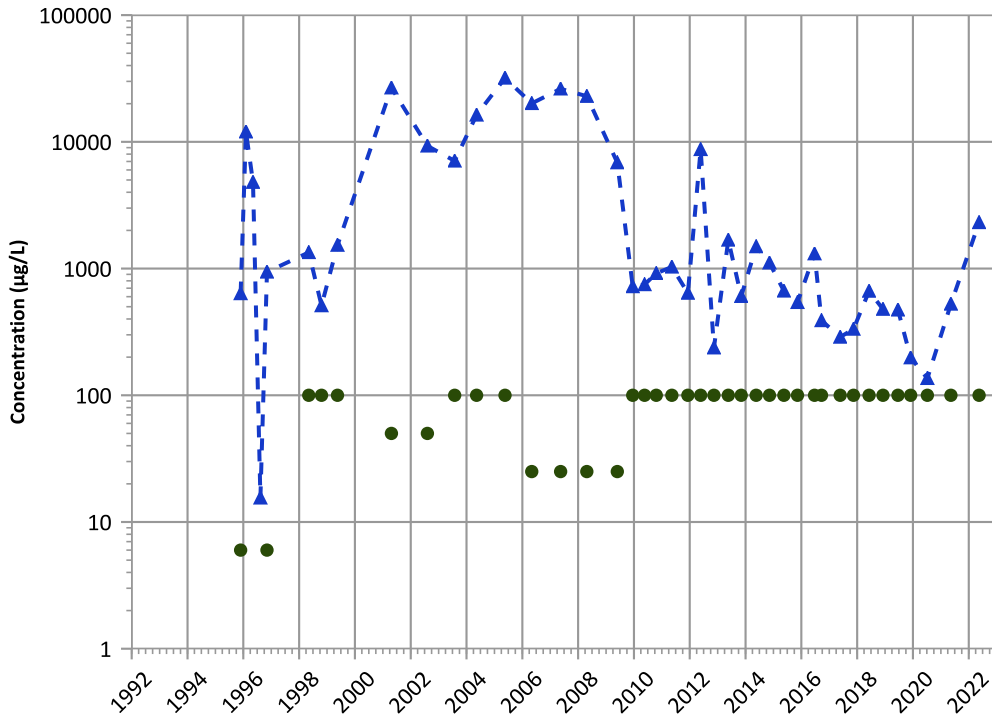
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

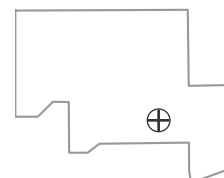
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

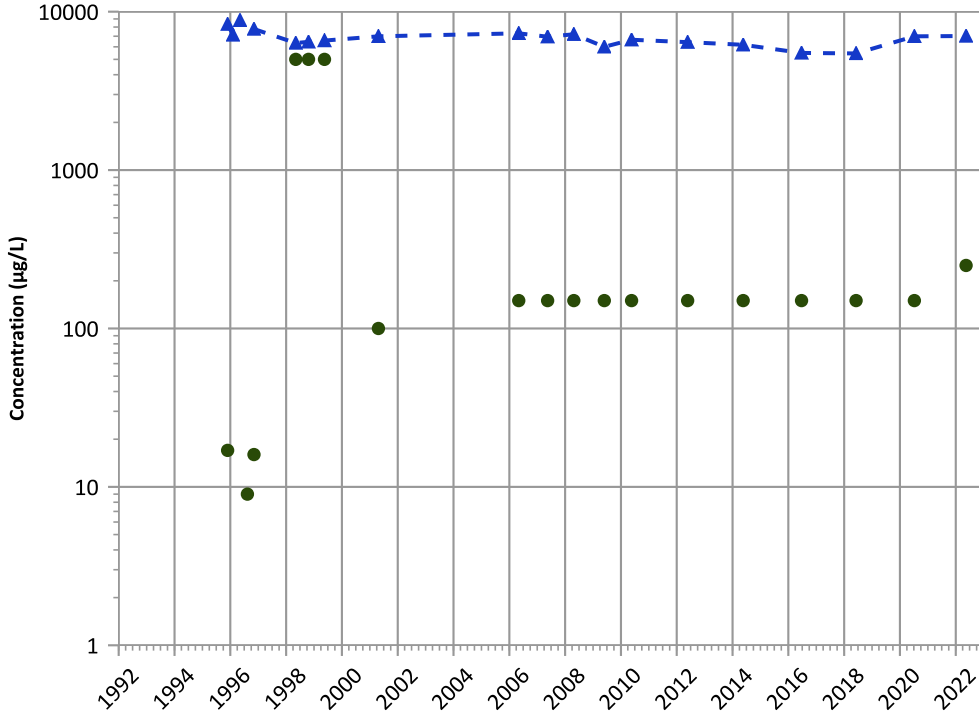
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

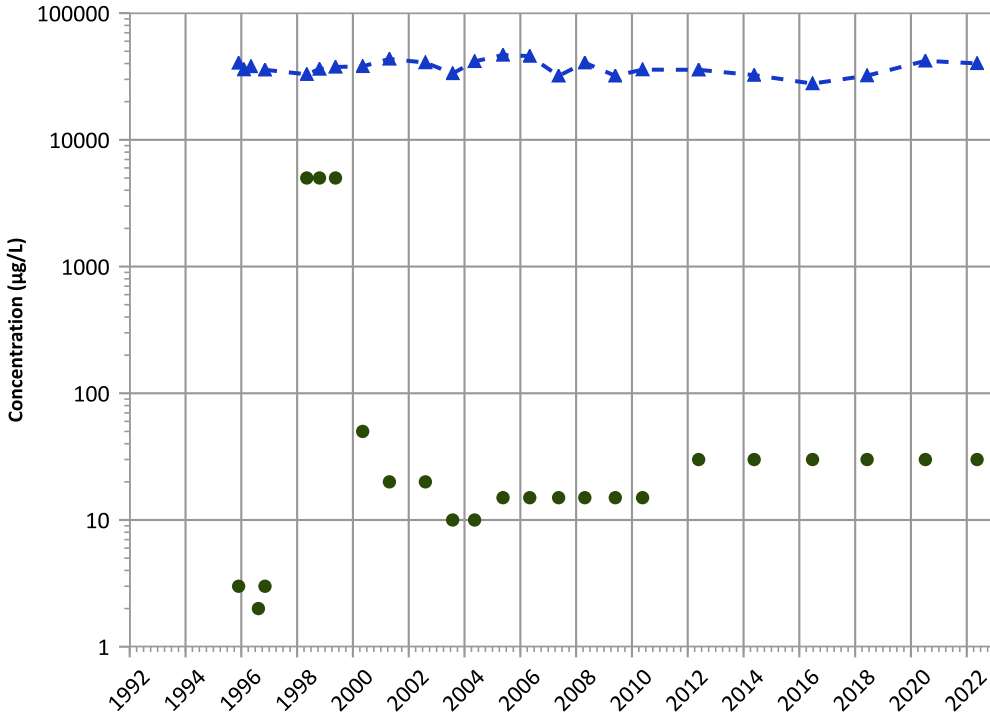


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Magnesium Trend

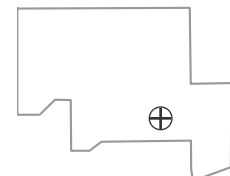


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Well Location



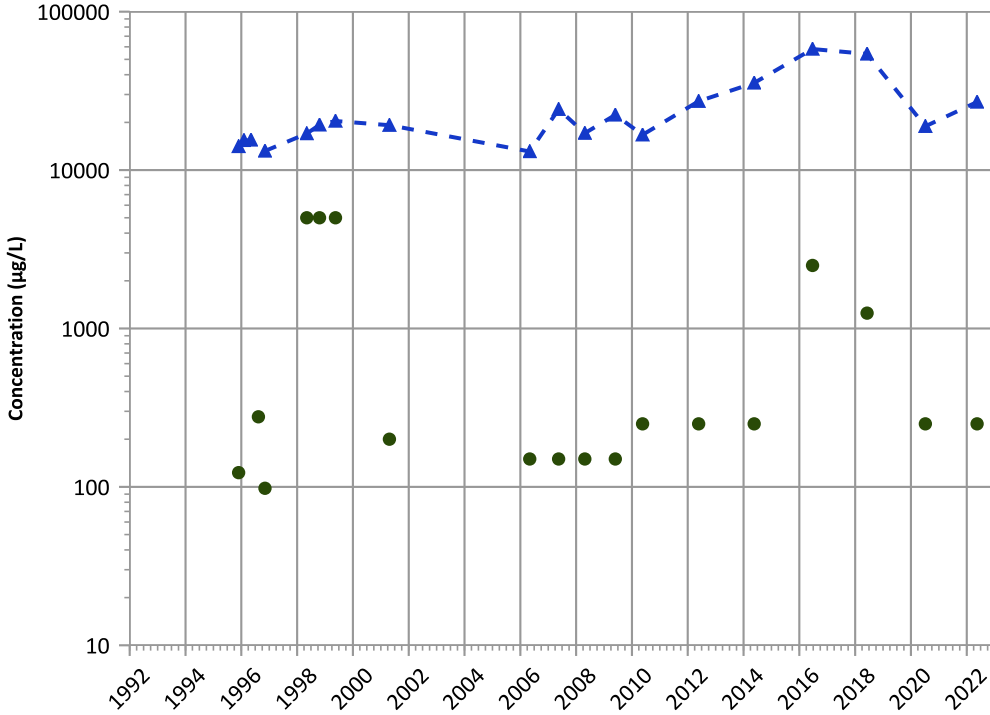
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1010 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend

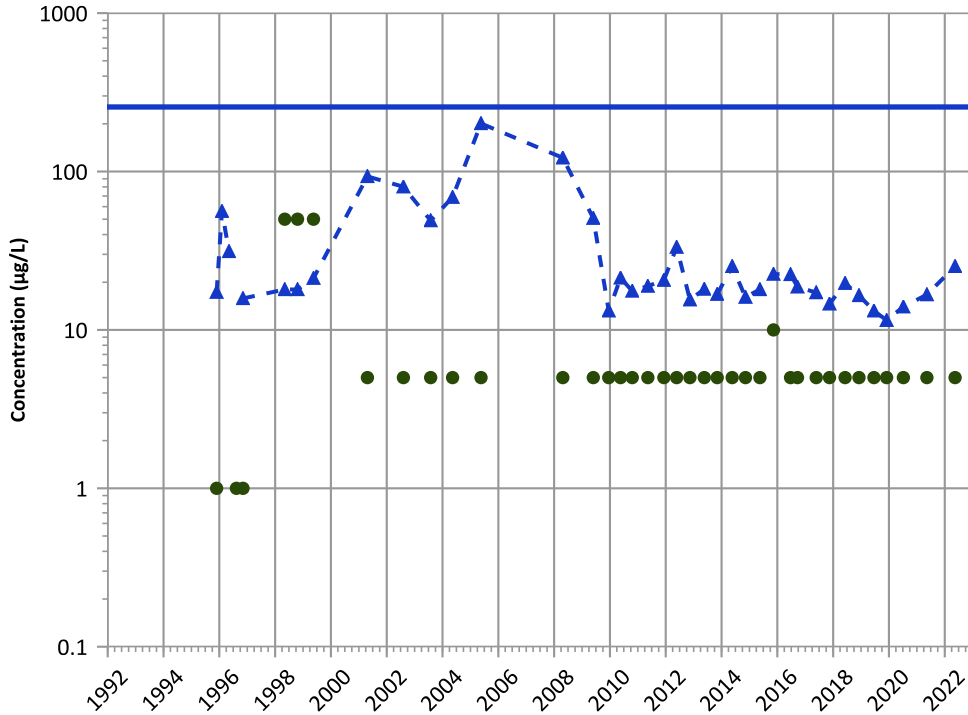


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Vanadium Trend



Concentration Trend

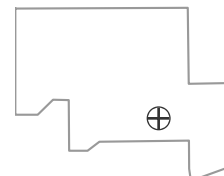
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

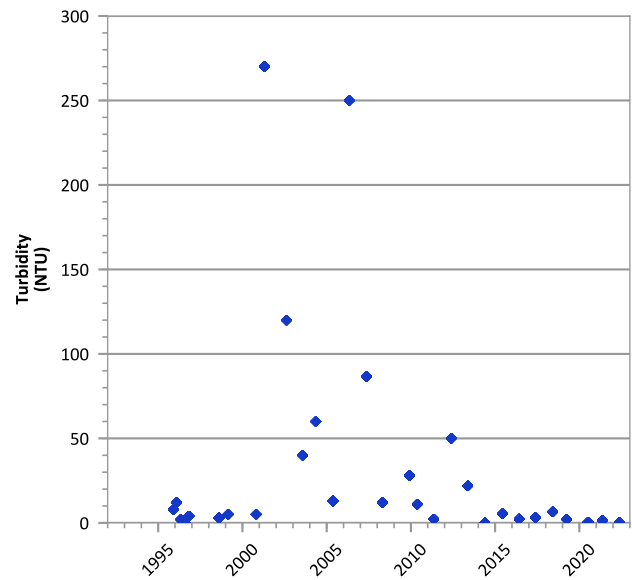
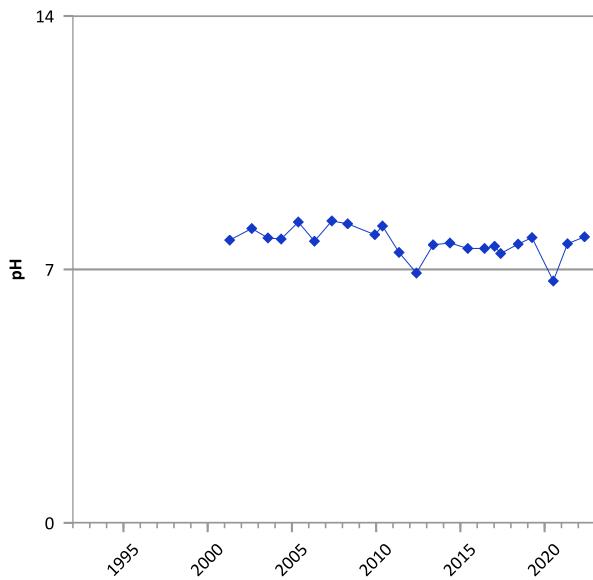
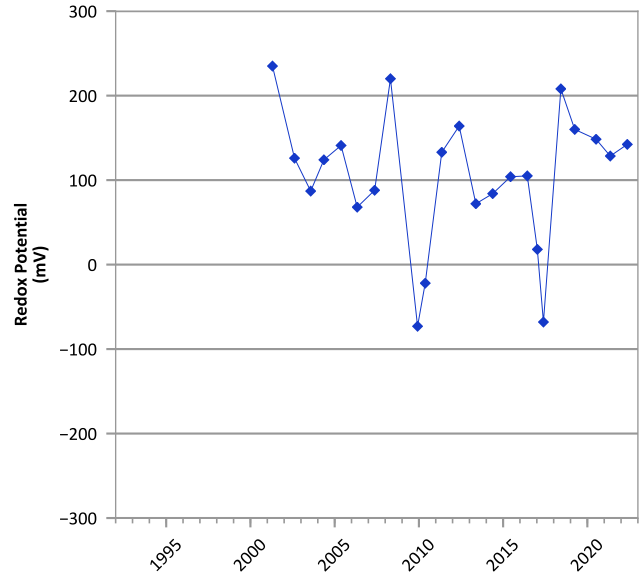
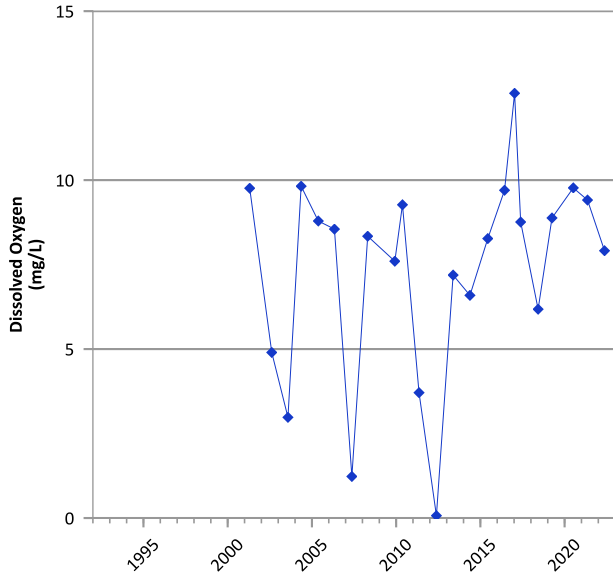
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

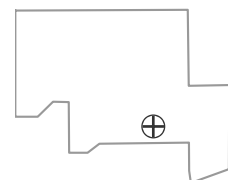


**PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



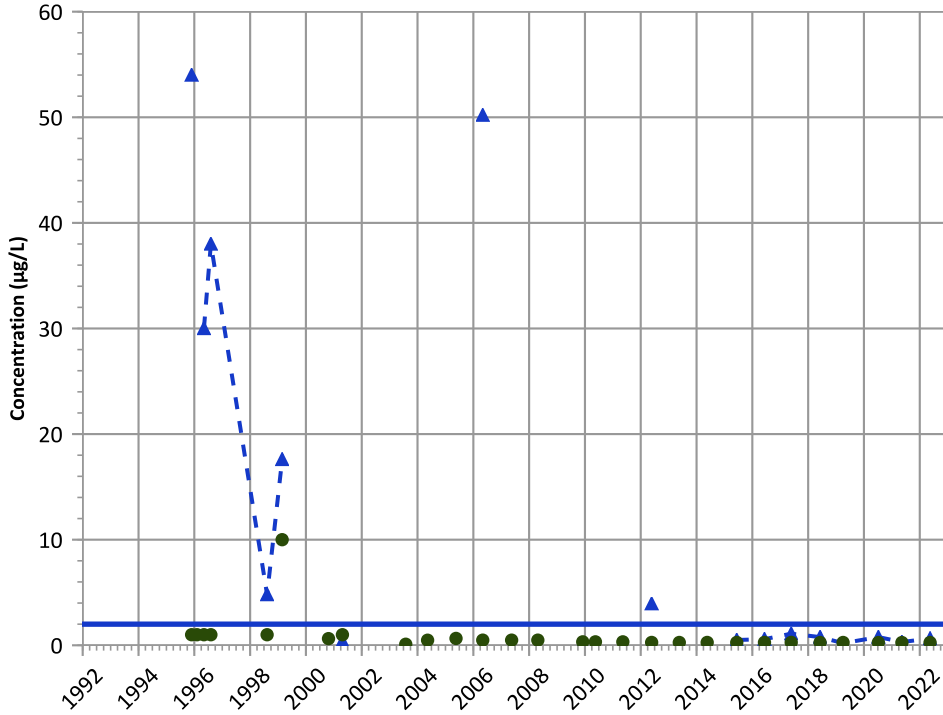
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/27/1995 to 05/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

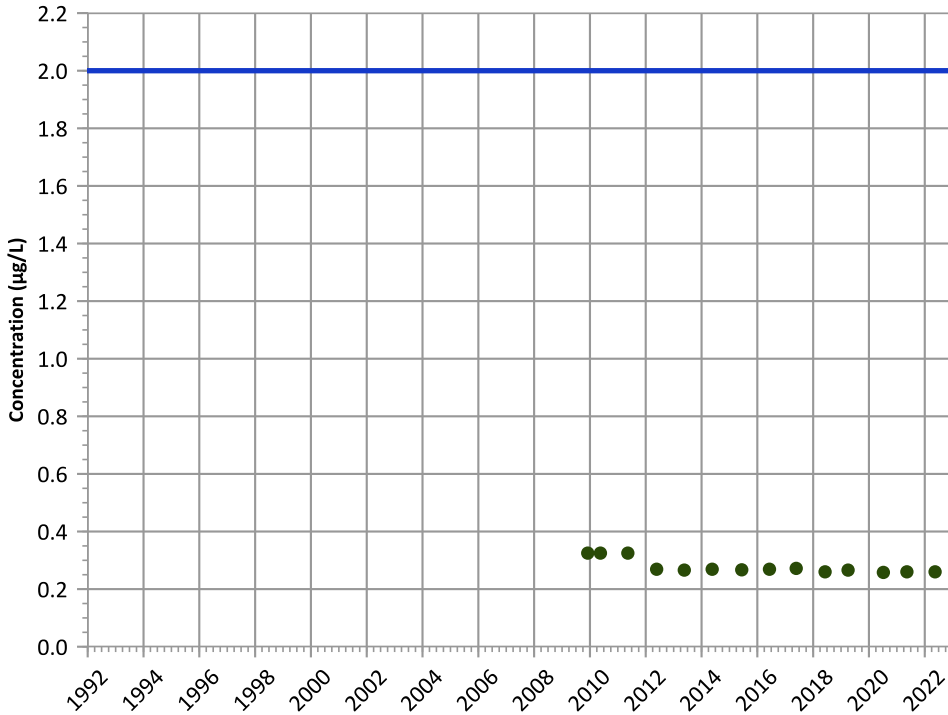
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

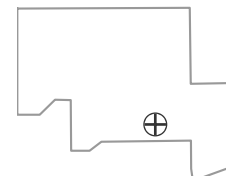
2020 - 2022 Data:

All Non-Detect

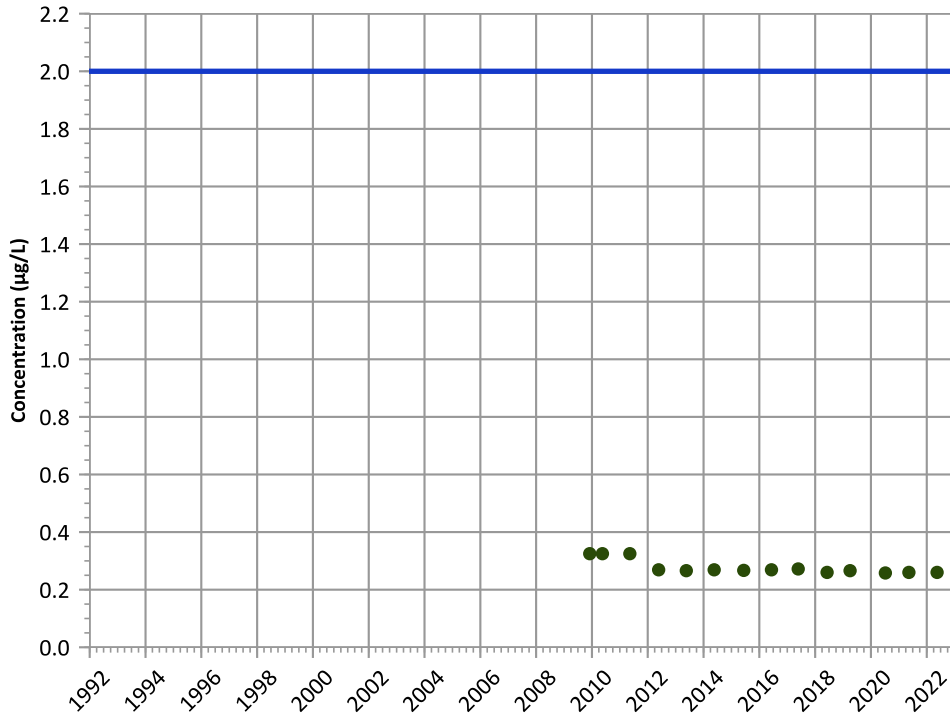
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

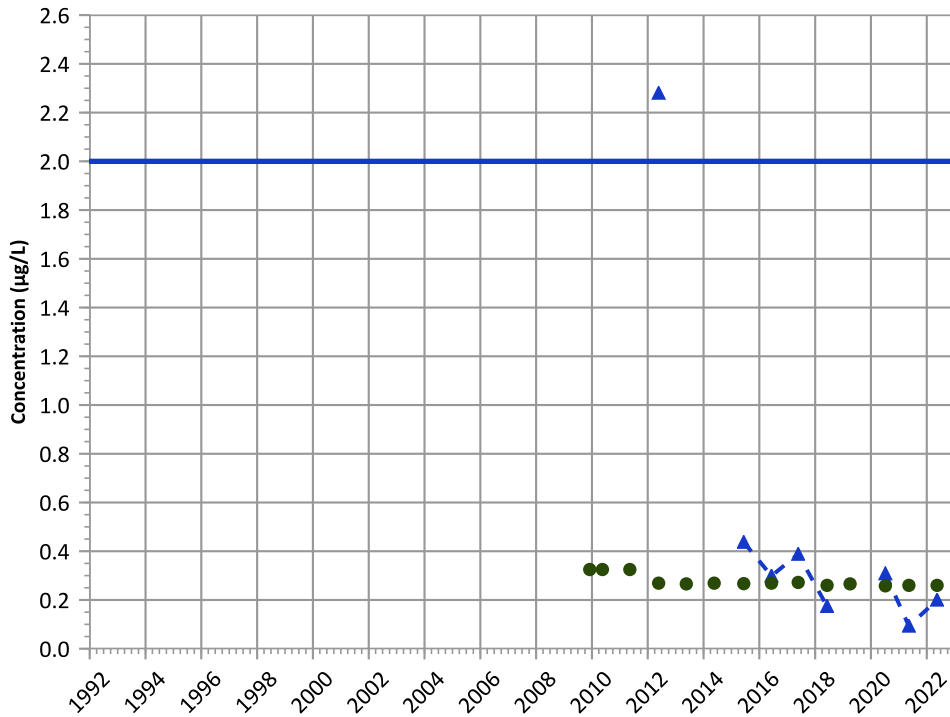
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

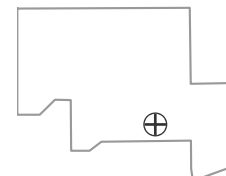
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

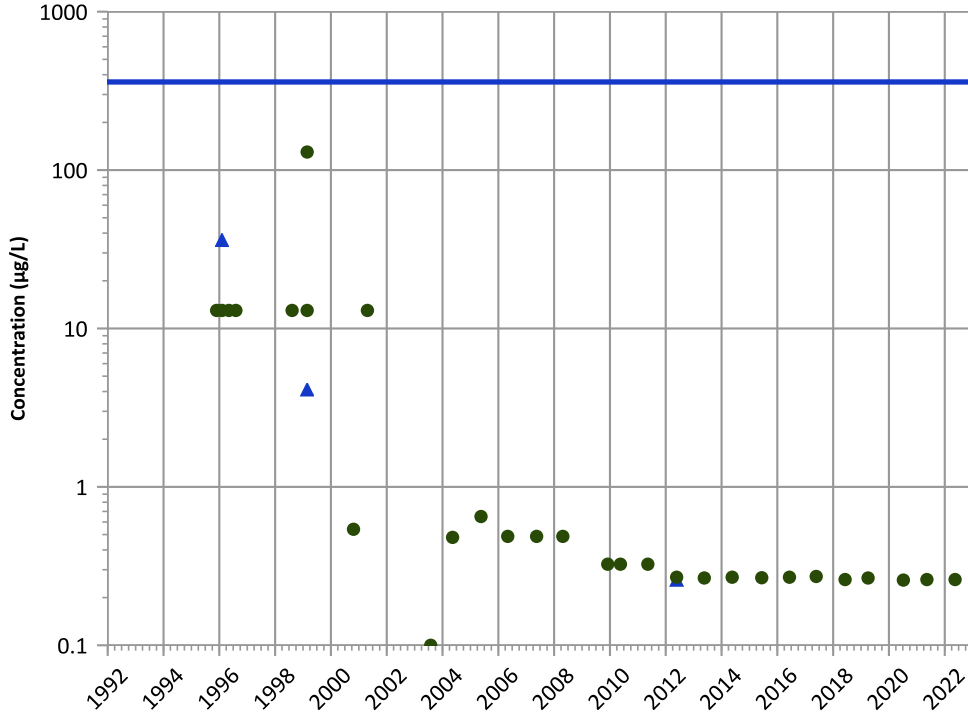
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

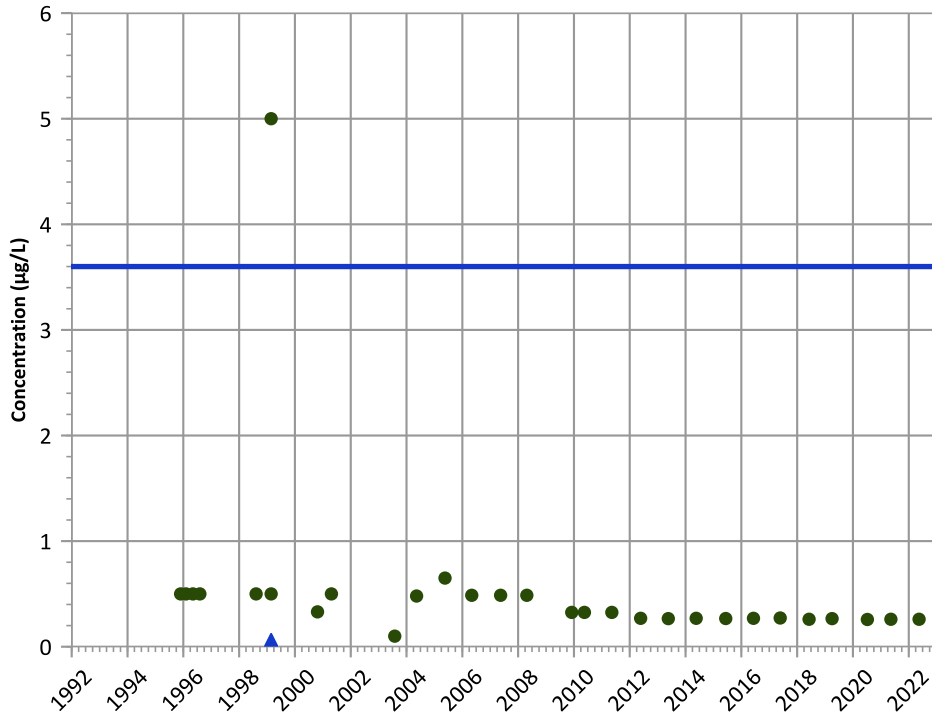


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

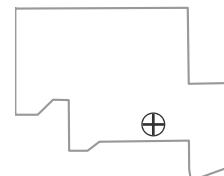
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

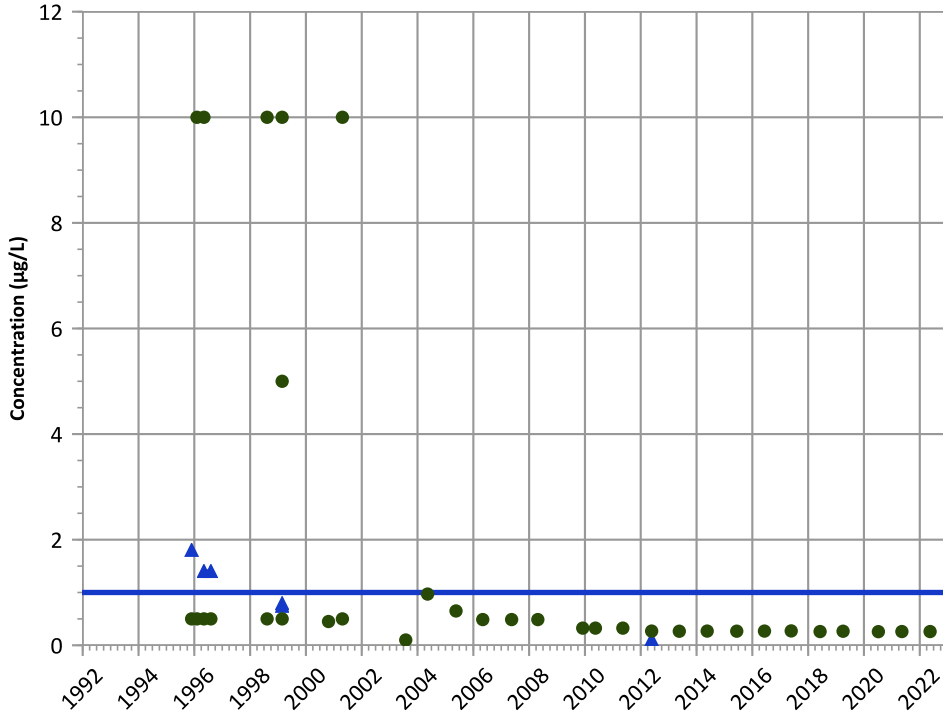
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

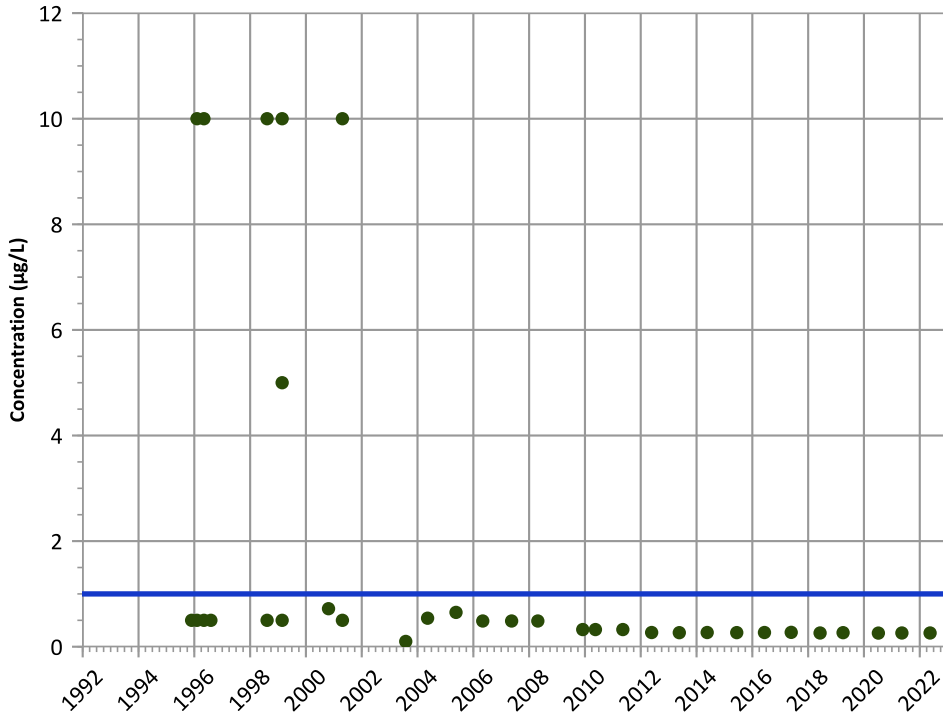


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

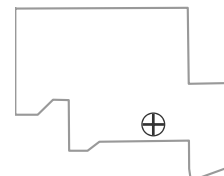
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

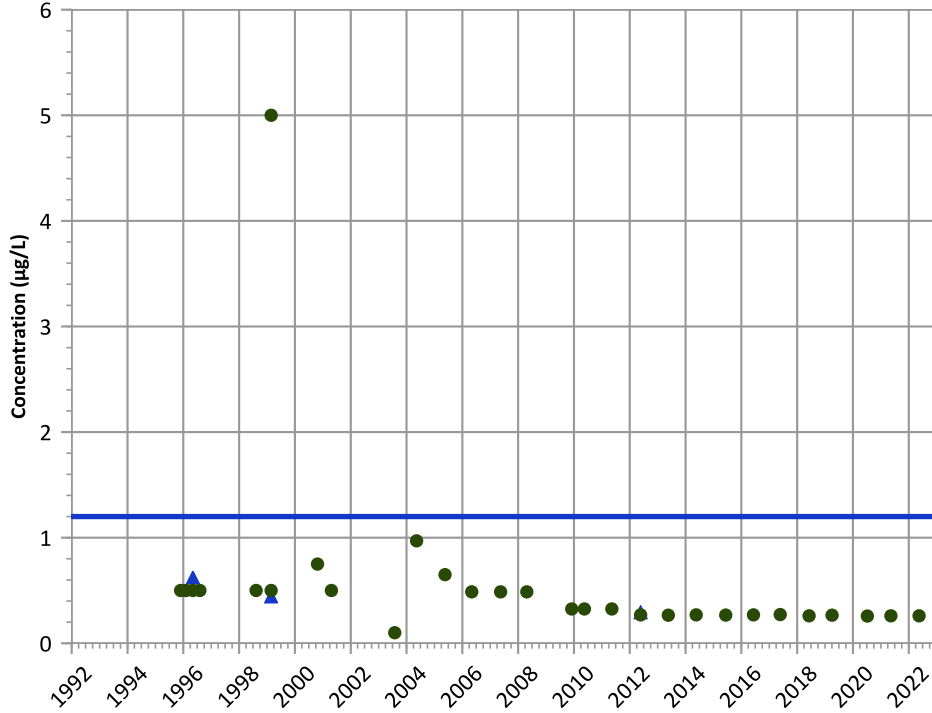
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

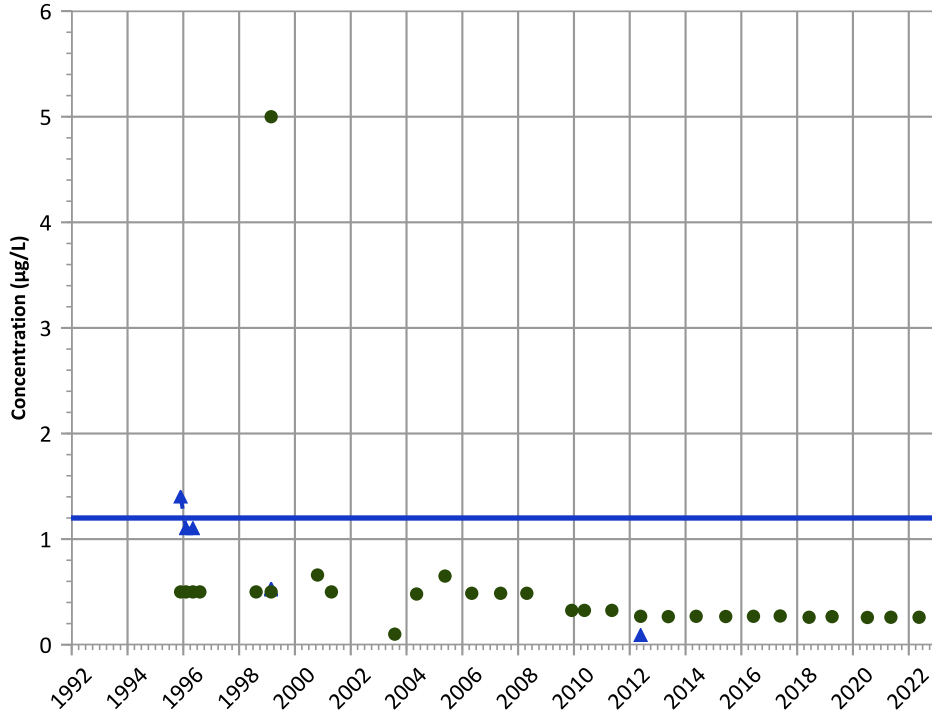


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

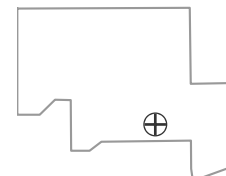
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

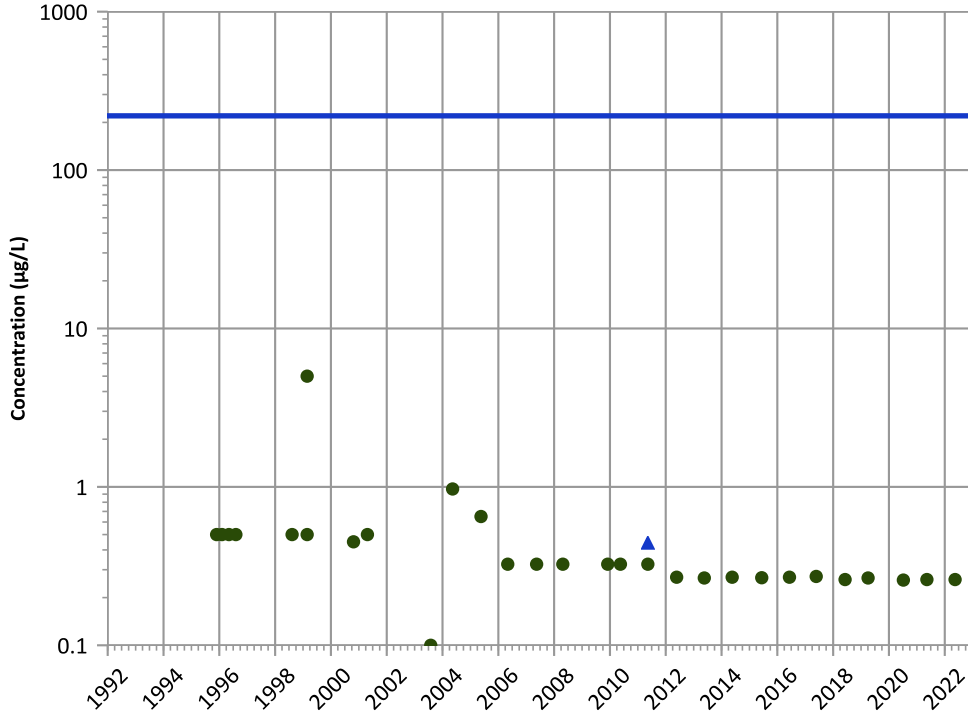
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

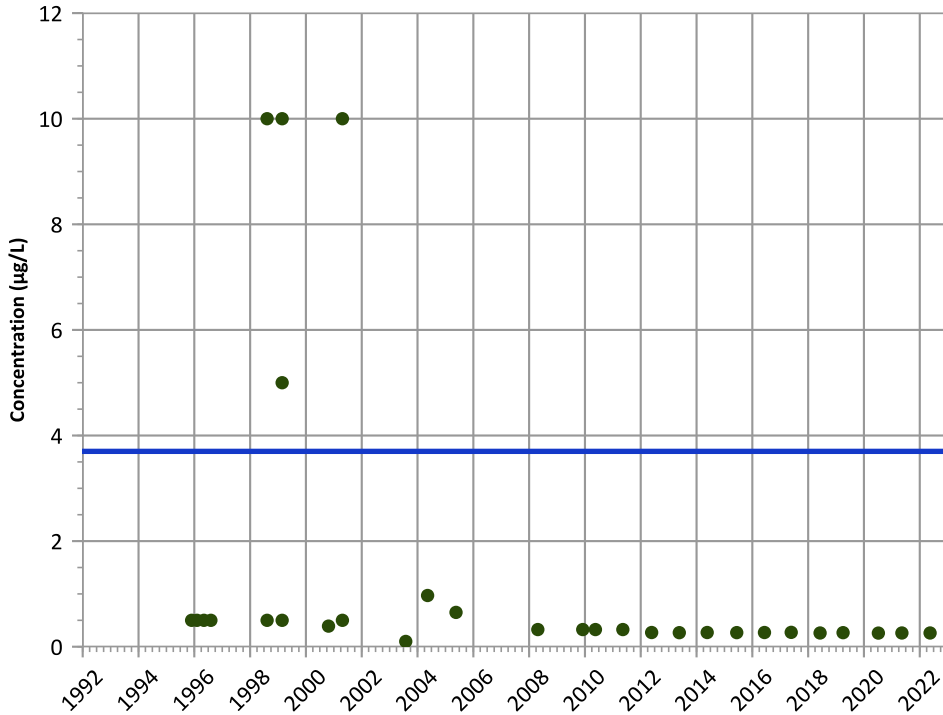


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

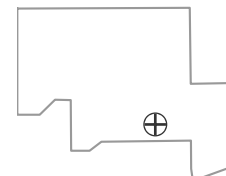
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

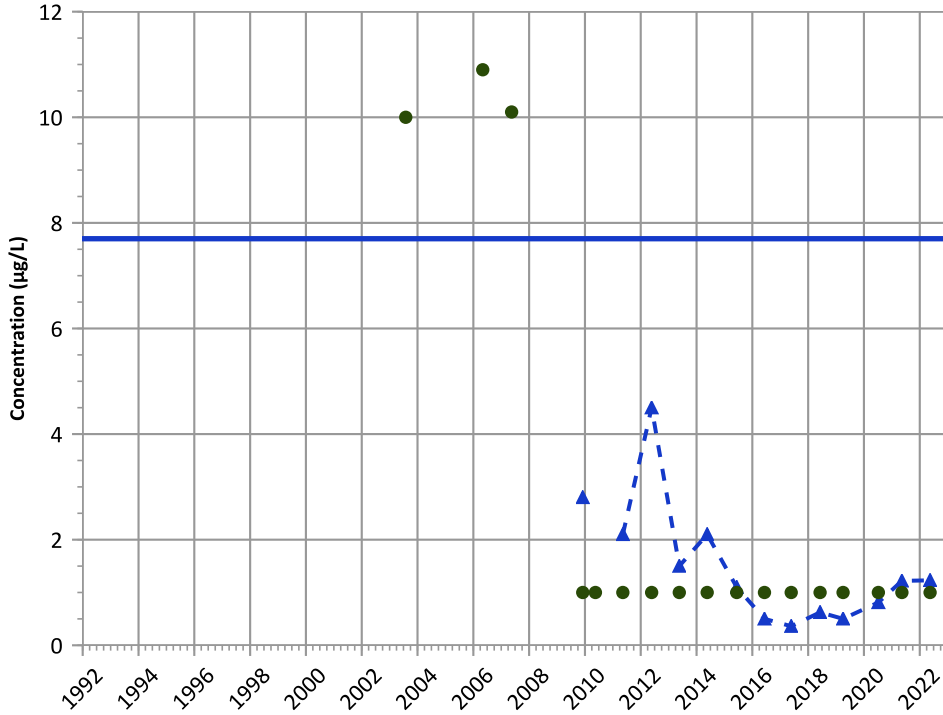
Well Location





PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

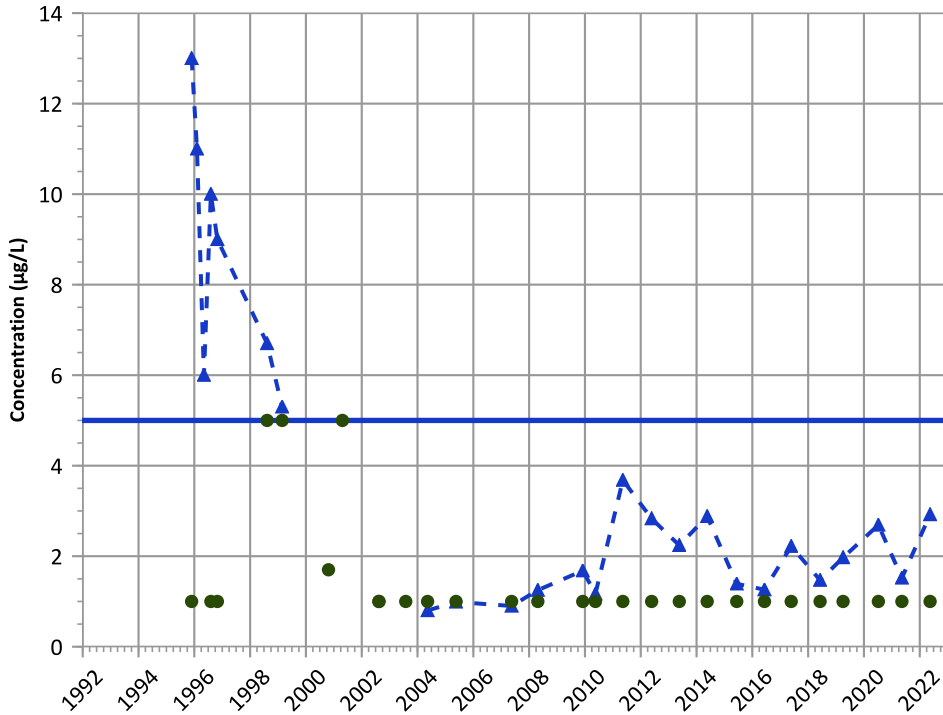


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

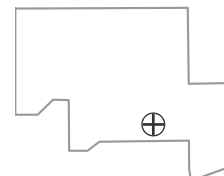
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

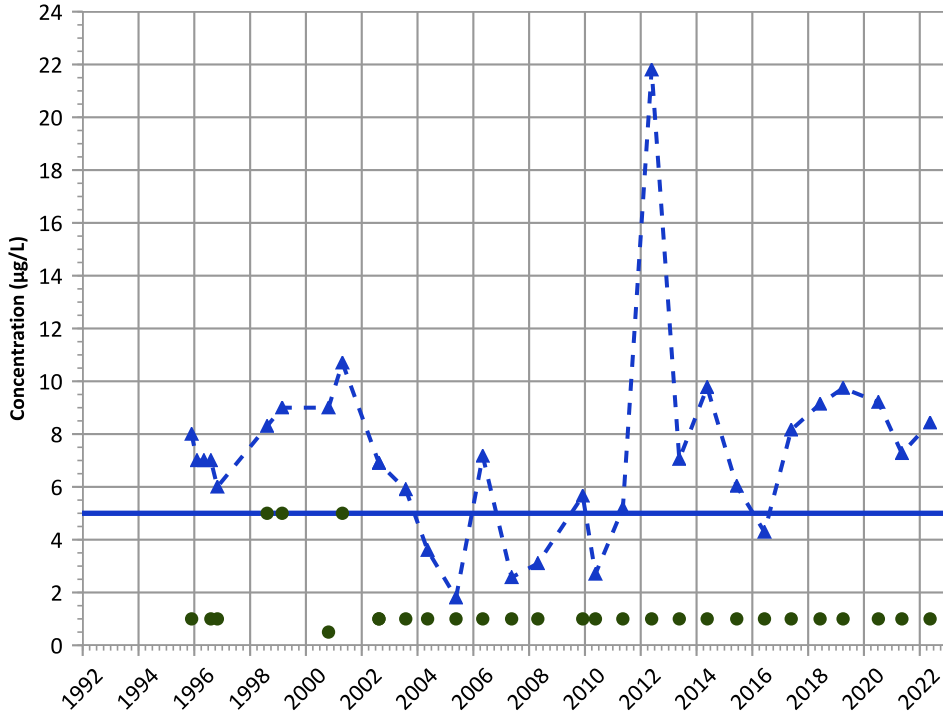
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

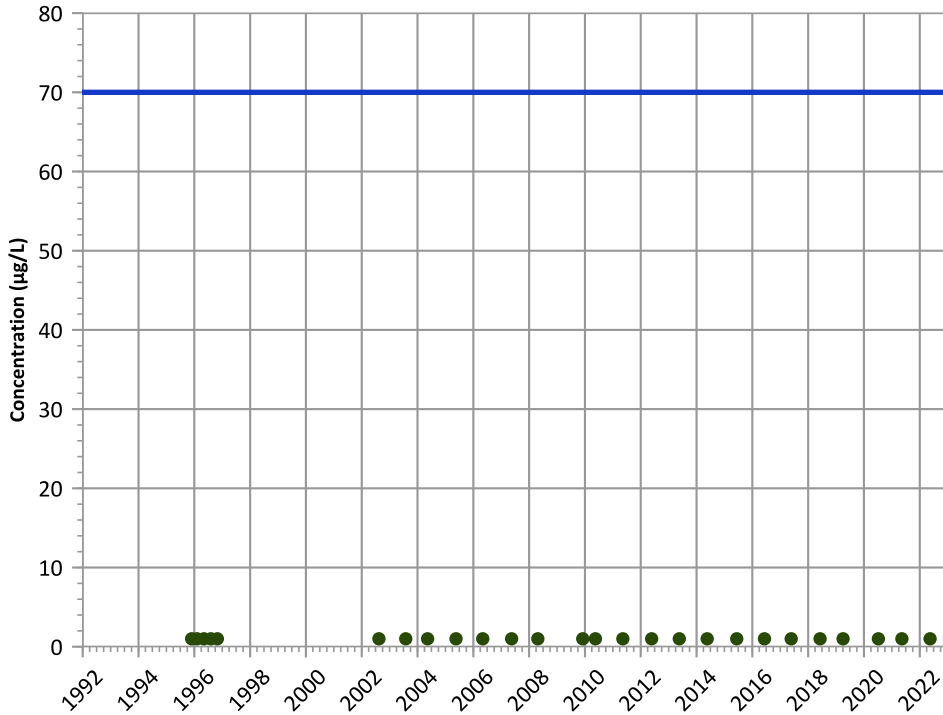
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

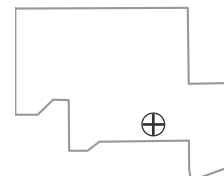
2020 - 2022 Data:

All Non-Detect

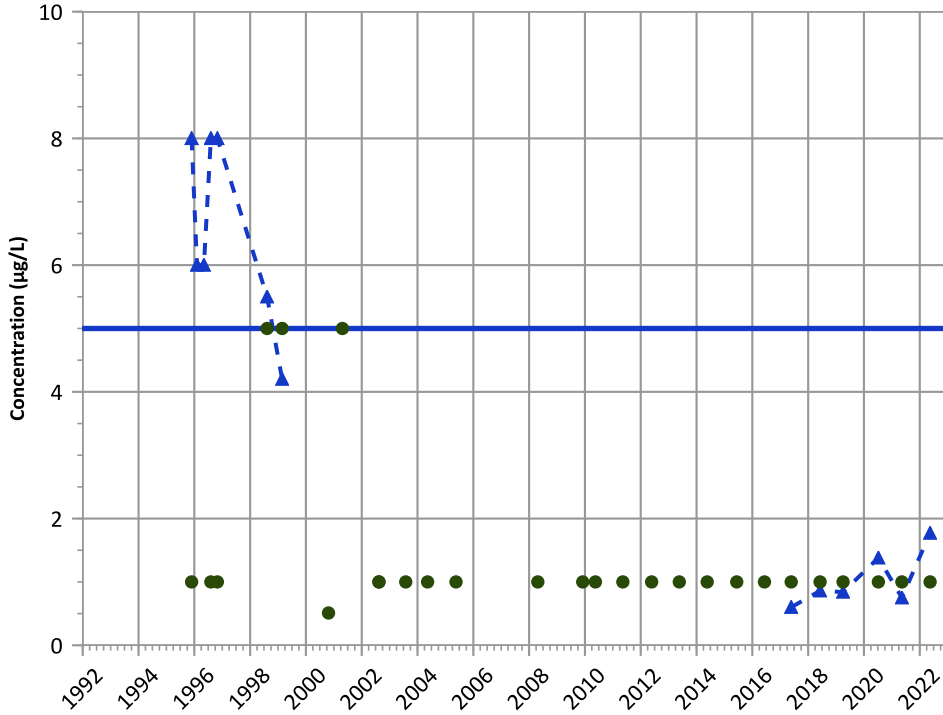
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

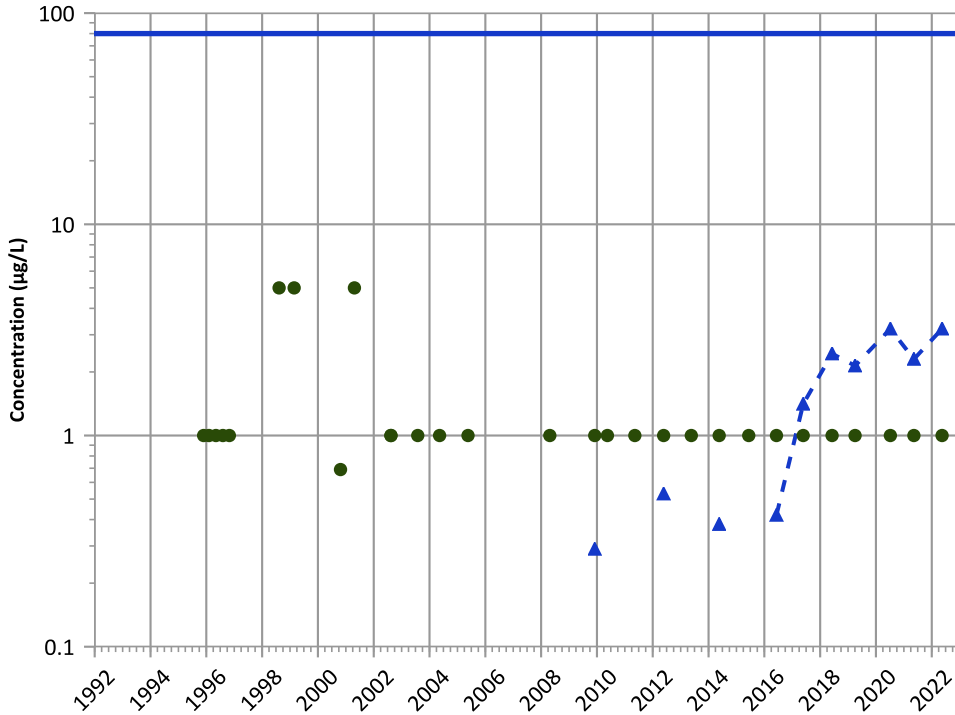


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**Chloroform Trend**



**Concentration Trend**

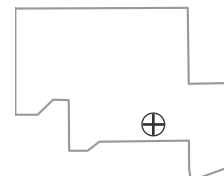
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

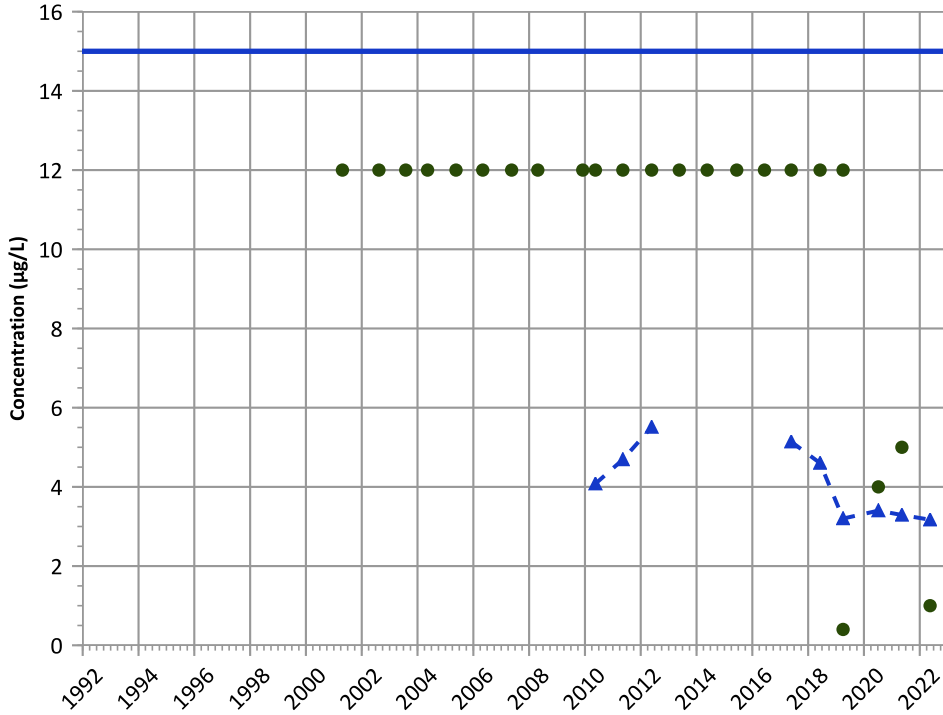
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

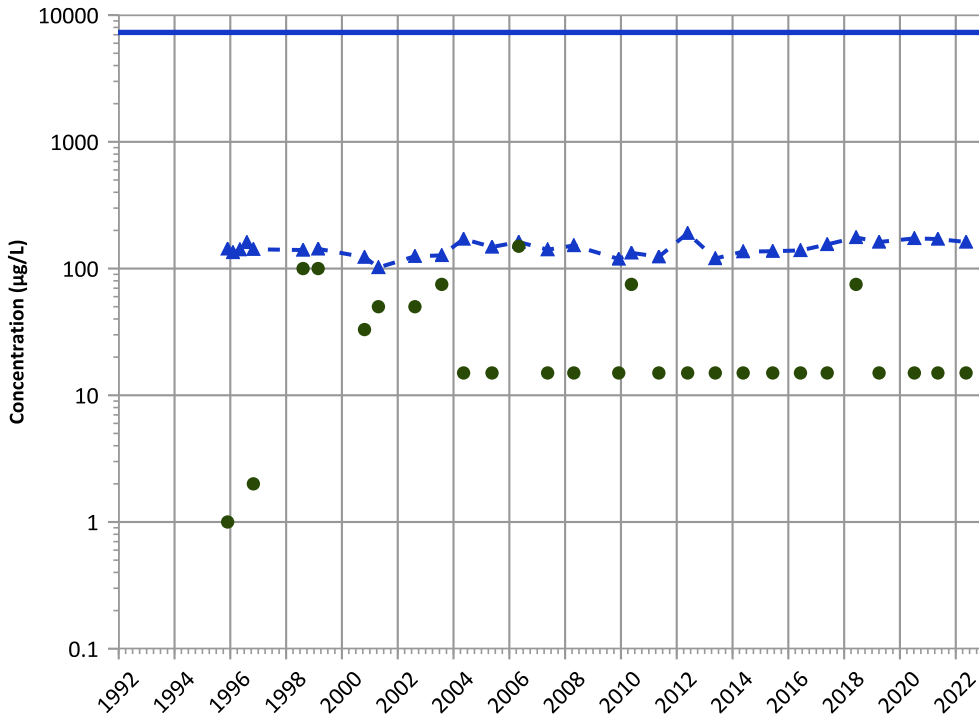


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Boron Trend



Concentration Trend

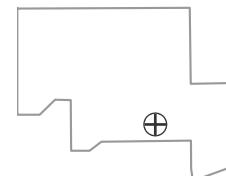
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

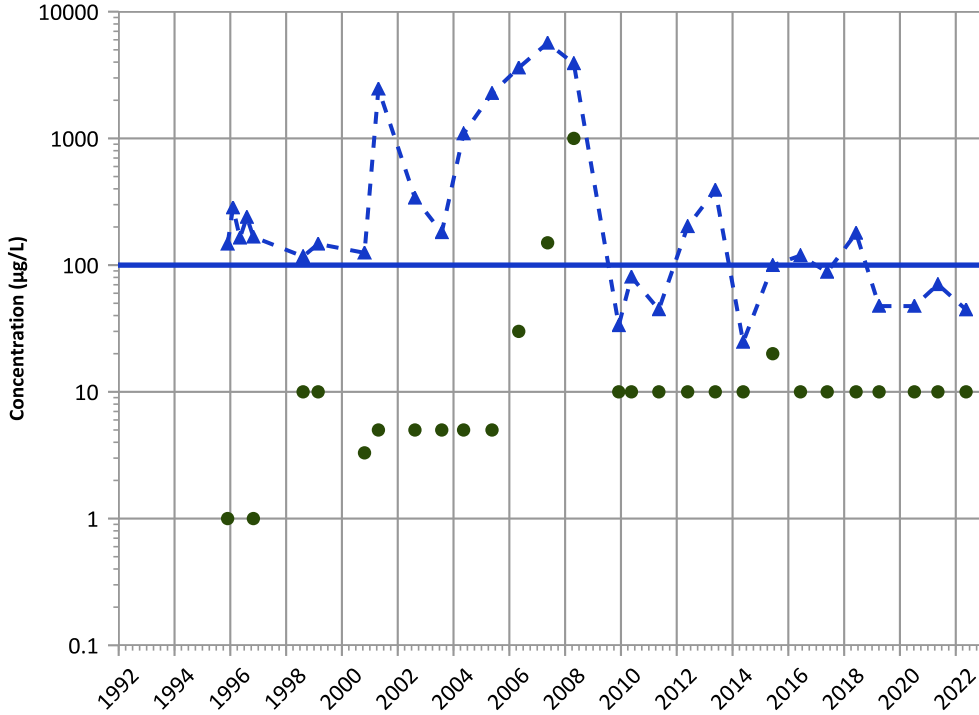
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

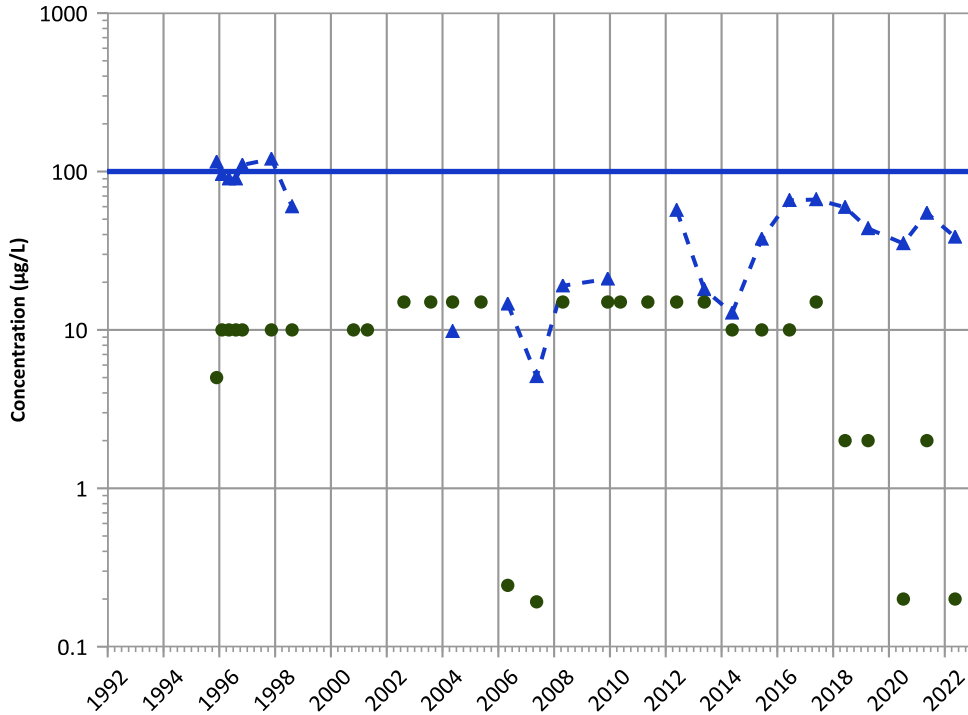


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend



Concentration Trend

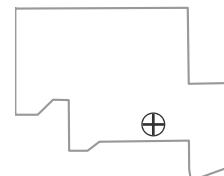
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

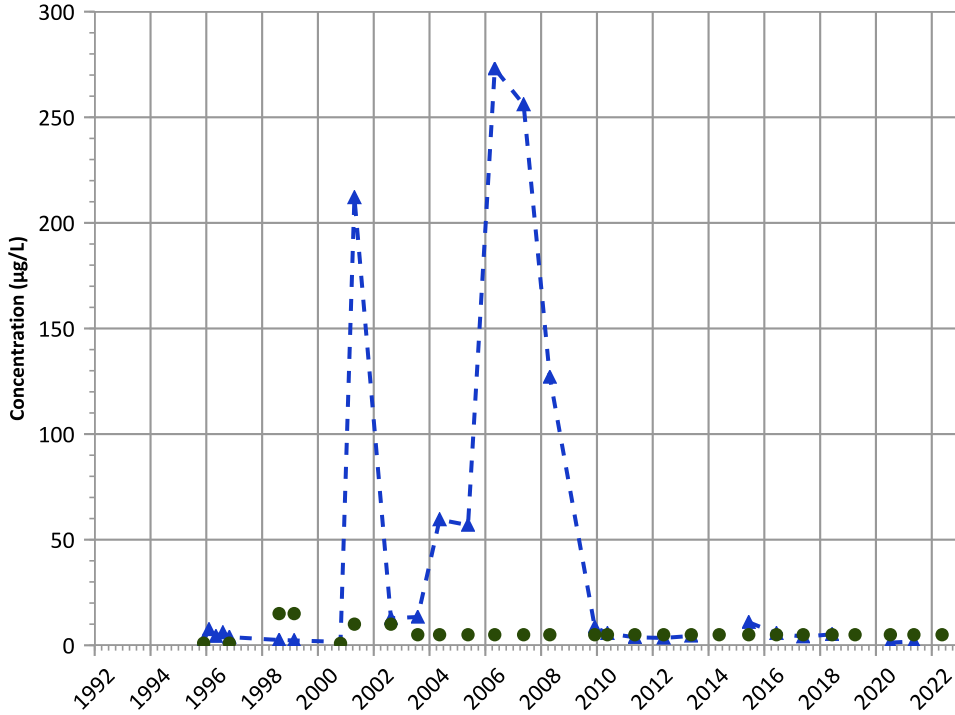
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

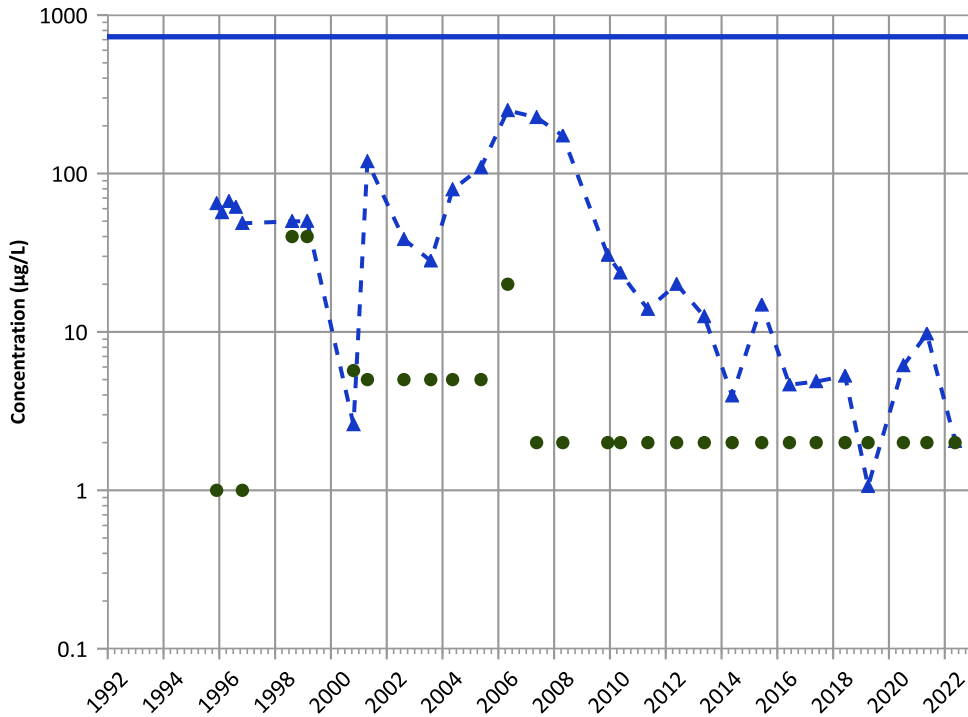


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Nickel Trend



Concentration Trend

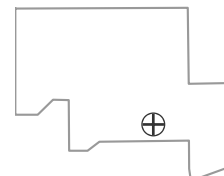
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

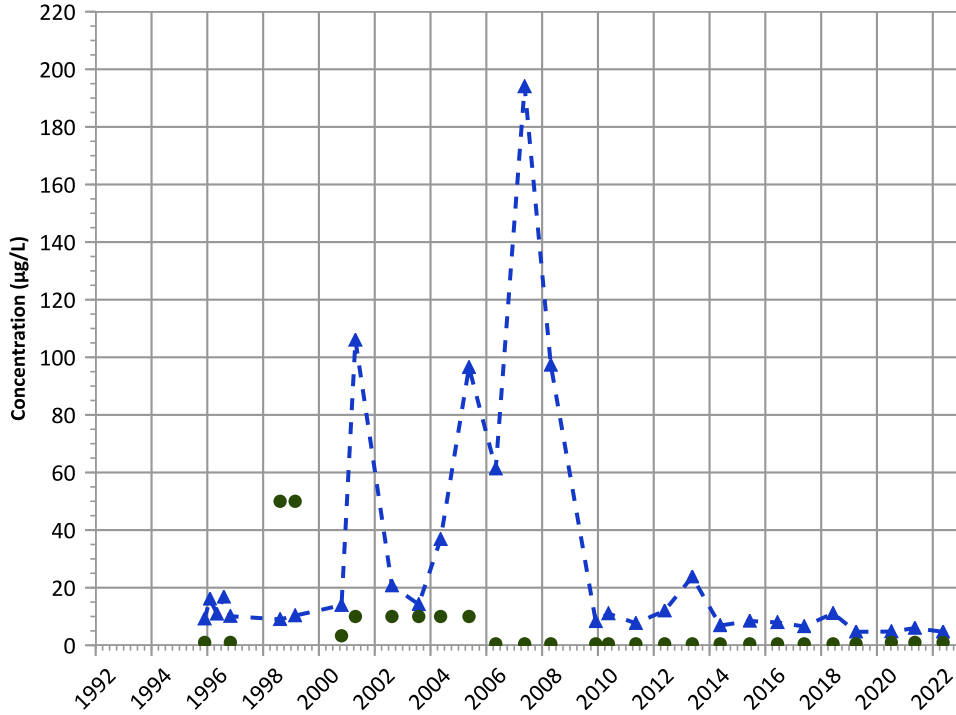
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

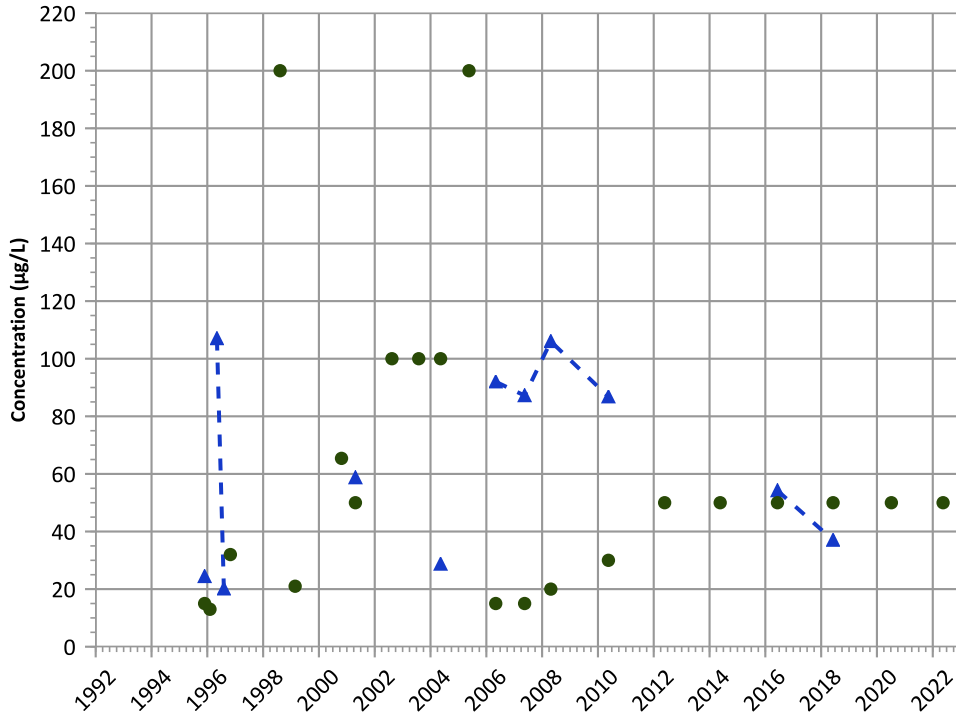


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

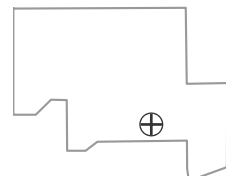
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

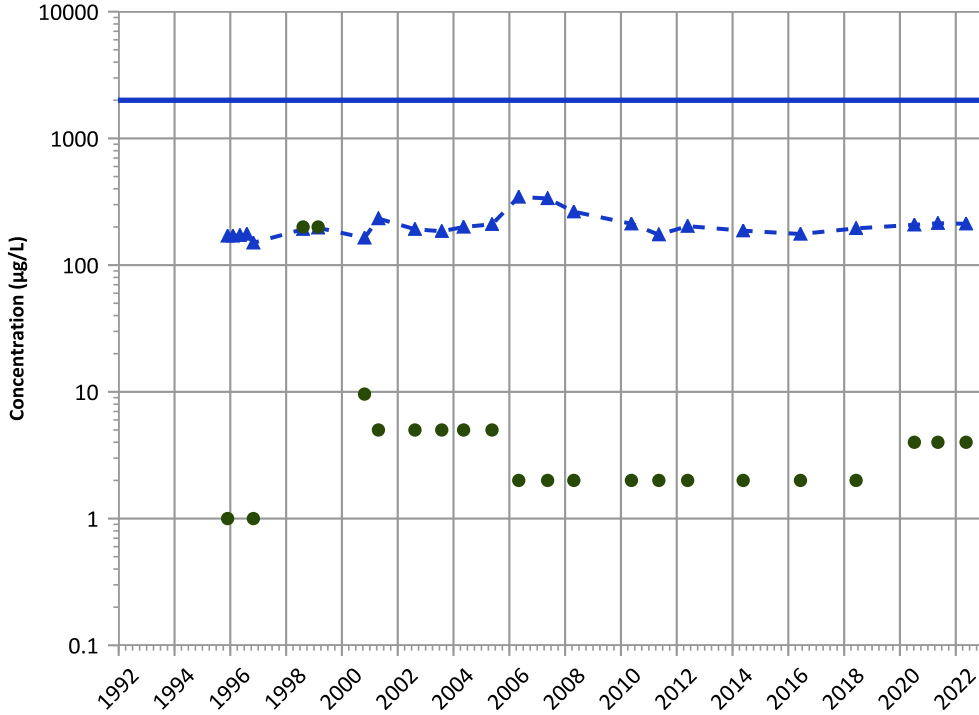
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

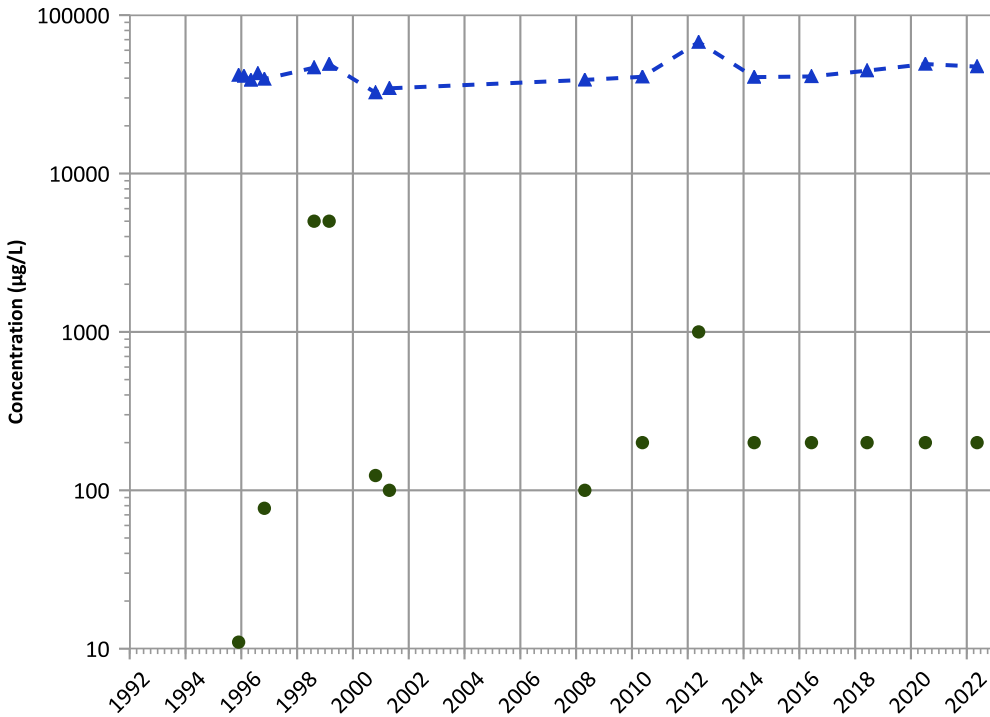


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Calcium Trend



Concentration Trend

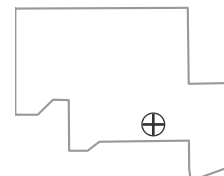
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

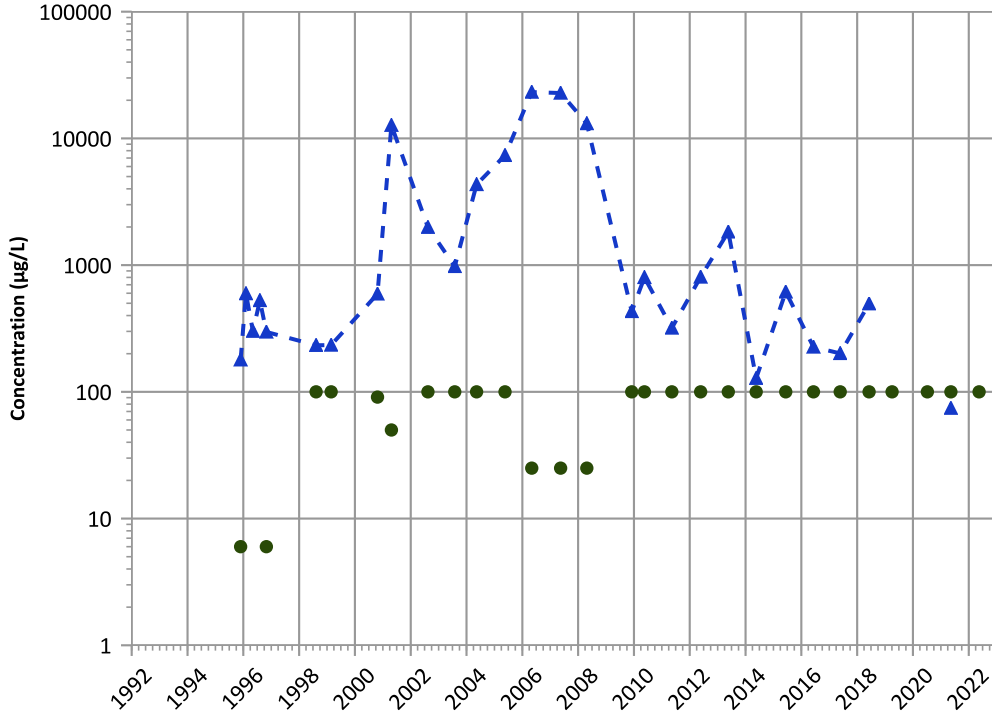
Well Location





PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

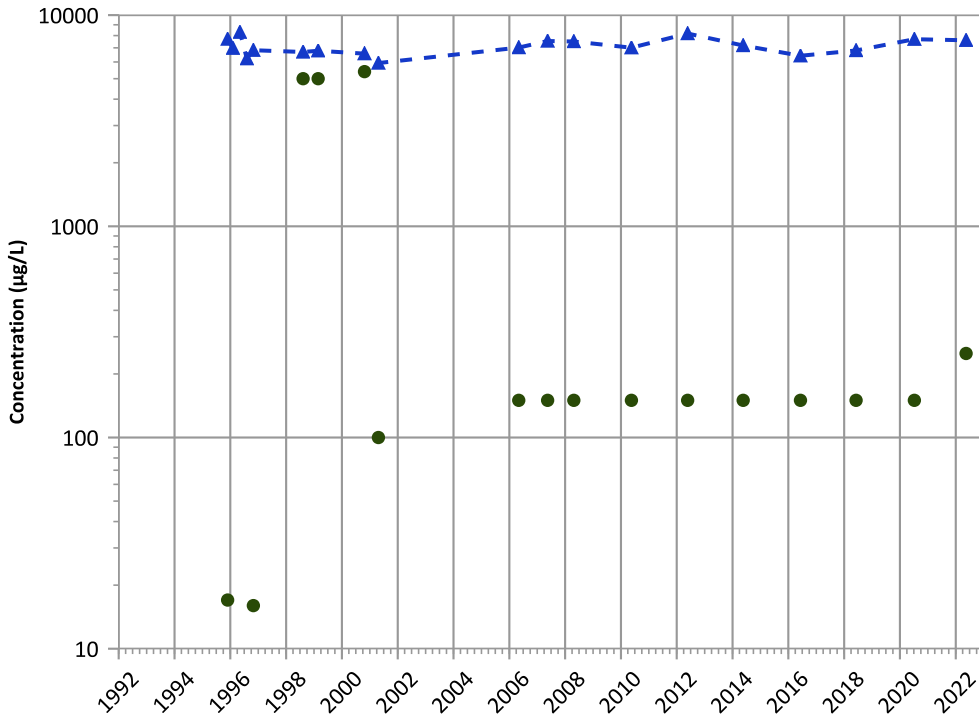
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

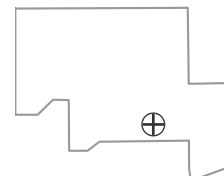
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

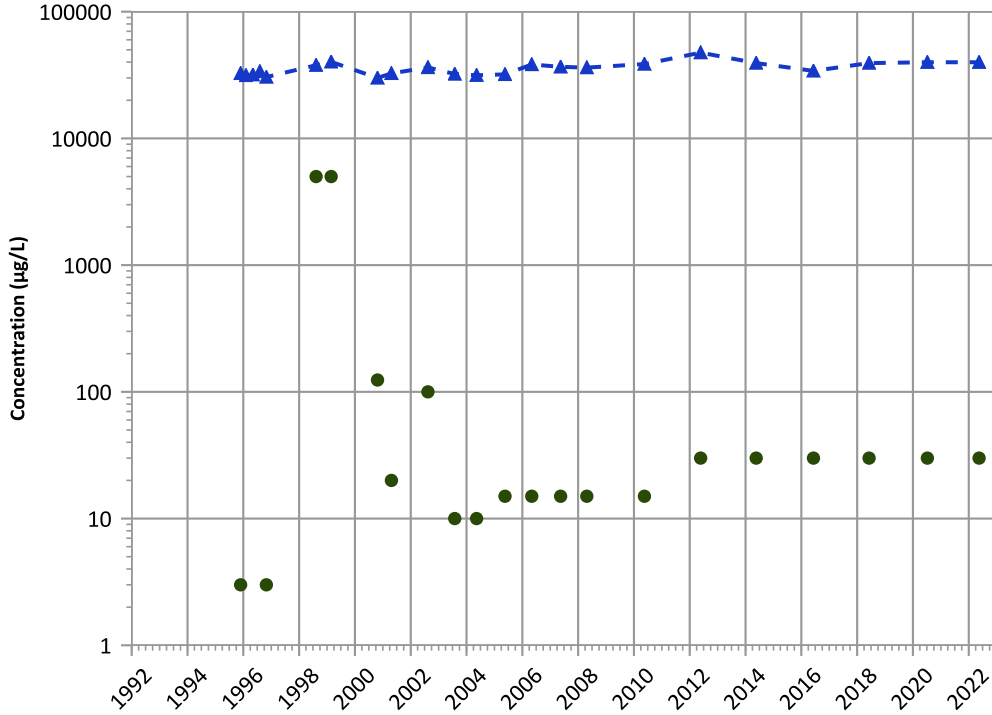
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

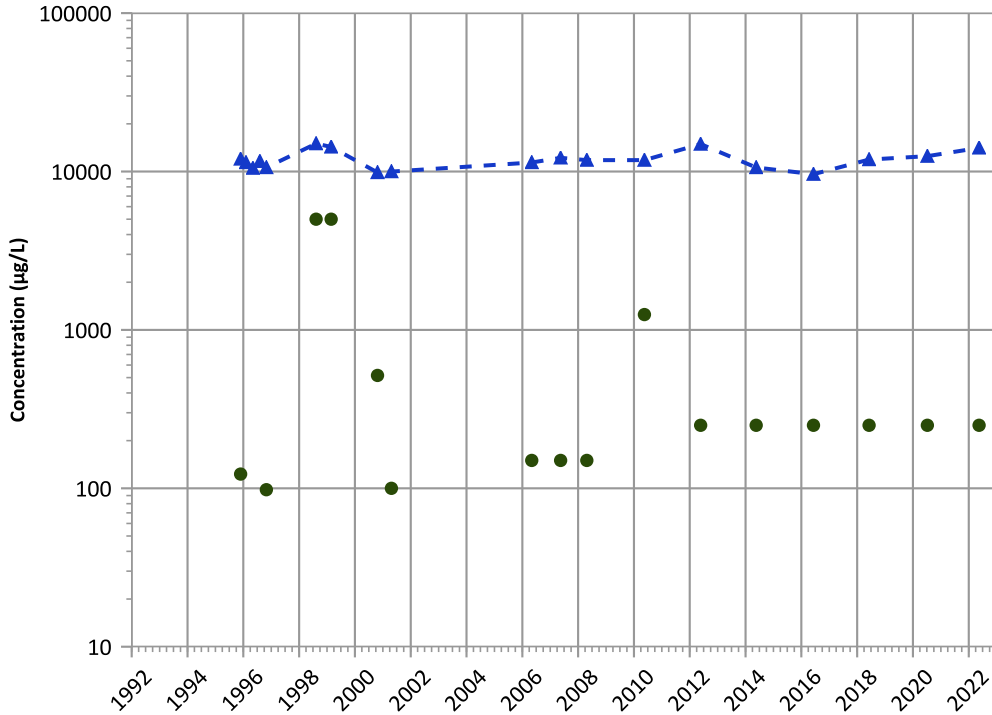
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

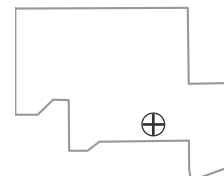
2020 - 2022 Data:

Increasing

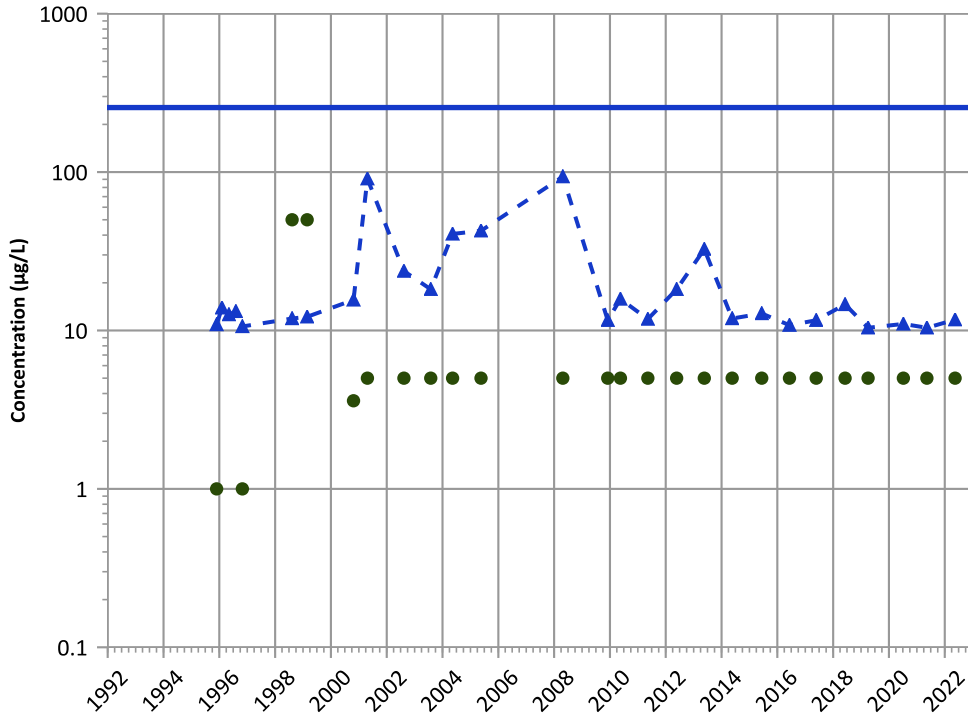
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/27/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

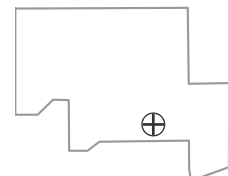
MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 Probably Decreasing  
 2020 - 2022 Data:  
 No Trend

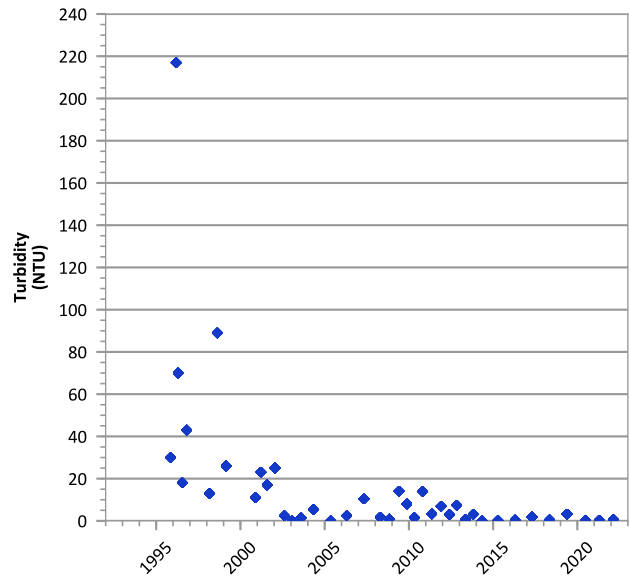
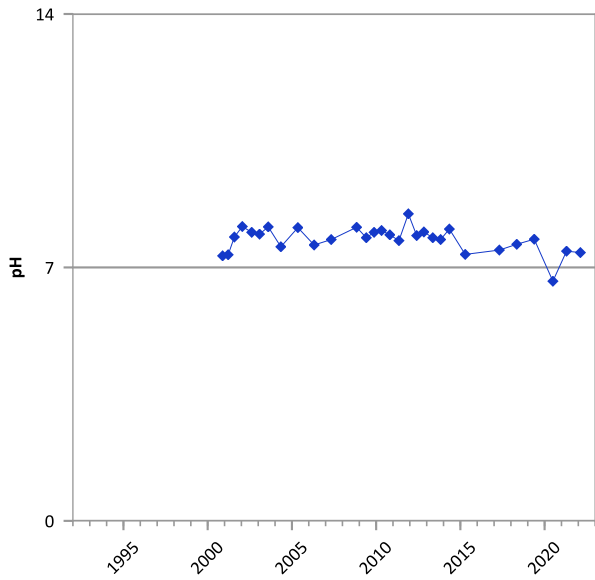
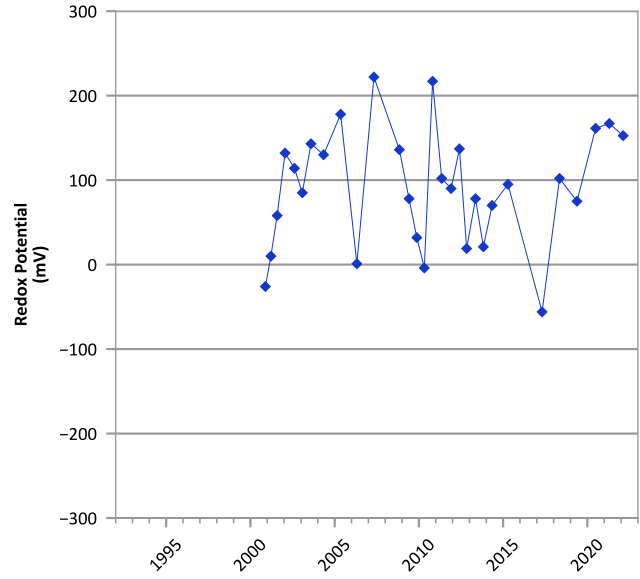
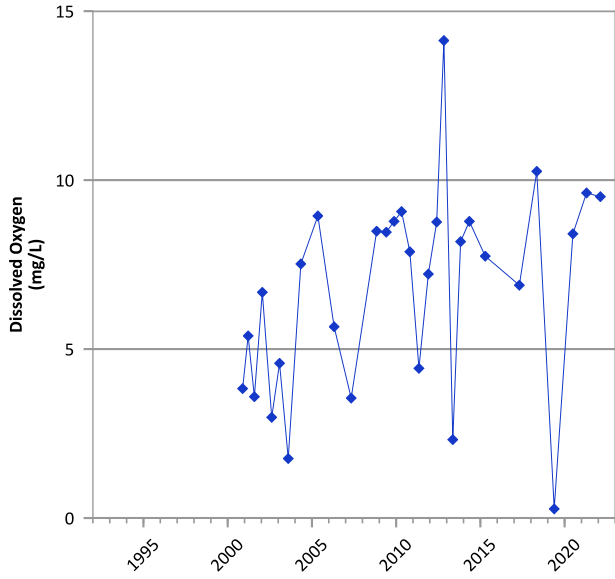
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/27/1995 to 05/16/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

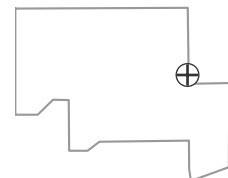


**PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



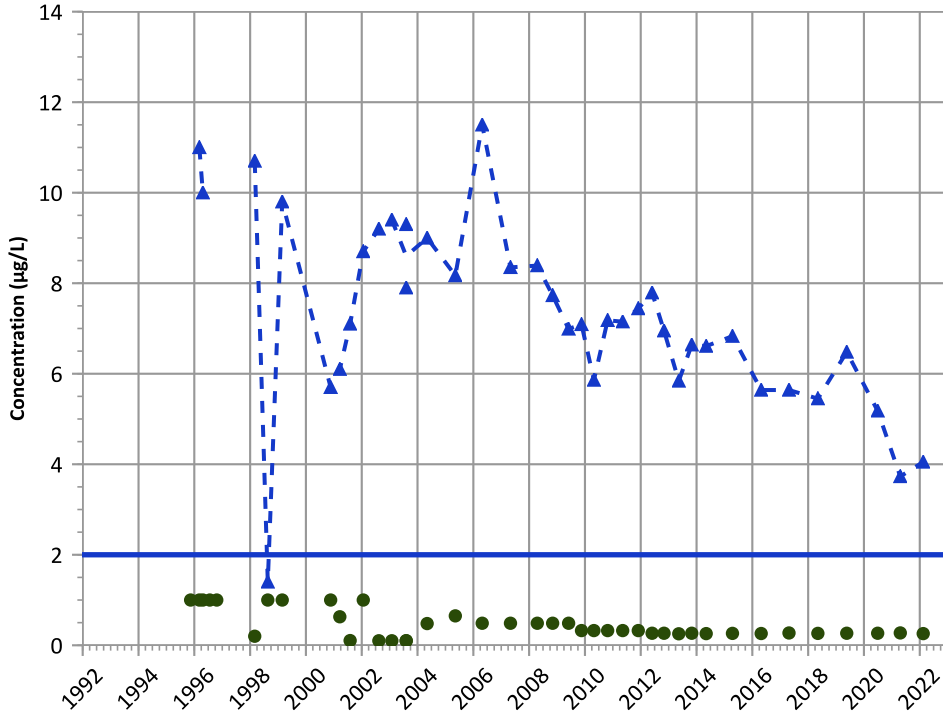
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/14/1995 to 02/15/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

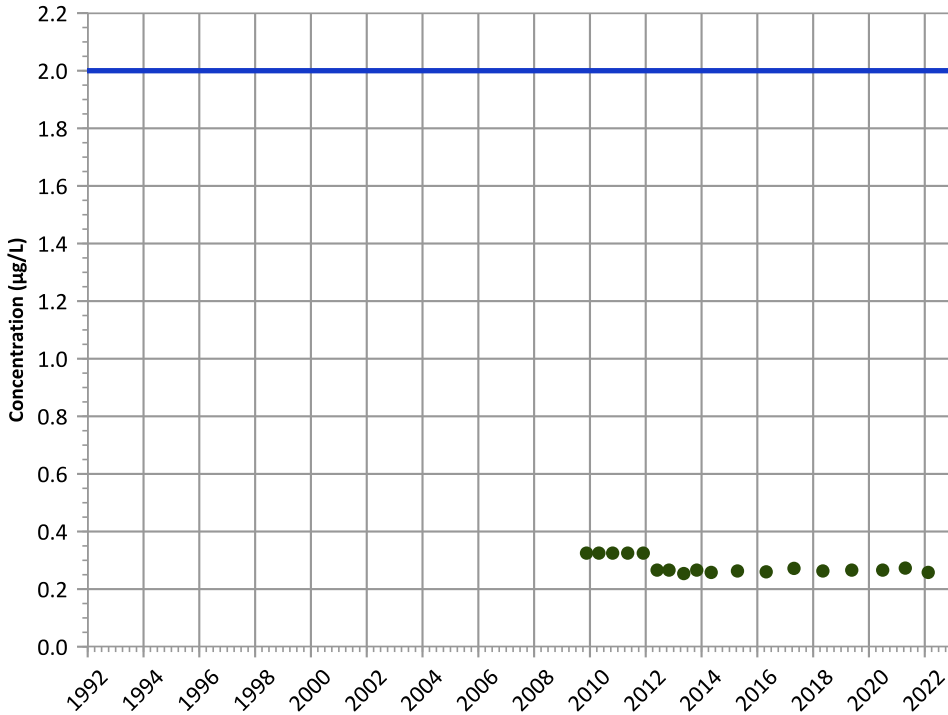


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

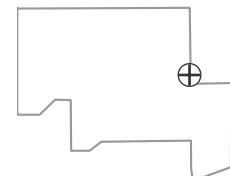
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

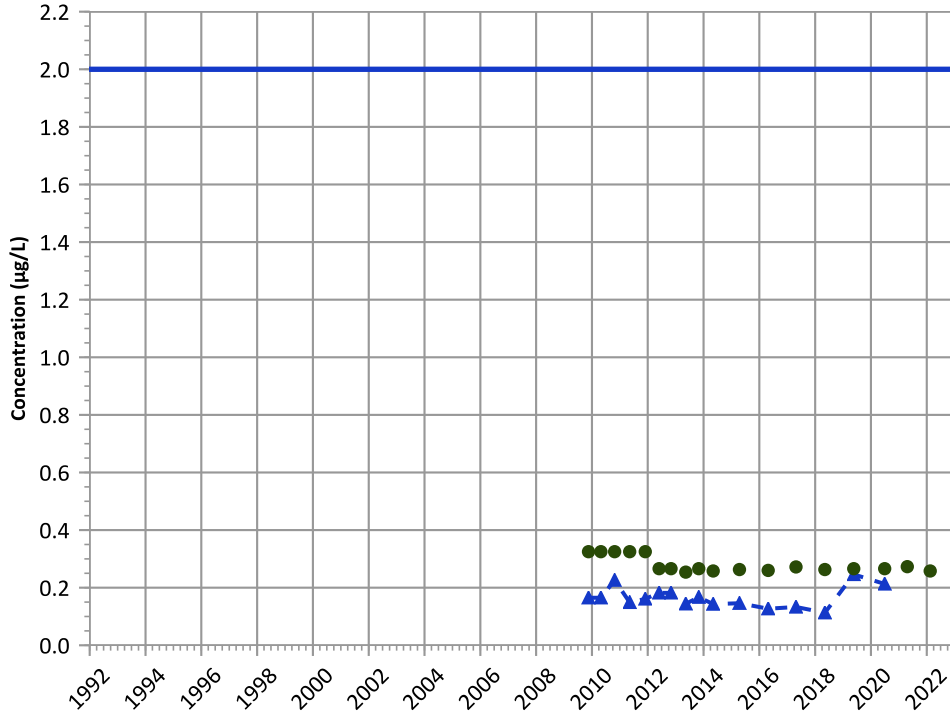
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

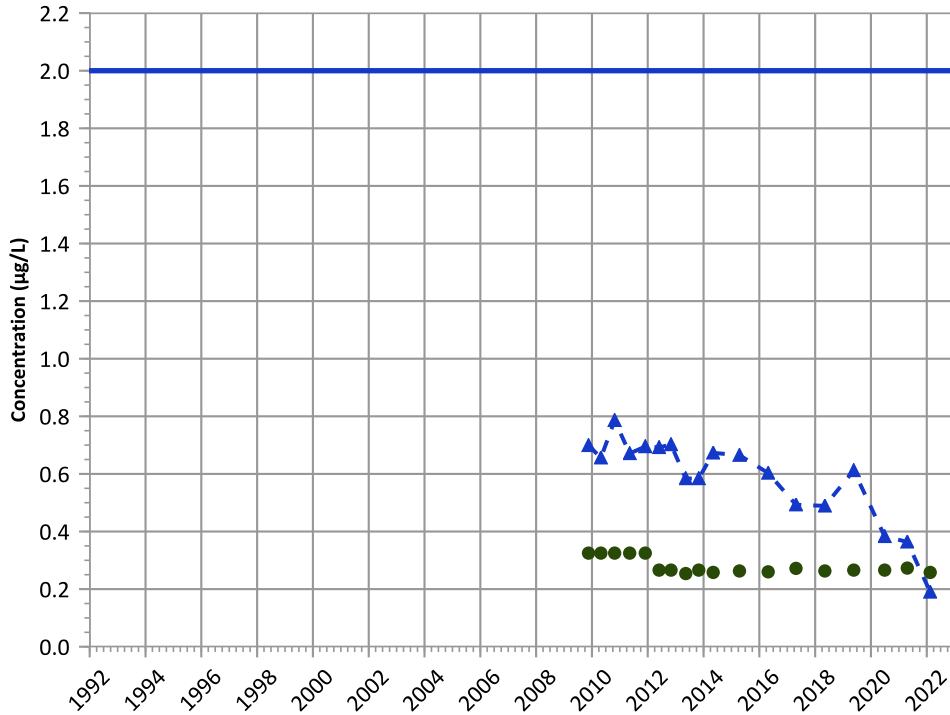


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

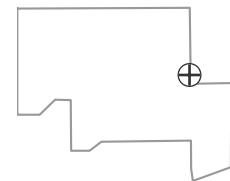


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Well Location**

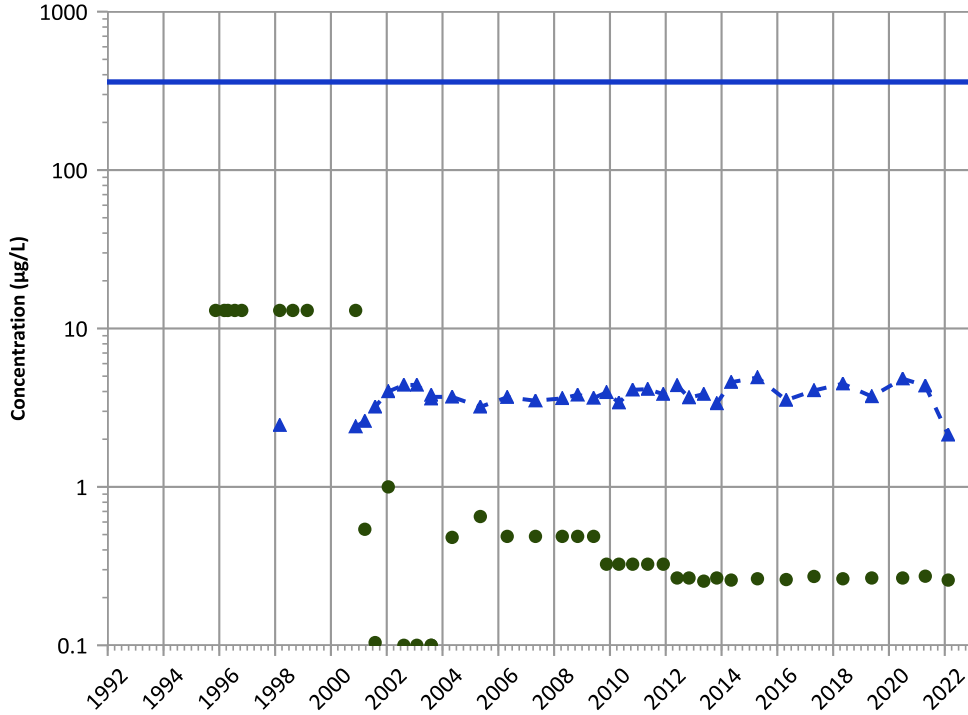


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

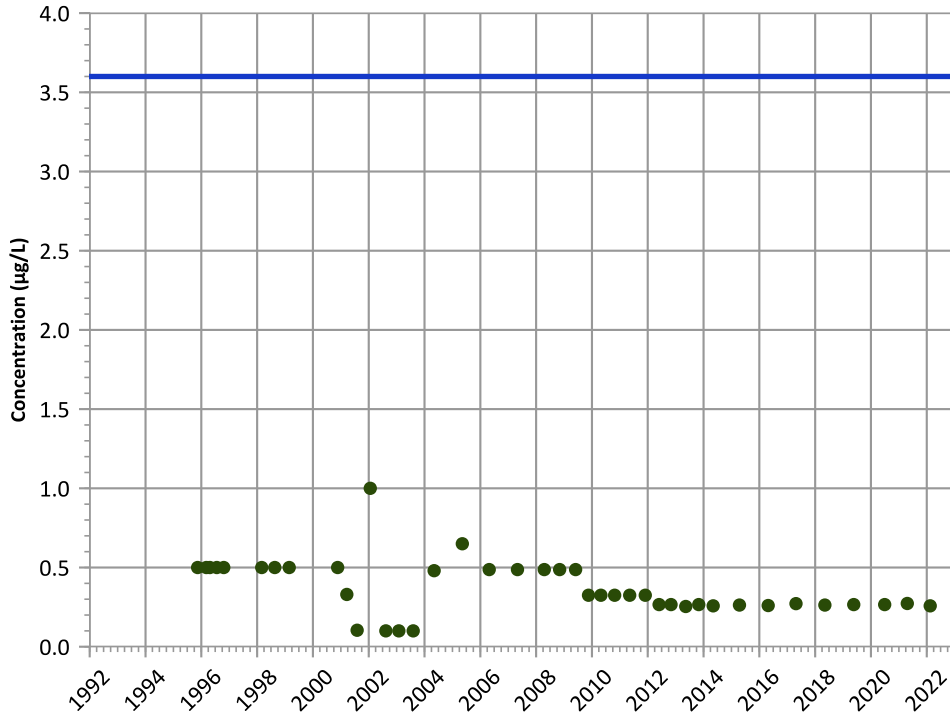


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

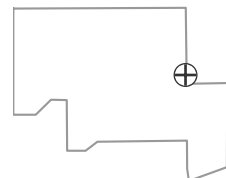
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

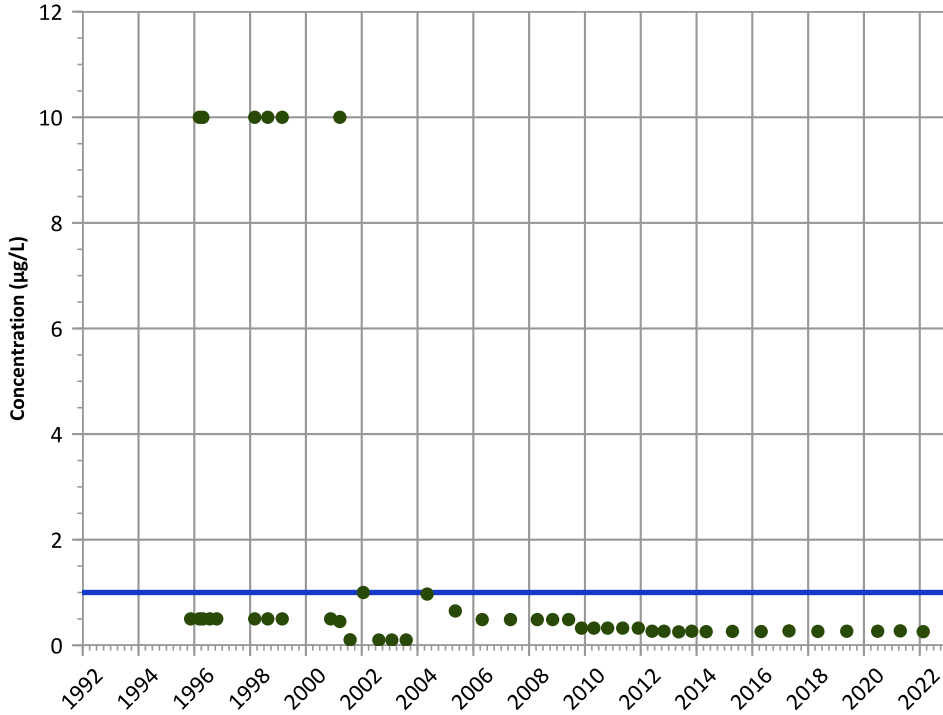
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

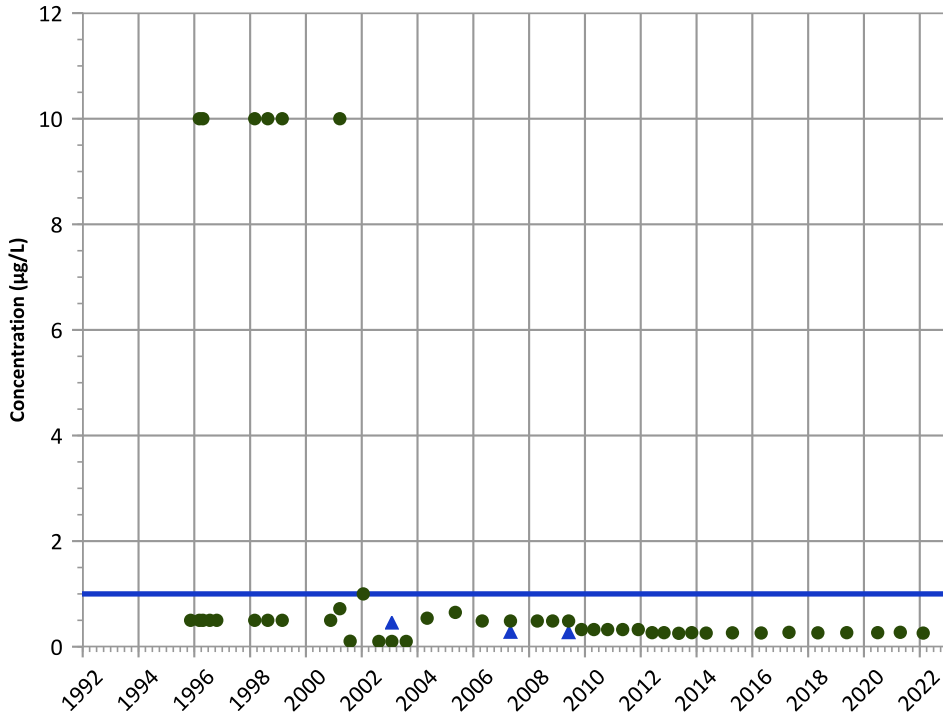
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

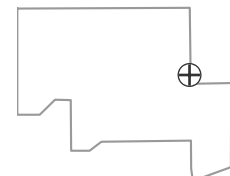
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

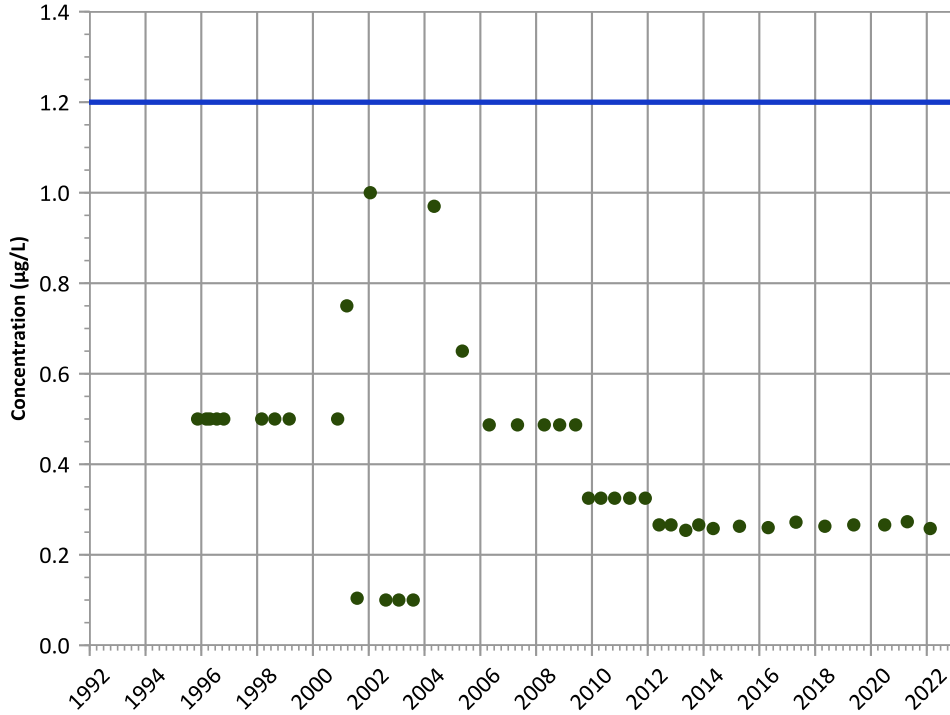
**Well Location**





PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

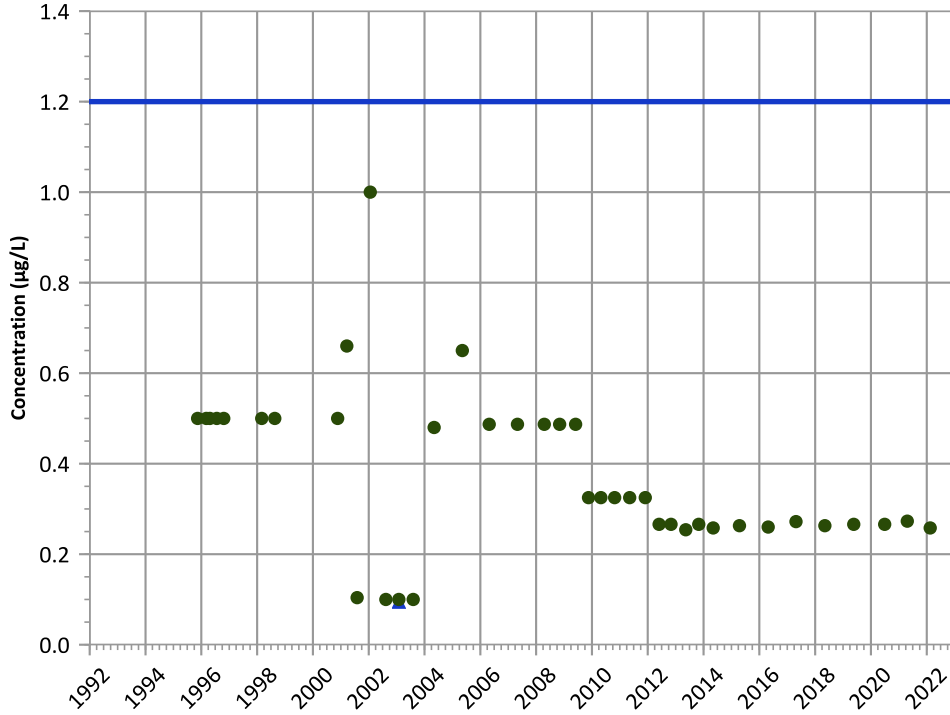
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

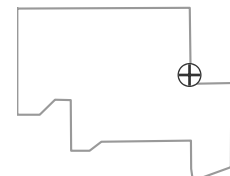
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 11/14/1995 to 02/15/2022

Analysis Date: 04/27/2023

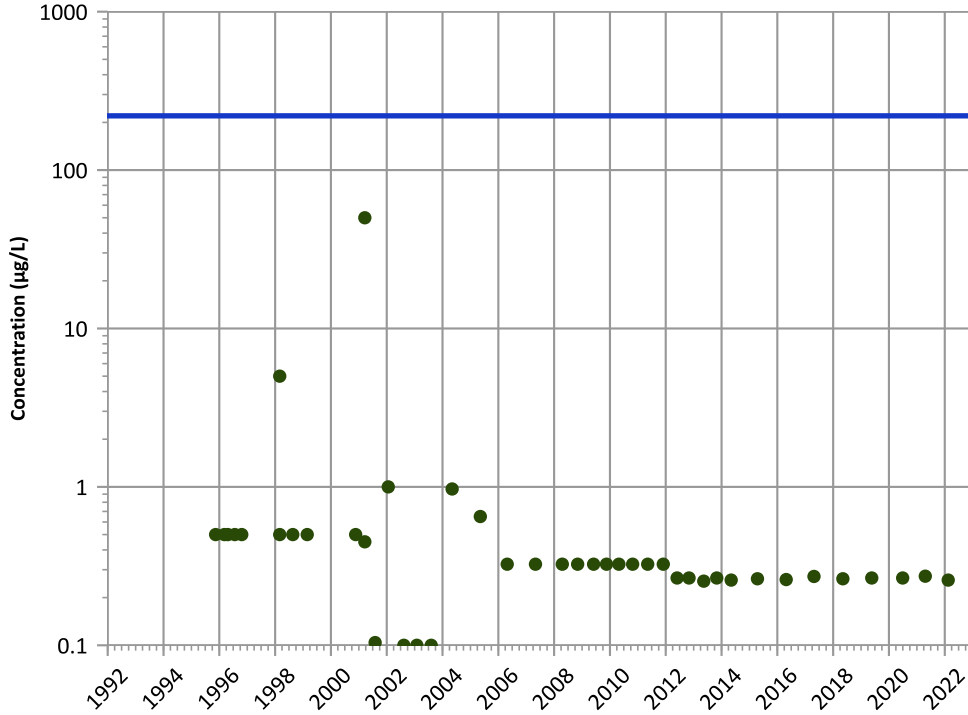
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

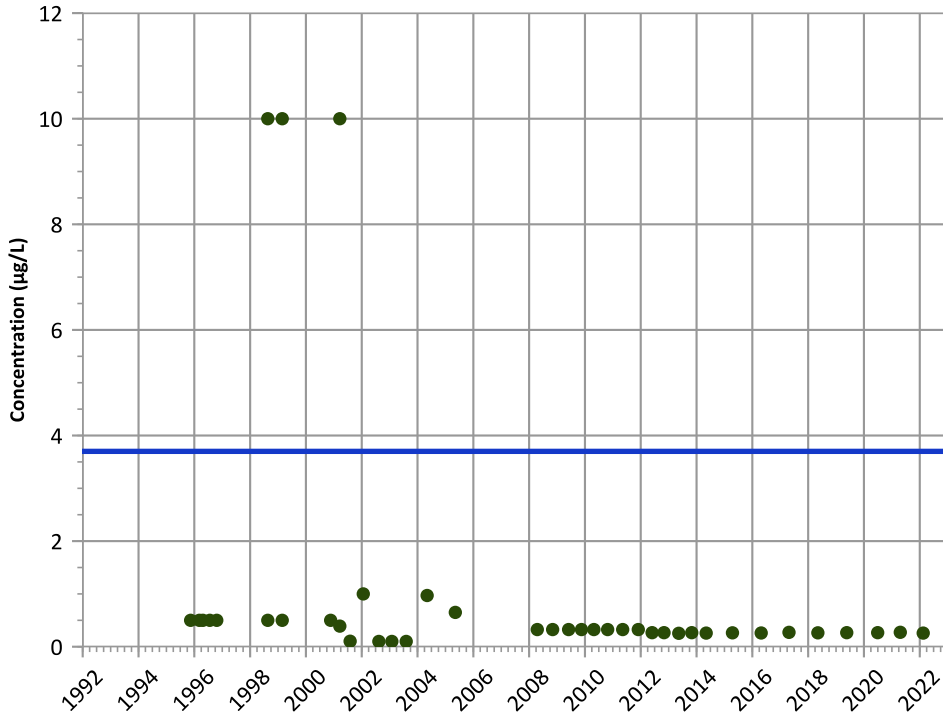
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

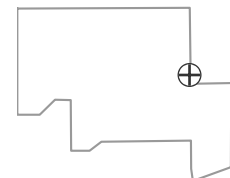
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

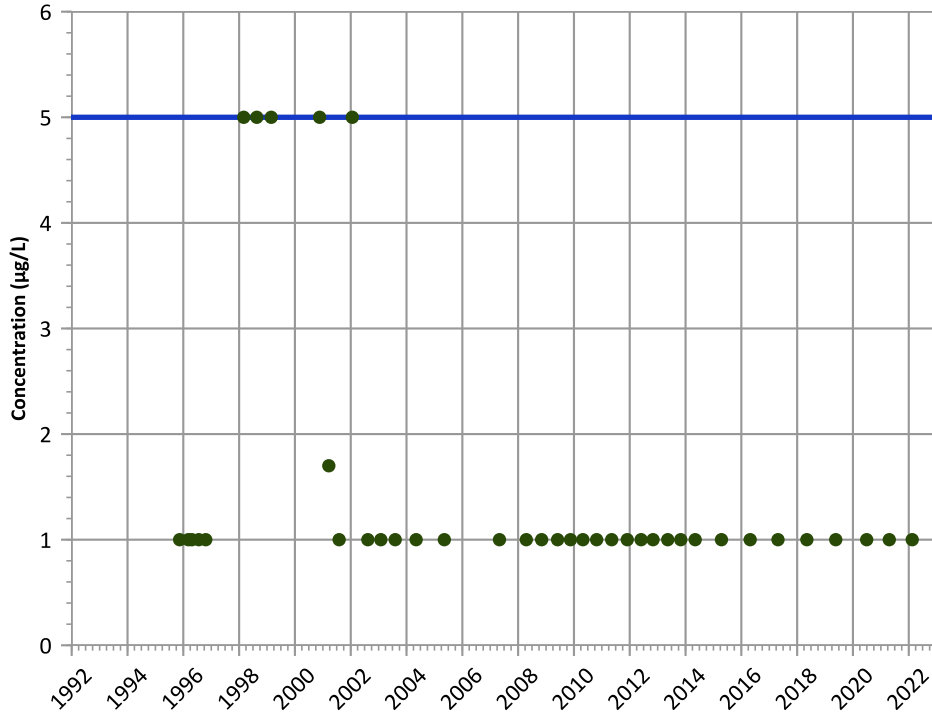
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

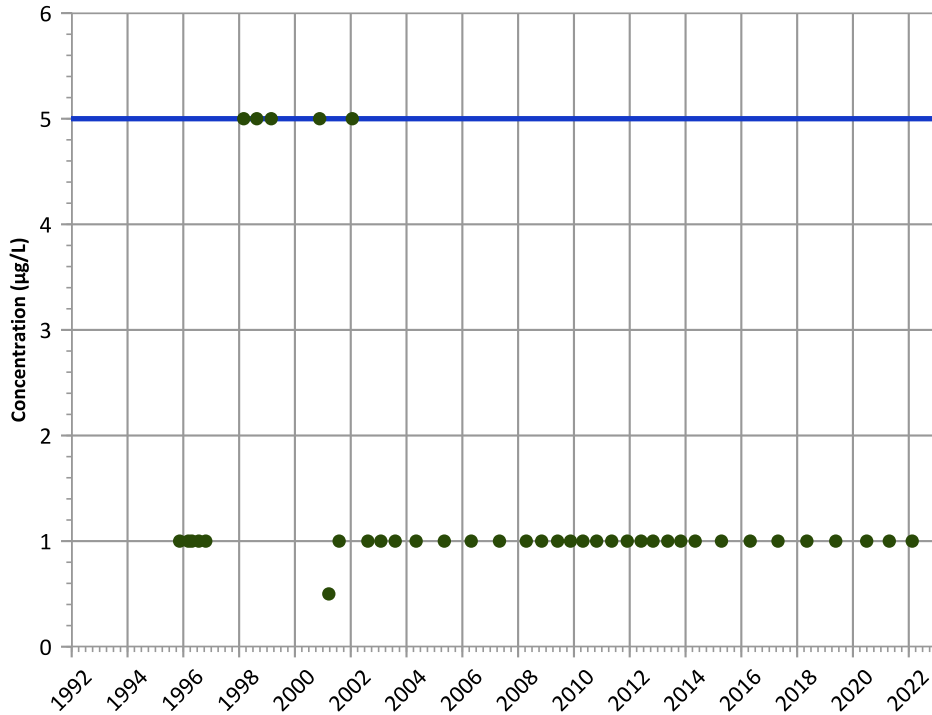
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

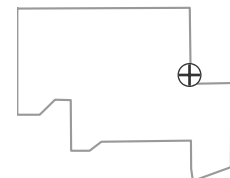
2020 - 2022 Data:

All Non-Detect

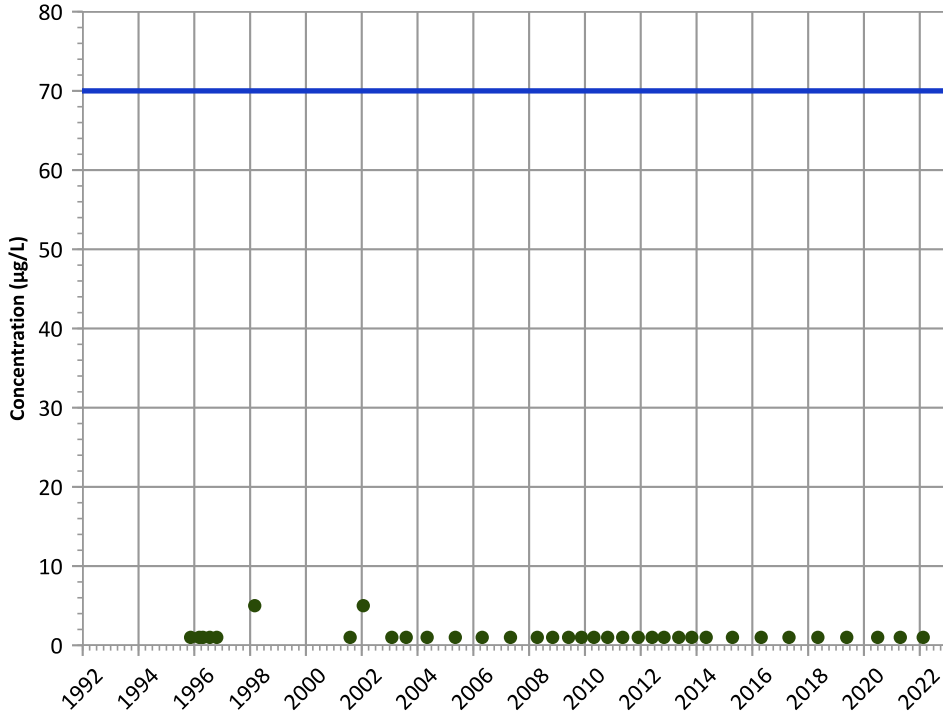
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

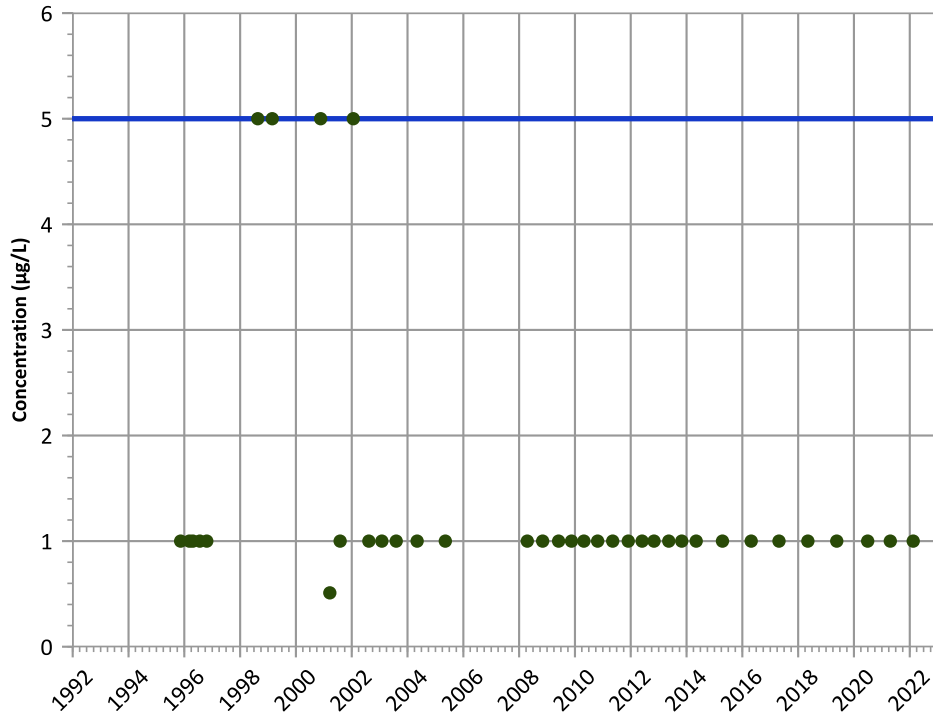
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

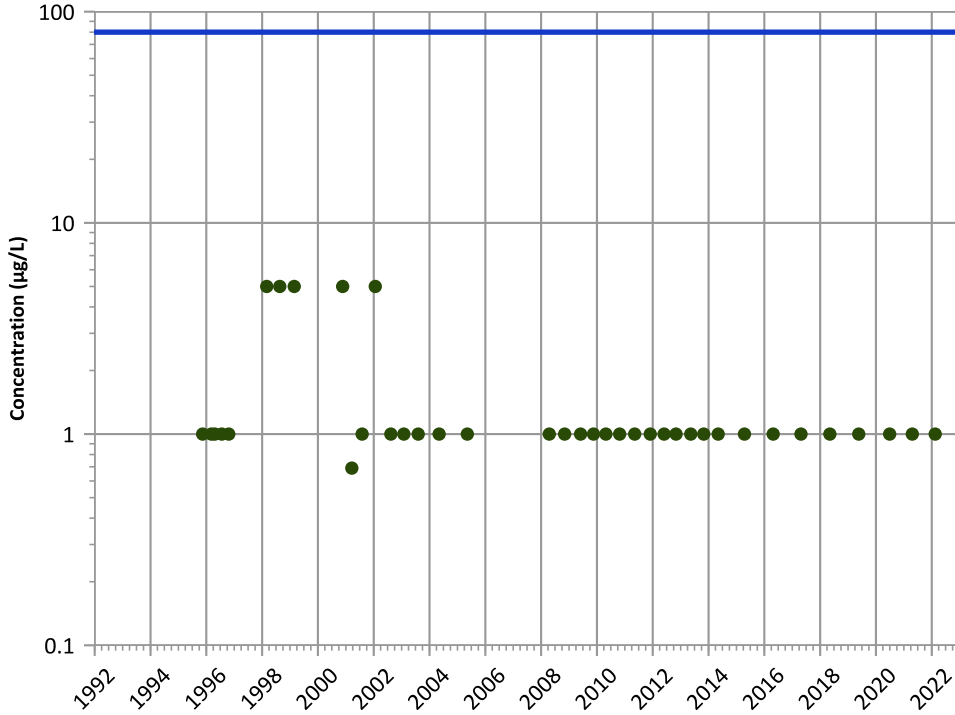
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

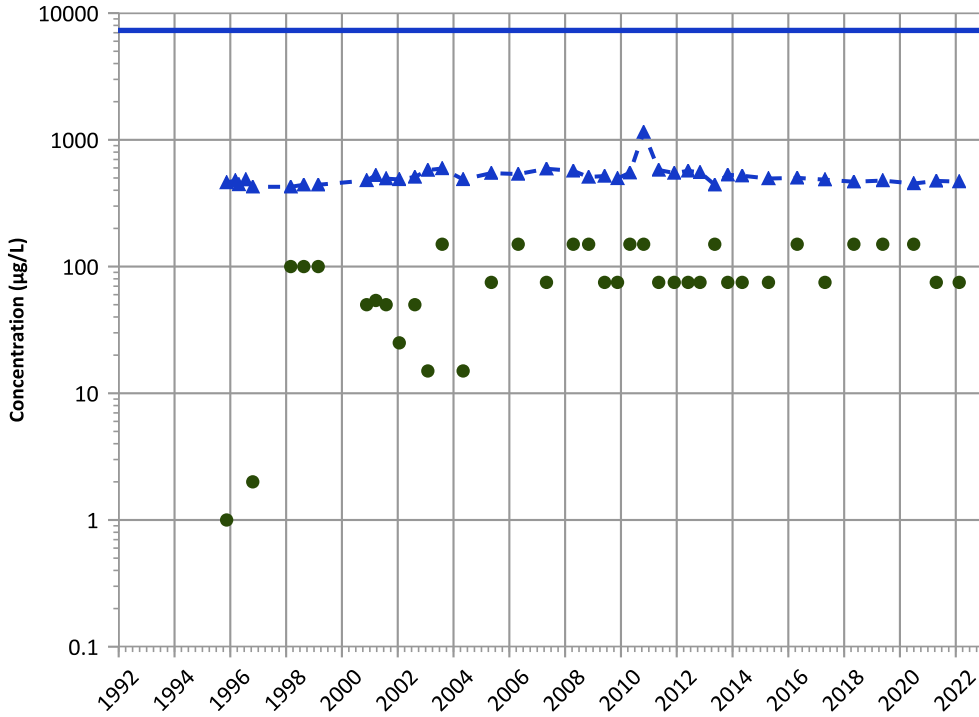
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

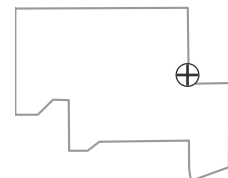
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

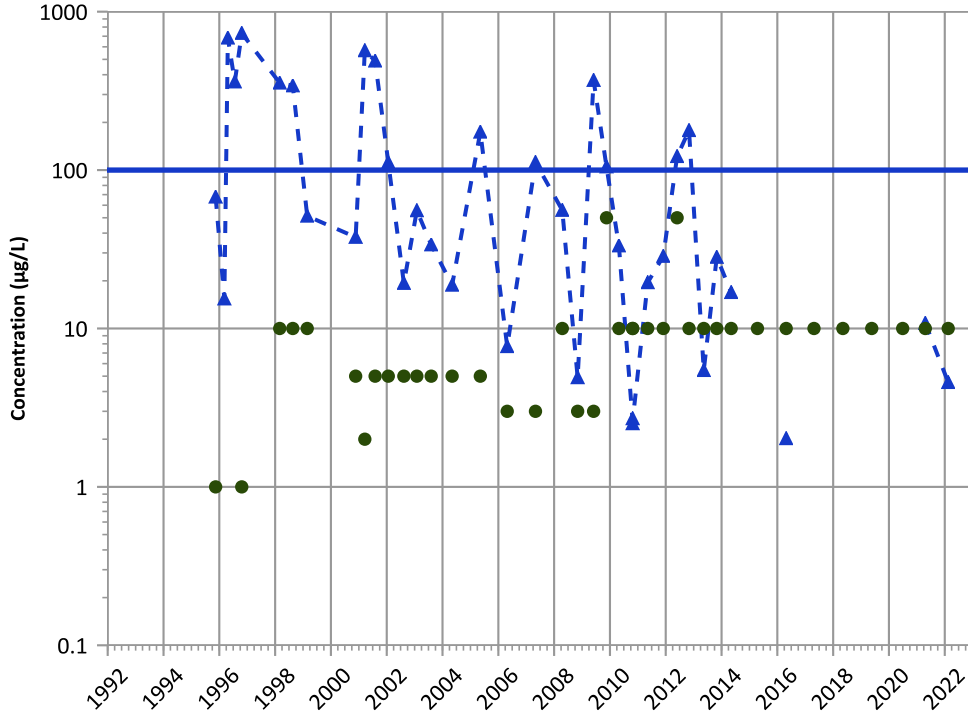
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

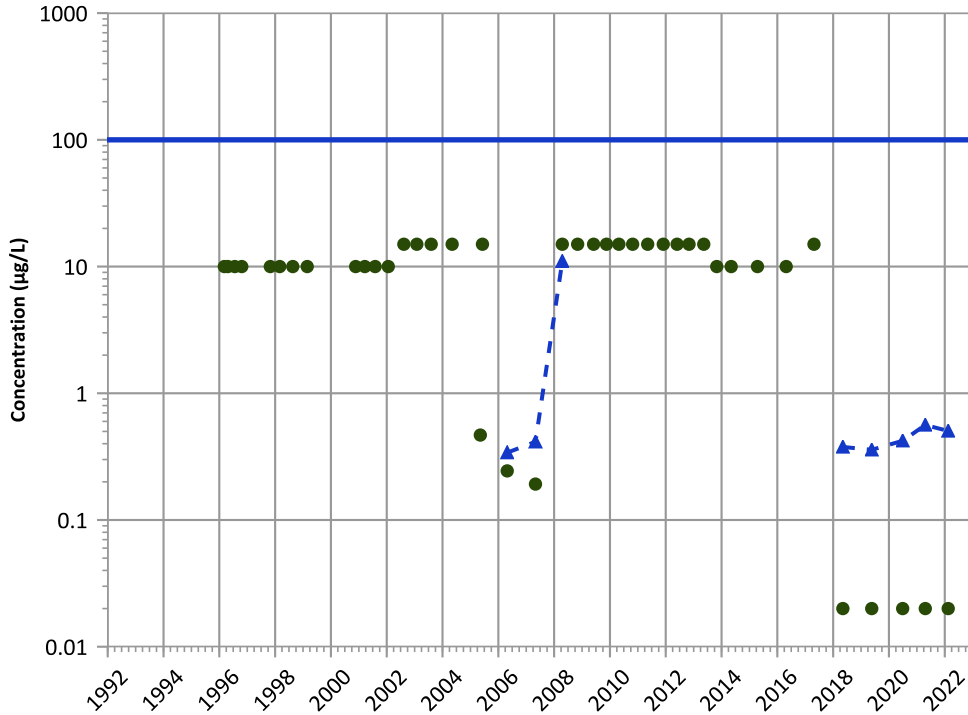


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Chromium, Hexavalent Trend

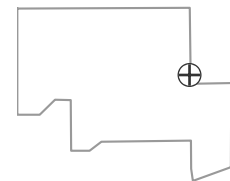


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

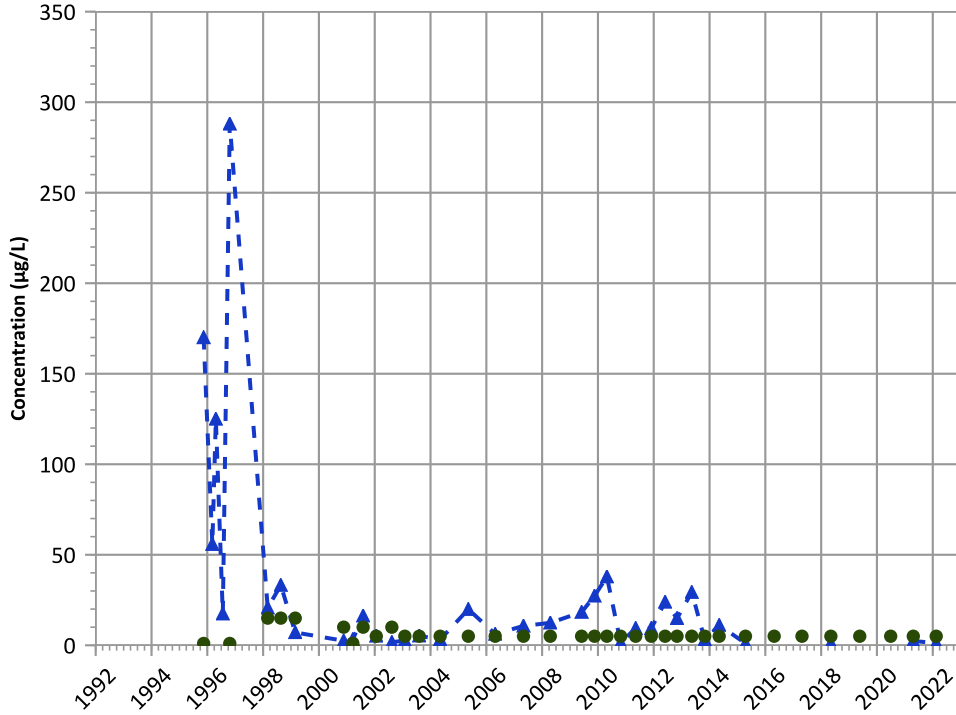


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

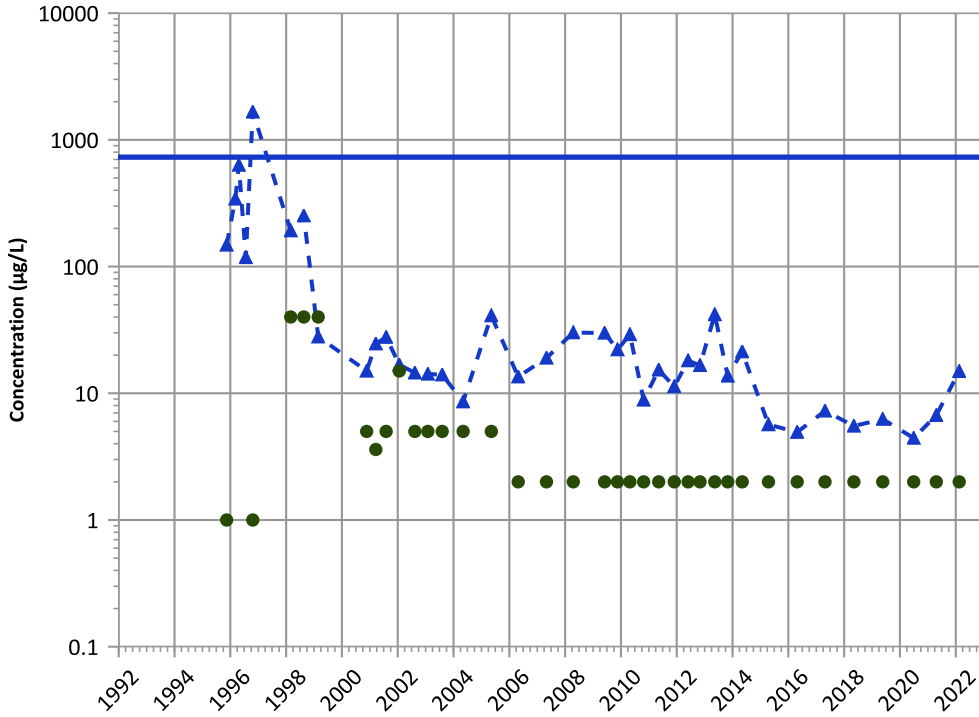
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

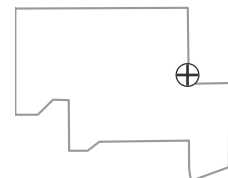
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

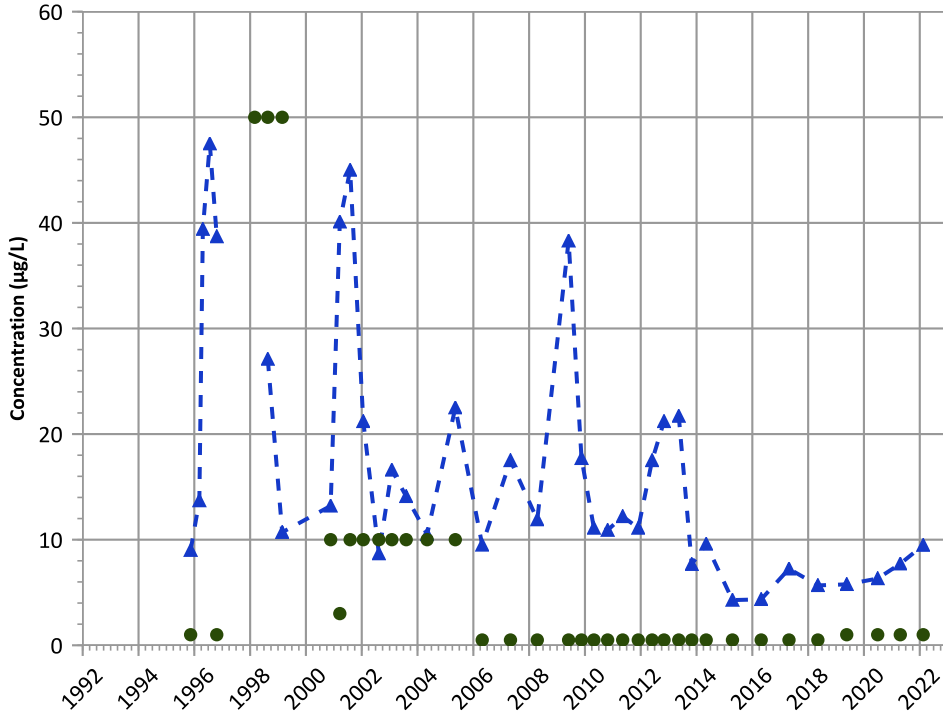
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

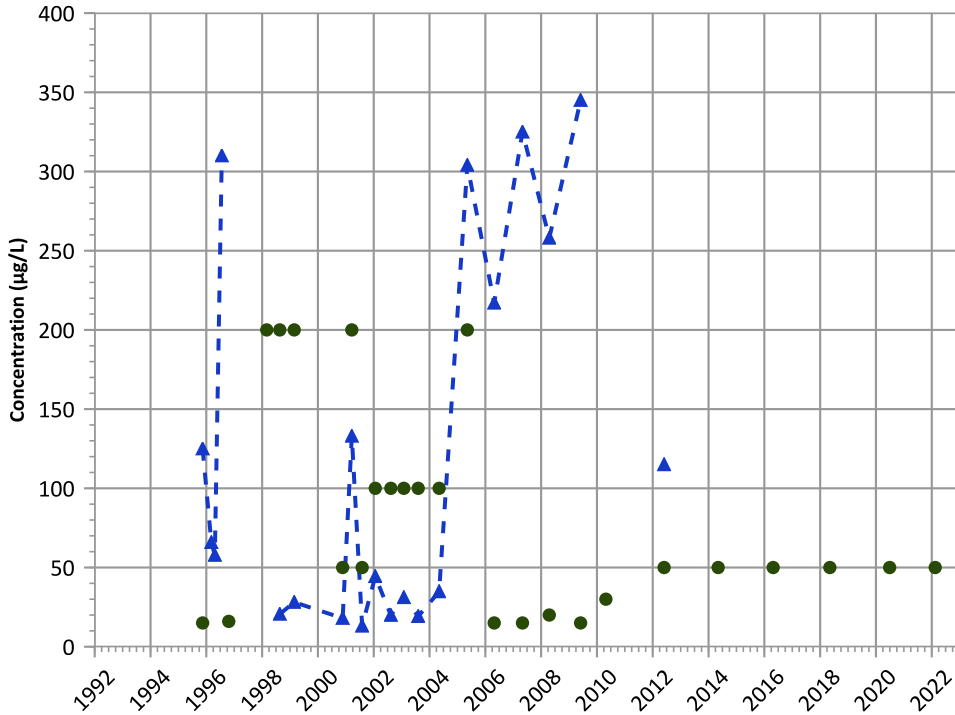
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

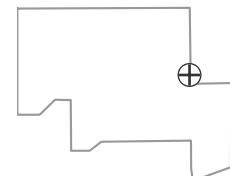
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

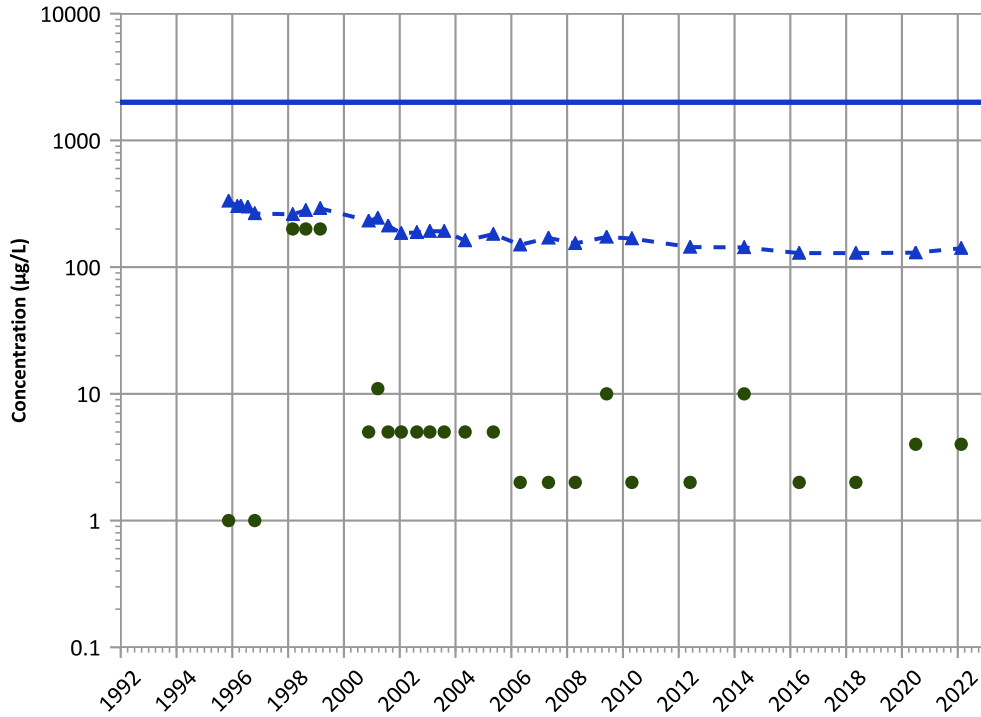
Well Location





PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

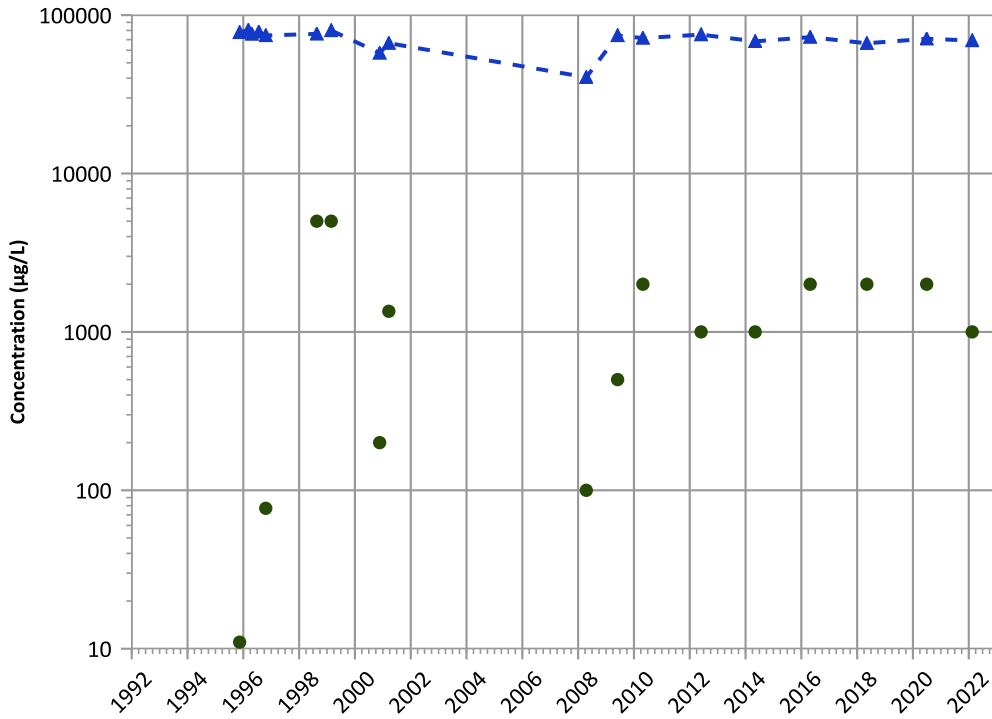


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Calcium Trend



Concentration Trend

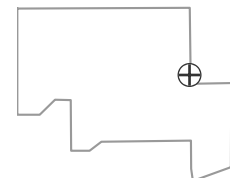
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

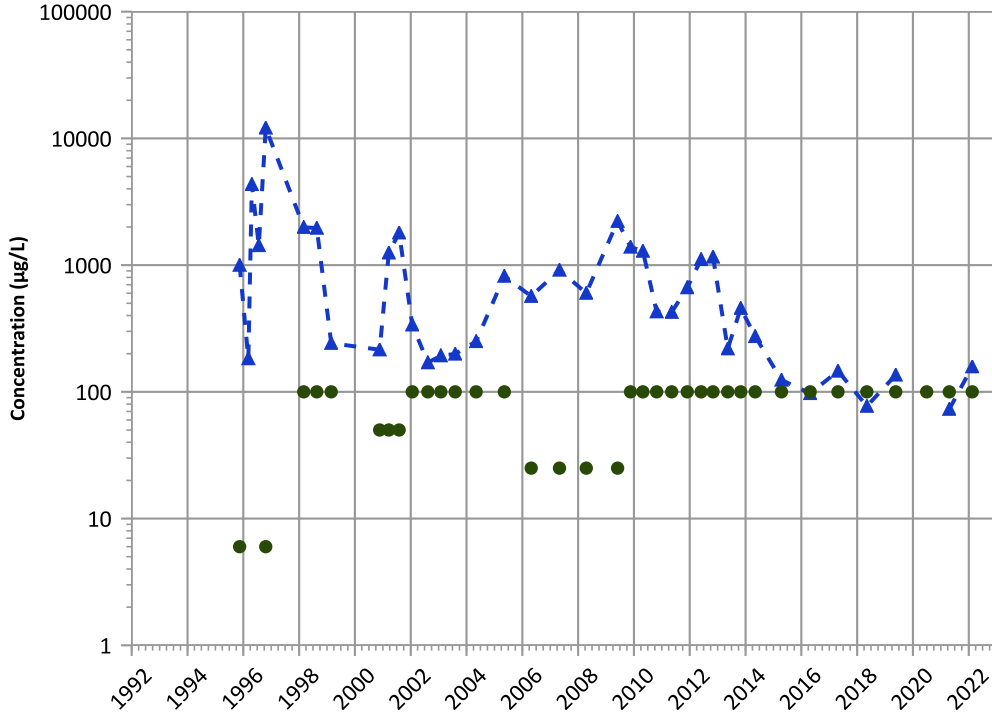
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

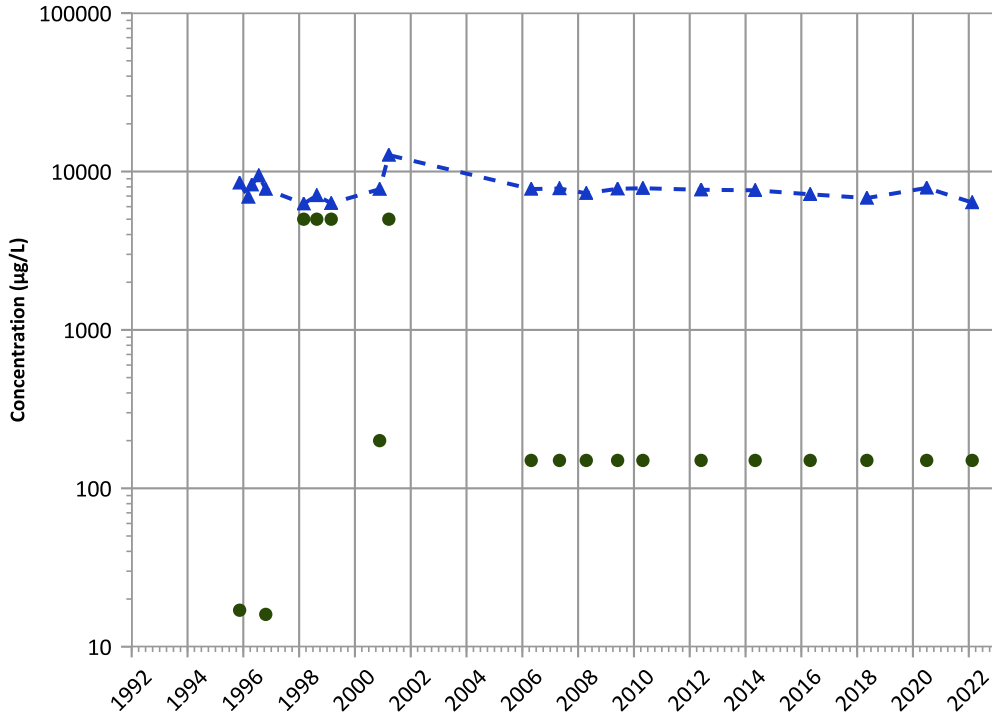
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

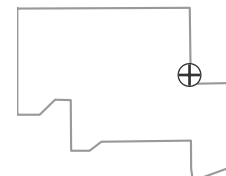
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

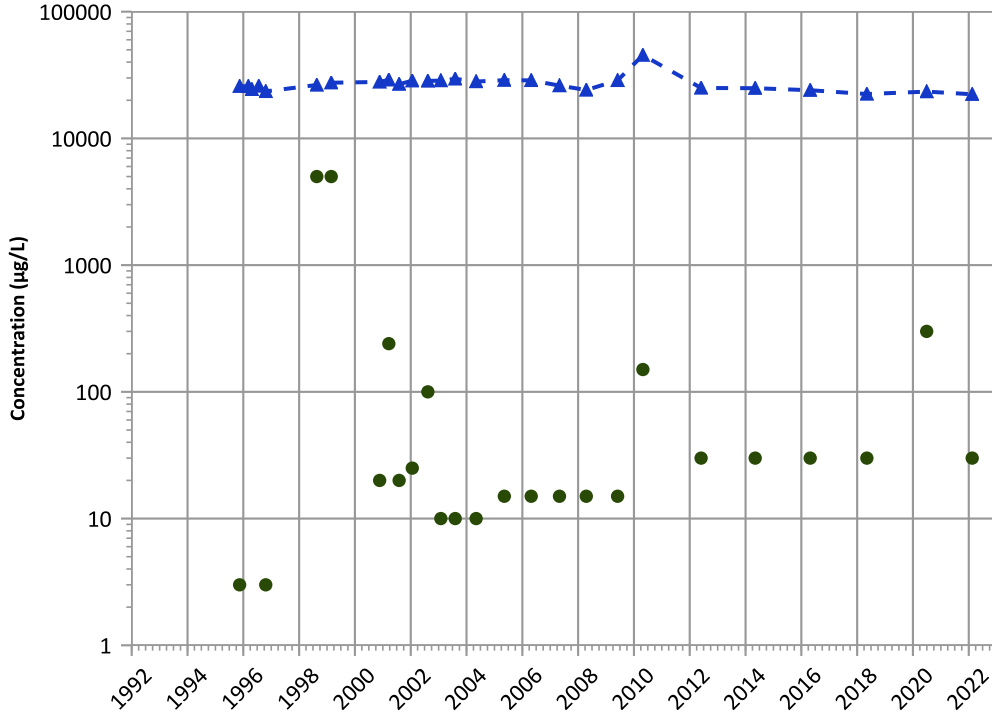
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

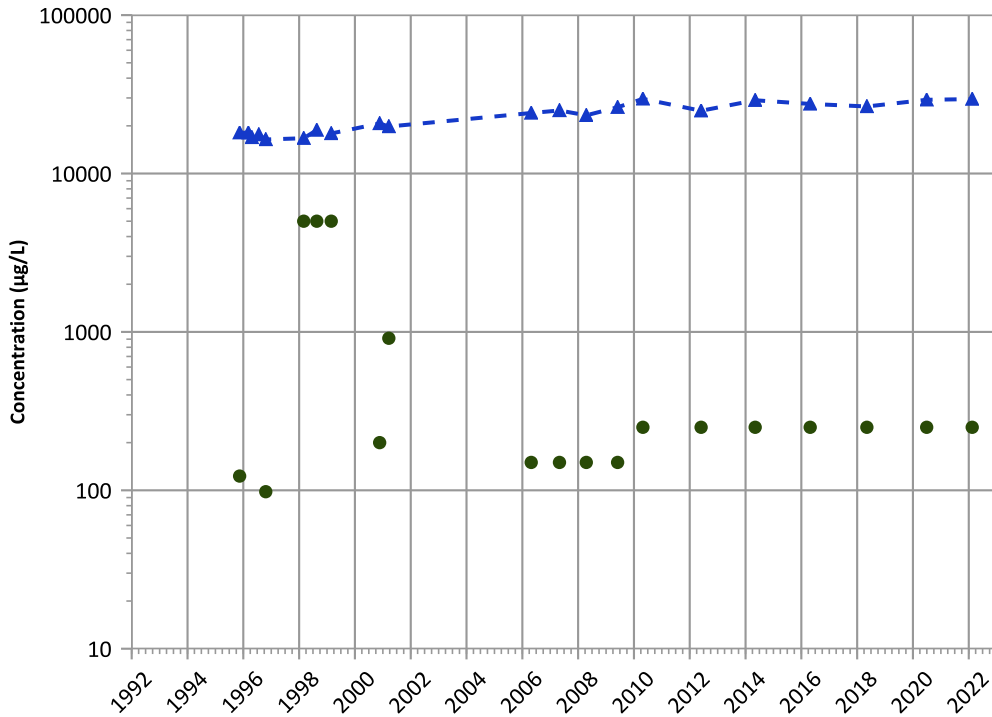
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

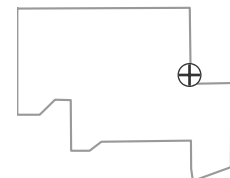
2020 - 2022 Data:

No Trend

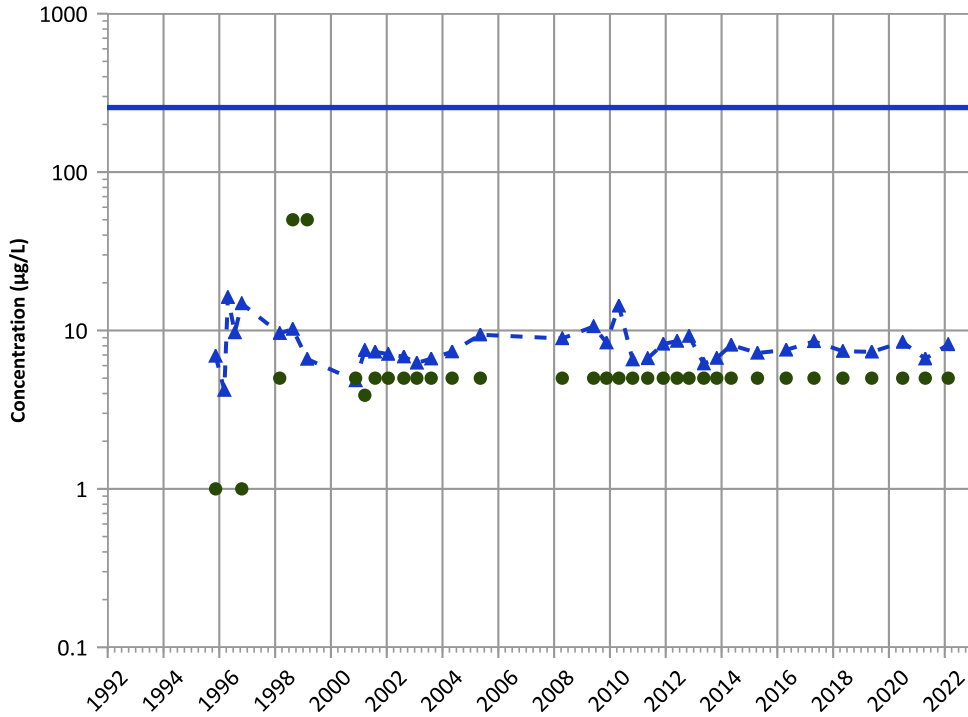
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1013 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

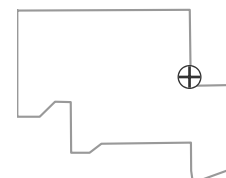
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

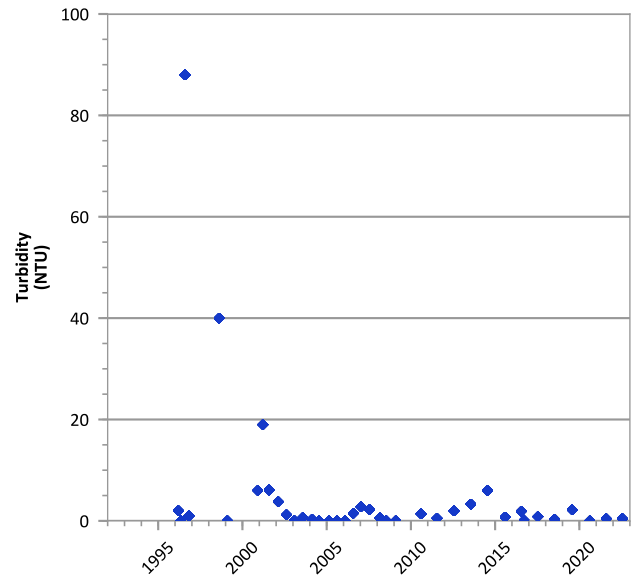
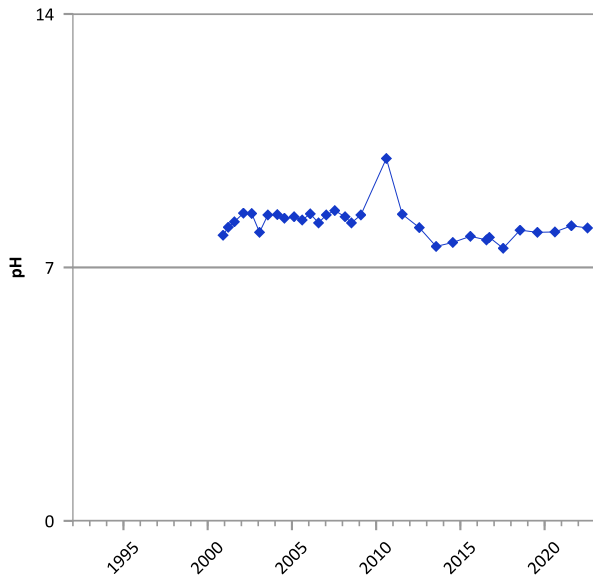
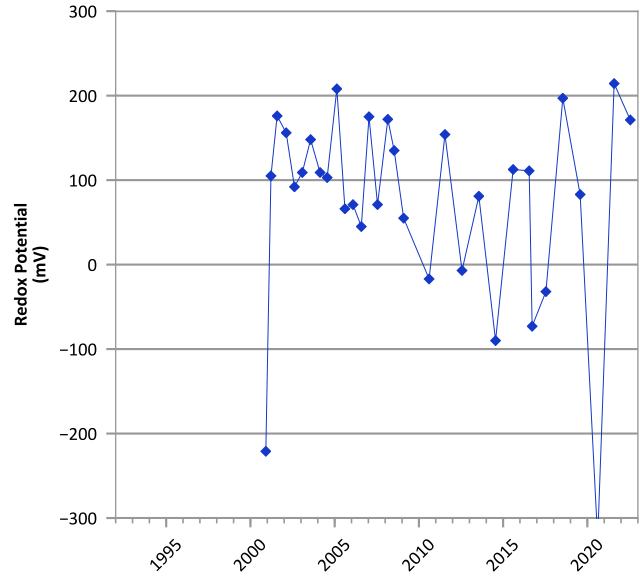
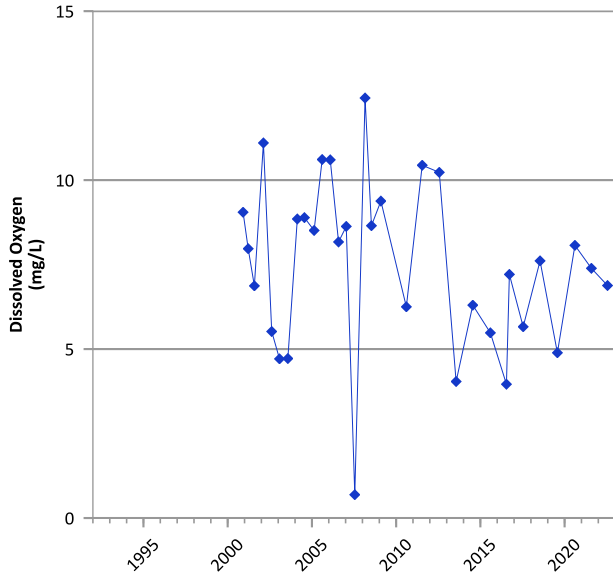
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

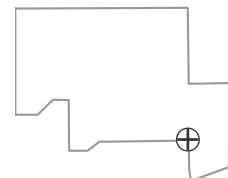


**PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



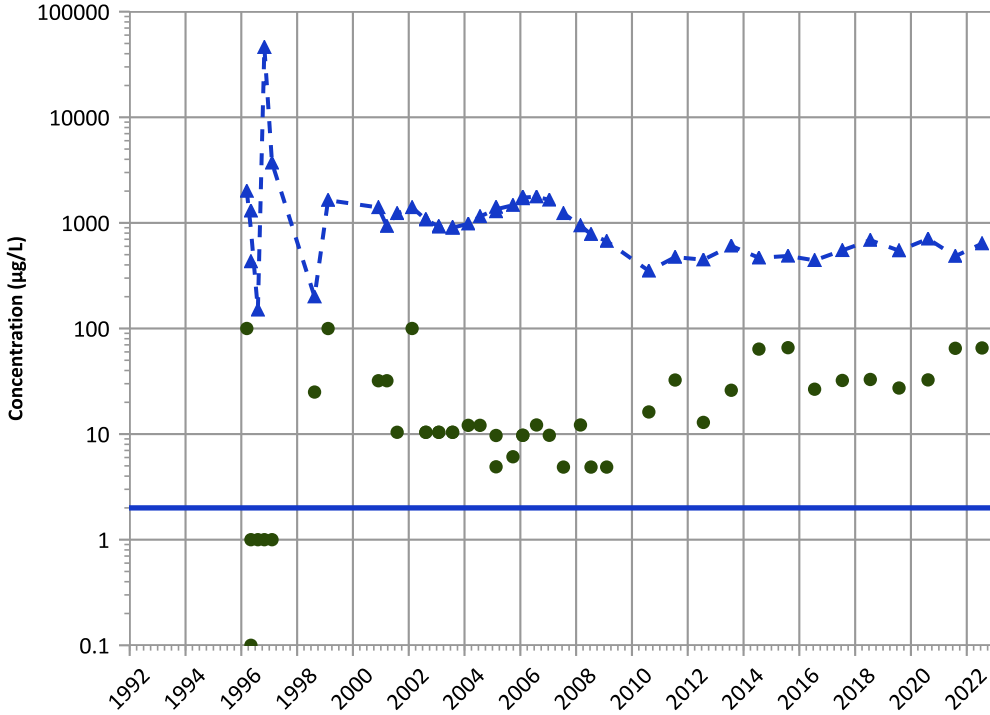
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 03/13/1996 to 07/20/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

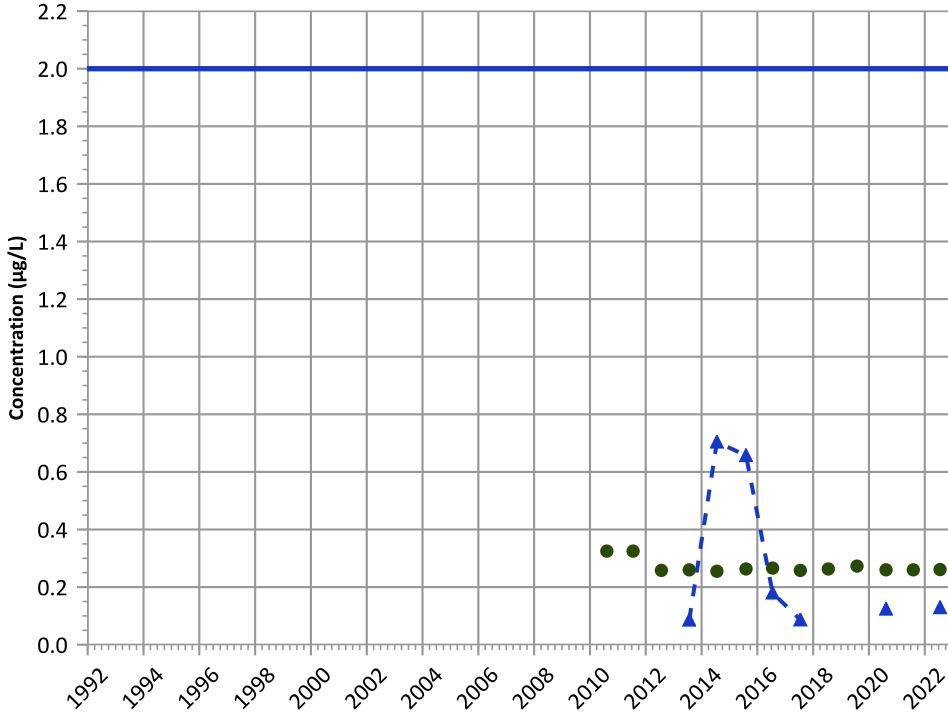


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

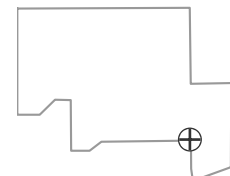
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

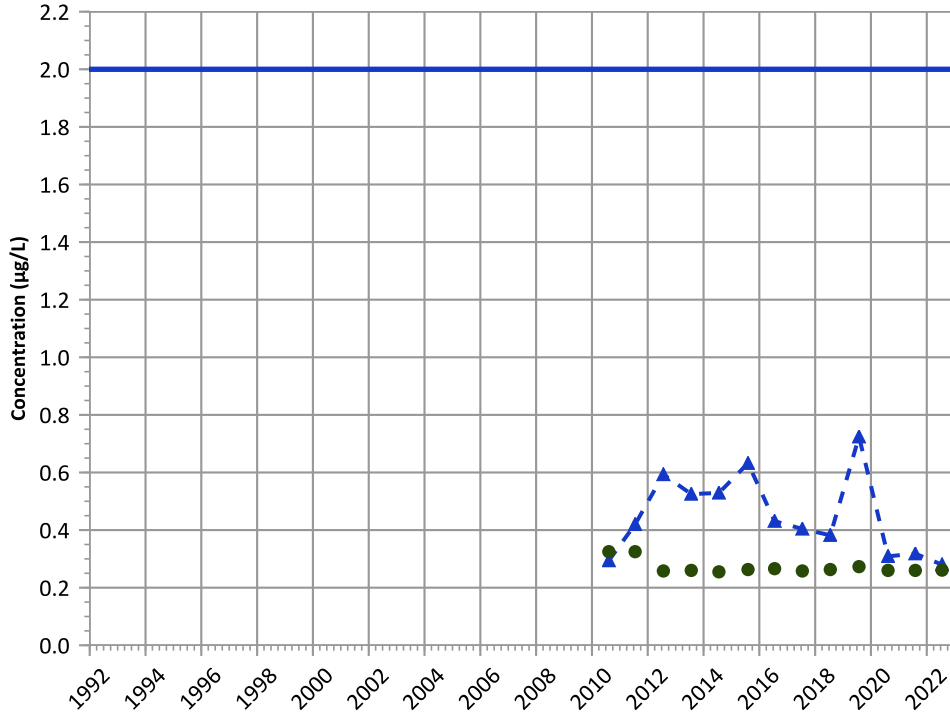
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

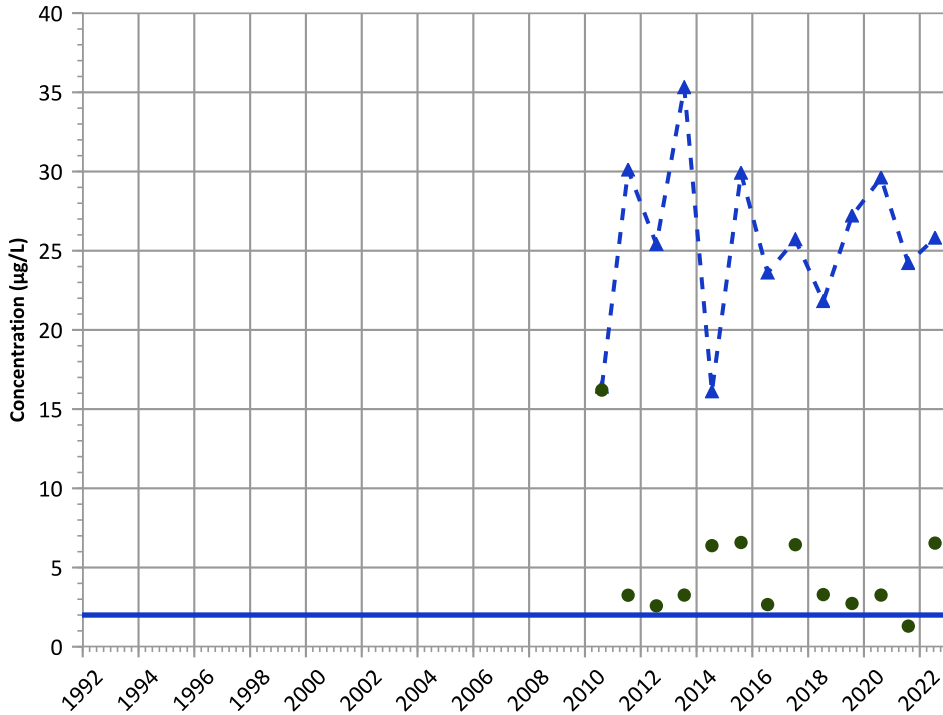


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

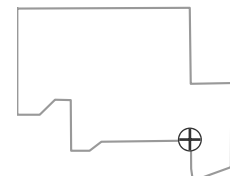


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

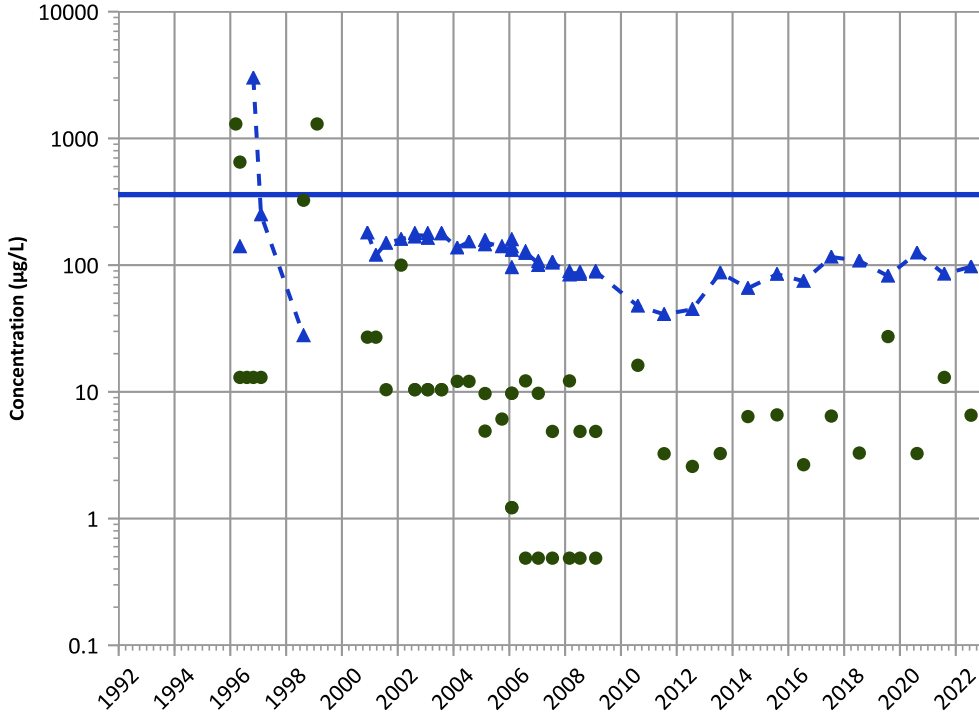


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

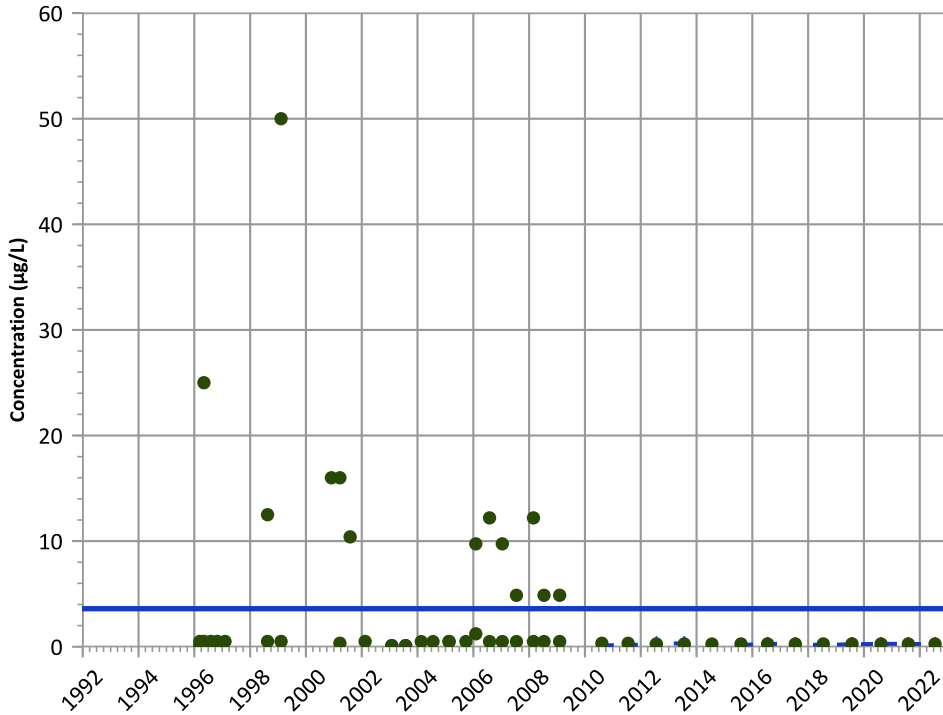


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

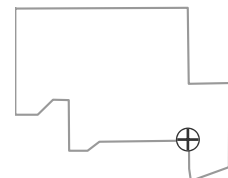
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

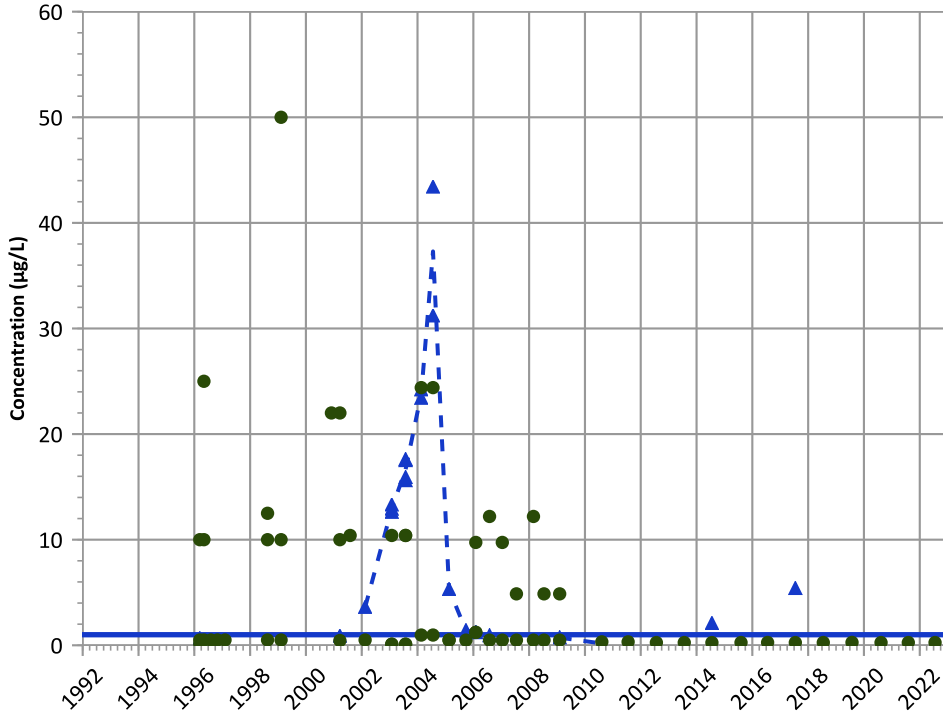
Well Location





PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

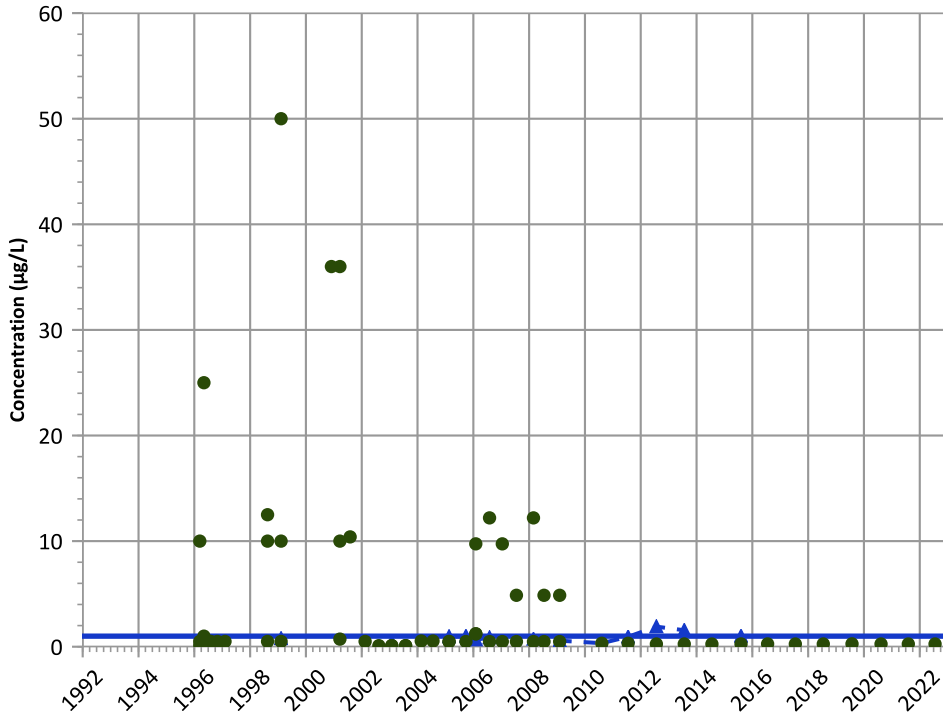


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

2,6-Dinitrotoluene Trend

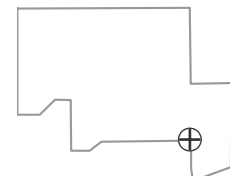


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

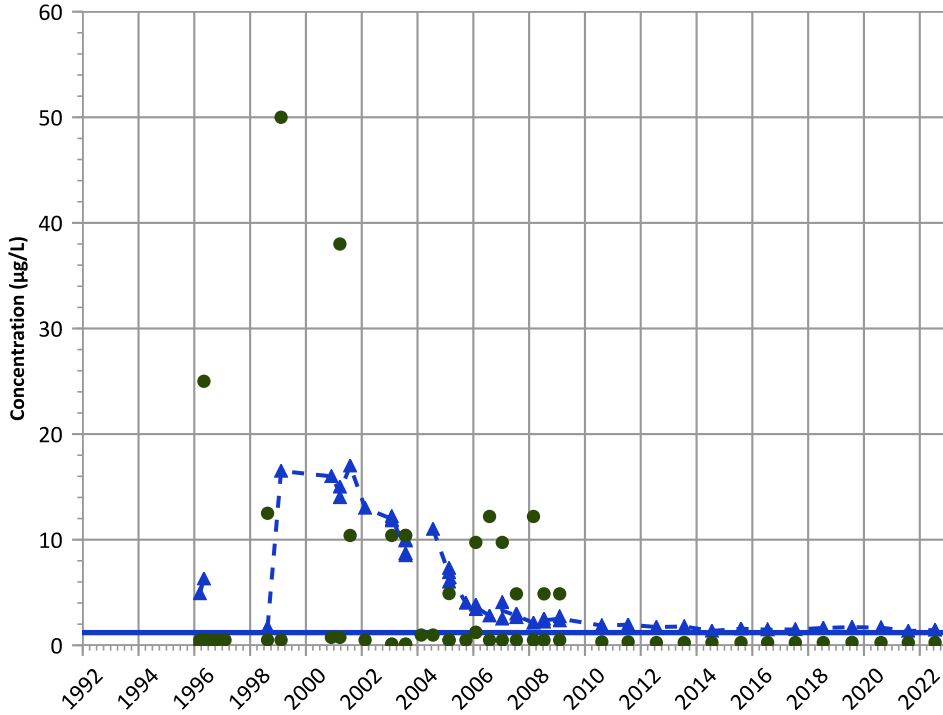


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

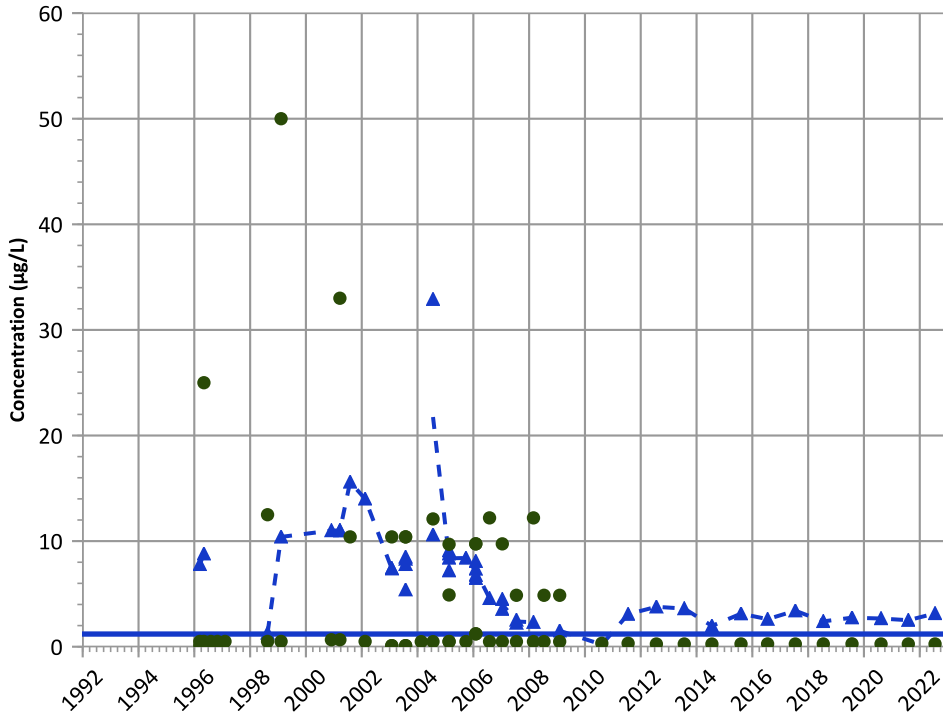
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

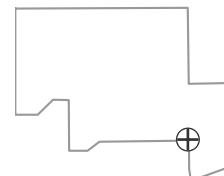
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

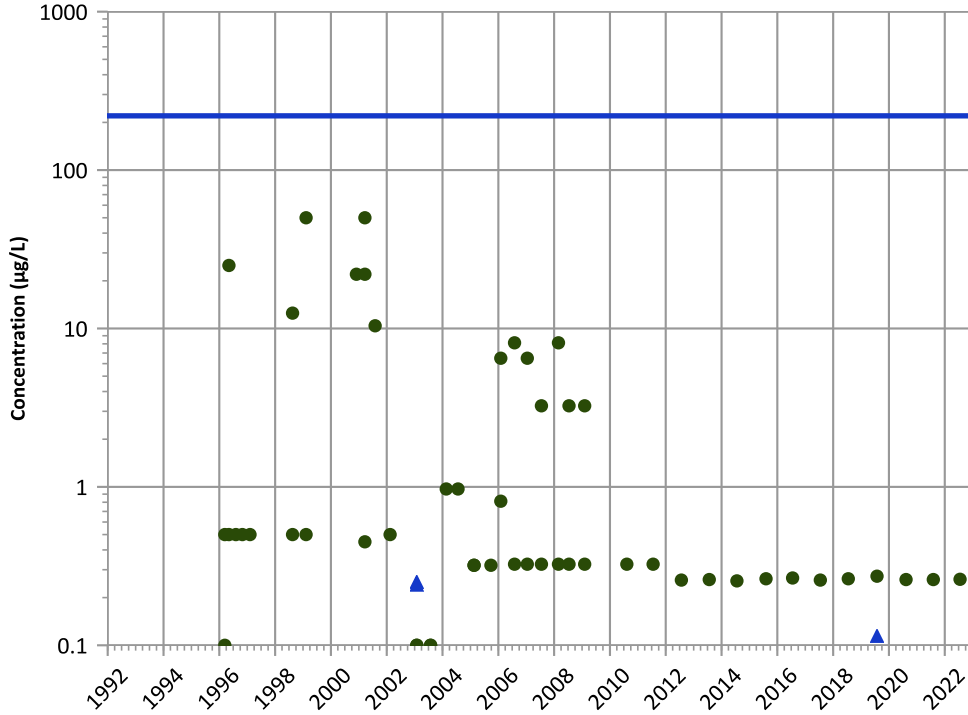
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

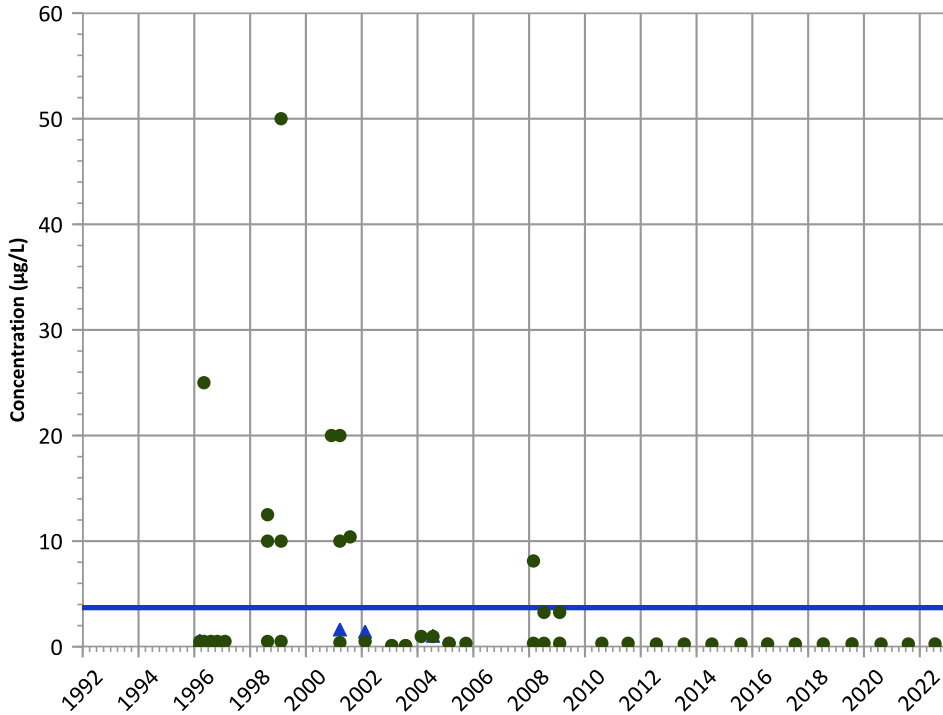
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

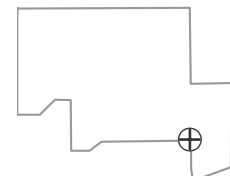
2020 - 2022 Data:

No Trend

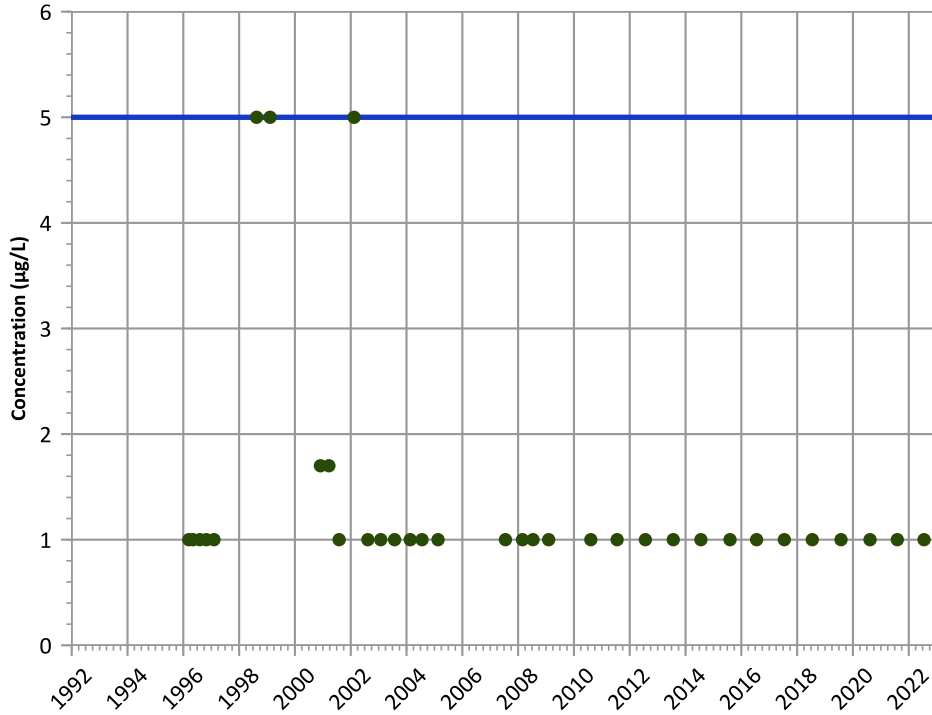
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

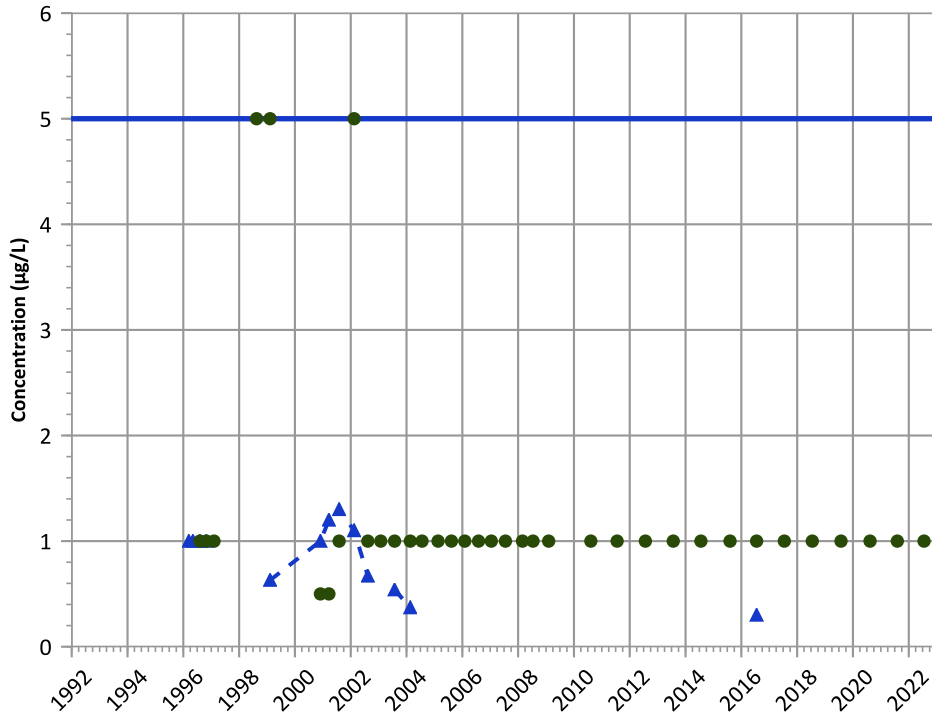
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

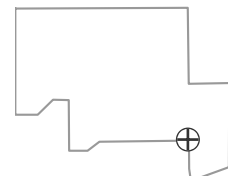
2020 - 2022 Data:

Decreasing

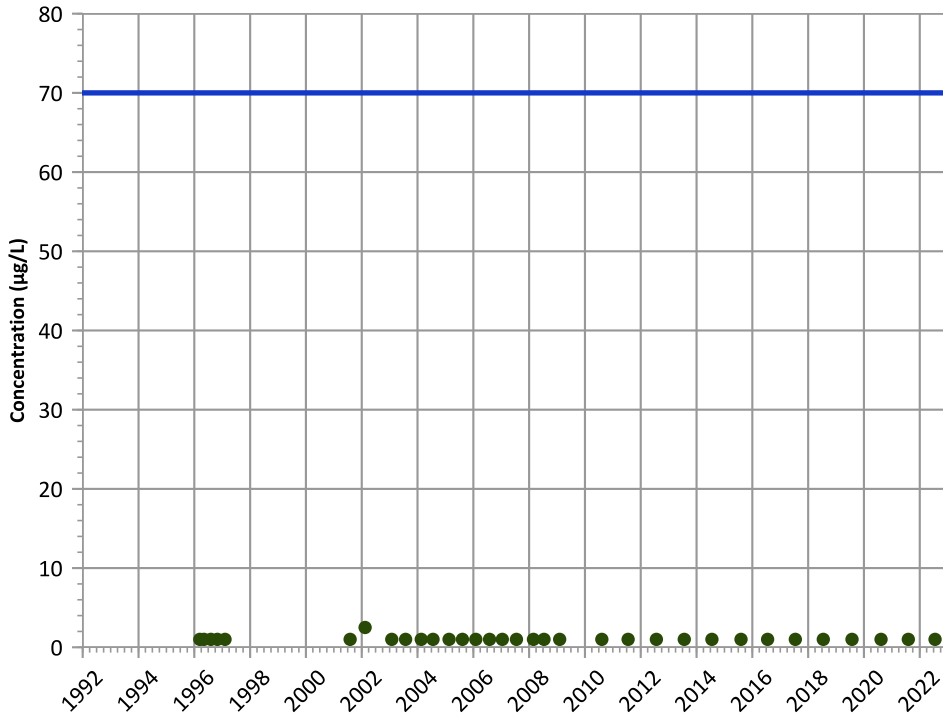
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

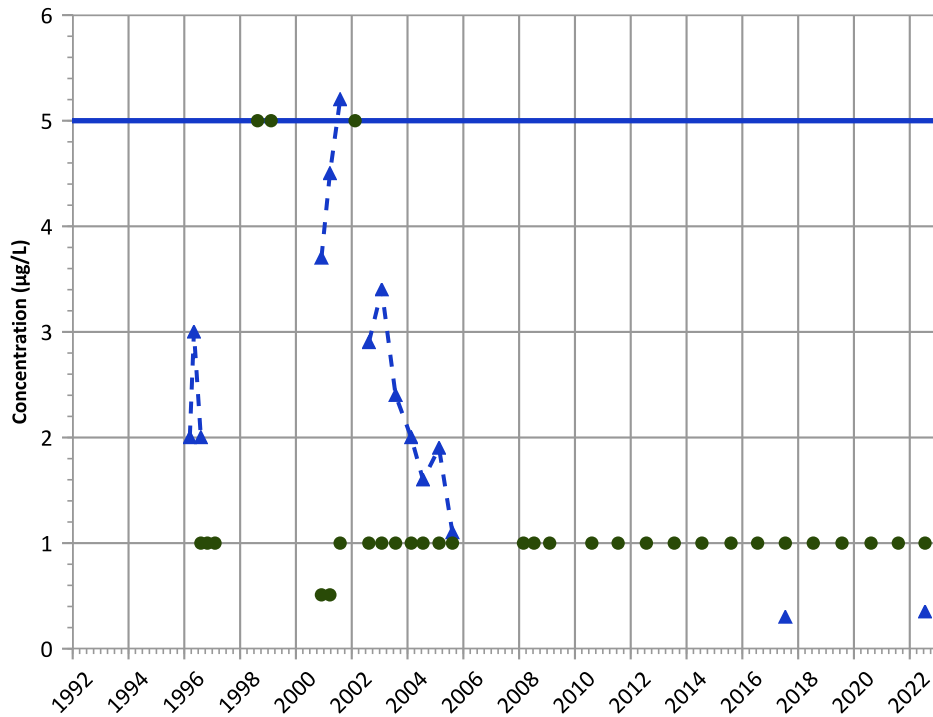
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

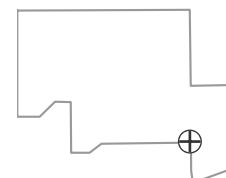
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

Stable

**Well Location**

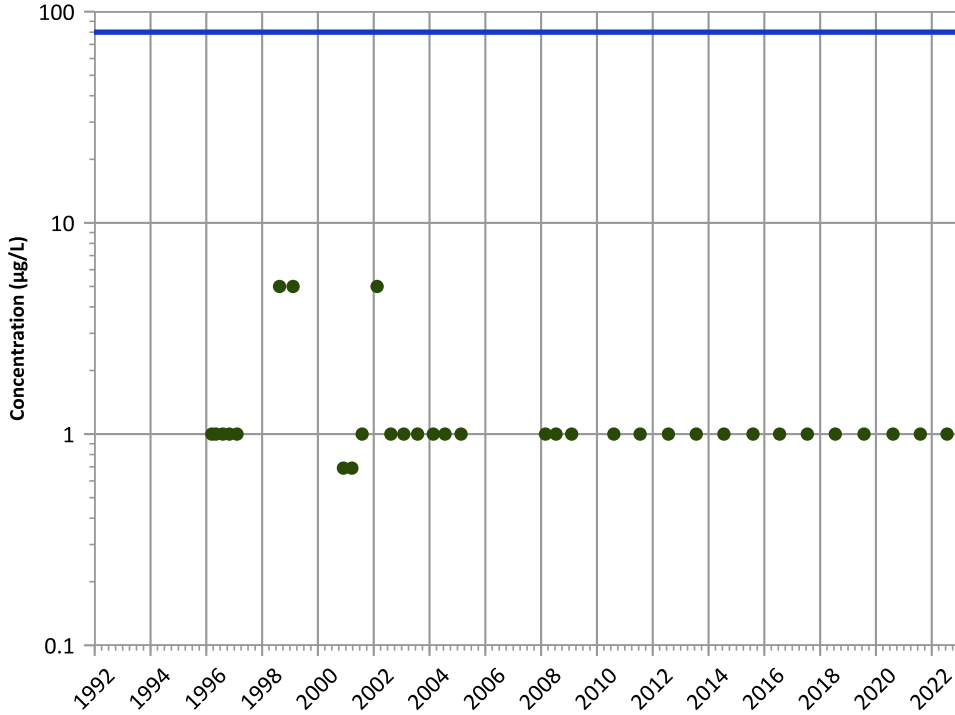


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

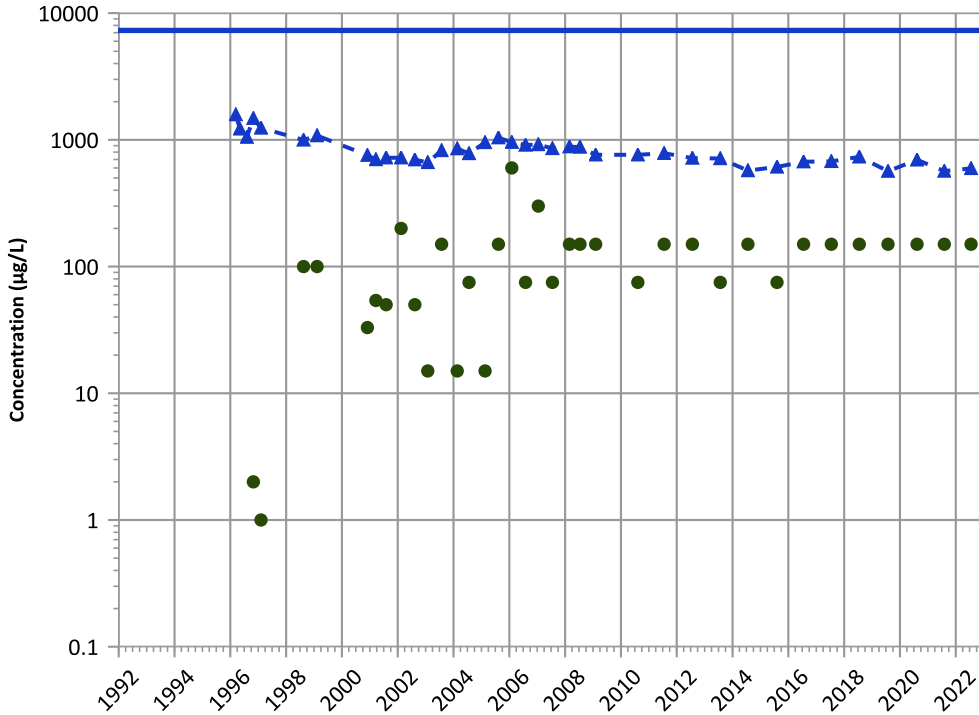
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

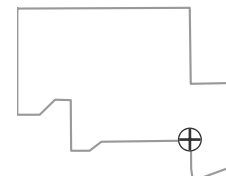
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

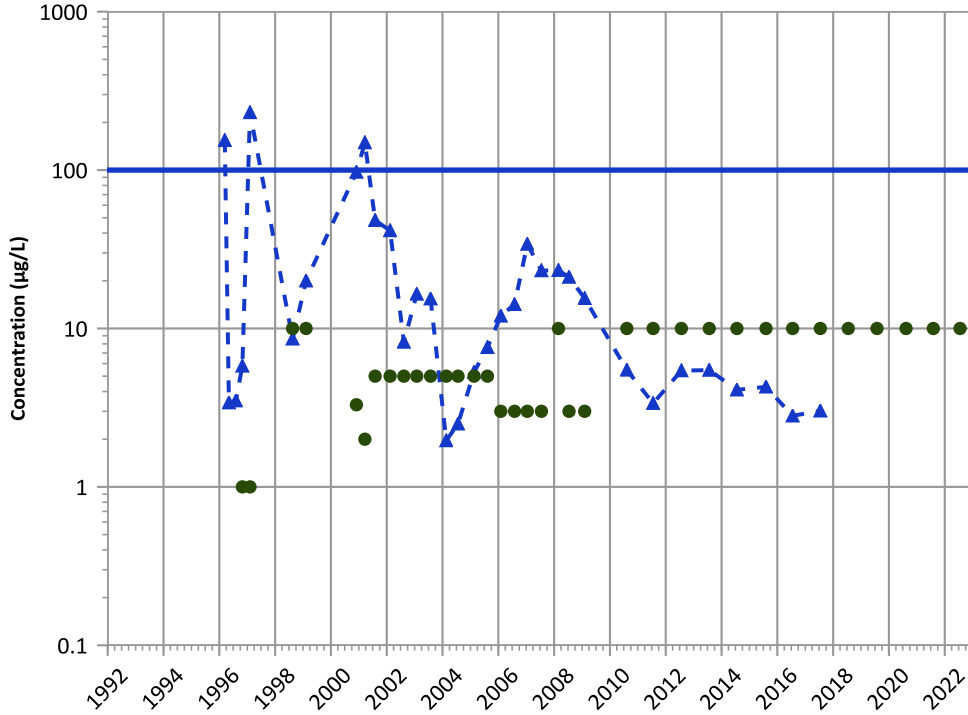
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

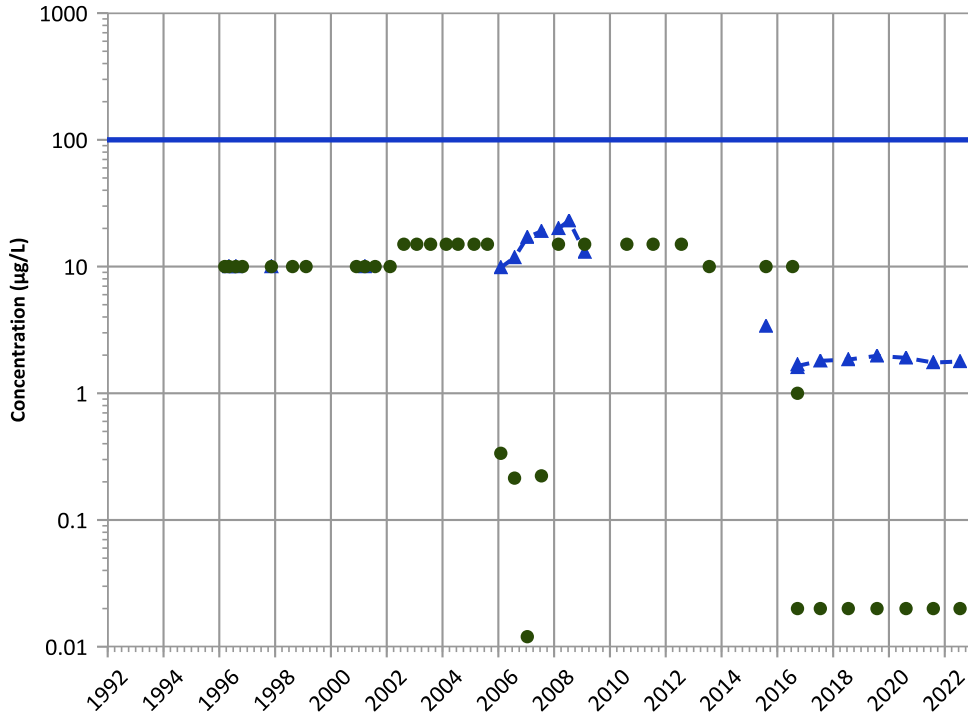


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Chromium, Hexavalent Trend



Concentration Trend

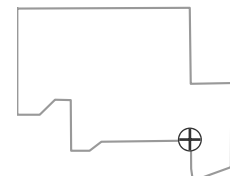
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

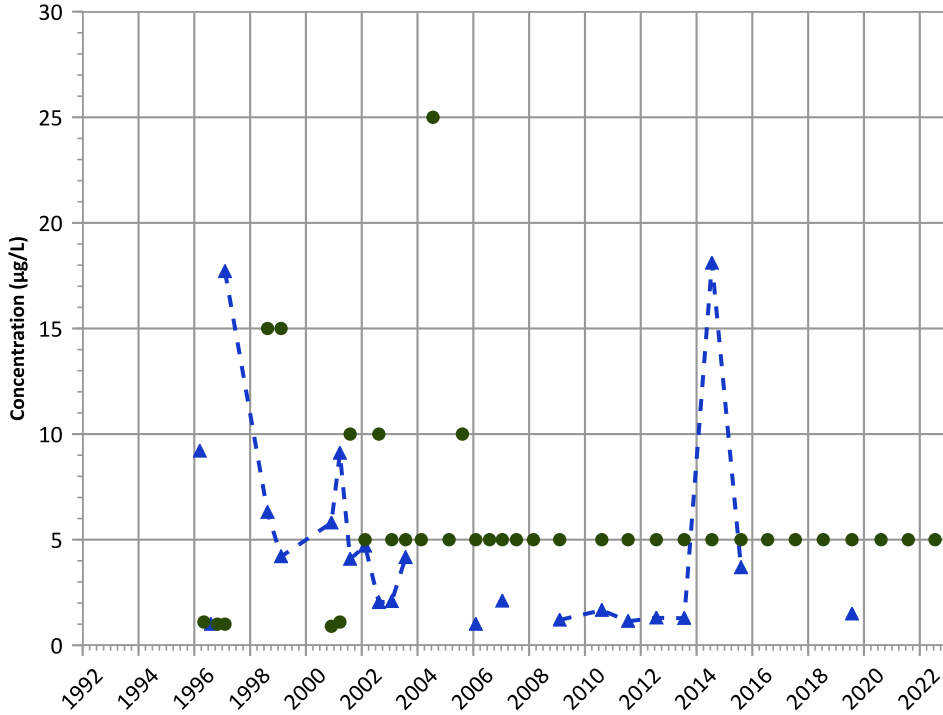
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

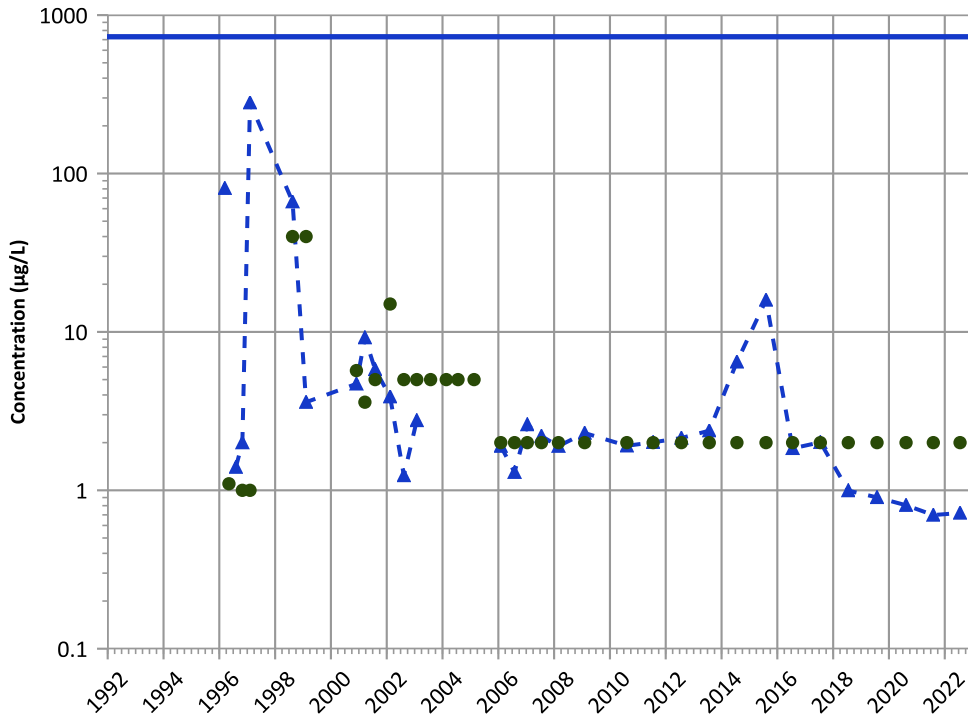


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Nickel Trend



Concentration Trend

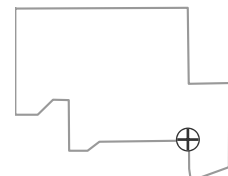
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

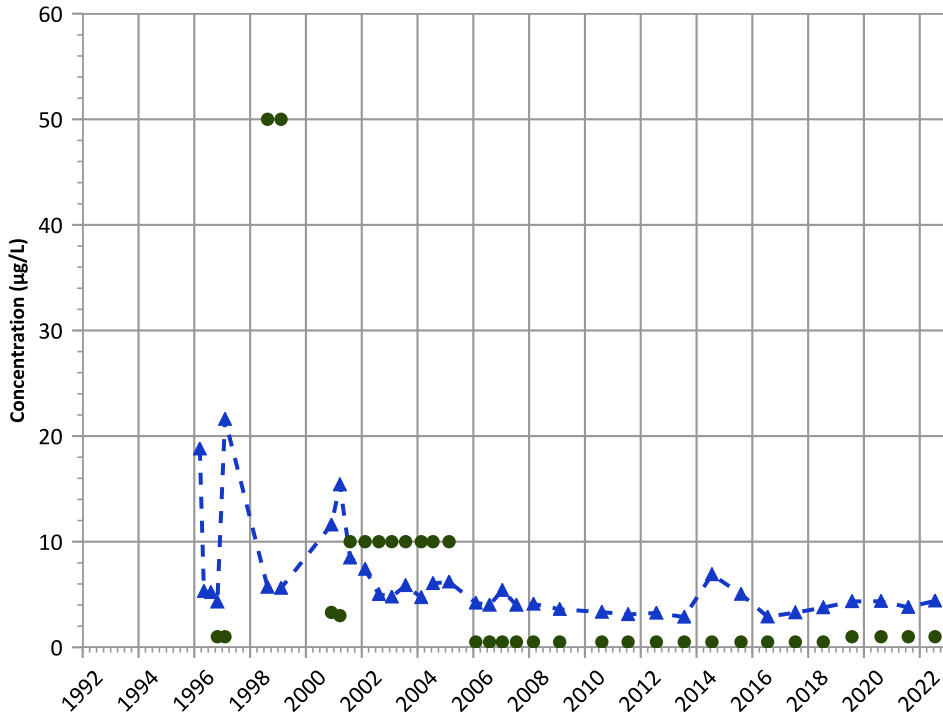
Well Location





PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

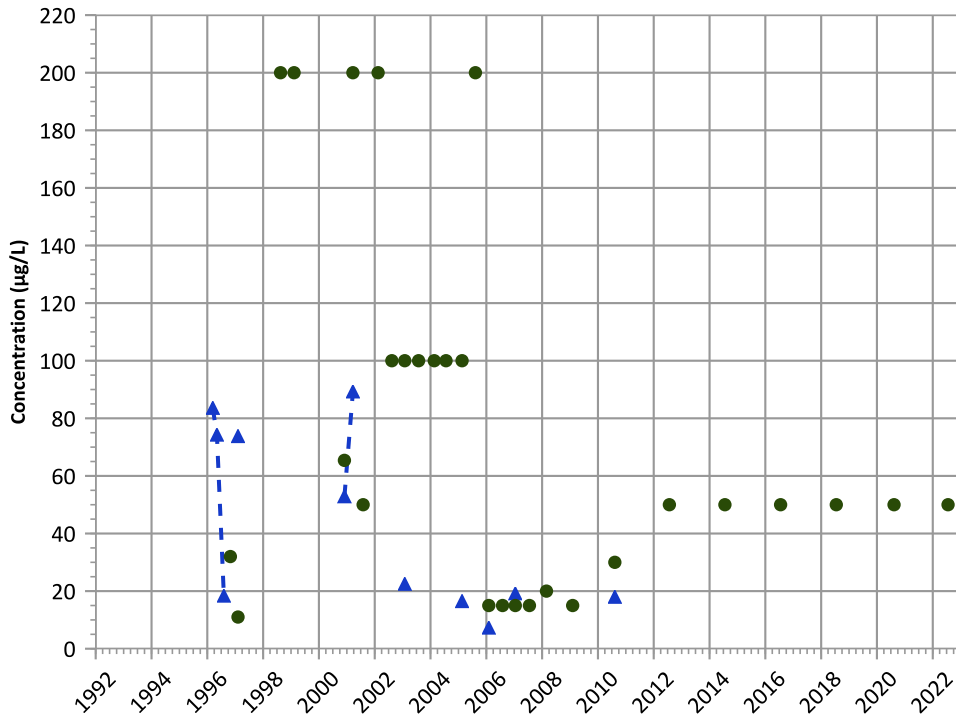


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

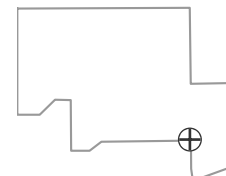
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

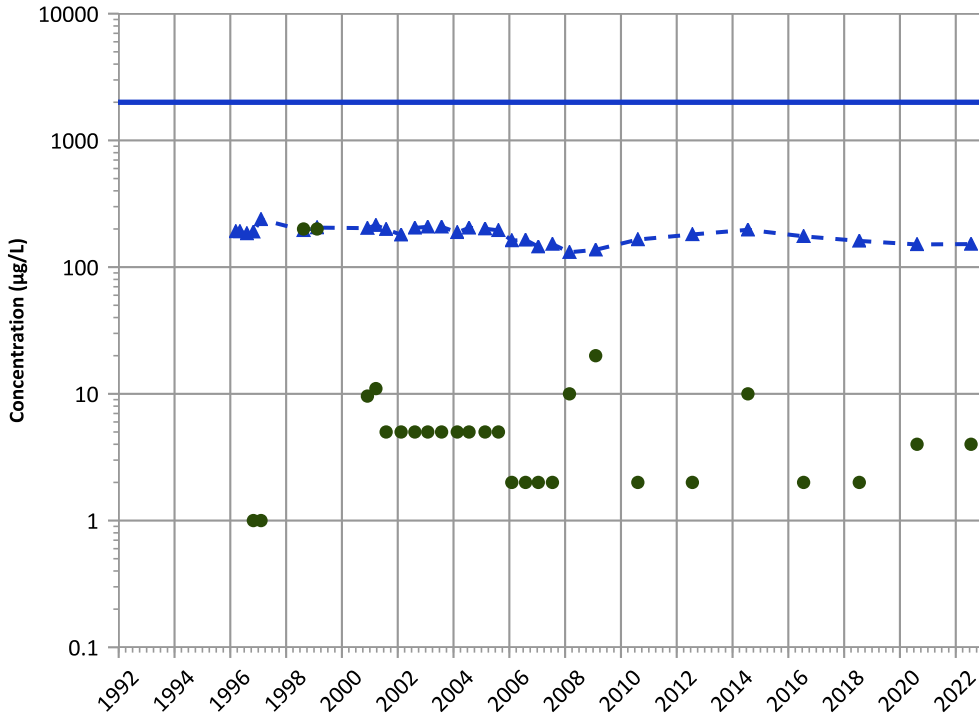
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

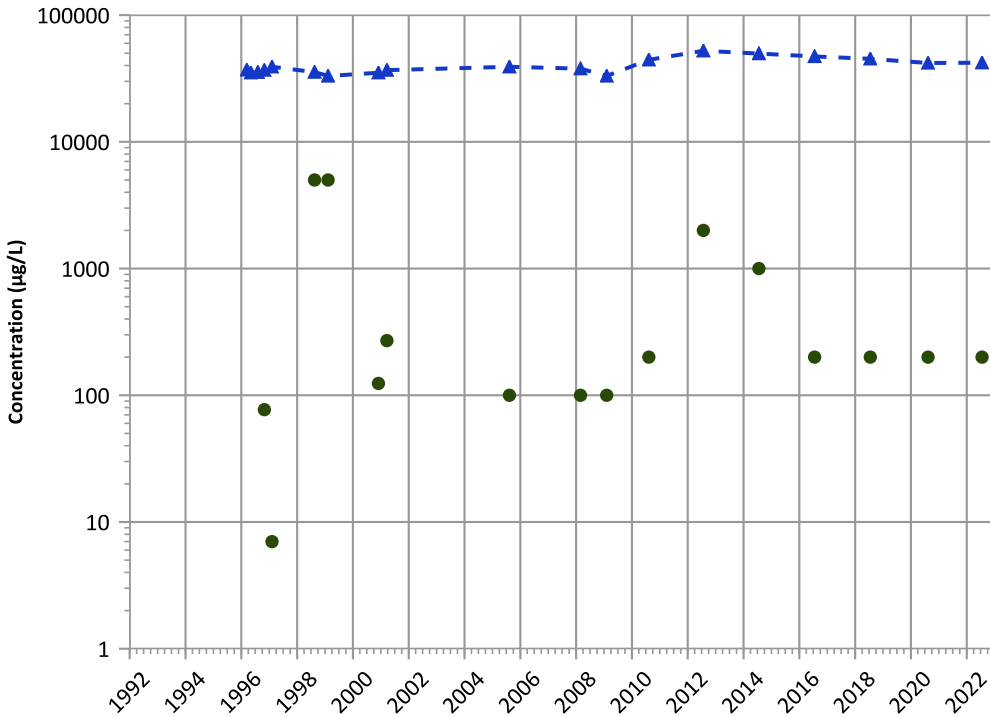


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Calcium Trend



Concentration Trend

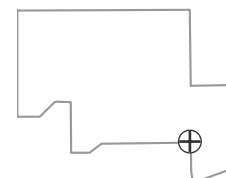
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

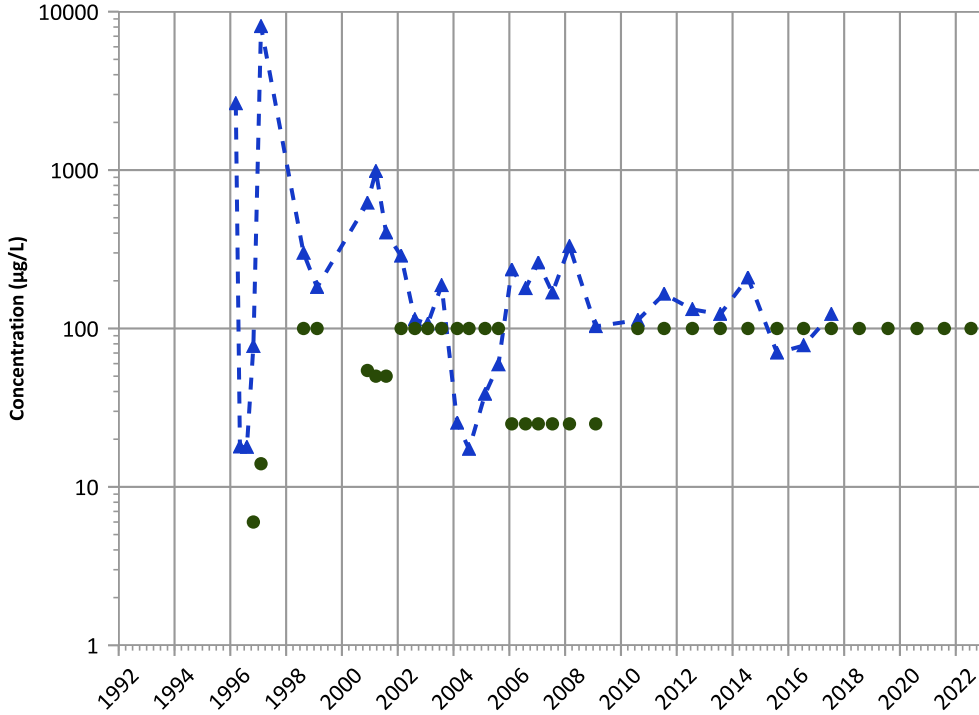
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

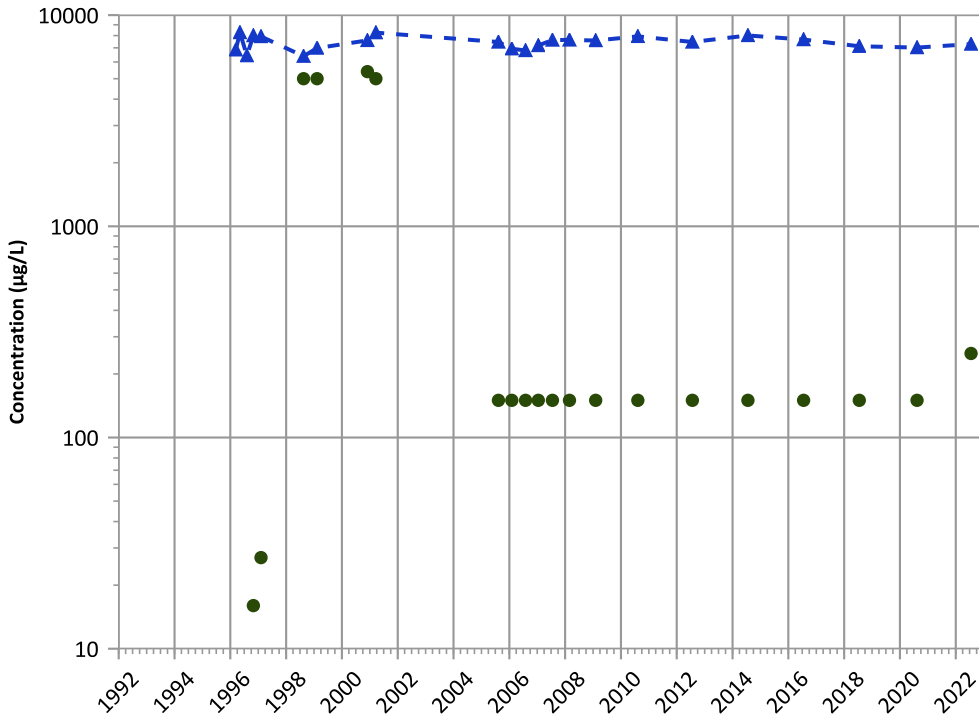


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

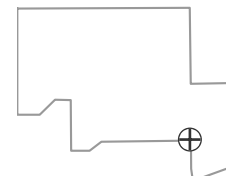
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

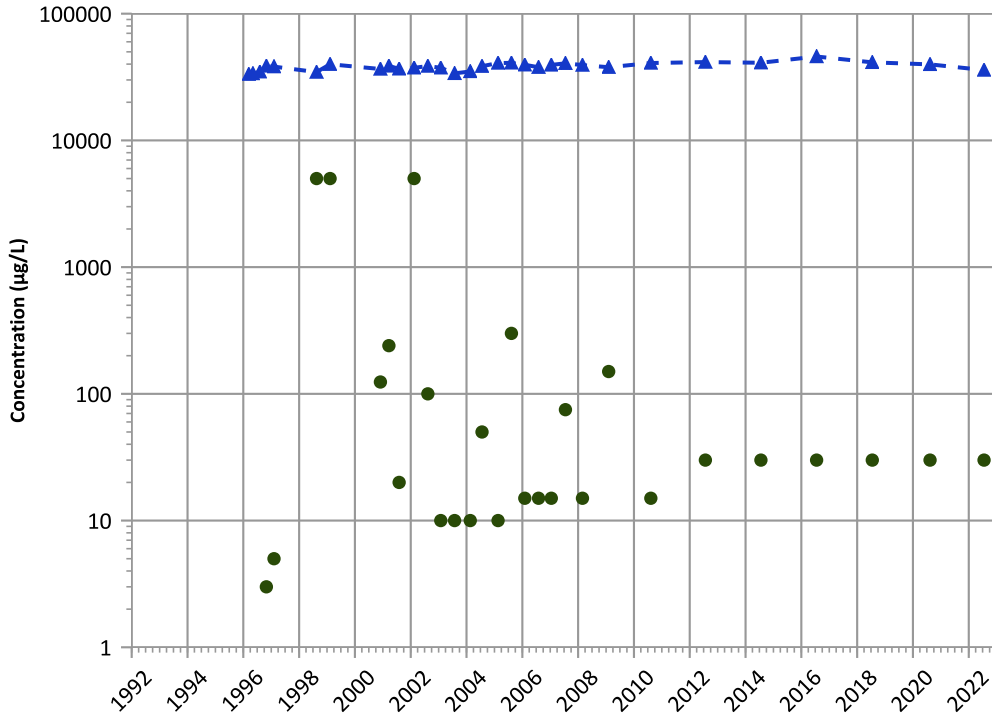
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

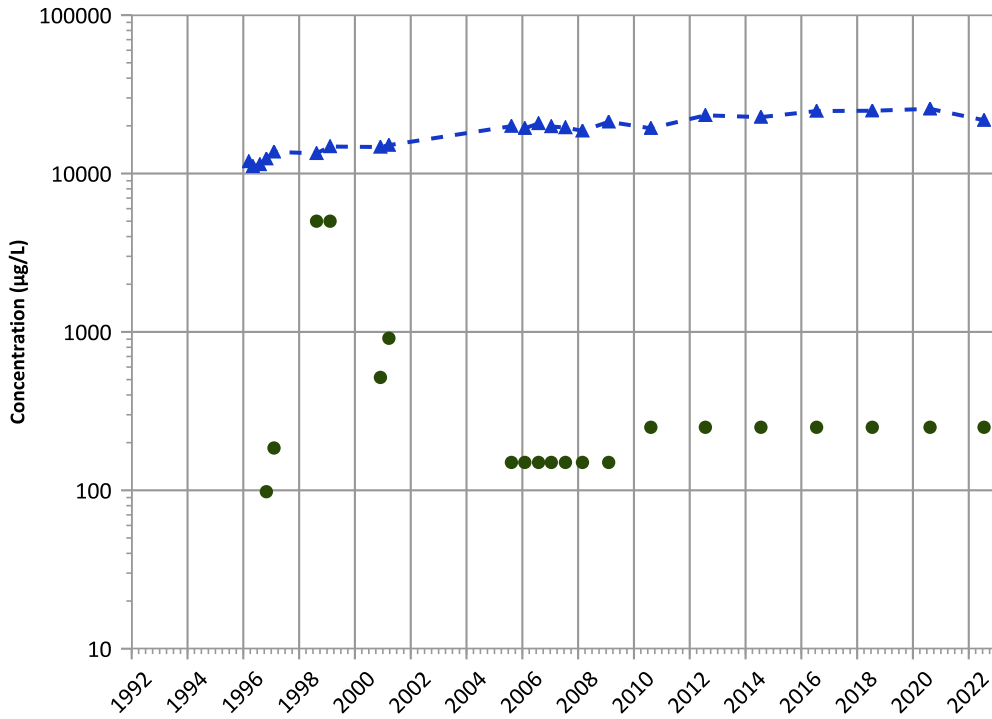


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Sodium Trend



Concentration Trend

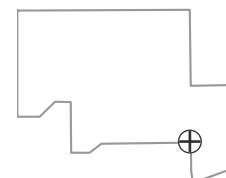
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

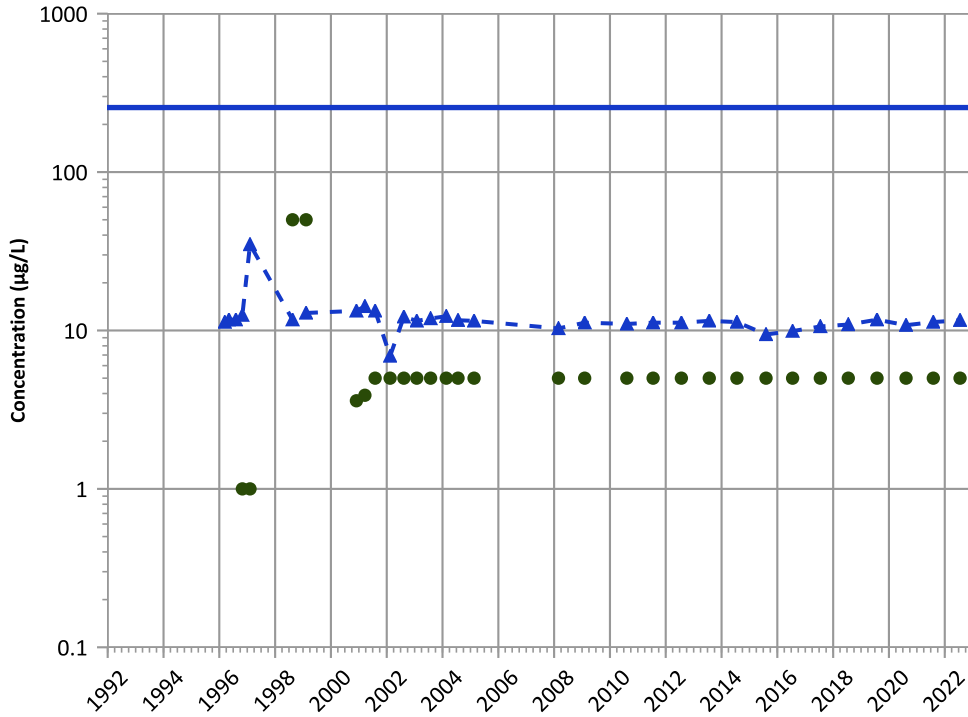
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/13/1996 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

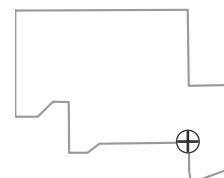
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 No Trend

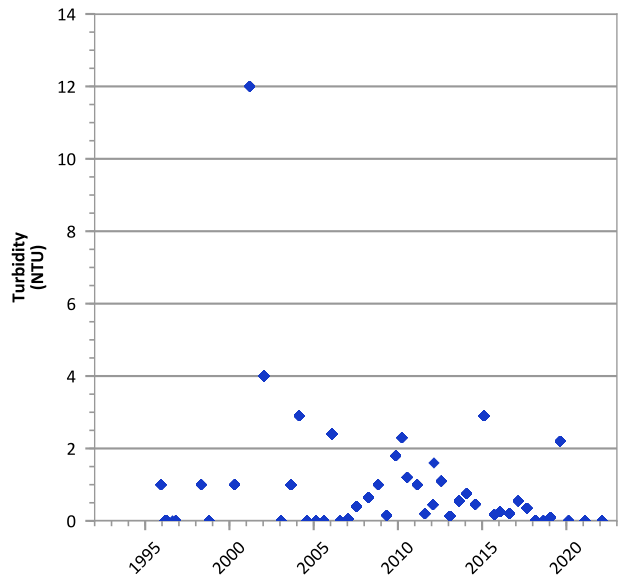
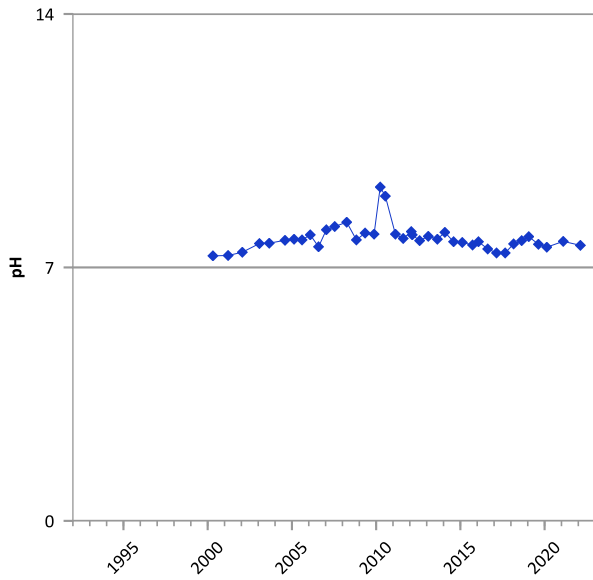
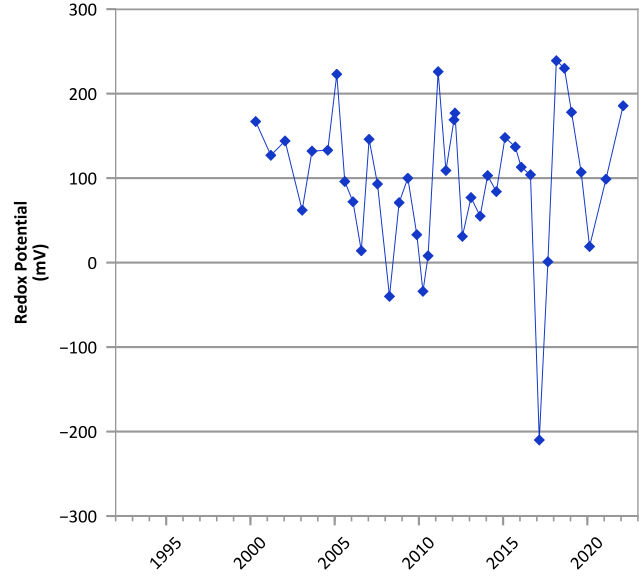
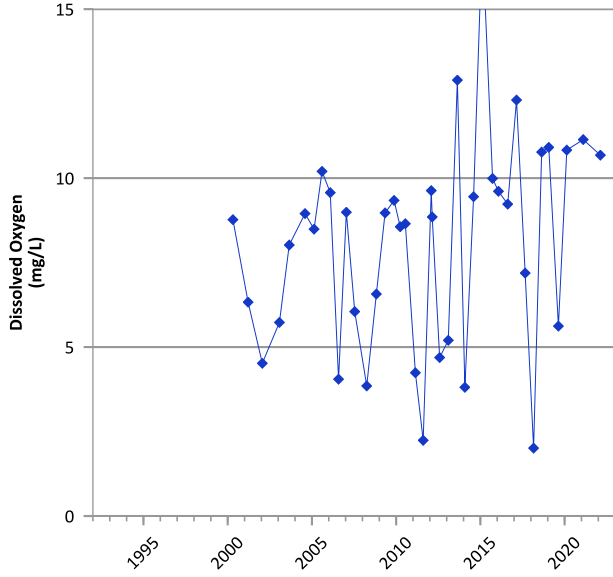
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 03/13/1996 to 07/20/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

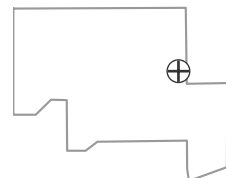


**PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



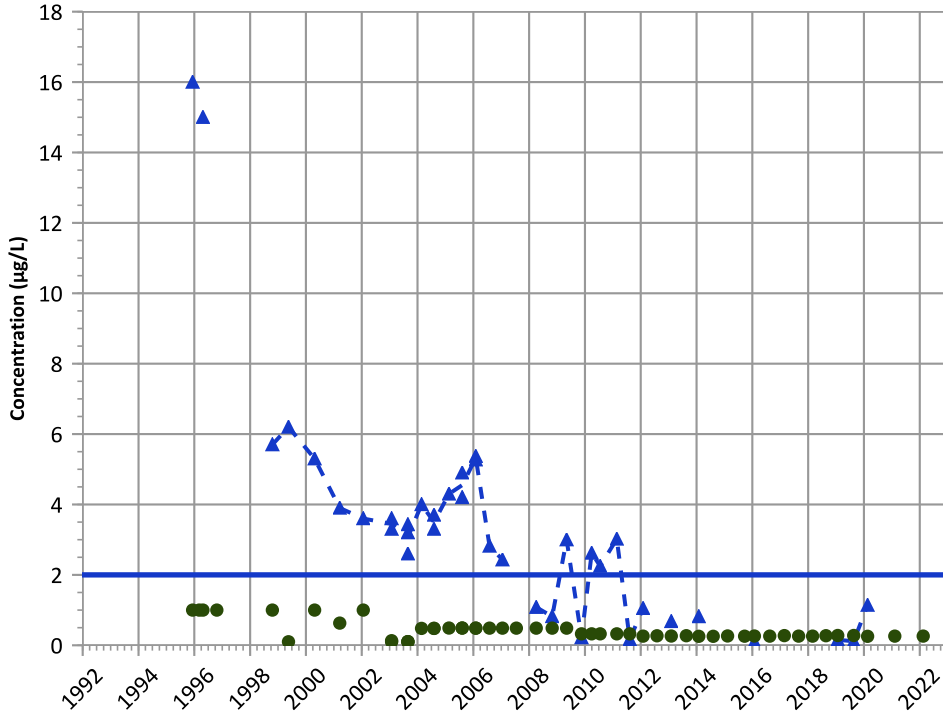
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/18/1995 to 02/15/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

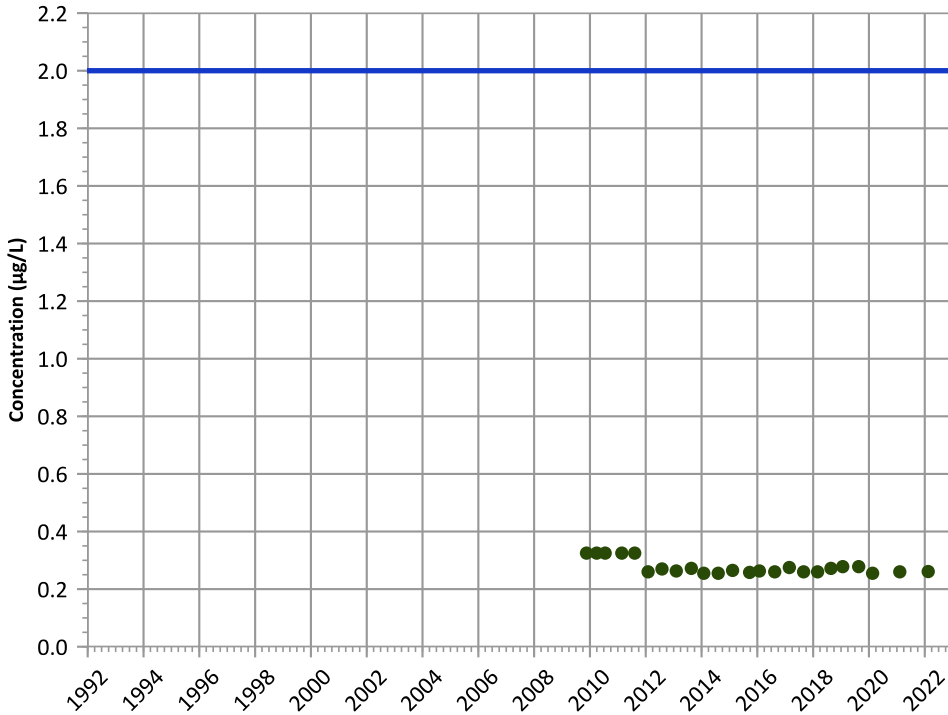


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

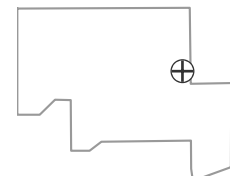
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

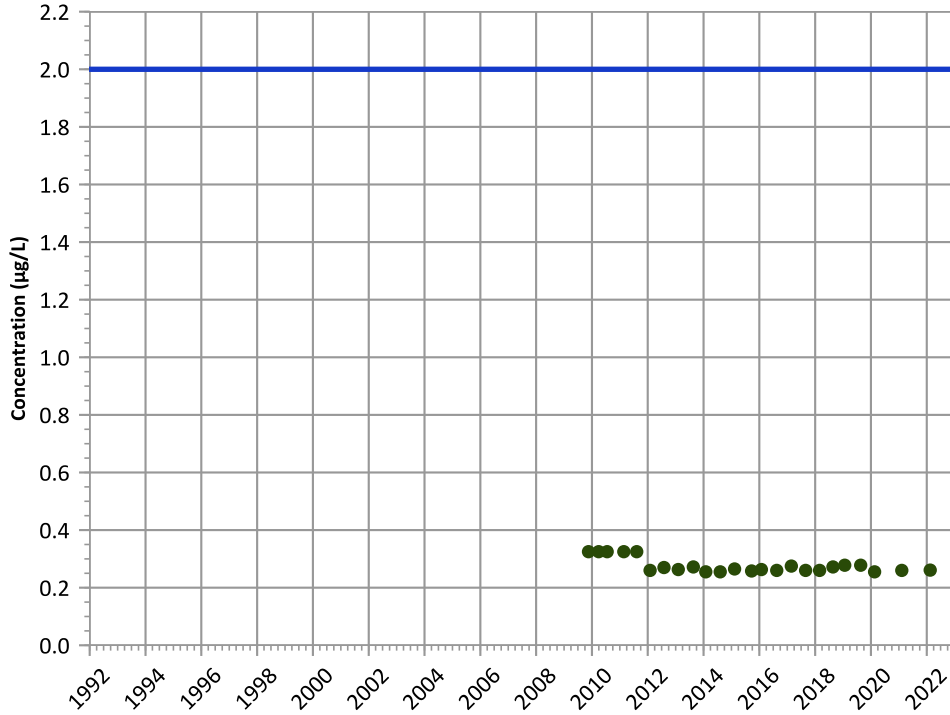
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

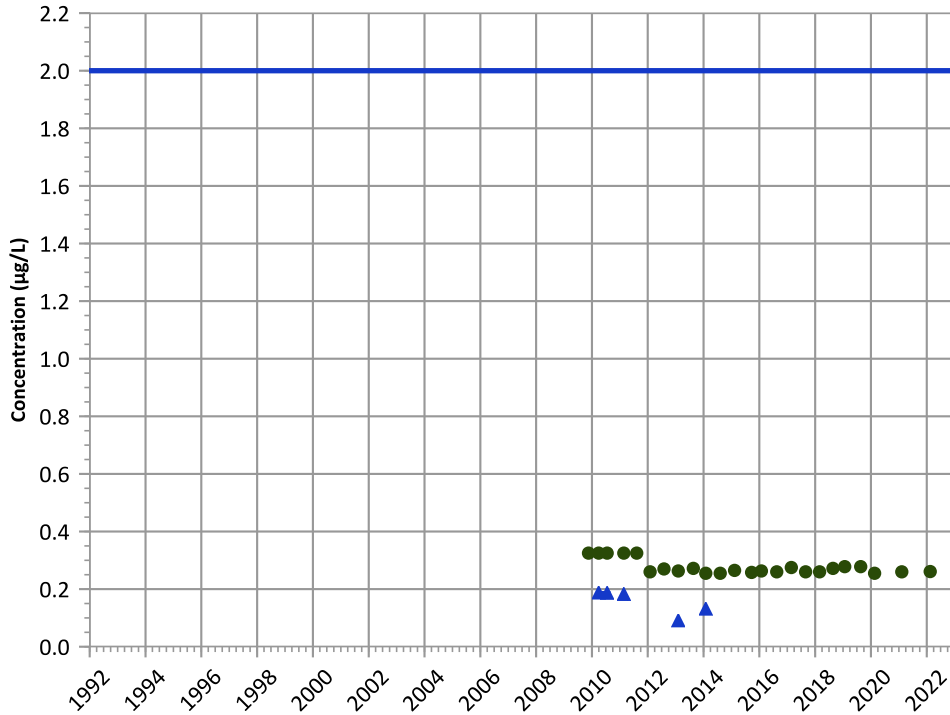


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

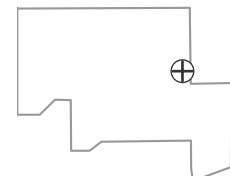
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

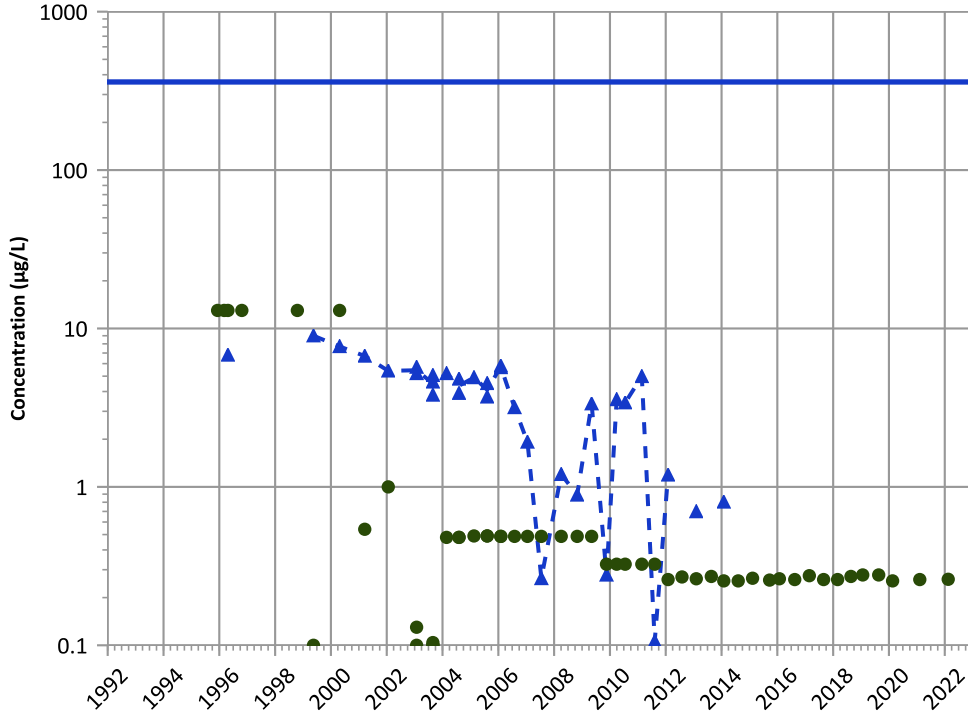
**Well Location**





PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

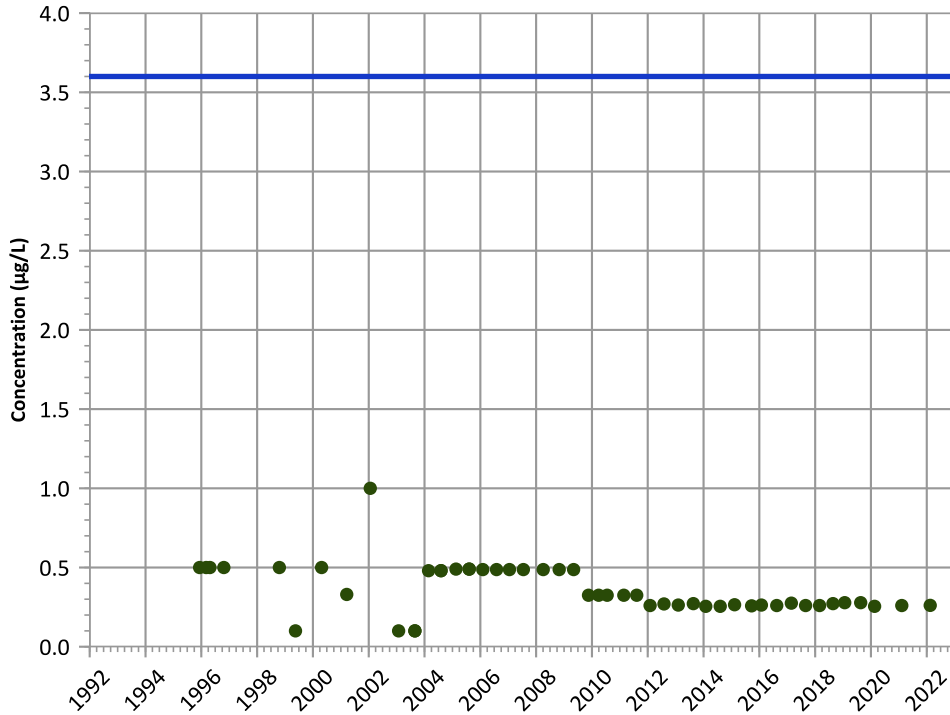


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Increasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

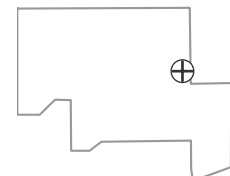
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

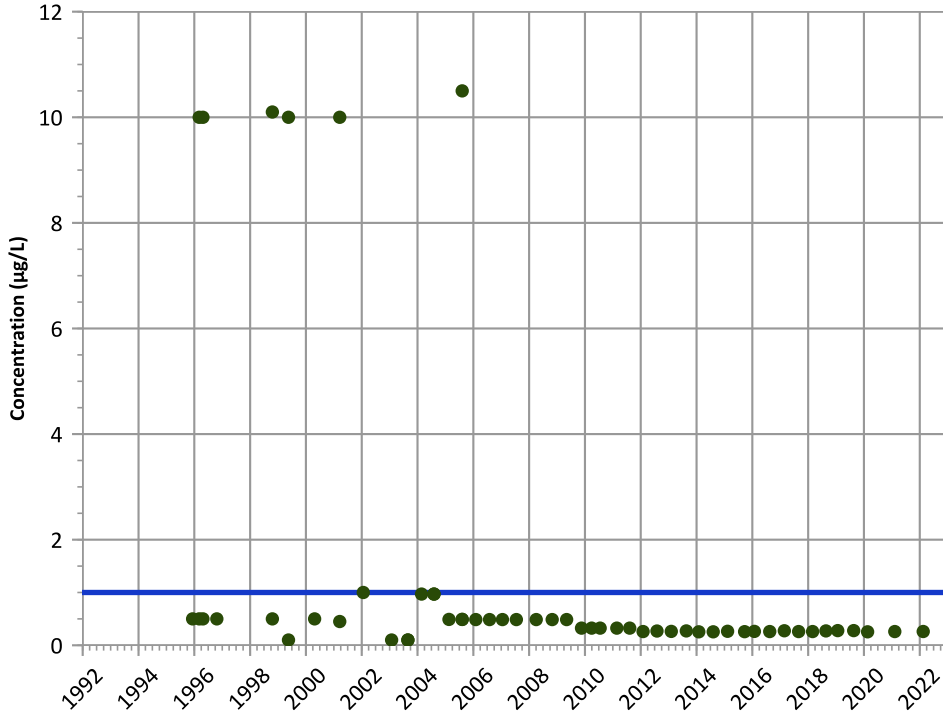
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

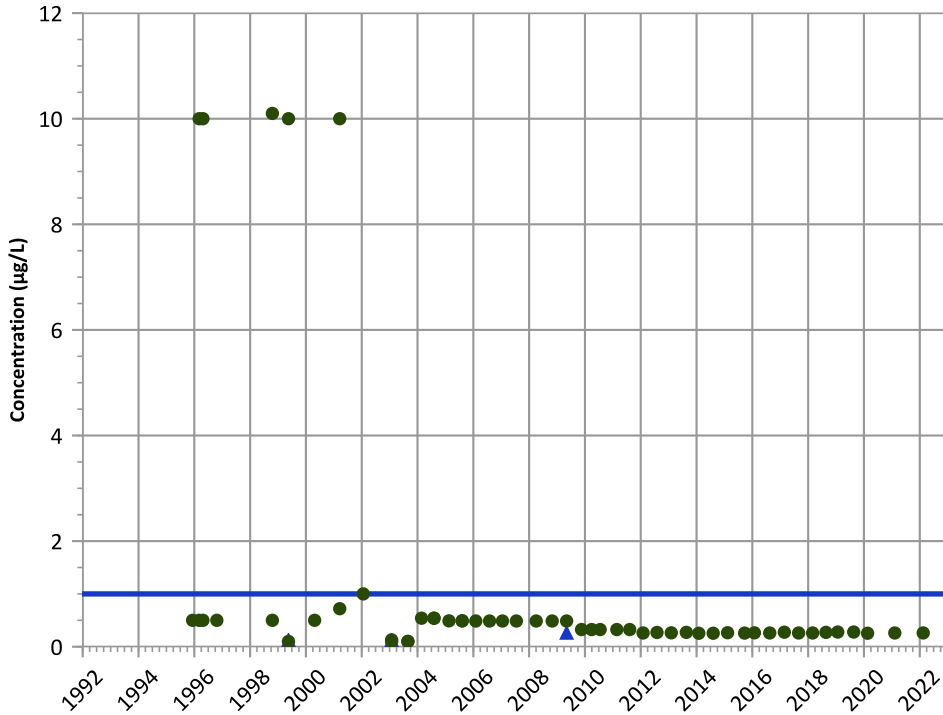


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

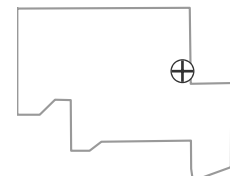
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

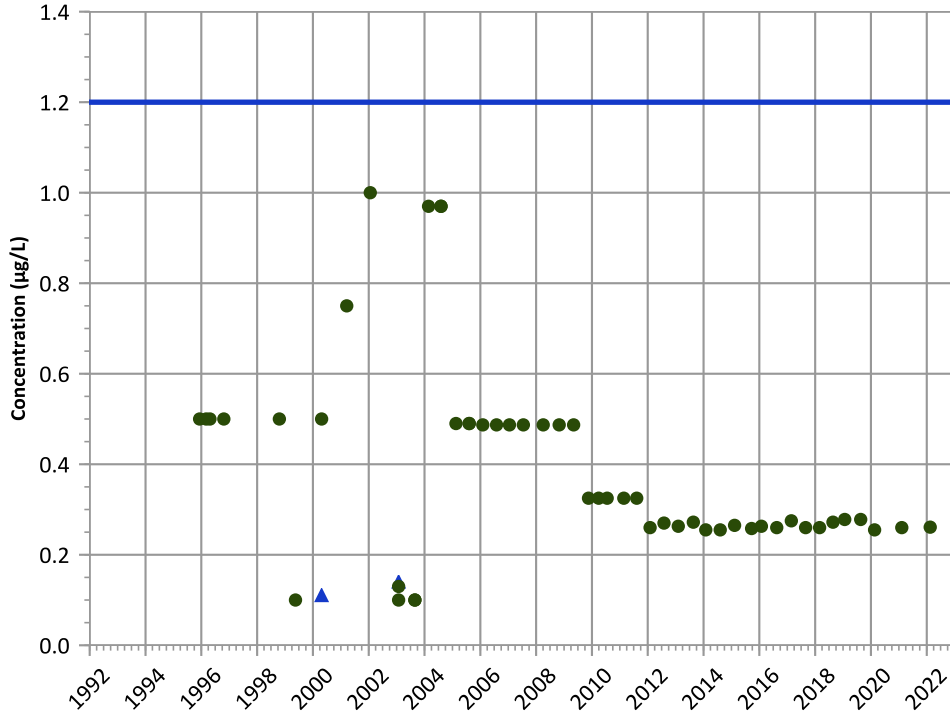
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

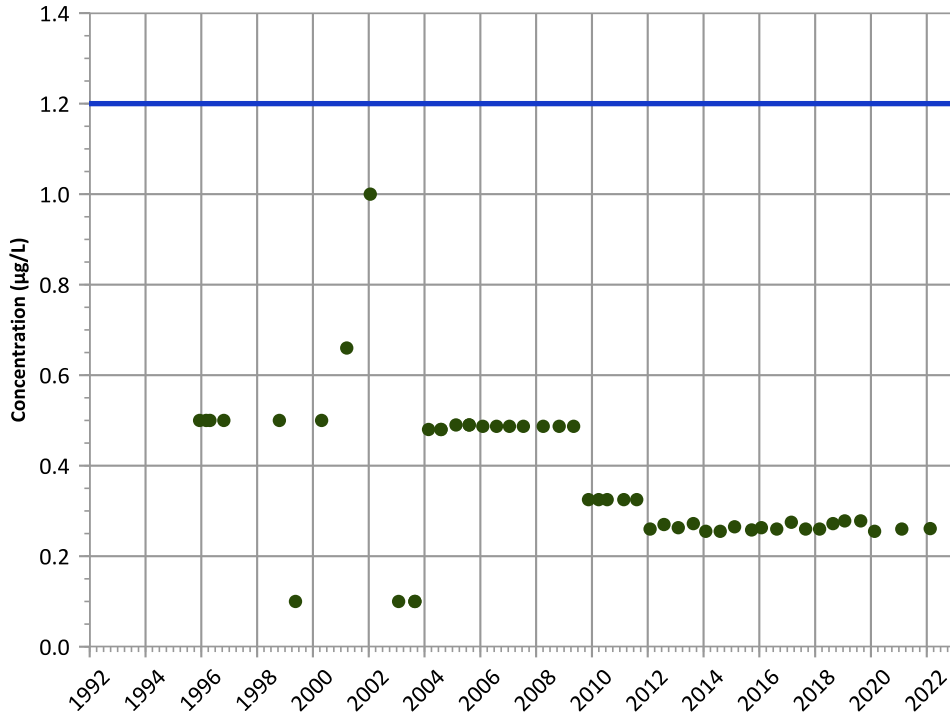


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

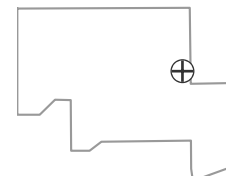
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

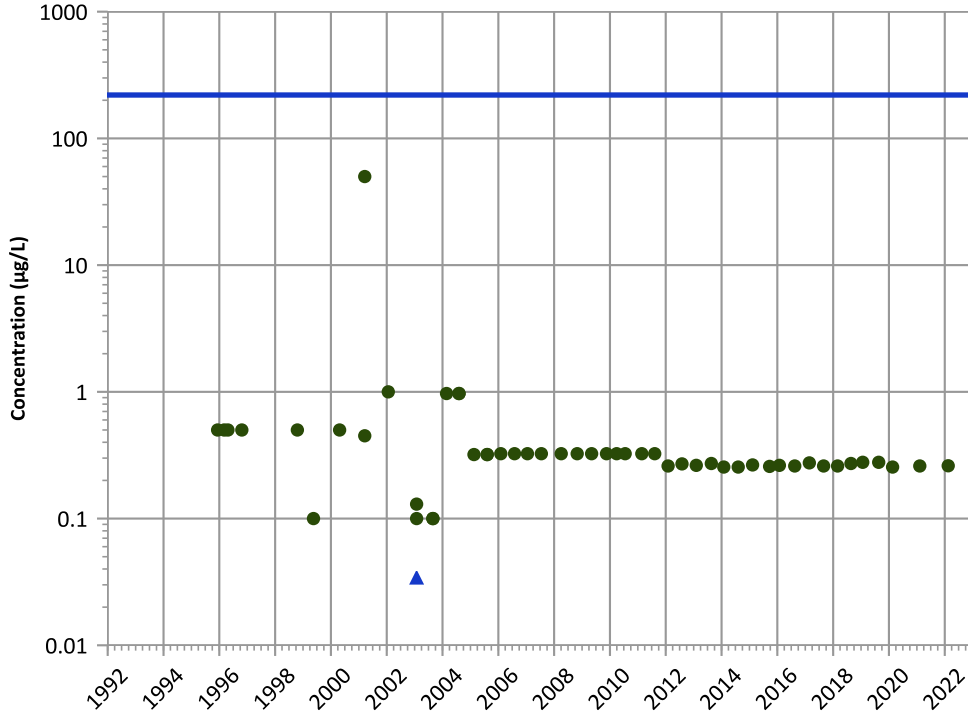
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

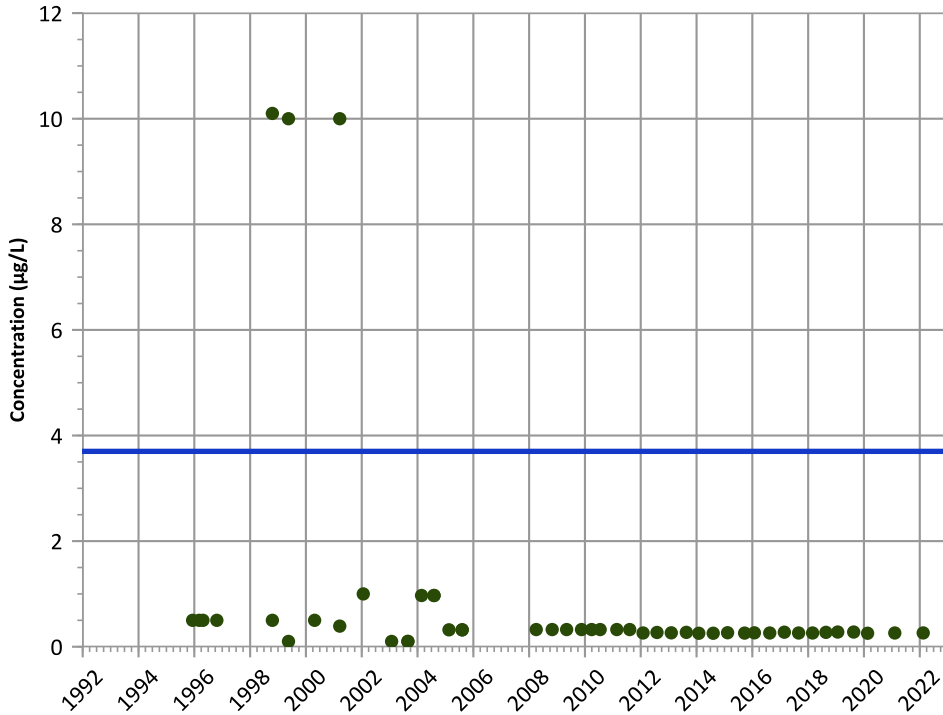


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

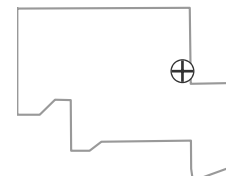
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

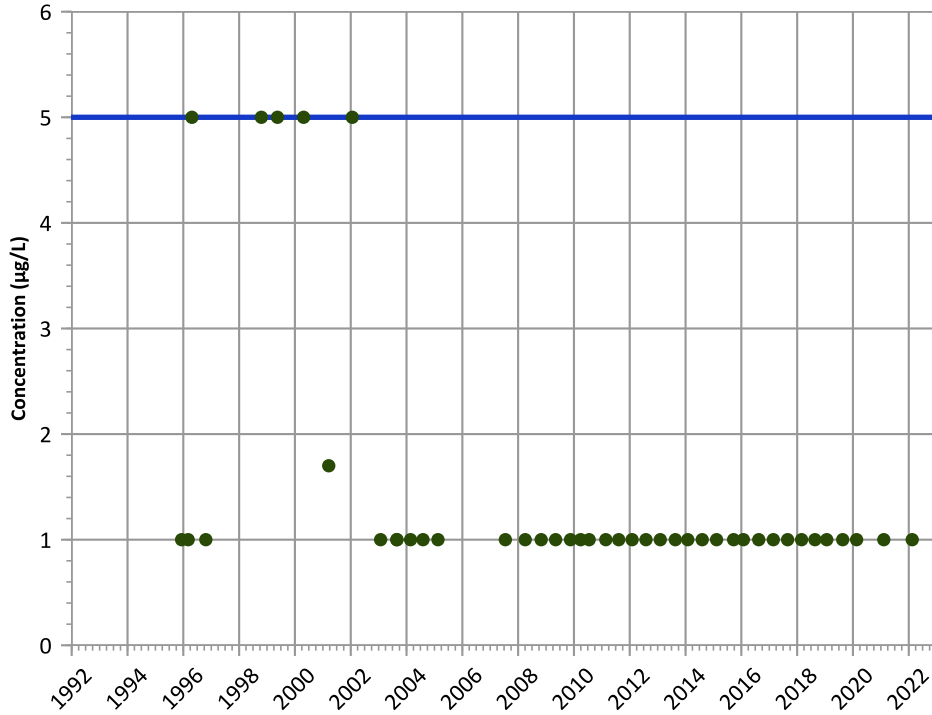
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

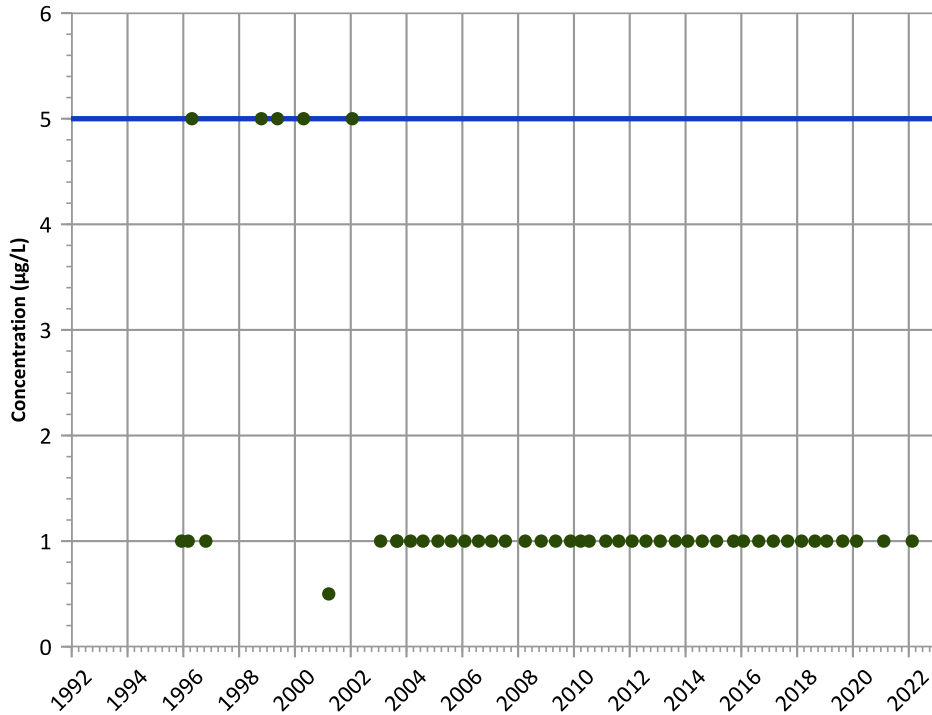
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

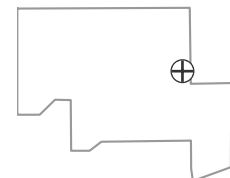
2020 - 2022 Data:

All Non-Detect

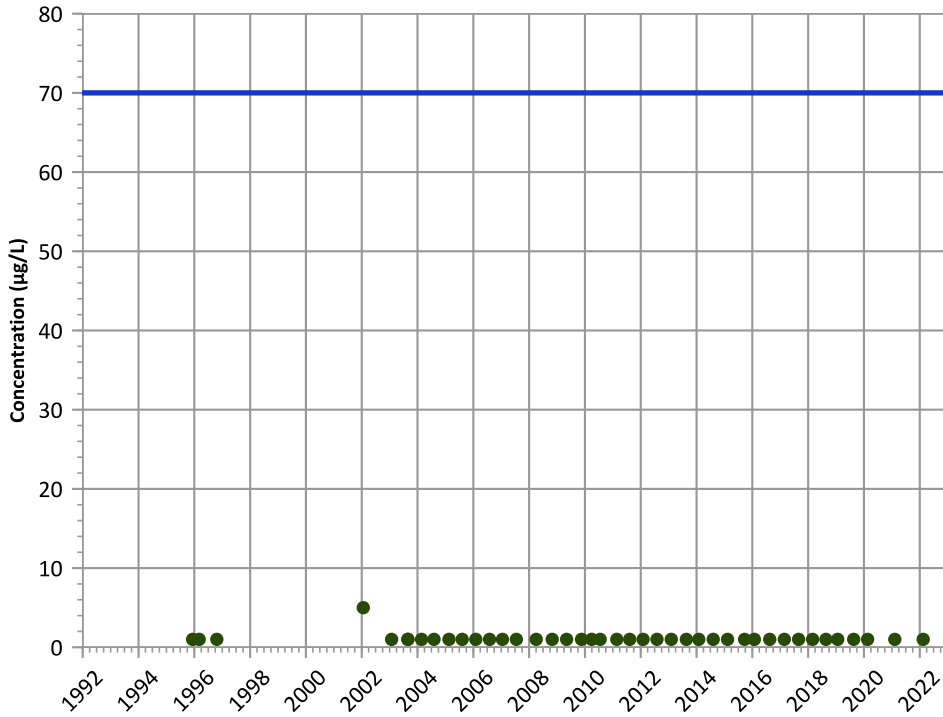
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

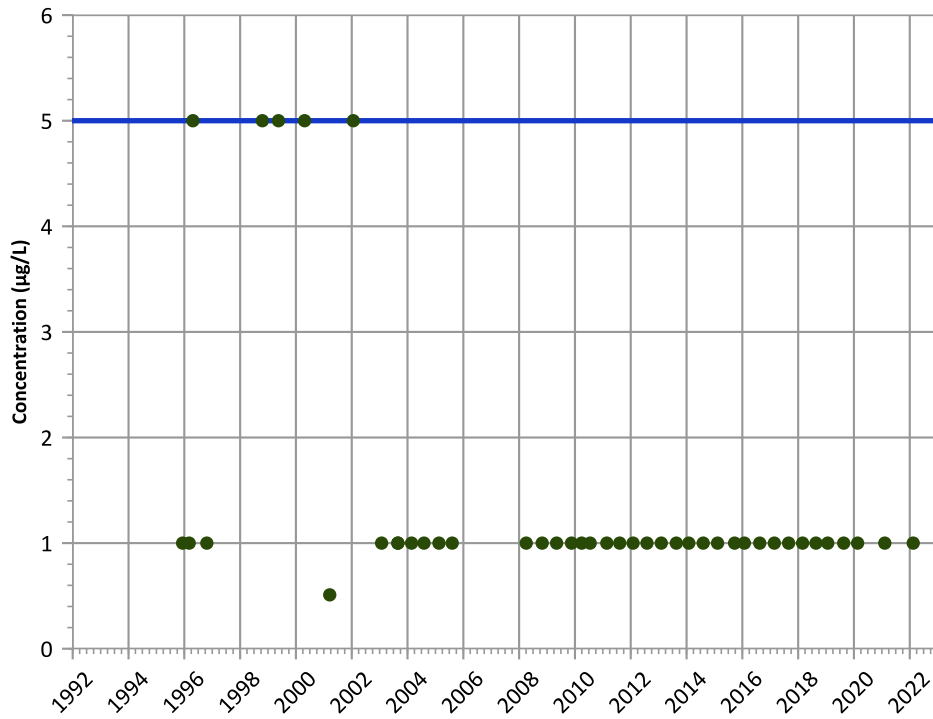
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

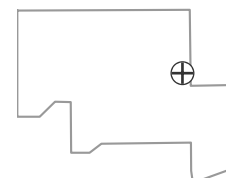
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

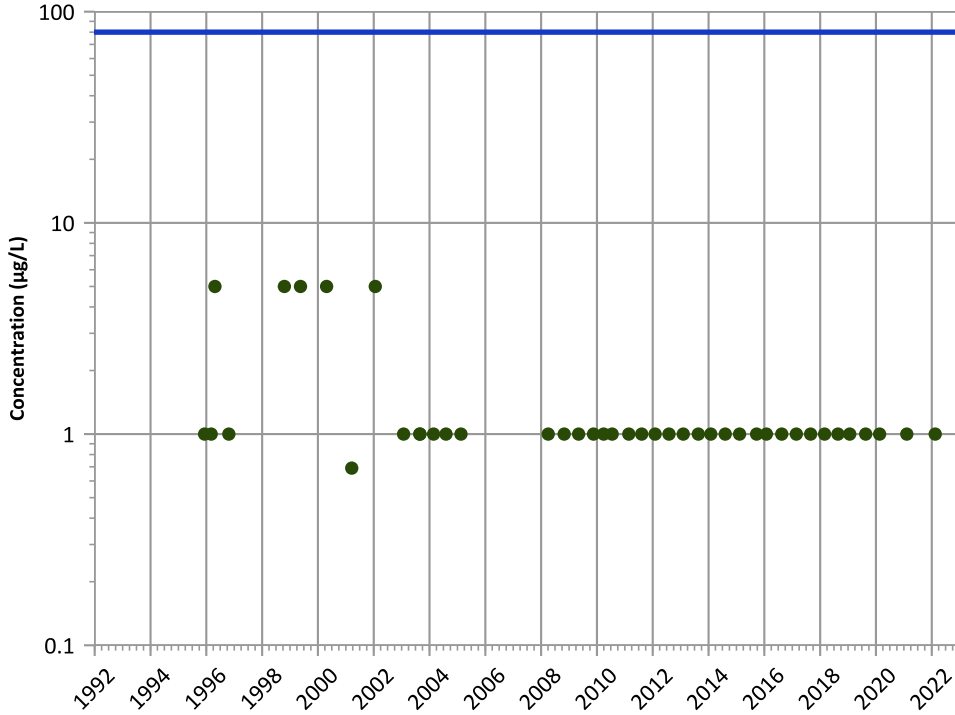
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

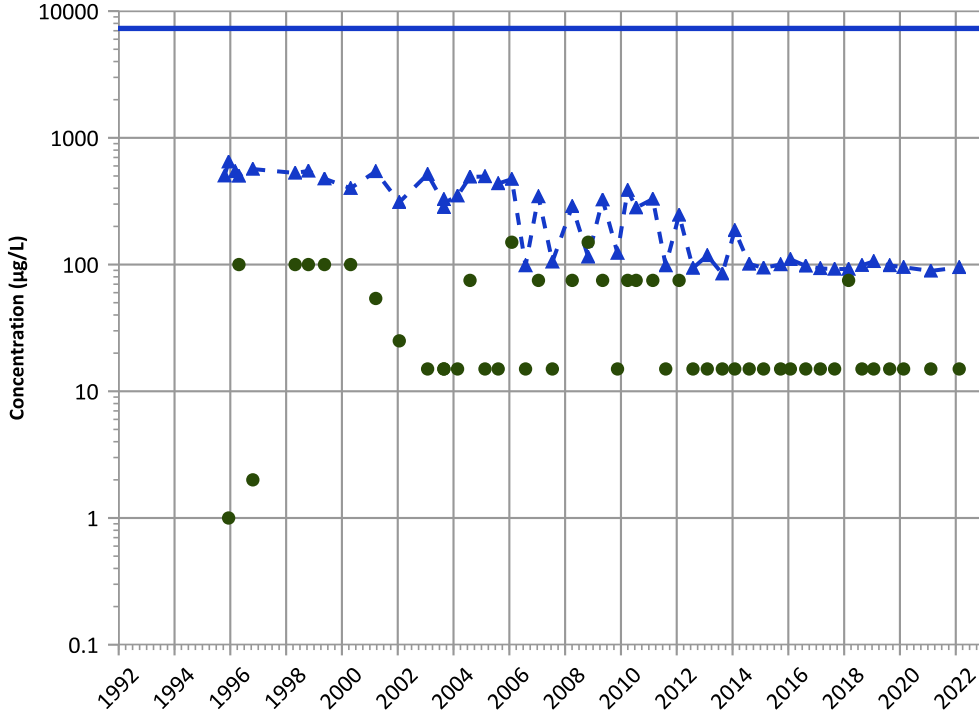
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

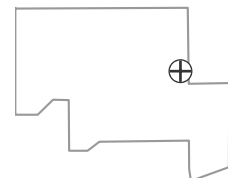
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

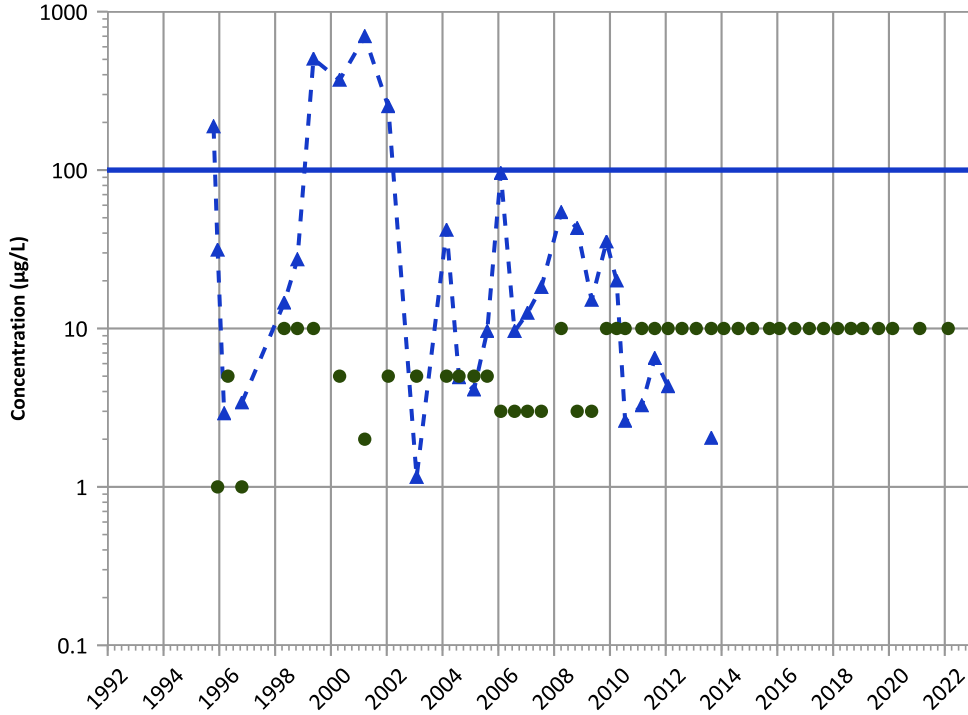
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

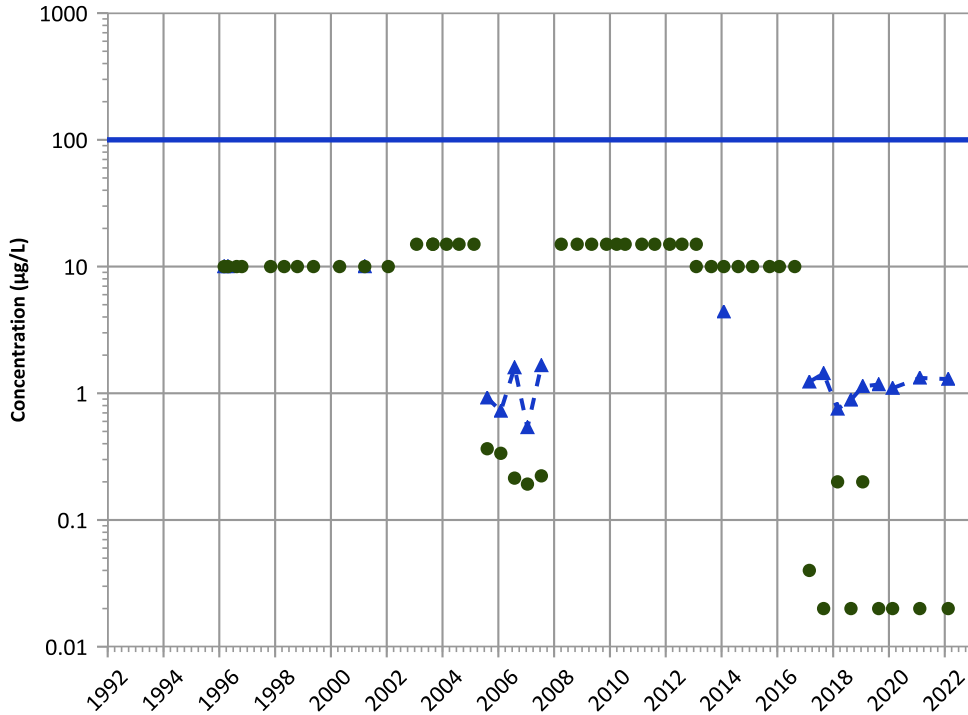


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Chromium, Hexavalent Trend



Concentration Trend

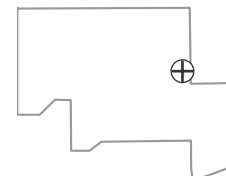
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

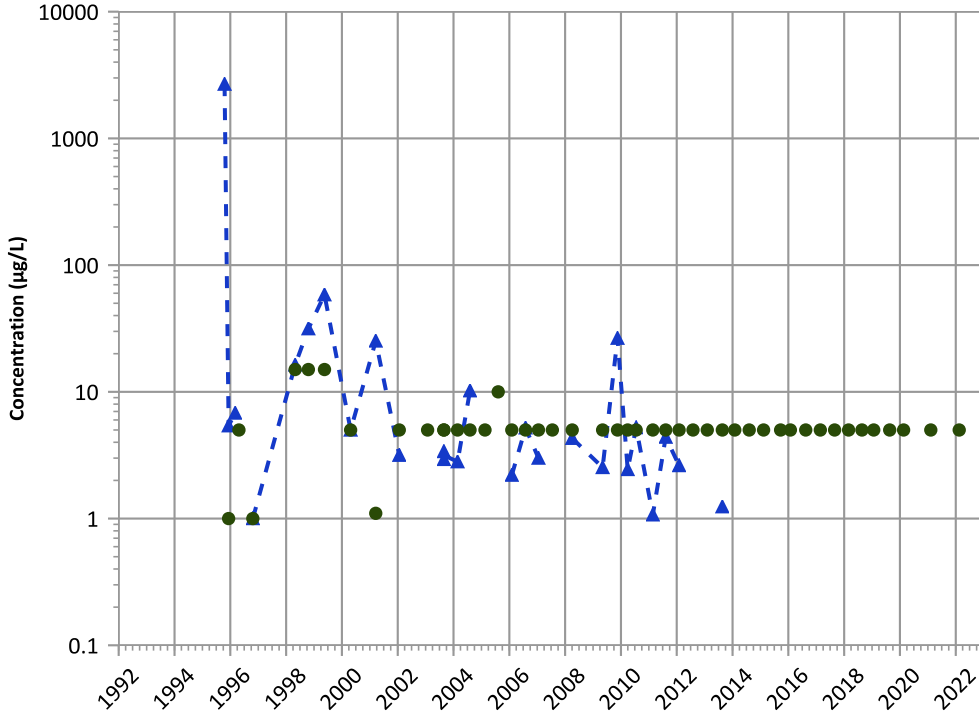
Well Location





PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

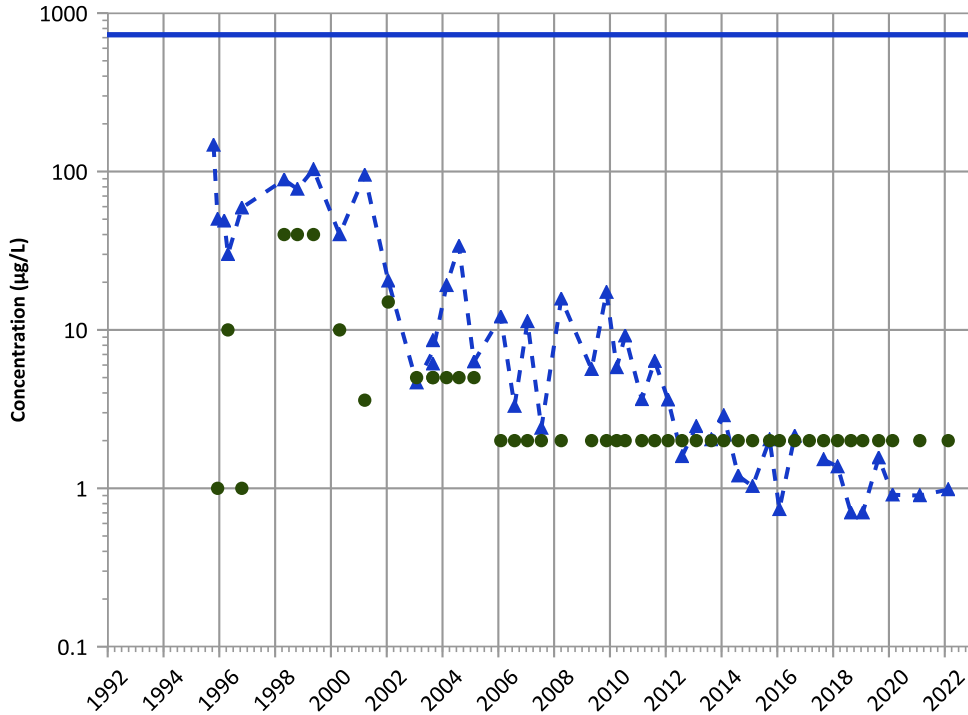


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Nickel Trend



Concentration Trend

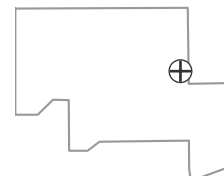
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

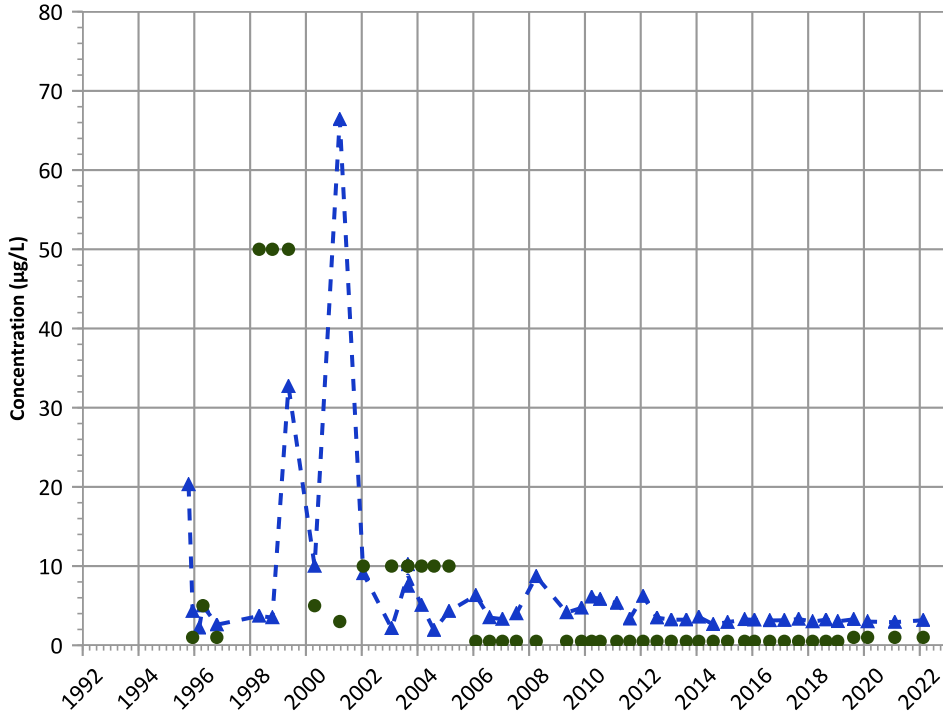
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

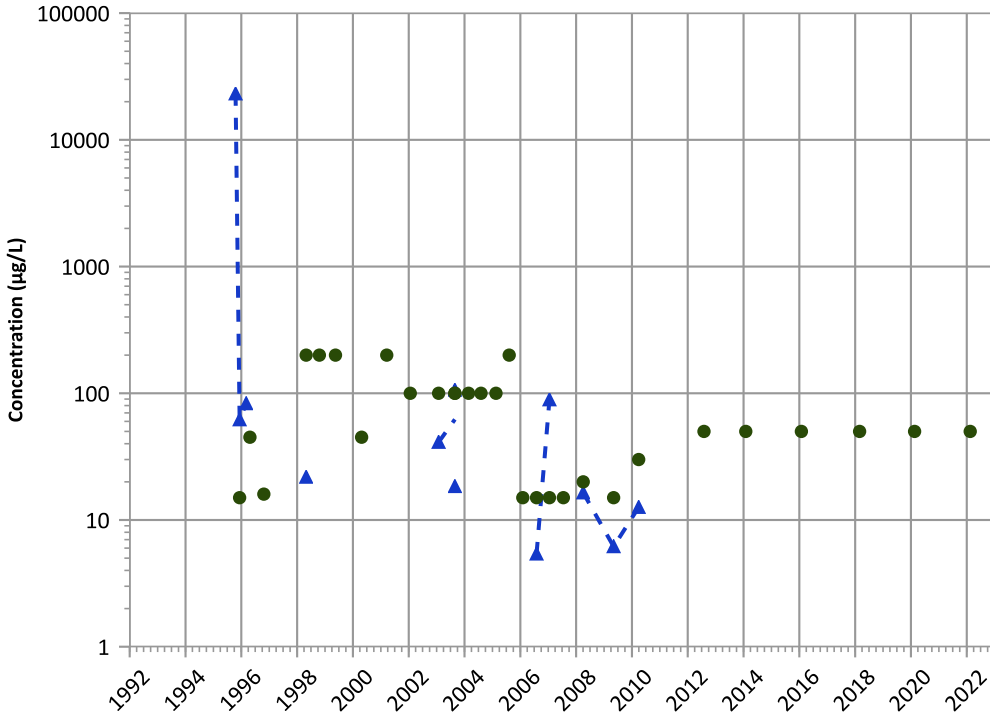
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

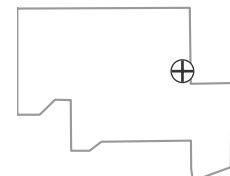
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

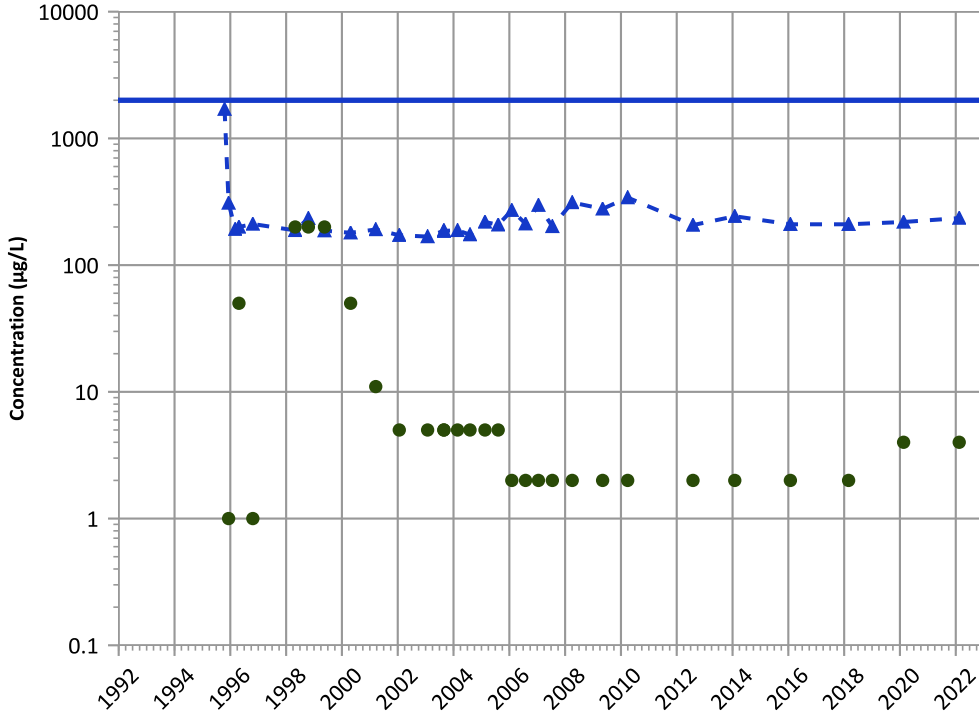
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

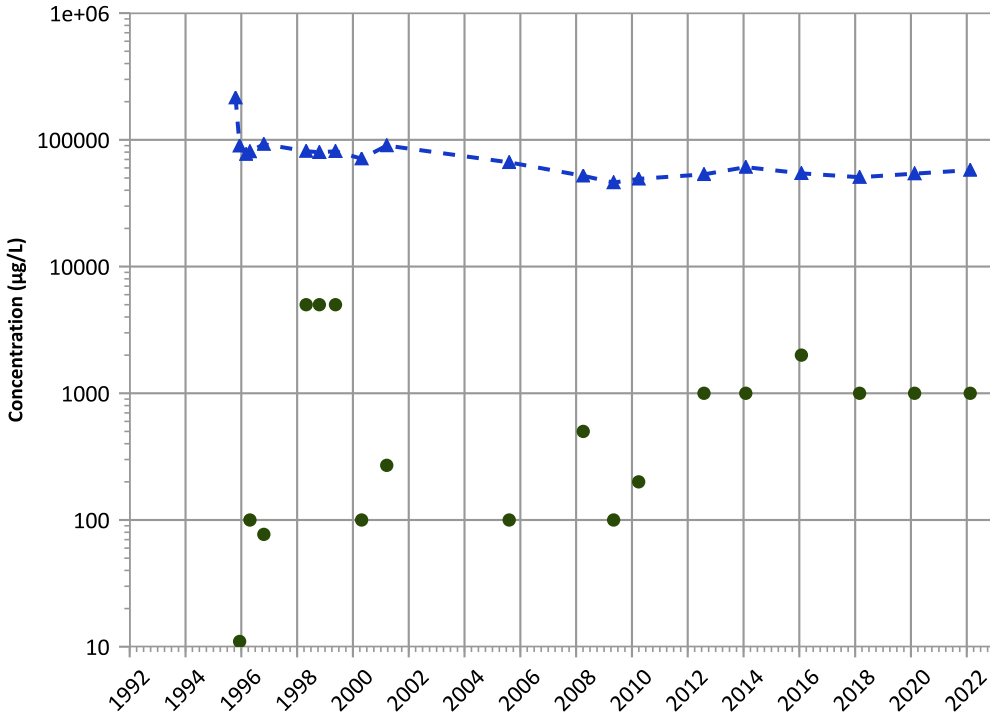


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

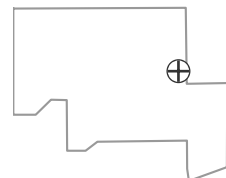
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

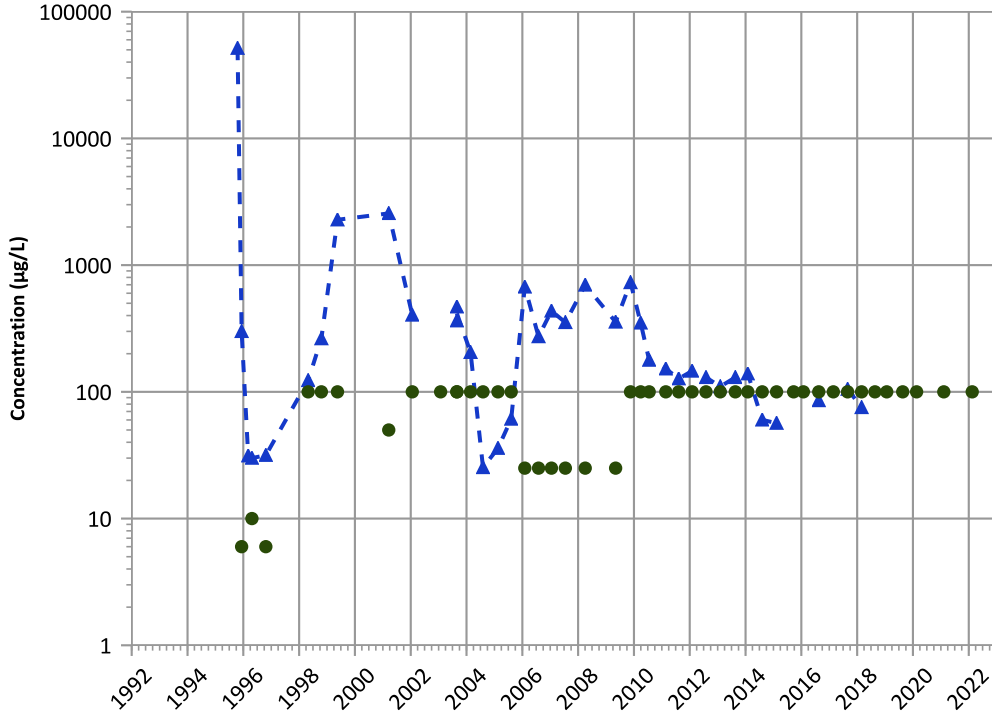
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

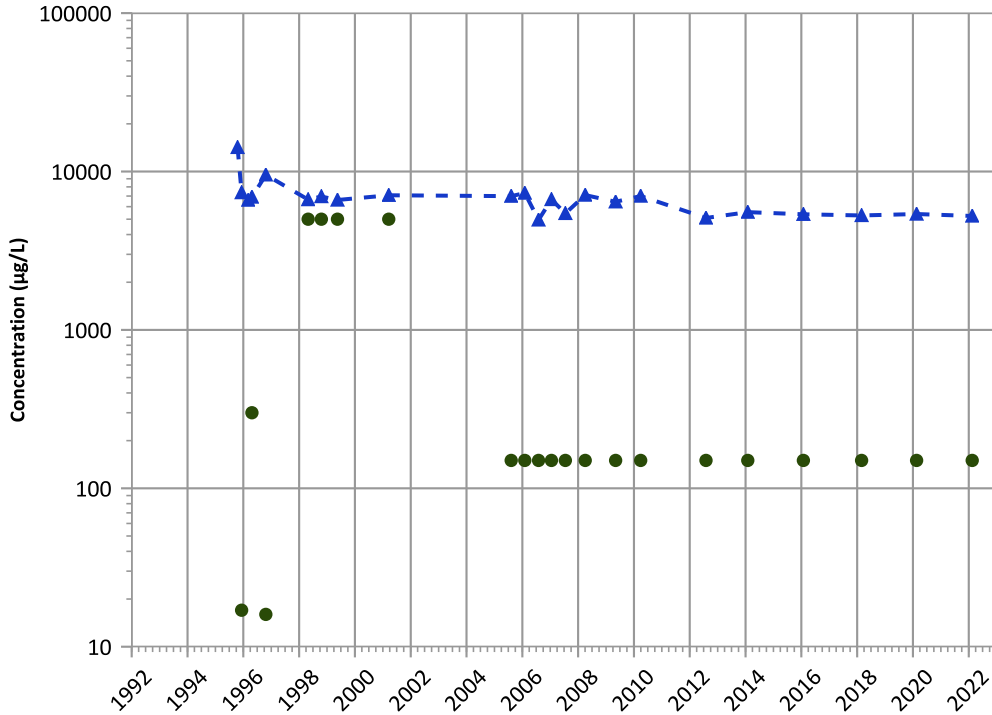
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

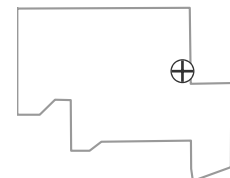
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

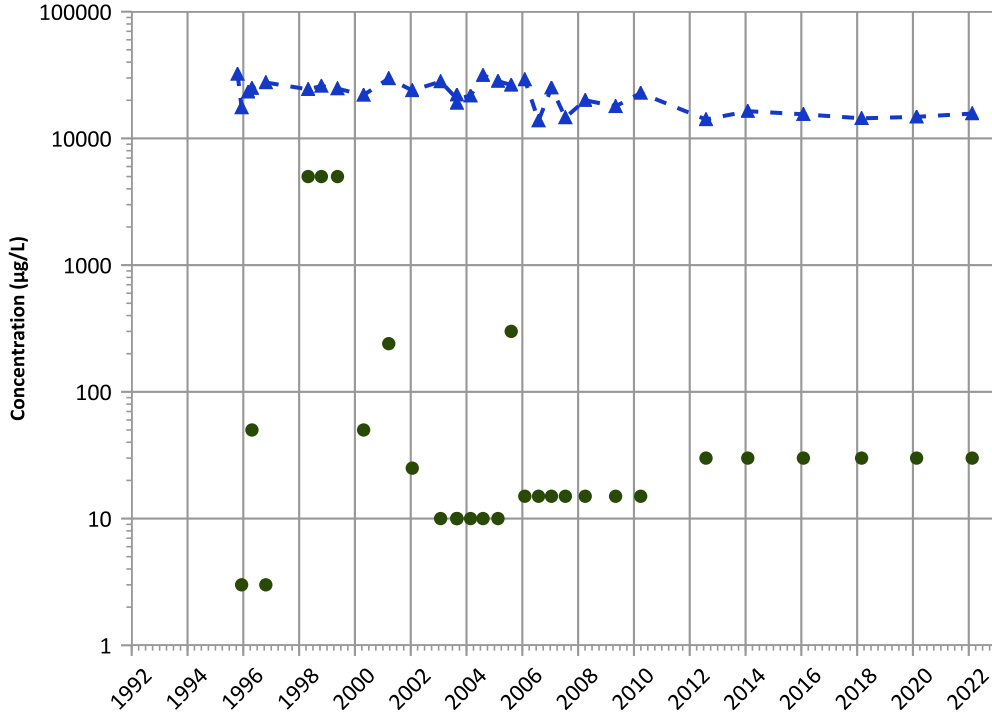
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

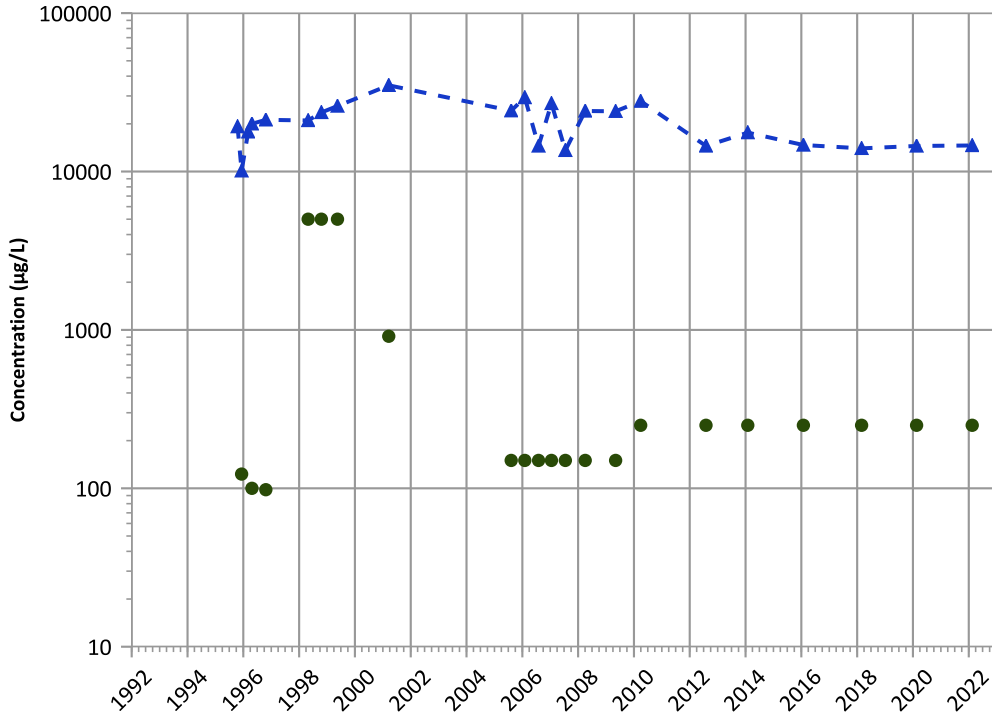
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

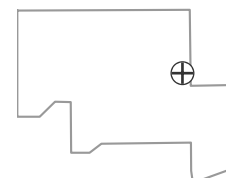
2020 - 2022 Data:

No Trend

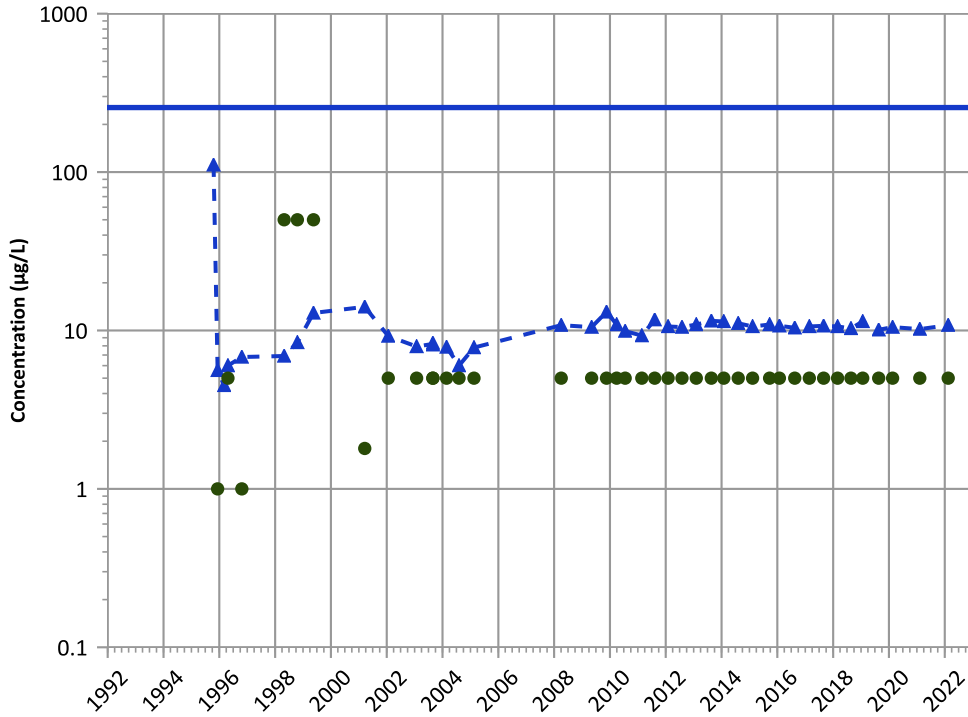
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/18/1995 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



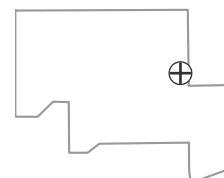
**PTX06-1023 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



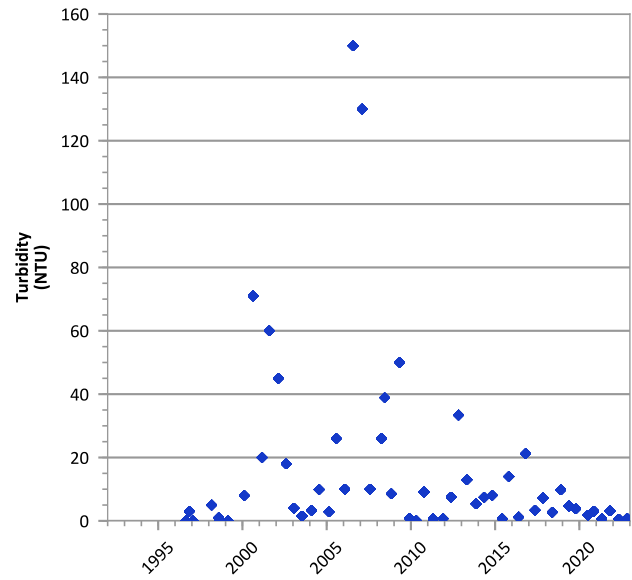
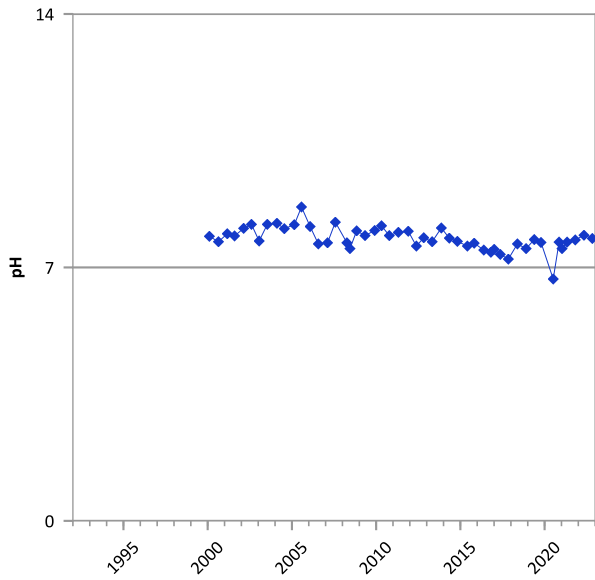
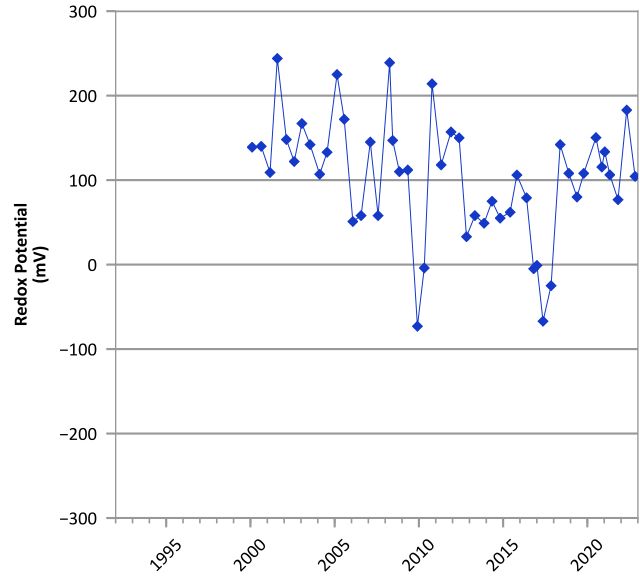
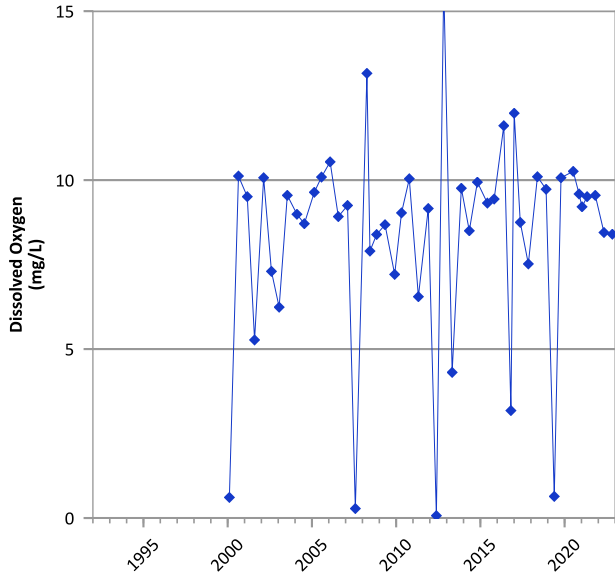
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/18/1995 to 02/15/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

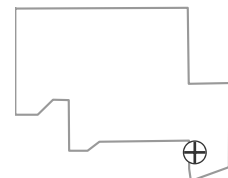


**PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



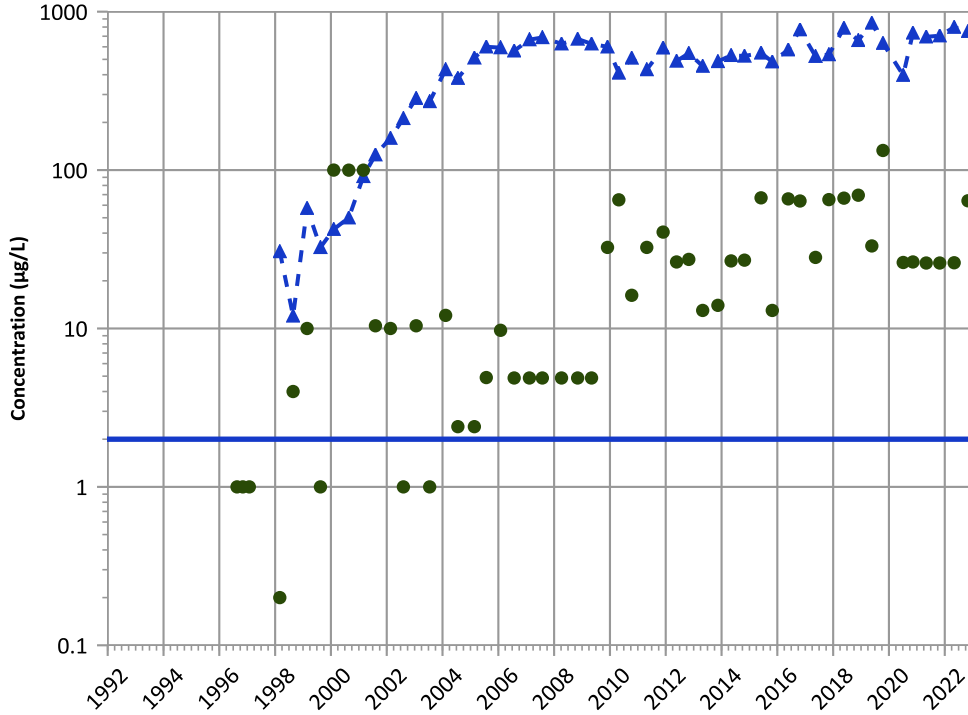
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

**Well Location**



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

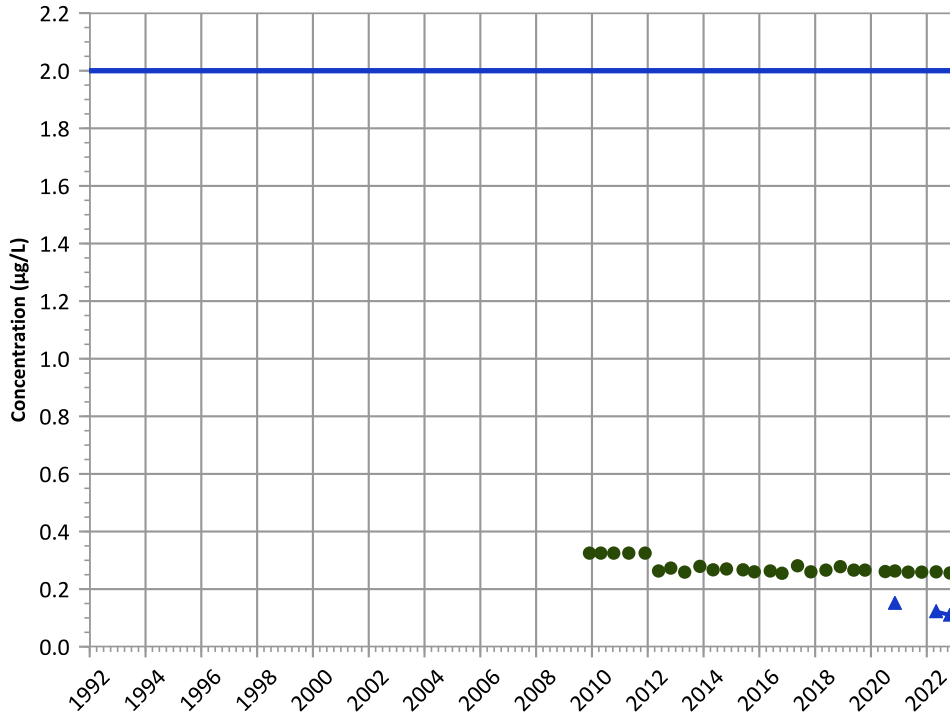


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

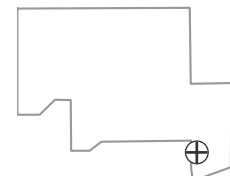


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

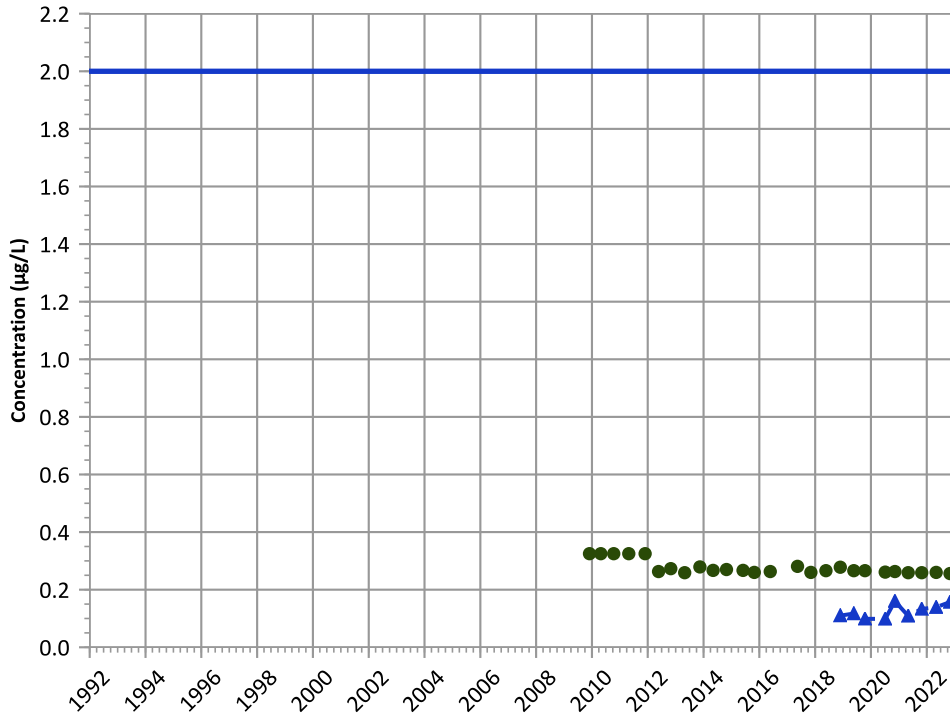


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

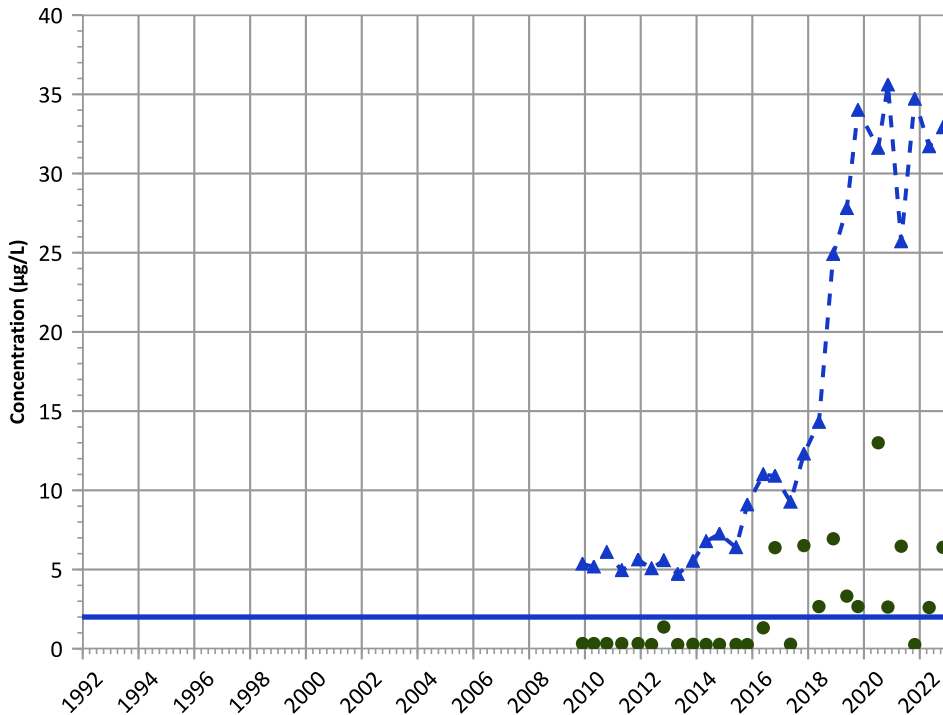


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

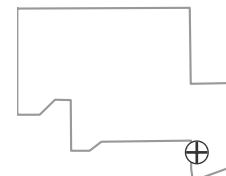
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

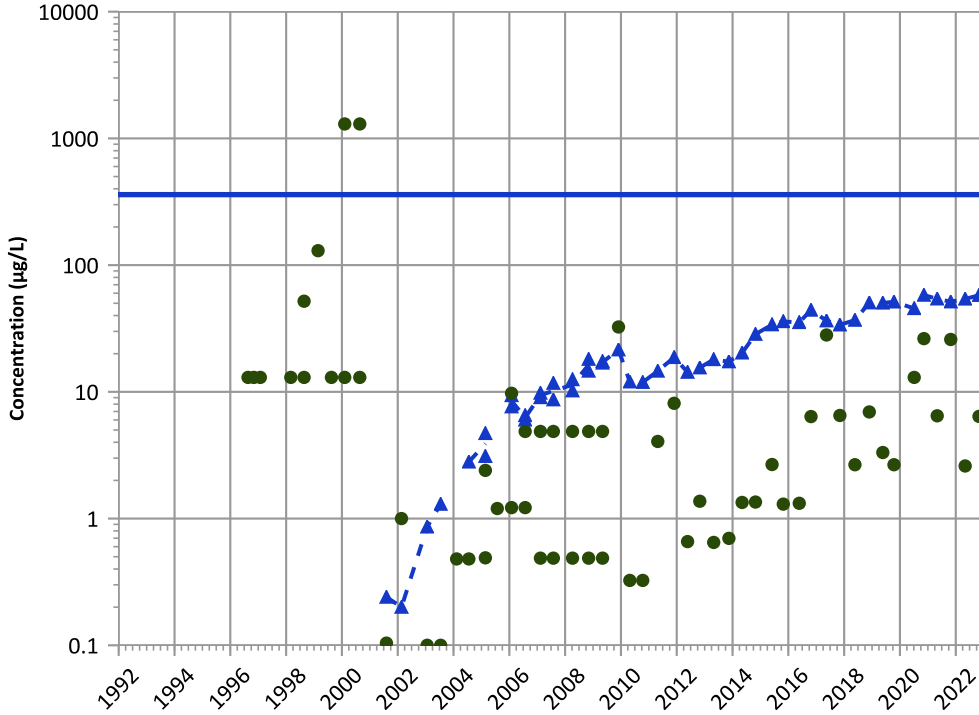
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

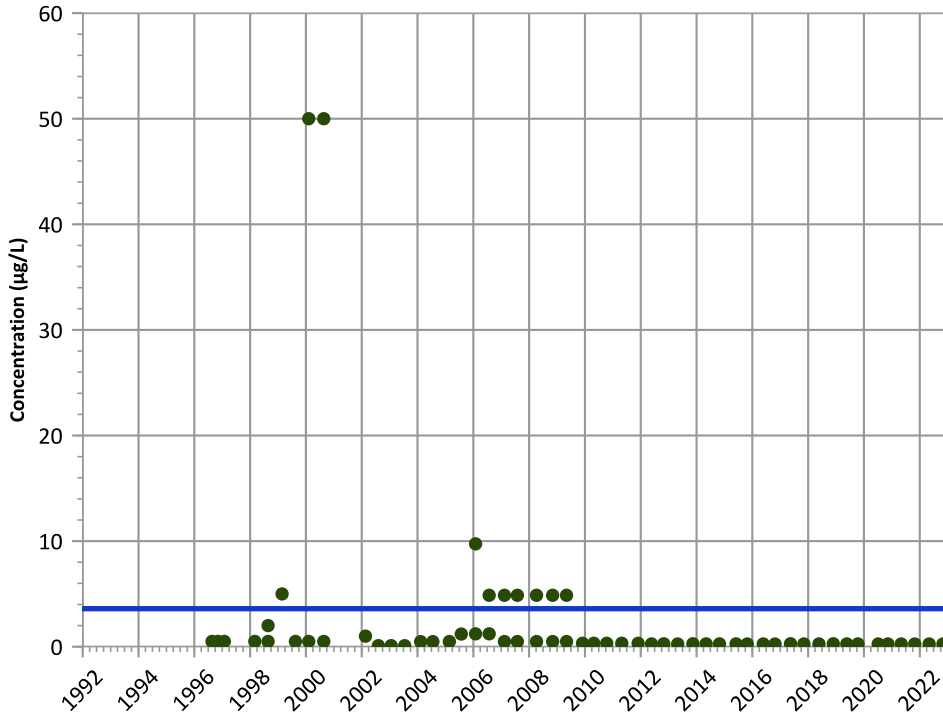


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

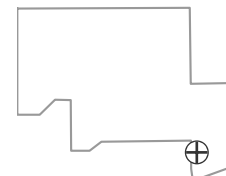
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

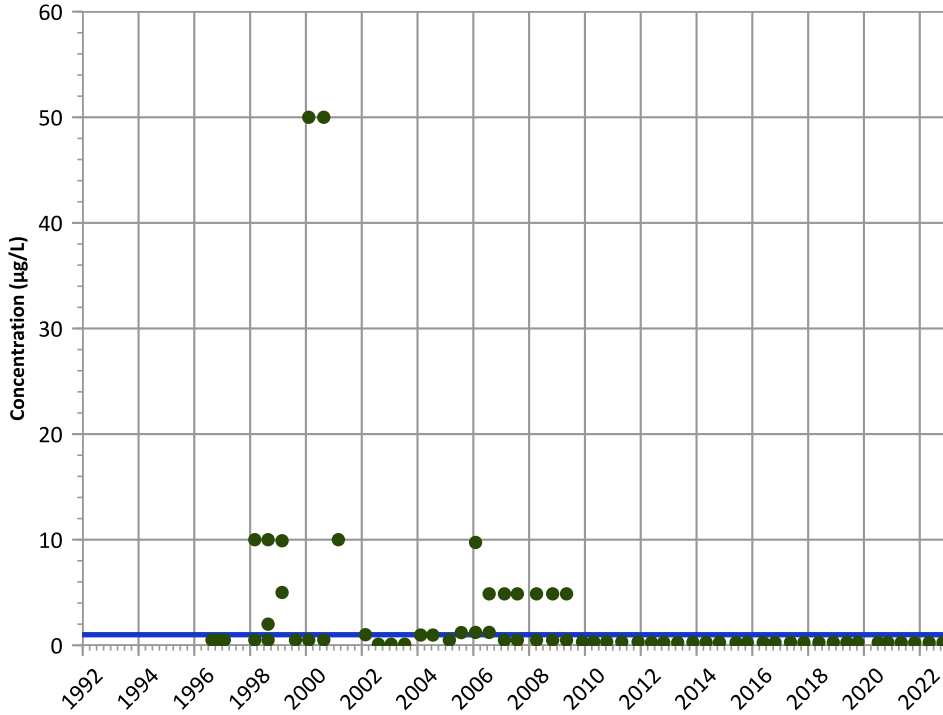
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

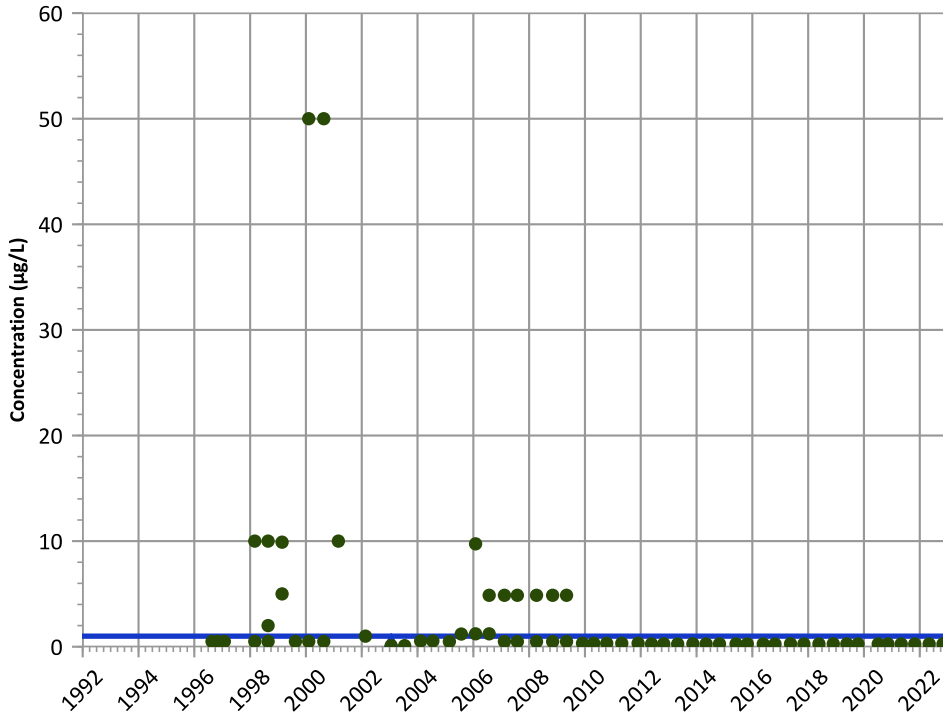
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

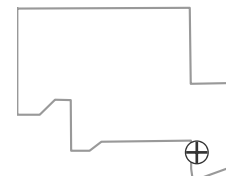
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

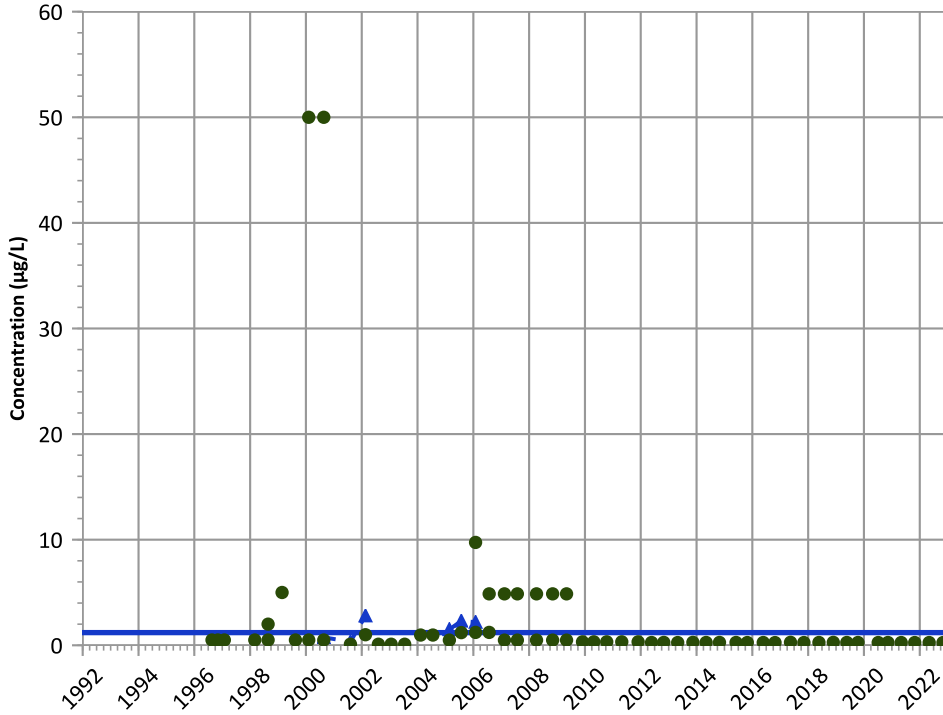
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

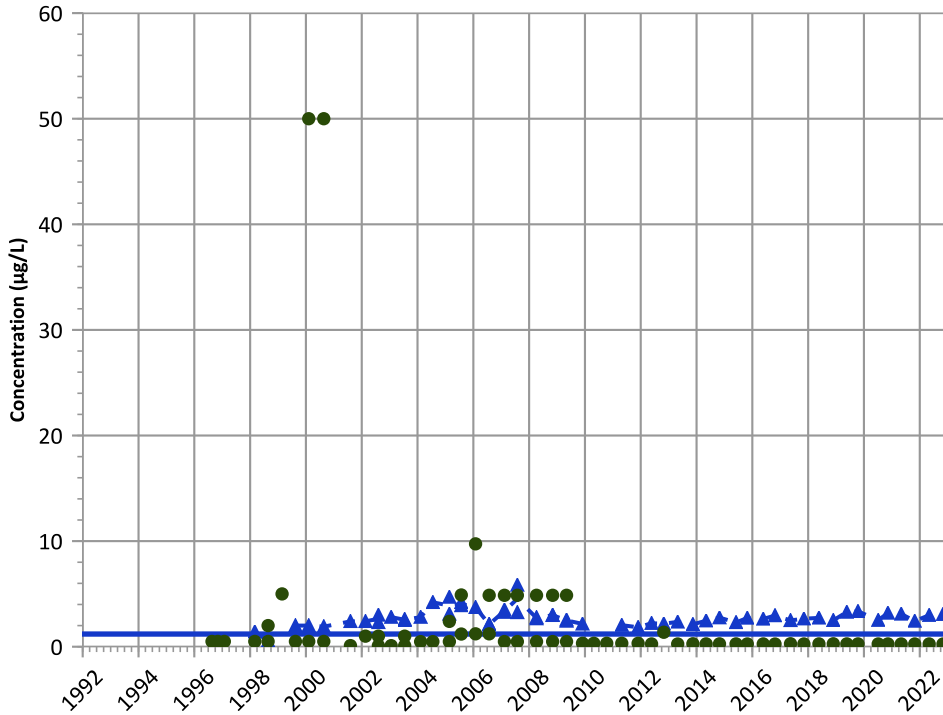
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

Probably Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

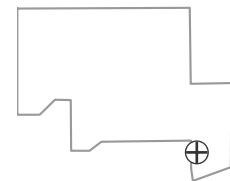
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

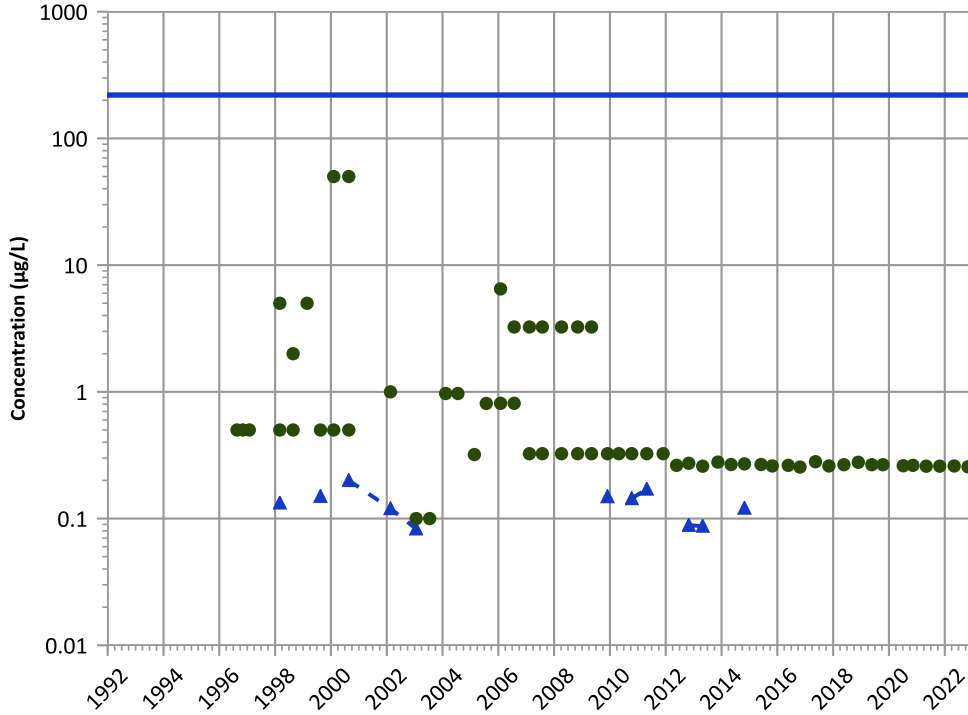


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

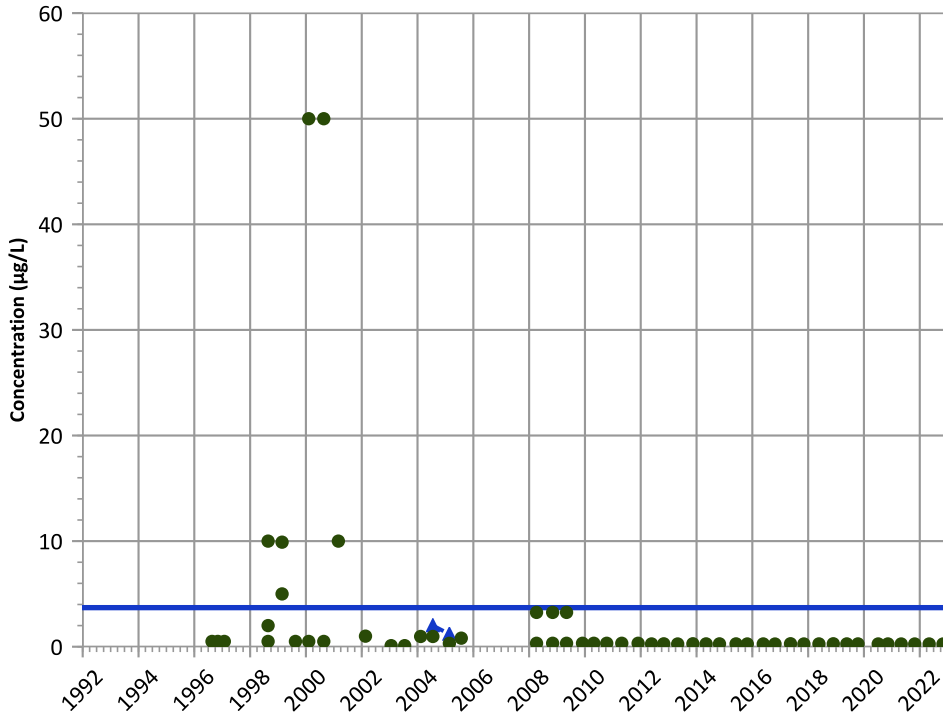


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

1,3-Dinitrobenzene Trend



Concentration Trend

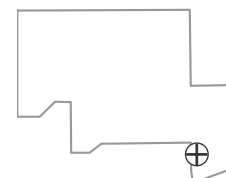
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

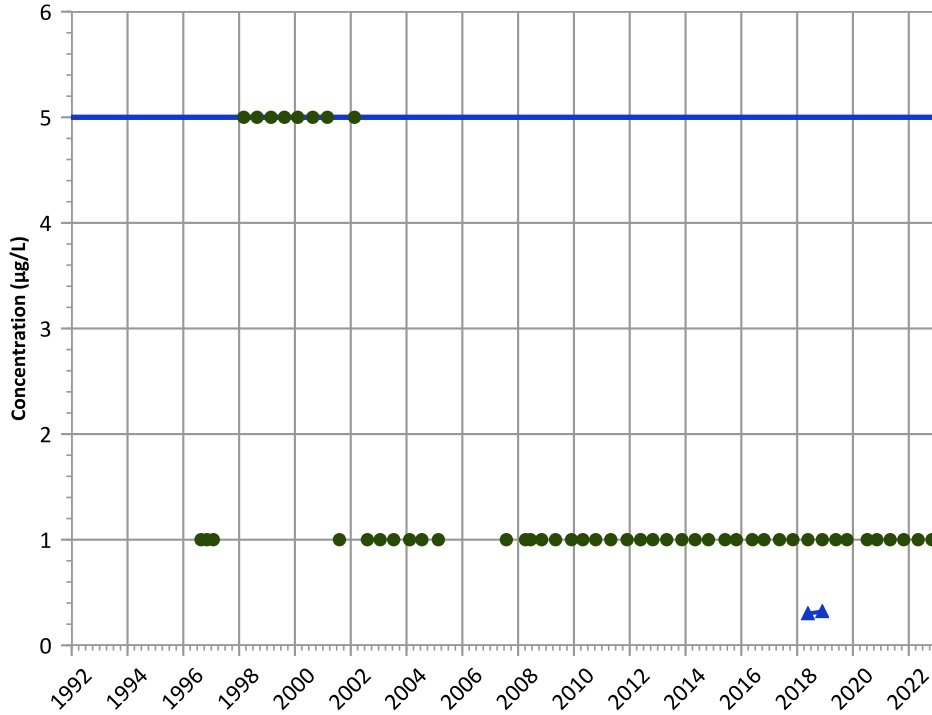
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

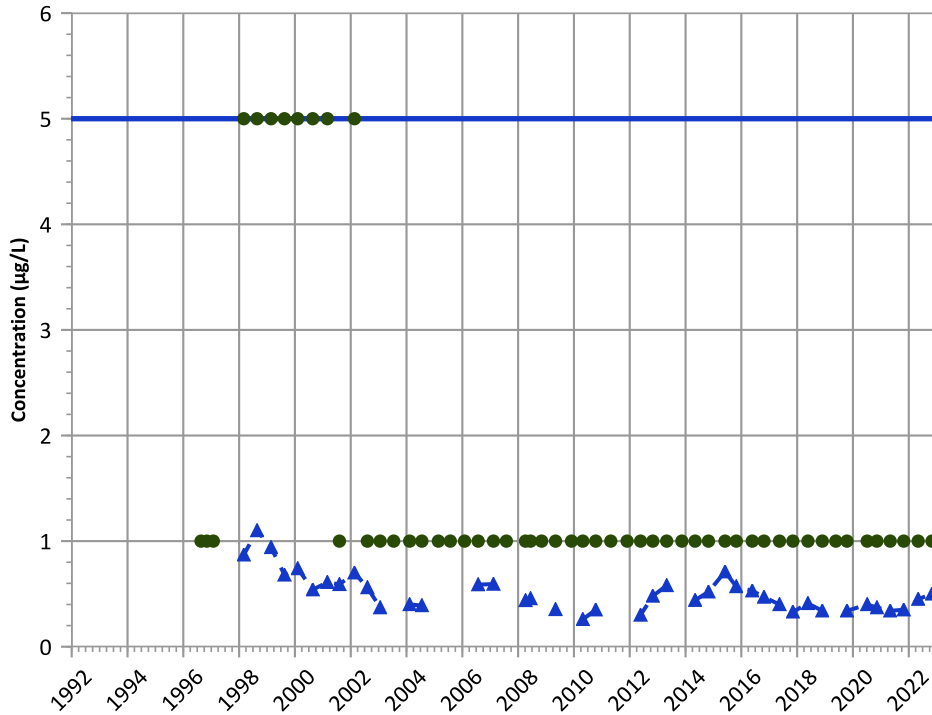


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

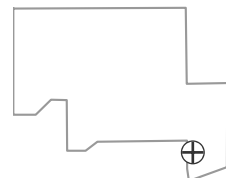
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

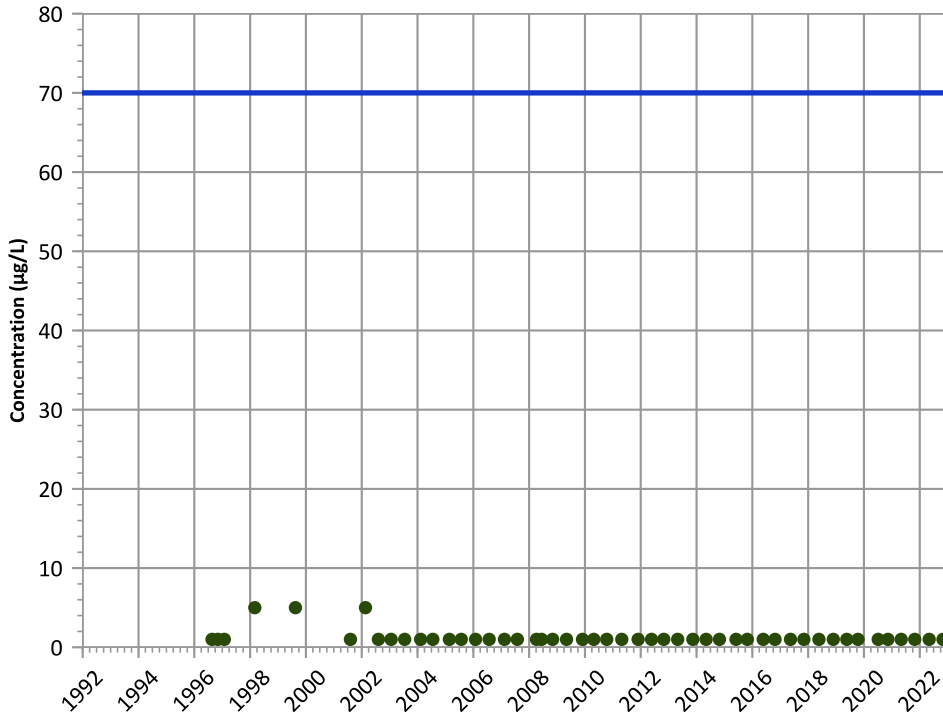
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

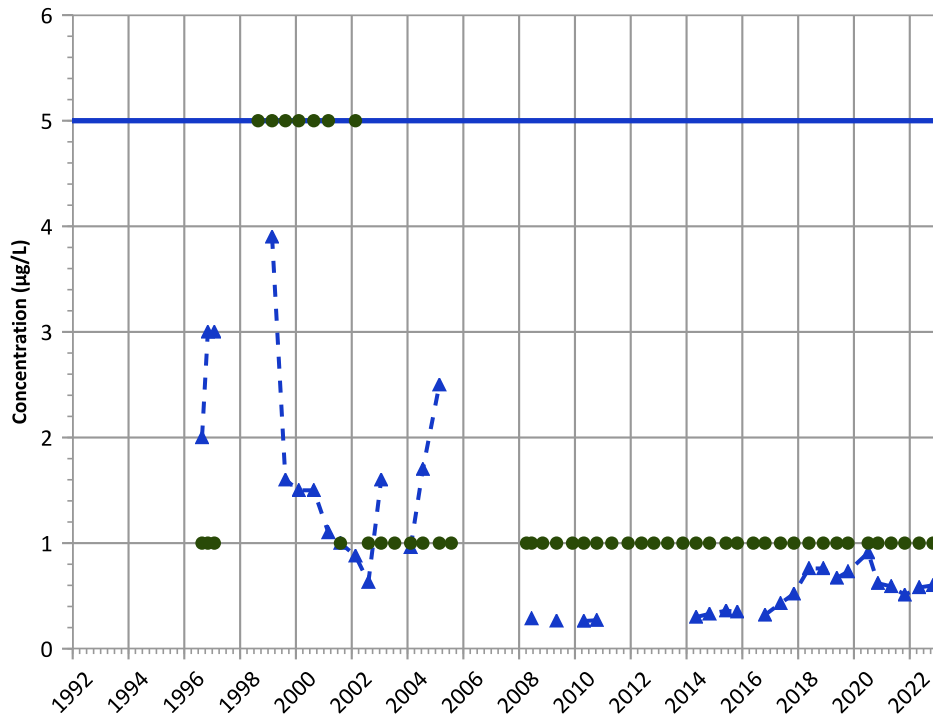
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Increasing

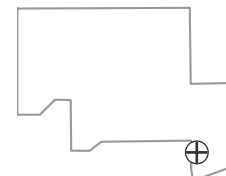
2020 - 2022 Data:

No Trend

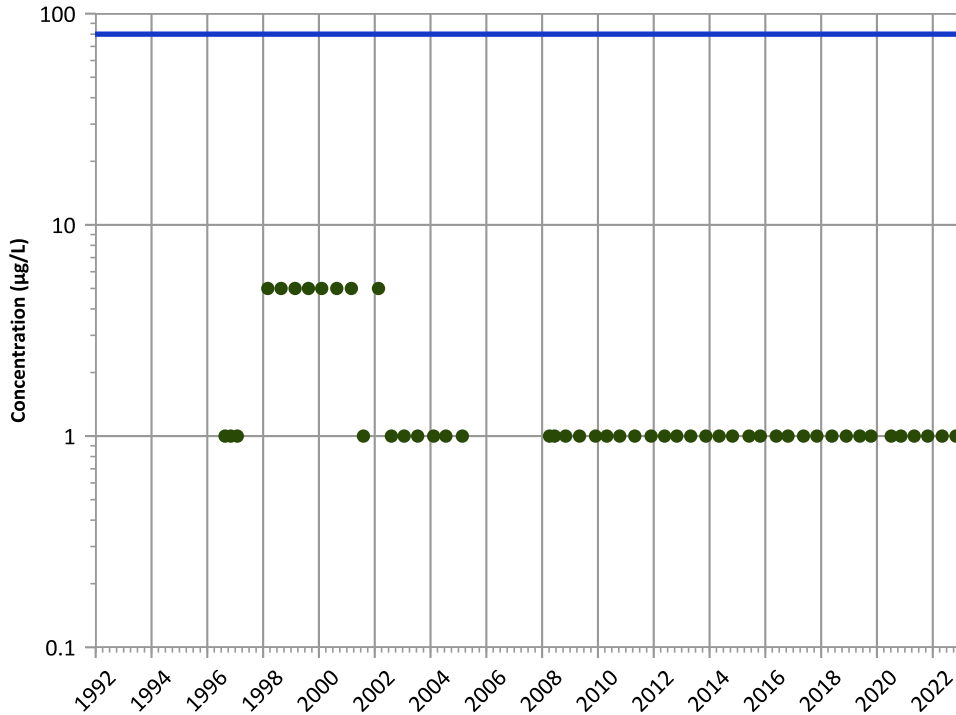
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend

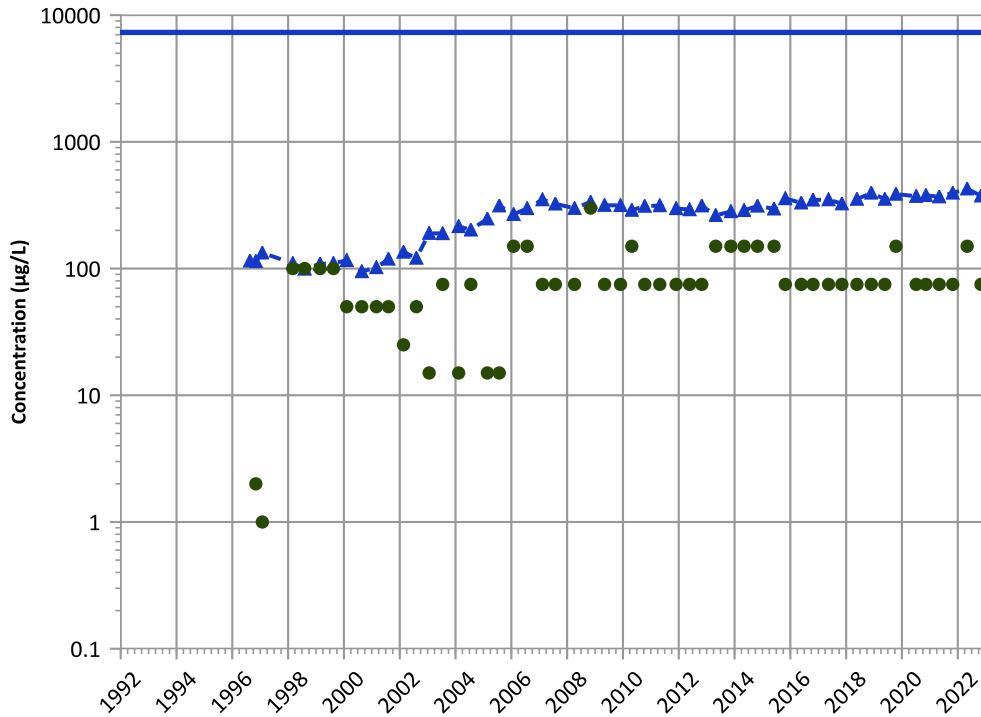


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Boron Trend



Concentration Trend

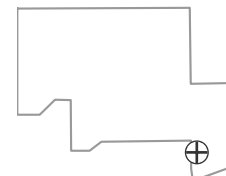
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

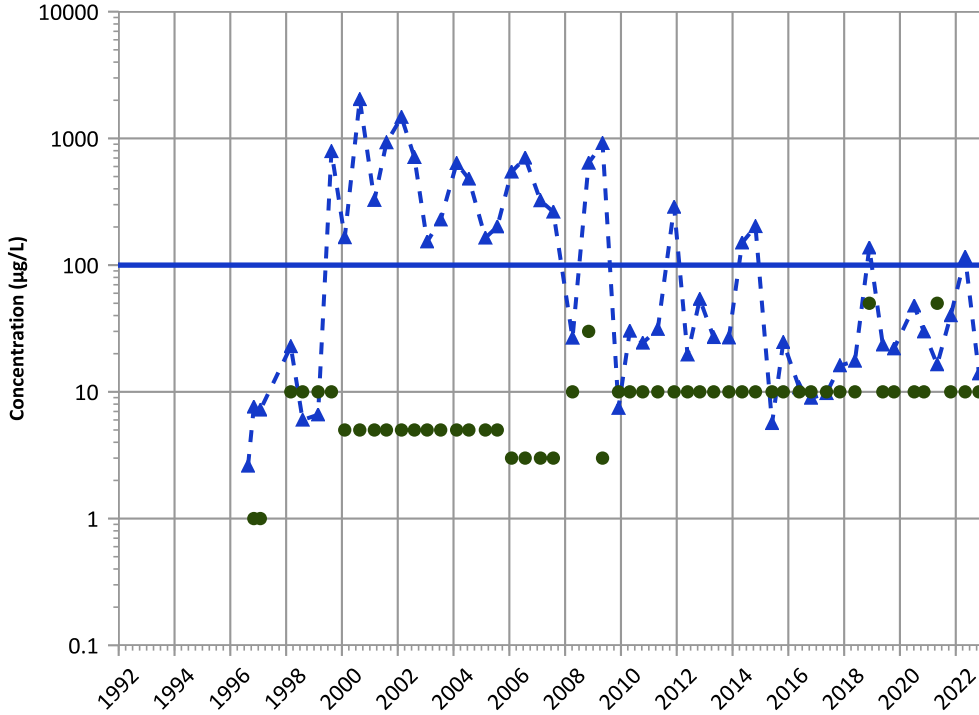
Well Location





PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

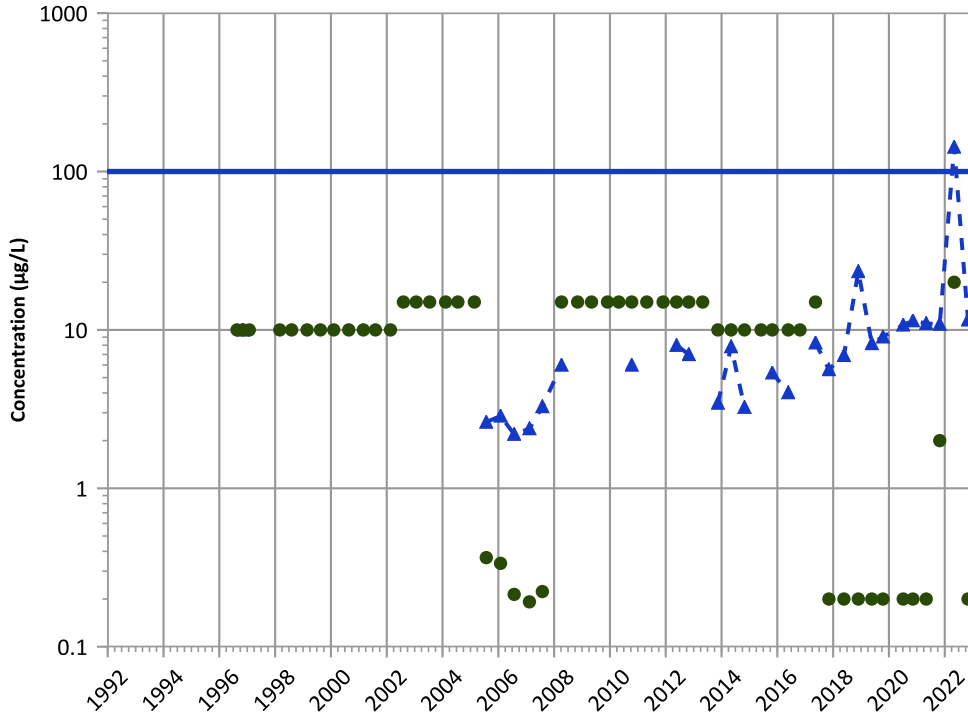
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

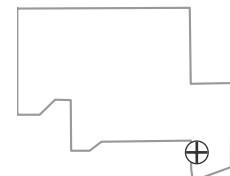
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

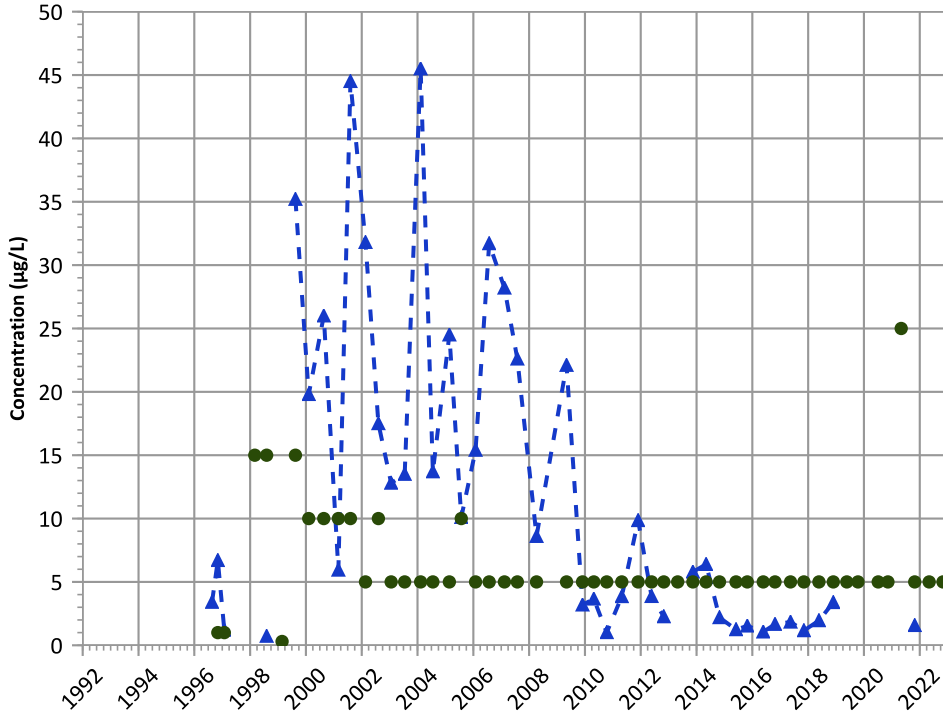
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

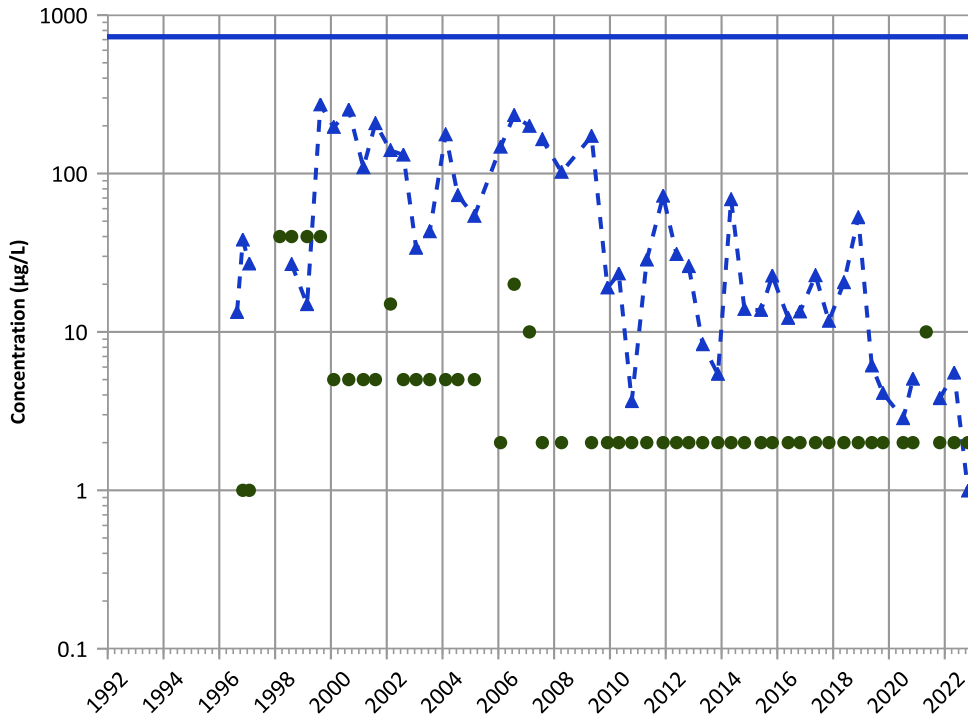


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Nickel Trend



Concentration Trend

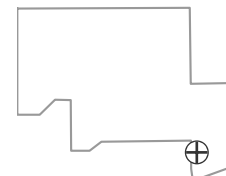
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

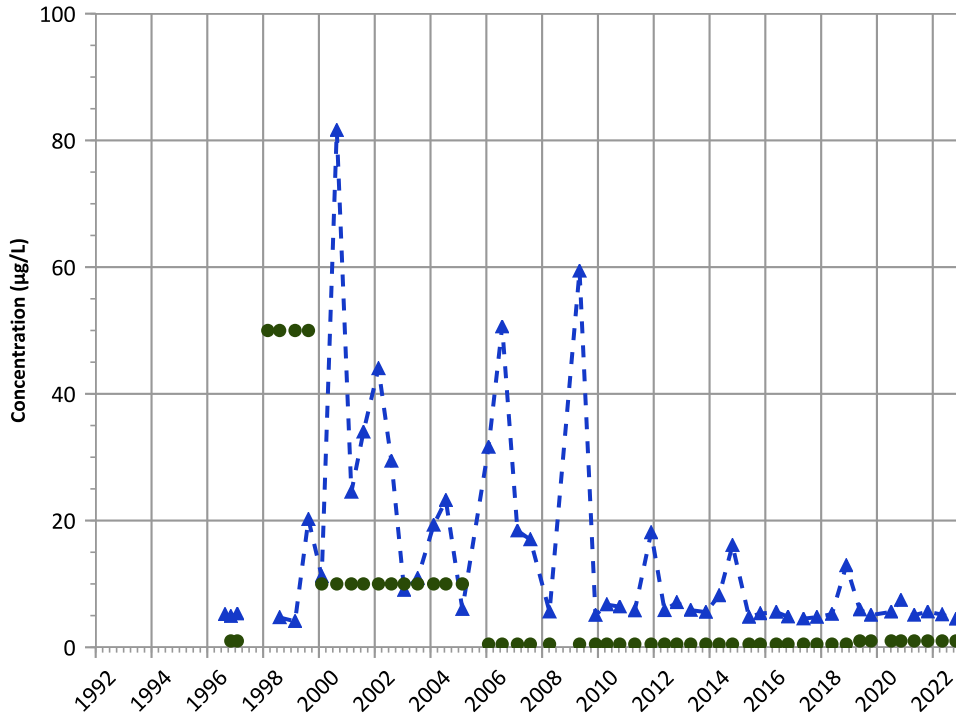
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

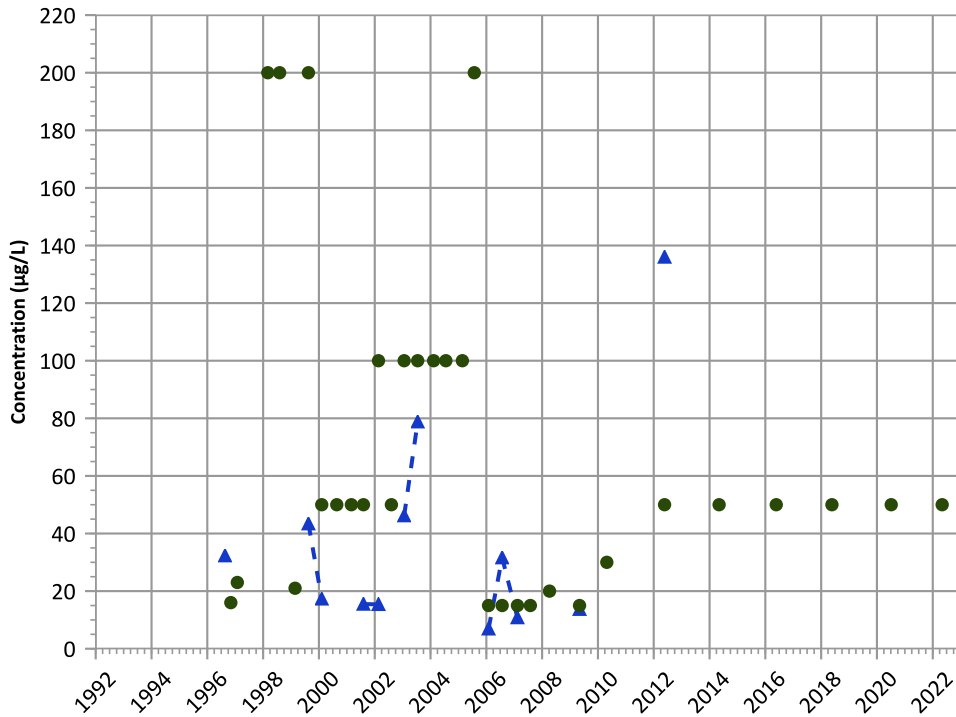


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Aluminum Trend



Concentration Trend

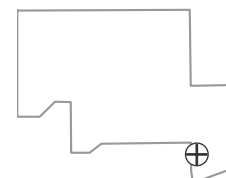
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

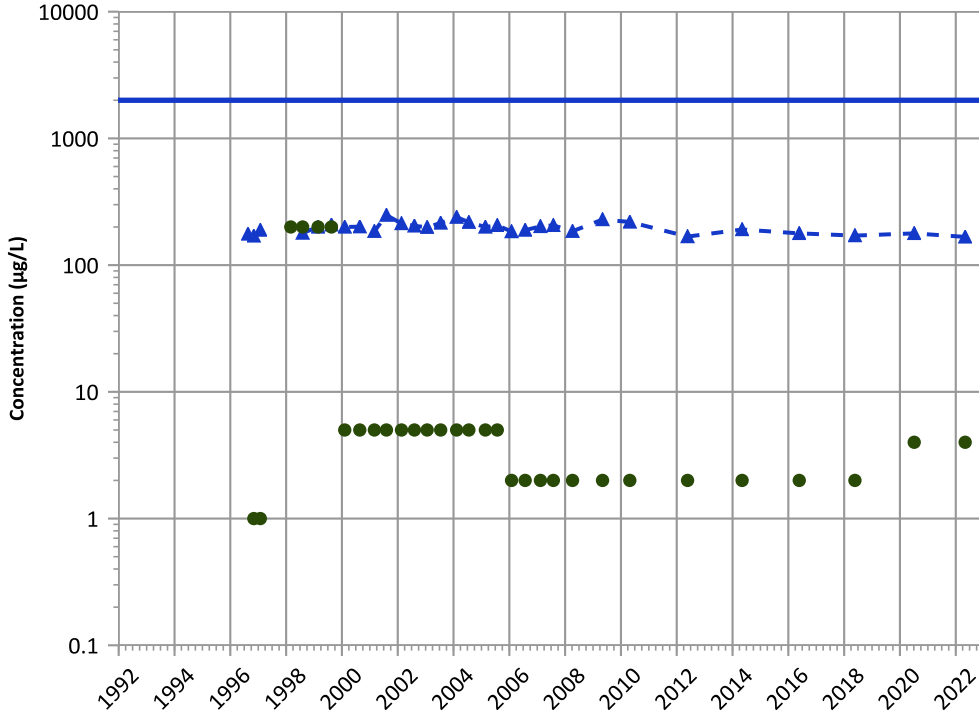
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

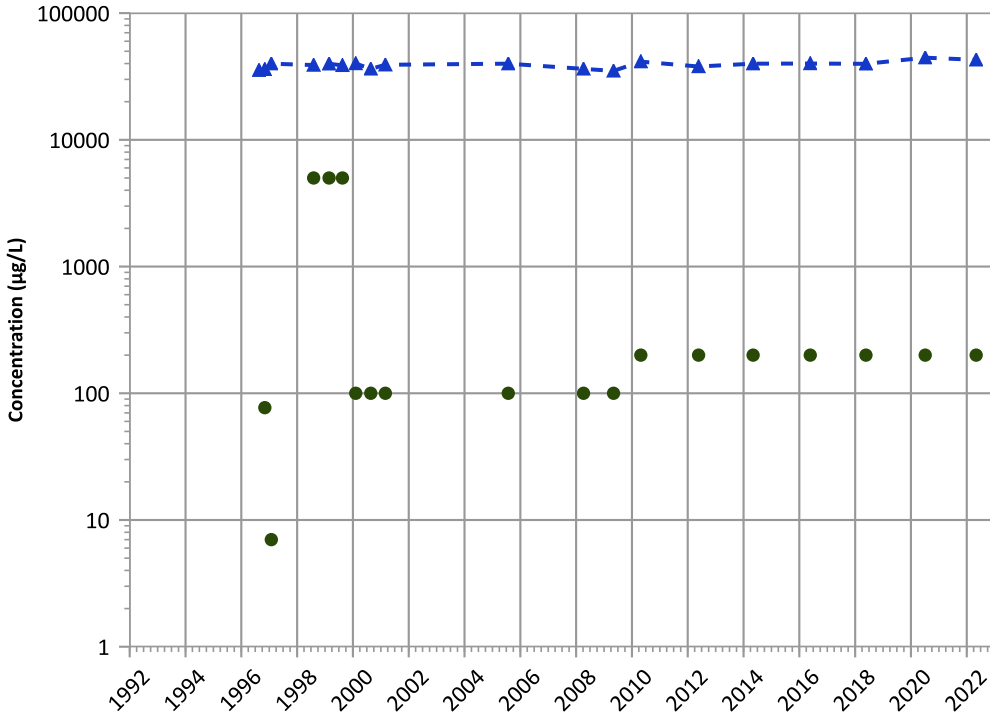


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Calcium Trend



Concentration Trend

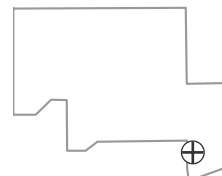
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

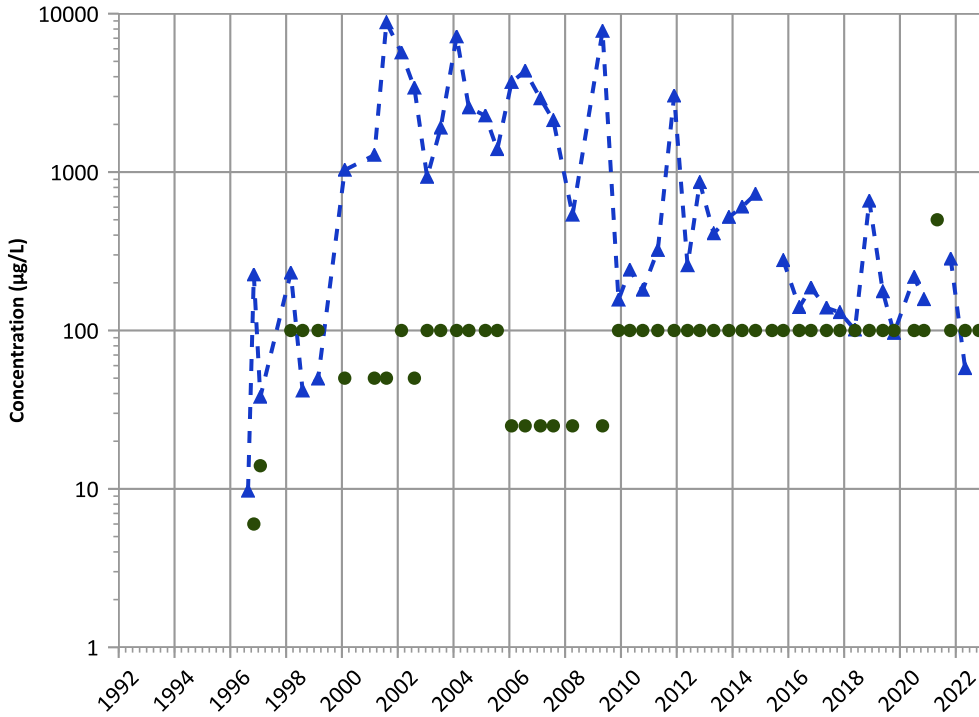
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

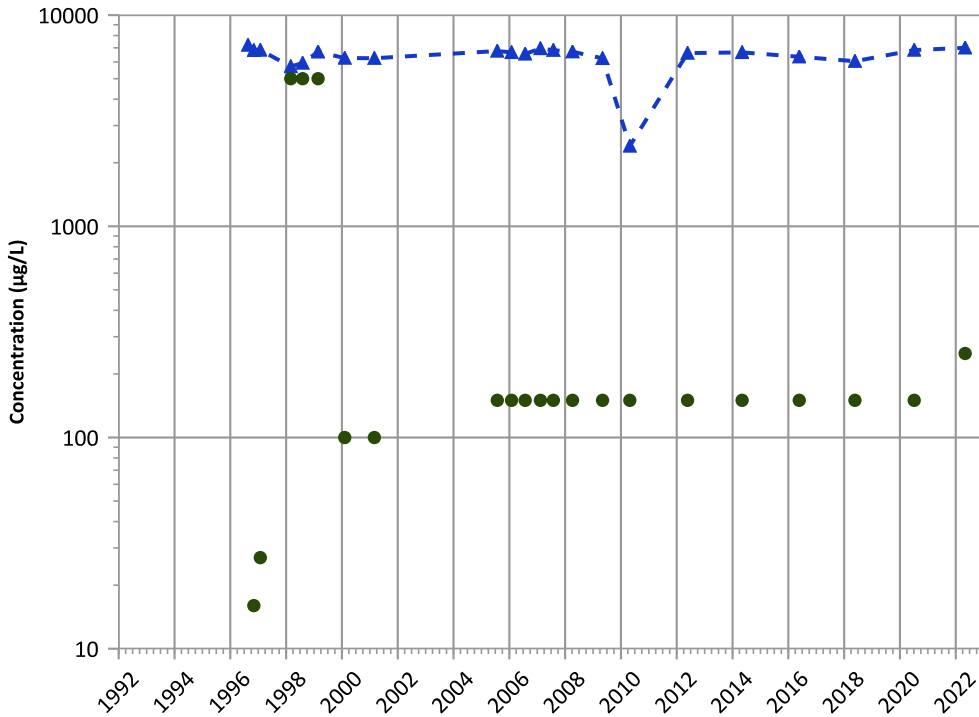


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Potassium Trend



Concentration Trend

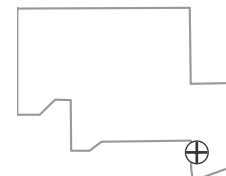
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

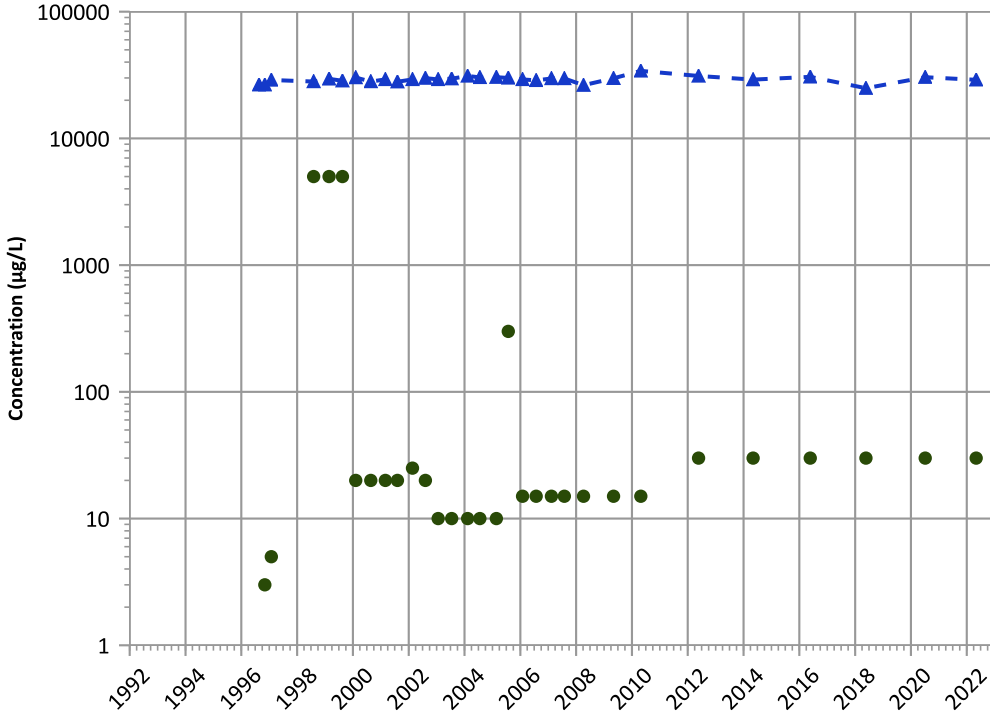
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

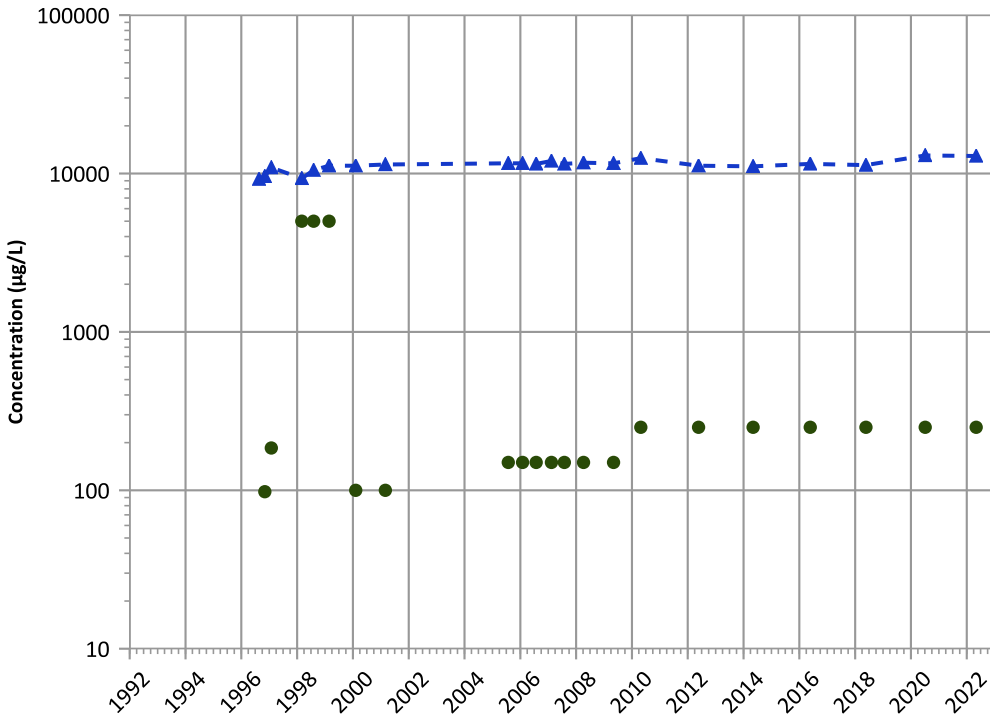


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Sodium Trend

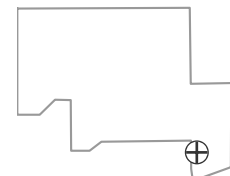


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

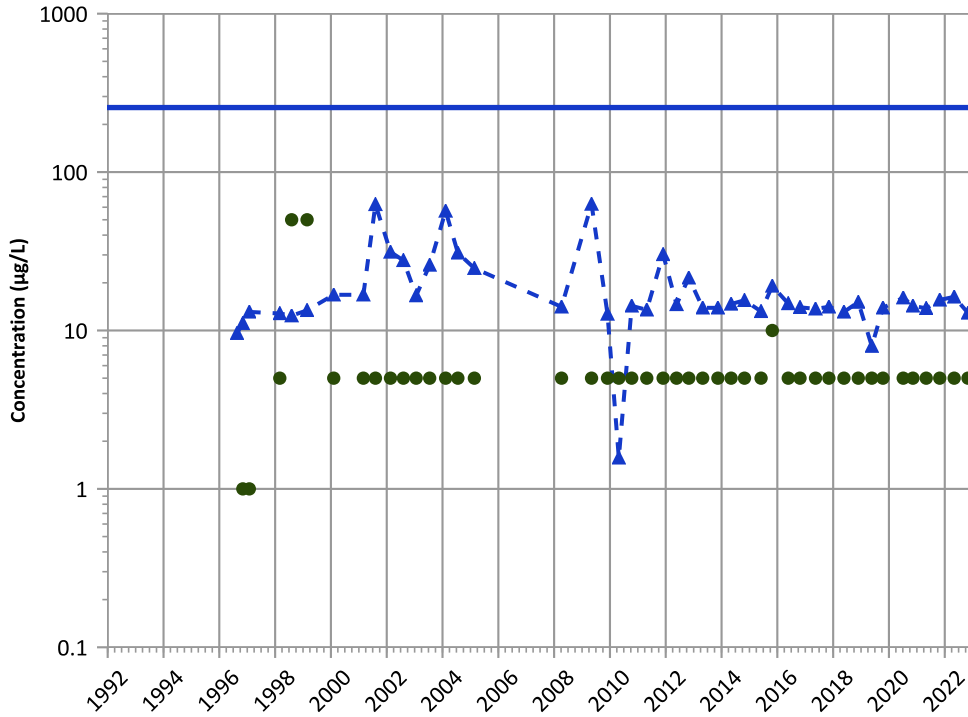
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/1996 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1031 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

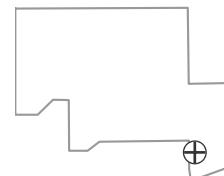
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 Stable

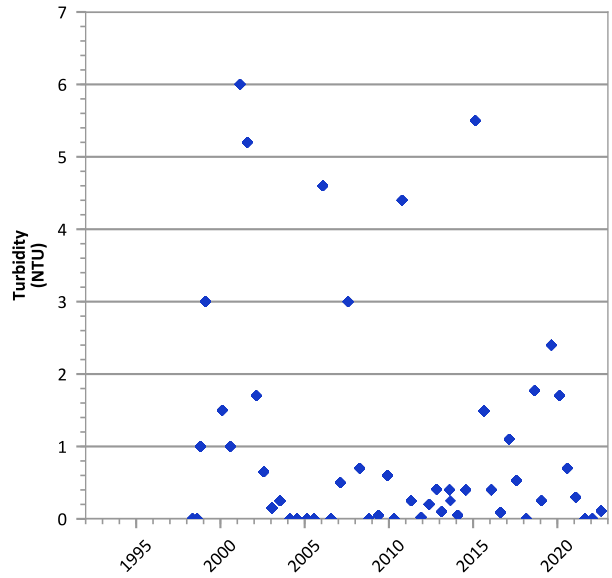
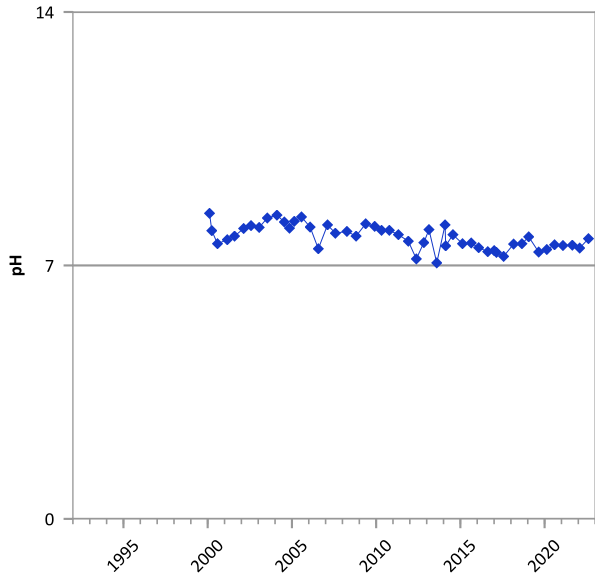
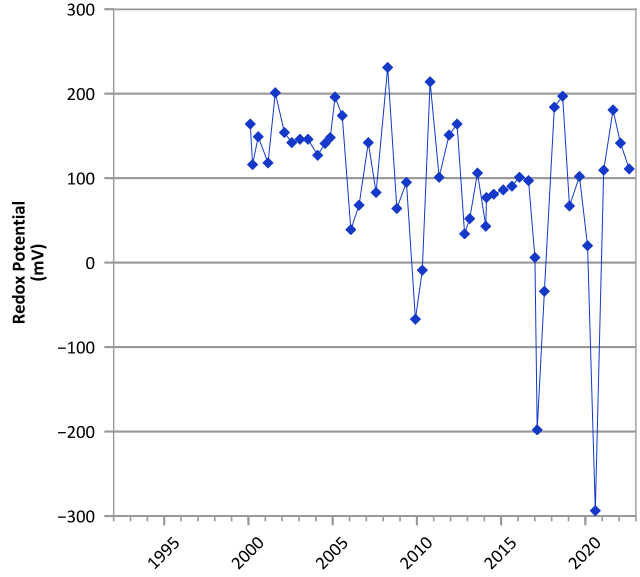
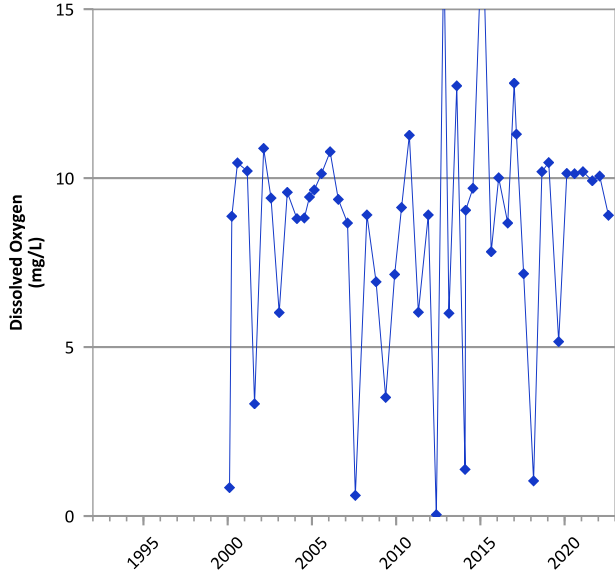
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/20/1996 to 11/01/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

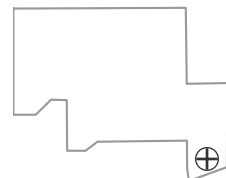


**PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/26/1998 to 08/09/2022  
 Analysis Date: 04/27/2023

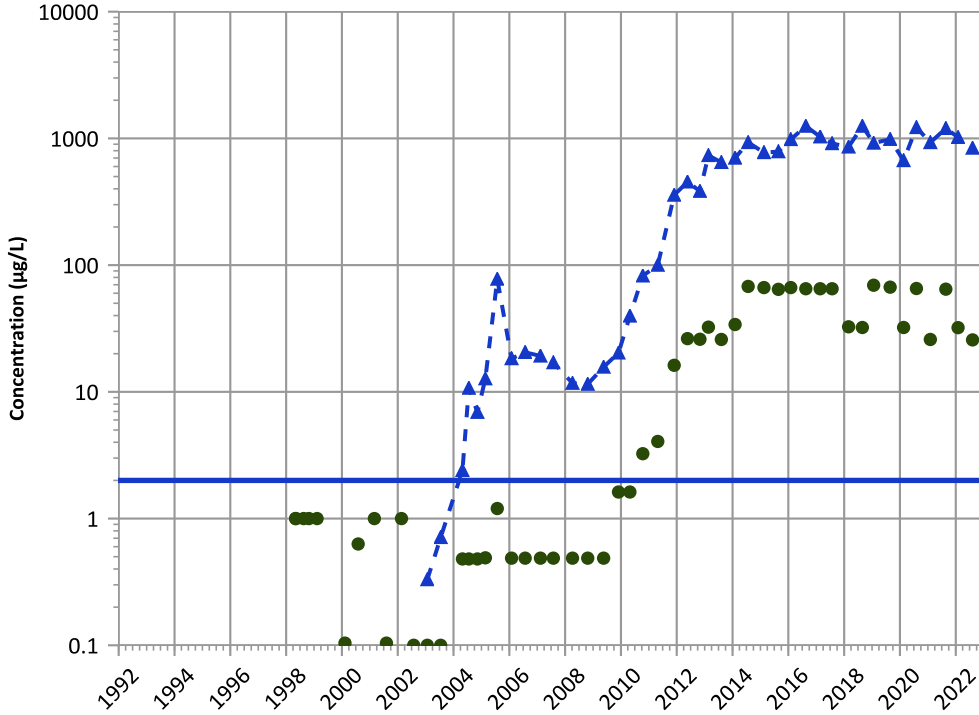
**Well Location**





PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

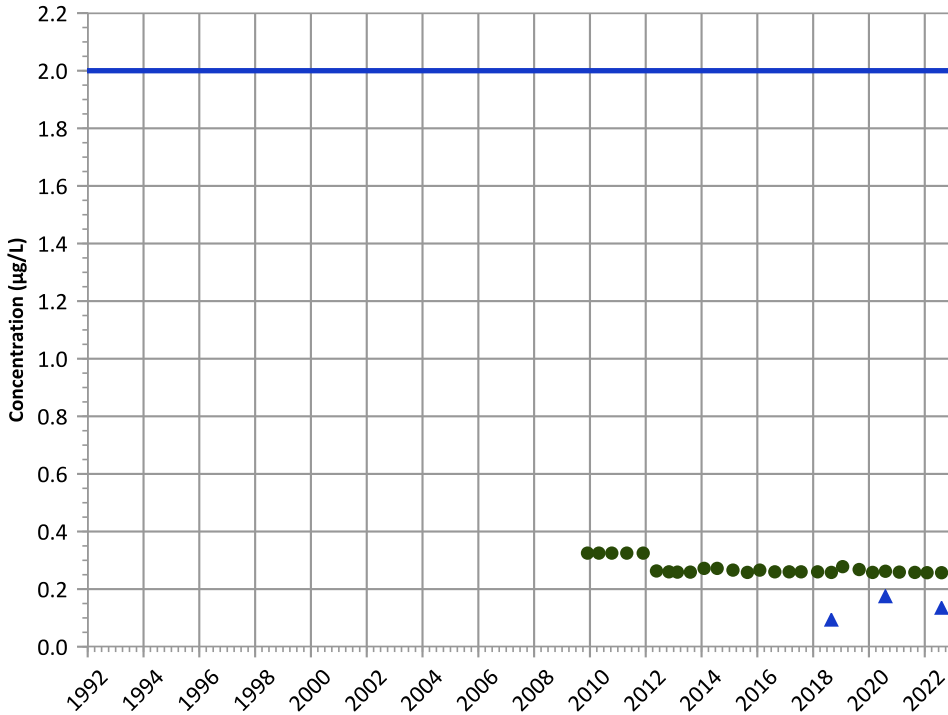
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

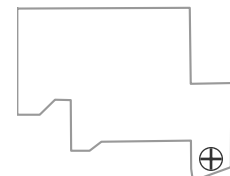
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

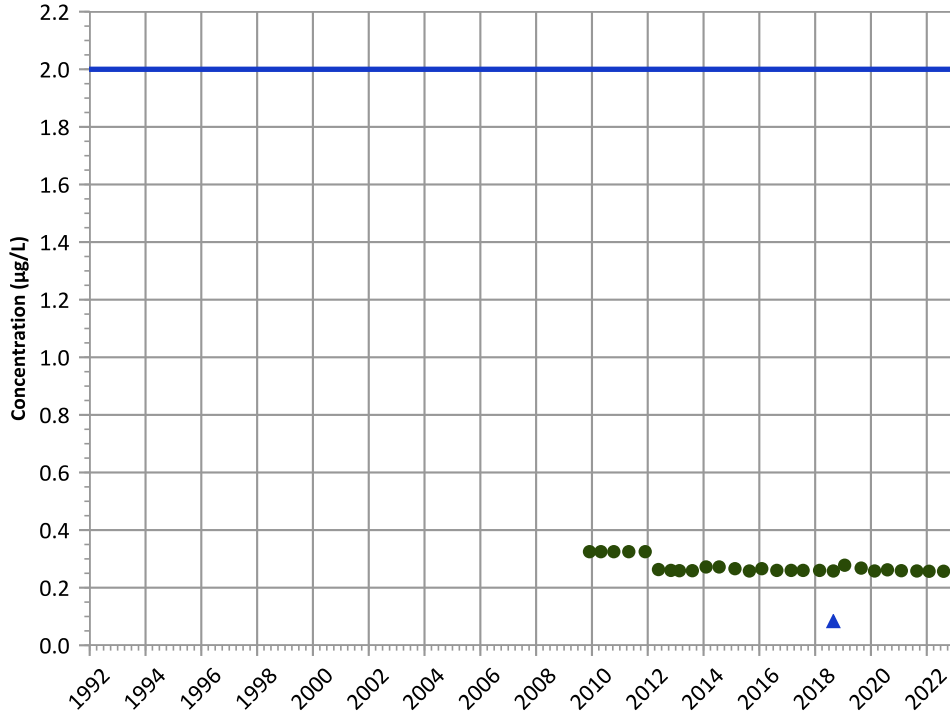


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

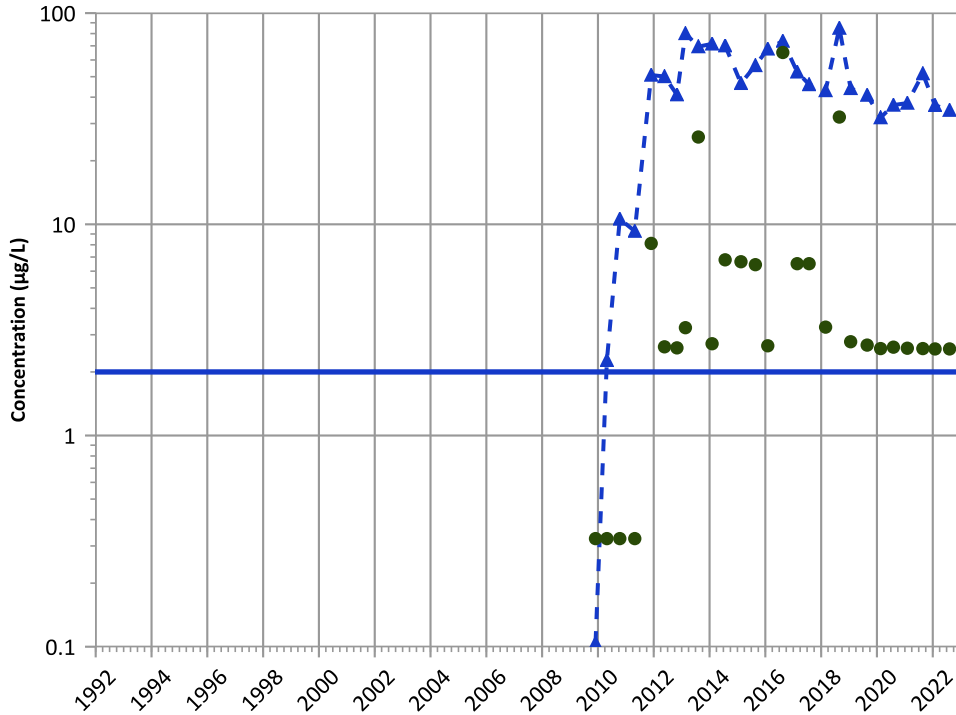


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

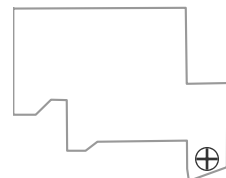
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

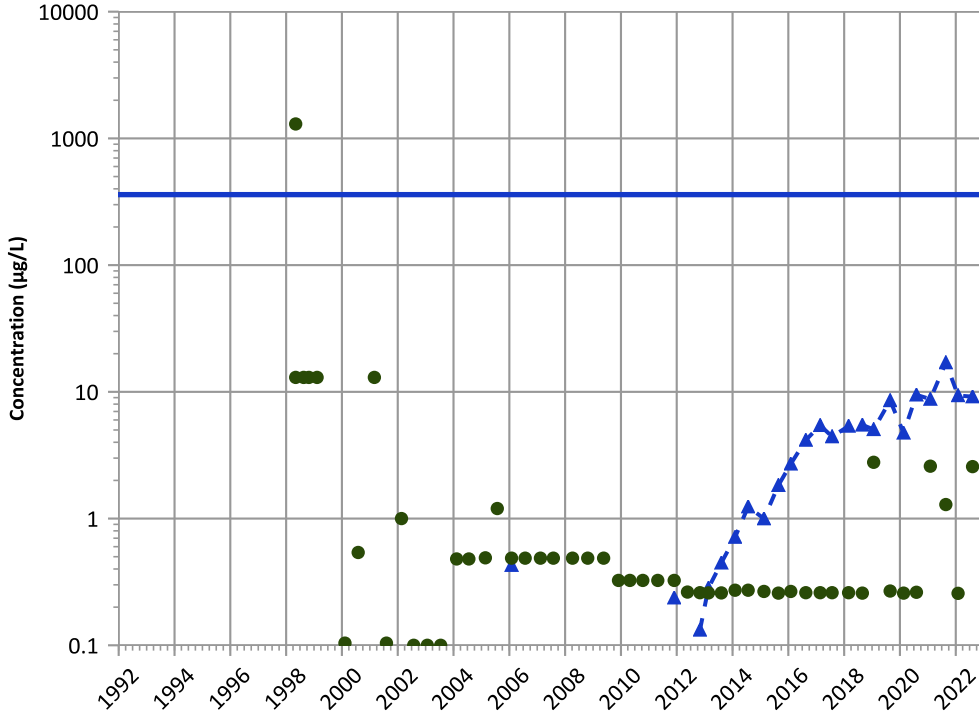
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

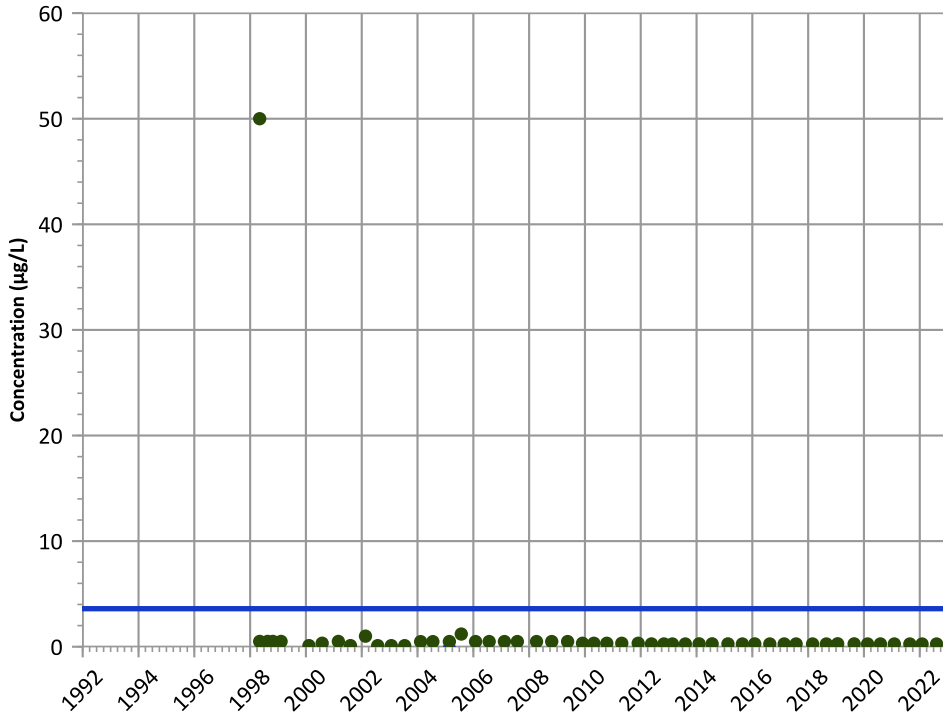


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

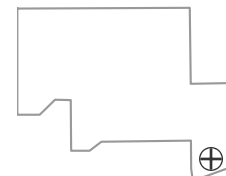
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

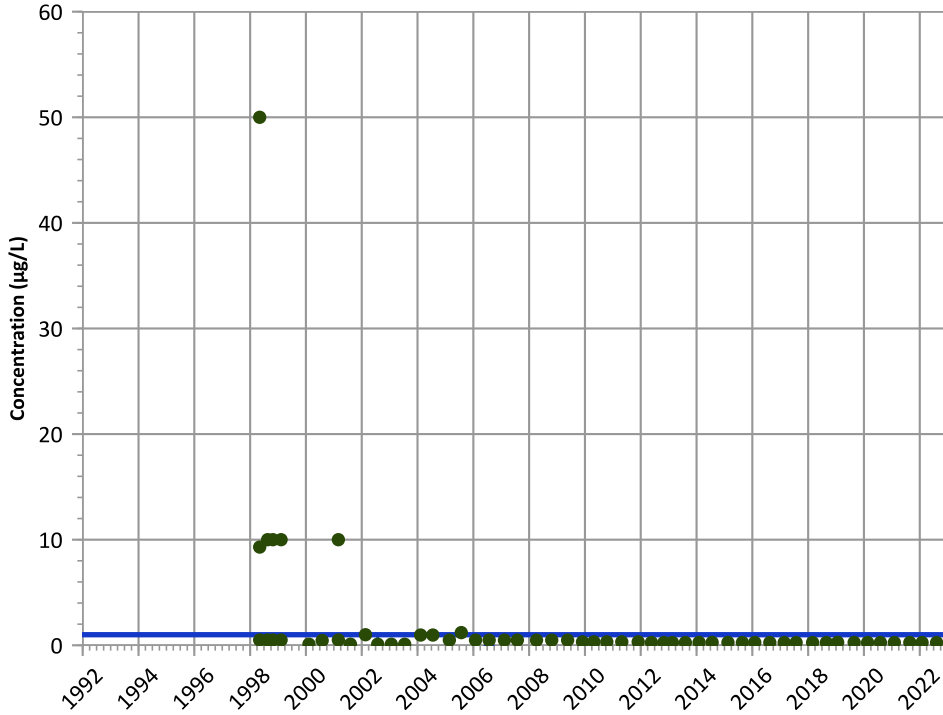
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

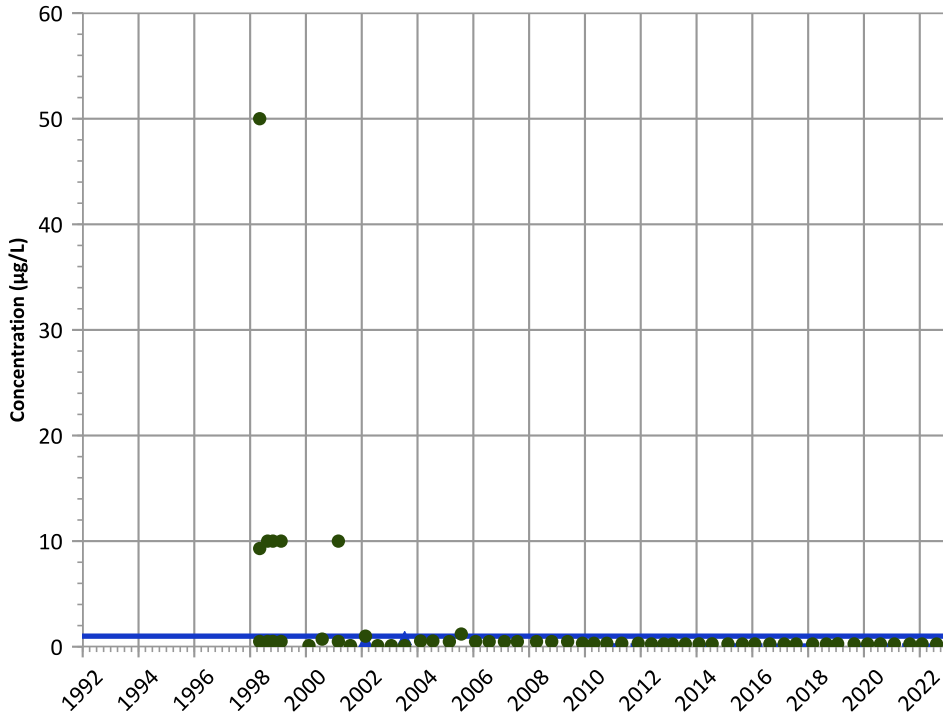
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

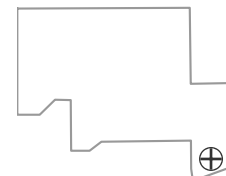
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

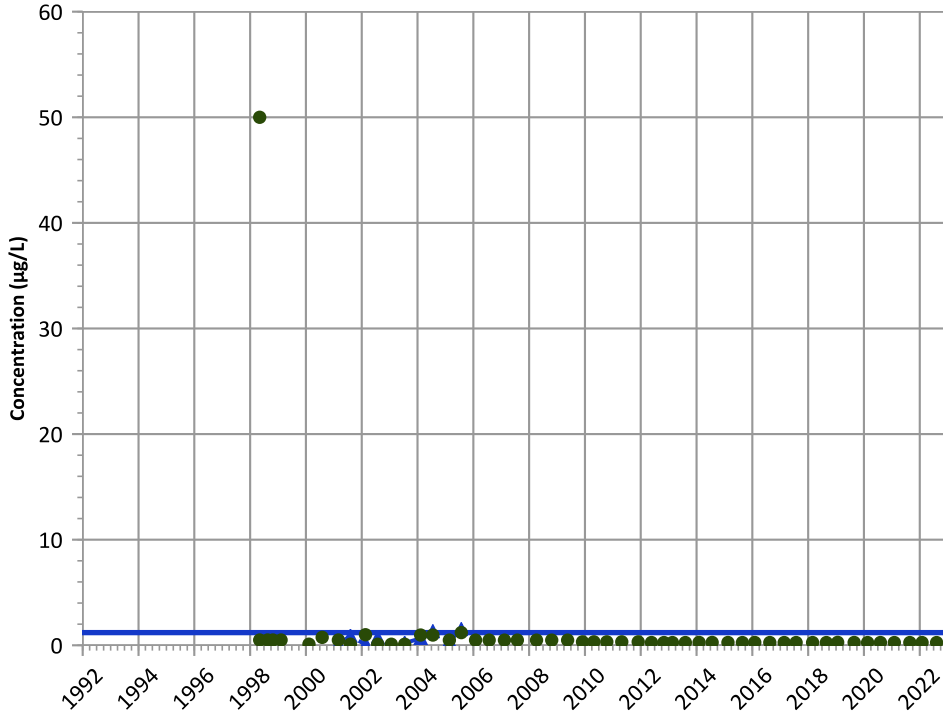
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

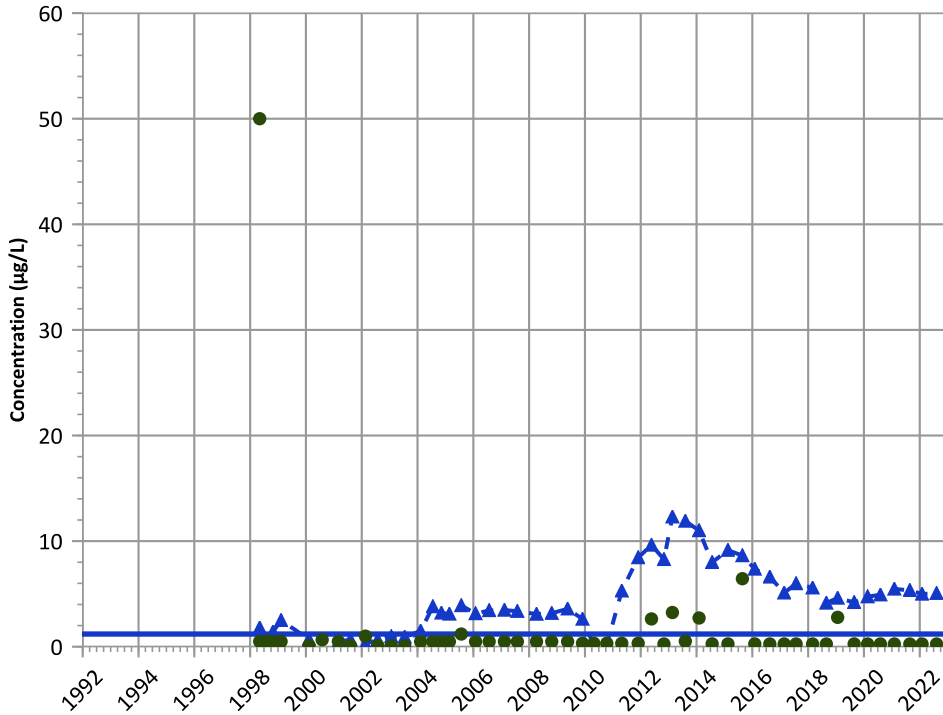
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

No Trend

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

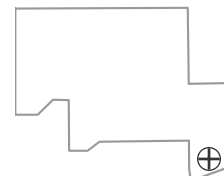
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

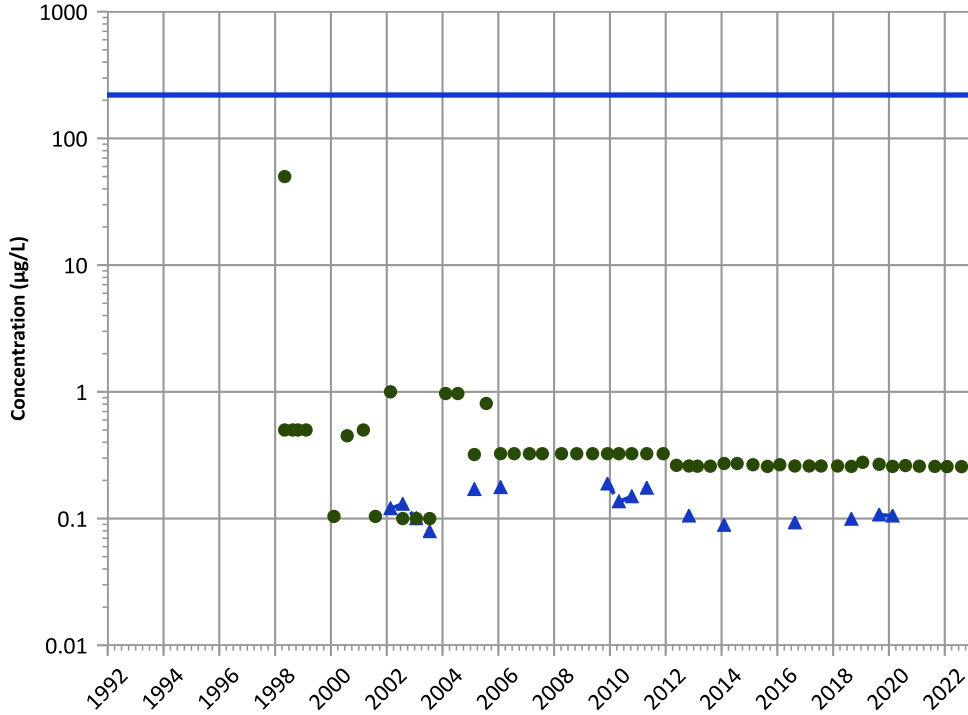
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

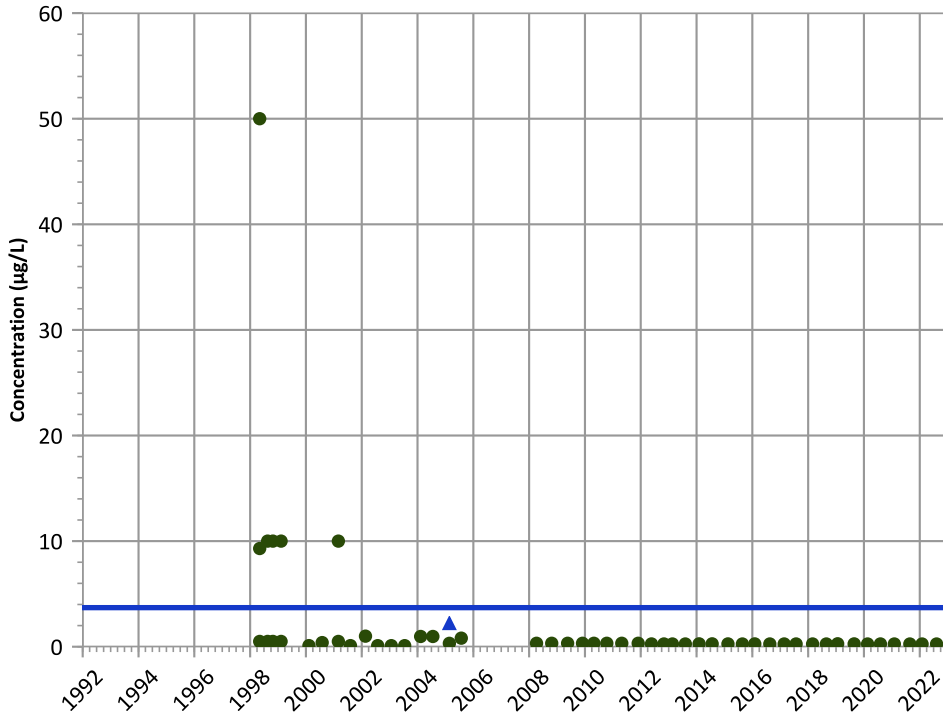


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

1,3-Dinitrobenzene Trend



Concentration Trend

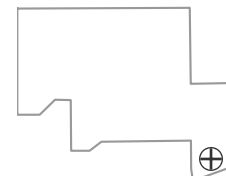
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

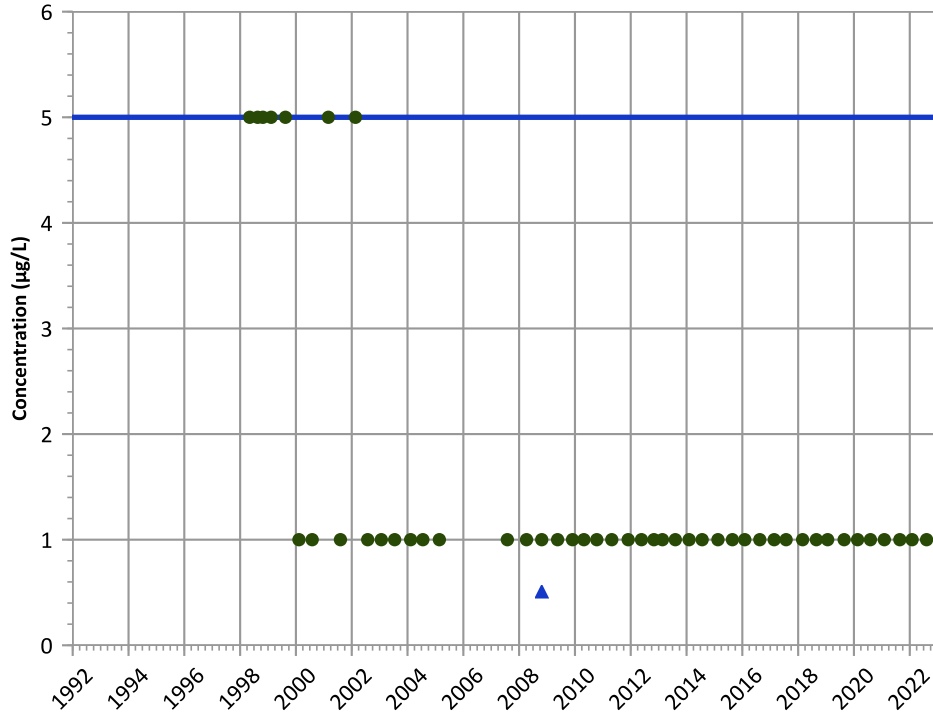
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

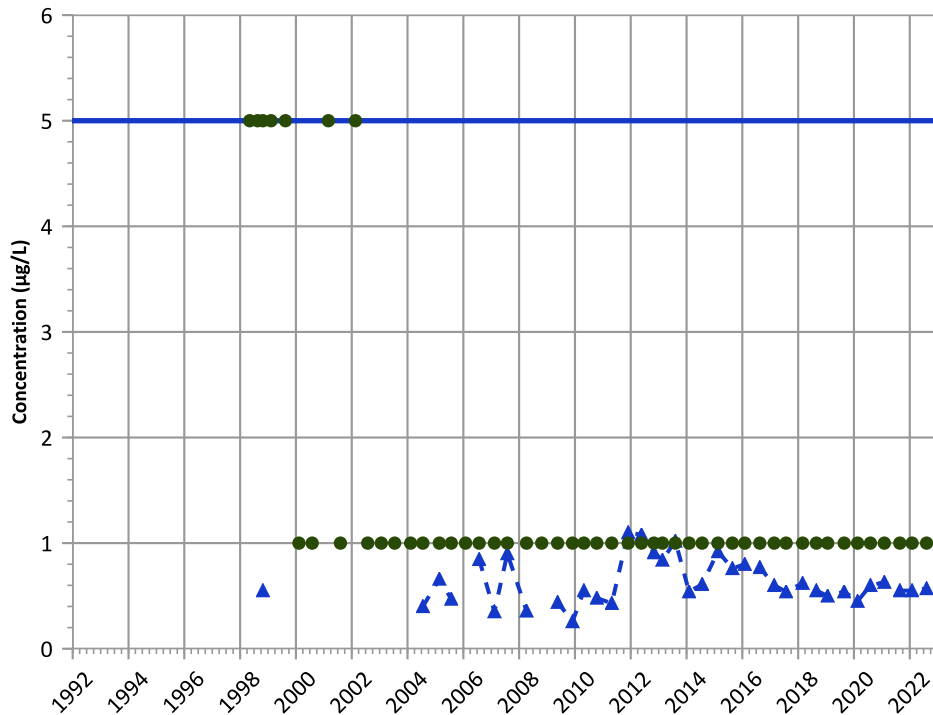


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

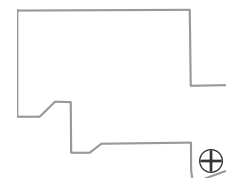
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

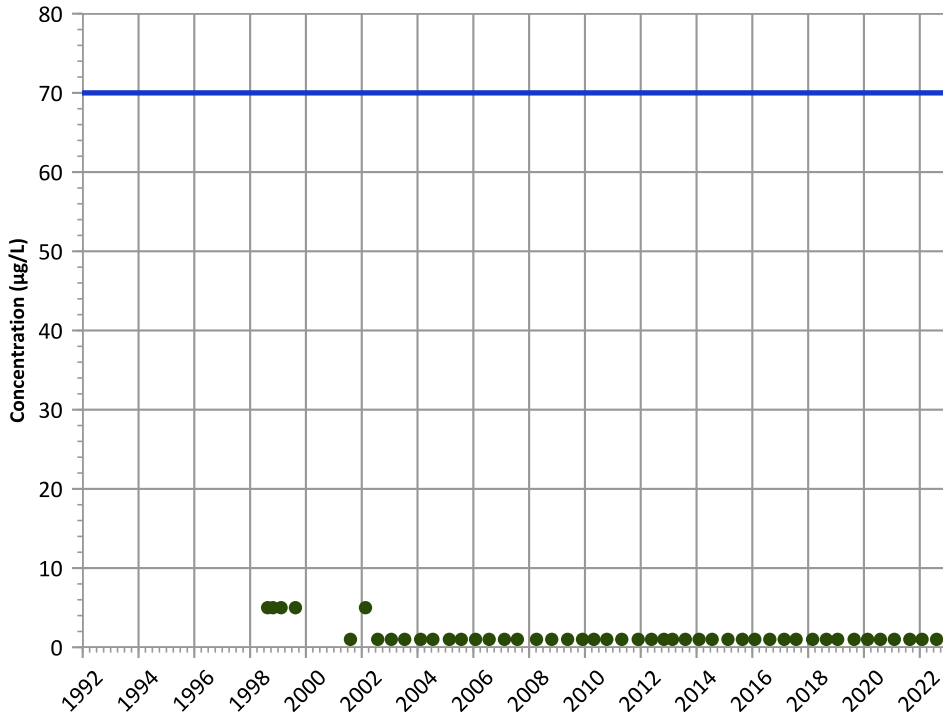
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1034 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 cis-1,2-Dichloroethene Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

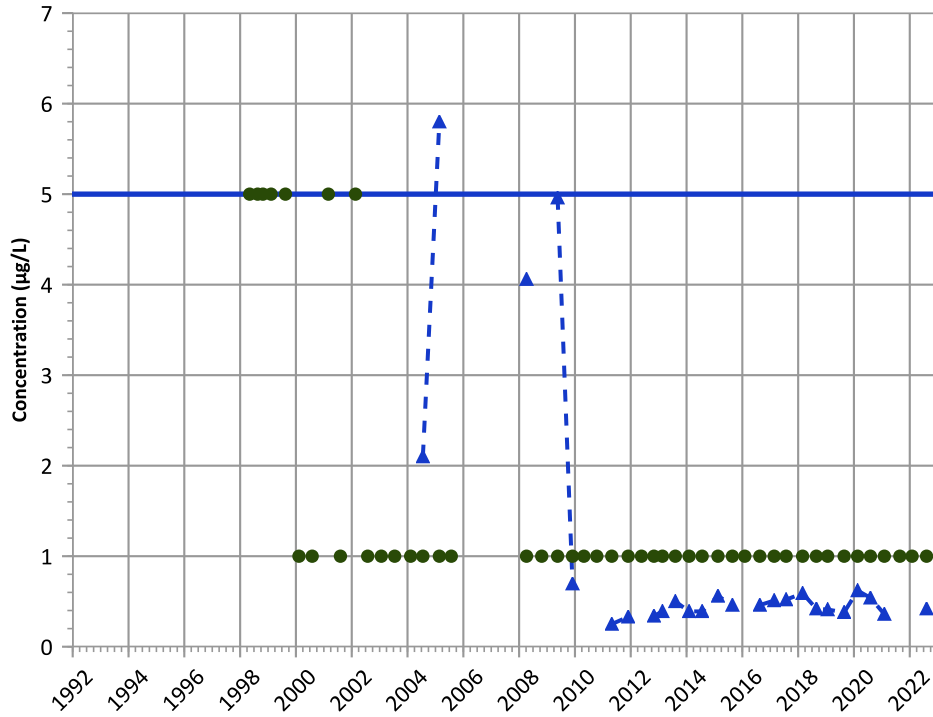
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,2-Dichloroethane Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

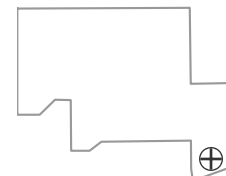
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/26/1998 to 08/09/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

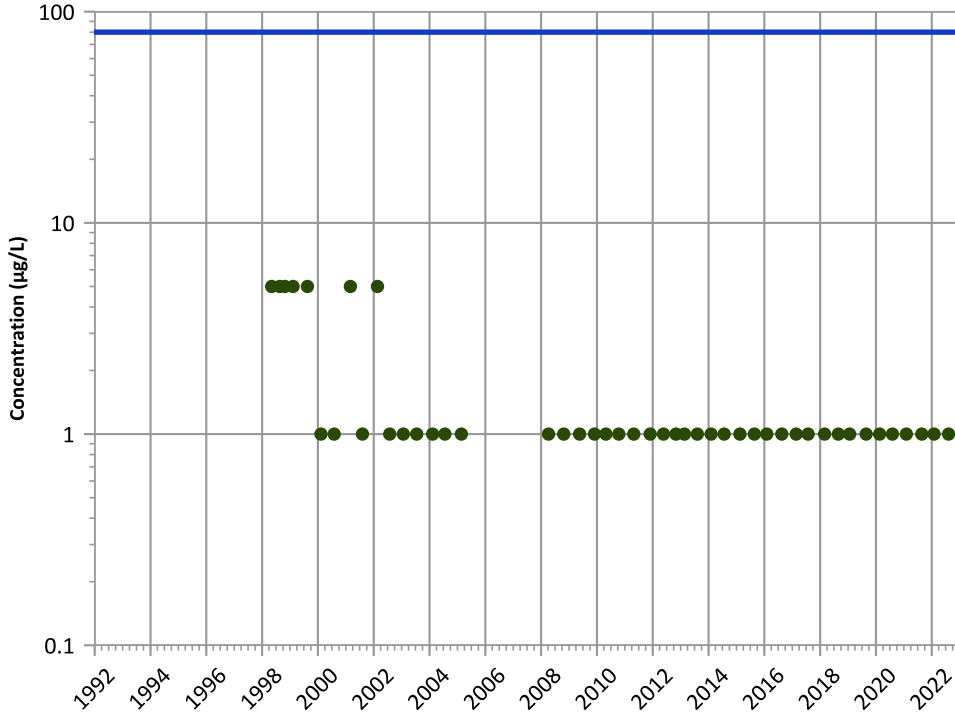
**Well Location**





PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

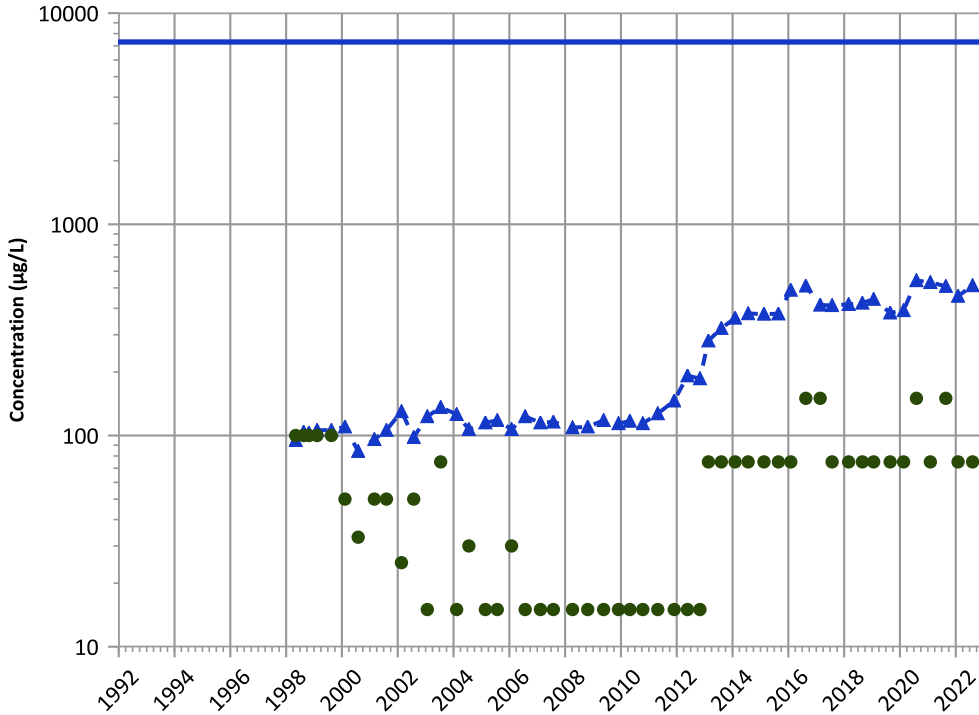


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Boron Trend



Concentration Trend

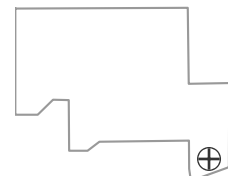
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

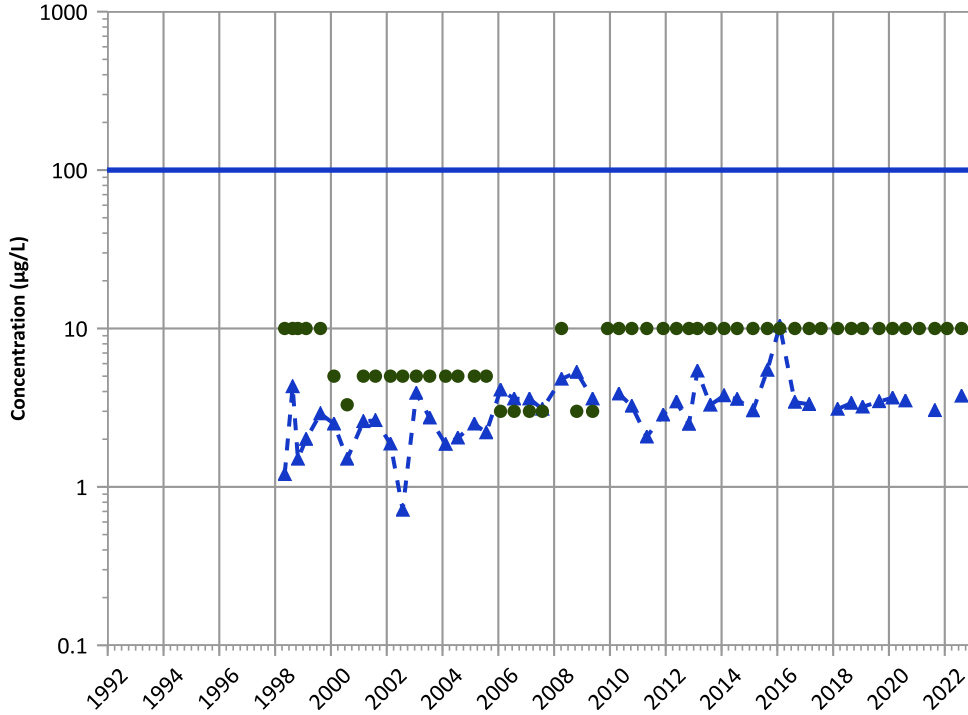
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

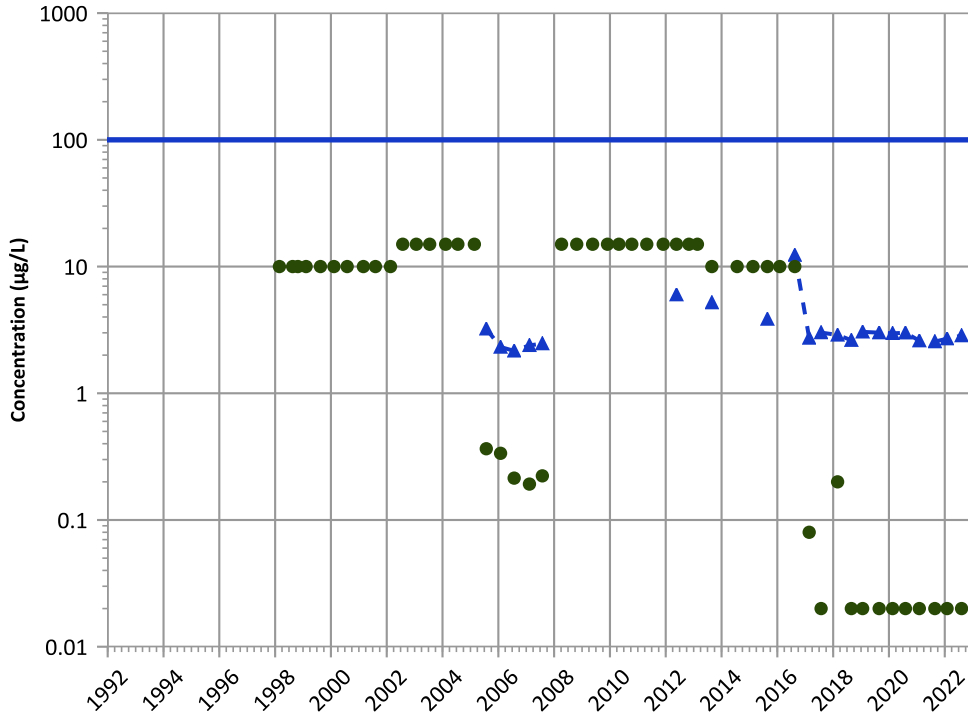


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Chromium, Hexavalent Trend

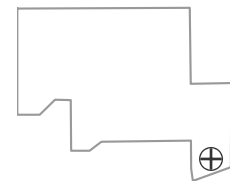


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Well Location

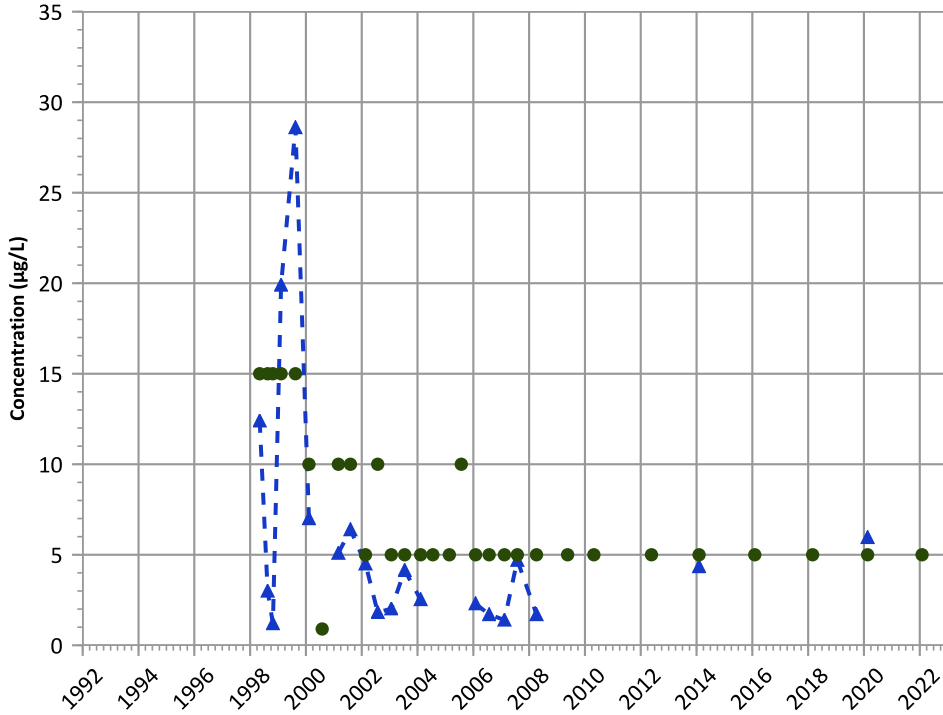


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

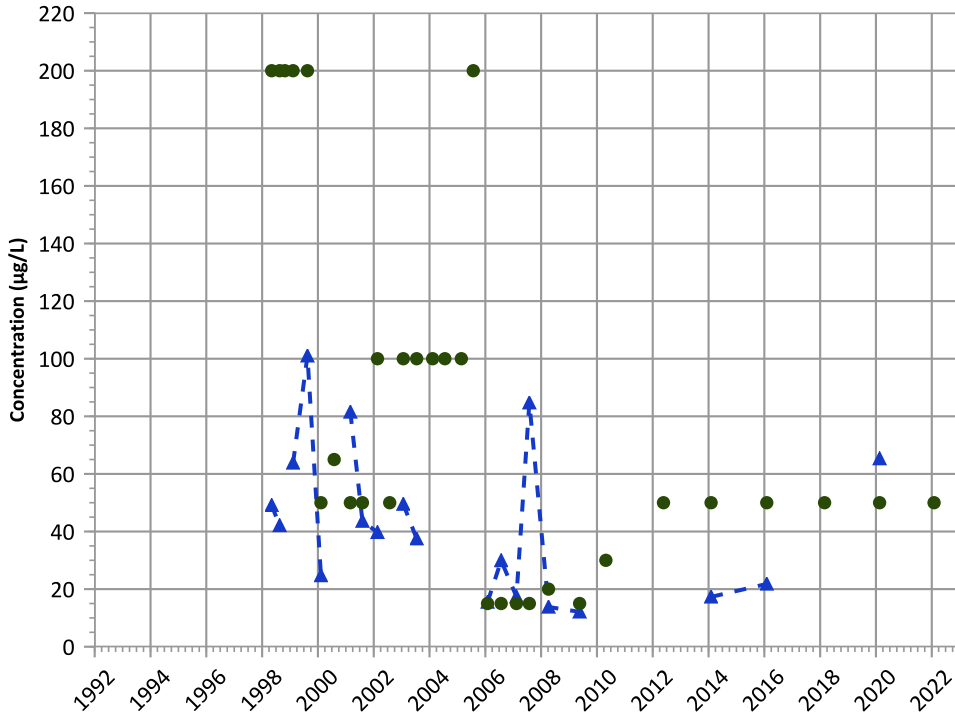


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

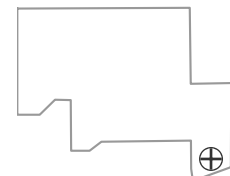
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

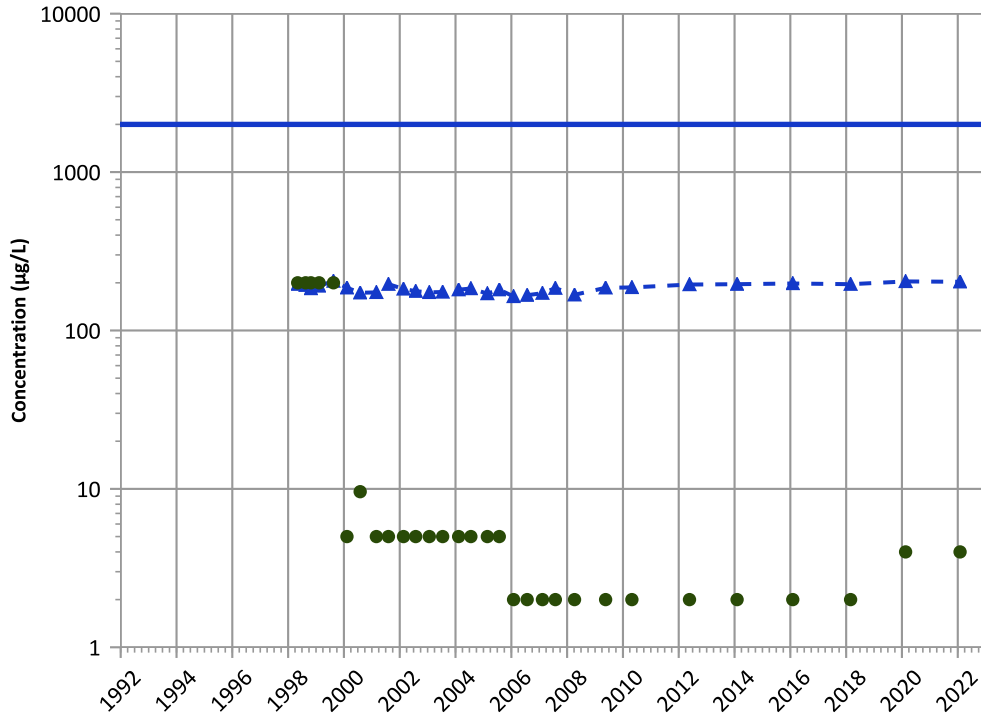
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

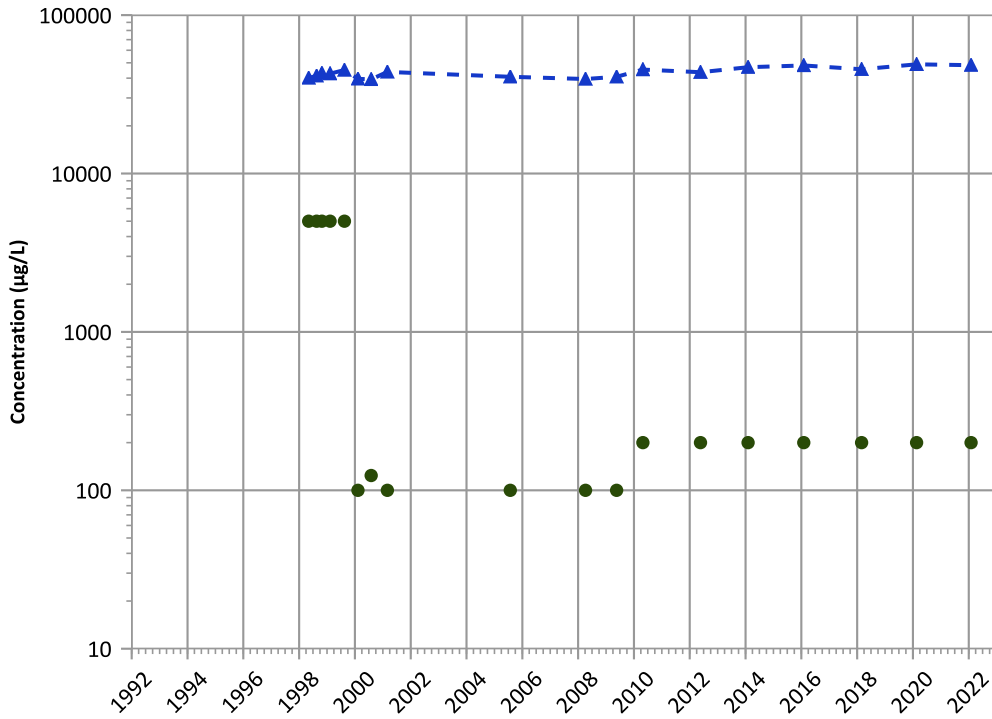
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

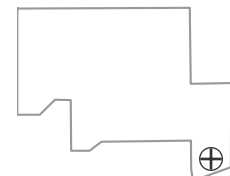
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

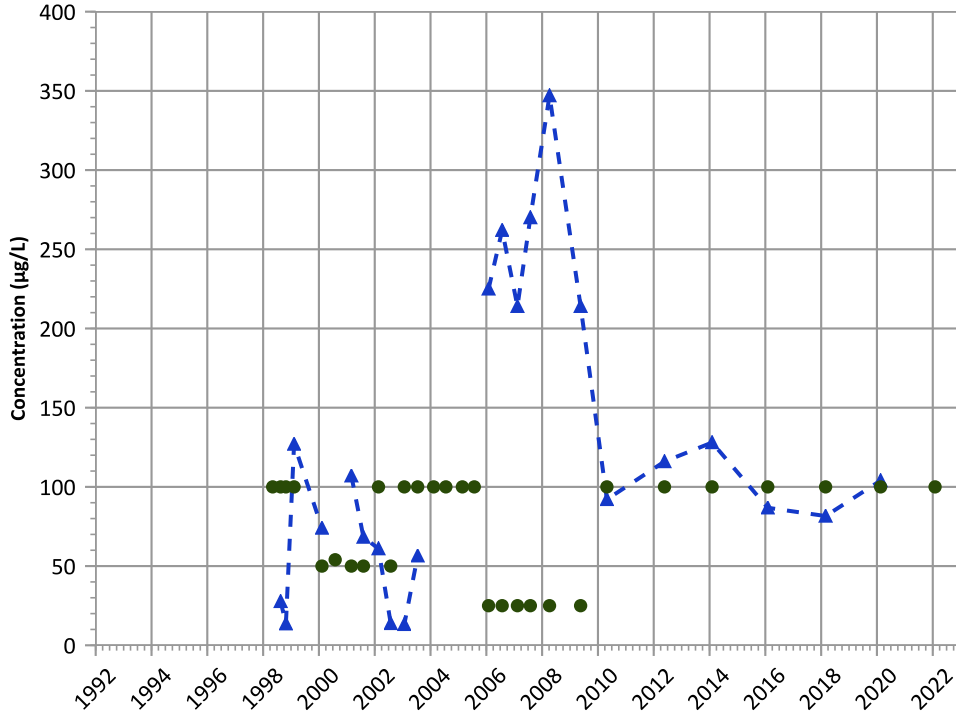


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

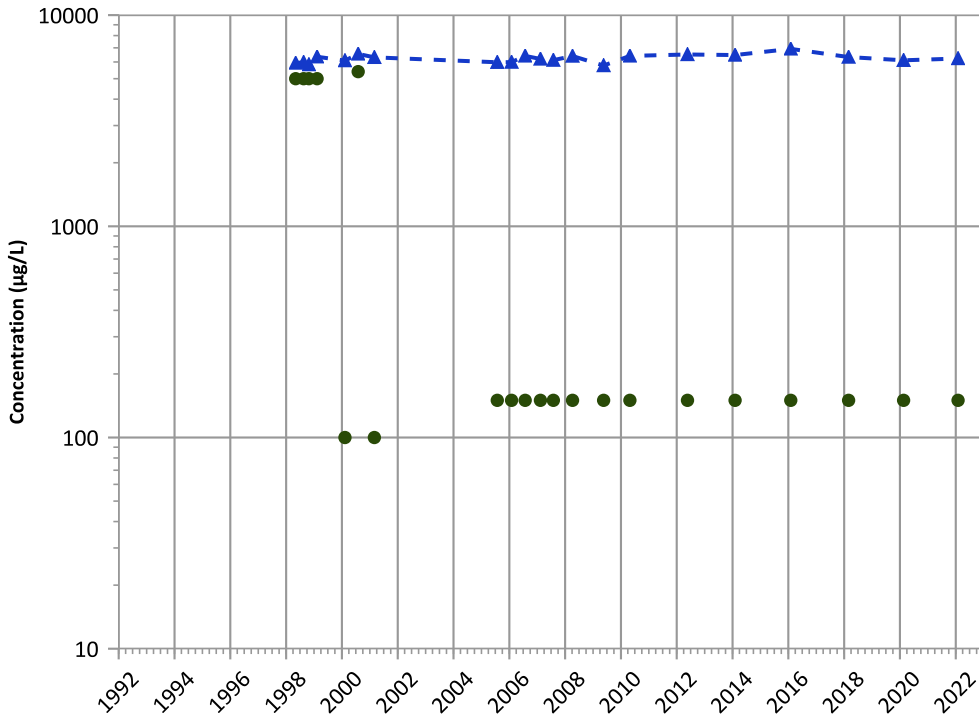


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

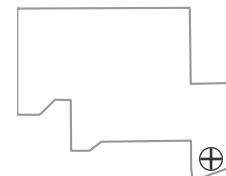
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

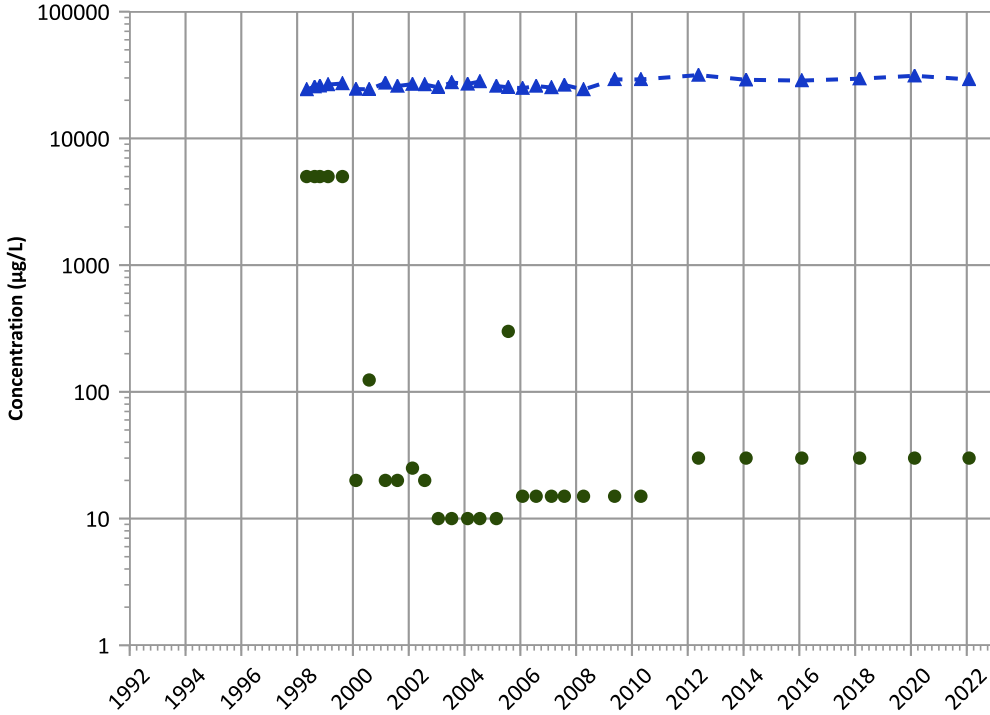
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

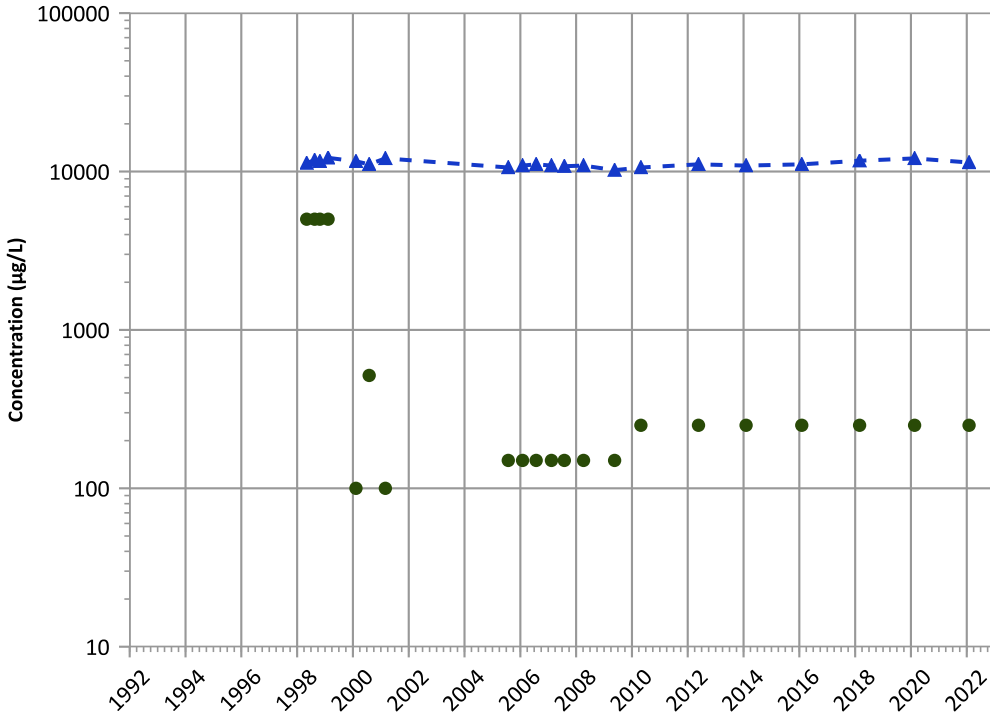


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Sodium Trend



Concentration Trend

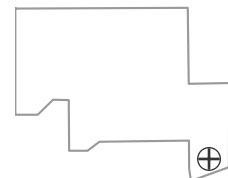
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

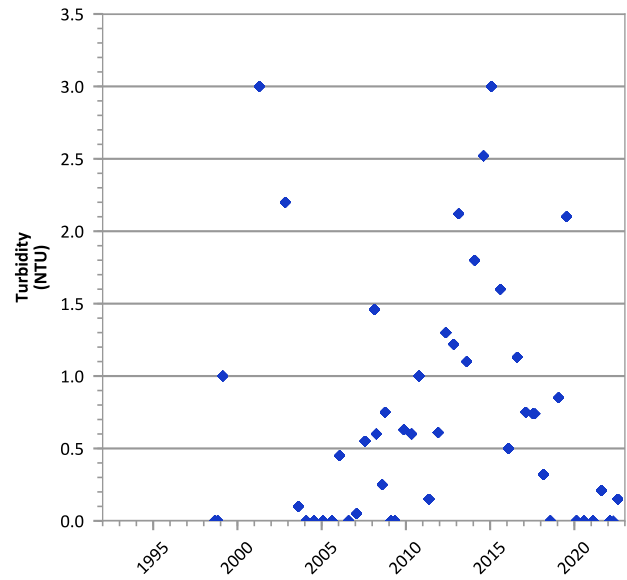
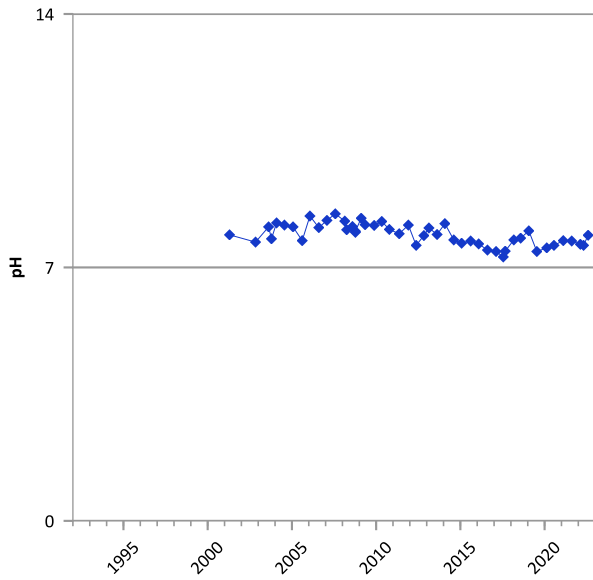
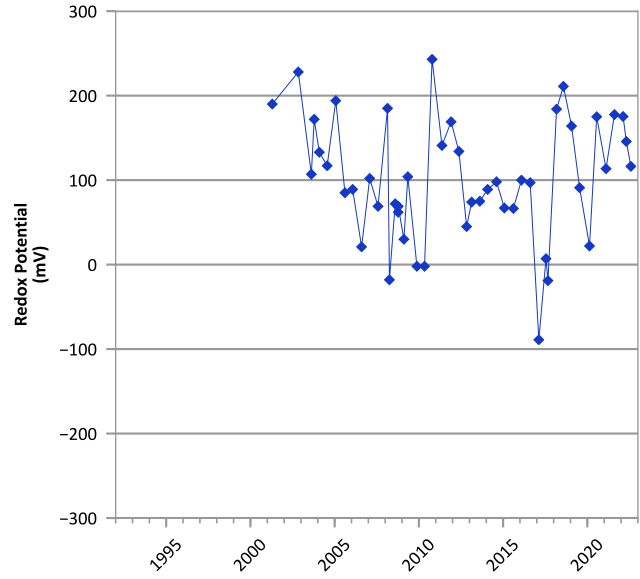
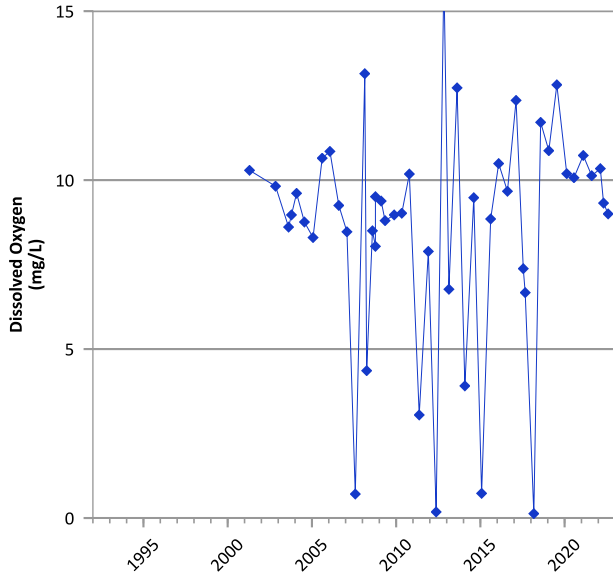
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/26/1998 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

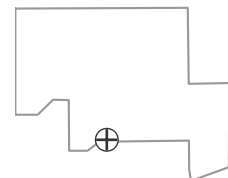


**PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



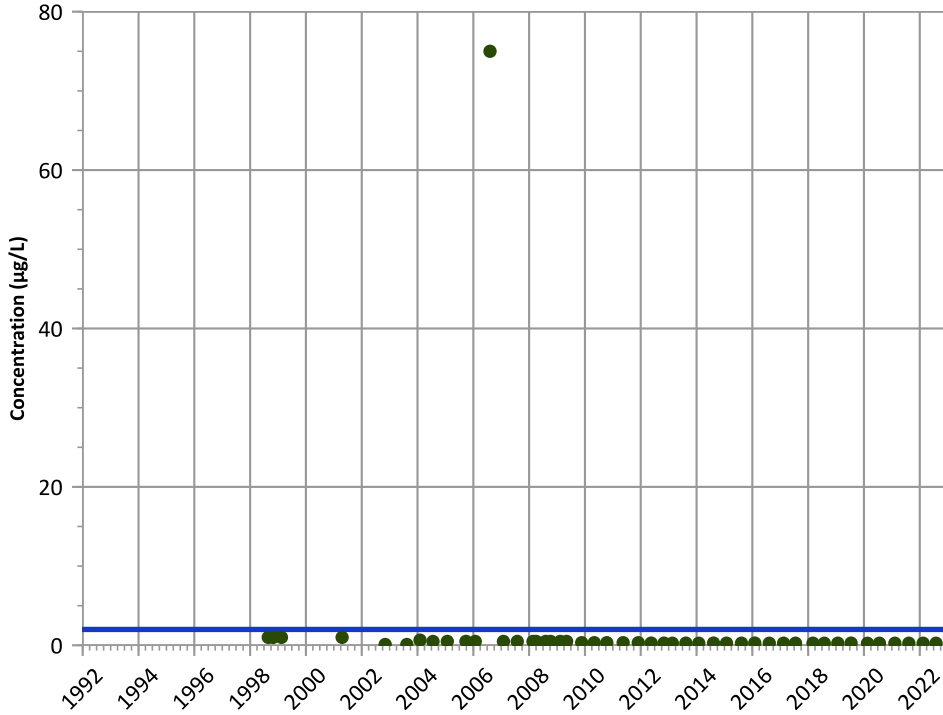
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

**Well Location**



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

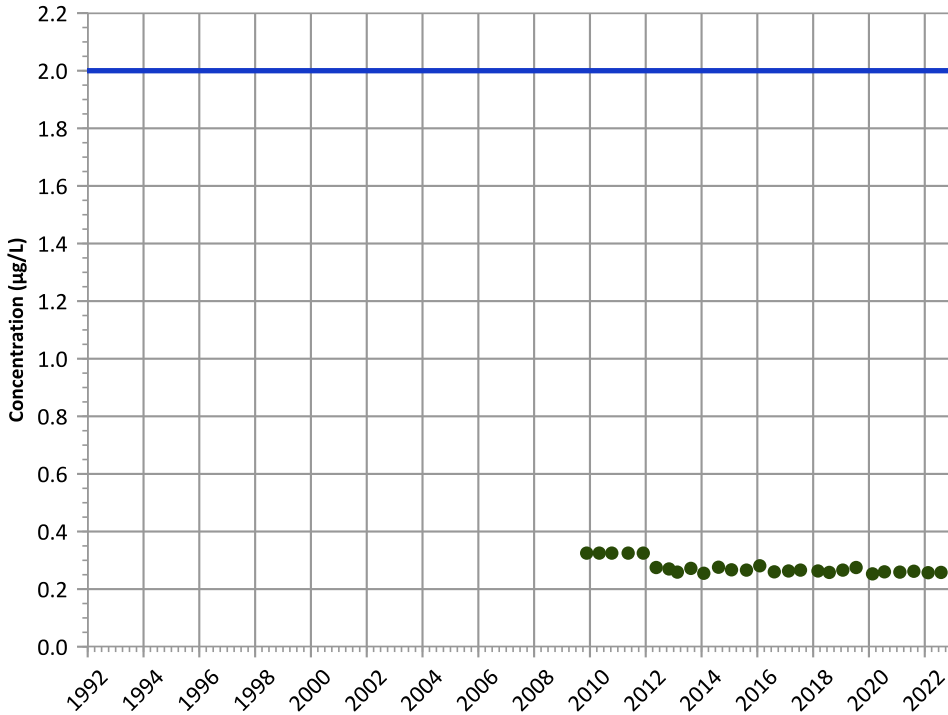


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

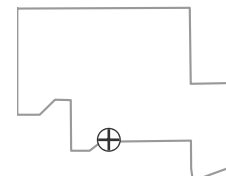
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

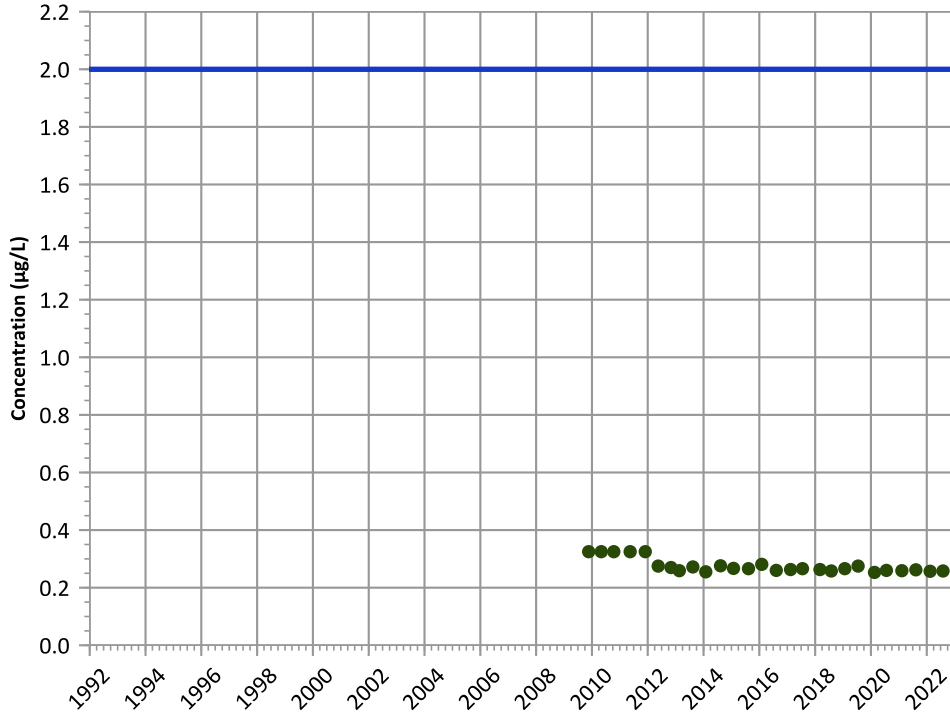
Well Location





PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

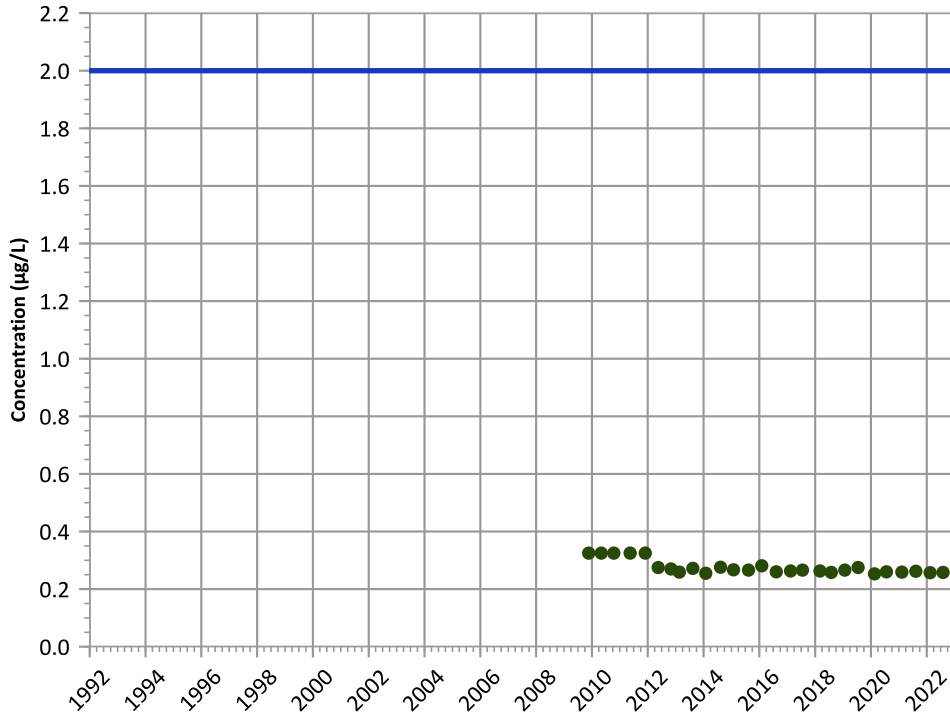
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

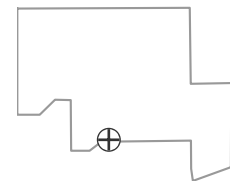
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

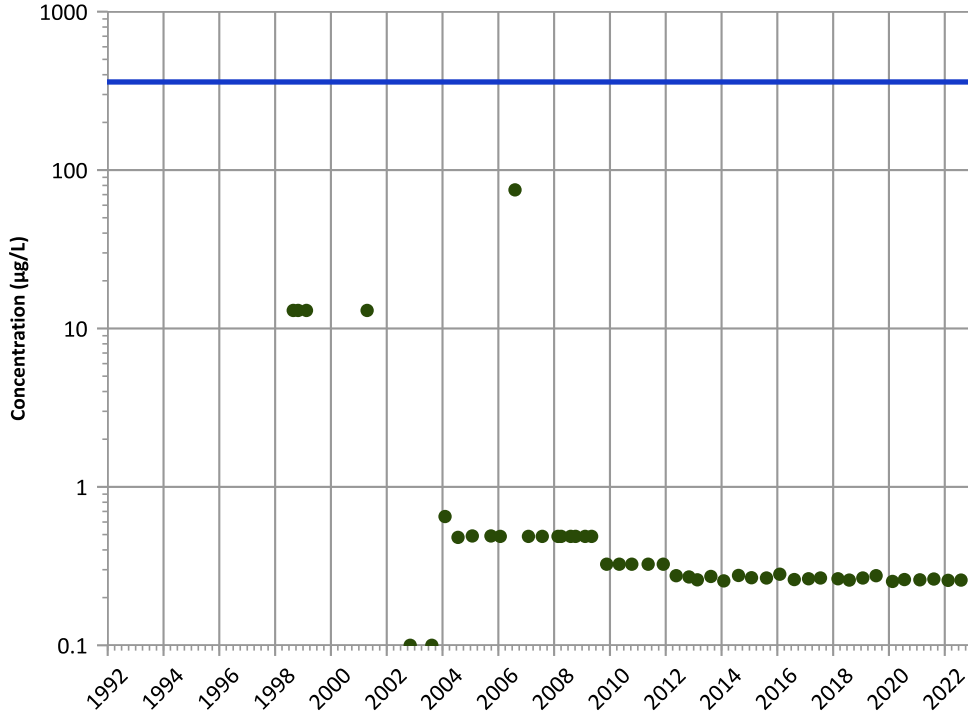


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

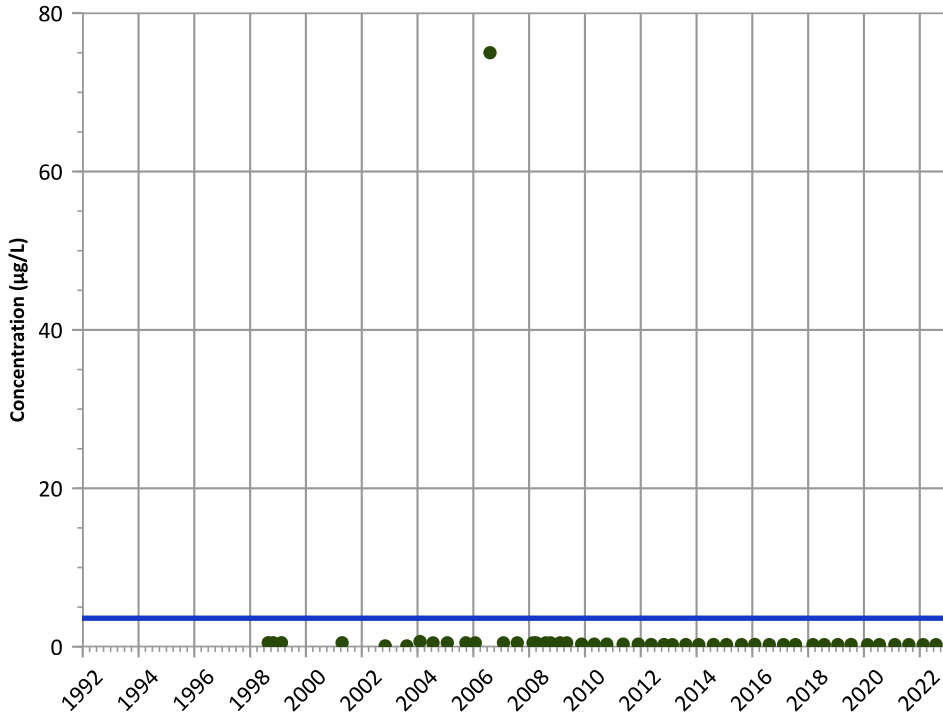


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

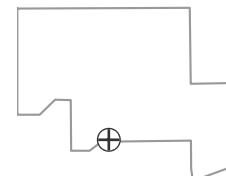
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

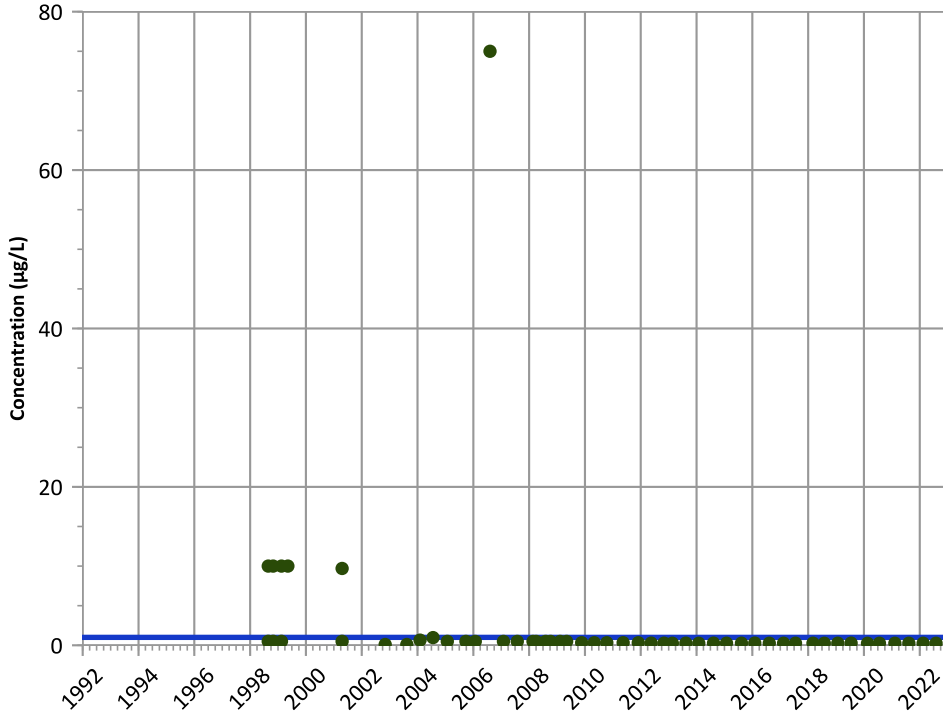
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

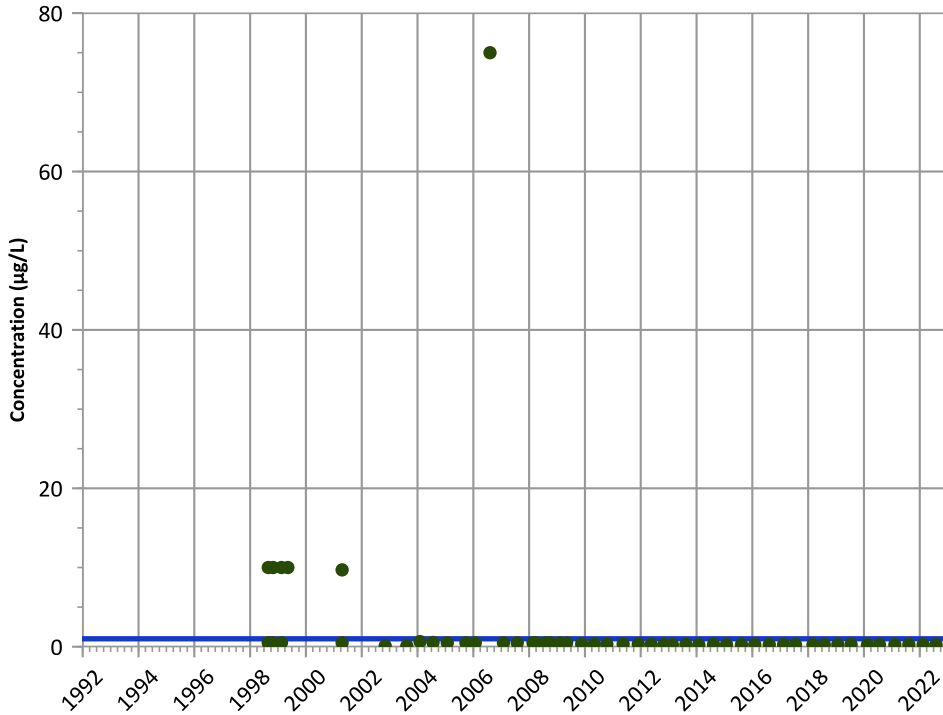
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

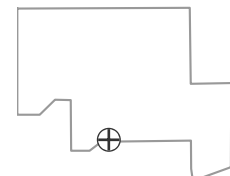
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

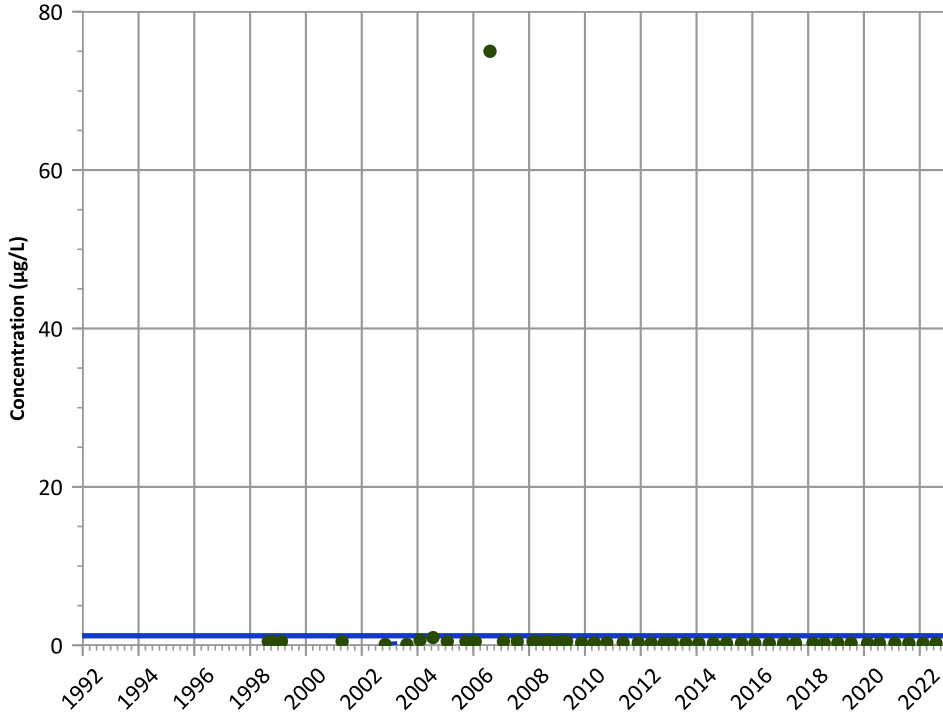
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

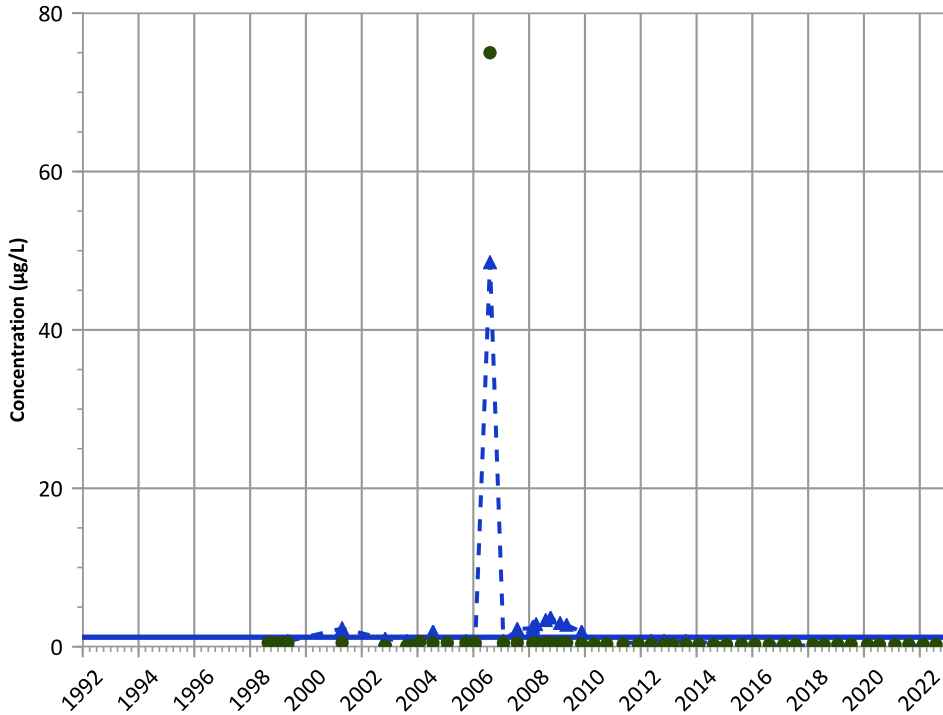


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

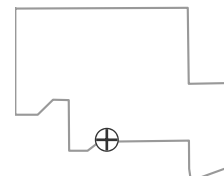
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

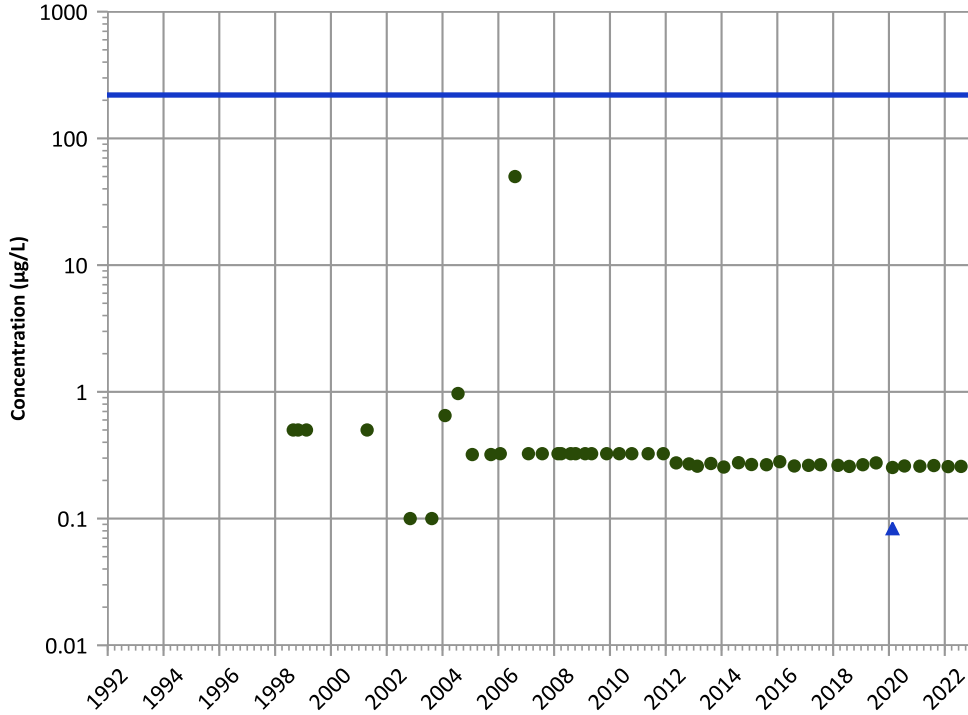
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

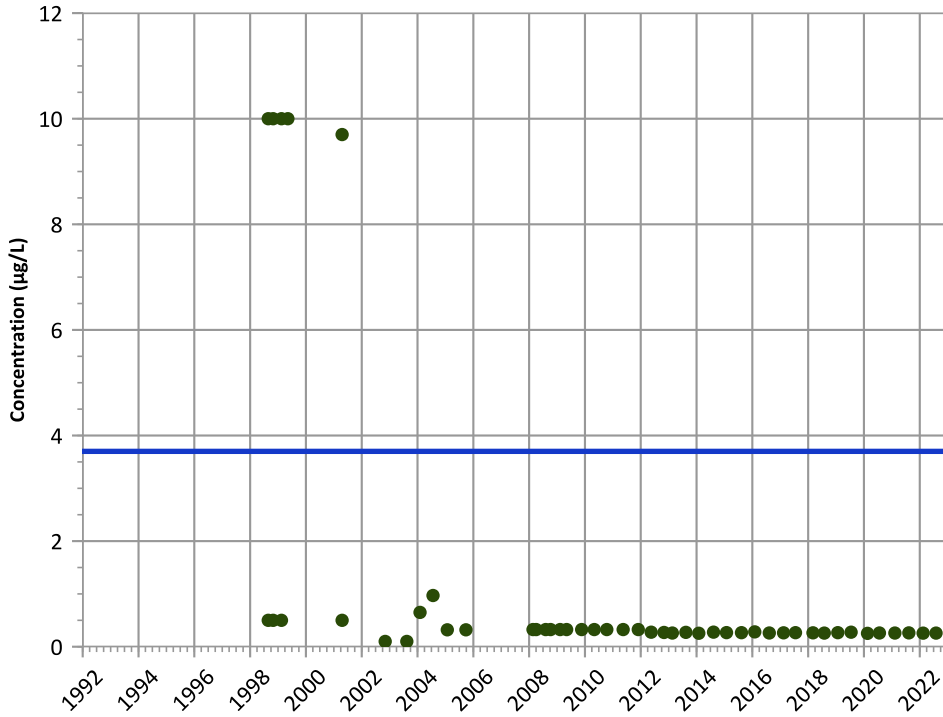


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

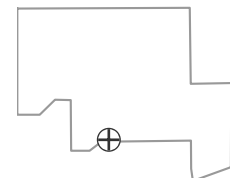
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

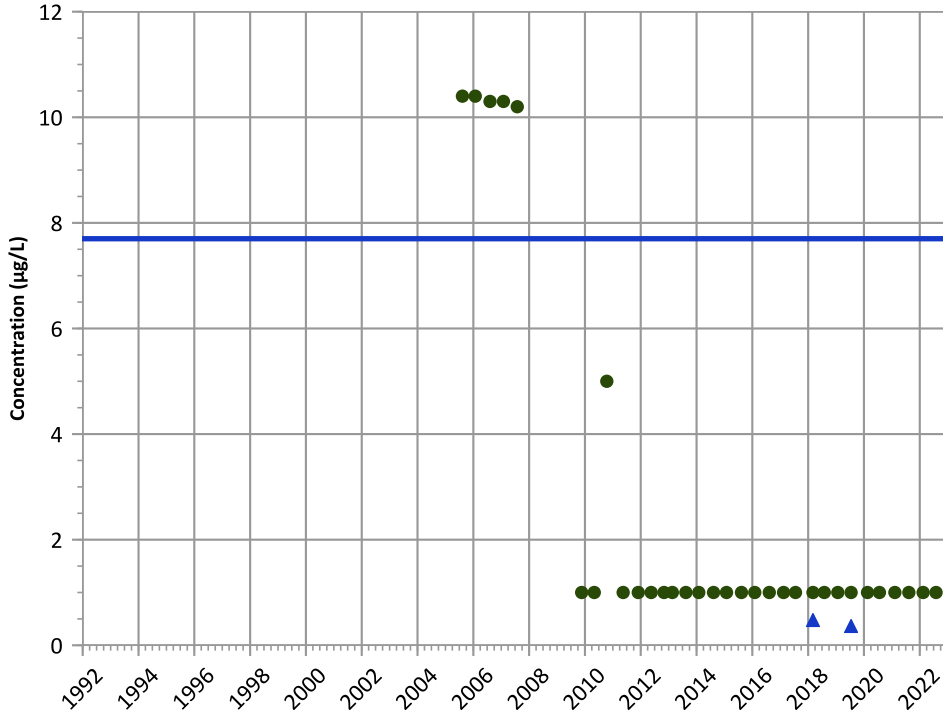
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

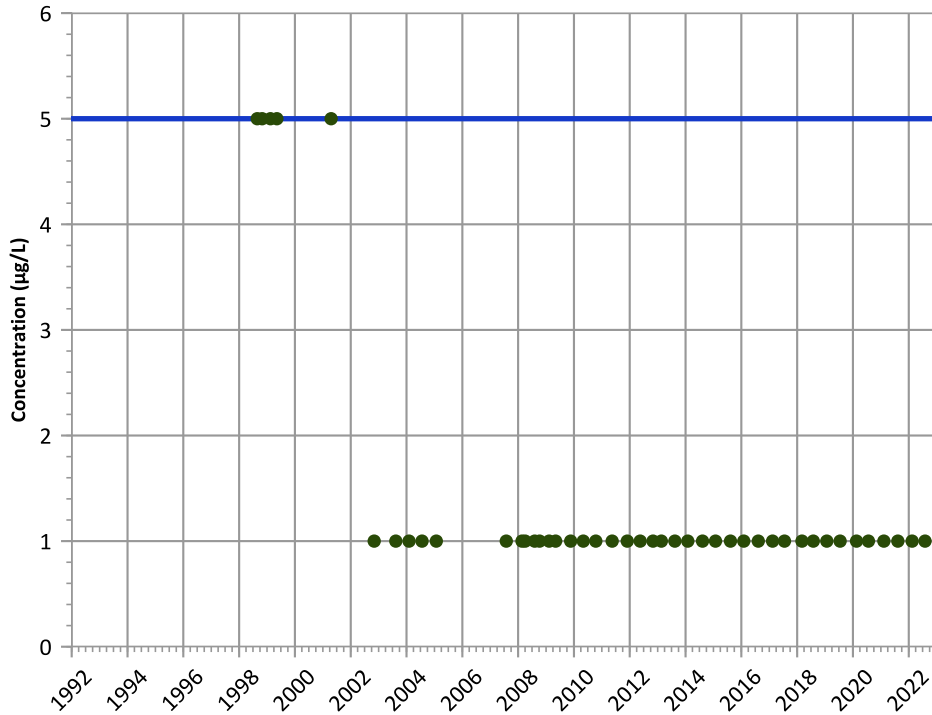


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

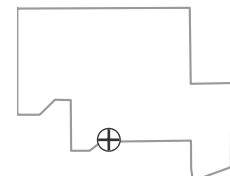
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

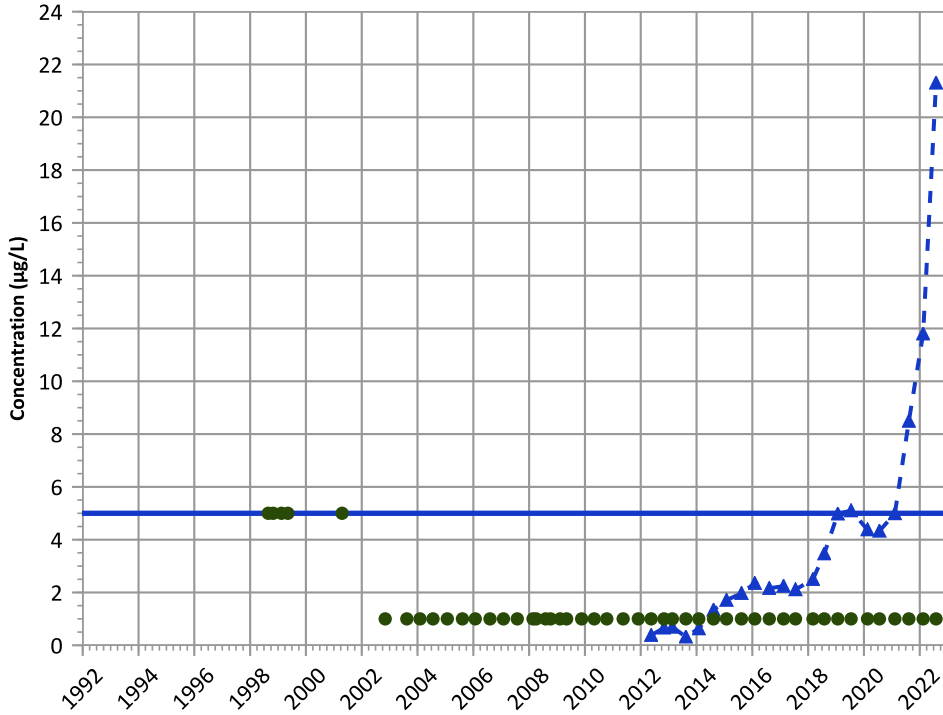
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

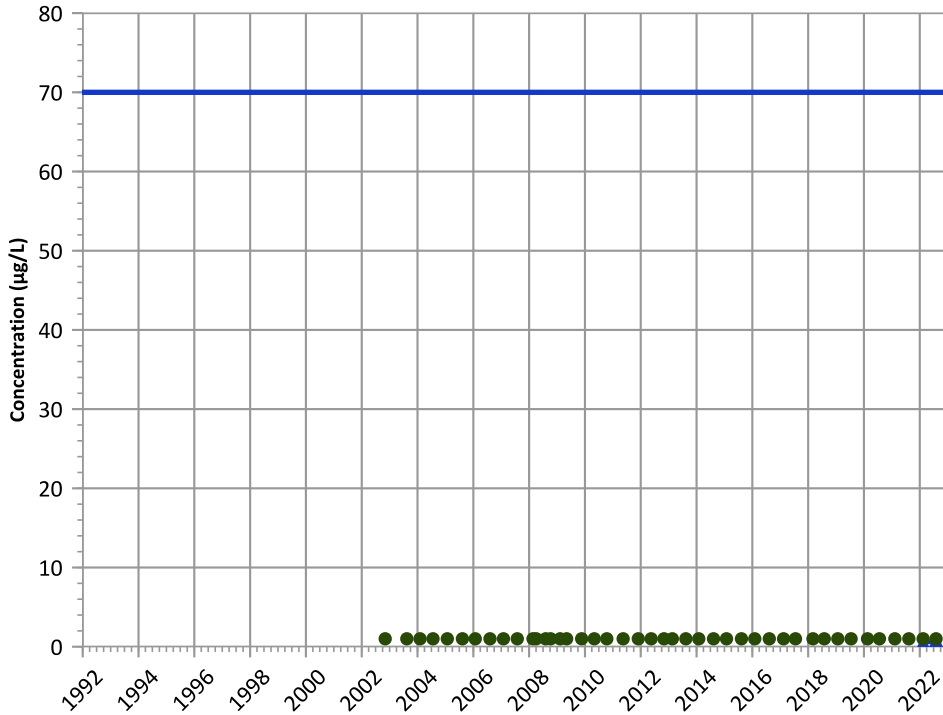
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

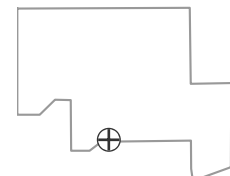
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

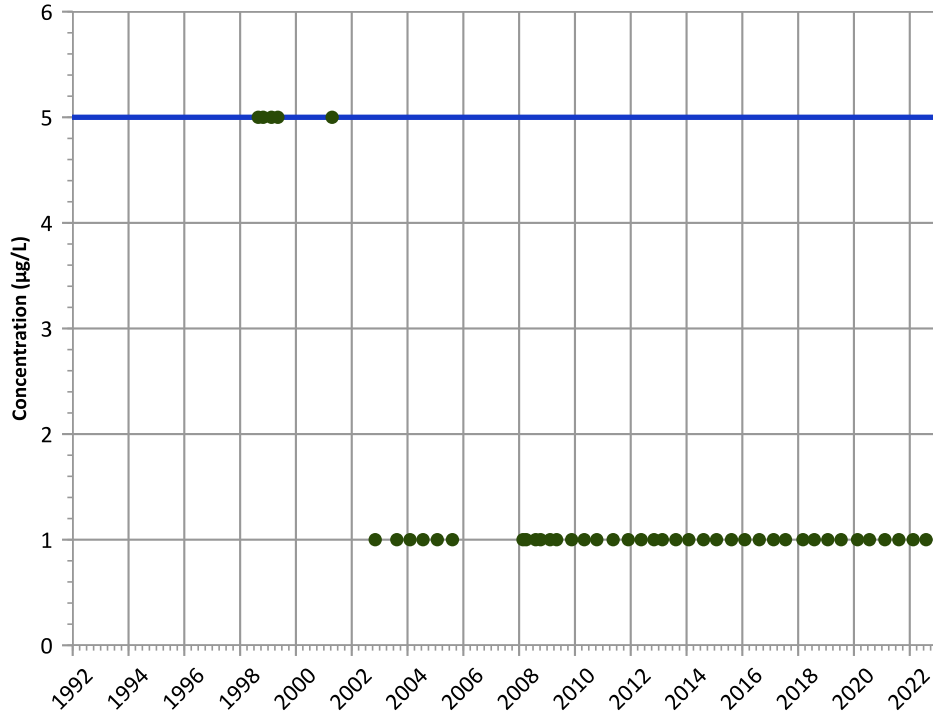
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

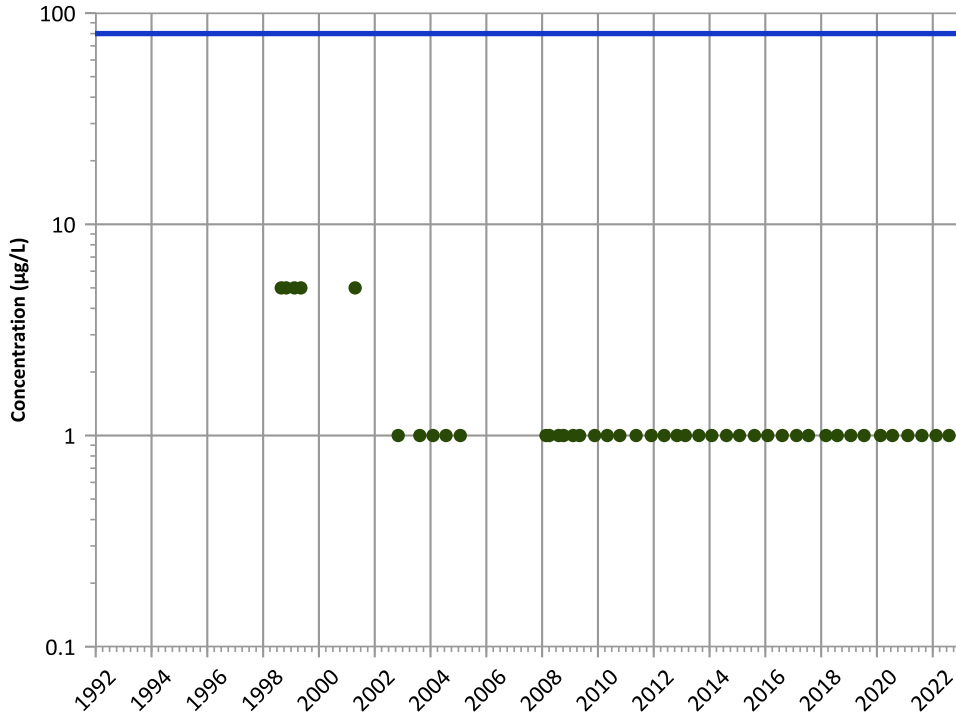
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

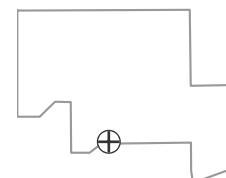
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**



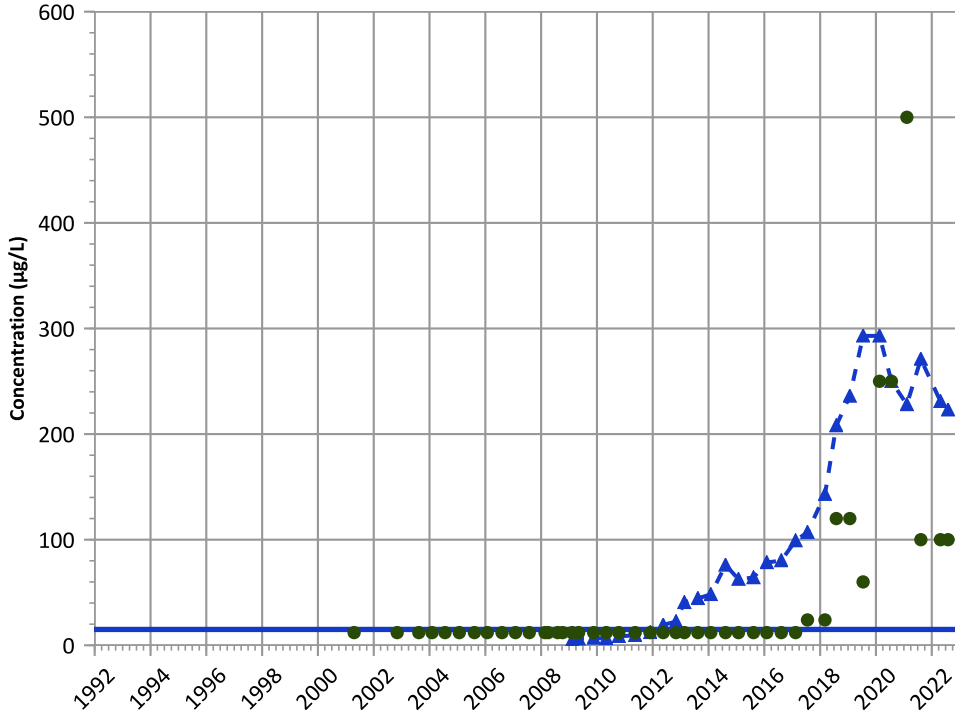
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

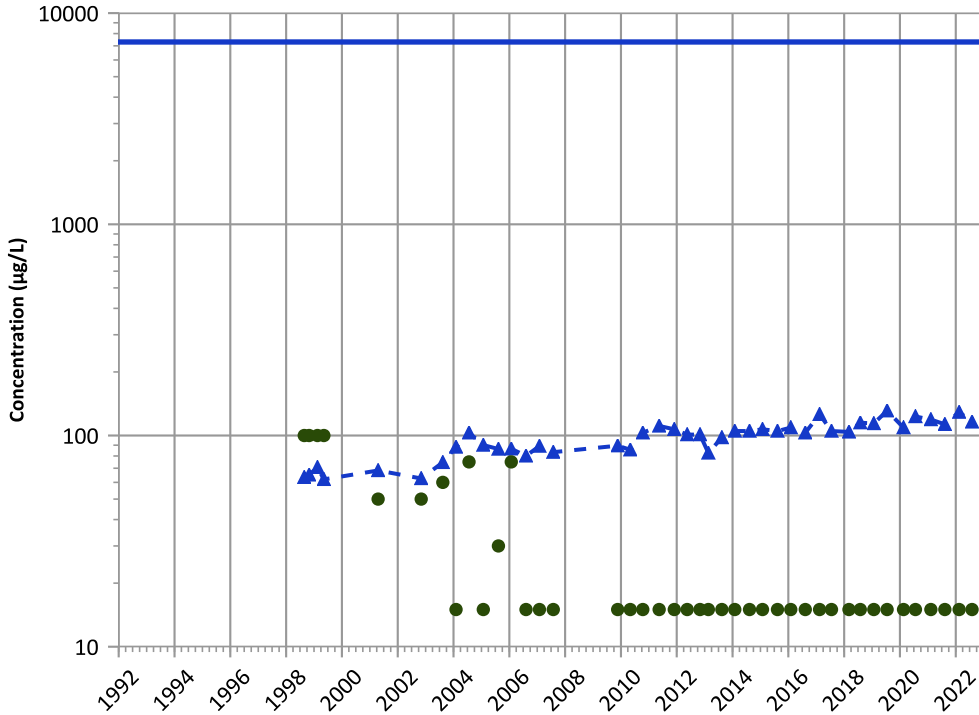
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

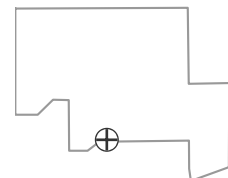
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

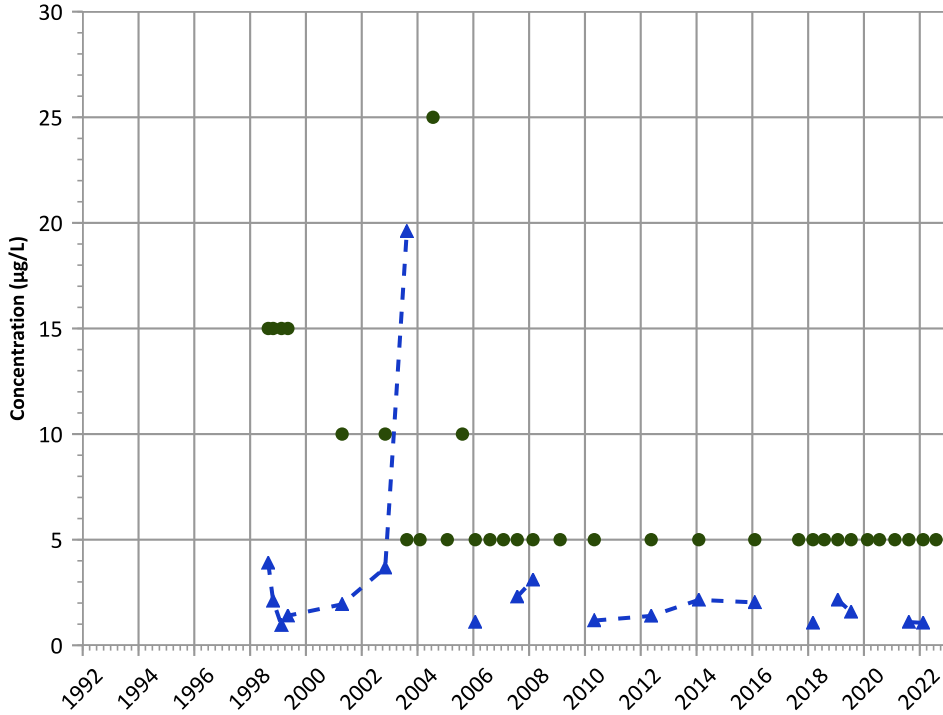
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

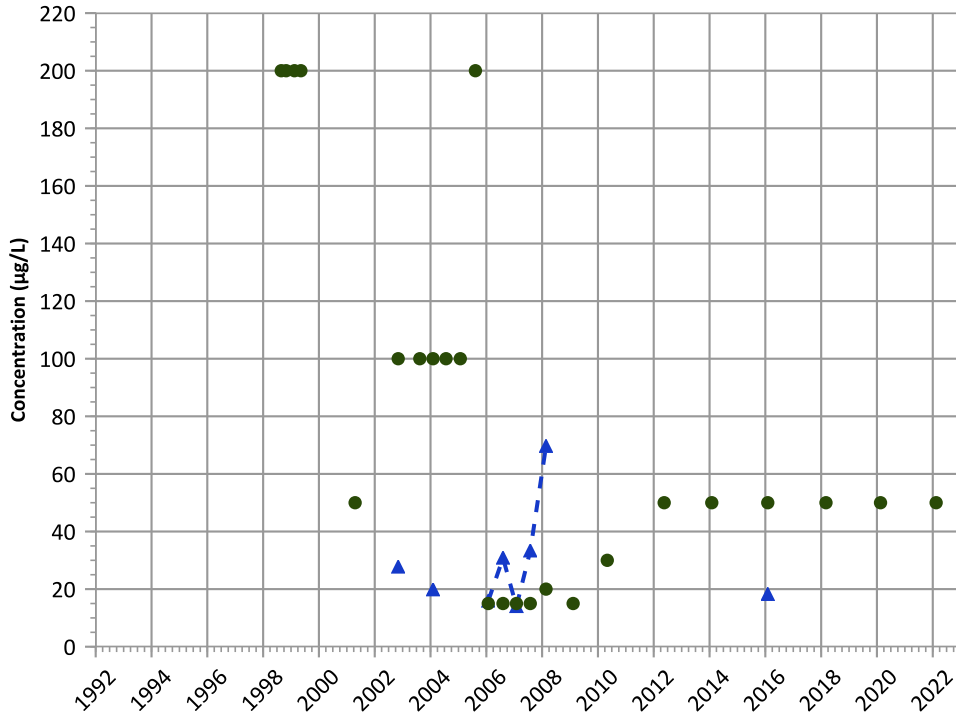


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Aluminum Trend



Concentration Trend

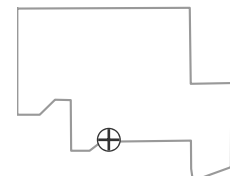
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

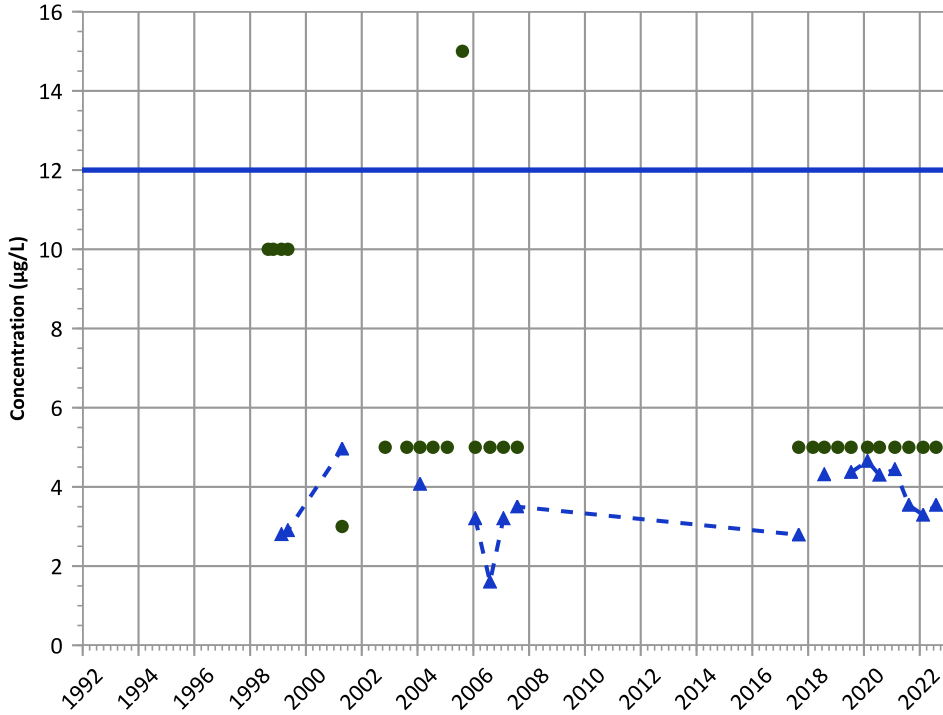
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

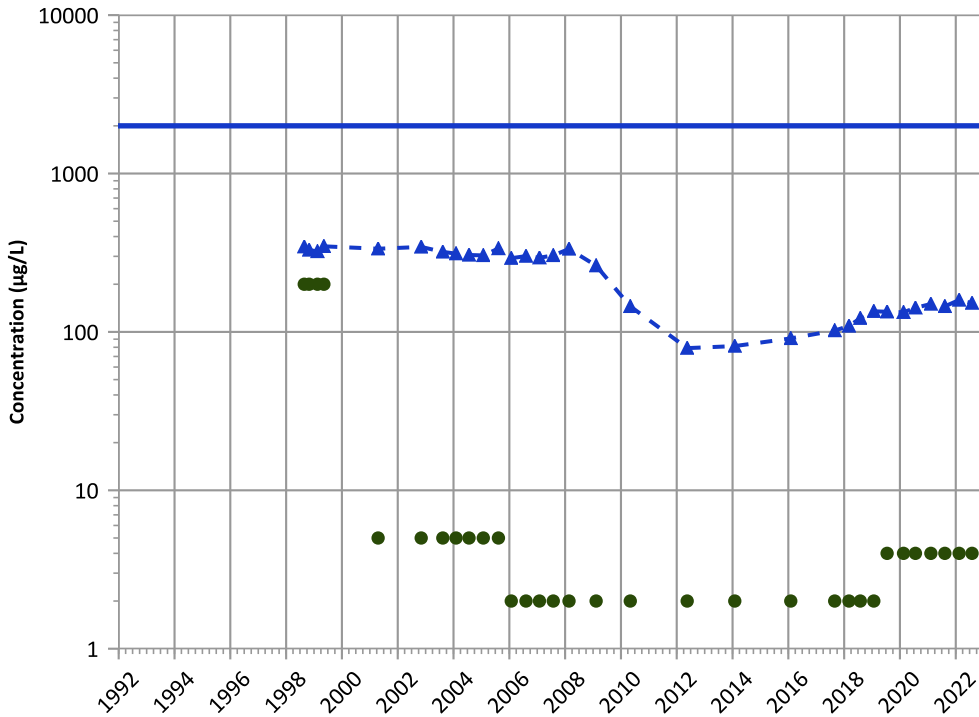


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Barium Trend



Concentration Trend

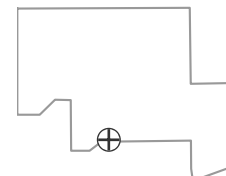
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

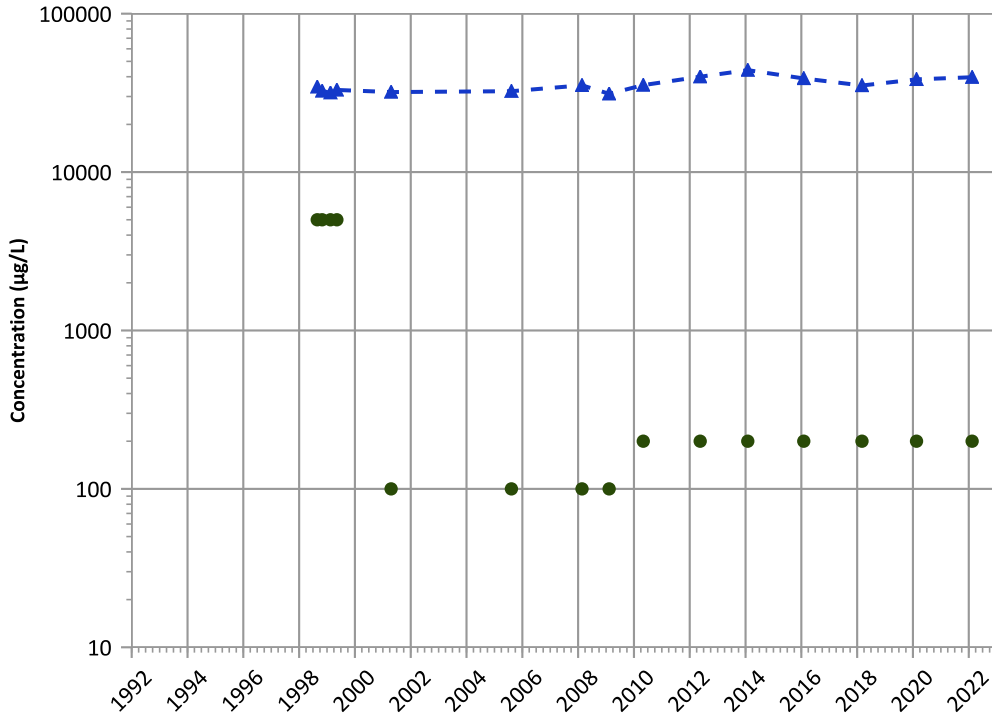
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

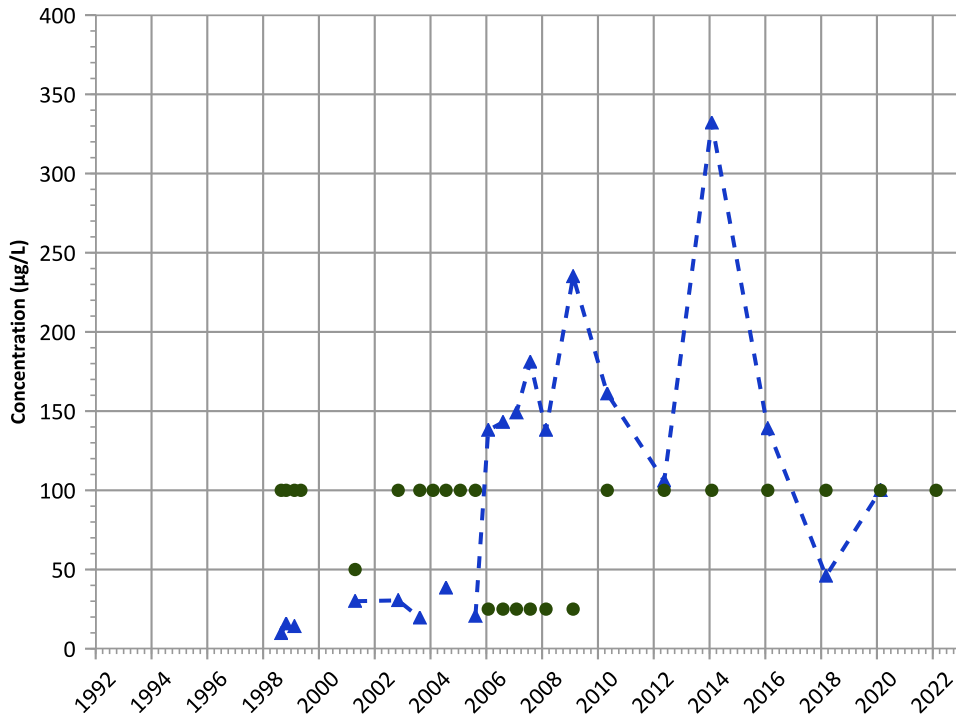
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

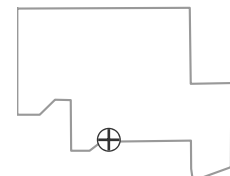
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Well Location

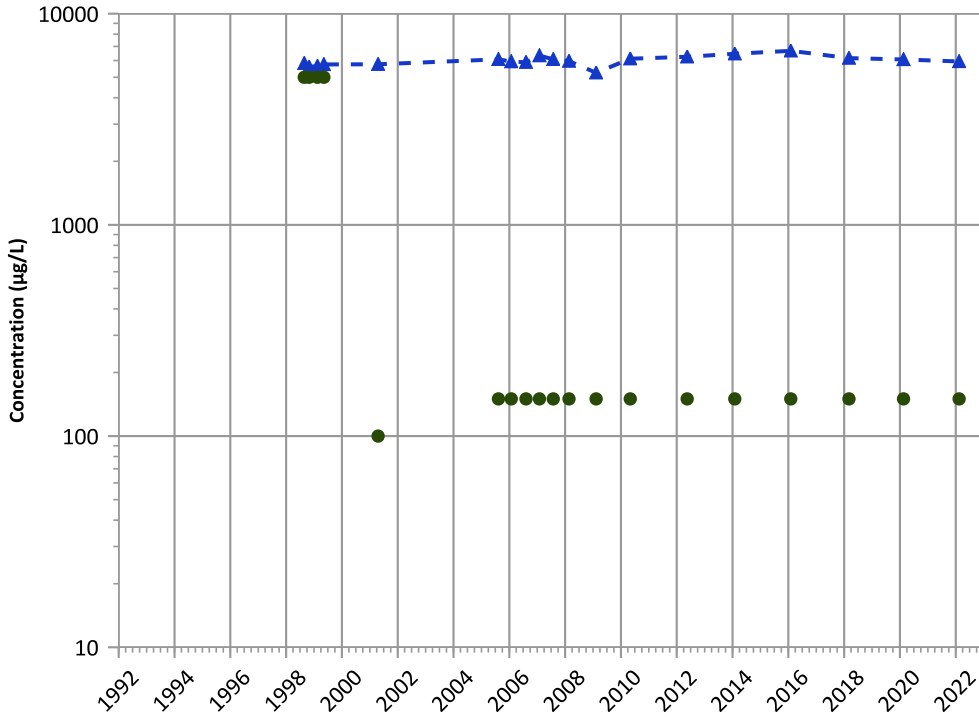


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1035 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

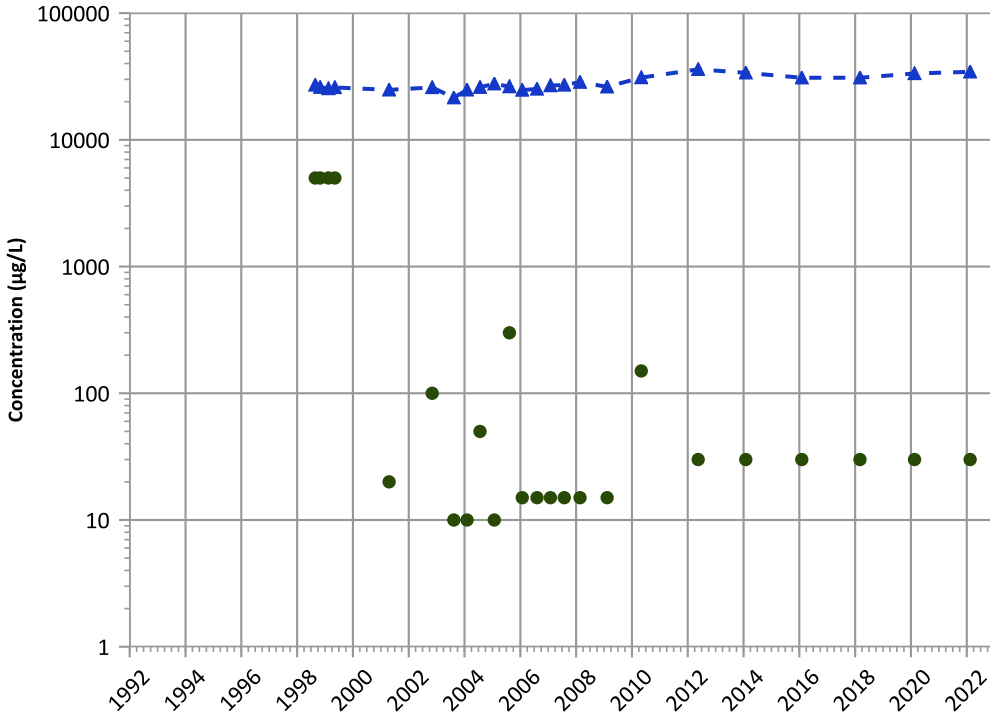
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Probably Decreasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

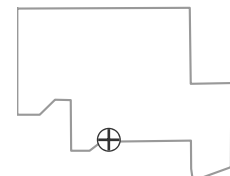
2020 - 2022 Data:

Increasing

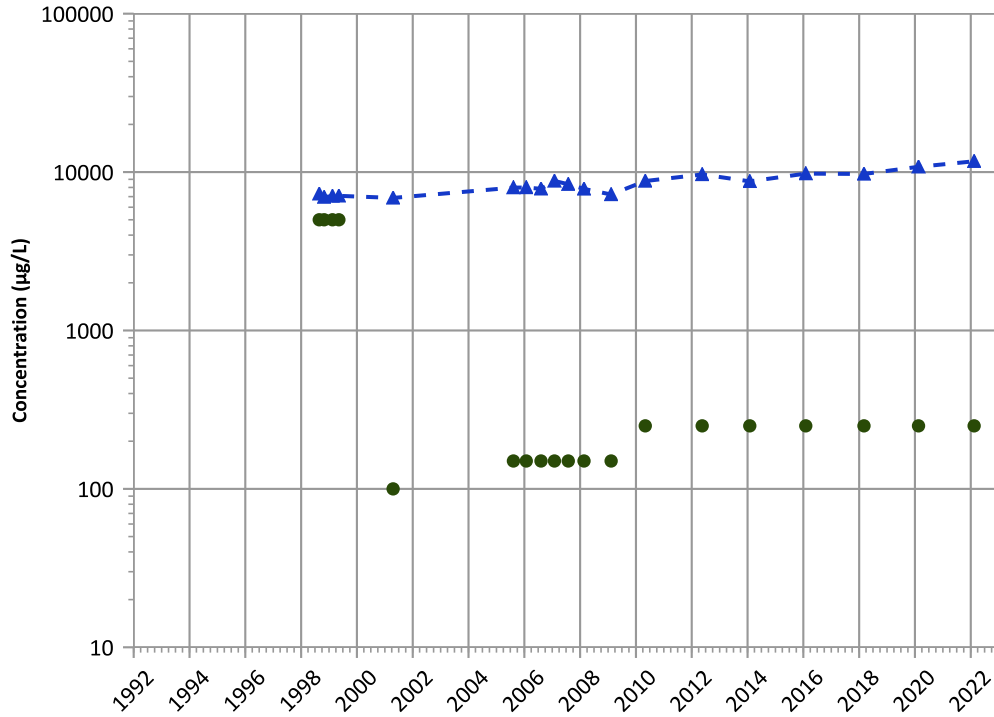
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/1998 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Increasing

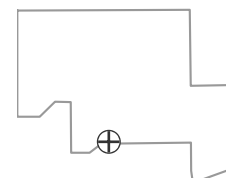
2020 - 2022 Data:

Increasing

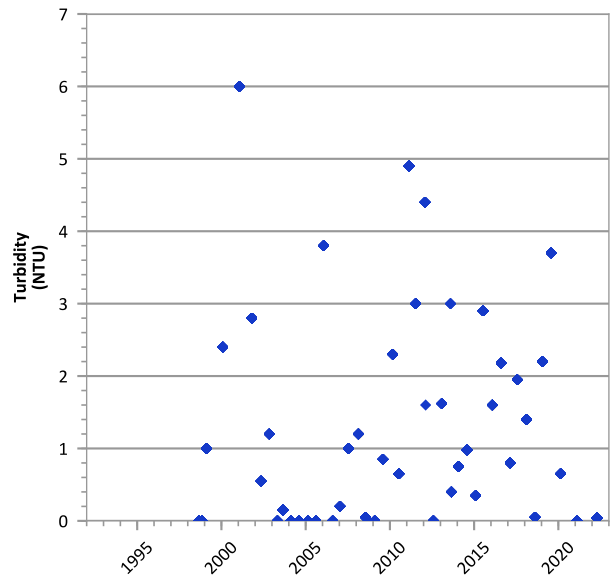
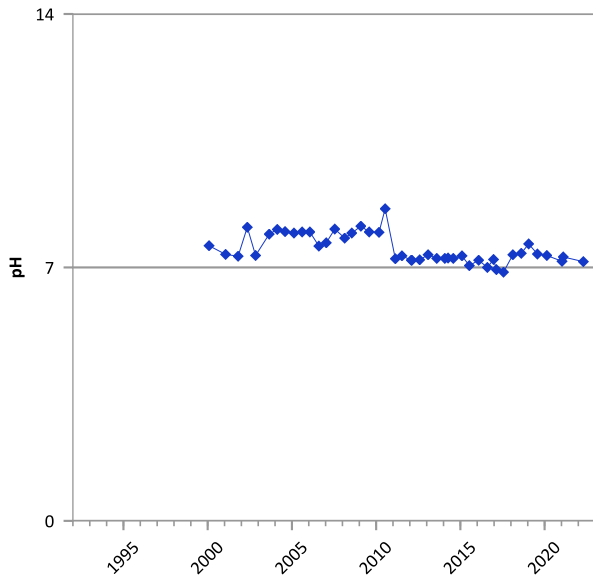
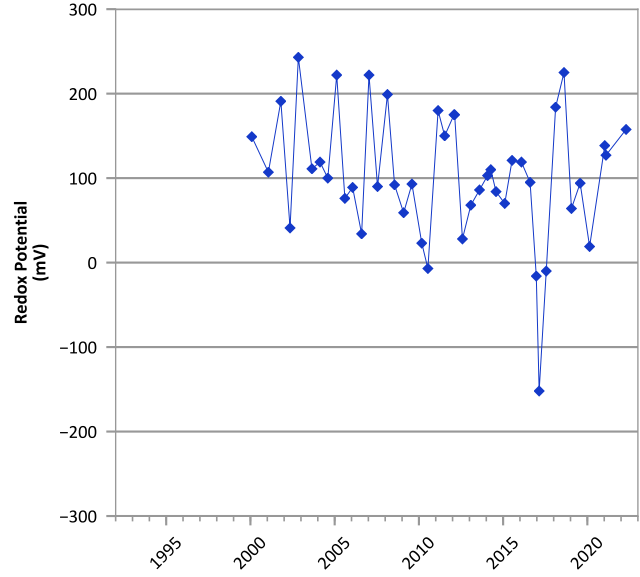
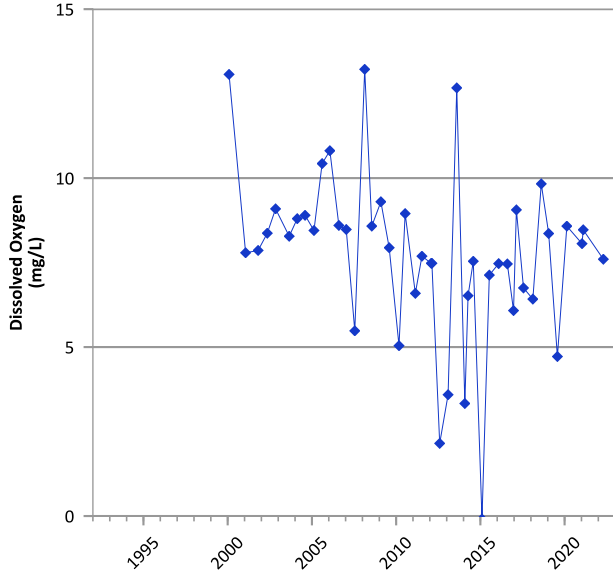
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/26/1998 to 08/02/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

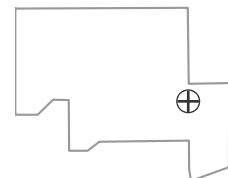


**PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



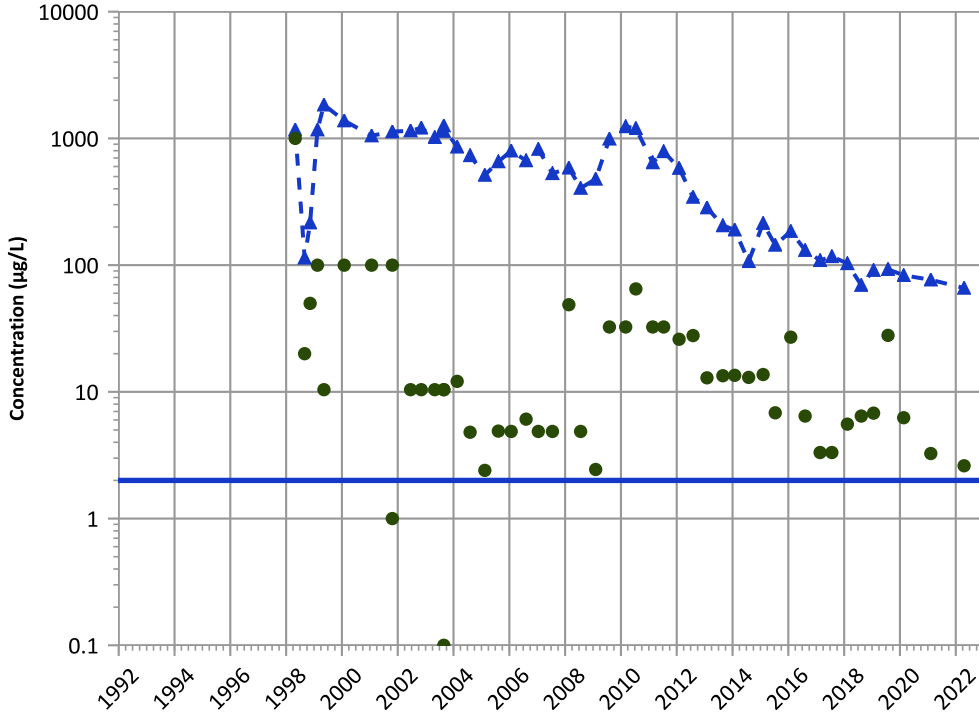
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/30/1998 to 04/20/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

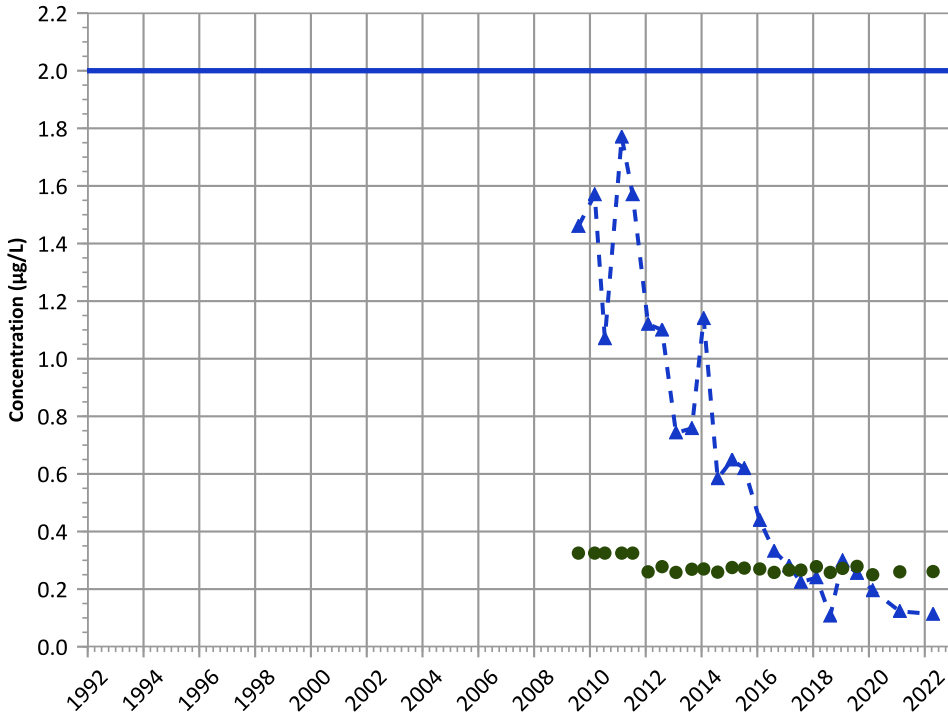
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

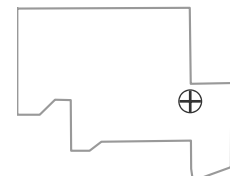
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

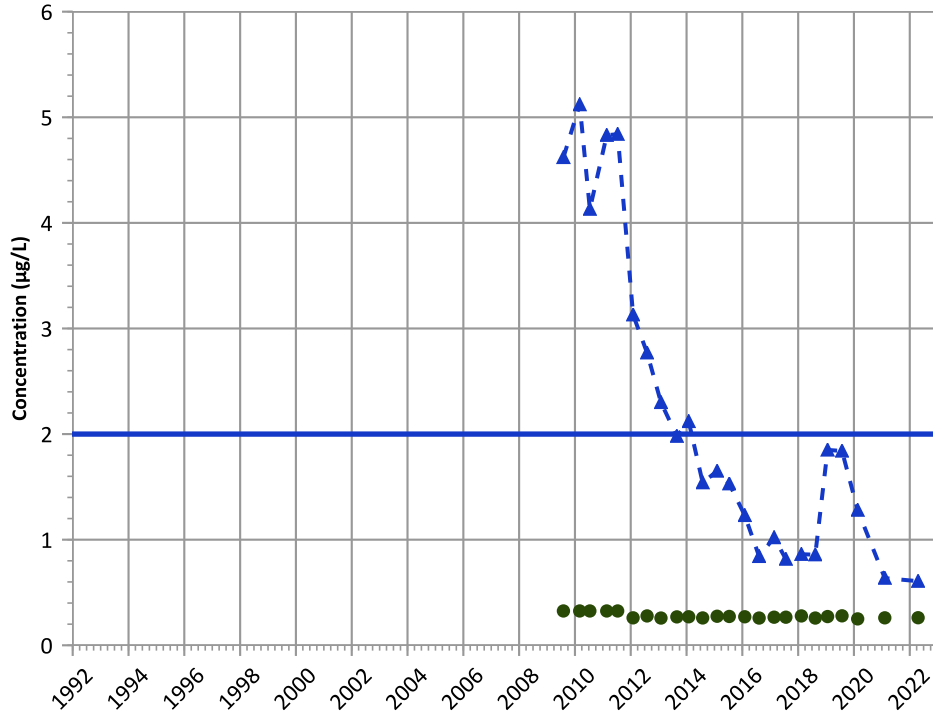
Well Location





PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

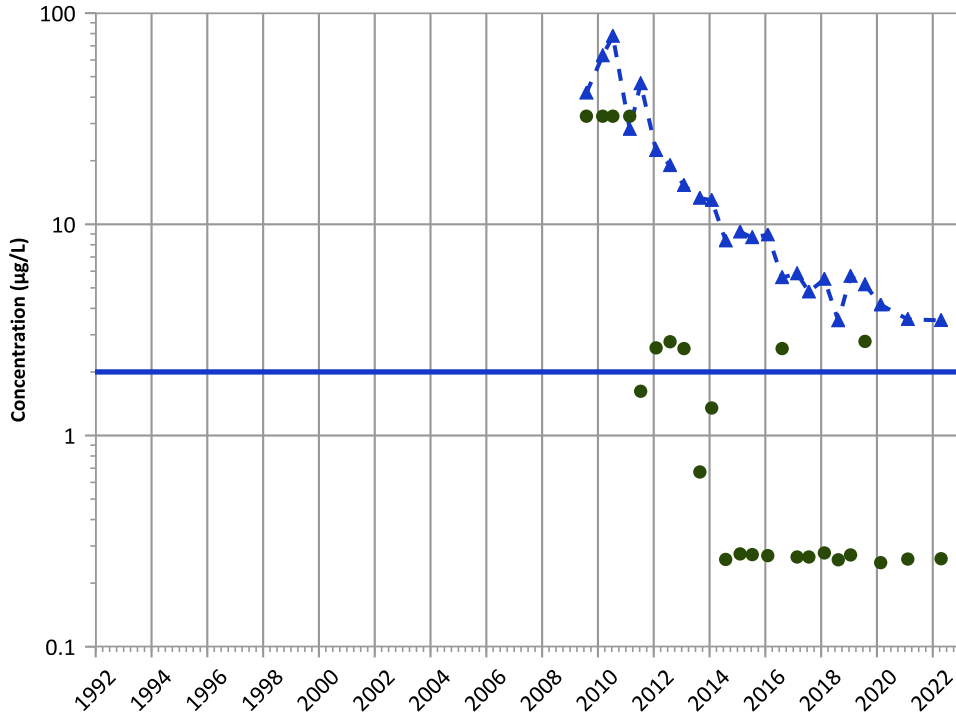


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

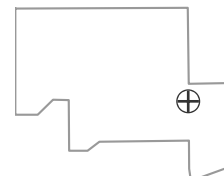
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

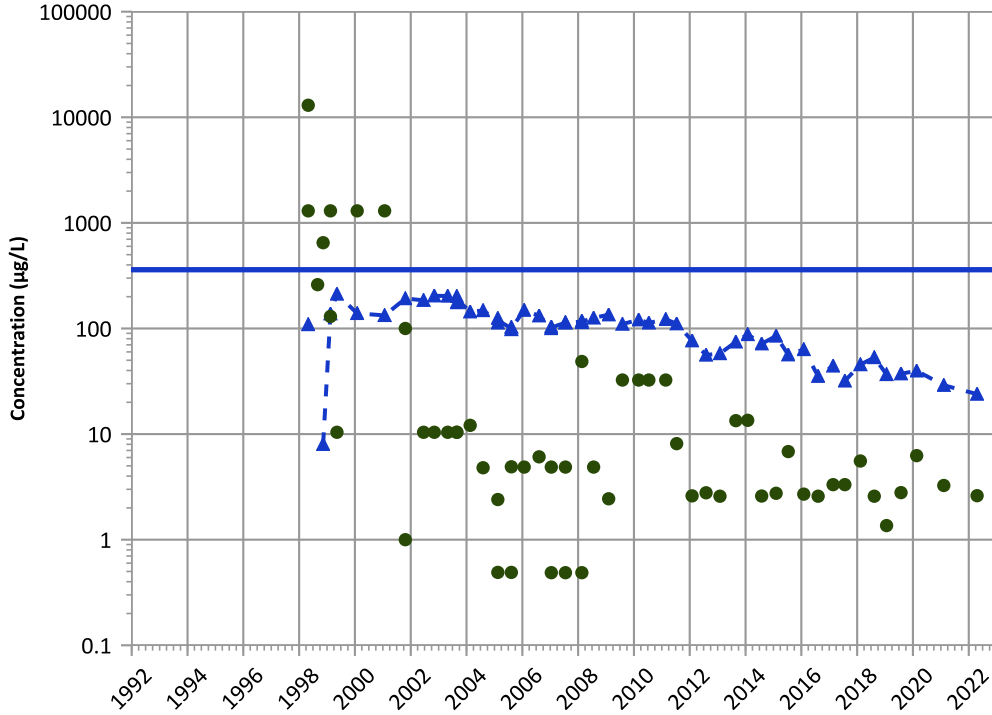
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

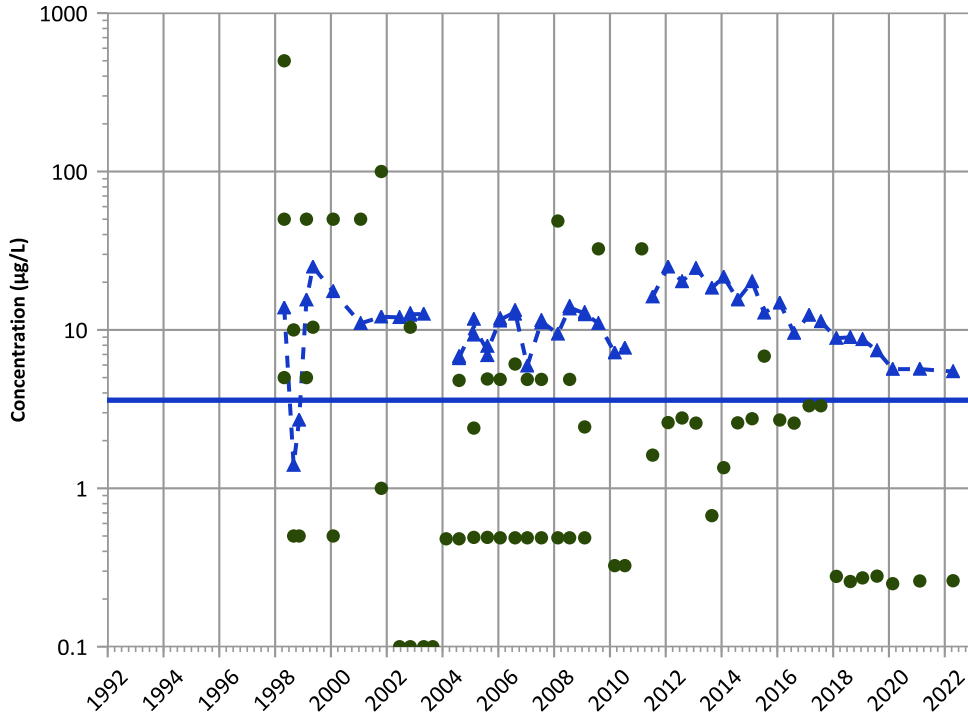


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

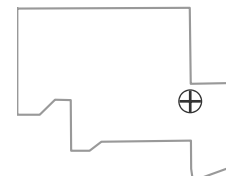
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

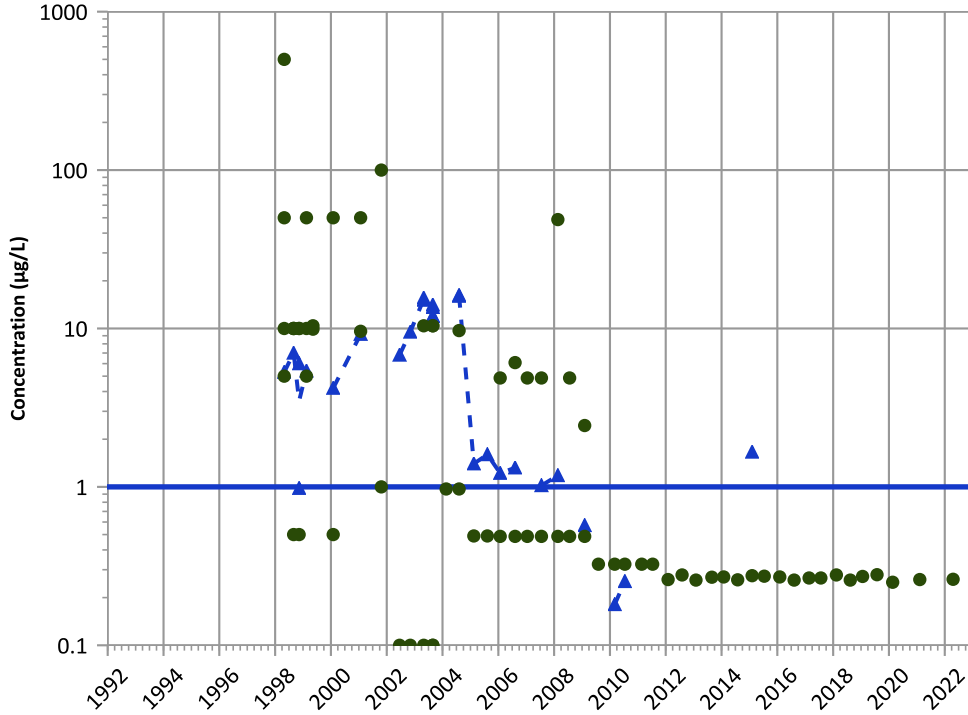
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

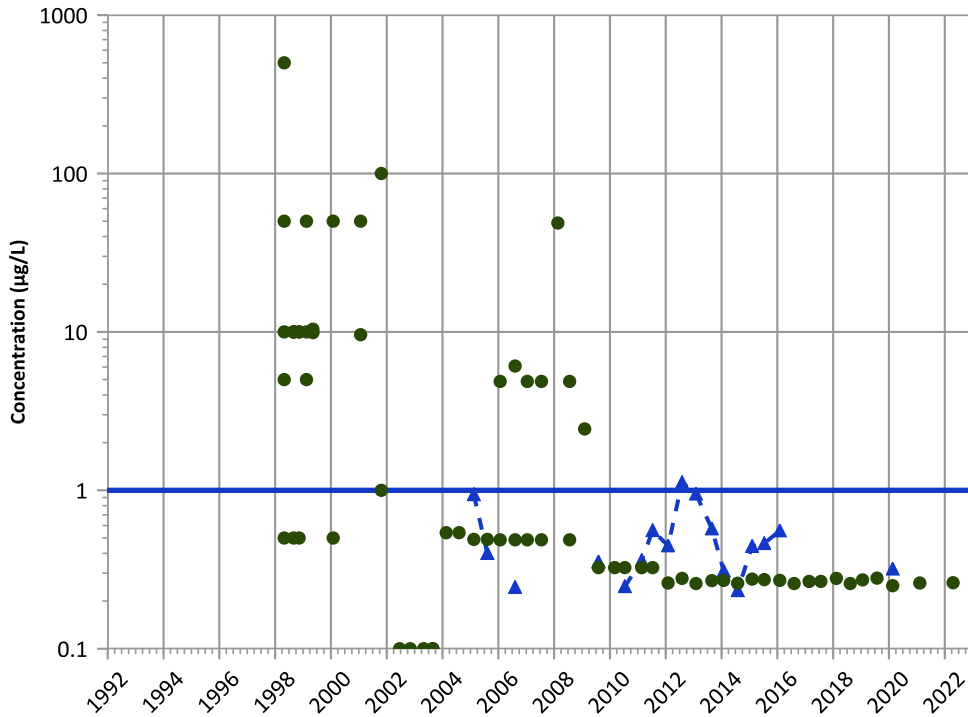


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

2,6-Dinitrotoluene Trend



Concentration Trend

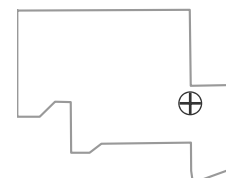
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

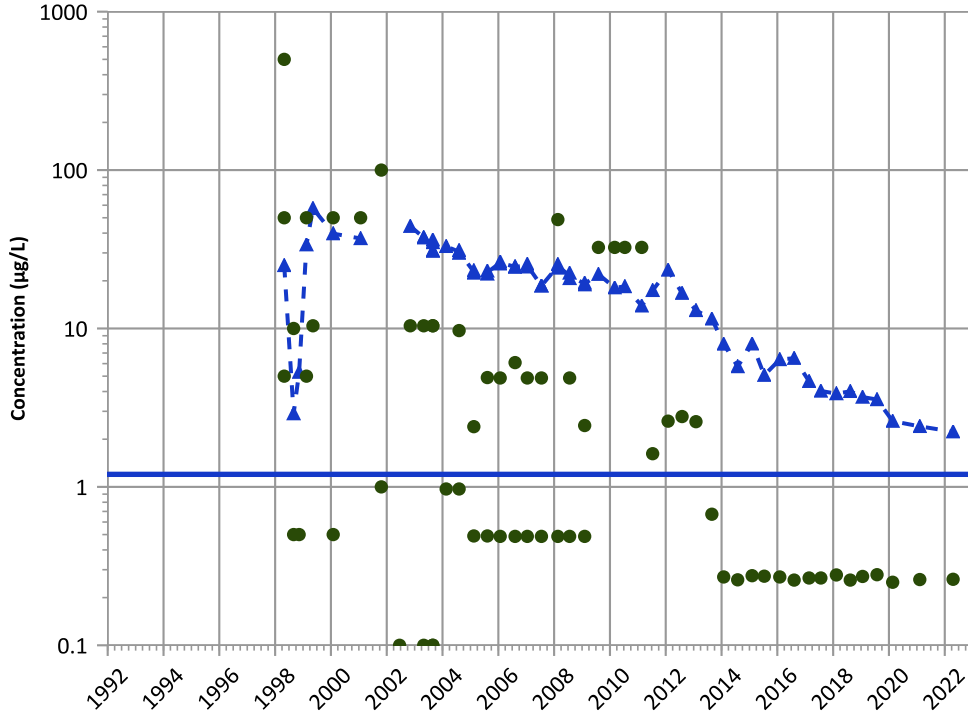
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

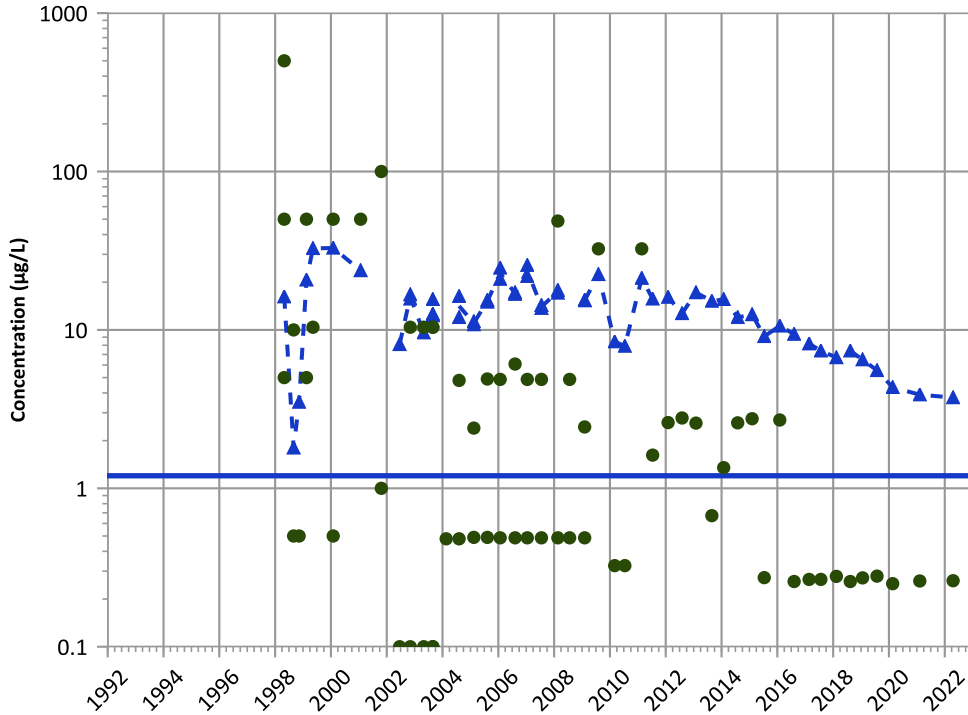


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

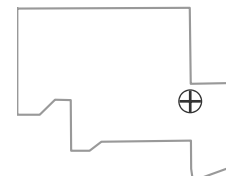
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

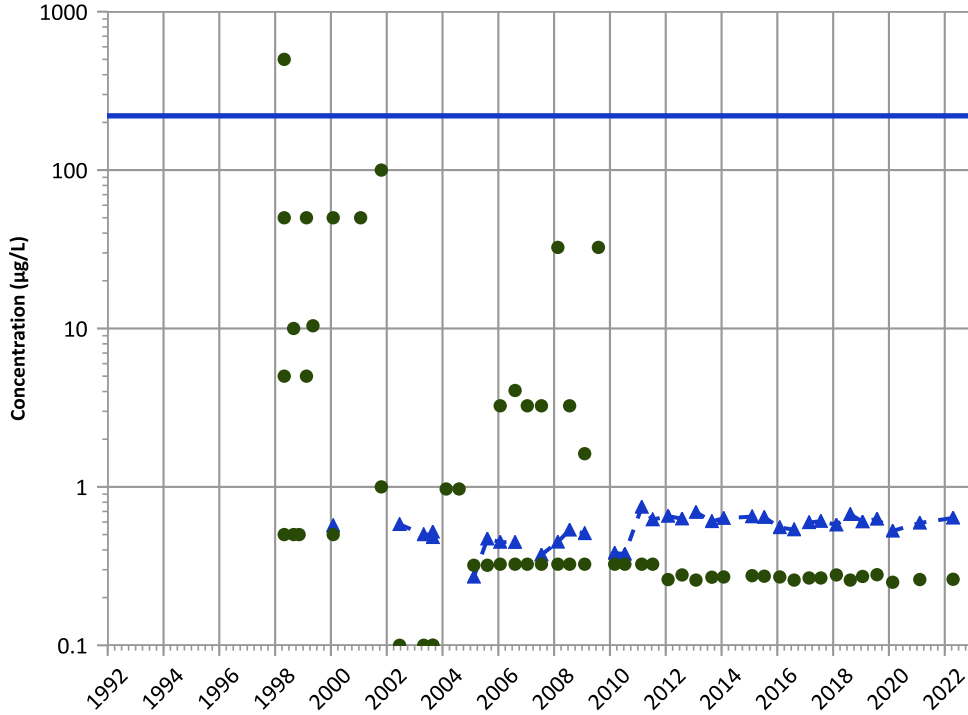
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

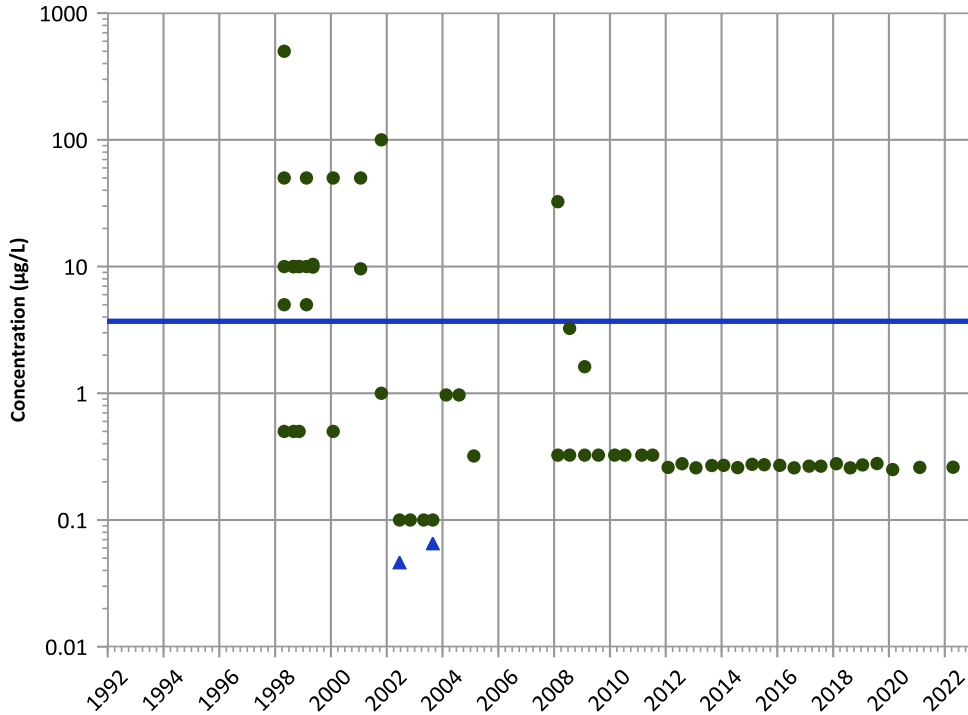
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Stable

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

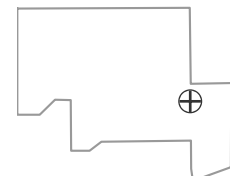
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

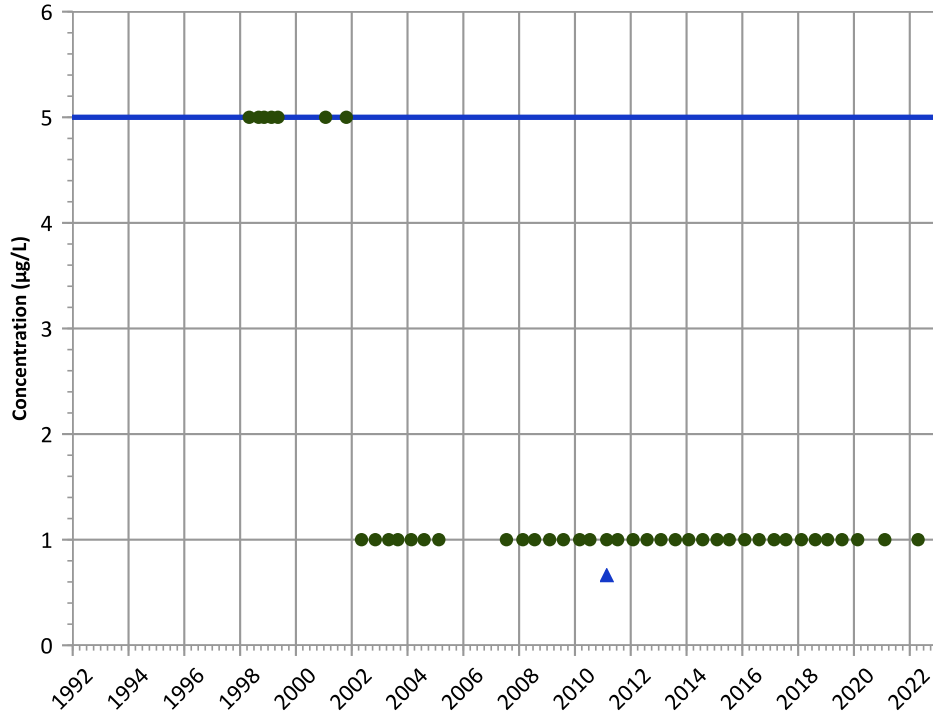
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

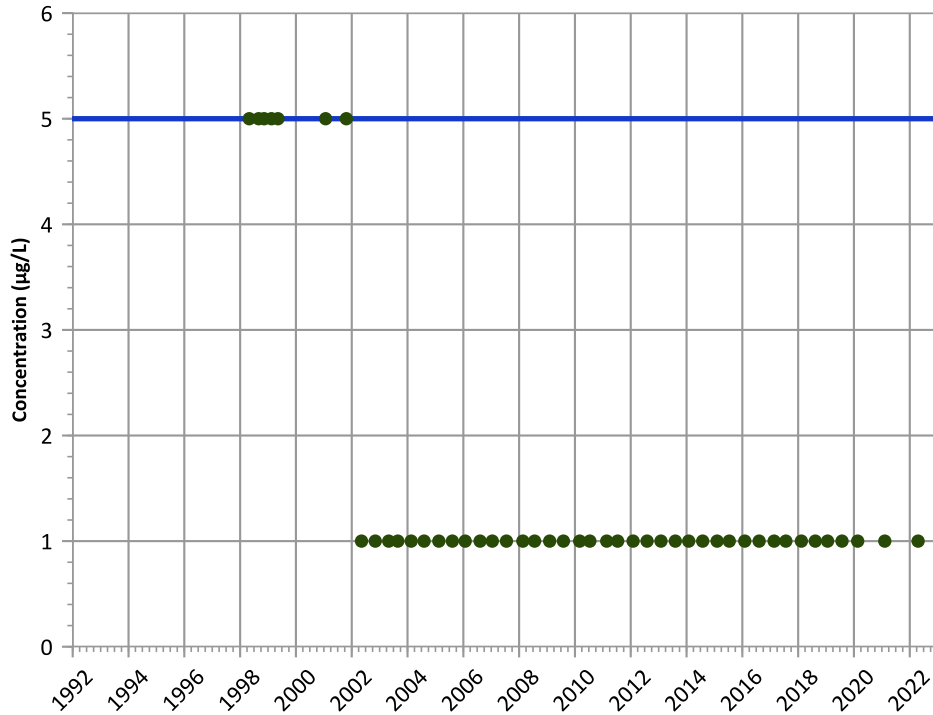


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

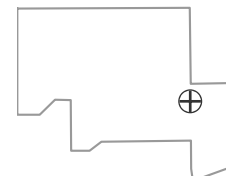
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

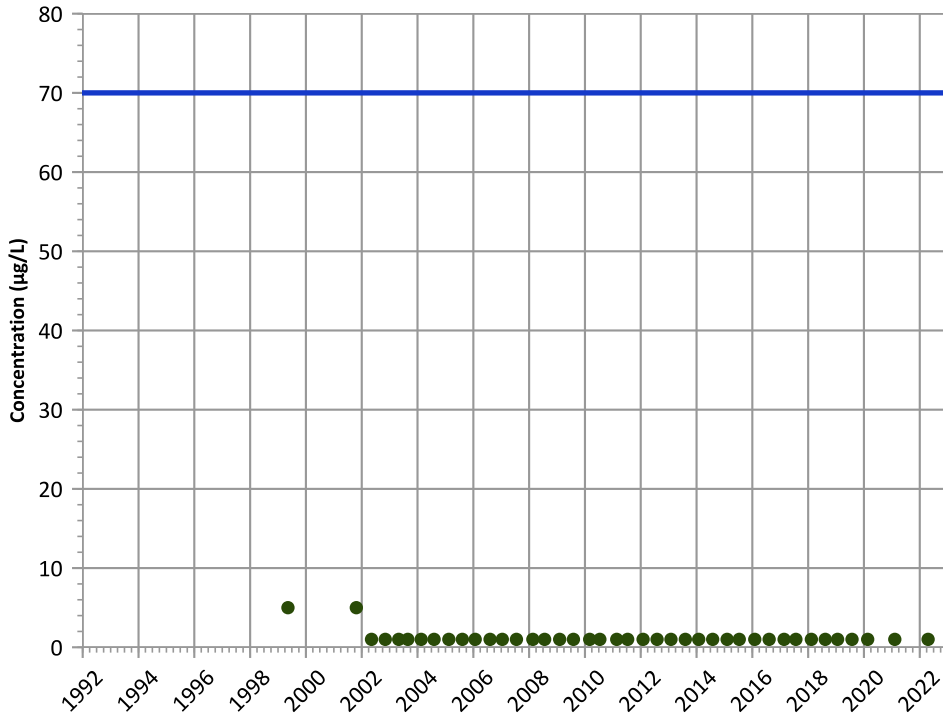
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

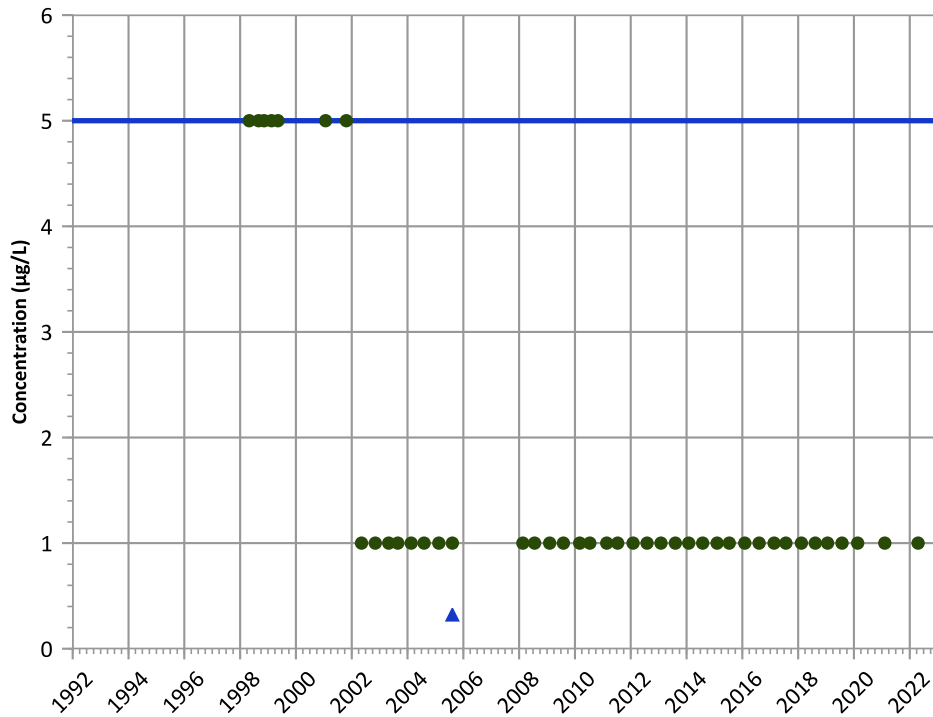
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

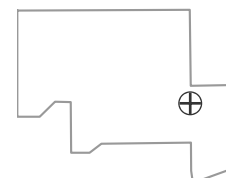
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

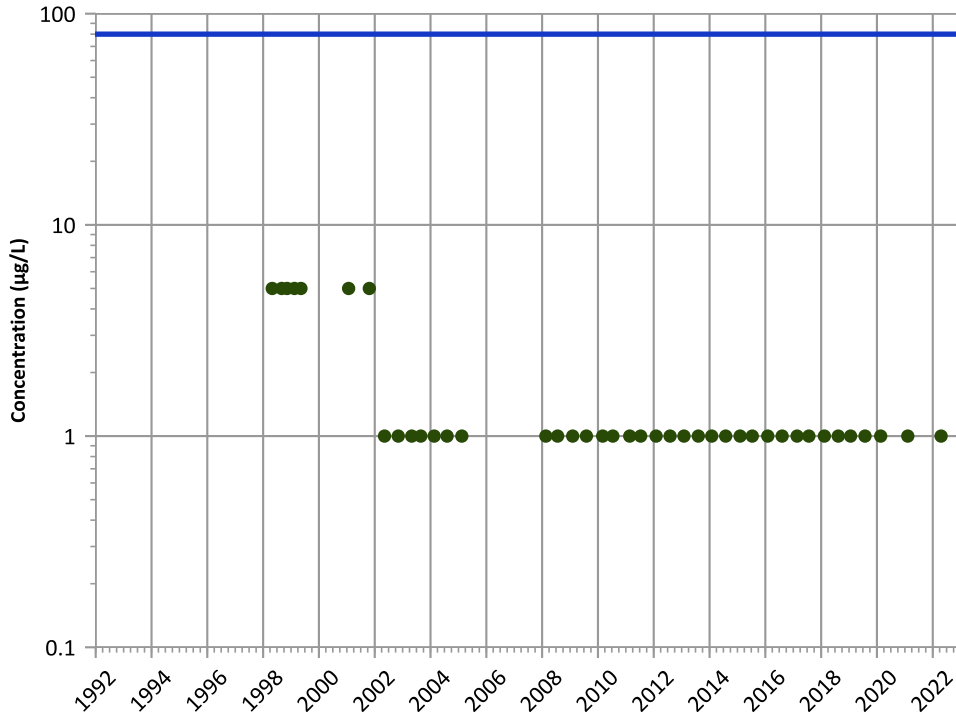
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

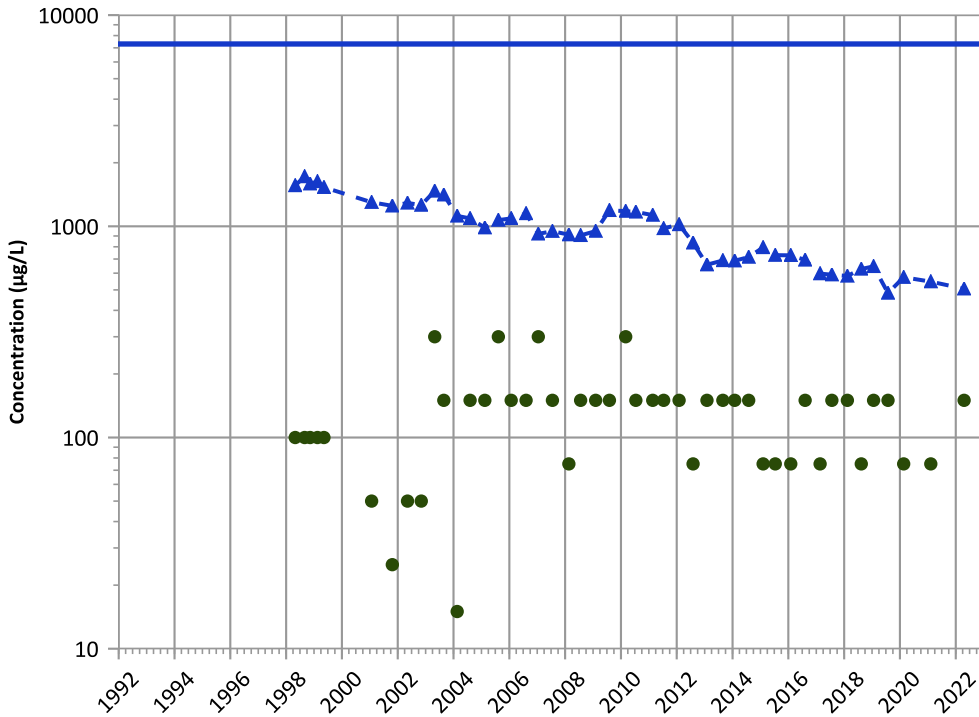
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

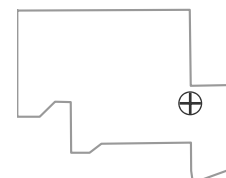
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

**Well Location**



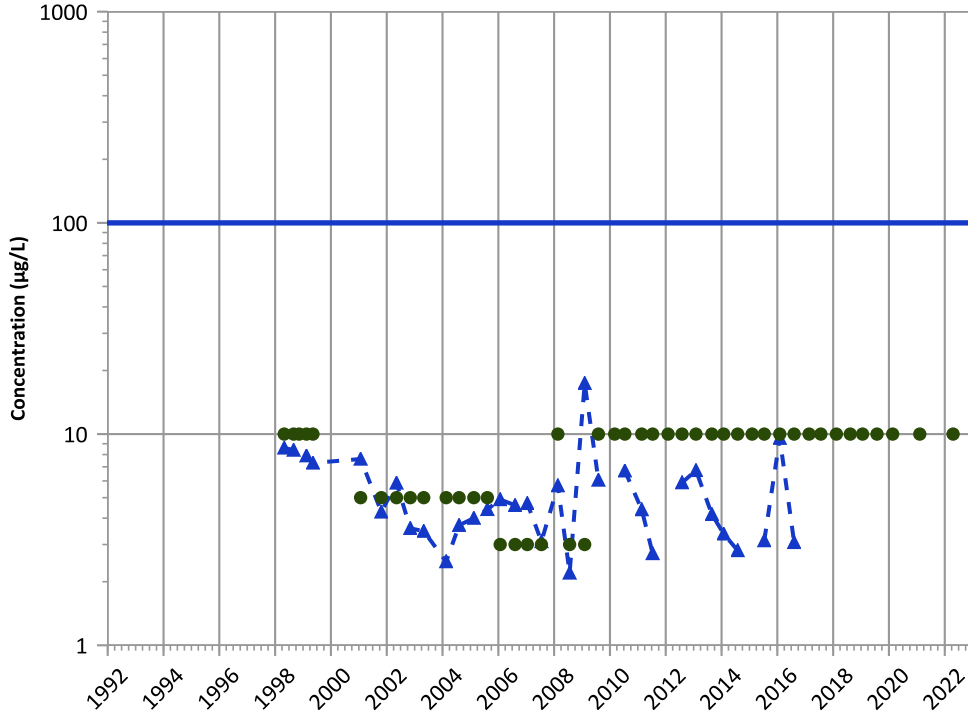
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

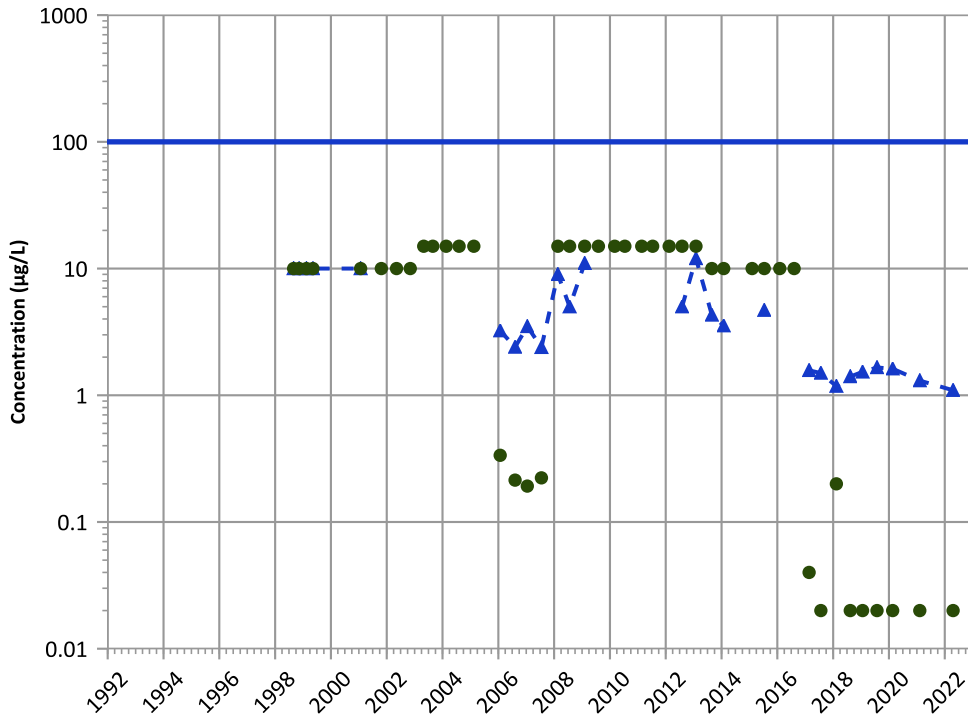


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend



Concentration Trend

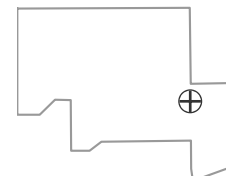
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

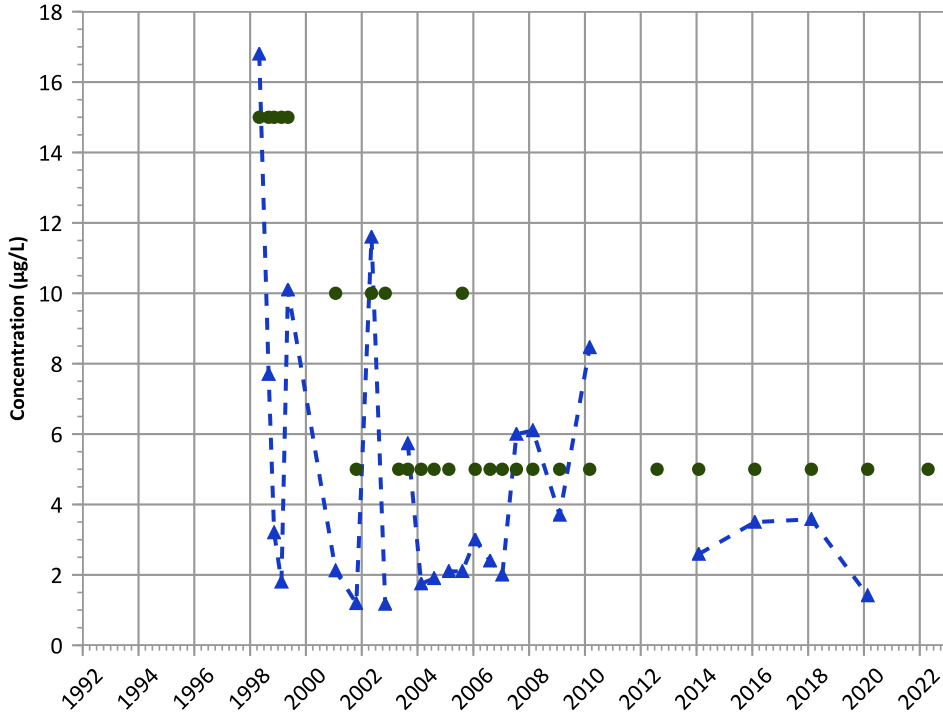
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

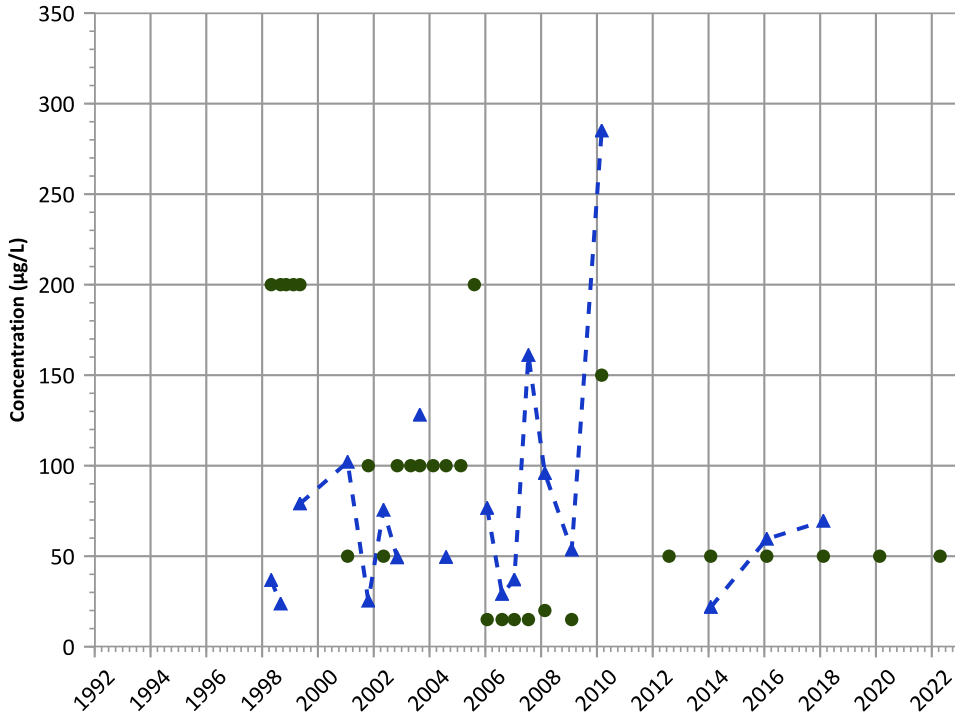


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

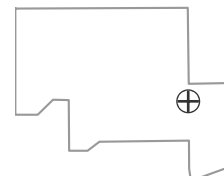
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

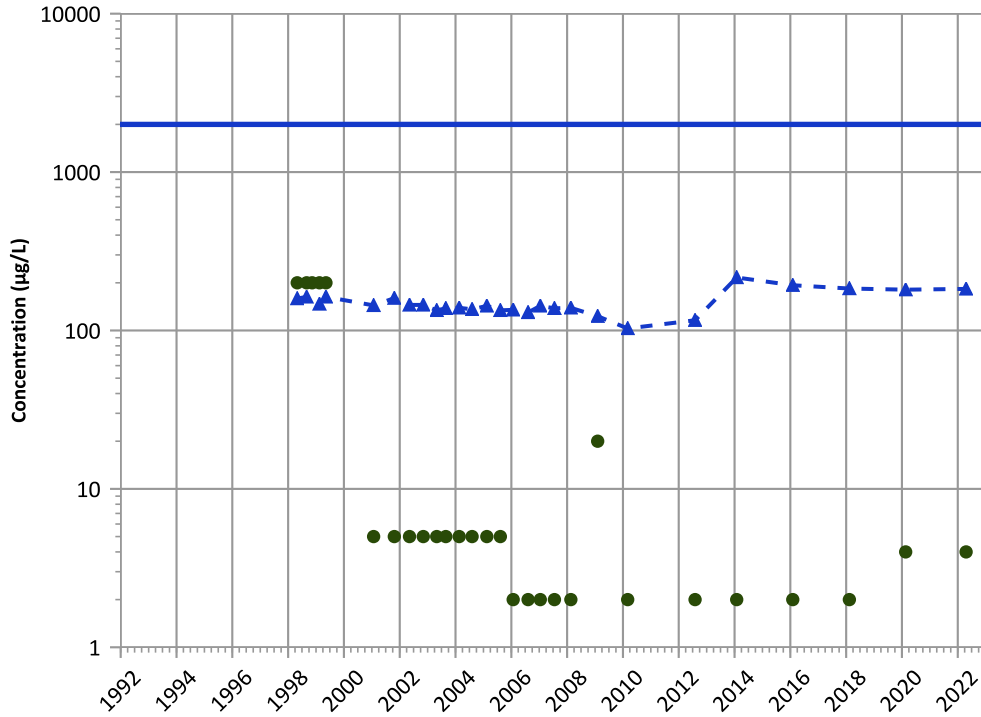
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

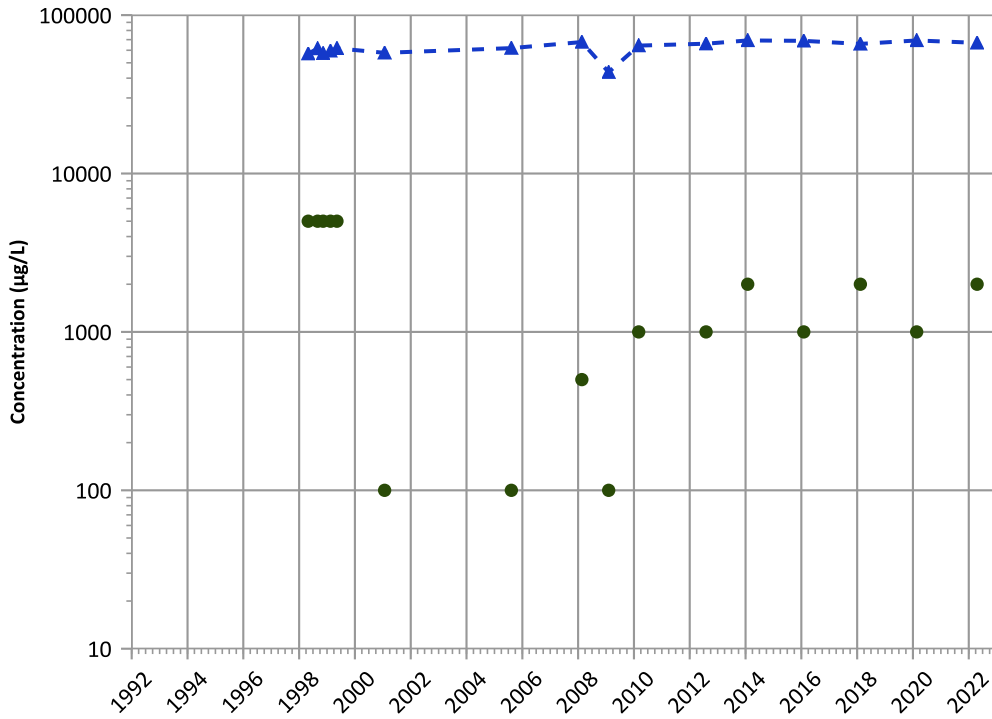
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Probably Decreasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

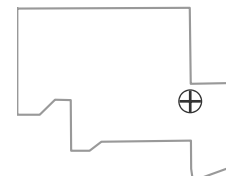
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

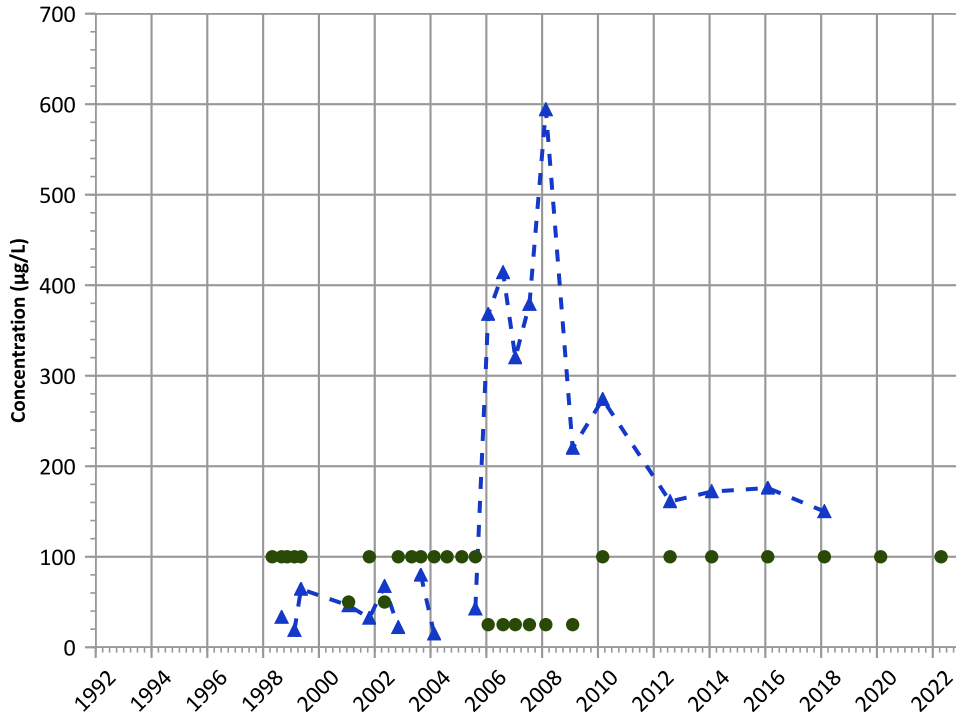
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

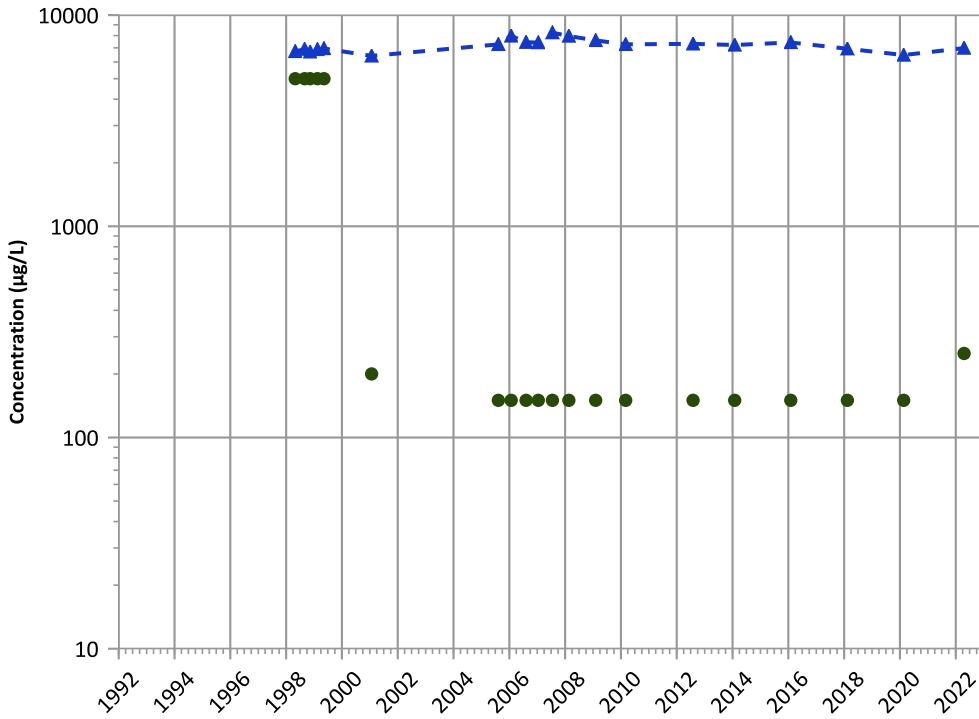


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

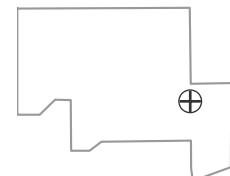
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

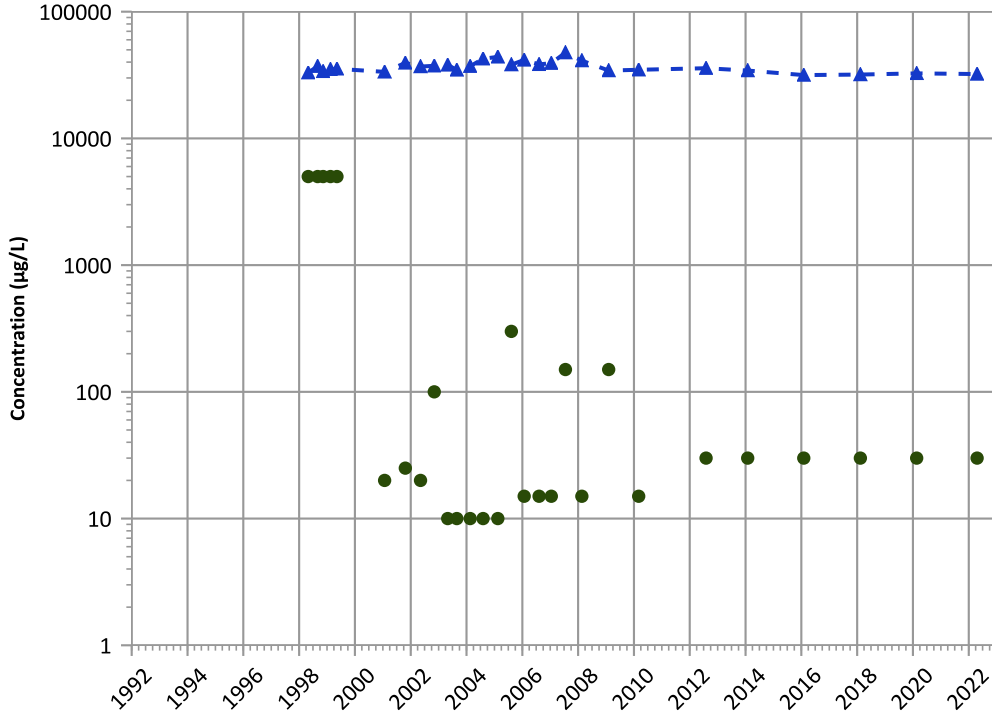
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

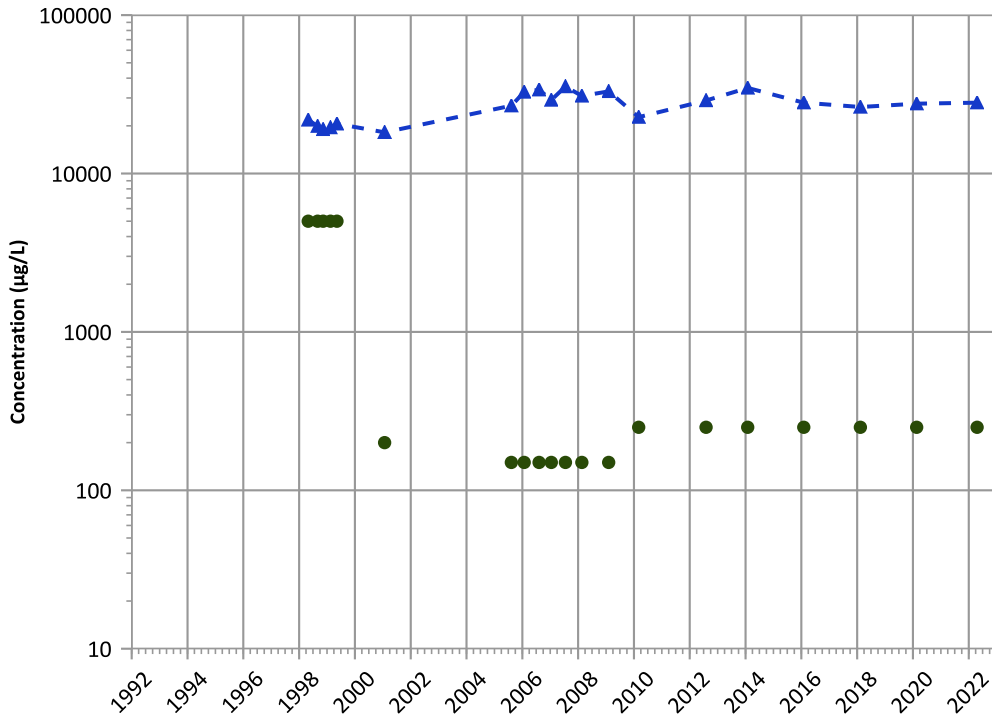


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Sodium Trend



Concentration Trend

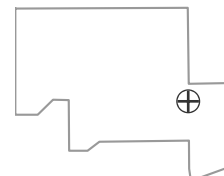
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

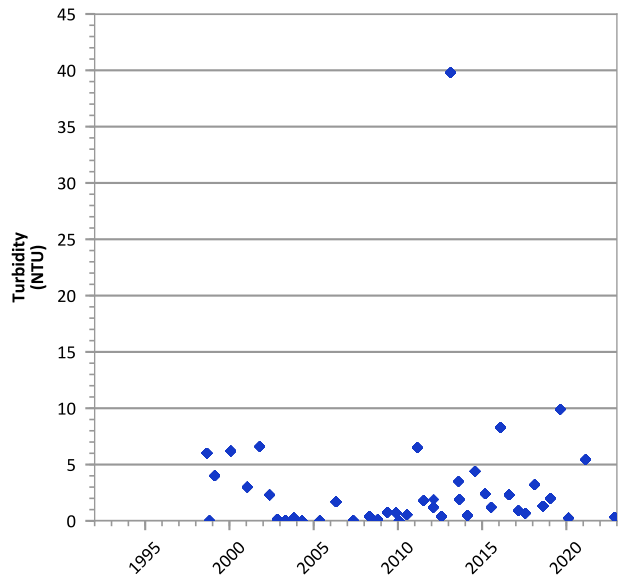
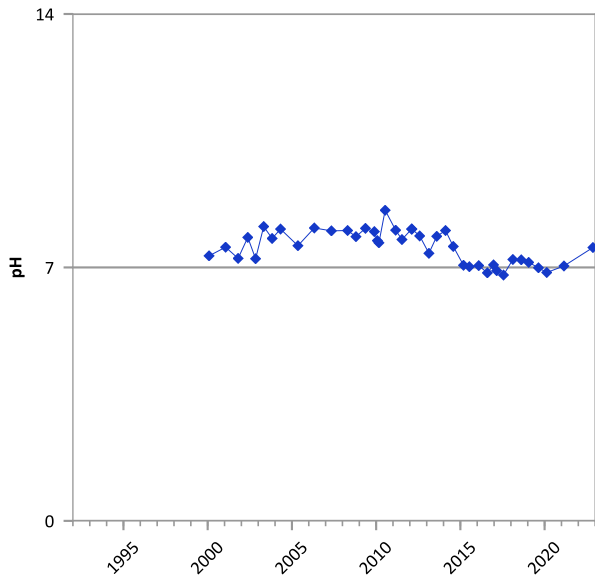
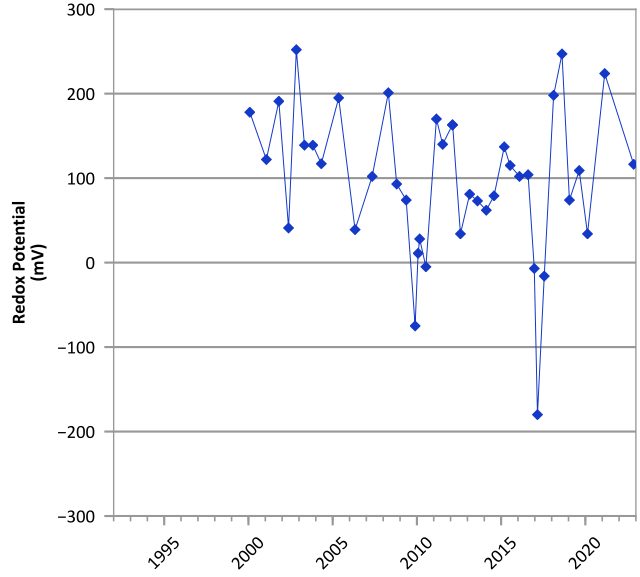
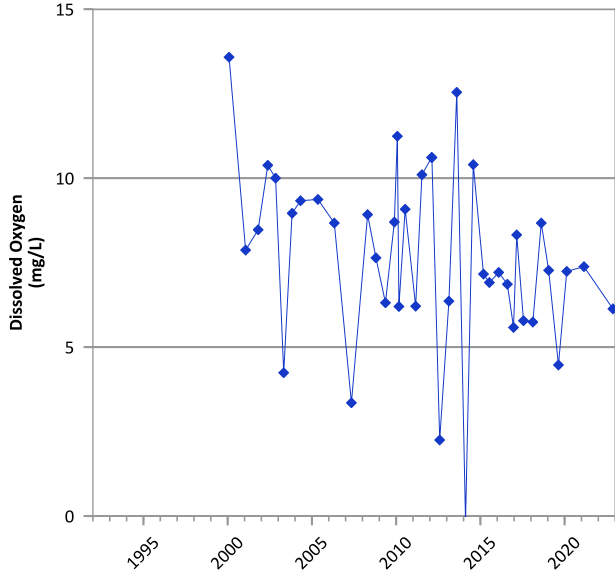
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/30/1998 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

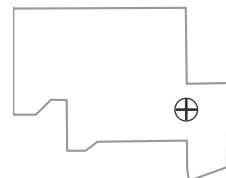


**PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



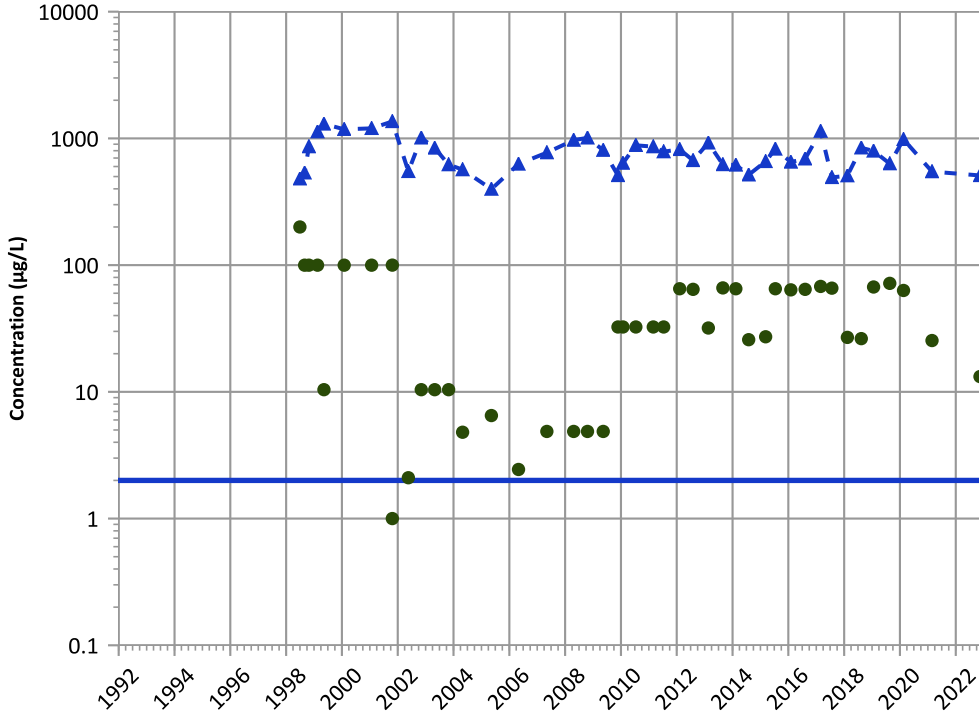
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/30/1998 to 11/14/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

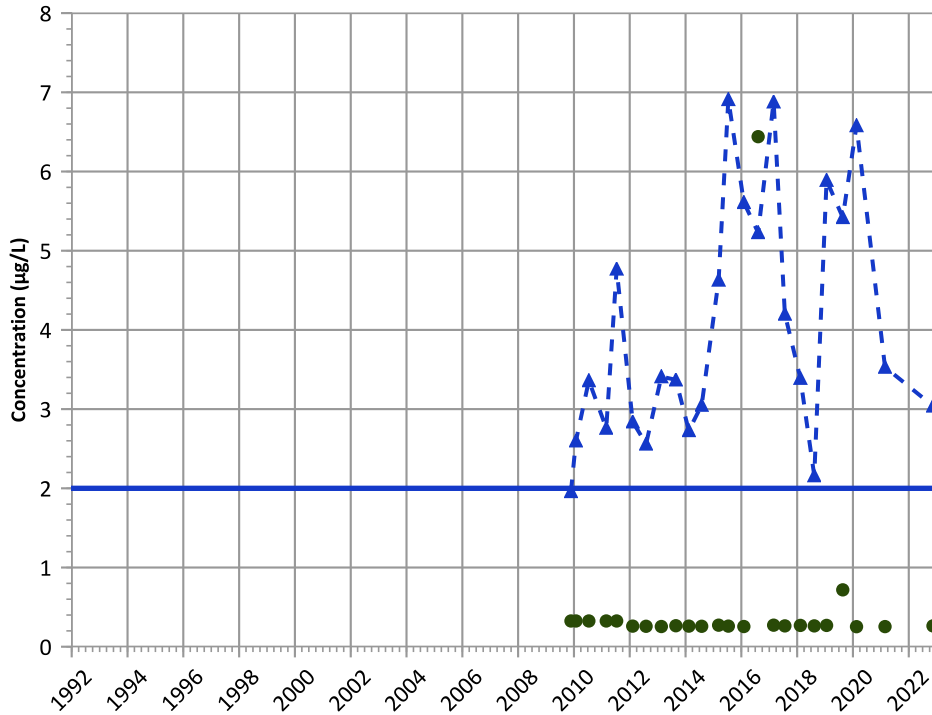


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

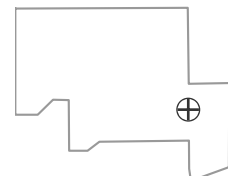
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

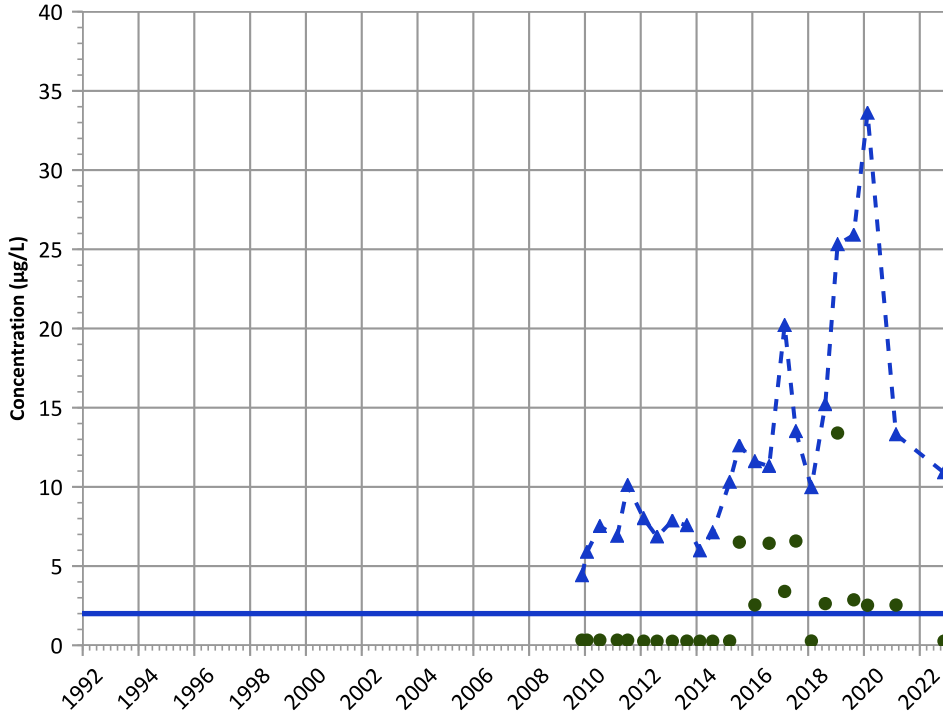
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

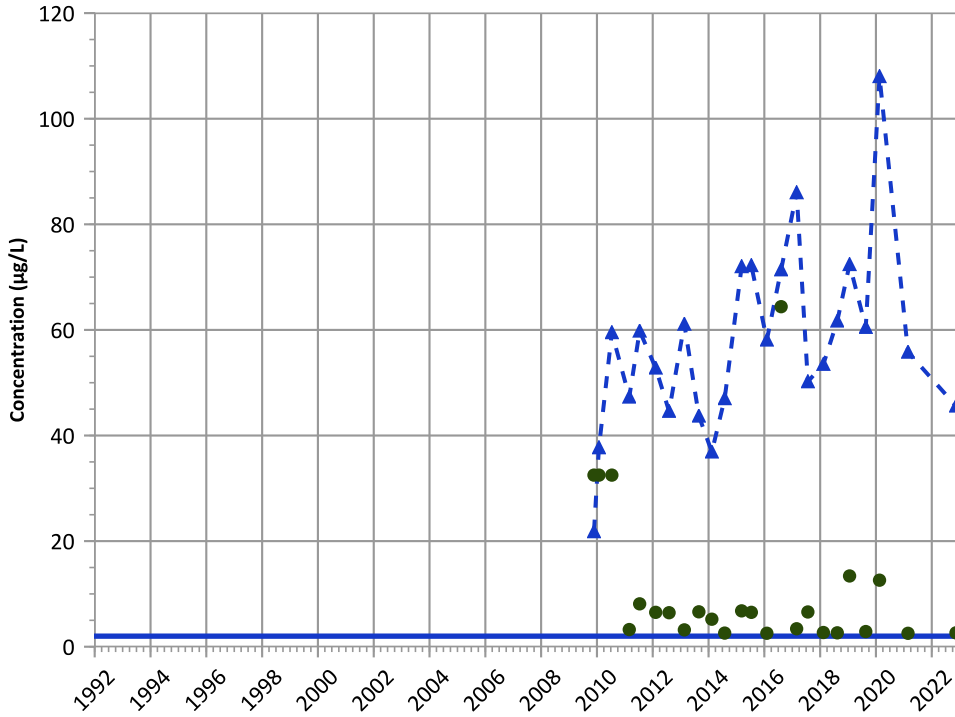
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

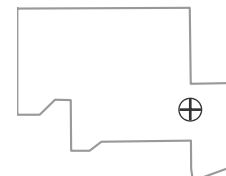
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

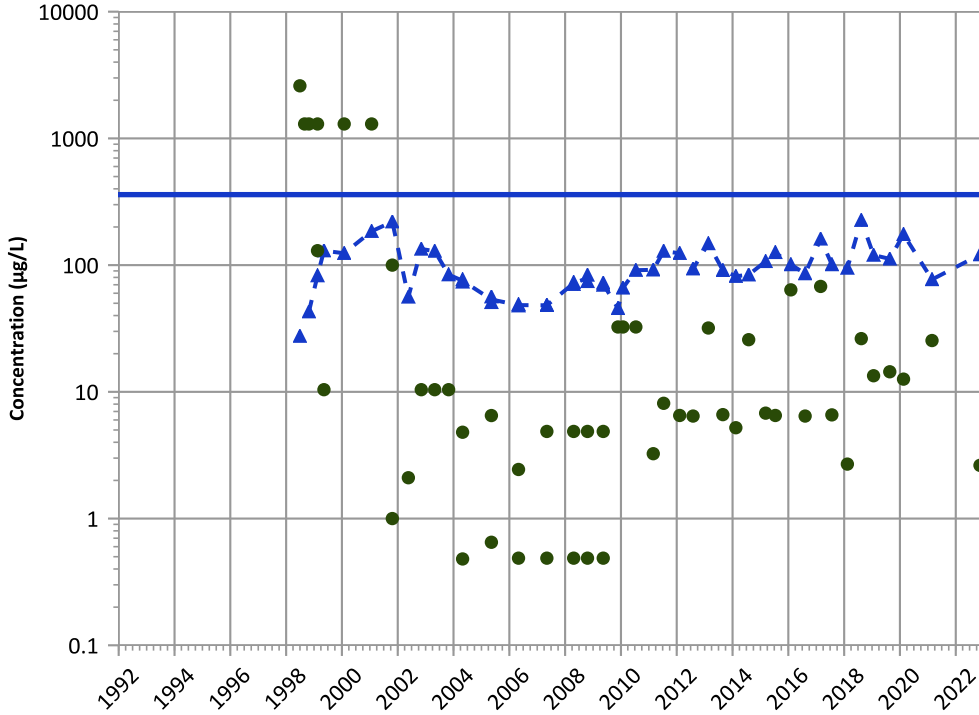
Well Location





PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

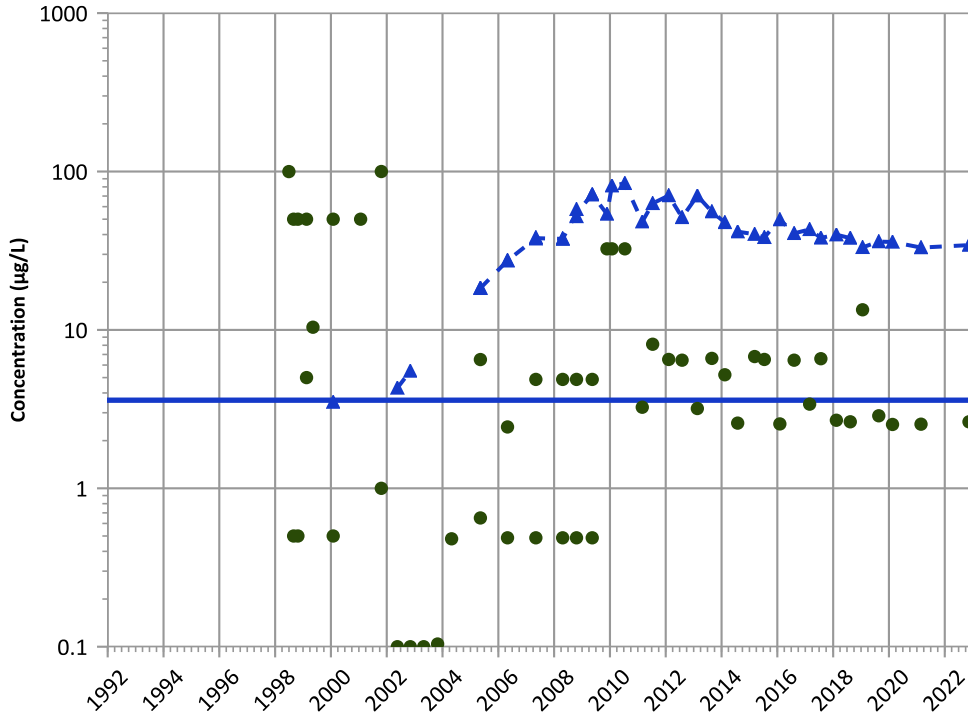


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

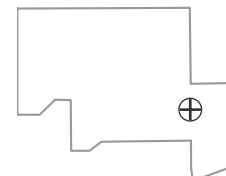
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

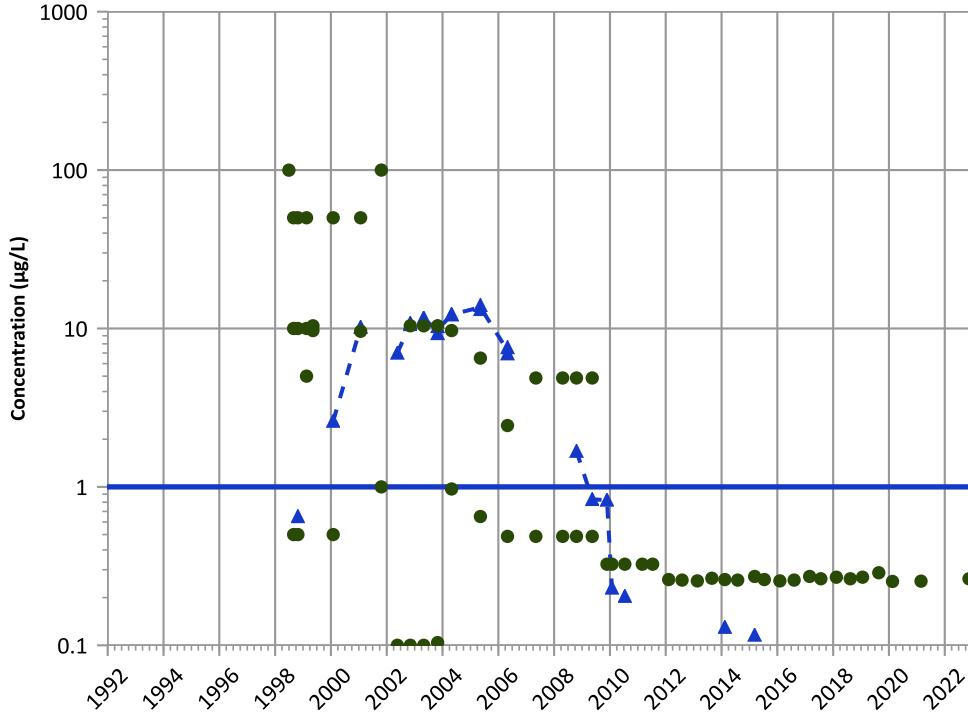
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

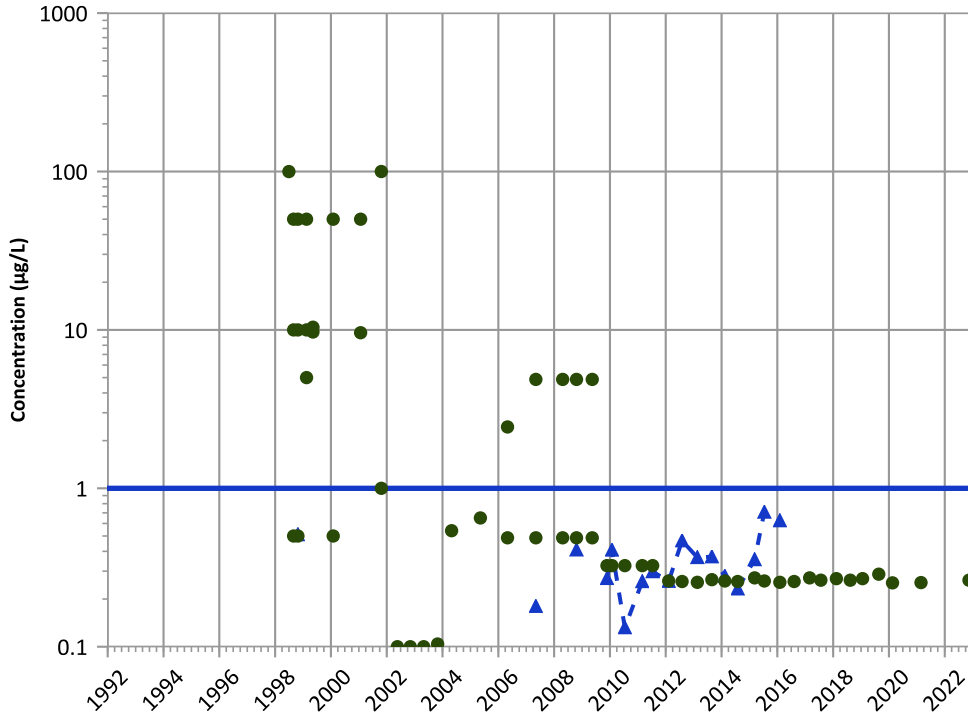


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

2,6-Dinitrotoluene Trend



Concentration Trend

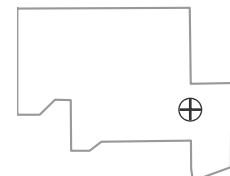
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

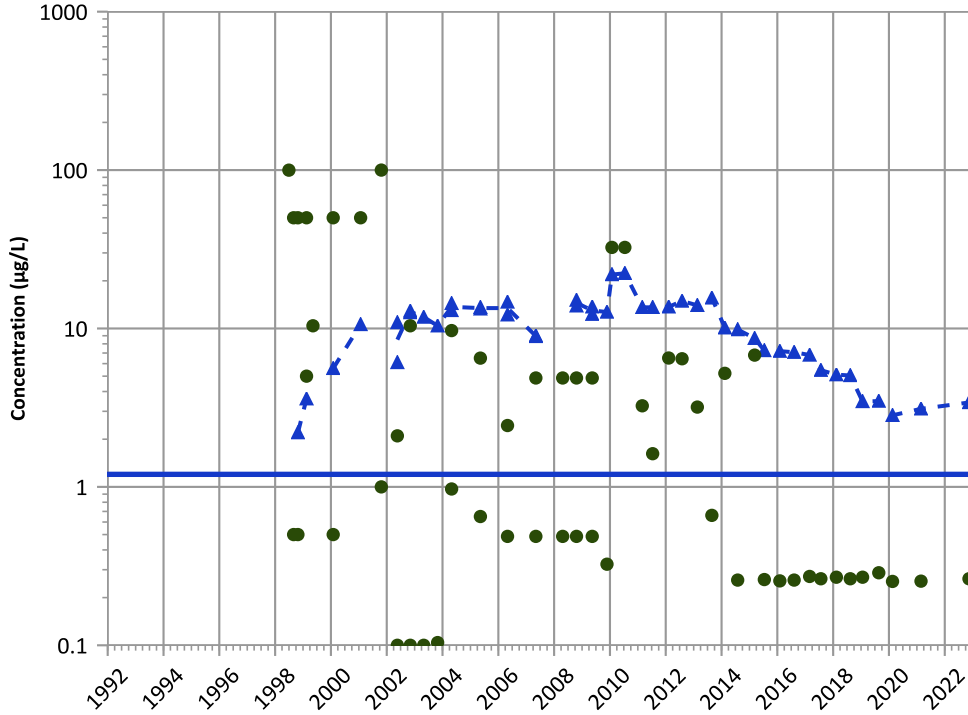
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

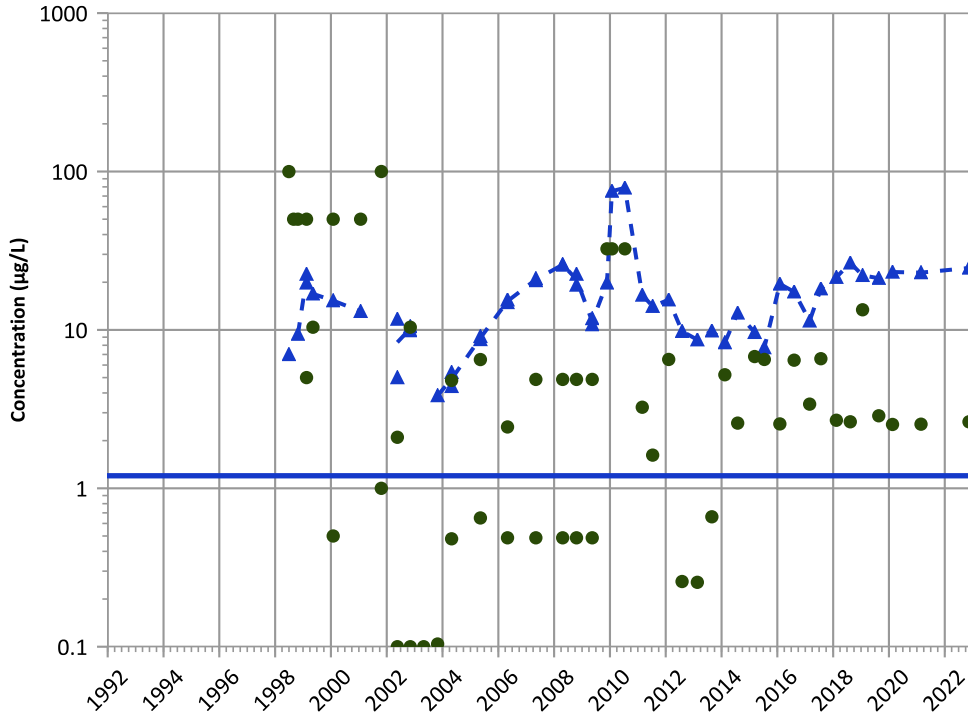


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

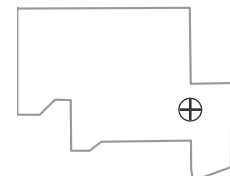
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

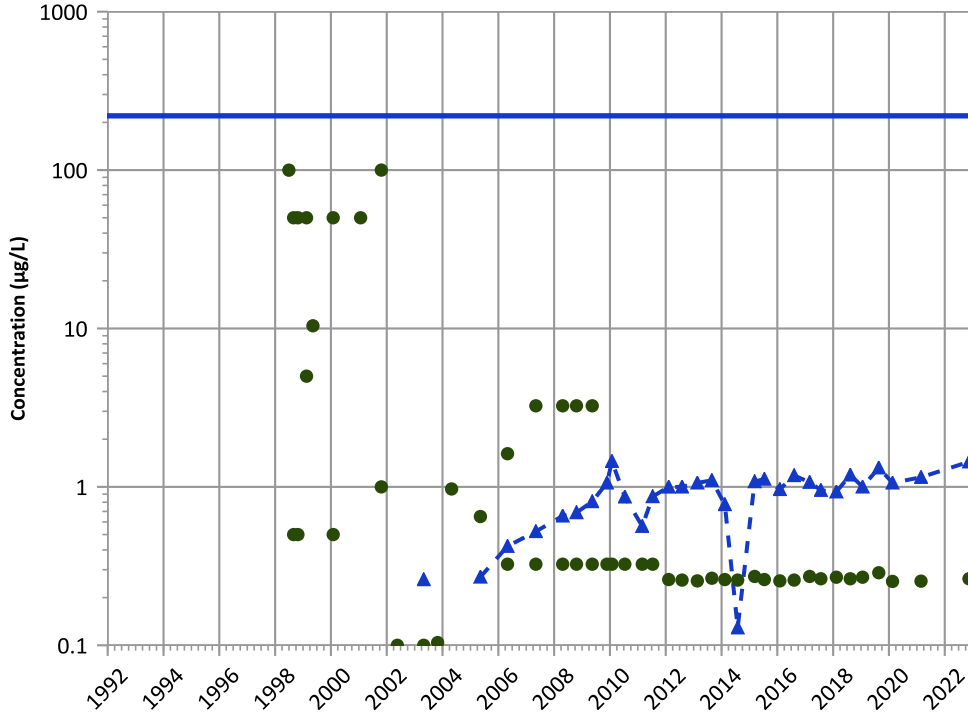
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

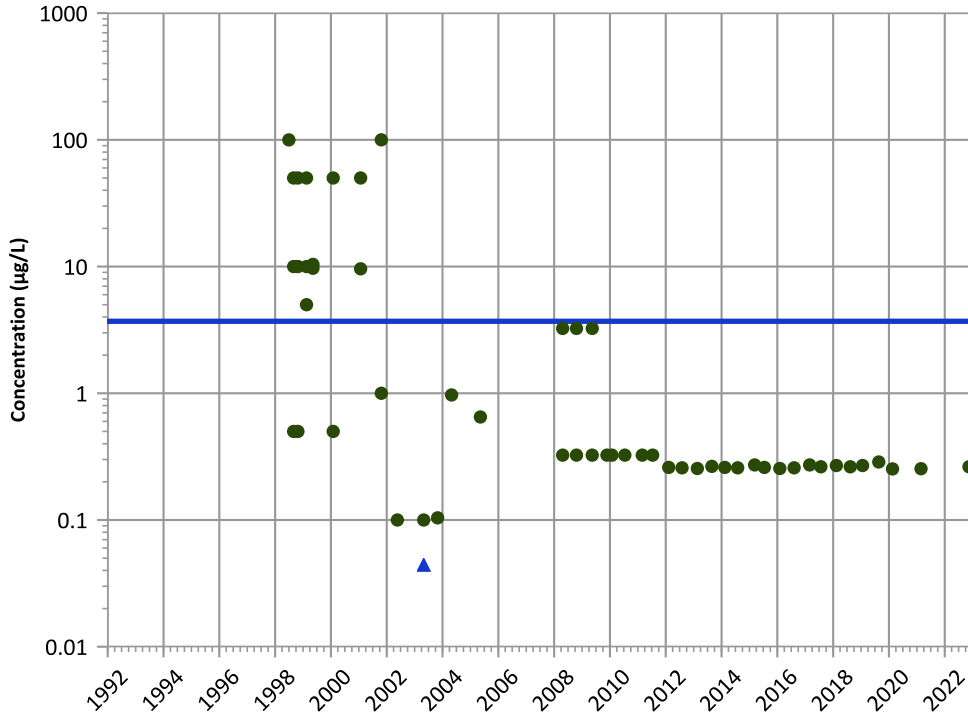
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

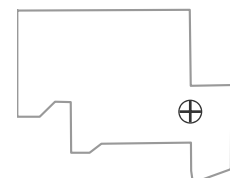
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

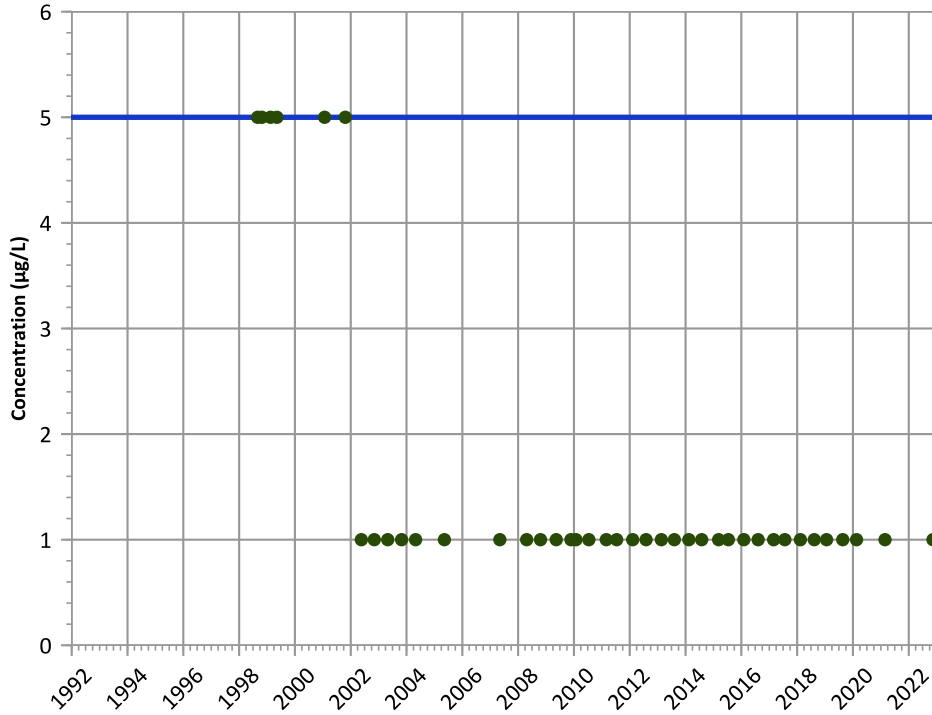
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

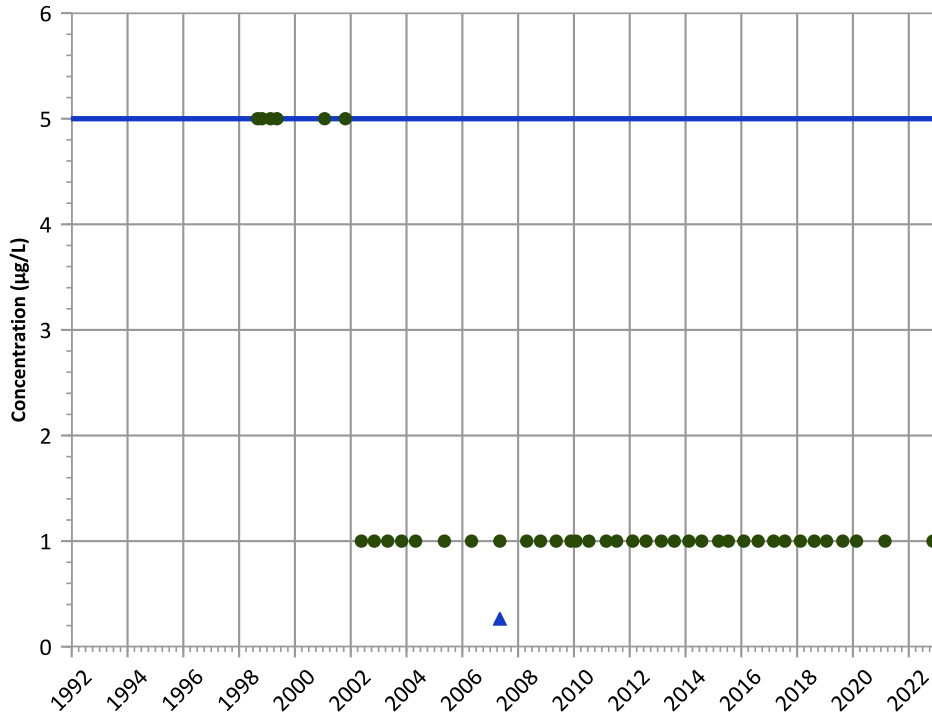
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

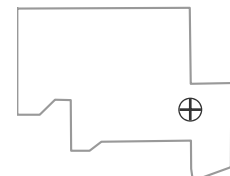
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

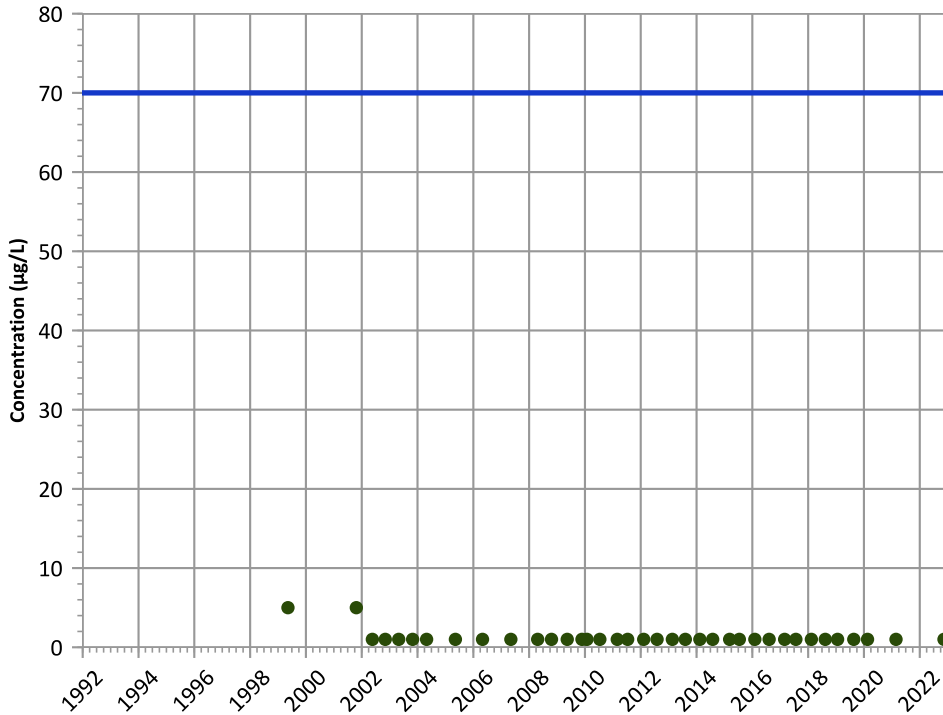
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

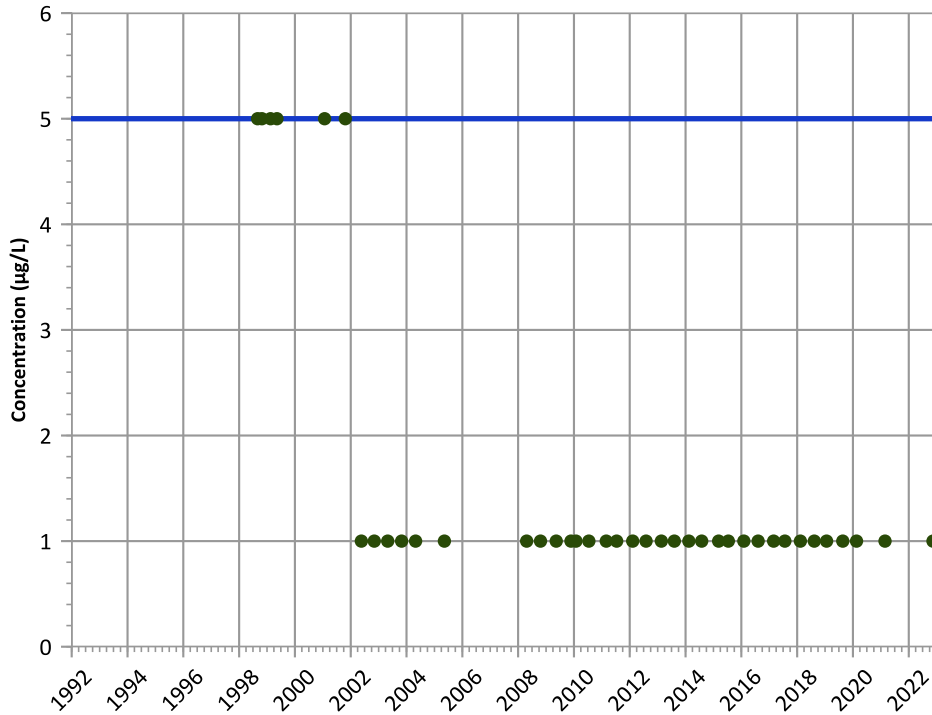
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

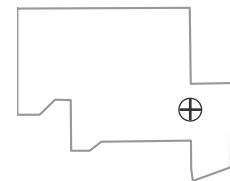
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

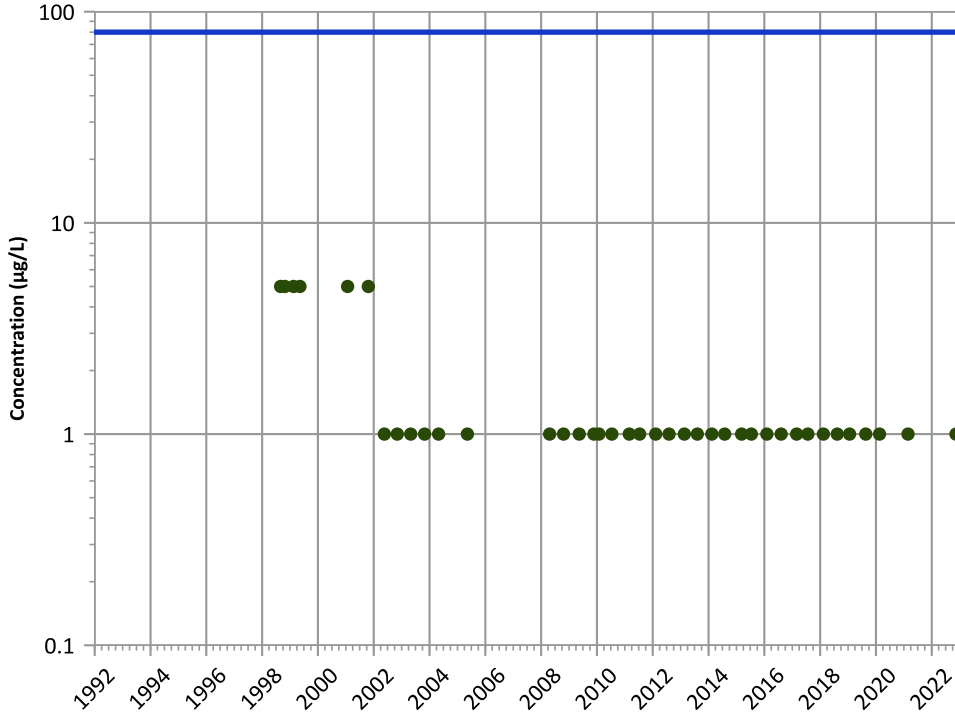


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

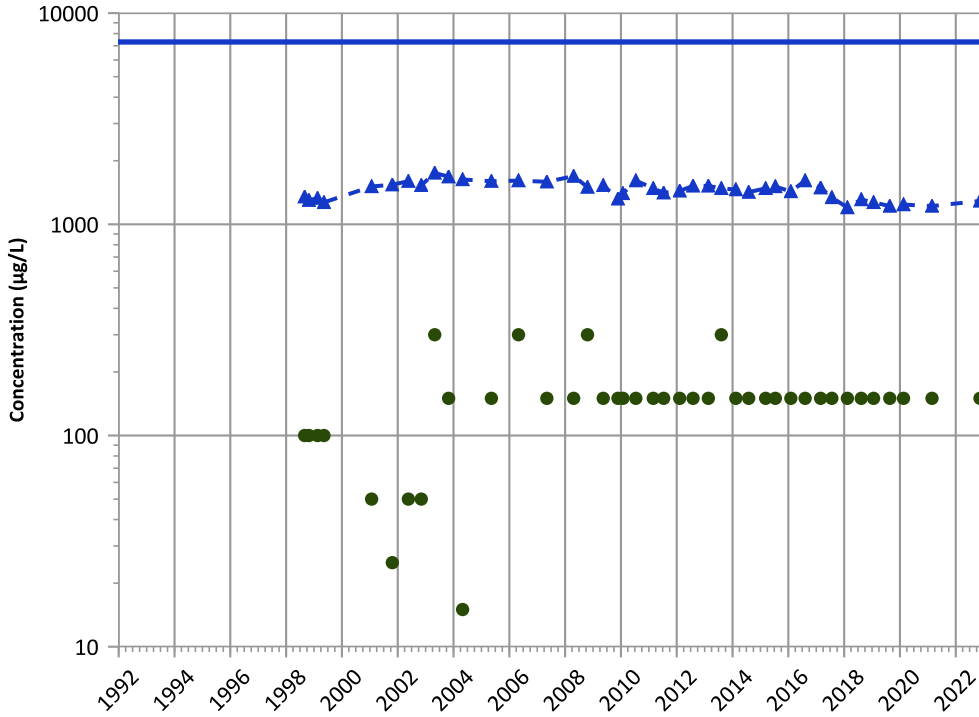
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

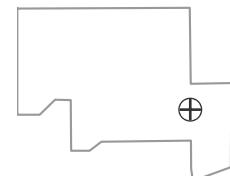
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

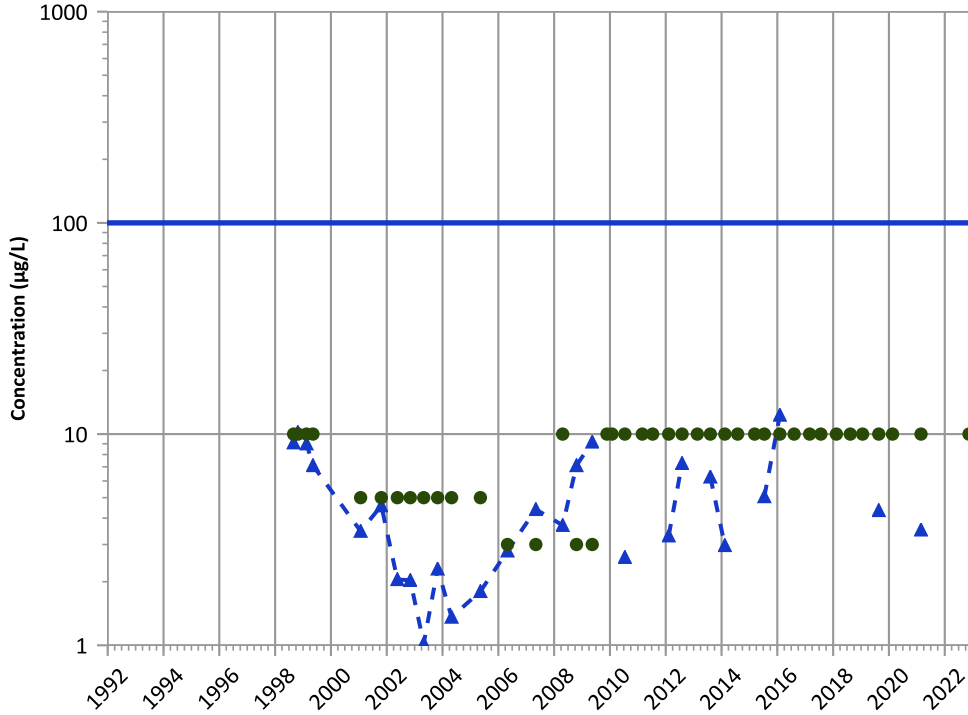
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

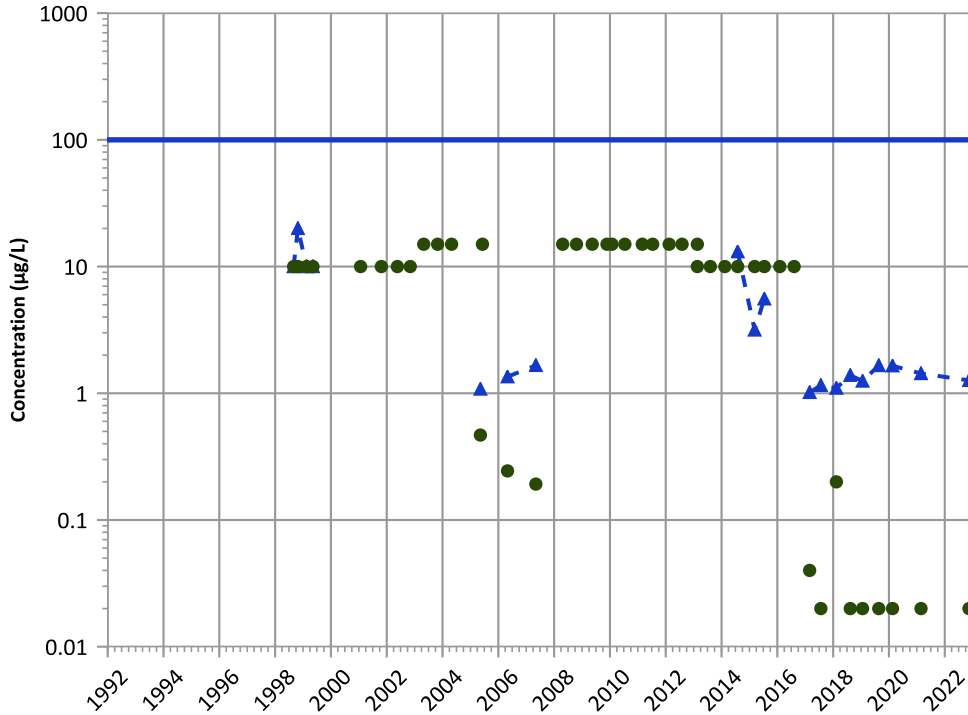


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Chromium, Hexavalent Trend



Concentration Trend

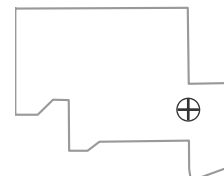
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

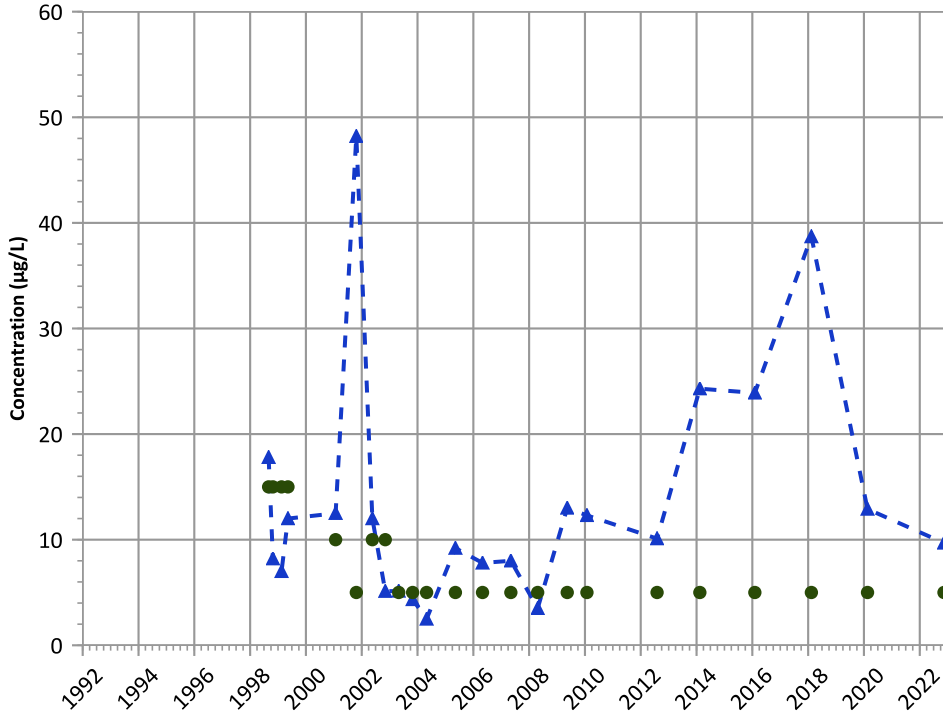
Well Location





PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

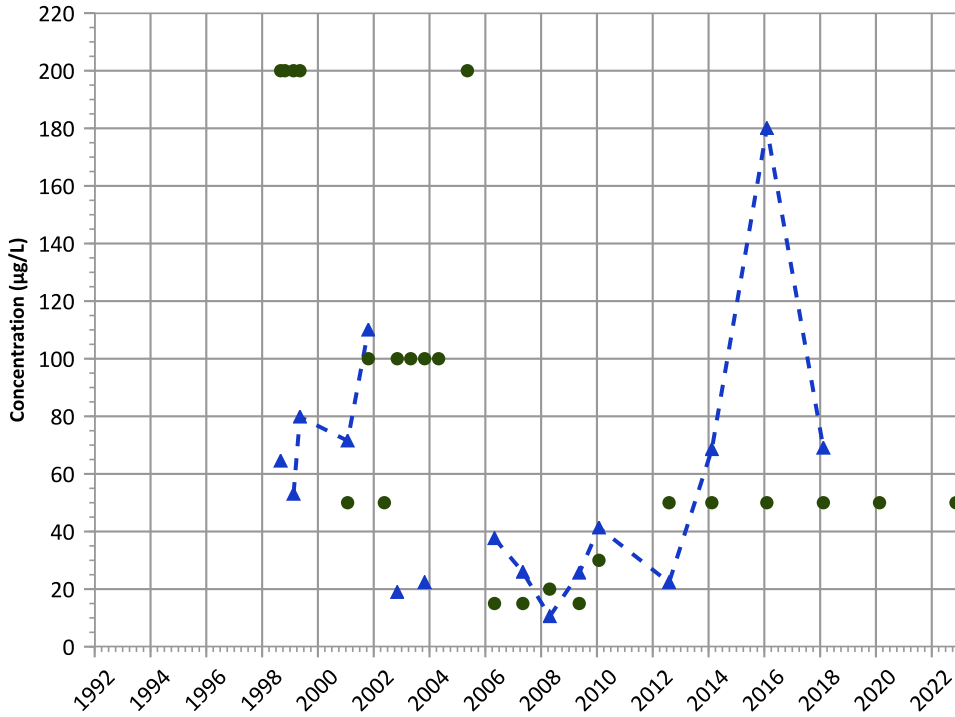


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Aluminum Trend



Concentration Trend

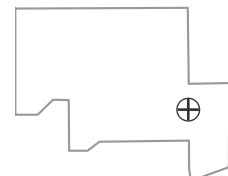
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

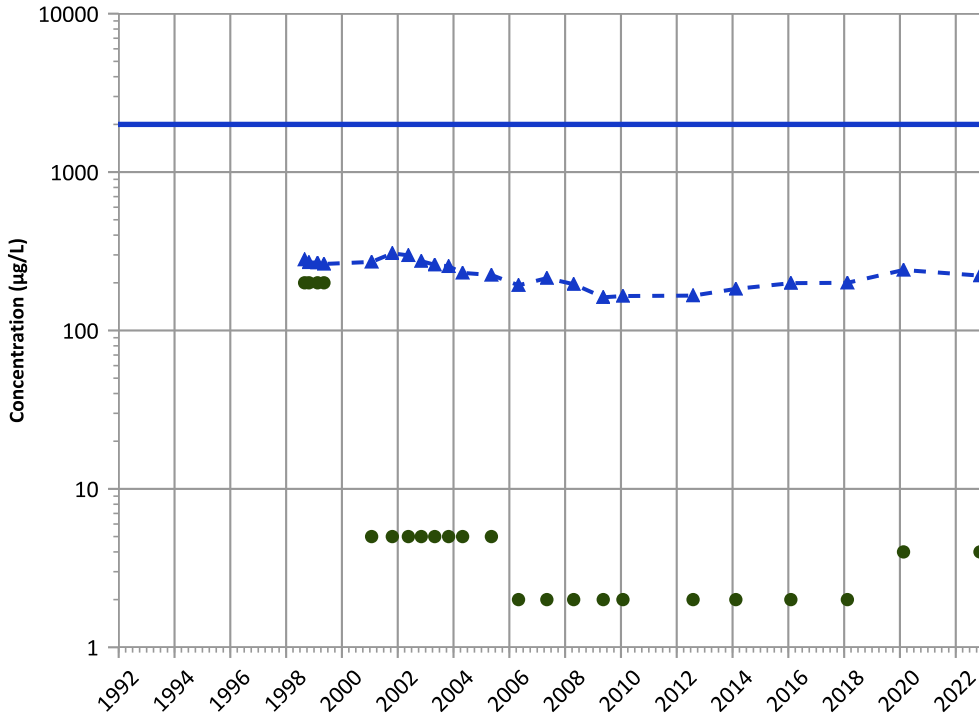
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

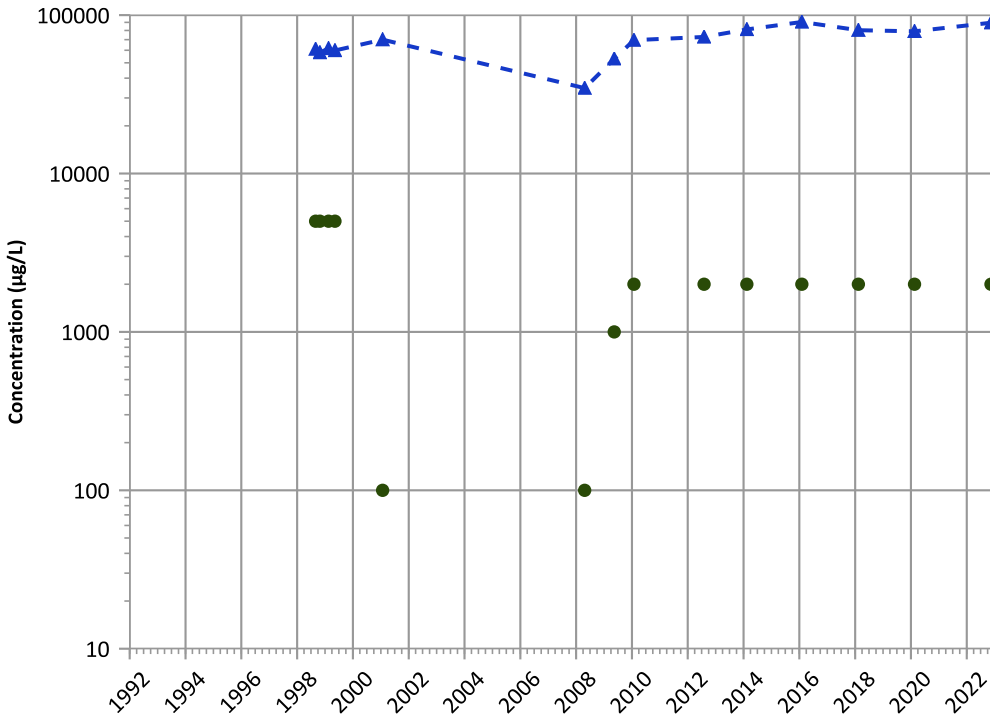
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

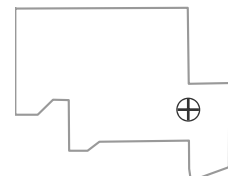
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

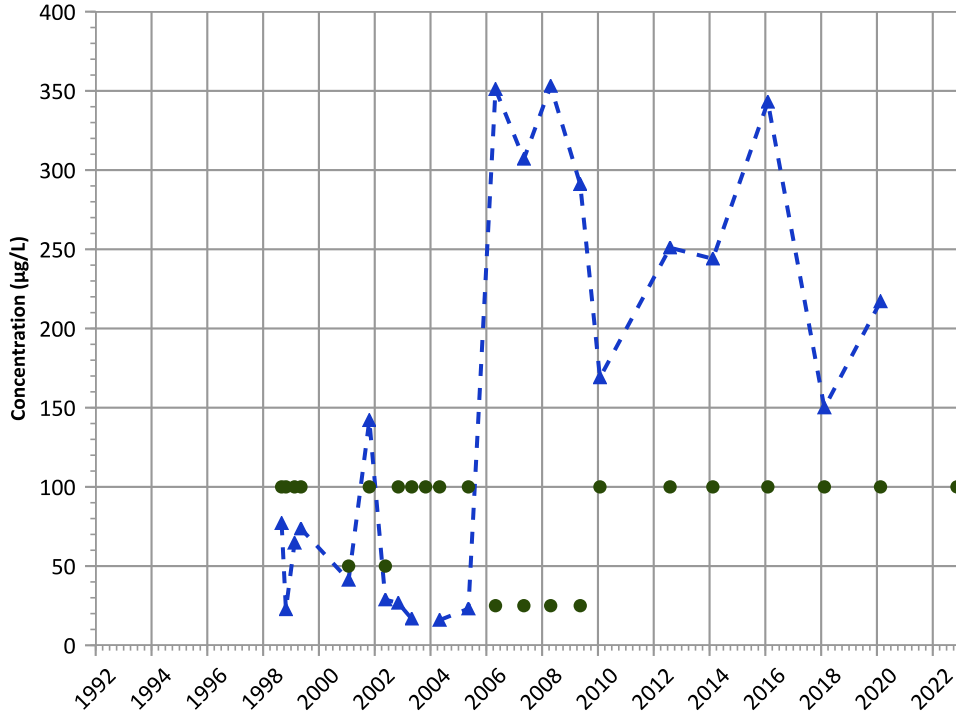
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

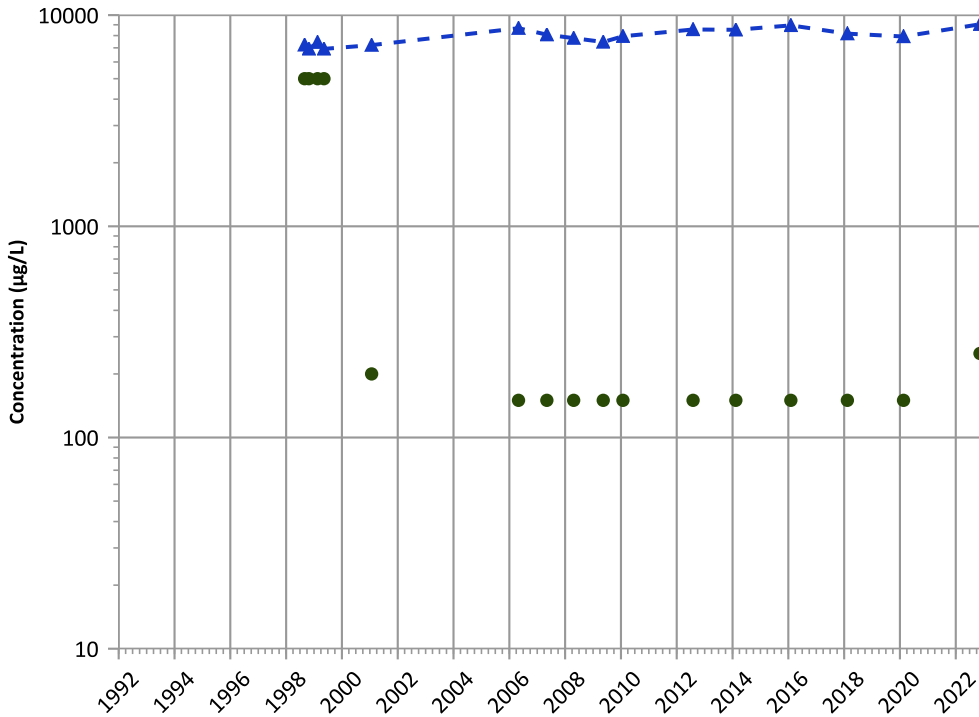


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

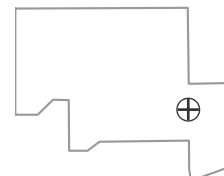
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

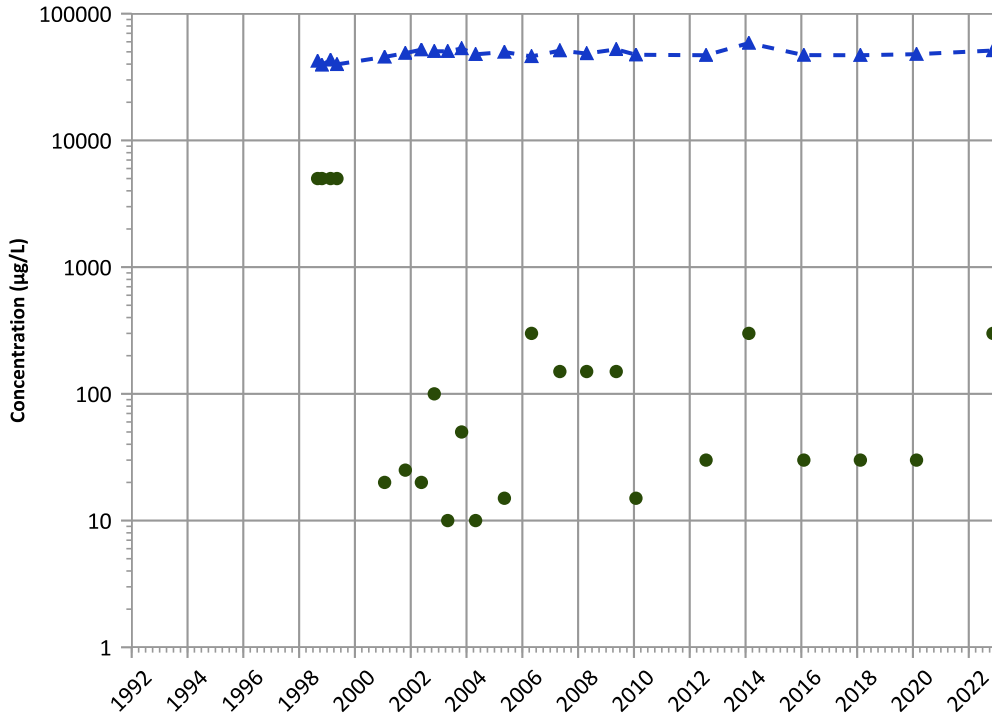
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1039A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

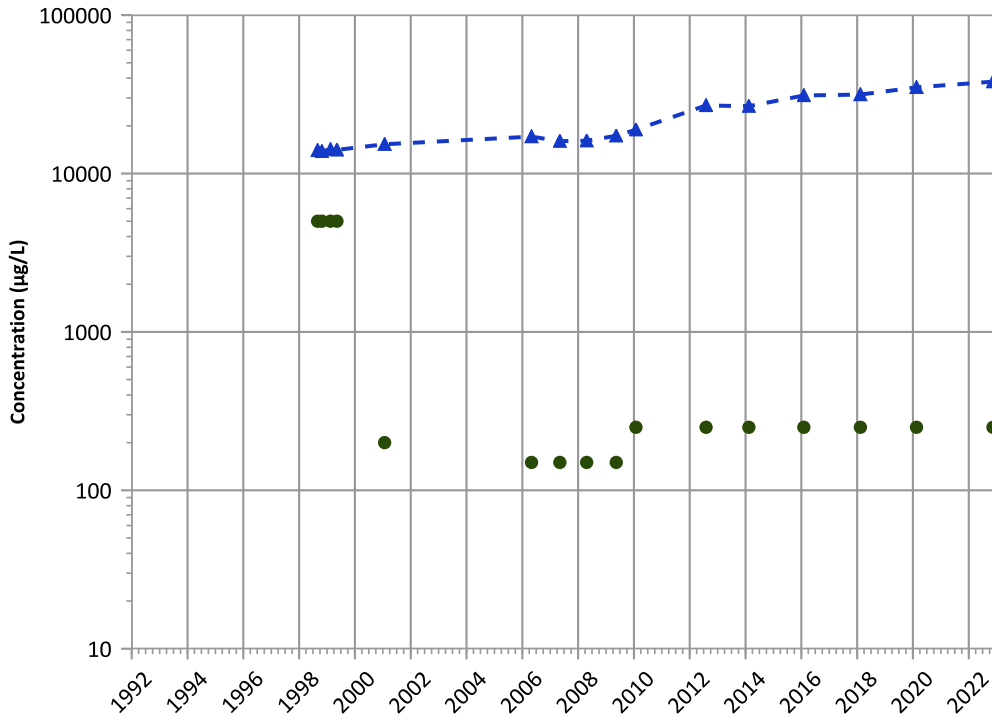
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

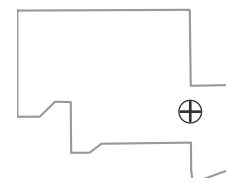
2020 - 2022 Data:

Increasing

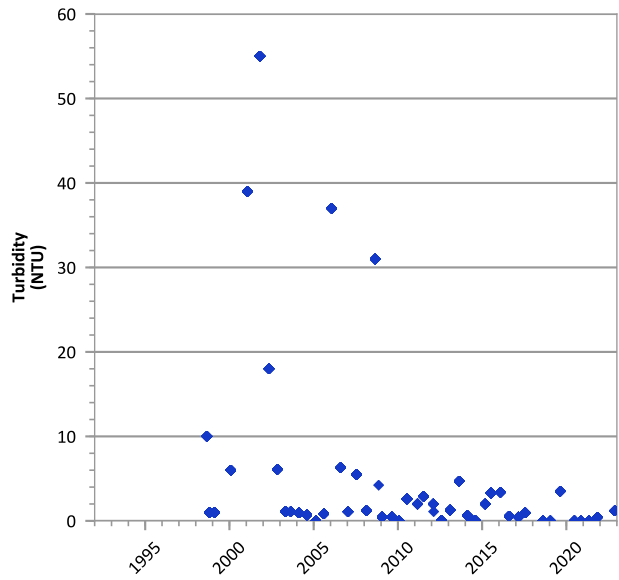
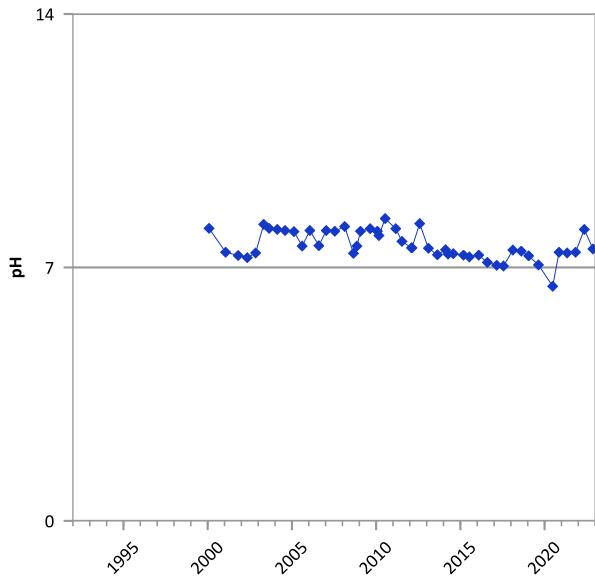
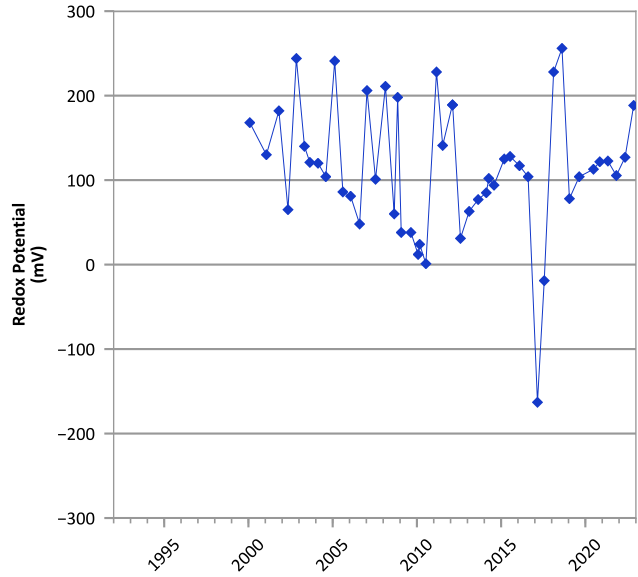
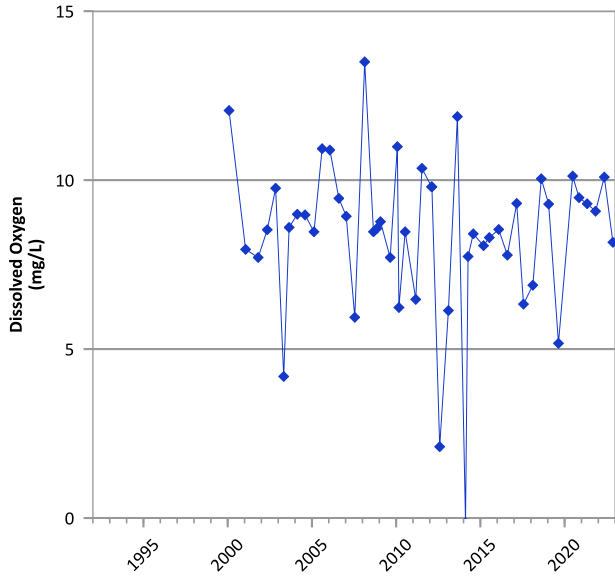
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

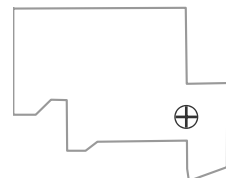


**PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



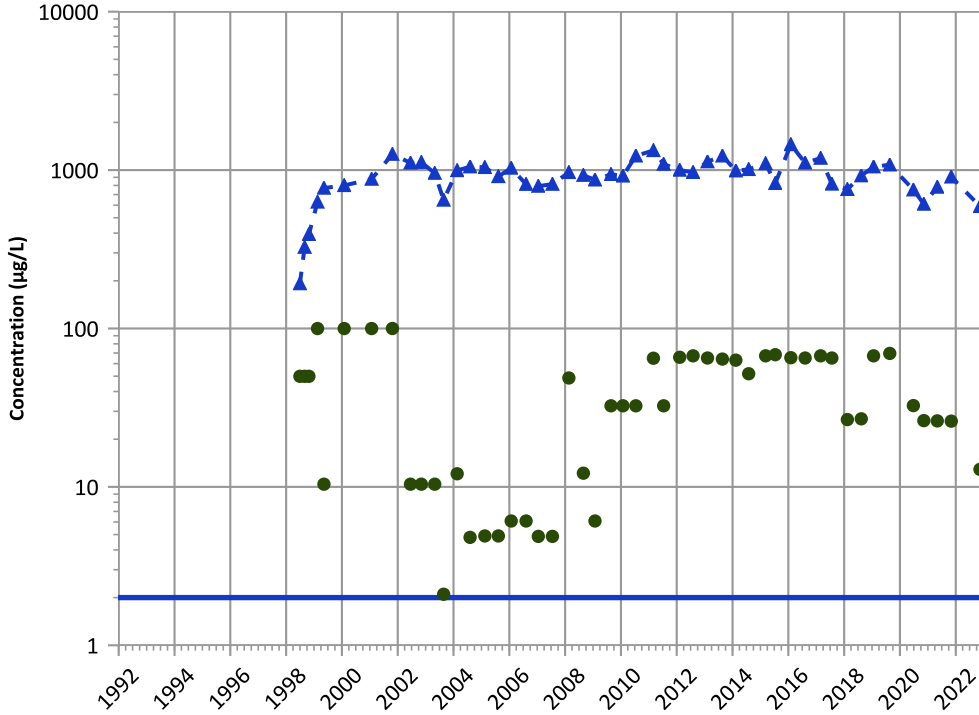
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/30/1998 to 11/14/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

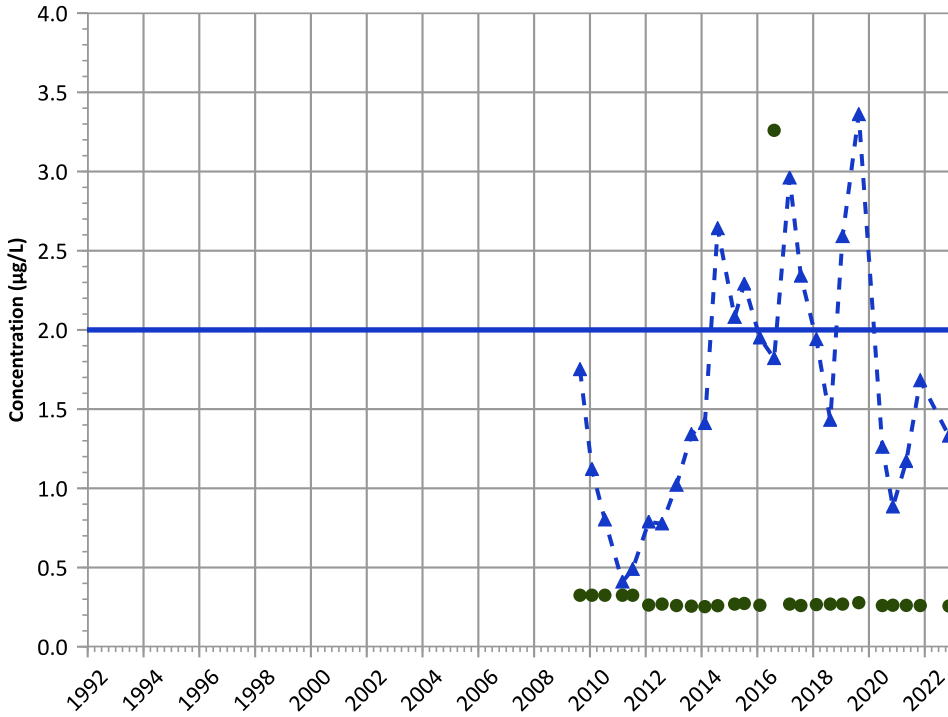
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

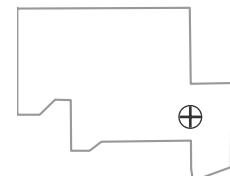
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

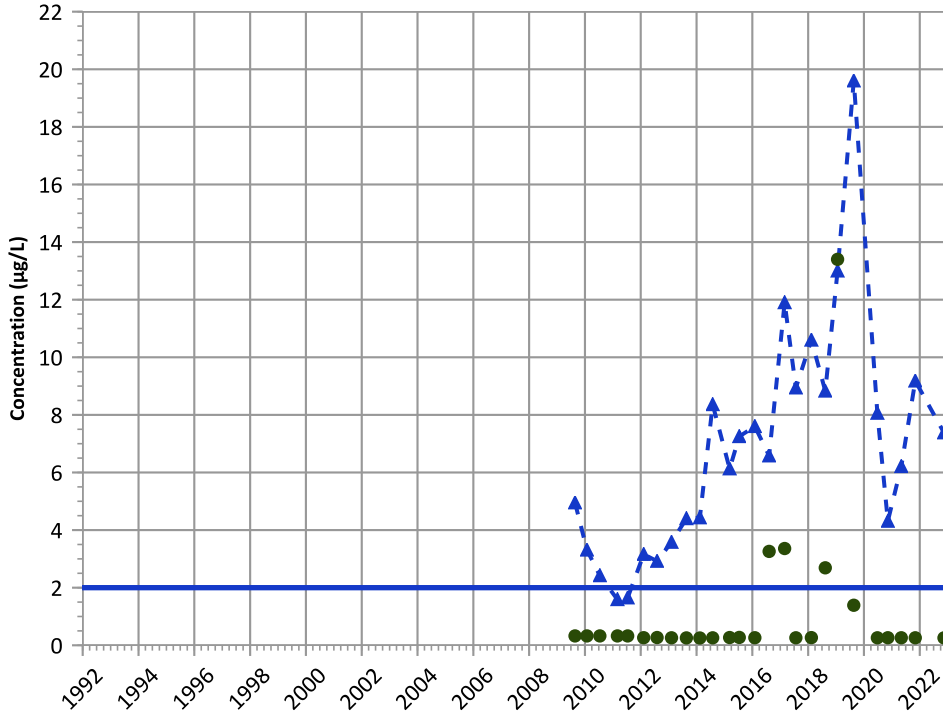


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

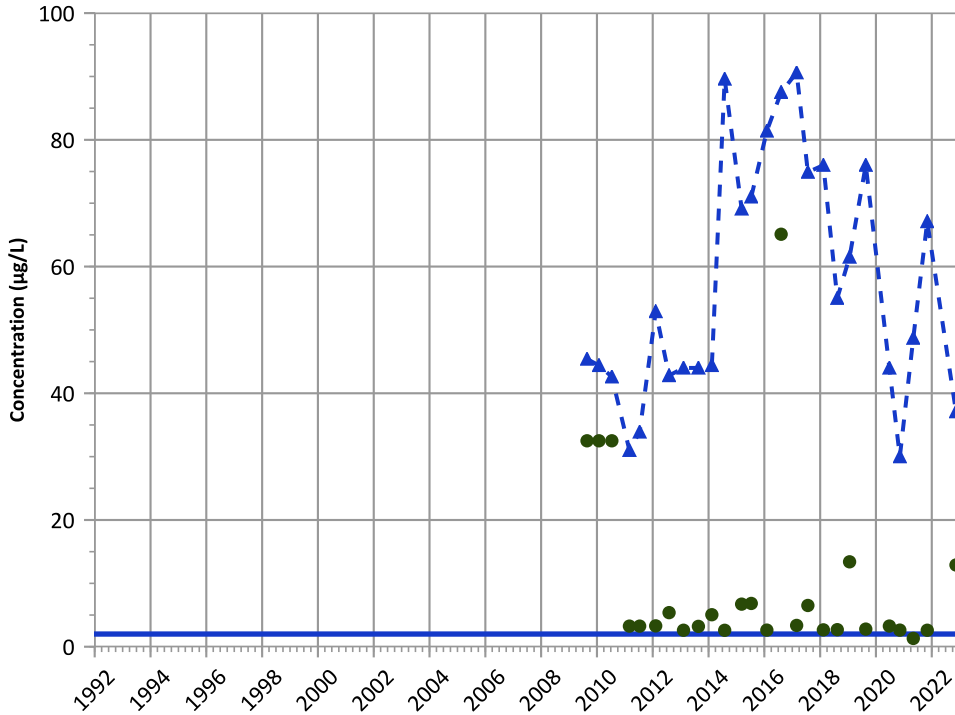
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

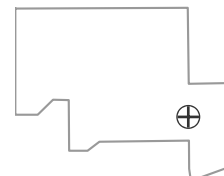
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

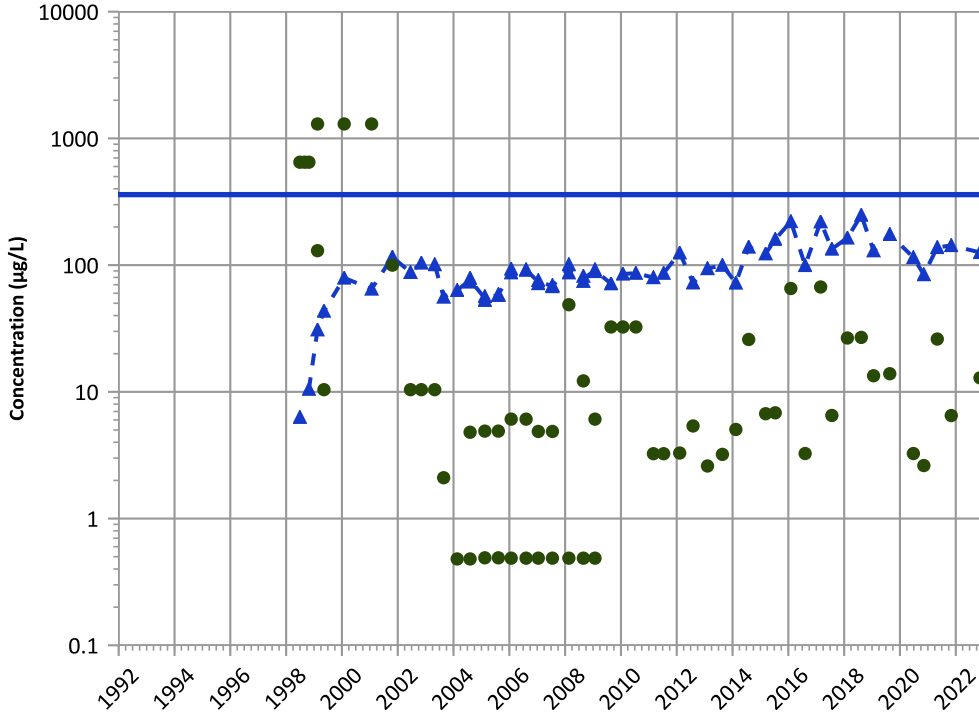
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

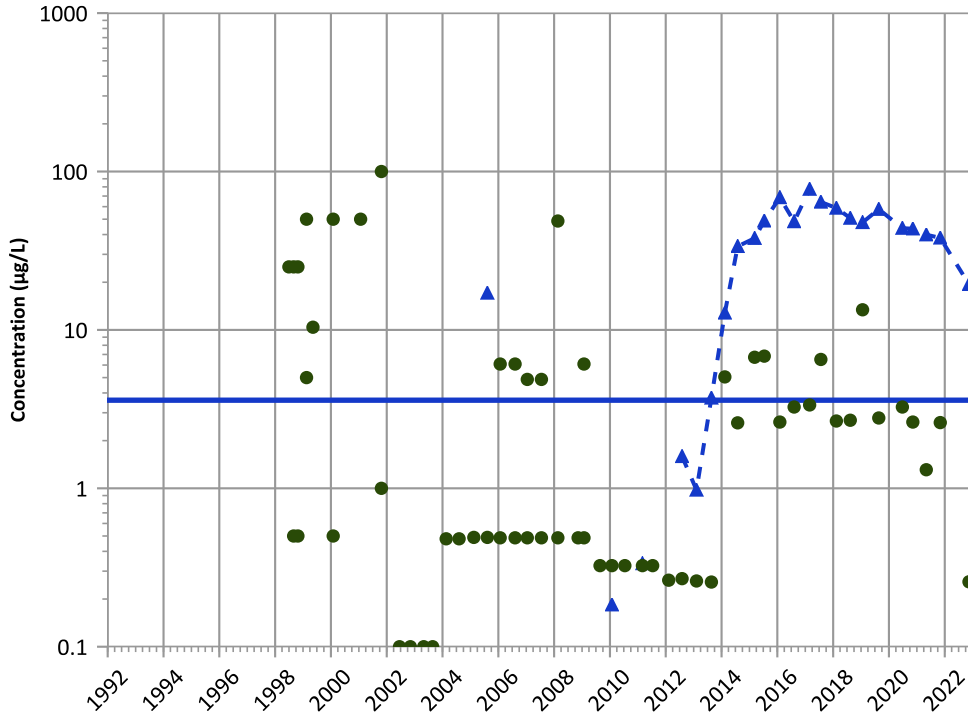


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

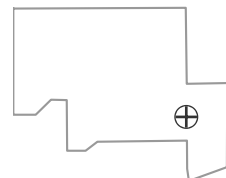
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

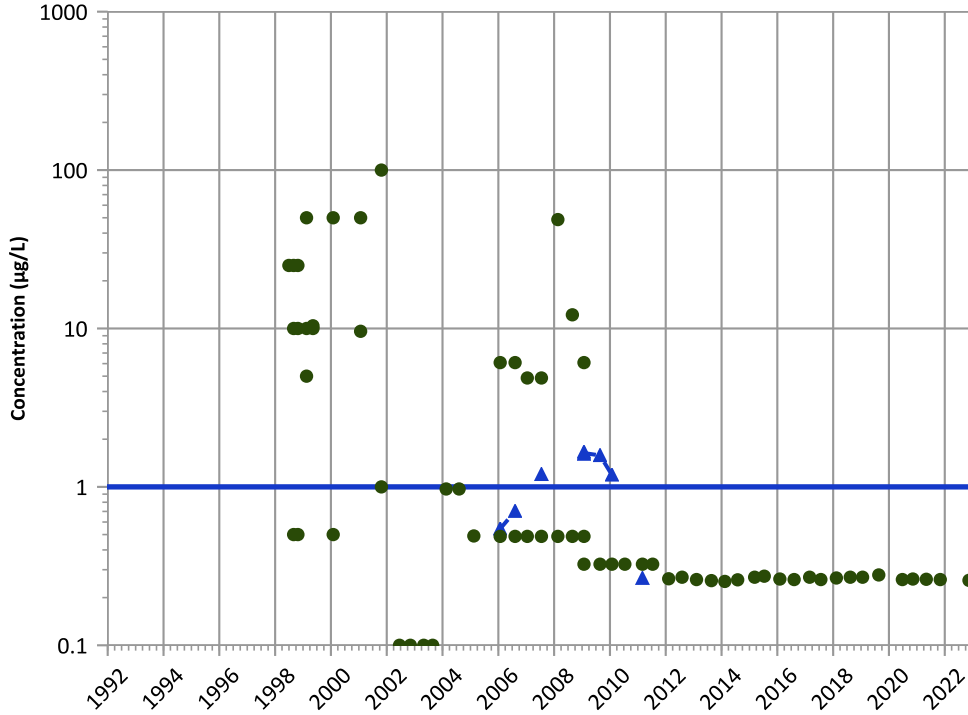
Well Location





PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

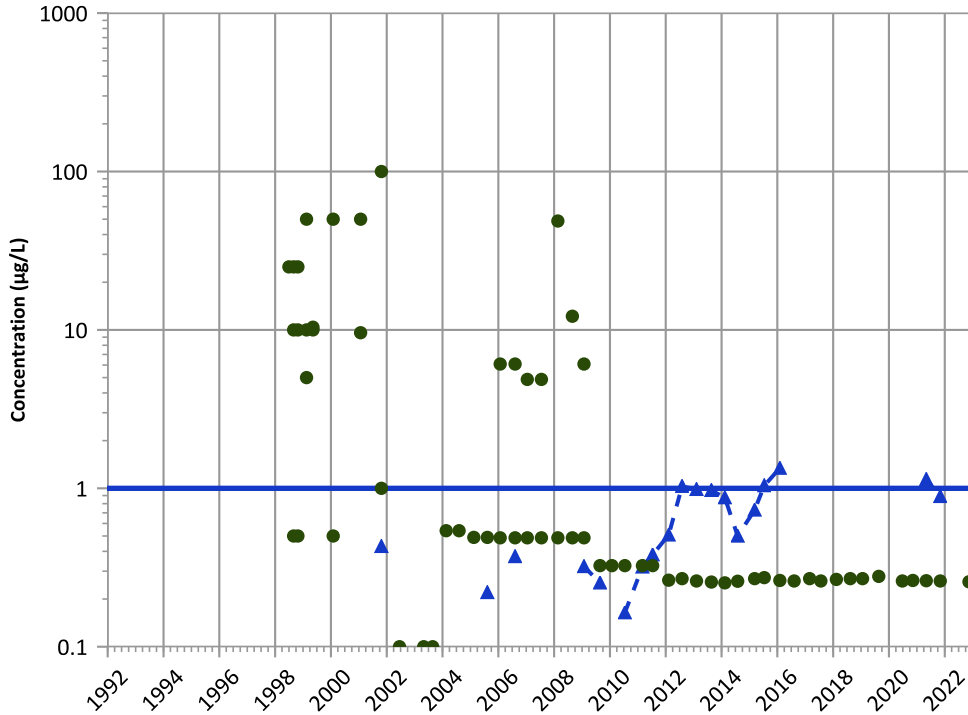


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

2,6-Dinitrotoluene Trend



Concentration Trend

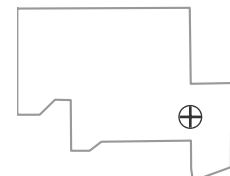
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

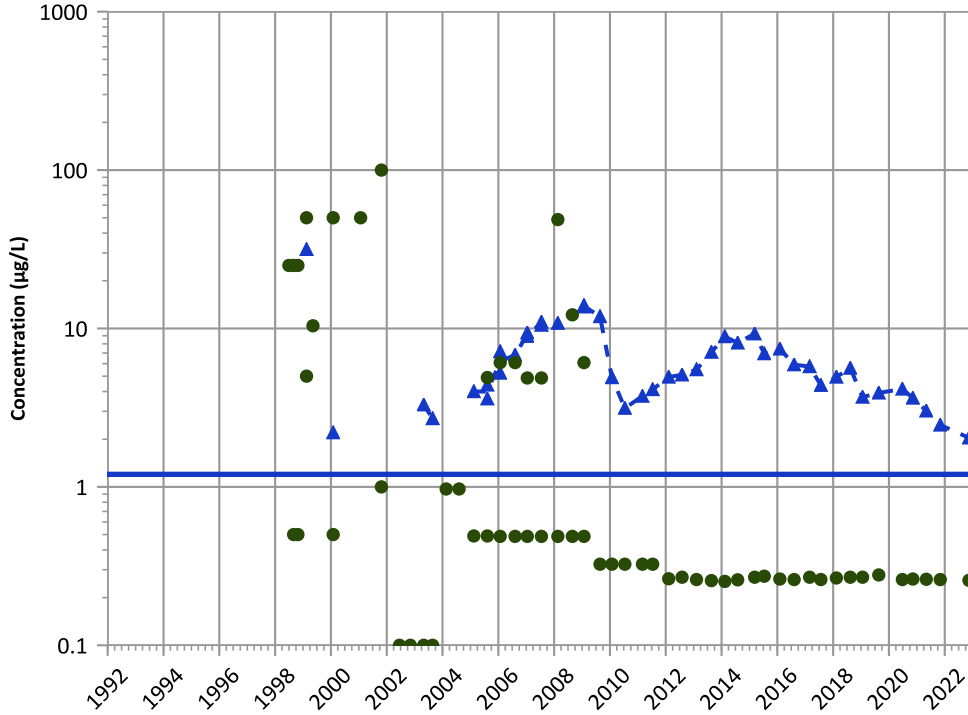
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

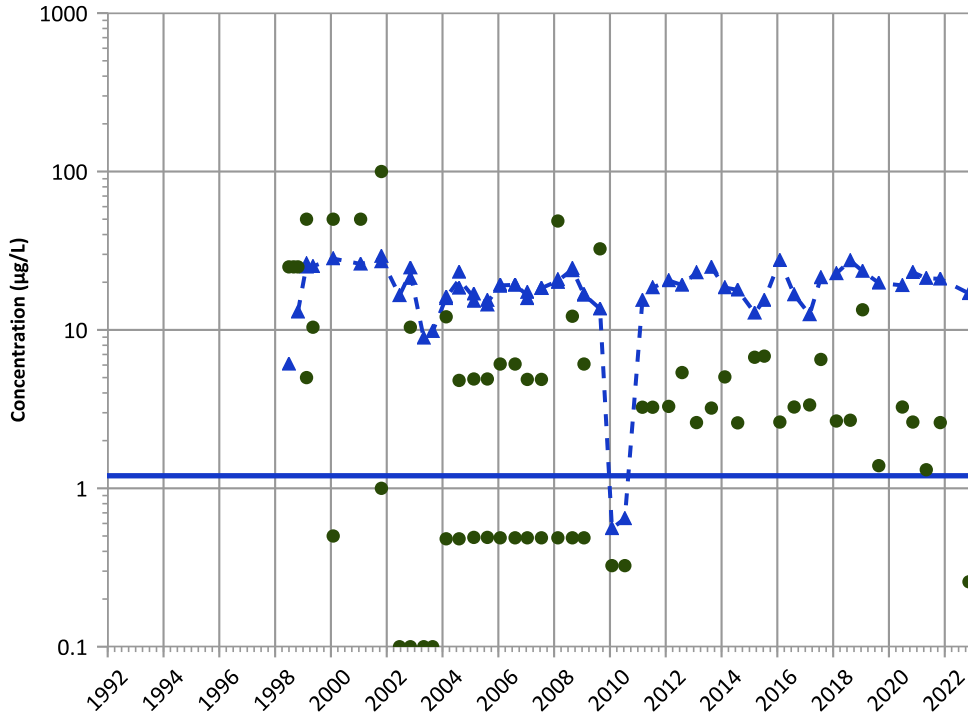
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

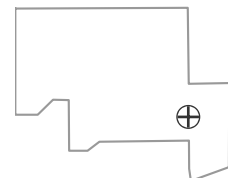
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

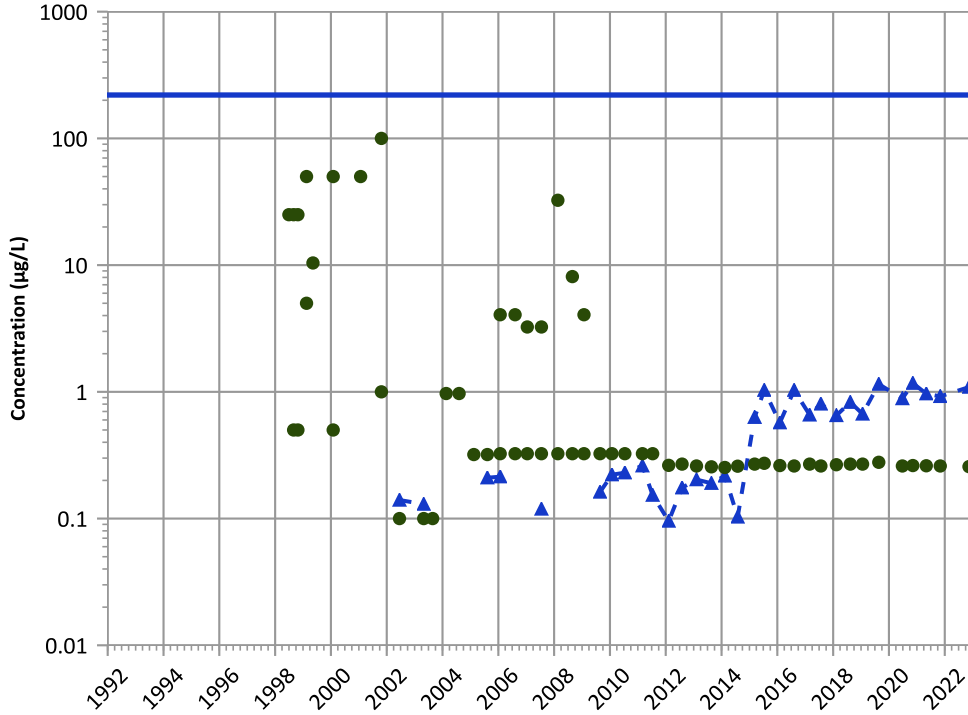
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

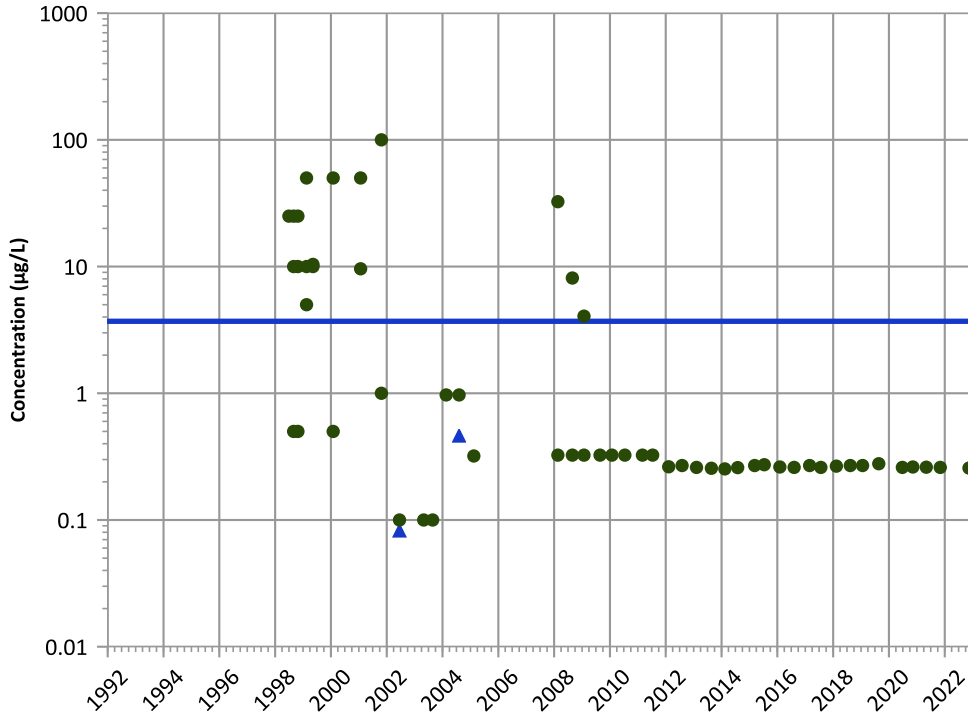
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

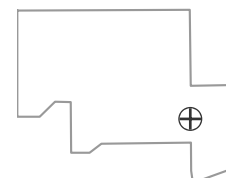
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

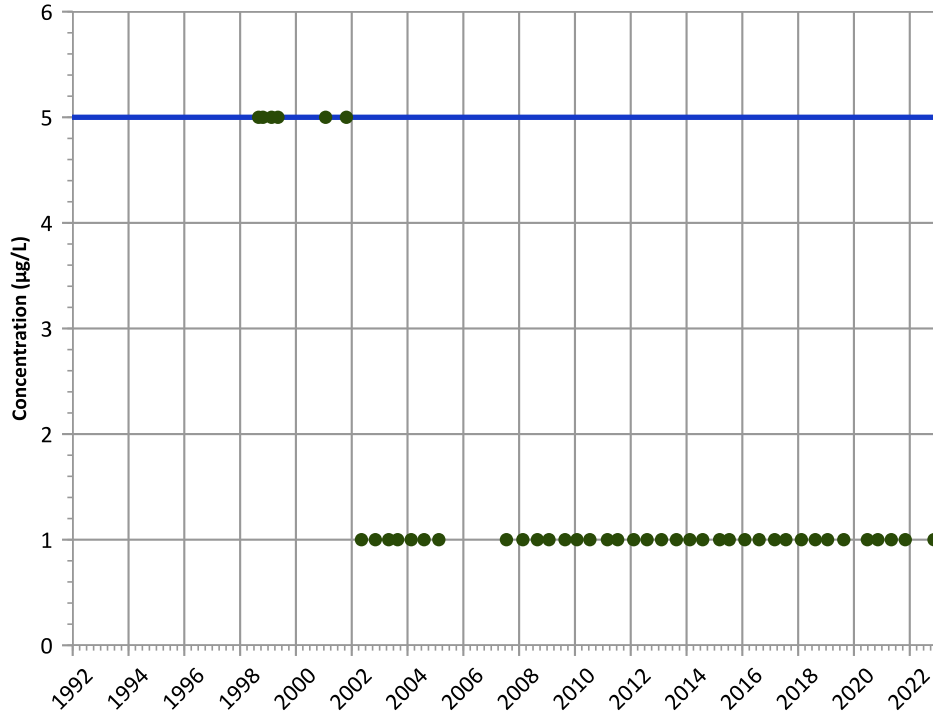
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

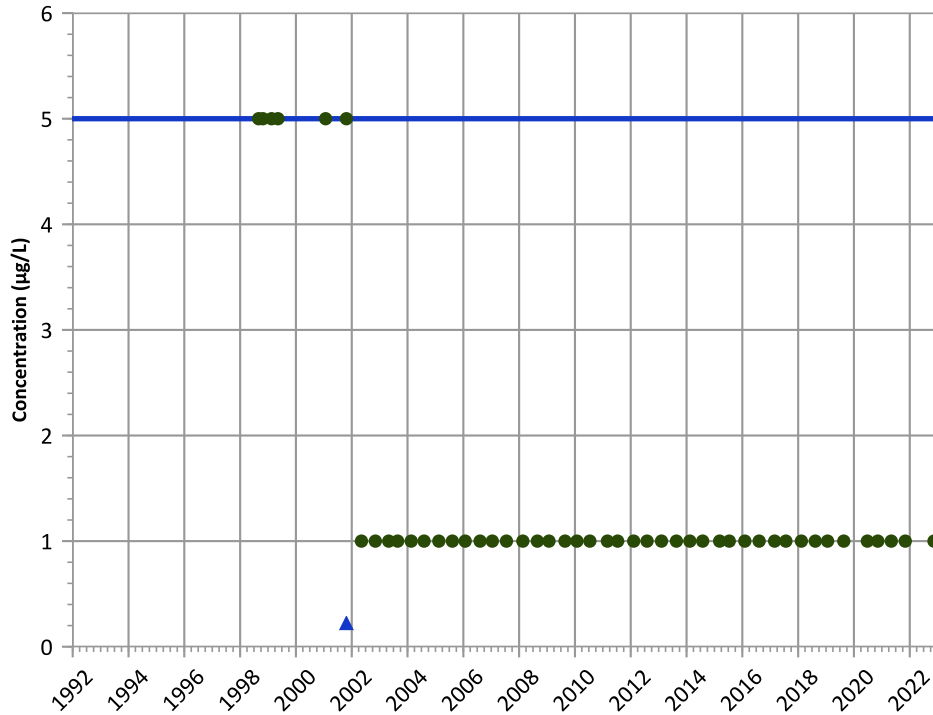
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

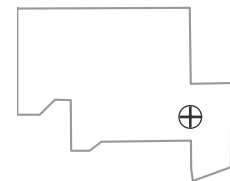
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

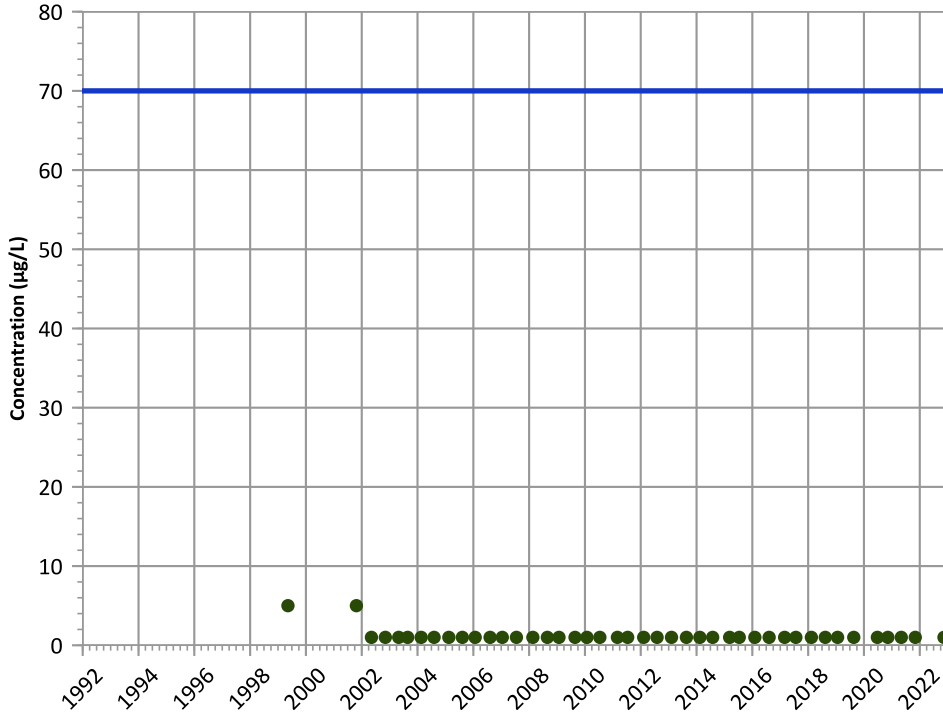
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

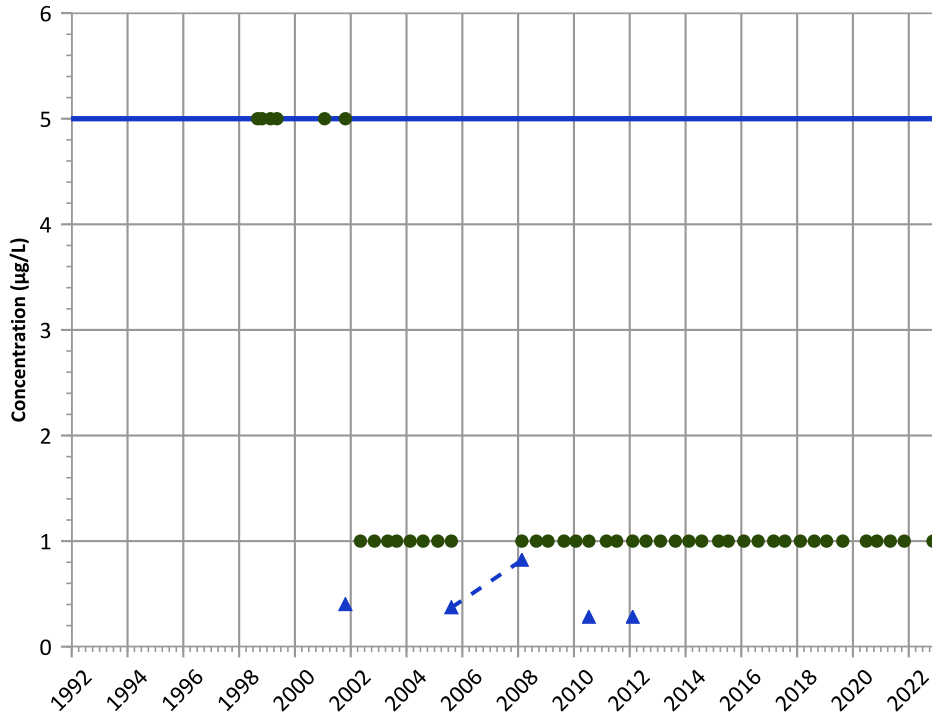
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

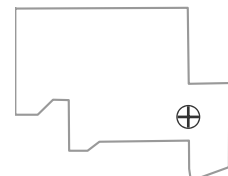
2020 - 2022 Data:

Stable

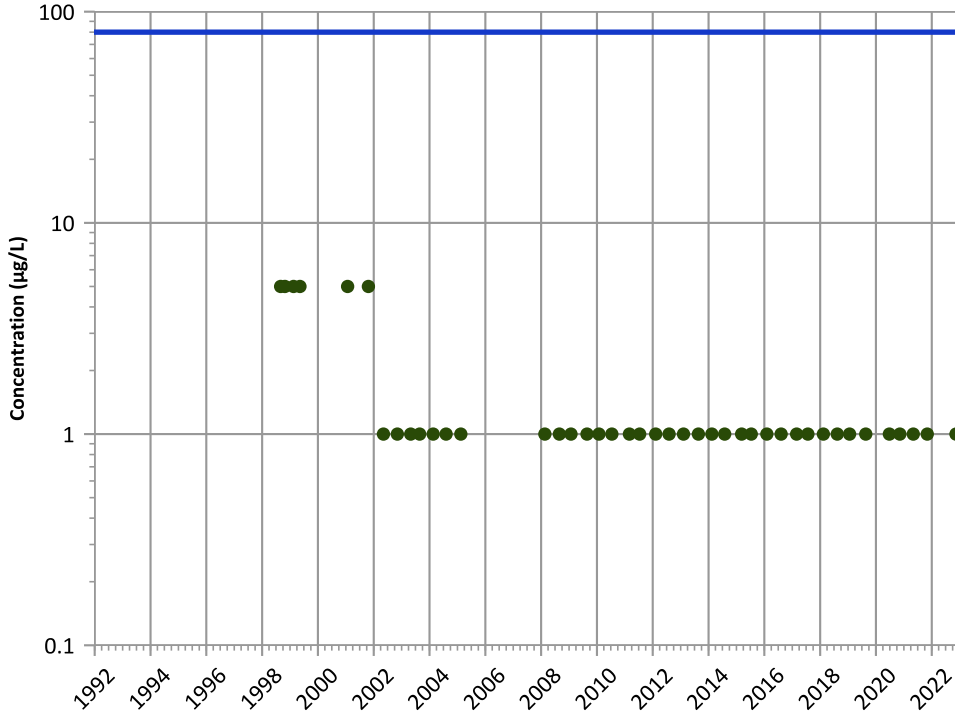
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

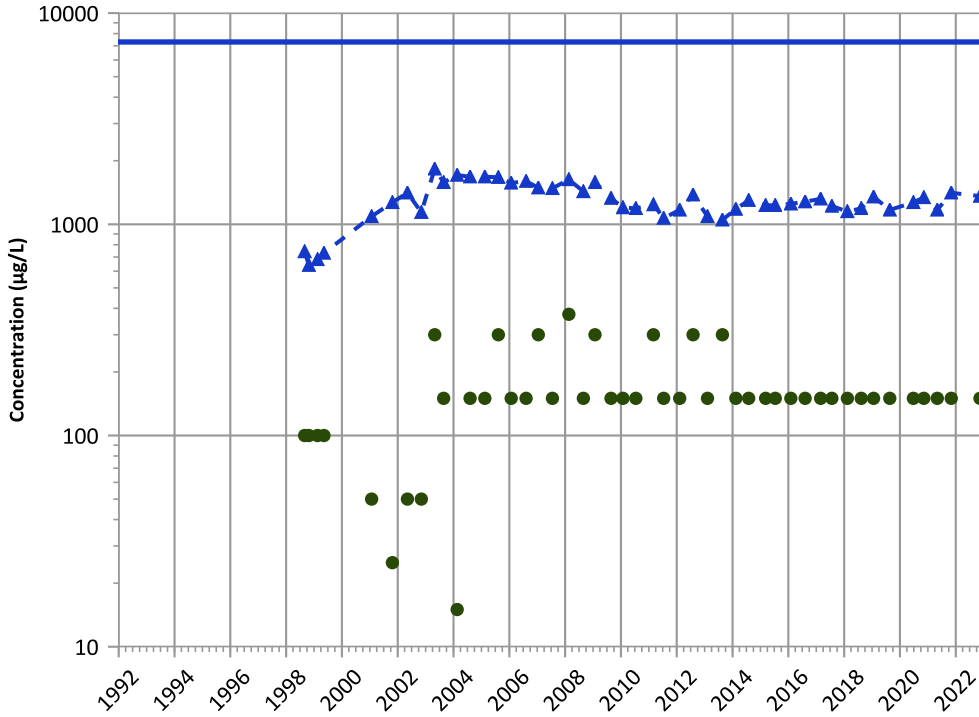


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

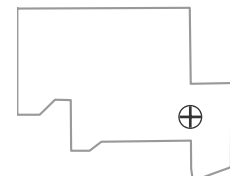
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

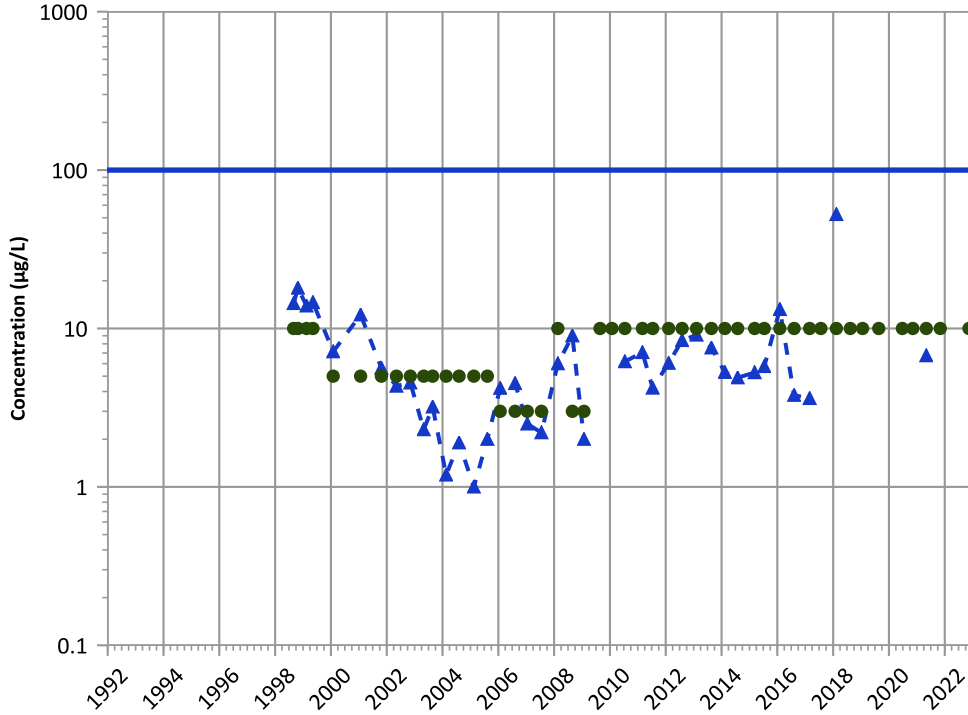
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

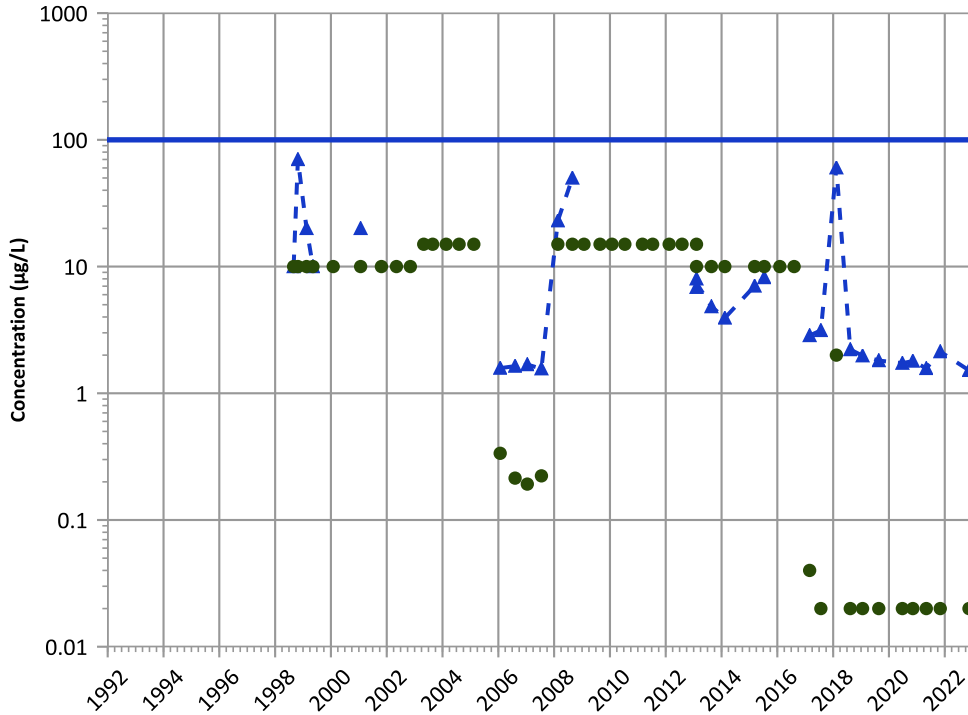


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend

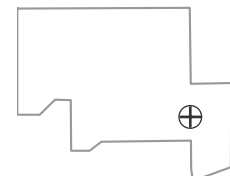


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

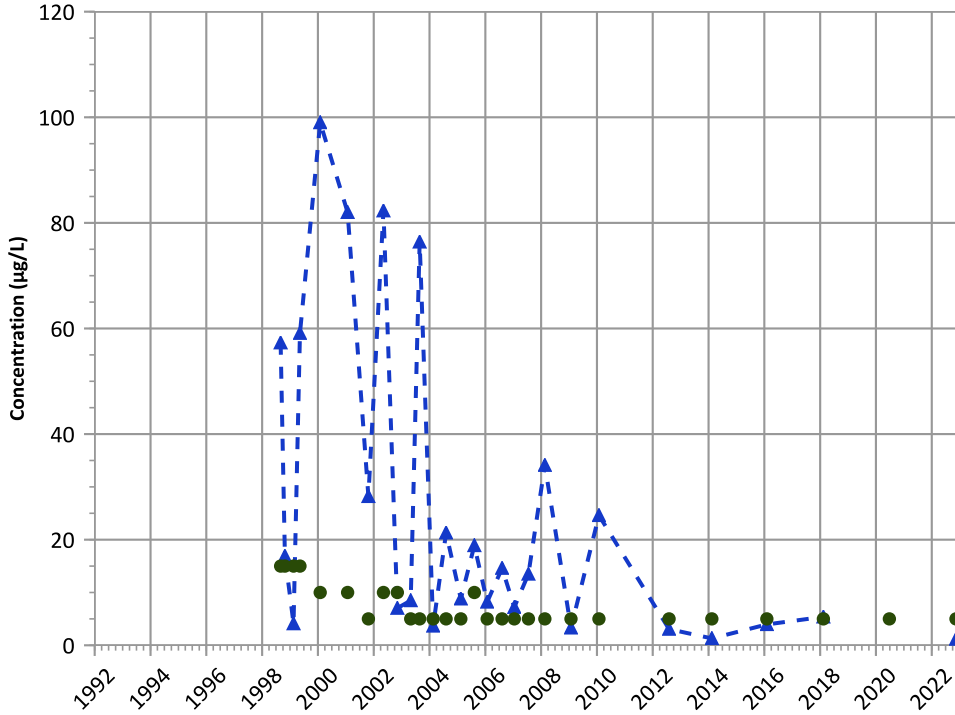


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

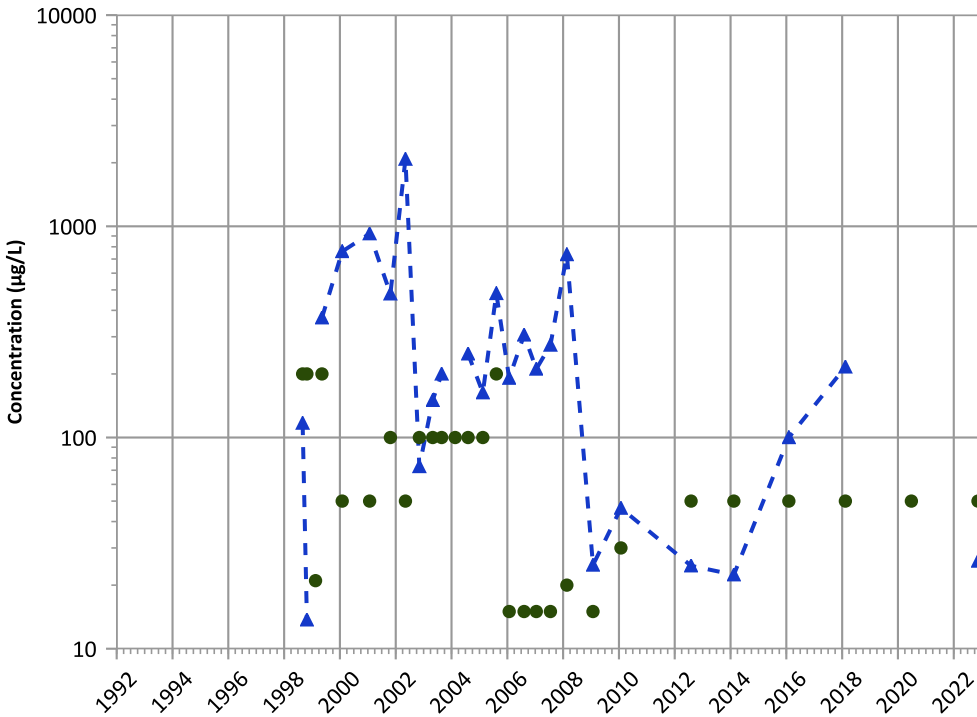


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

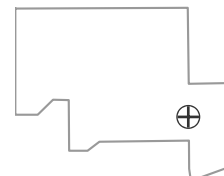
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

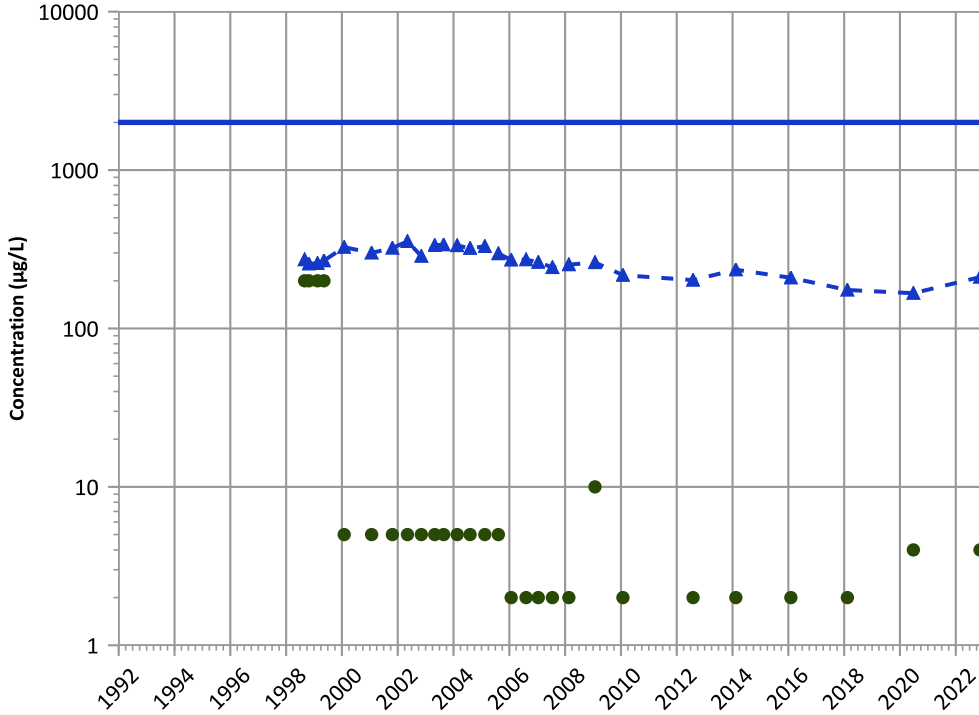
Well Location





PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

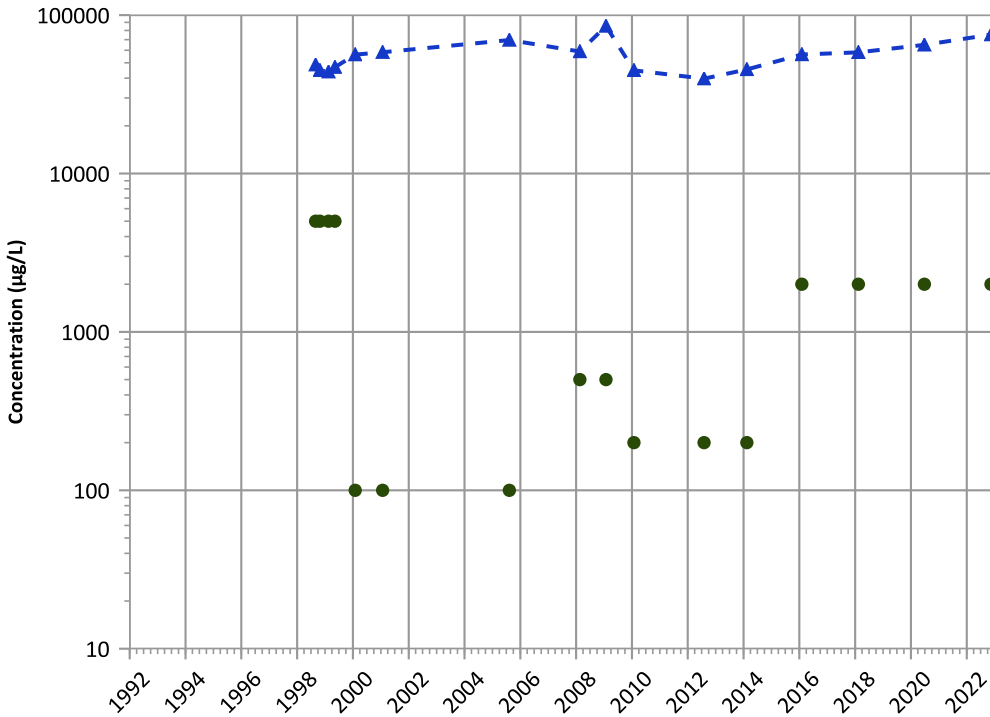


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

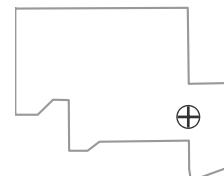
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

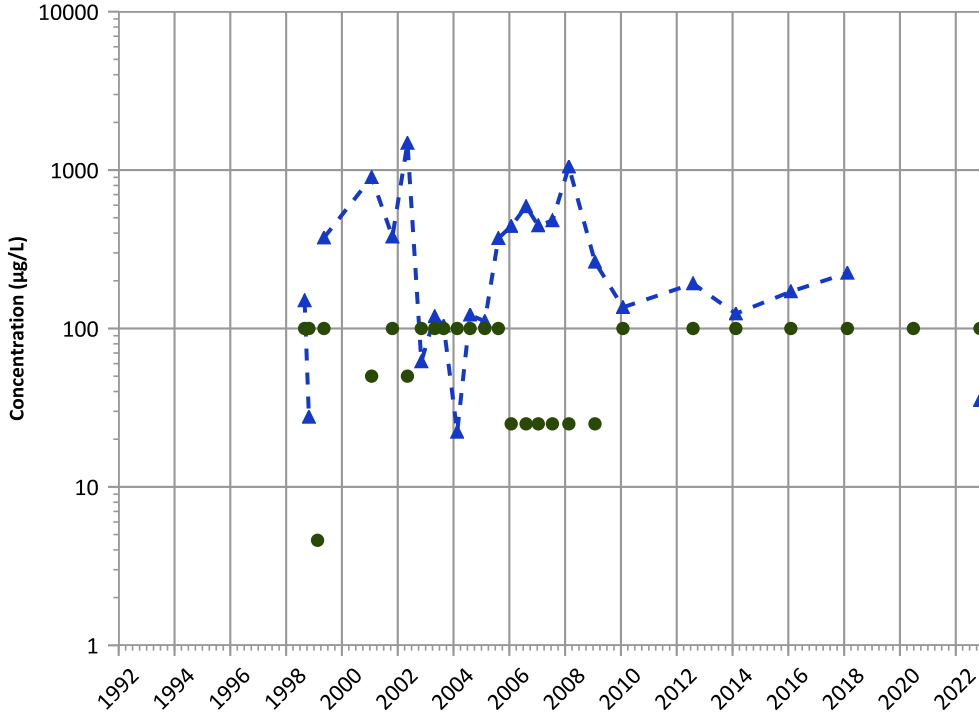
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

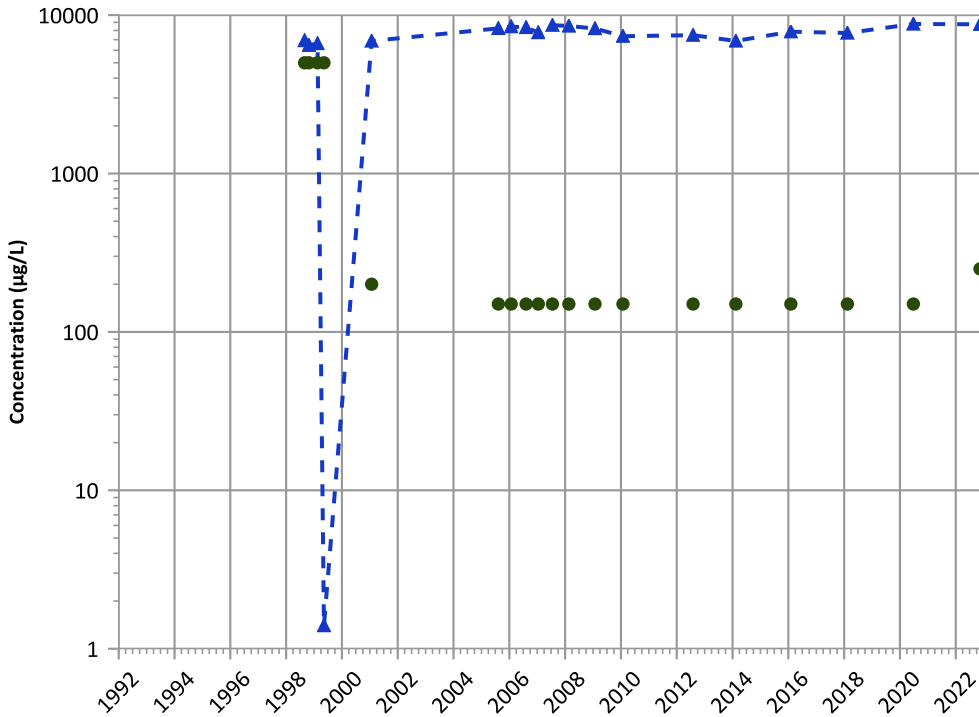
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Probably Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

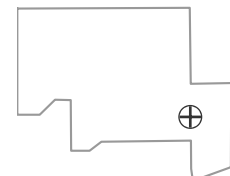
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Well Location

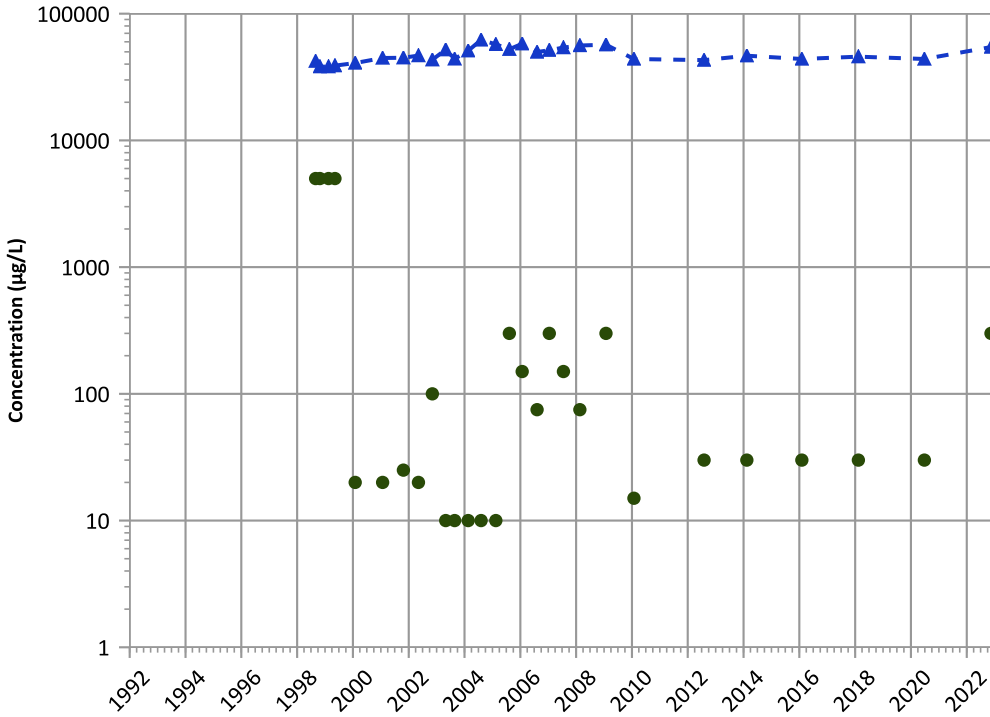


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1040 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

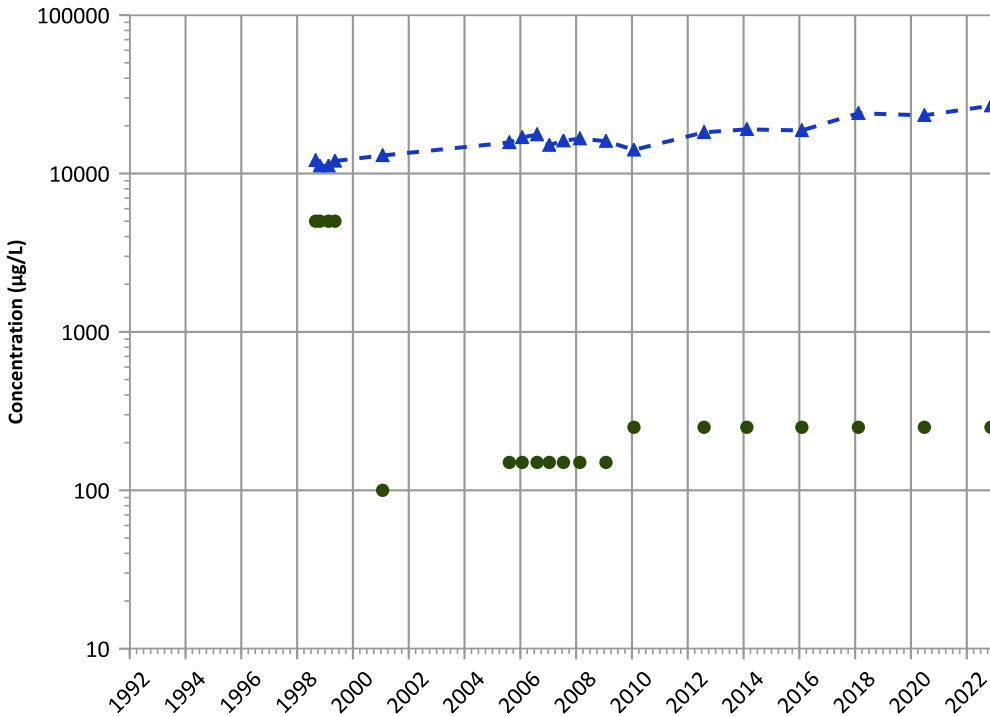
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

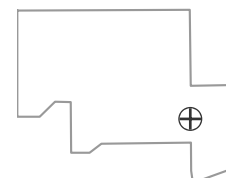
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

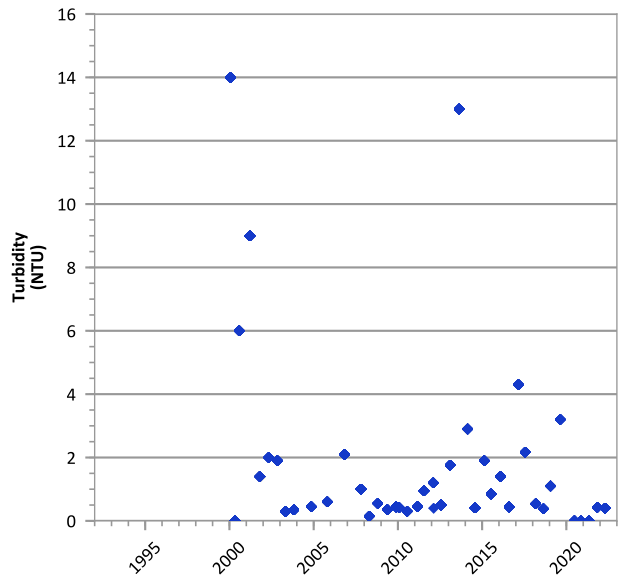
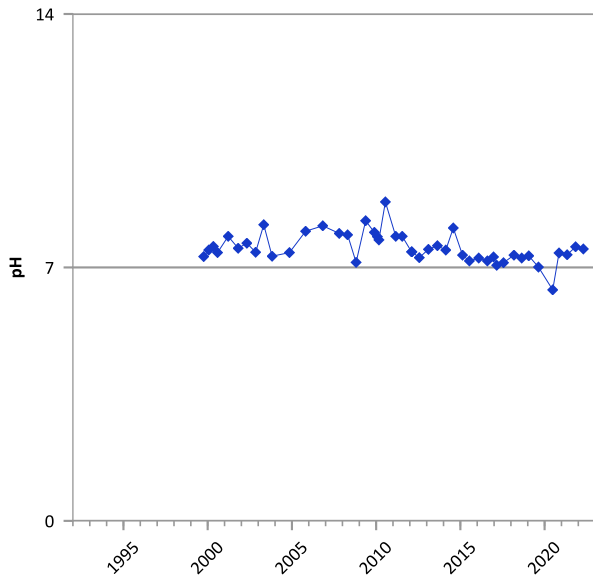
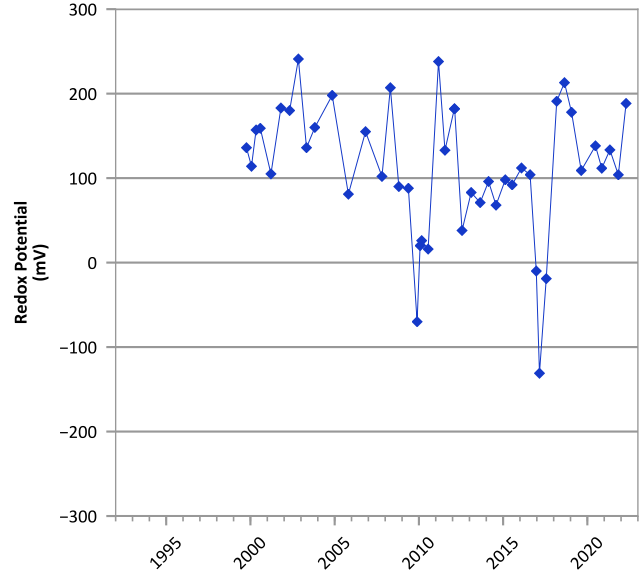
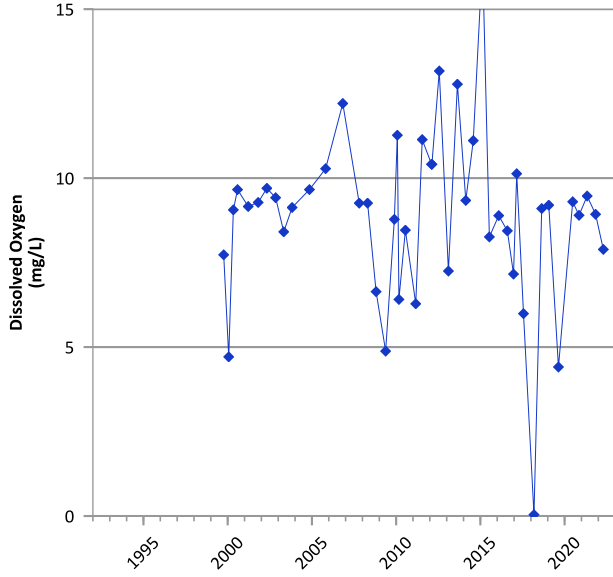
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/30/1998 to 11/14/2022  
Analysis Date: 04/27/2023

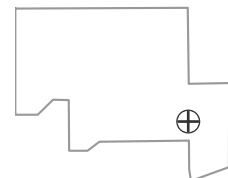
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



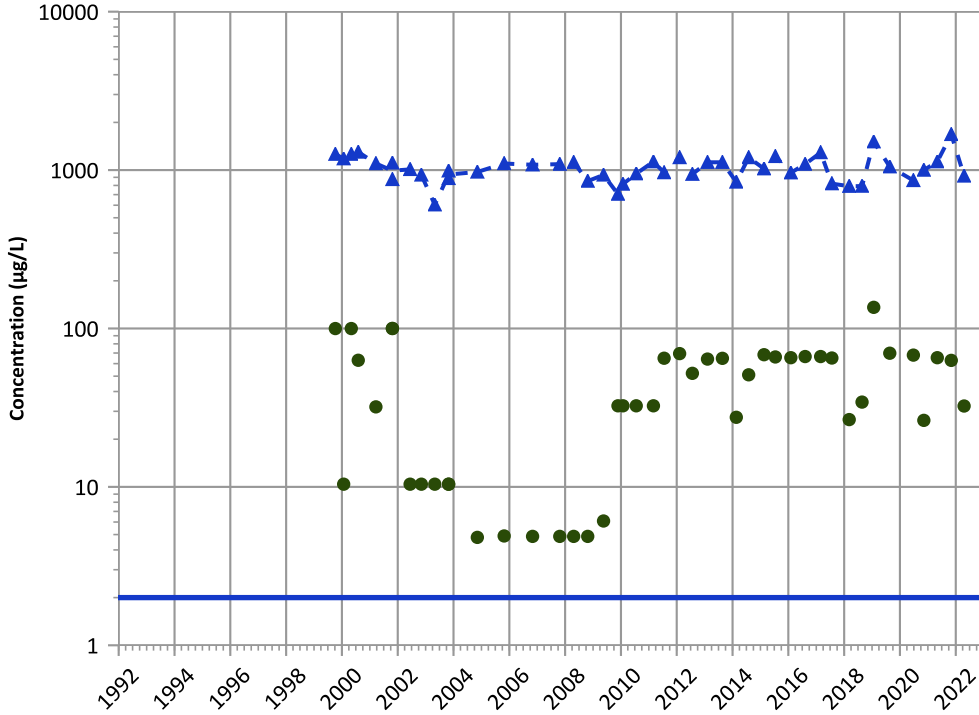
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/07/1999 to 04/20/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

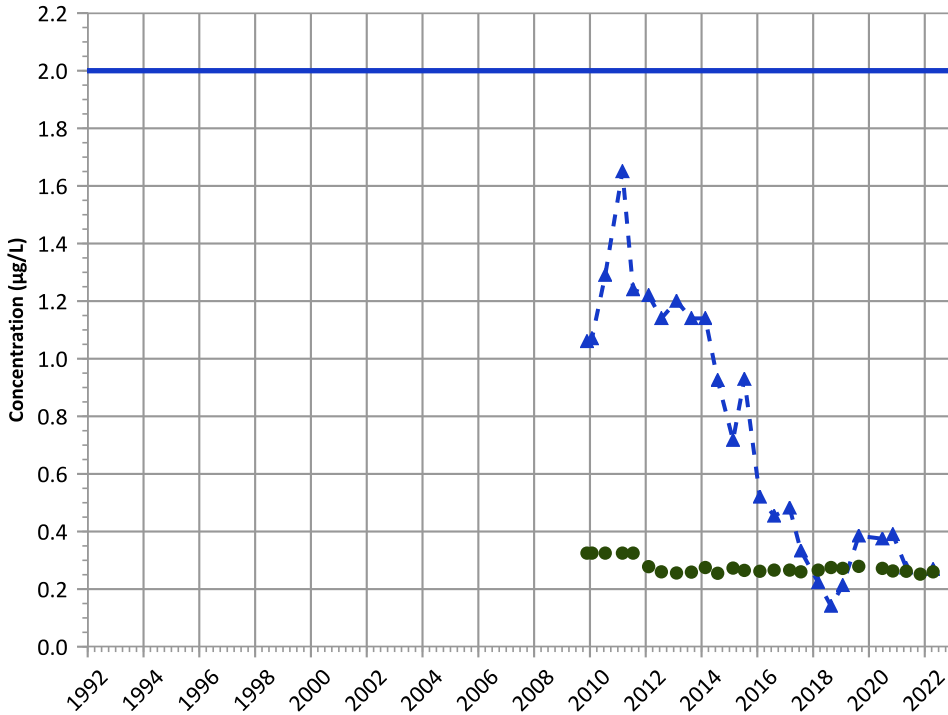
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

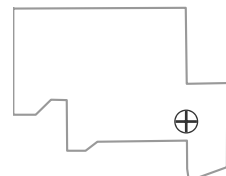
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Well Location

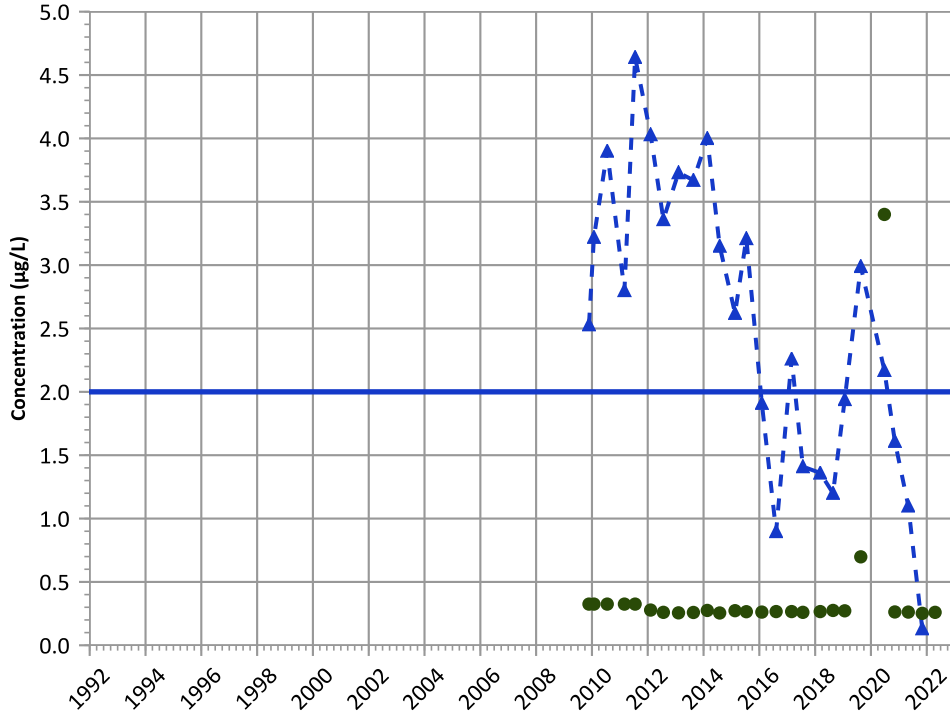


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

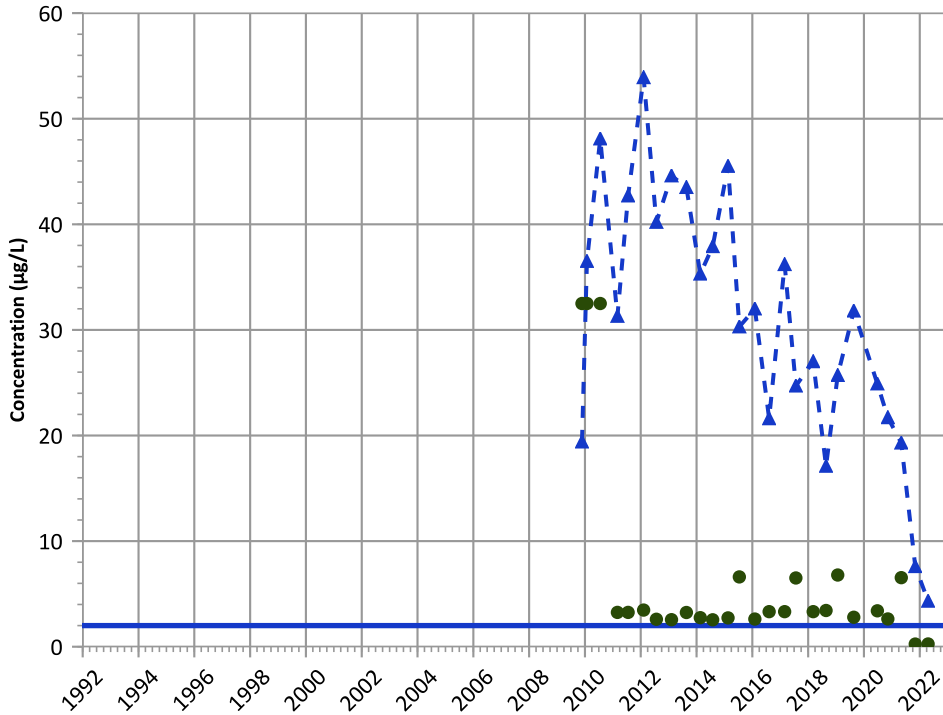


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

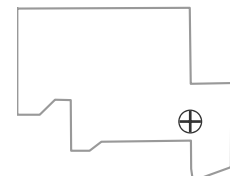


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Well Location

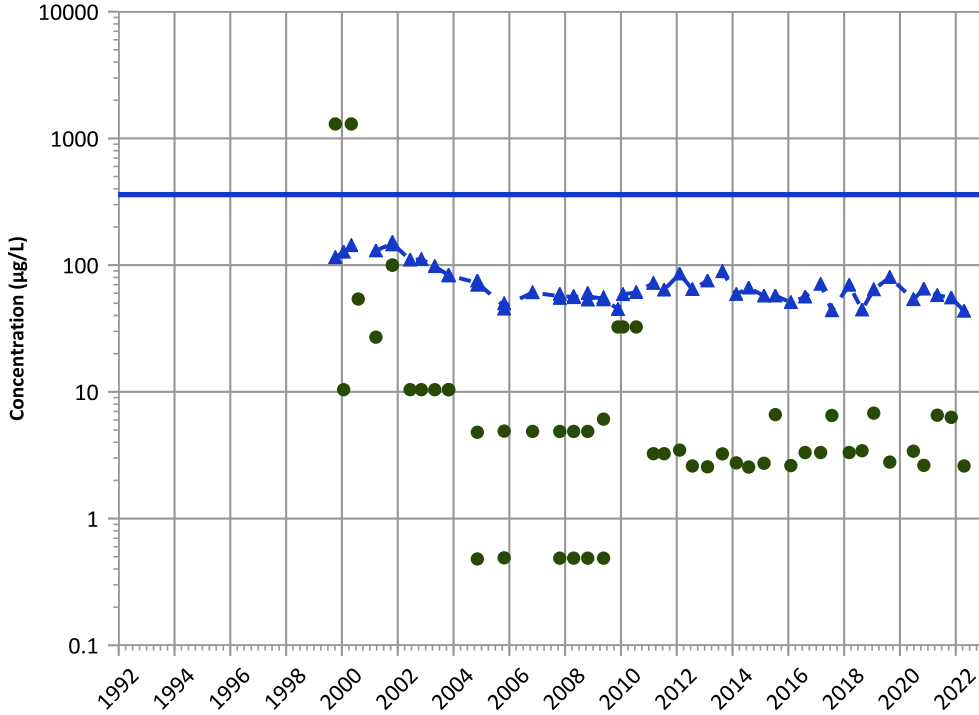


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

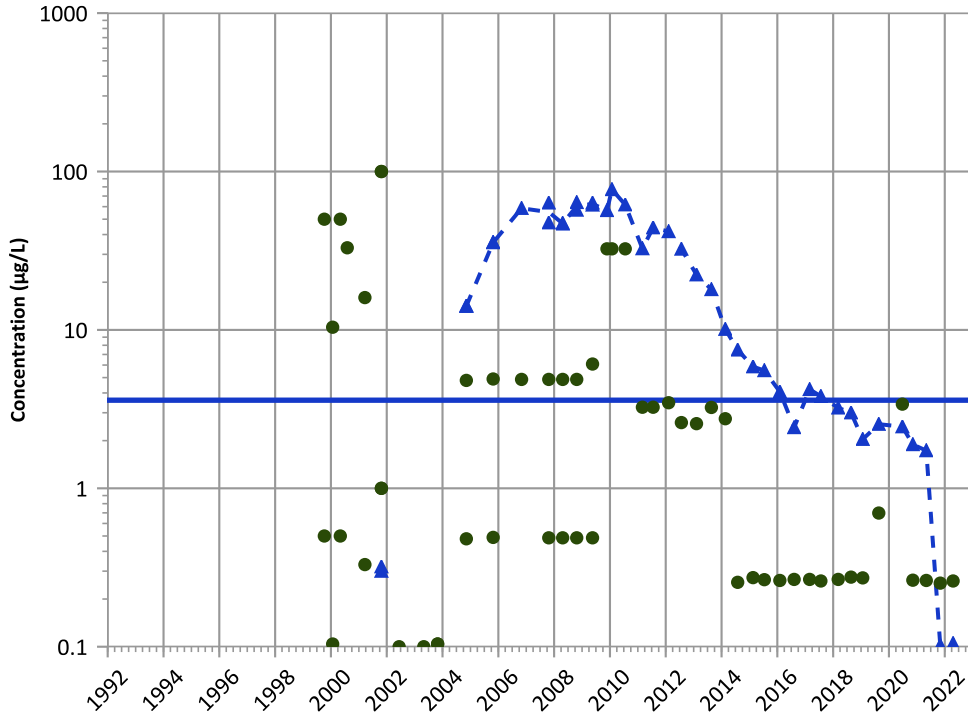
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

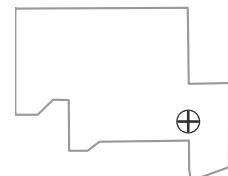
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

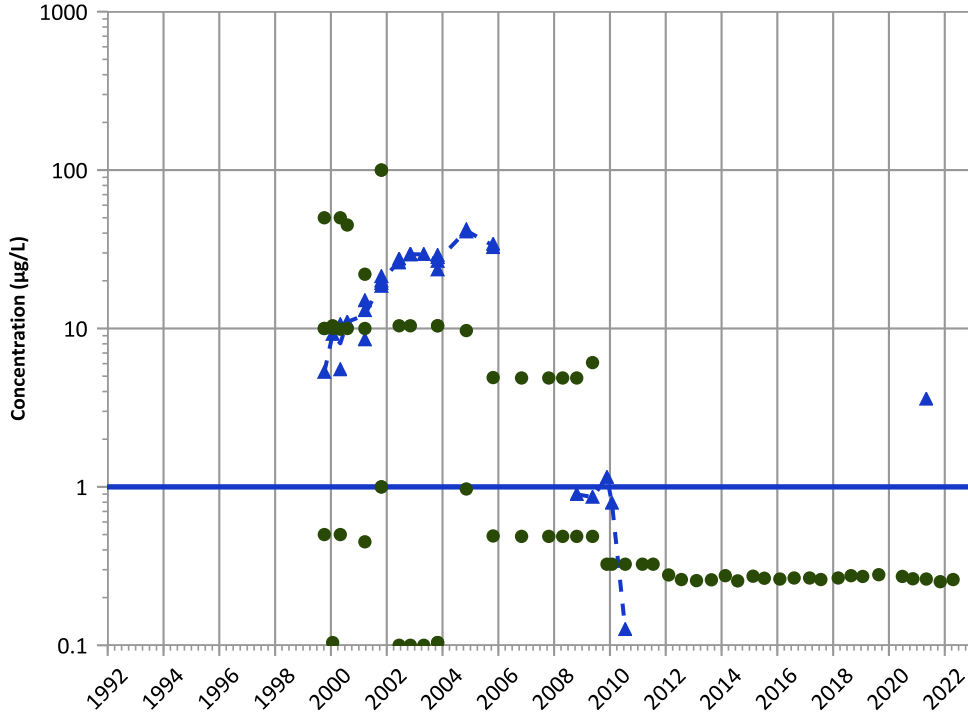
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

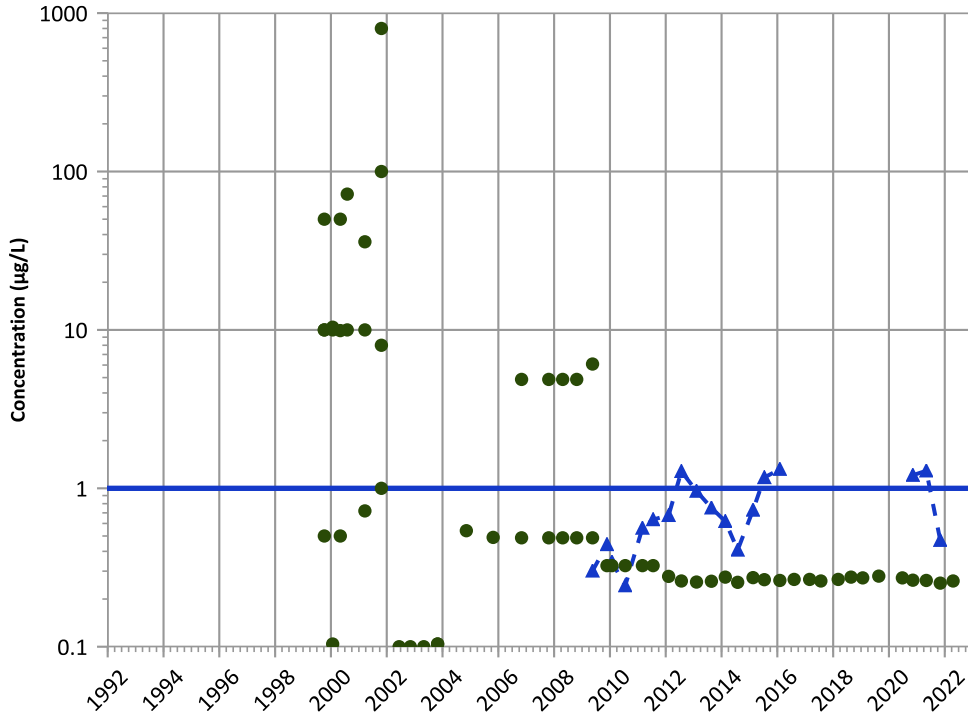


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

2,6-Dinitrotoluene Trend



Concentration Trend

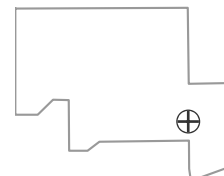
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

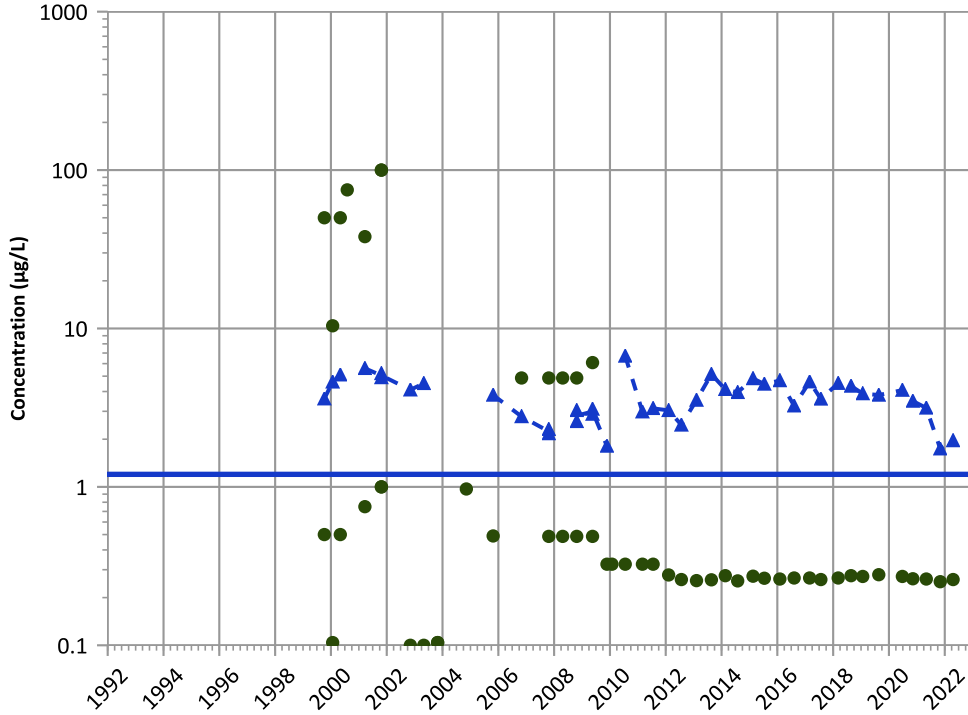
Well Location





PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

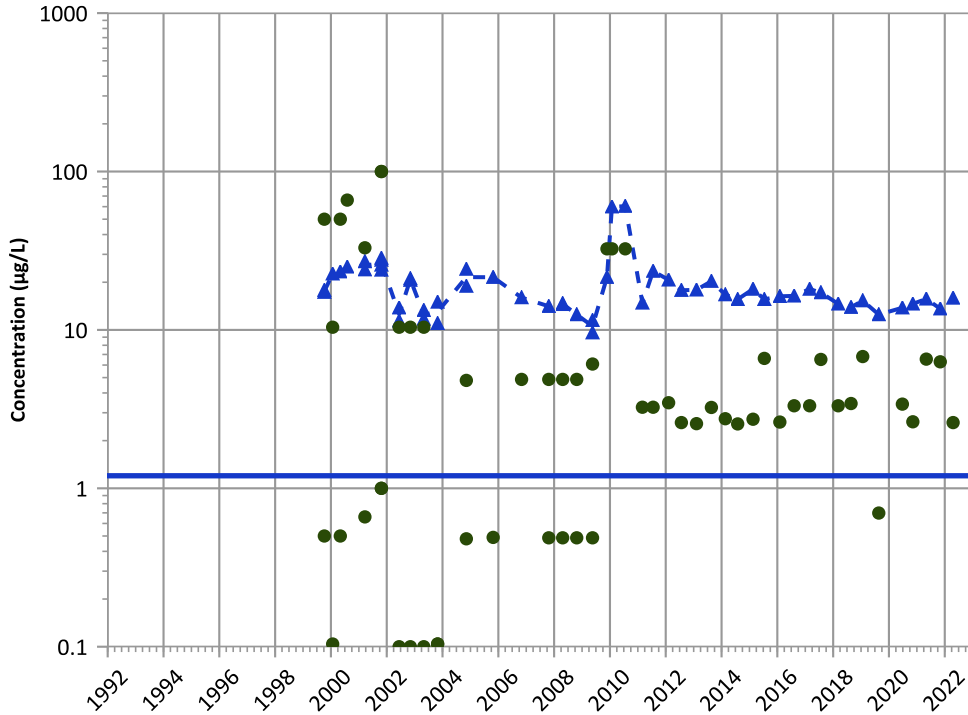


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

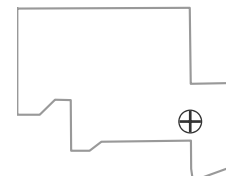
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

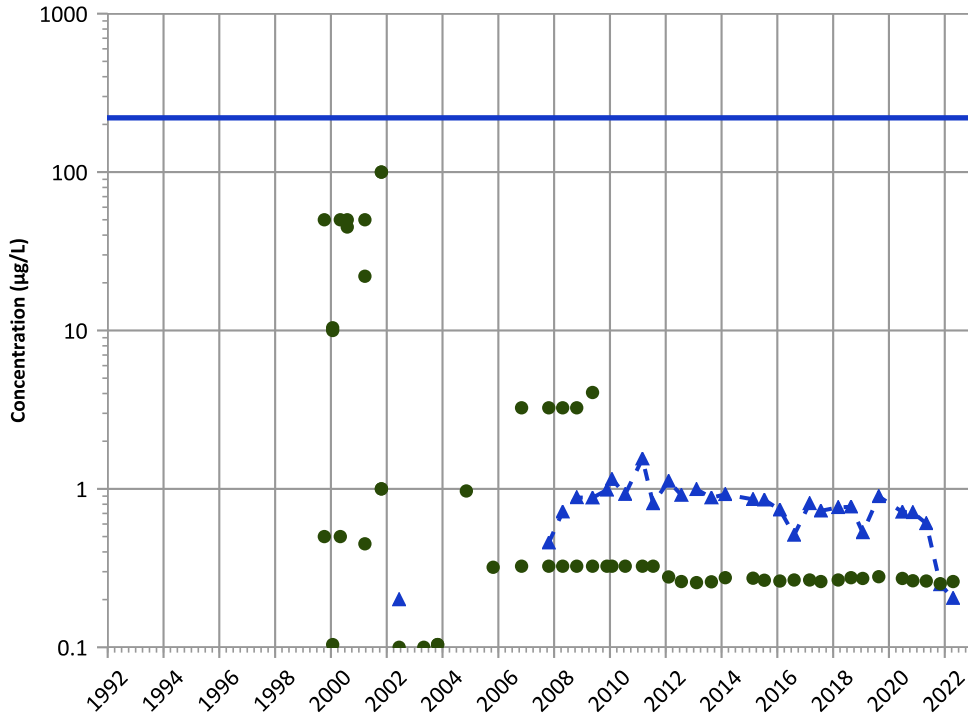
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

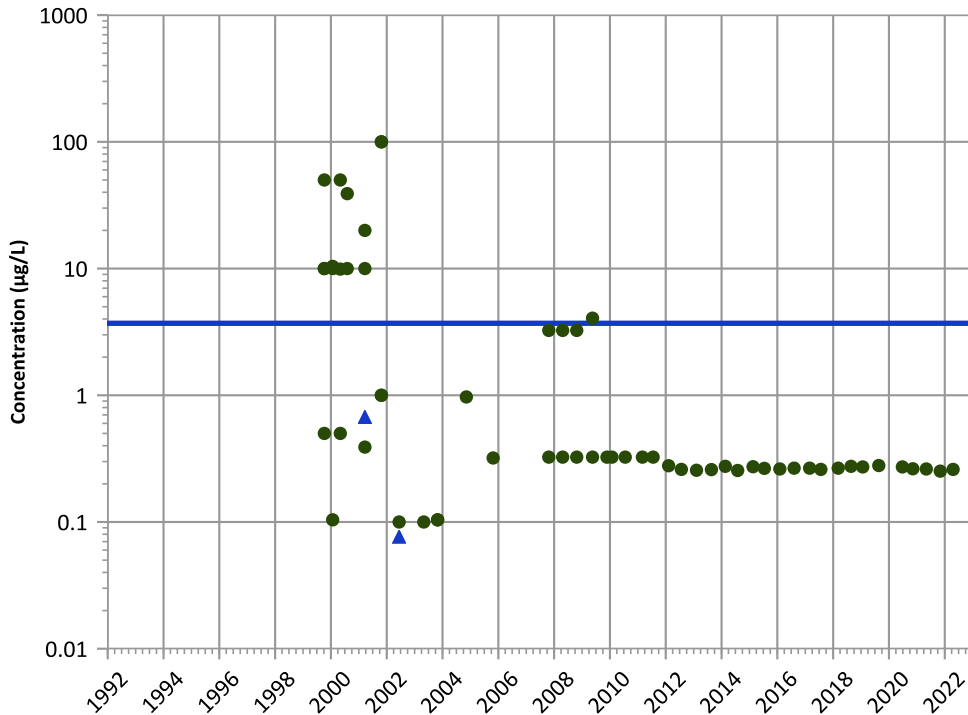
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

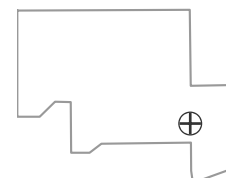
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

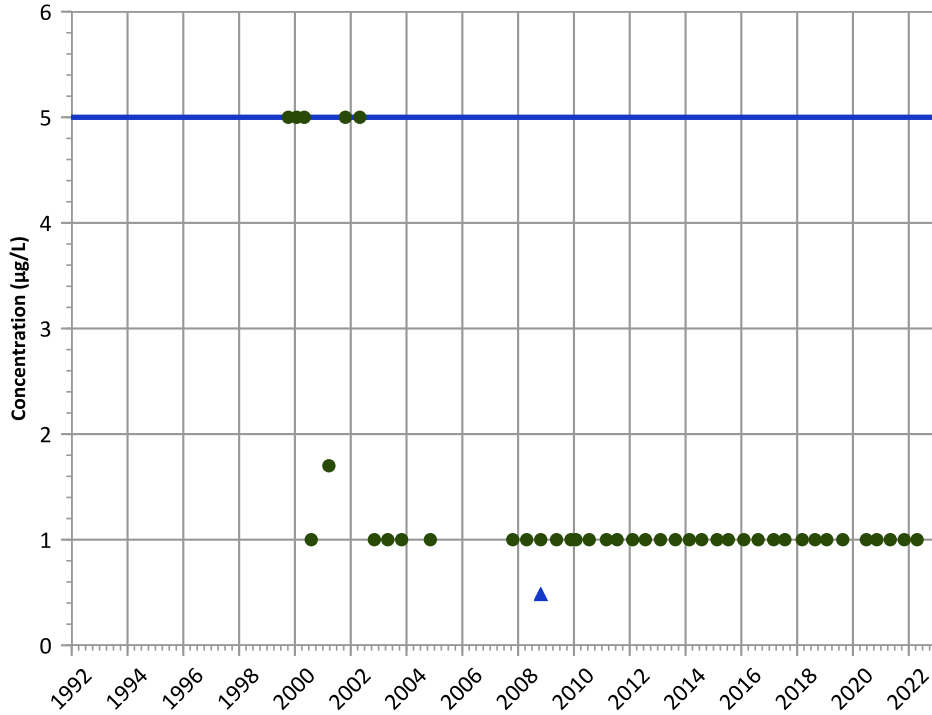
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

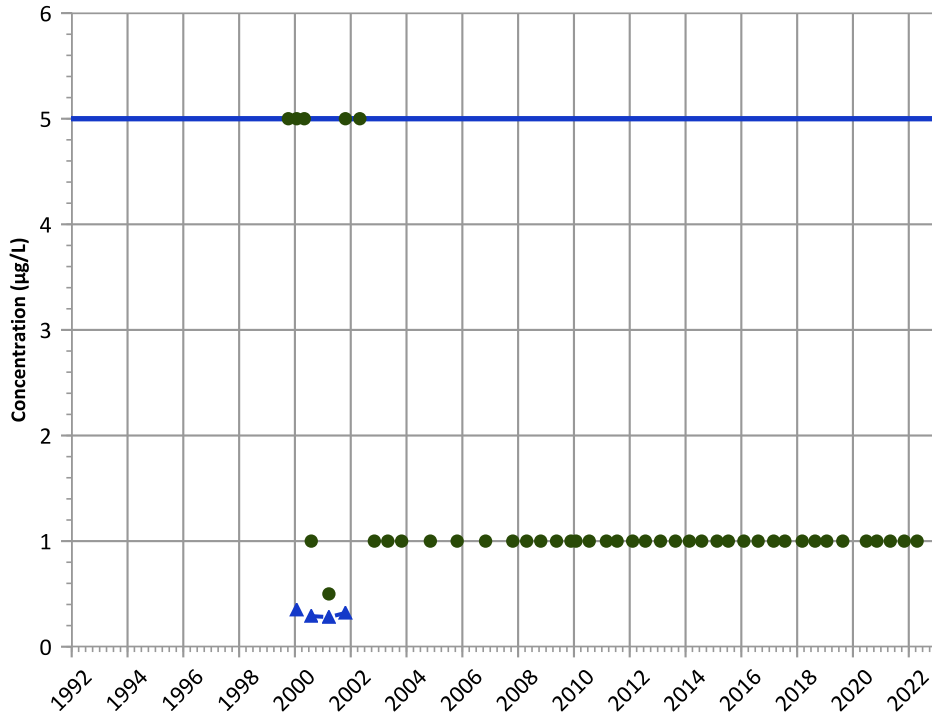
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

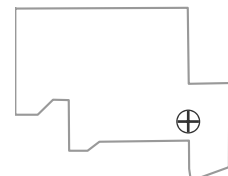
2020 - 2022 Data:

Stable

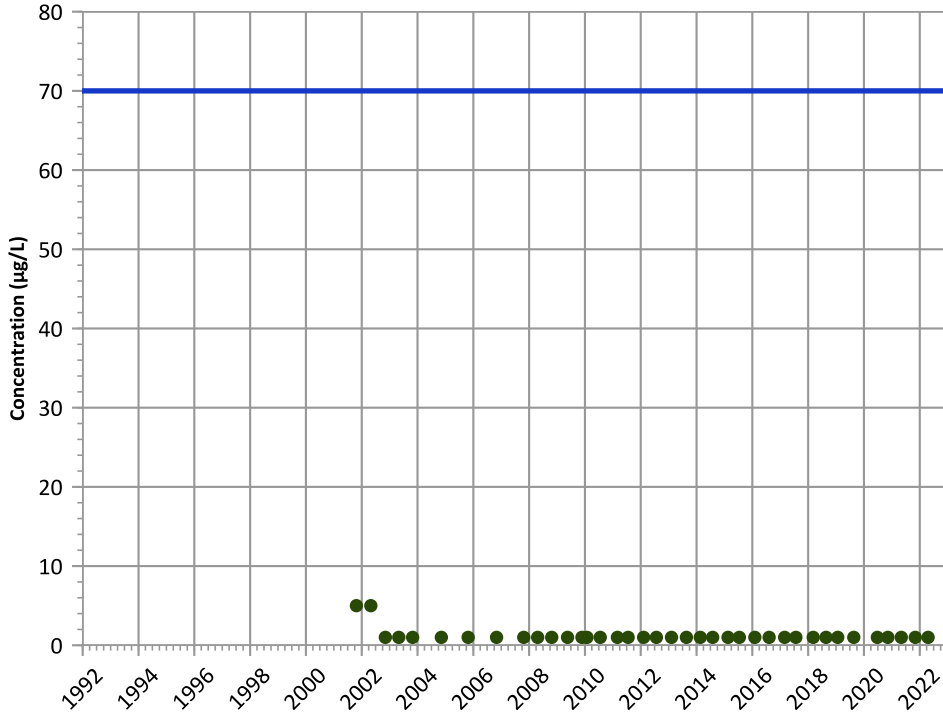
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

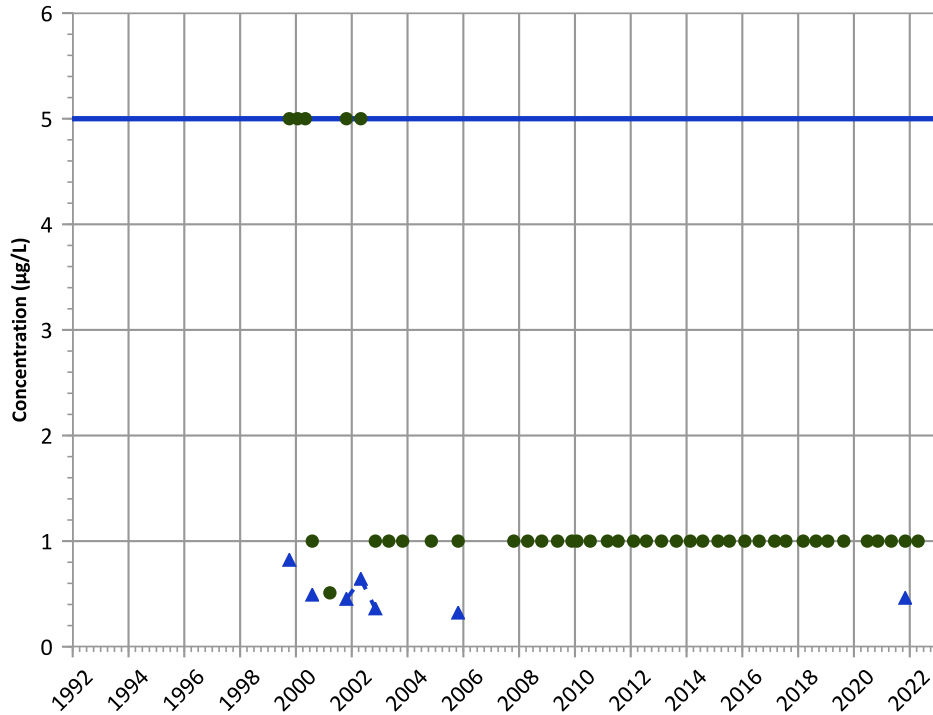
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

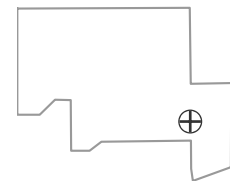
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

Stable

**Well Location**

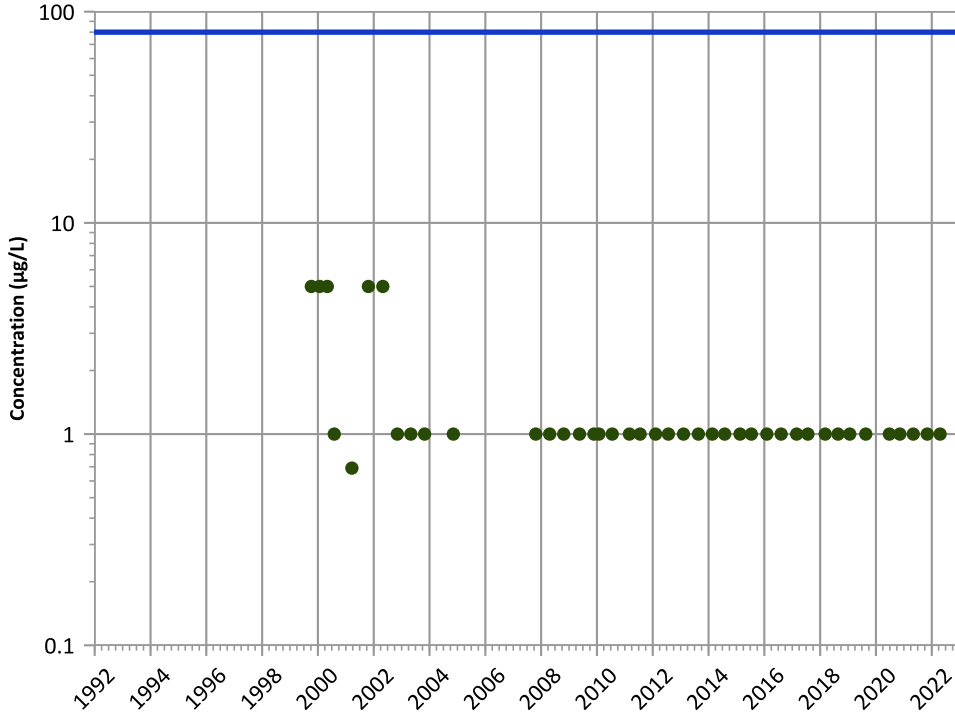


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

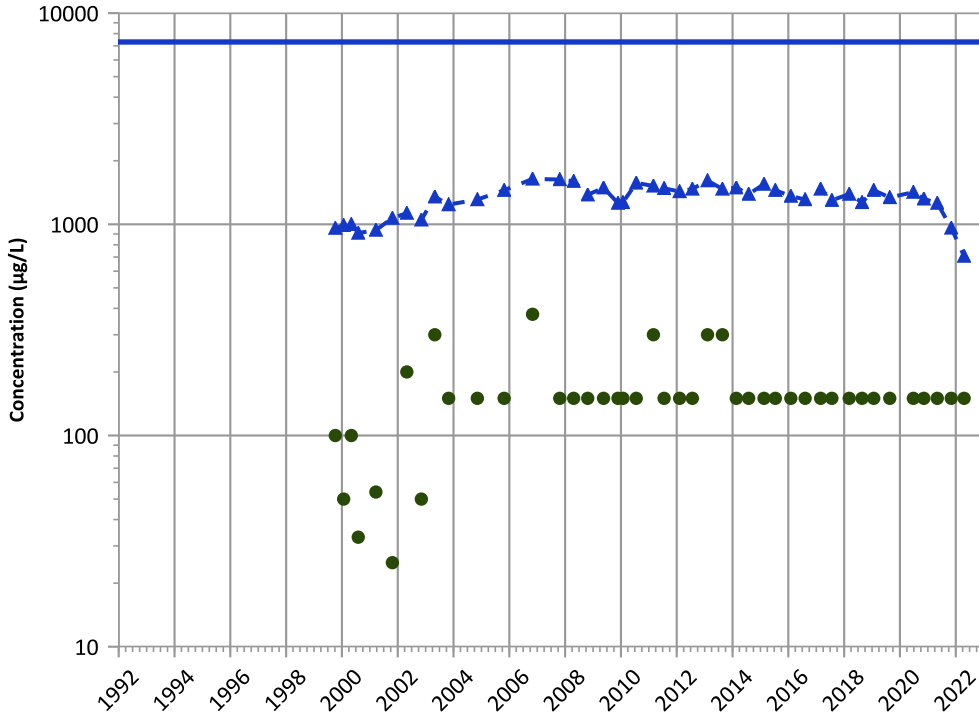
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

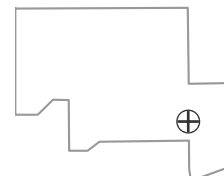
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

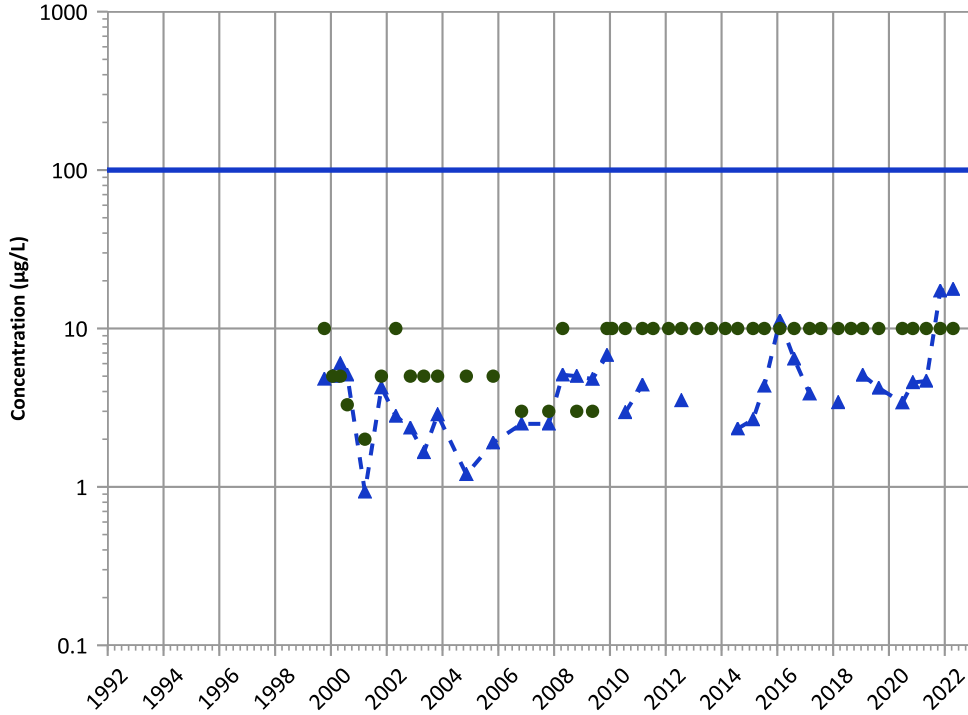
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

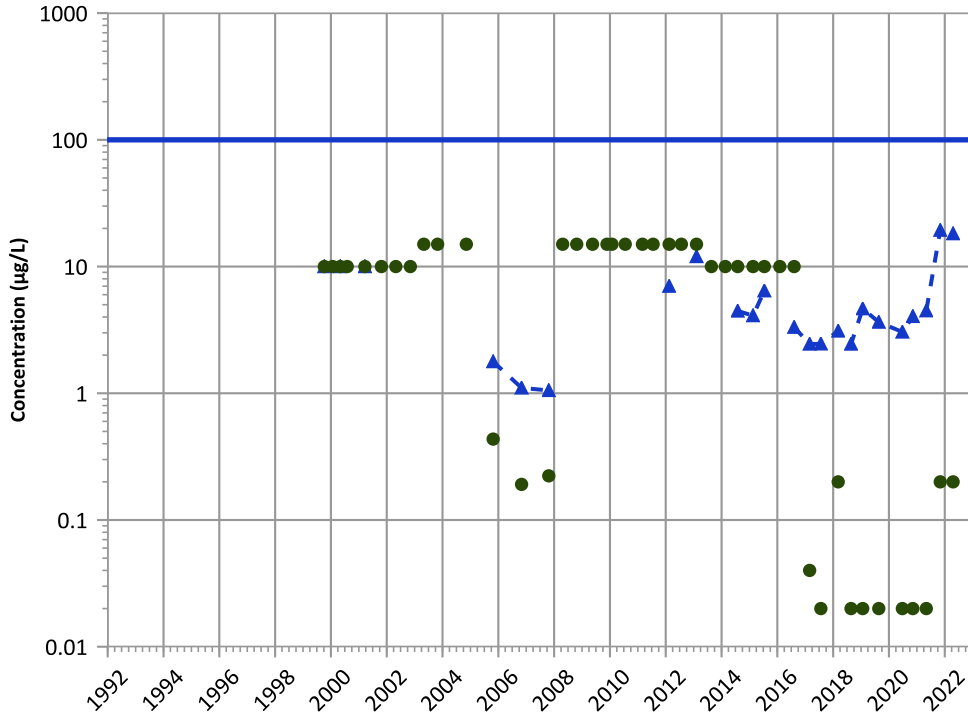


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Chromium, Hexavalent Trend



Concentration Trend

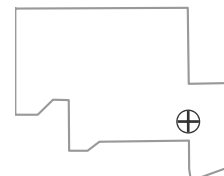
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

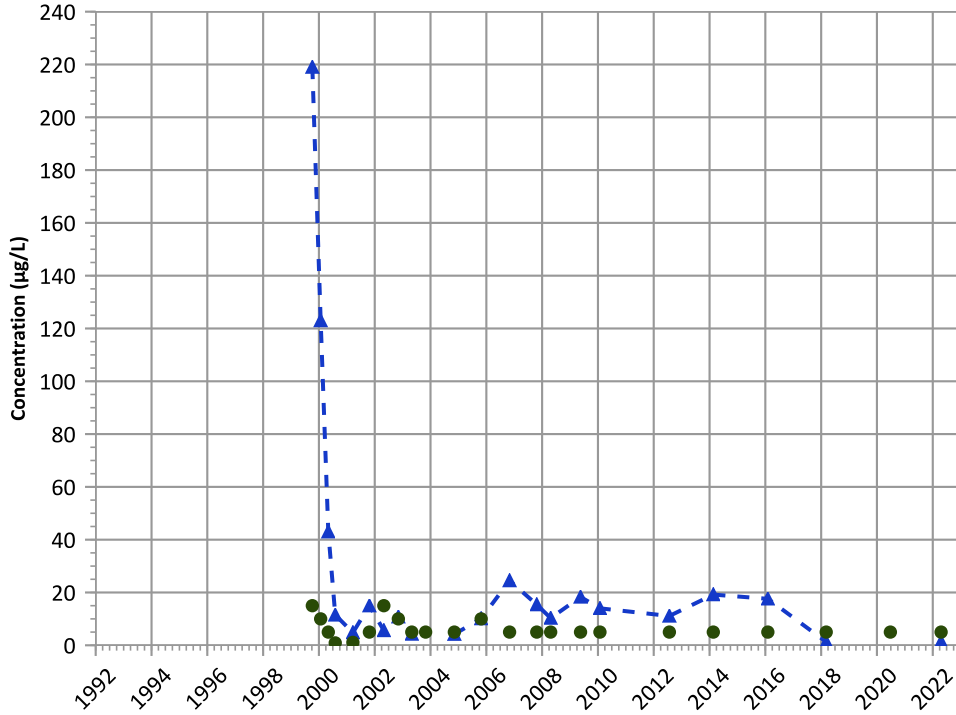
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend**

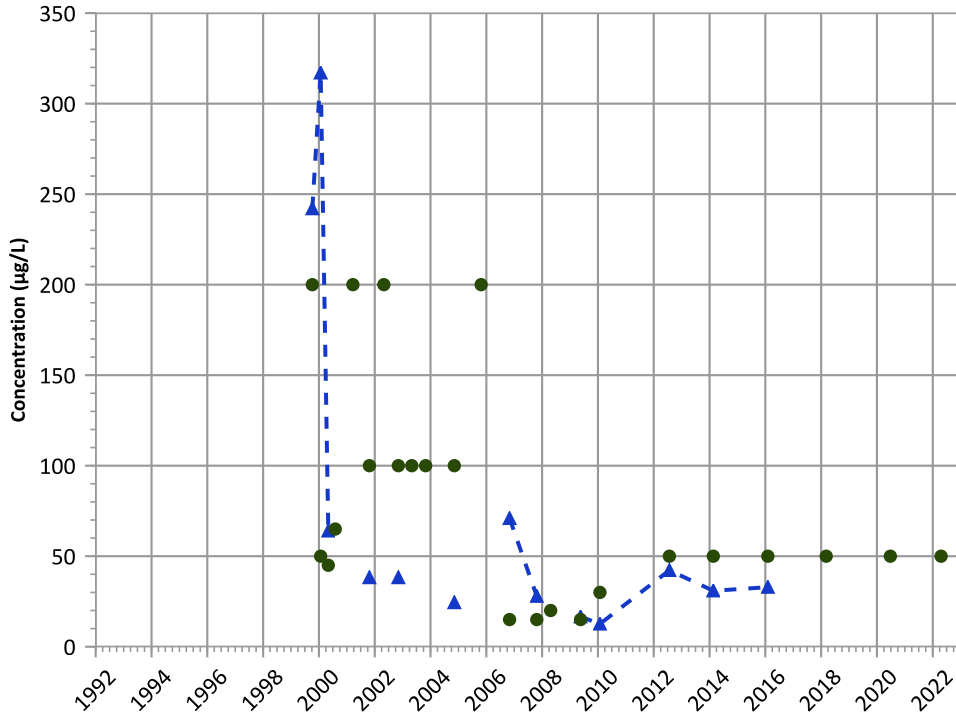


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

**Aluminum Trend**



**Concentration Trend**

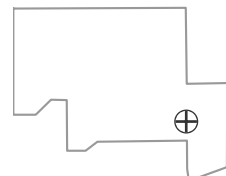
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

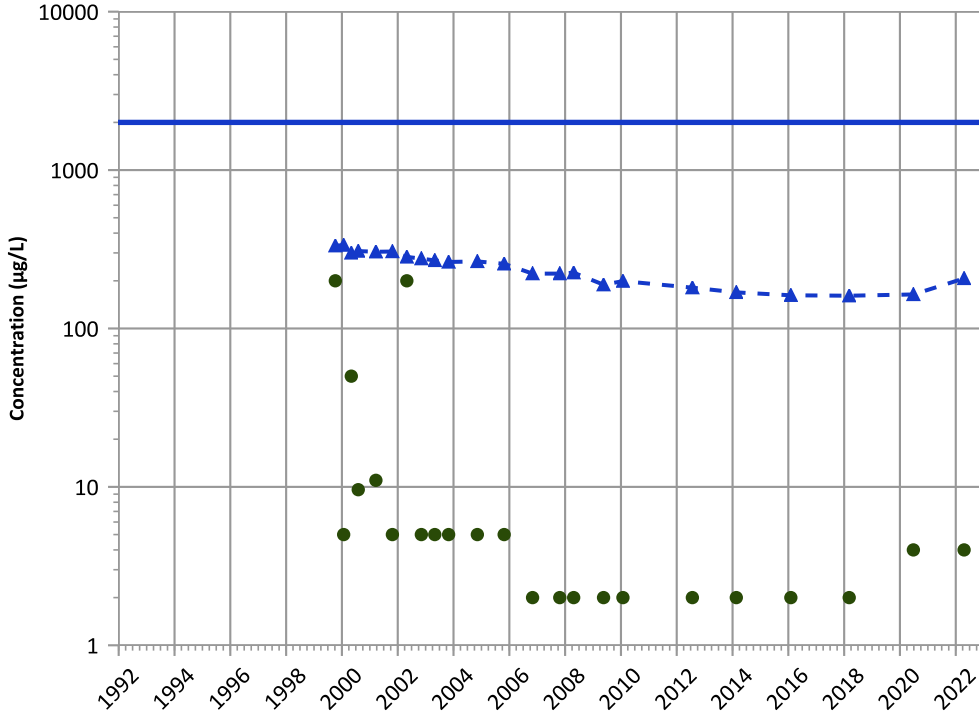
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

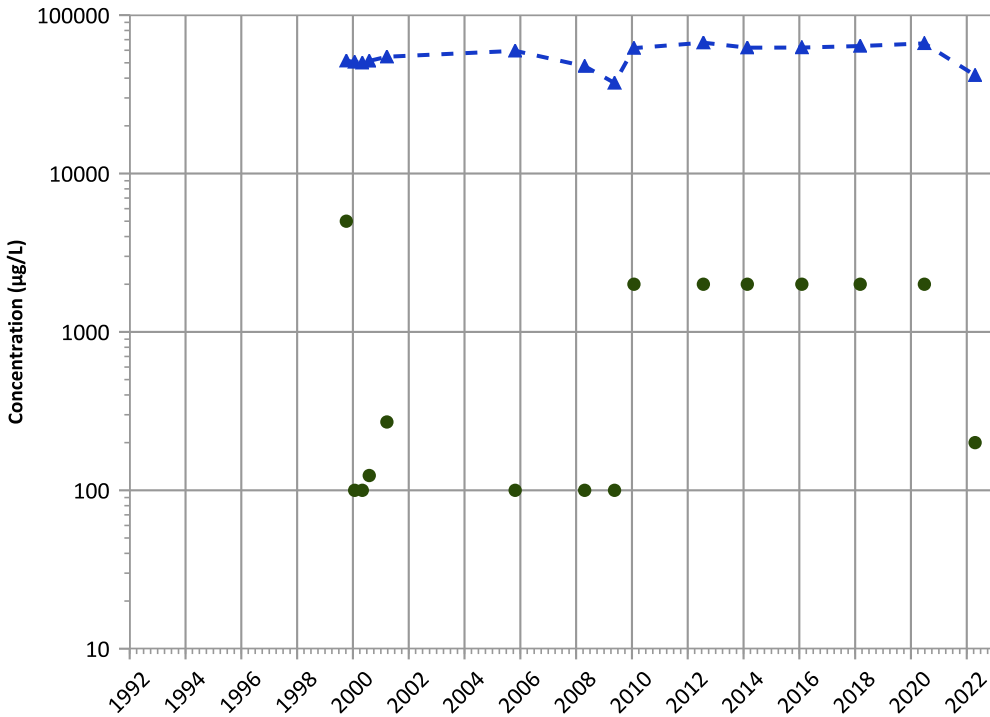


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

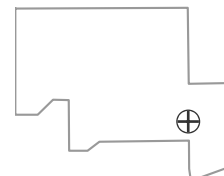
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

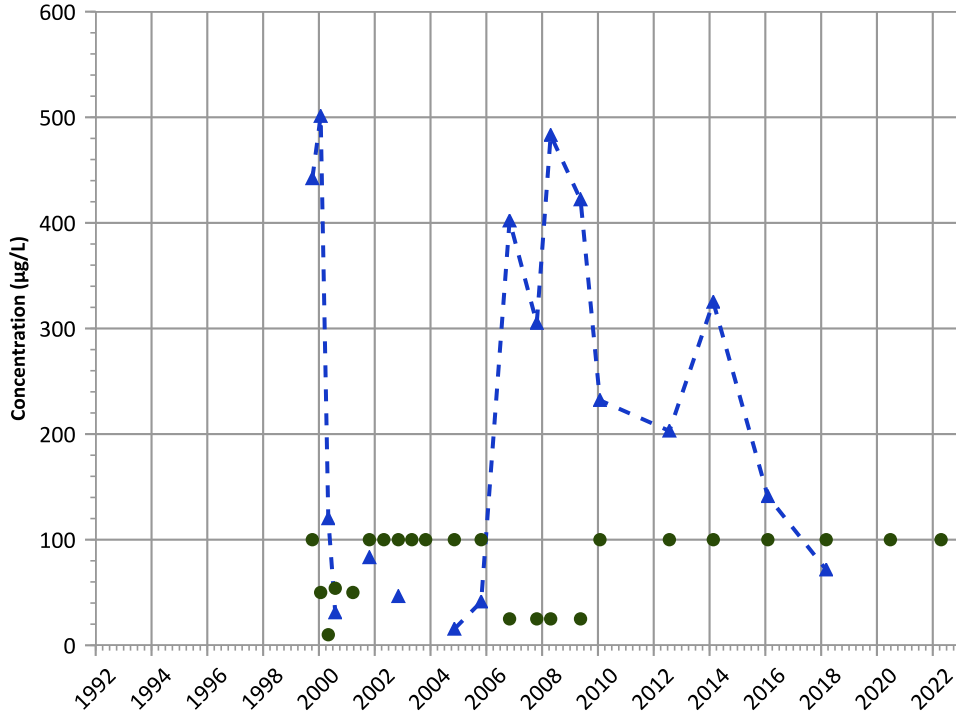
Well Location





PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

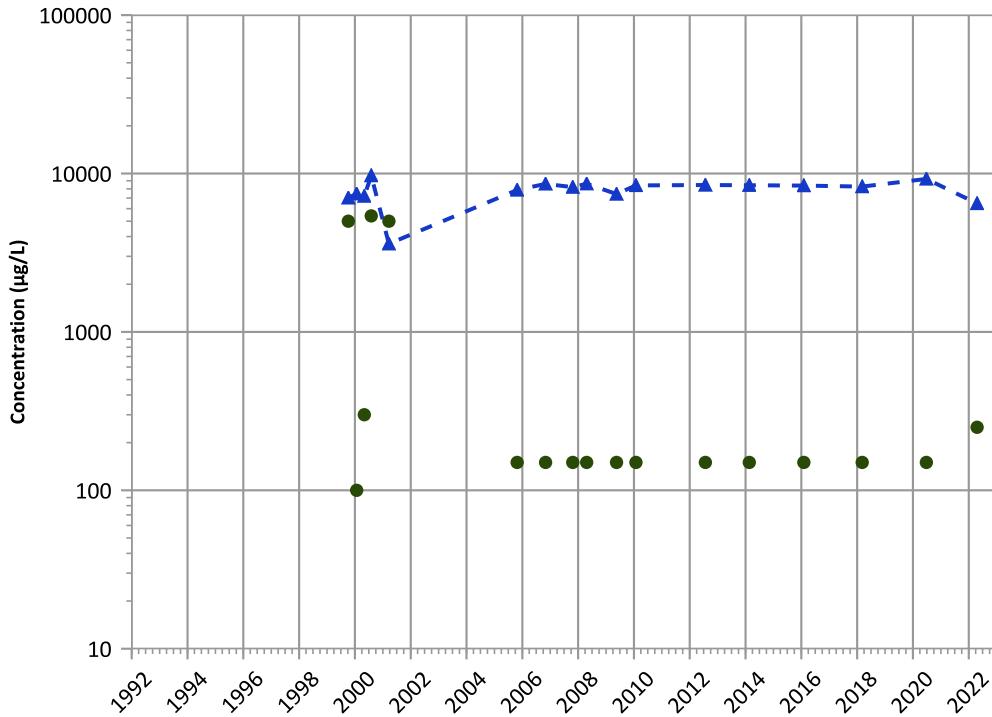


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

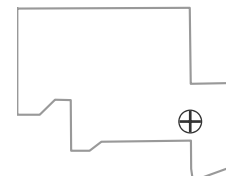
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

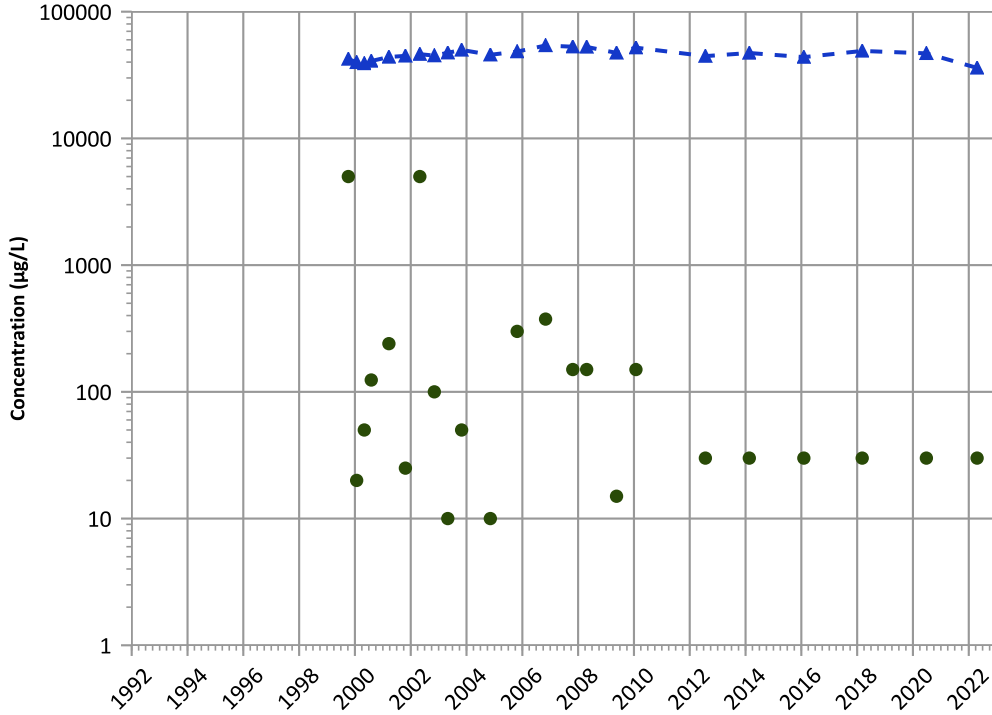
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1041 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

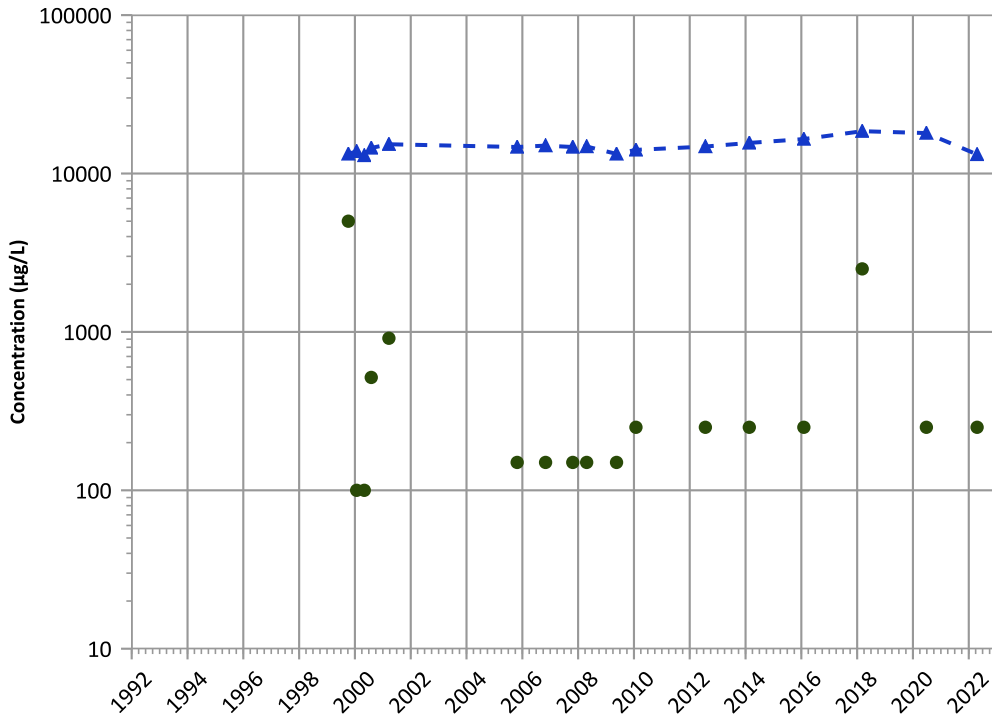


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Sodium Trend

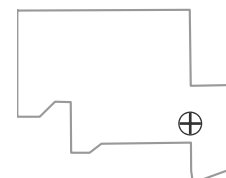


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

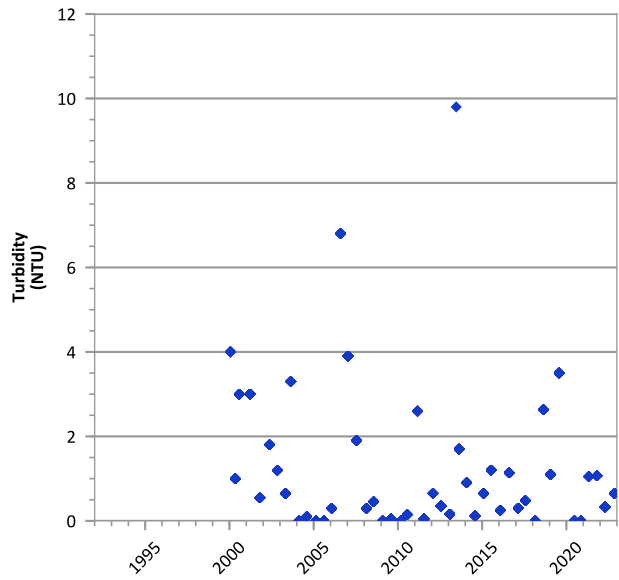
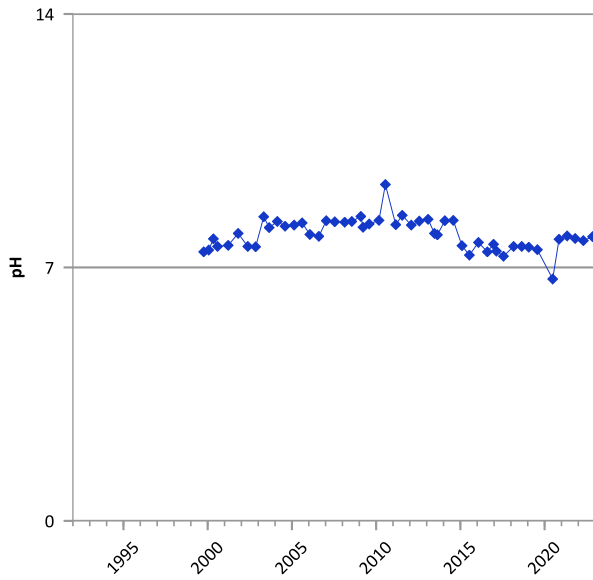
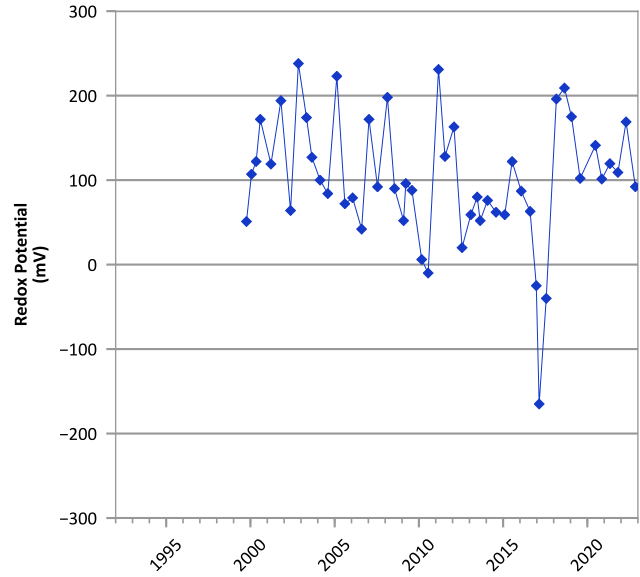
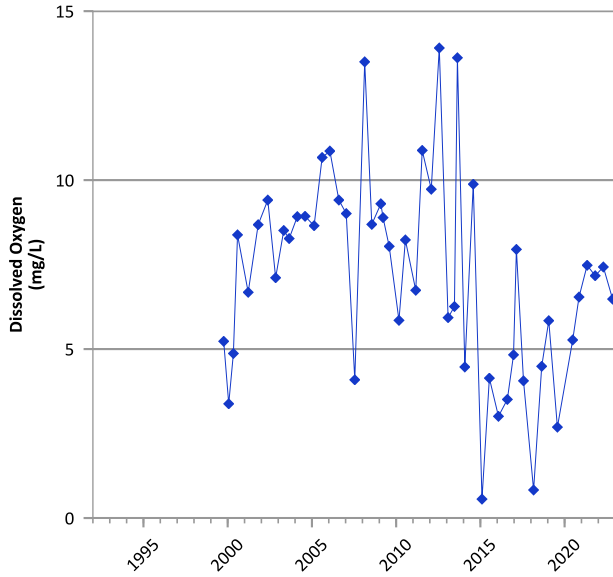
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 04/20/2022  
Analysis Date: 04/27/2023

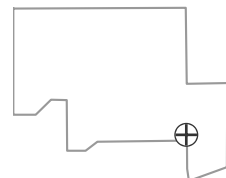
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



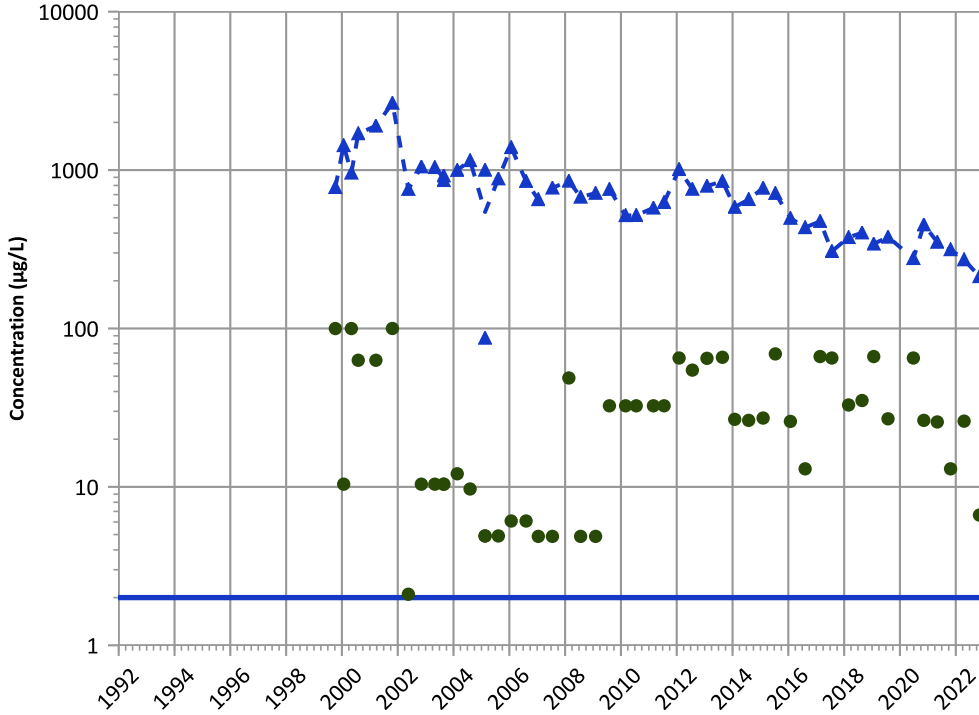
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/07/1999 to 11/07/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

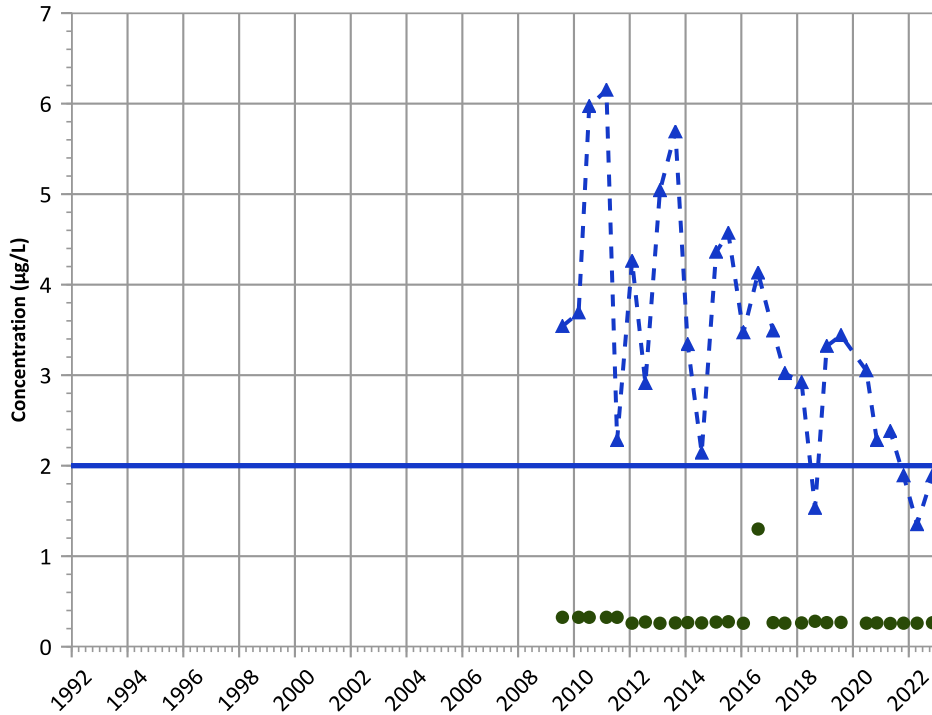


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

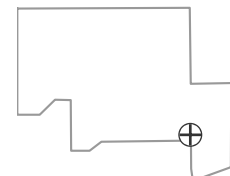


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

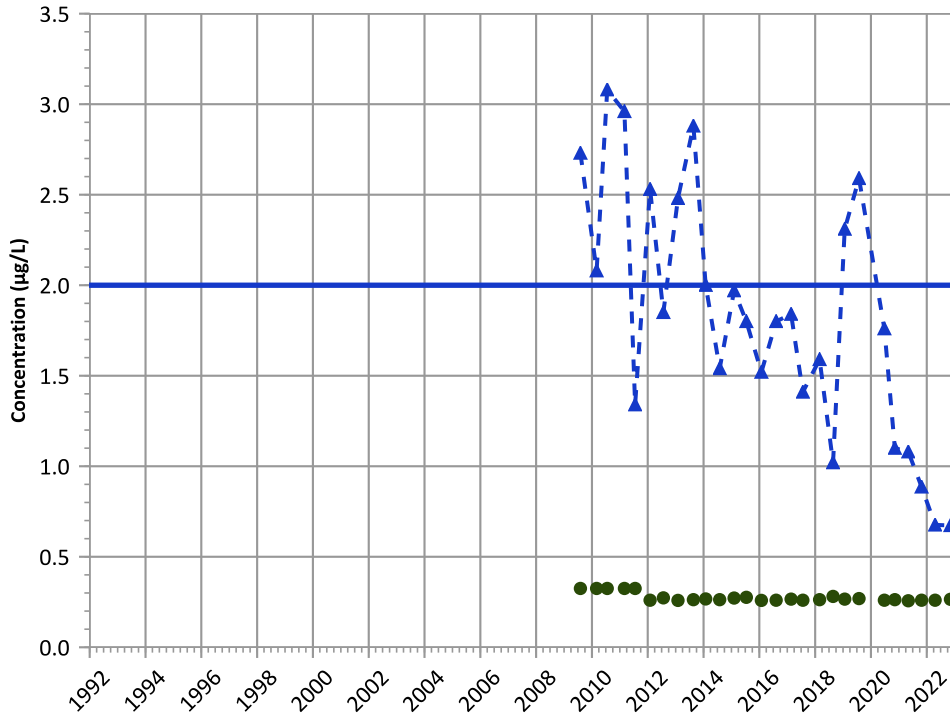


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

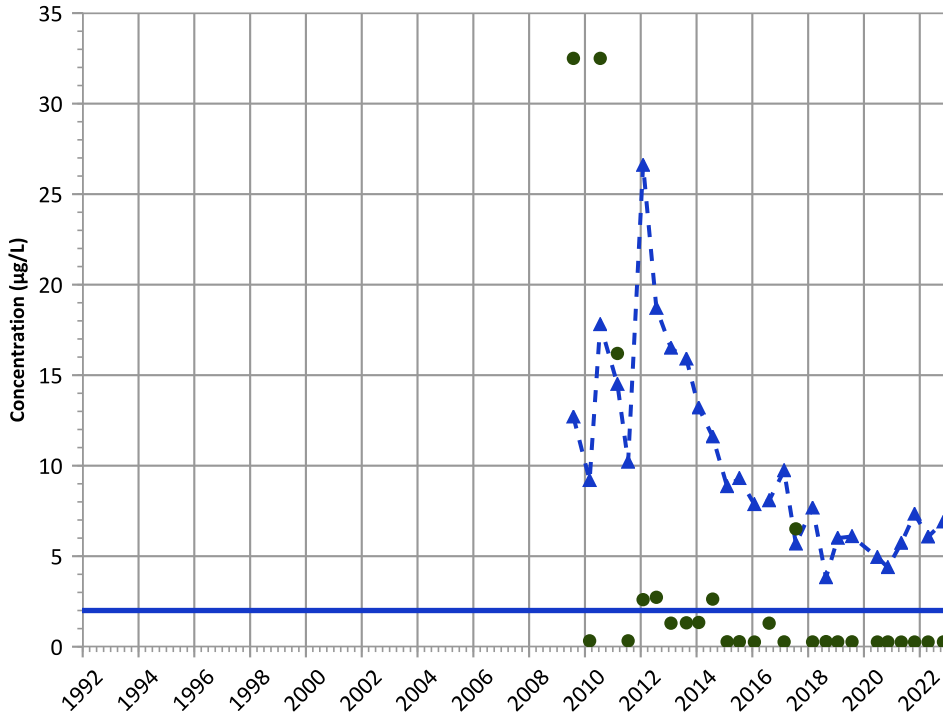
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

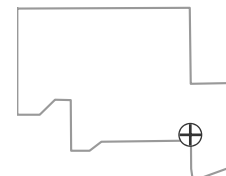
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Well Location

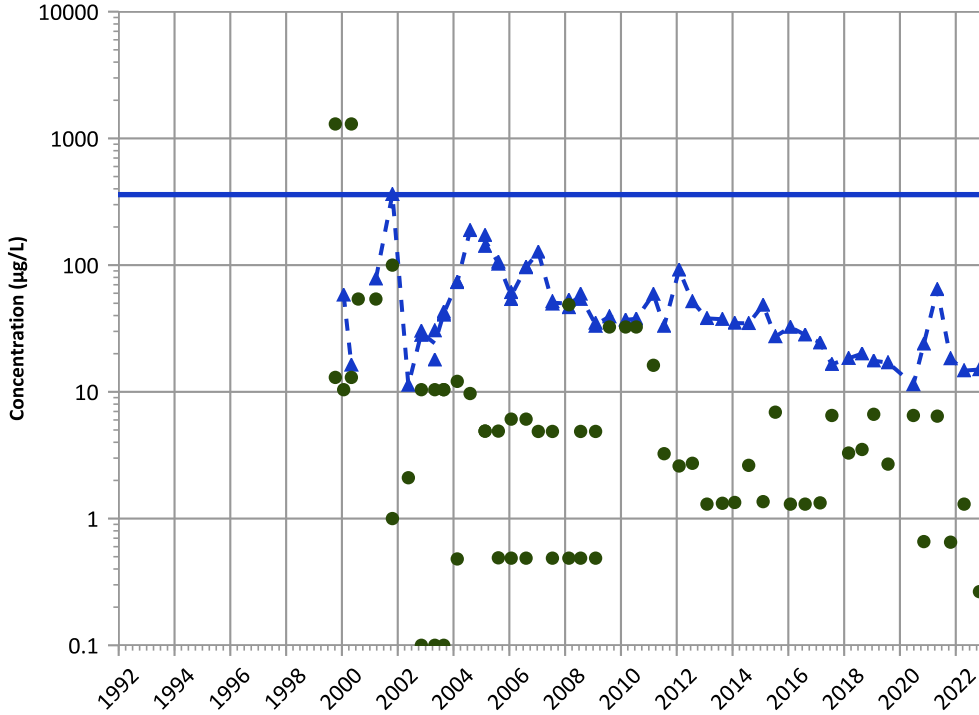


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

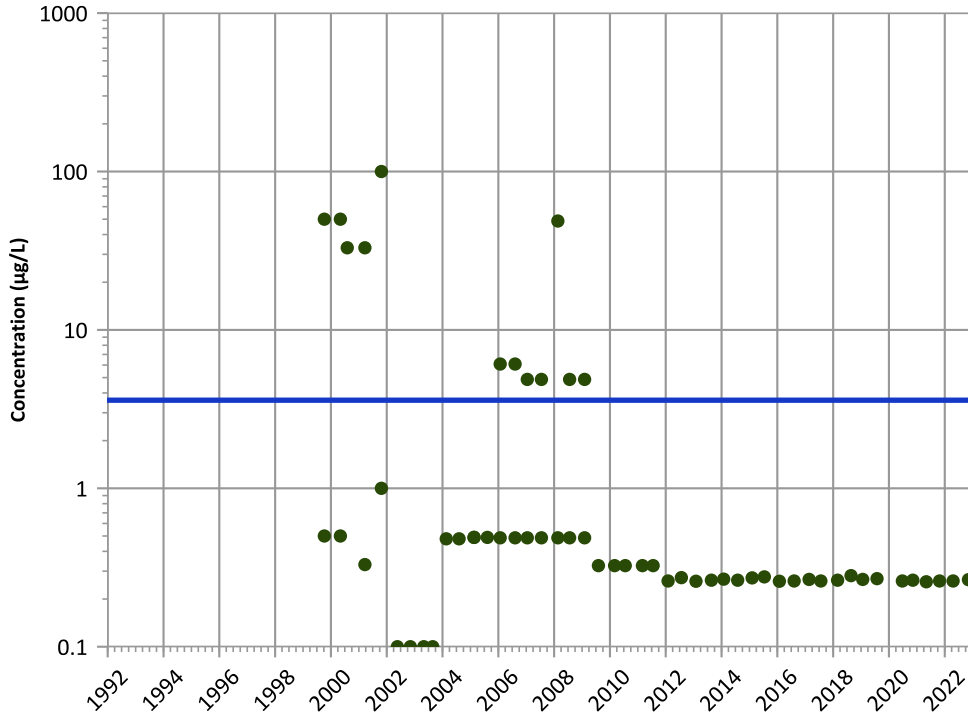


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

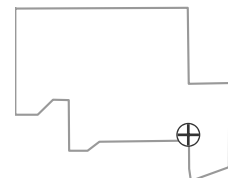
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

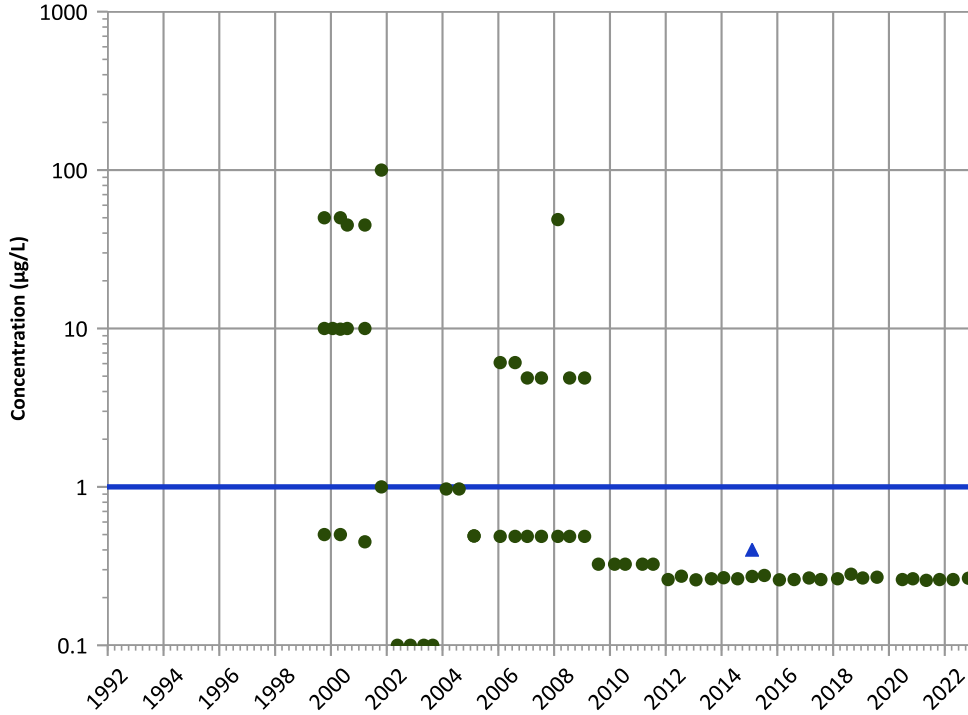
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

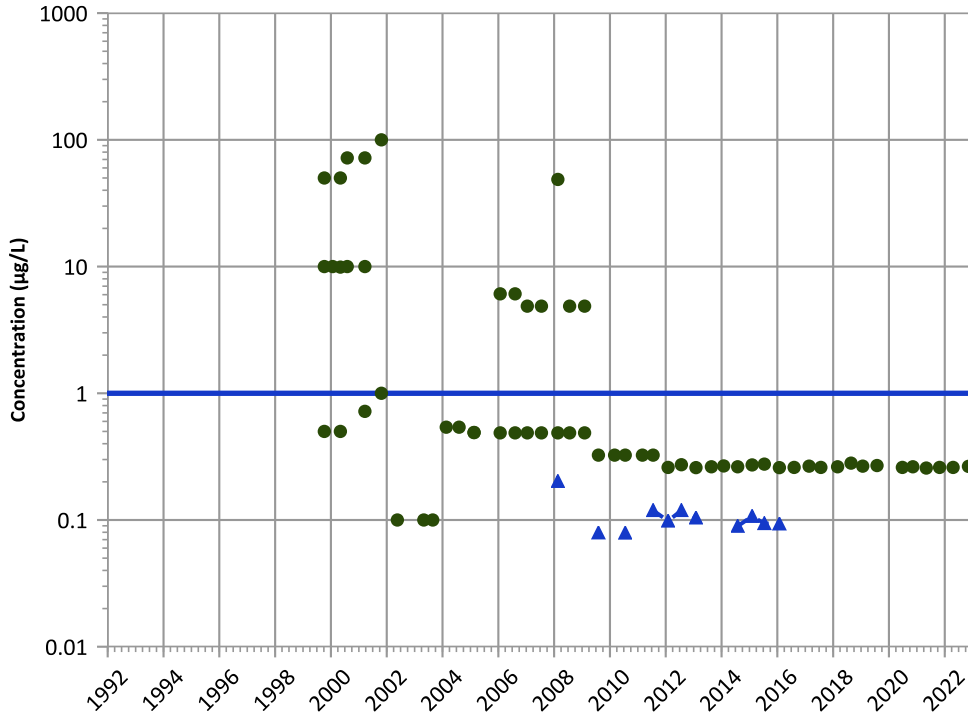


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

2,6-Dinitrotoluene Trend



Concentration Trend

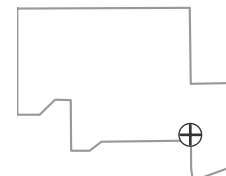
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

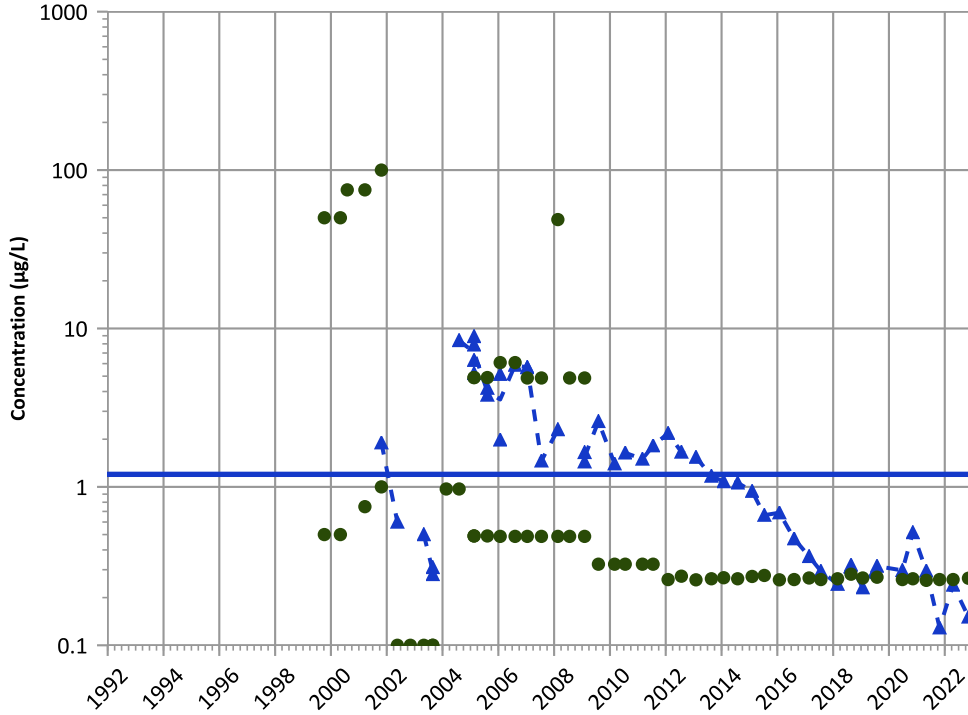
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

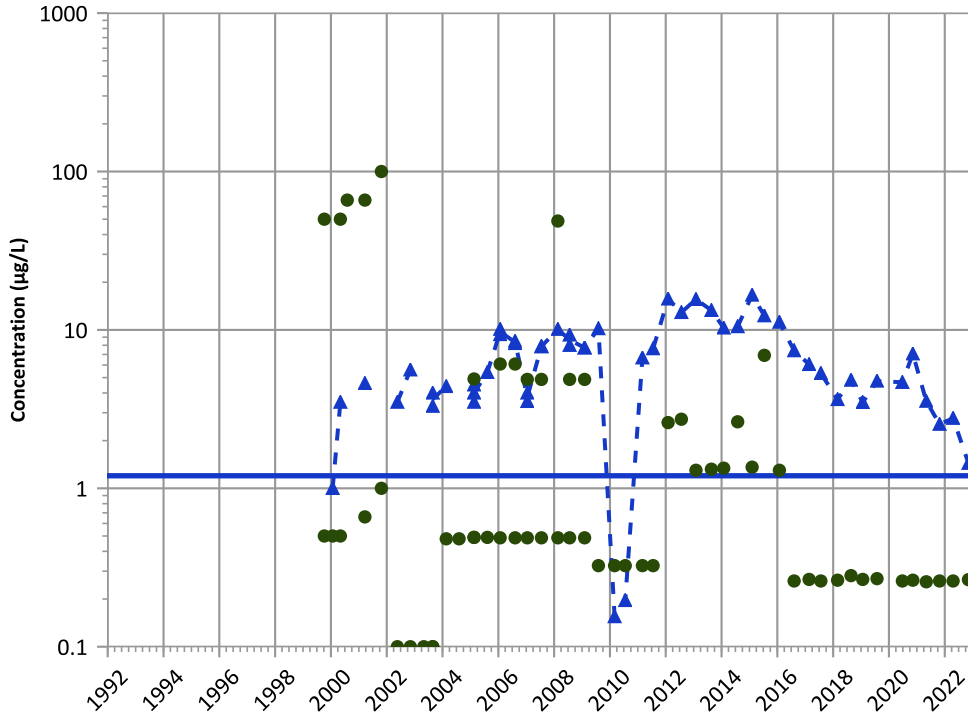
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

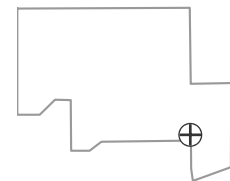
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

Well Location



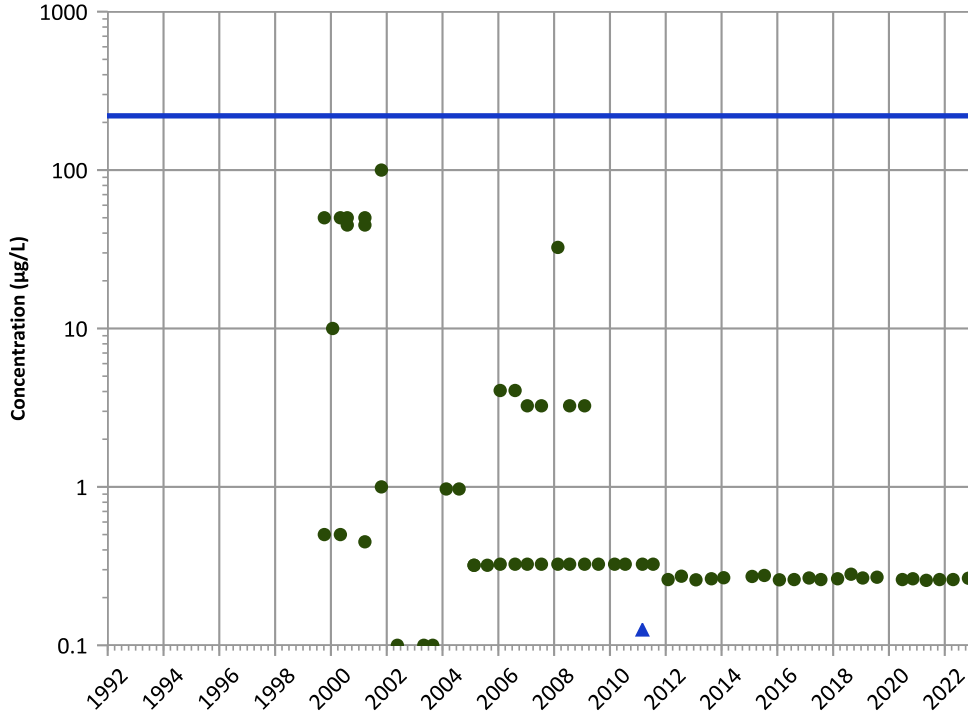
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

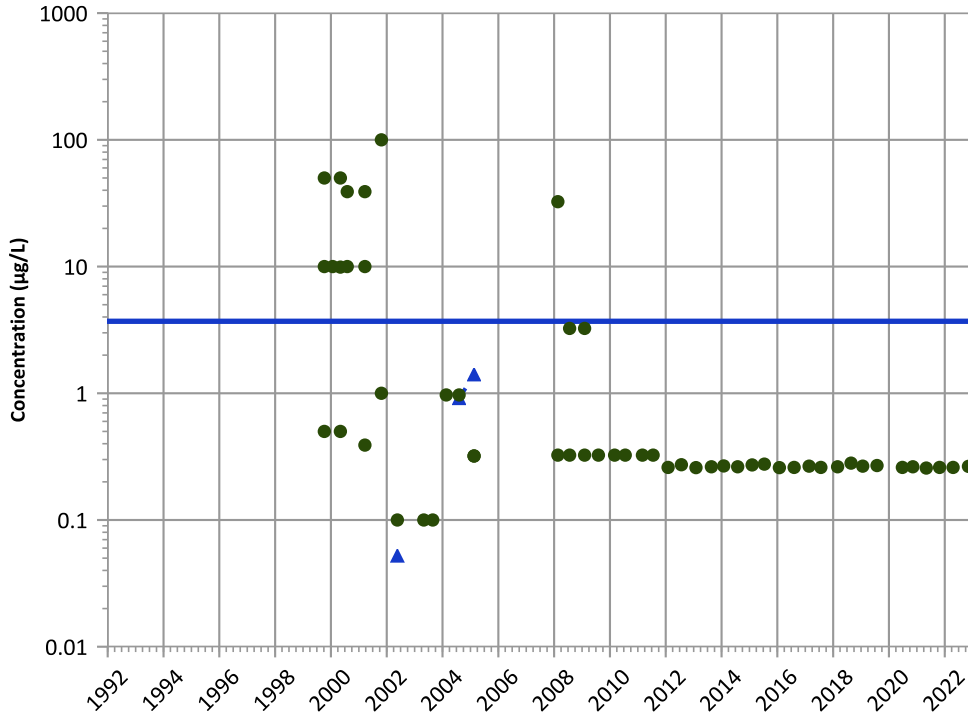


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

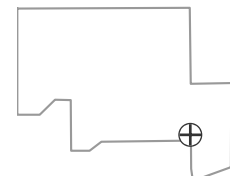
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

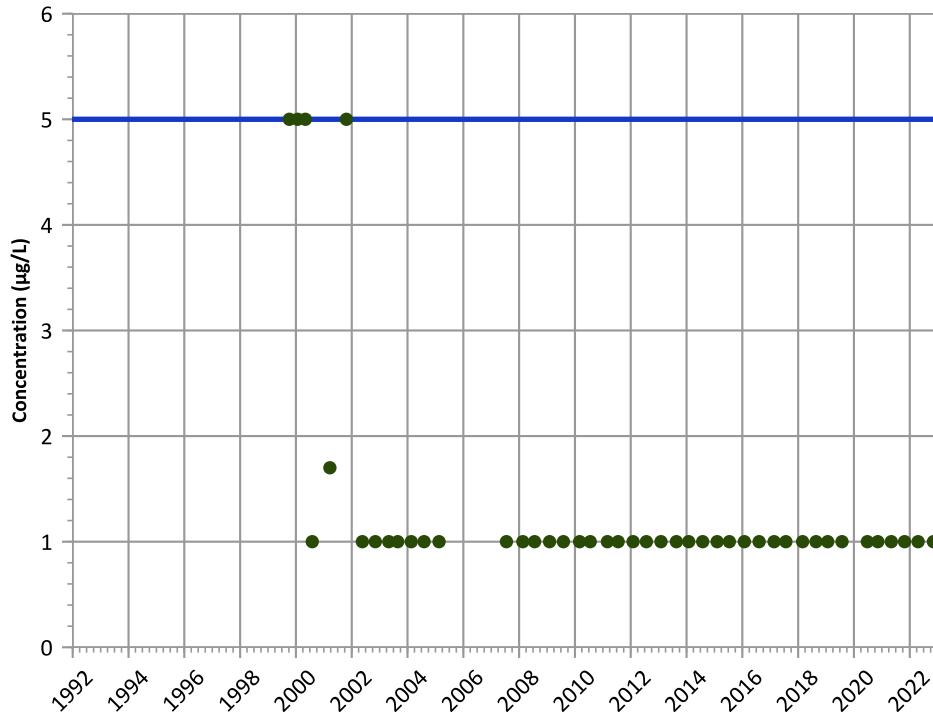
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

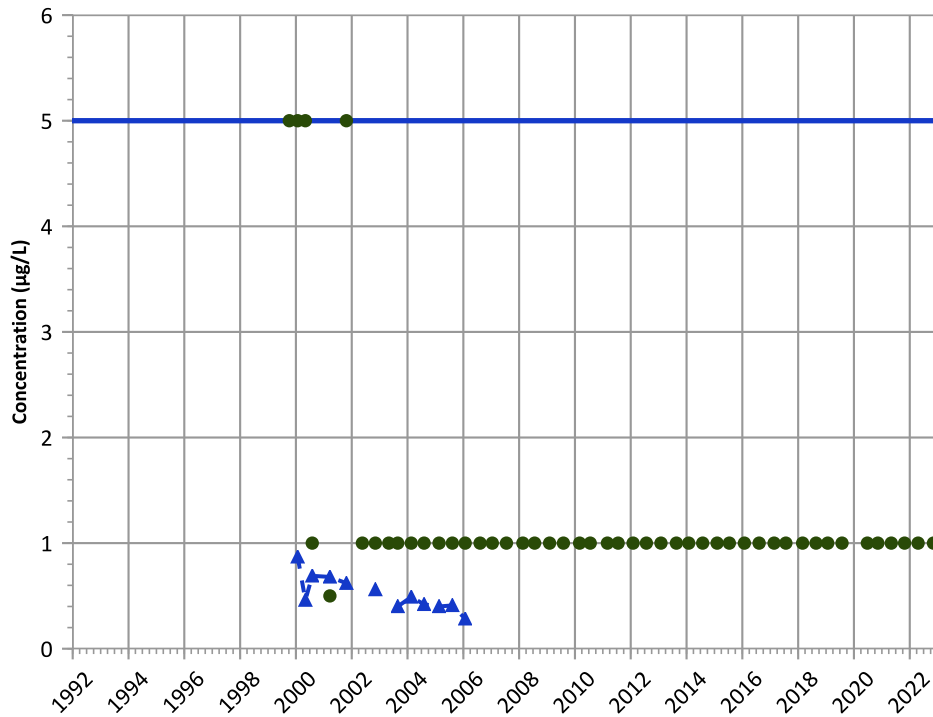
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

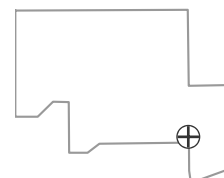
2020 - 2022 Data:

Decreasing

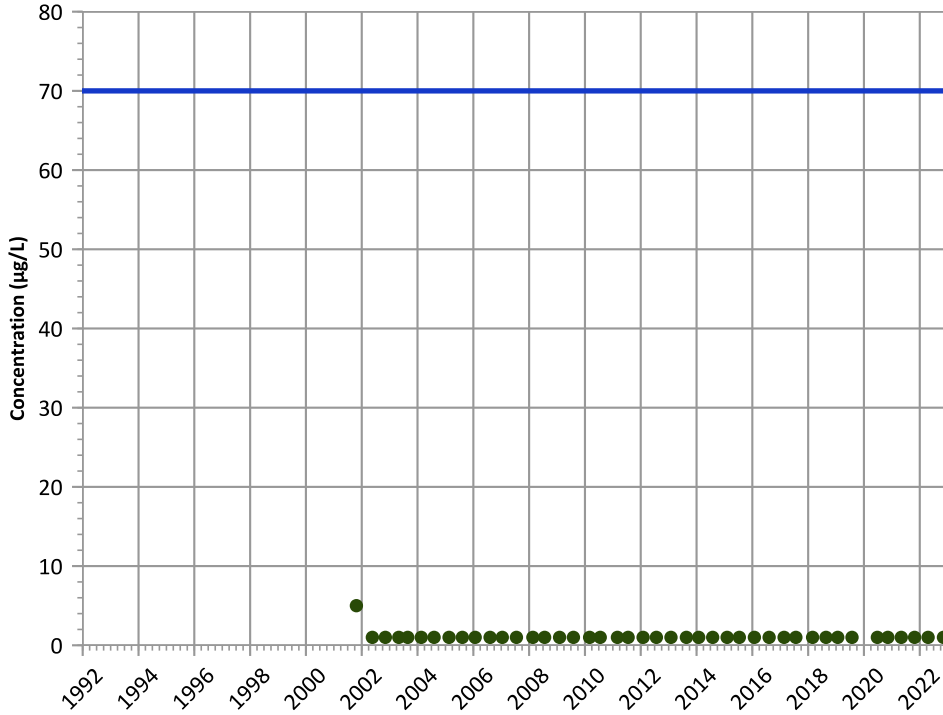
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

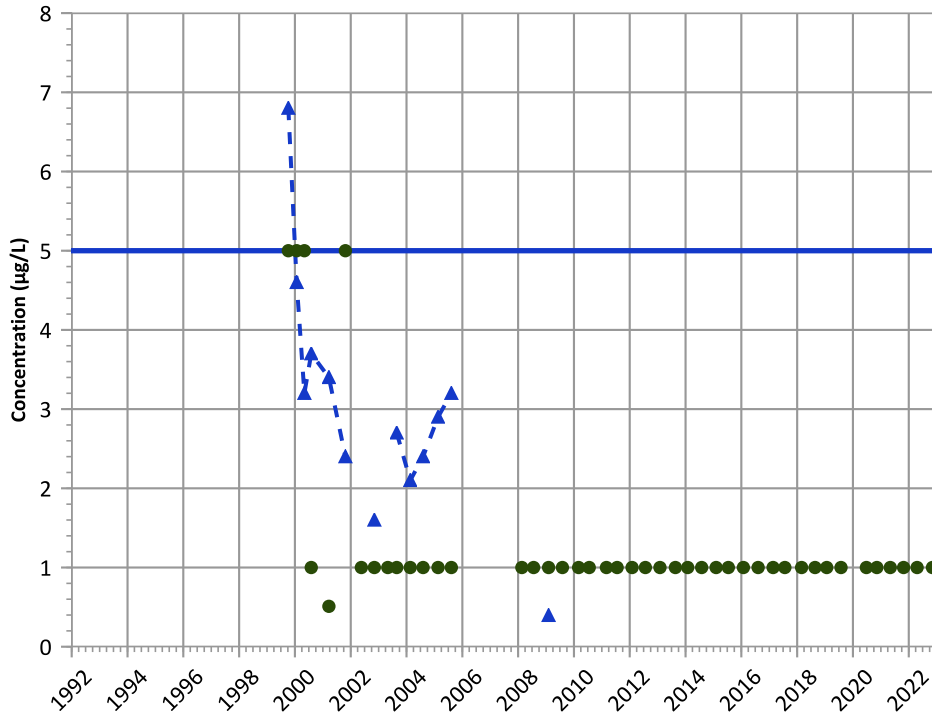
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

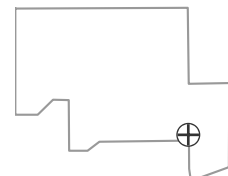
2020 - 2022 Data:

Stable

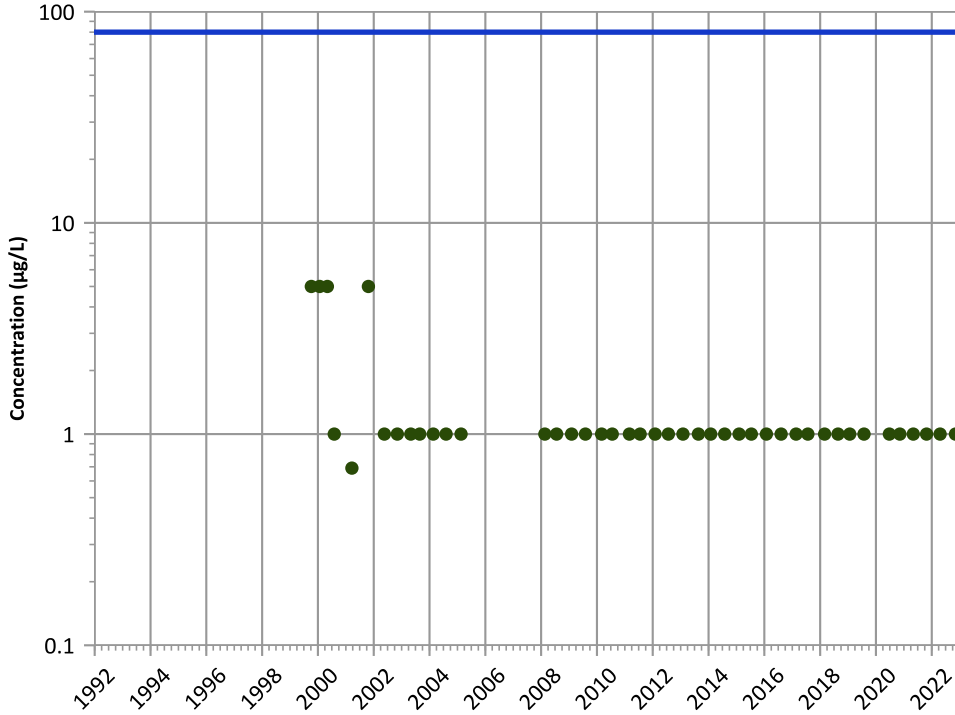
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

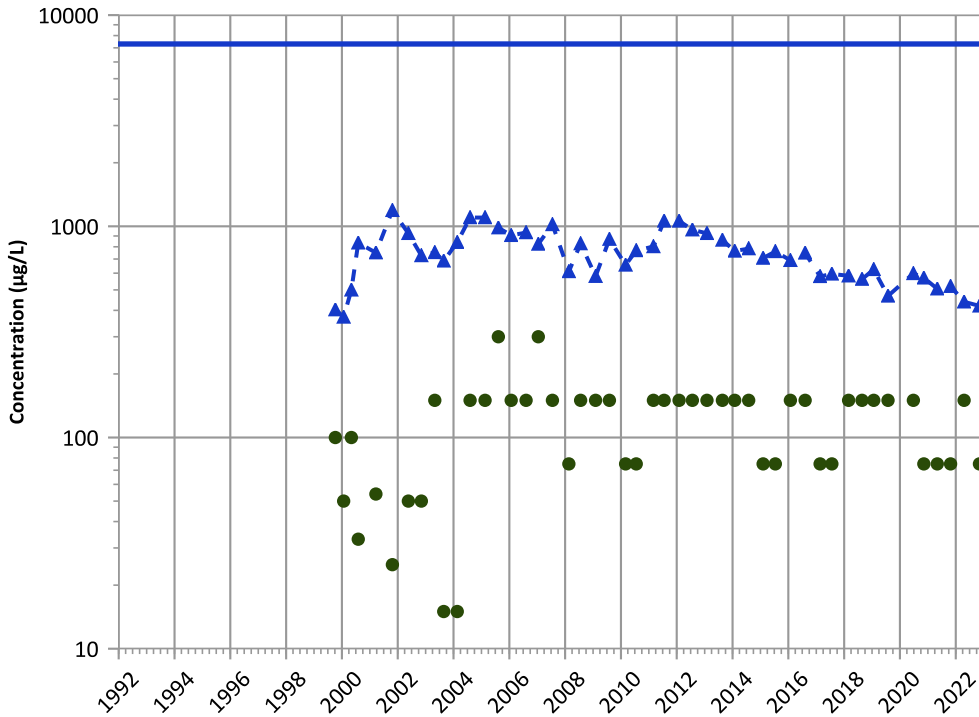


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

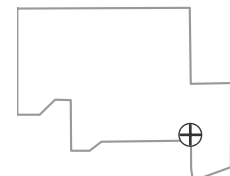
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

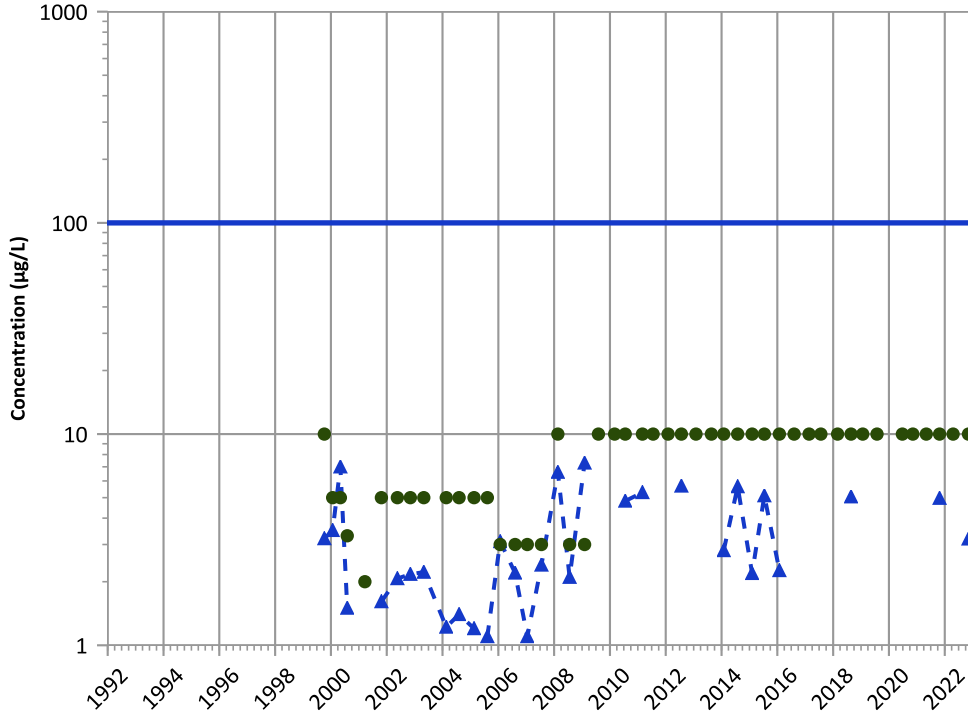
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

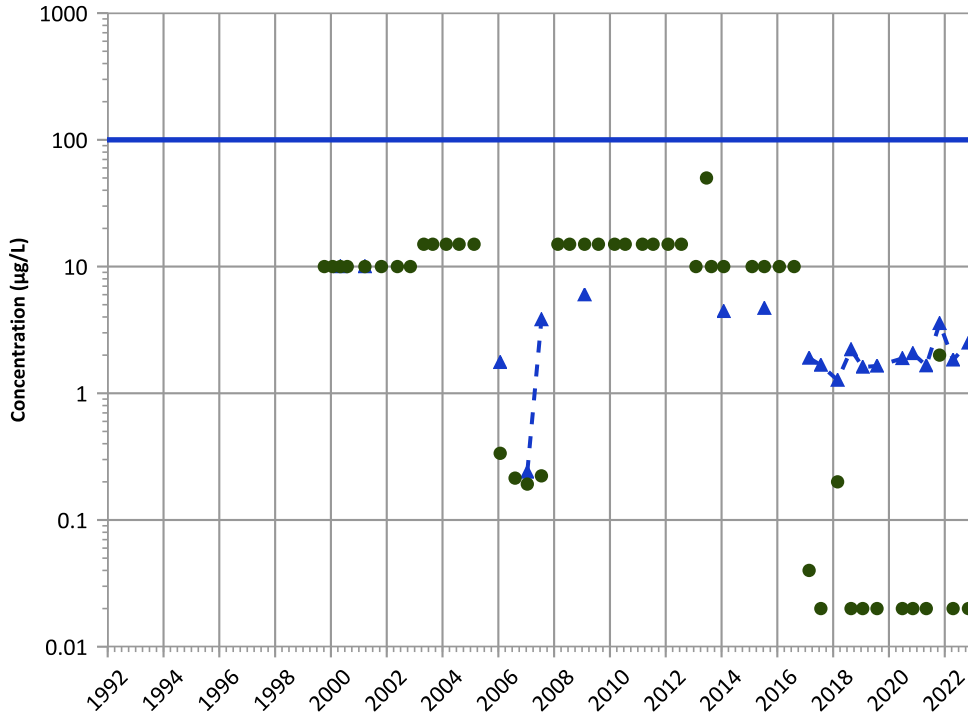
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

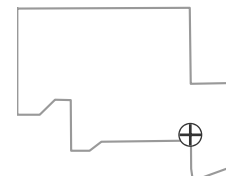
2020 - 2022 Data:

Stable

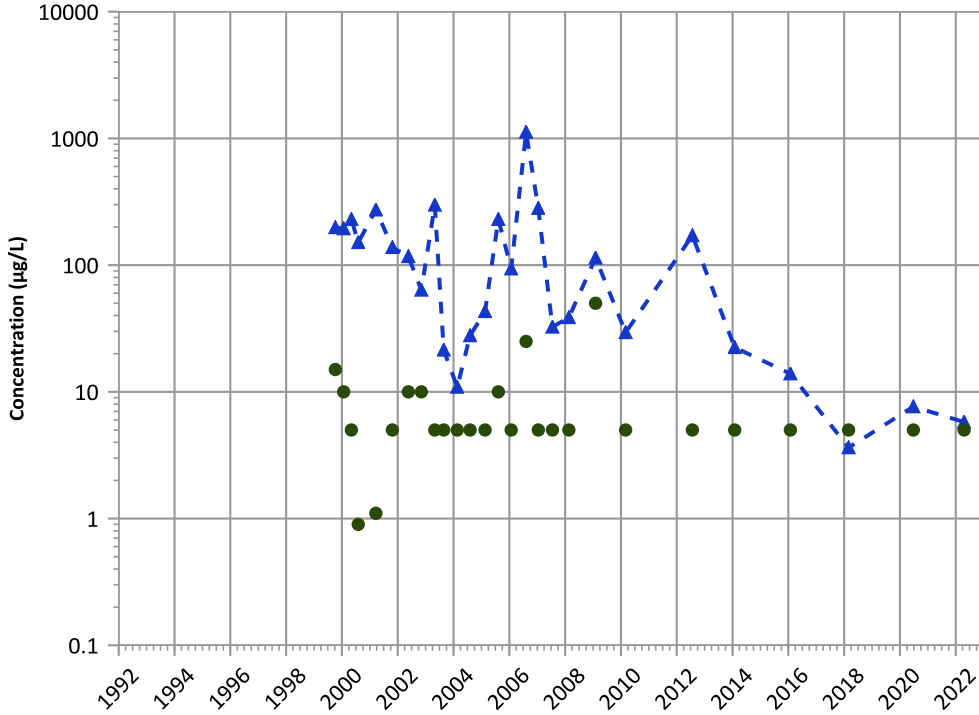
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend

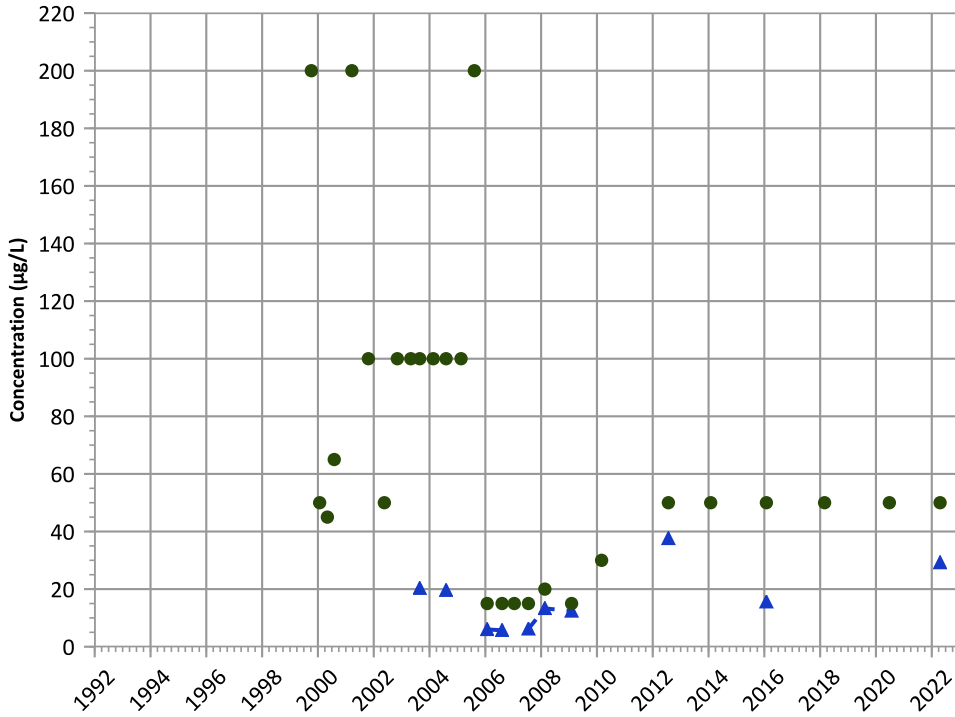


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

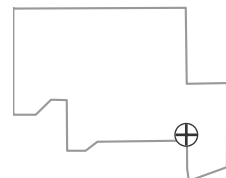
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

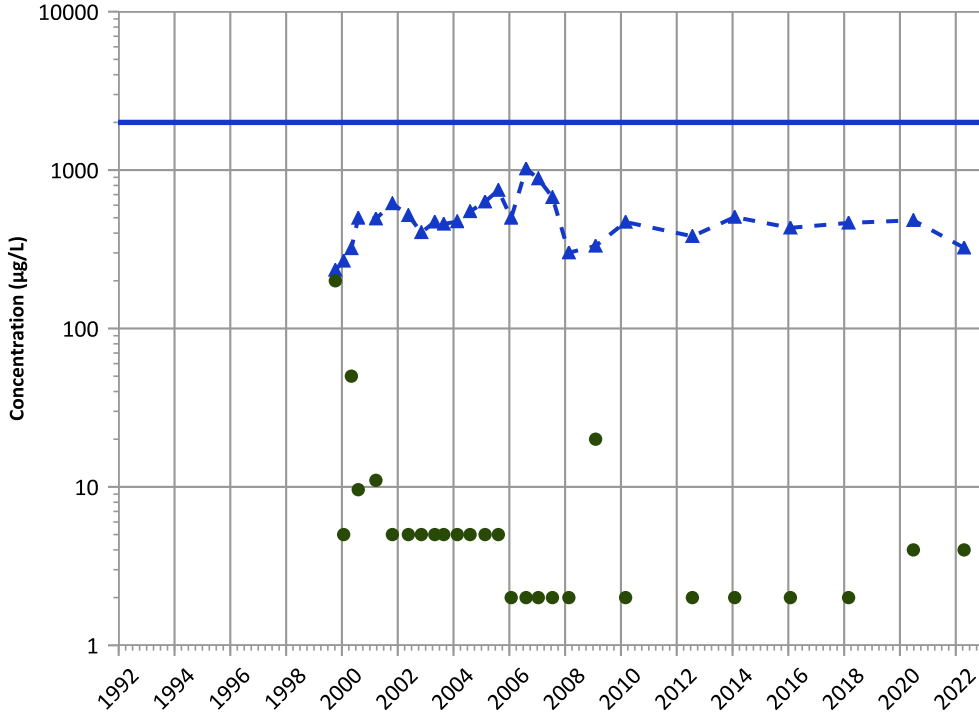
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

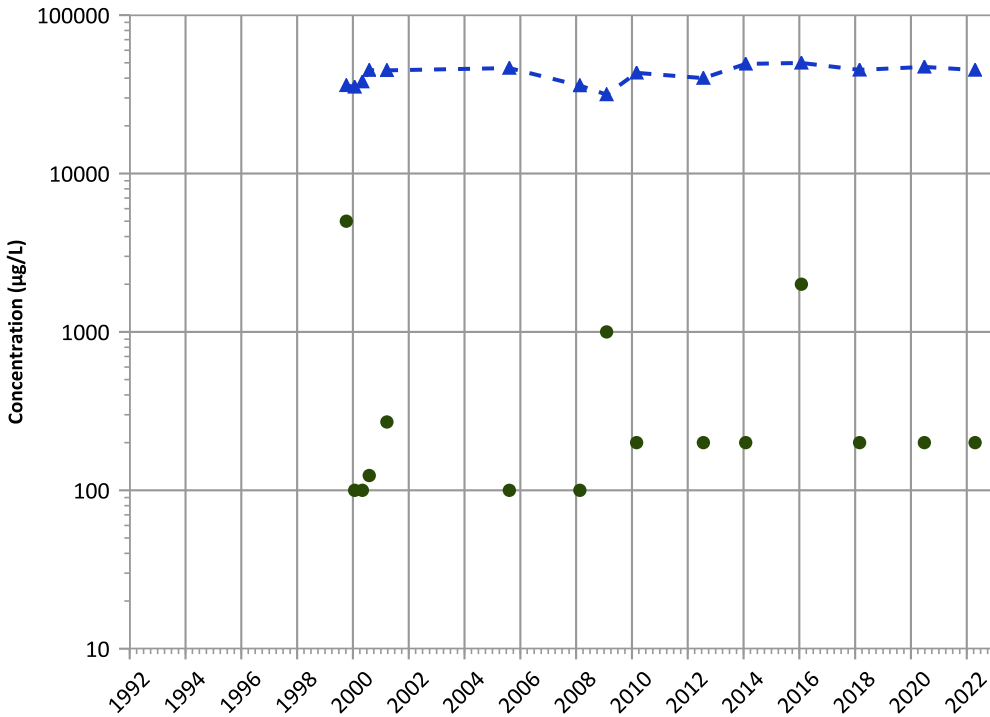


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Calcium Trend



Concentration Trend

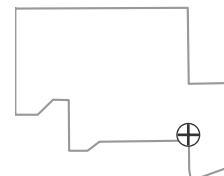
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

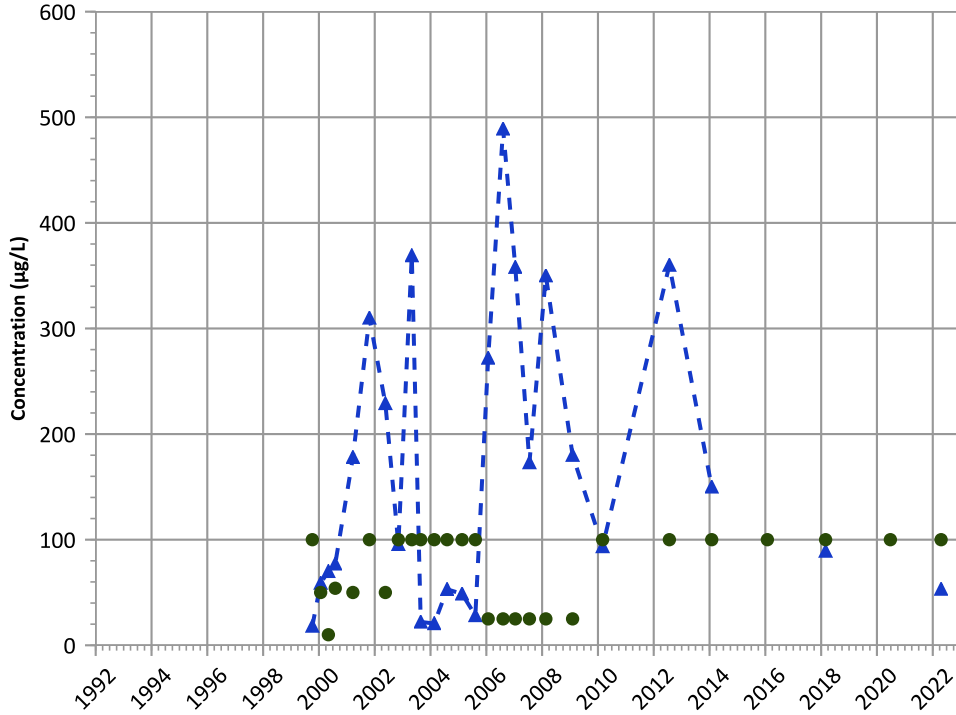
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

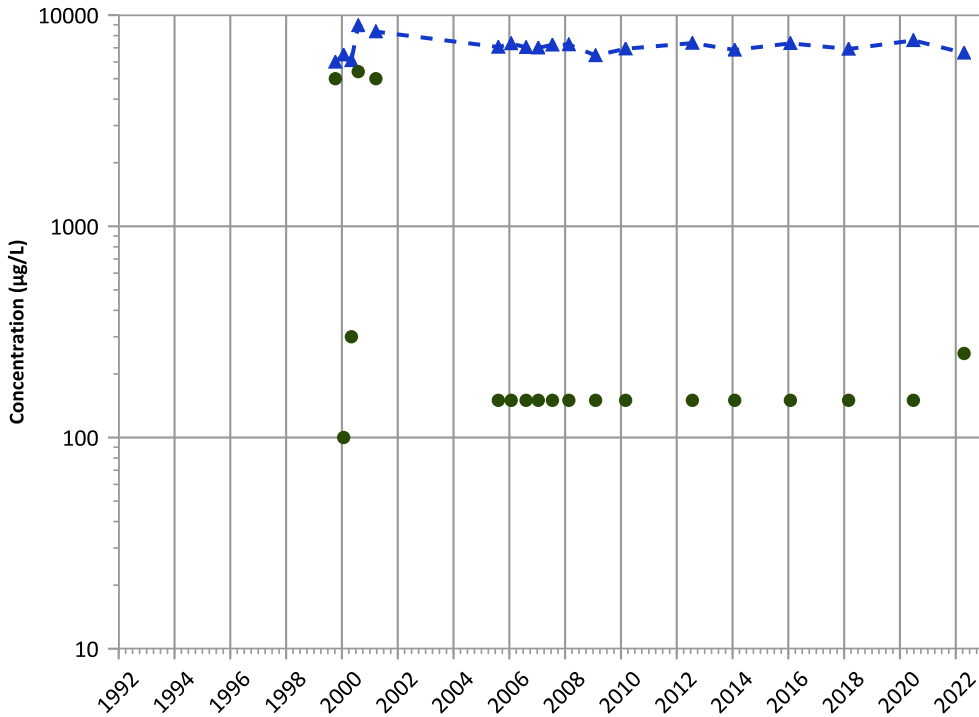
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

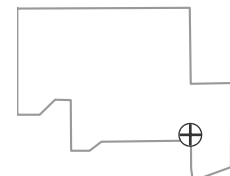
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location



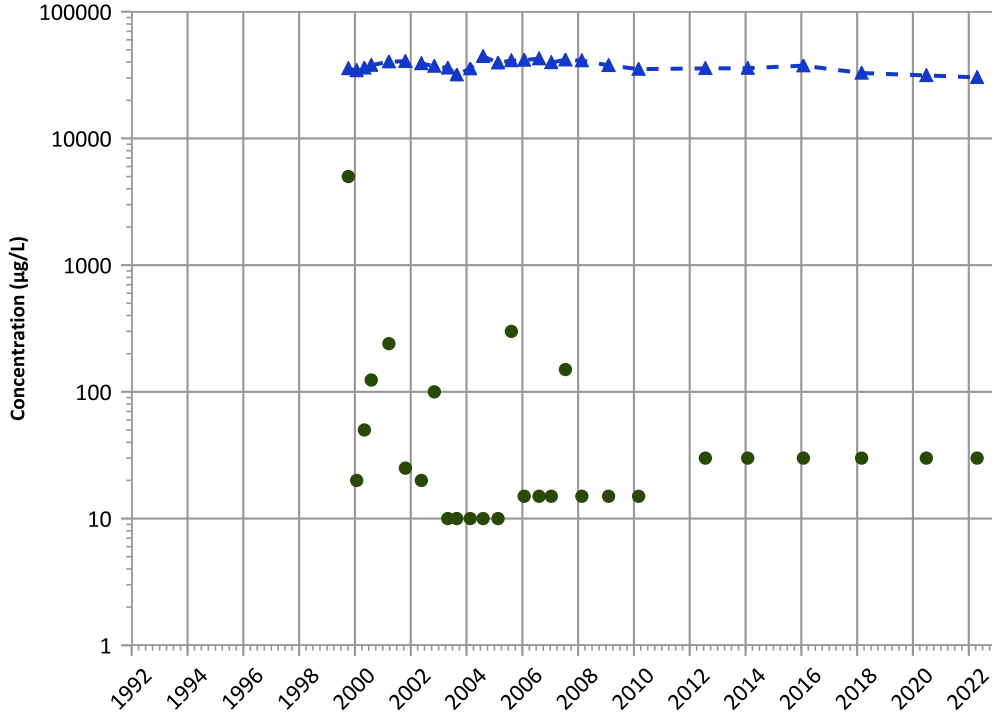
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

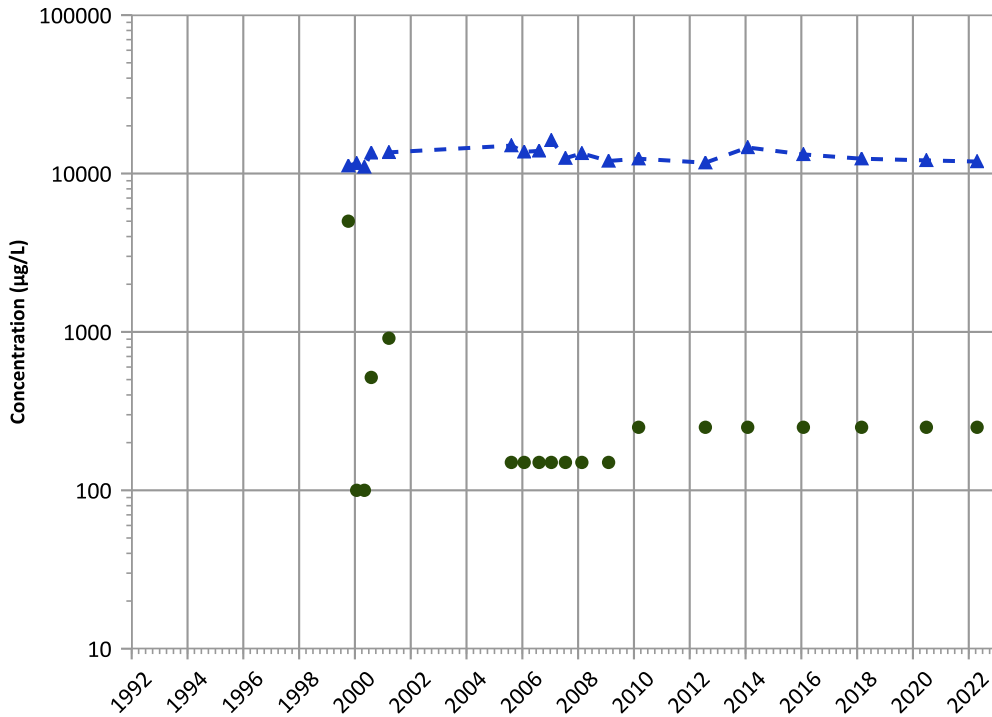


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Sodium Trend

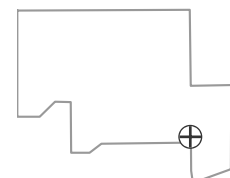


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

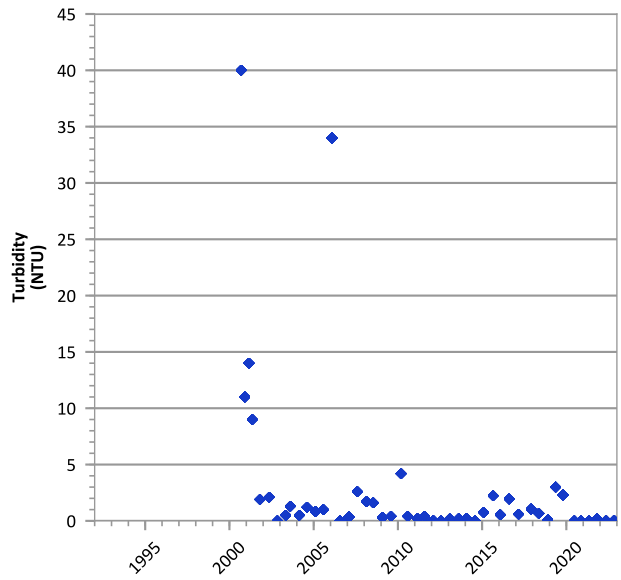
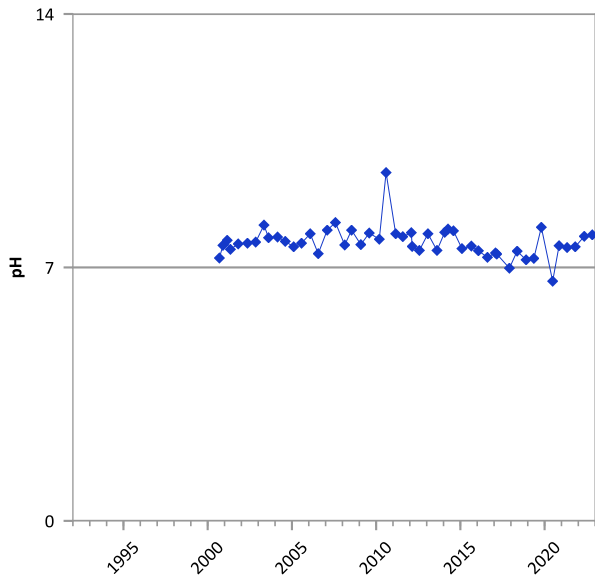
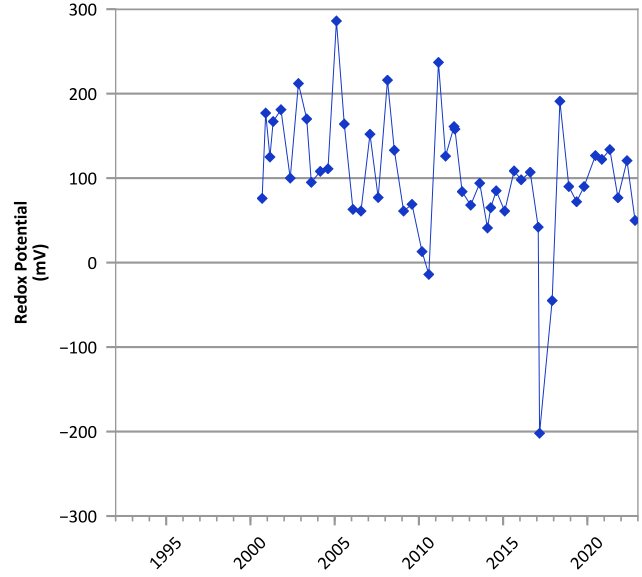
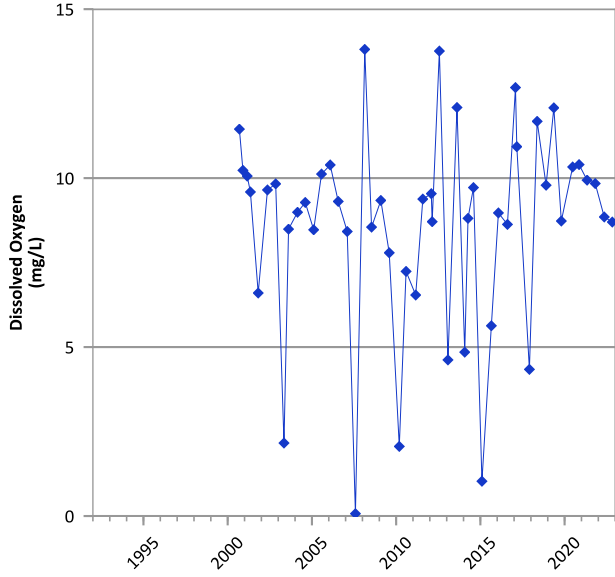
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/07/1999 to 11/07/2022  
Analysis Date: 04/27/2023

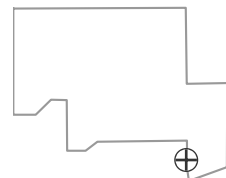
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



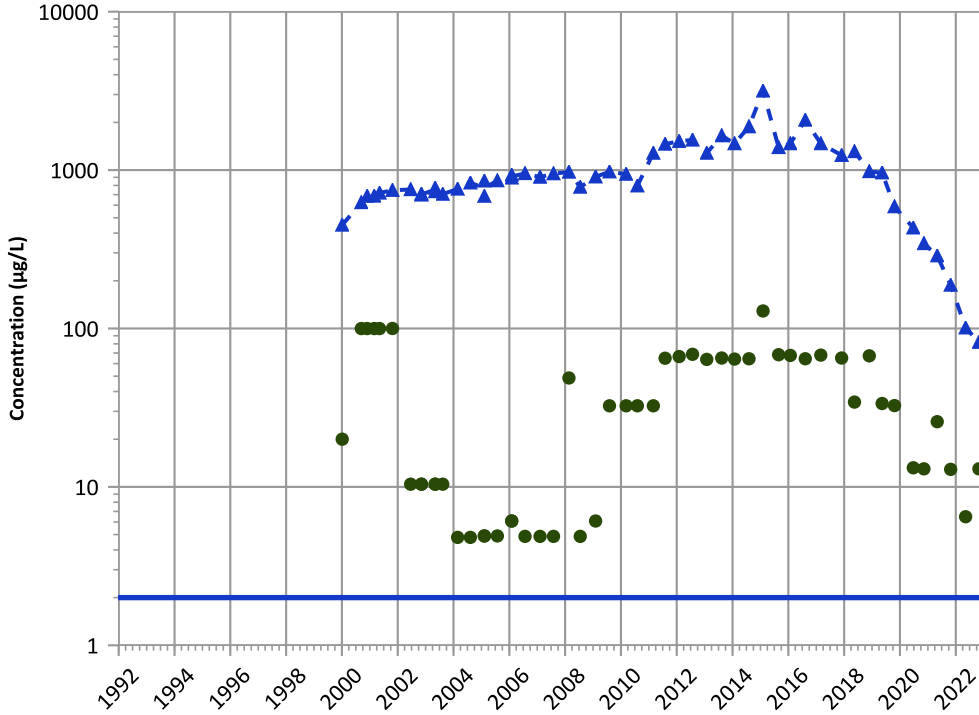
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/05/2000 to 10/31/2022  
 Analysis Date: 04/27/2023

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

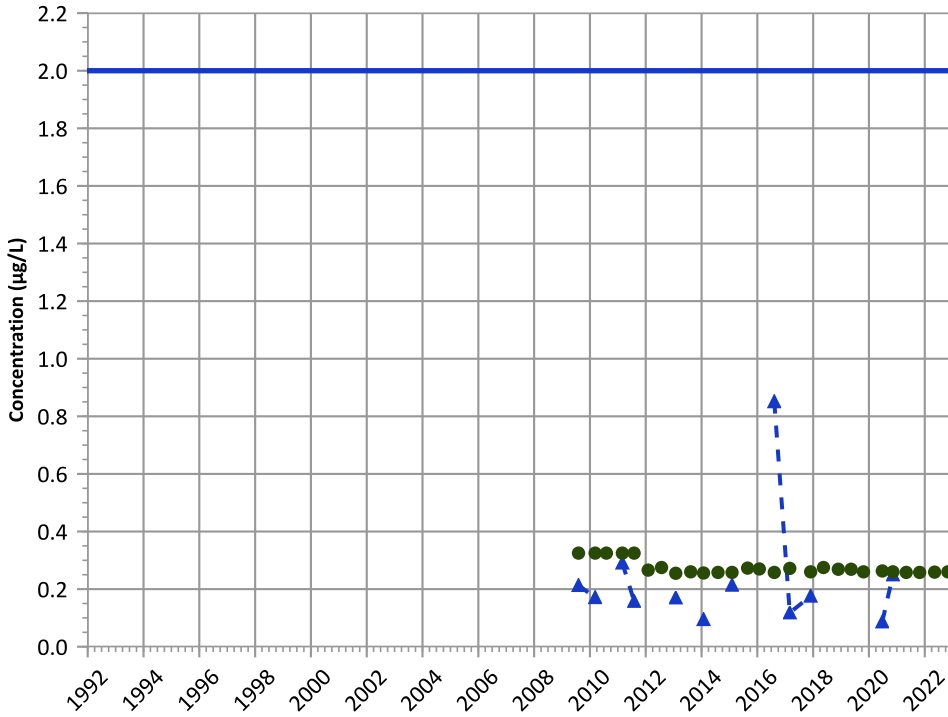


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

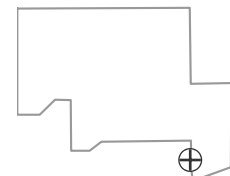


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Well Location

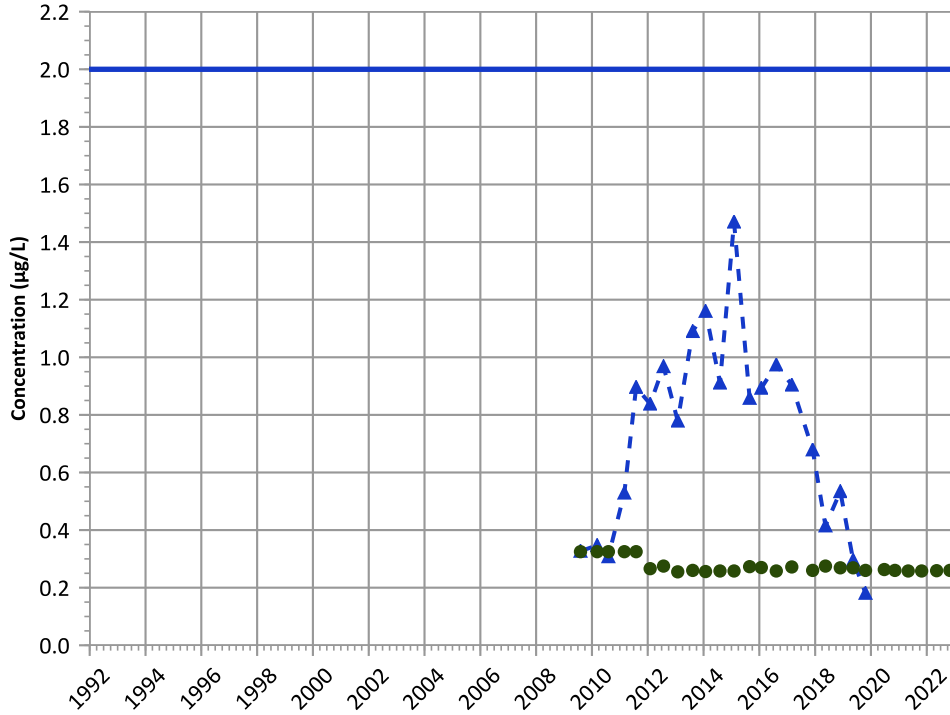


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

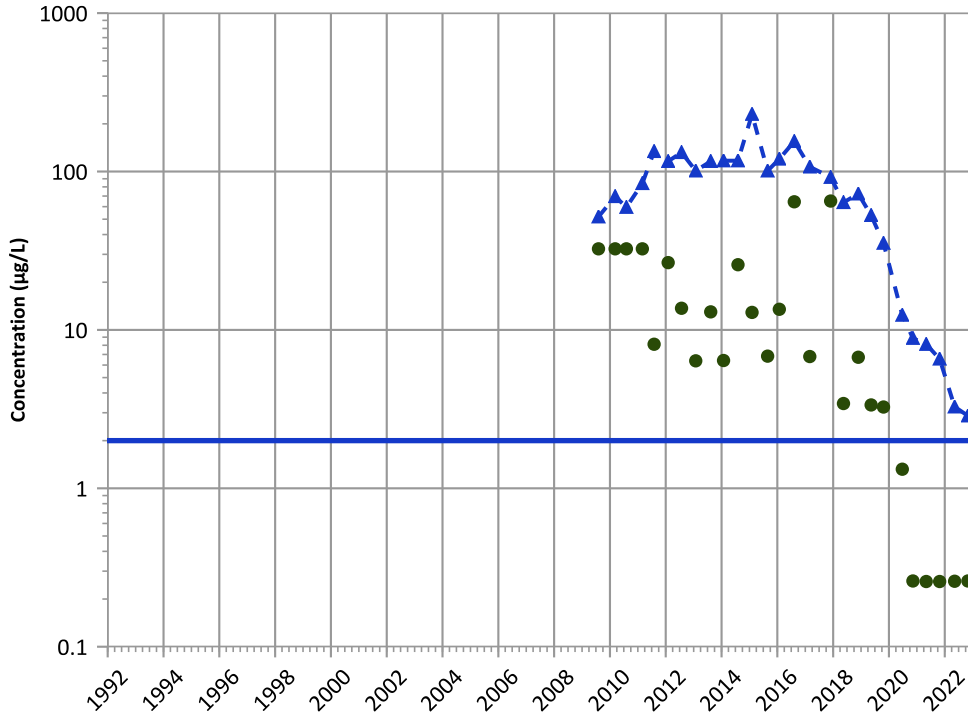


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

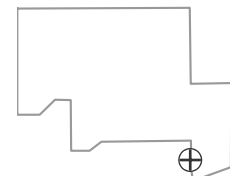
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

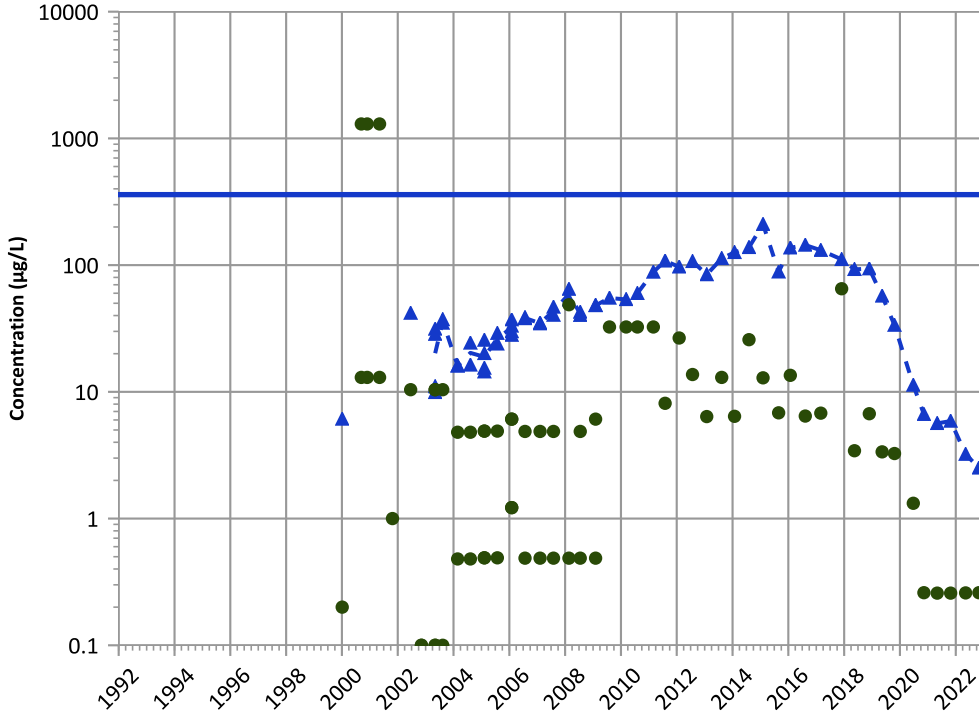
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

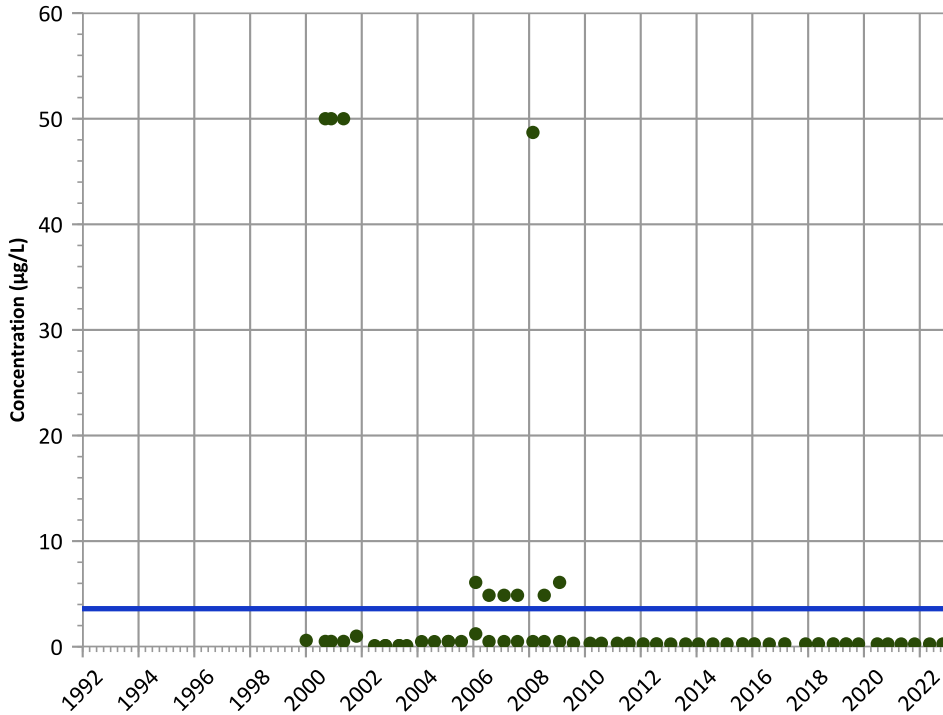


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

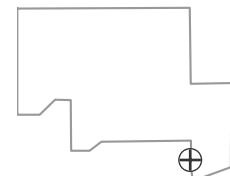
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

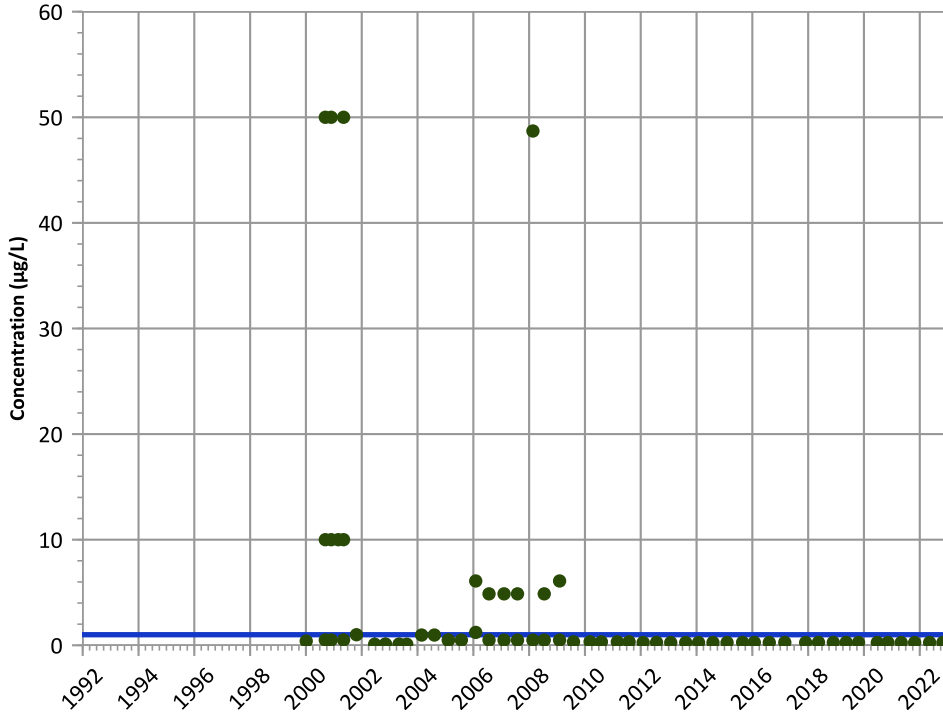
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

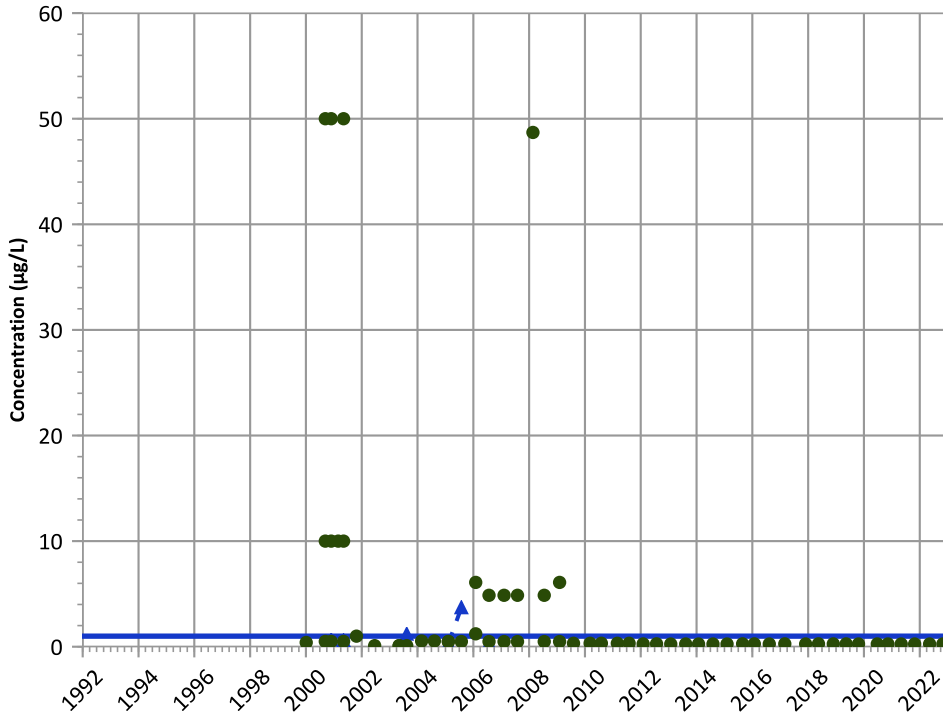


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

2,6-Dinitrotoluene Trend



Concentration Trend

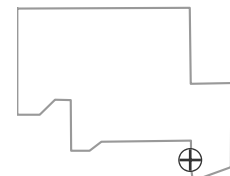
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

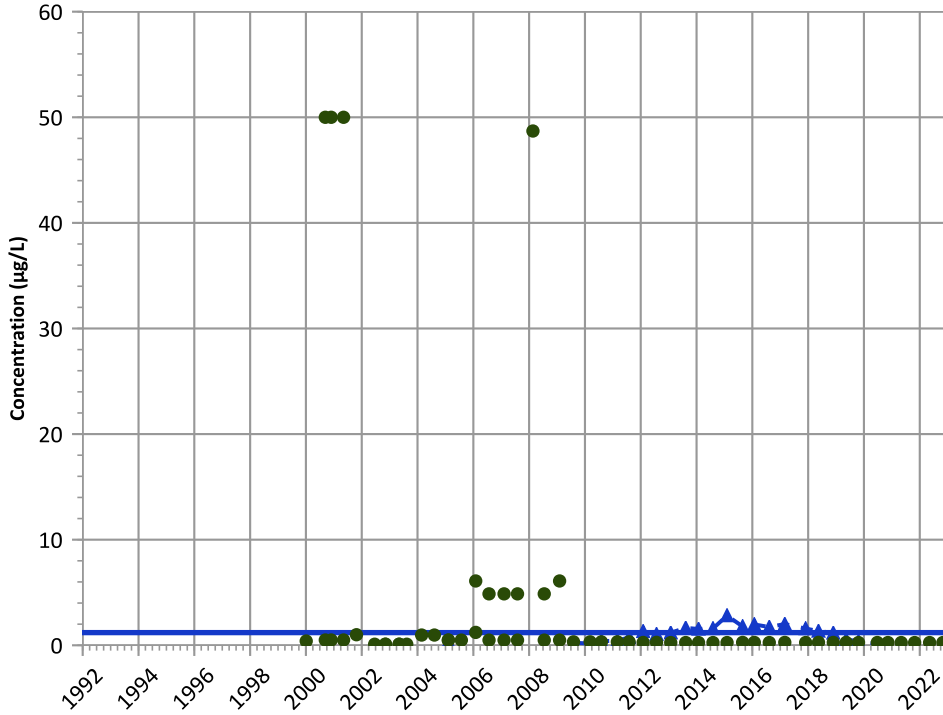
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

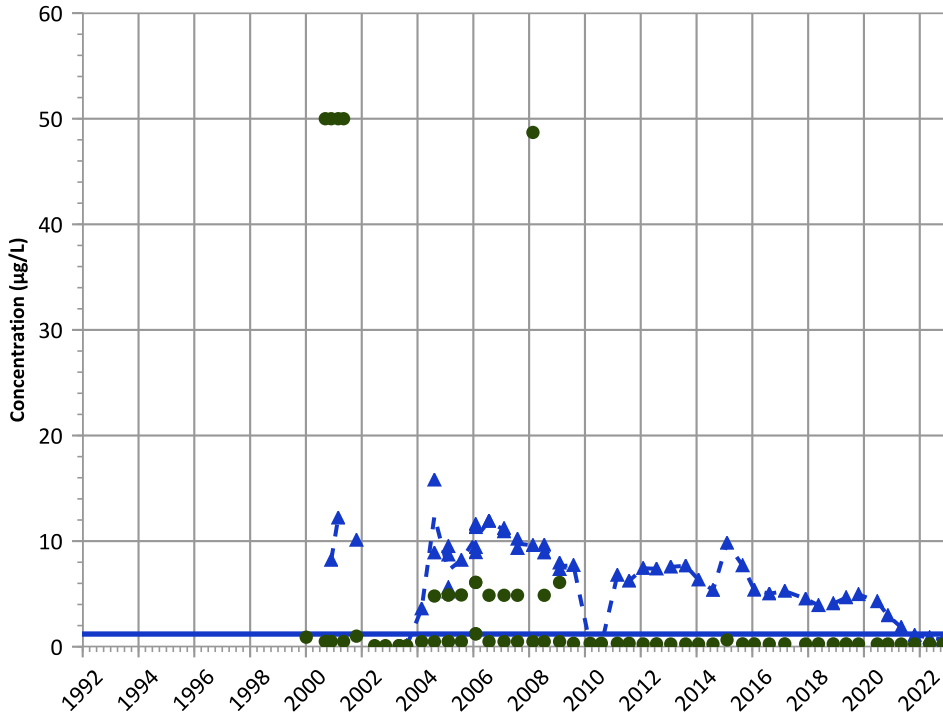


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

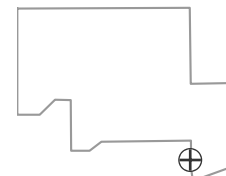
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

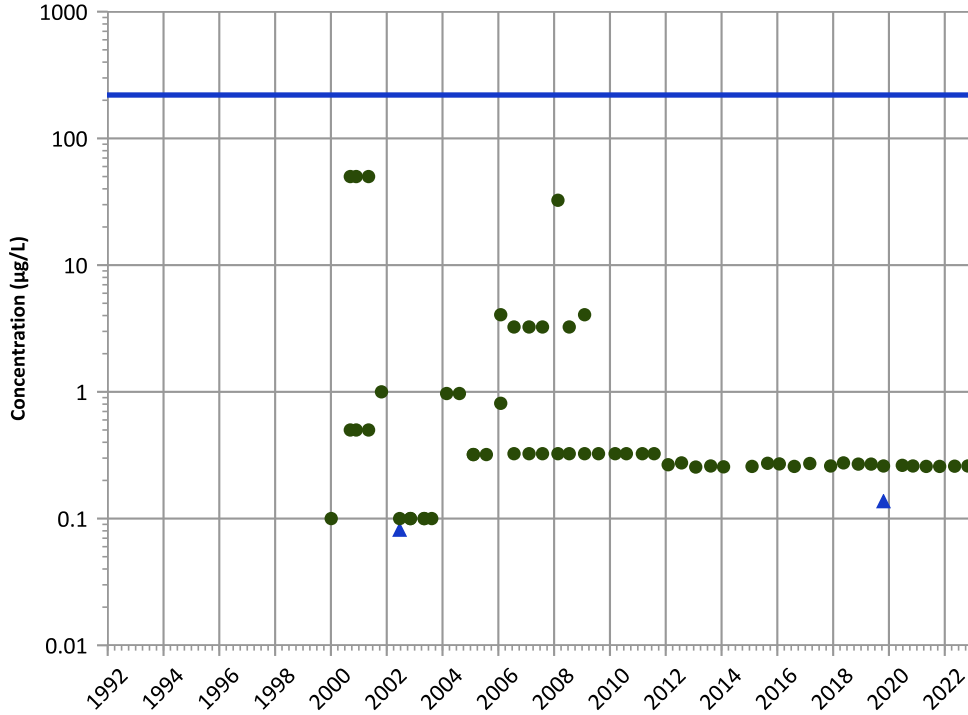
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

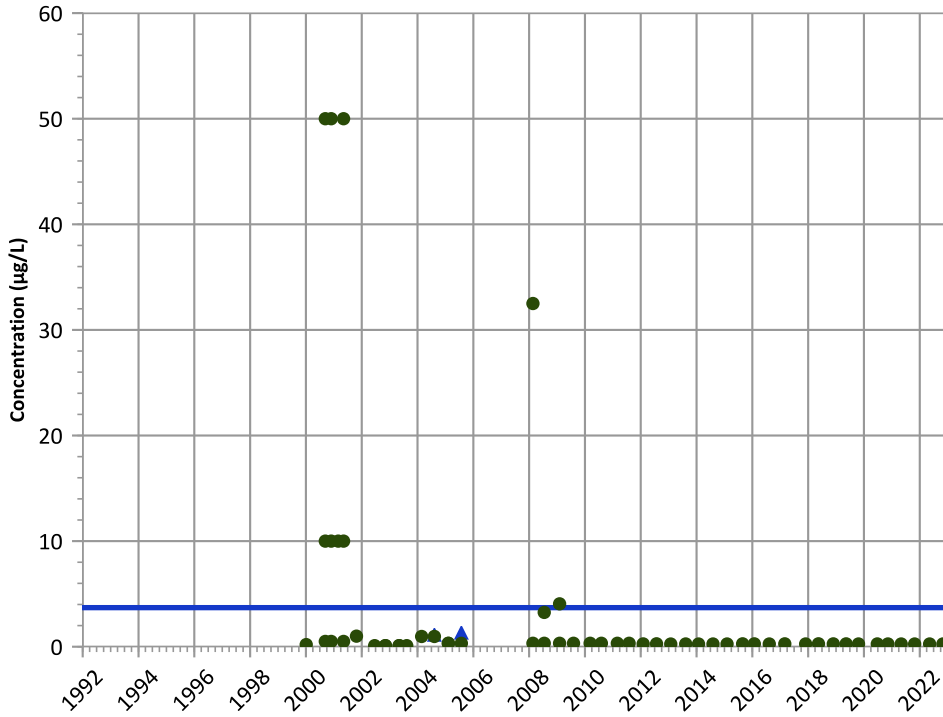


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

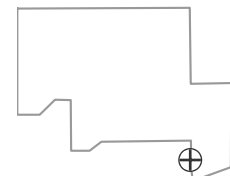
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

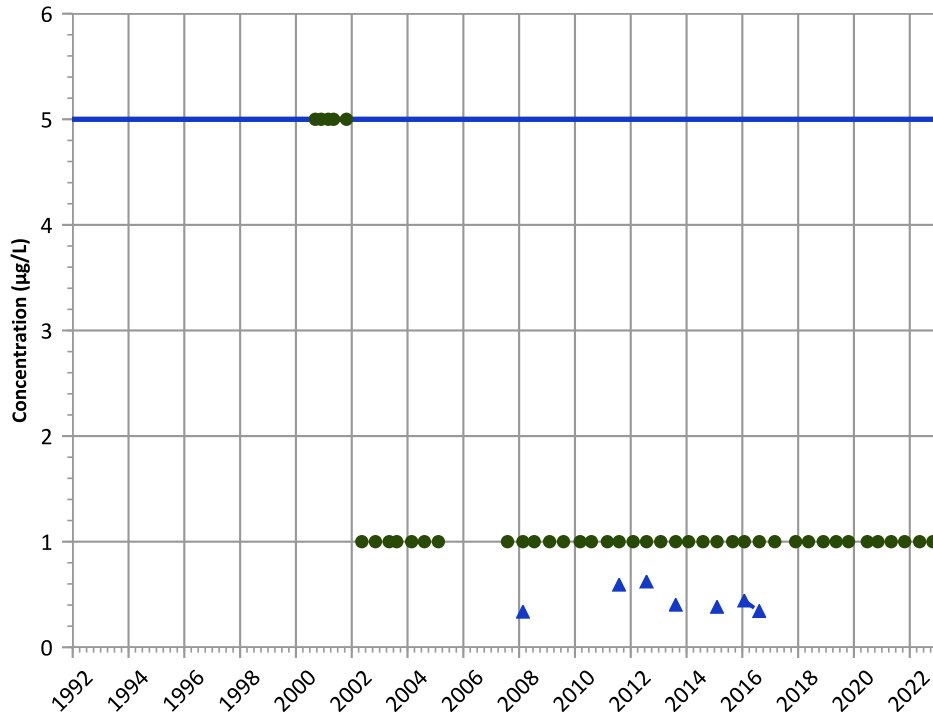
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

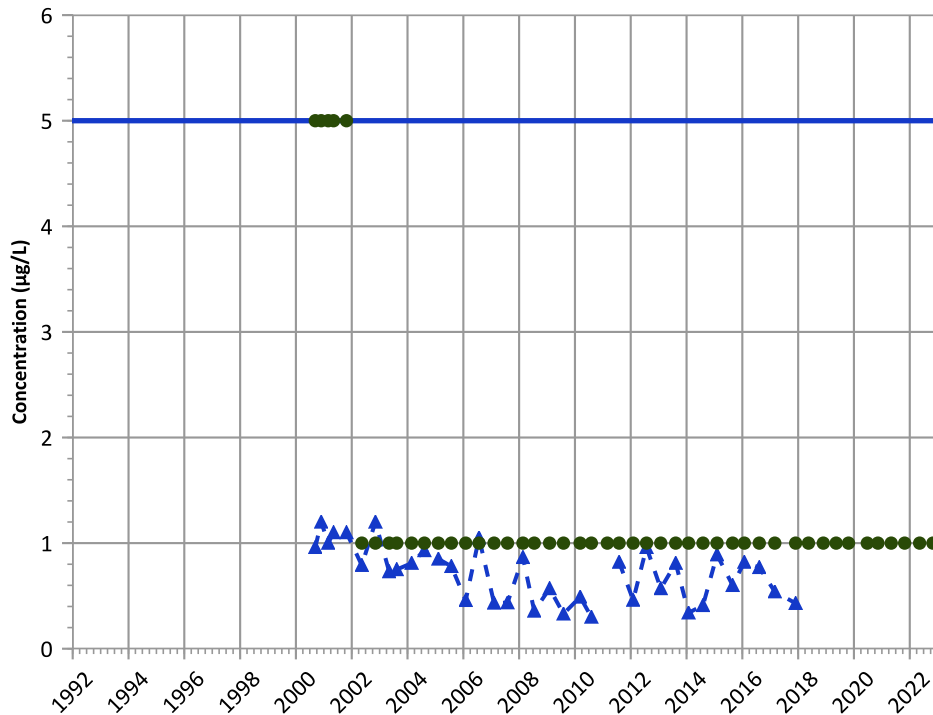


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

**Trichloroethene Trend**



**Concentration Trend**

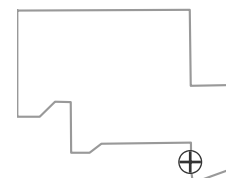
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

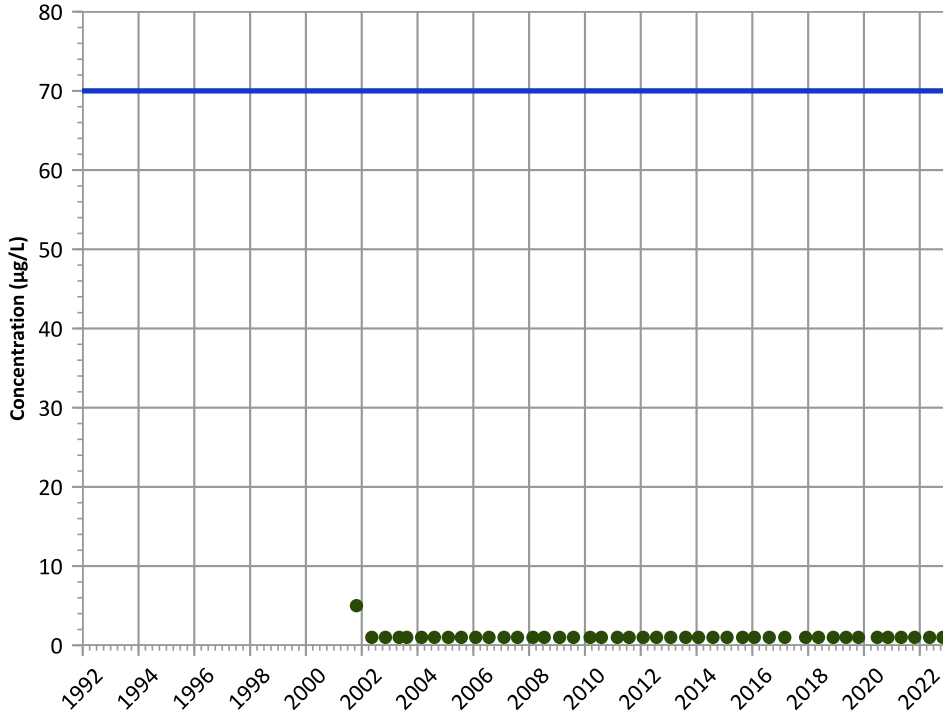
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

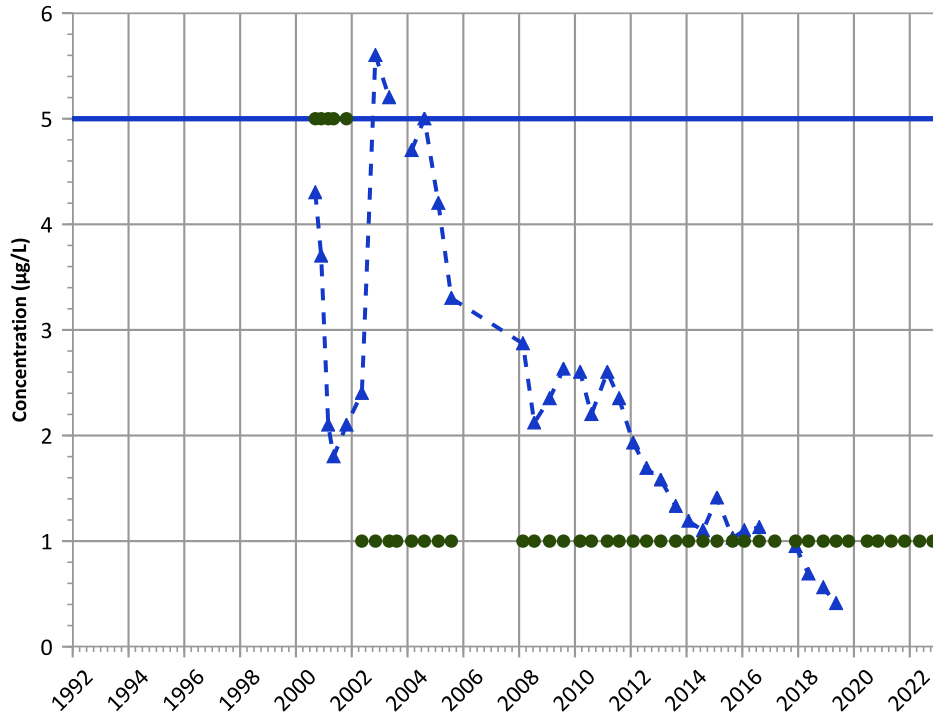
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

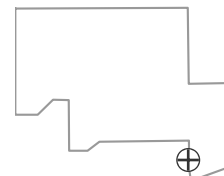
2020 - 2022 Data:

Decreasing

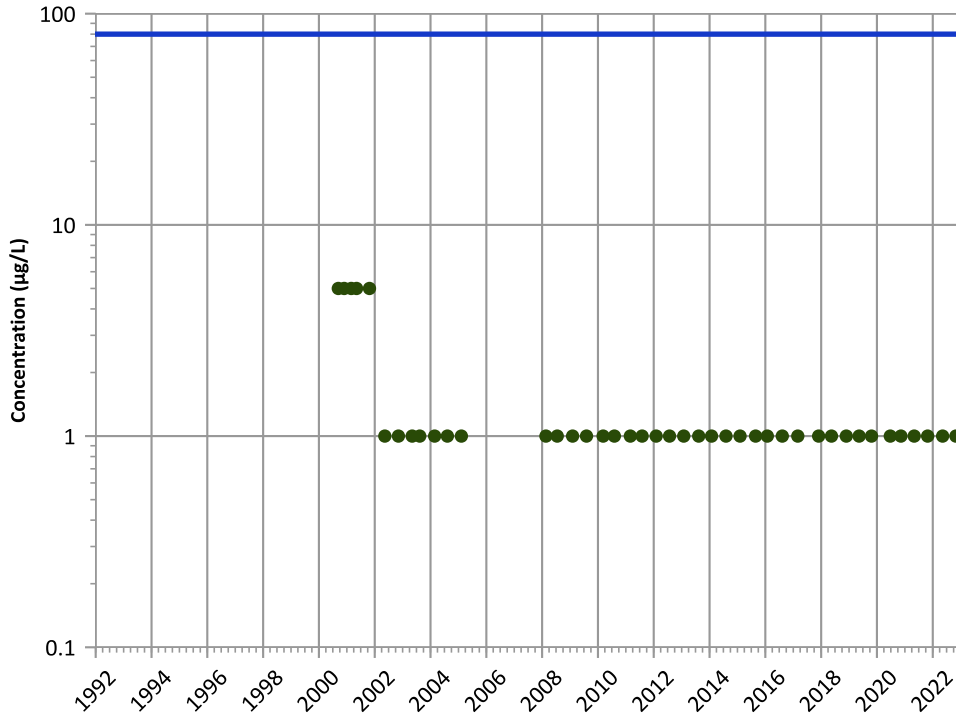
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

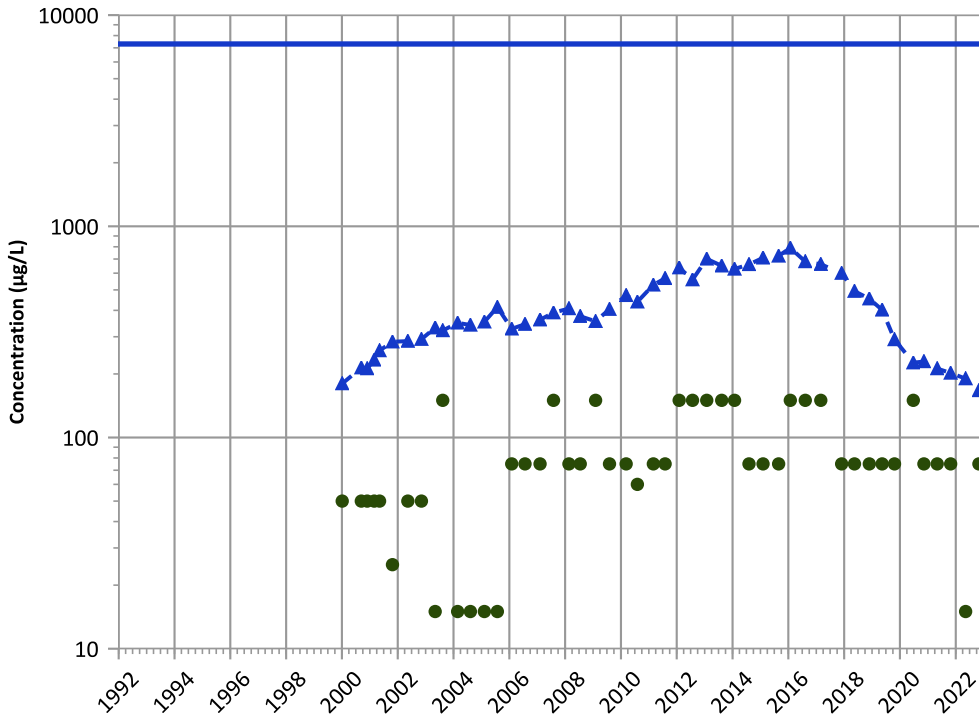


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

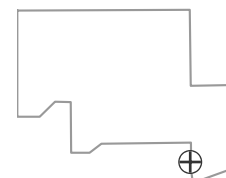
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

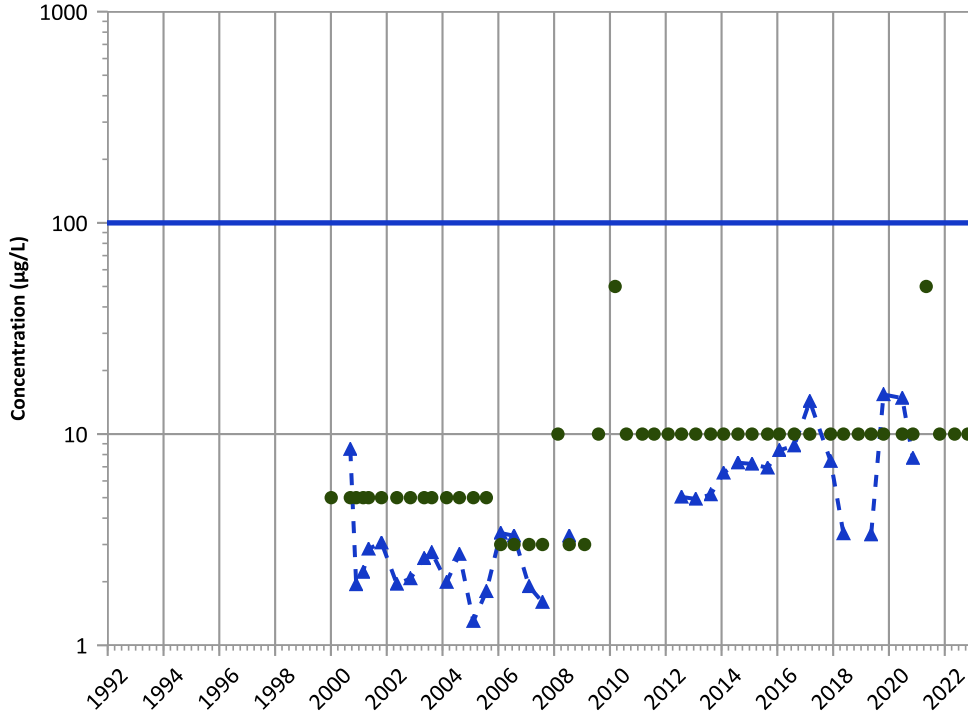
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

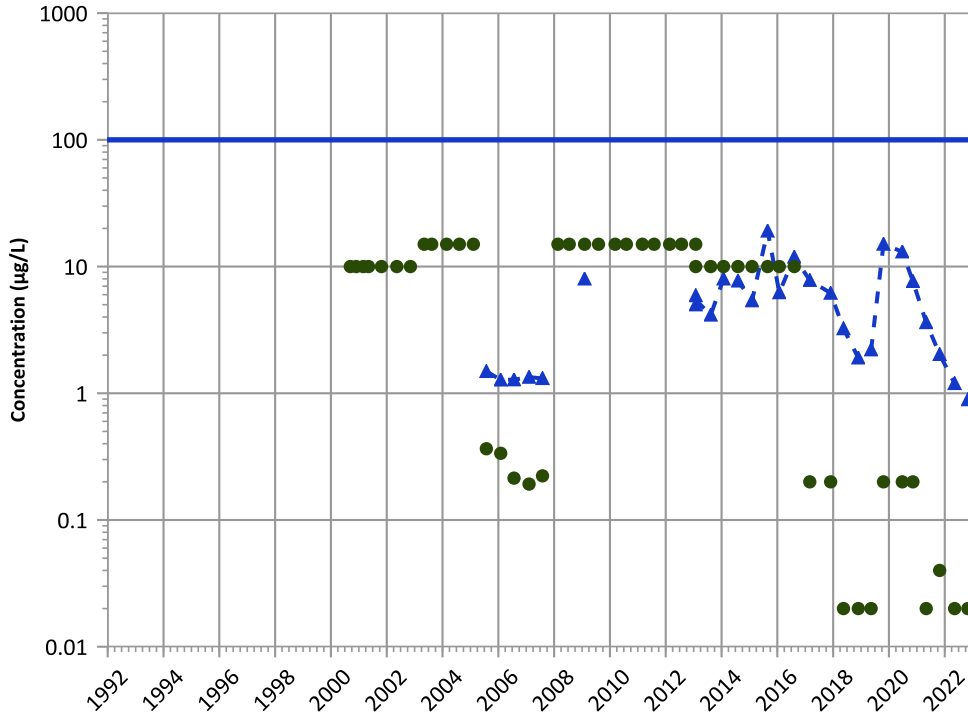


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend



Concentration Trend

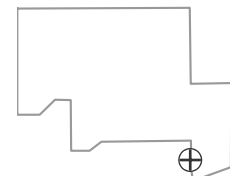
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

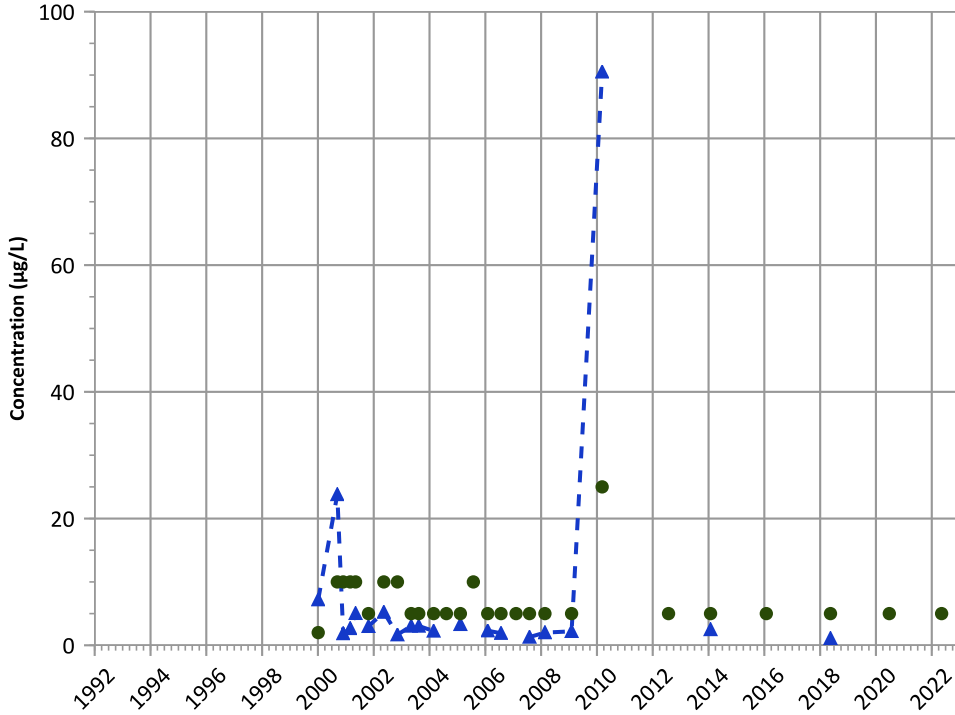
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

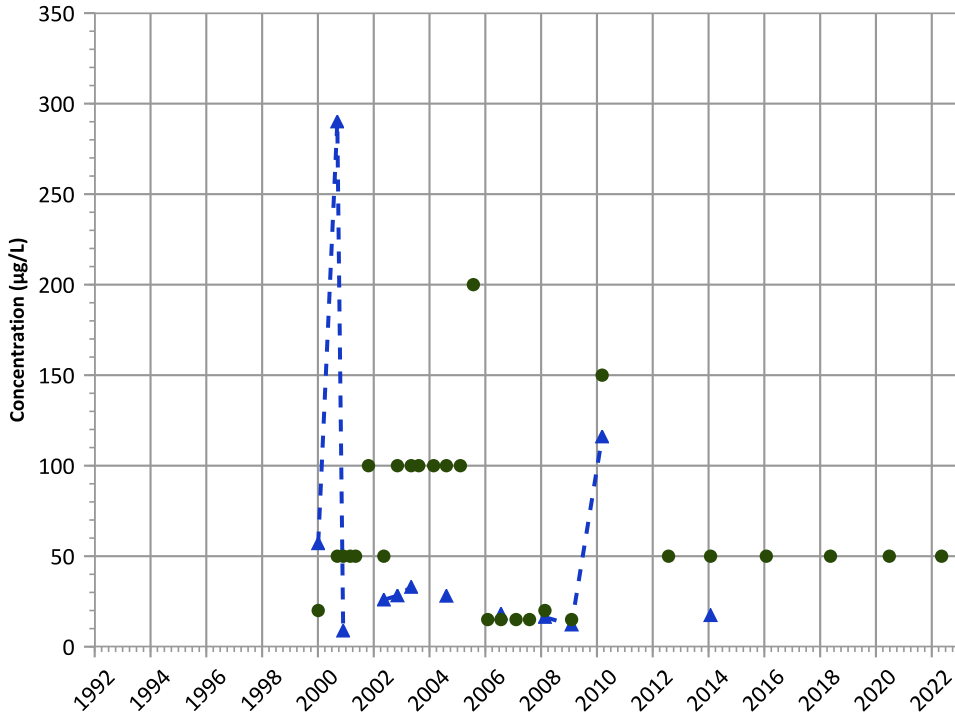
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

No Trend

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

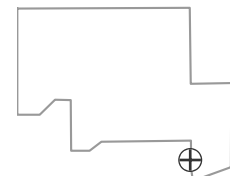
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

Decreasing

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

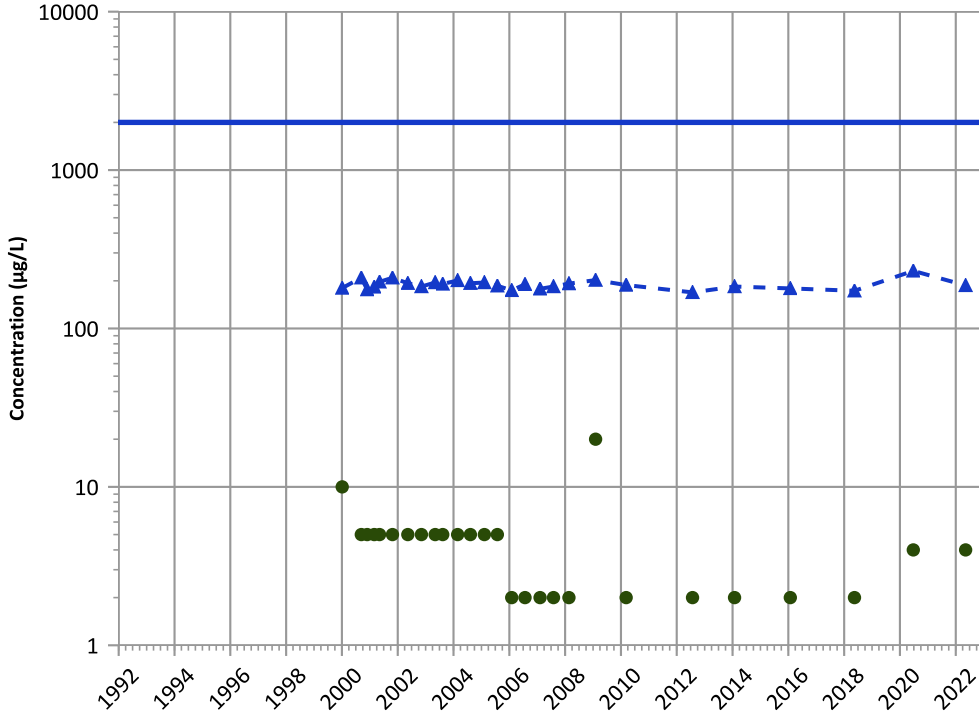
Data Date Range: 01/05/2000 to 10/31/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

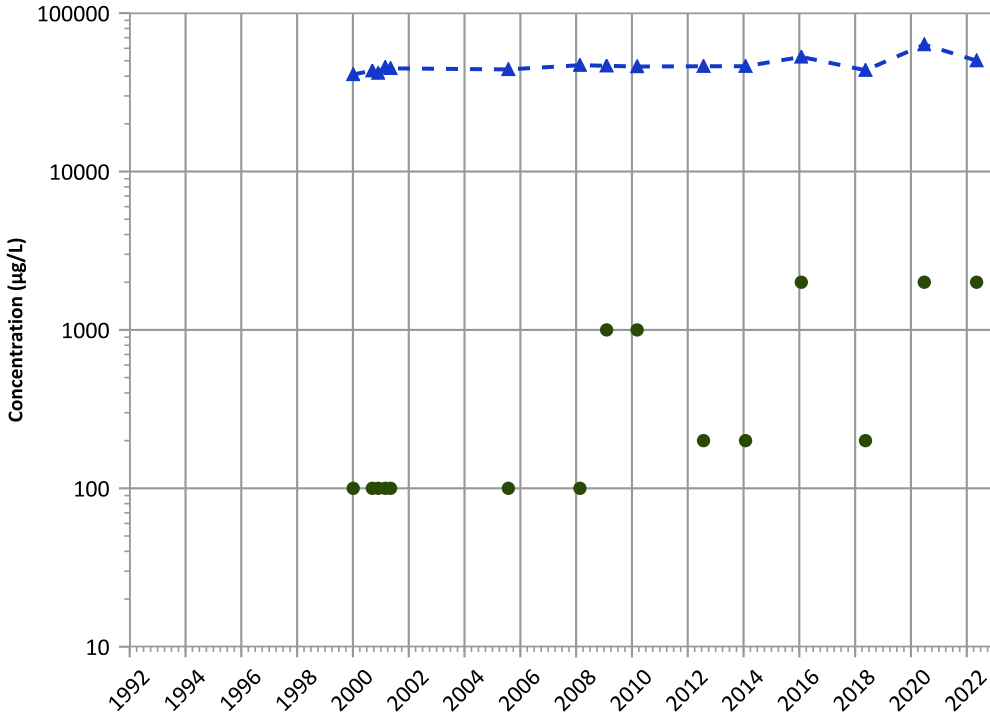
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

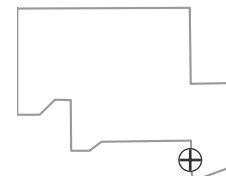
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

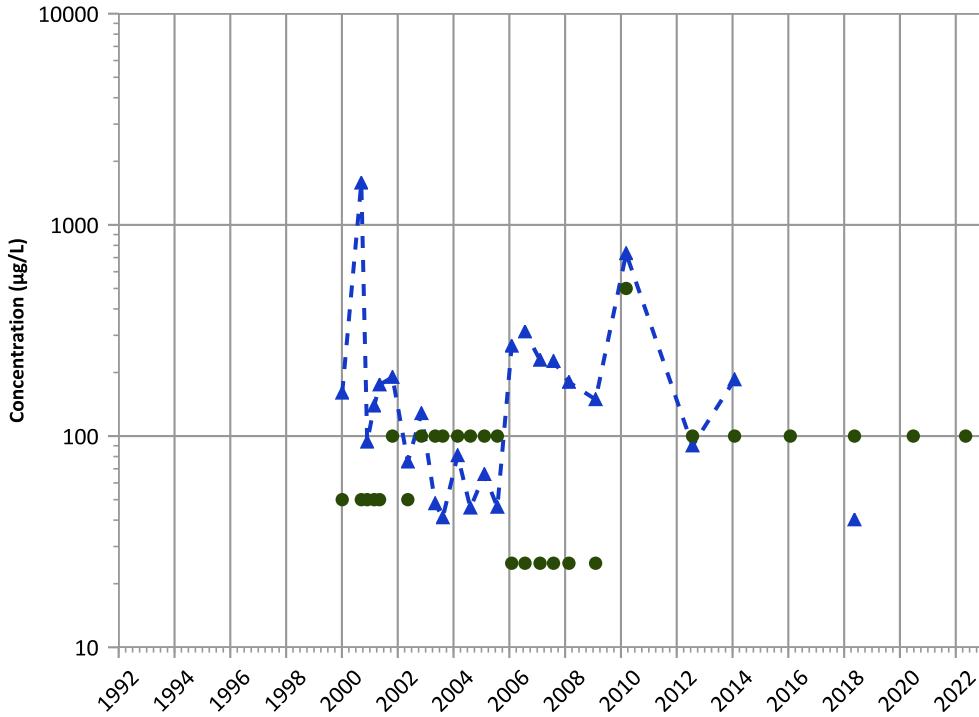
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

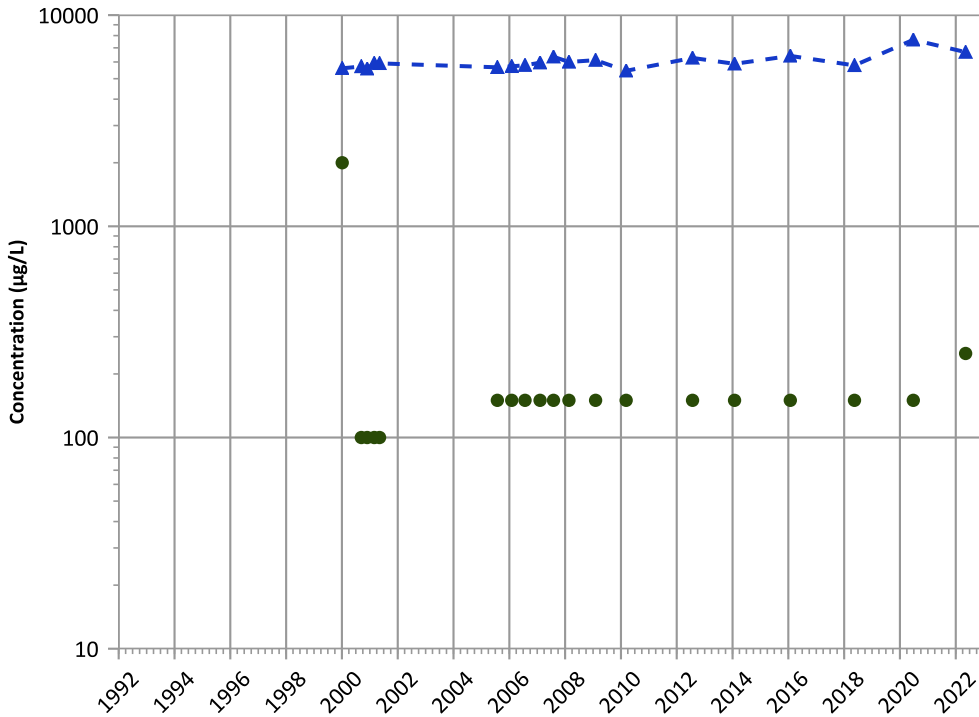


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Potassium Trend



Concentration Trend

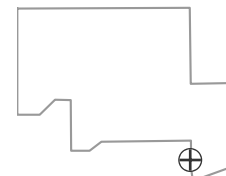
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

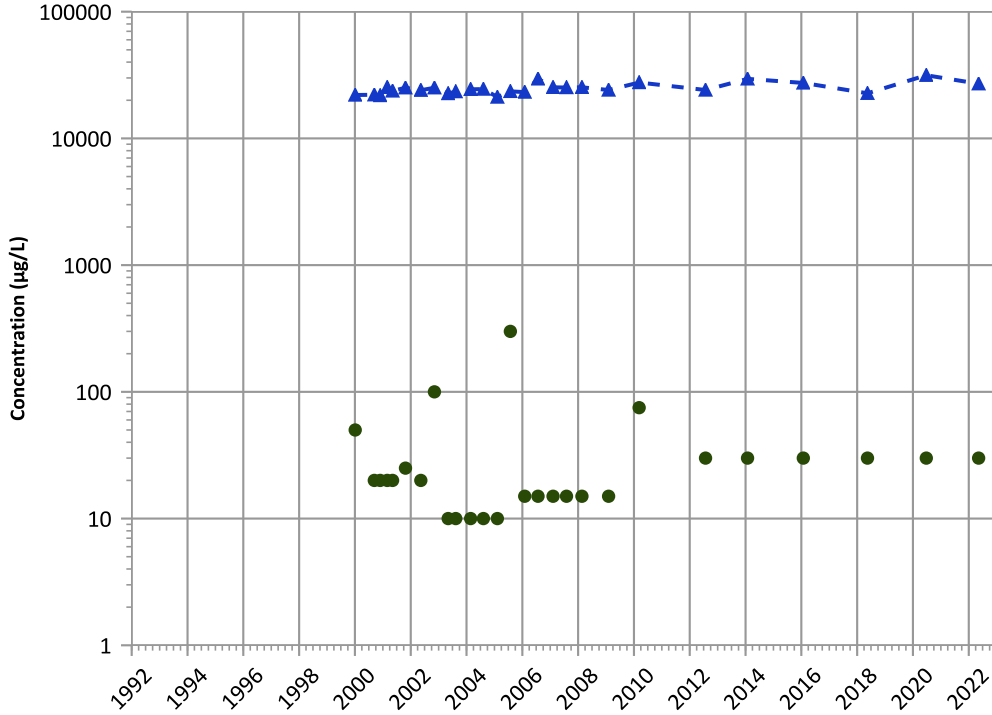
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

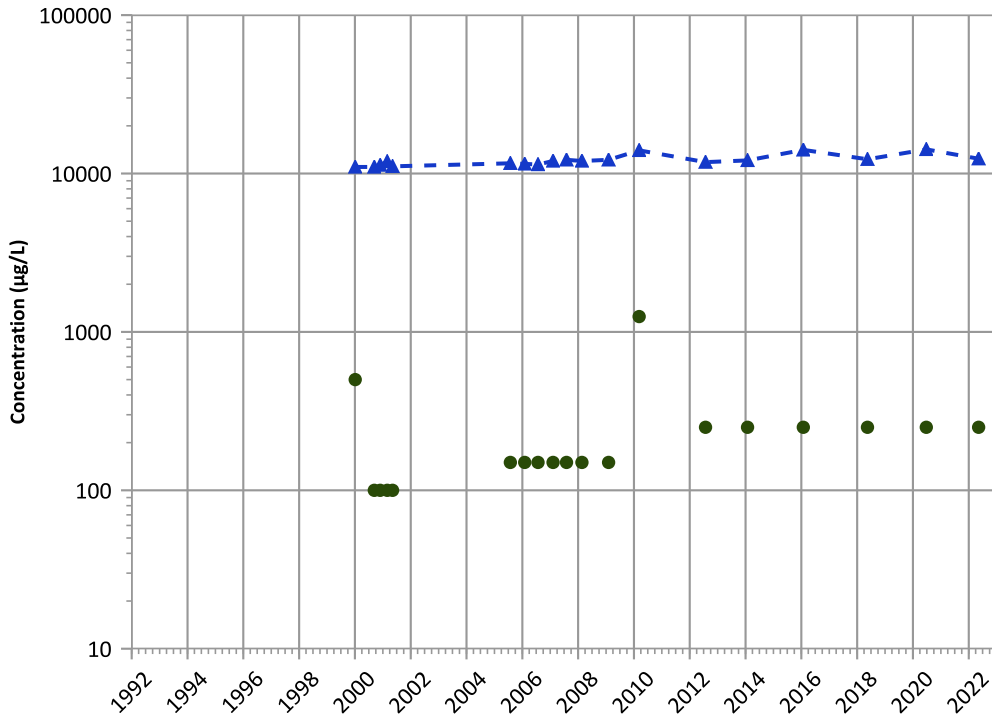


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Sodium Trend



Concentration Trend

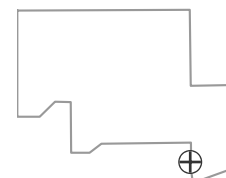
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/05/2000 to 10/31/2022  
Analysis Date: 04/27/2023

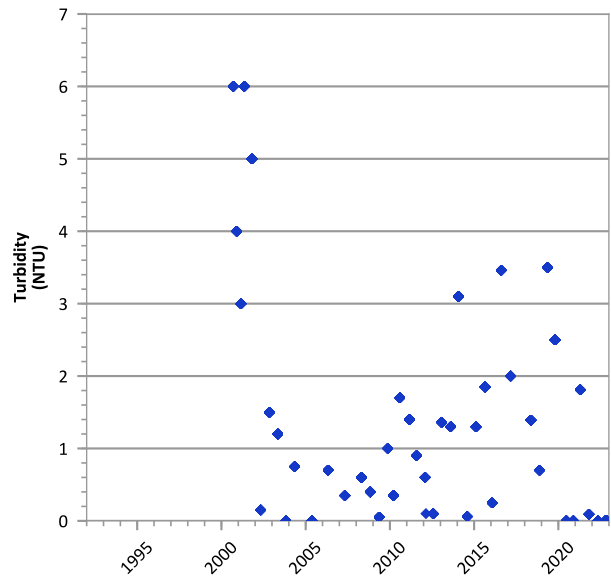
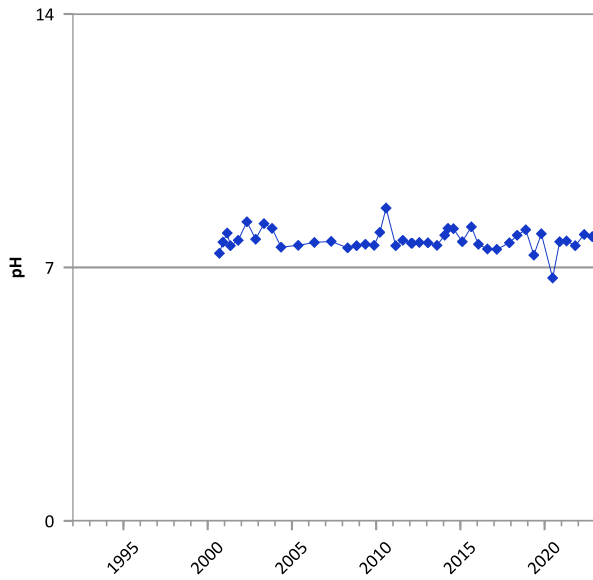
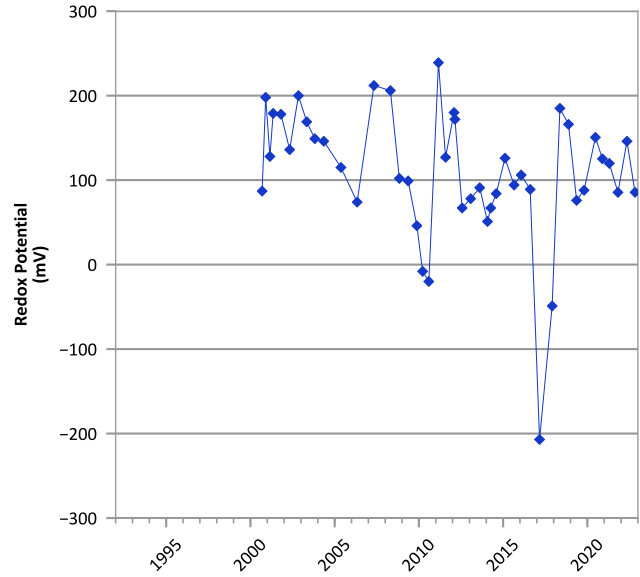
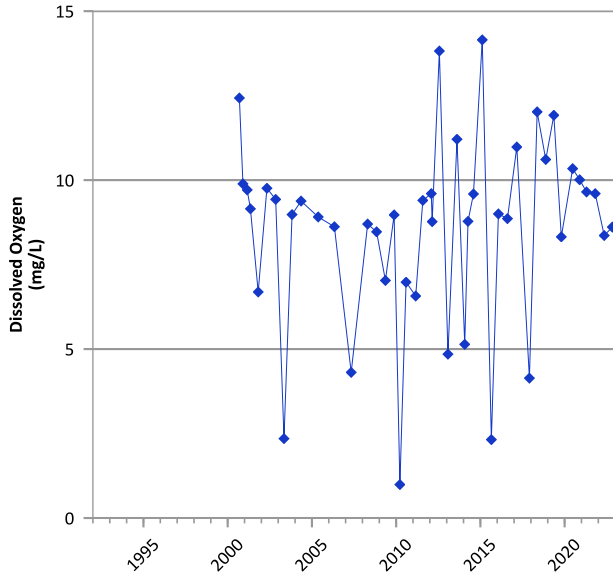
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



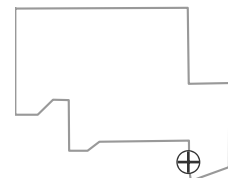


**PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



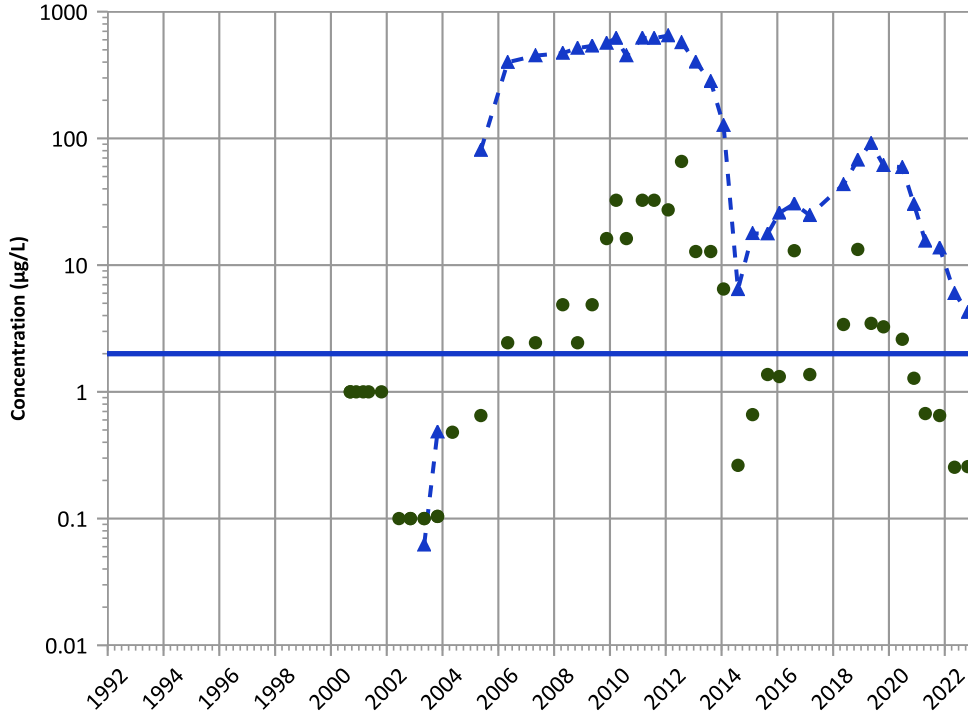
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/11/2000 to 10/31/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

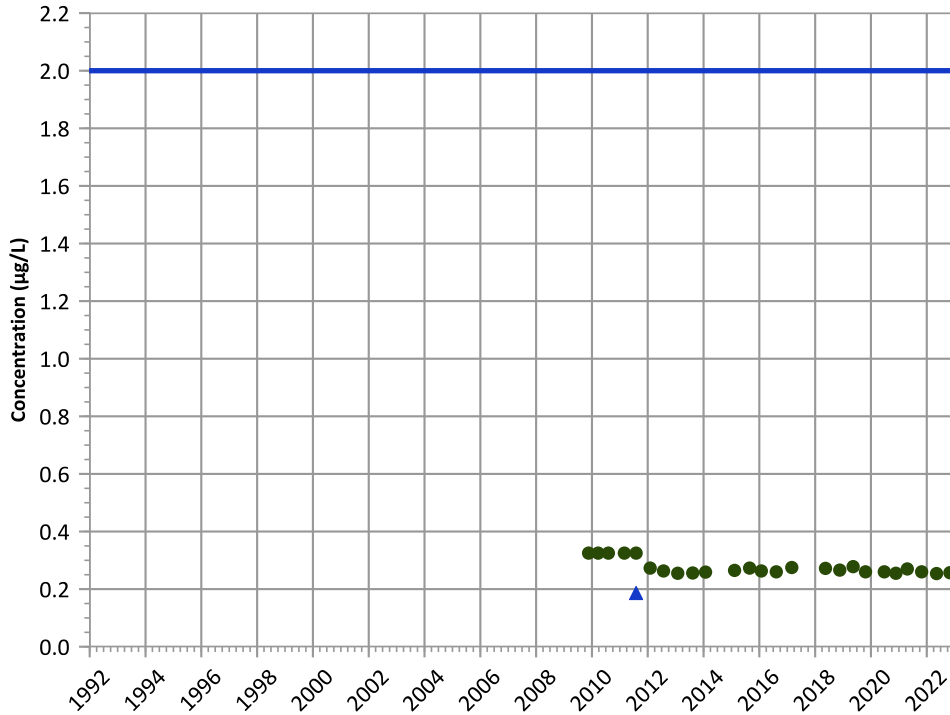


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

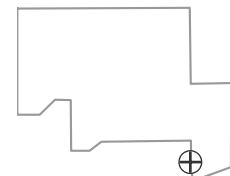


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

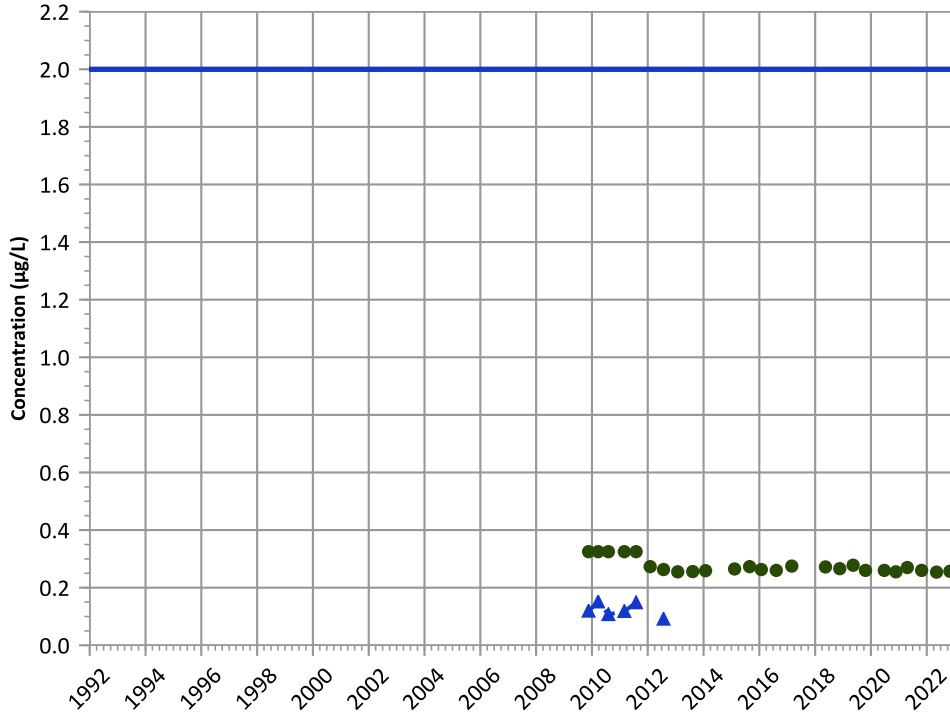


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

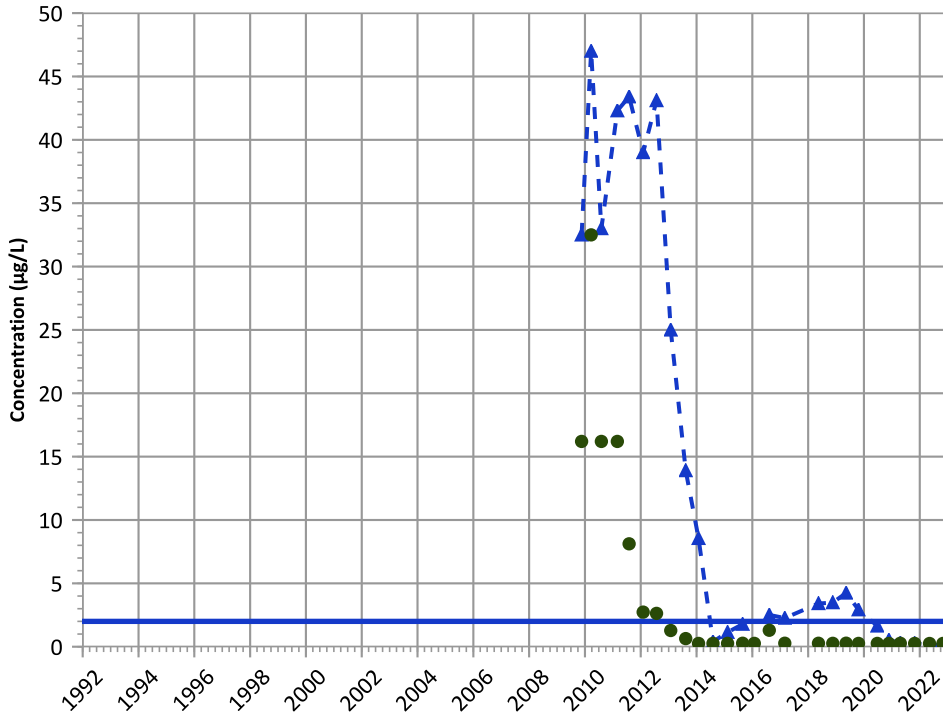


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

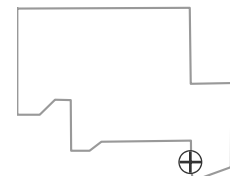
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

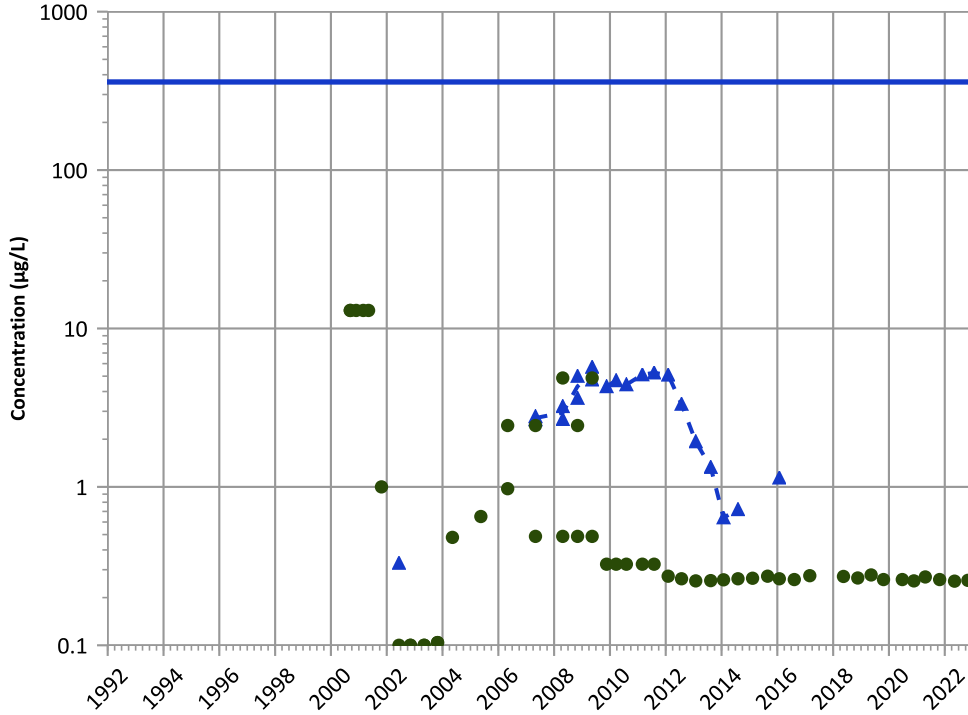
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

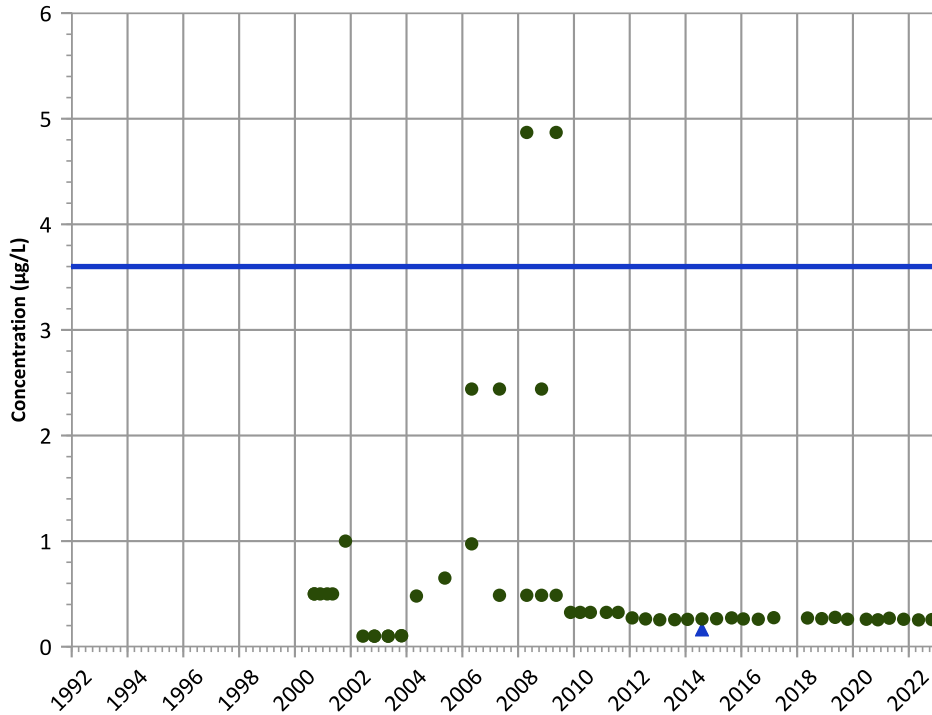


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

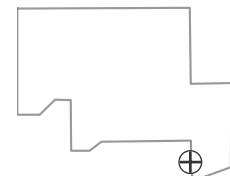
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

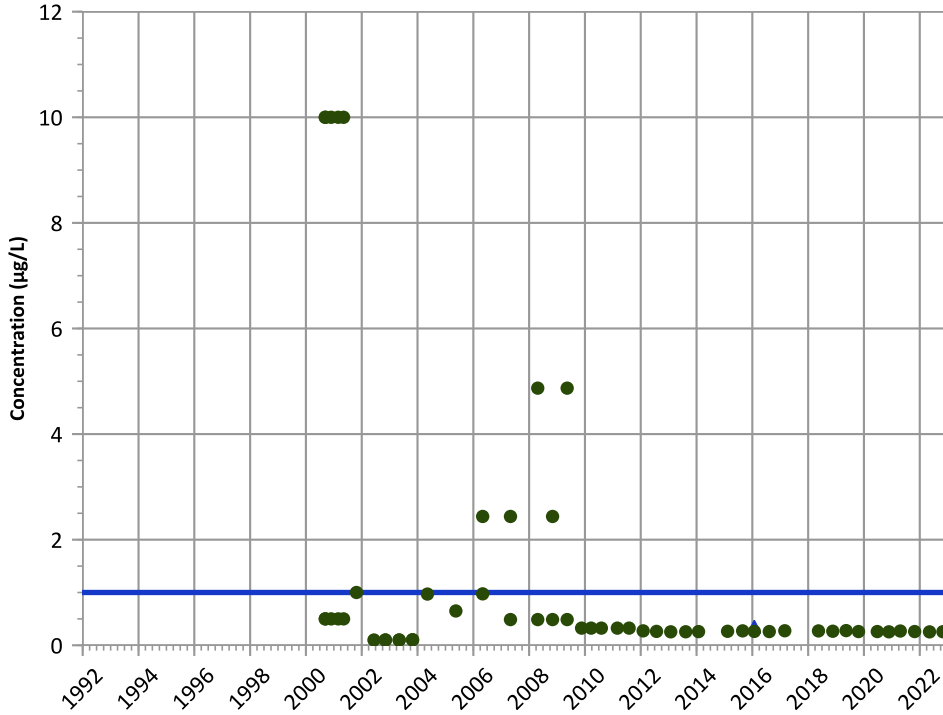
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

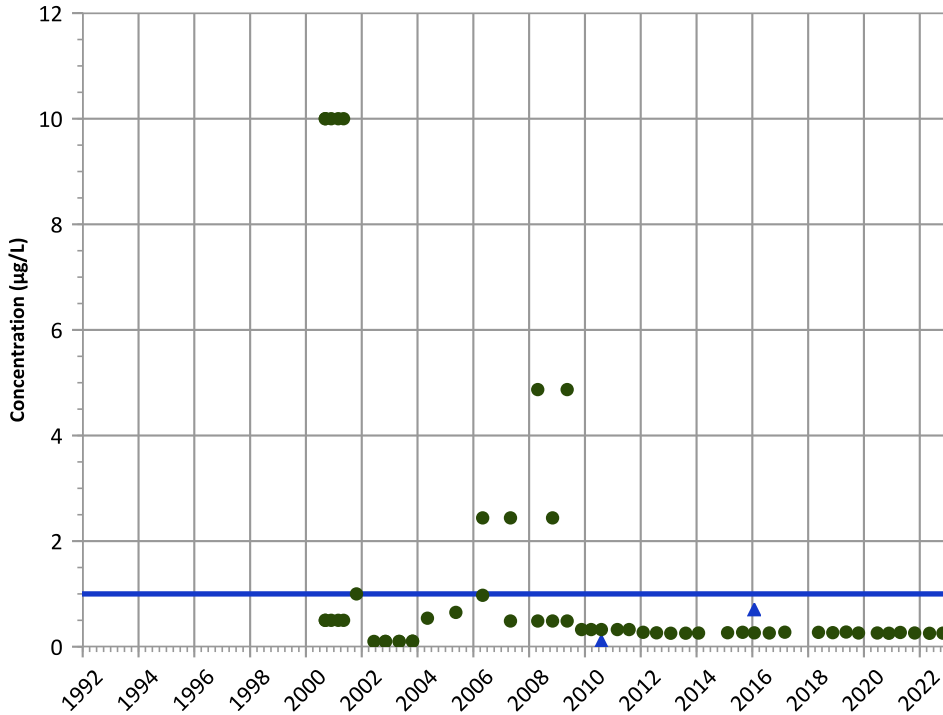


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

2,6-Dinitrotoluene Trend



Concentration Trend

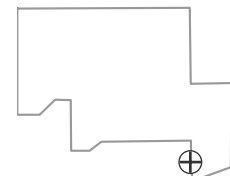
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

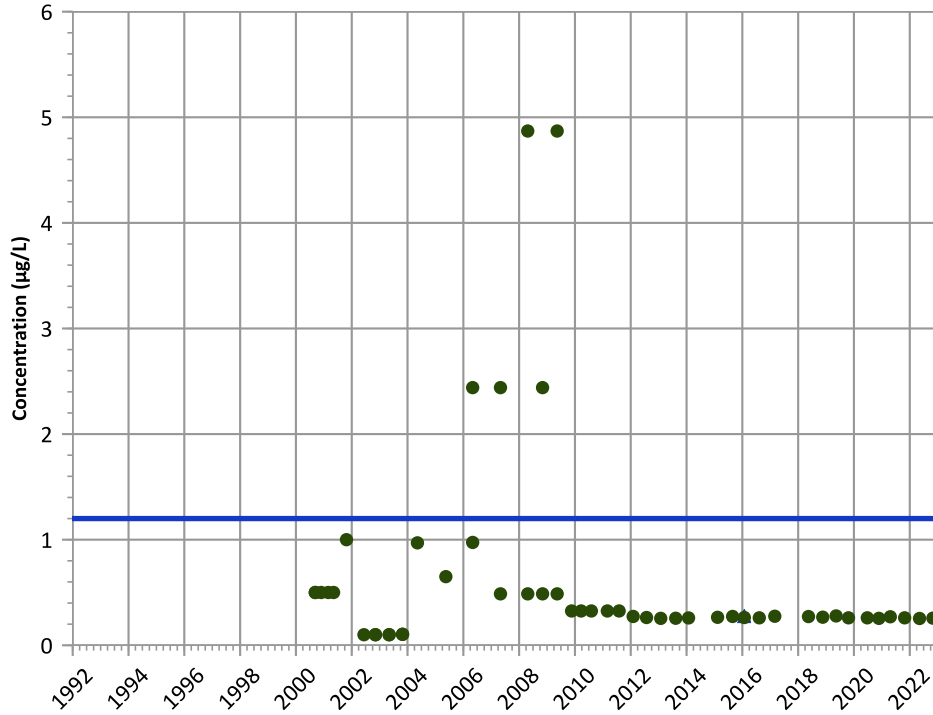
- Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

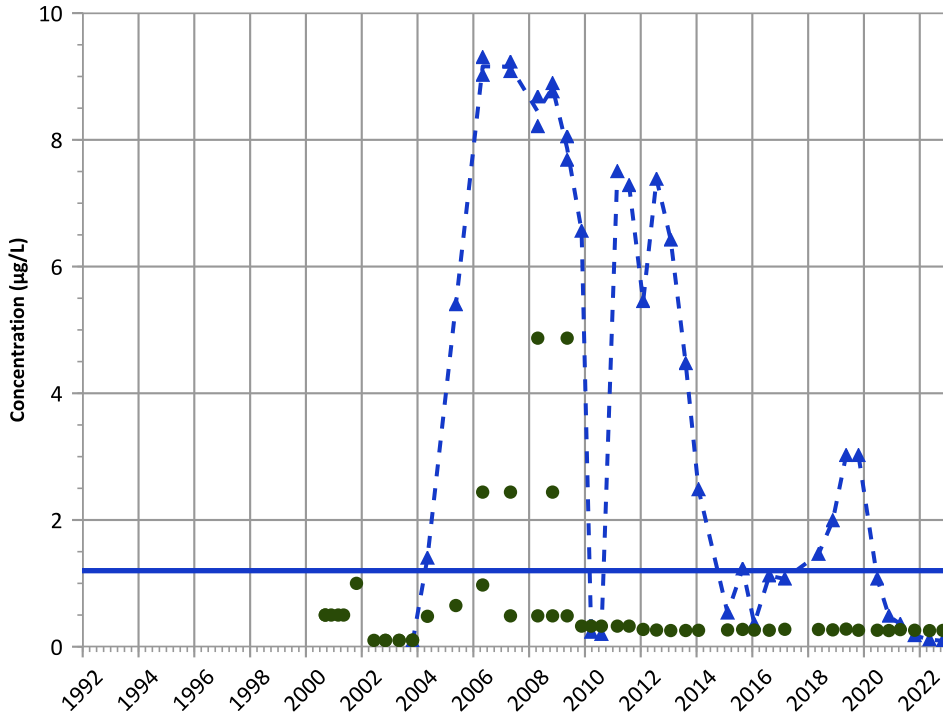


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

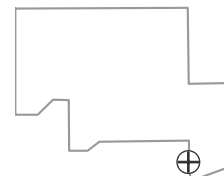
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

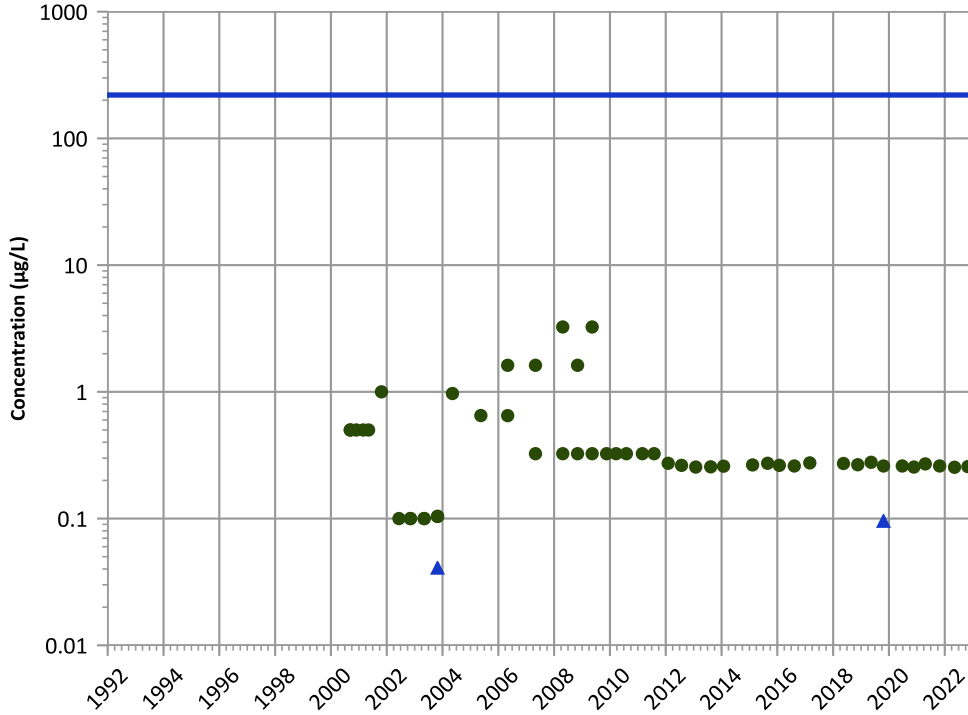
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

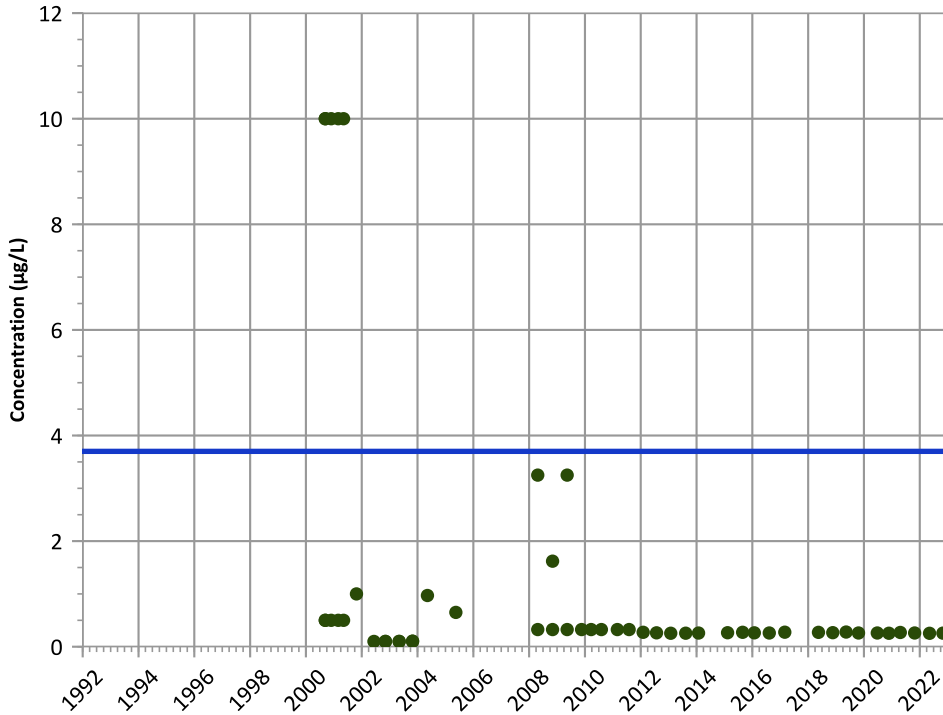


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

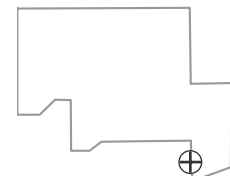
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

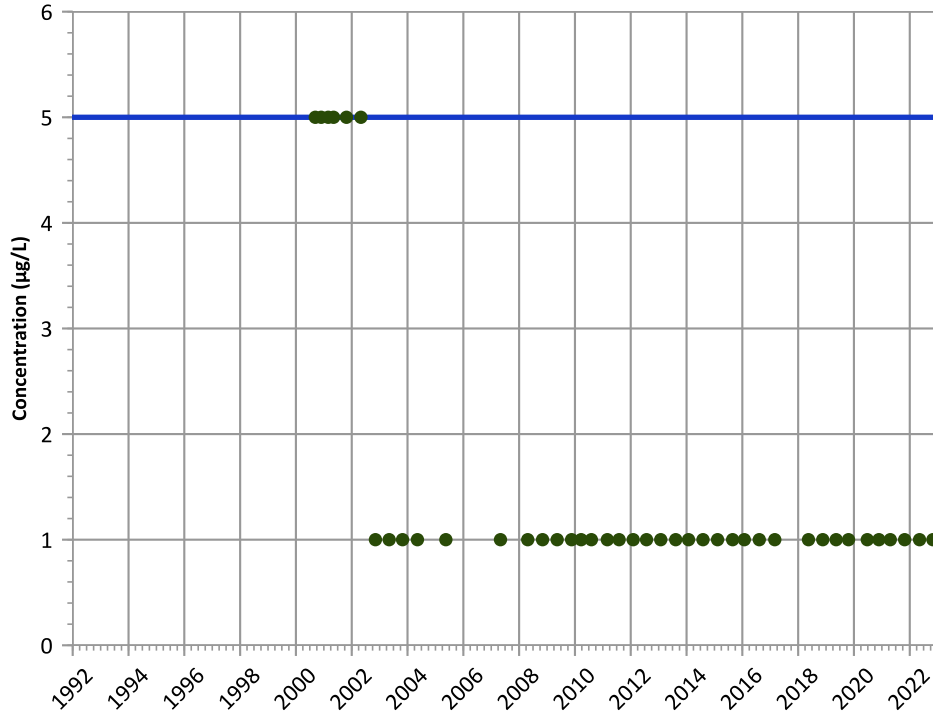
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

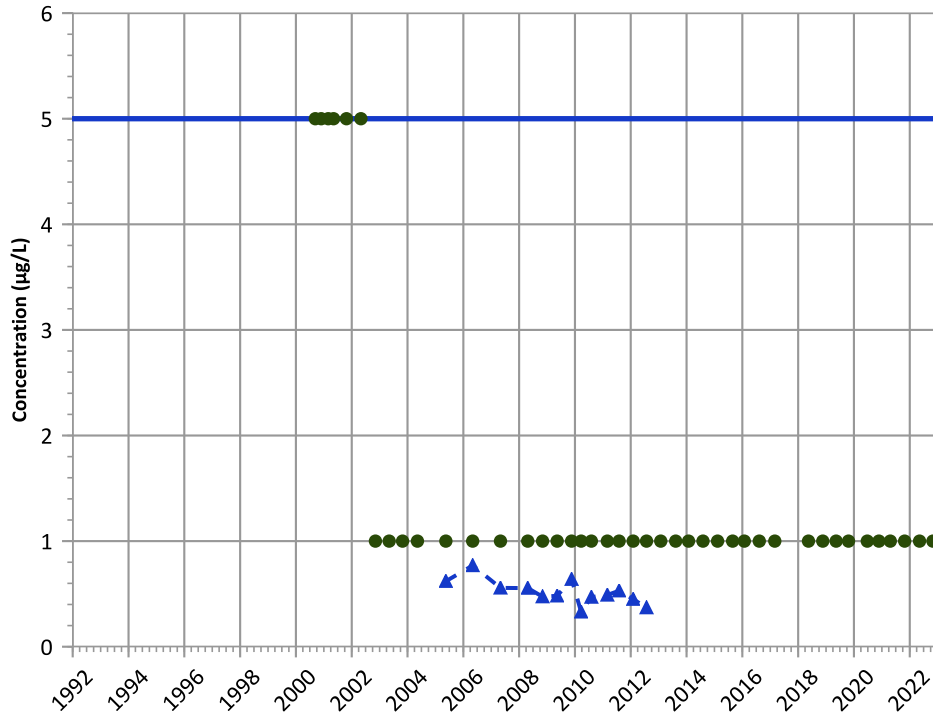
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

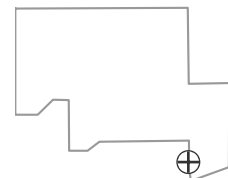
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

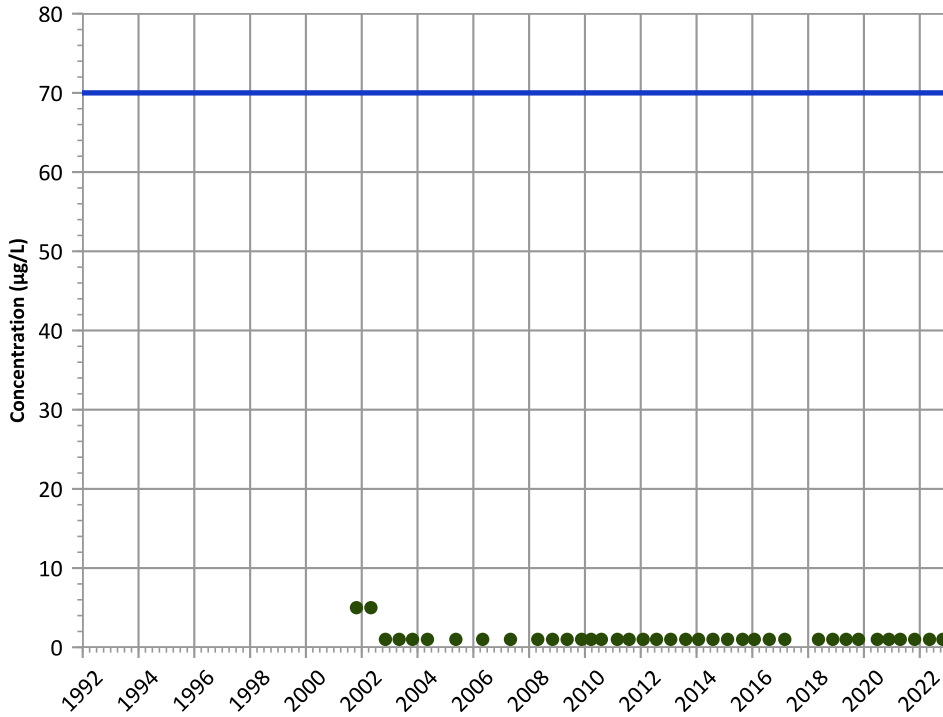
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

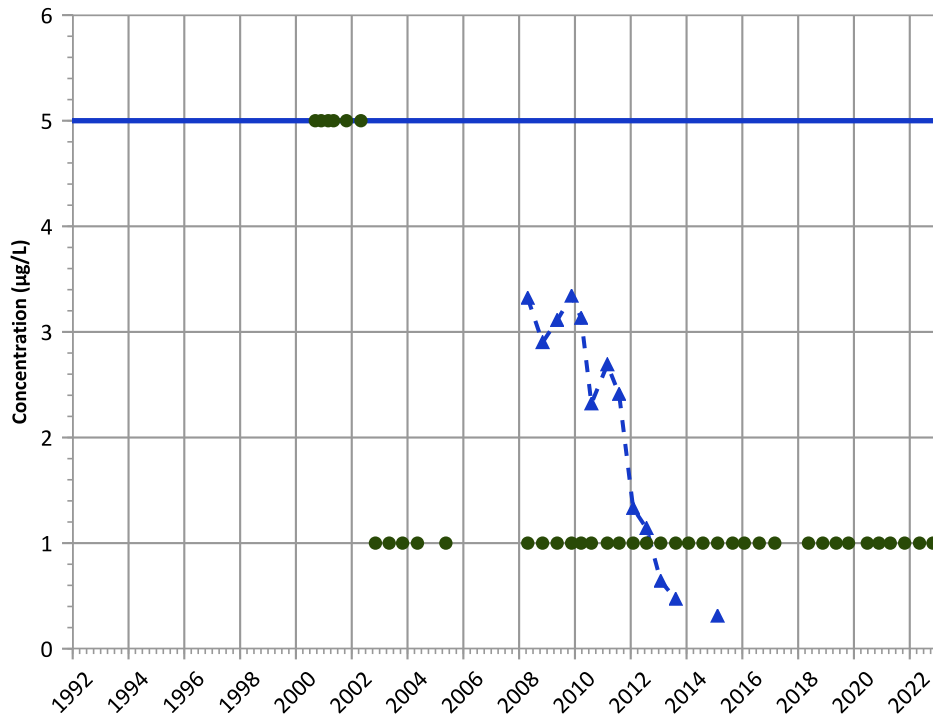


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**

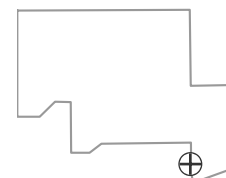


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

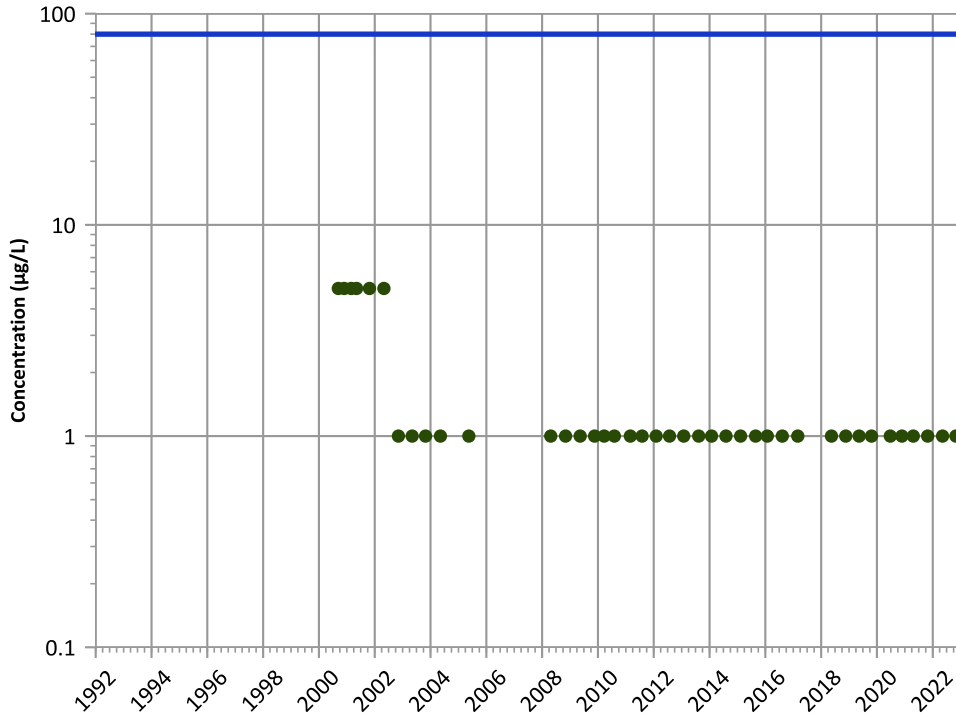
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend

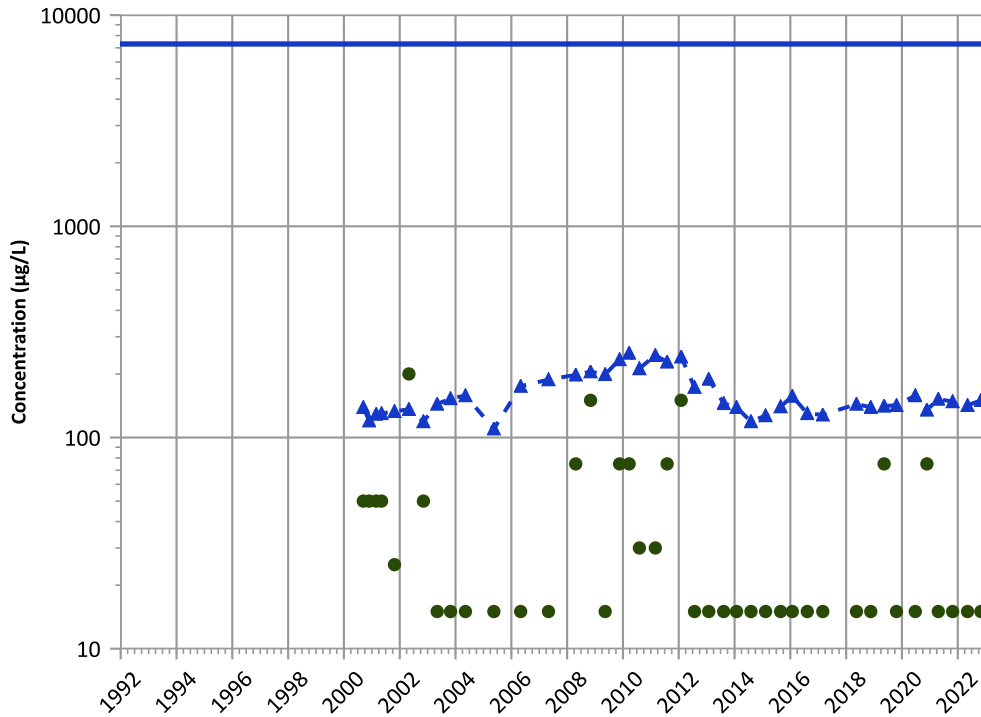


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Boron Trend



Concentration Trend

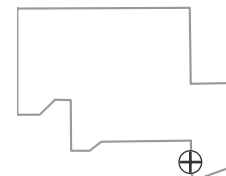
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

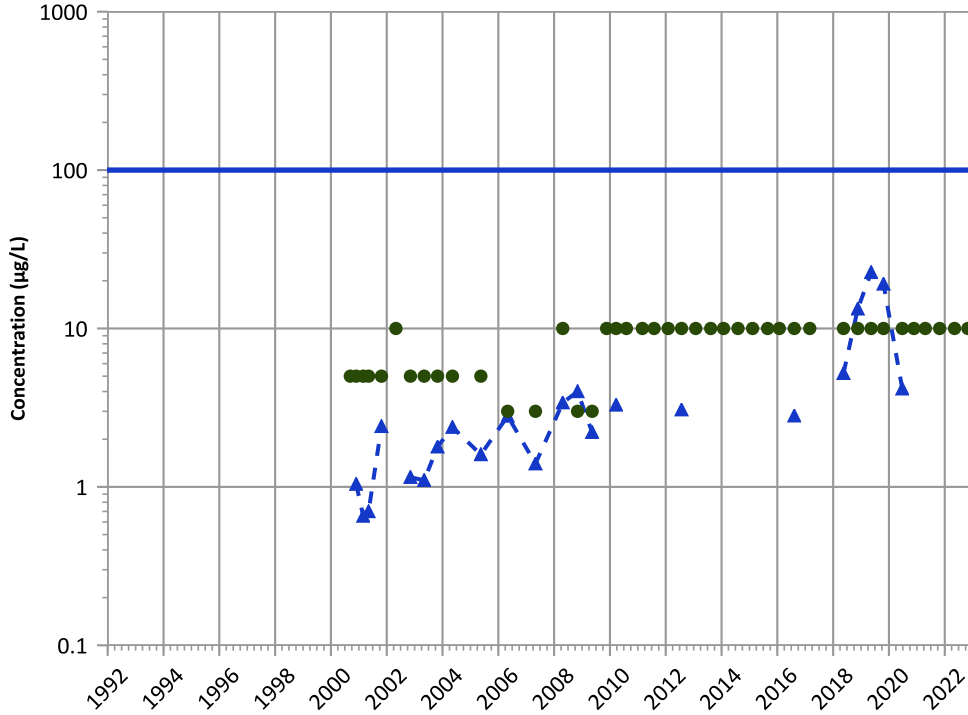
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

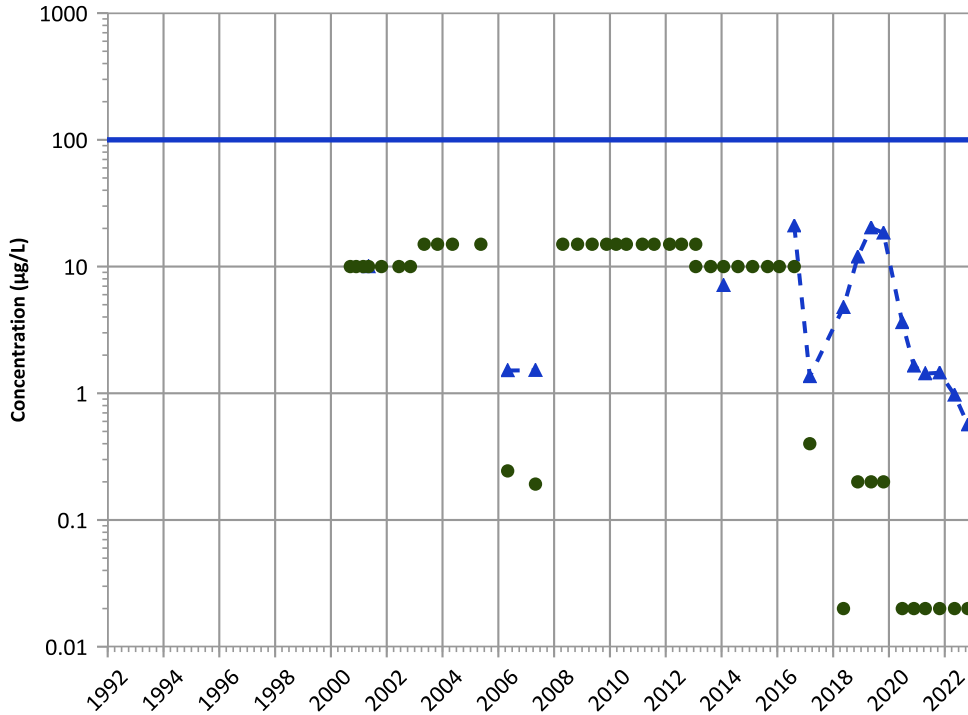


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

Chromium, Hexavalent Trend



Concentration Trend

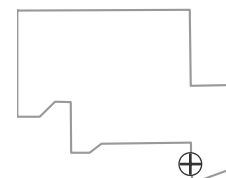
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

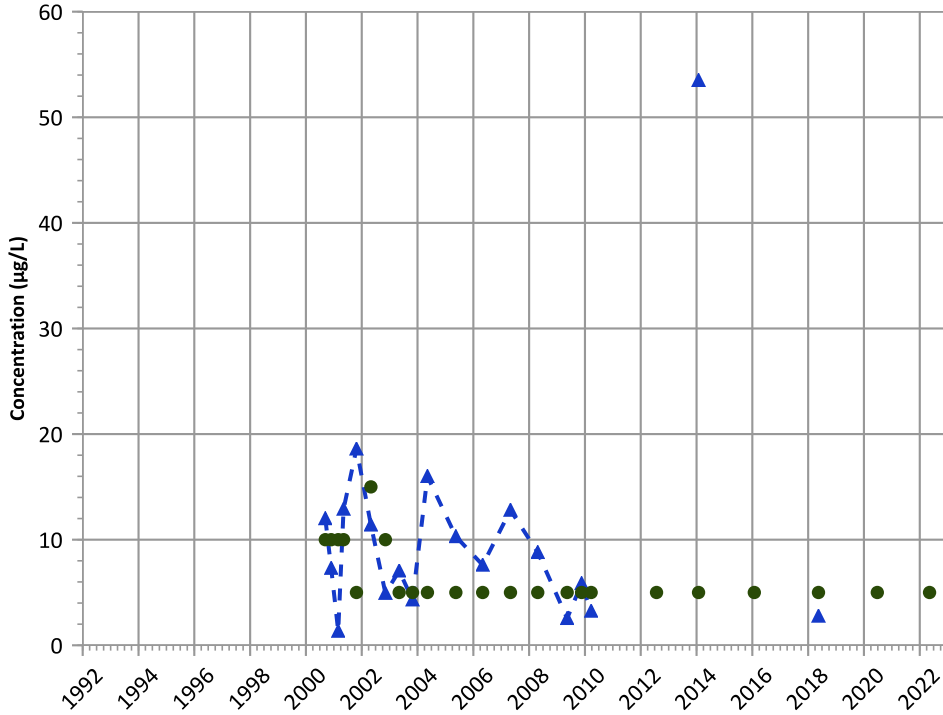
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

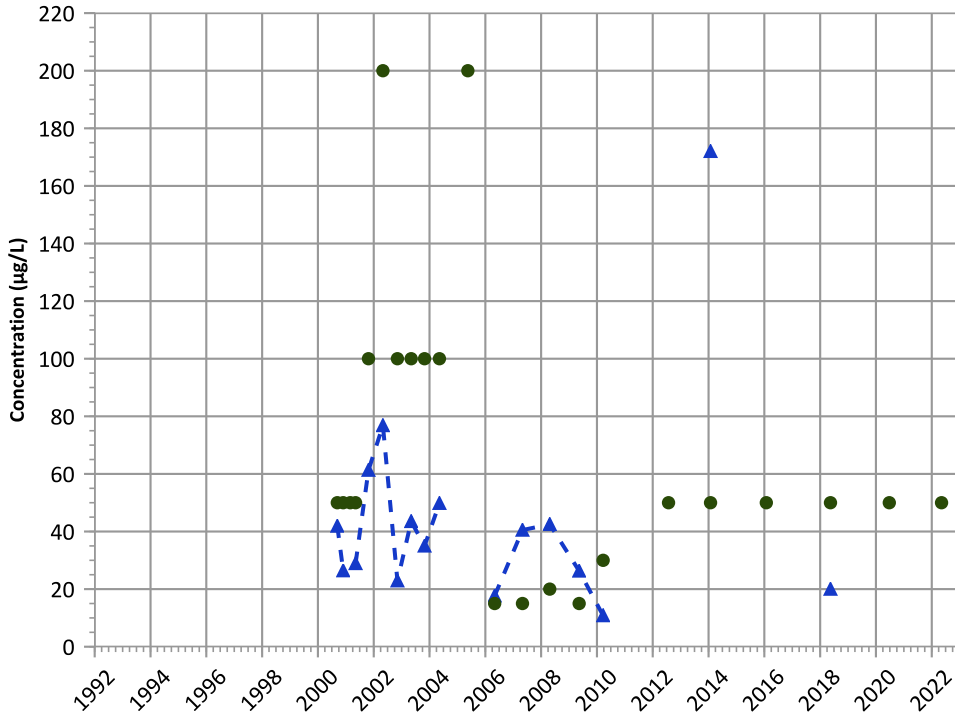


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

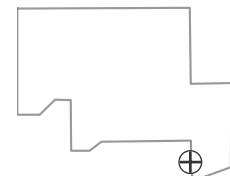
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

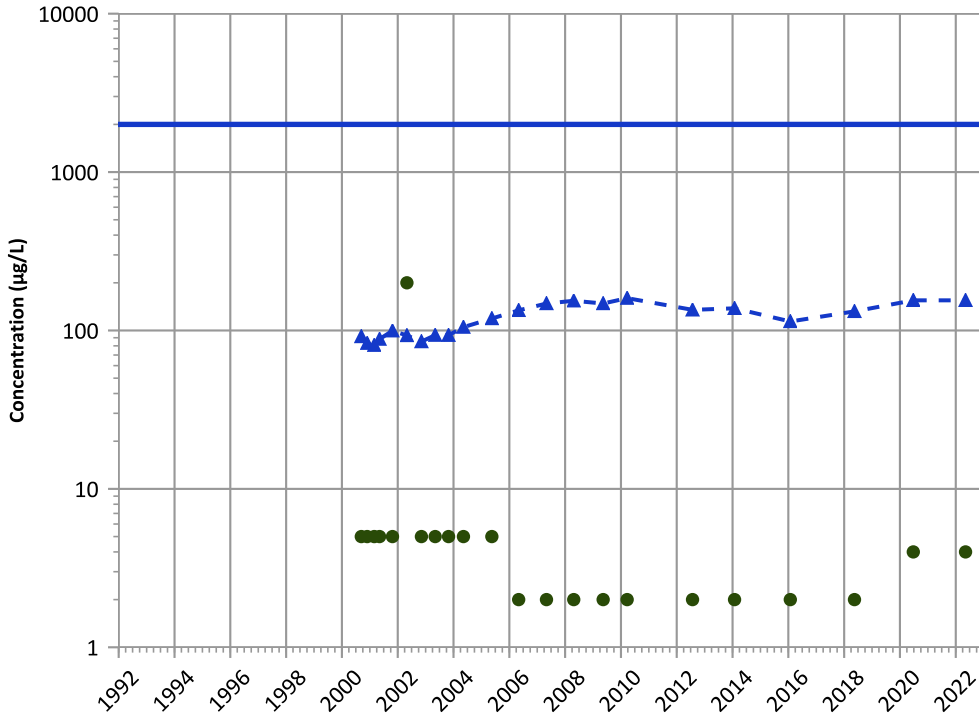
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

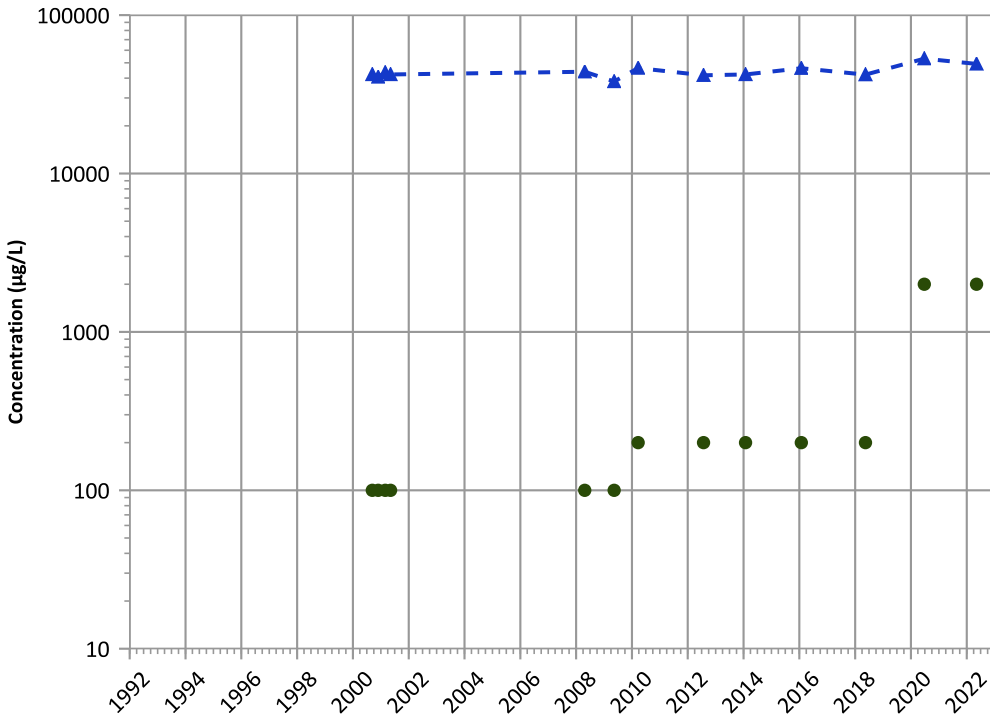
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

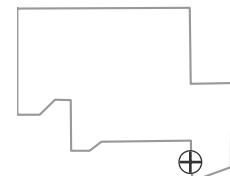
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

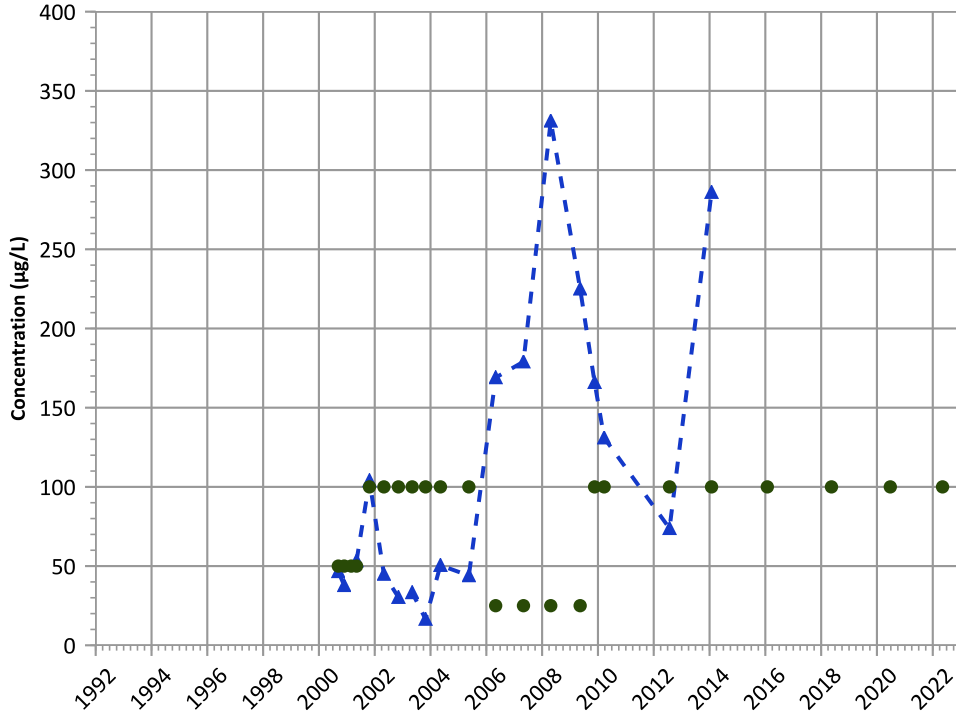
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

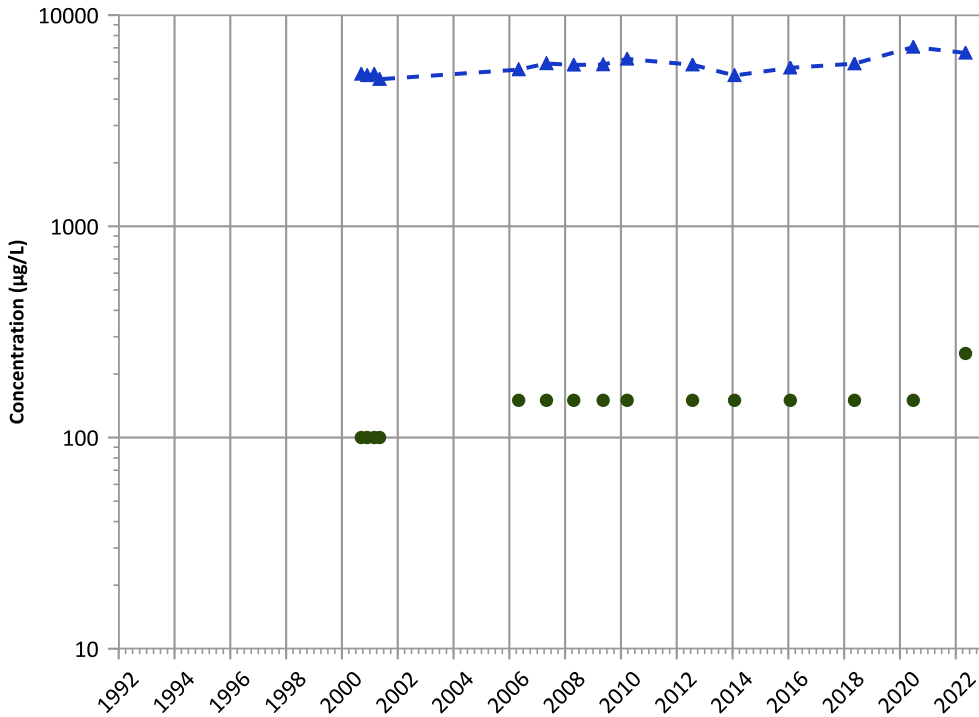


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Potassium Trend



Concentration Trend

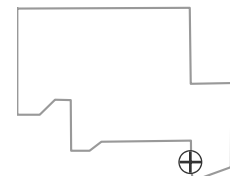
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

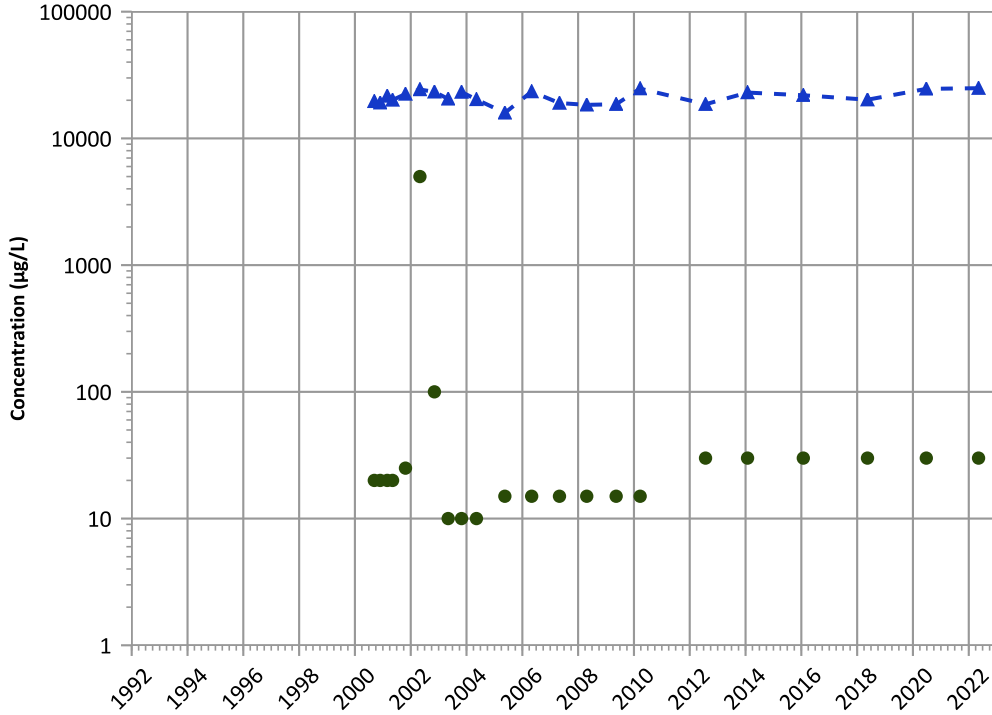
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1047A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

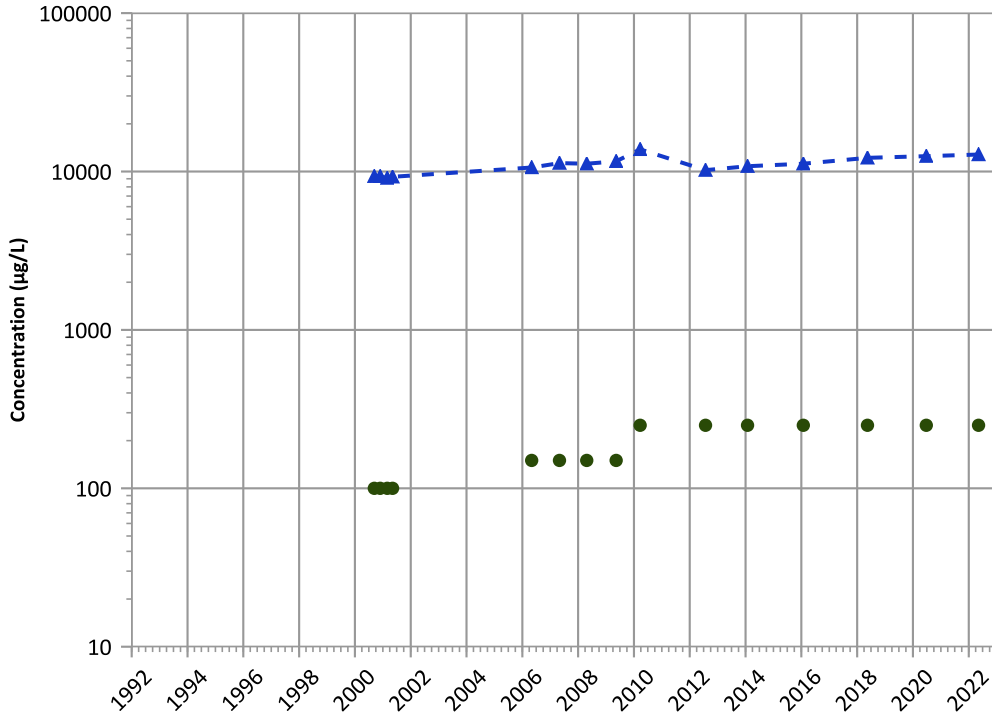
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

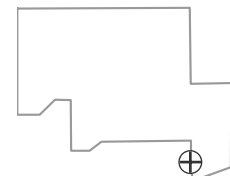
2020 - 2022 Data:

Increasing

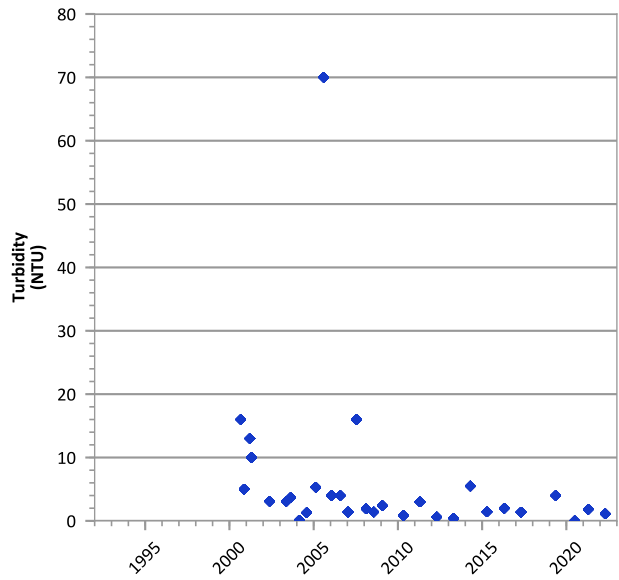
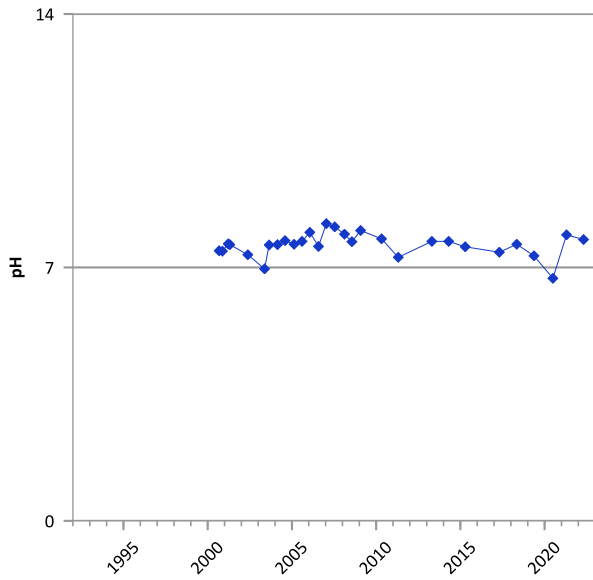
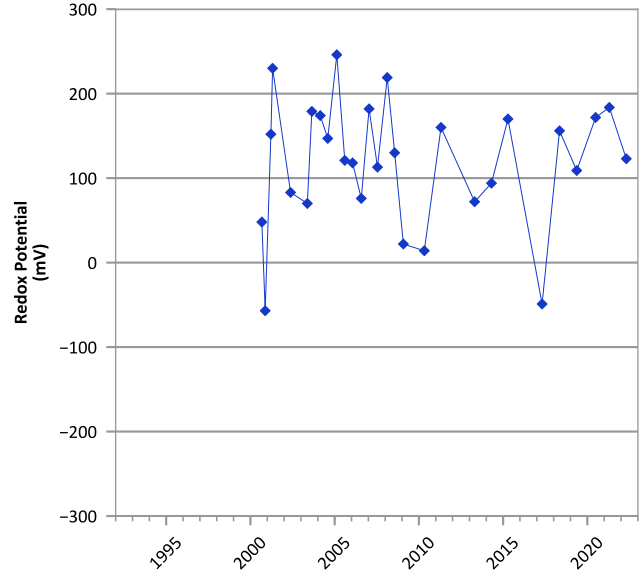
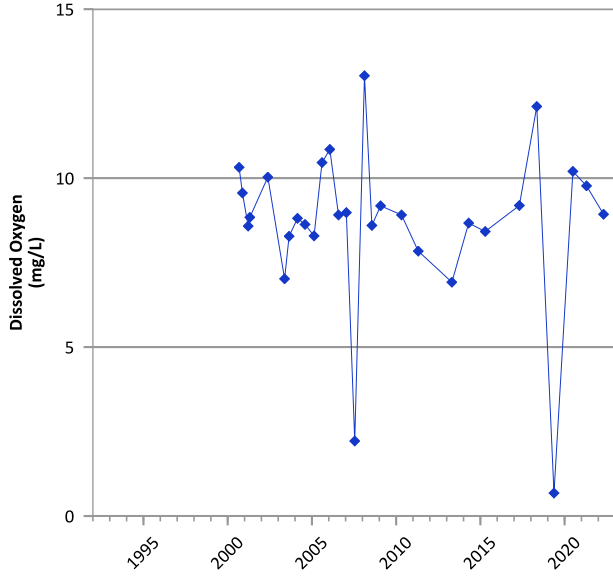
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/11/2000 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

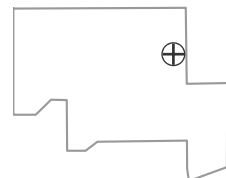


**PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/05/2000 to 04/25/2022  
 Analysis Date: 04/27/2023

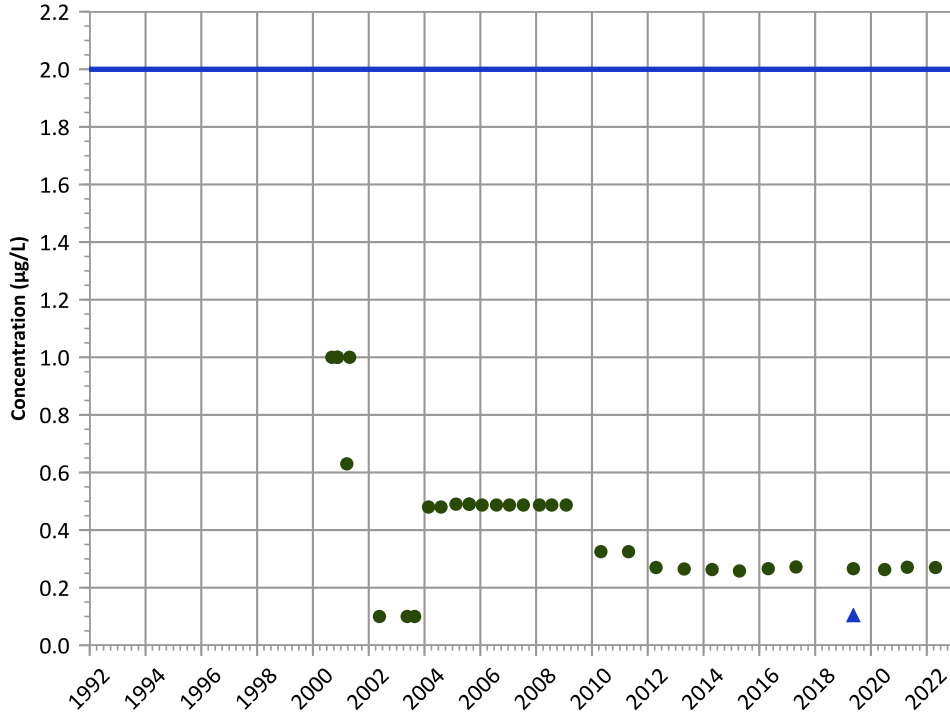
**Well Location**





PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

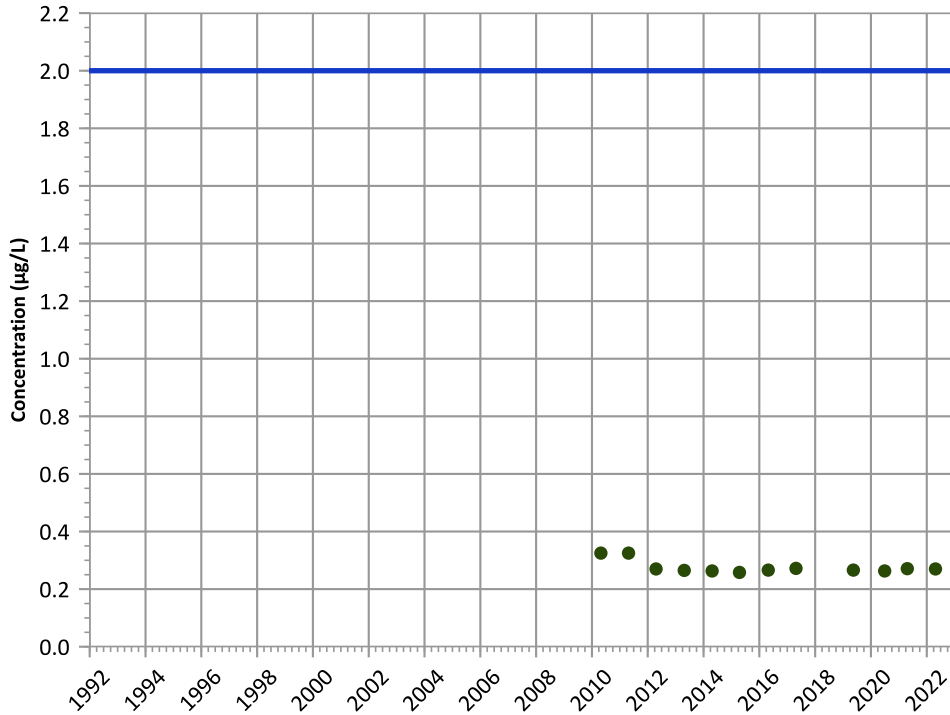


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

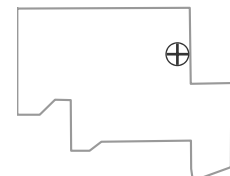
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

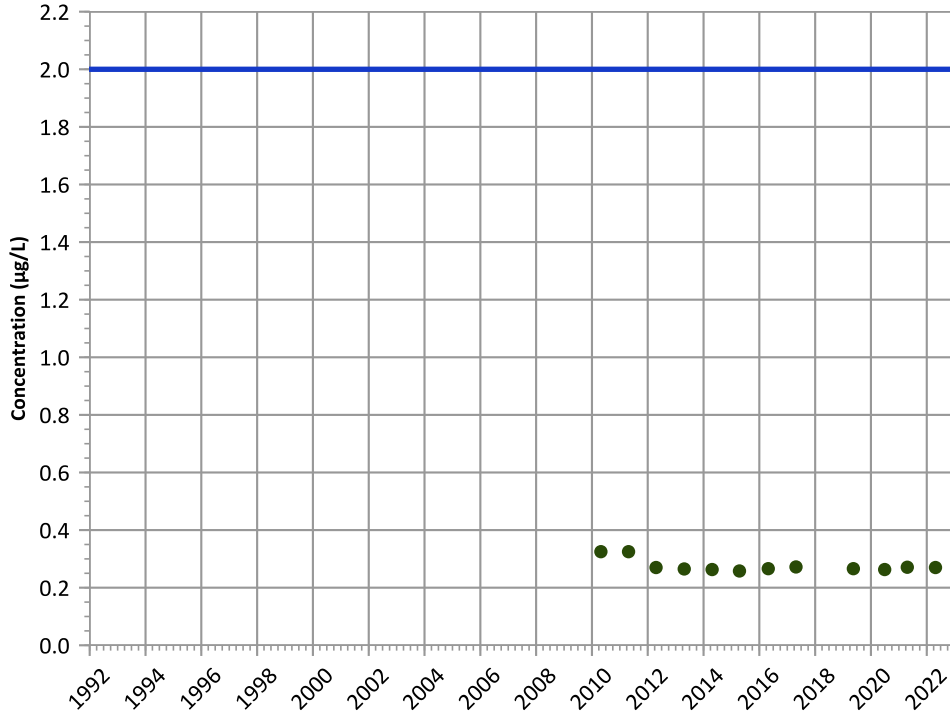
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

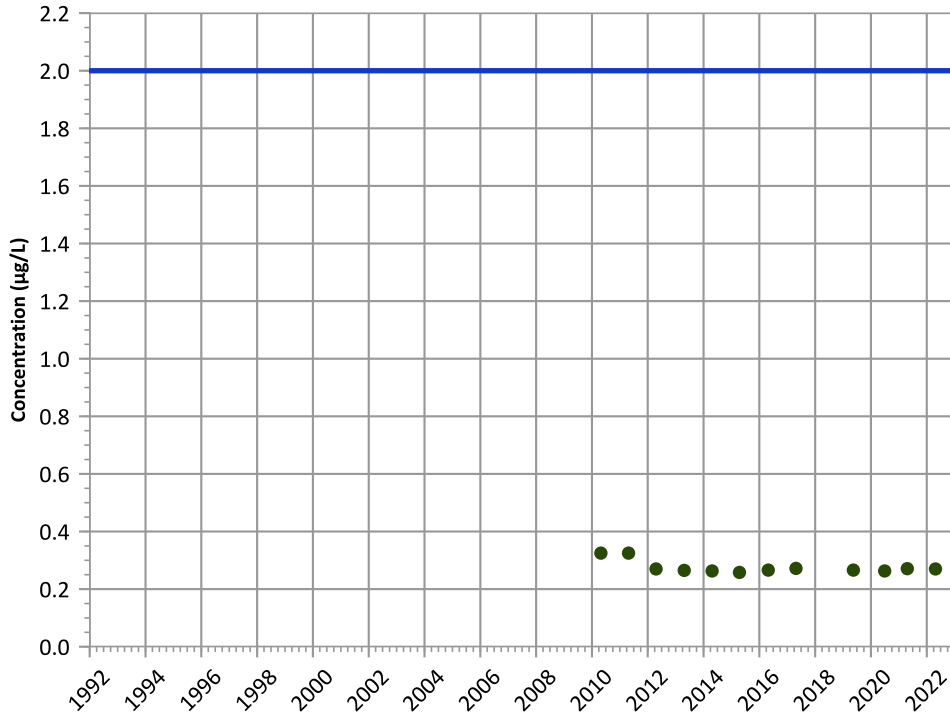
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

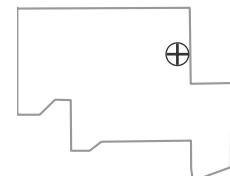
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

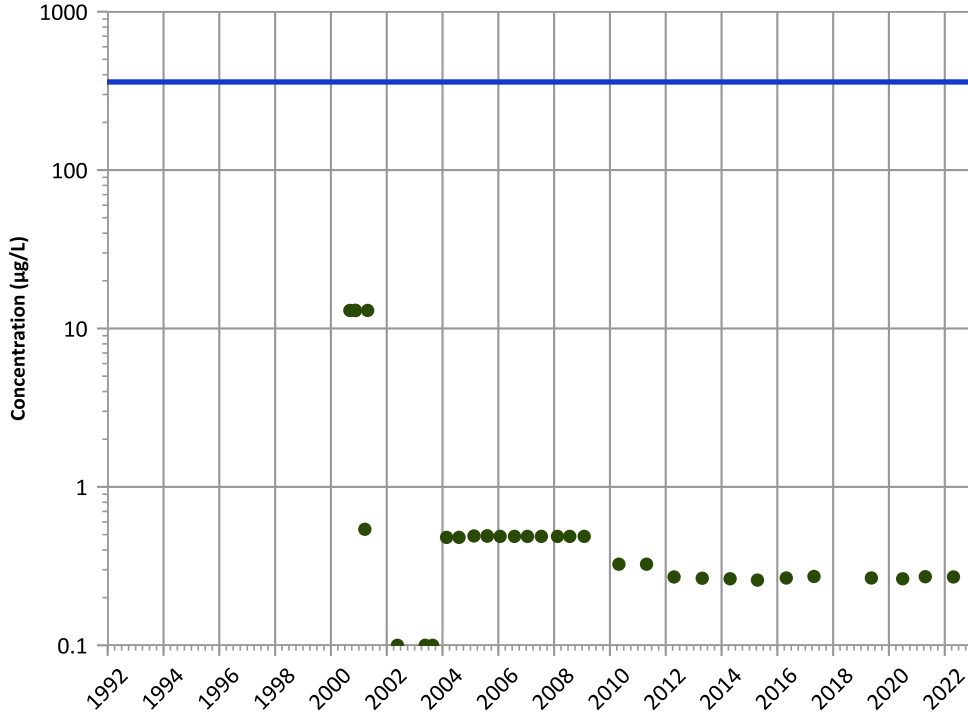
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

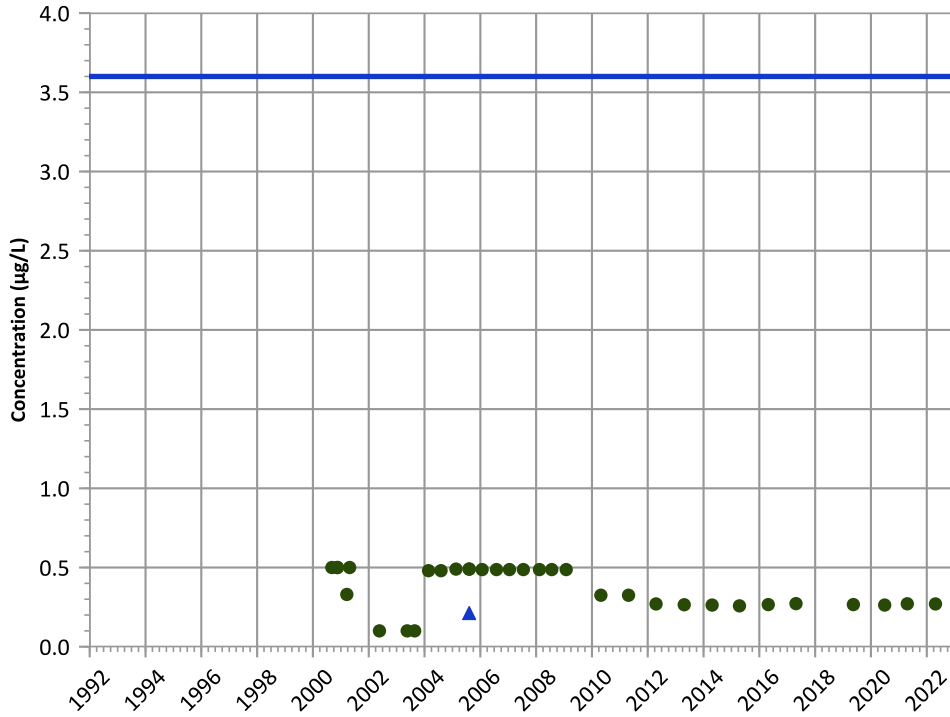
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

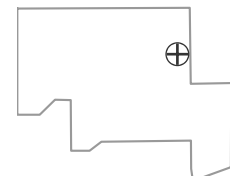
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

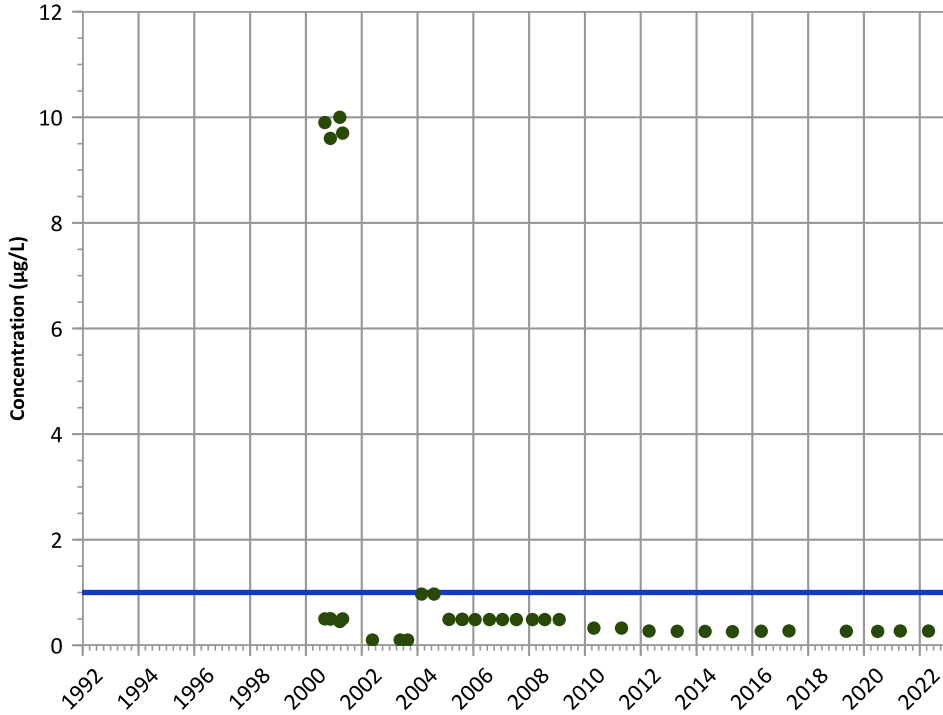
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

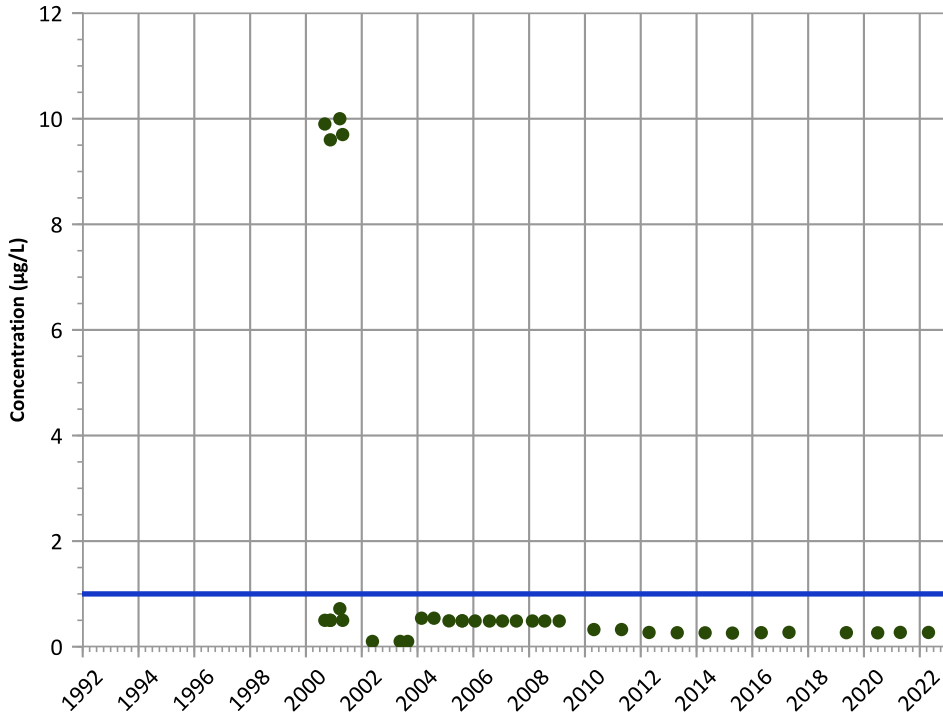
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

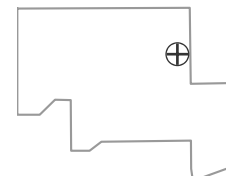
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

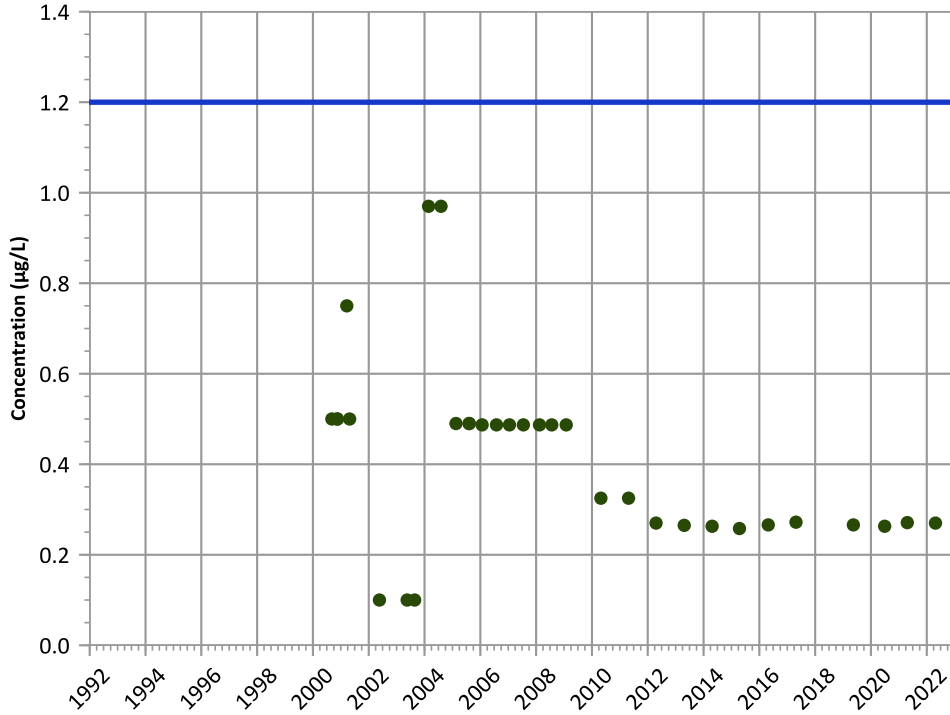
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

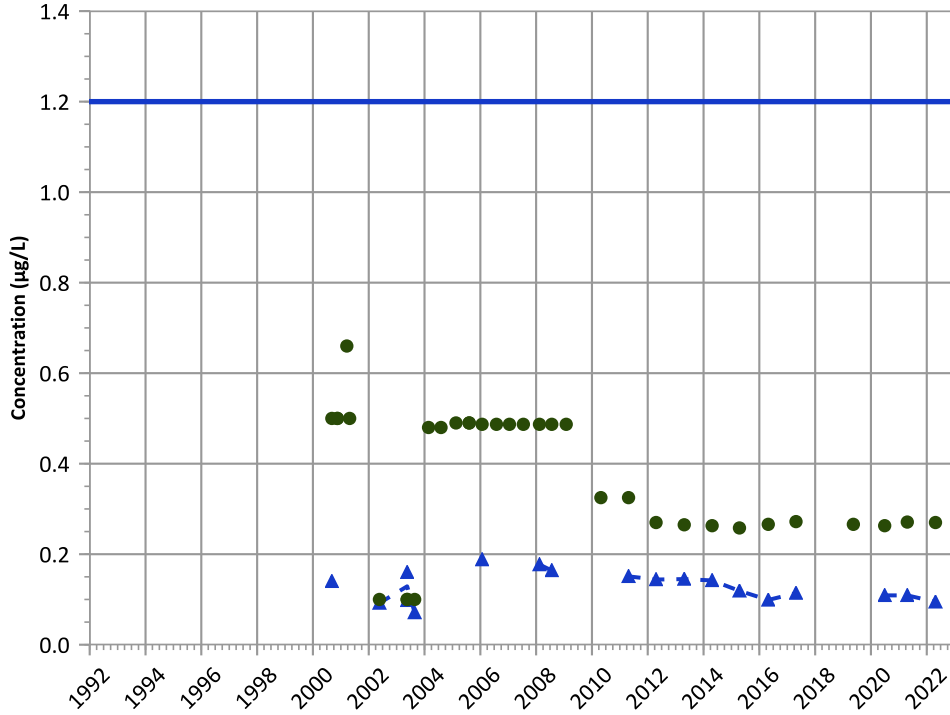
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

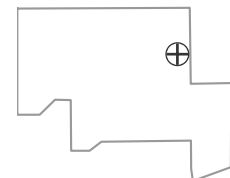
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

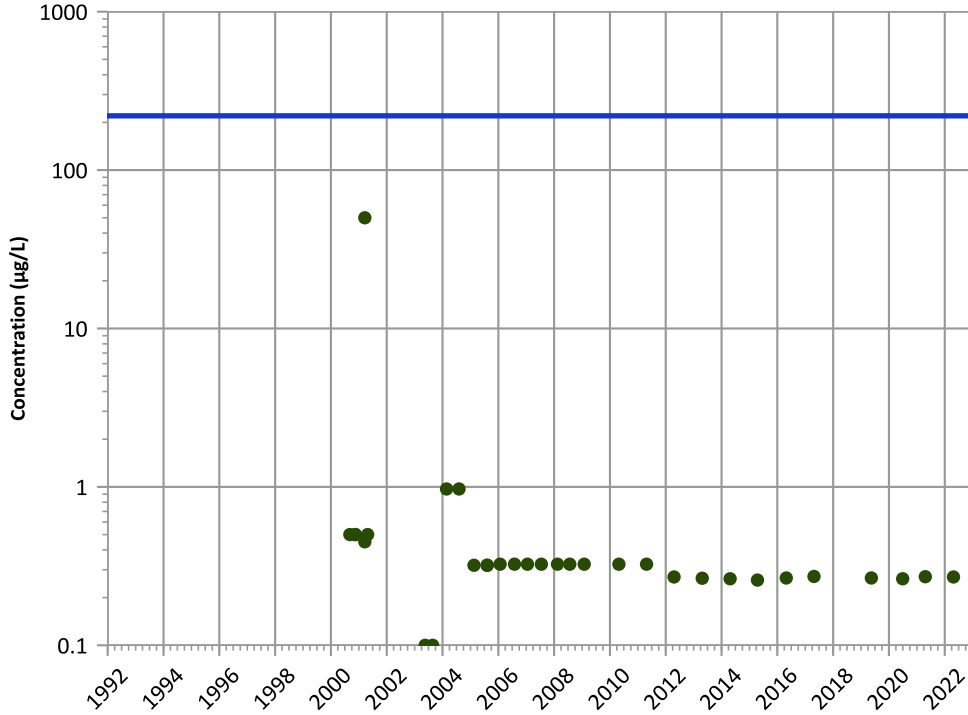
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

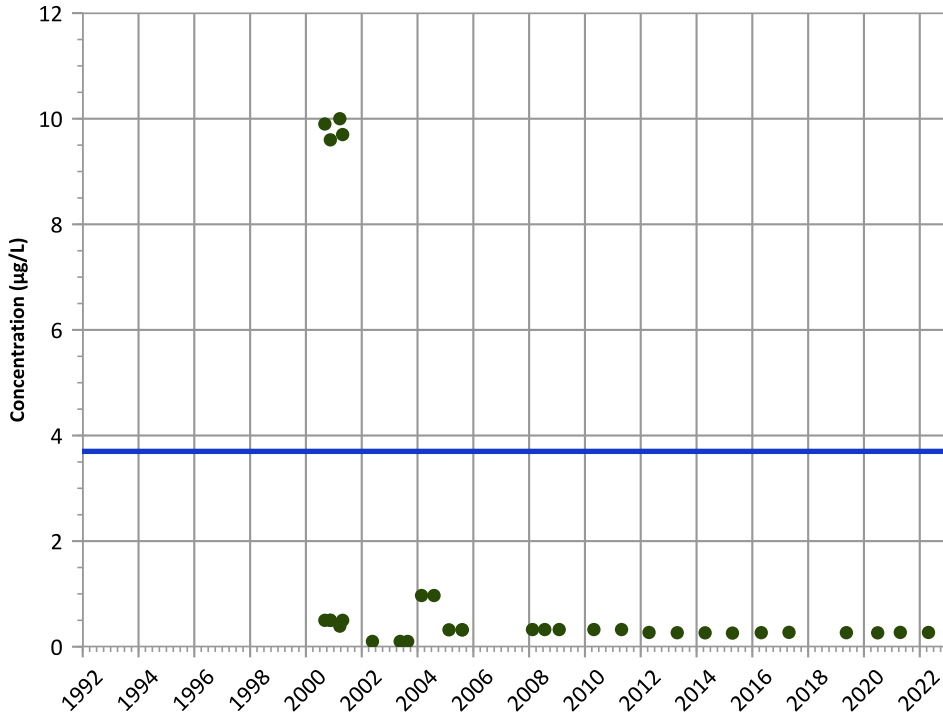
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

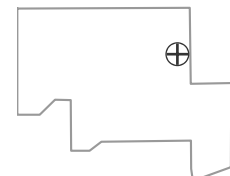
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

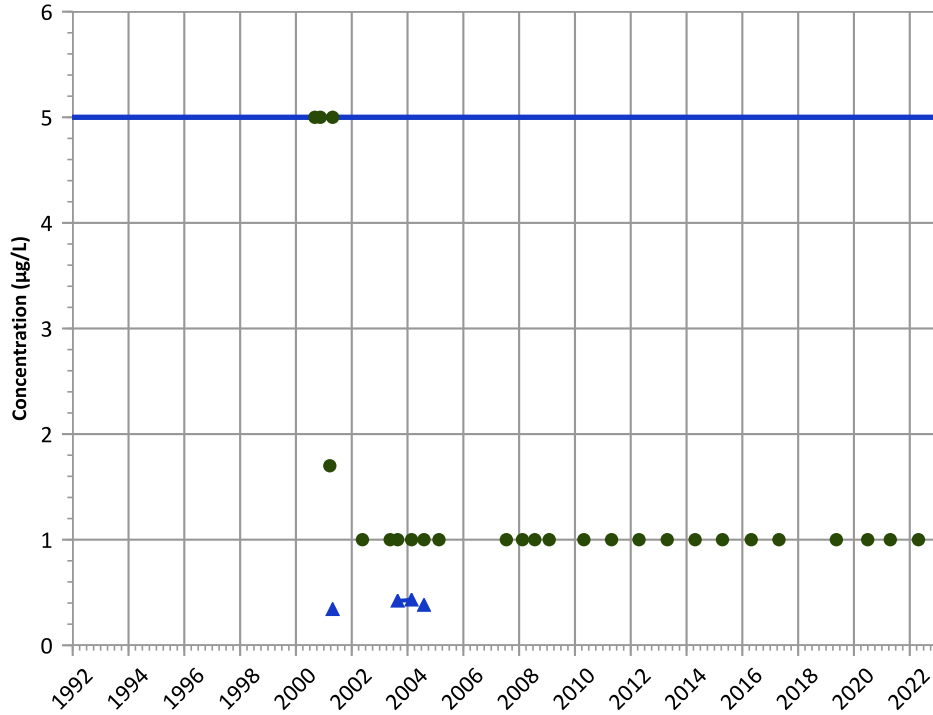
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

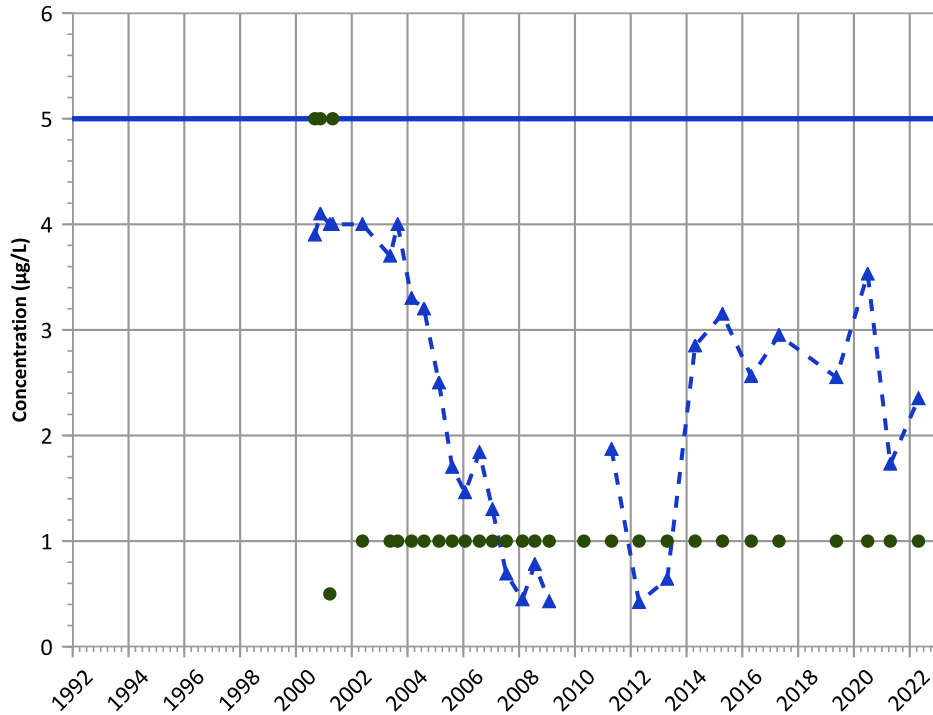
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

No Trend

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

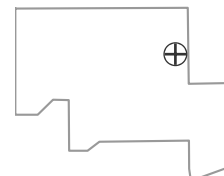
2020 - 2022 Data:

Stable

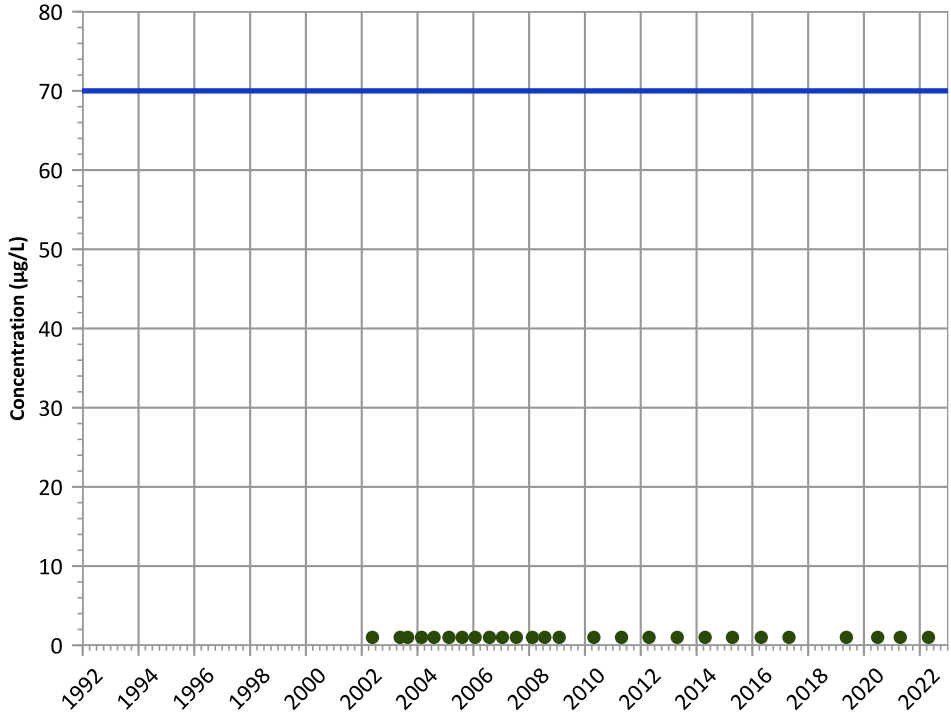
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

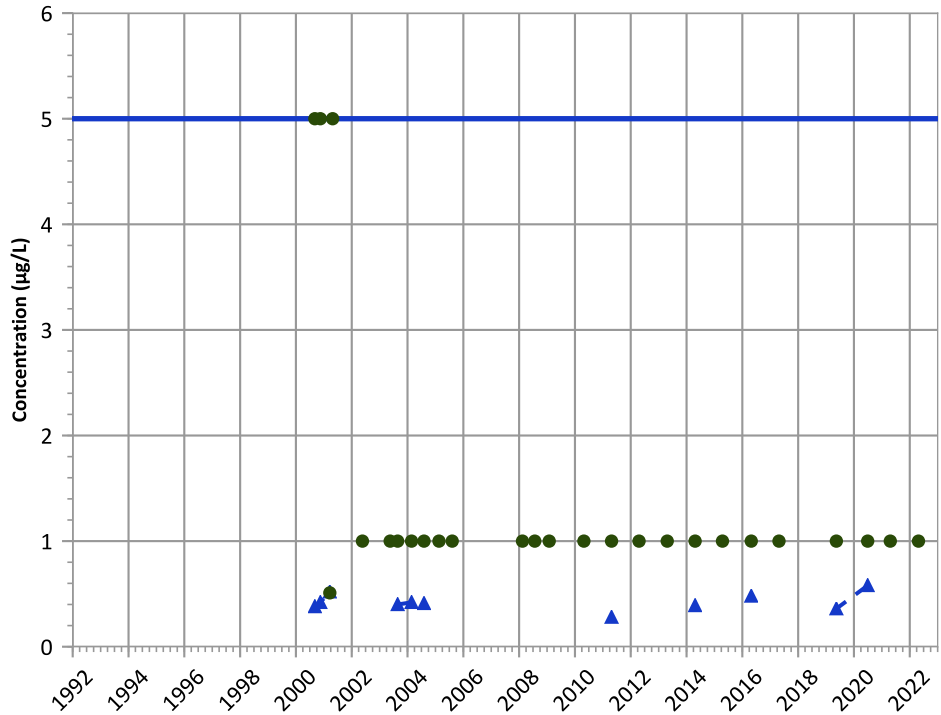
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Probably Increasing

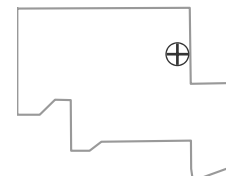
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

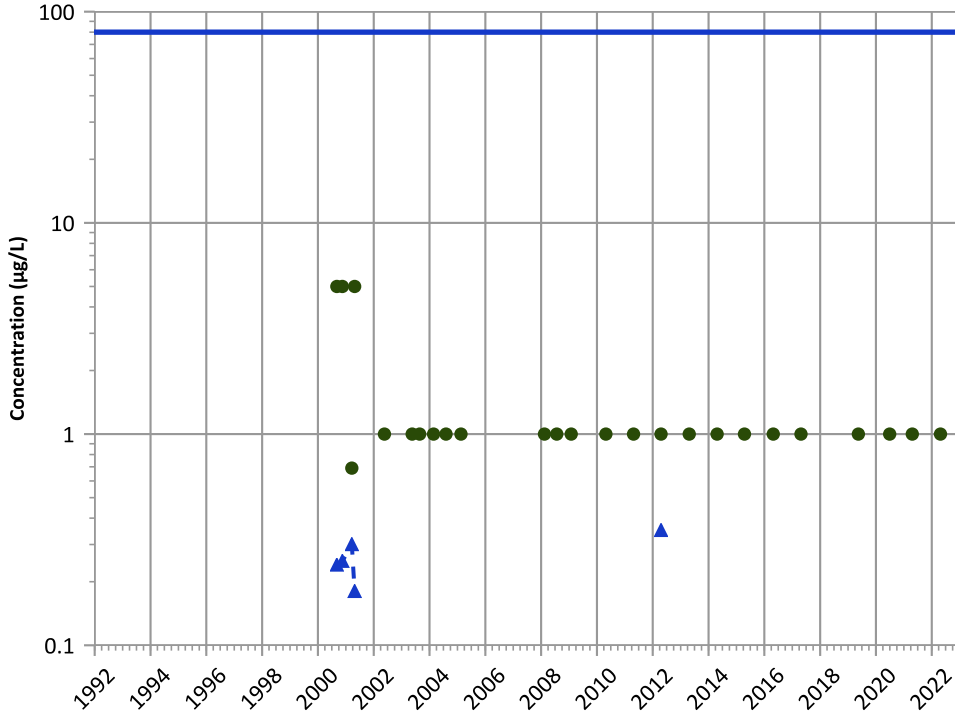
**Well Location**





PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

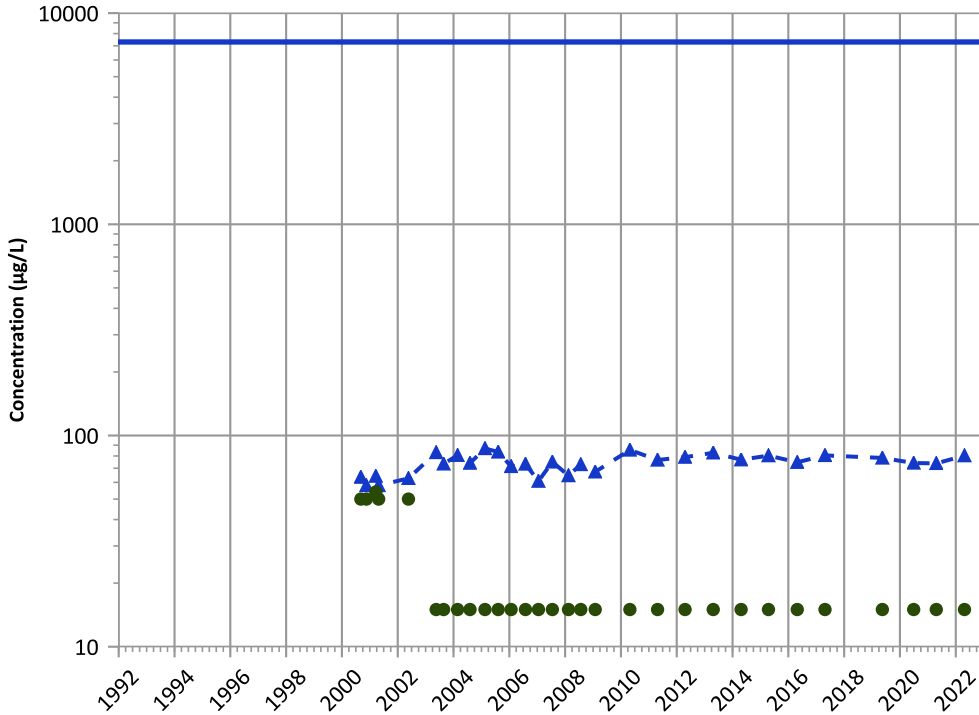


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

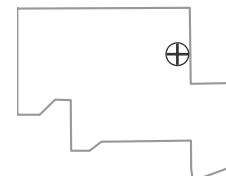
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

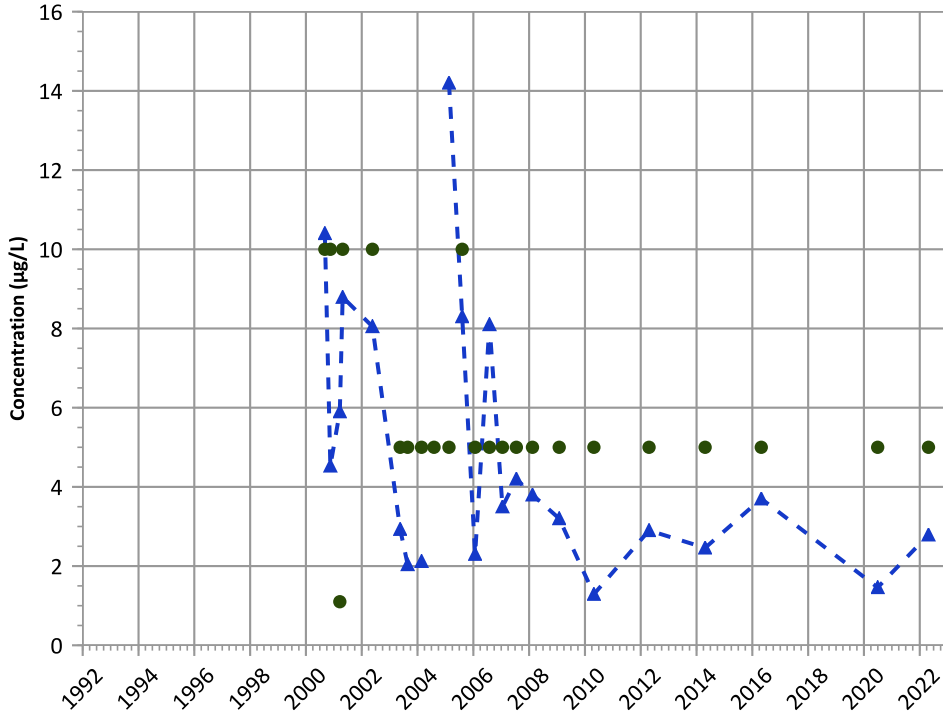
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

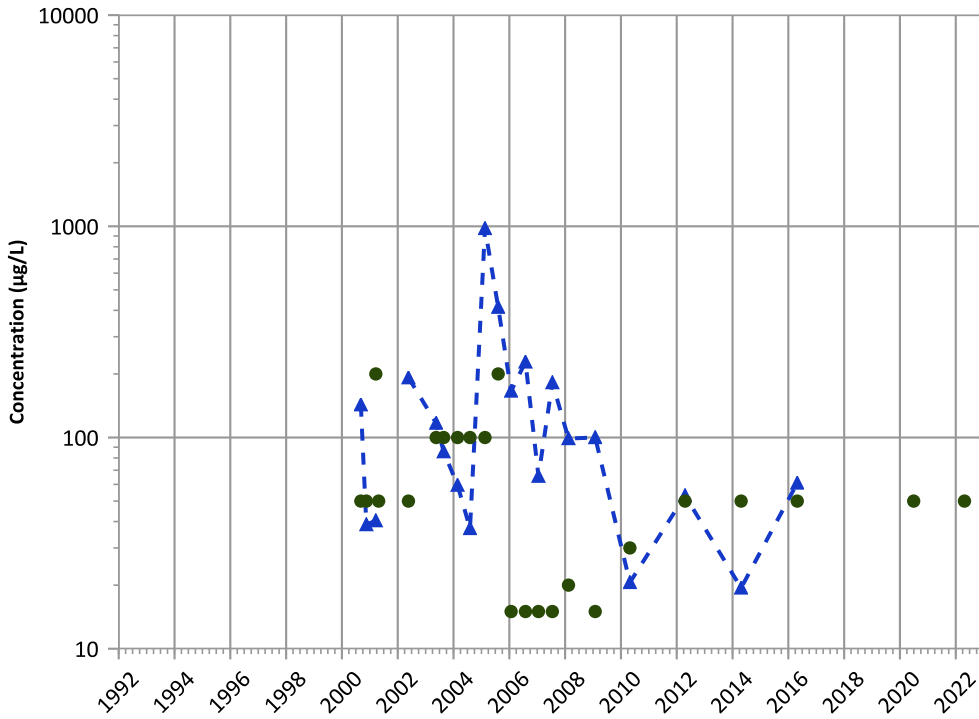


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

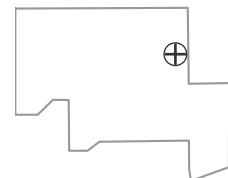
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

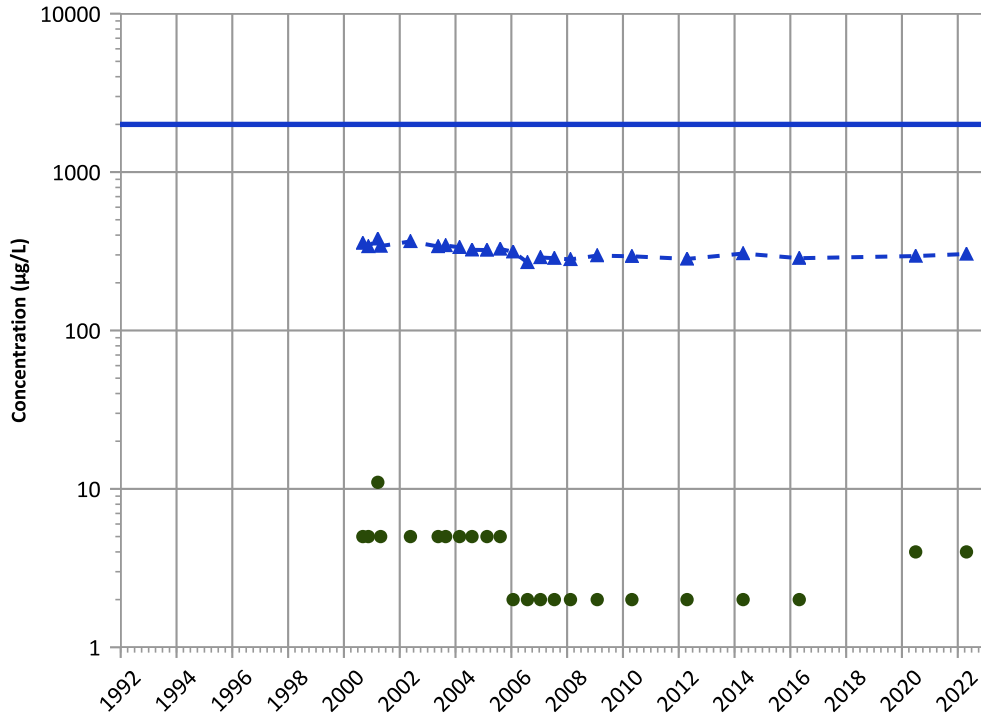
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

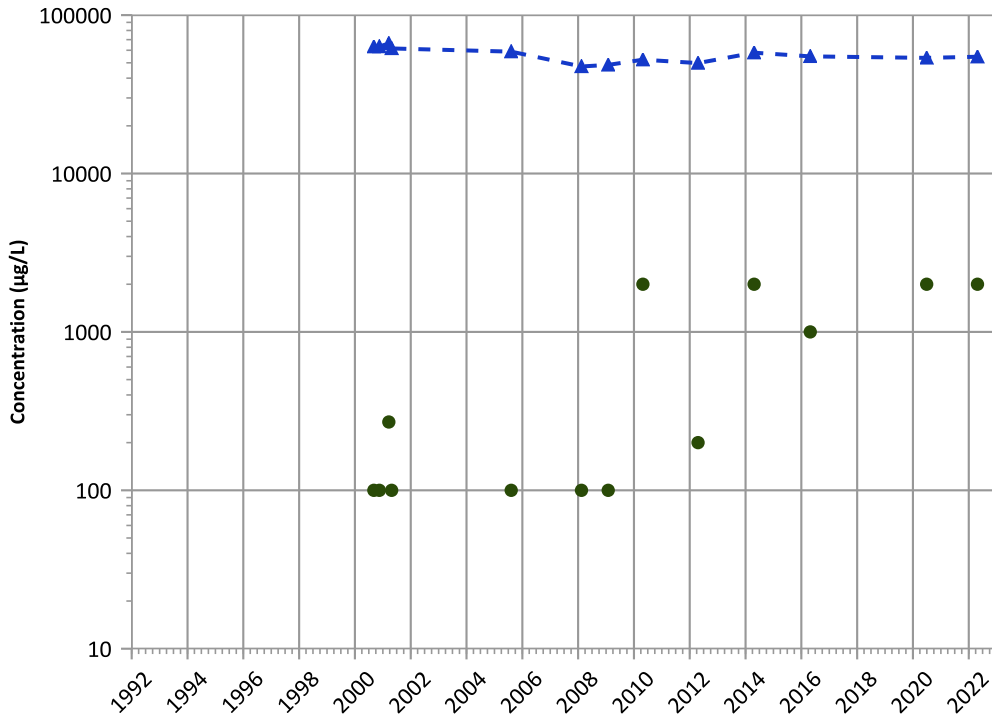


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

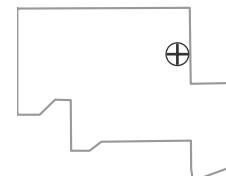
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

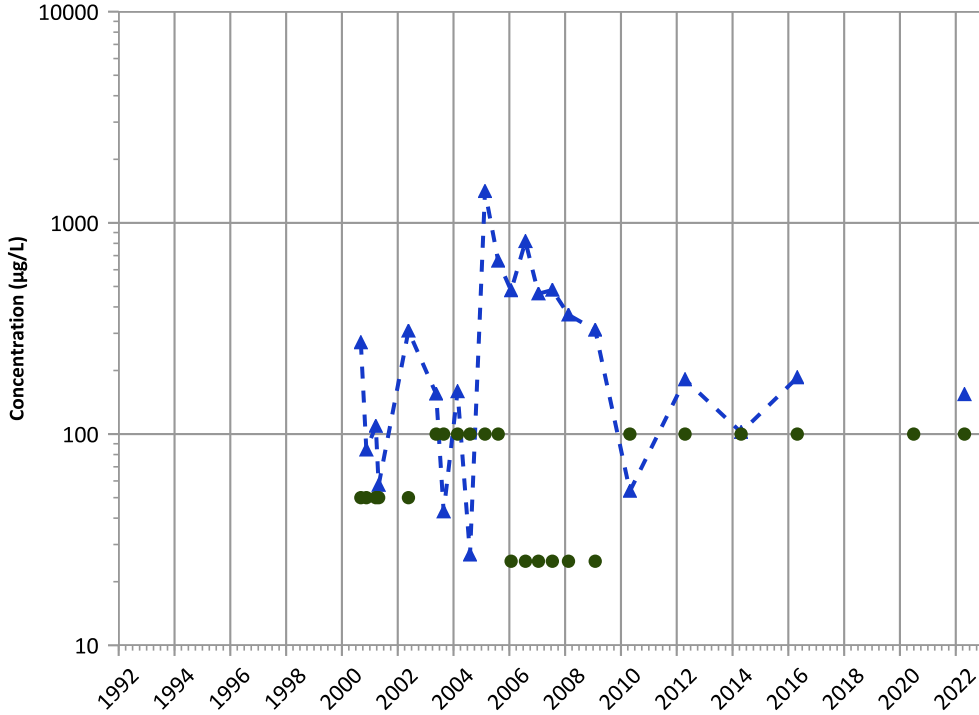
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

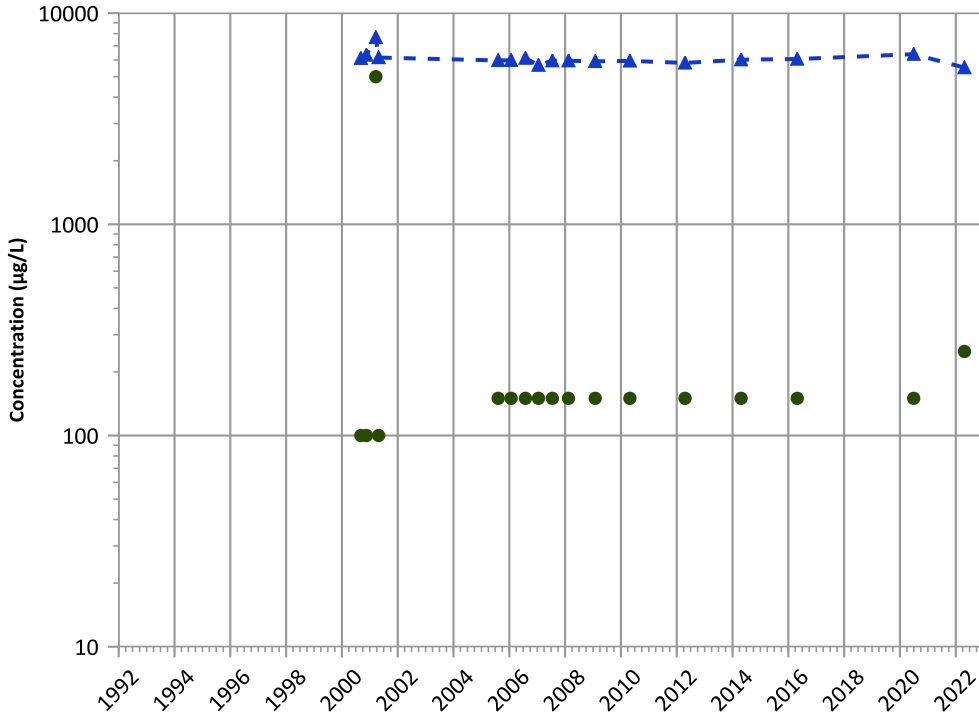


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Potassium Trend



Concentration Trend

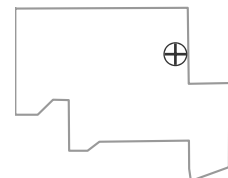
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

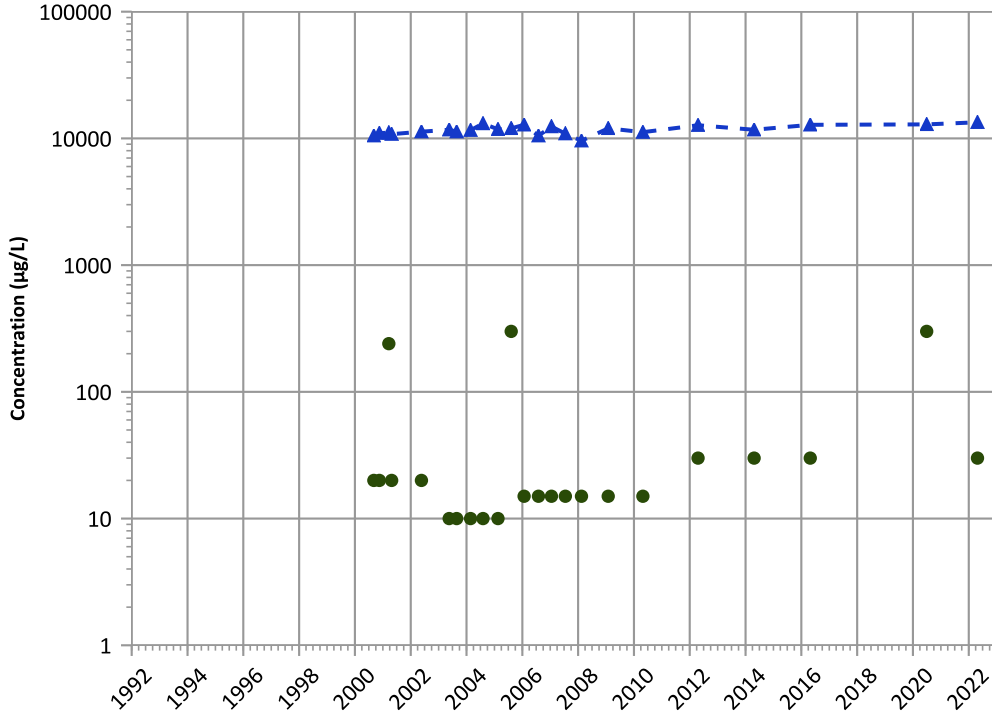
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1048A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

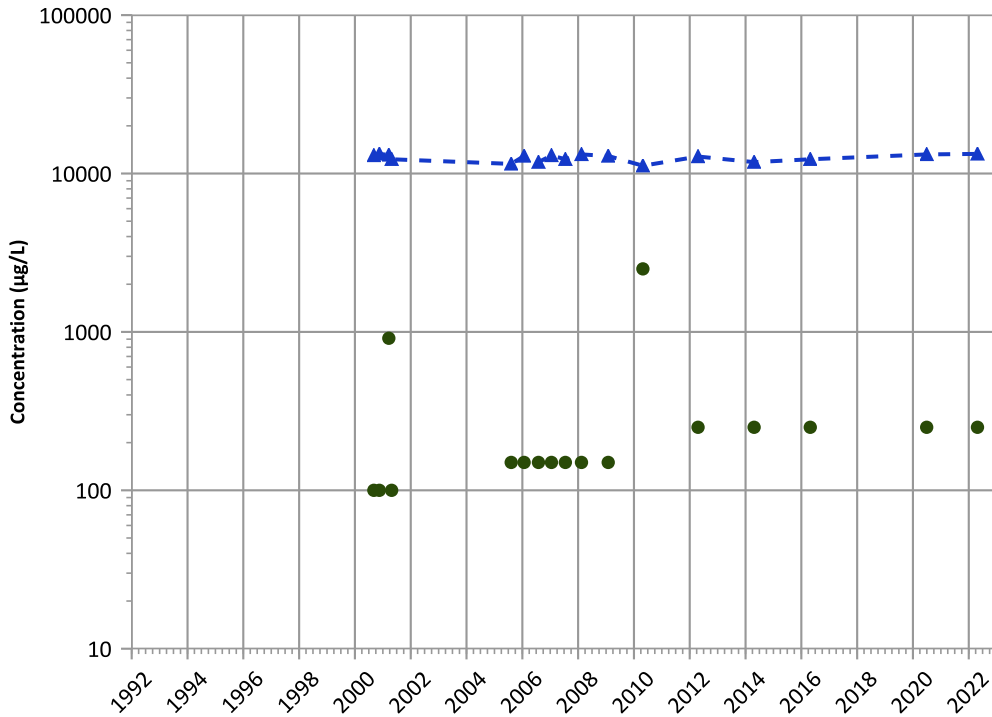
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

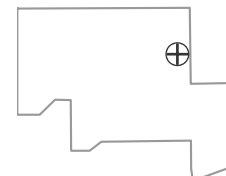
2020 - 2022 Data:

Increasing

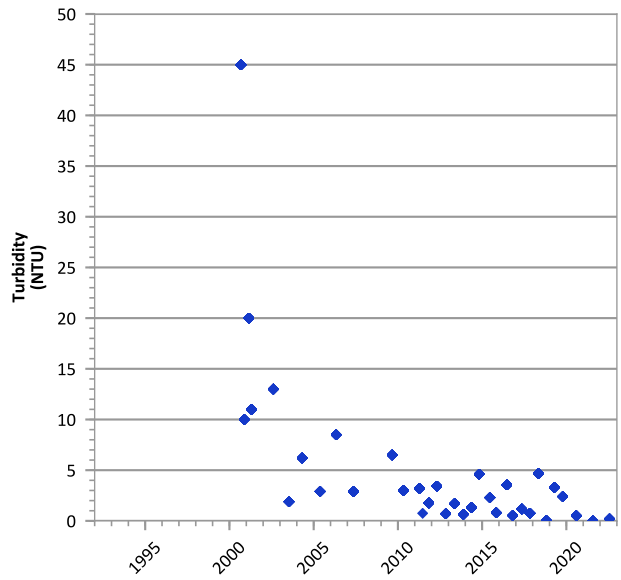
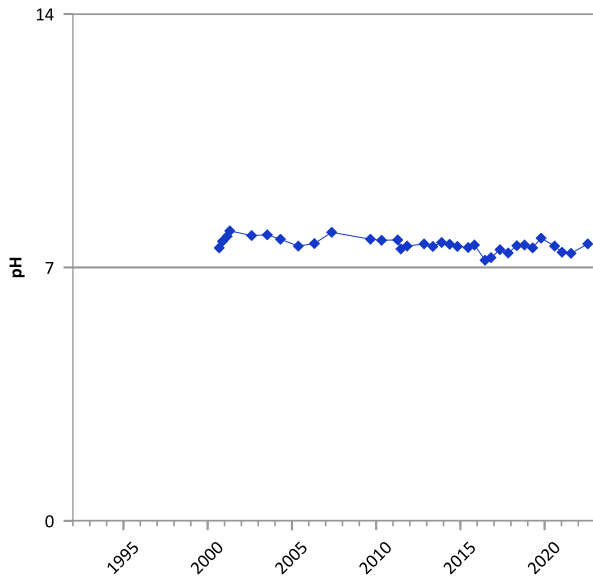
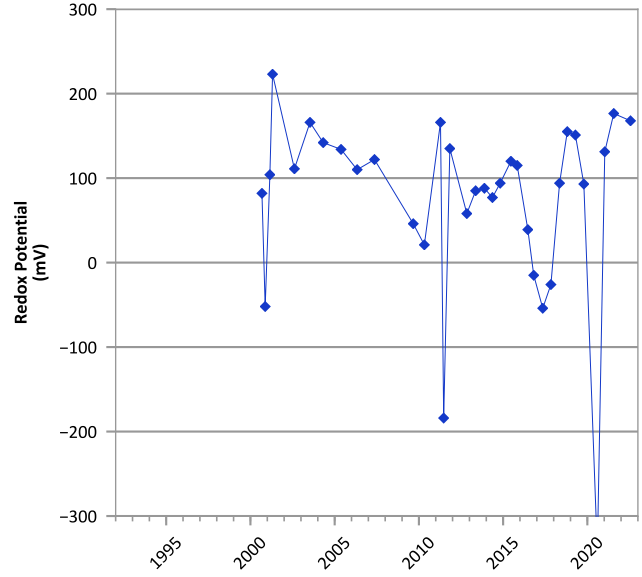
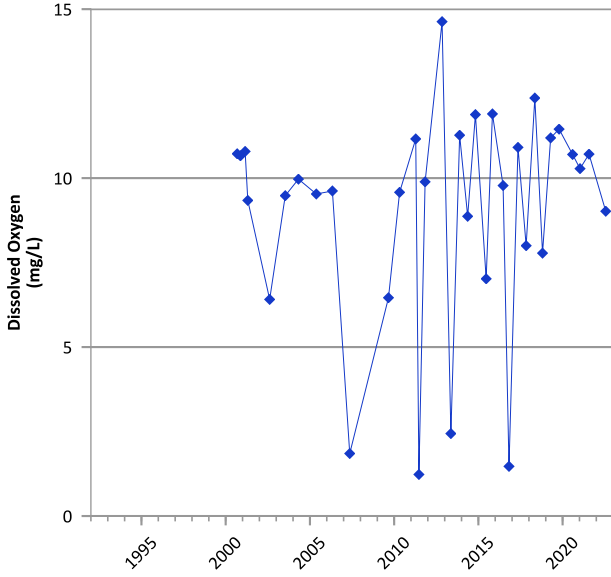
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 04/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

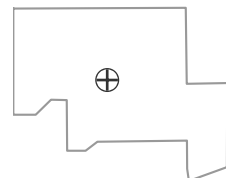


**PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



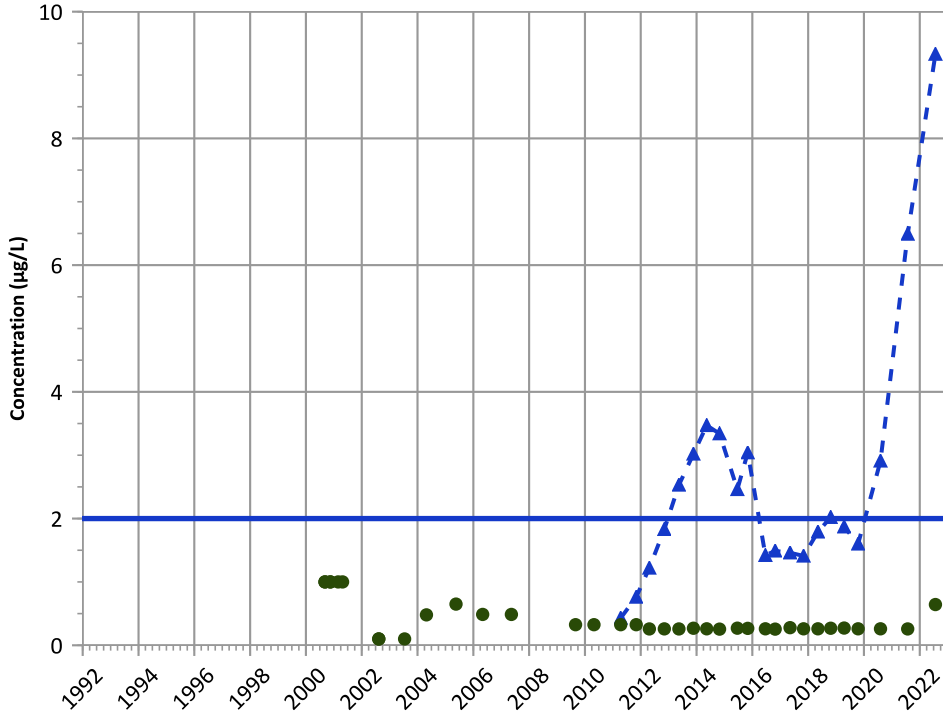
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/07/2000 to 07/25/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

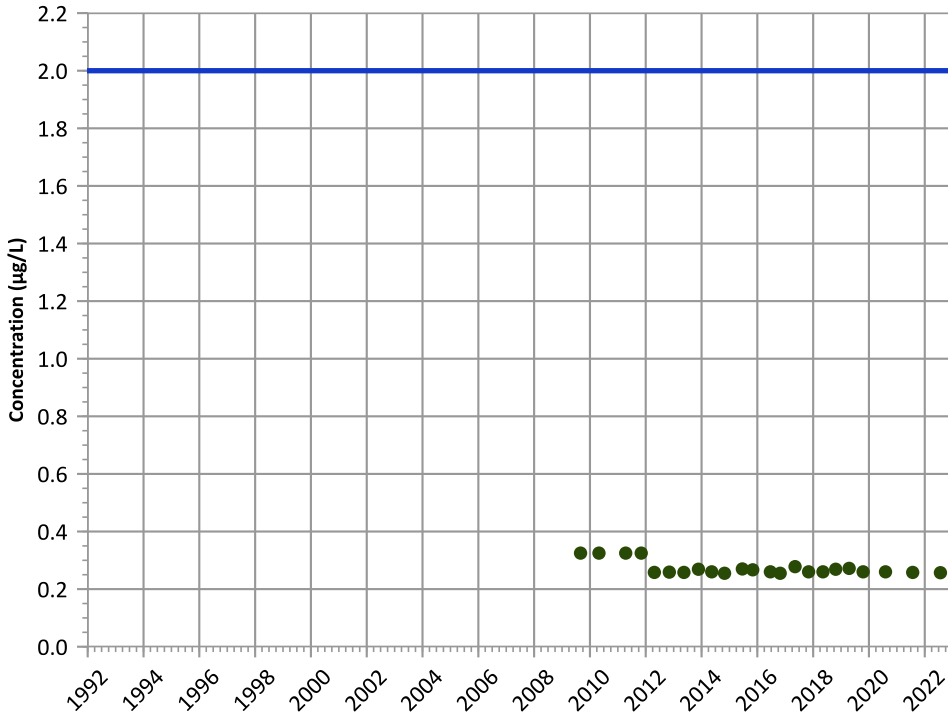
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

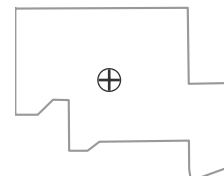
2020 - 2022 Data:

All Non-Detect

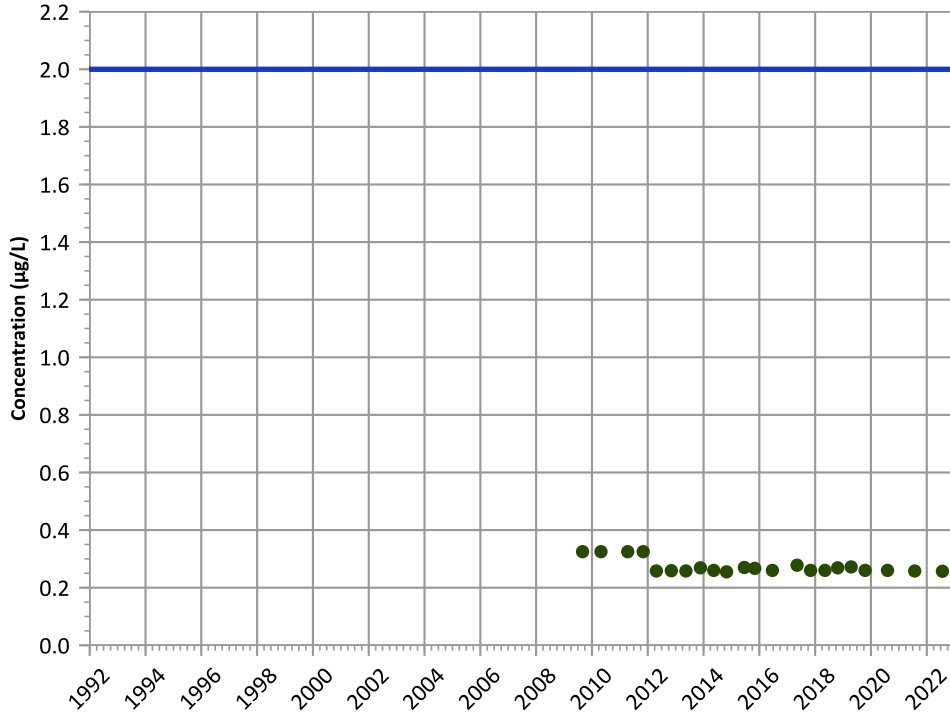
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

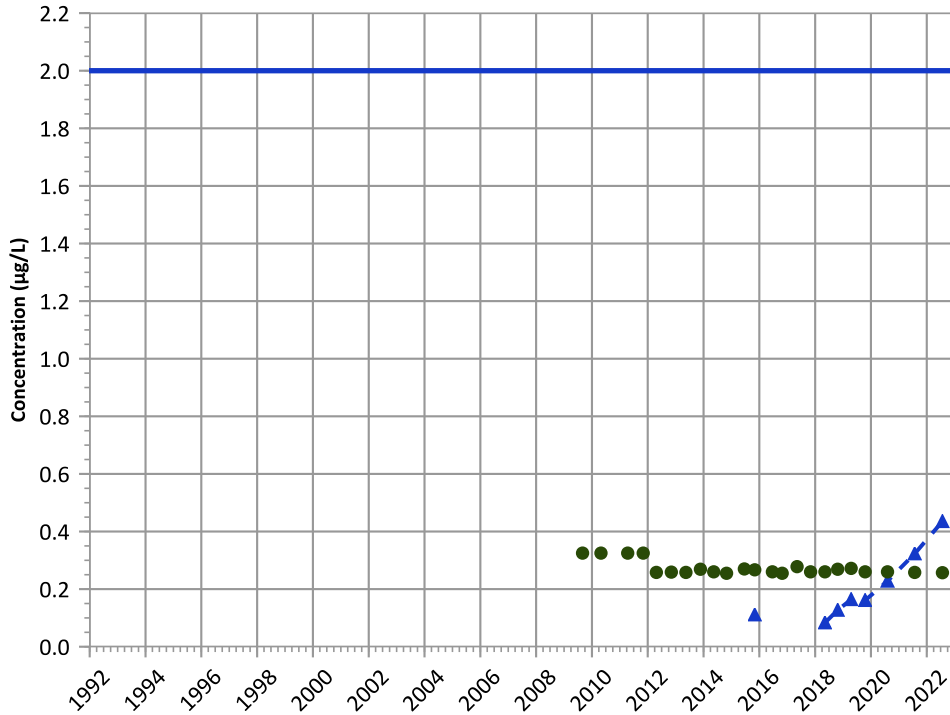


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

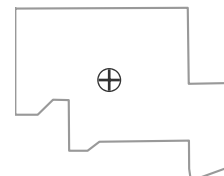
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

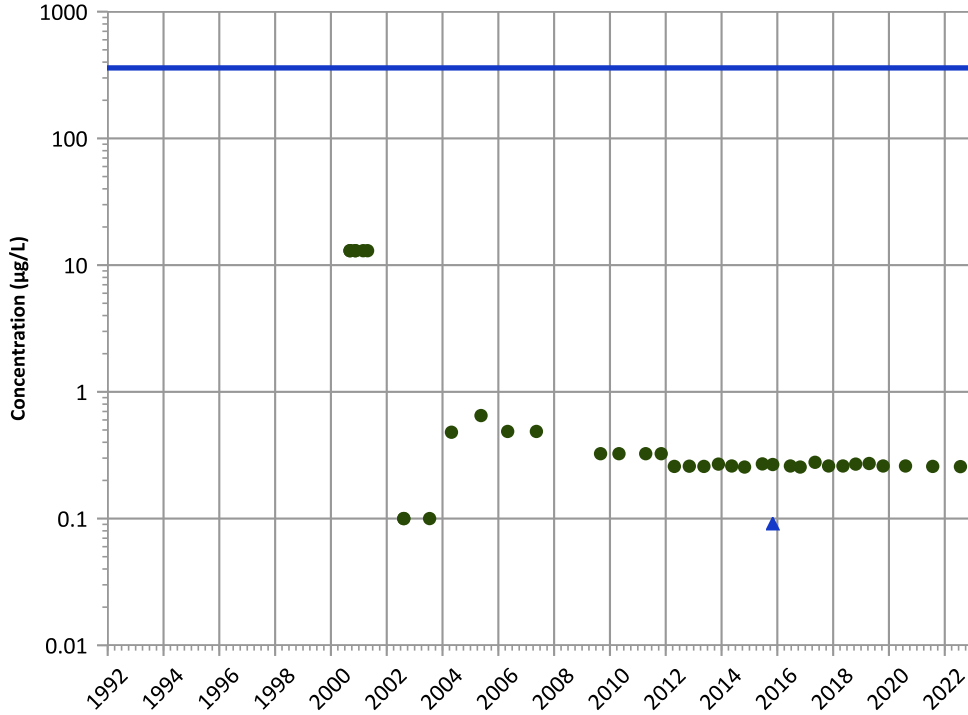
**Well Location**





PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

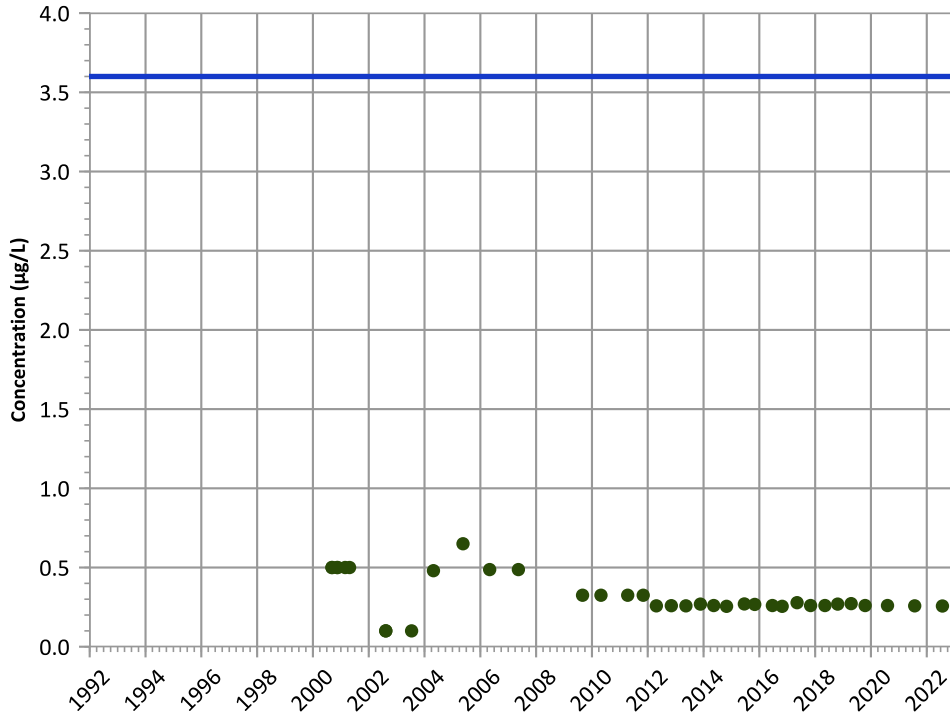


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

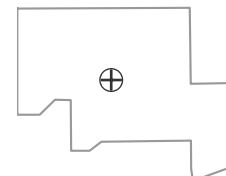
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

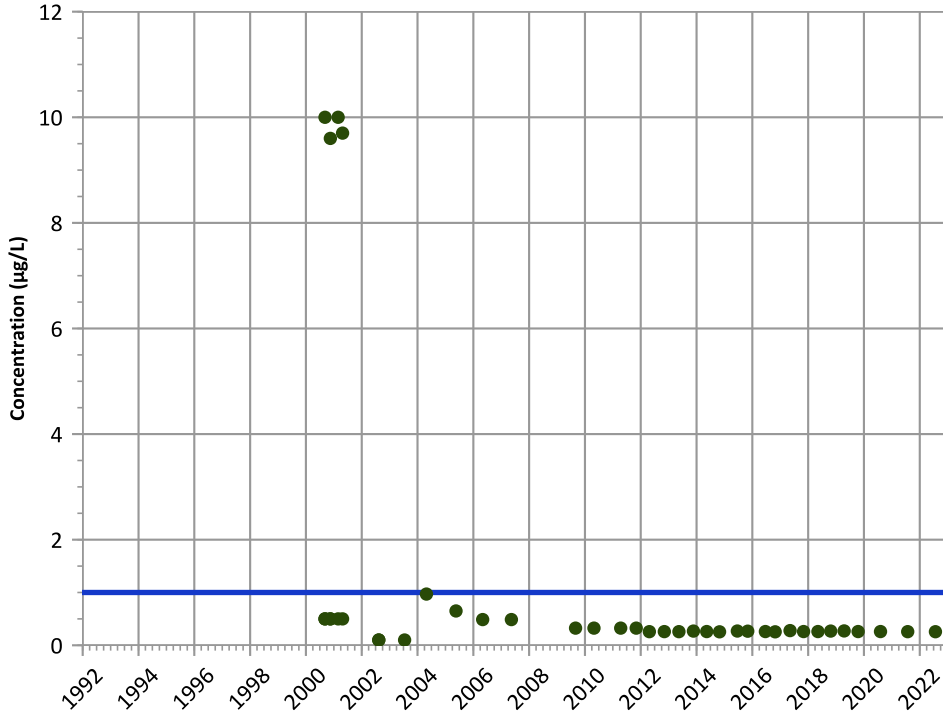
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

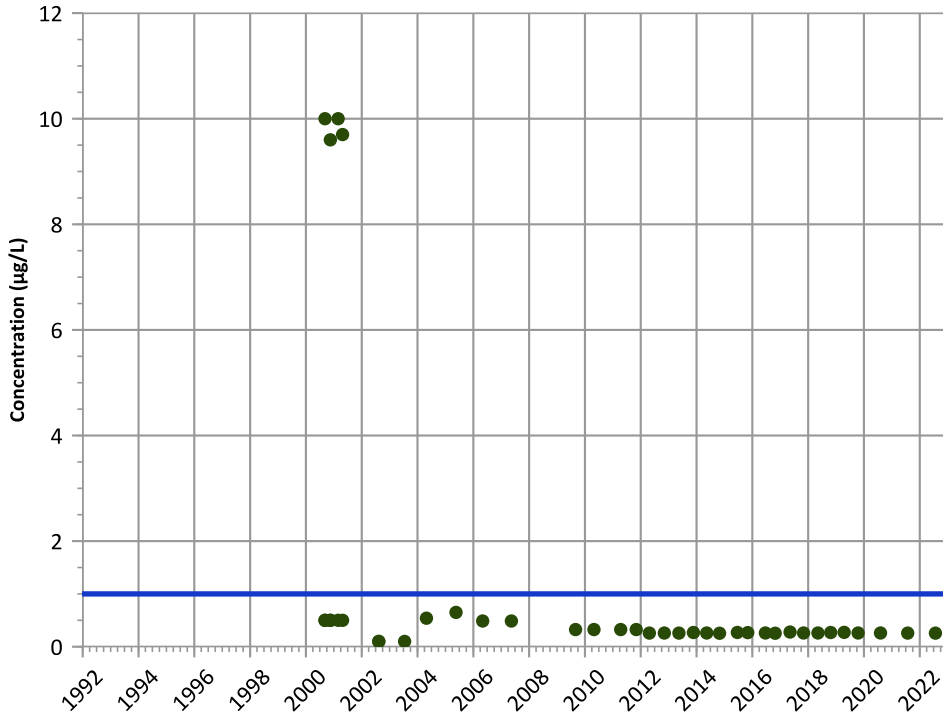
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

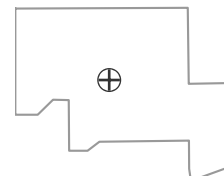
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

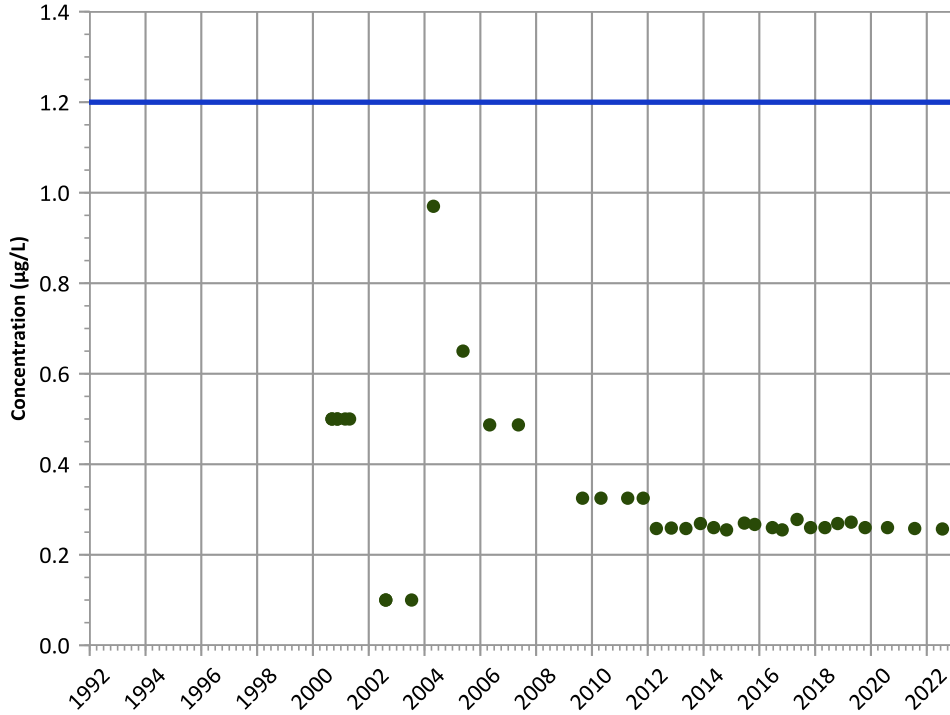
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

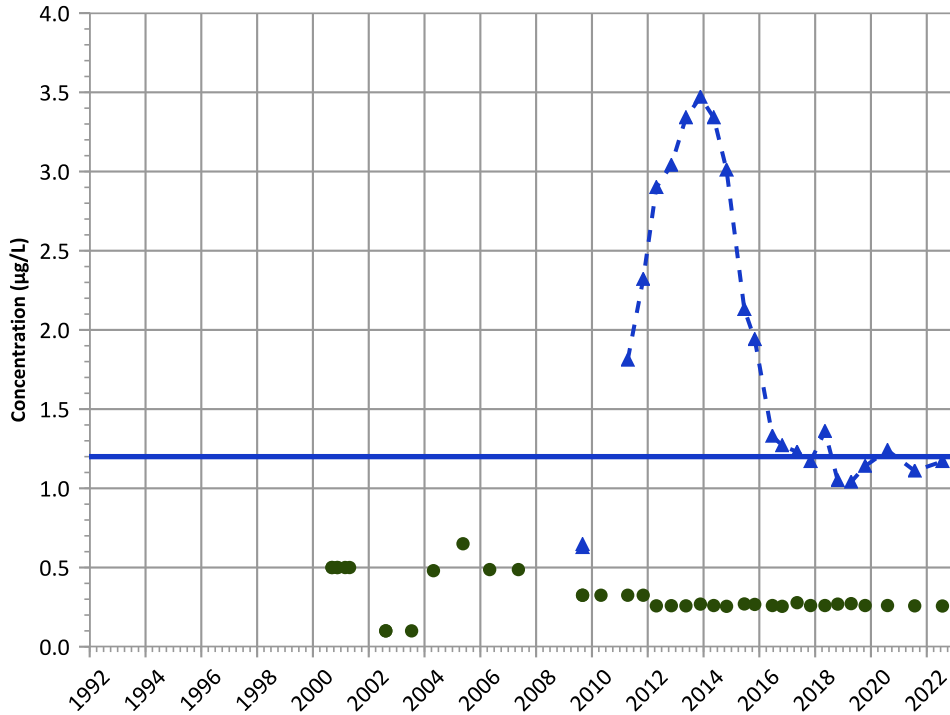


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

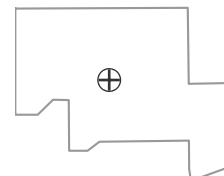
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

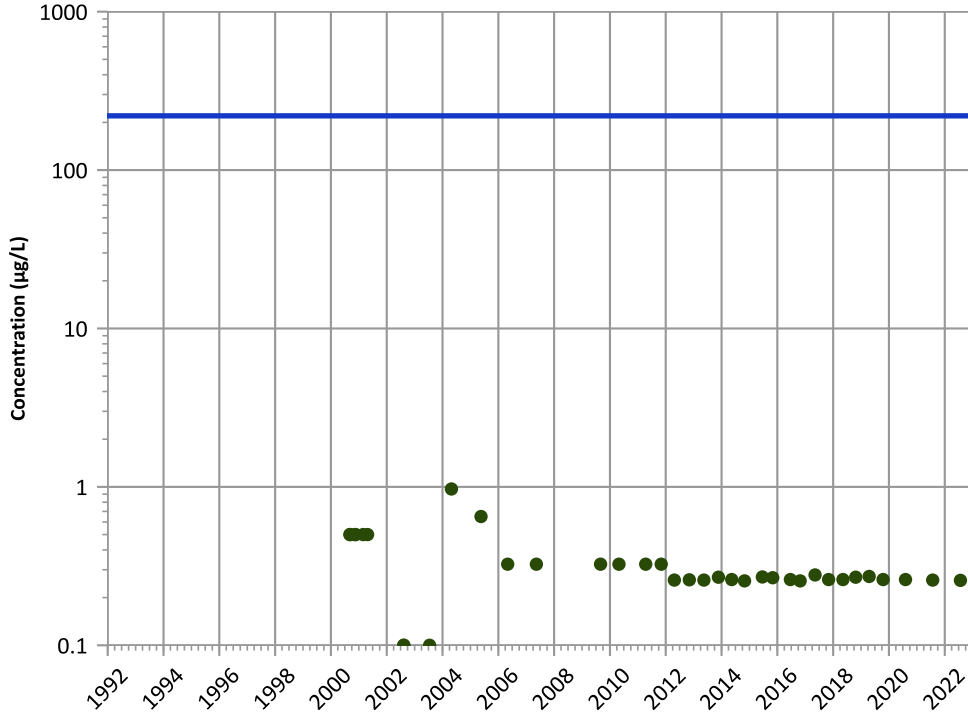
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

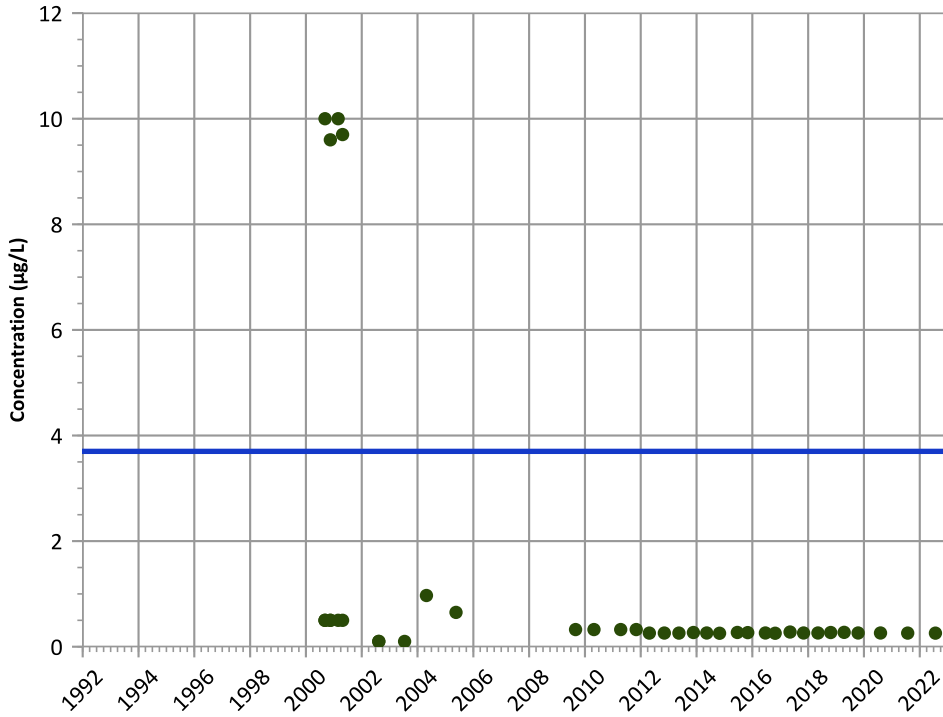
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

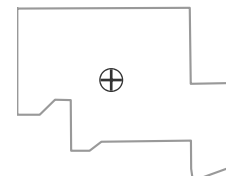
2020 - 2022 Data:

All Non-Detect

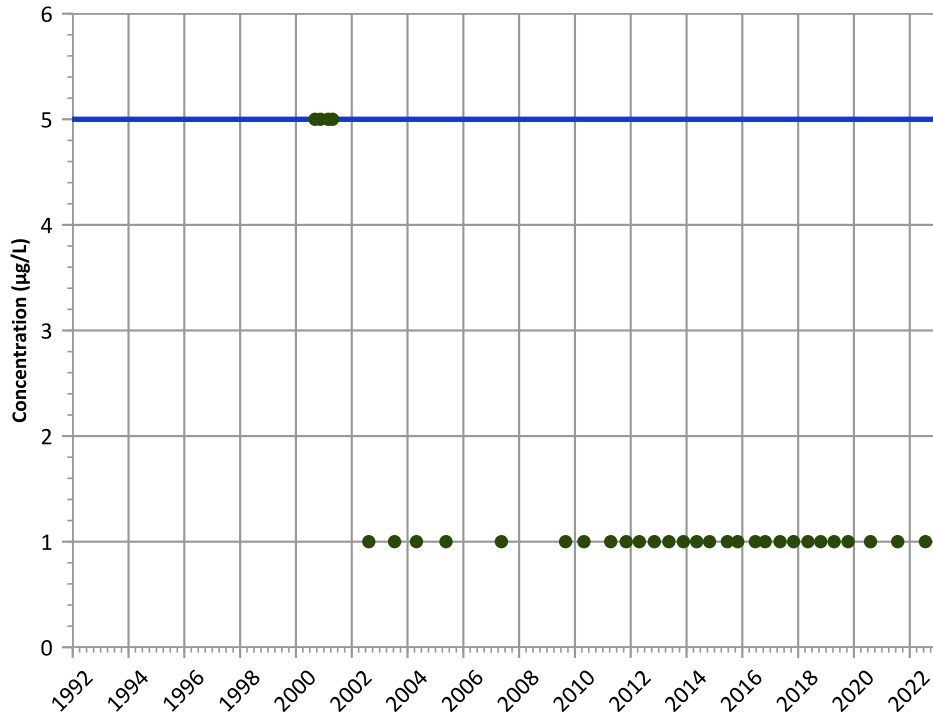
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

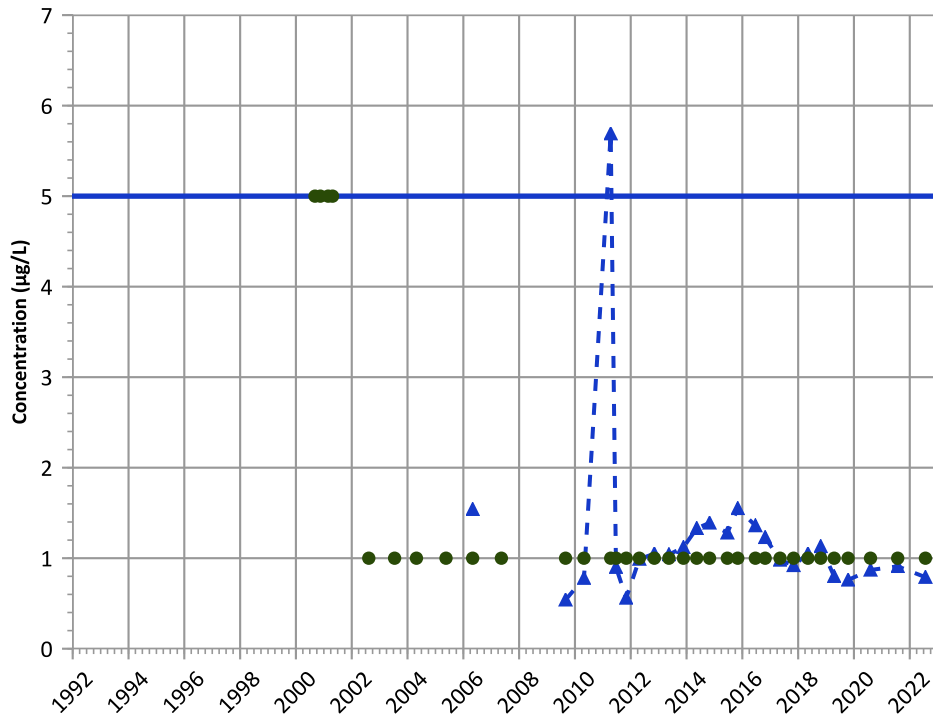


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

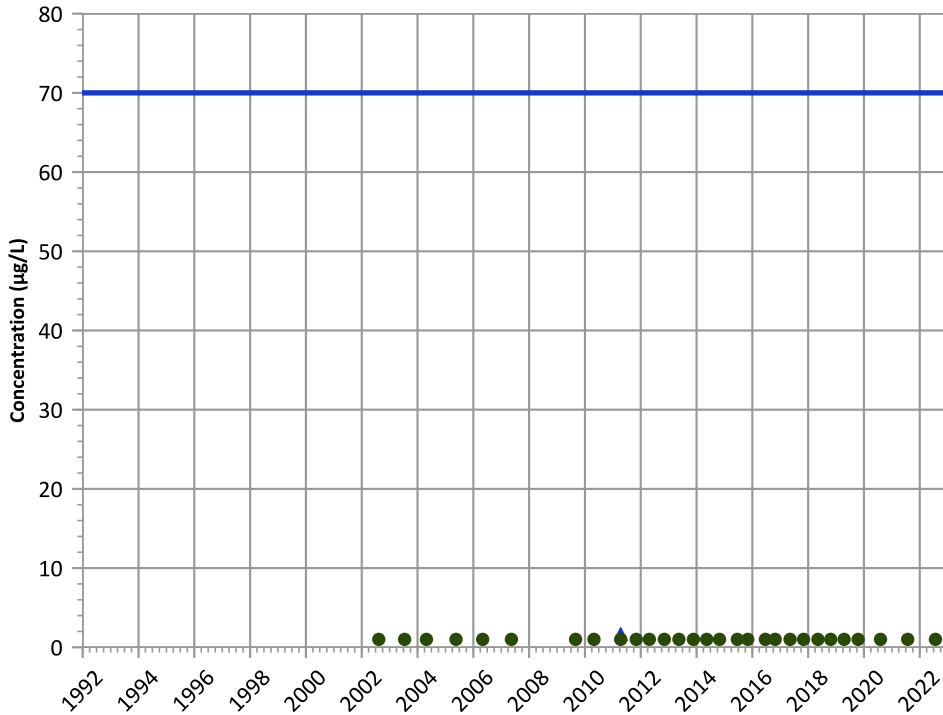
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

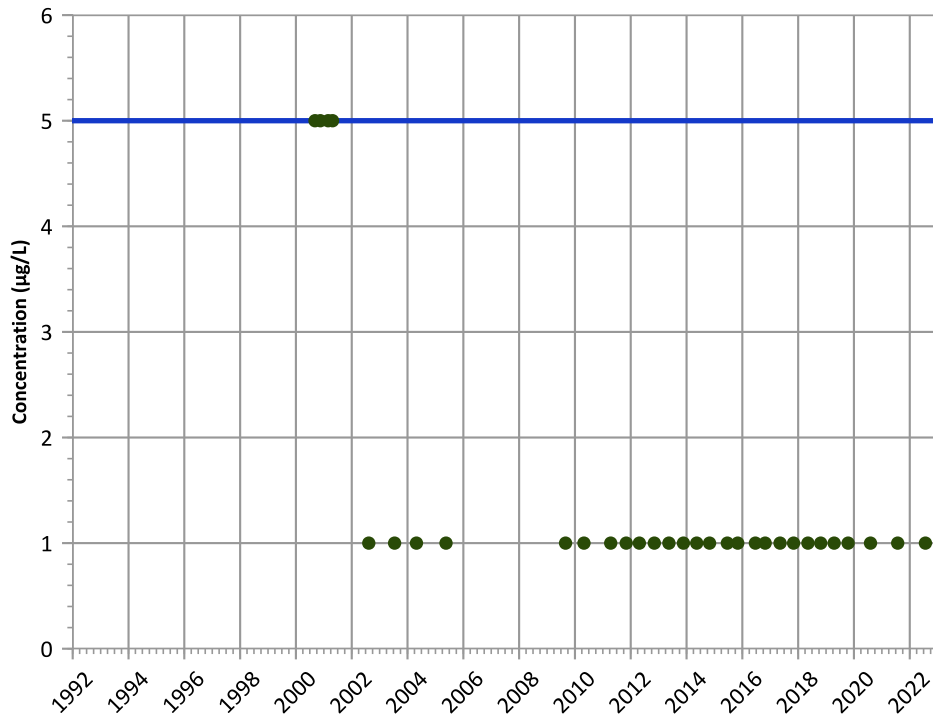


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

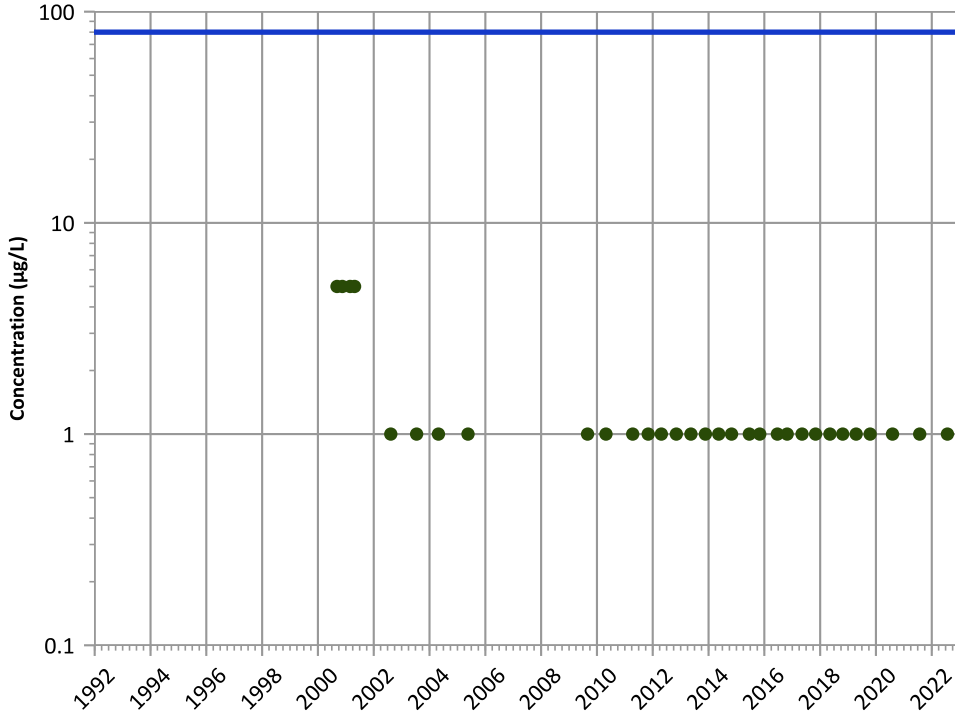
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend

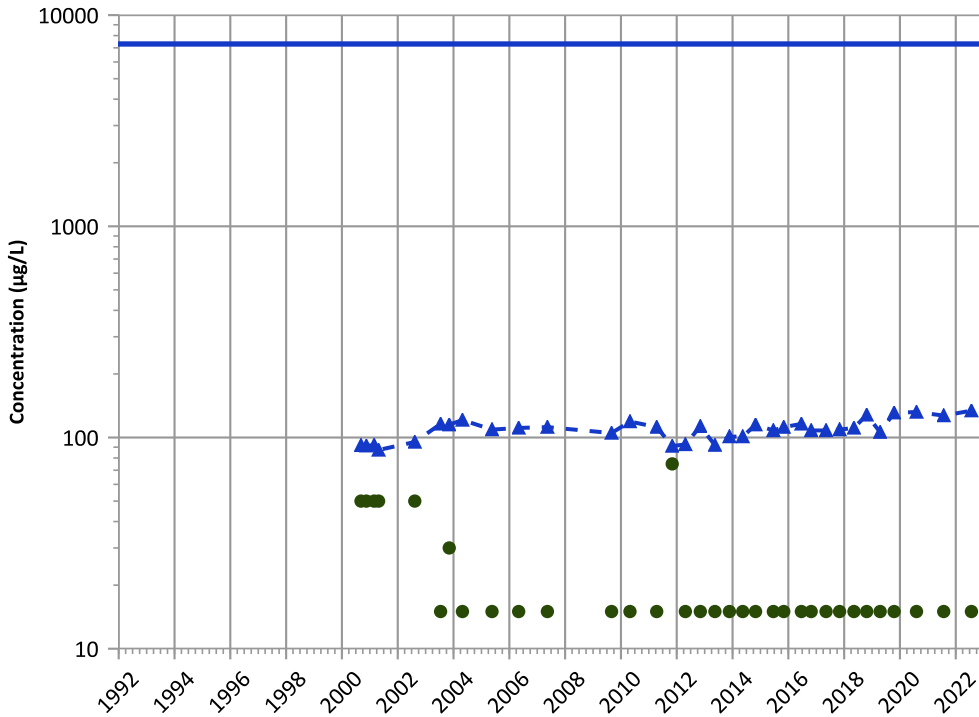


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Boron Trend

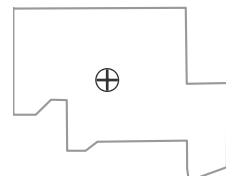


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

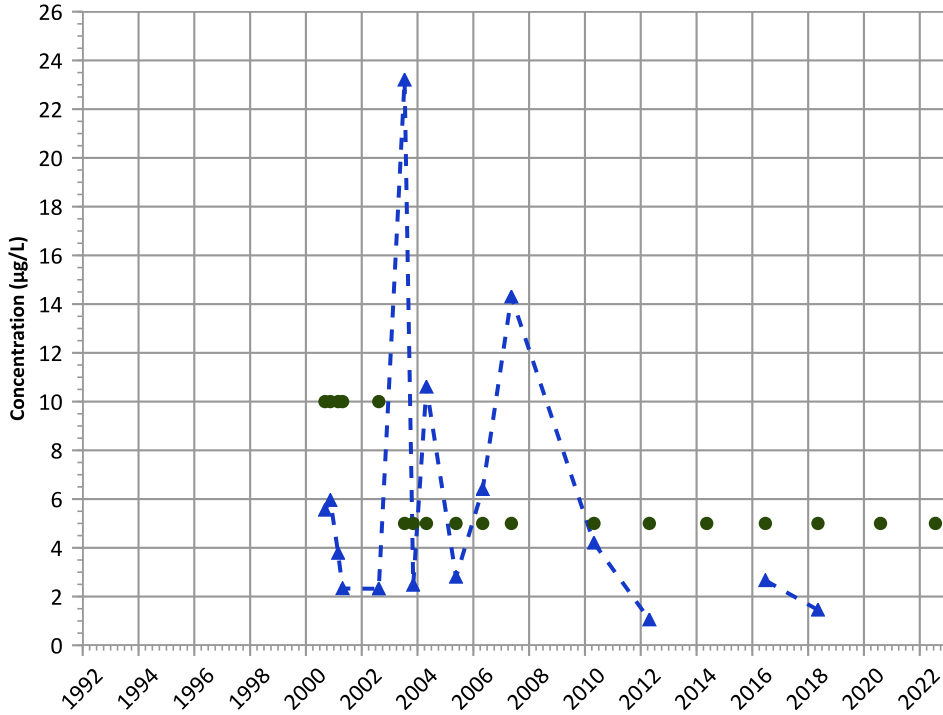


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

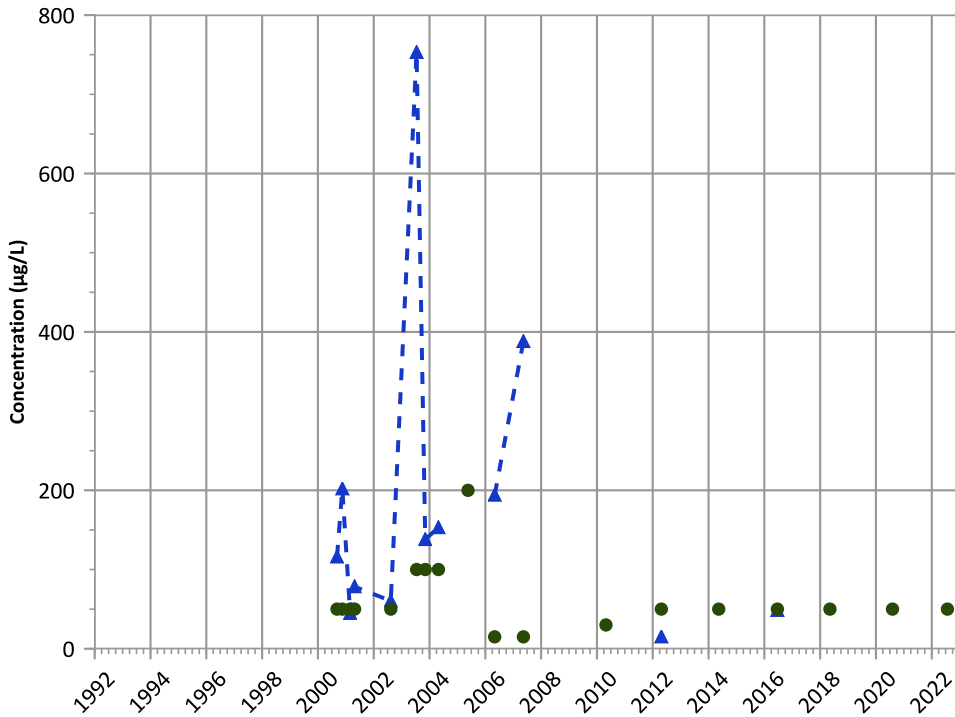


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

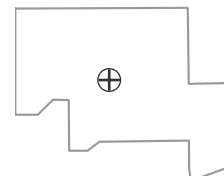
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

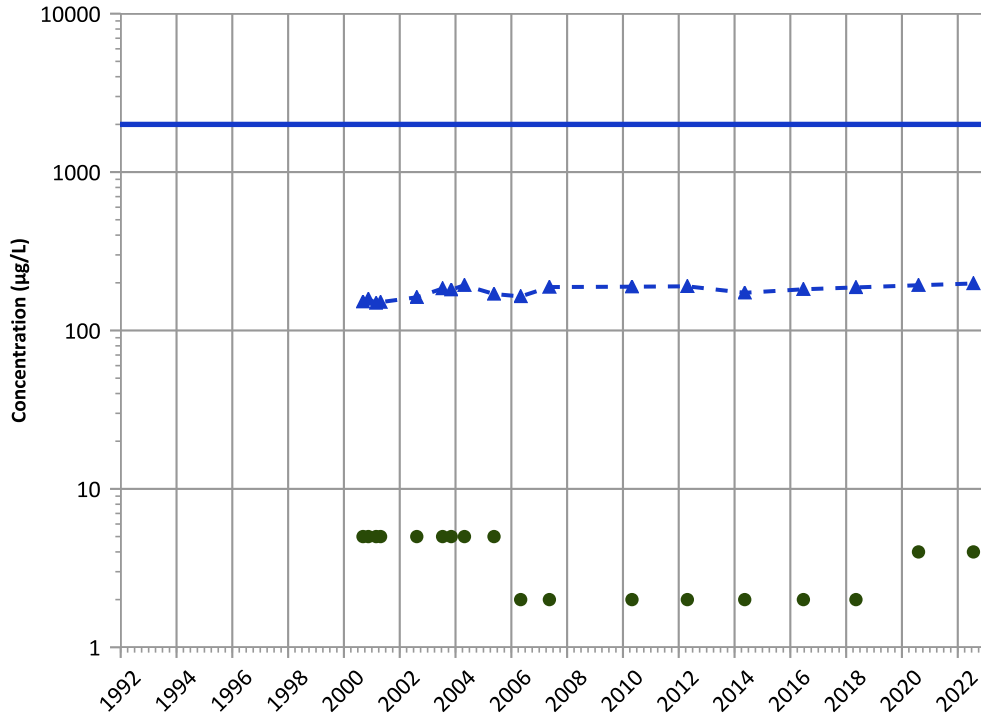
Well Location





PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

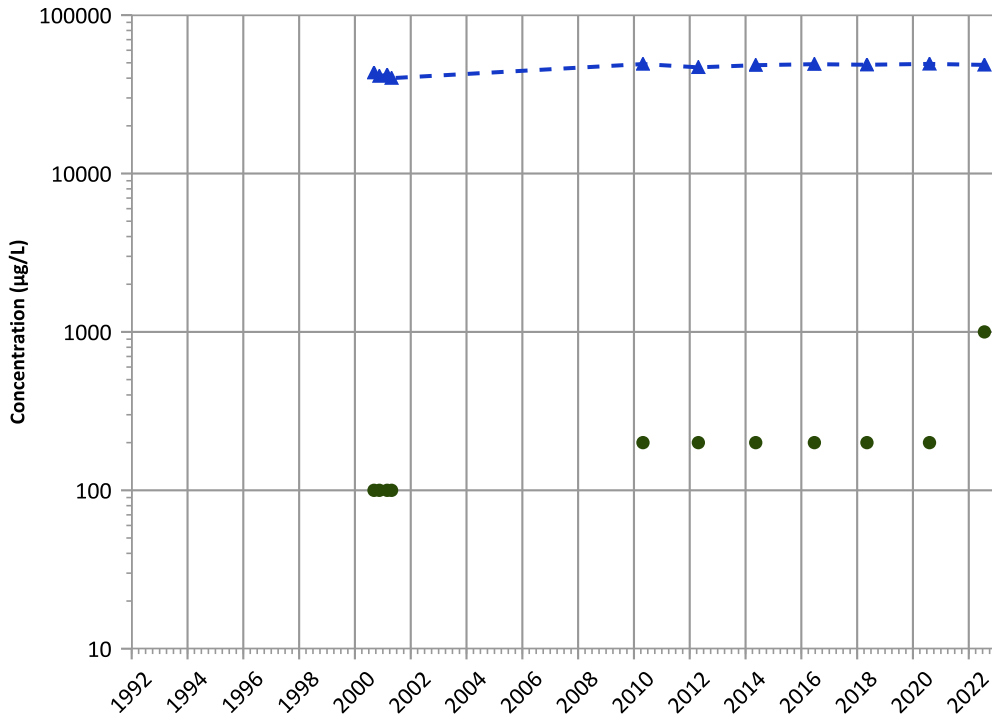


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

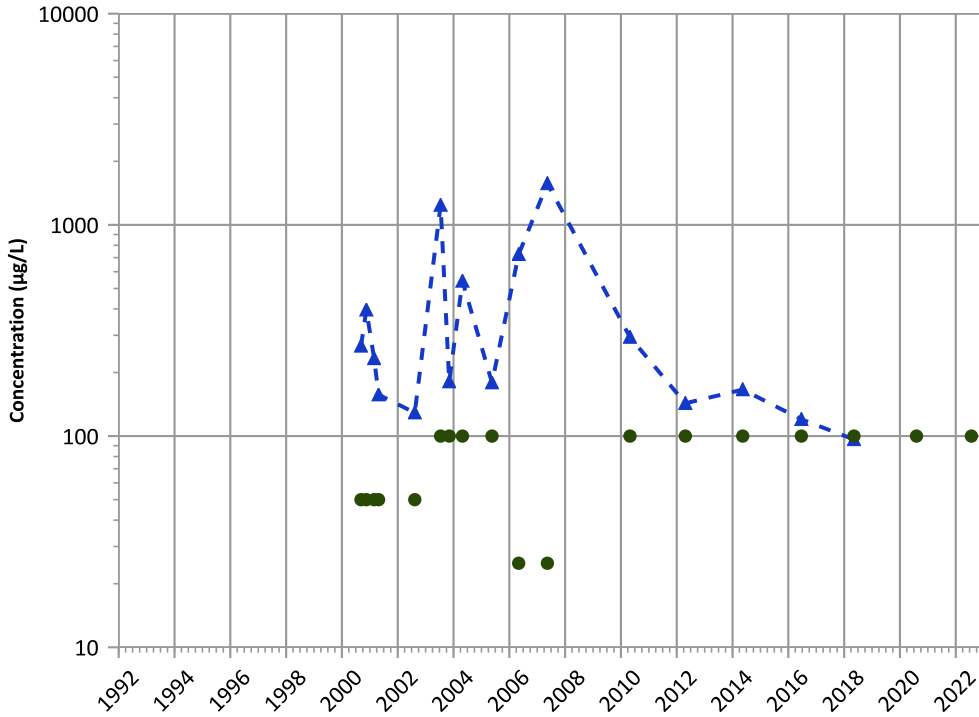
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

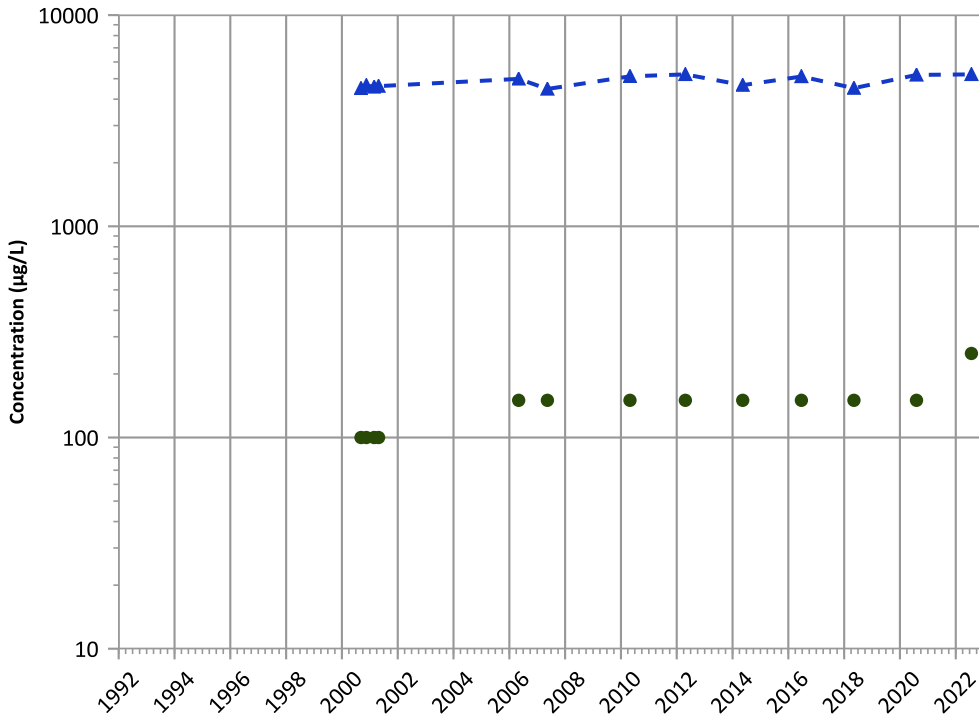
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

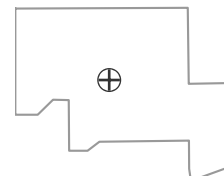
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

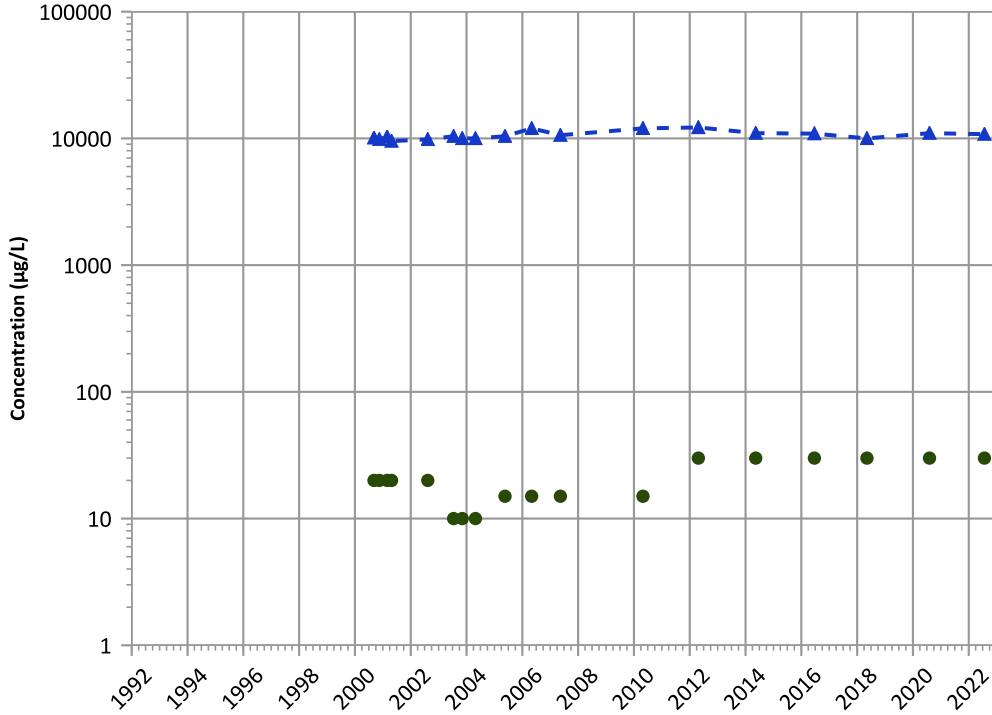
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

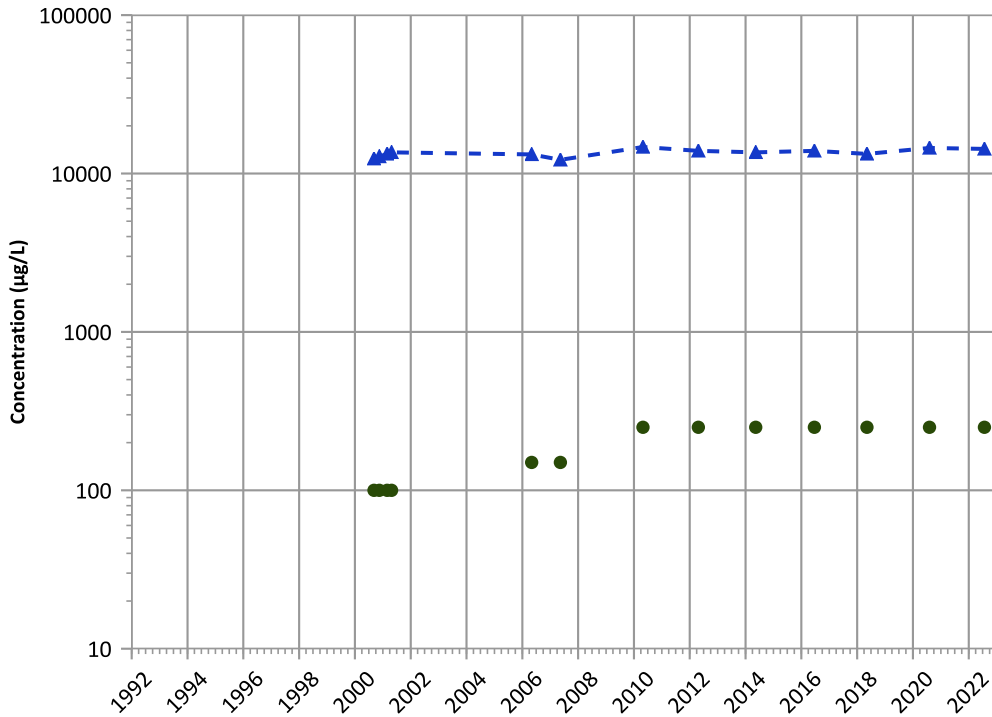
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

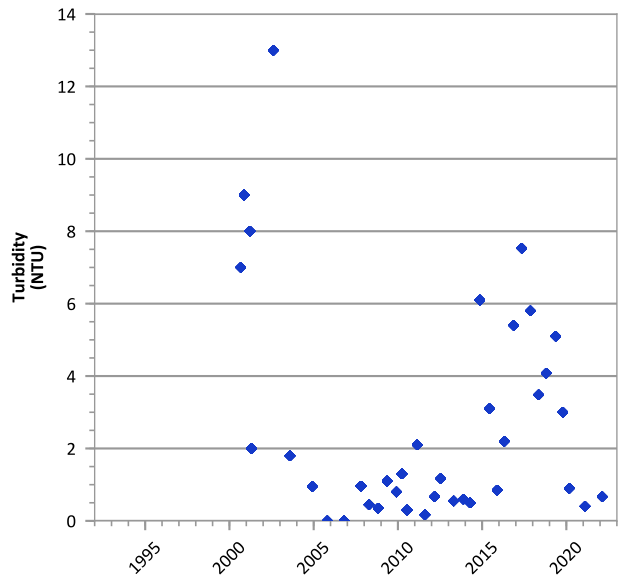
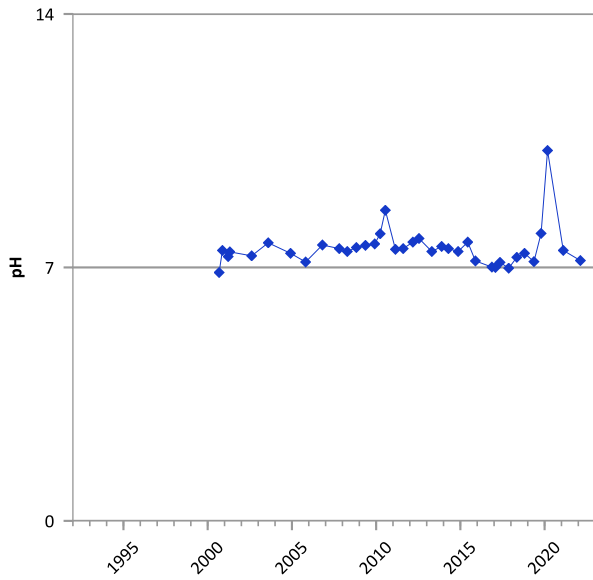
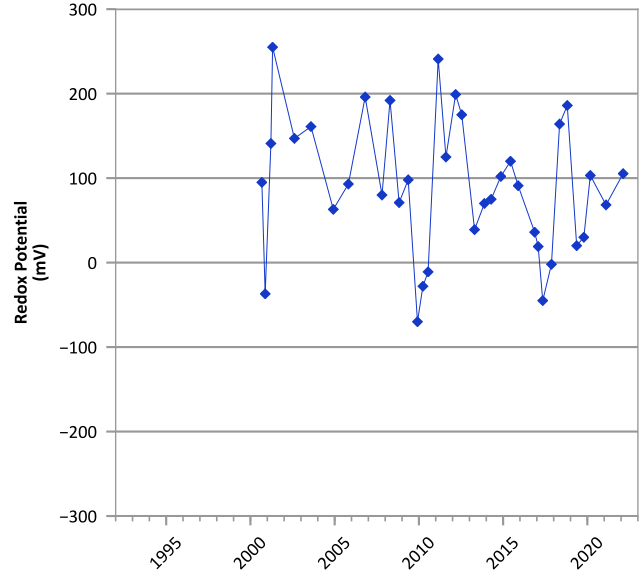
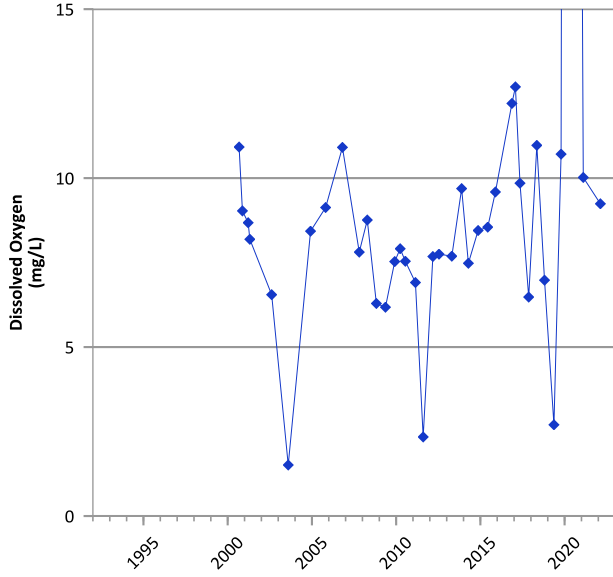
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/07/2000 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

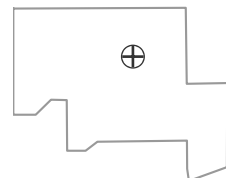


**PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



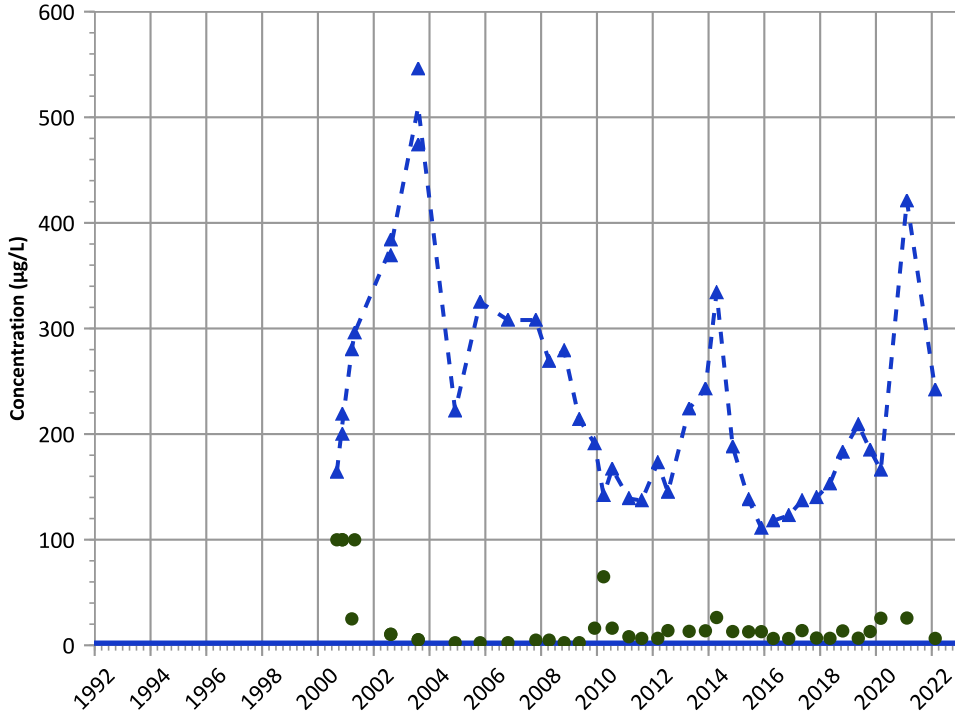
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/05/2000 to 02/15/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

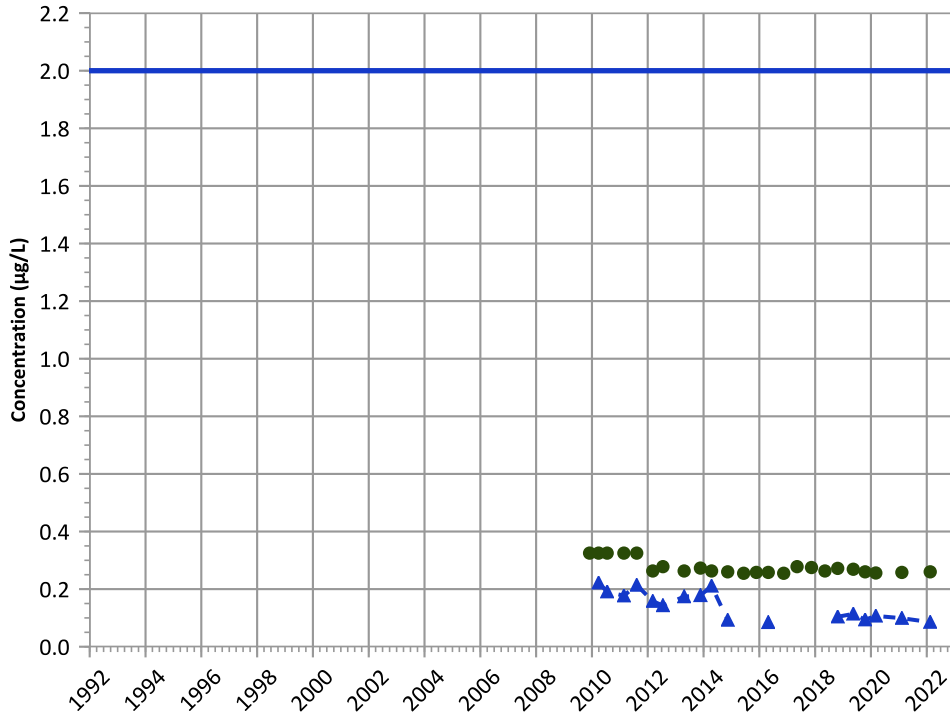
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

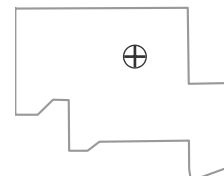
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

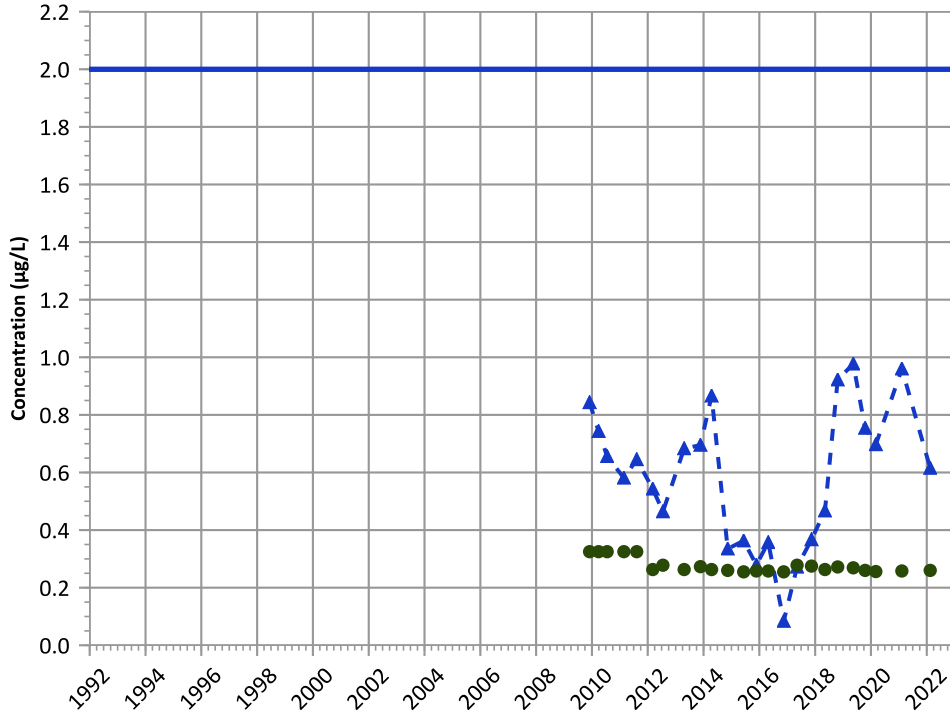
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

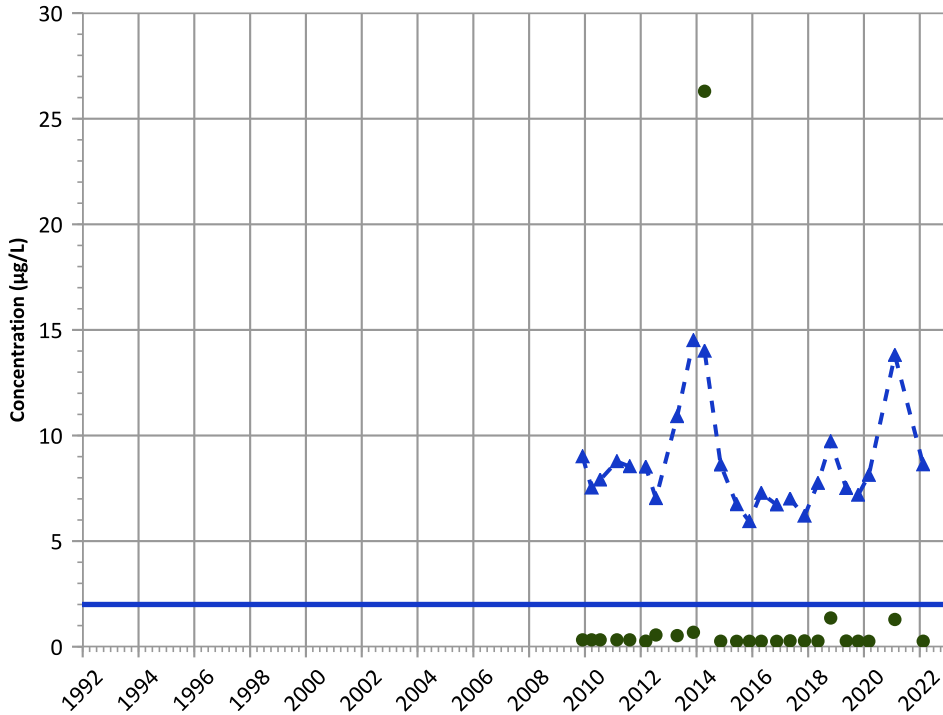


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

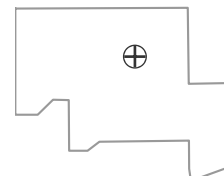
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

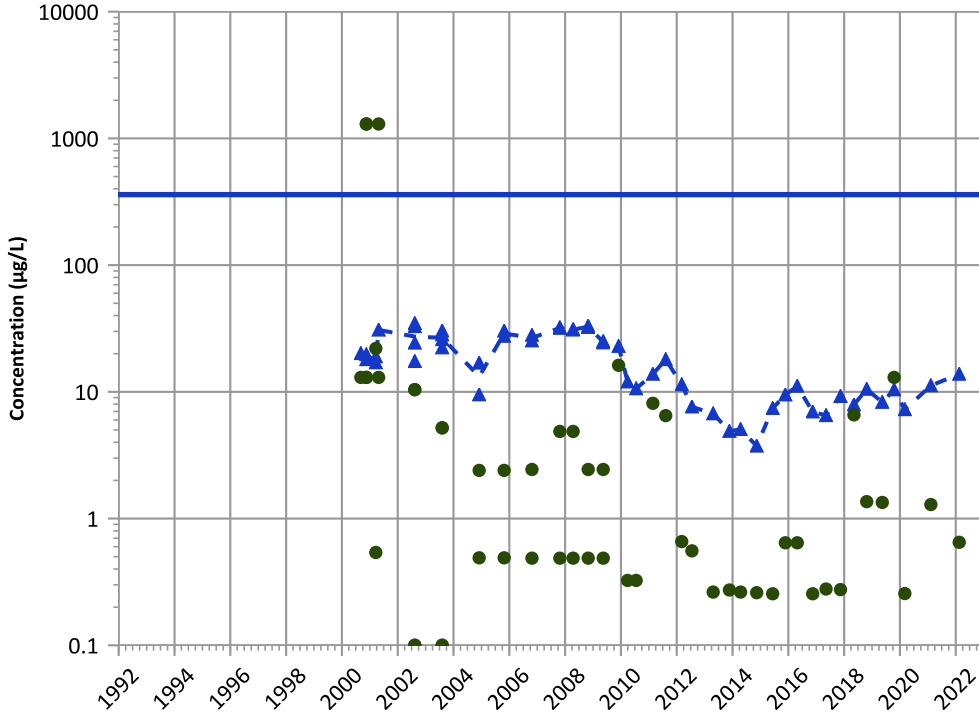
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

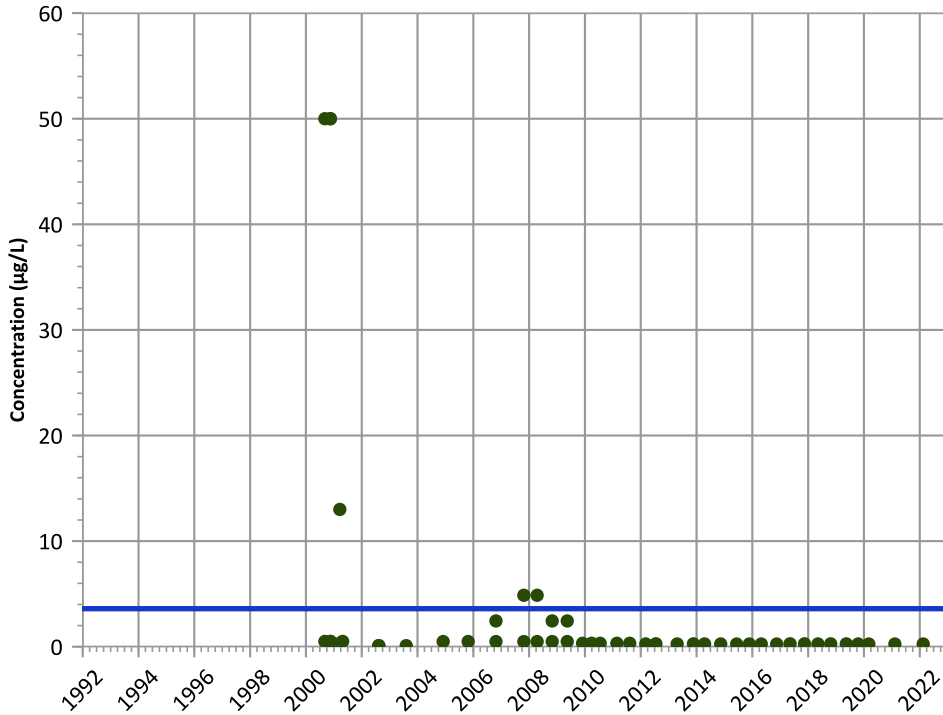


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

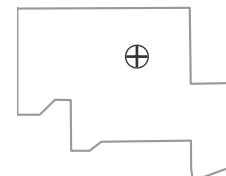
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

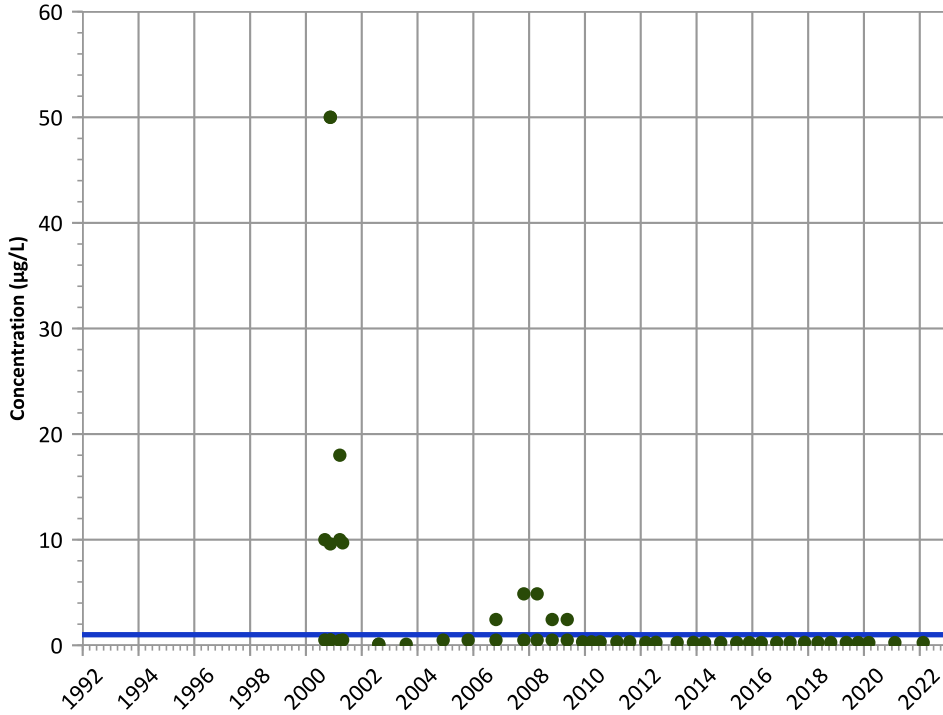
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

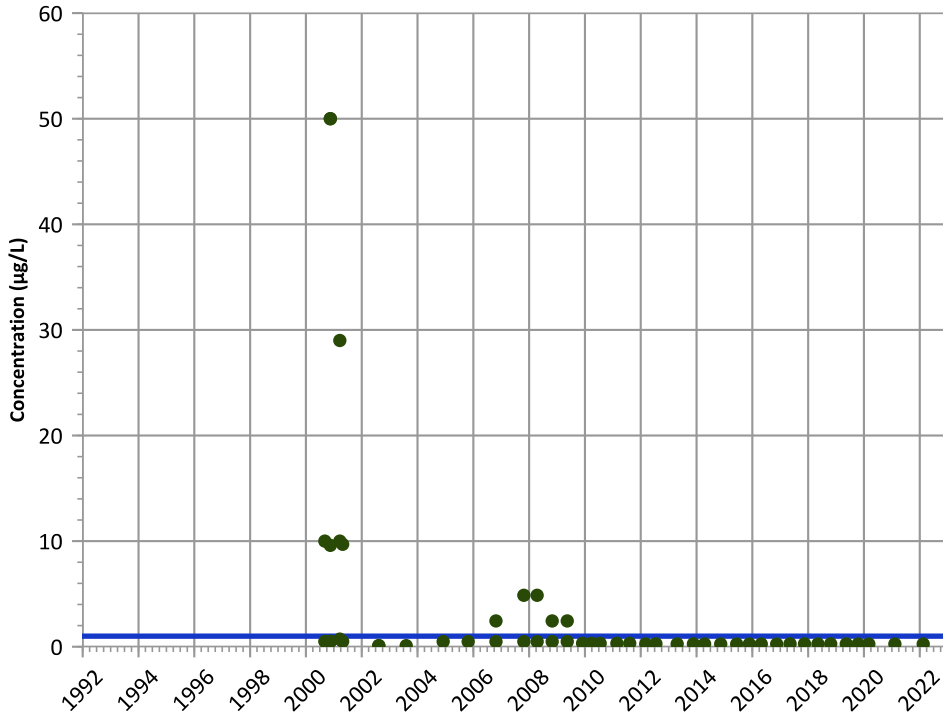
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

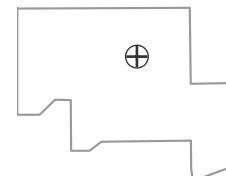
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

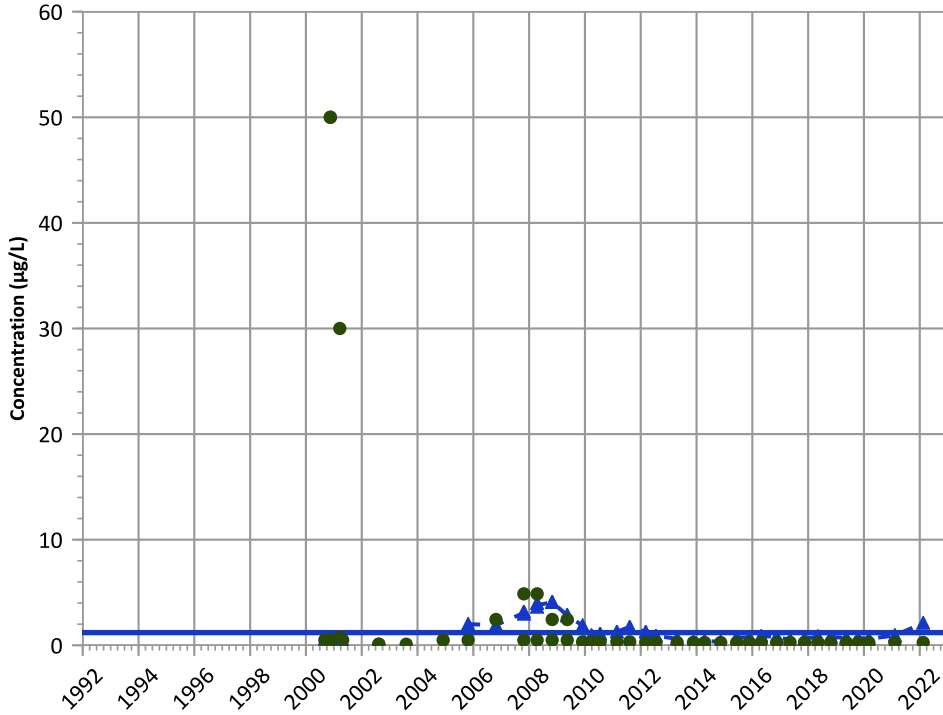
Well Location





PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

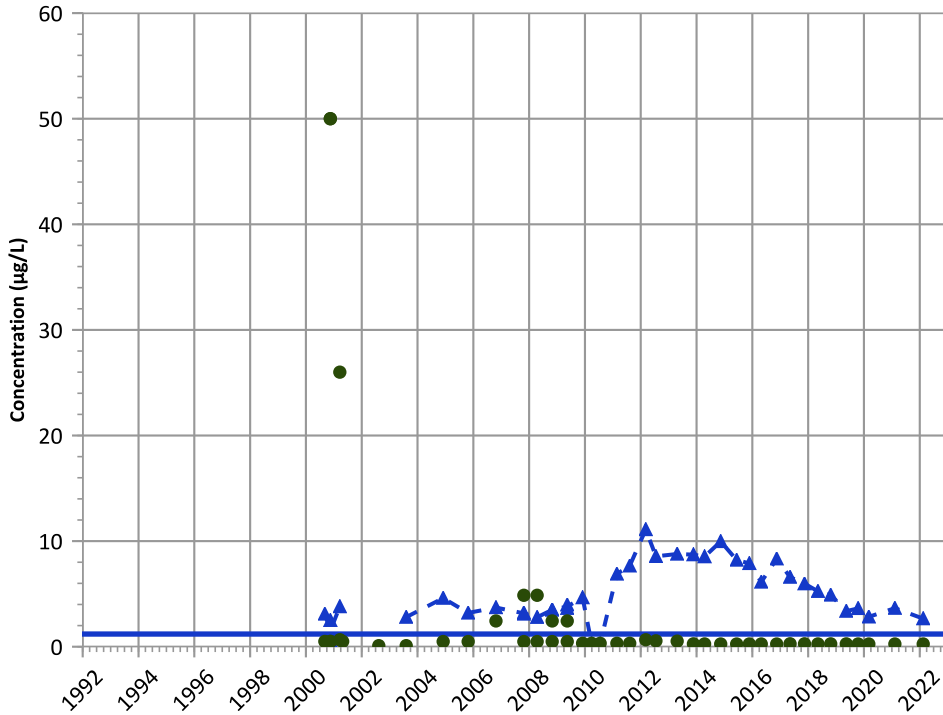


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Increasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

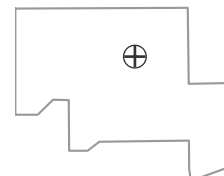
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

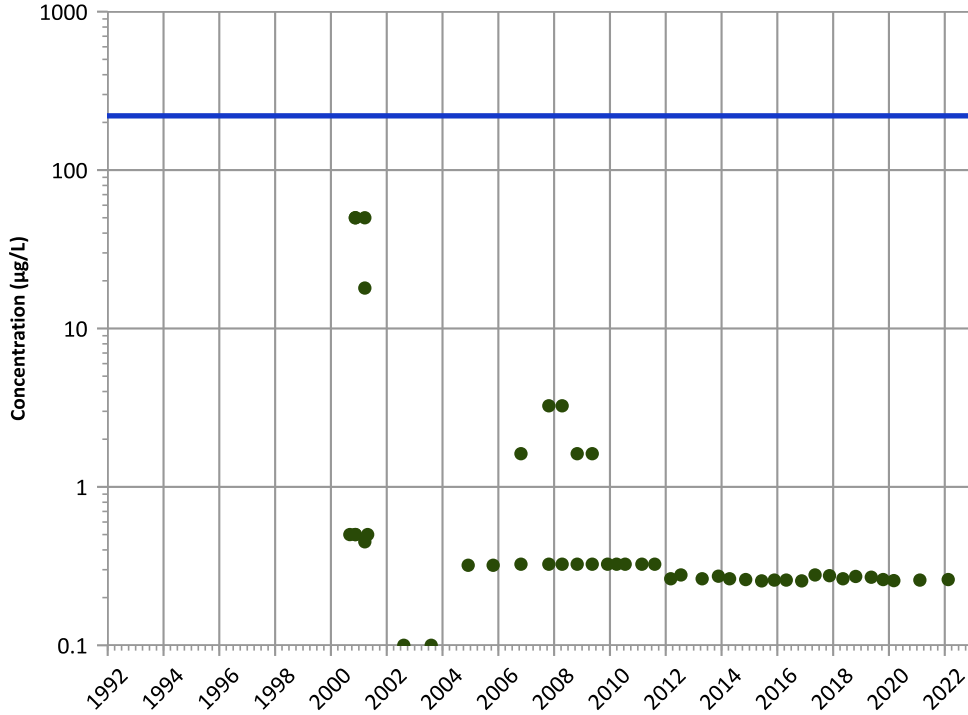
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

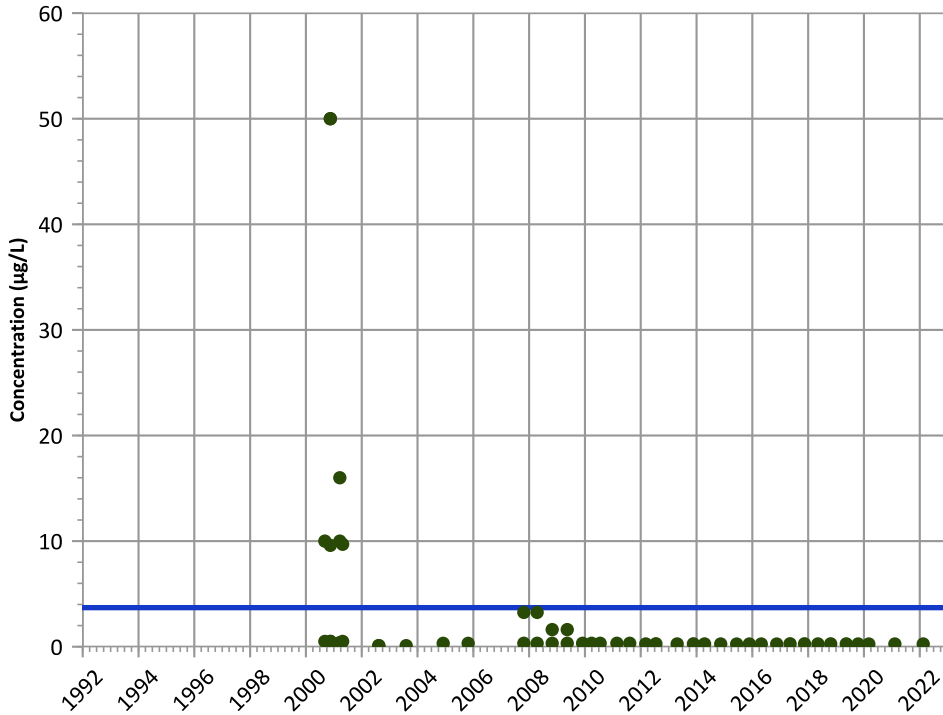
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

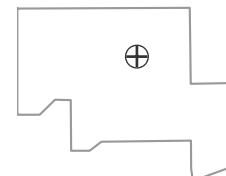
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

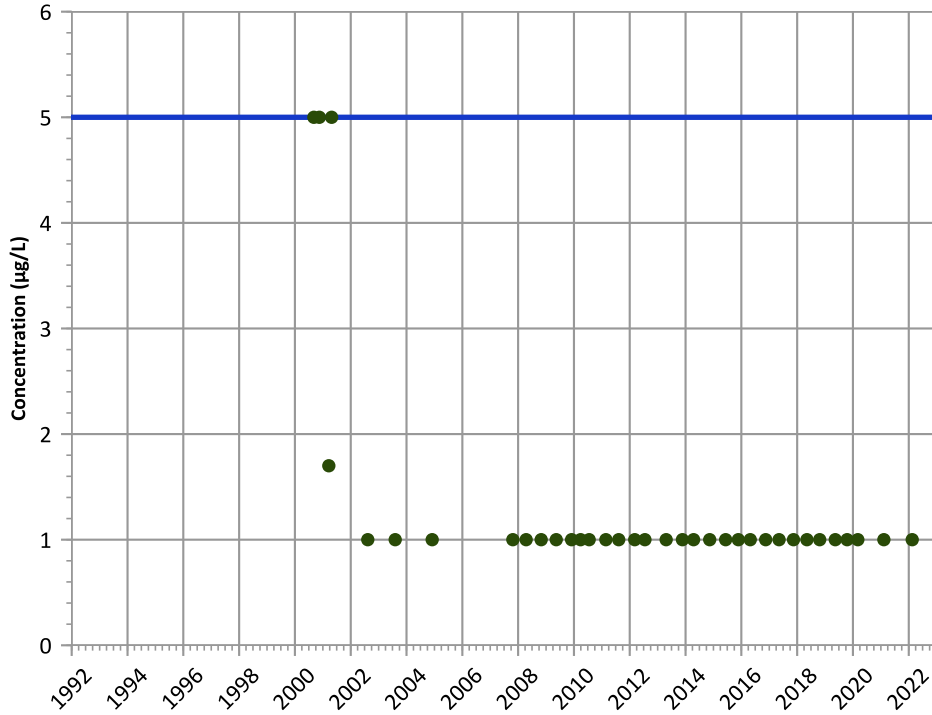
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

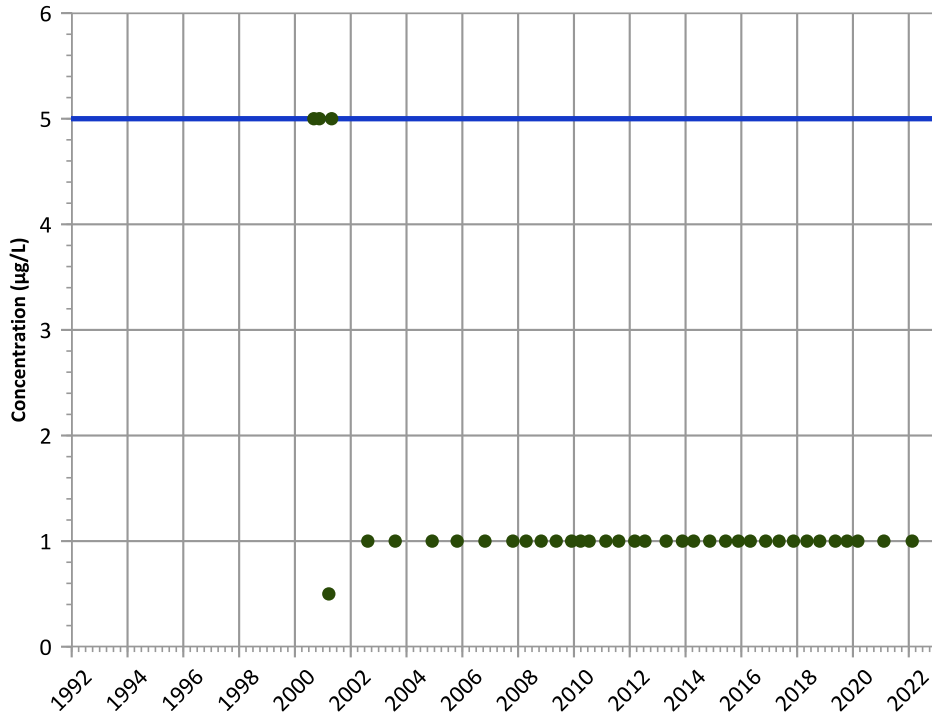
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

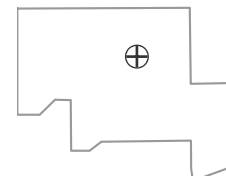
2020 - 2022 Data:

All Non-Detect

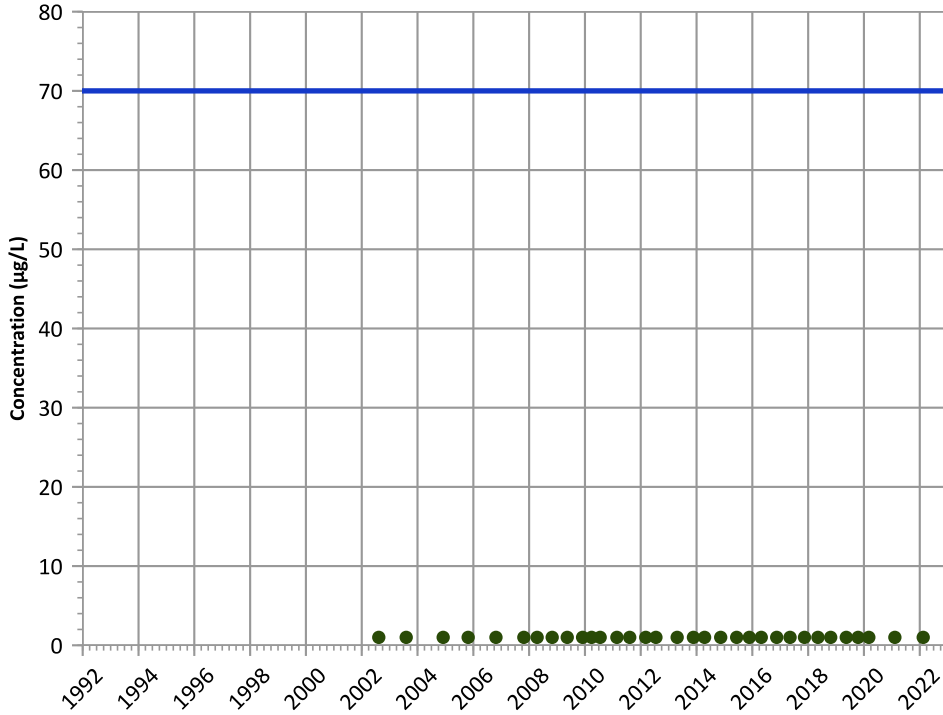
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

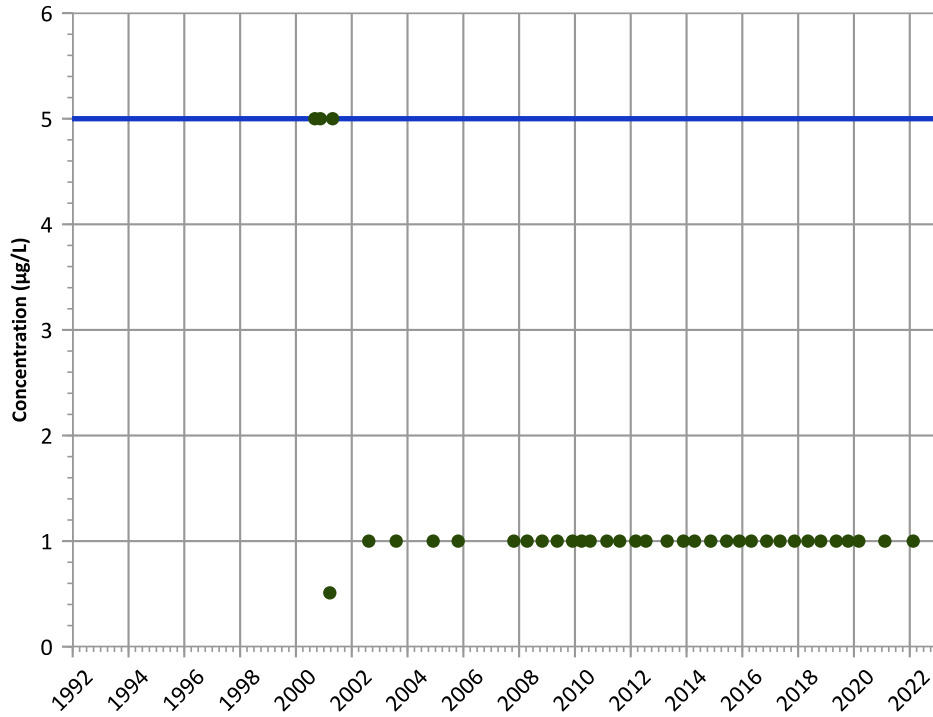
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

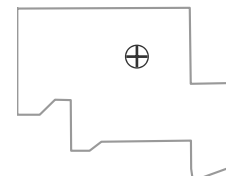
2020 - 2022 Data:

All Non-Detect

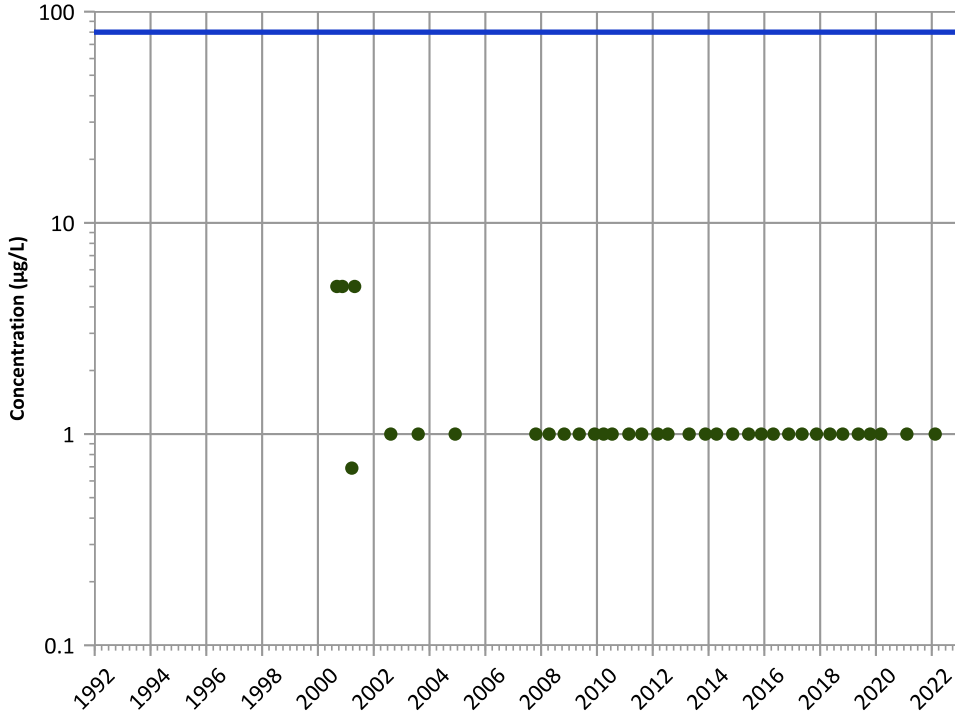
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend

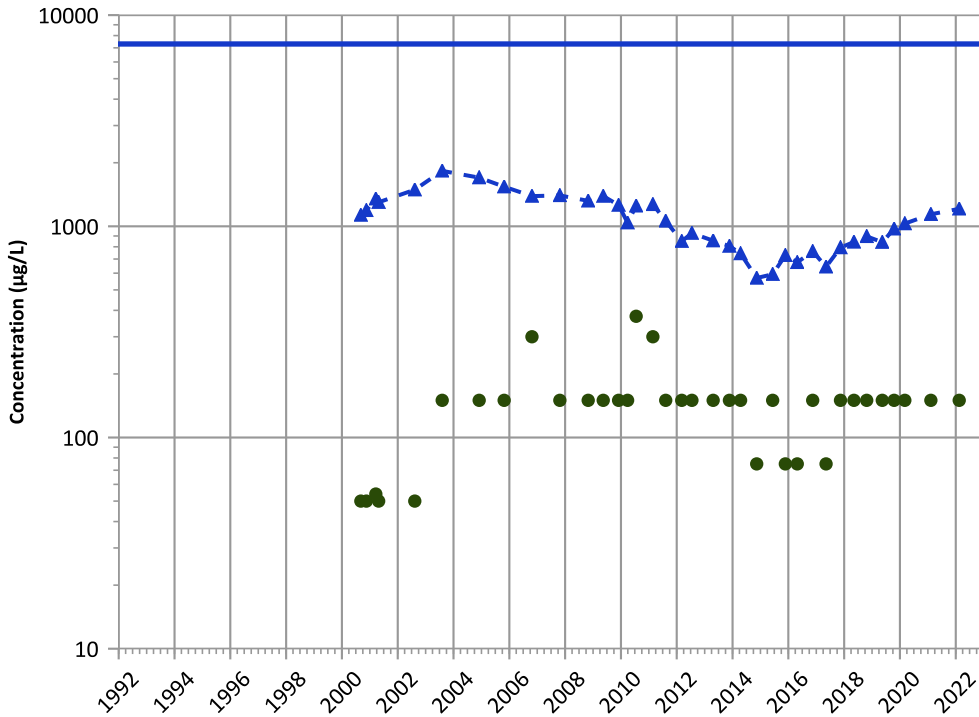


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Boron Trend



Concentration Trend

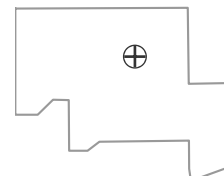
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

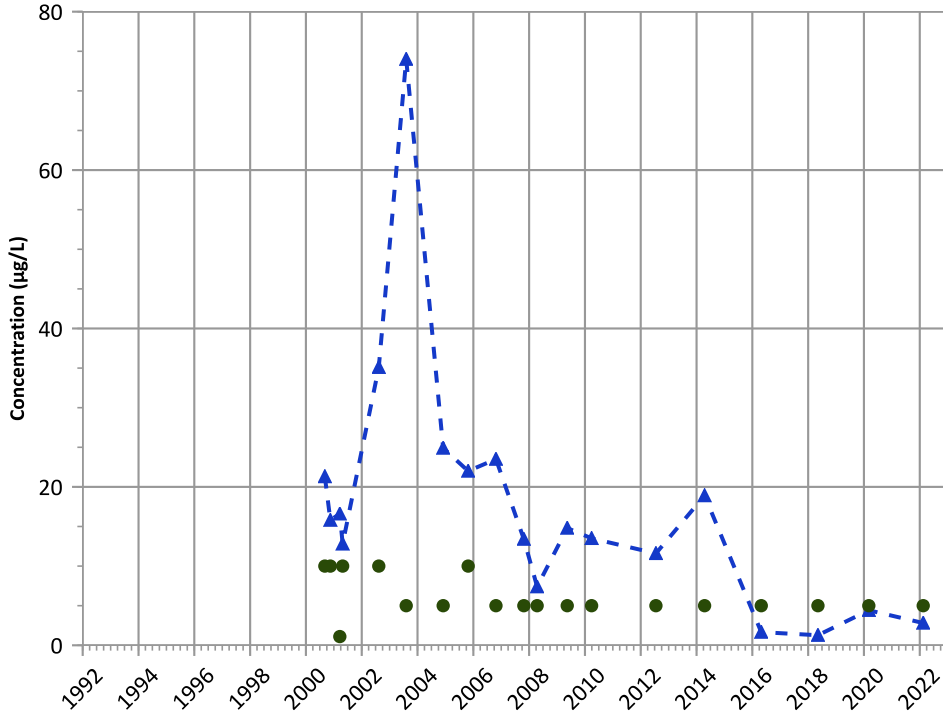
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

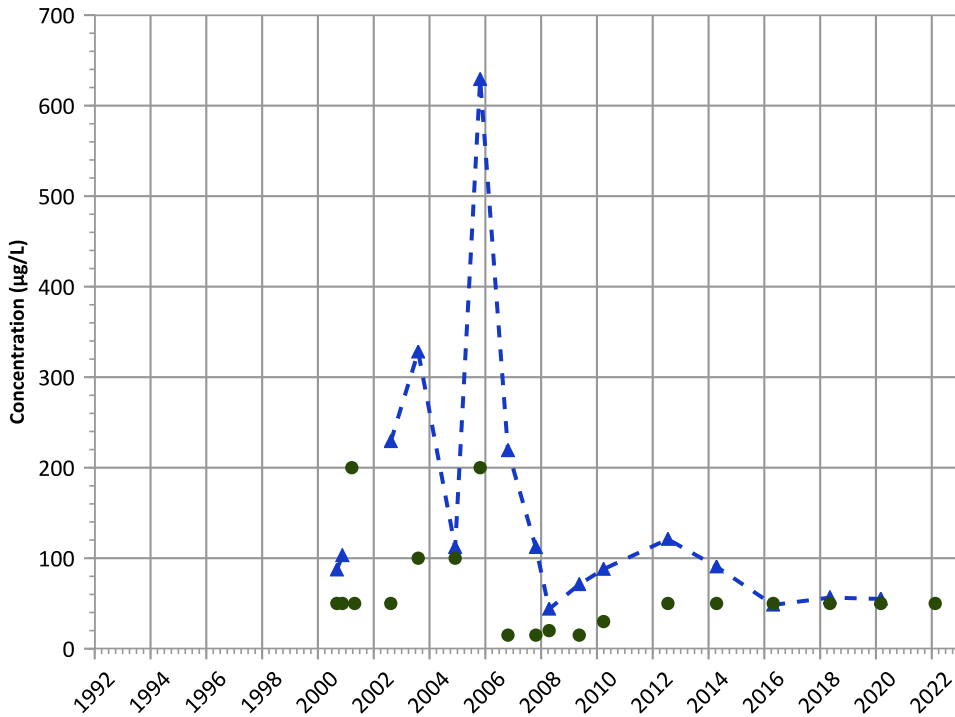


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

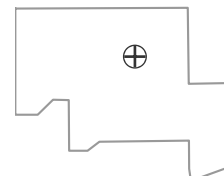
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

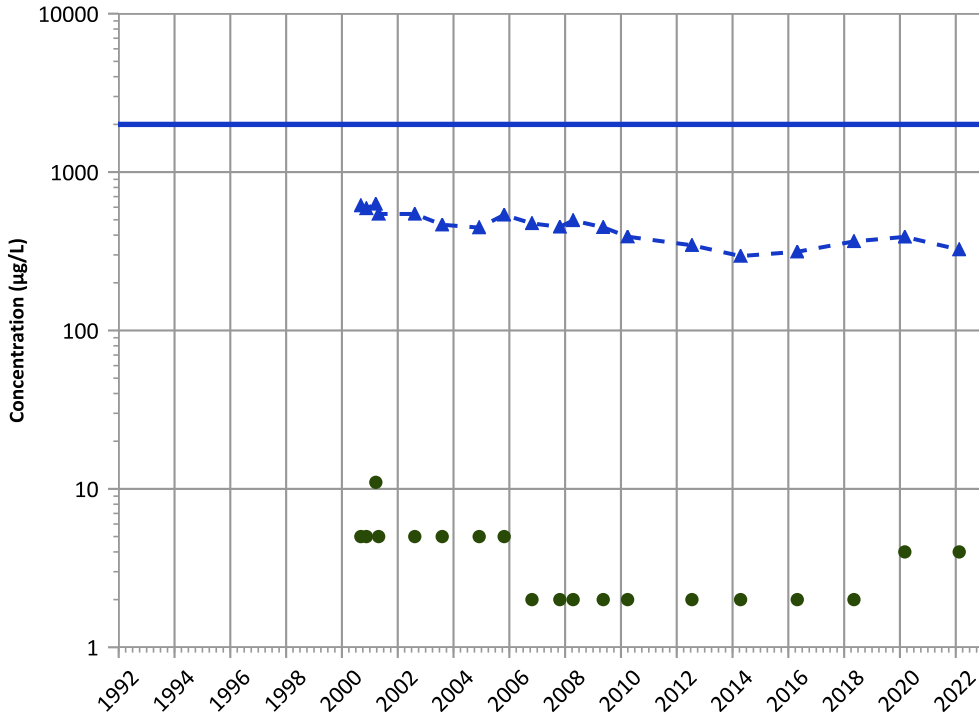
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

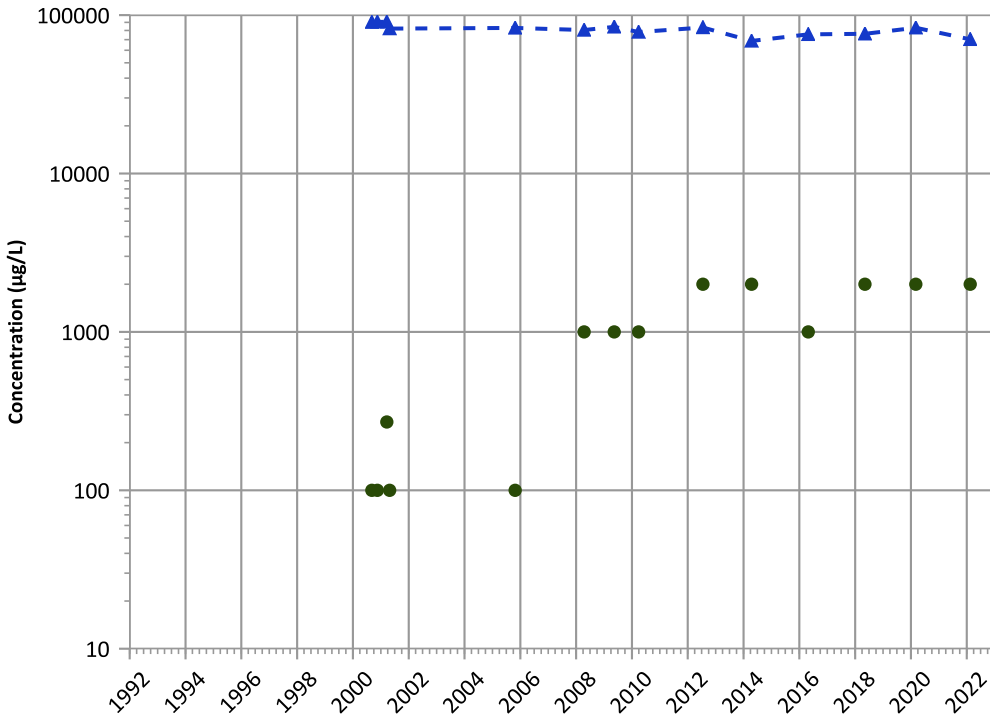


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

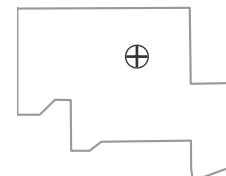
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

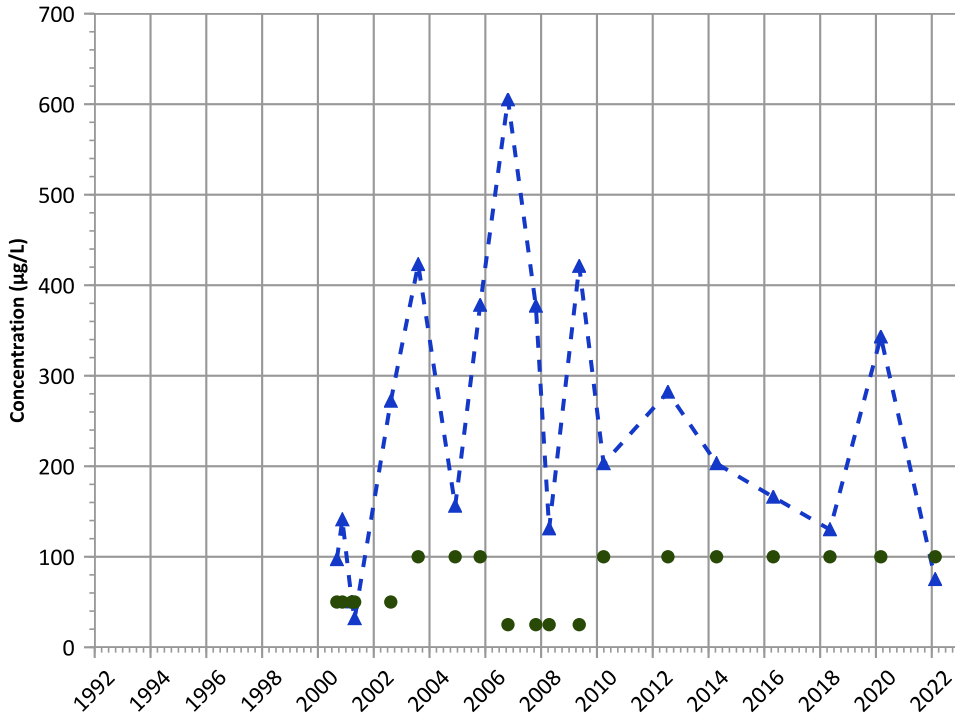
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

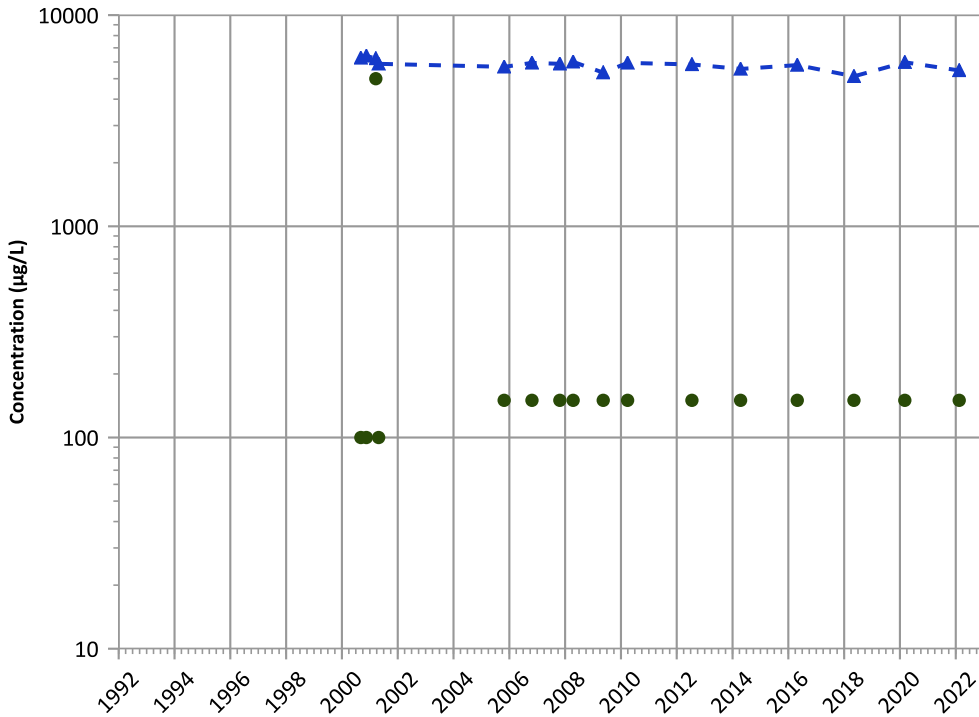


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

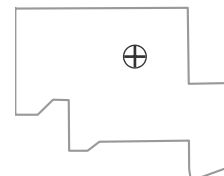
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

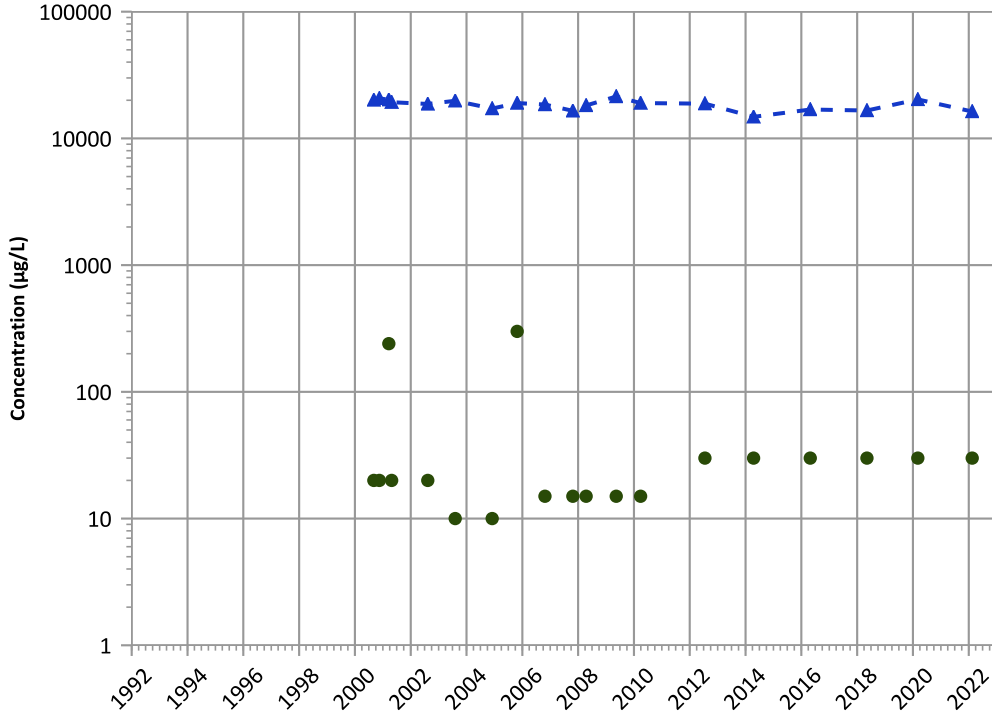
Well Location





PTX06-1050 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

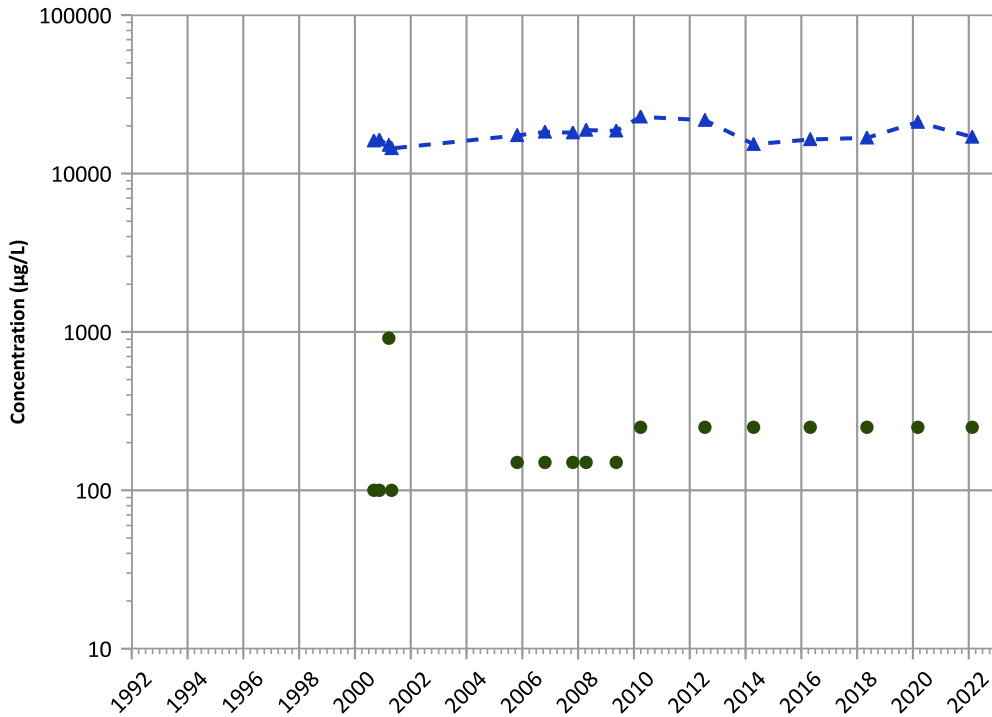


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Sodium Trend



Concentration Trend

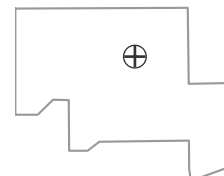
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

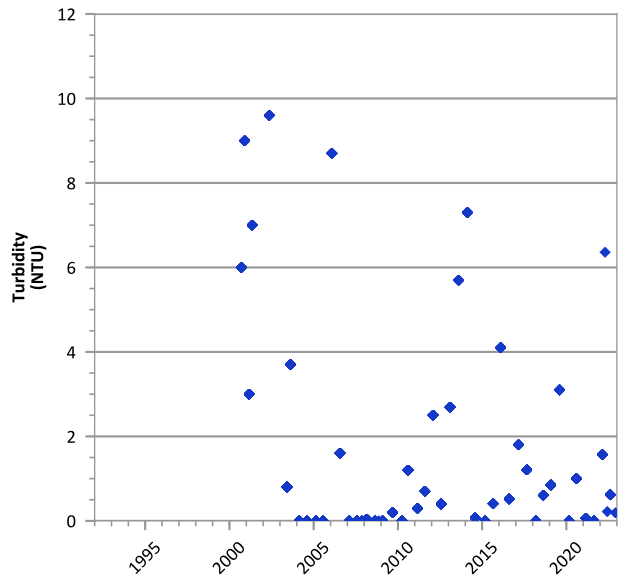
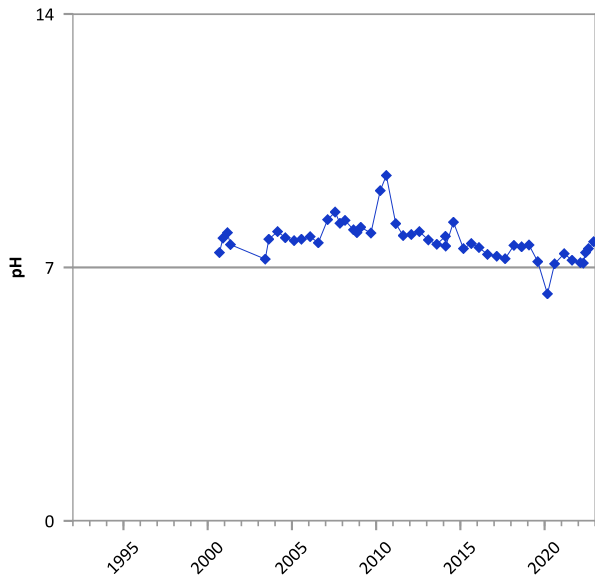
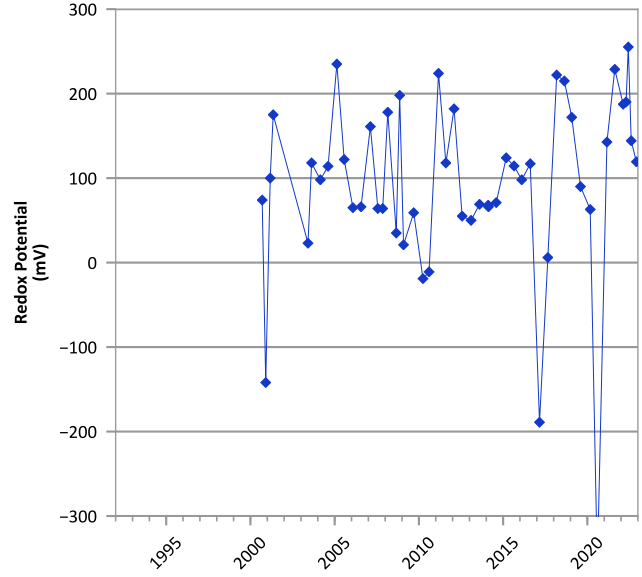
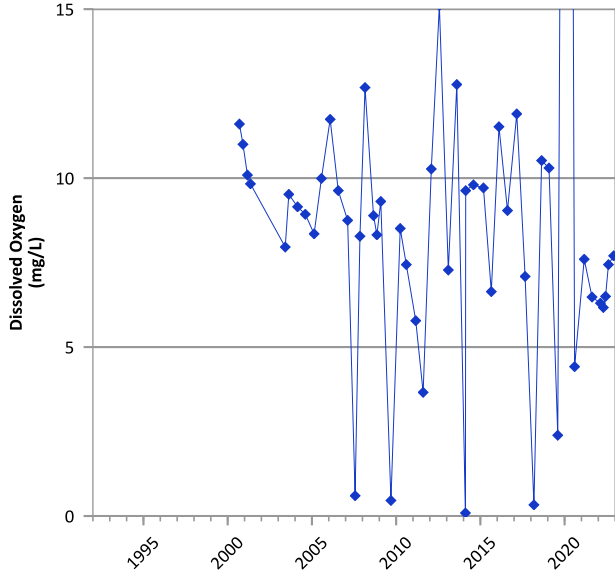
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/05/2000 to 02/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

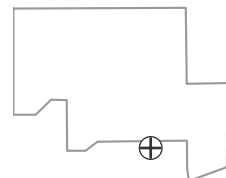


**PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



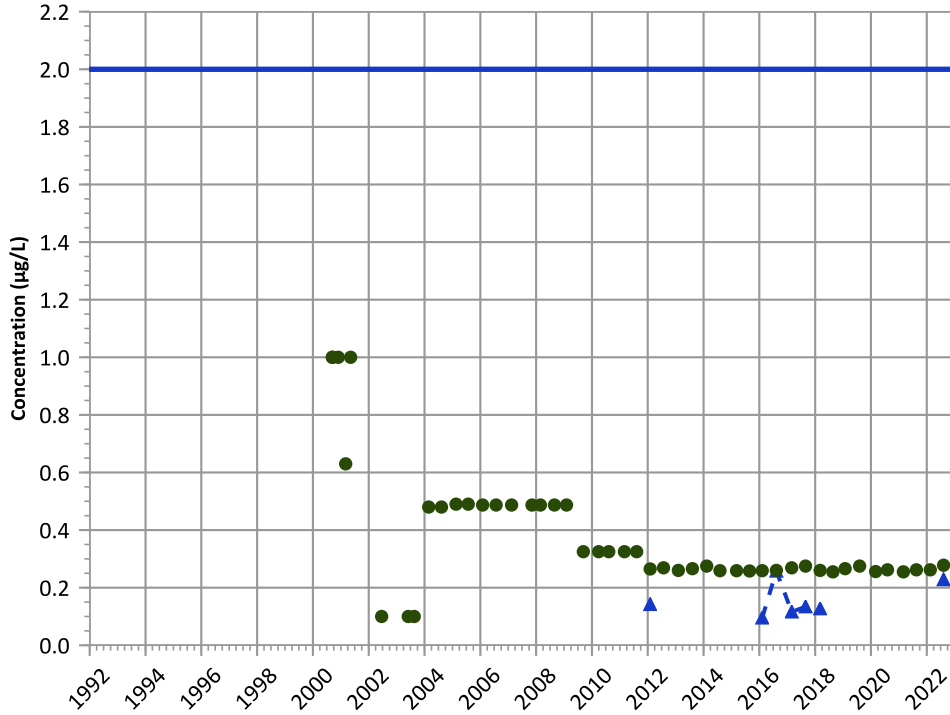
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

**Well Location**



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

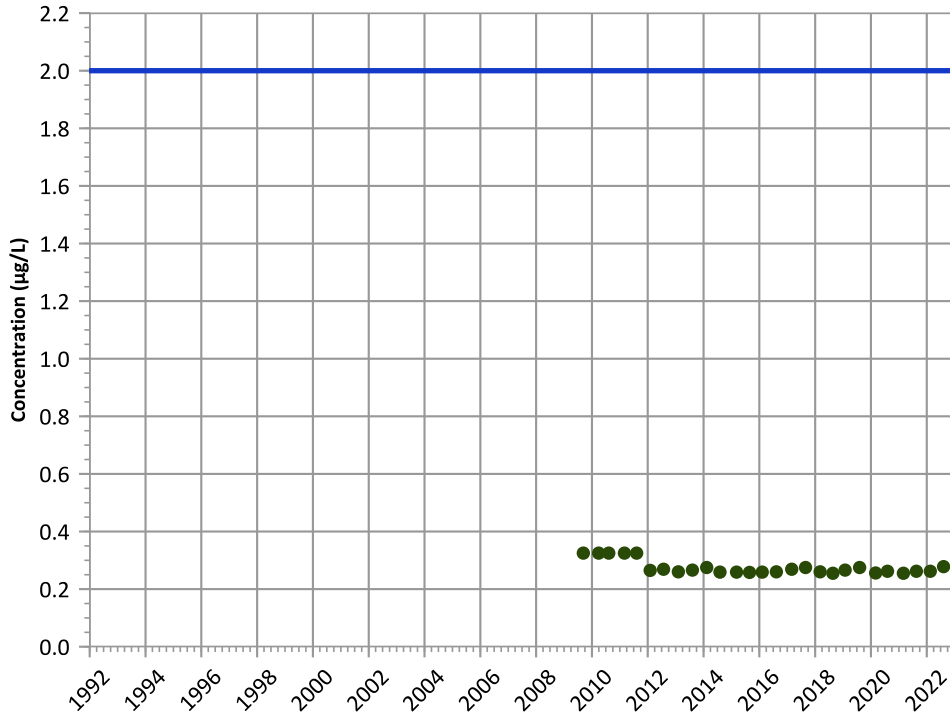


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

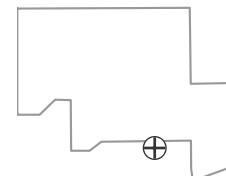
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

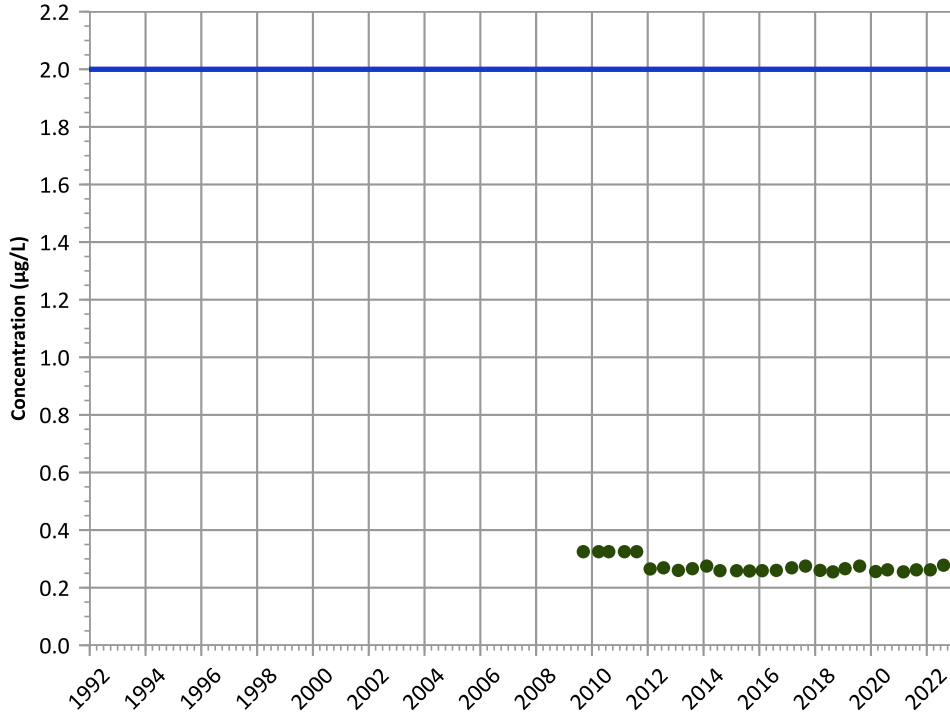
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

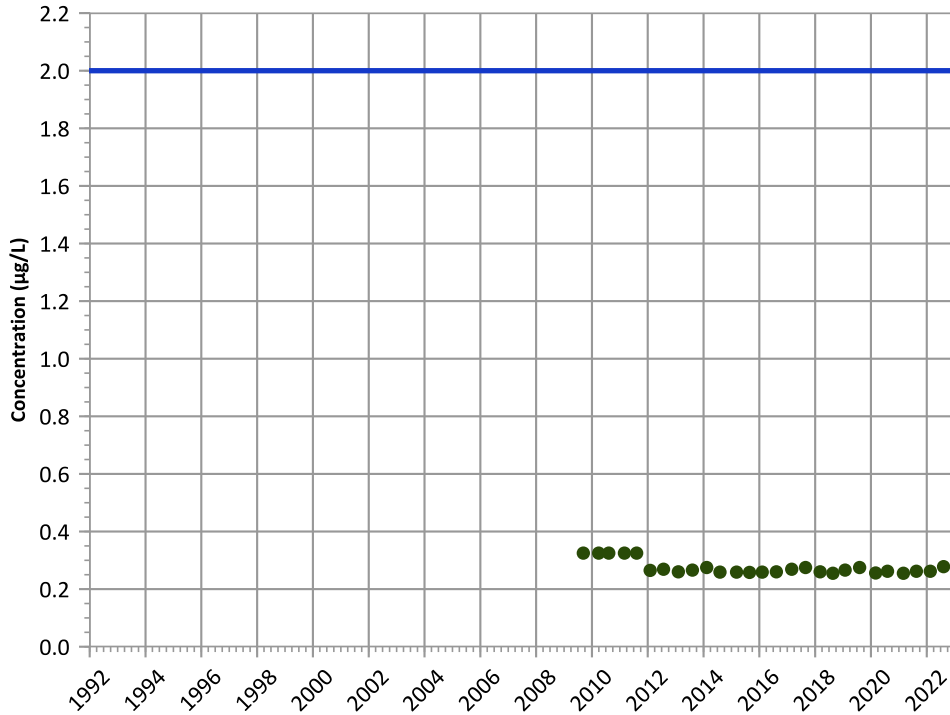


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

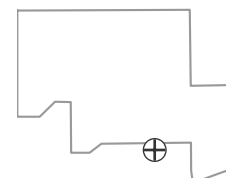


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

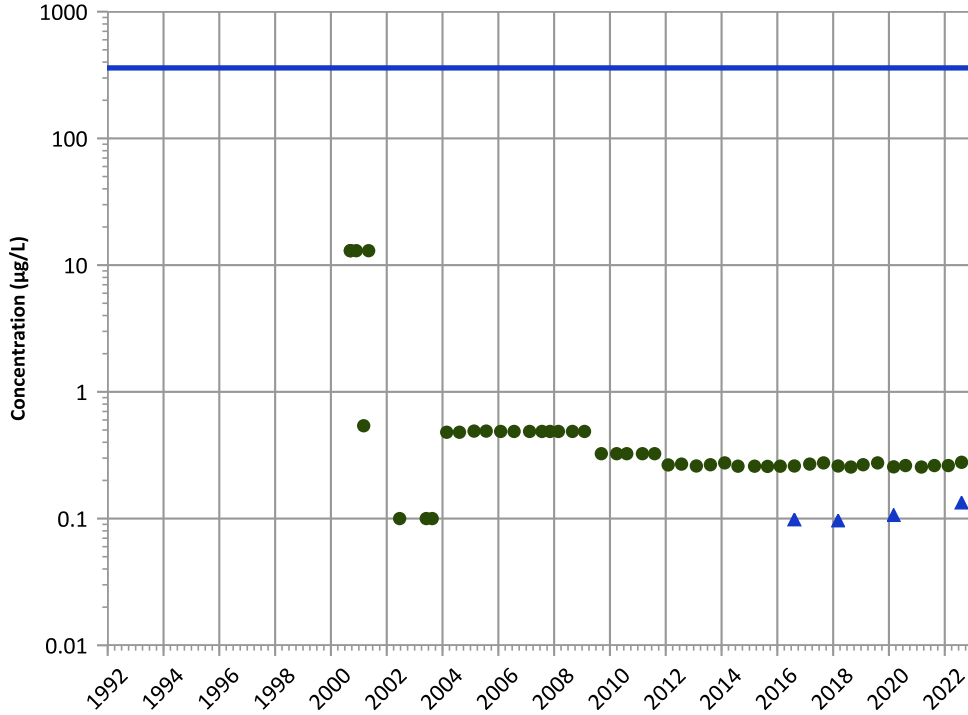


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

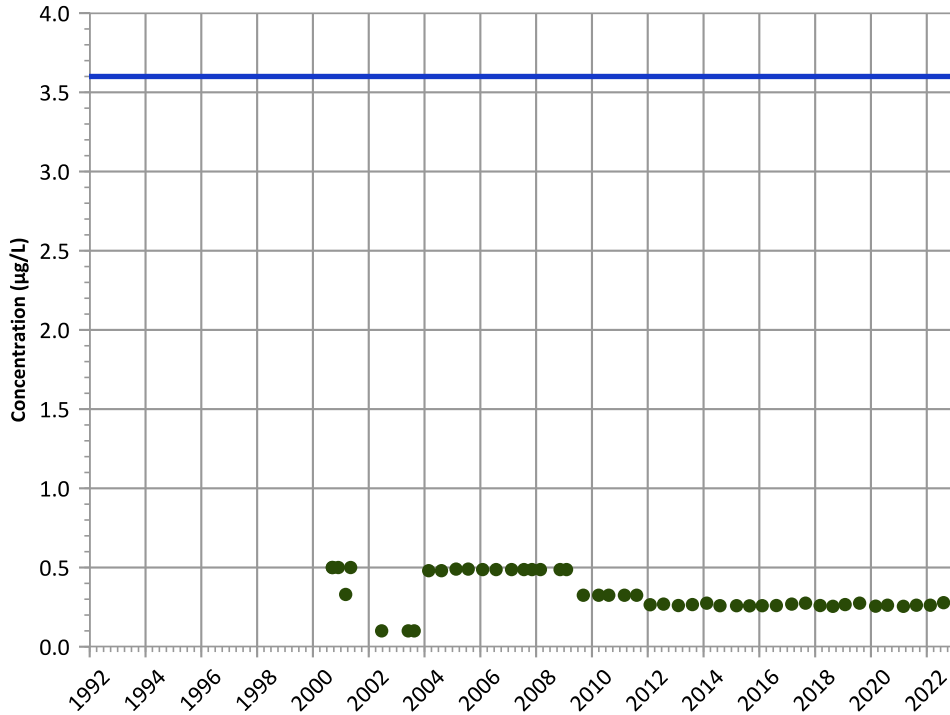


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

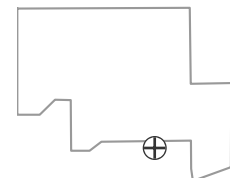
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

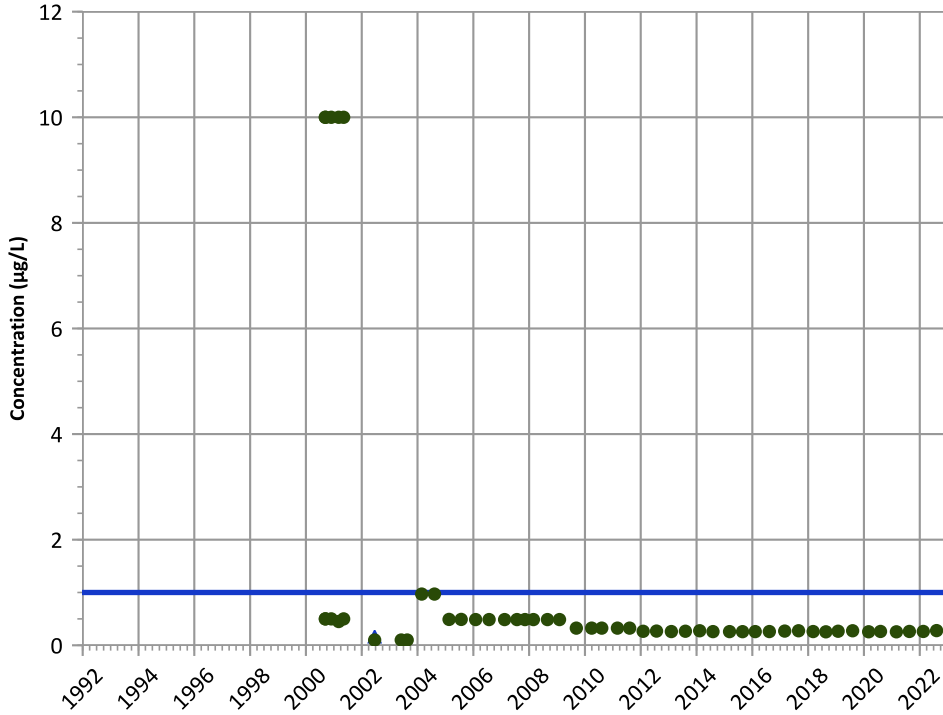
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

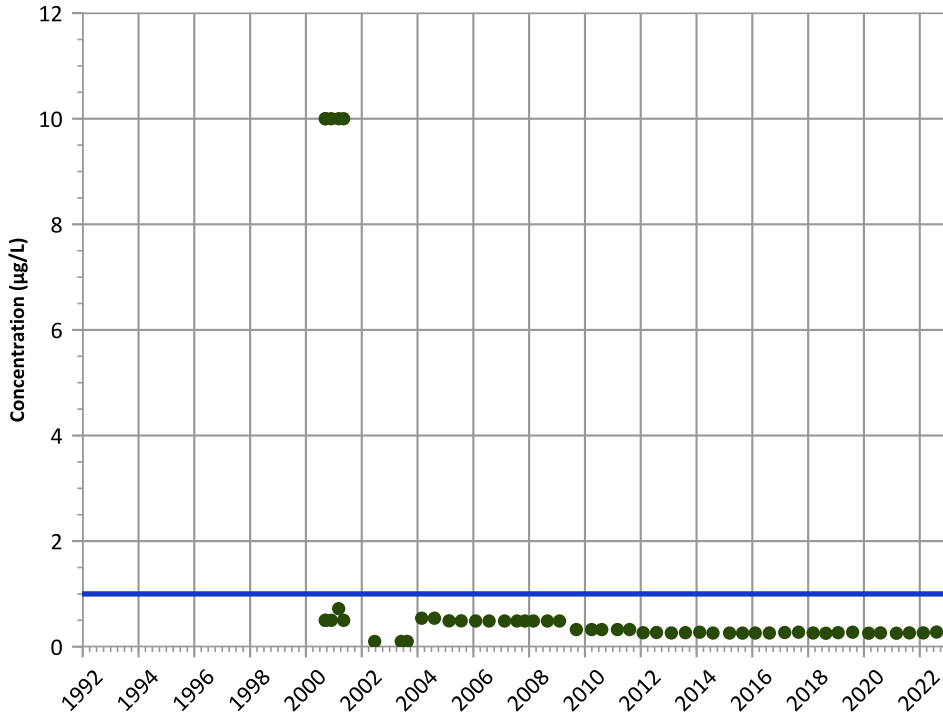
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

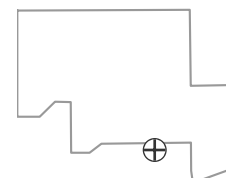
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

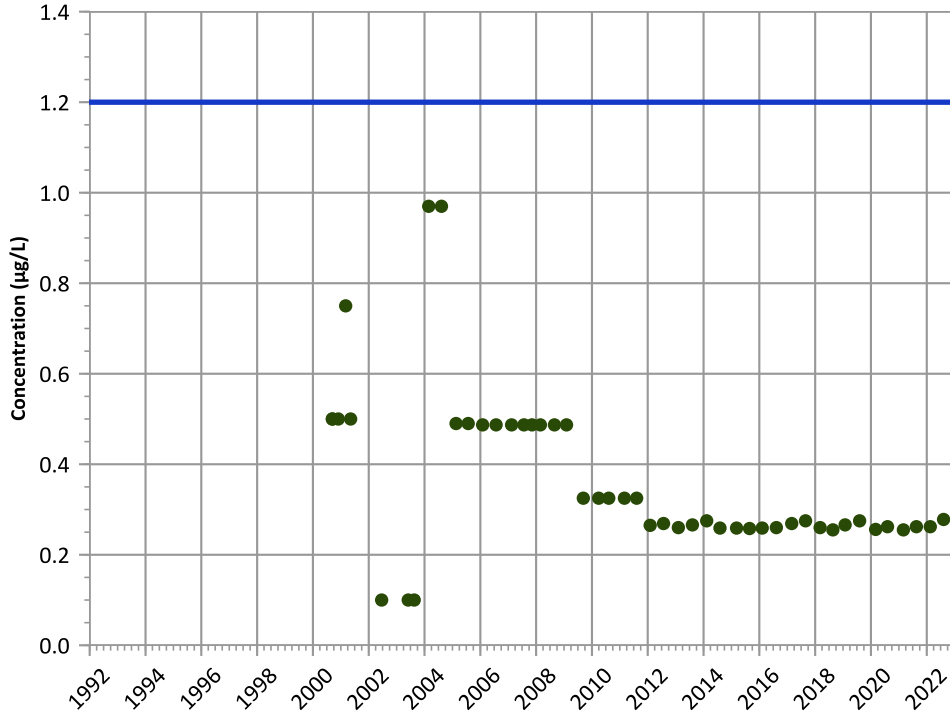
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

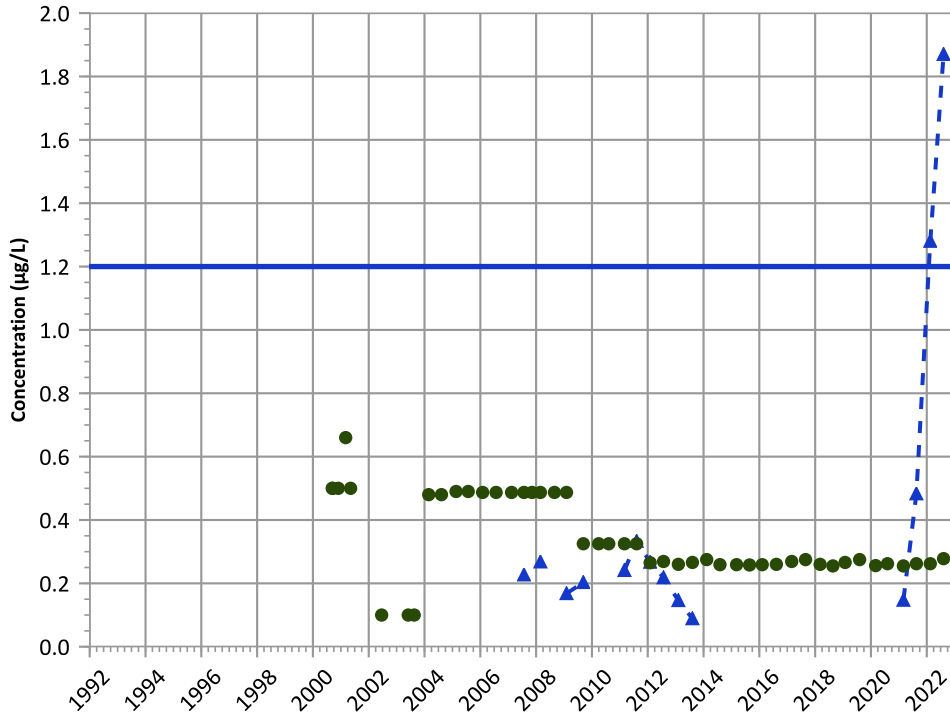


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

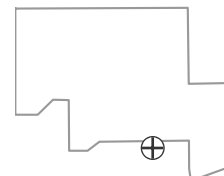
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

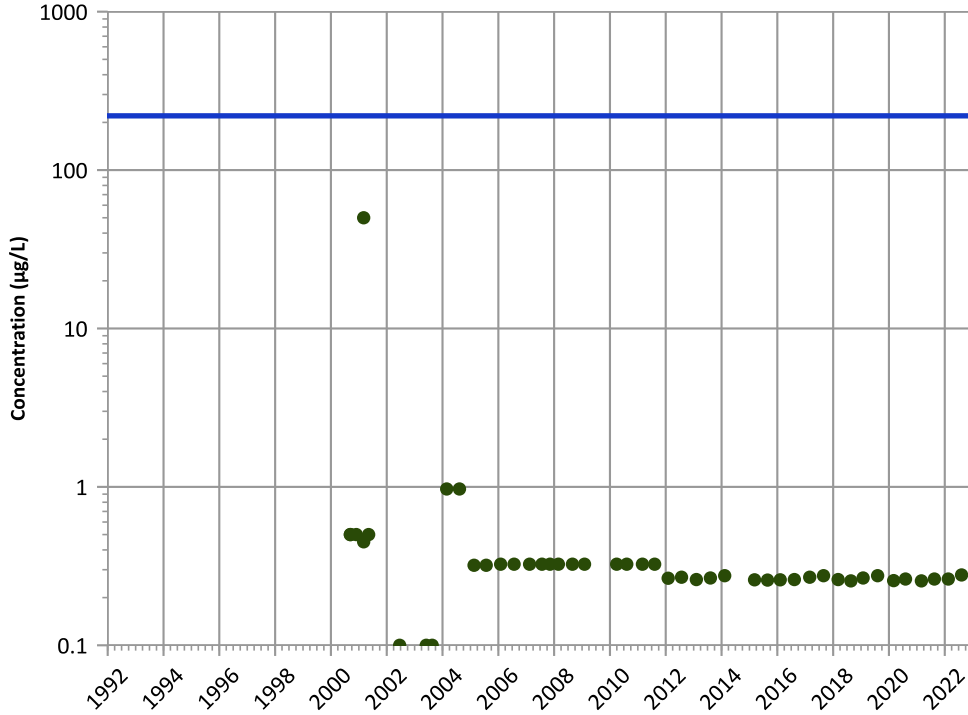
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

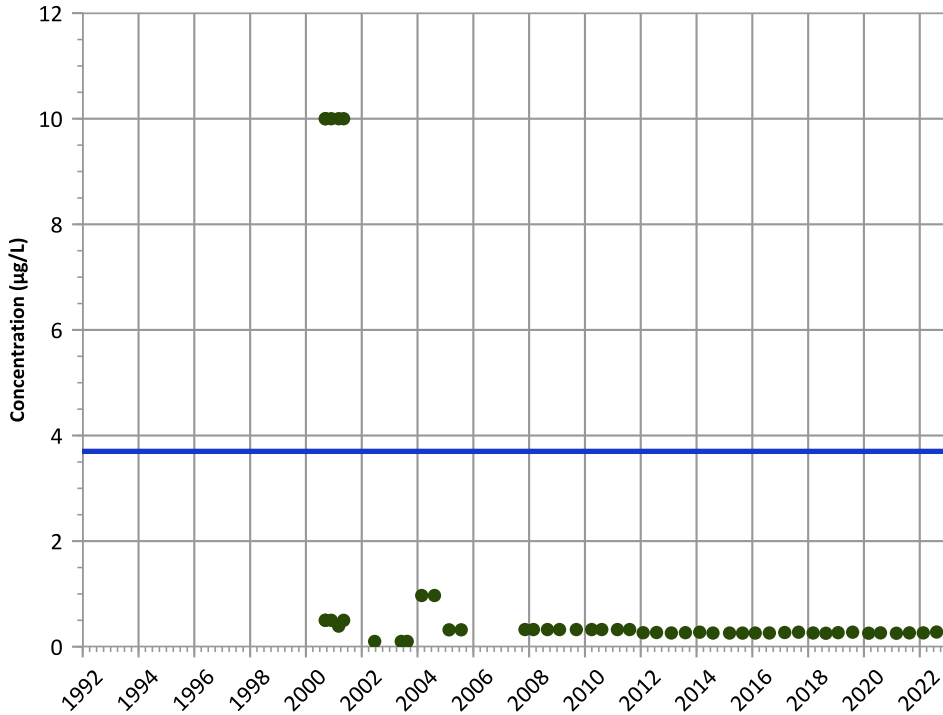
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

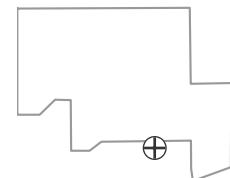
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

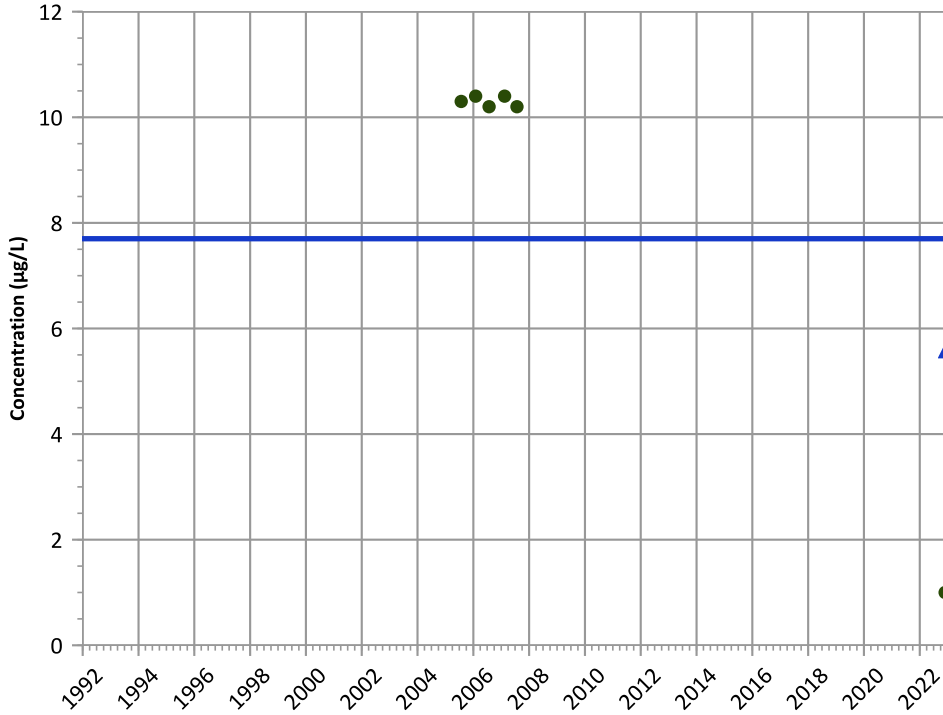
Well Location





PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

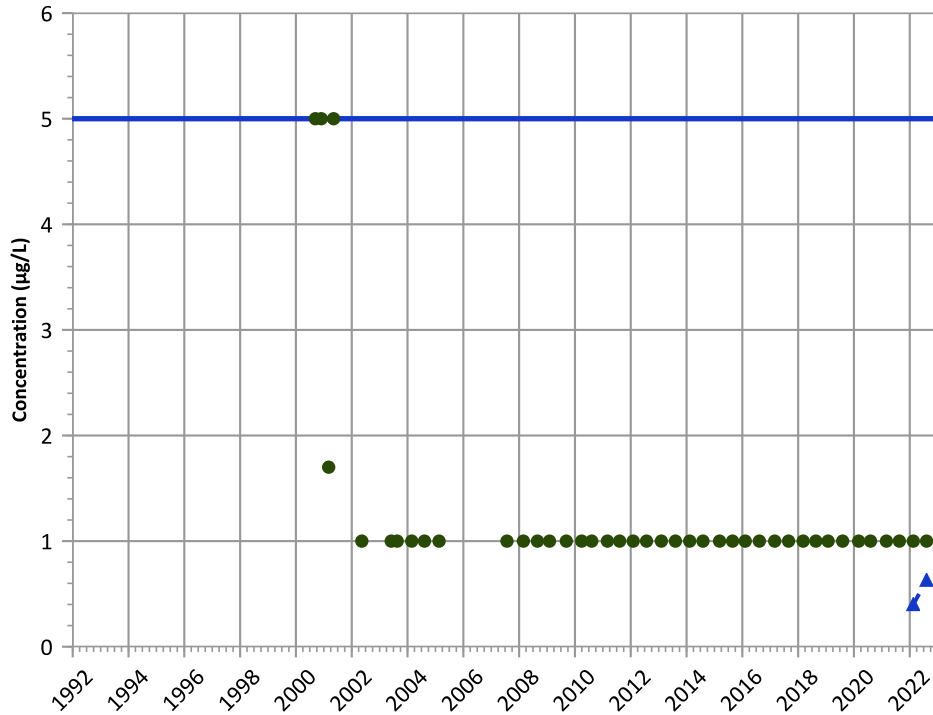


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

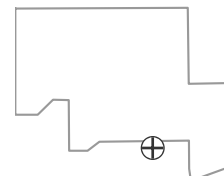
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

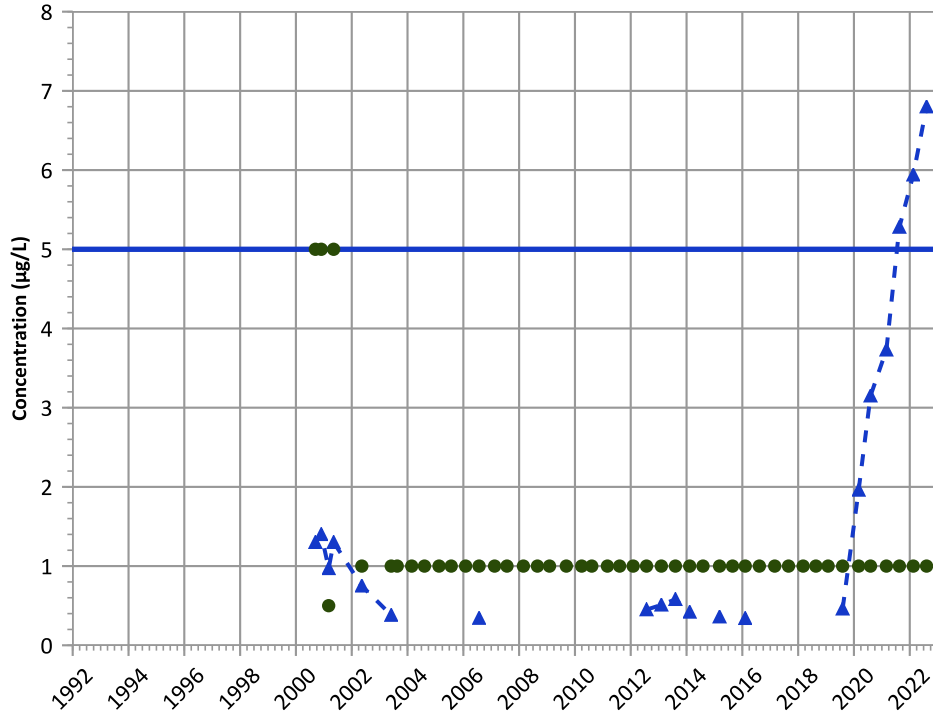
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

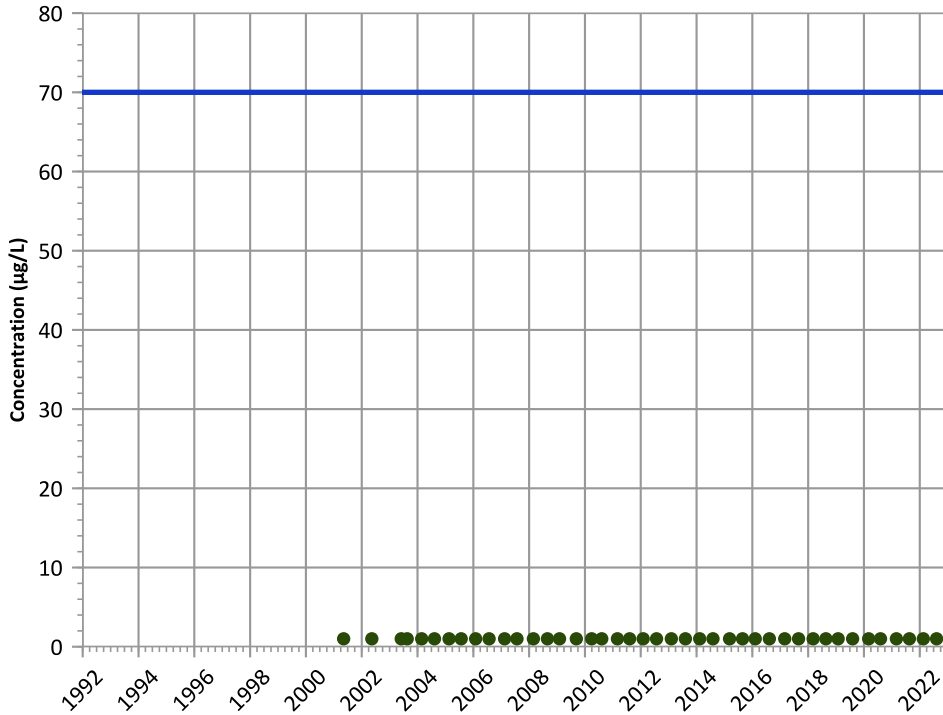


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

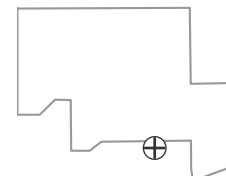
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

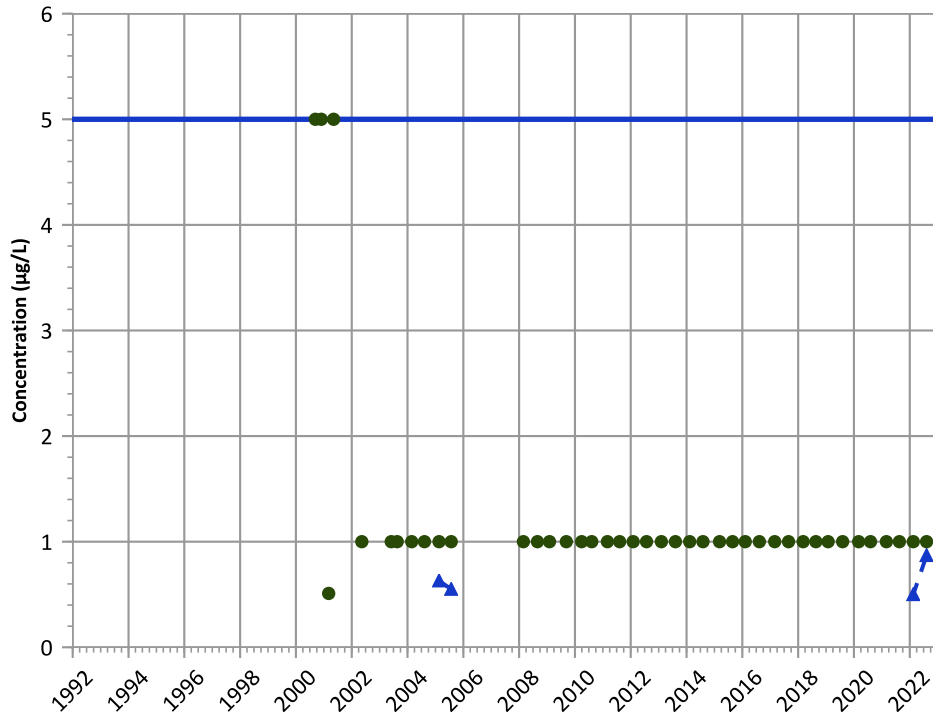
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

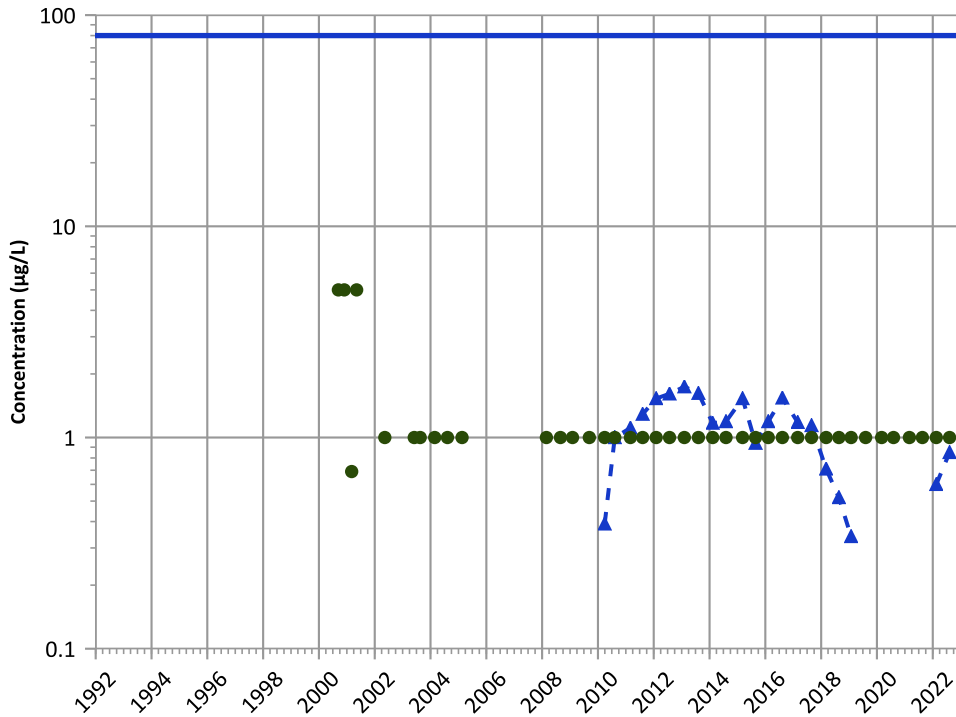


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

**Chloroform Trend**

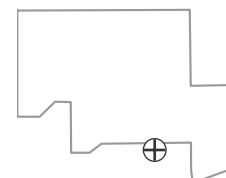


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Well Location**

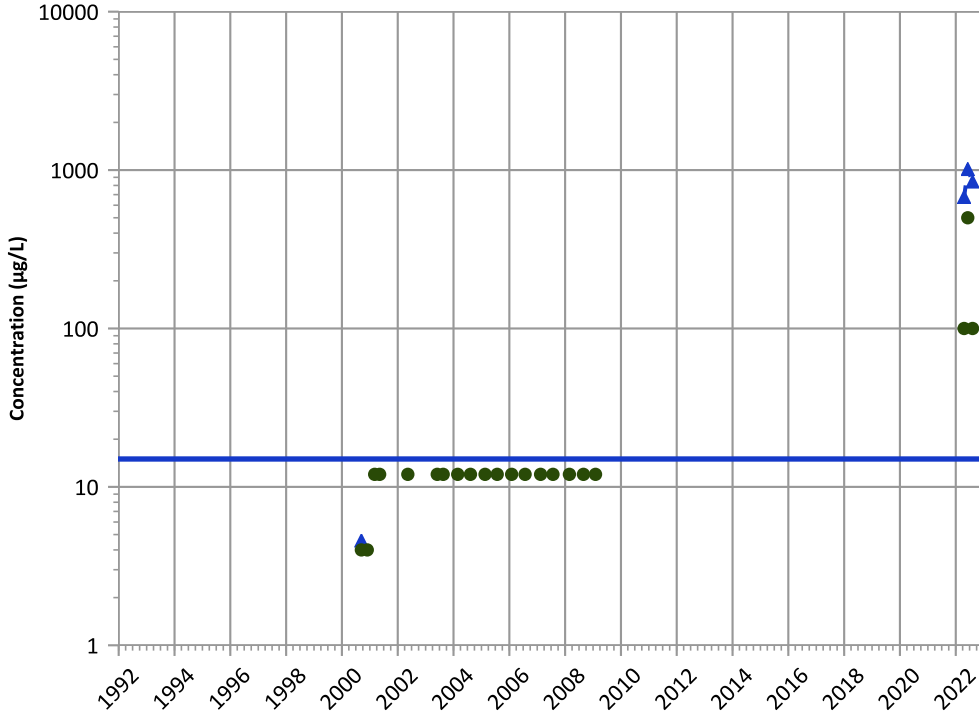


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

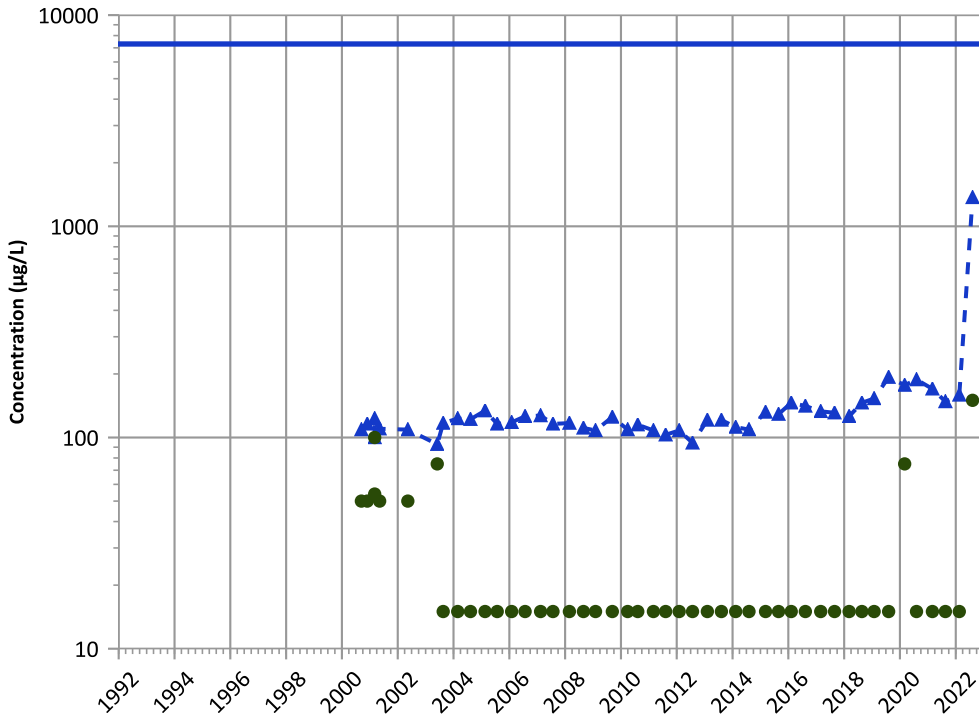


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Increasing

Boron Trend



Concentration Trend

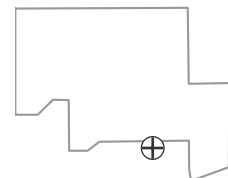
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

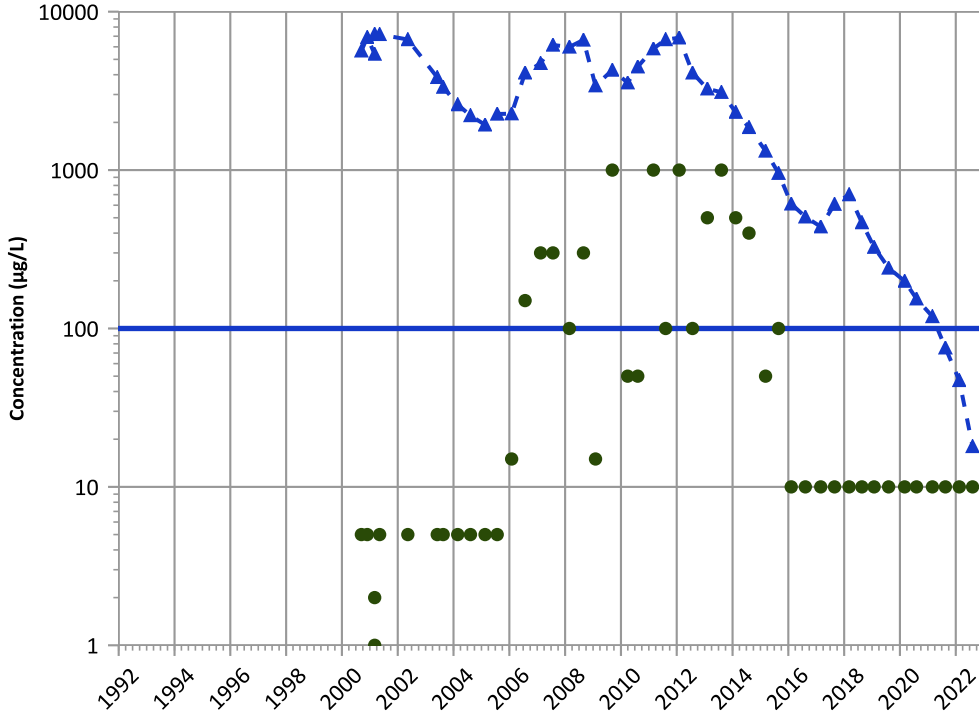
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

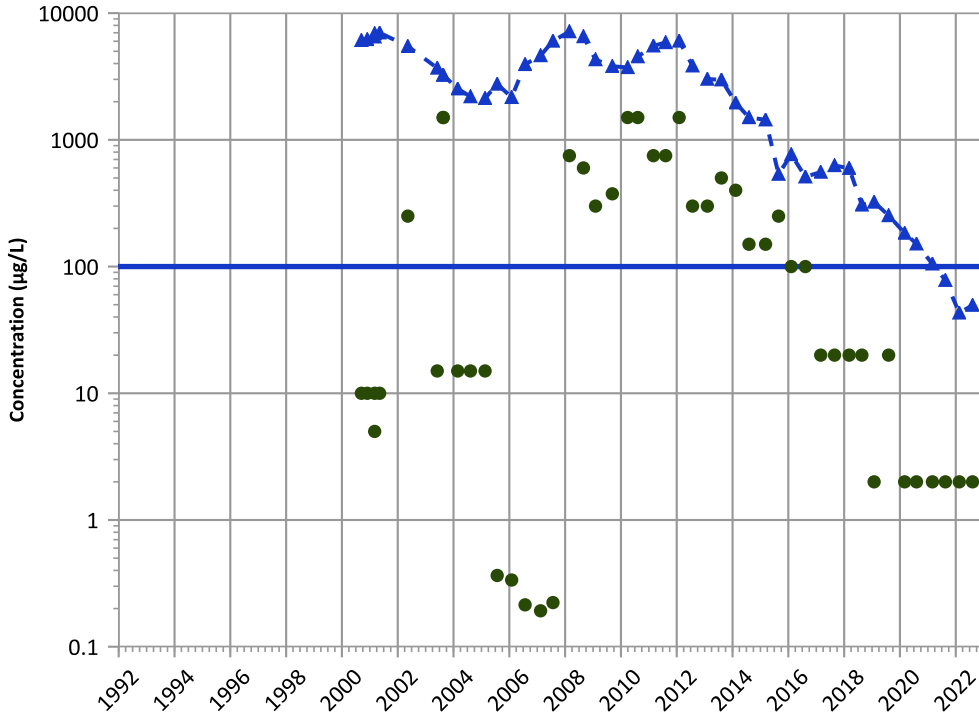


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Chromium, Hexavalent Trend



Concentration Trend

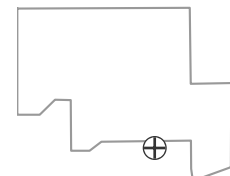
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

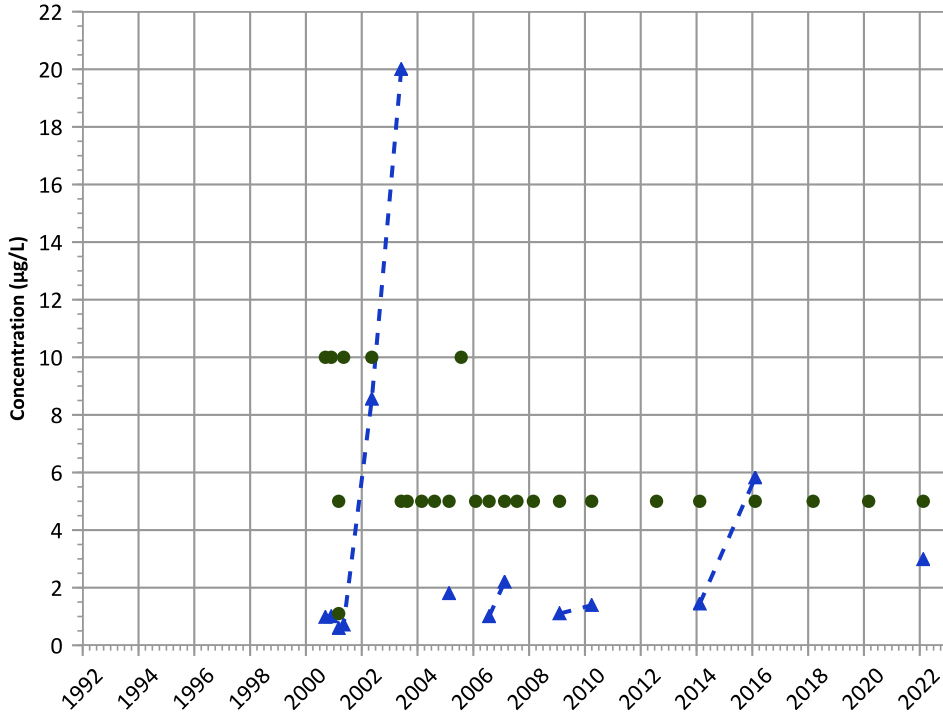
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

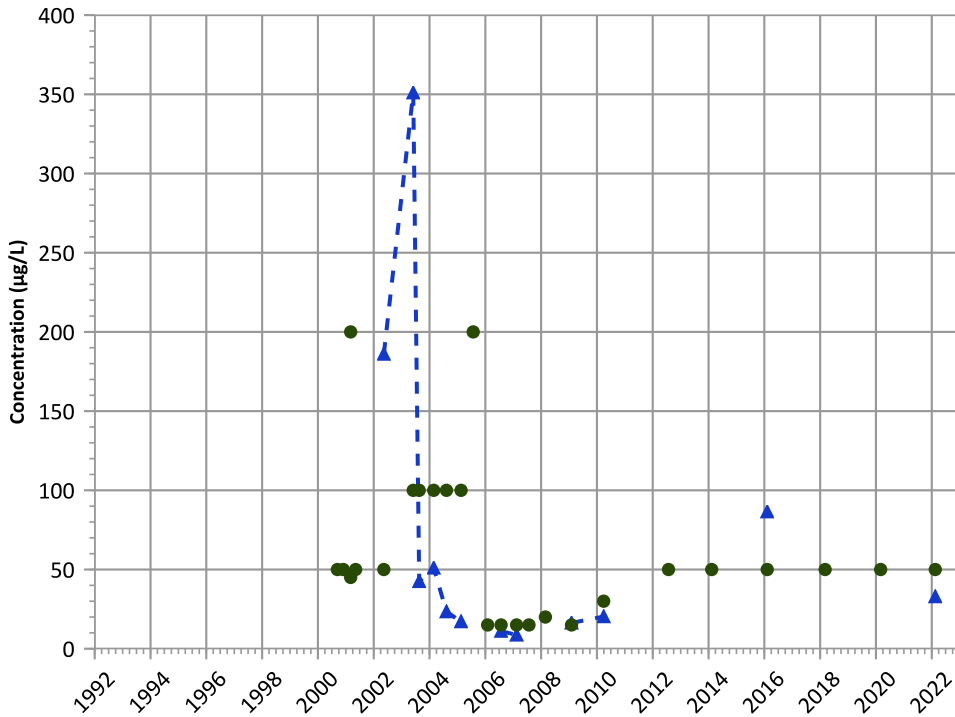


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

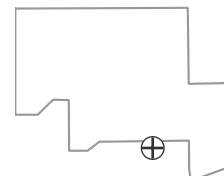
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

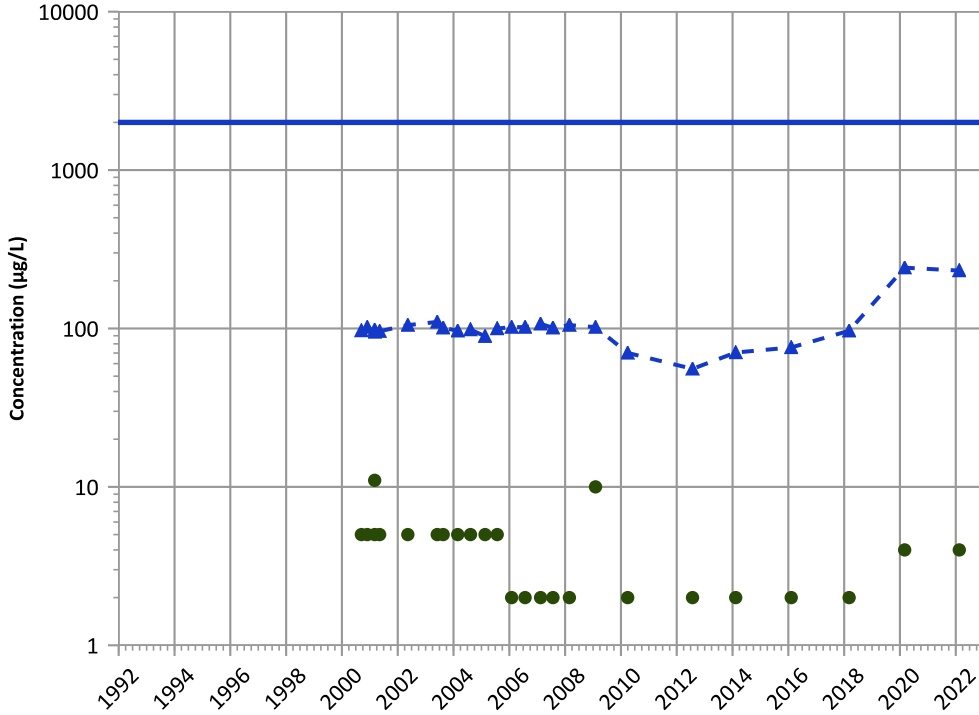
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

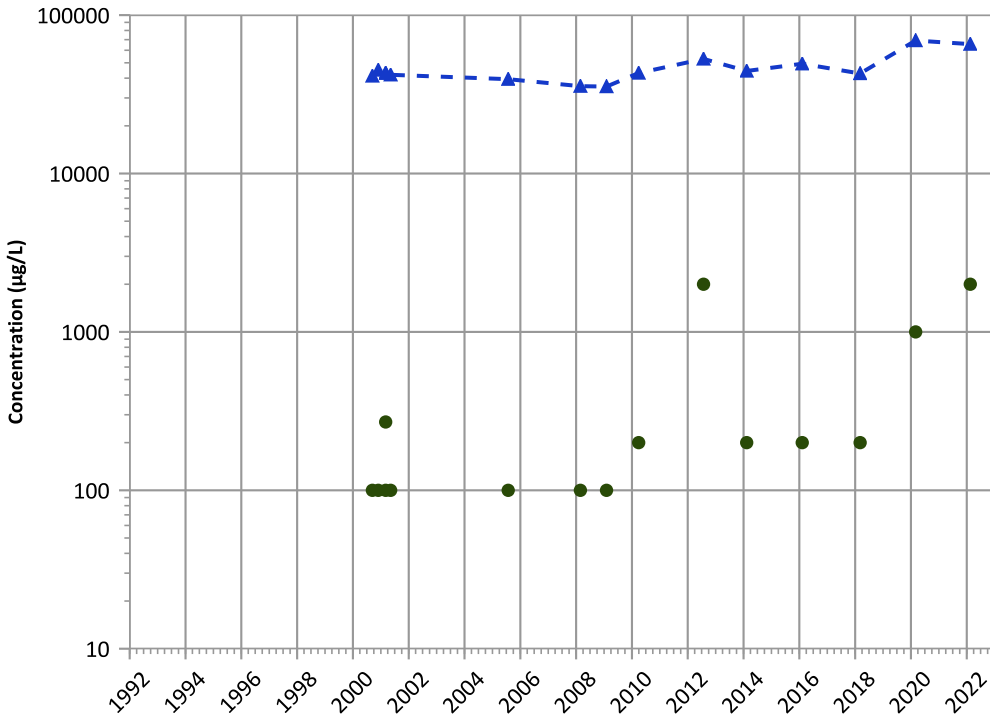
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

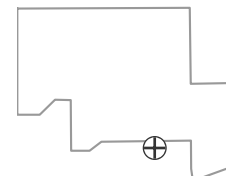
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

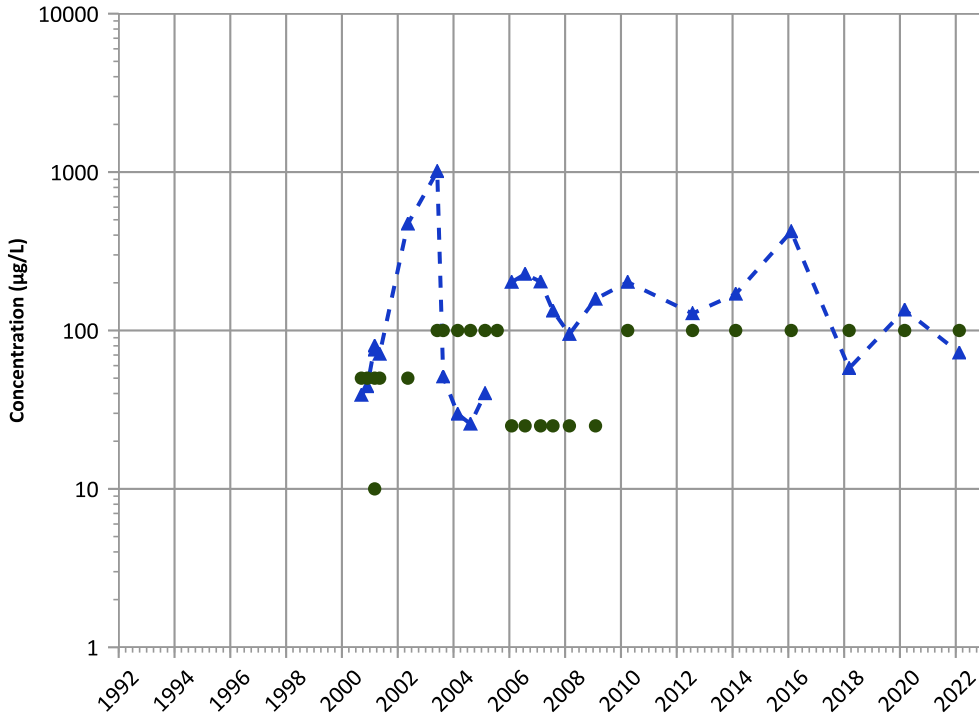
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

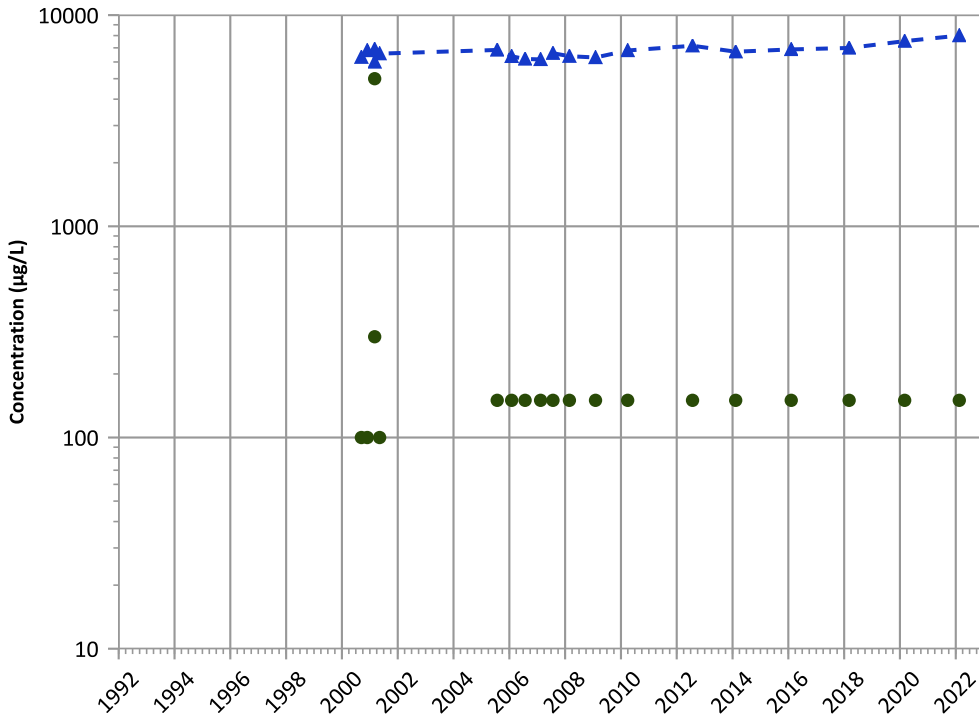


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

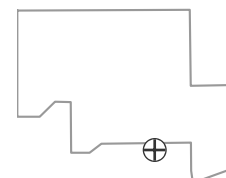
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

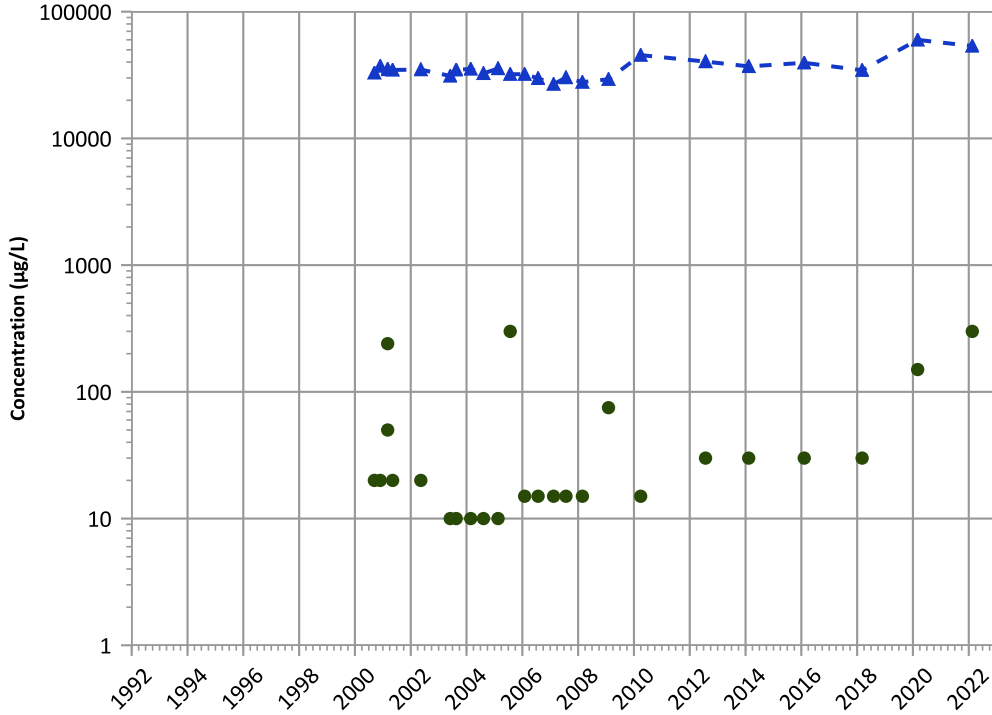
Well Location





PTX06-1052 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

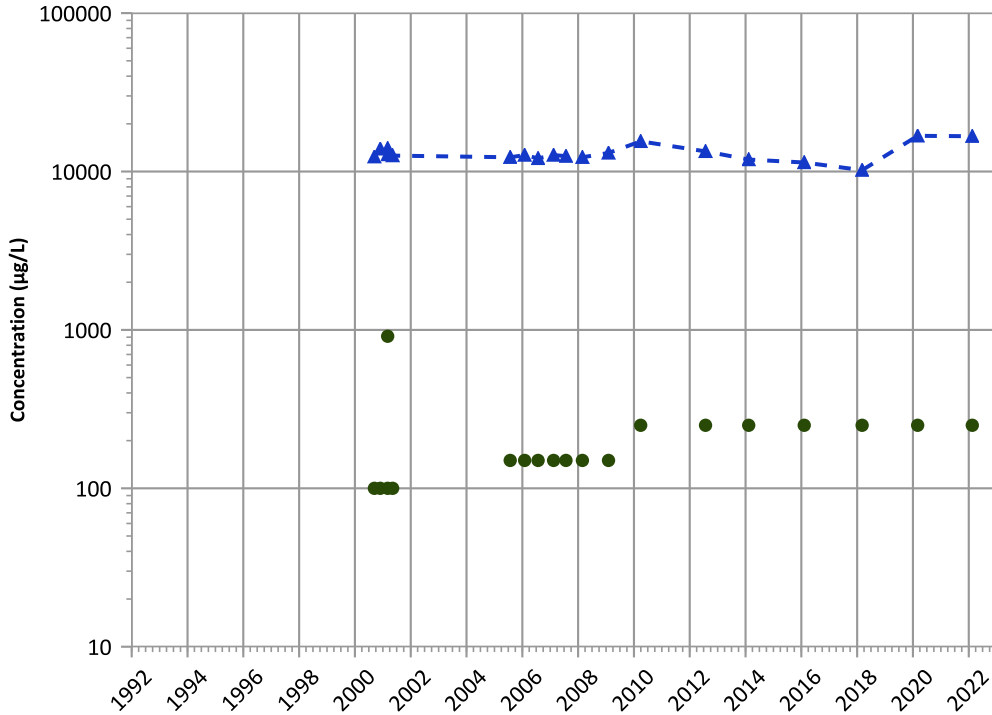
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

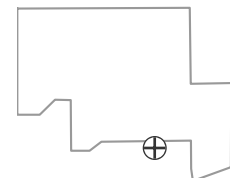
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Increasing

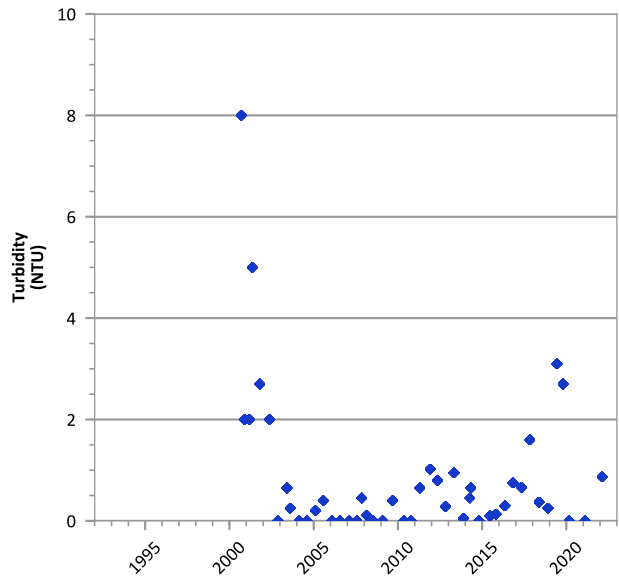
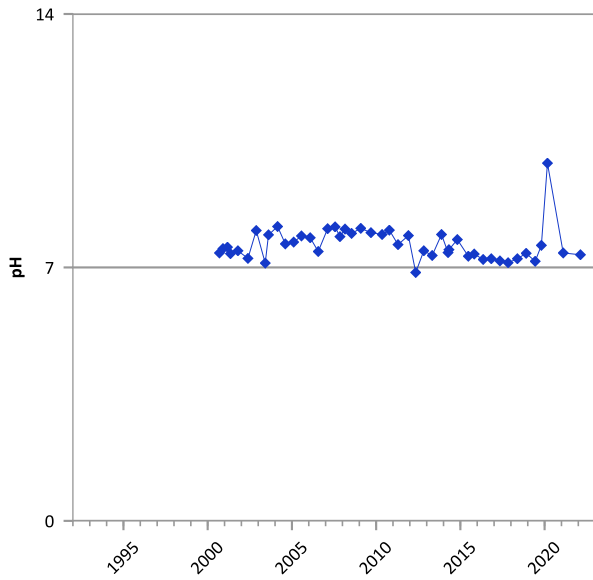
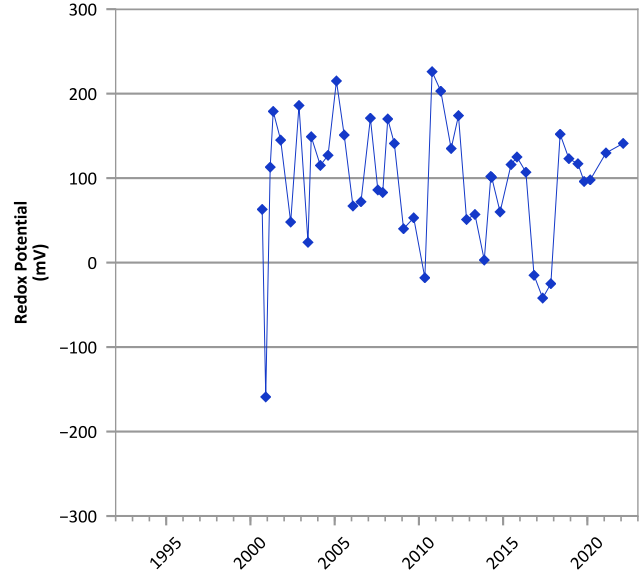
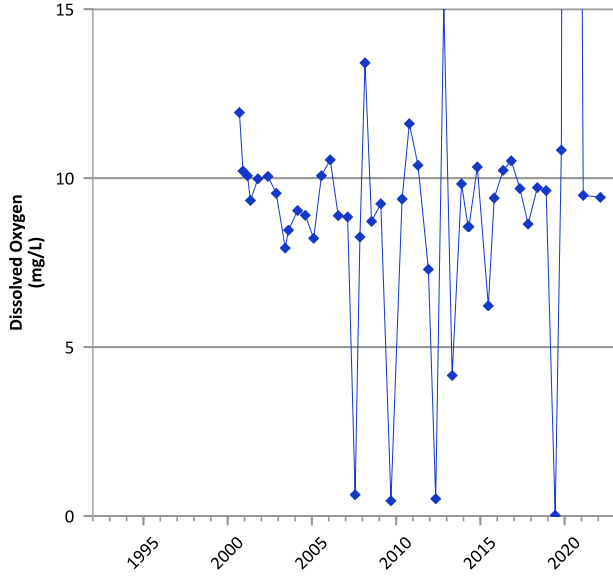
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 11/29/2022  
Analysis Date: 04/27/2023

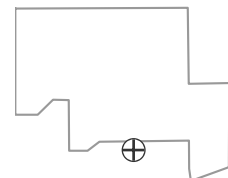
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



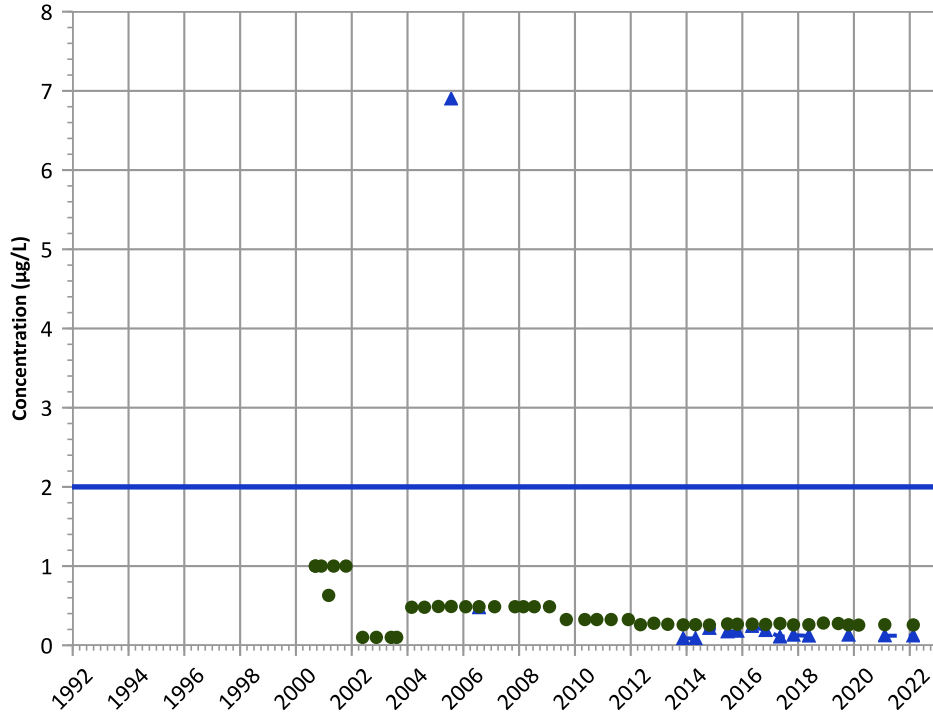
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

**Well Location**



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

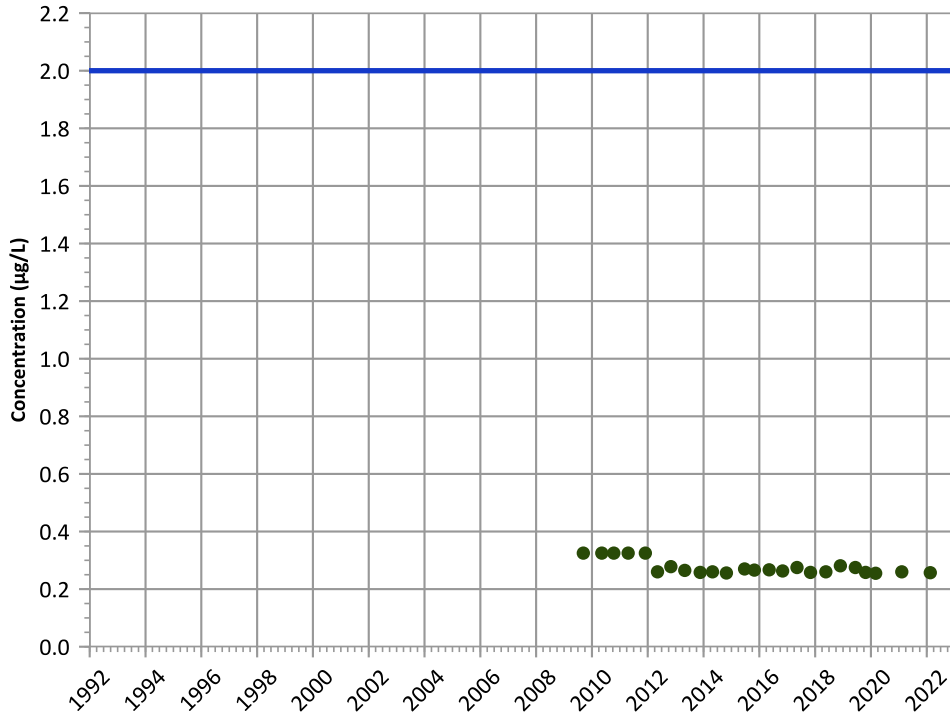


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

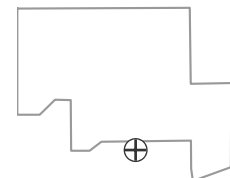
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

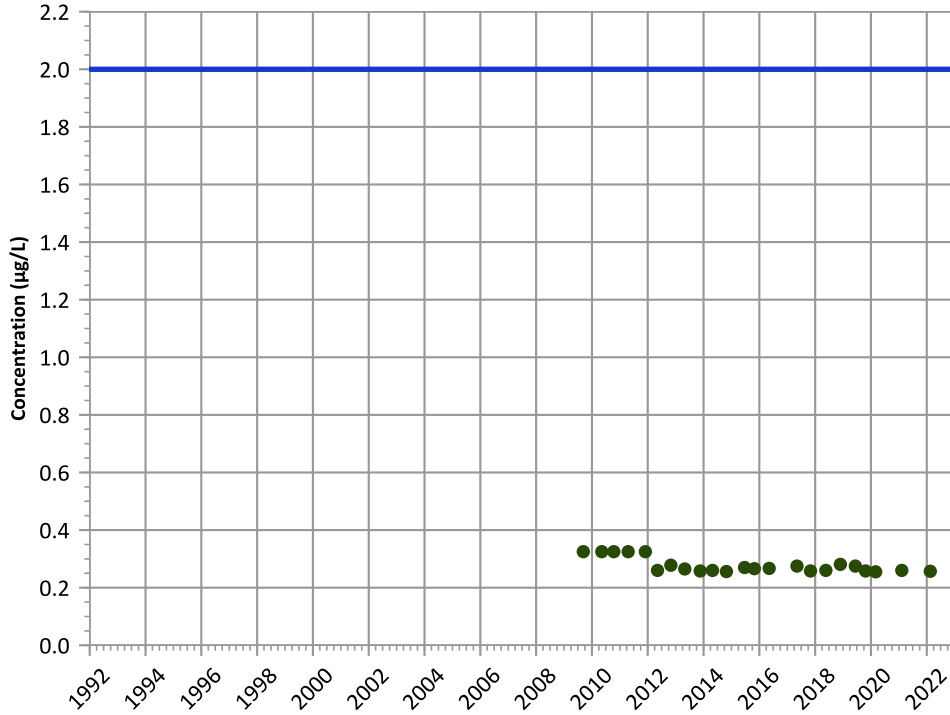
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

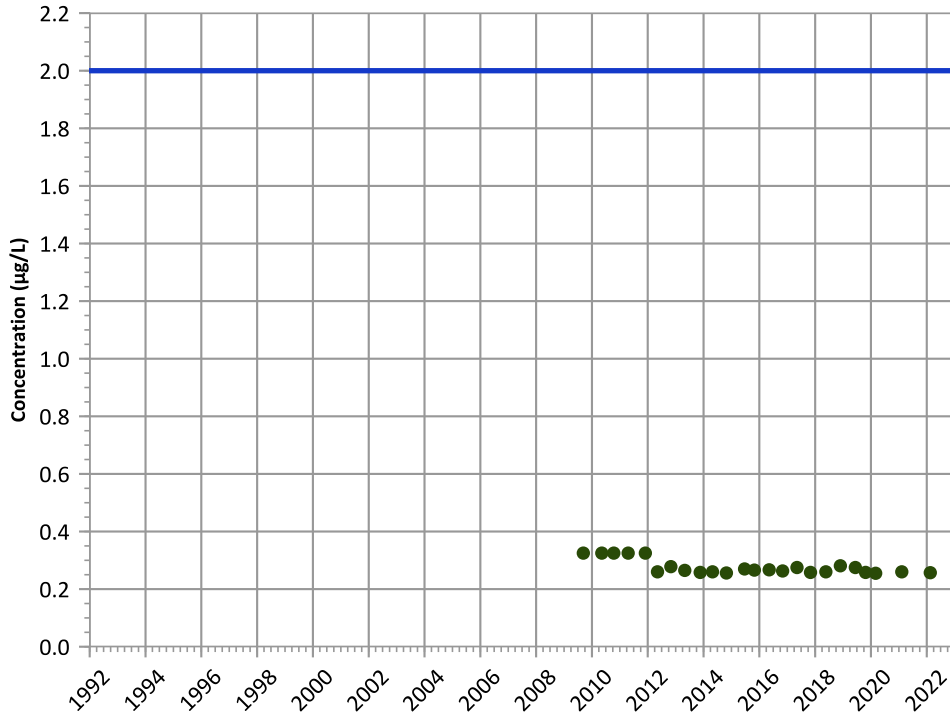


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

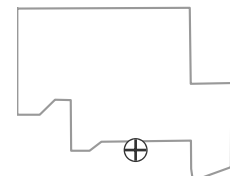


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

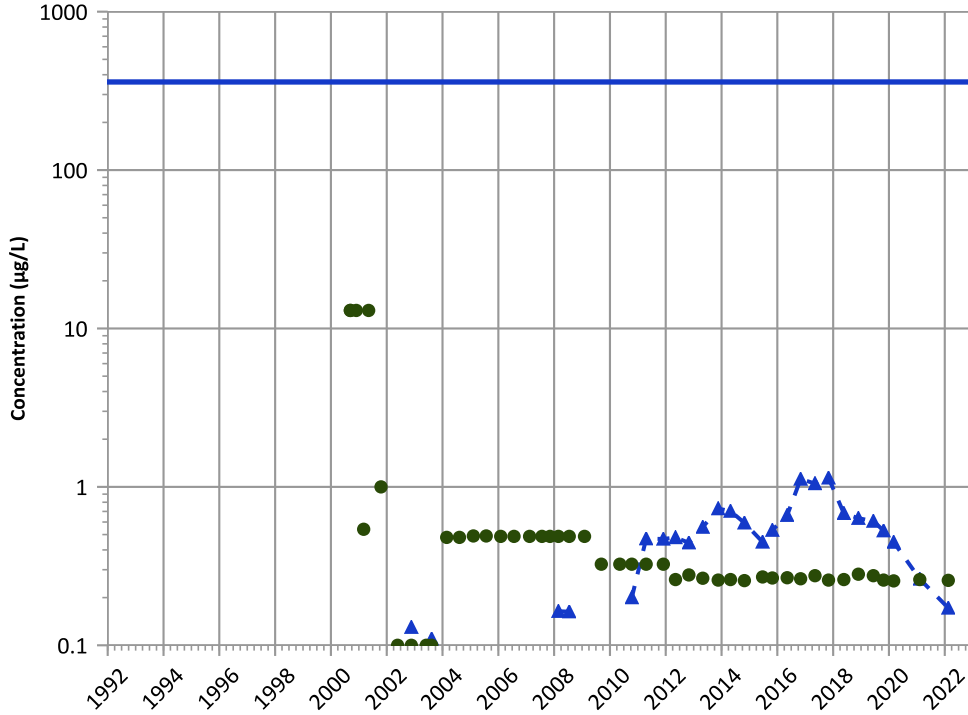


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

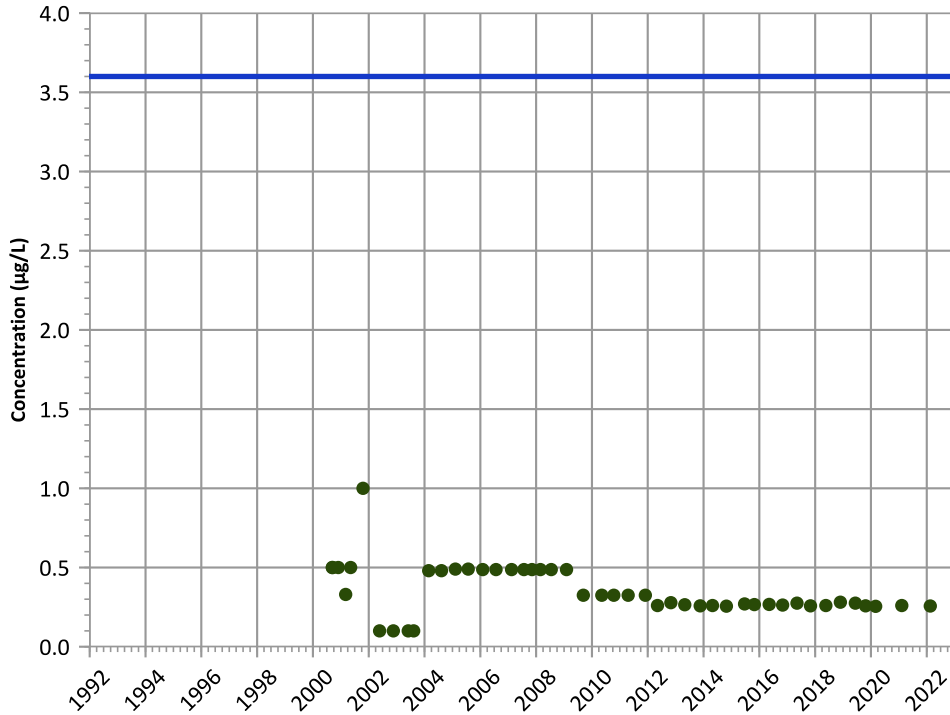


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

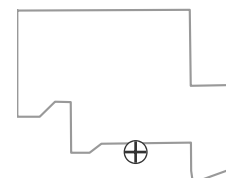
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

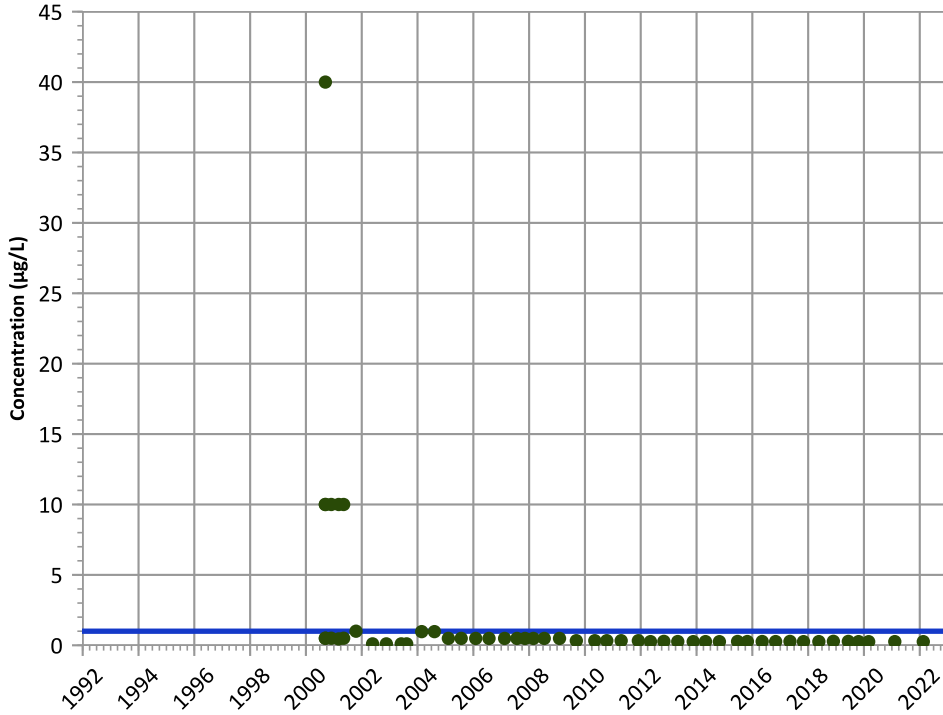
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

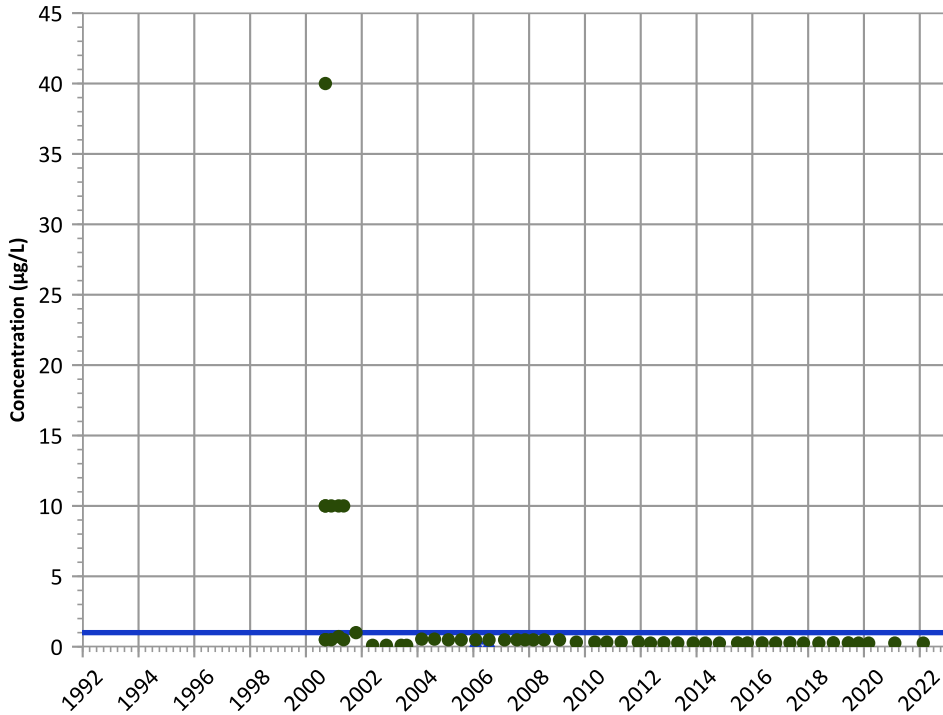
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

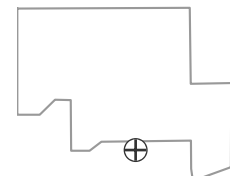
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

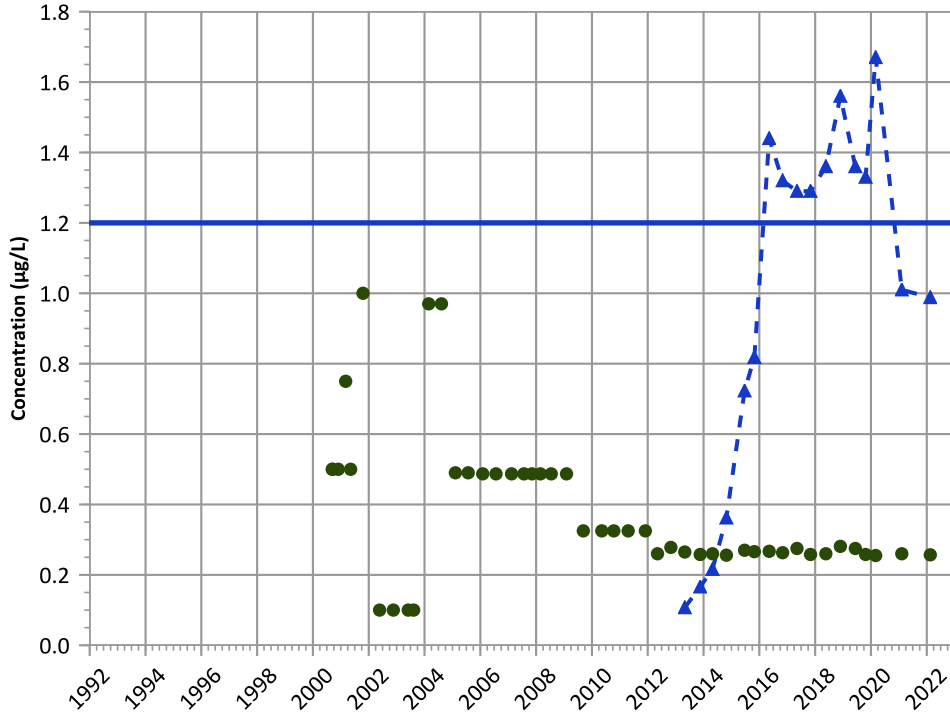
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

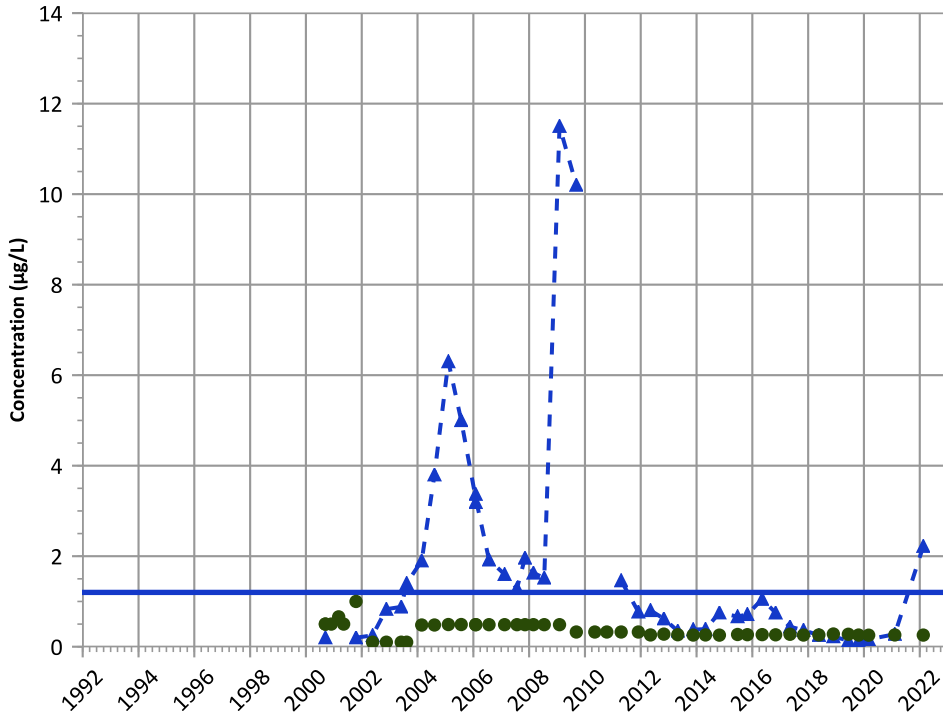
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

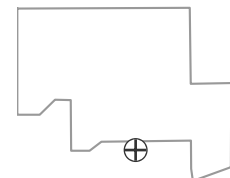
2020 - 2022 Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

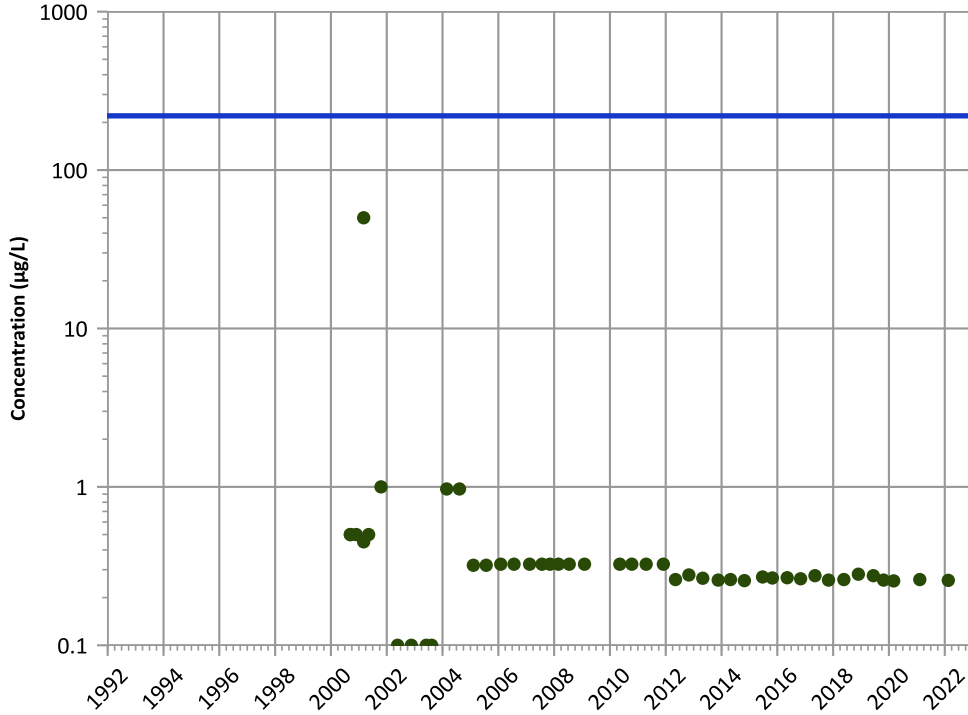
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

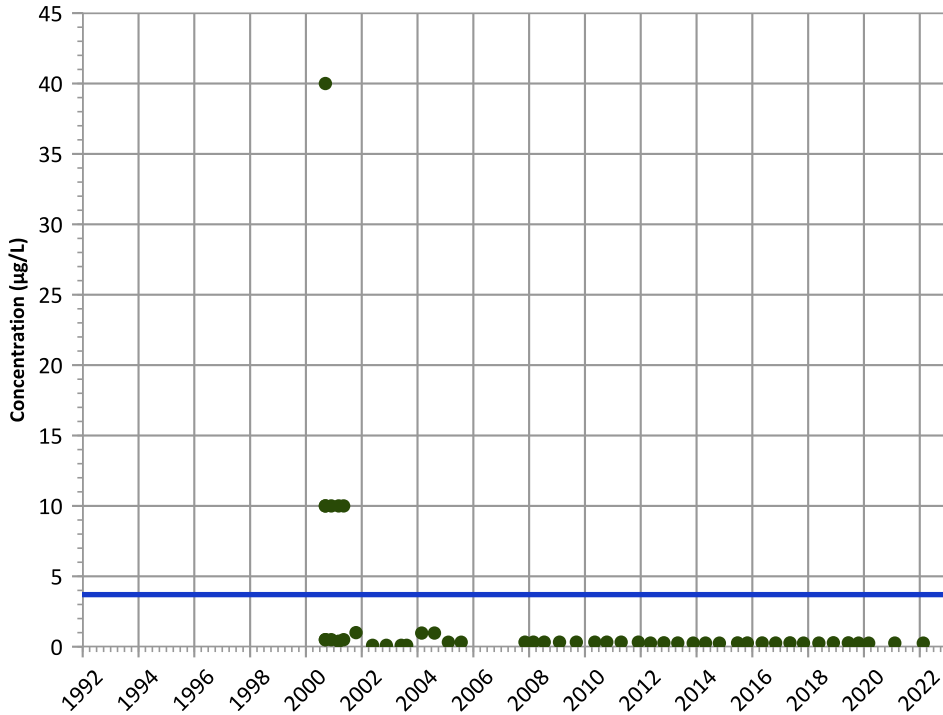
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

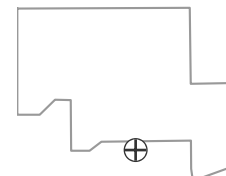
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

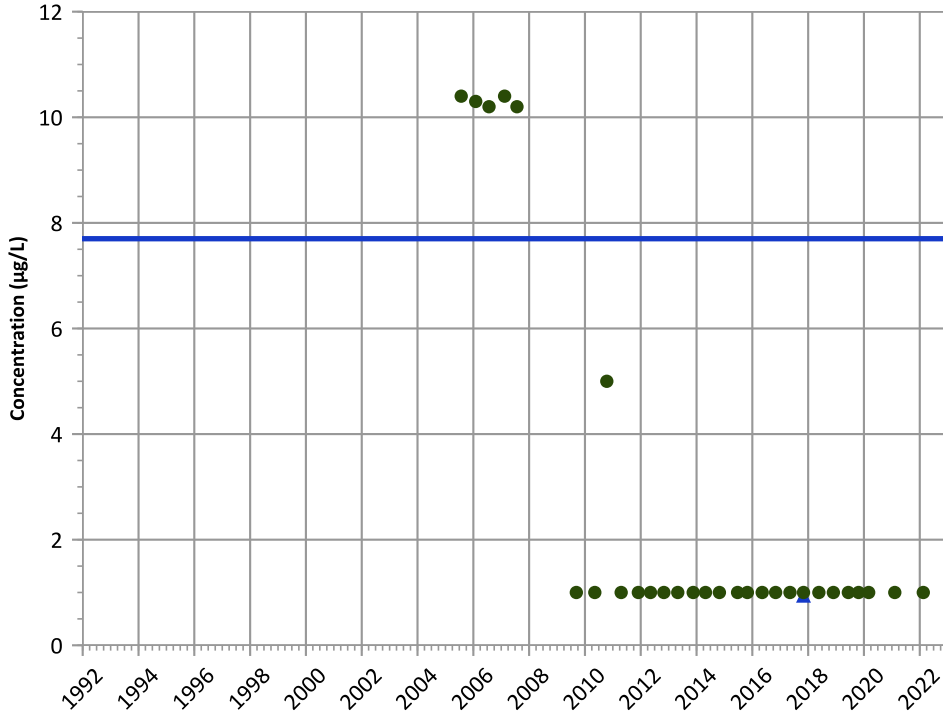
Well Location





PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

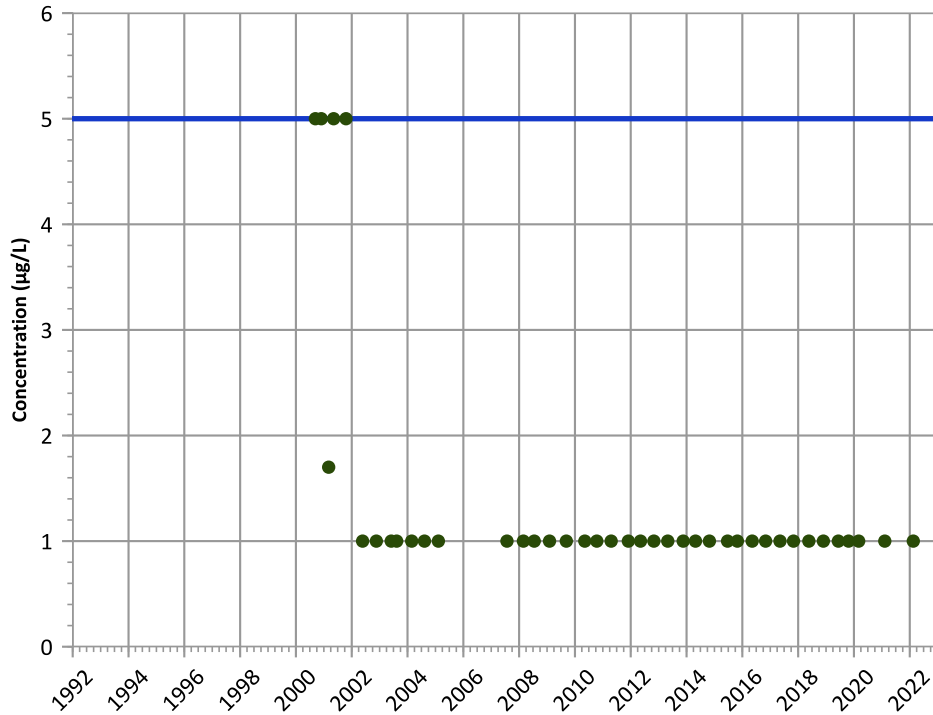


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

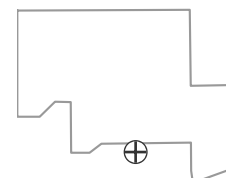
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

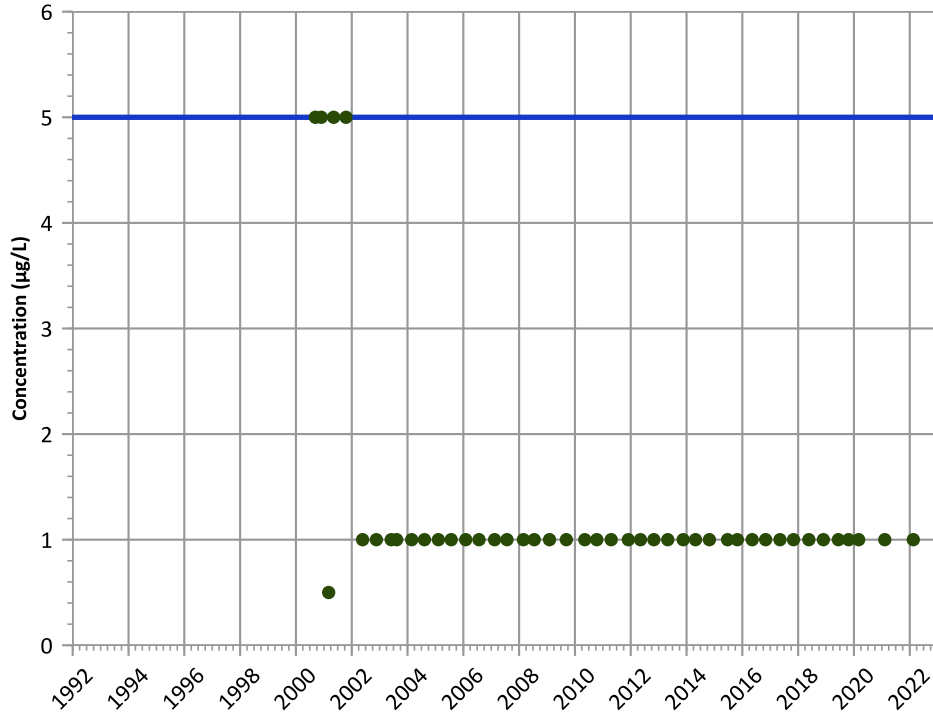
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

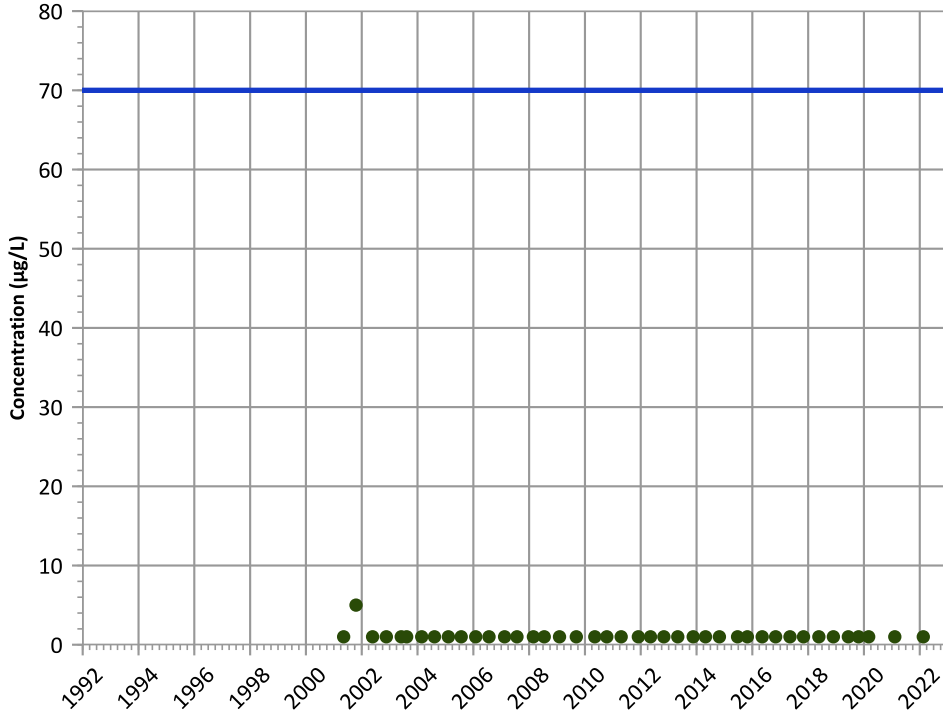
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

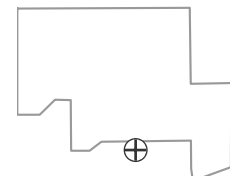
2020 - 2022 Data:

All Non-Detect

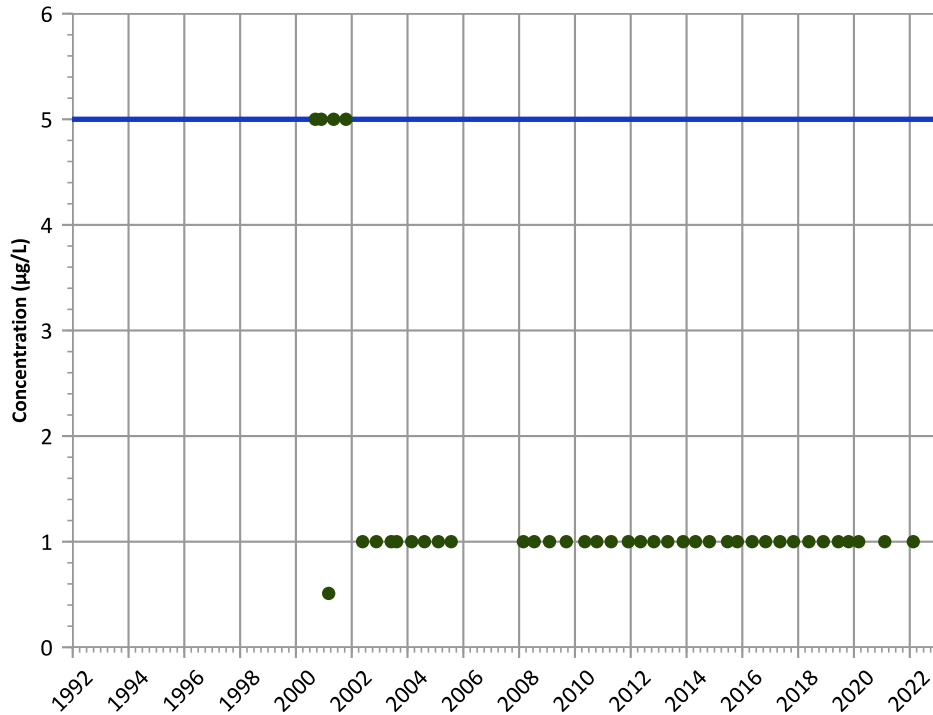
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 1,2-Dichloroethane Trend

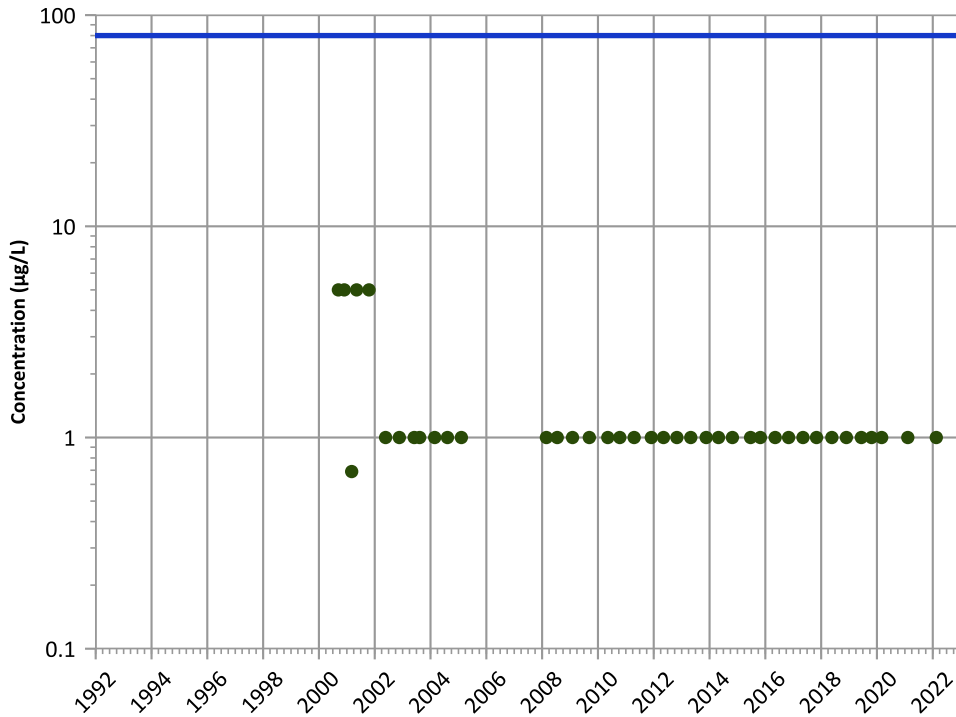


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**Chloroform Trend**



**Concentration Trend**

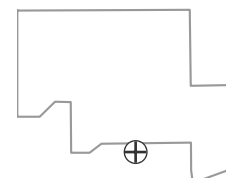
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/12/2000 to 02/16/2022  
 Analysis Date: 04/27/2023

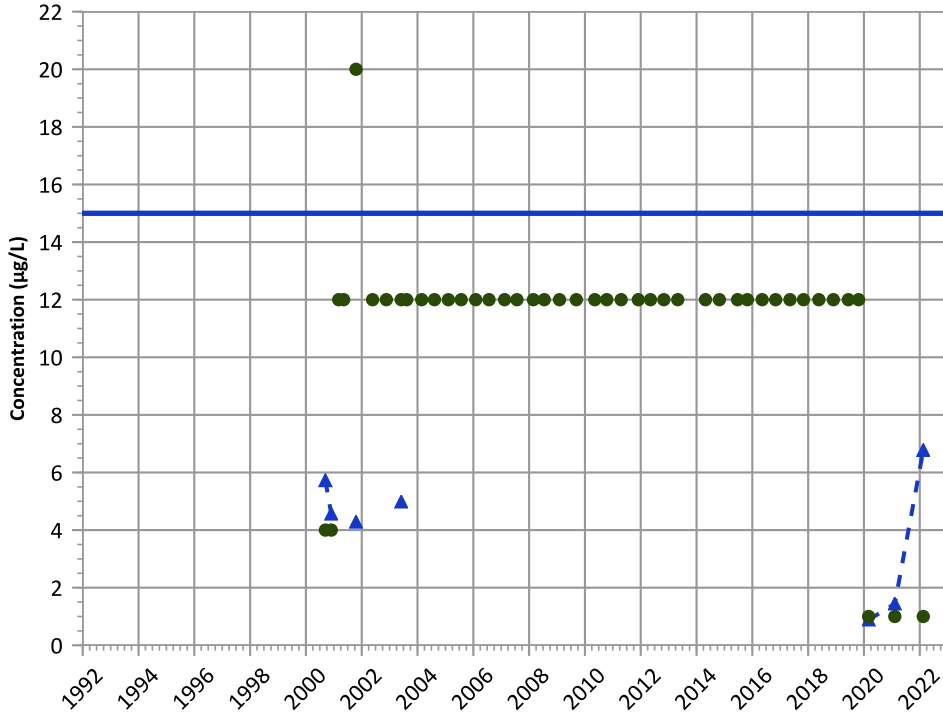
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

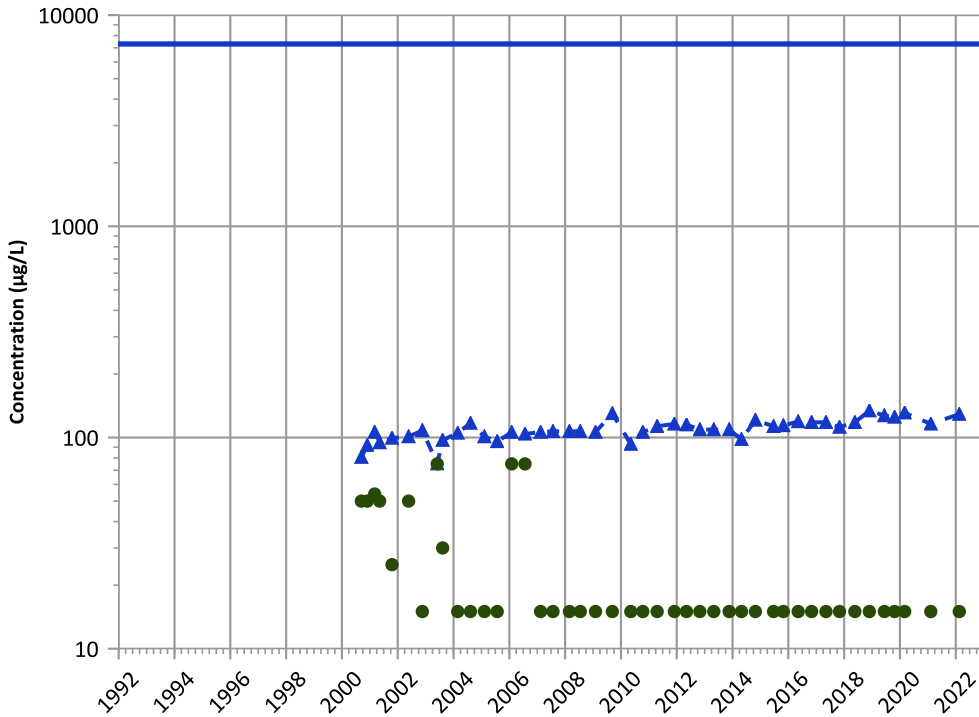


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

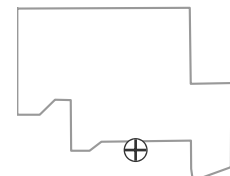
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

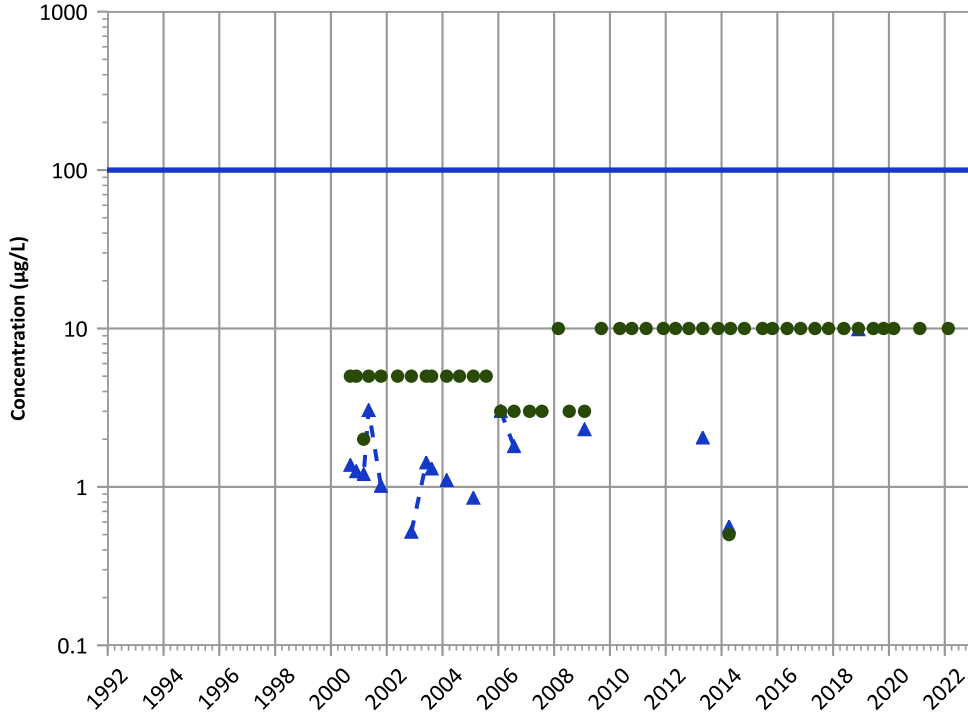
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

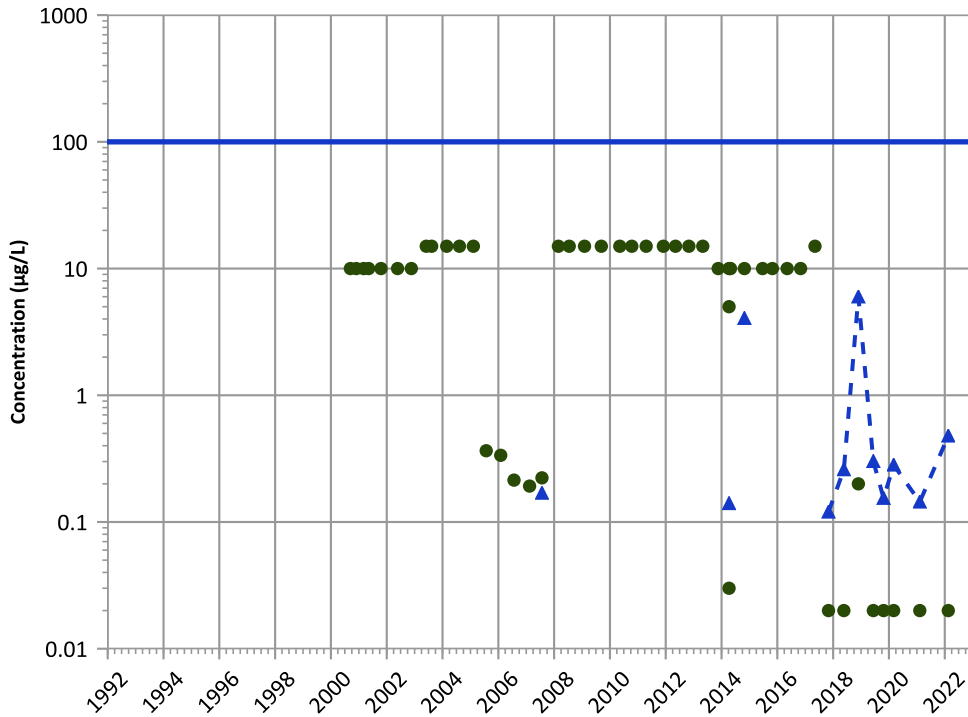


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend



Concentration Trend

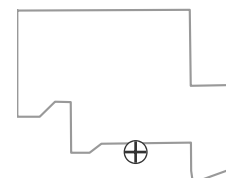
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

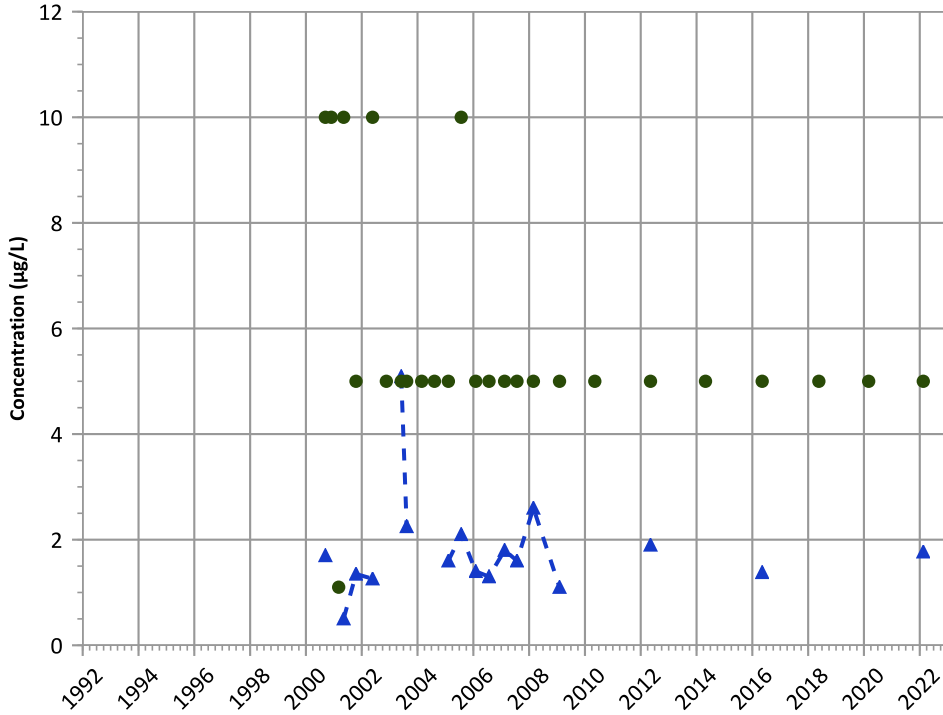
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

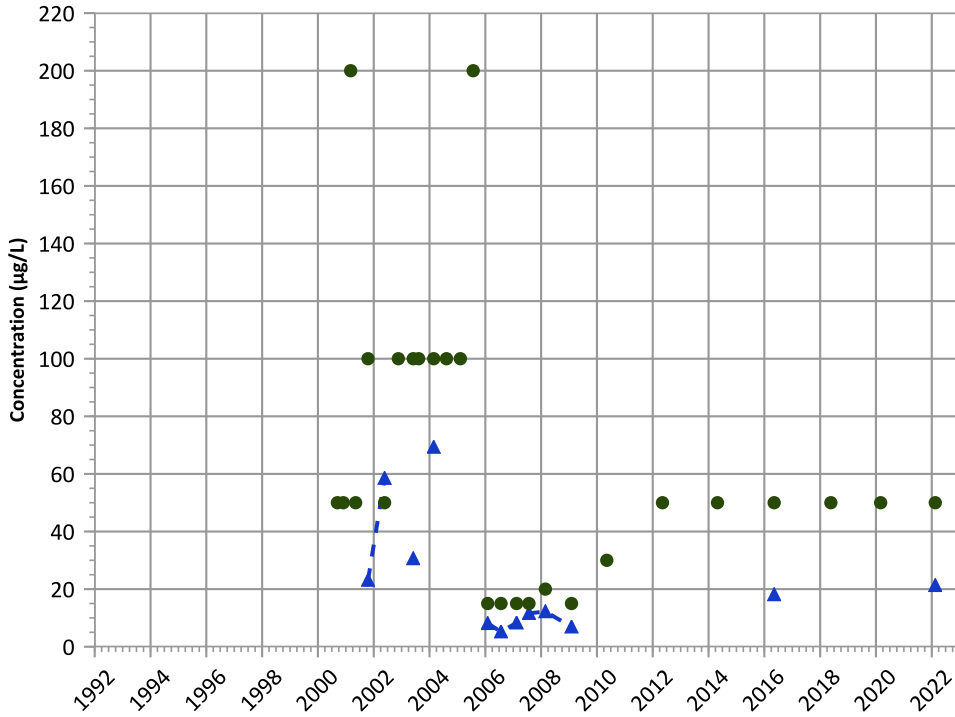


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

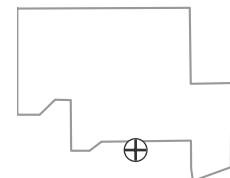
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

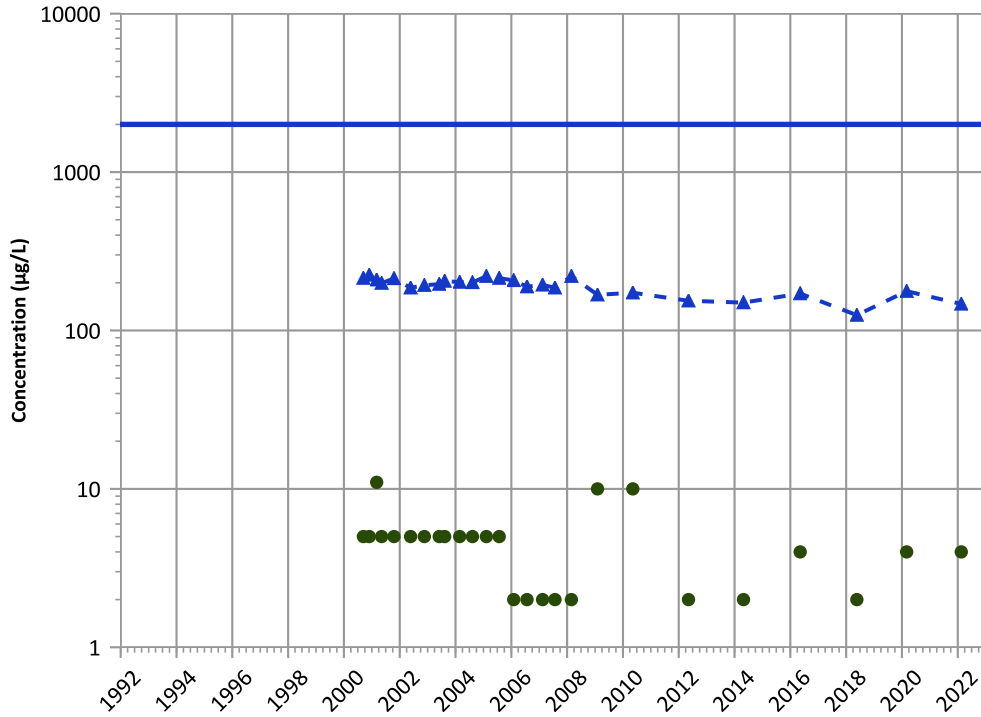
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

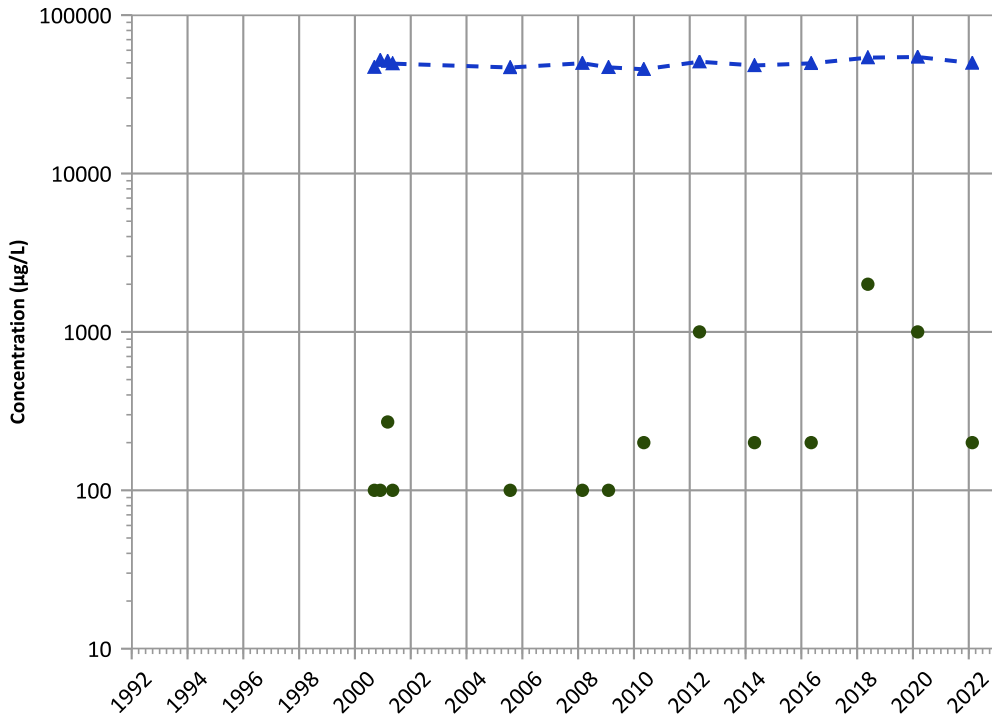
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

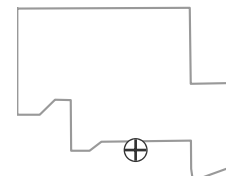
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

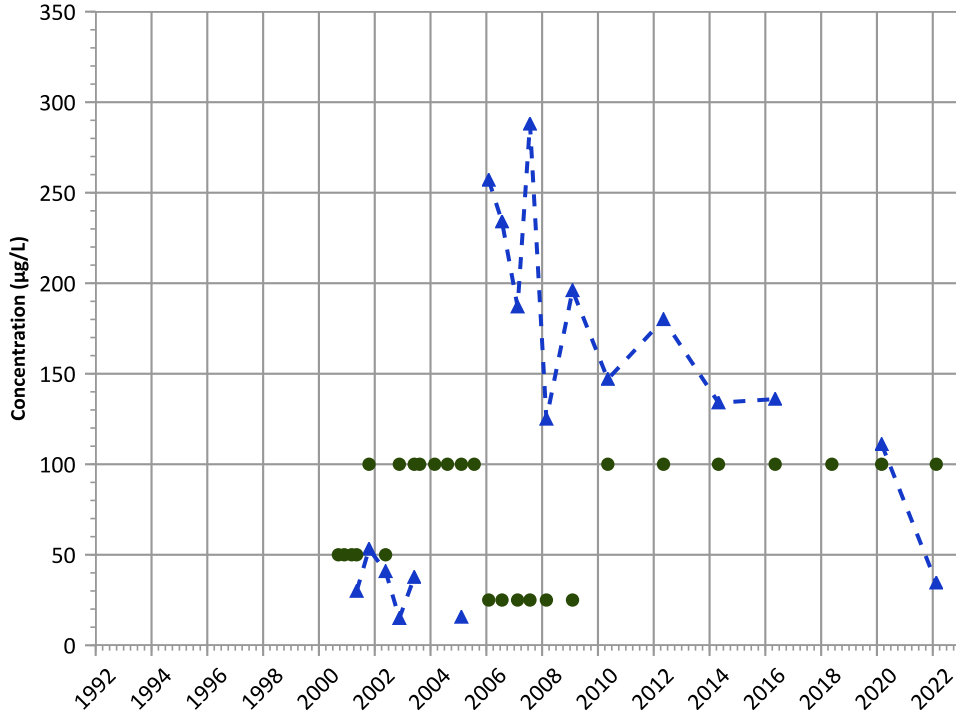
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

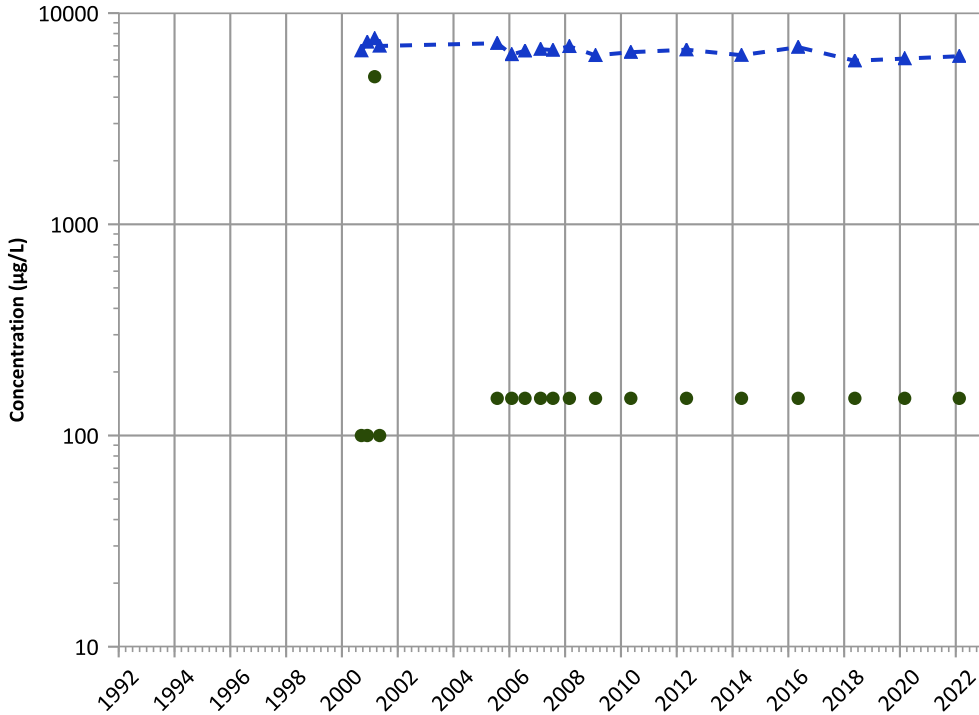


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Potassium Trend



Concentration Trend

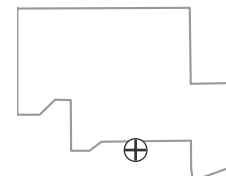
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

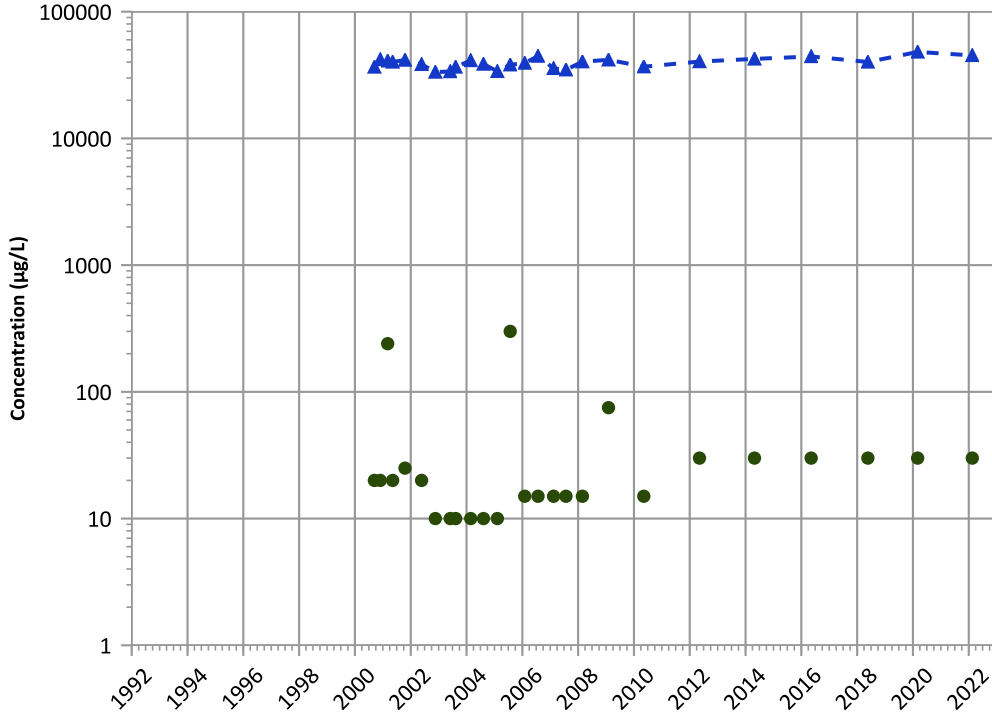
Well Location





PTX06-1053 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

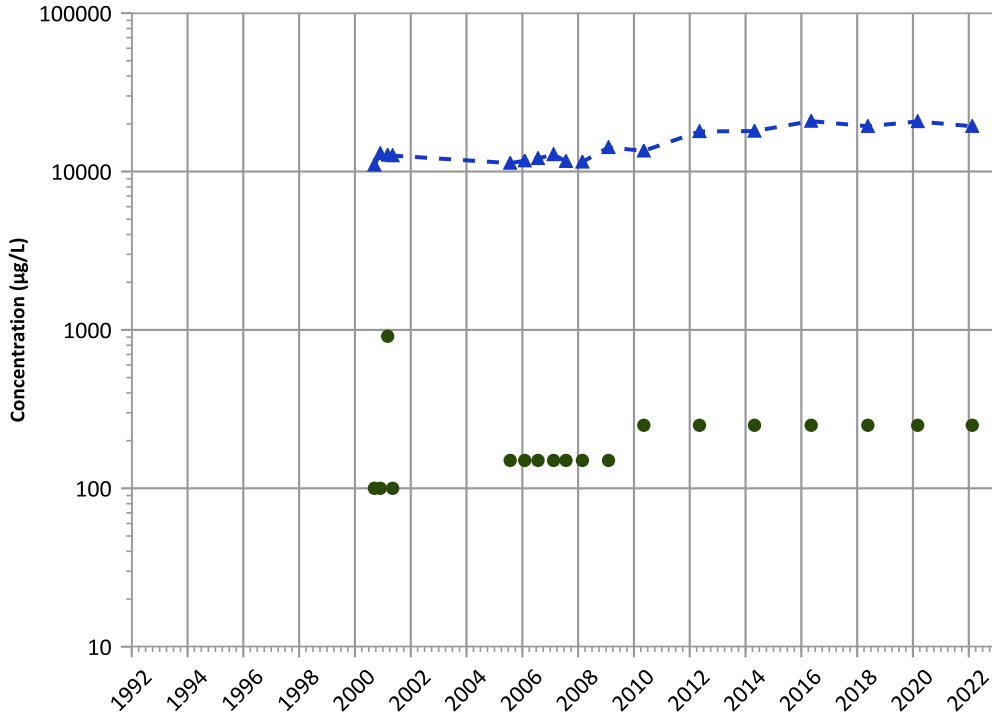
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

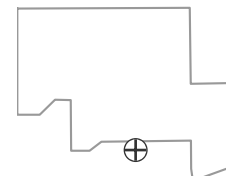
2020 - 2022 Data:

Stable

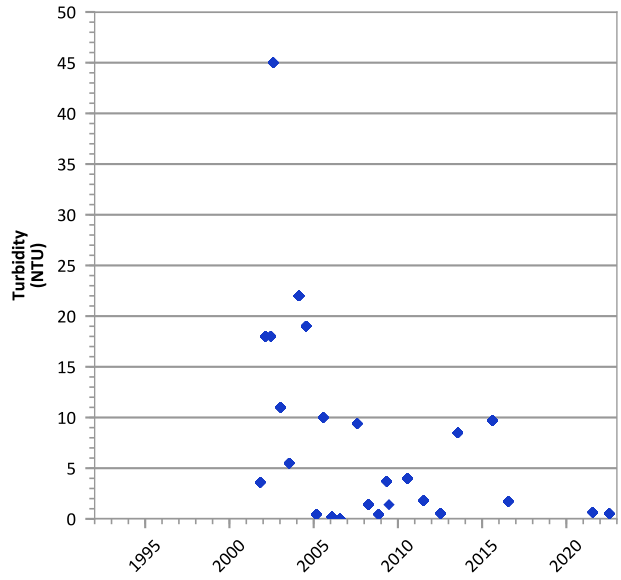
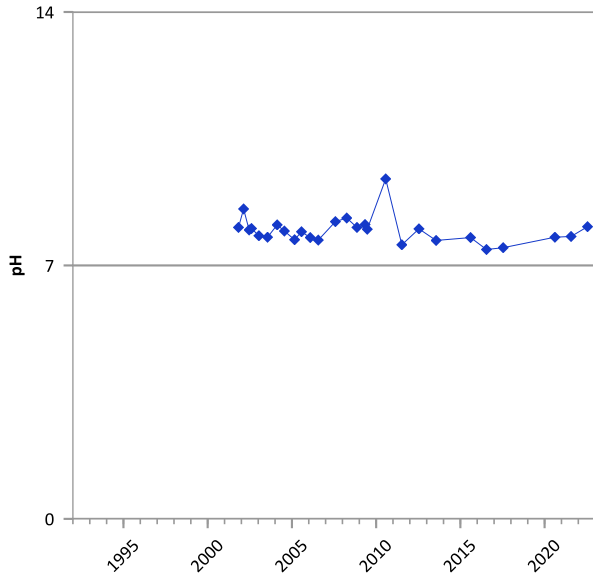
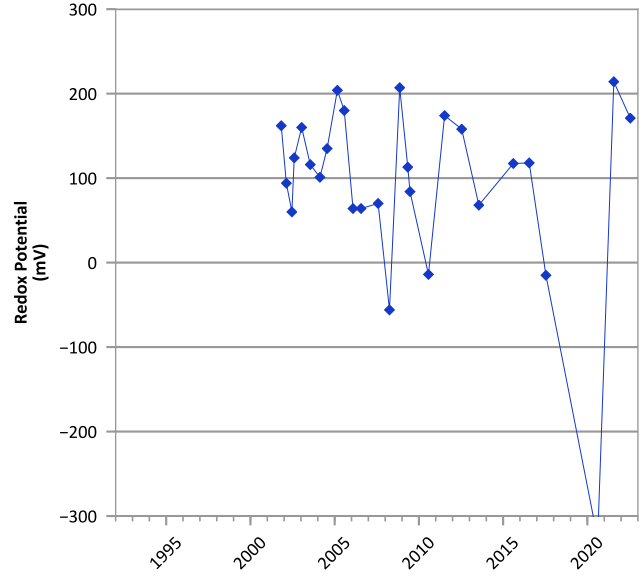
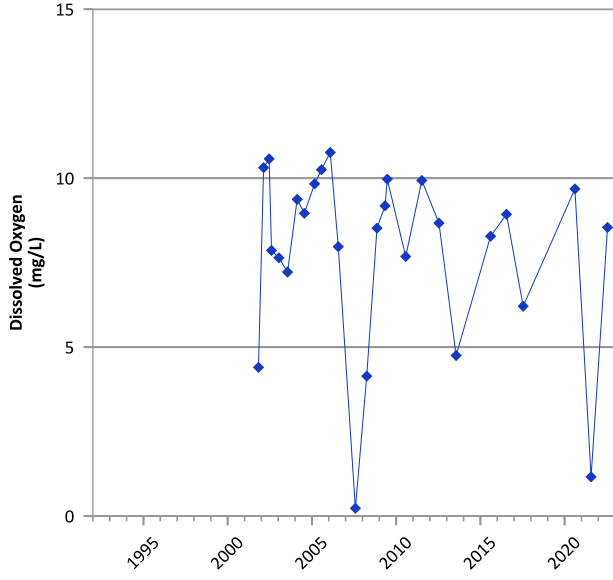
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

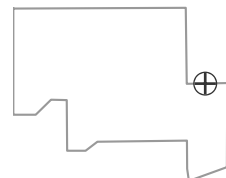


**PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



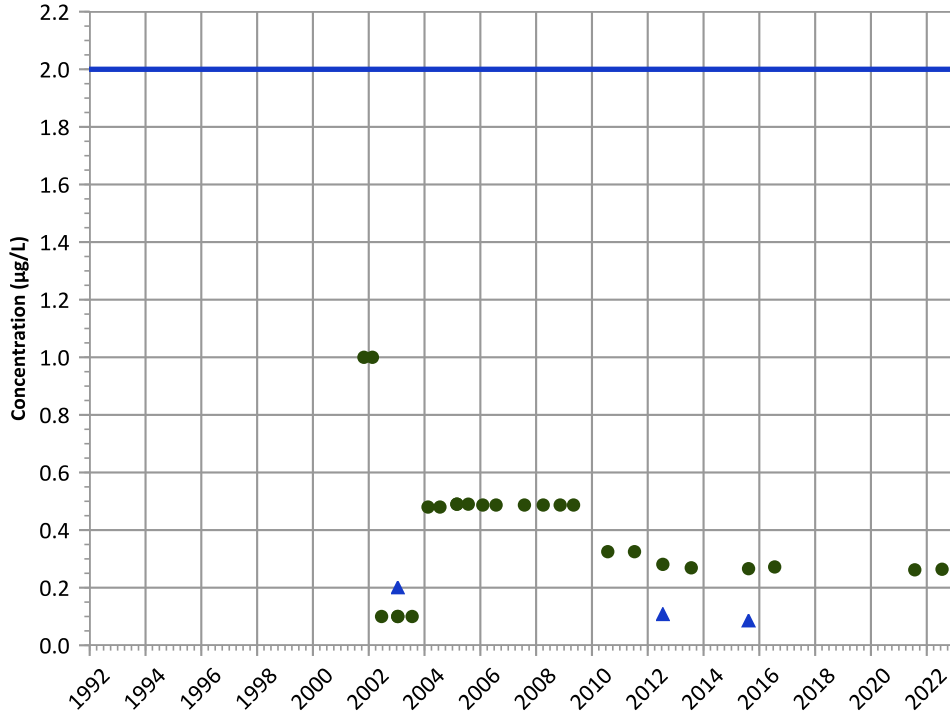
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/30/2001 to 07/20/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

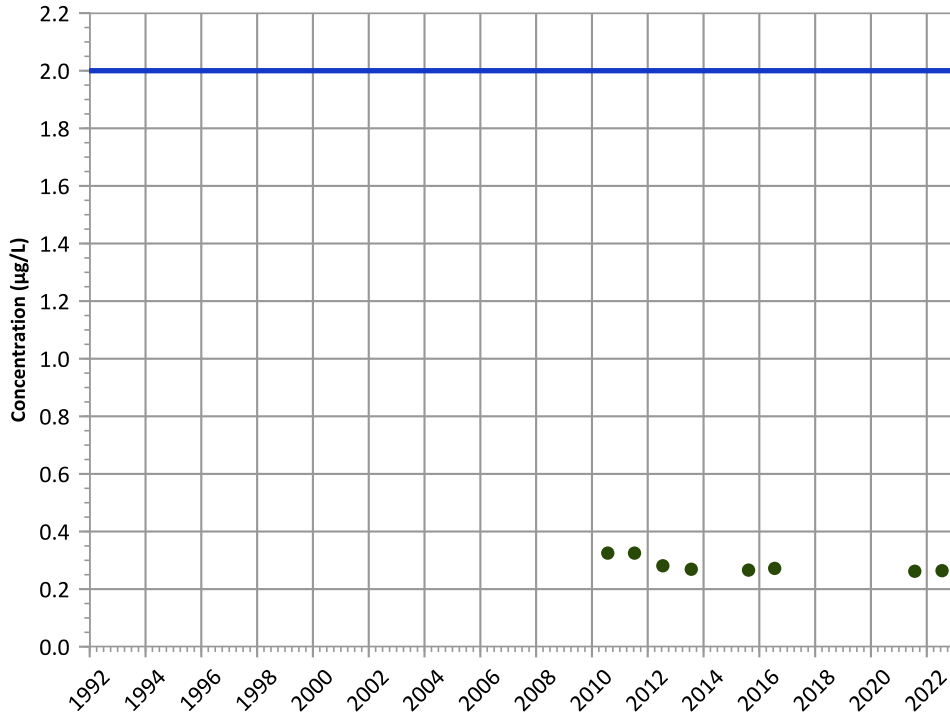


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

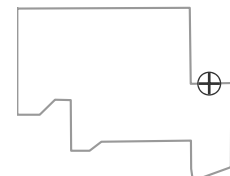
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

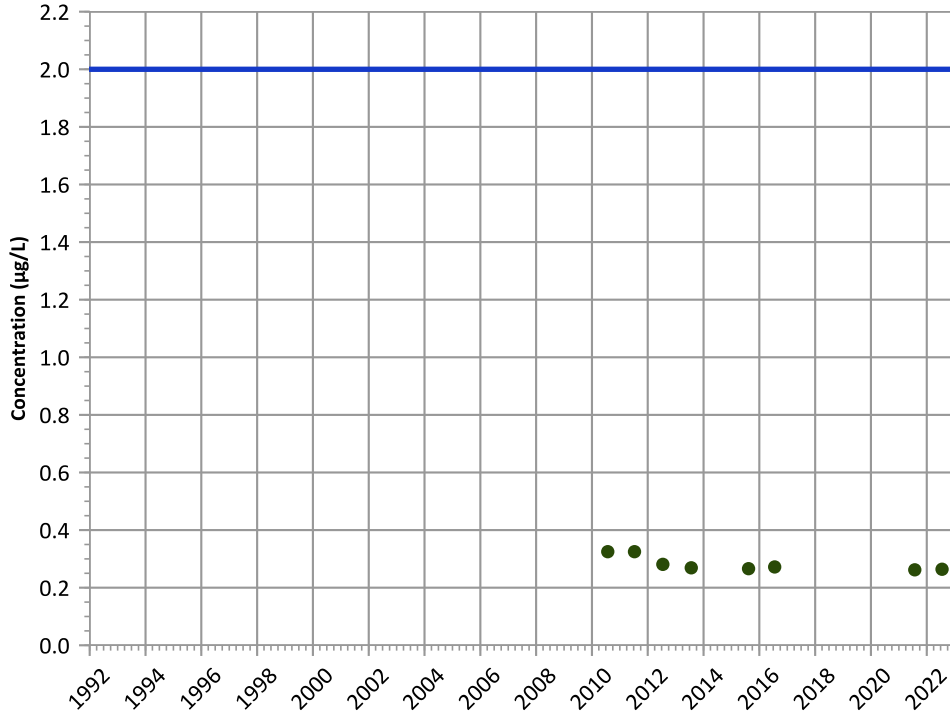
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

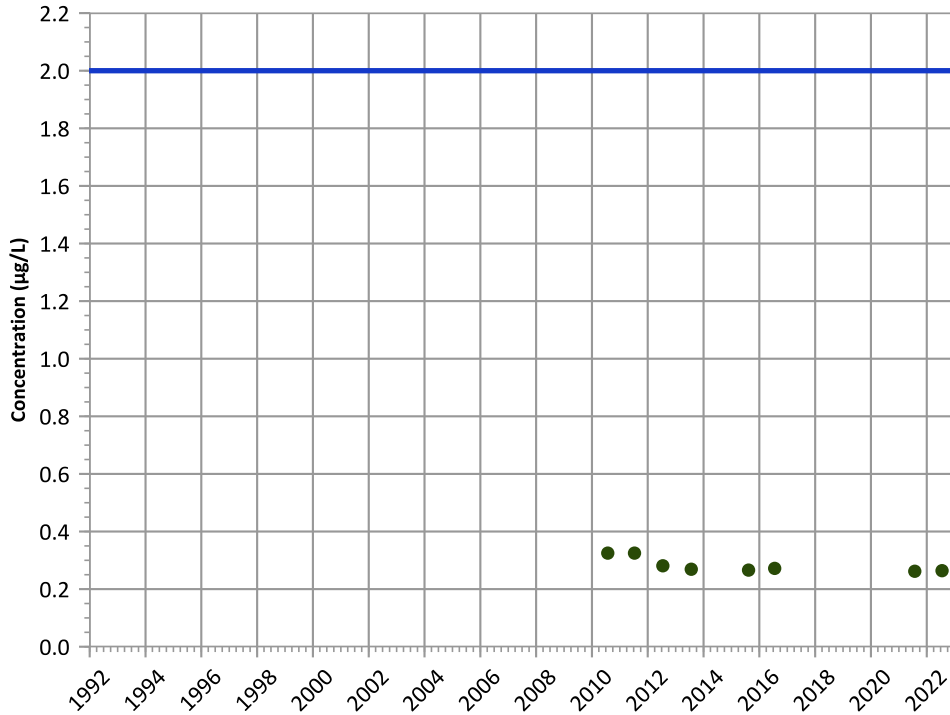
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

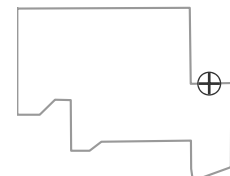
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 10/30/2001 to 07/20/2022

Analysis Date: 04/27/2023

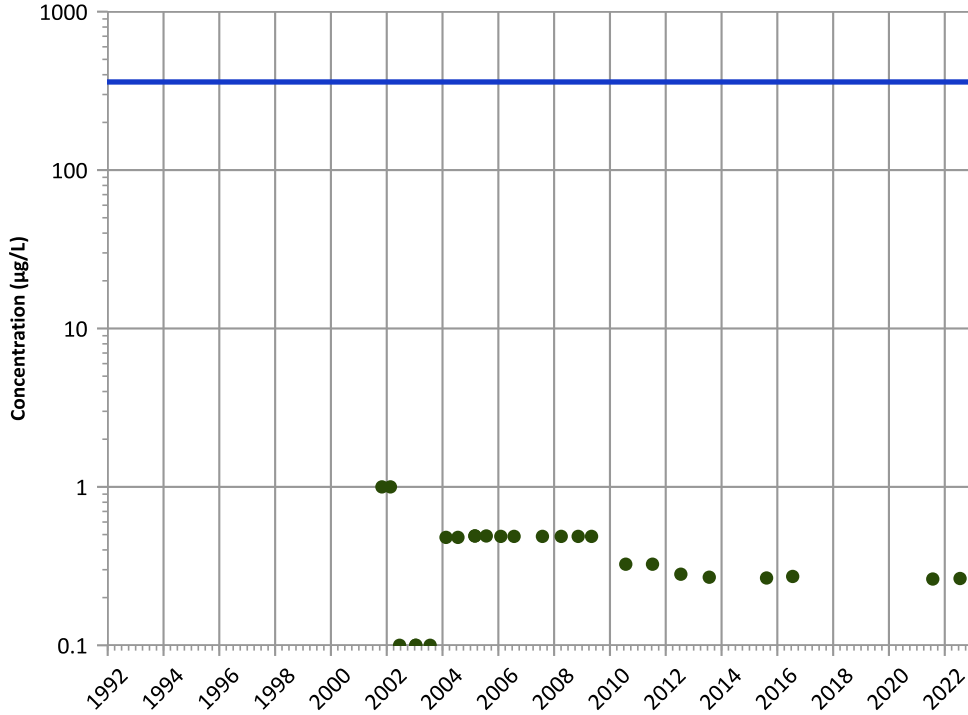
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

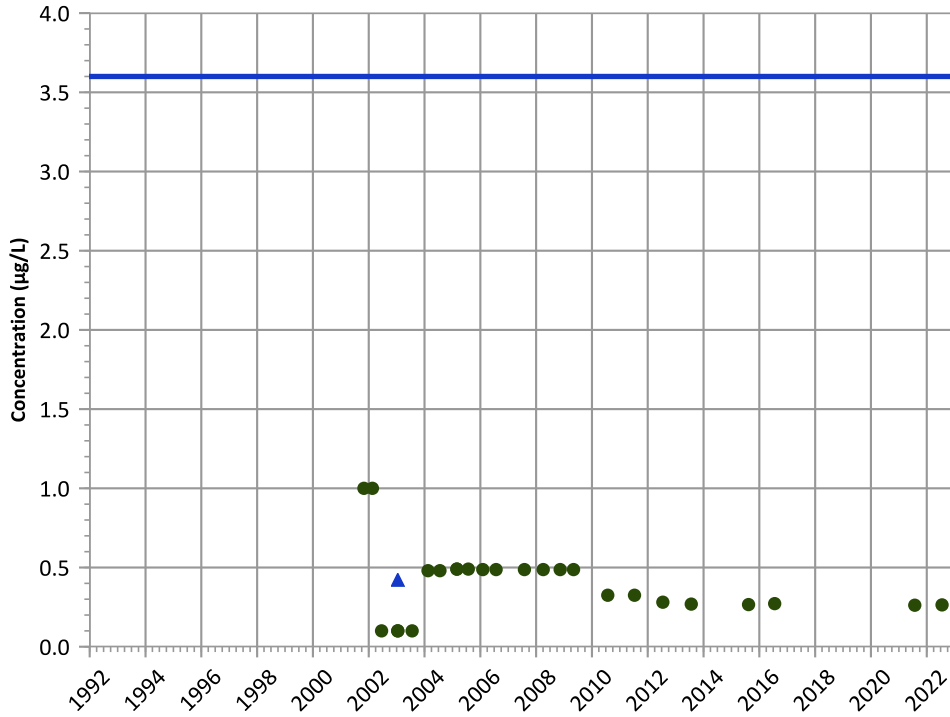
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

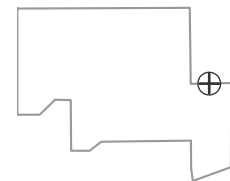
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

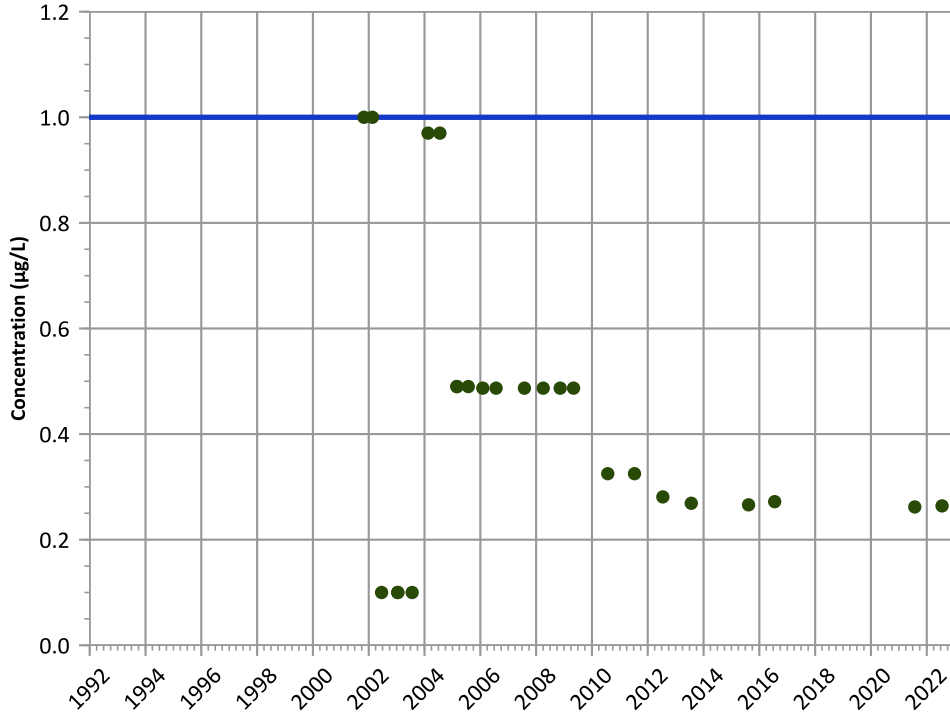


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

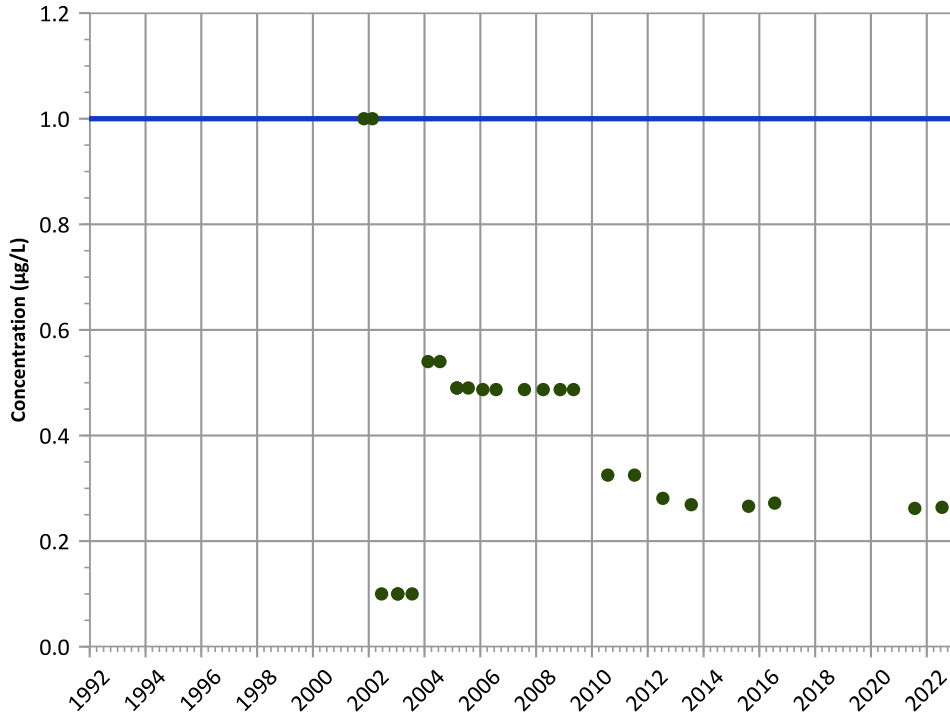
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

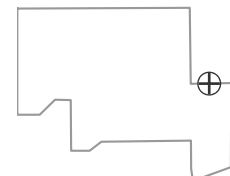
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

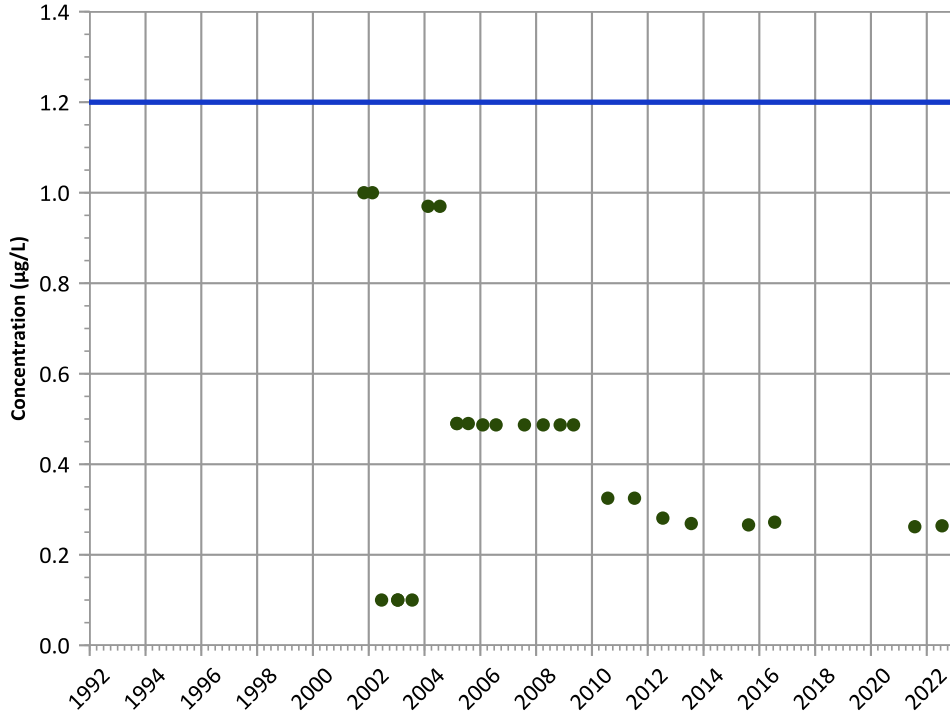
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

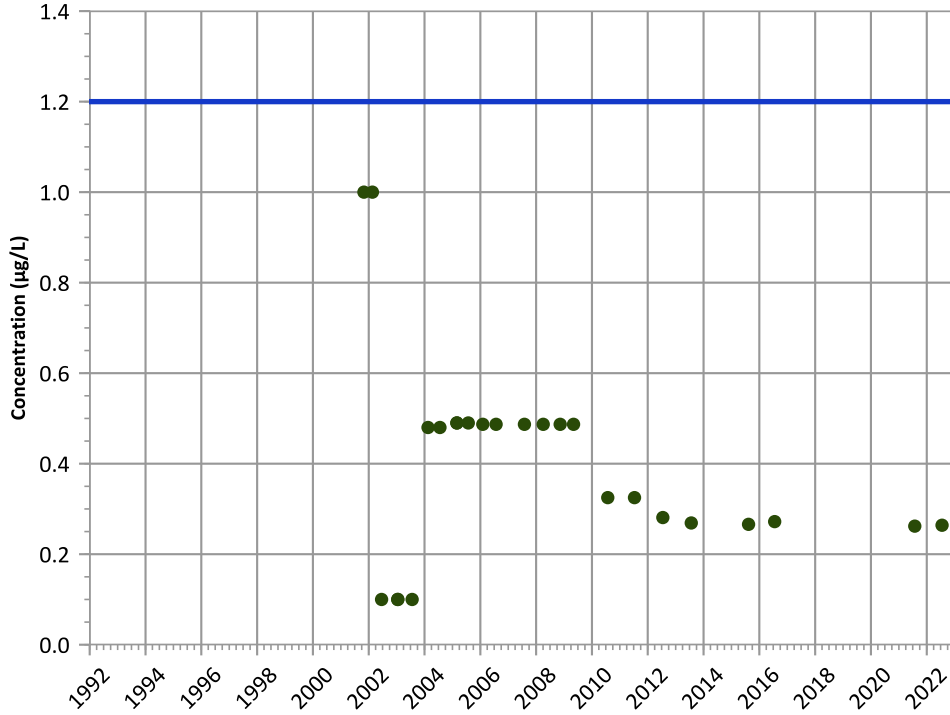
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

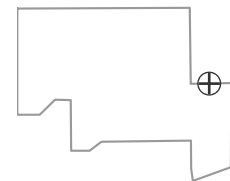
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

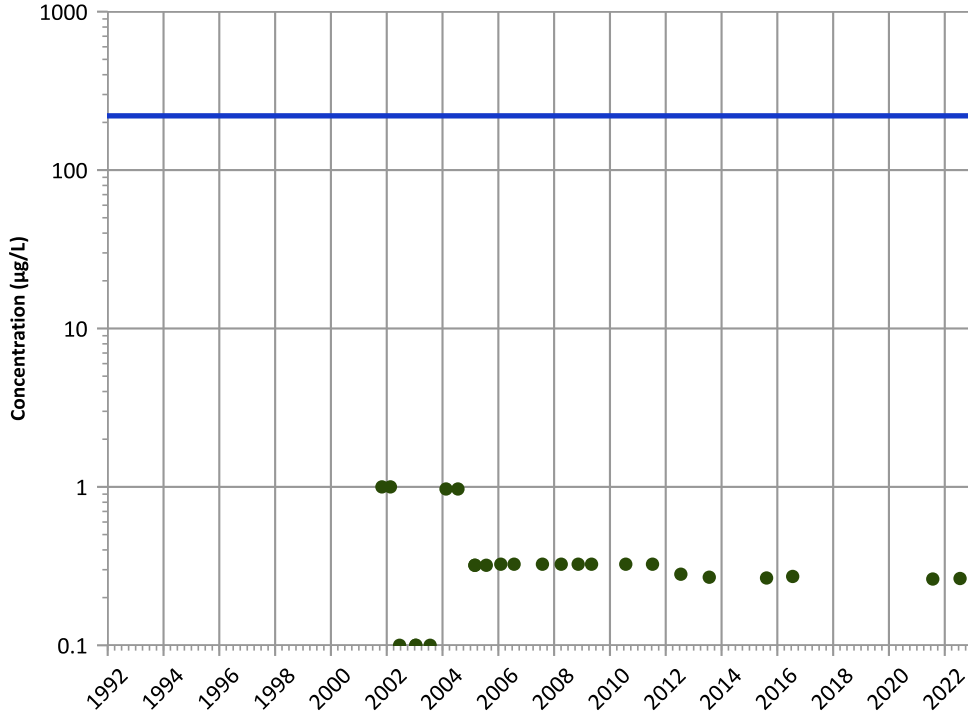
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

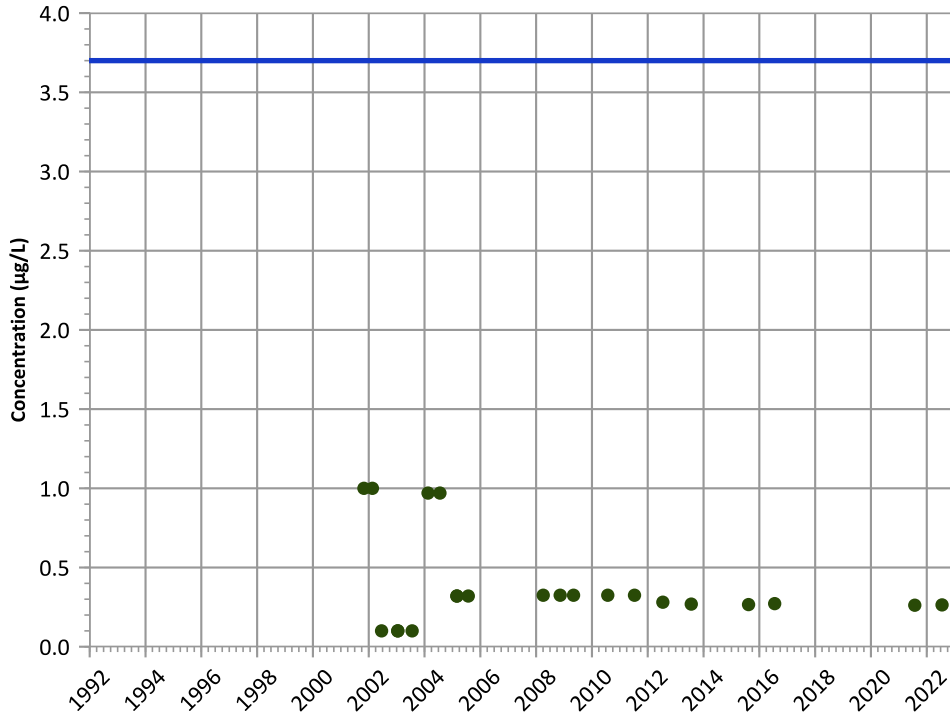
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

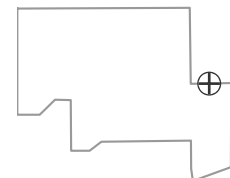
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

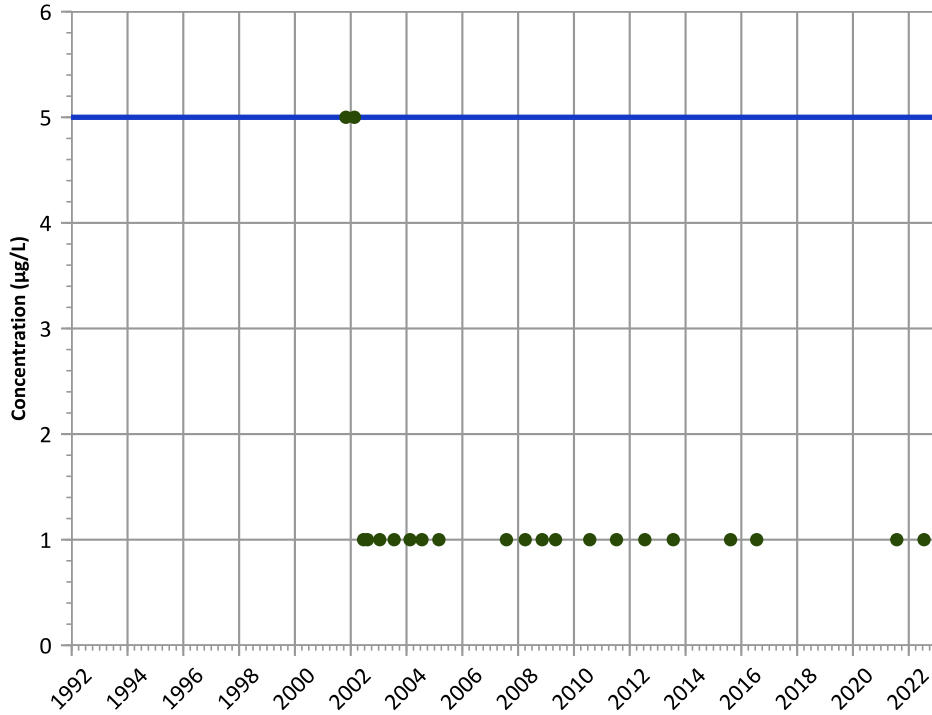
Well Location





PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

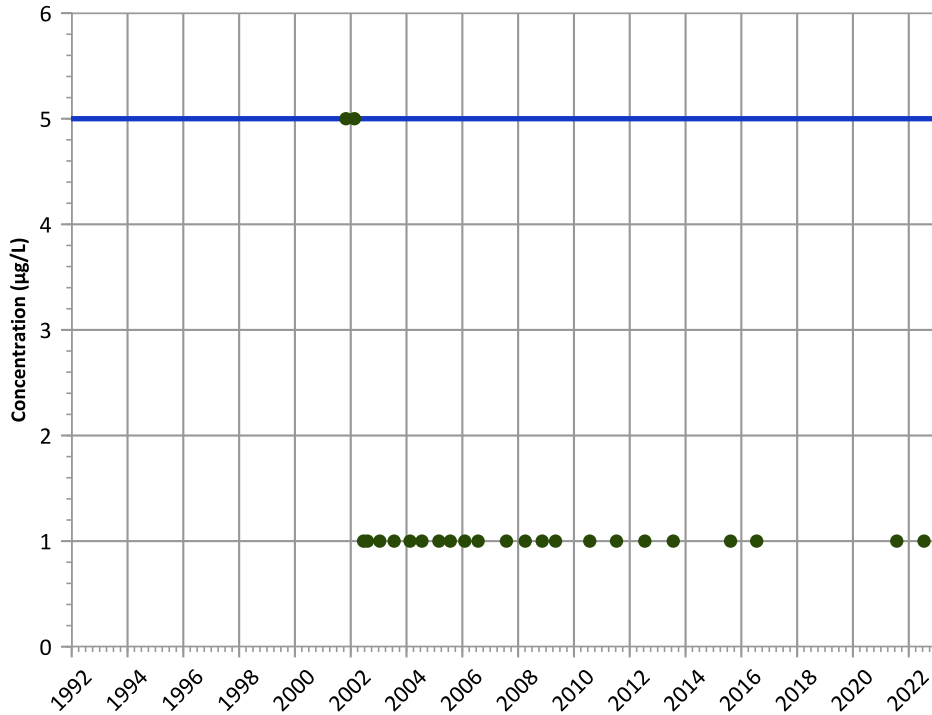
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

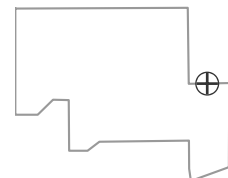
2020 - 2022 Data:

All Non-Detect

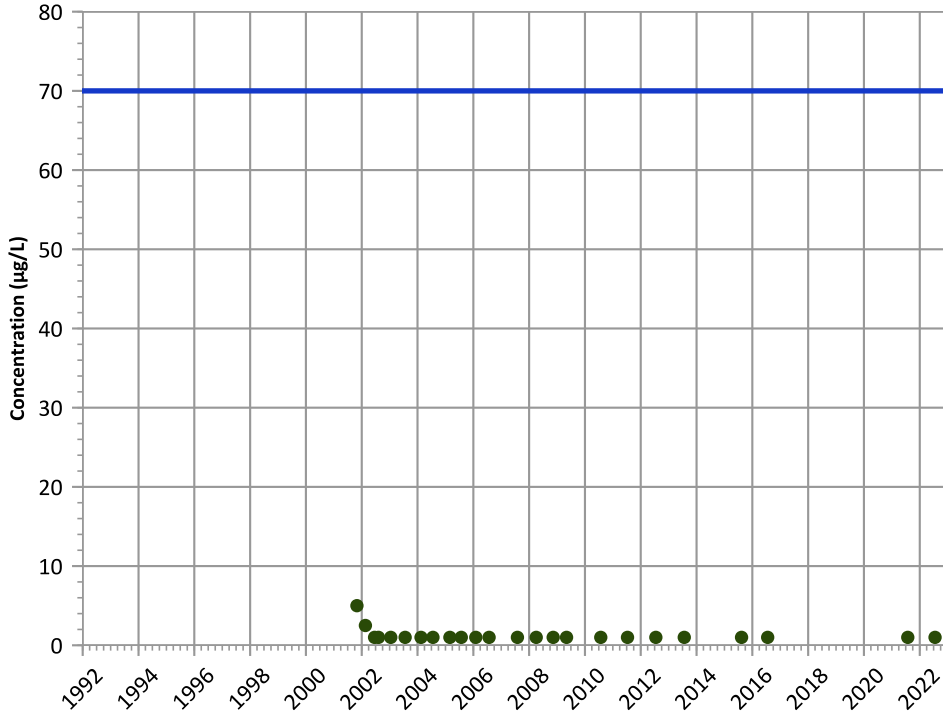
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

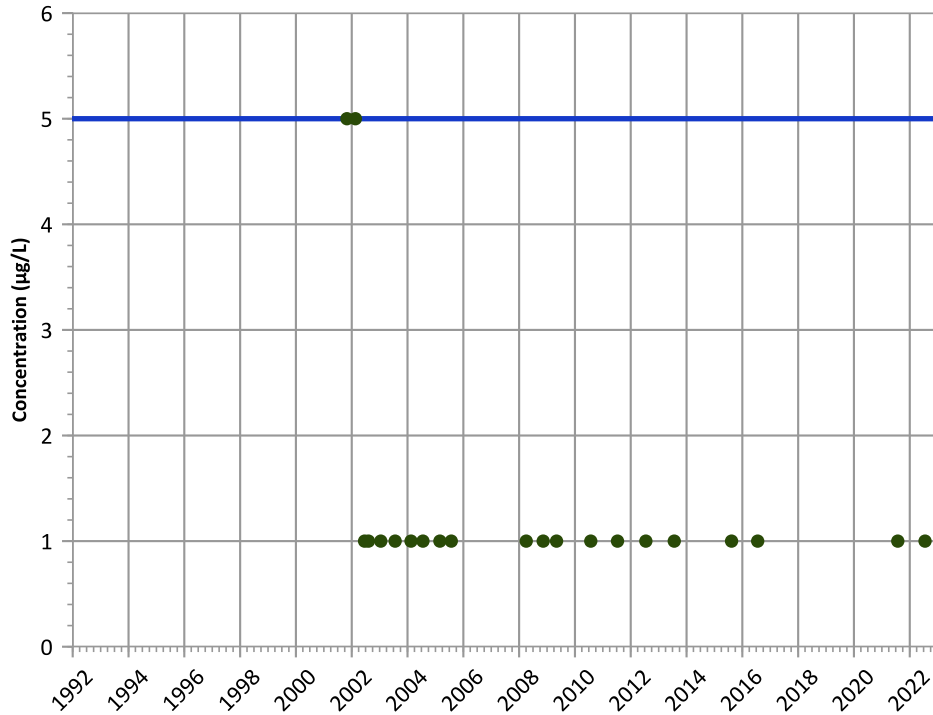
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

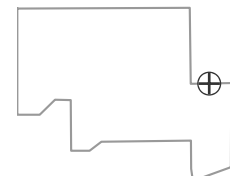
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

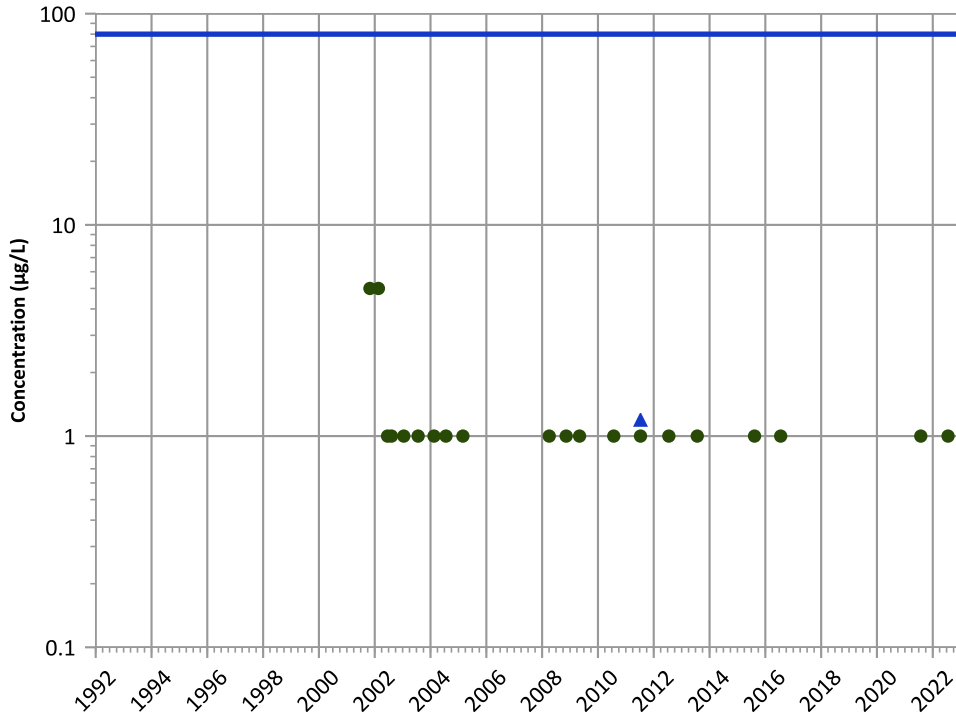
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

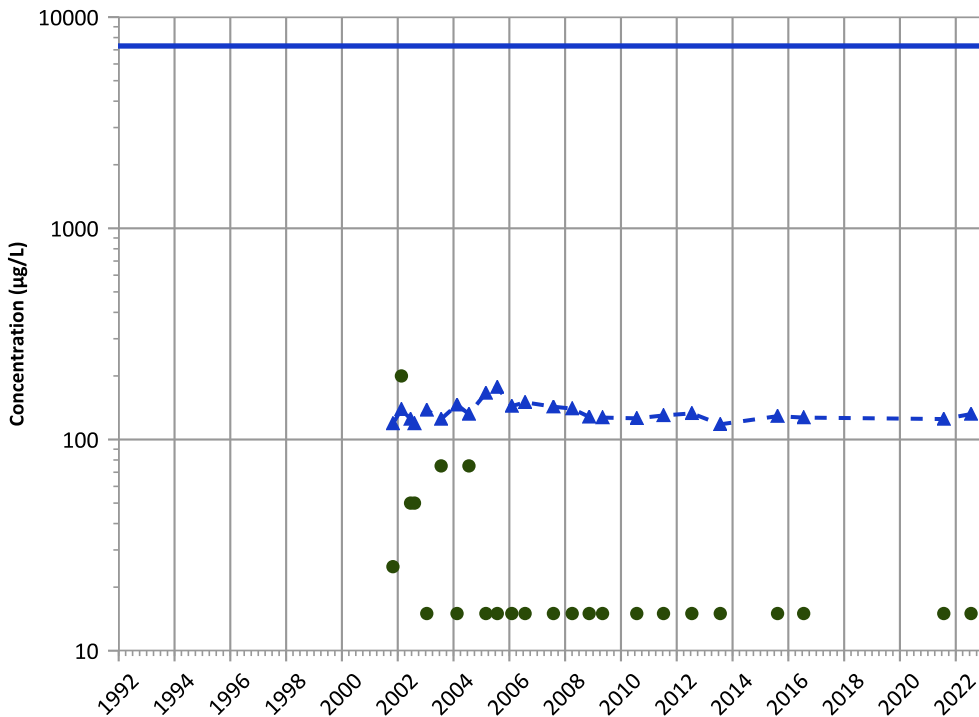


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**

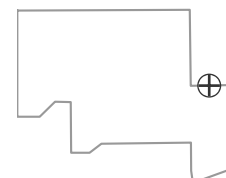


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**Well Location**

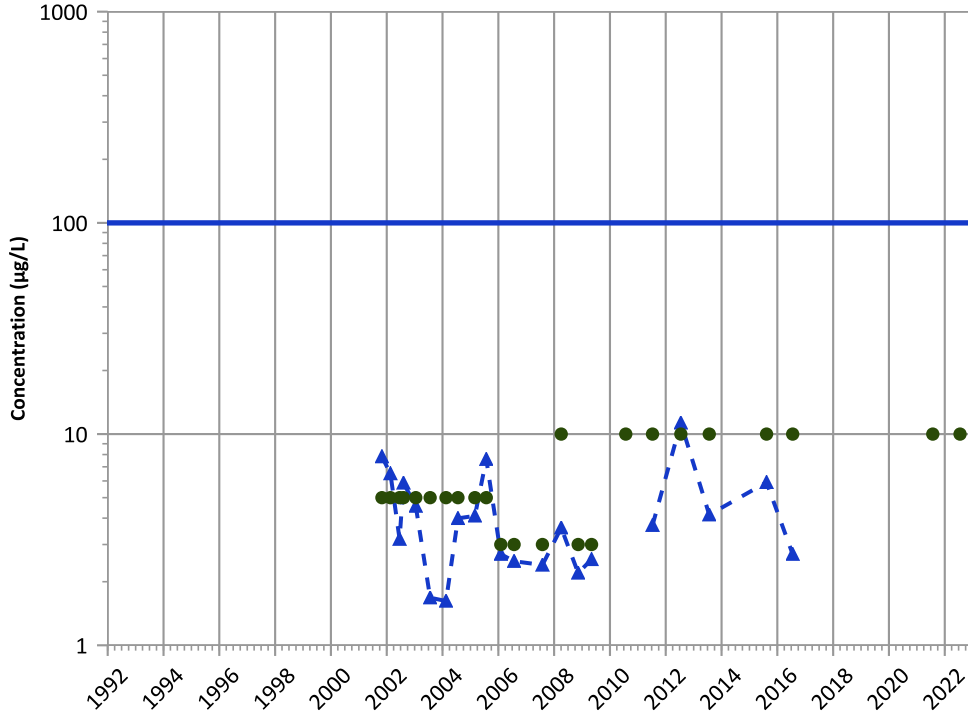


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

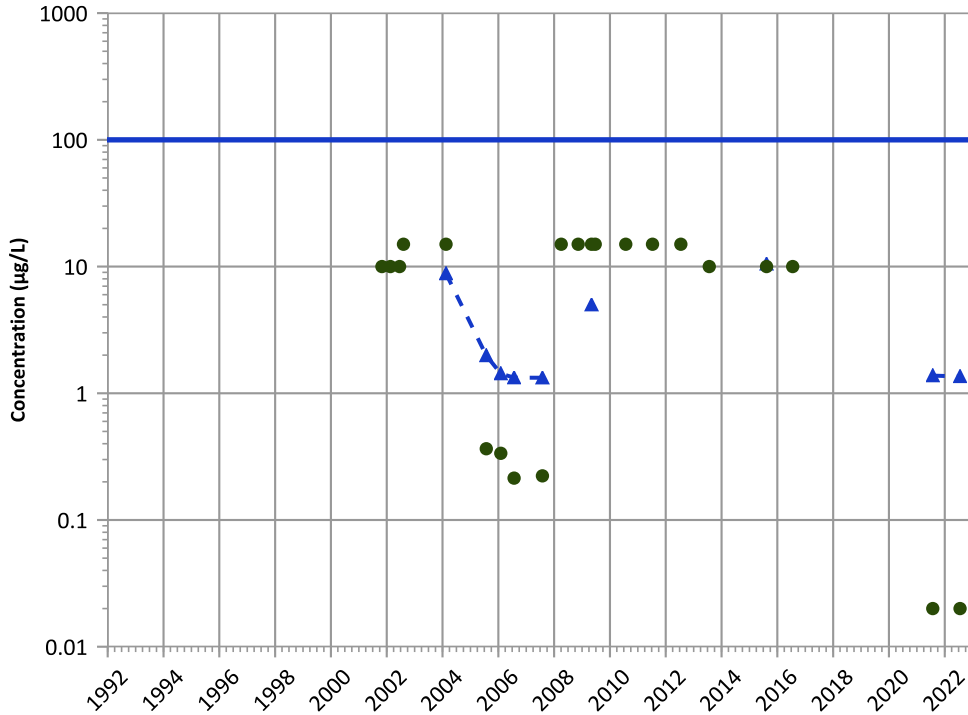


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Well Location

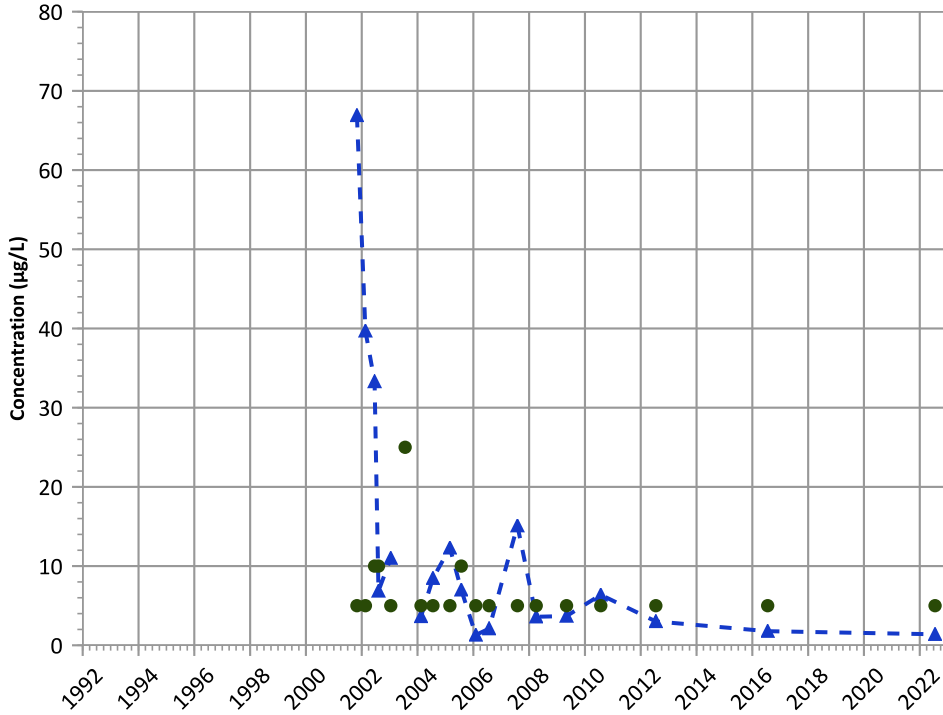


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

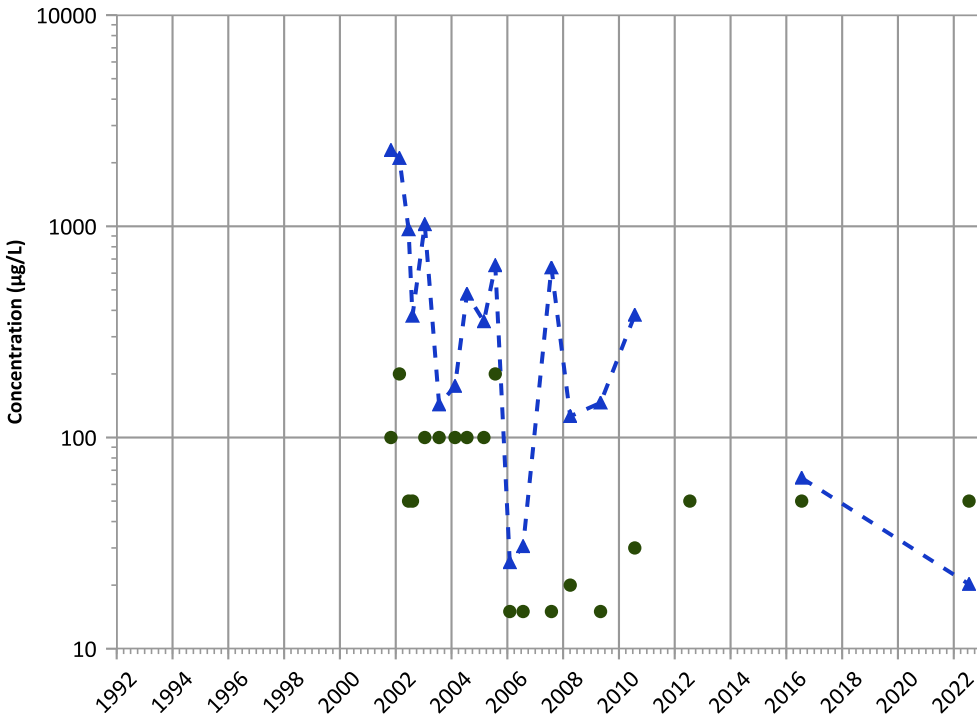
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

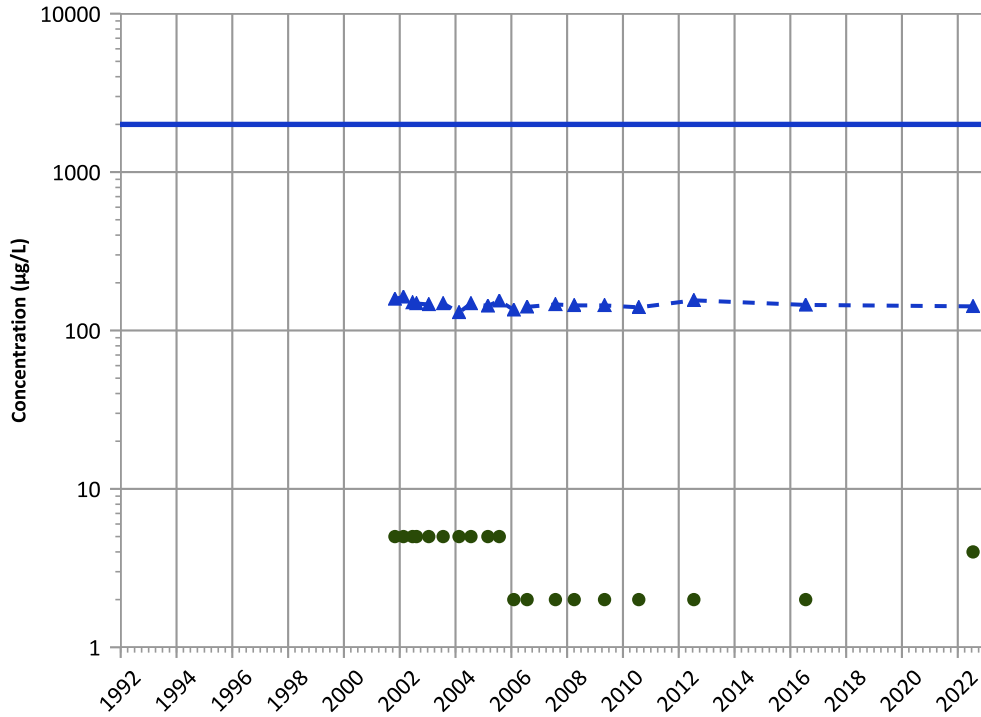
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

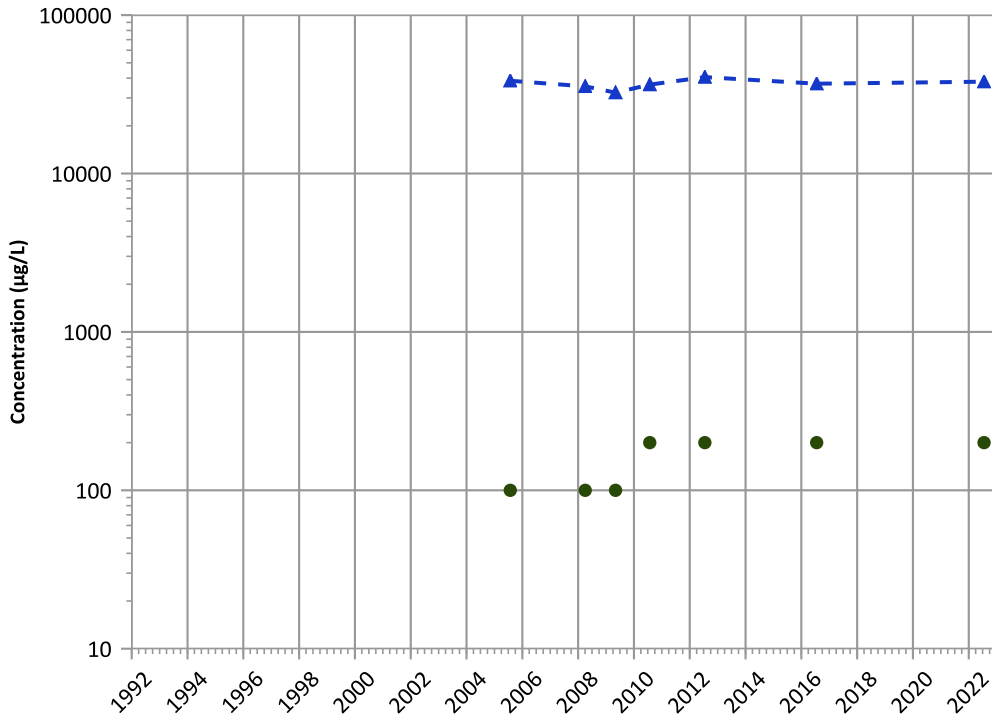


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Calcium Trend



Concentration Trend

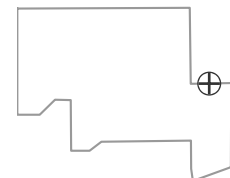
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

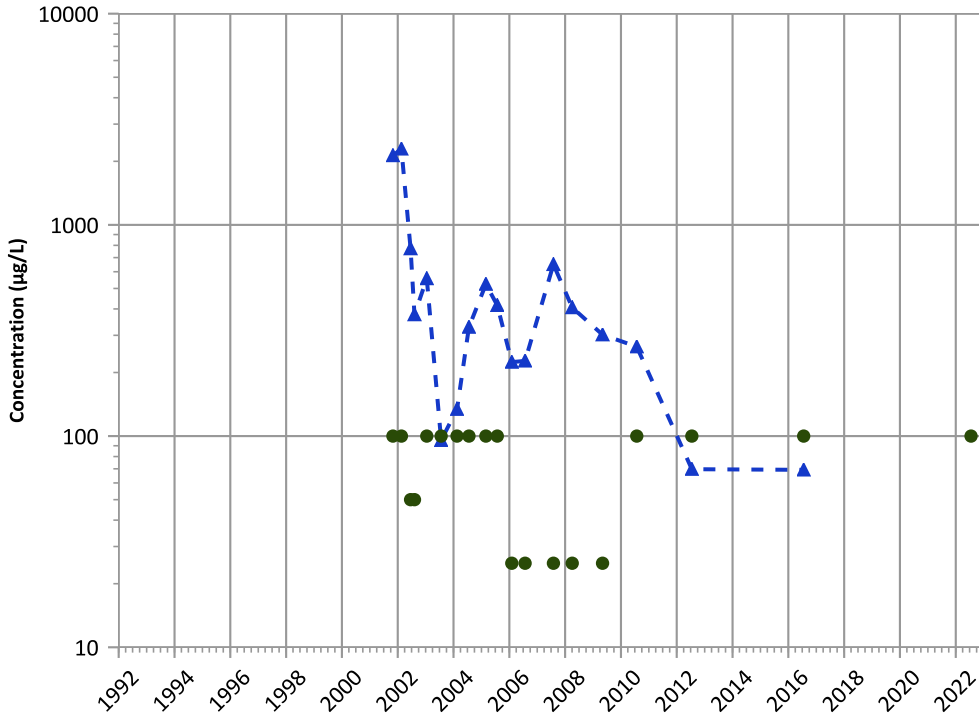
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

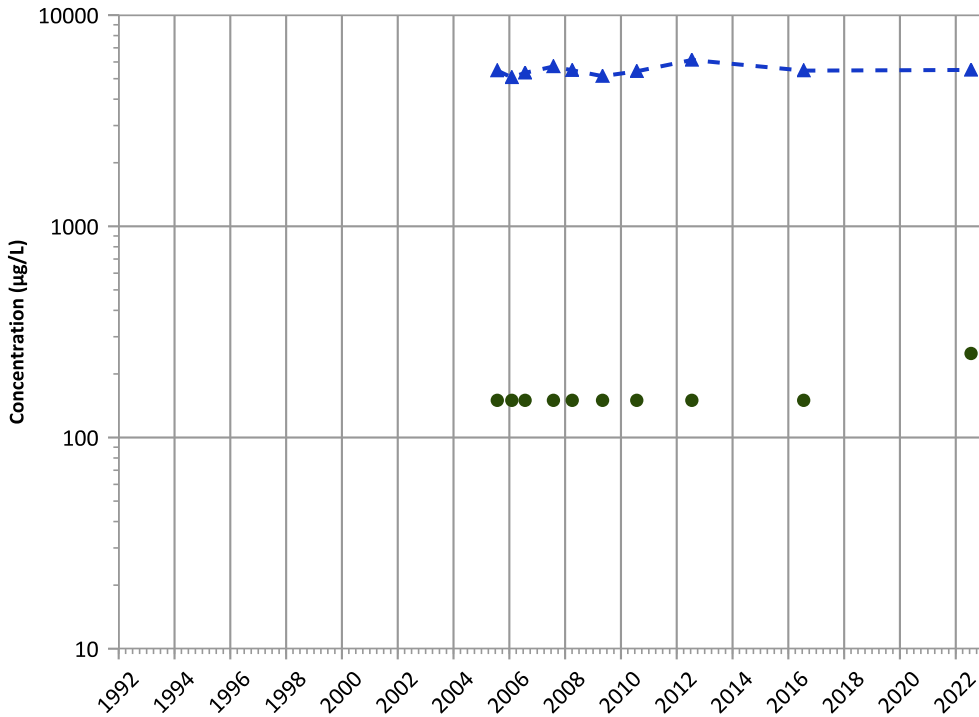


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

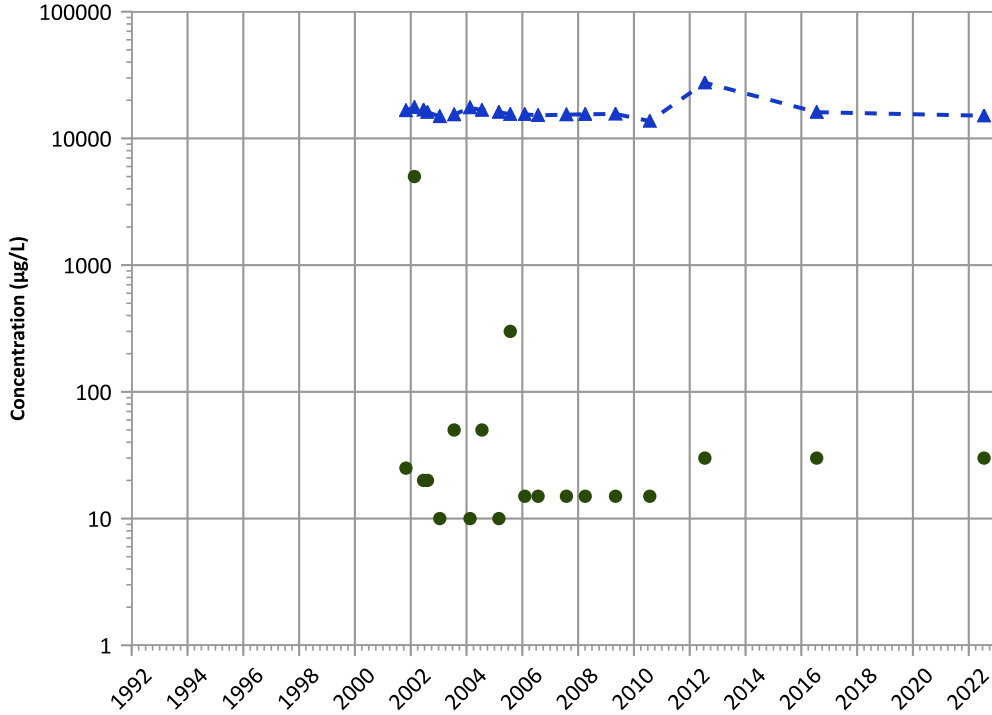
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1069 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

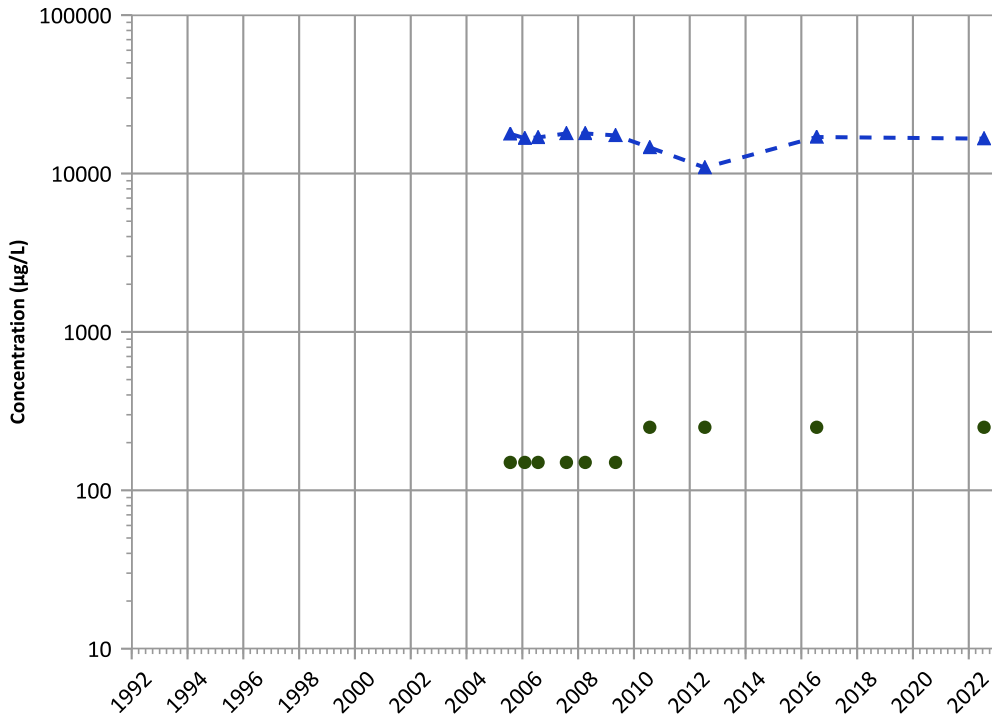
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

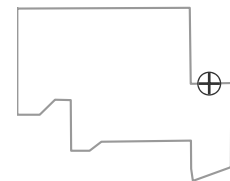
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Well Location

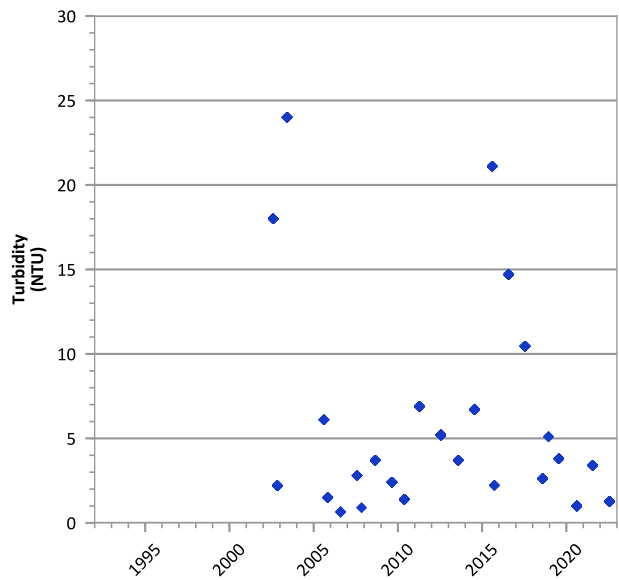
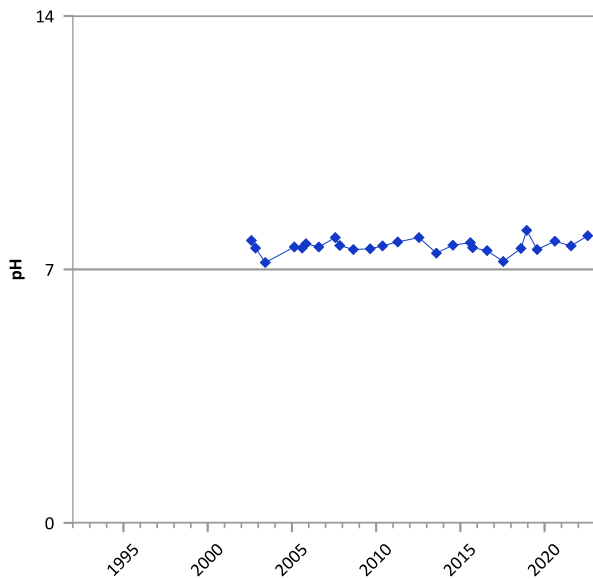
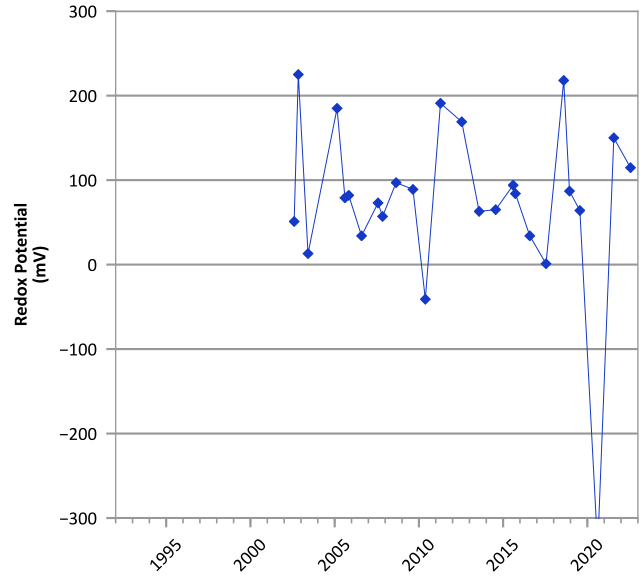
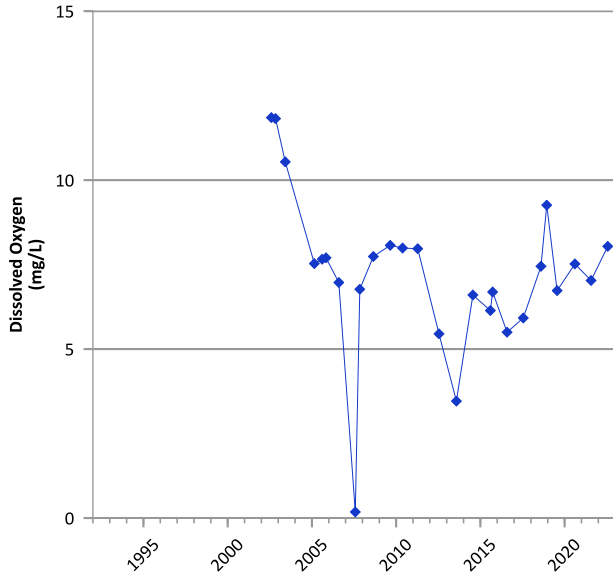


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/30/2001 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

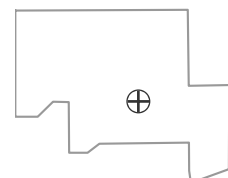


**PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



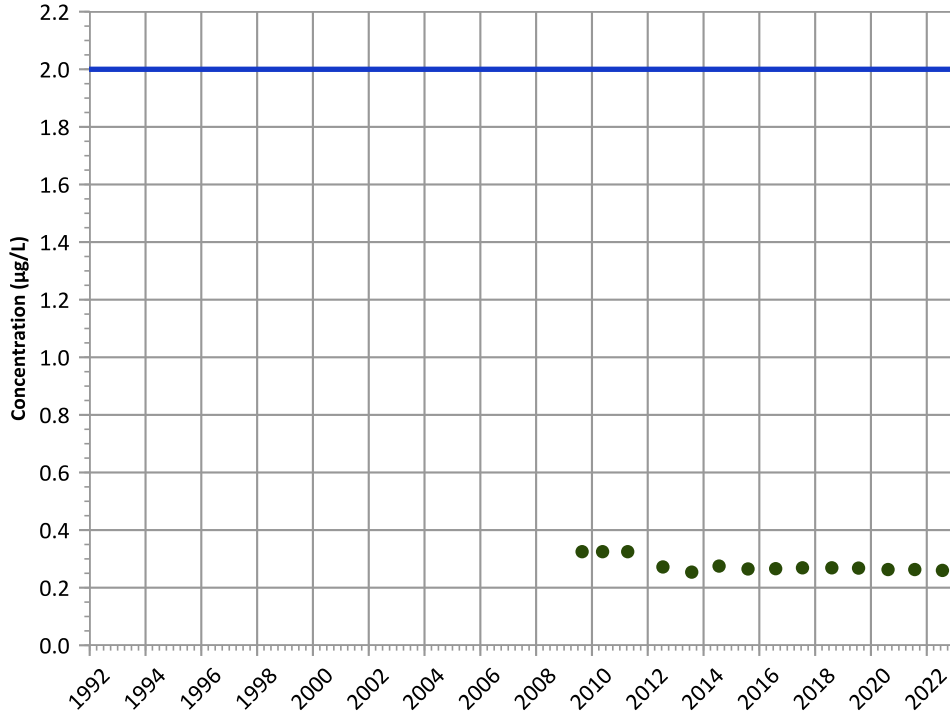
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/20/2002 to 07/25/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

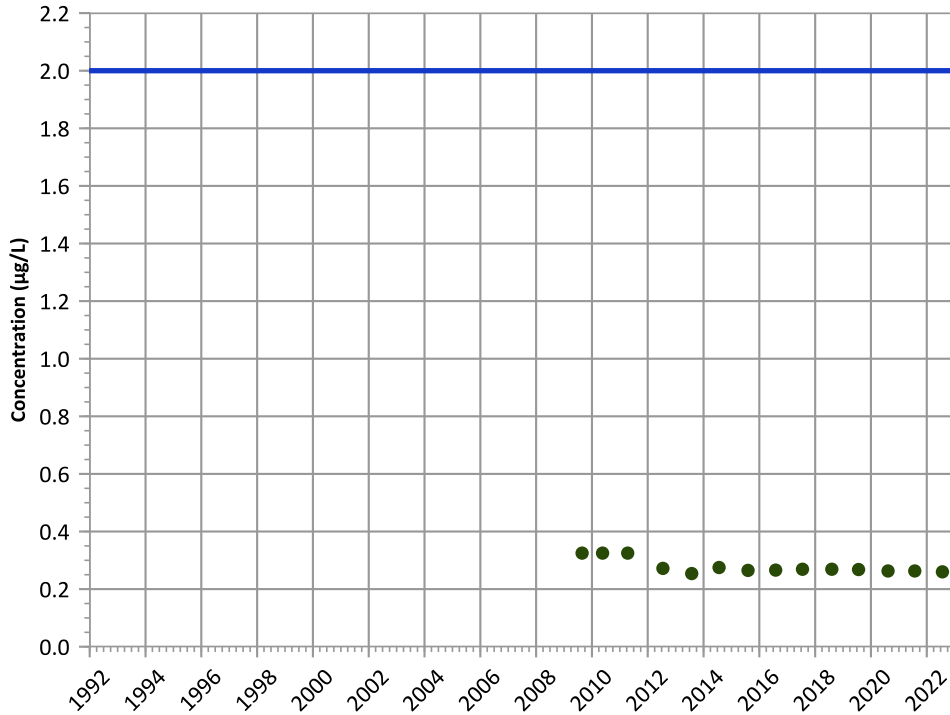


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

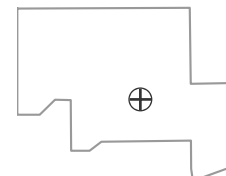


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

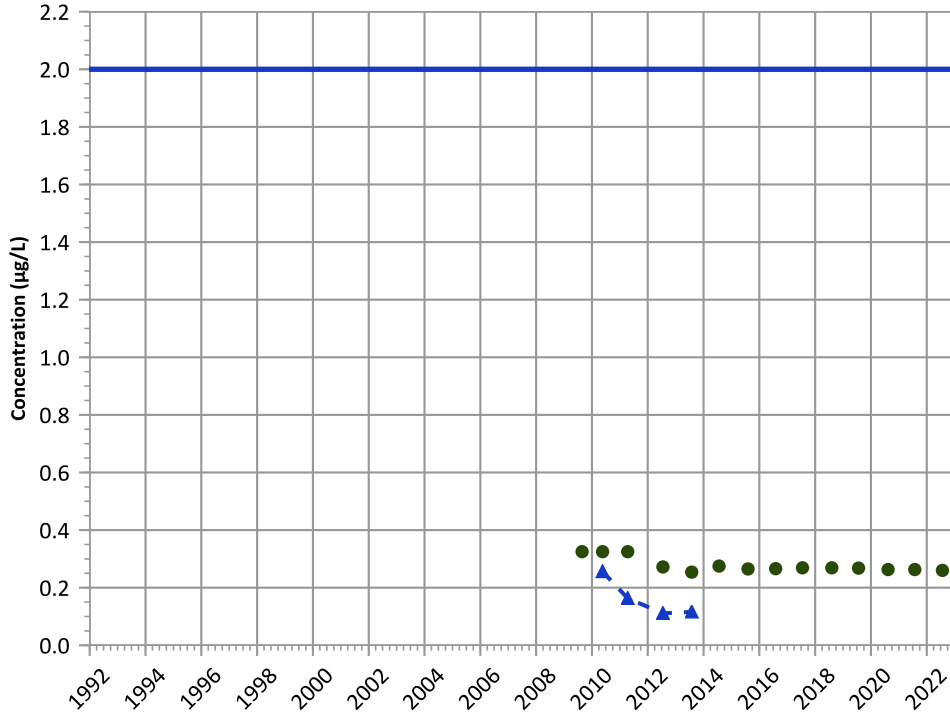


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

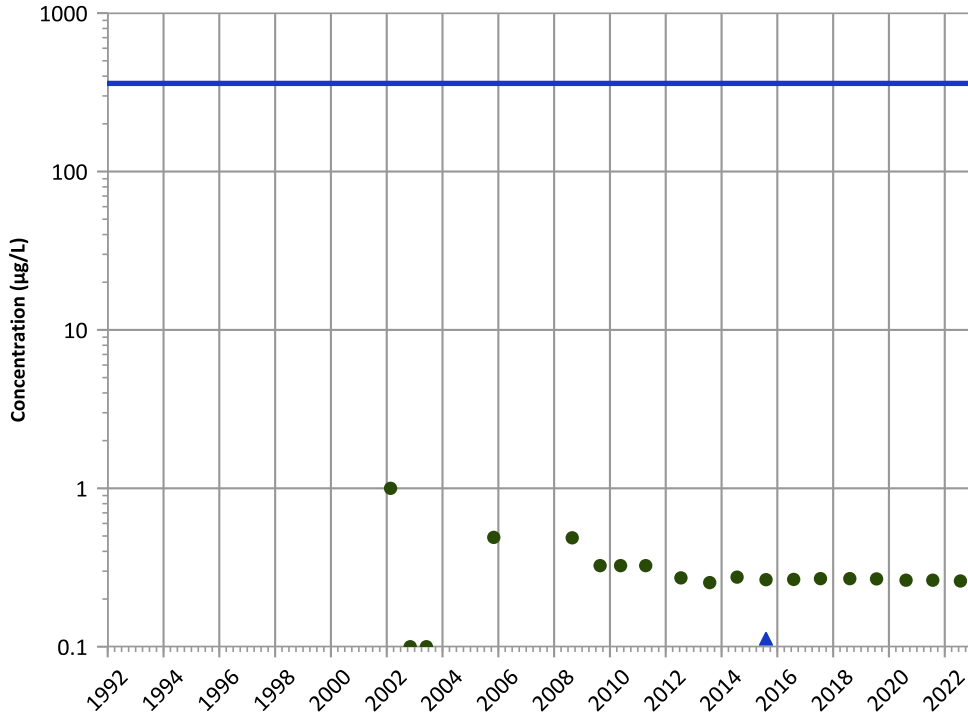


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

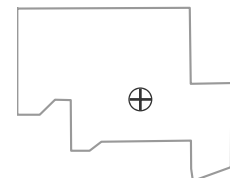
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

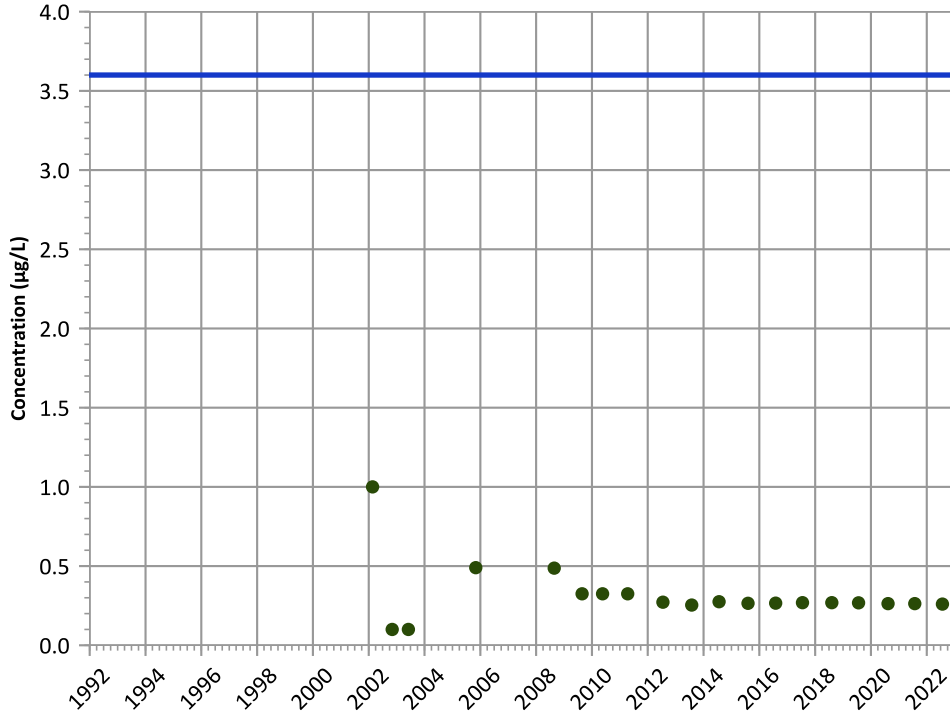
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

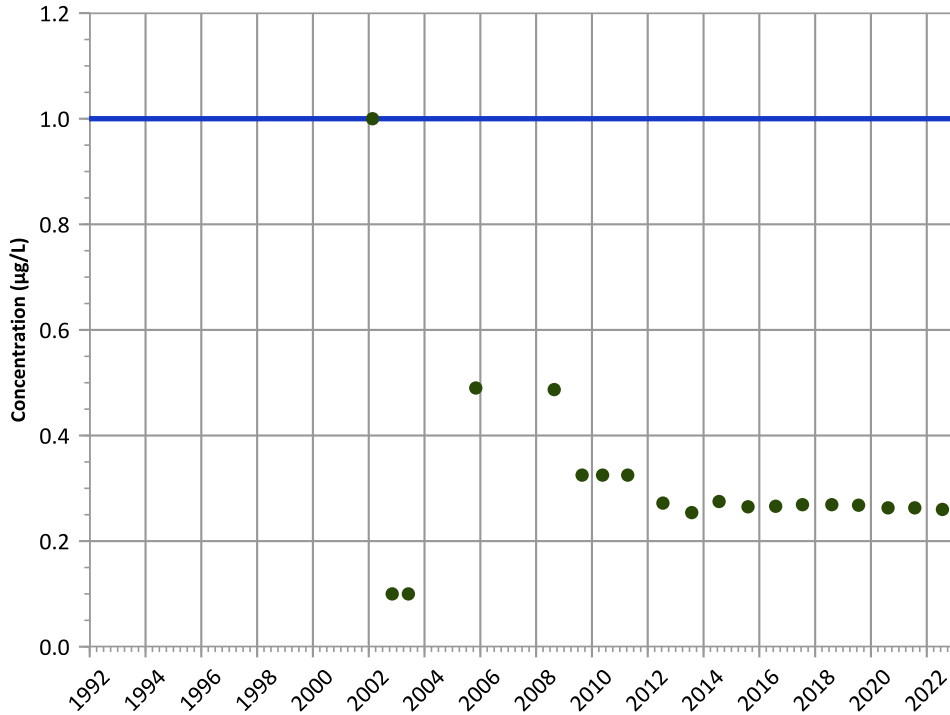
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

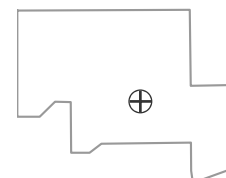
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

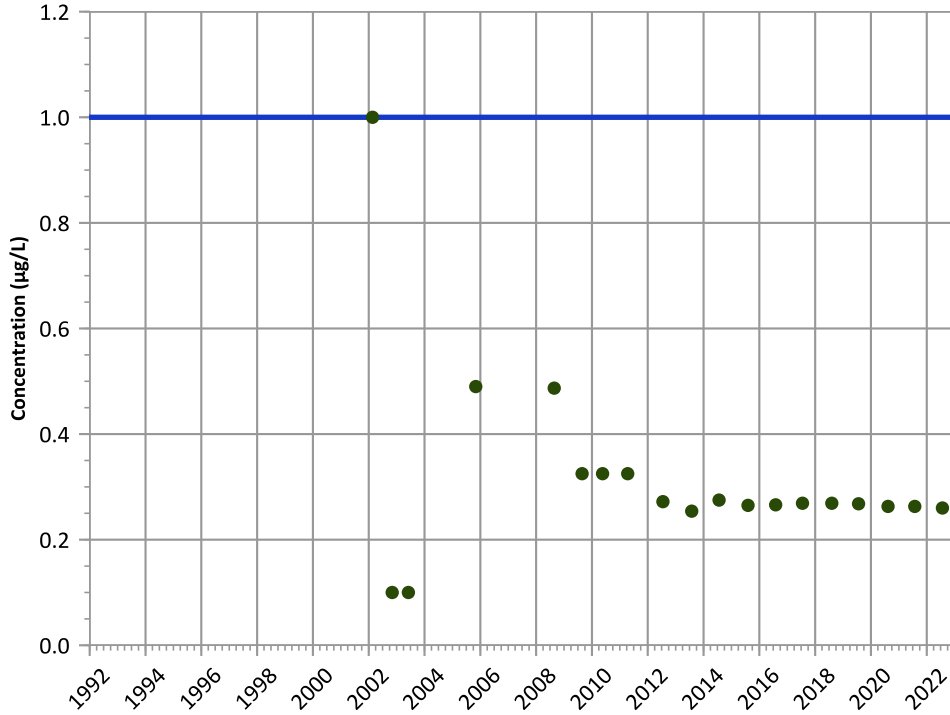


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

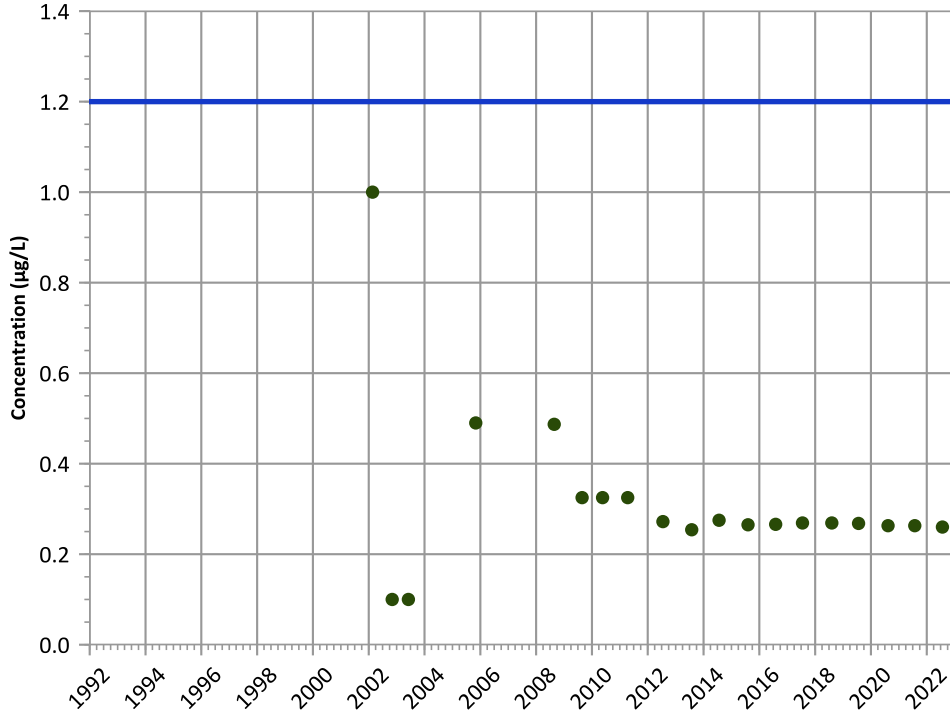
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

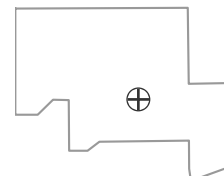
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

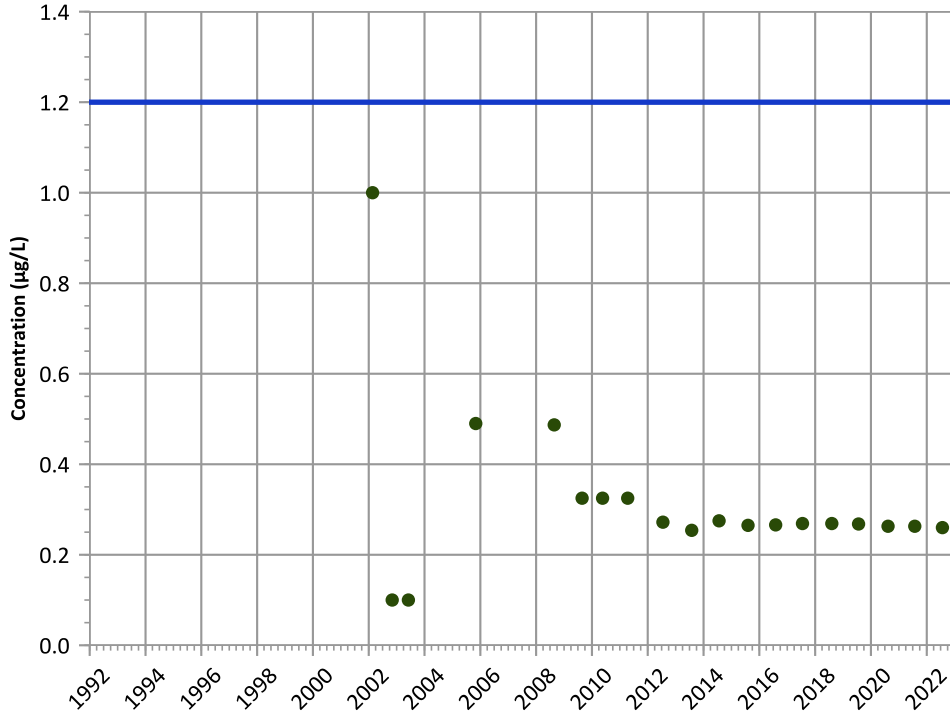
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

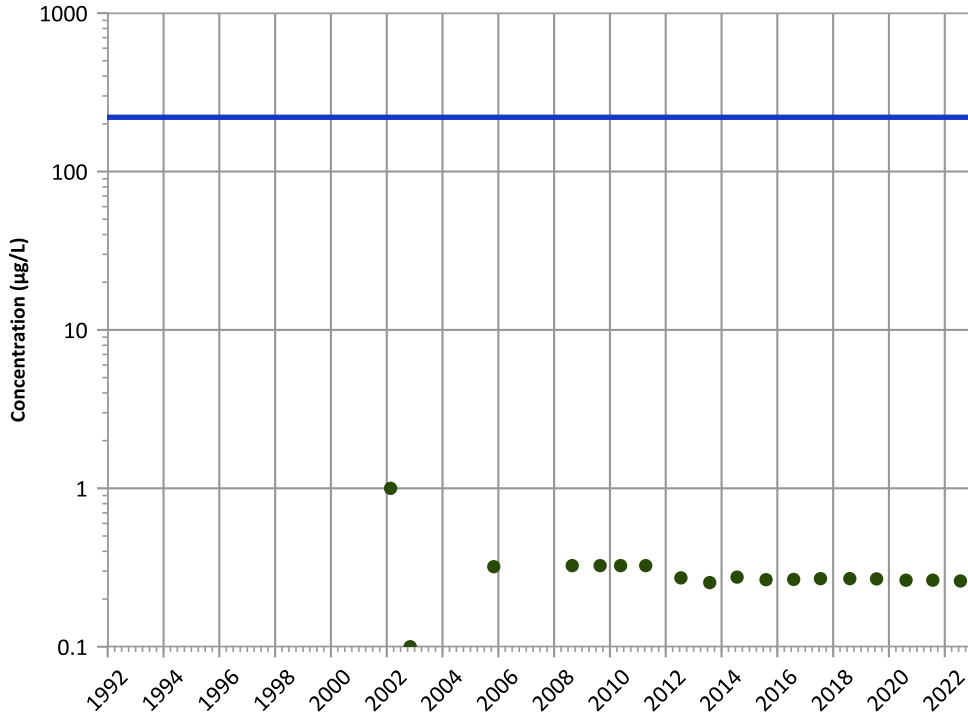
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

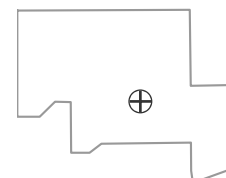
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

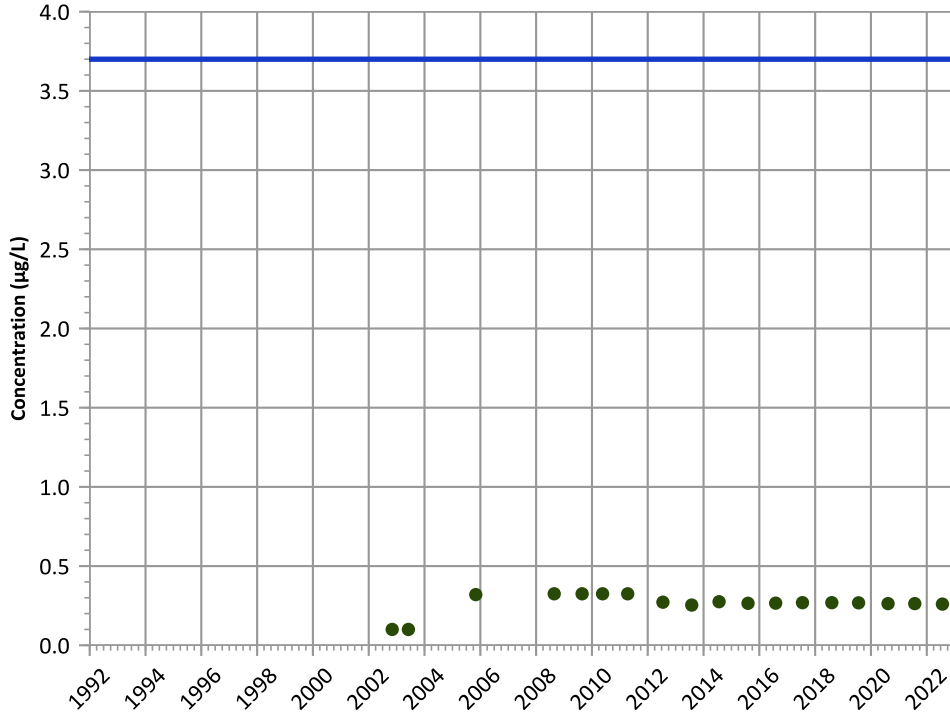
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

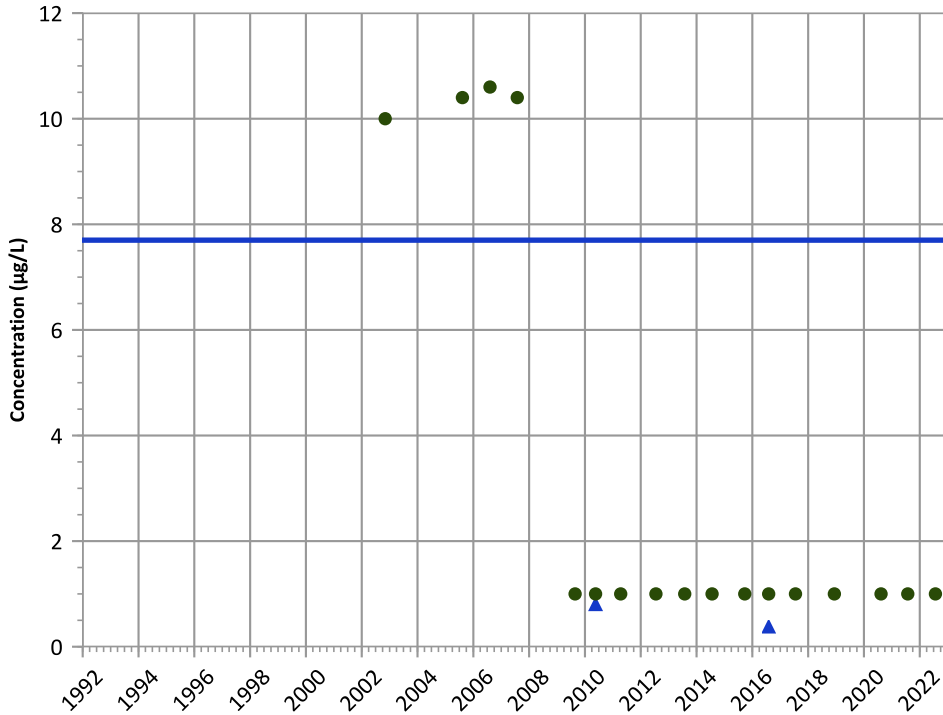


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

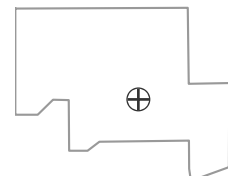
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

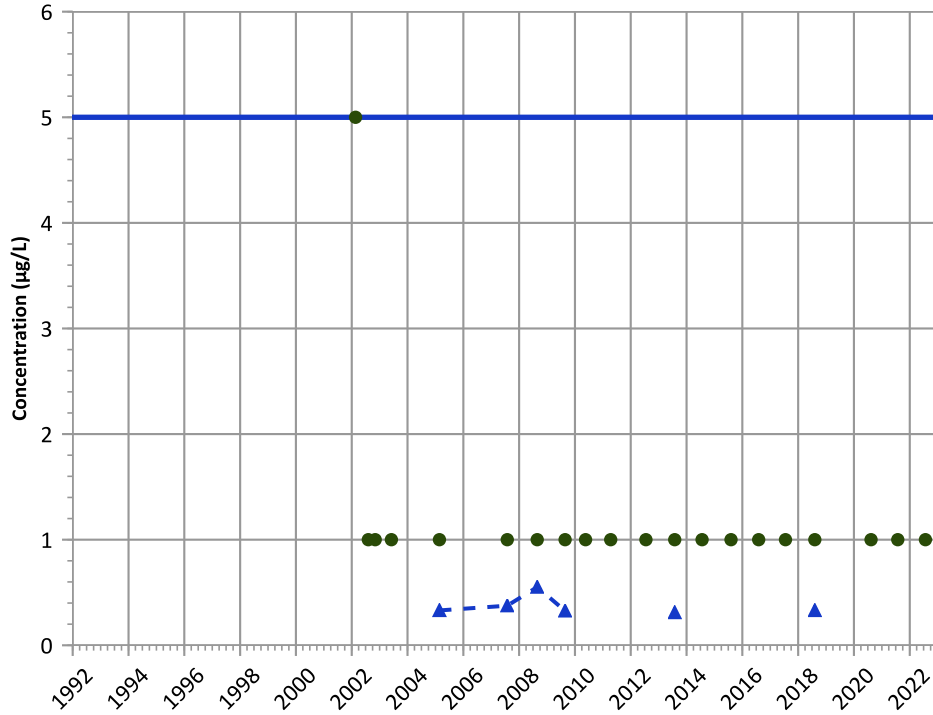
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend

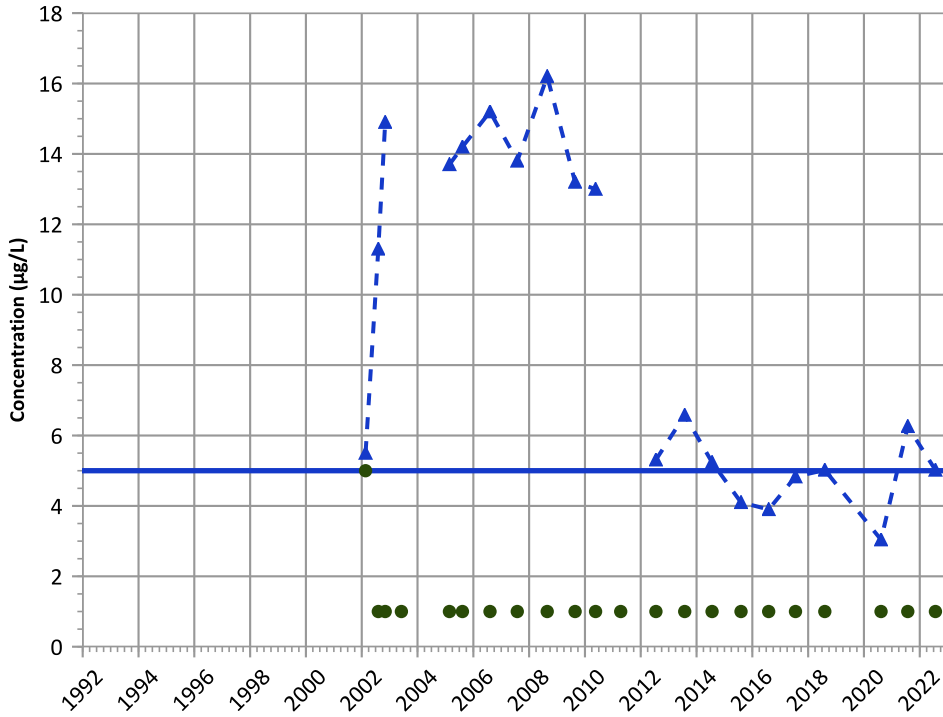


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Probably Decreasing

Trichloroethene Trend

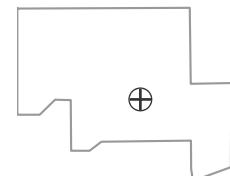


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

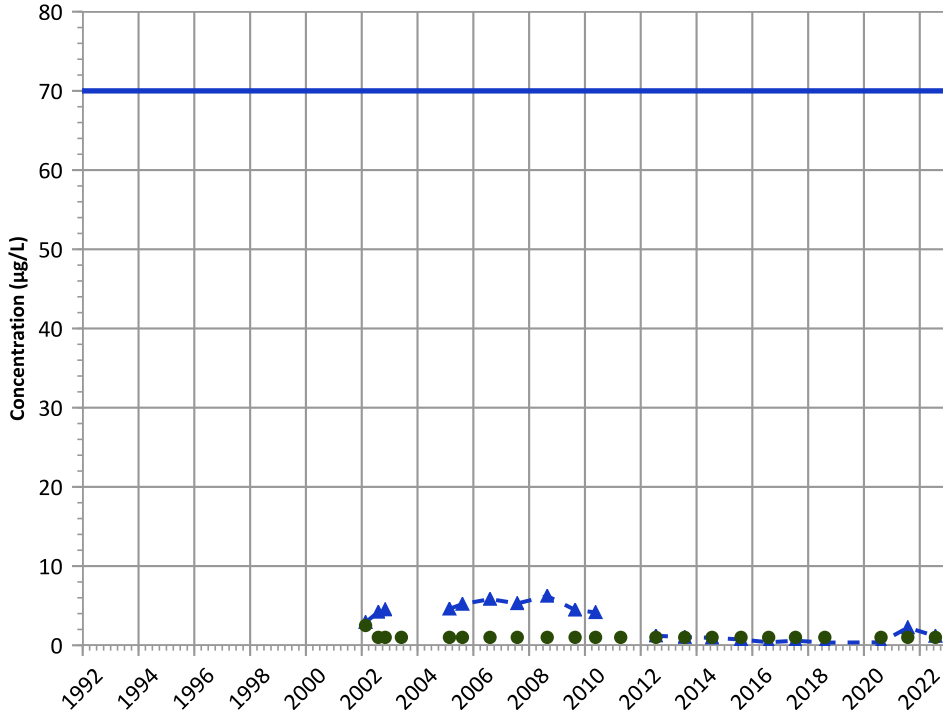


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1077A in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 cis-1,2-Dichloroethene Trend

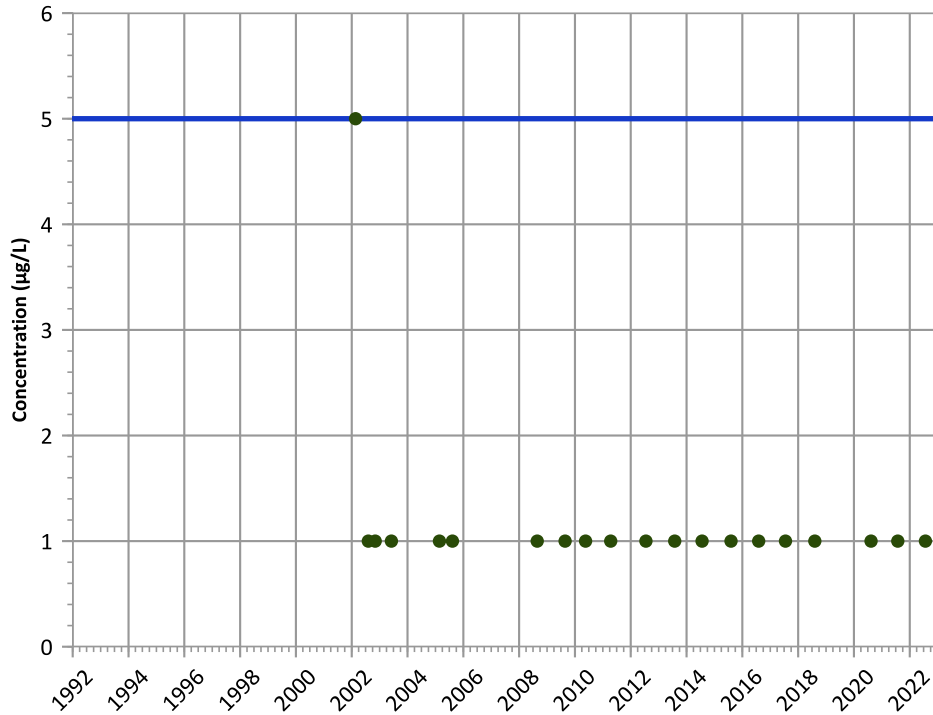


Concentration Trend

MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

1,2-Dichloroethane Trend



Concentration Trend

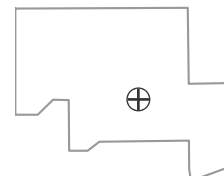
MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/20/2002 to 07/25/2022  
 Analysis Date: 04/27/2023

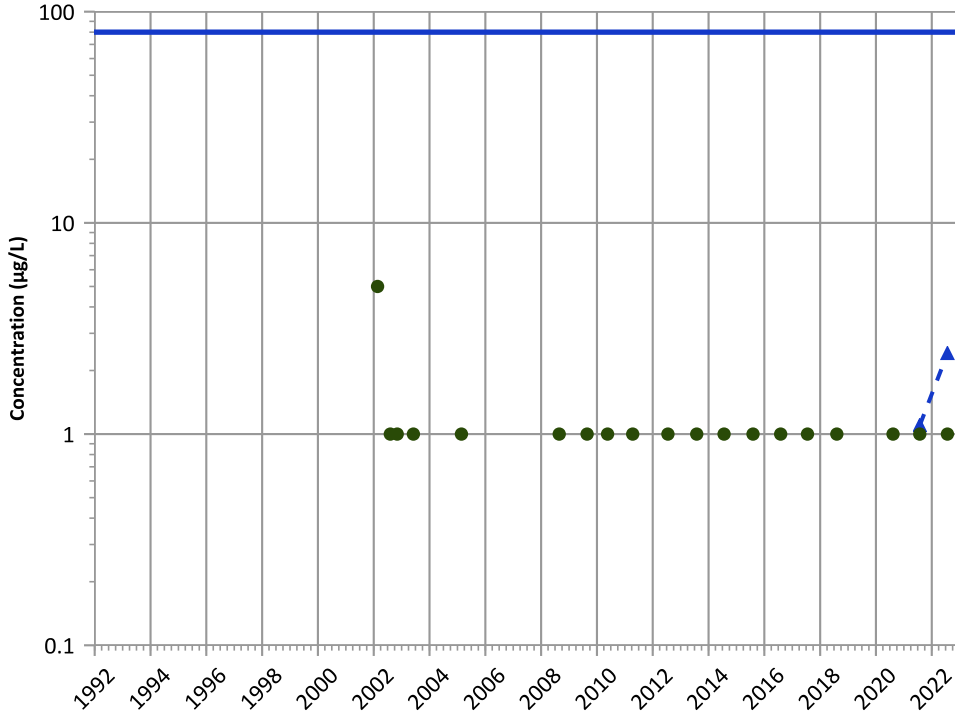
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

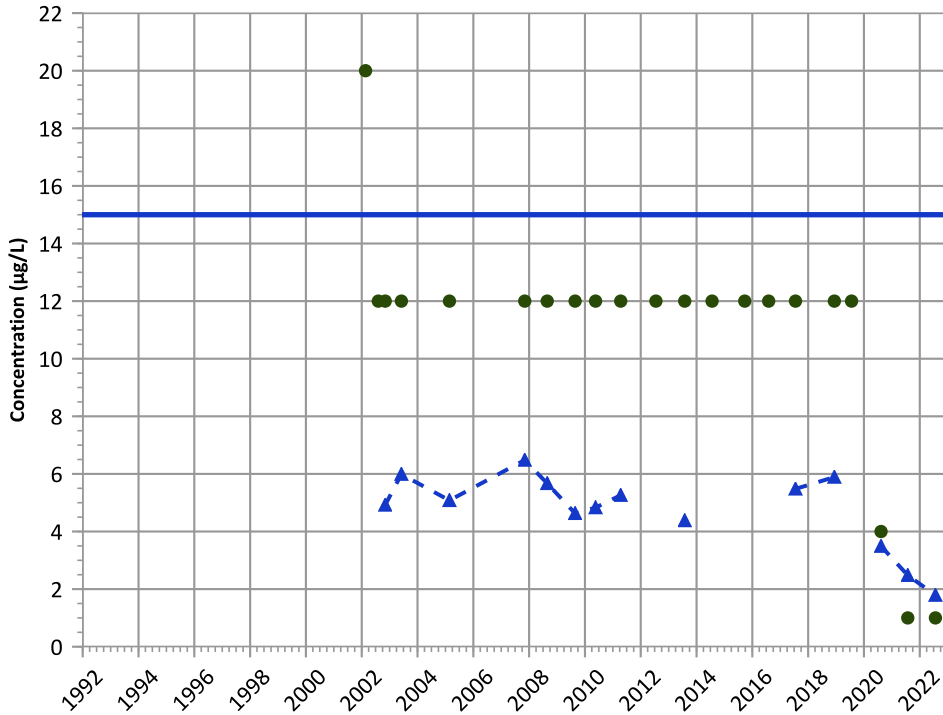


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Perchlorate Trend



Concentration Trend

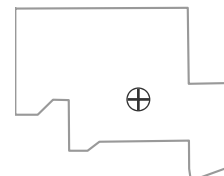
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

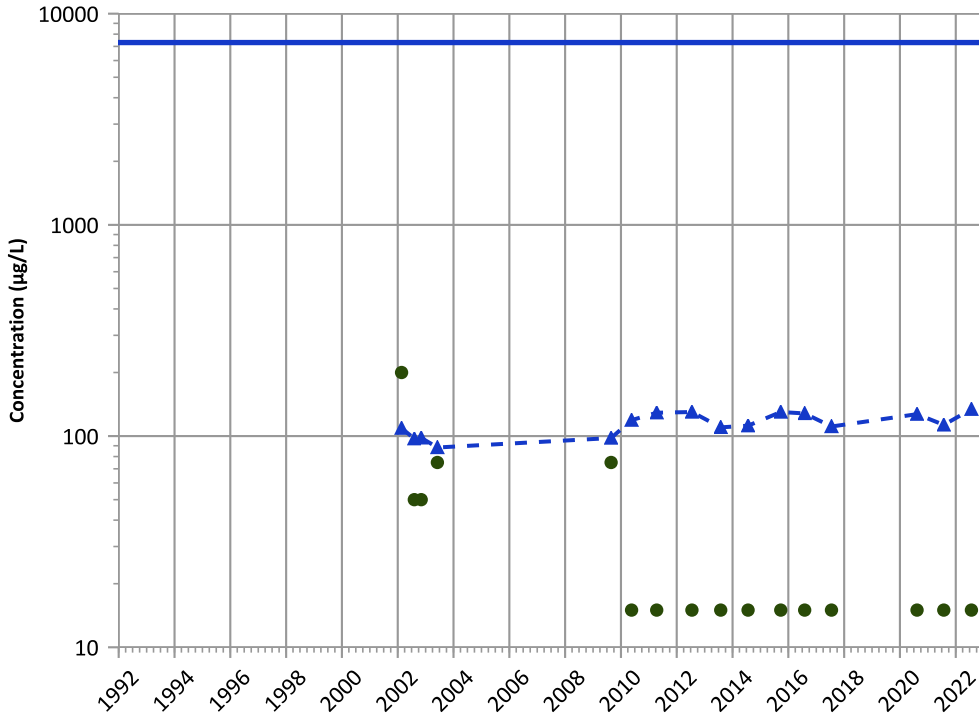
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

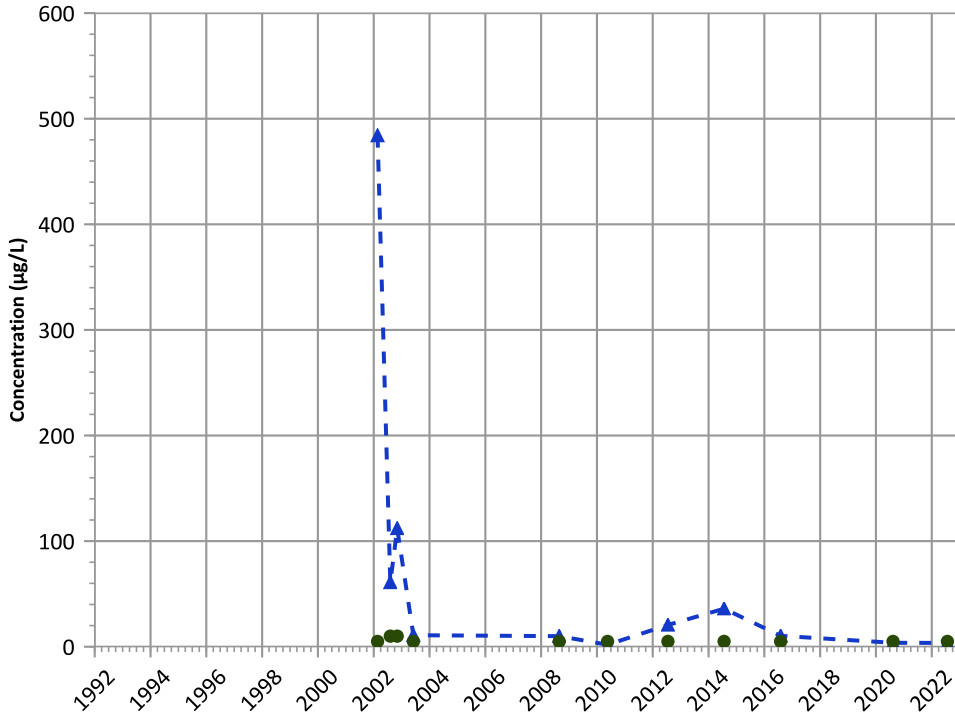
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

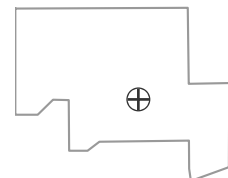
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

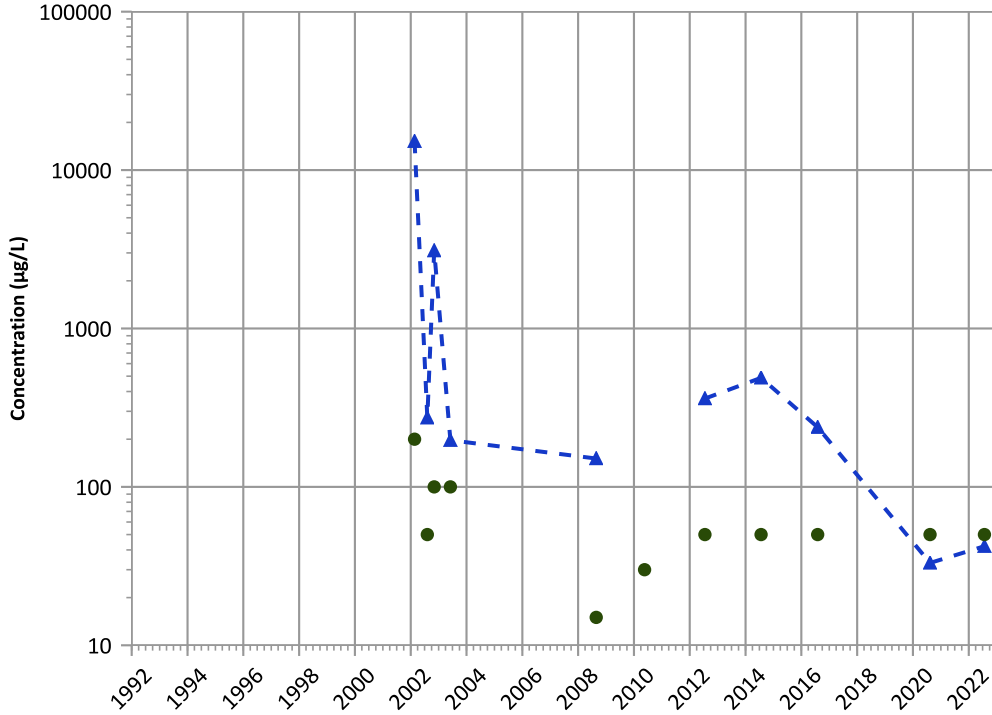
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

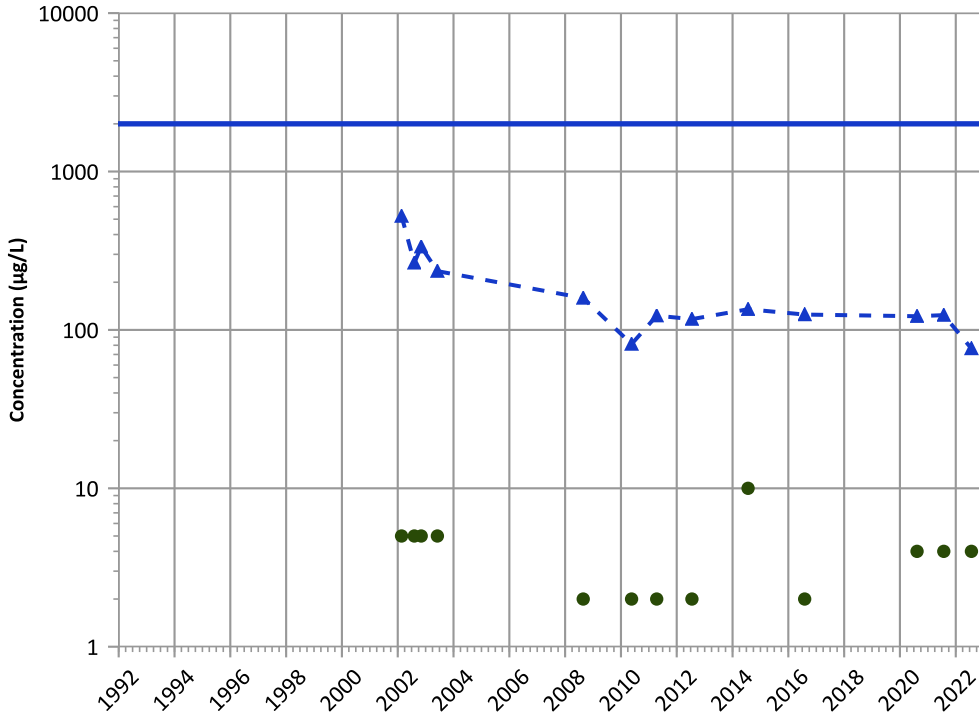
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

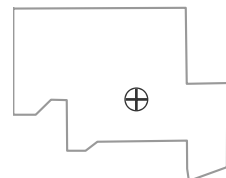
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

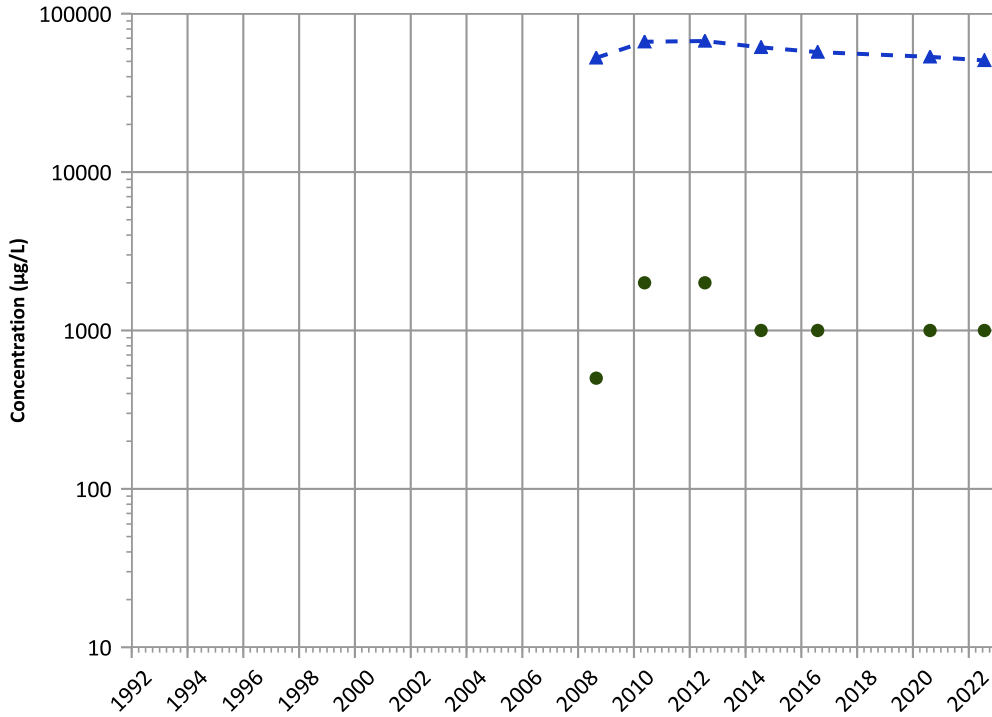
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend

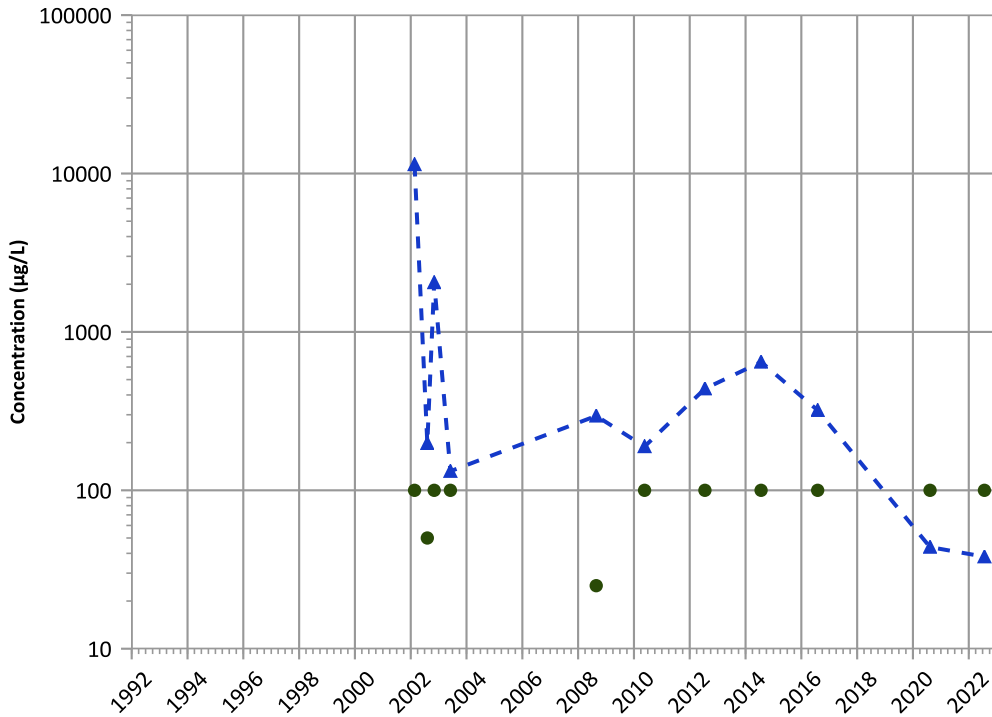


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Iron Trend



Concentration Trend

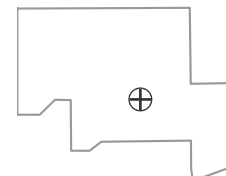
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

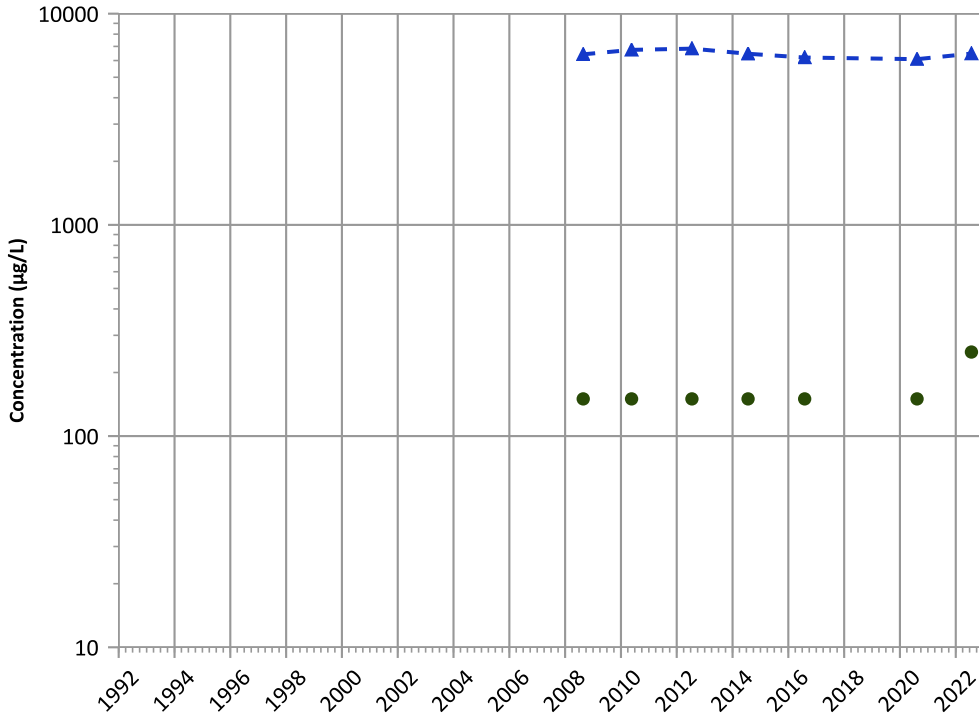
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

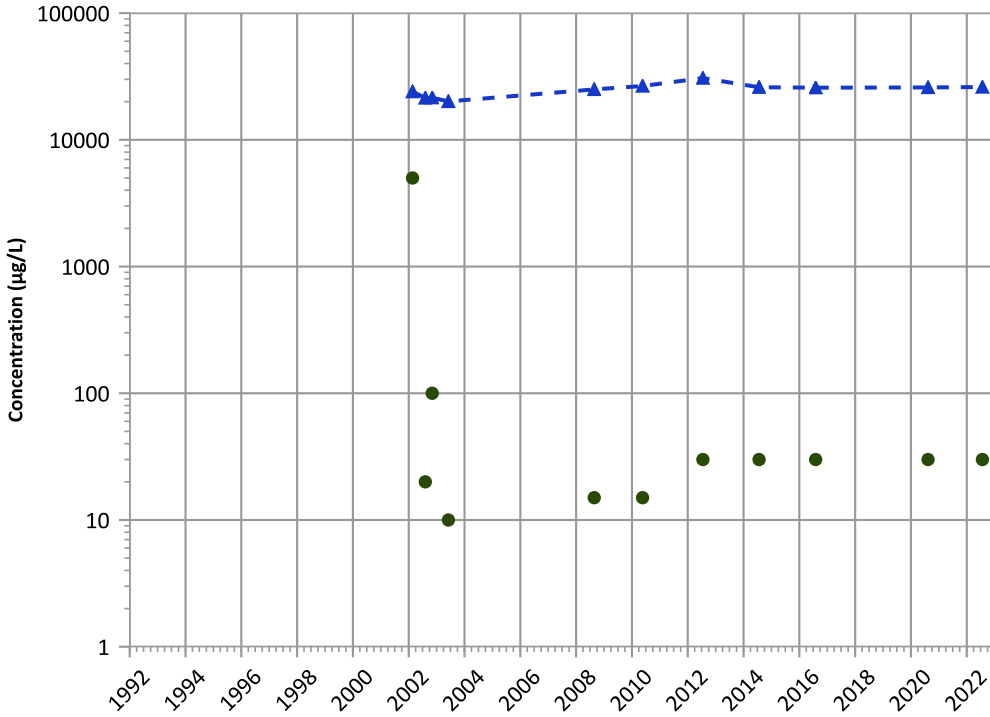


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Magnesium Trend



Concentration Trend

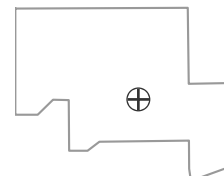
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

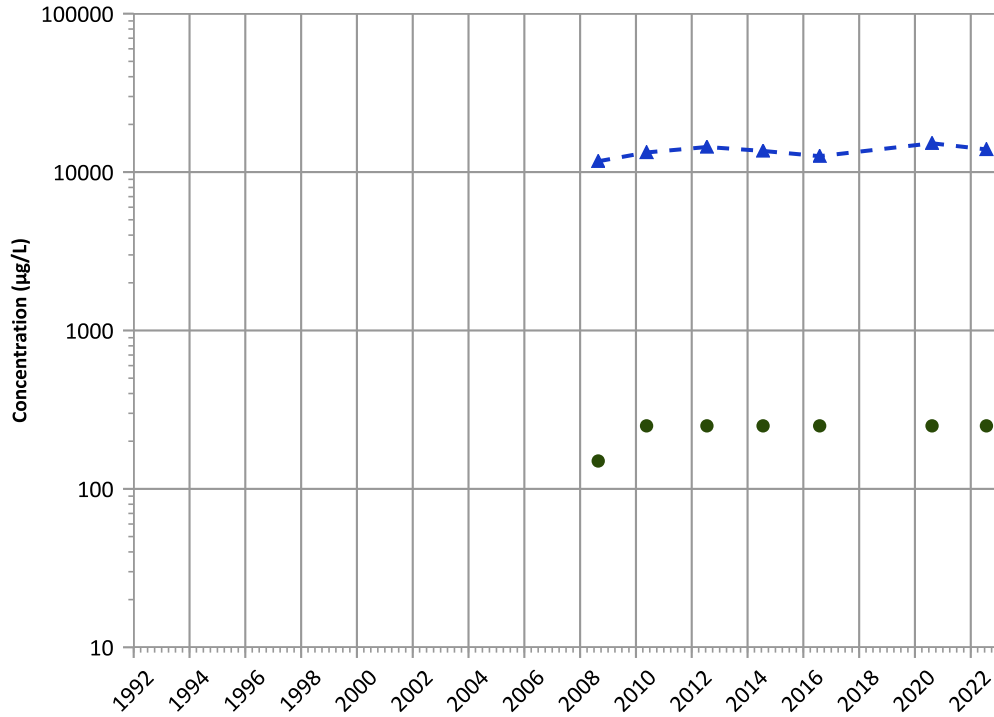
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1077A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

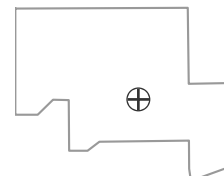
2020 - 2022 Data:

No Trend

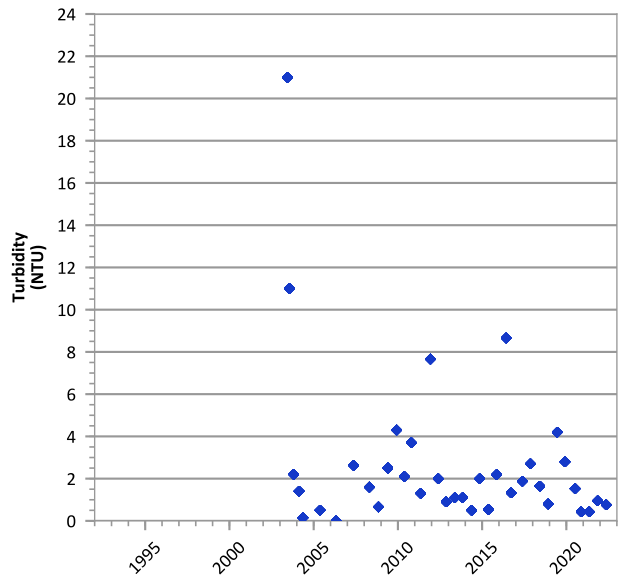
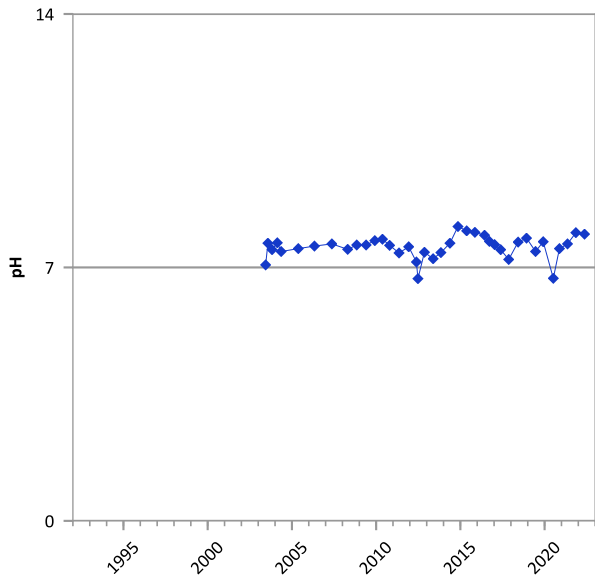
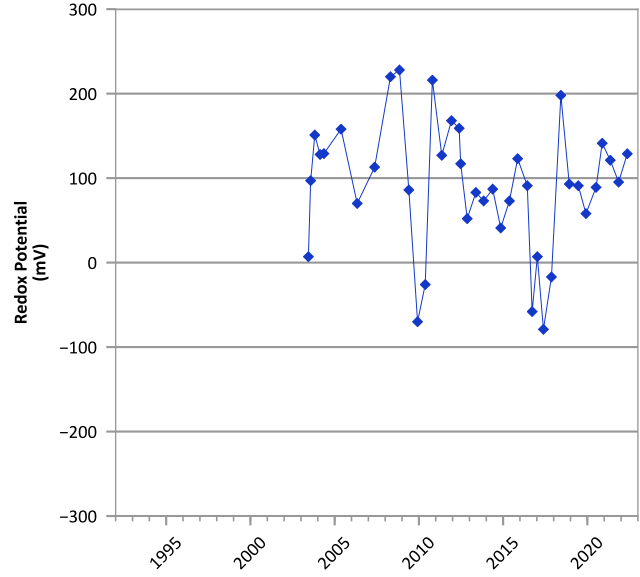
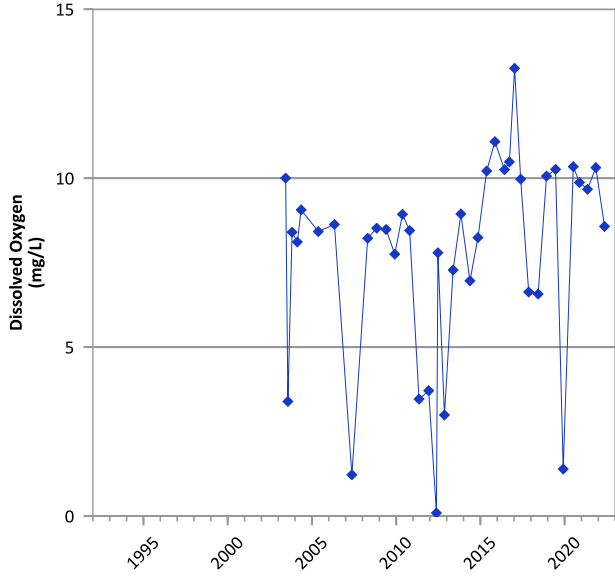
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2002 to 07/25/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

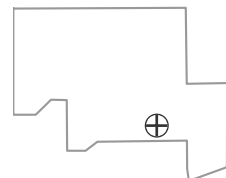


**PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/11/2003 to 05/16/2022  
 Analysis Date: 04/27/2023

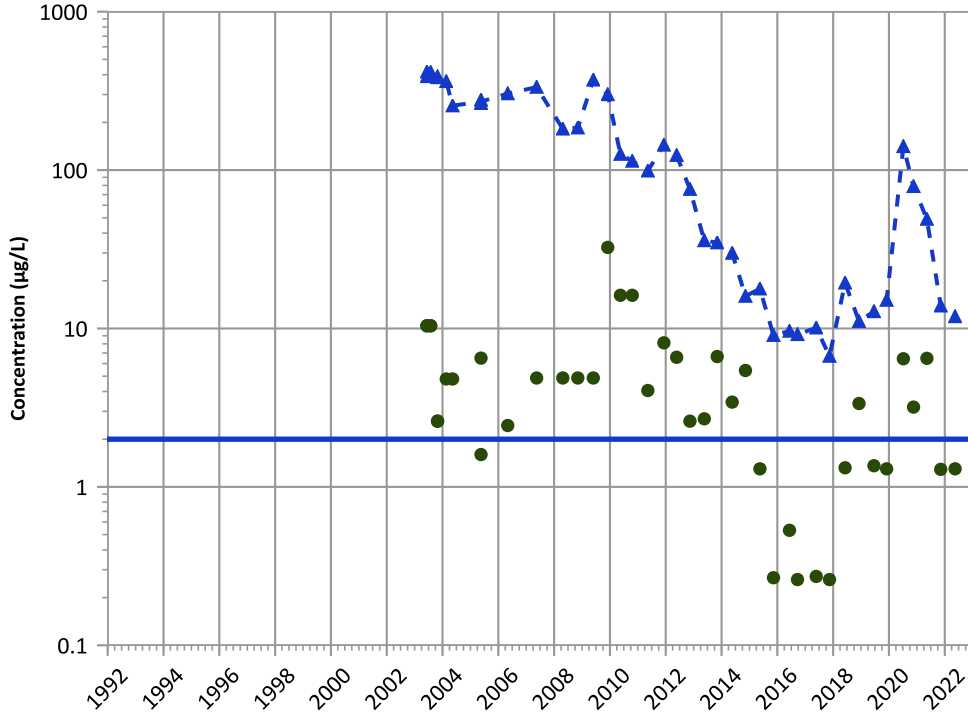
Well Location





PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

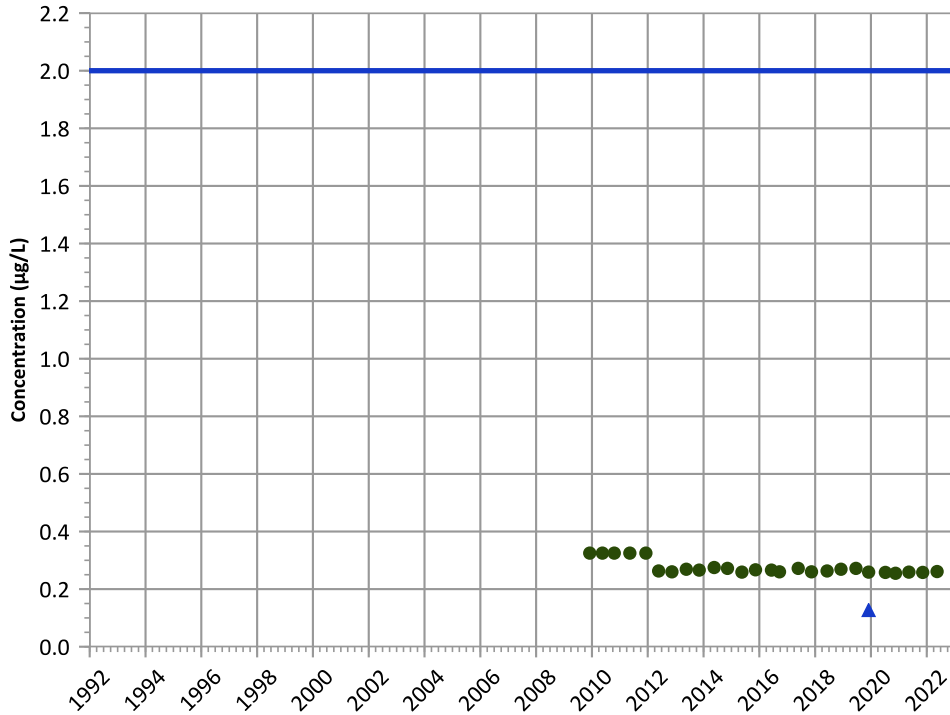


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

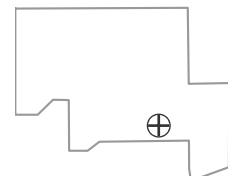
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

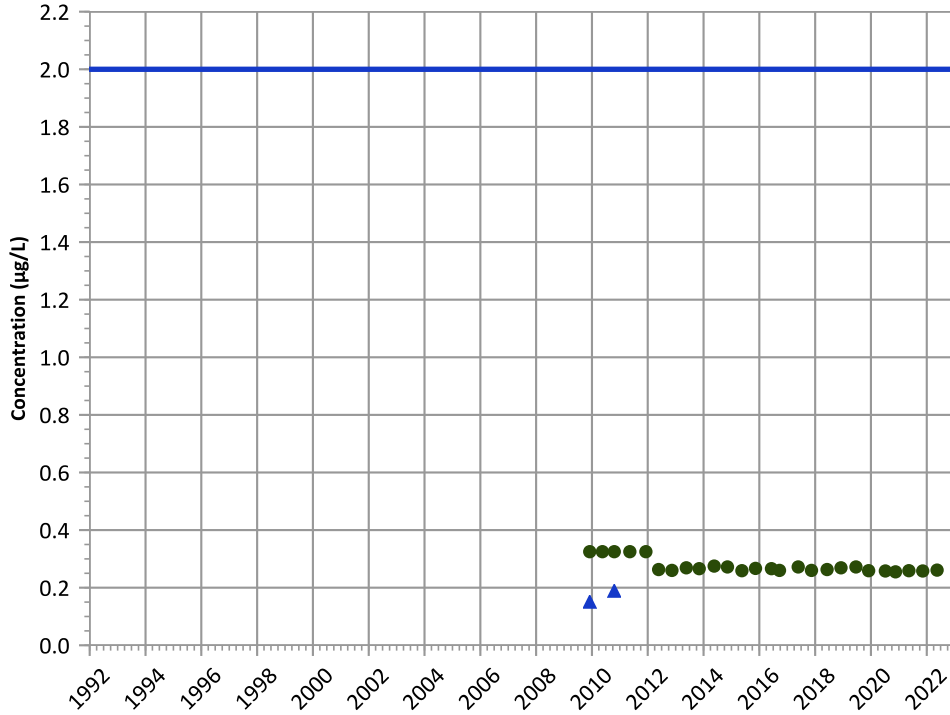
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

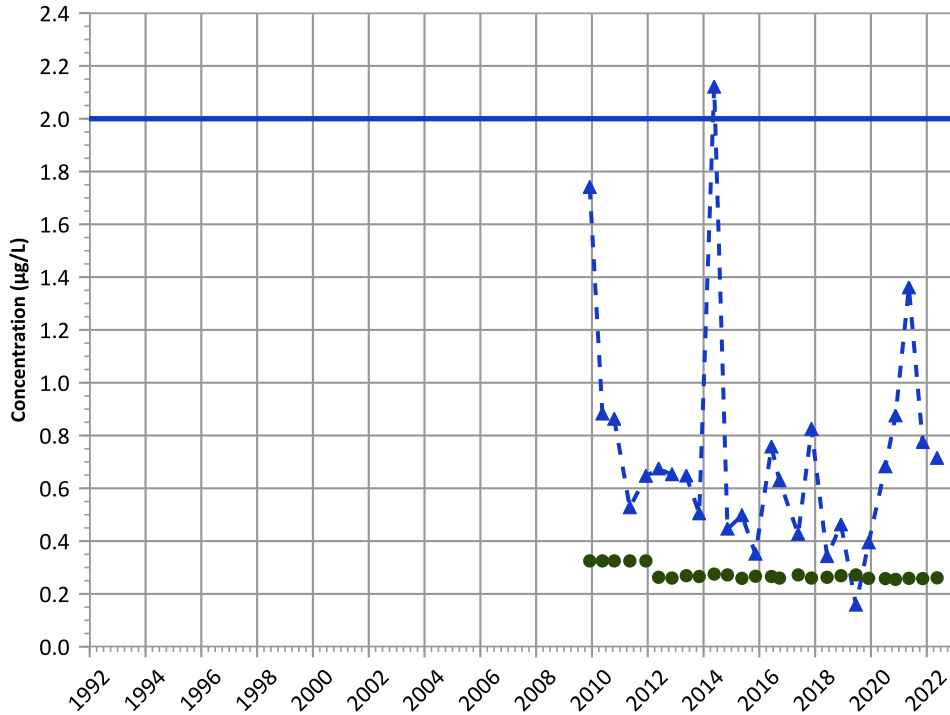


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

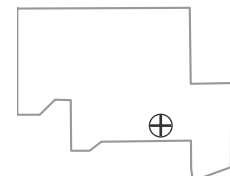


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Well Location

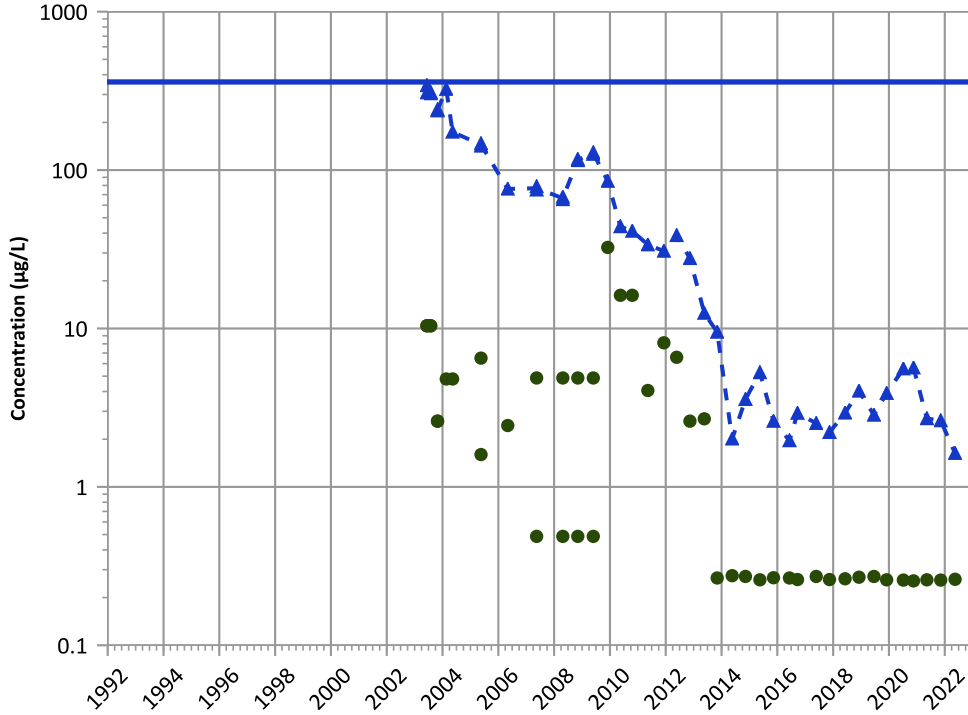


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

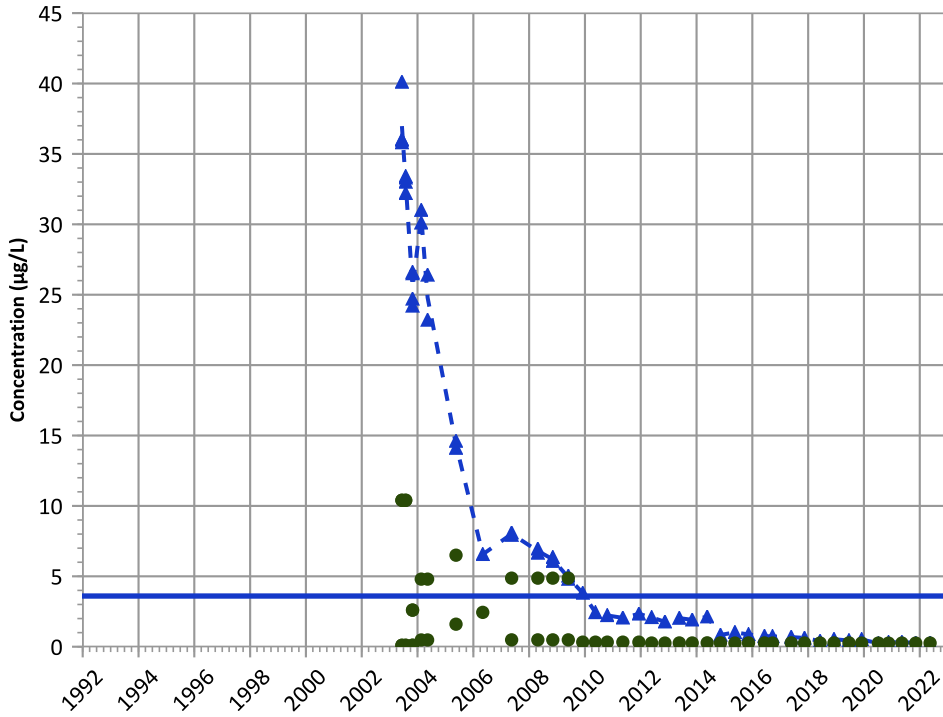


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

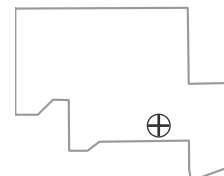
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

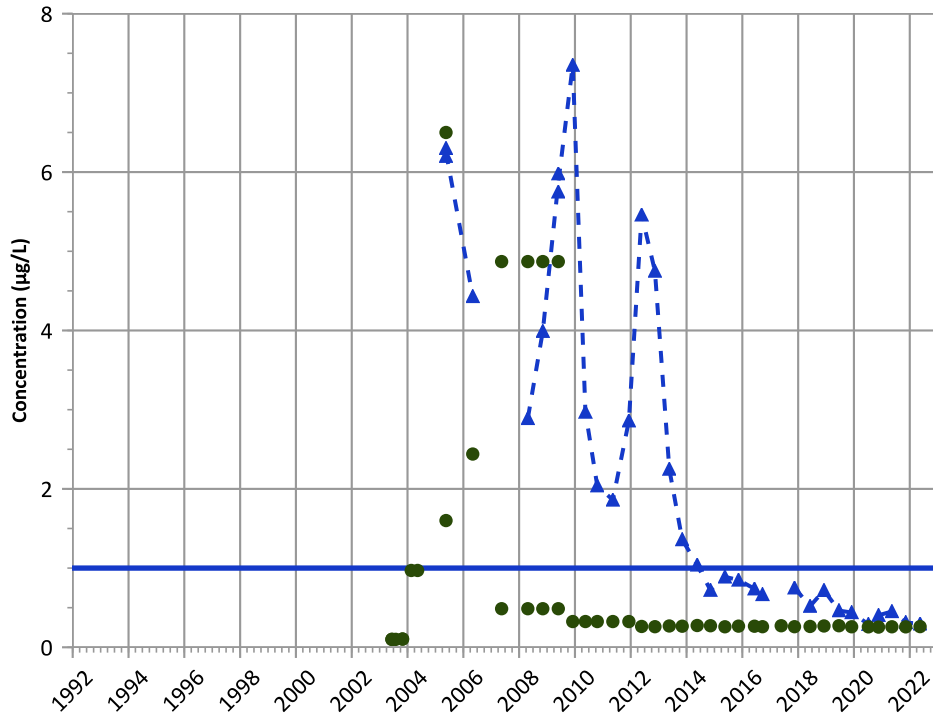
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 2,4-Dinitrotoluene Trend

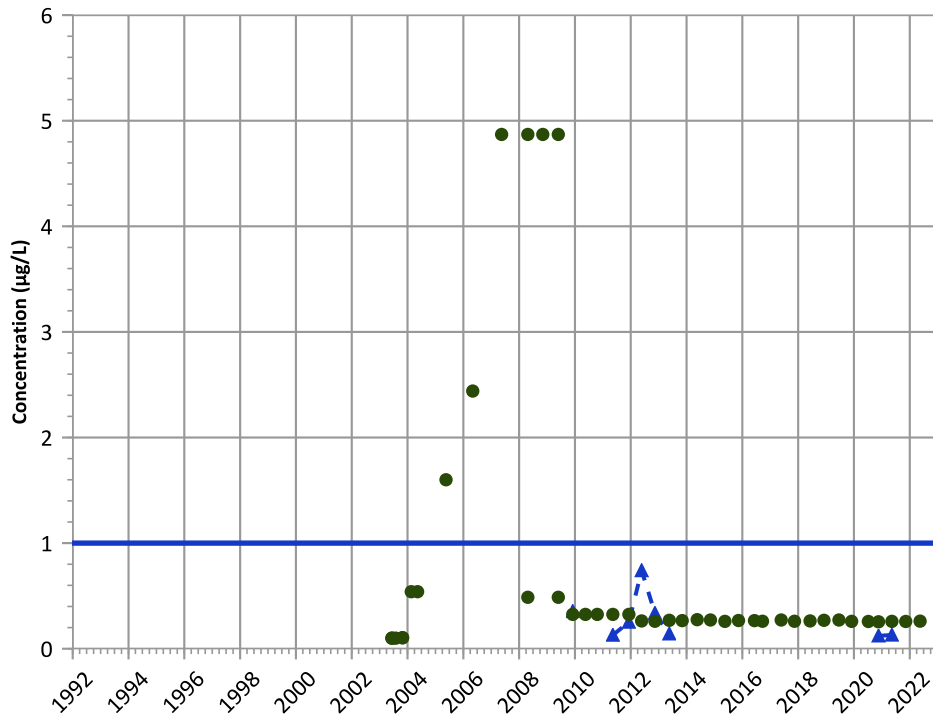


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 Probably Decreasing

2,6-Dinitrotoluene Trend

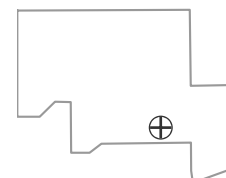


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Probably Decreasing  
 2020 - 2022 Data:  
 Decreasing

**Well Location**

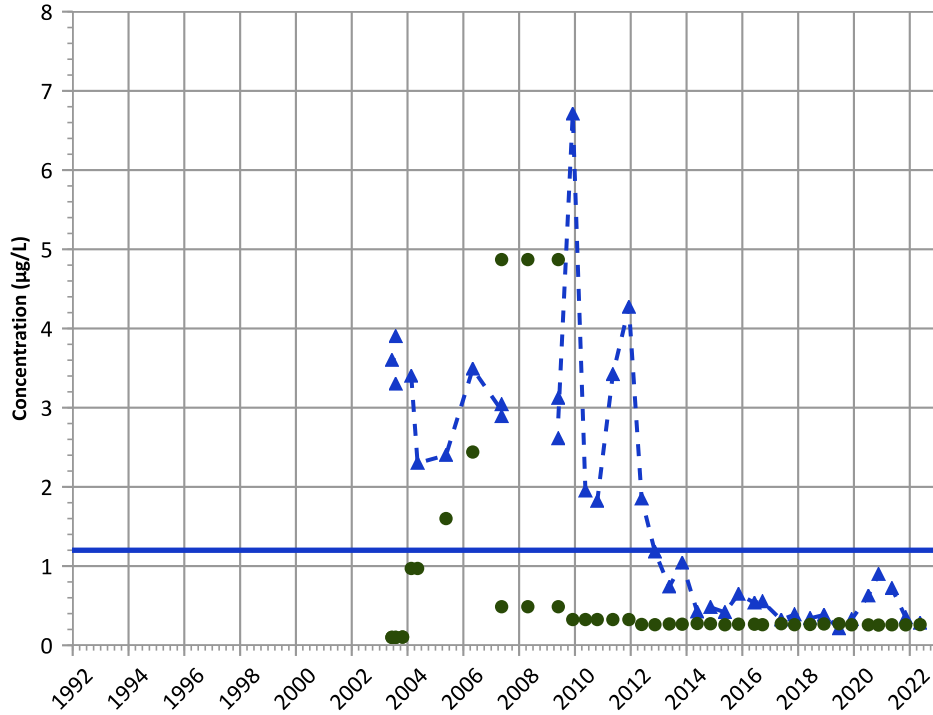


Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/11/2003 to 05/16/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

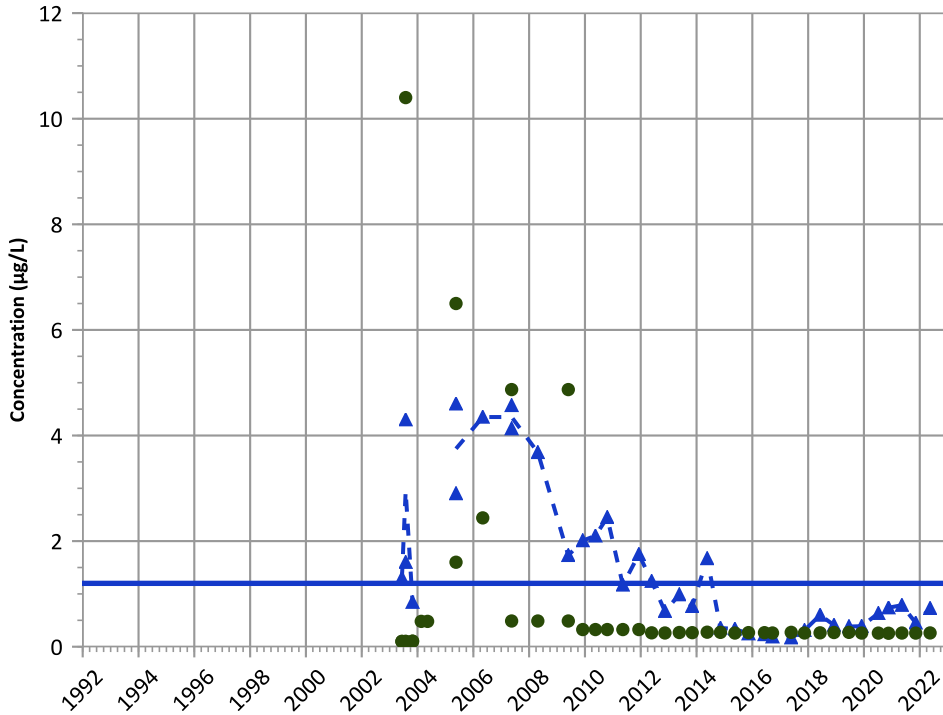
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

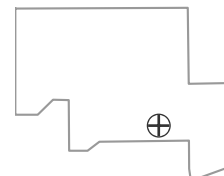
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

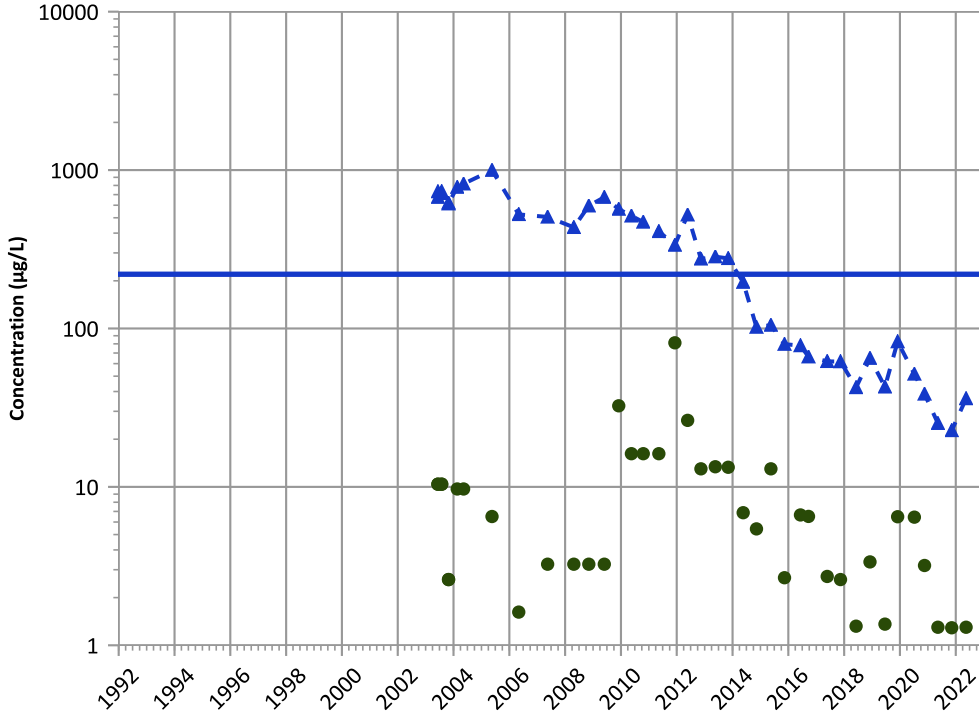
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

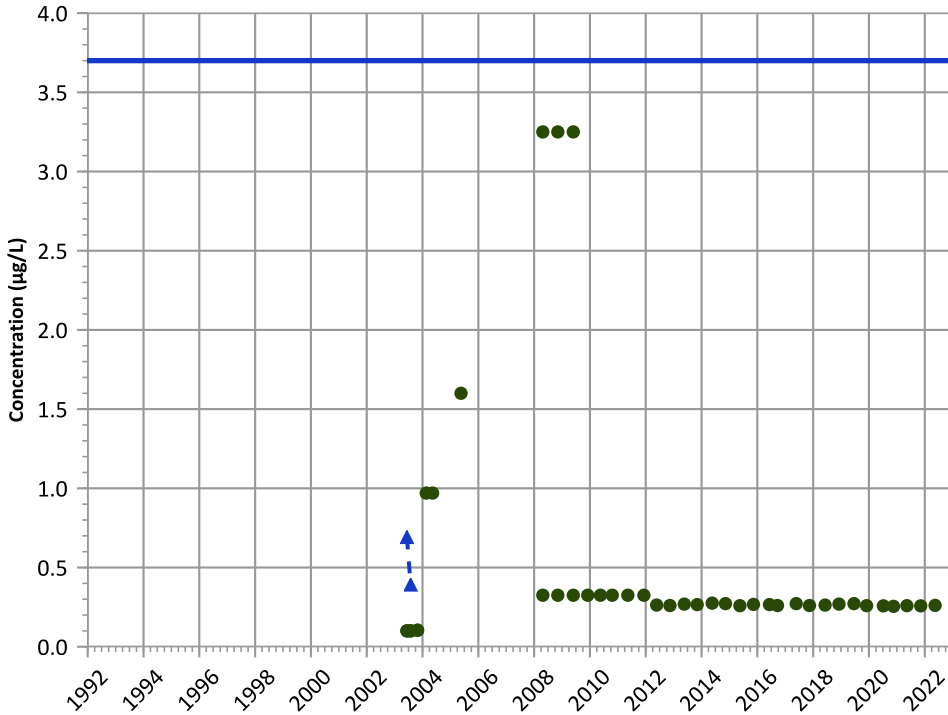


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

1,3-Dinitrobenzene Trend



Concentration Trend

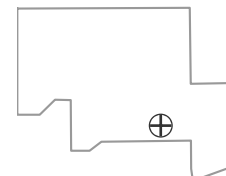
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

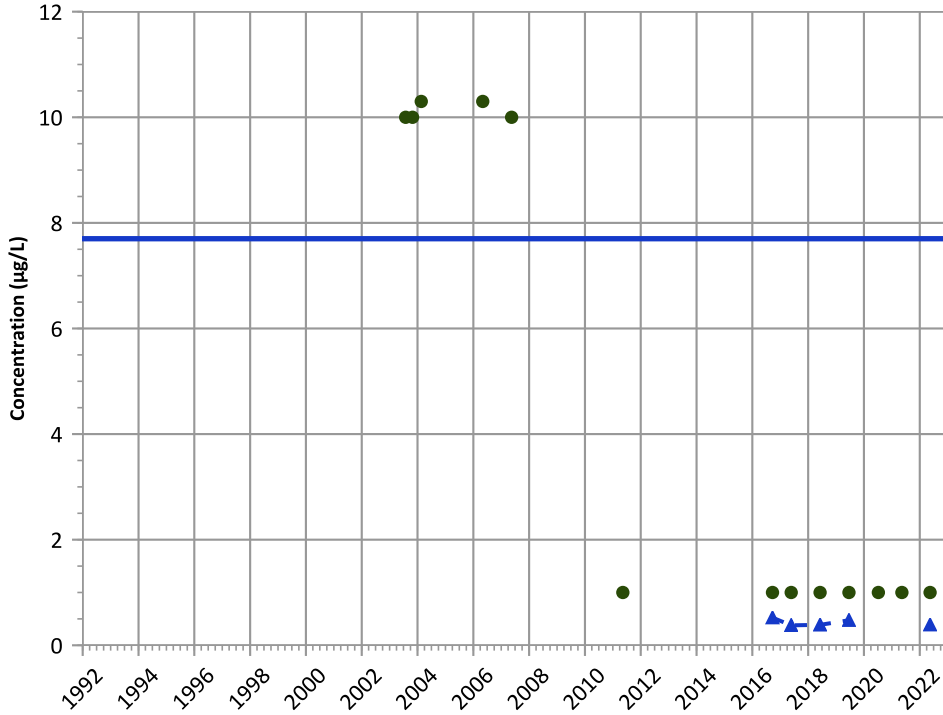
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

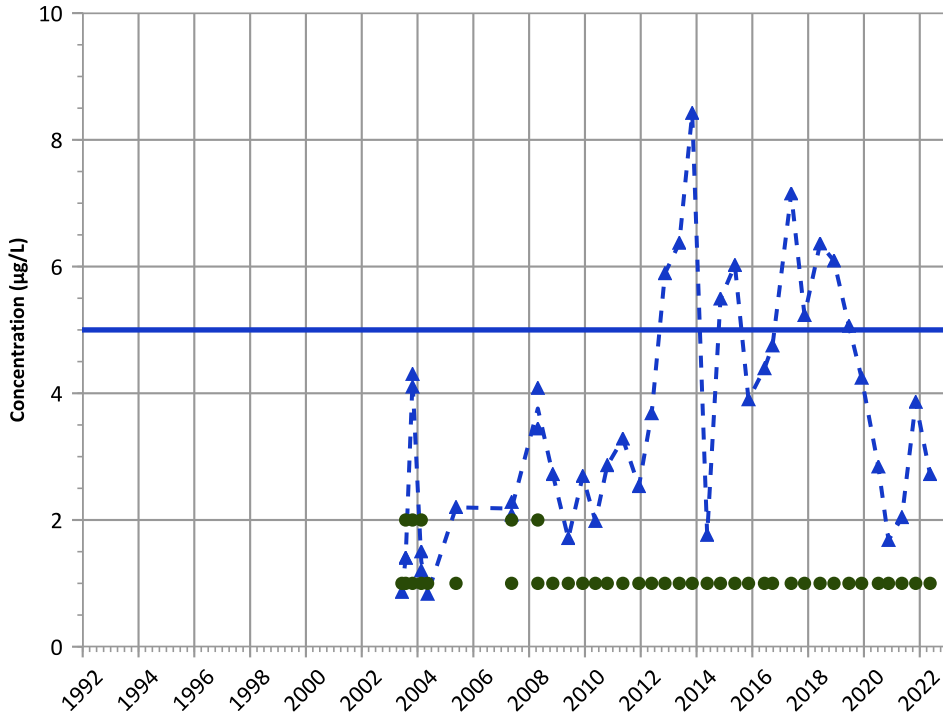


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

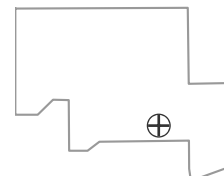
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

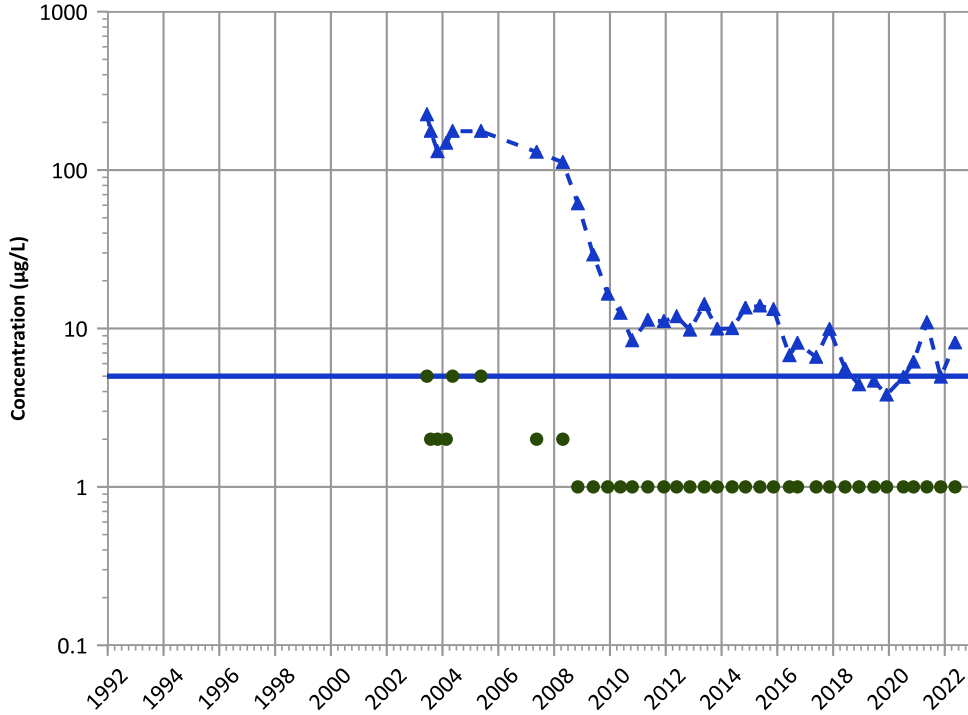
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

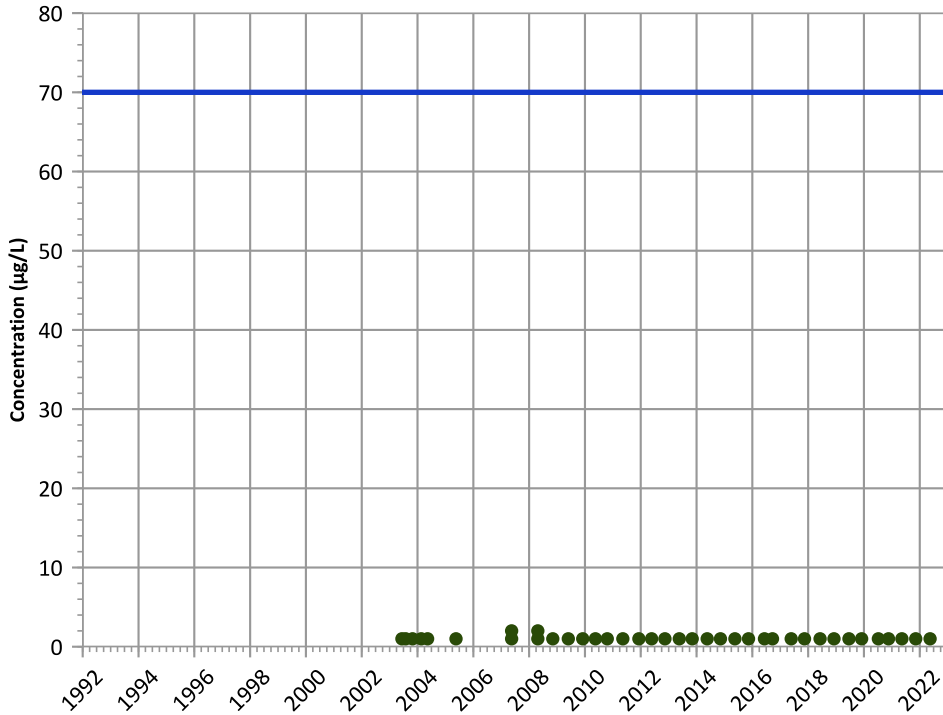


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

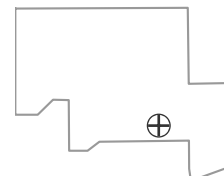
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

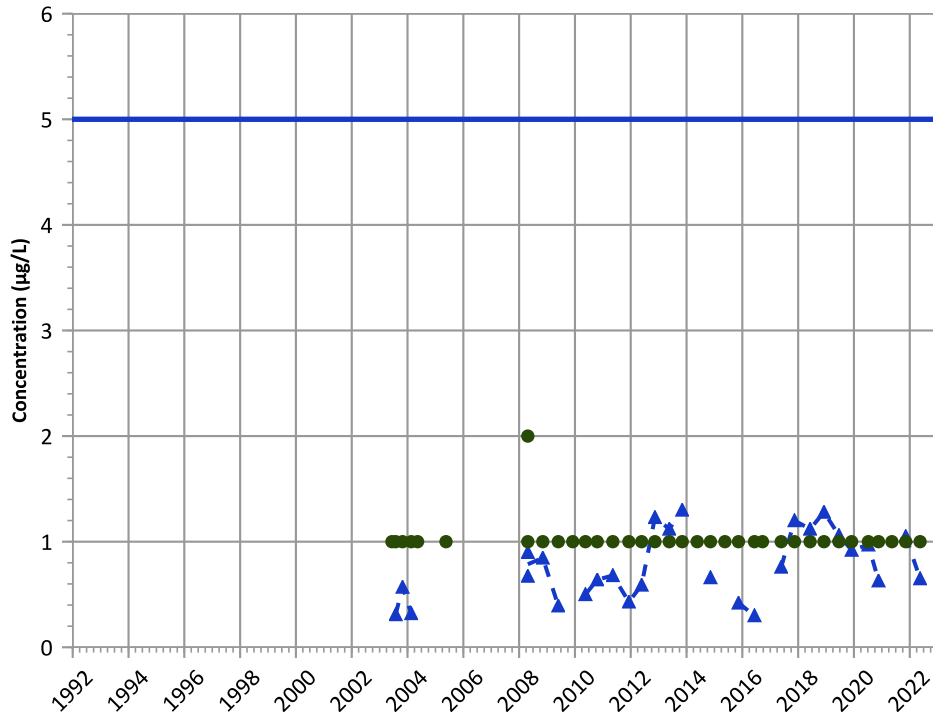
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

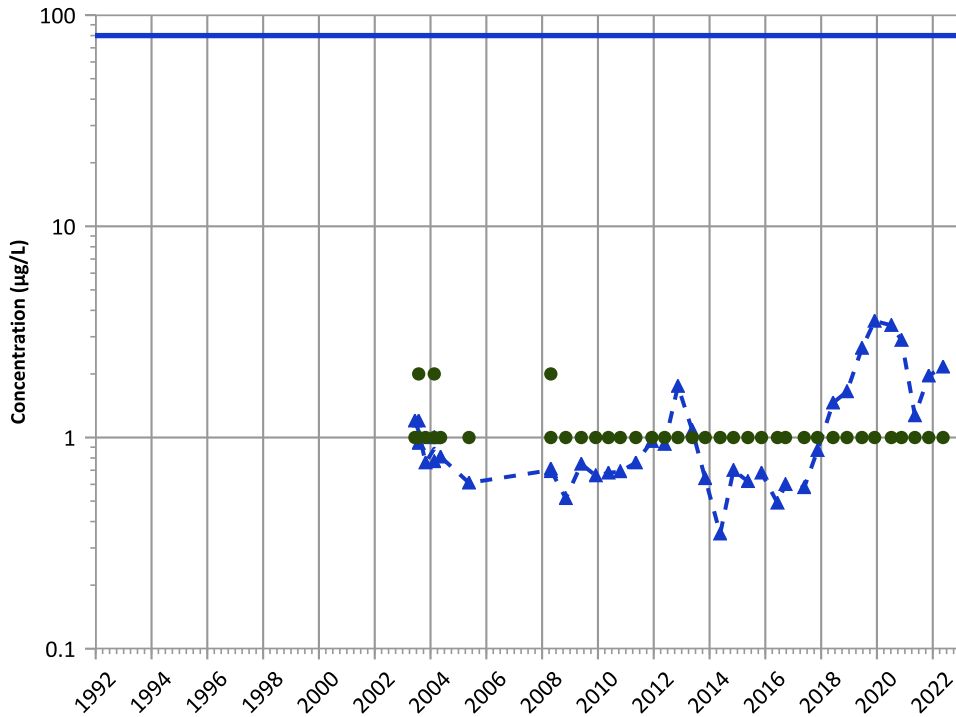


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

**Chloroform Trend**

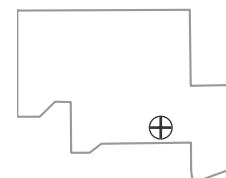


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

**Well Location**

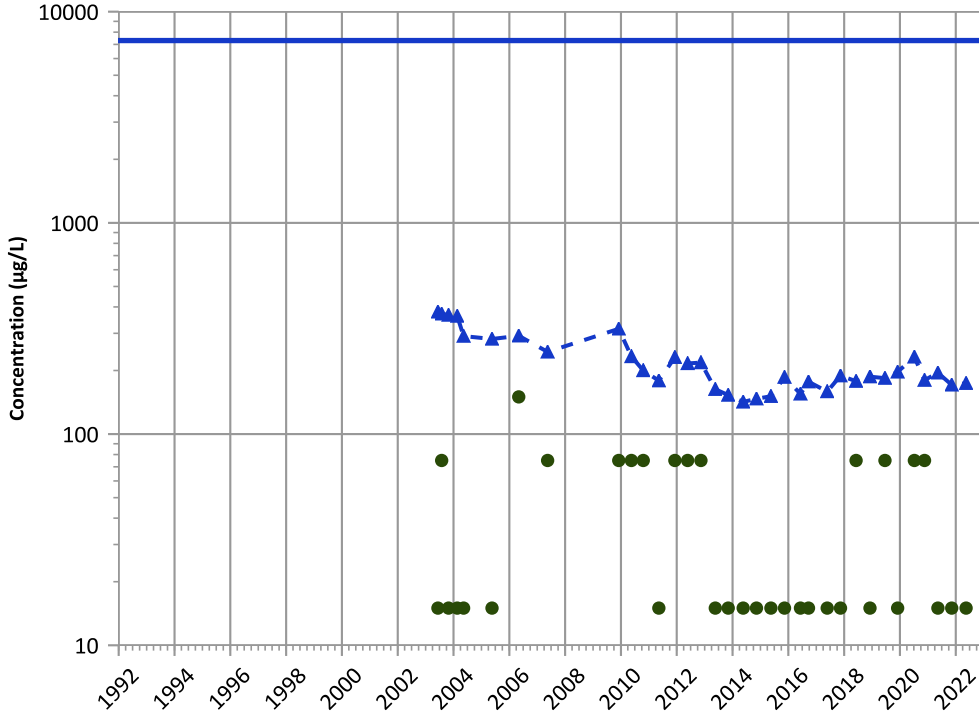


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend

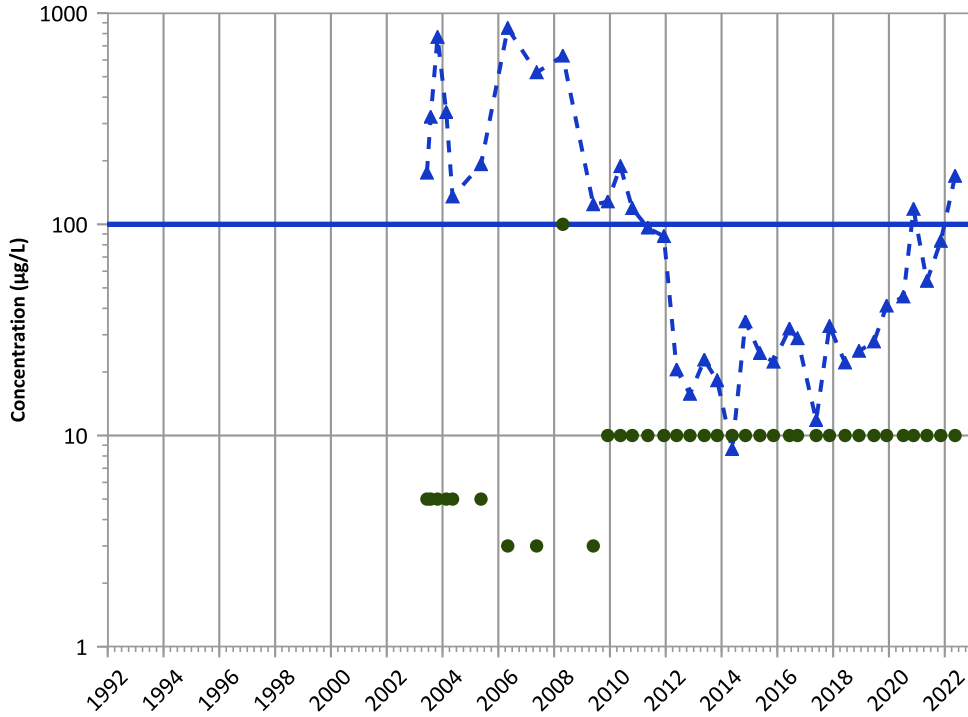


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Chromium, Total Trend



Concentration Trend

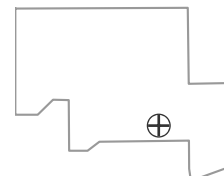
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

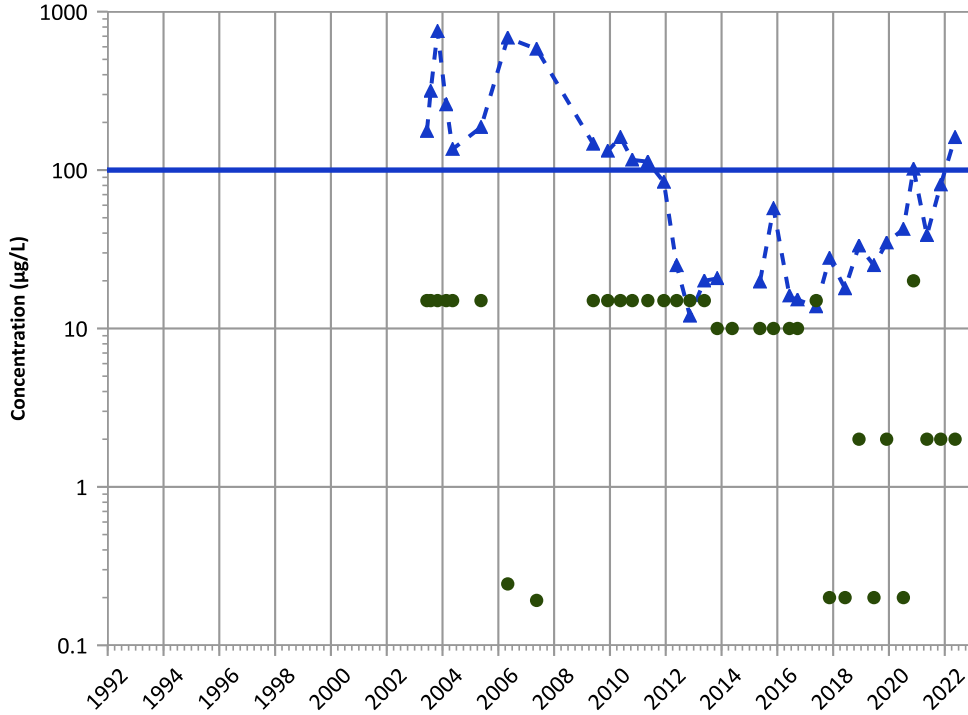
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

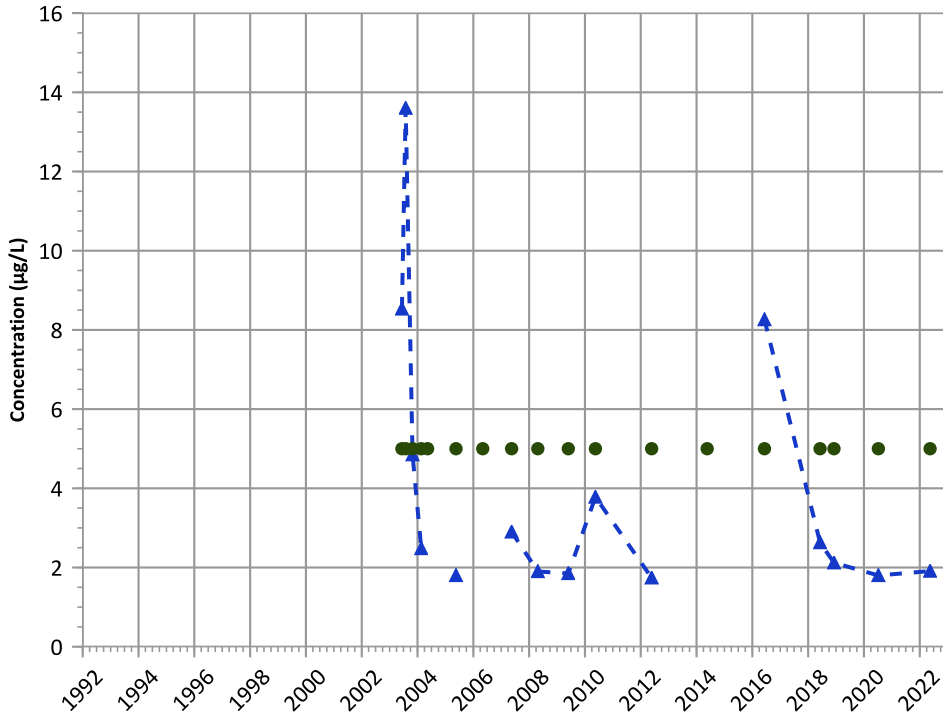


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Manganese Trend



Concentration Trend

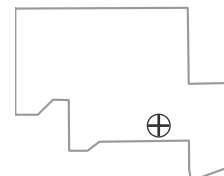
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

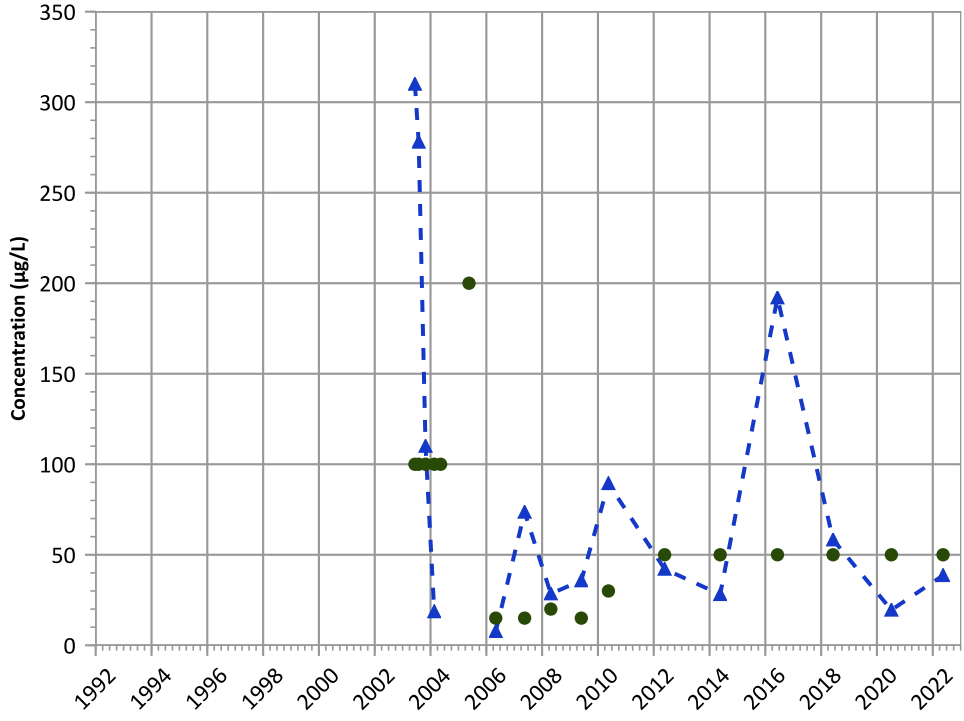
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

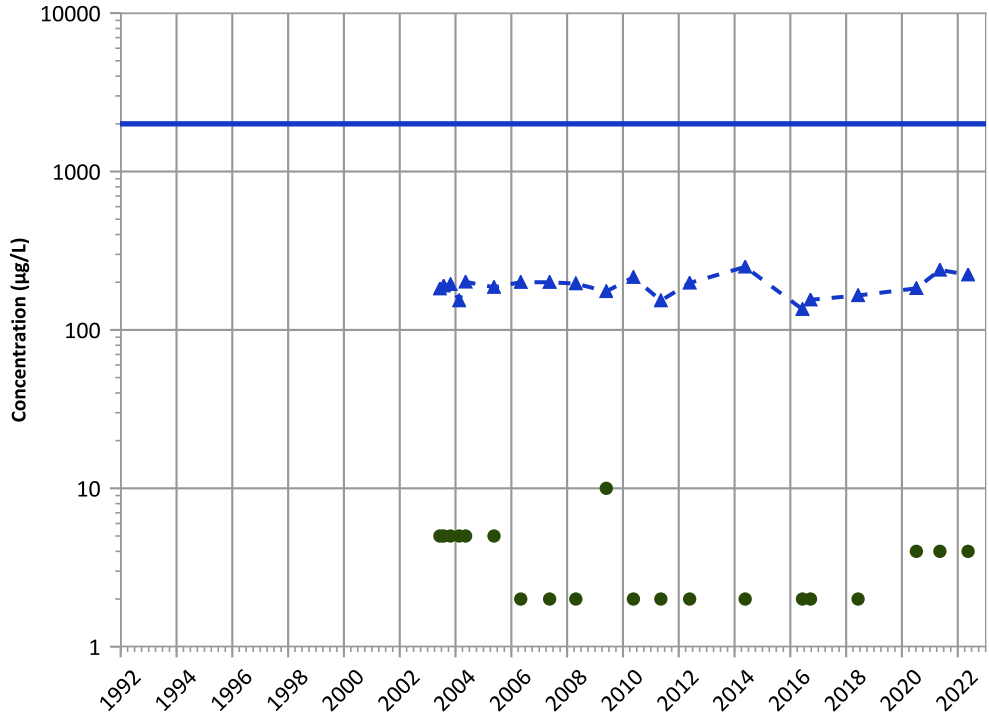
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

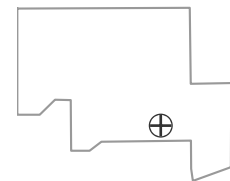
2020 - 2022 Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

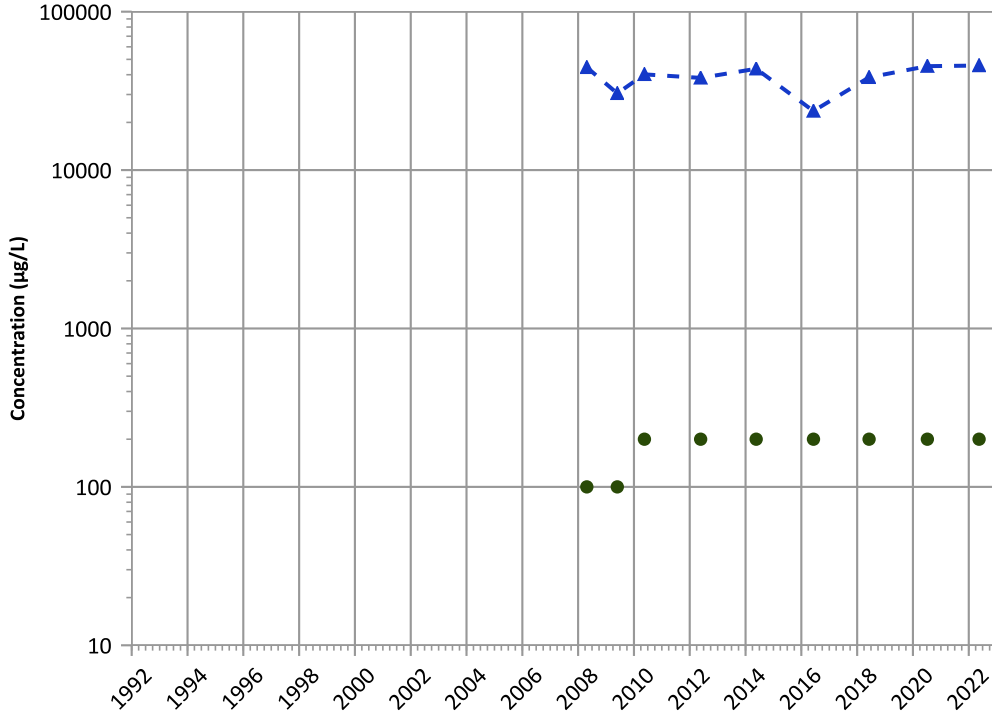
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend

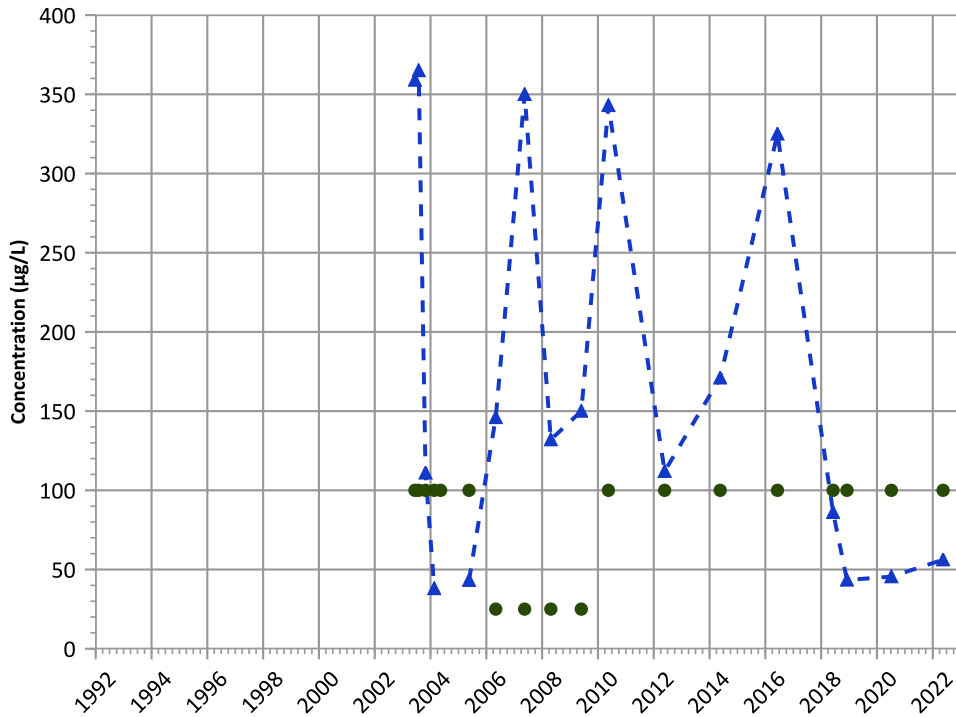


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Iron Trend



Concentration Trend

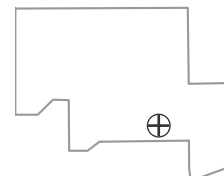
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

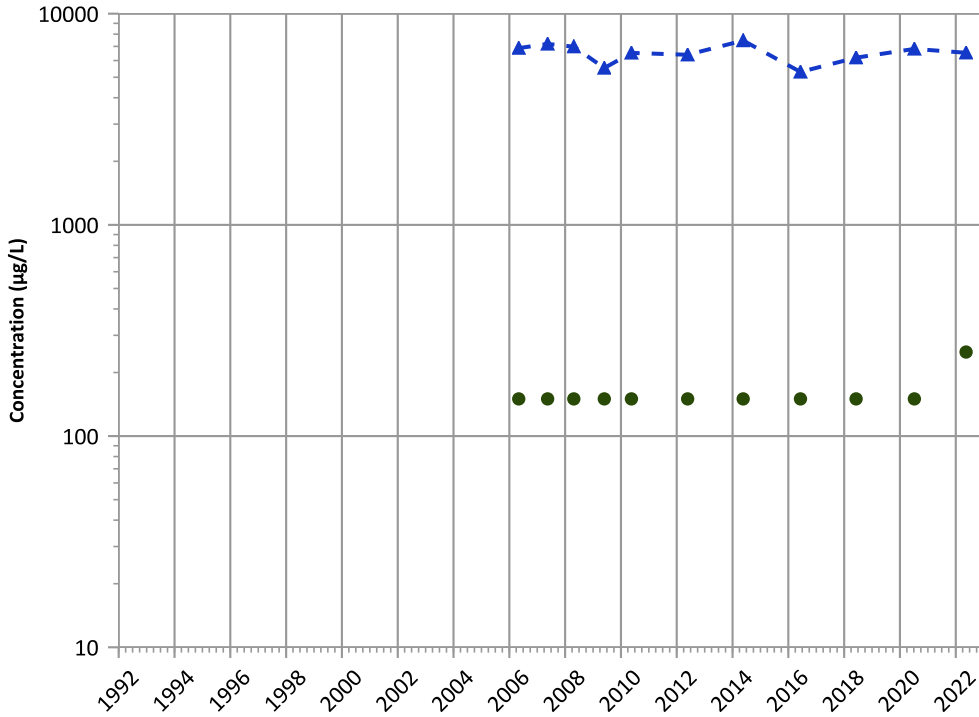
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

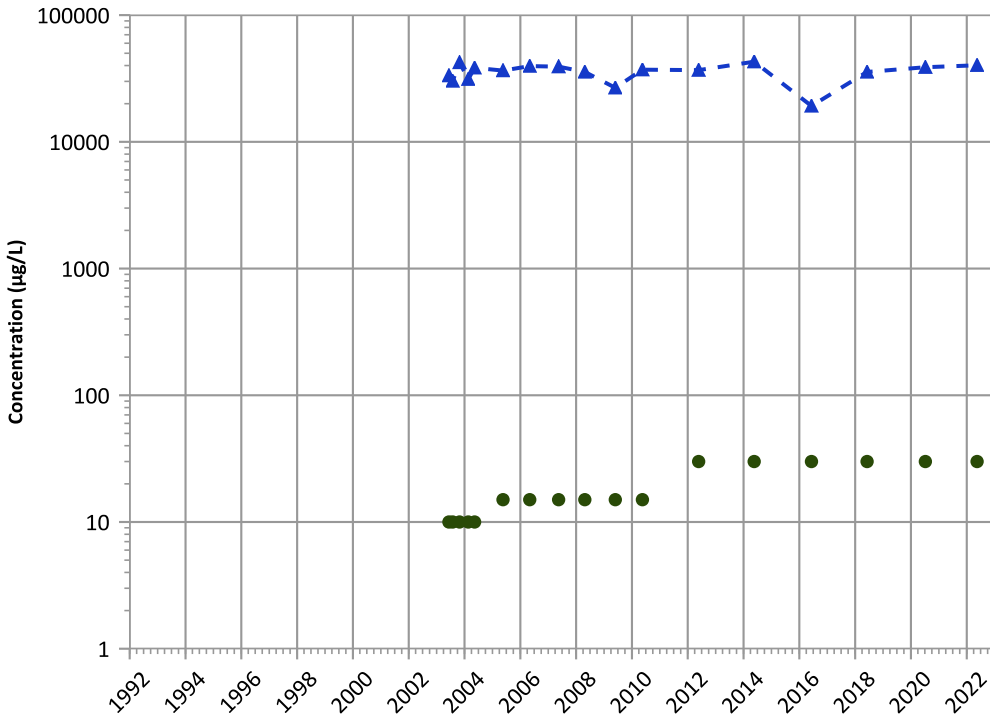


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Magnesium Trend

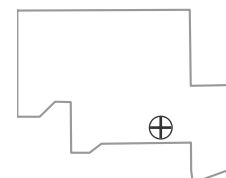


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

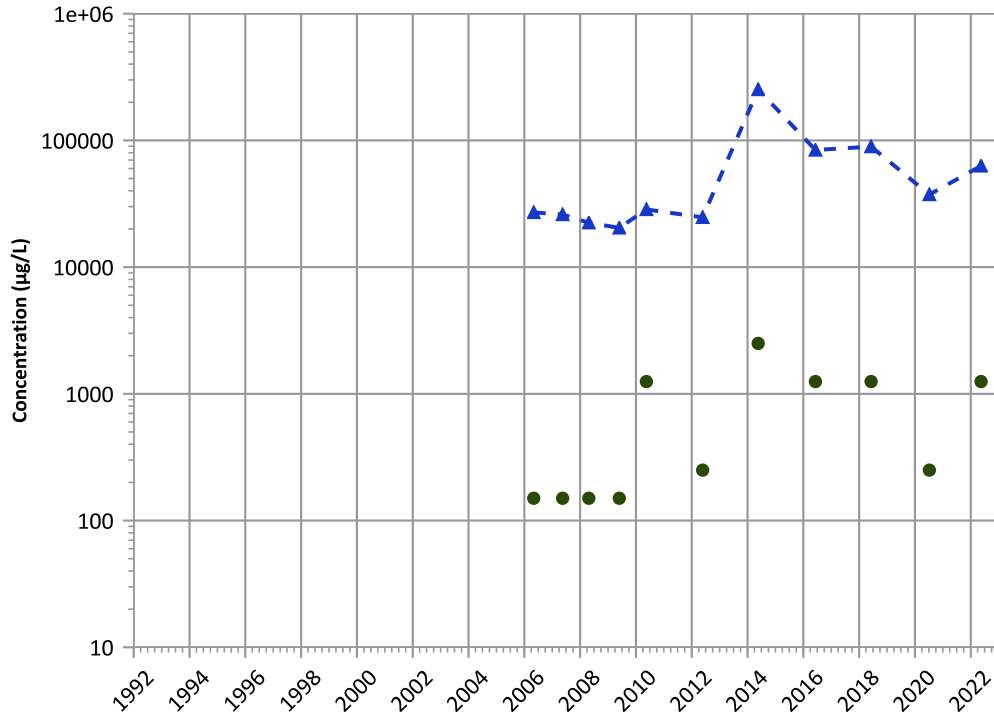
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/11/2003 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend



**Concentration Trend**

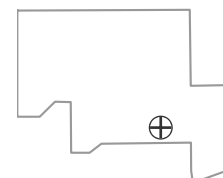
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 Stable

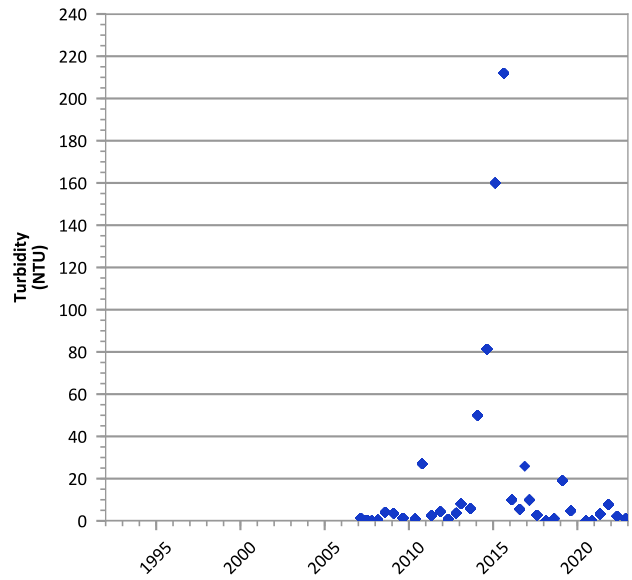
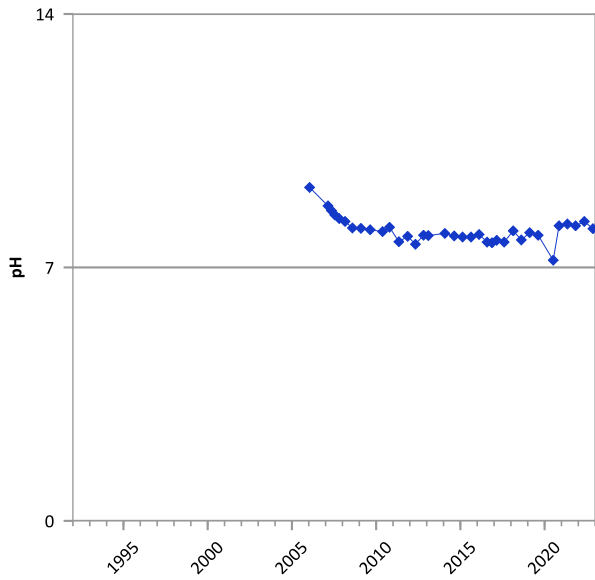
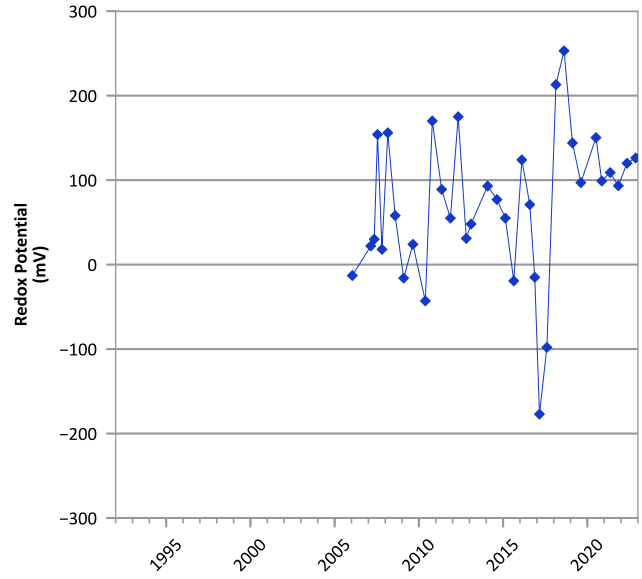
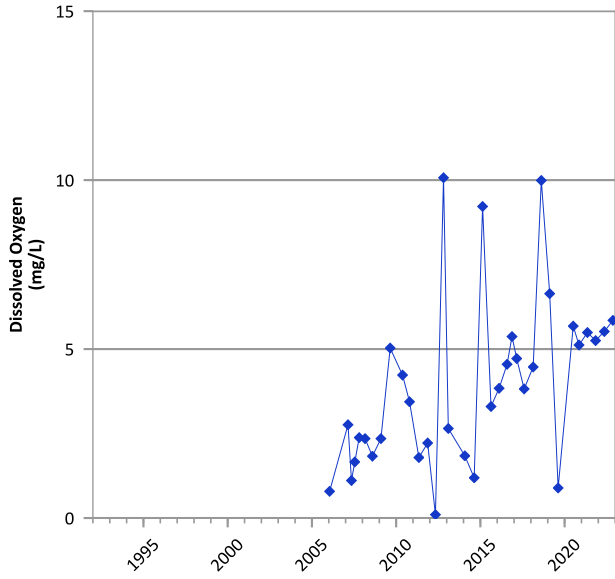
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/11/2003 to 05/16/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

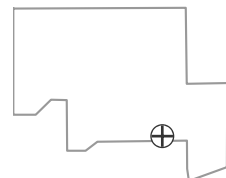


**PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 05/09/2005 to 11/14/2022  
 Analysis Date: 04/27/2023

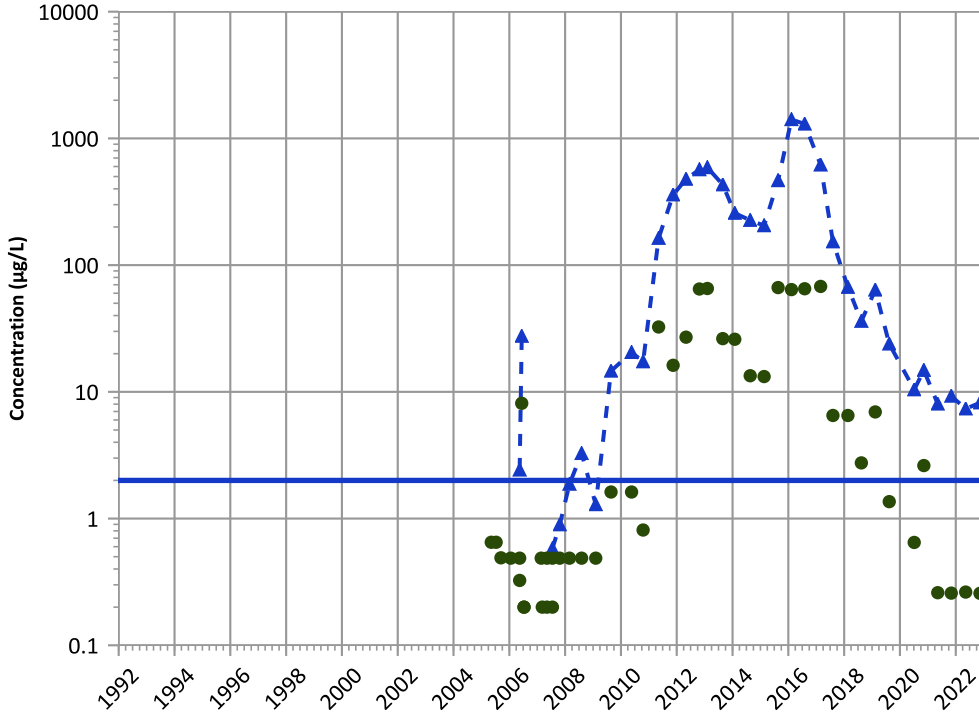
**Well Location**





PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

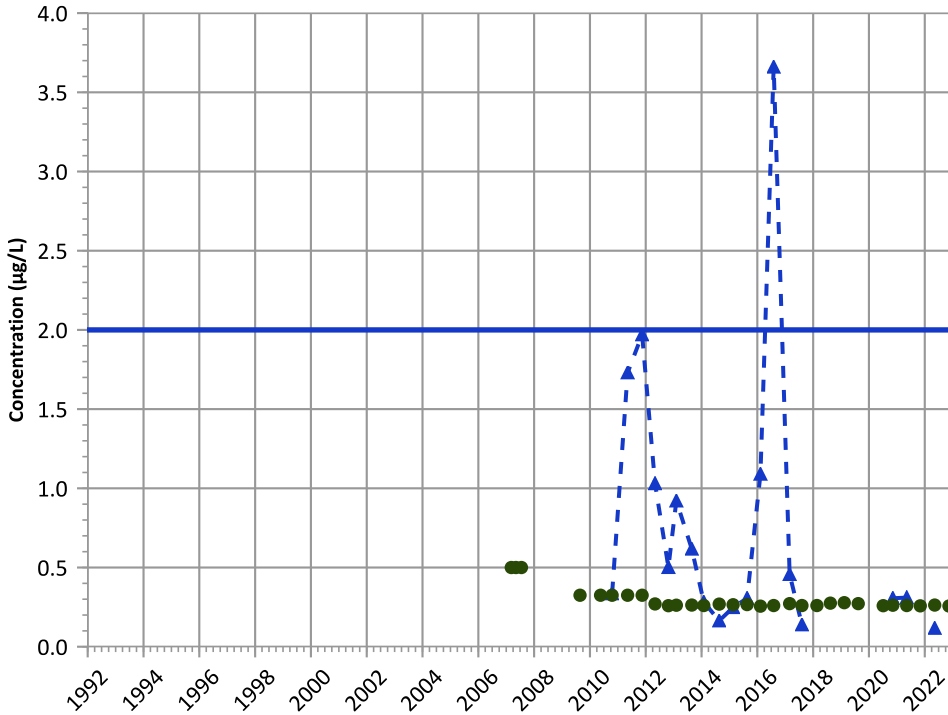
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

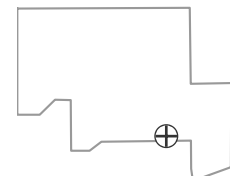
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

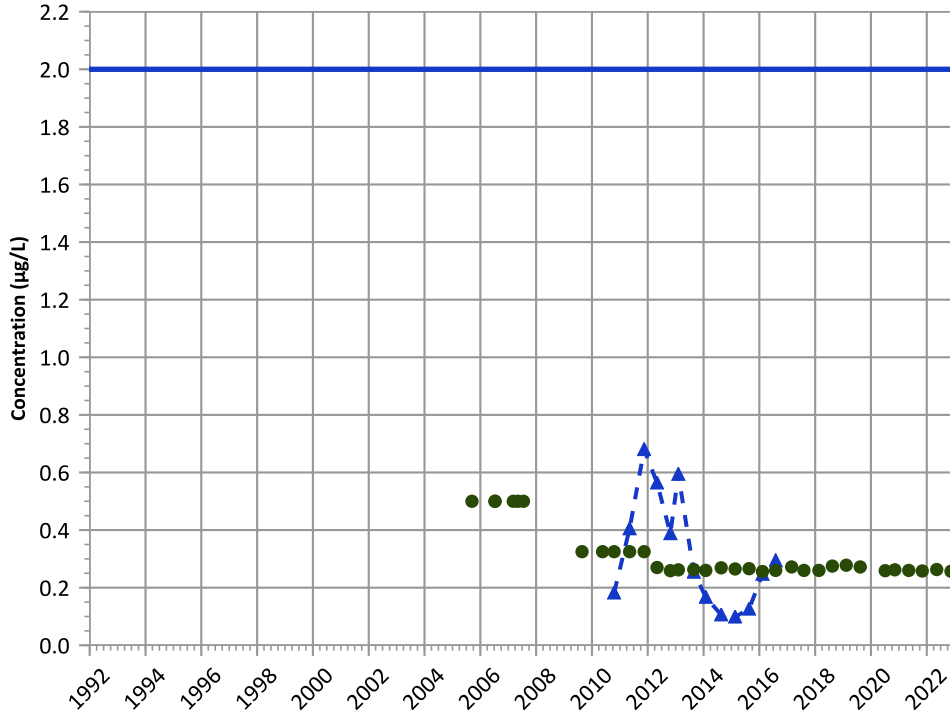


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

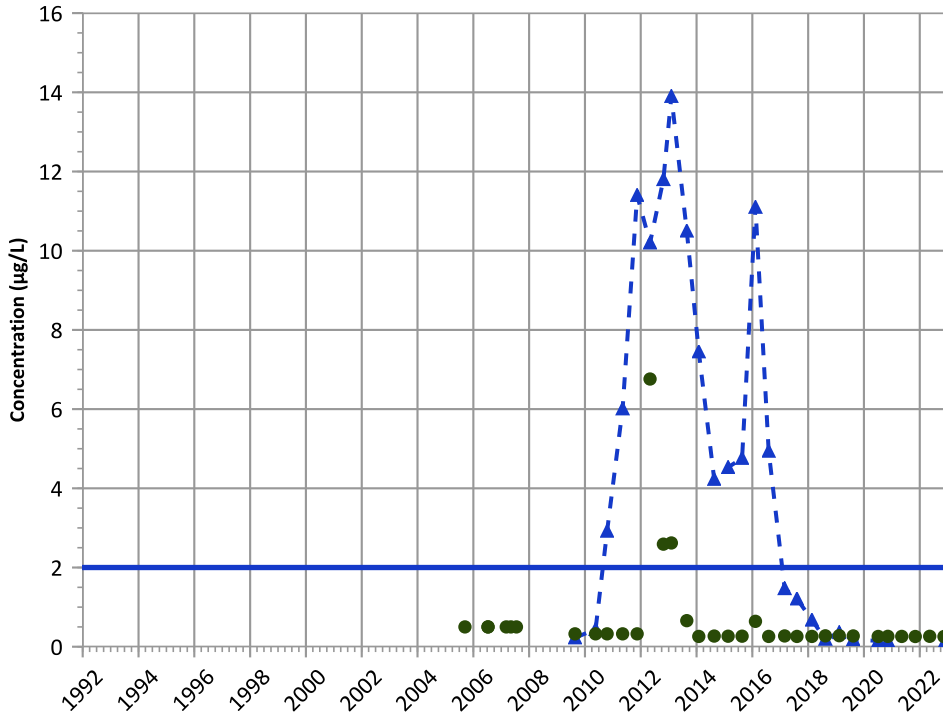


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

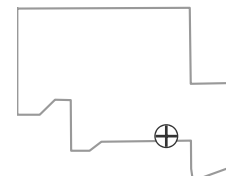
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

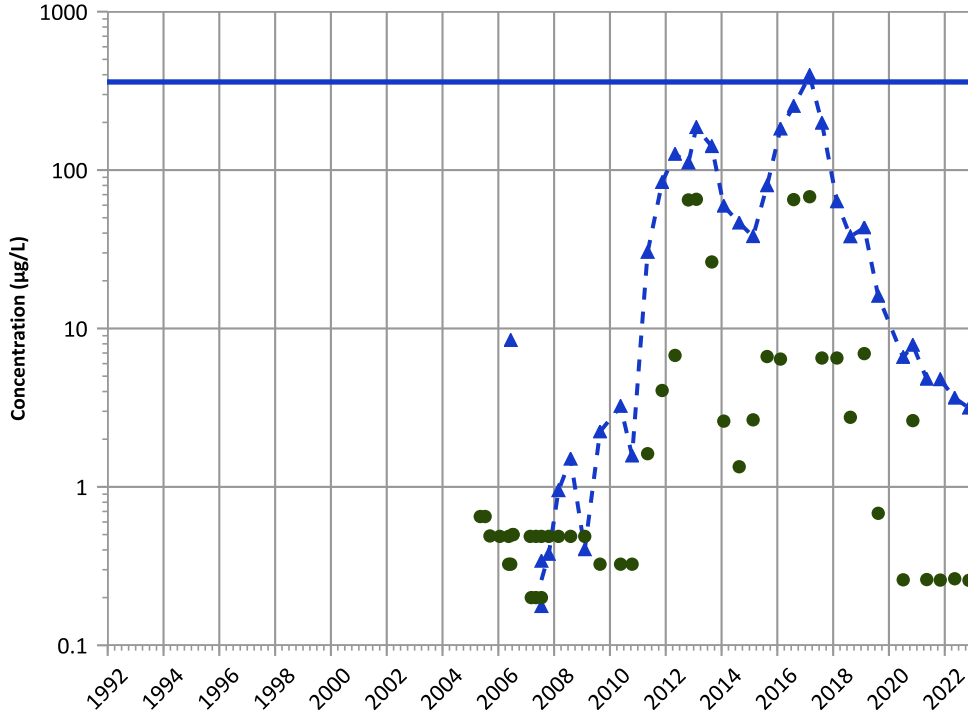
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

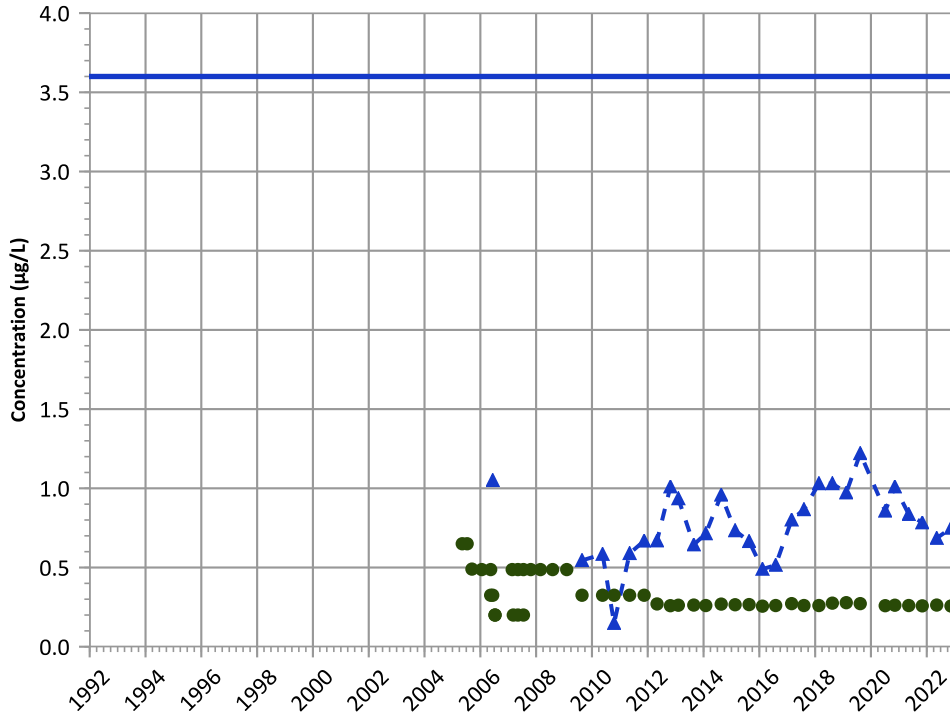
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

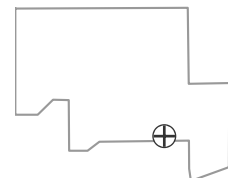
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

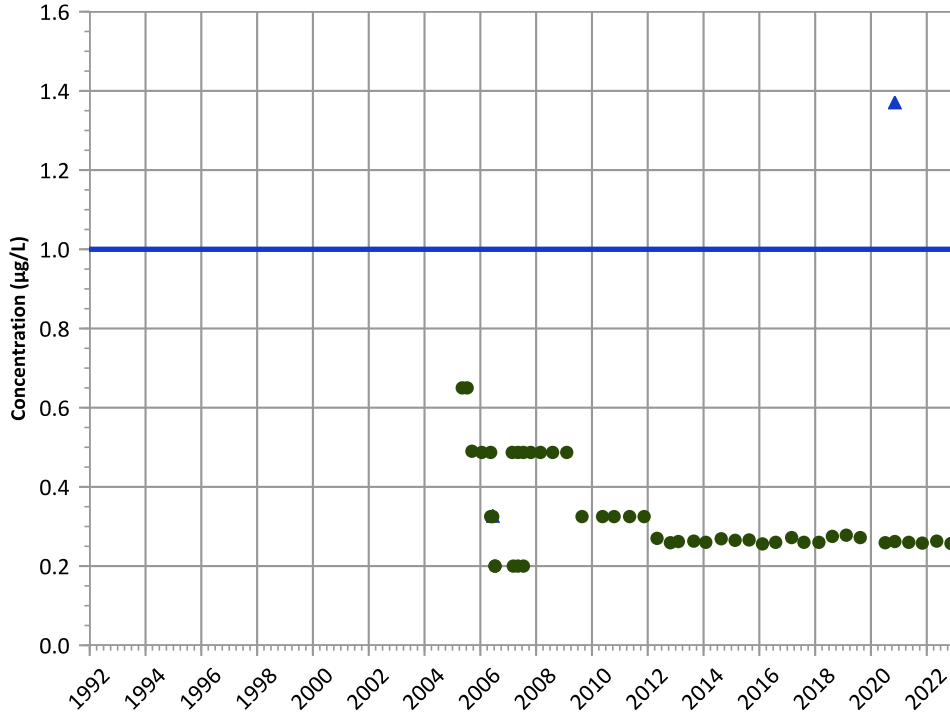
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

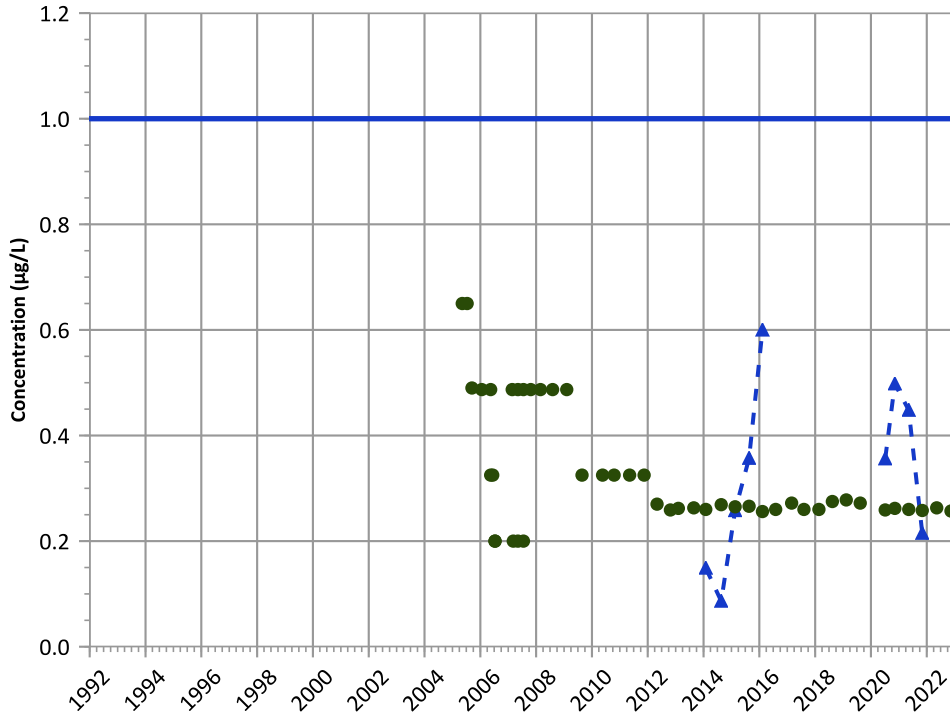


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

2,6-Dinitrotoluene Trend



Concentration Trend

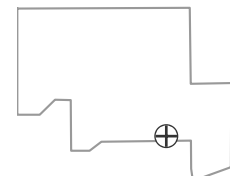
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

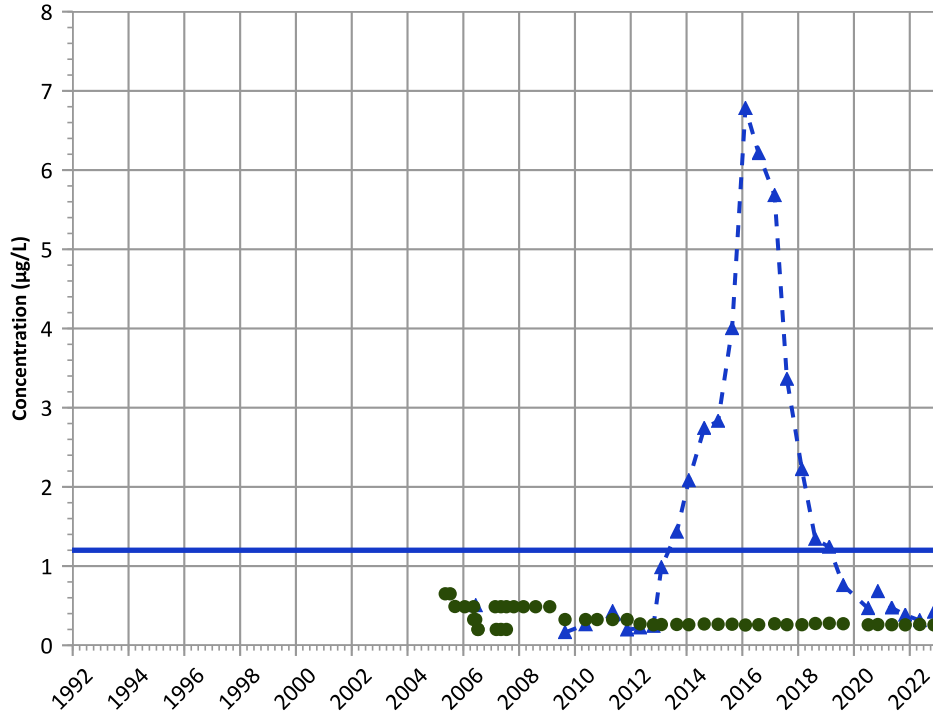
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

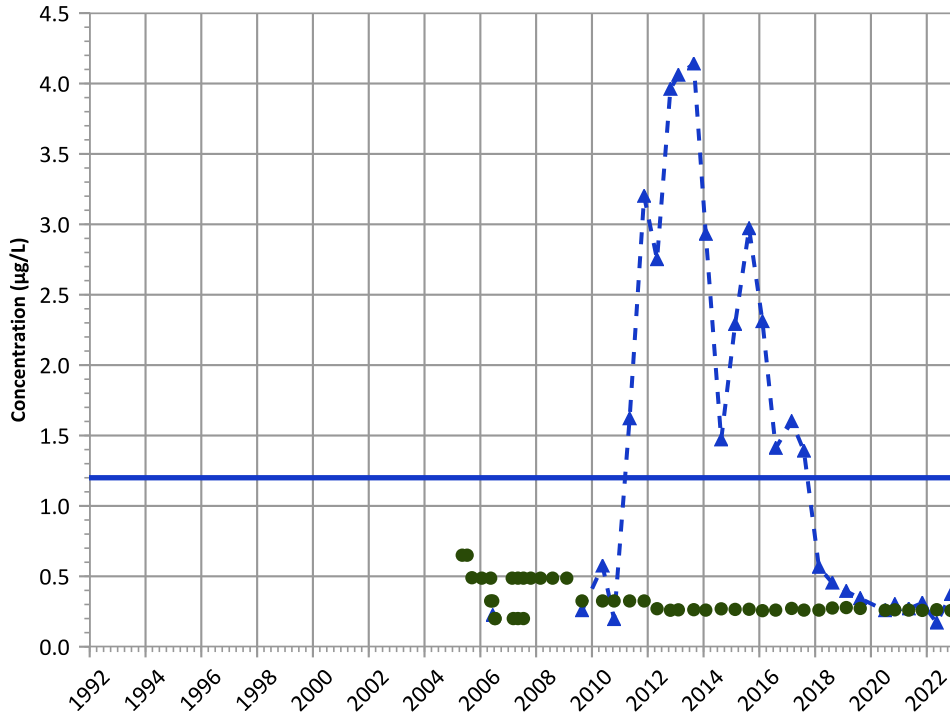
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

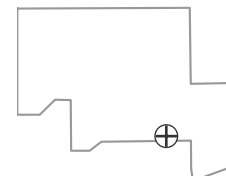
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

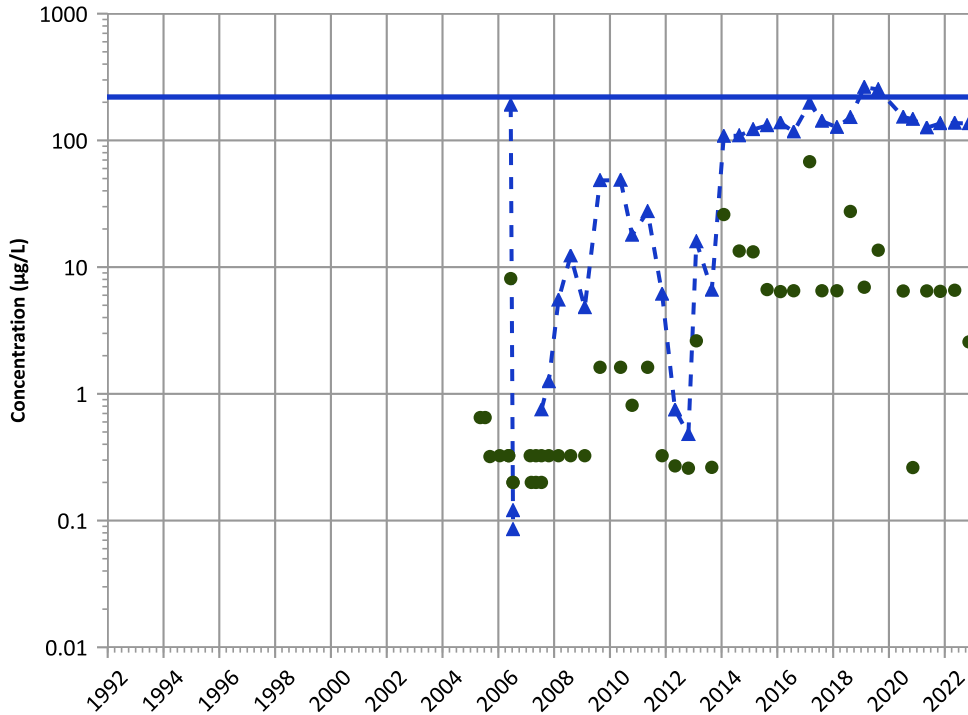
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

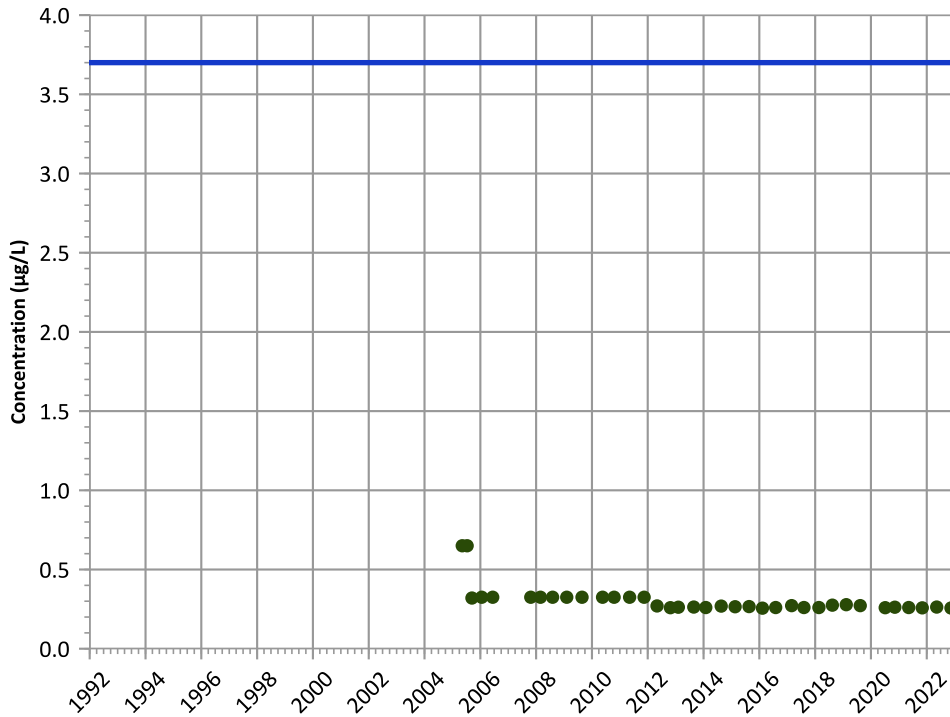
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

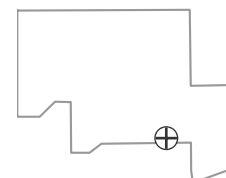
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

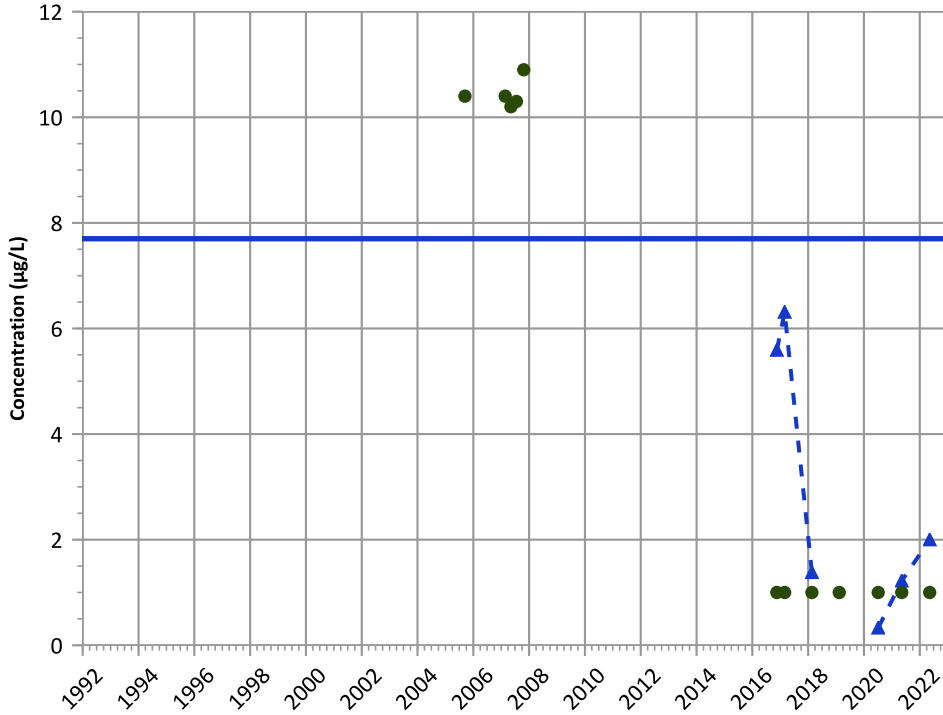
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

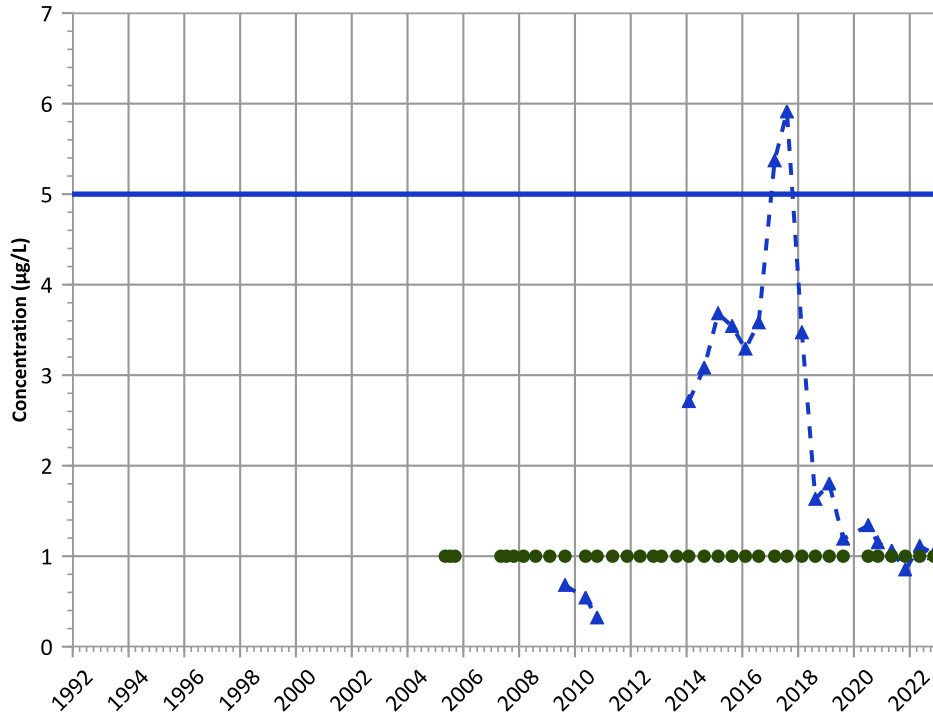


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

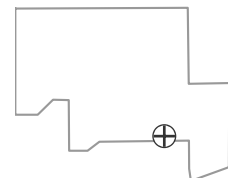
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

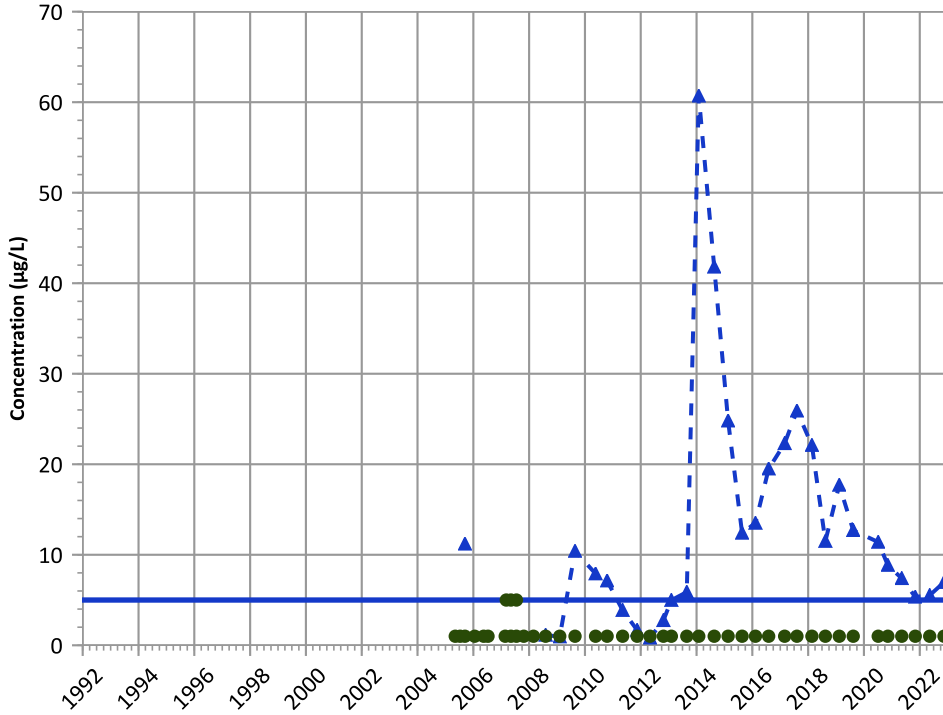
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

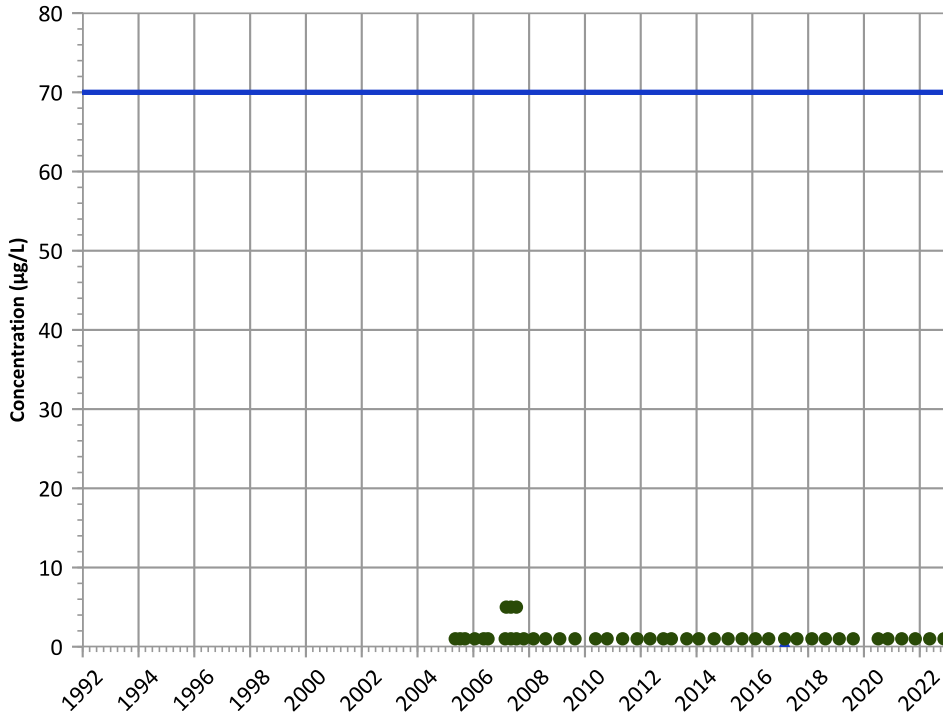


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

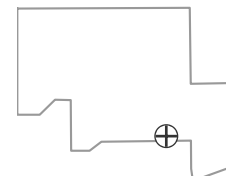
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

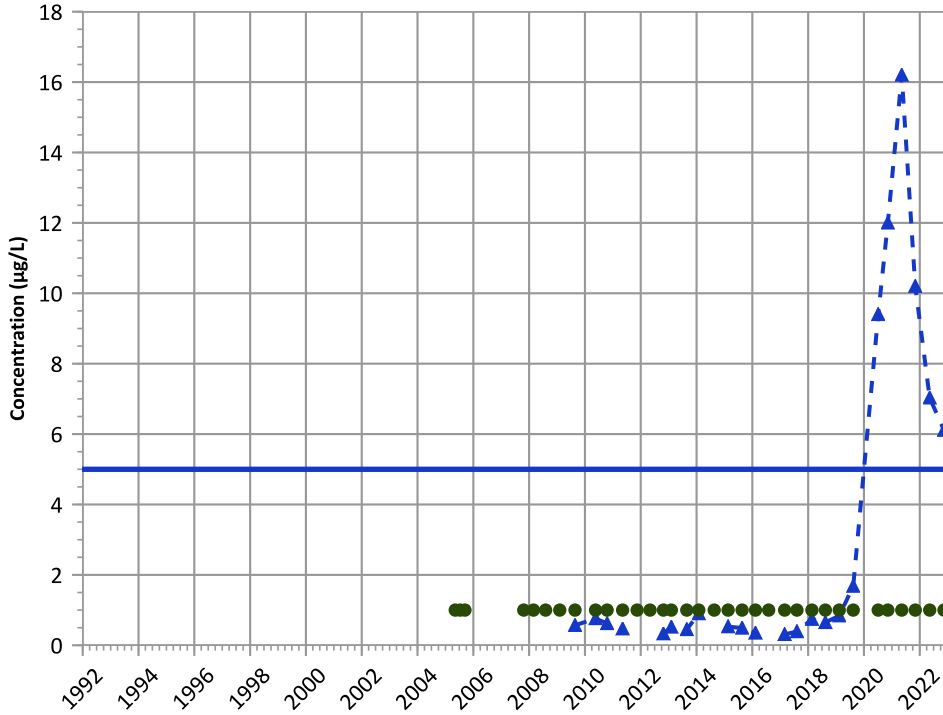
Well Location





PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

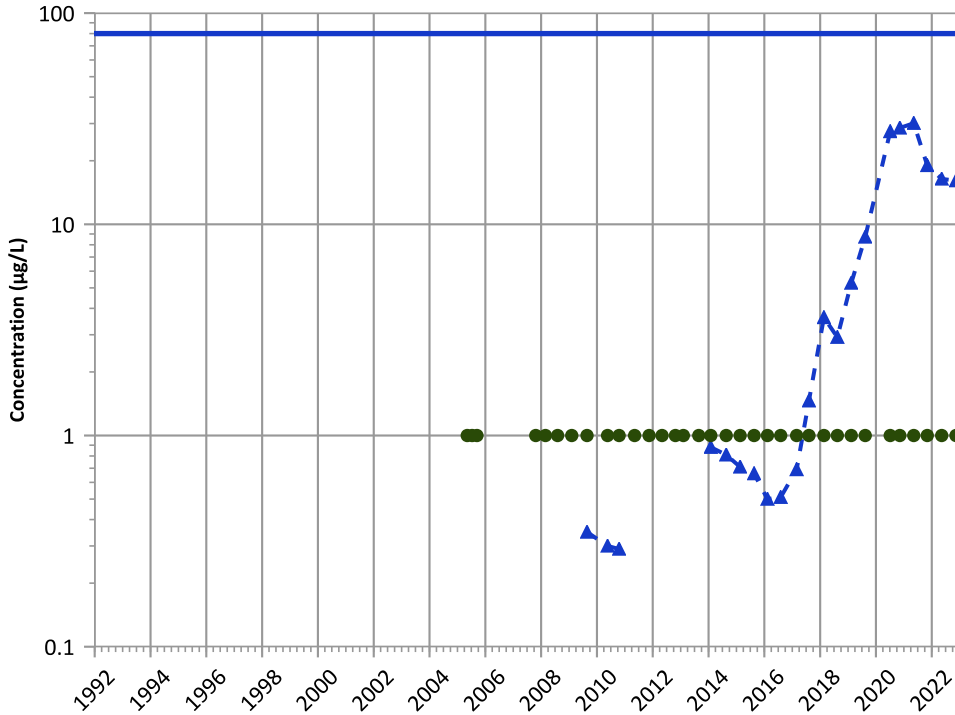
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

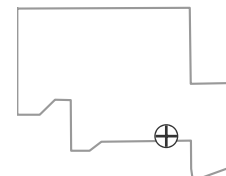
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

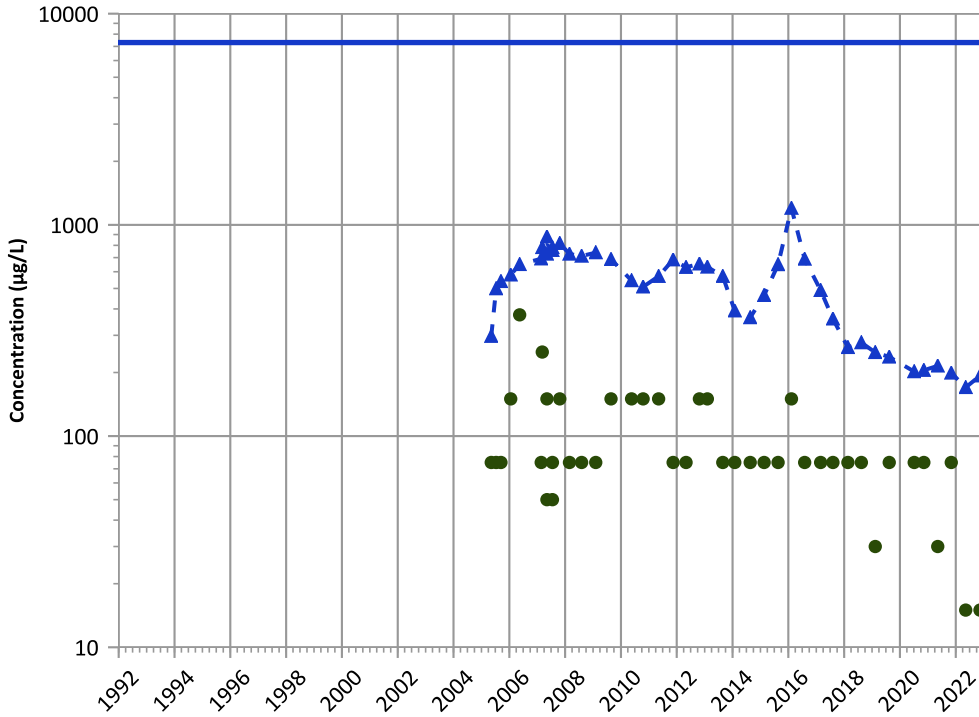
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend

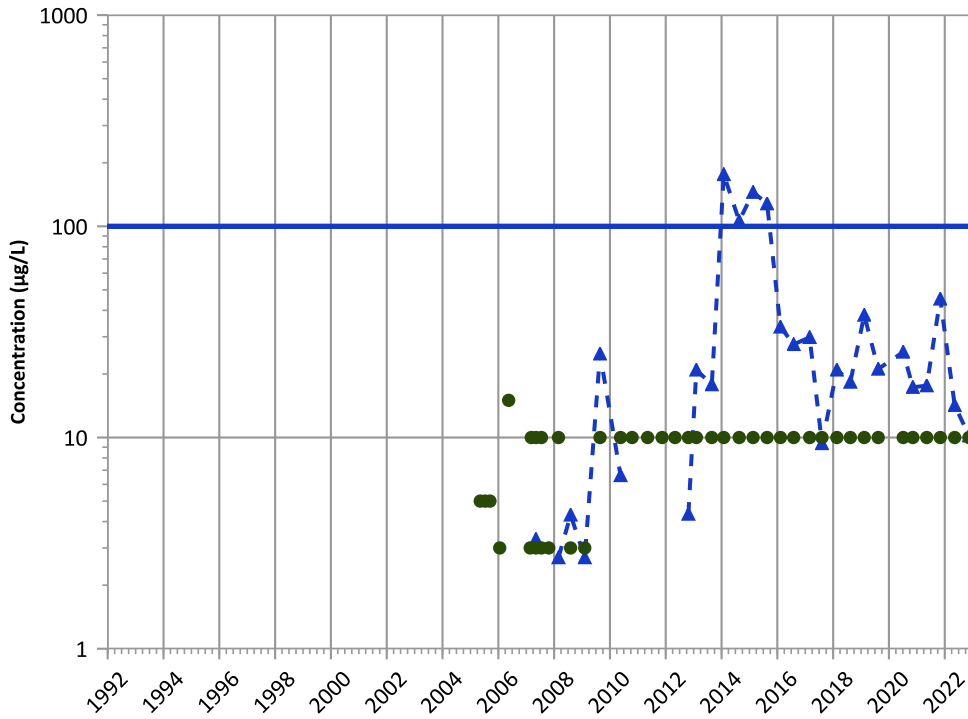


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Chromium, Total Trend

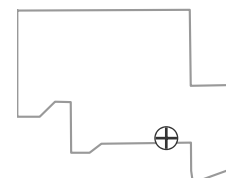


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

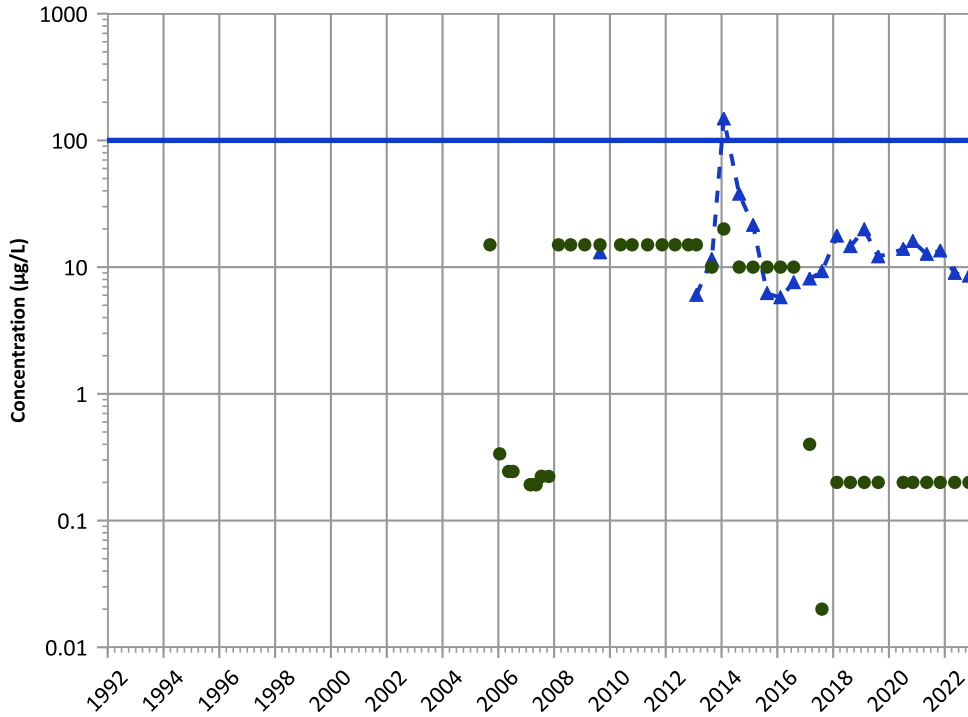
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Hexavalent Trend**

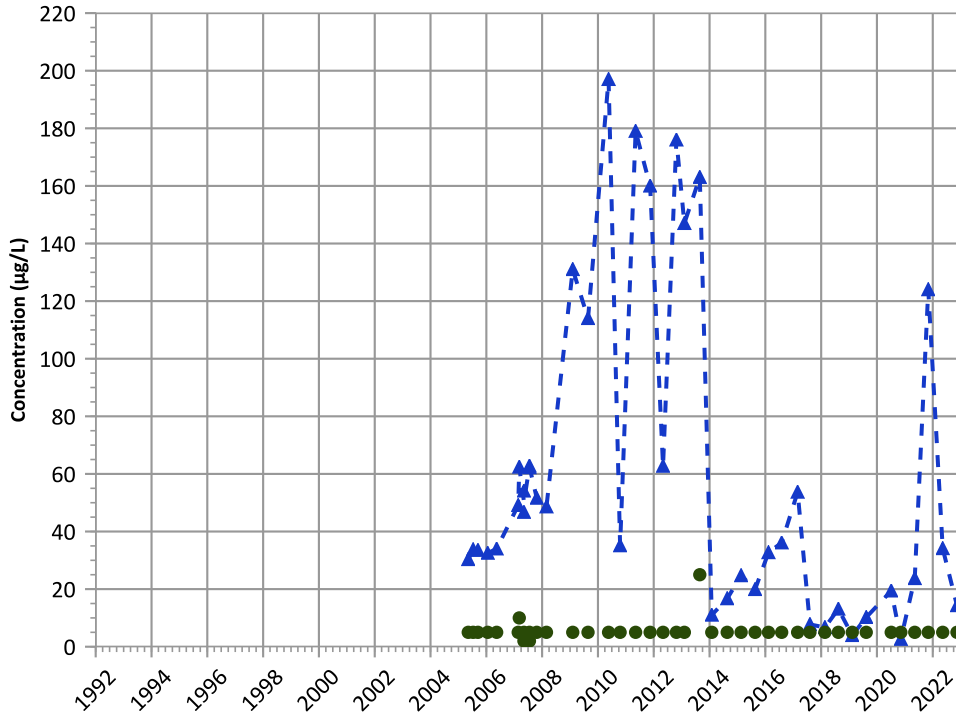


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

**Manganese Trend**

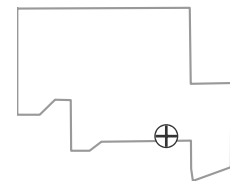


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Well Location**

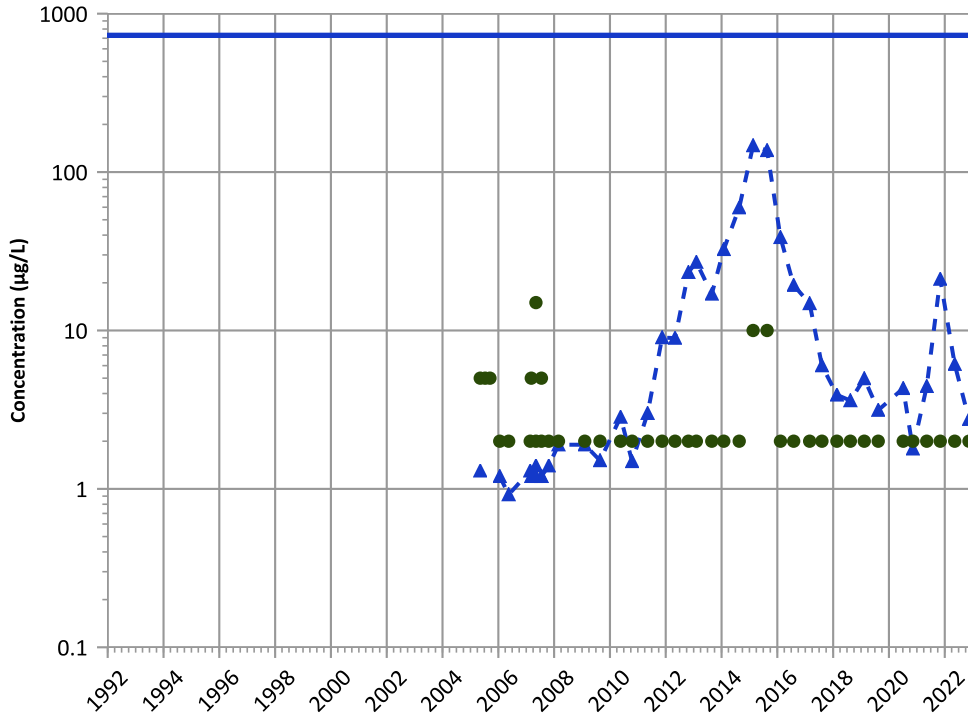


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

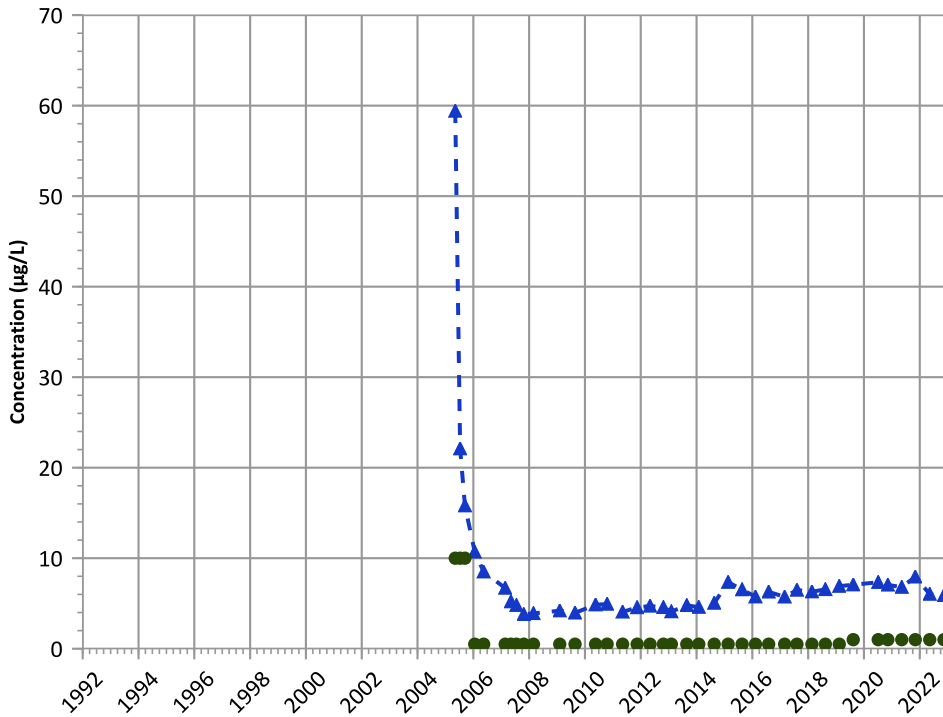


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Molybdenum Trend



Concentration Trend

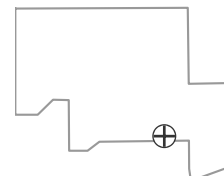
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

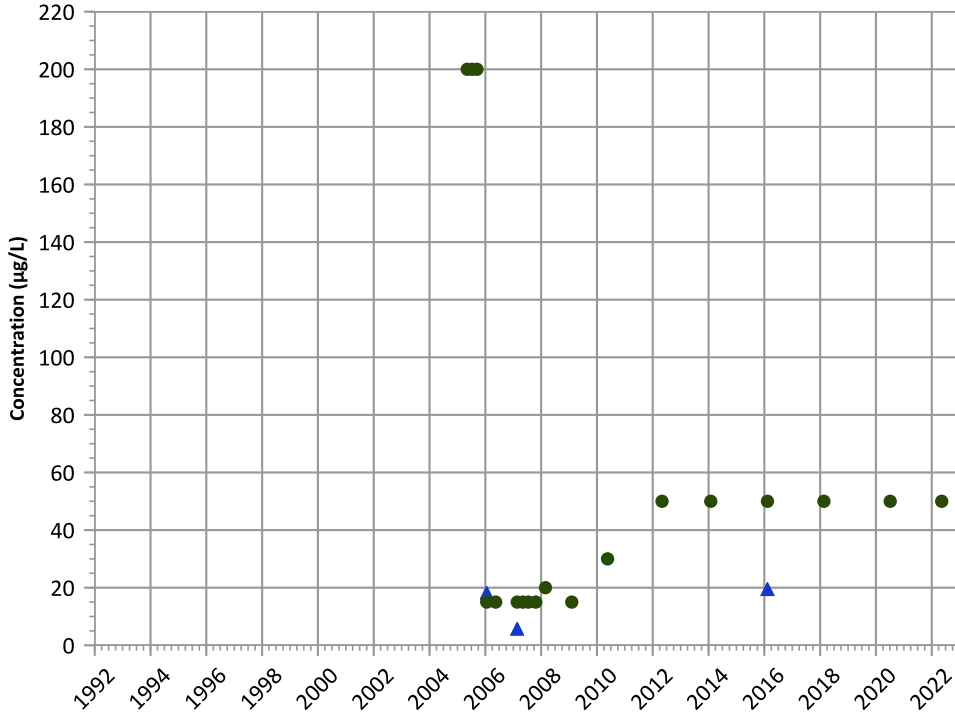
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend

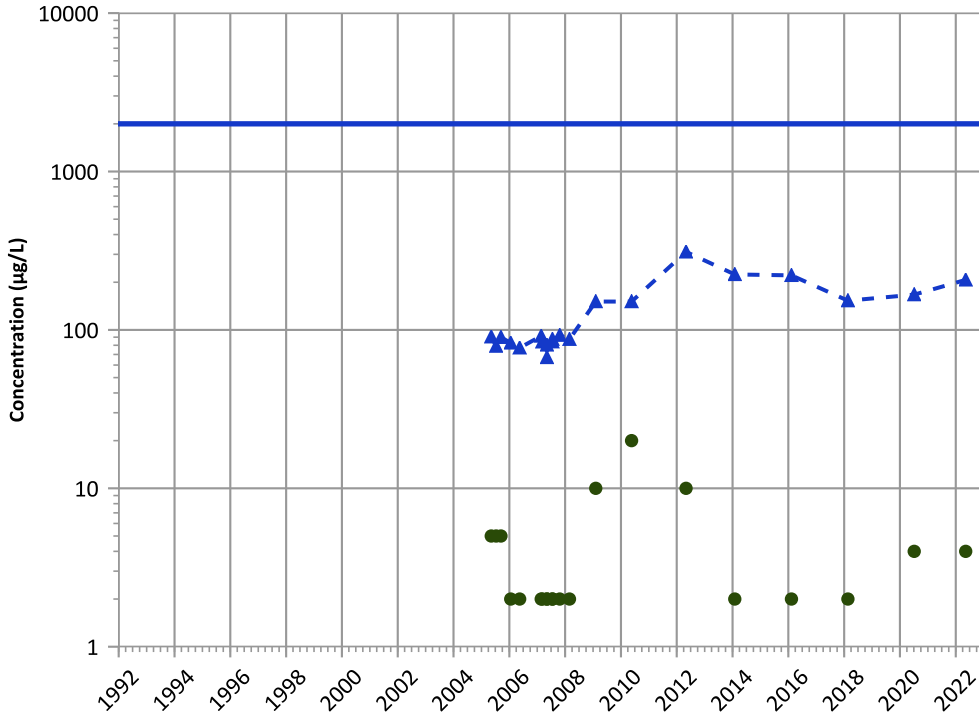


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Barium Trend



Concentration Trend

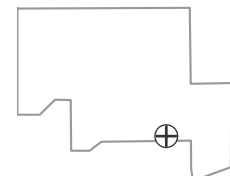
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

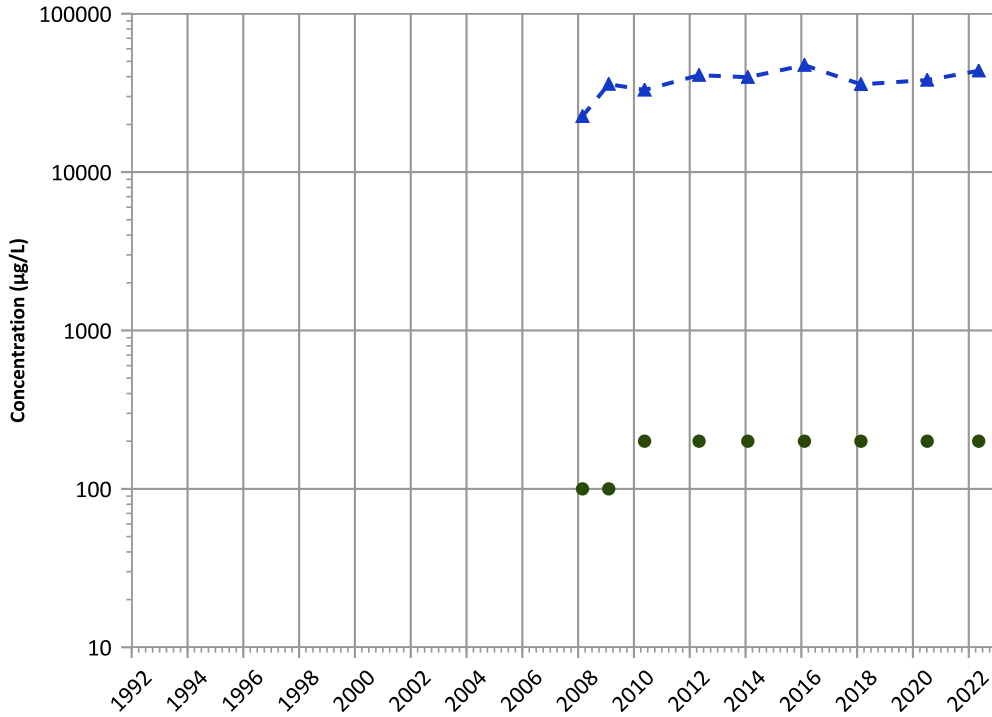
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

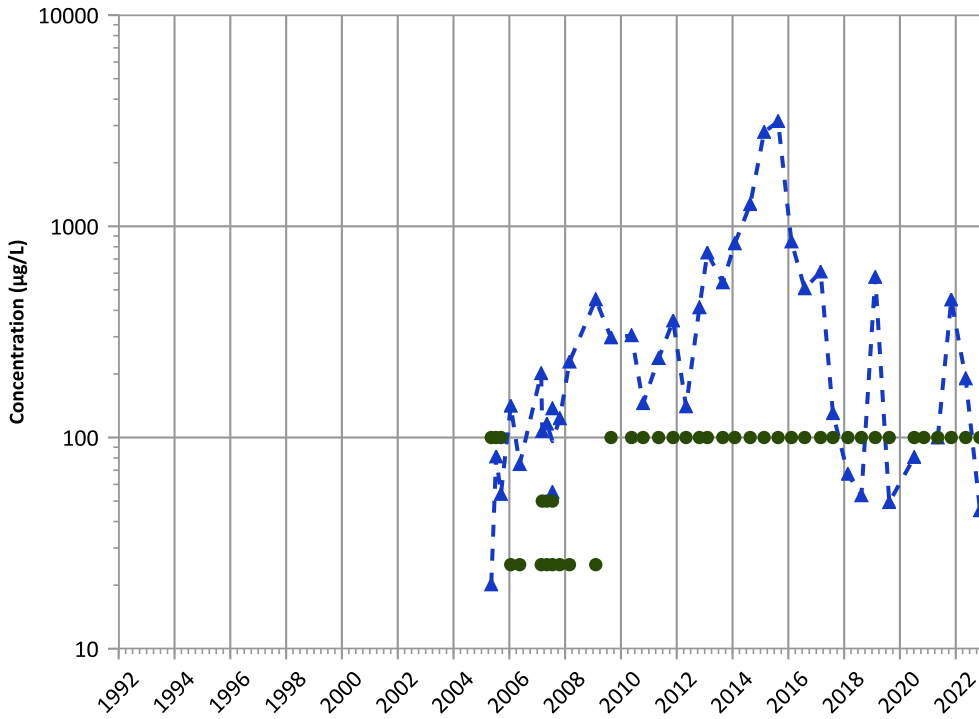
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Decreasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

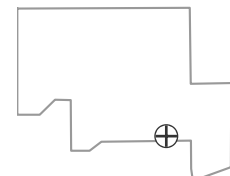
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

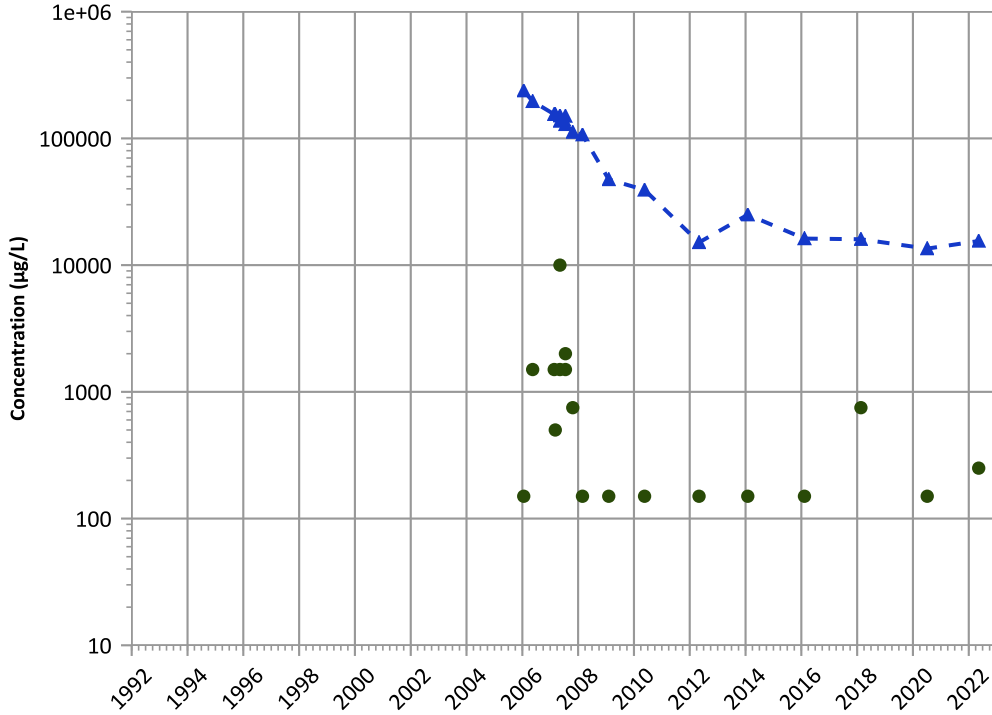


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

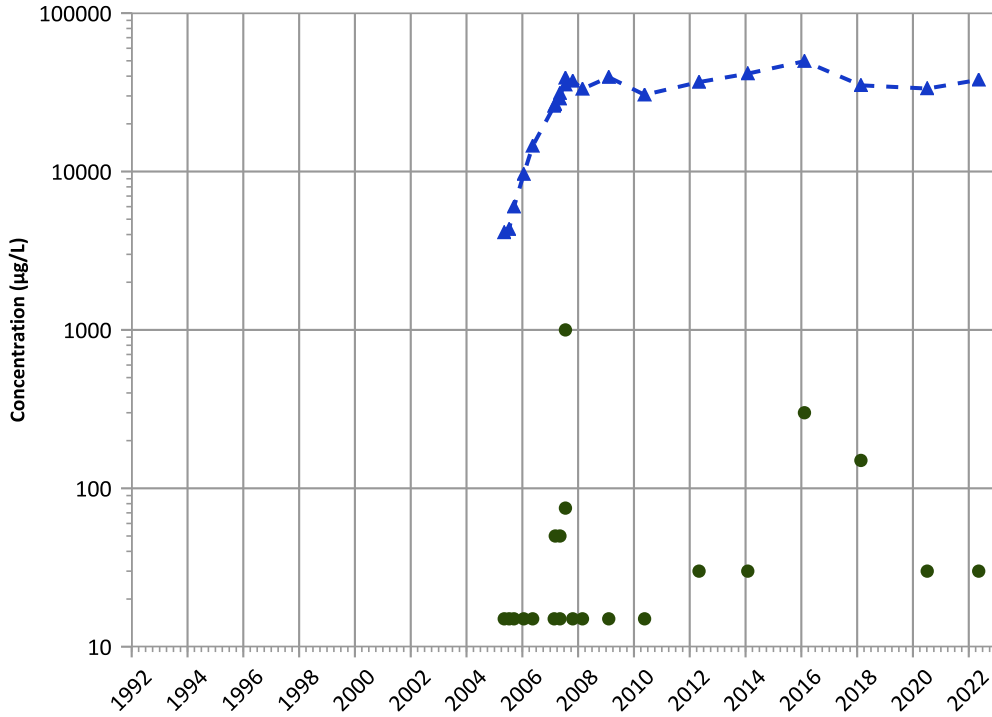


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Magnesium Trend



Concentration Trend

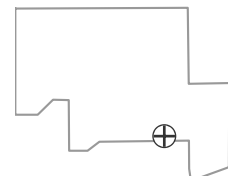
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

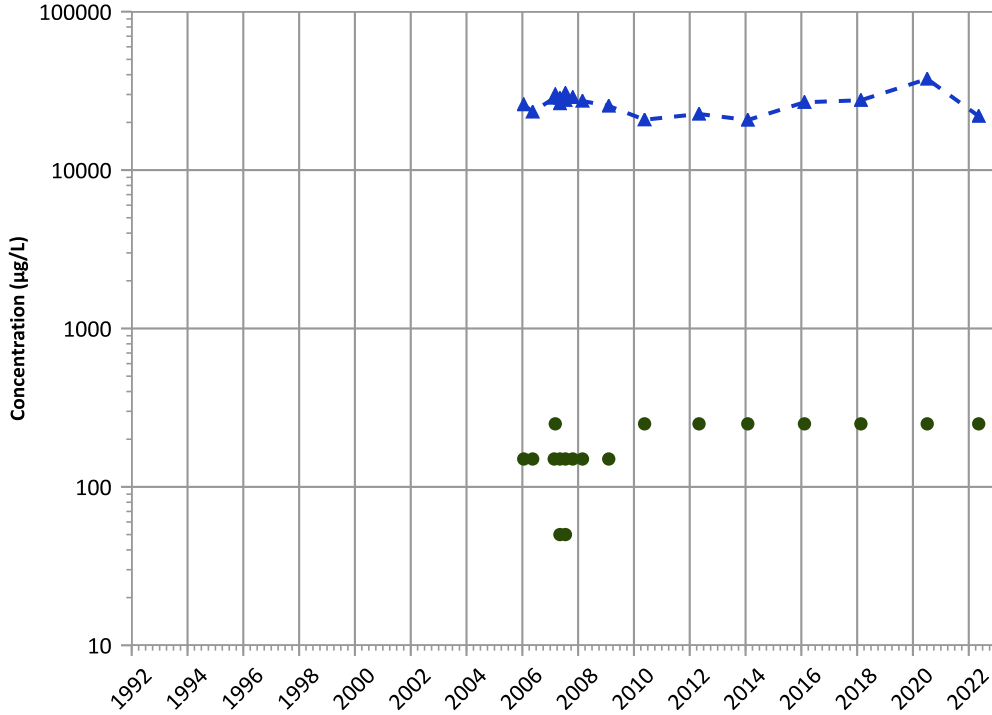
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend

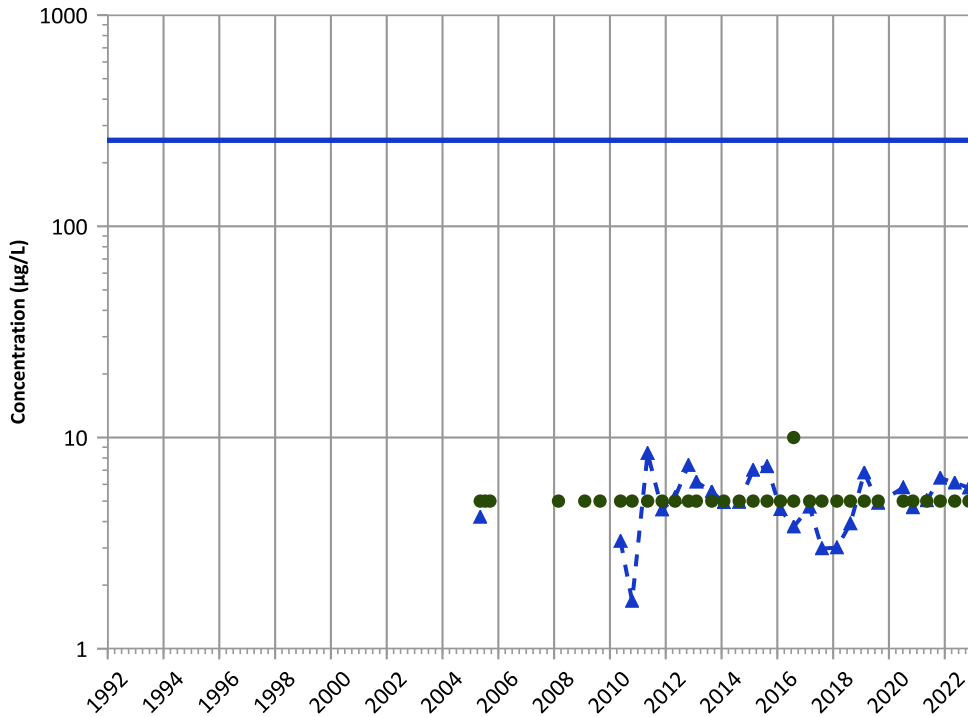


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Vanadium Trend



Concentration Trend

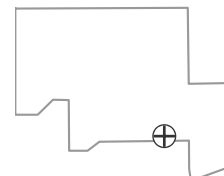
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/09/2005 to 11/14/2022  
Analysis Date: 04/27/2023

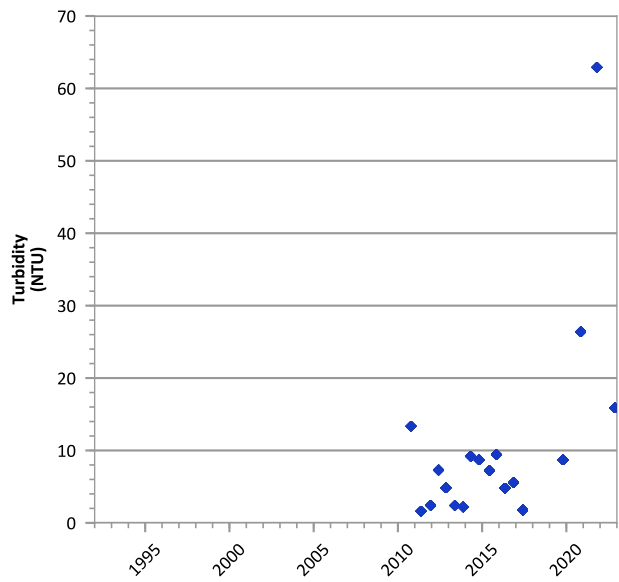
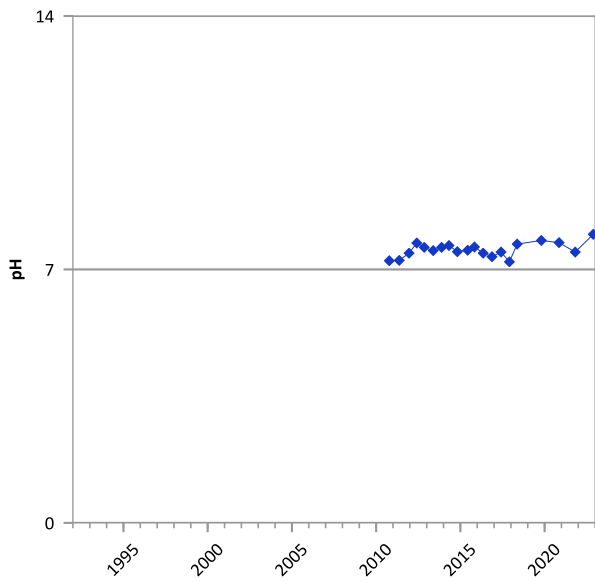
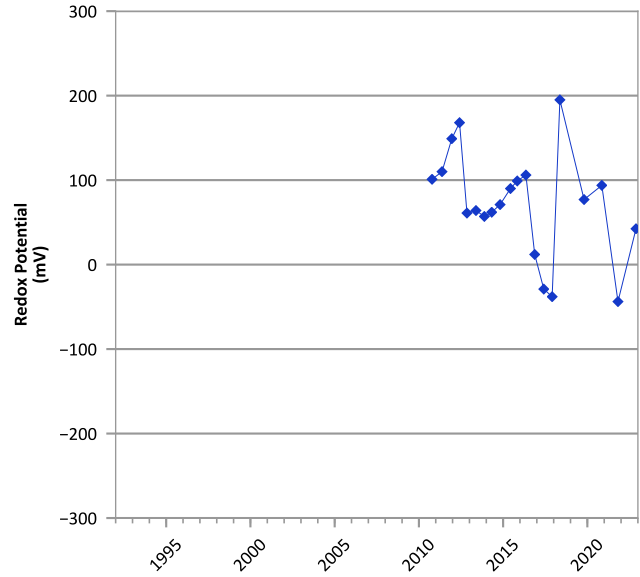
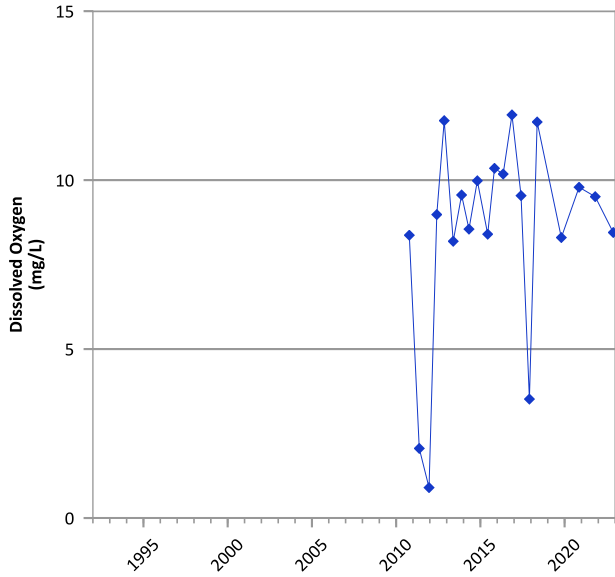
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



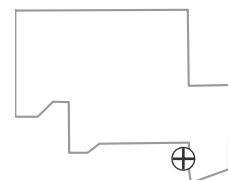


**PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



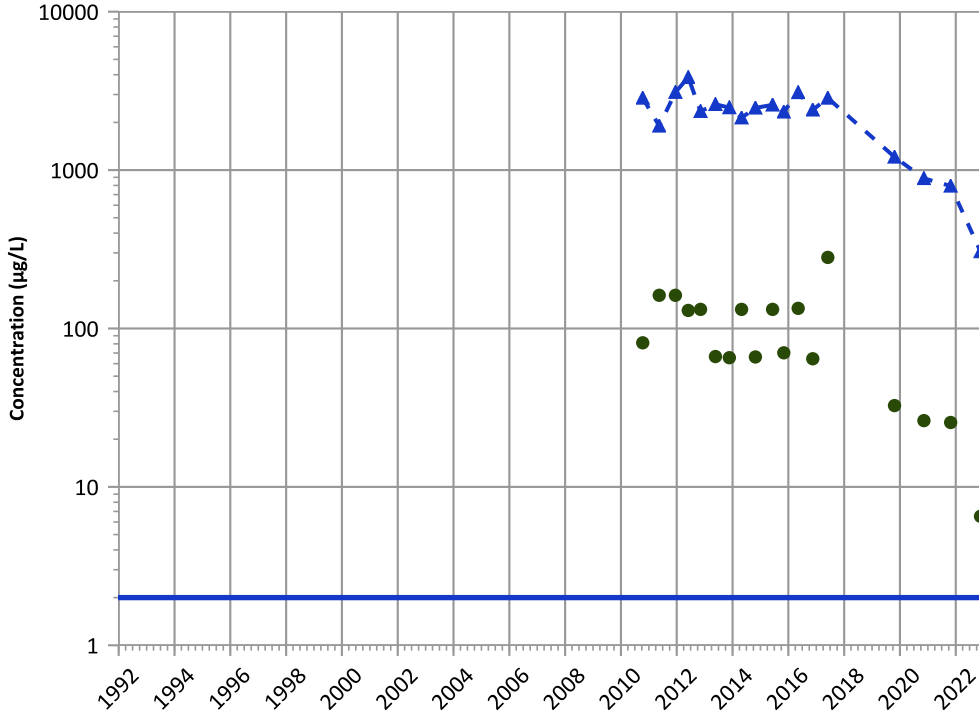
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/13/2010 to 11/21/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

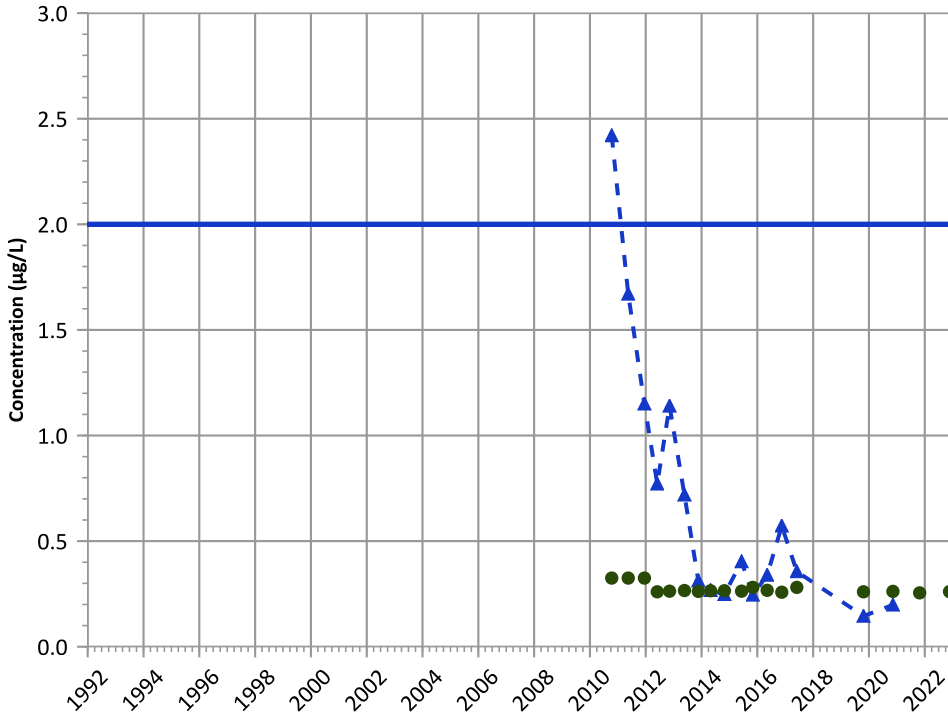
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

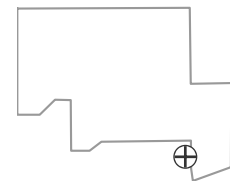
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Well Location

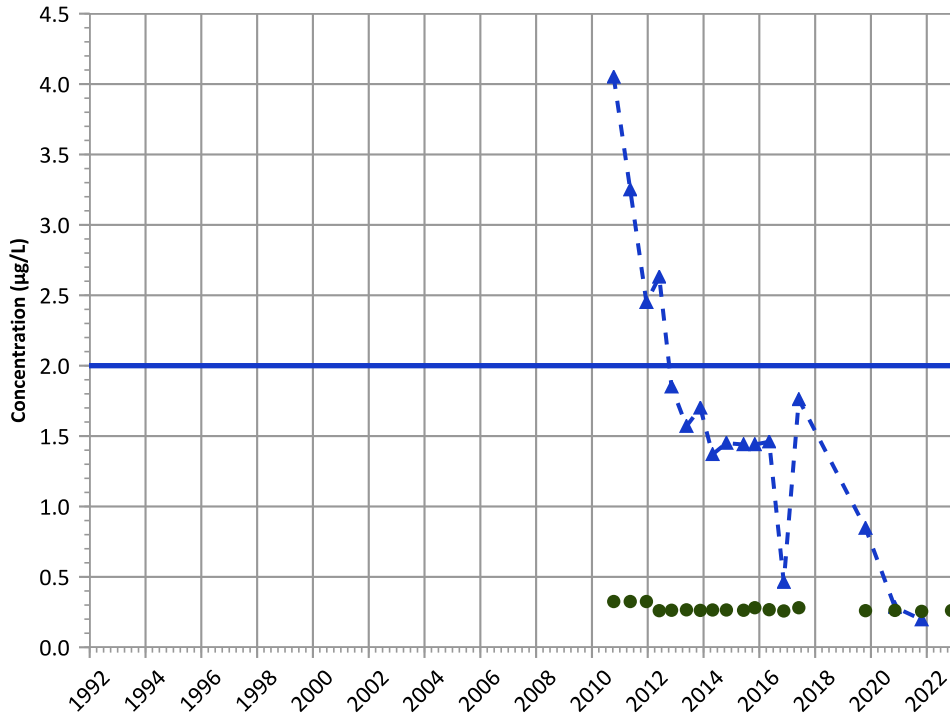


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

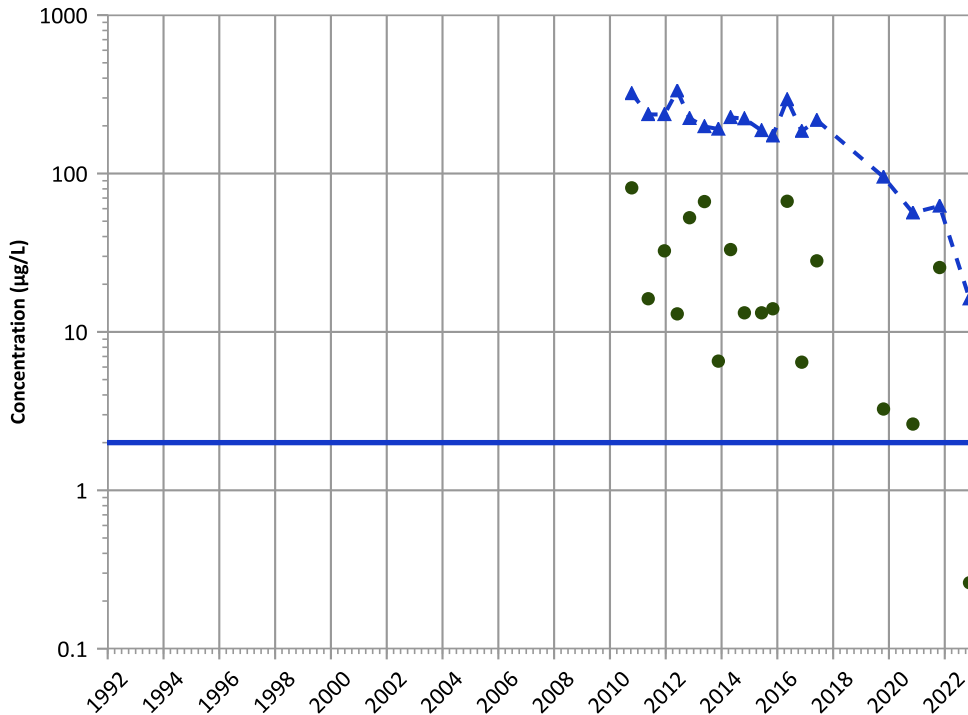


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

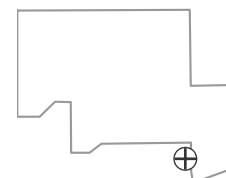
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

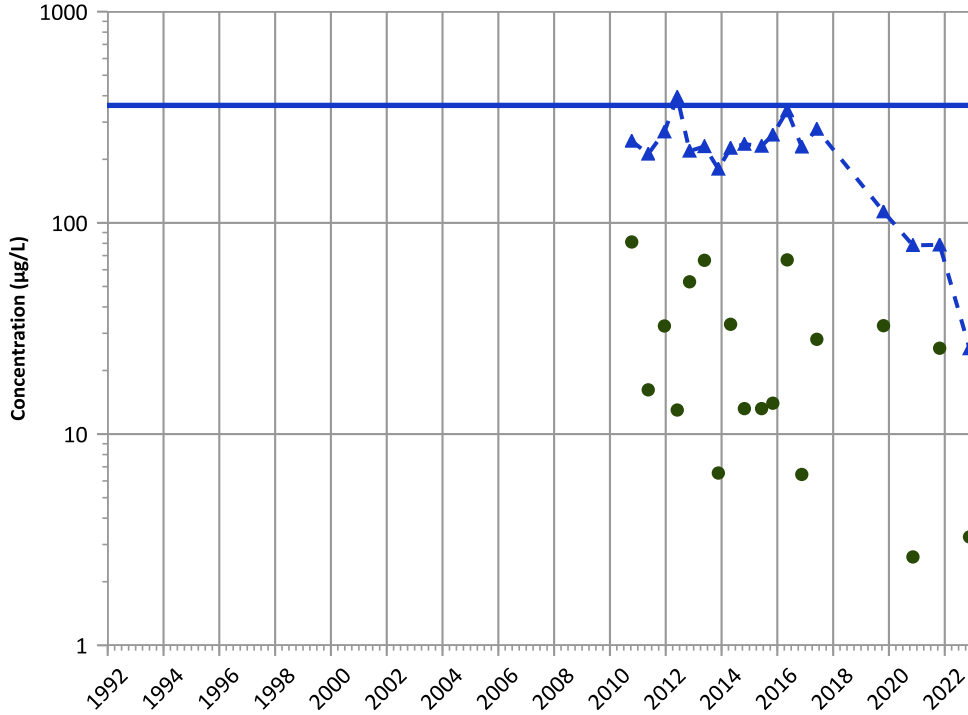
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

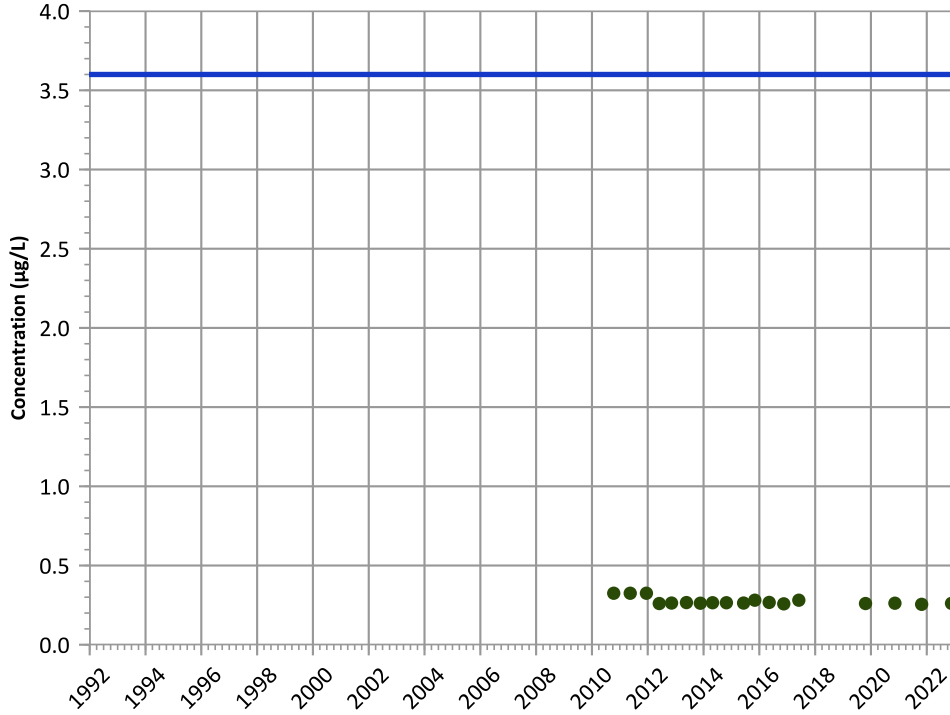
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

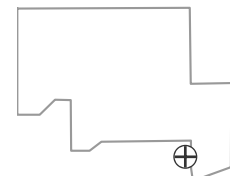
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 10/13/2010 to 11/21/2022

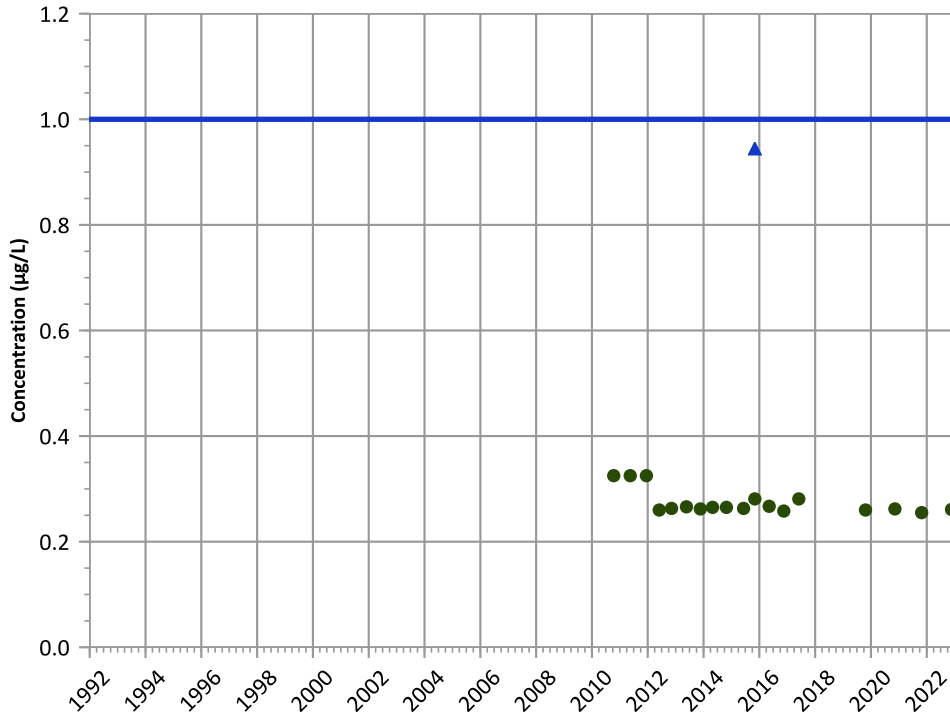
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

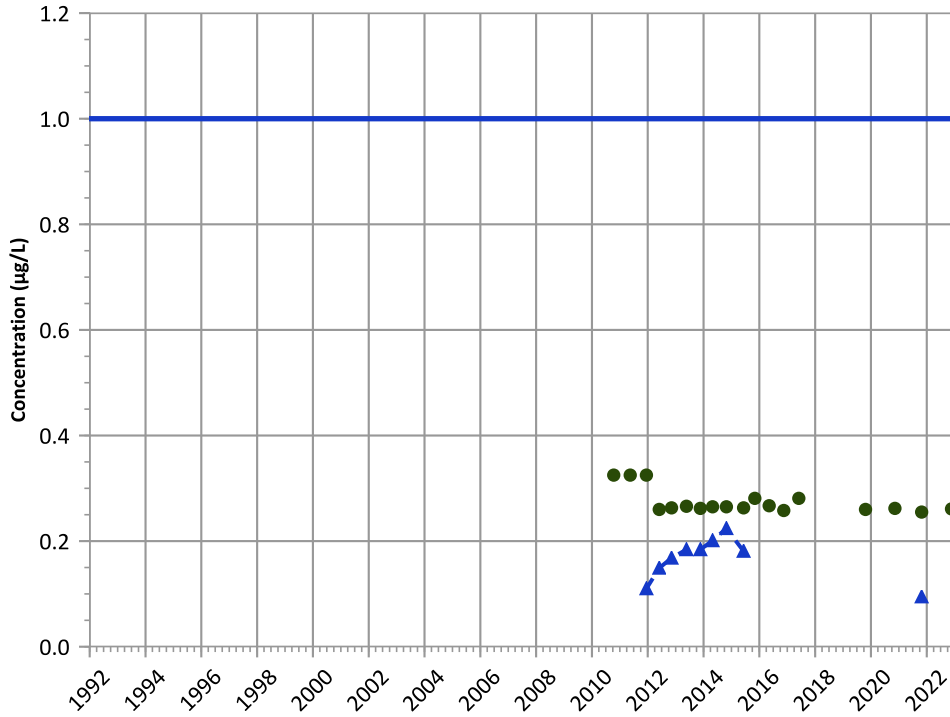


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**2,6-Dinitrotoluene Trend**

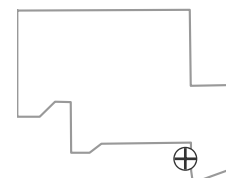


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

**Well Location**

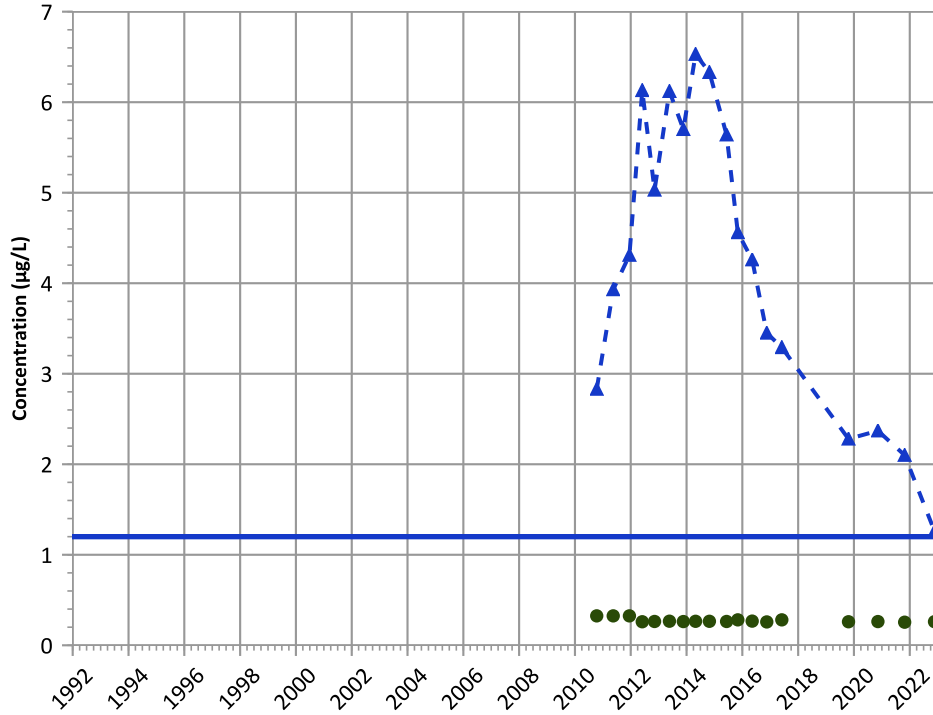


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

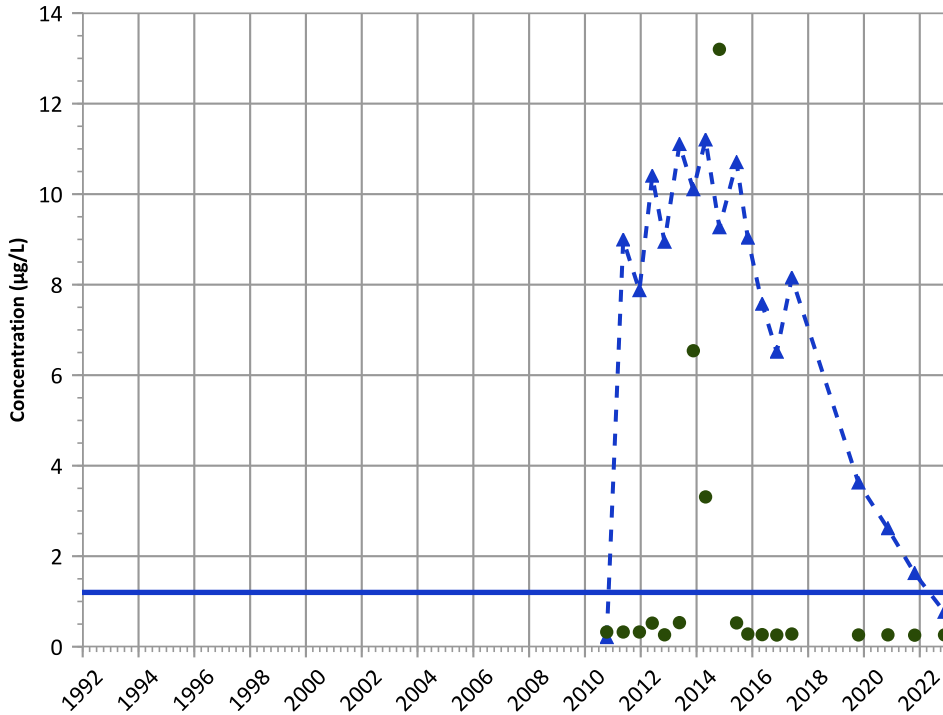


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

4-Amino-2,6-Dinitrotoluene Trend

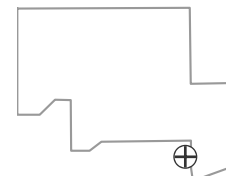


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Well Location

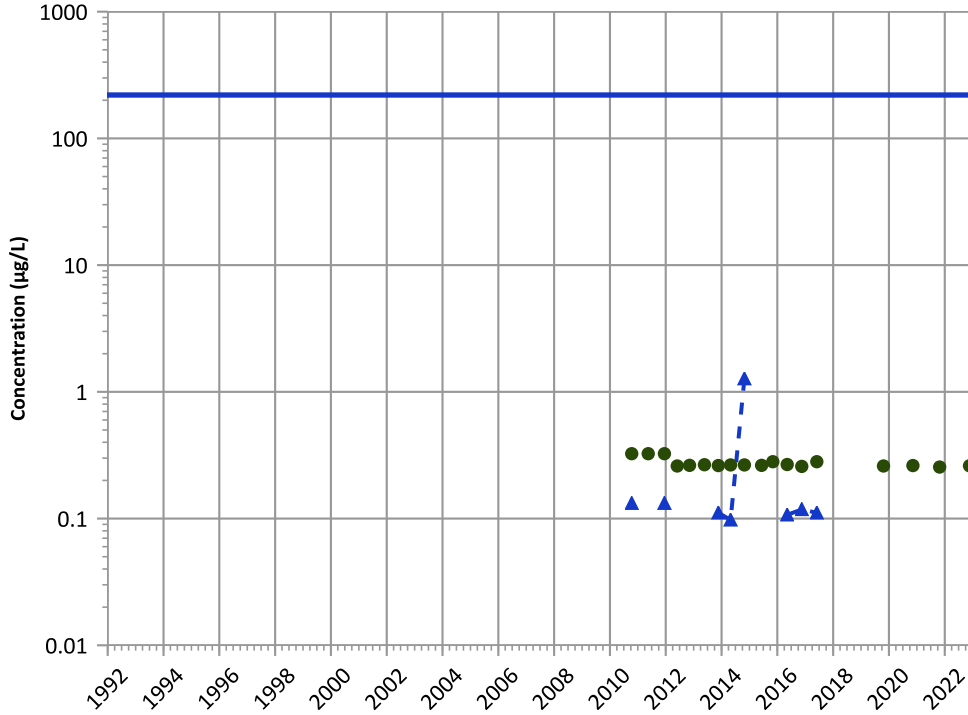


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

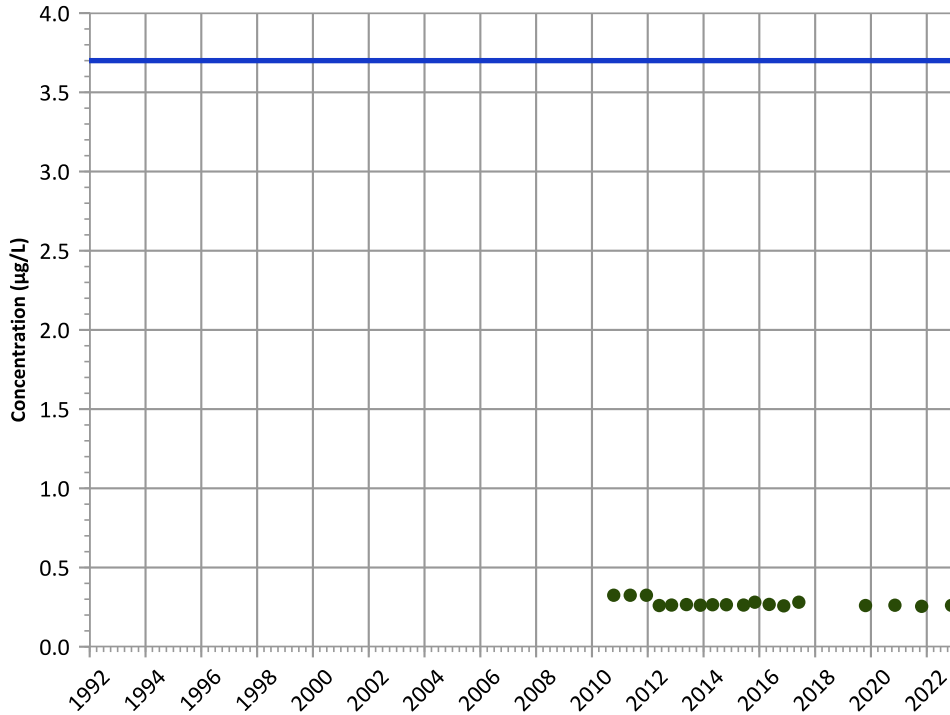


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

1,3-Dinitrobenzene Trend



Concentration Trend

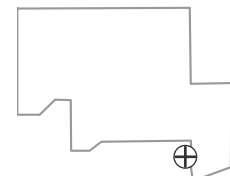
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

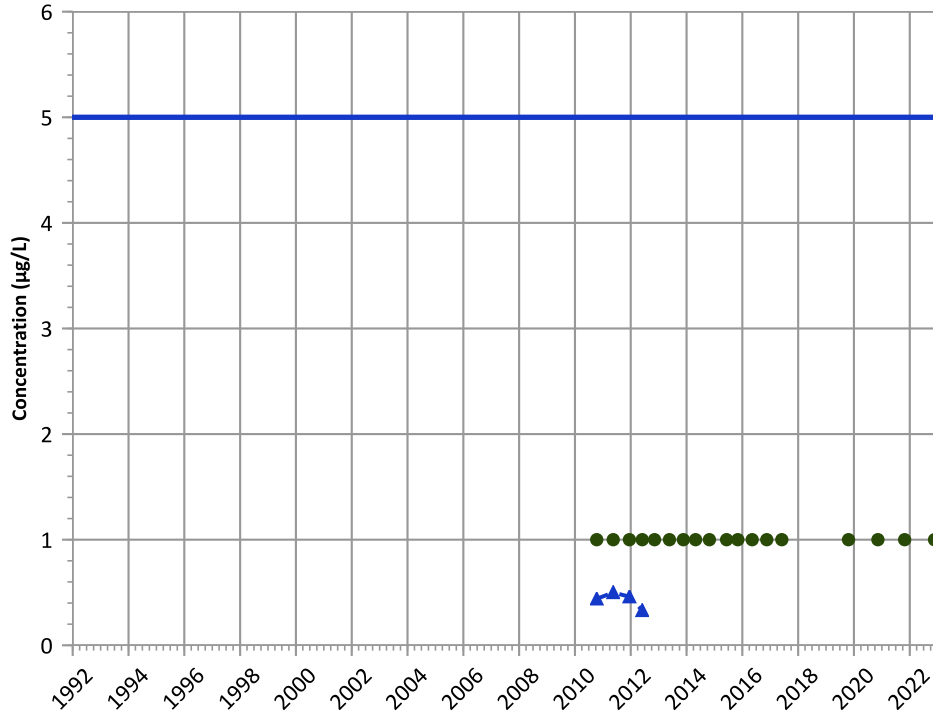
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

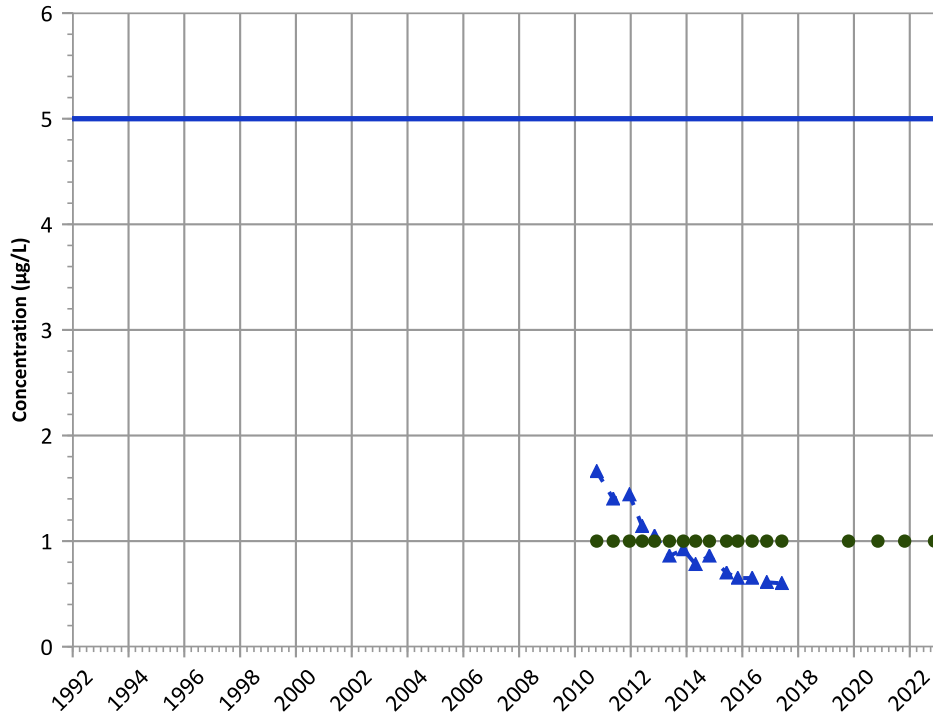


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

**Trichloroethene Trend**

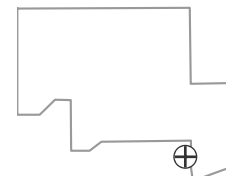


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Well Location**

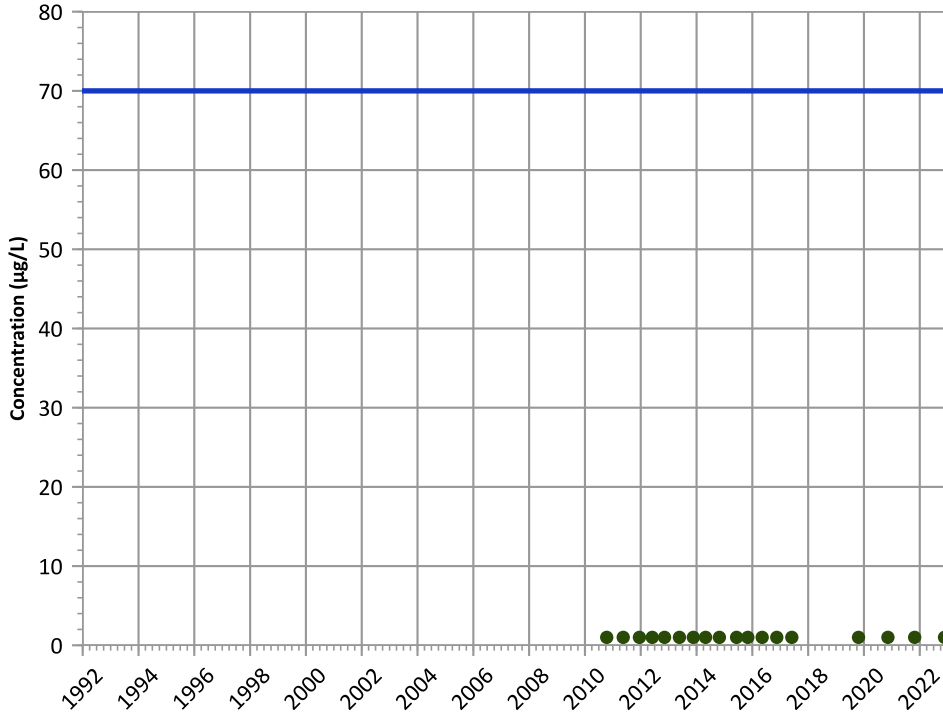


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

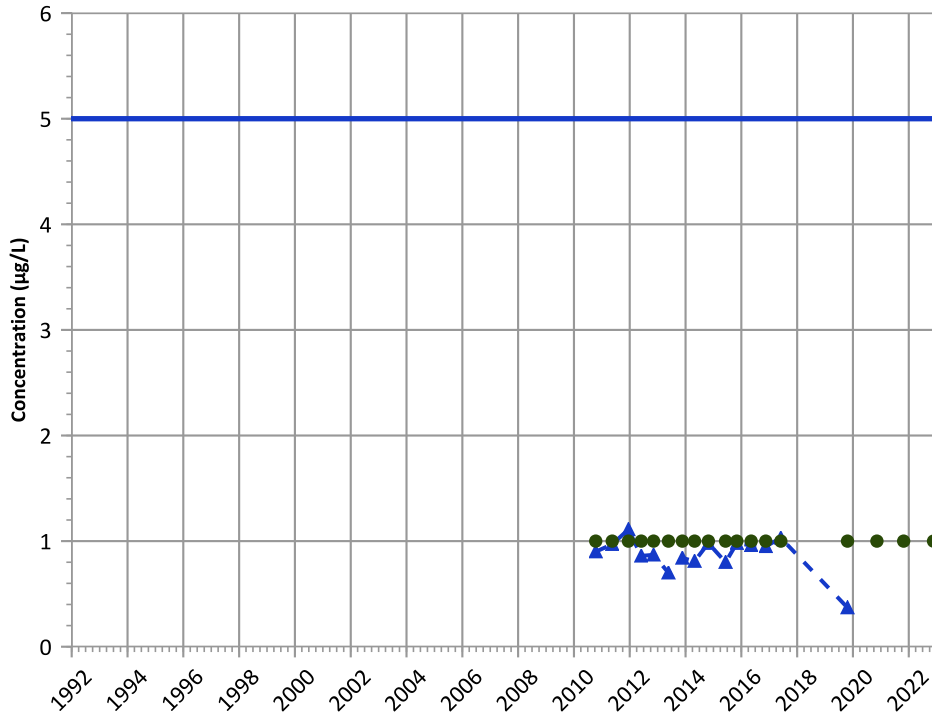
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

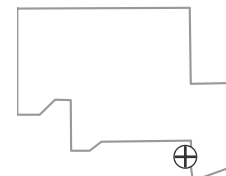
2020 - 2022 Data:

Stable

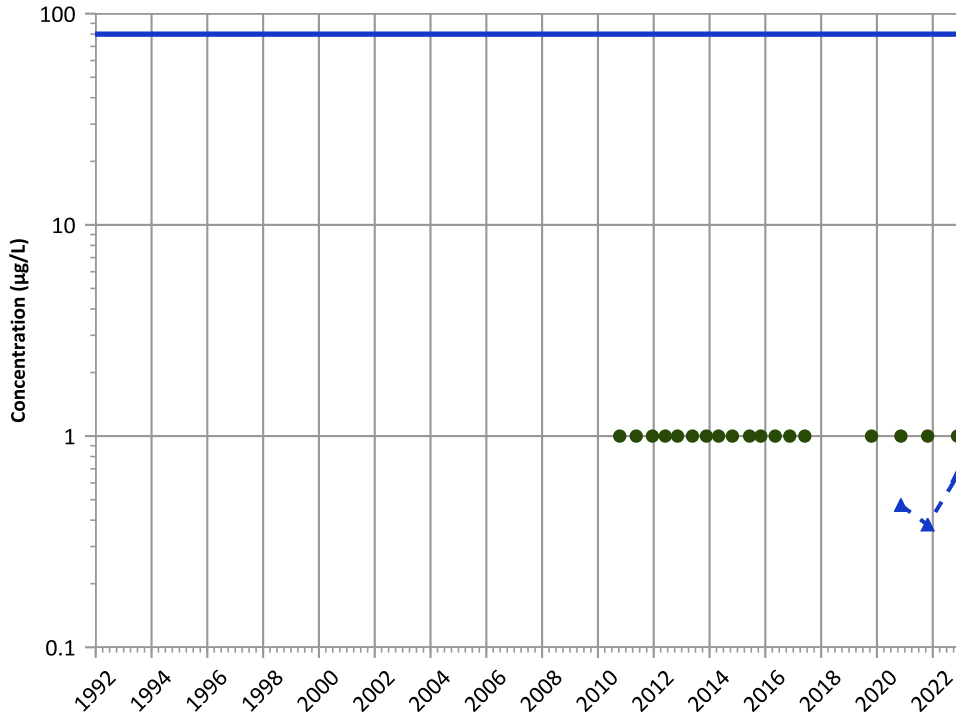
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

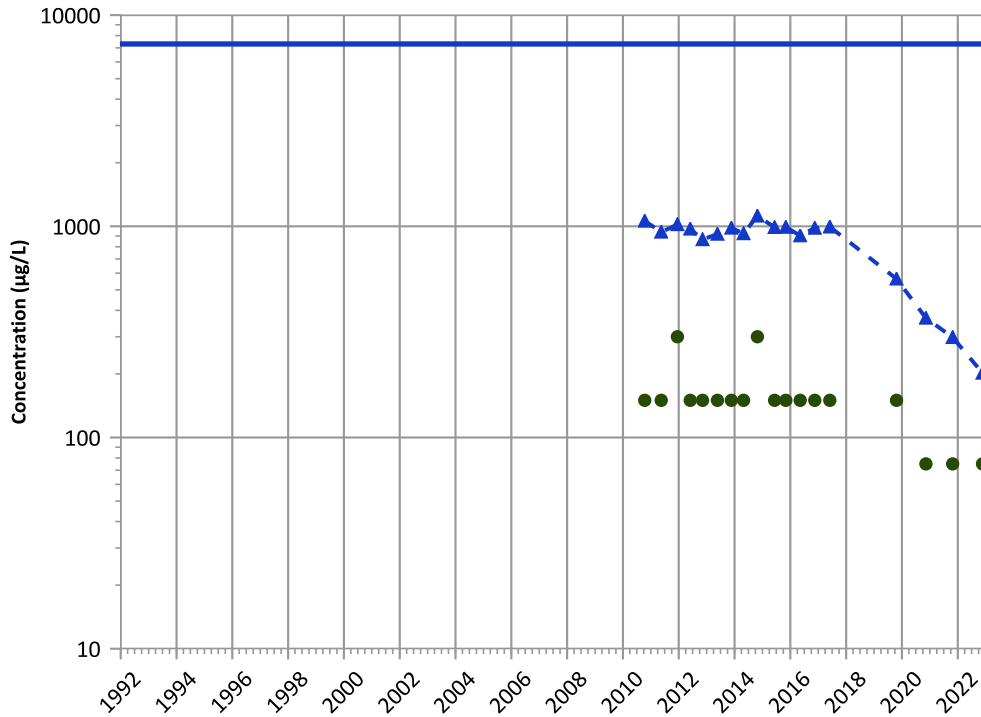


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

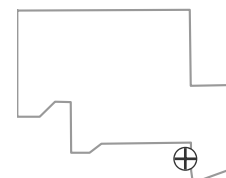
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

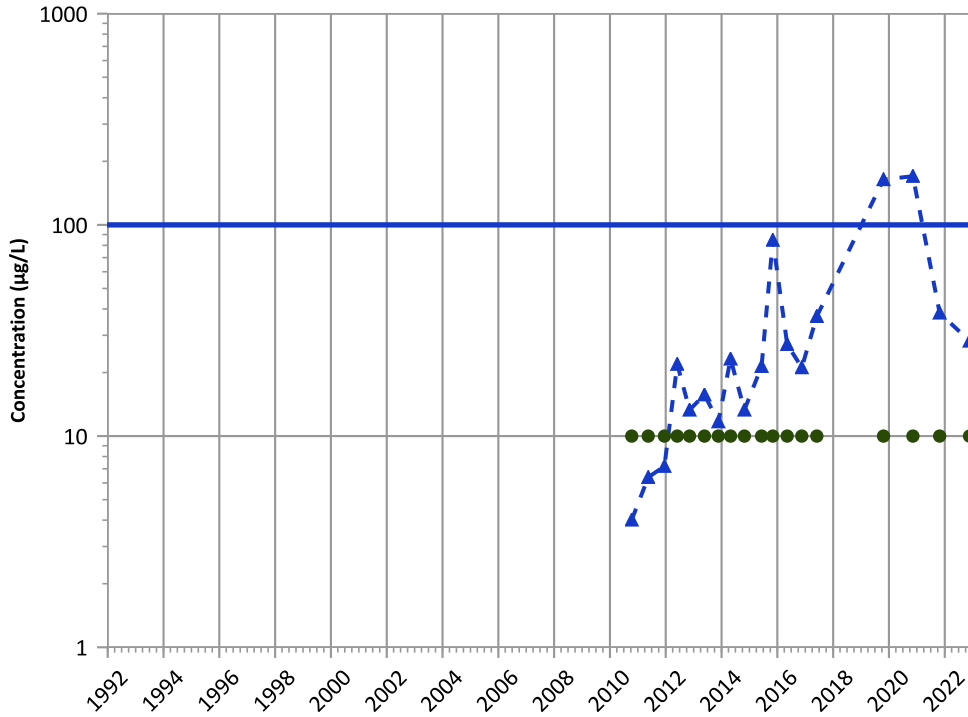
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

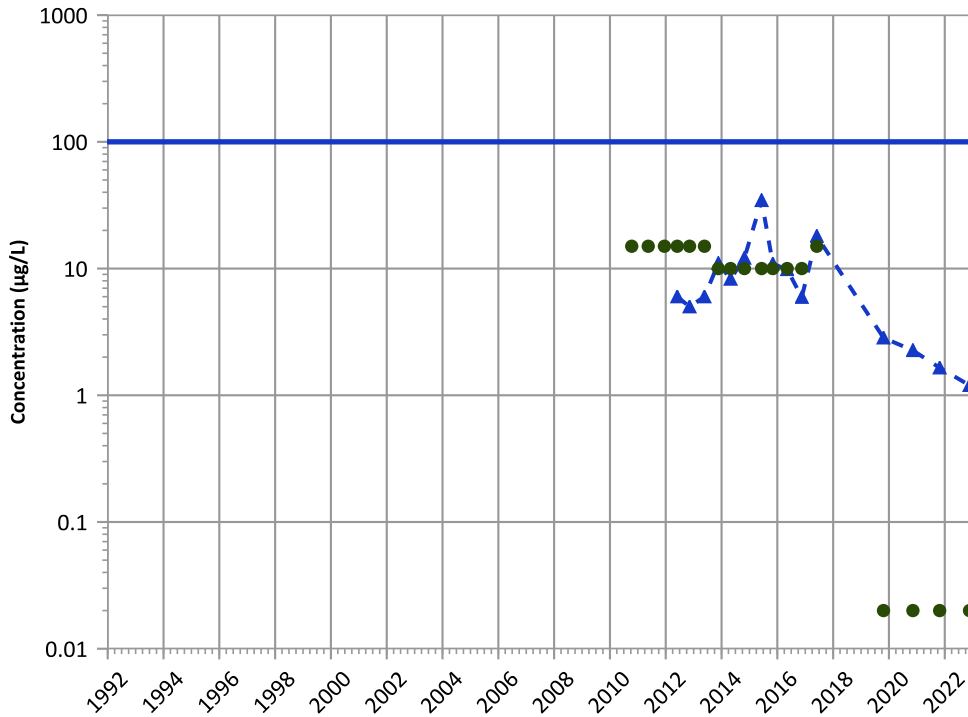


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

**Chromium, Hexavalent Trend**

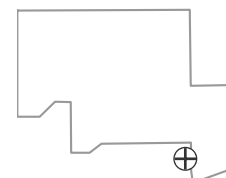


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Well Location**

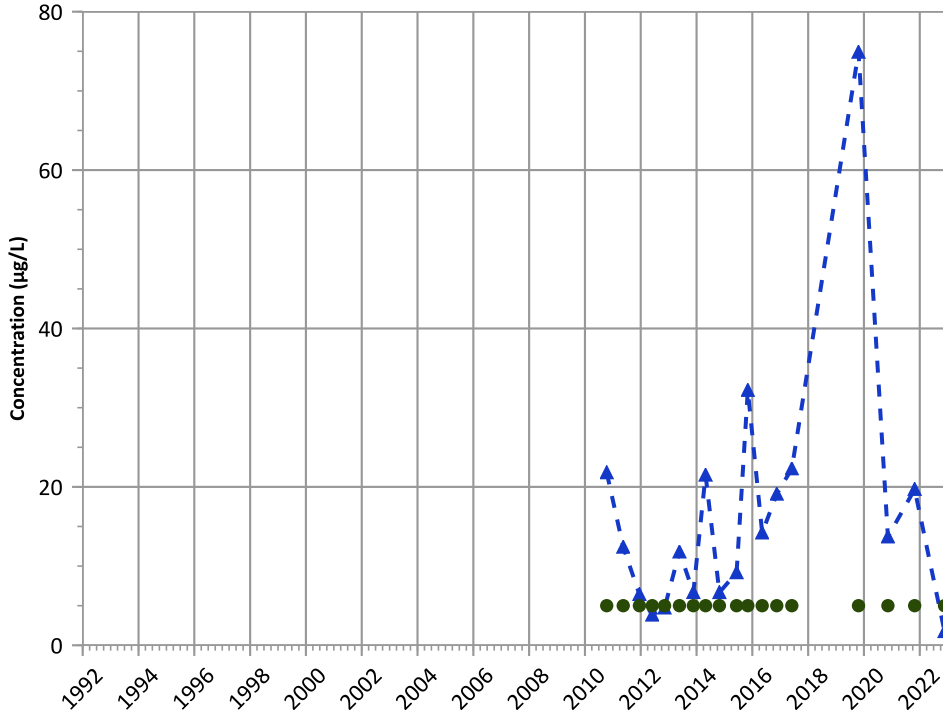


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

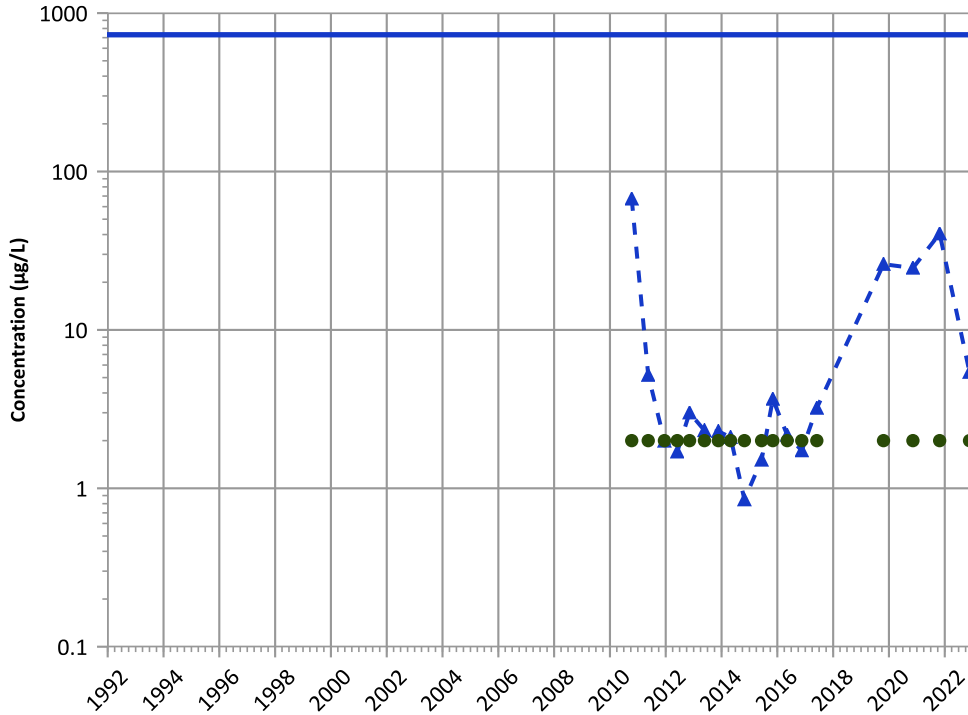
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Decreasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

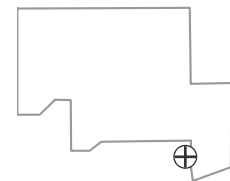
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Stable

Well Location

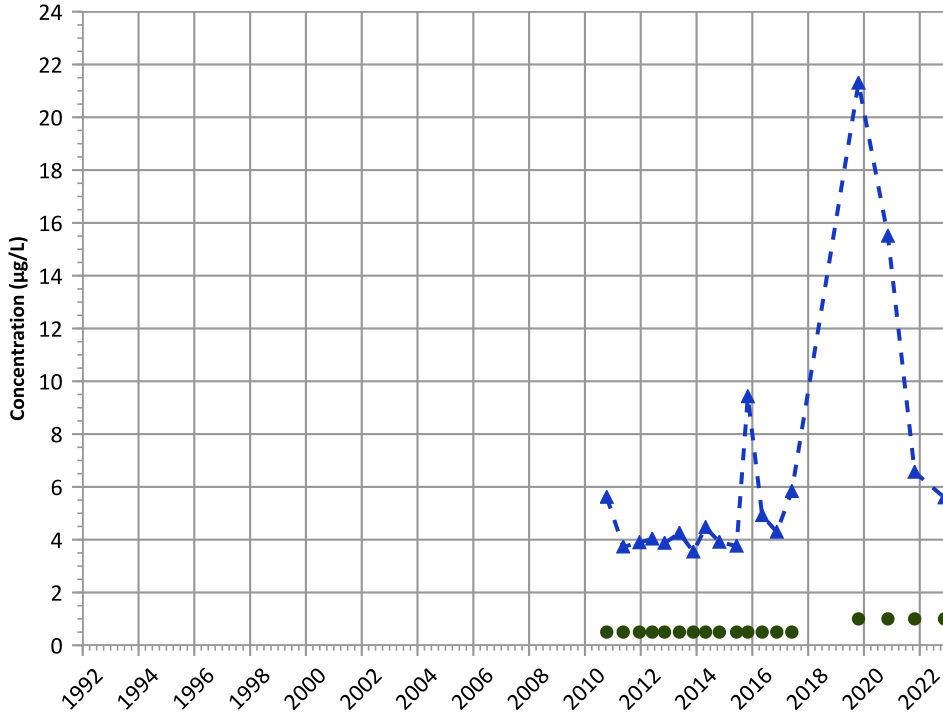


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

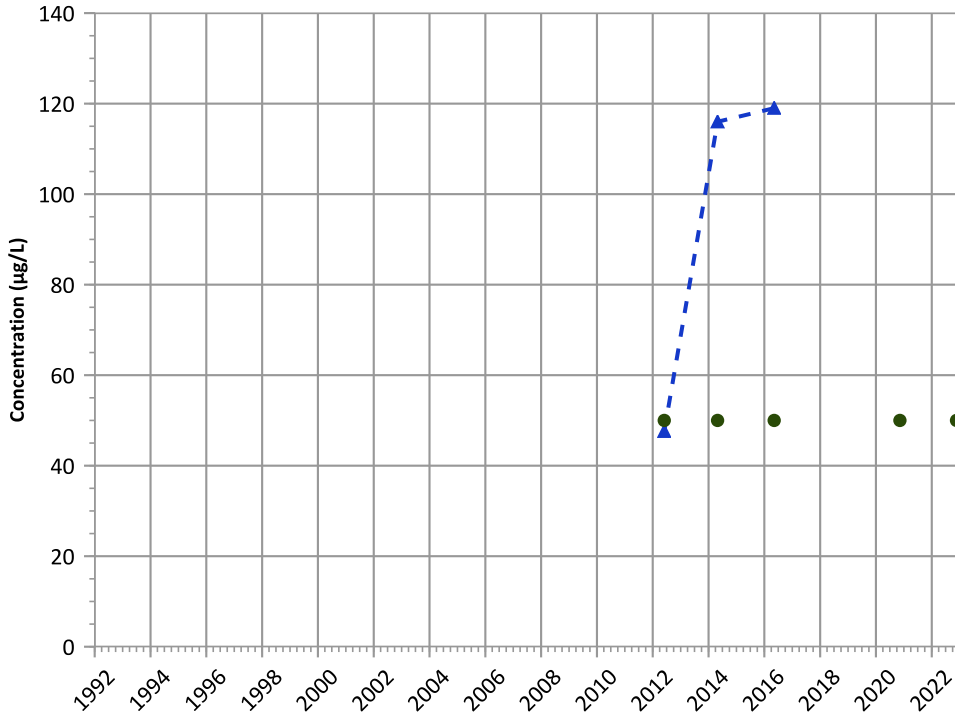


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Aluminum Trend



Concentration Trend

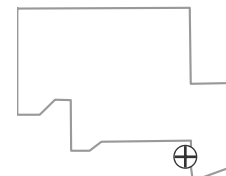
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

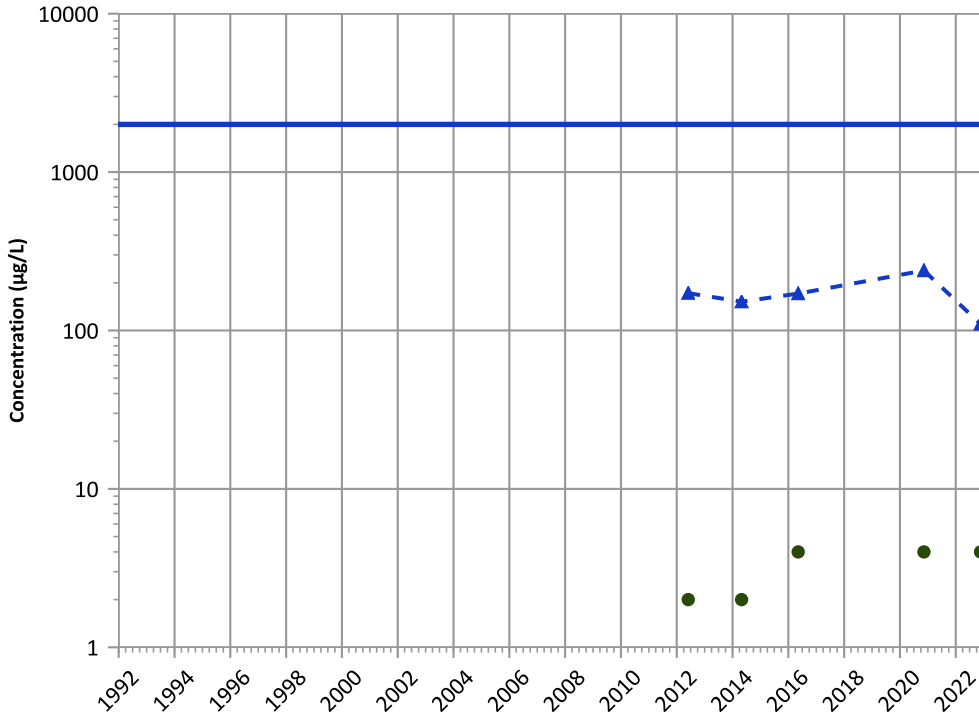
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

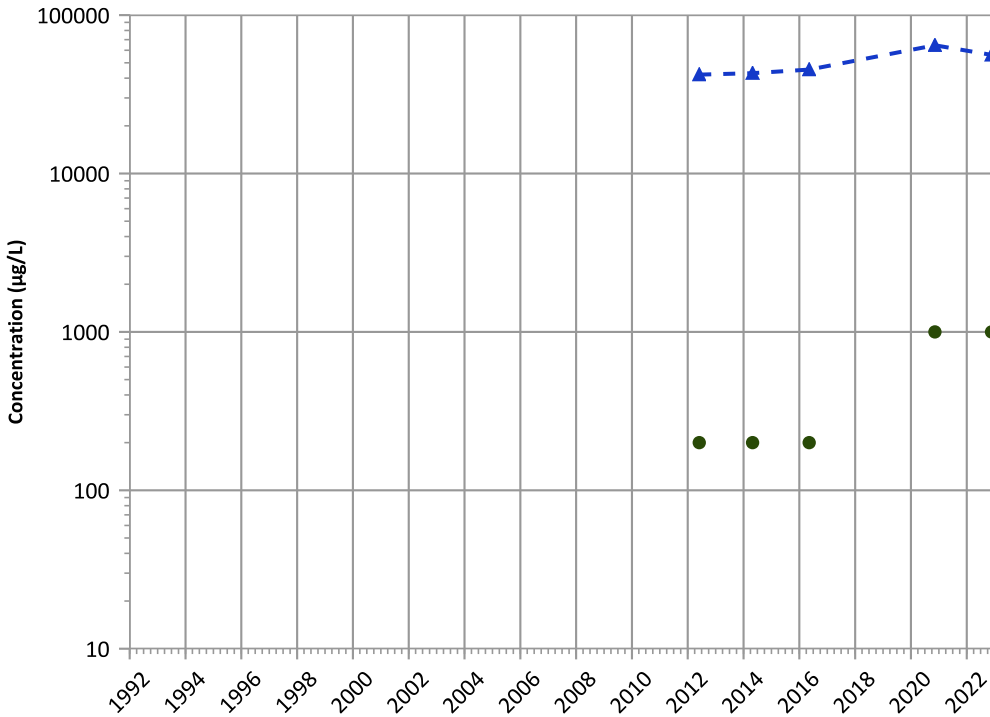


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Calcium Trend



Concentration Trend

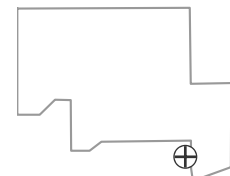
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

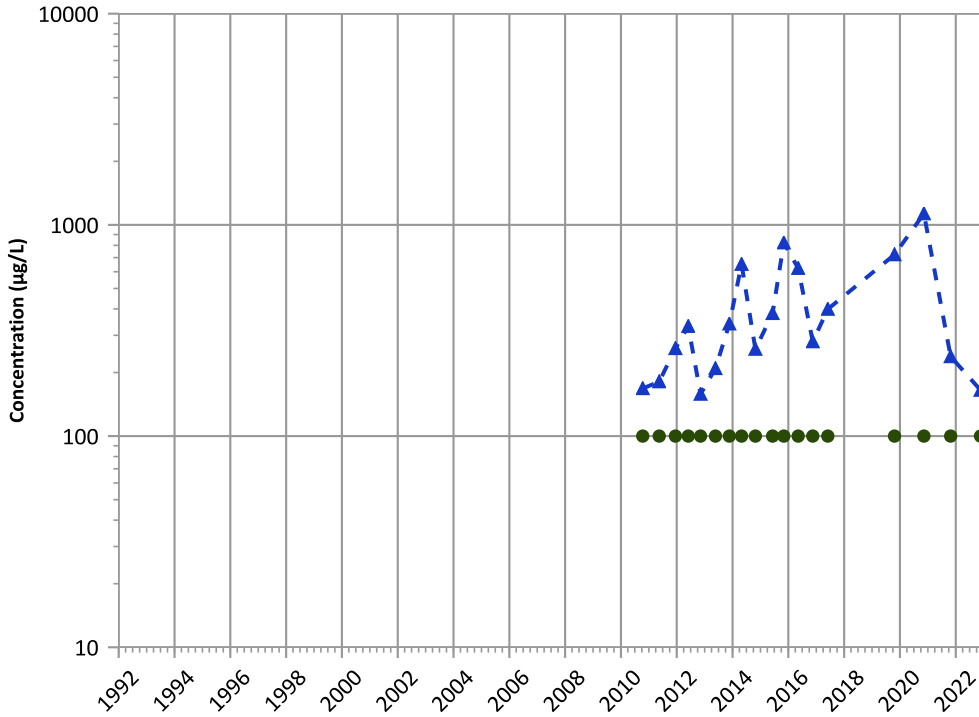
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

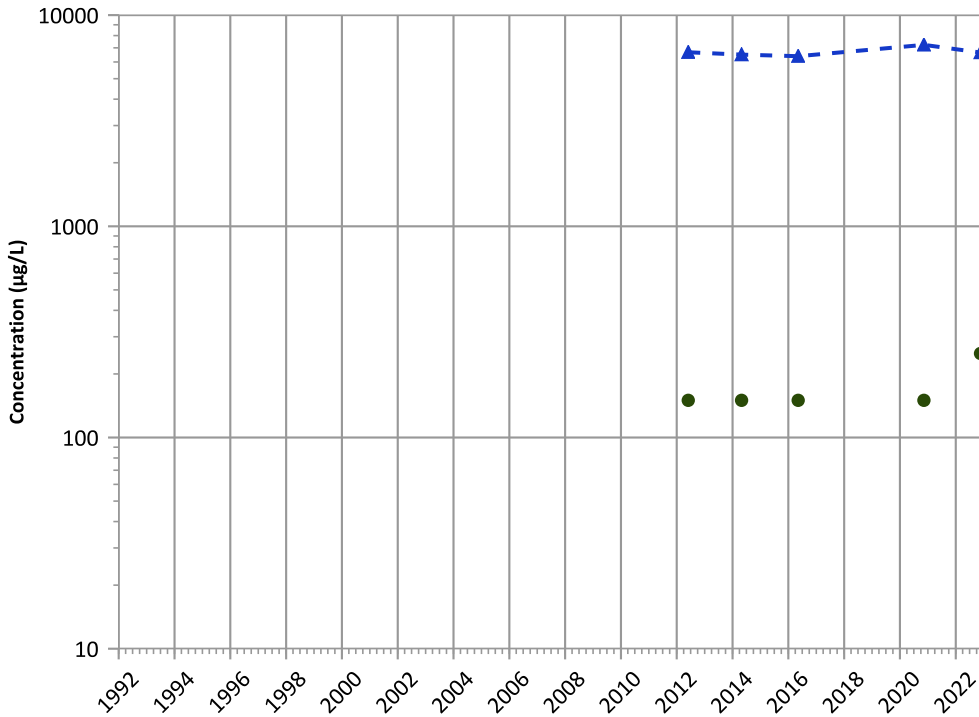
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Probably Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

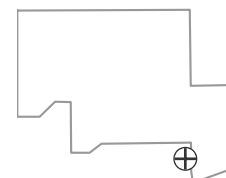
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Well Location

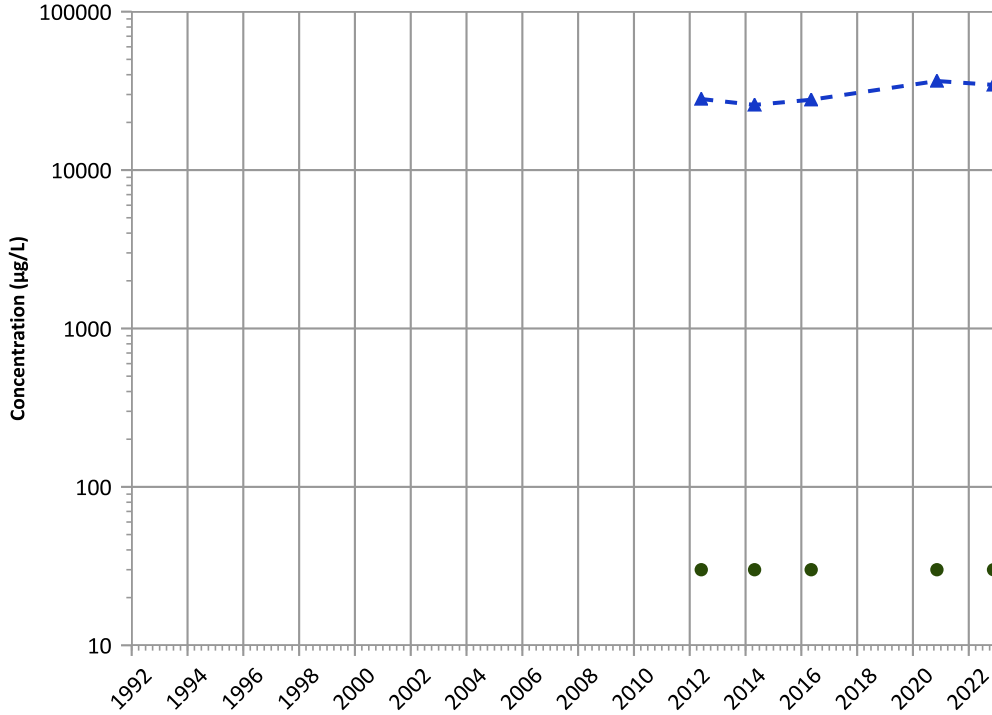


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1120 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

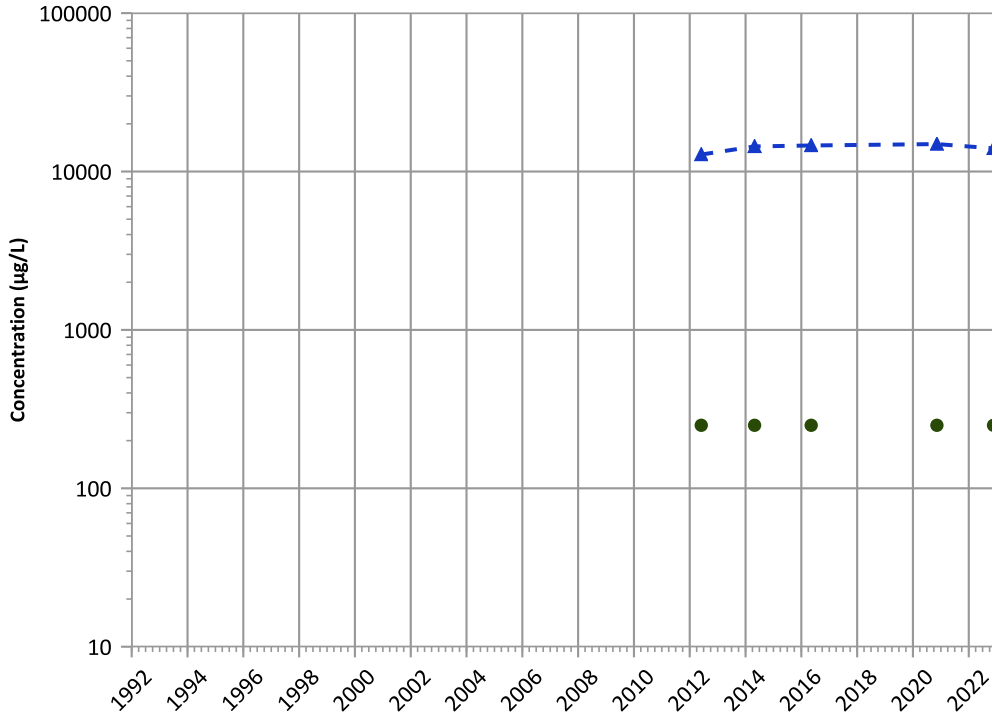


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Sodium Trend

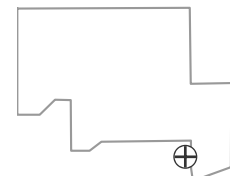


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

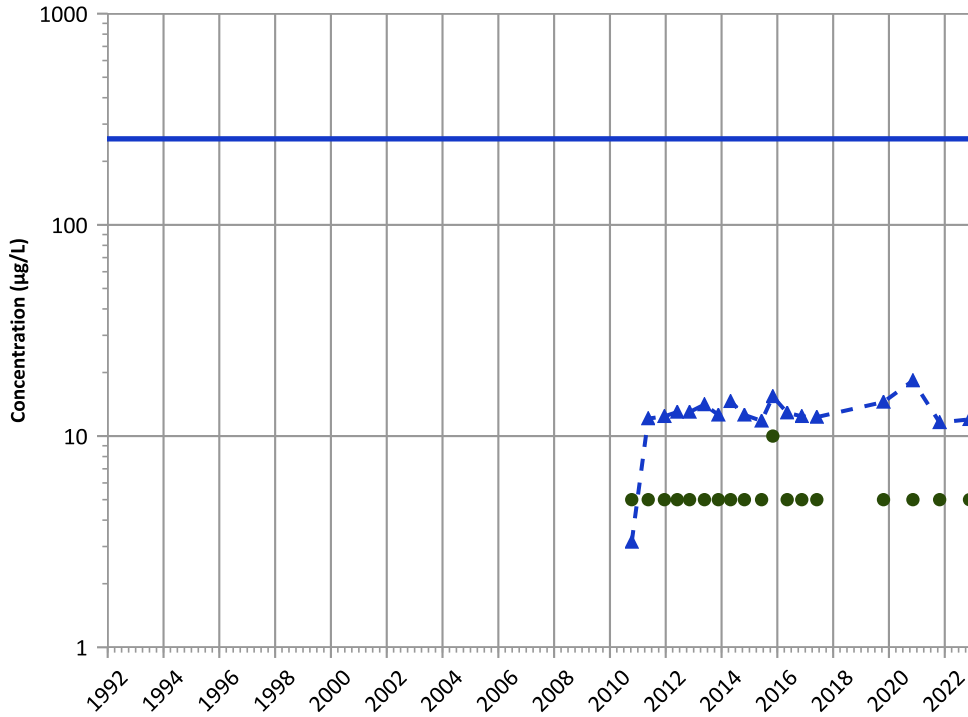


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/2010 to 11/21/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1120 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

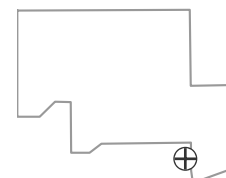
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Probably Increasing  
 2020 - 2022 Data:  
 Stable

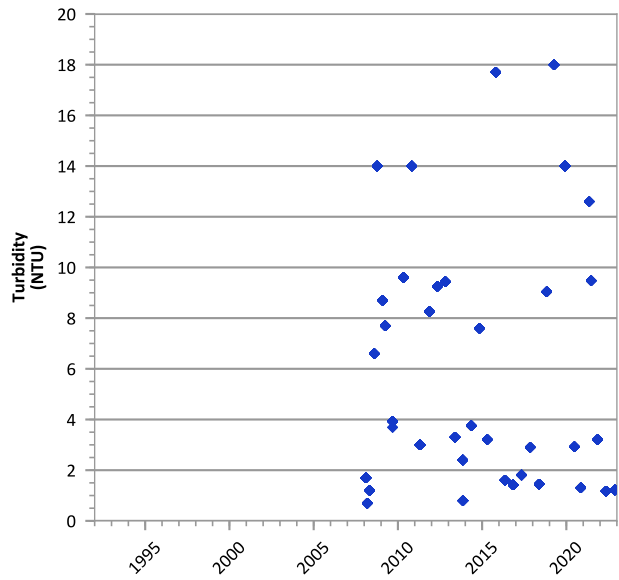
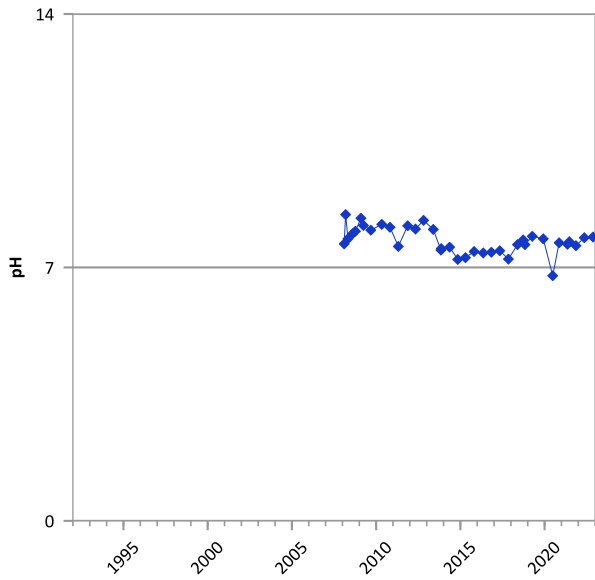
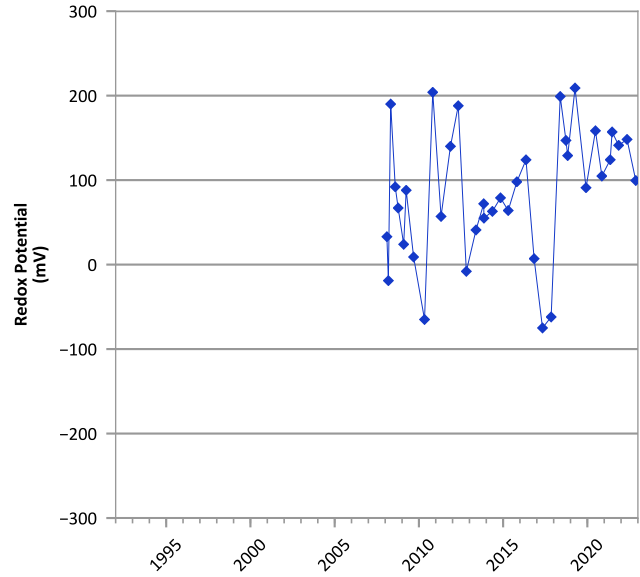
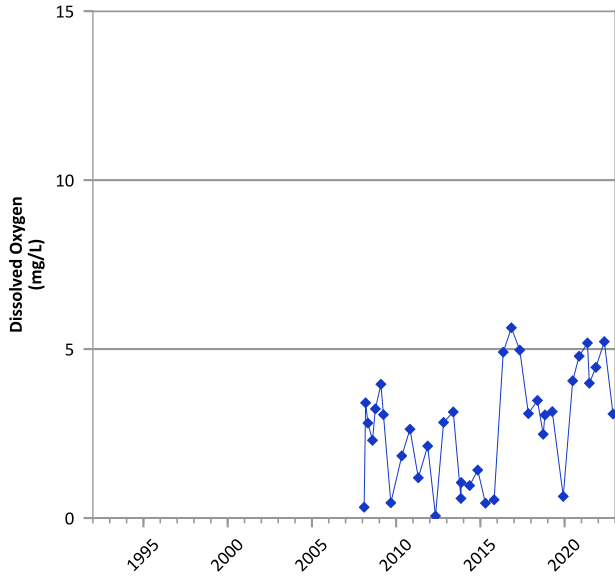
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/13/2010 to 11/21/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

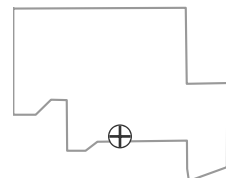


**PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



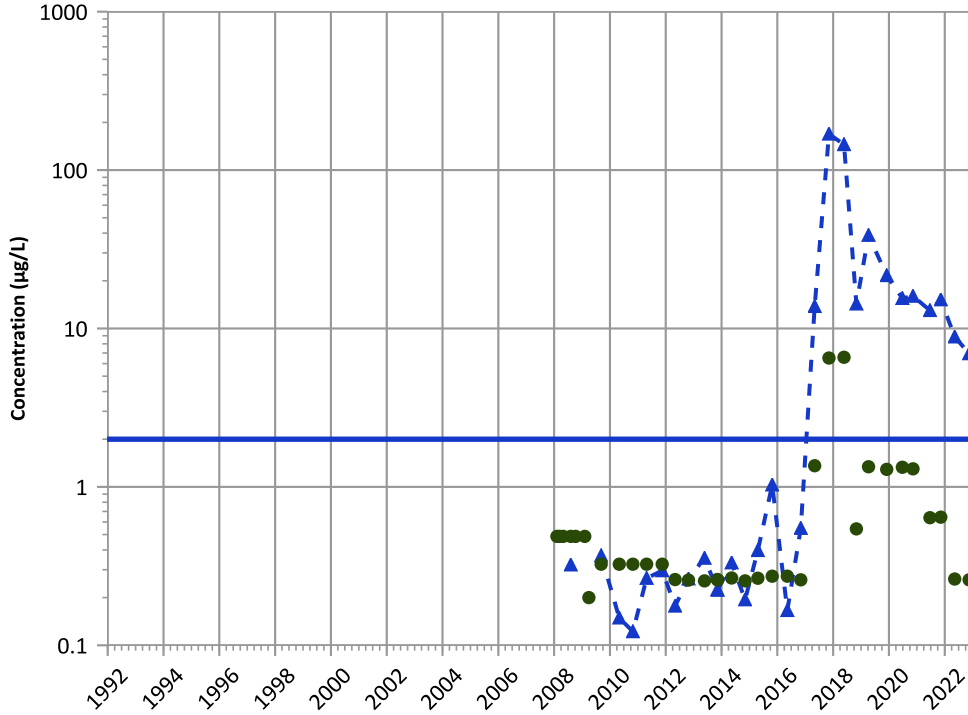
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/07/2008 to 11/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

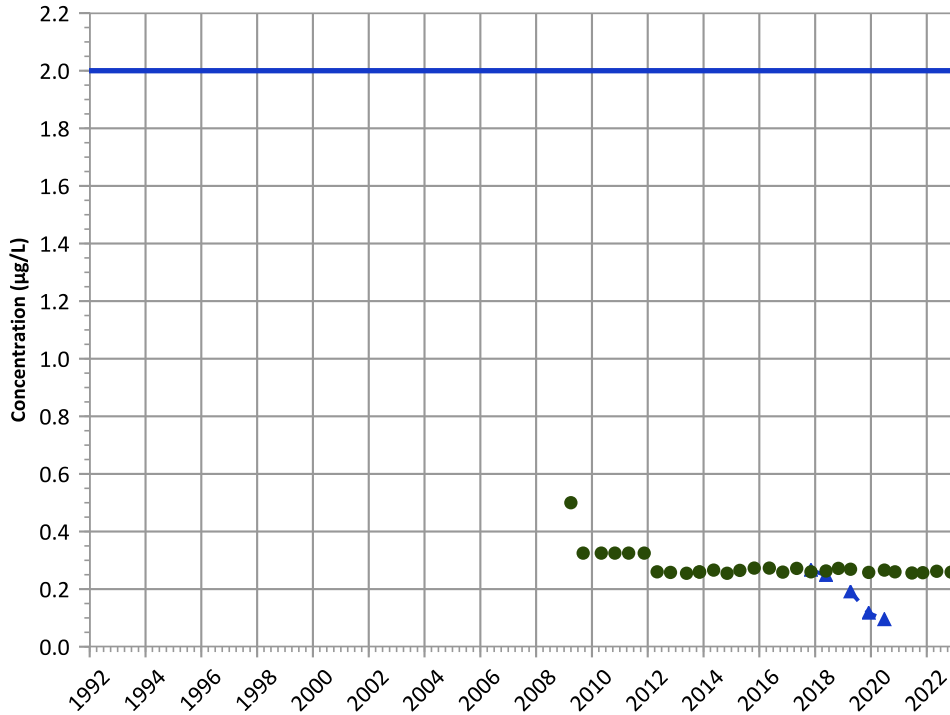
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

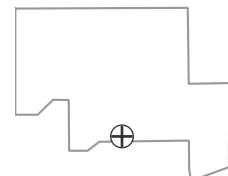
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

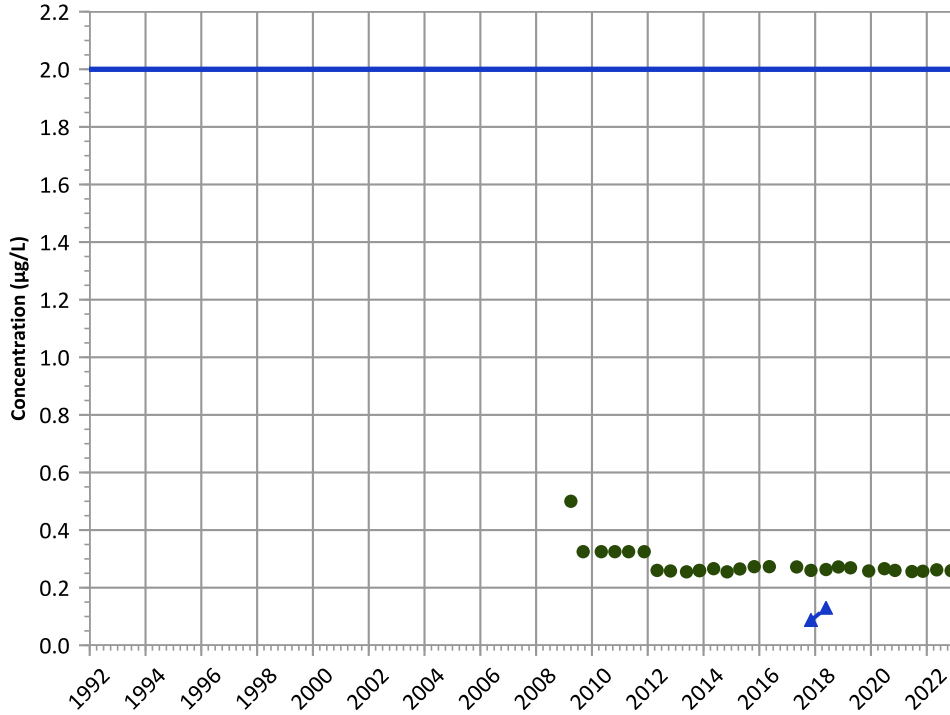
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

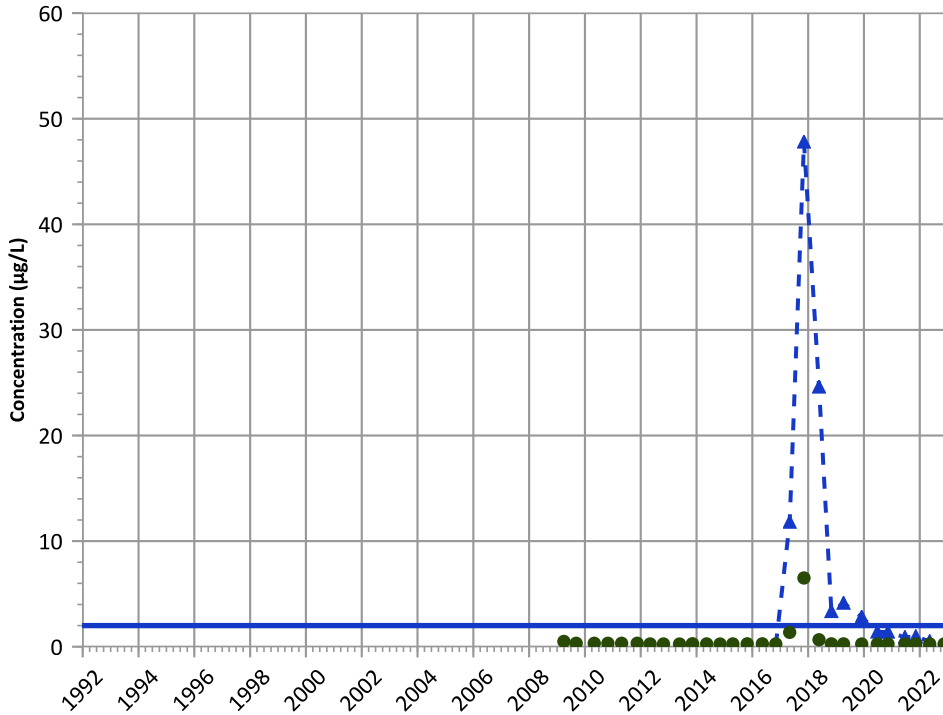


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

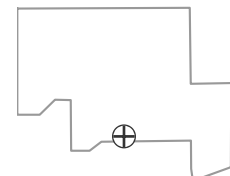


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Well Location

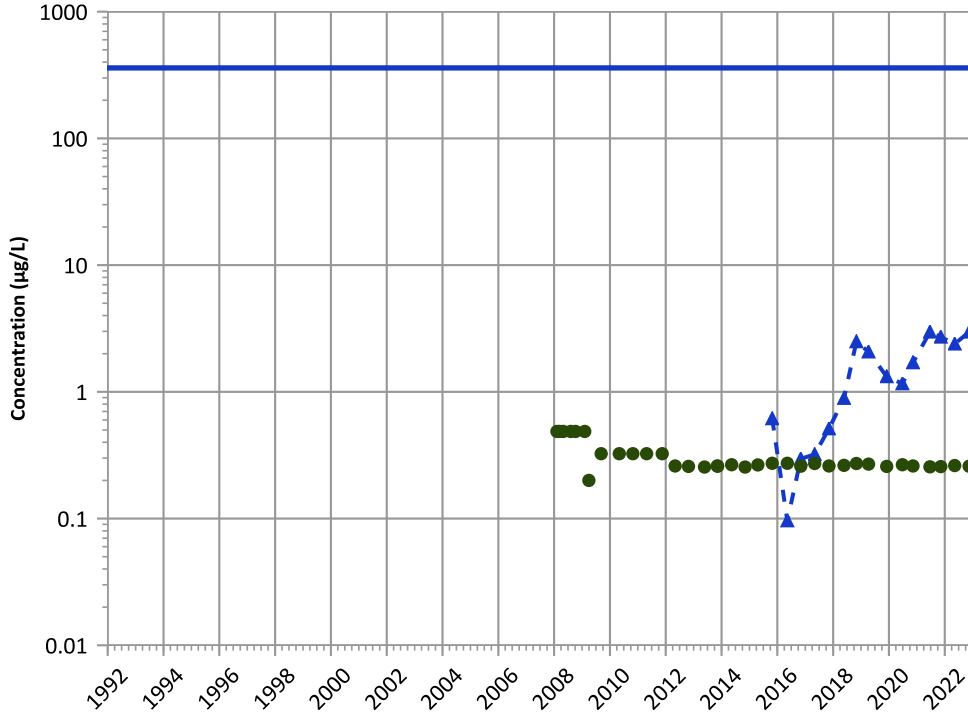


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

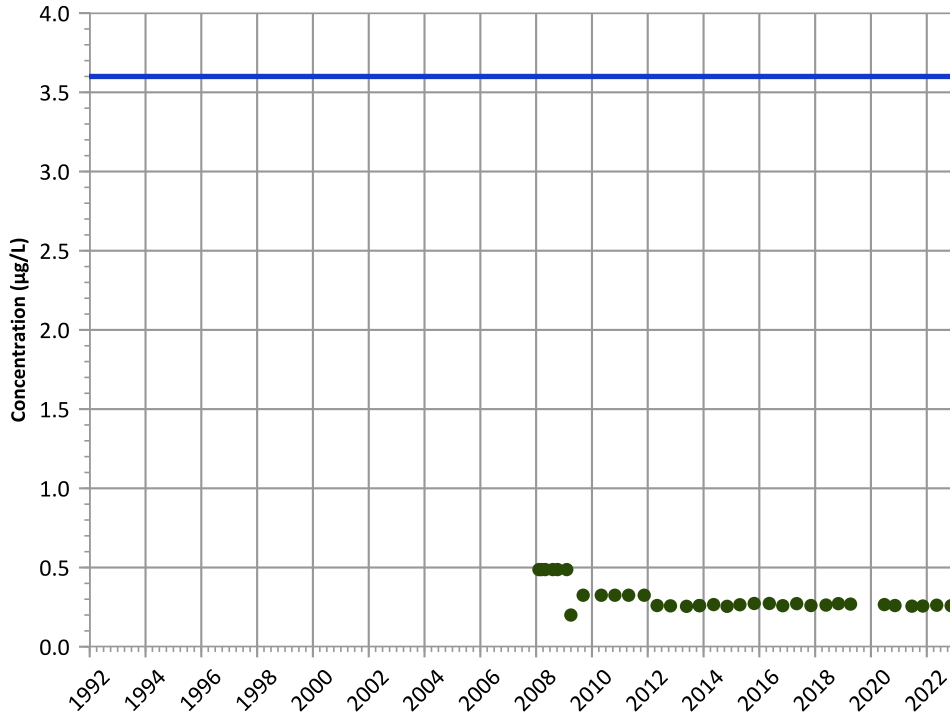


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

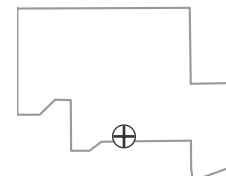
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

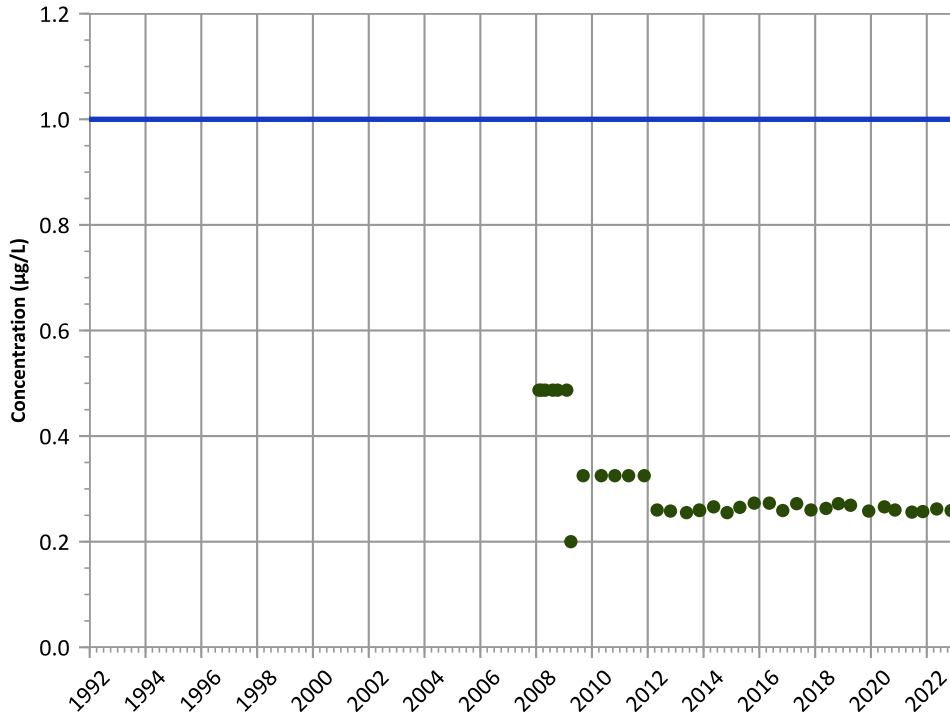
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

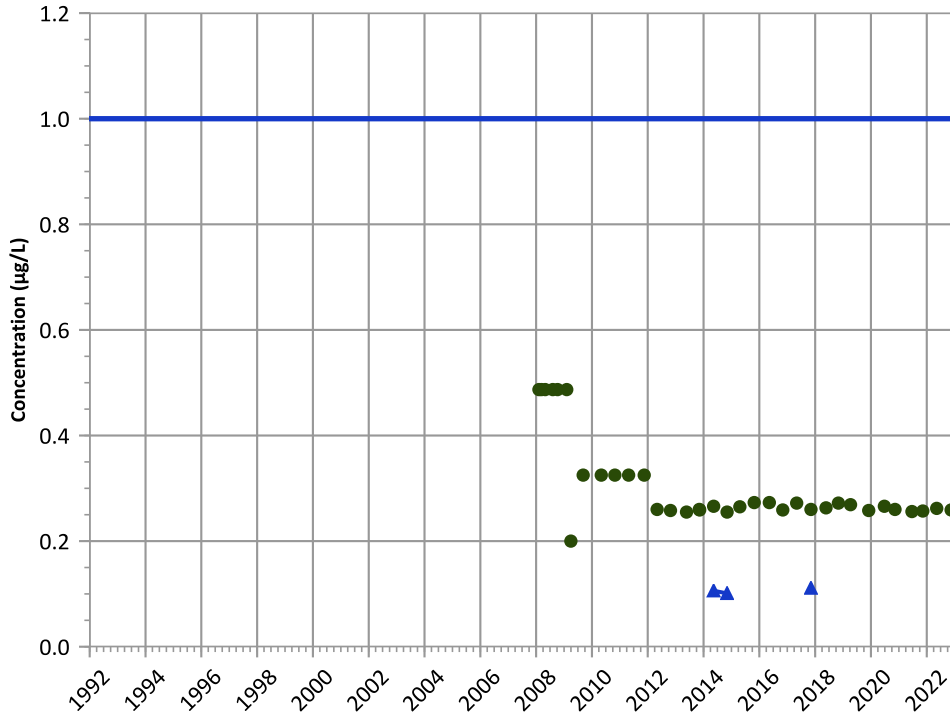
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

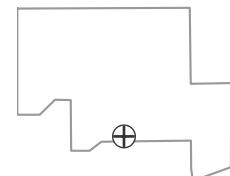
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**Well Location**

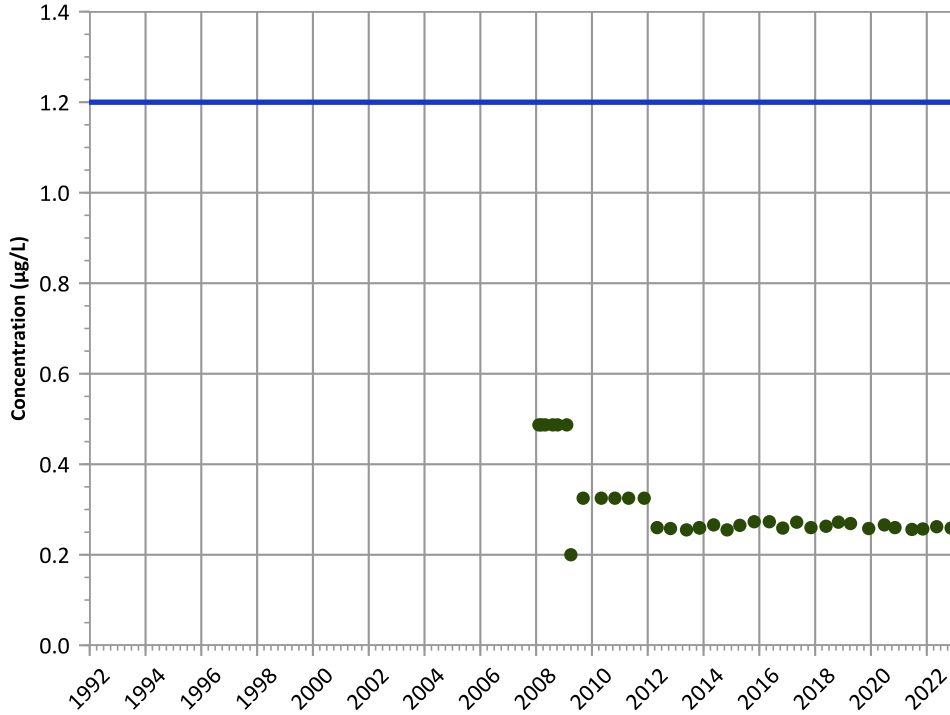


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

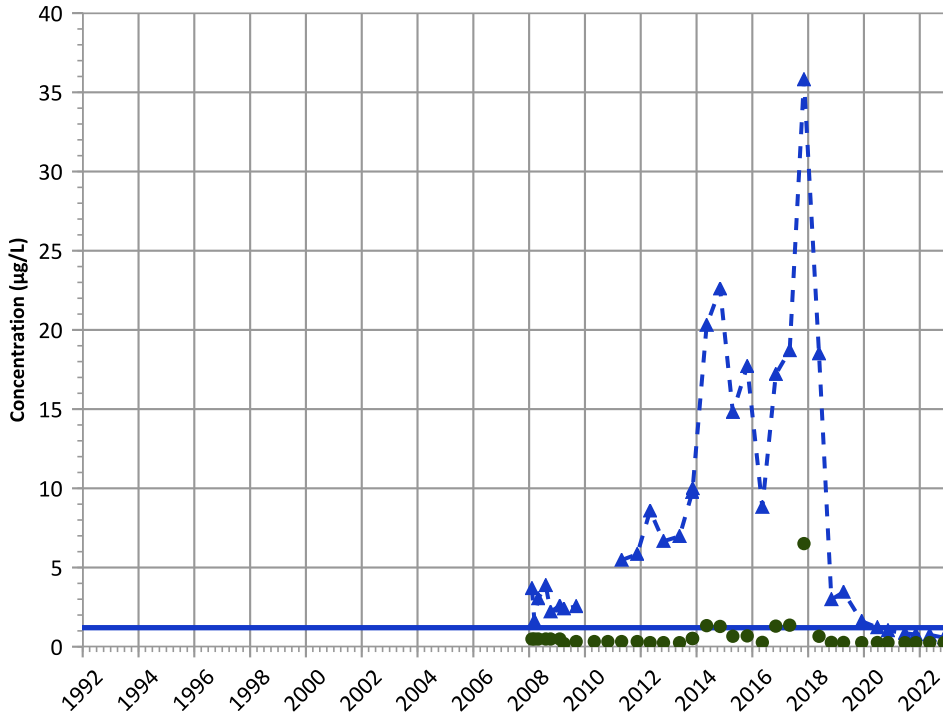
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

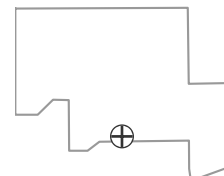
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

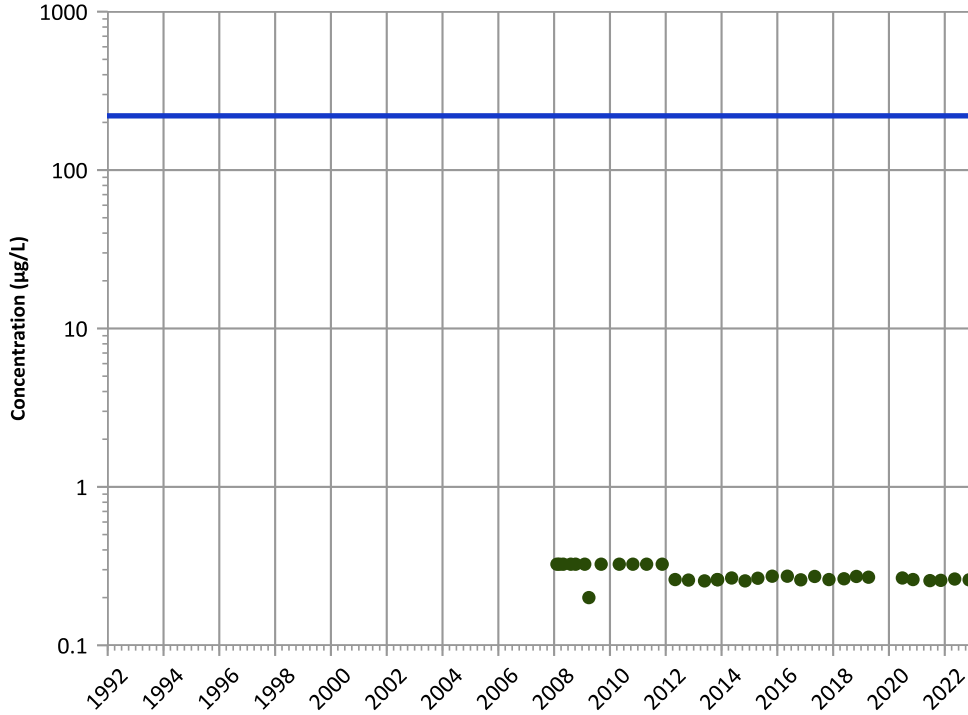
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

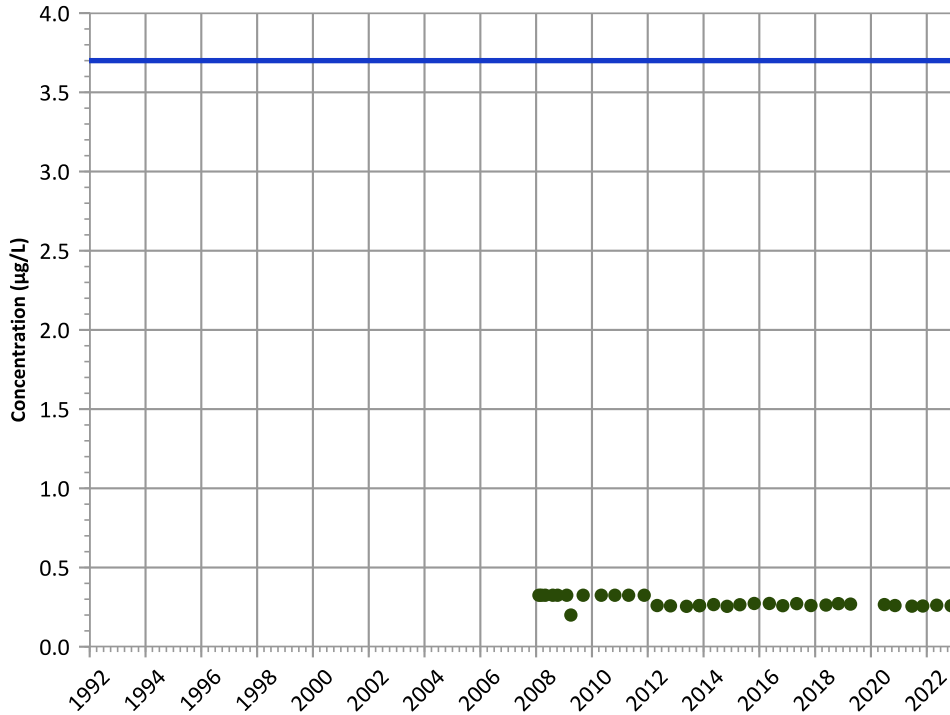
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

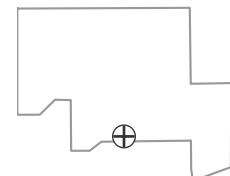
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

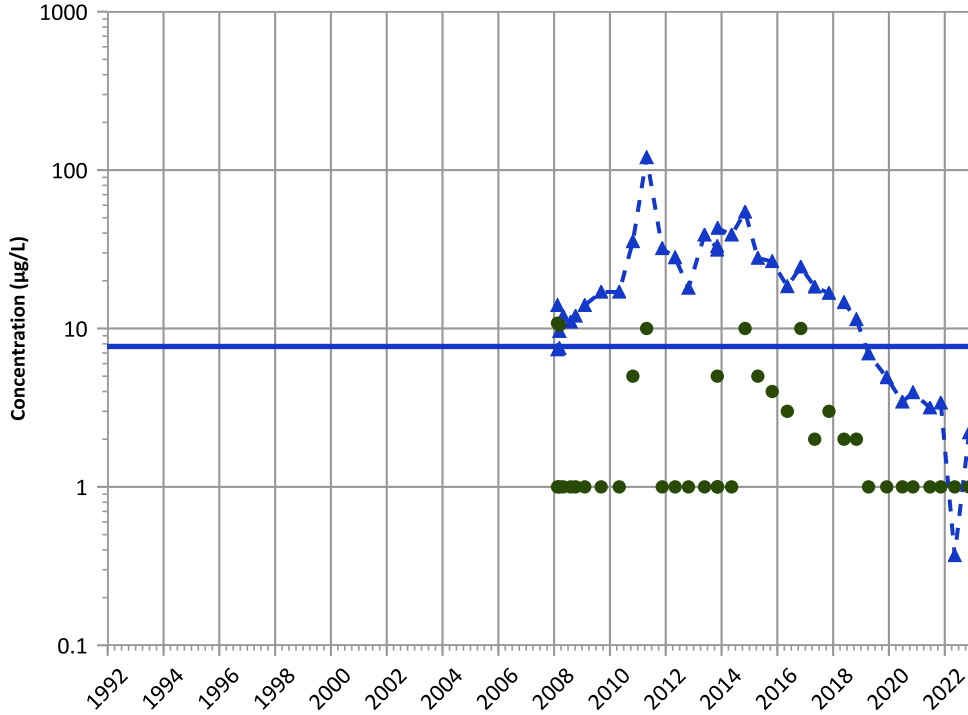
Well Location





PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

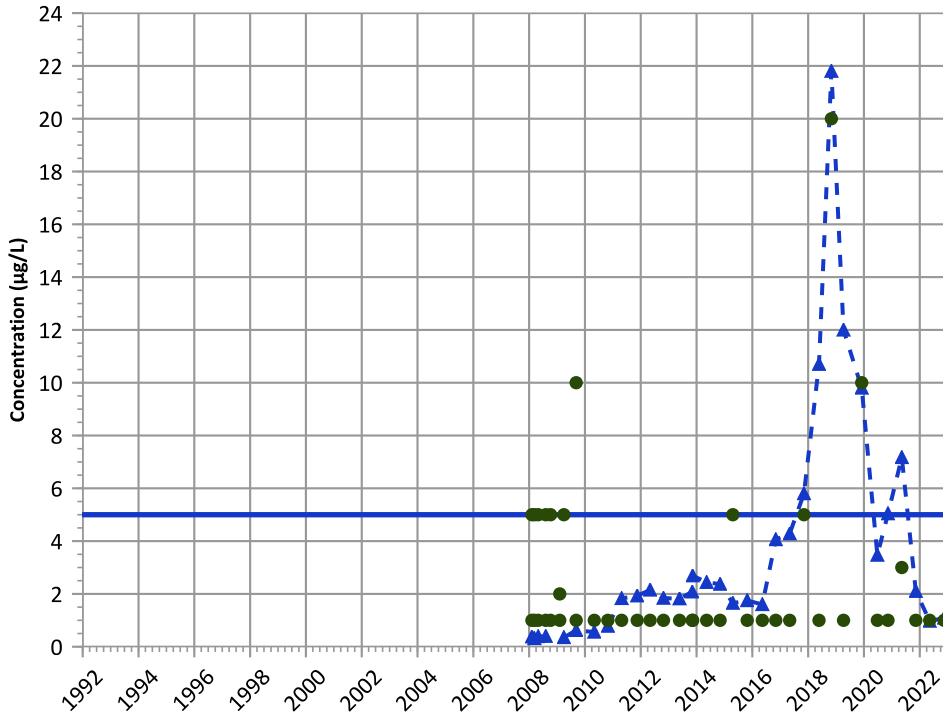


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Tetrachloroethylene (PCE) Trend



Concentration Trend

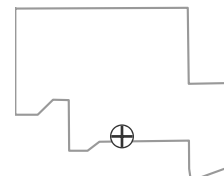
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

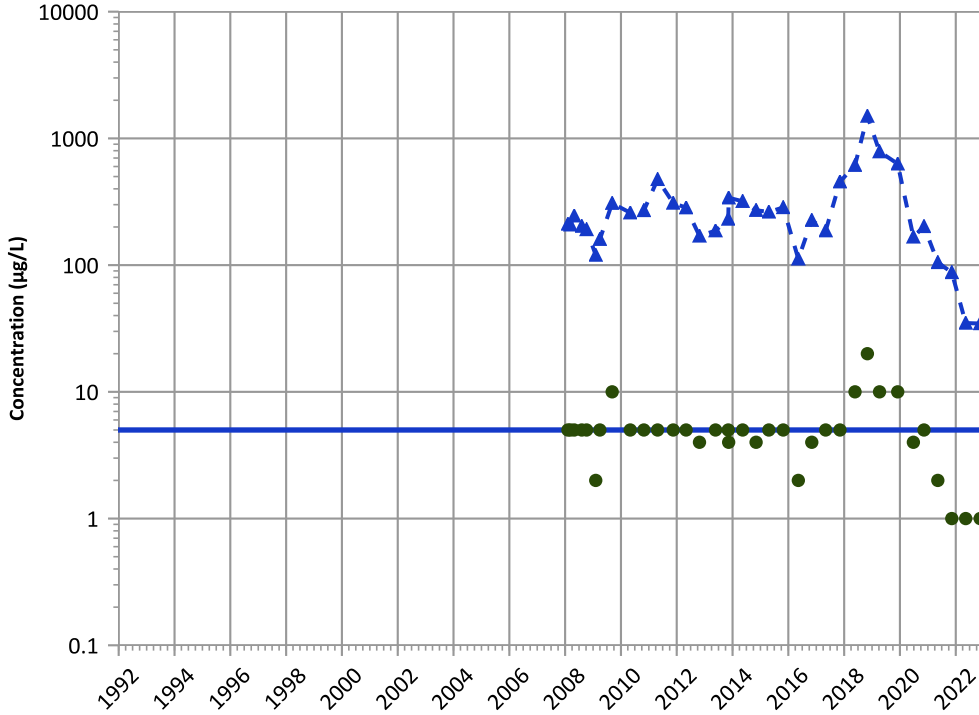
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

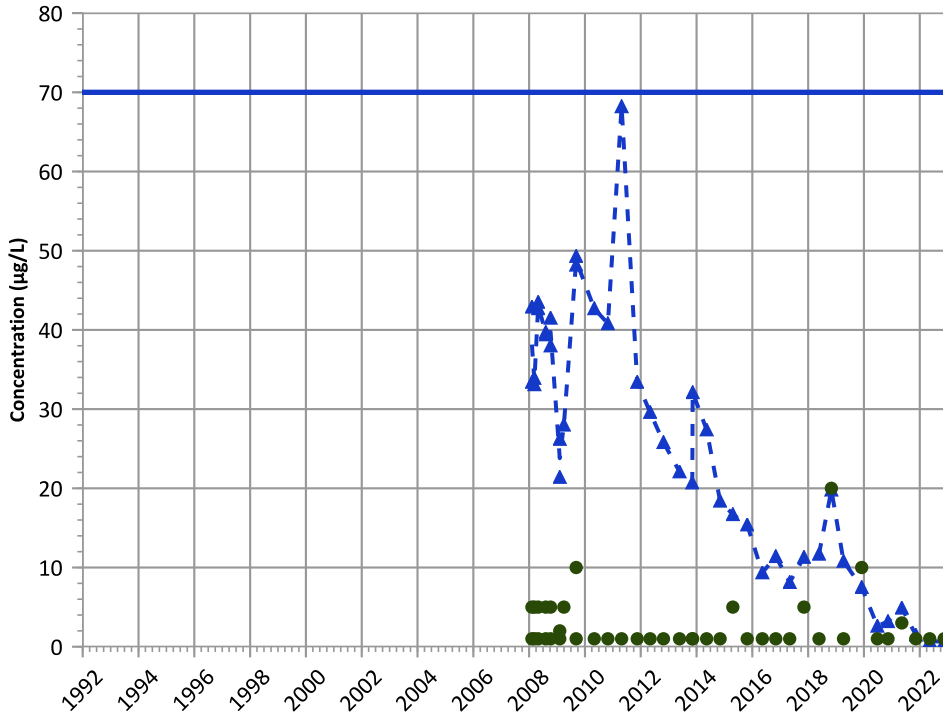


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

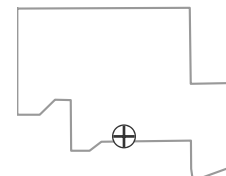
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

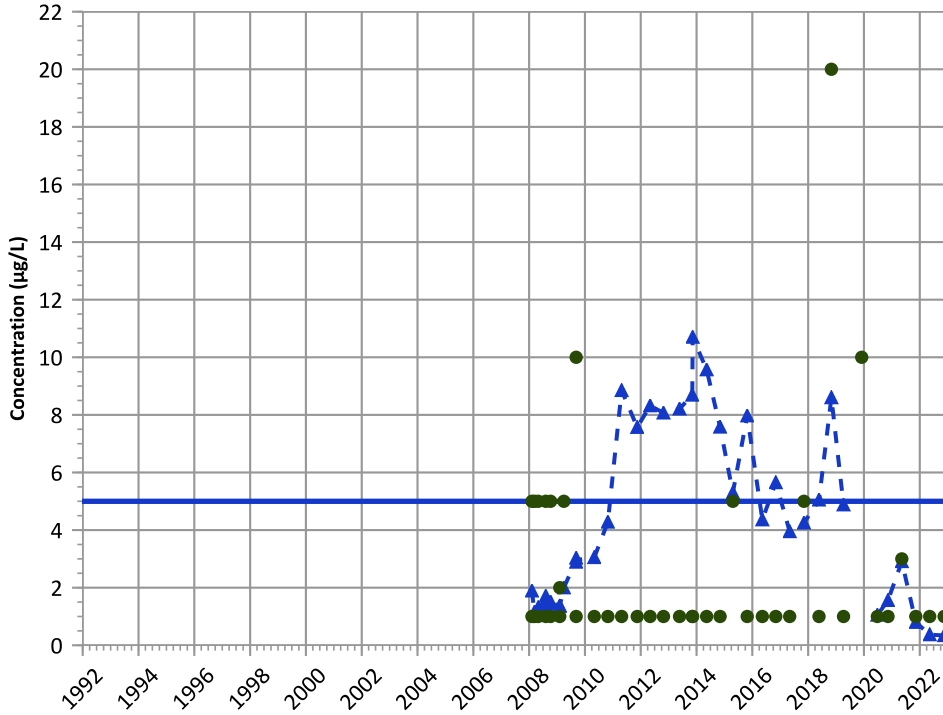
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

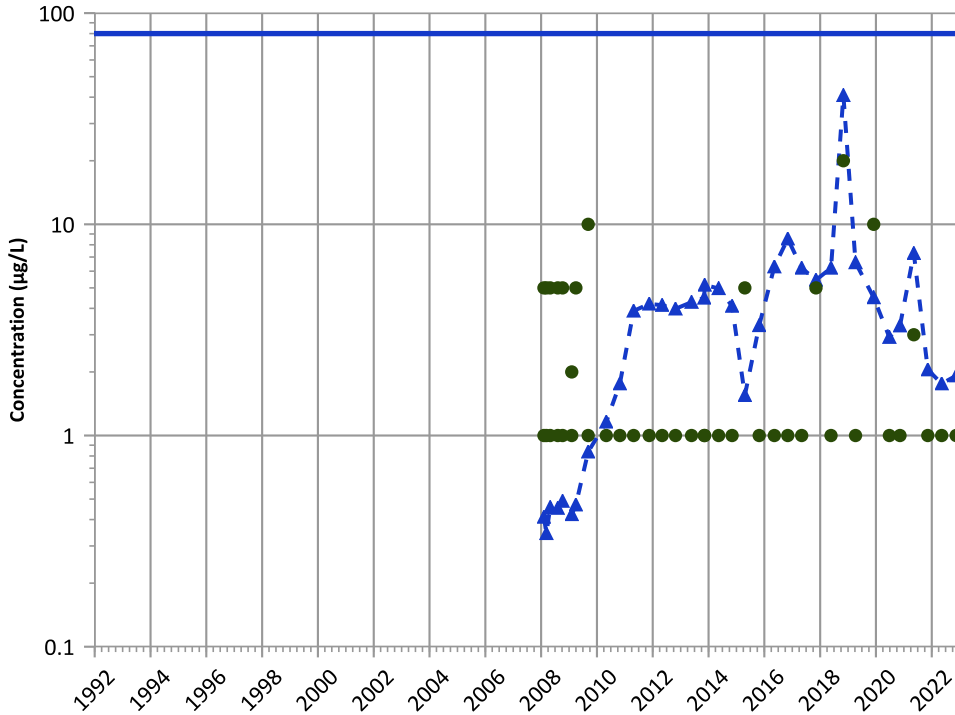


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

**Chloroform Trend**



**Concentration Trend**

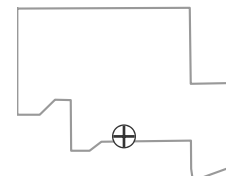
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

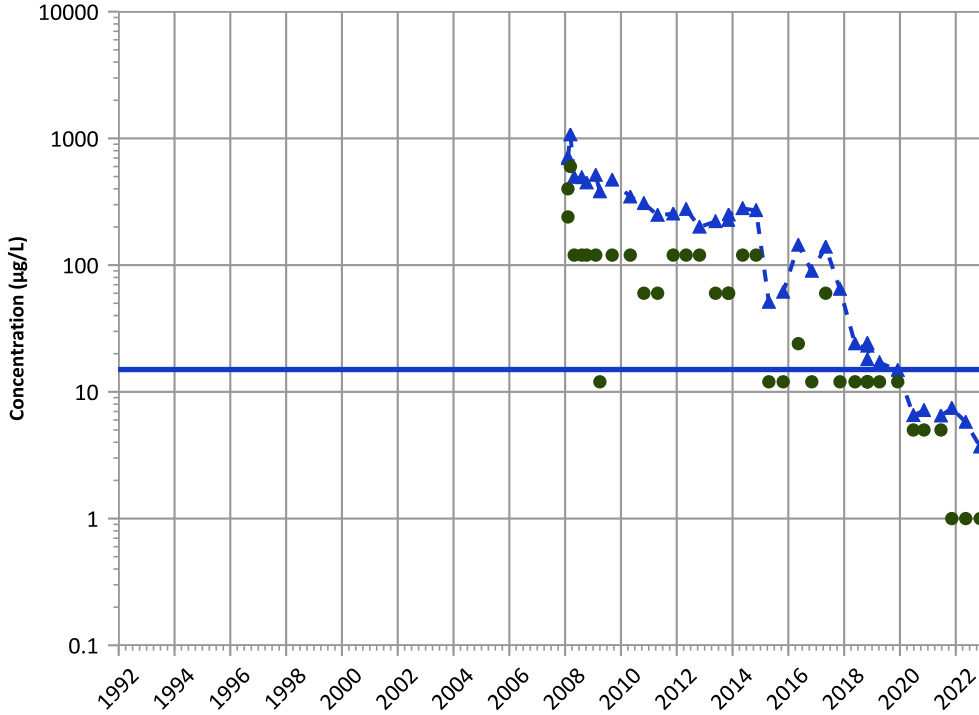
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

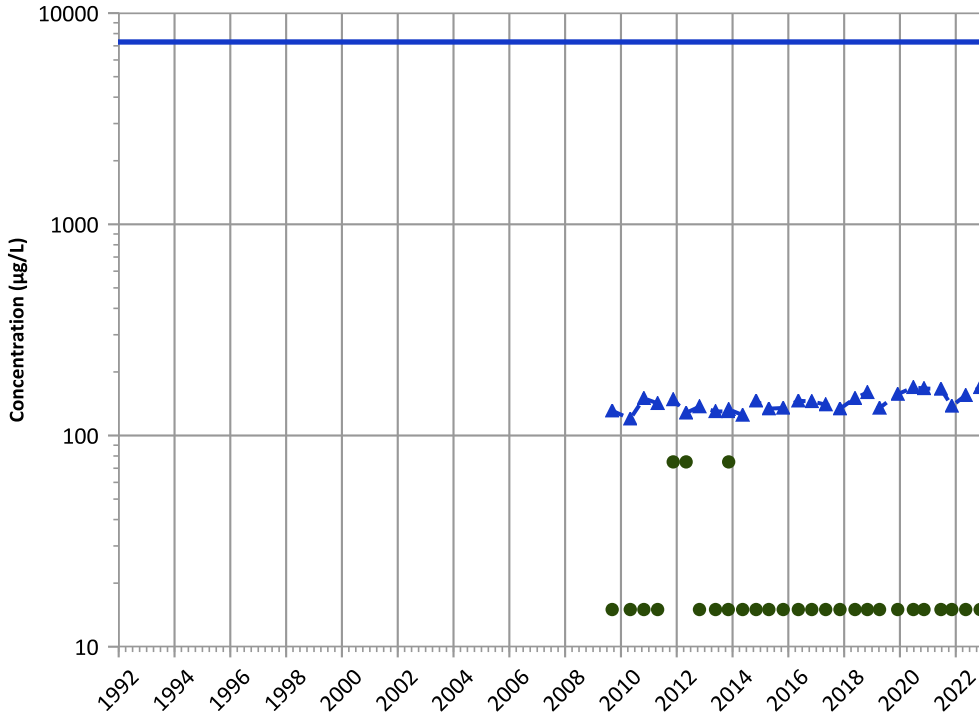
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

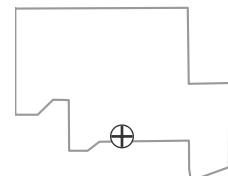
2020 - 2022 Data:

No Trend

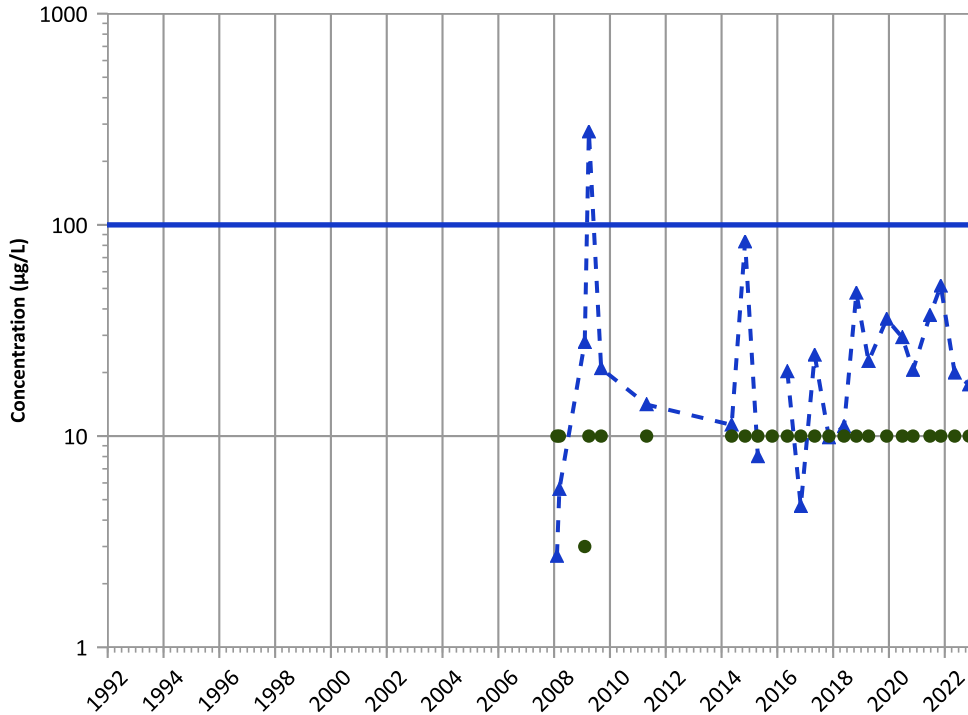
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

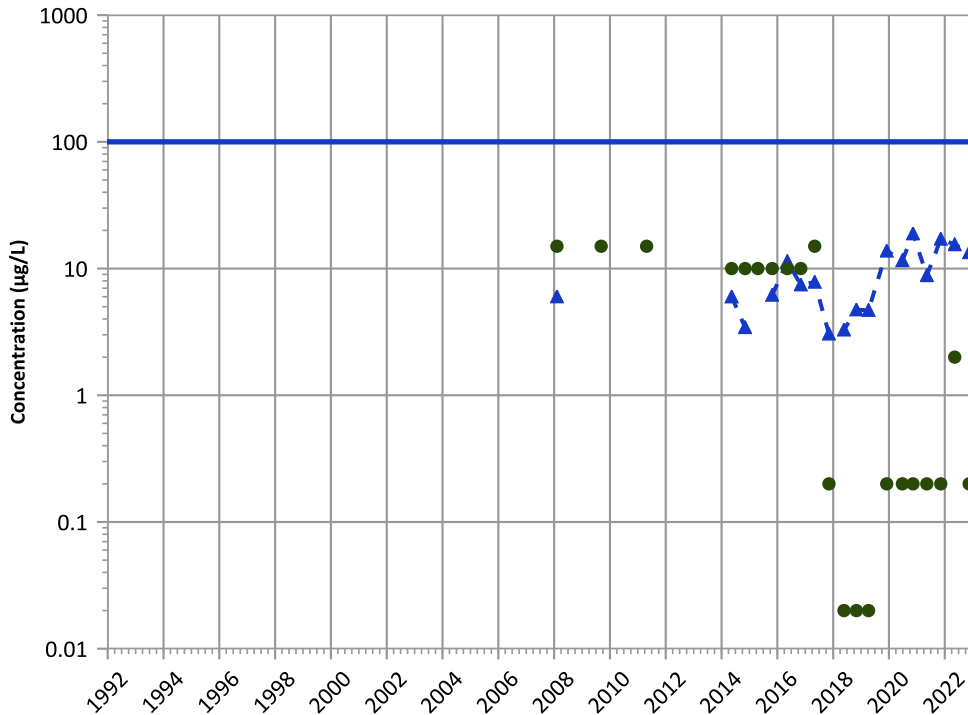


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

**Chromium, Hexavalent Trend**



**Concentration Trend**

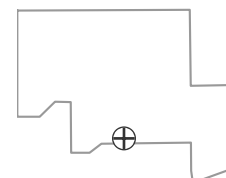
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

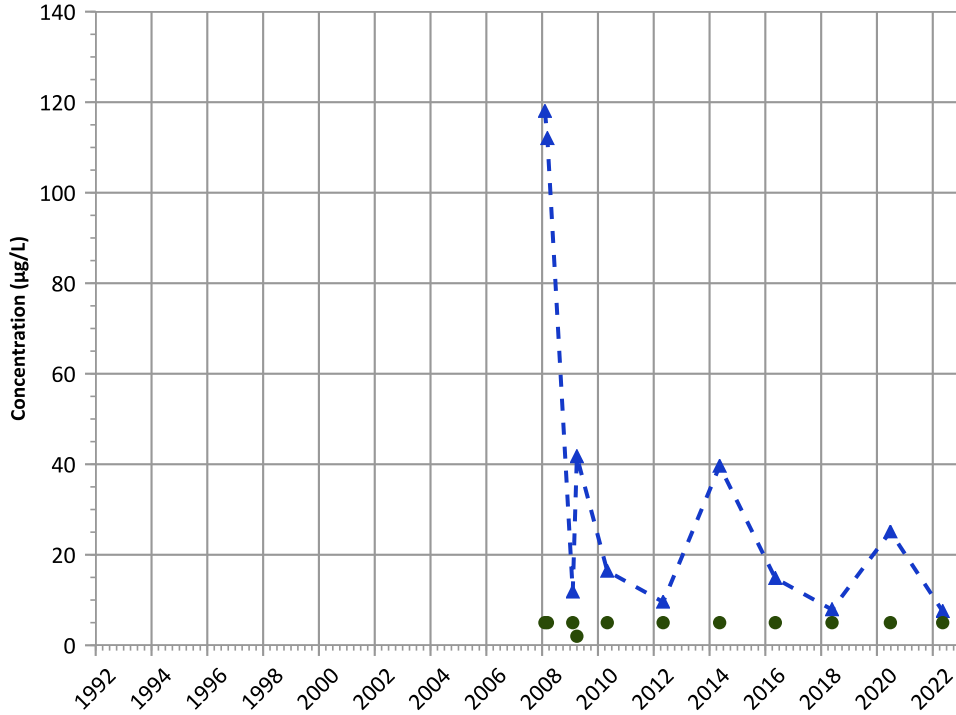
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

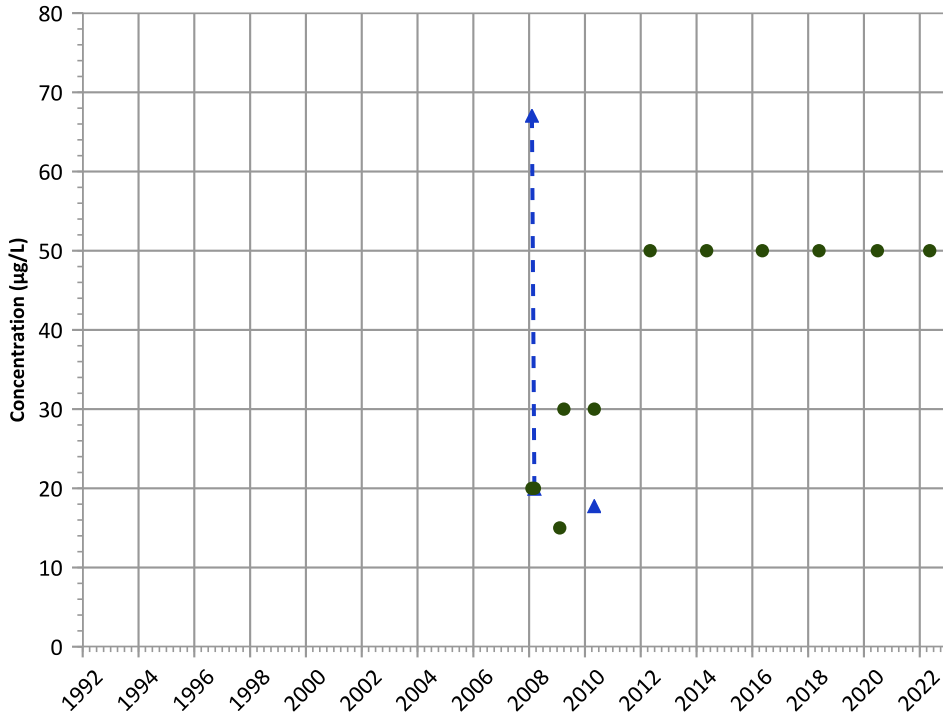


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

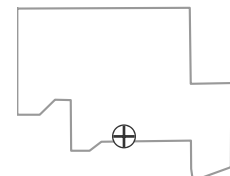
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

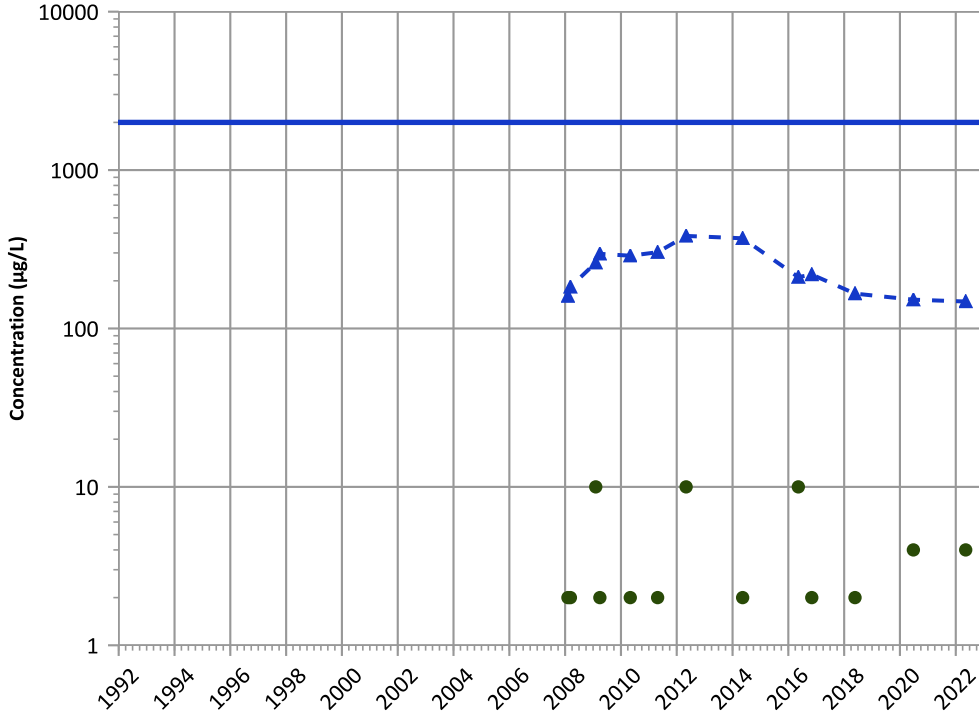
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

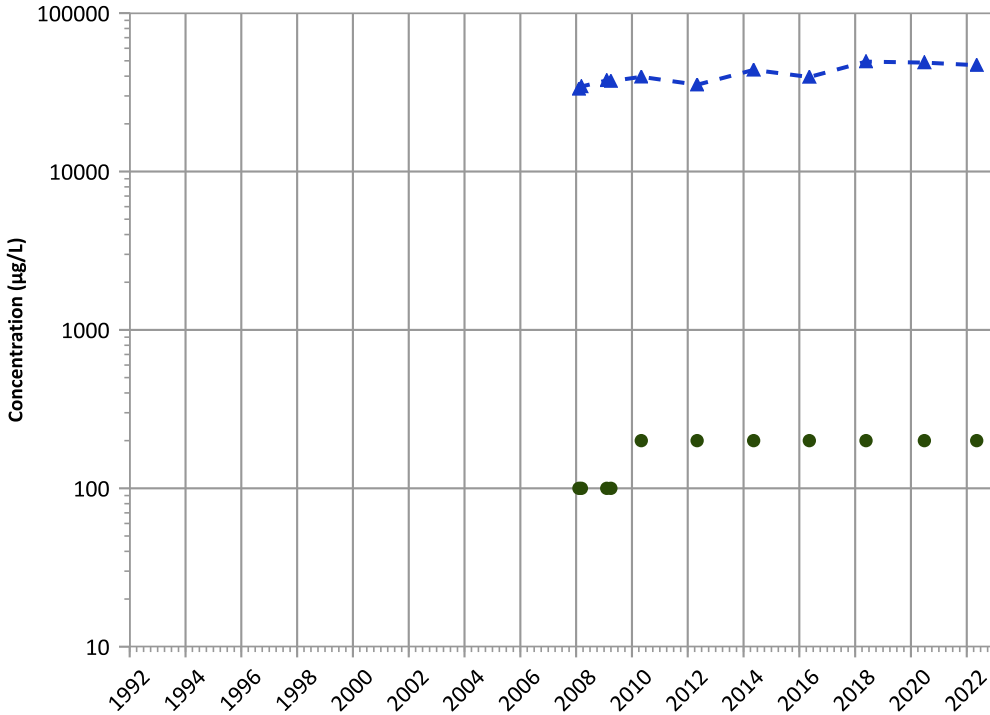


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Calcium Trend

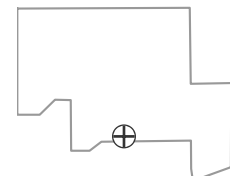


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

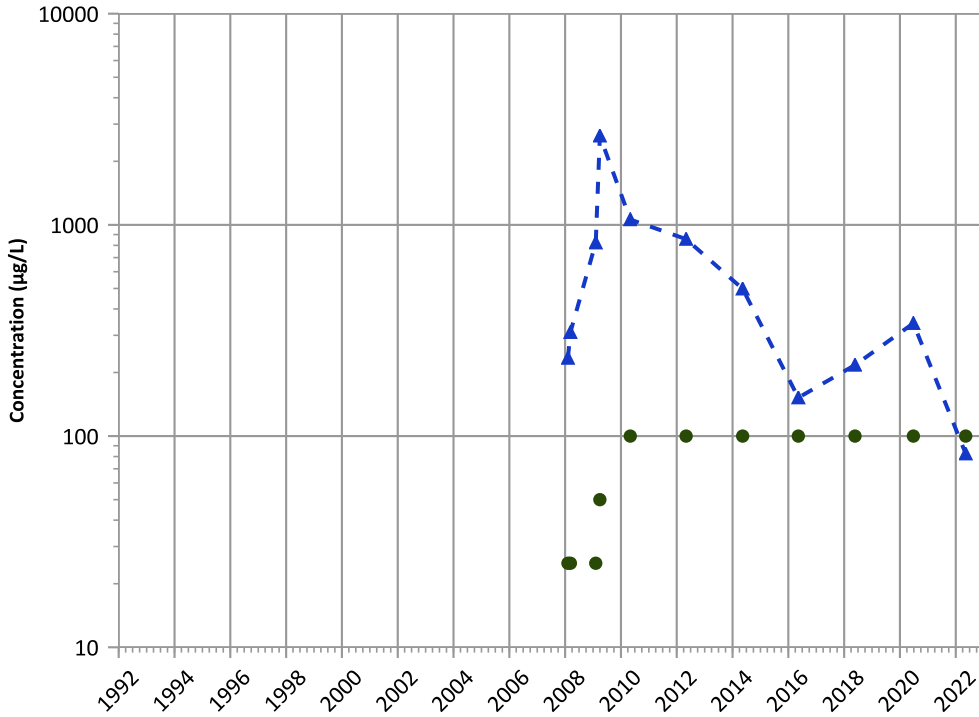


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

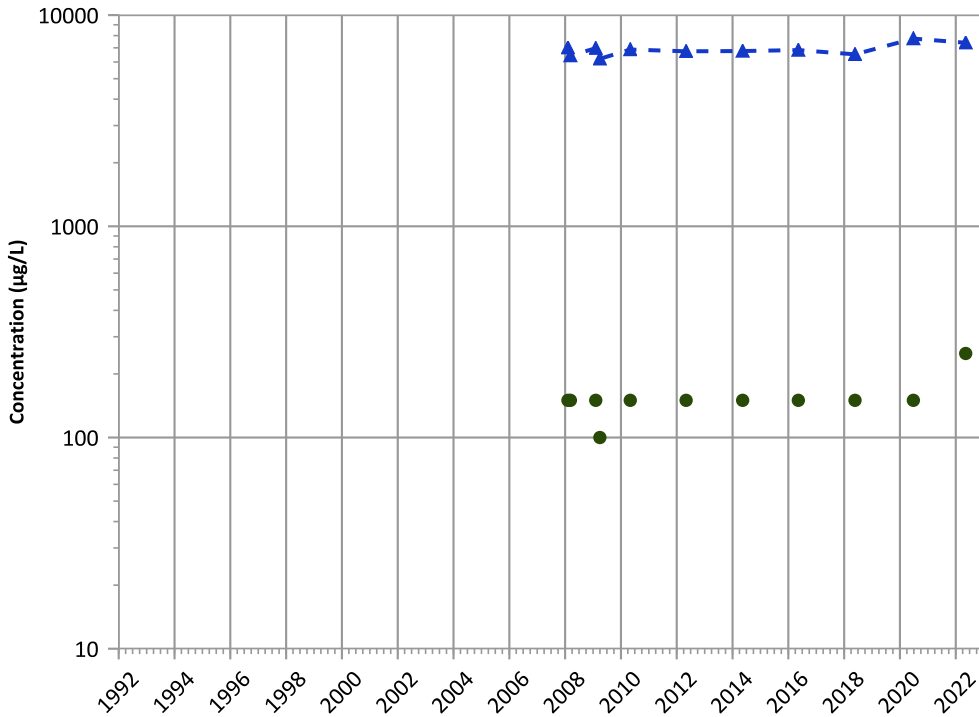


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

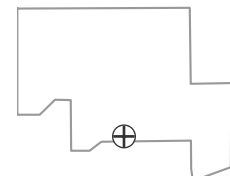
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

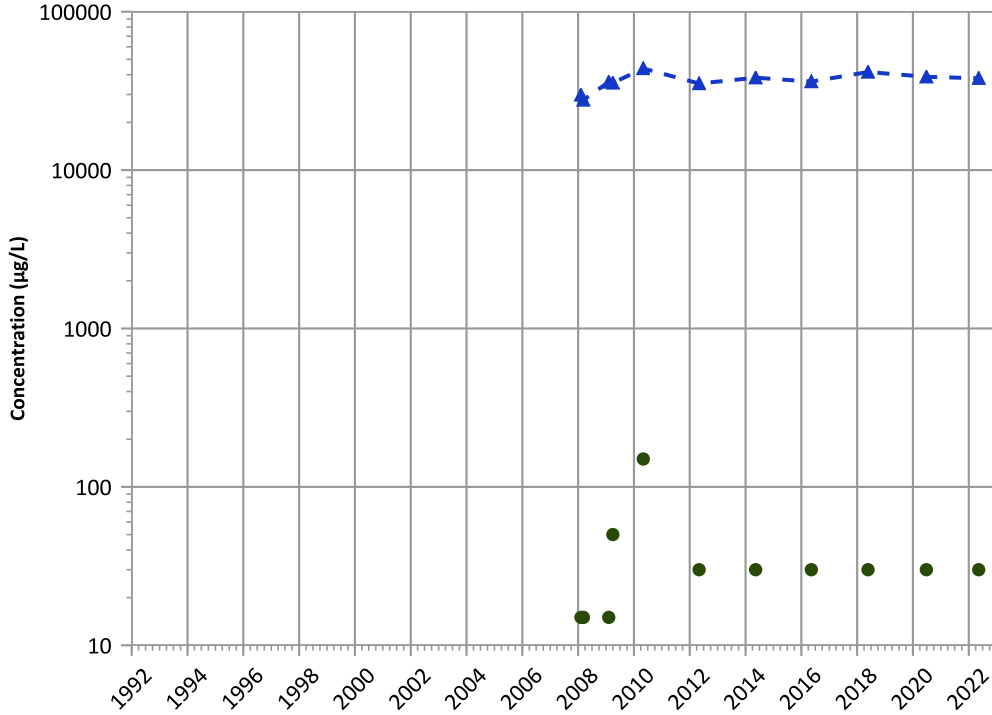
Well Location





PTX06-1126 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

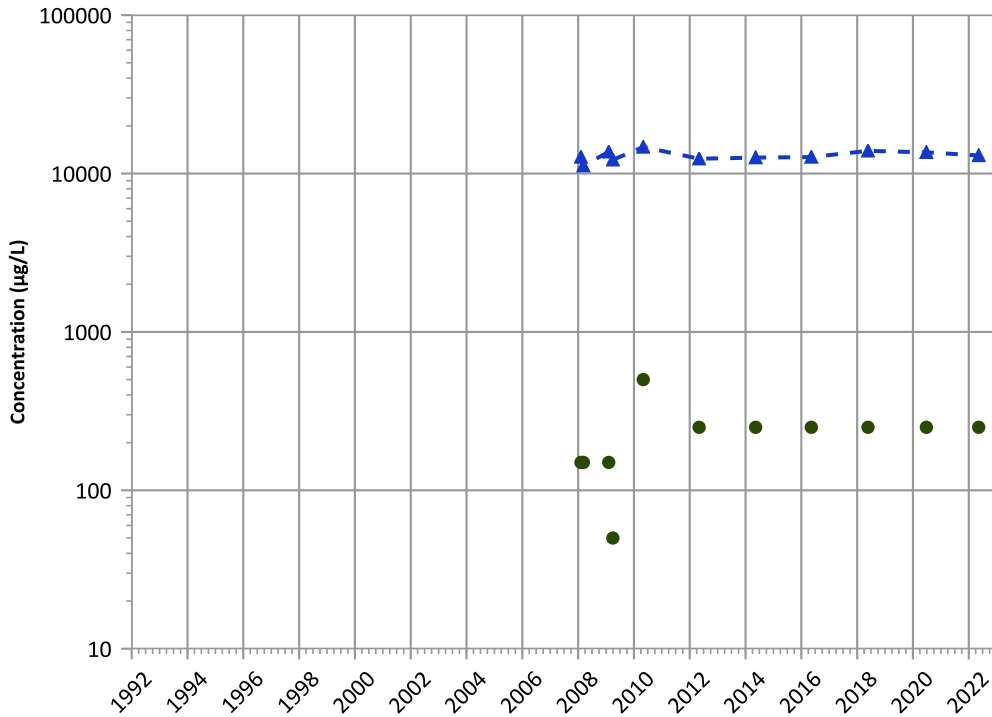


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Sodium Trend

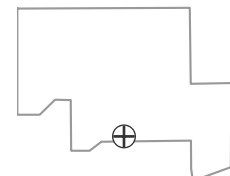


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

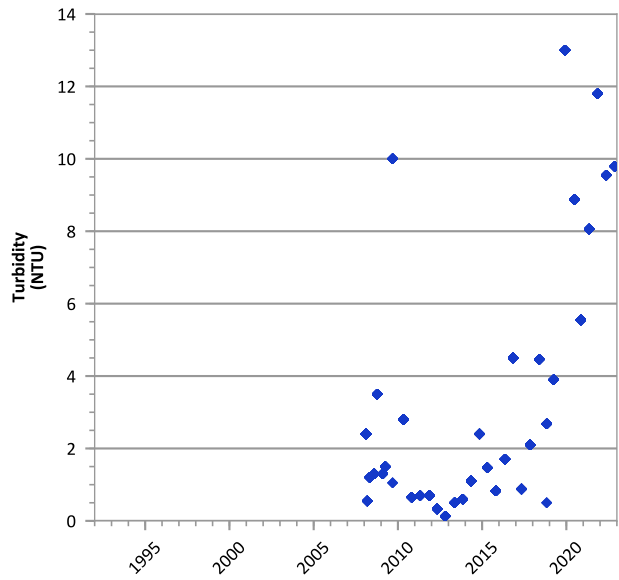
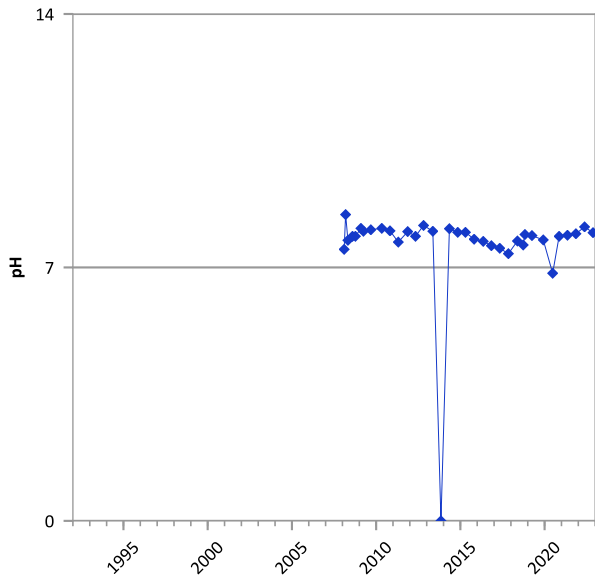
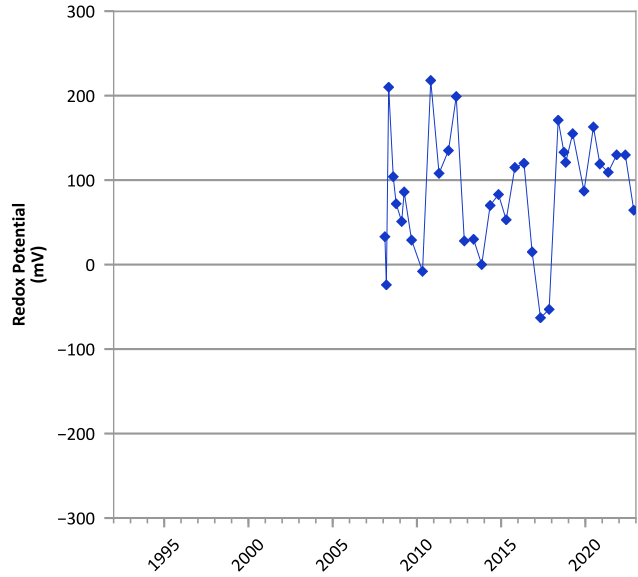
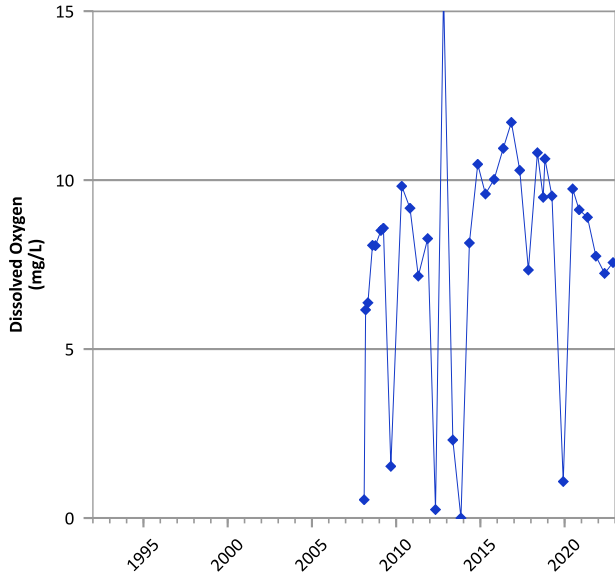
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

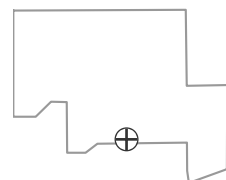
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



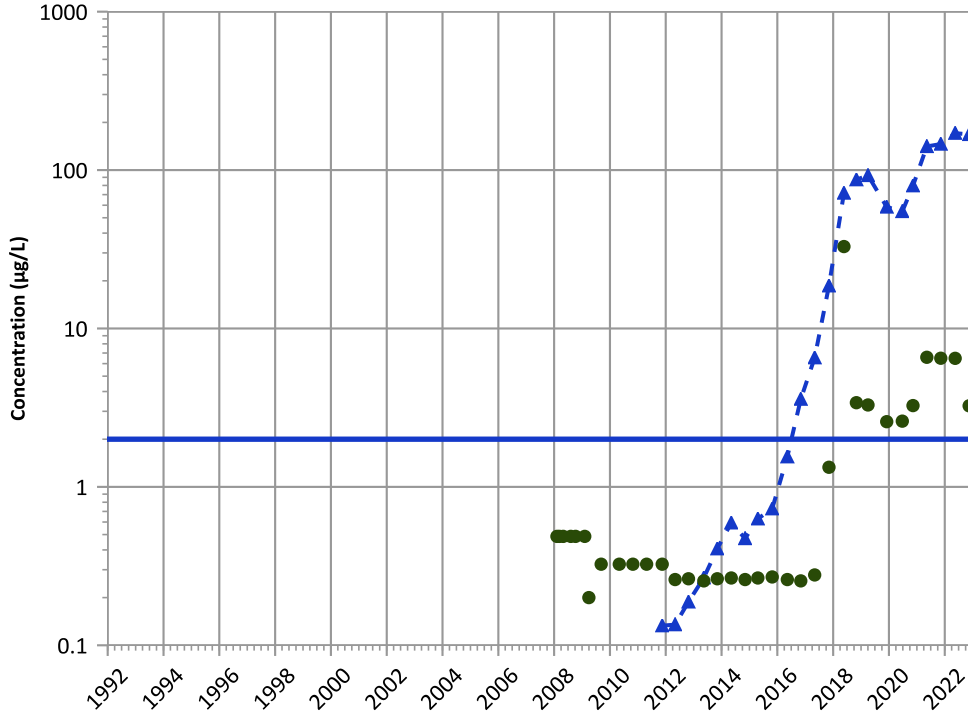
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/07/2008 to 11/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

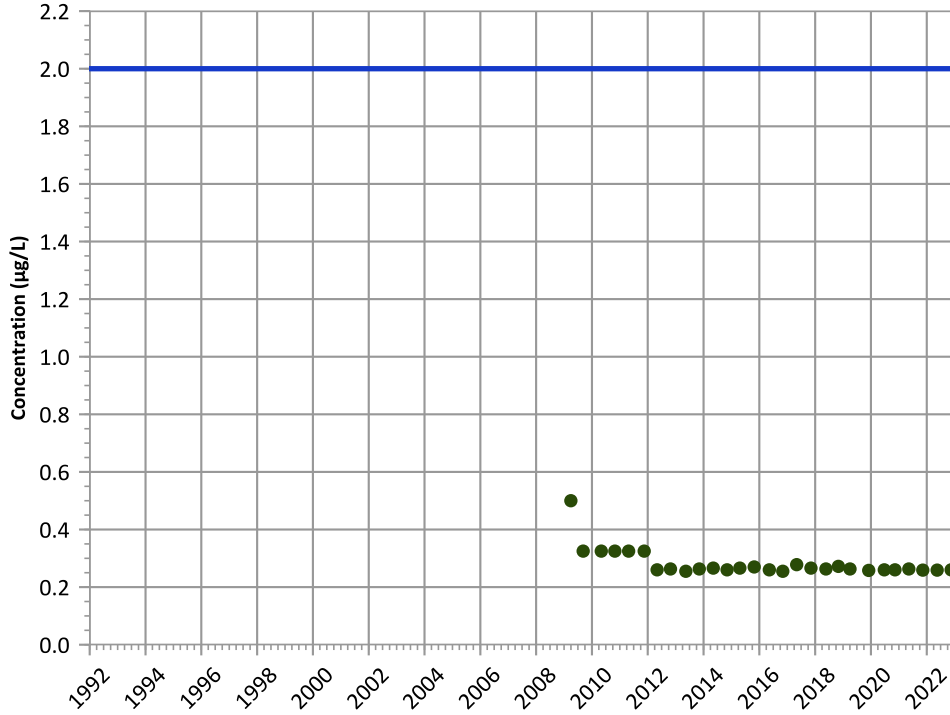
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

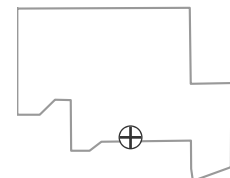
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 02/07/2008 to 11/16/2022

Analysis Date: 04/27/2023

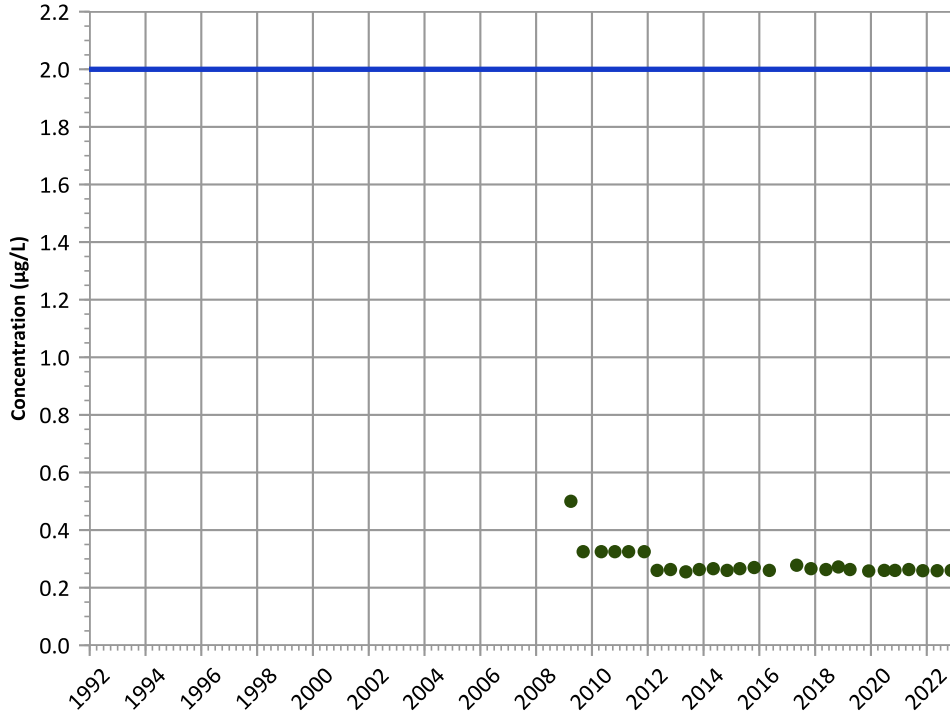
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

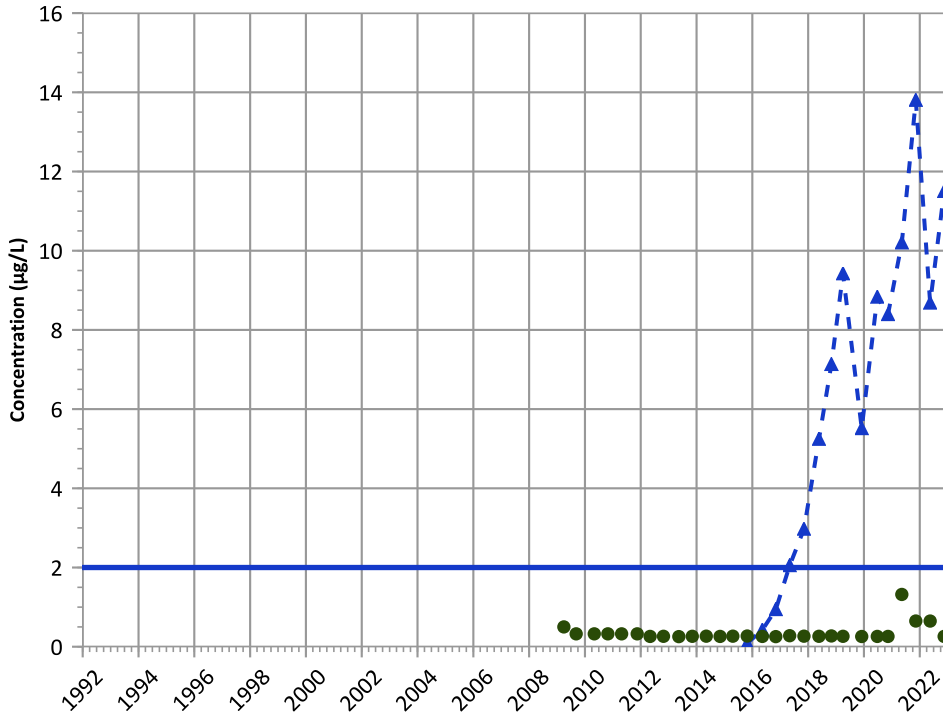


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

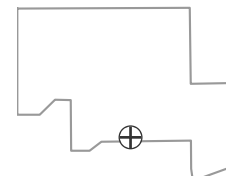
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

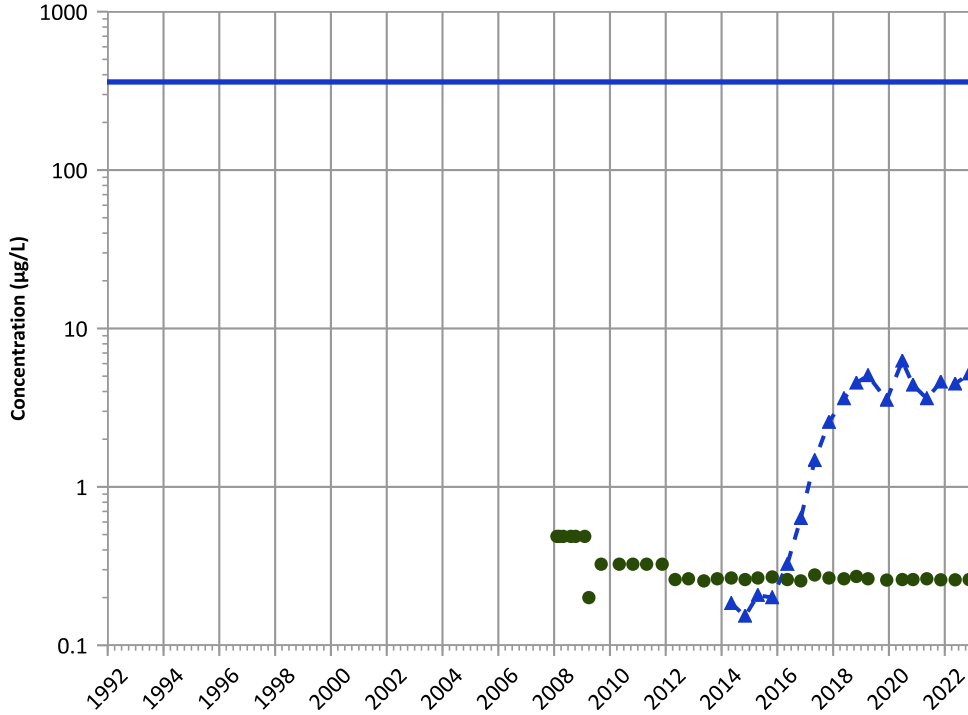
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

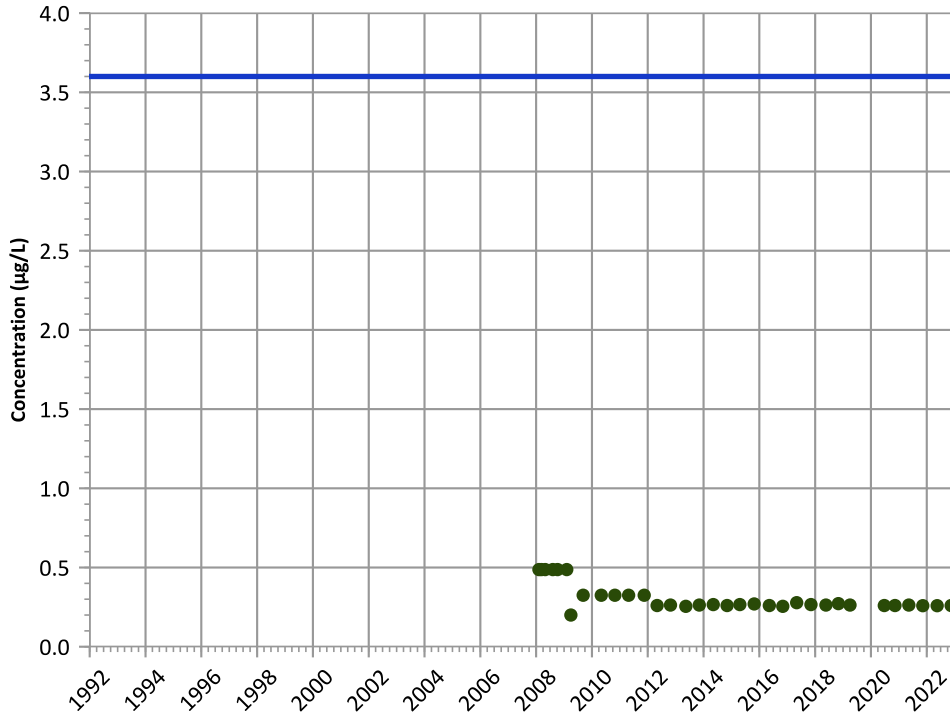


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

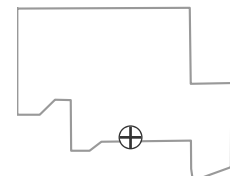
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

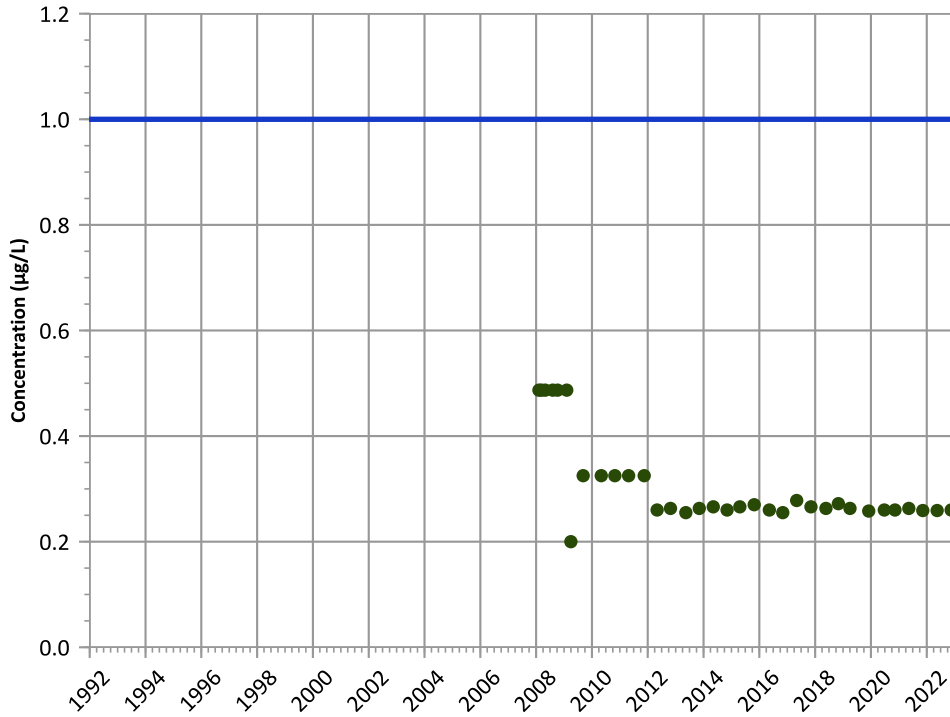
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

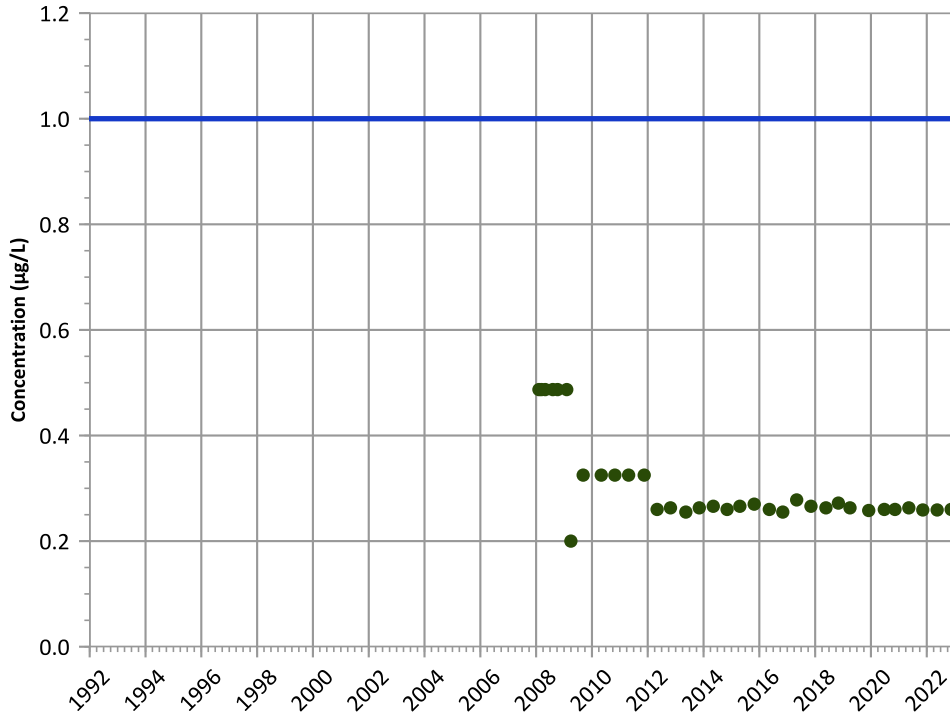
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

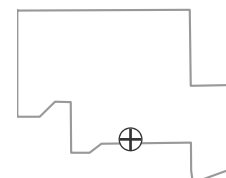
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

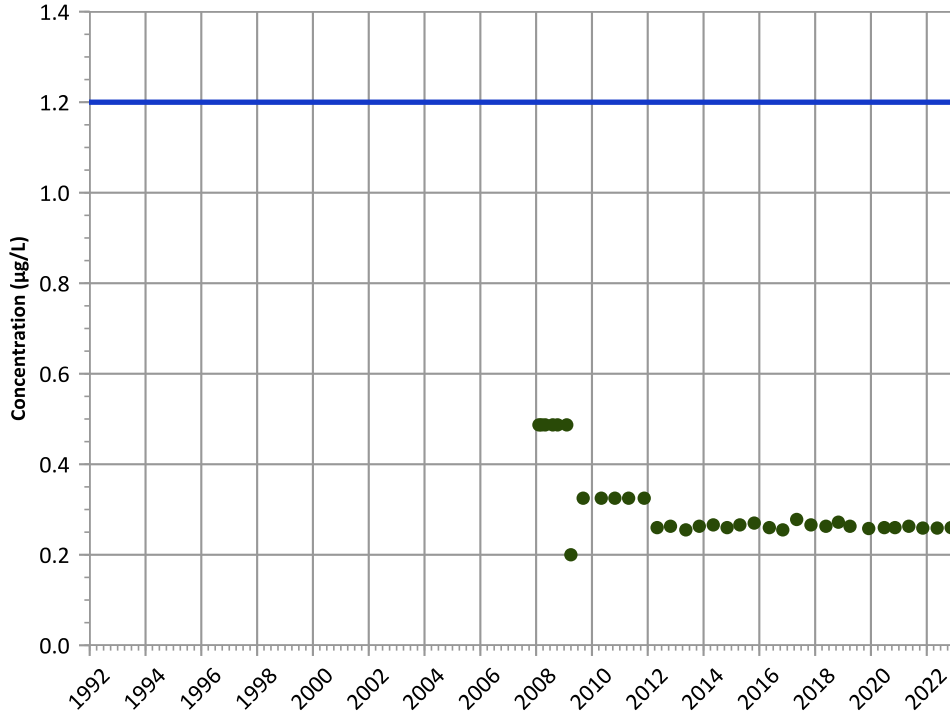


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

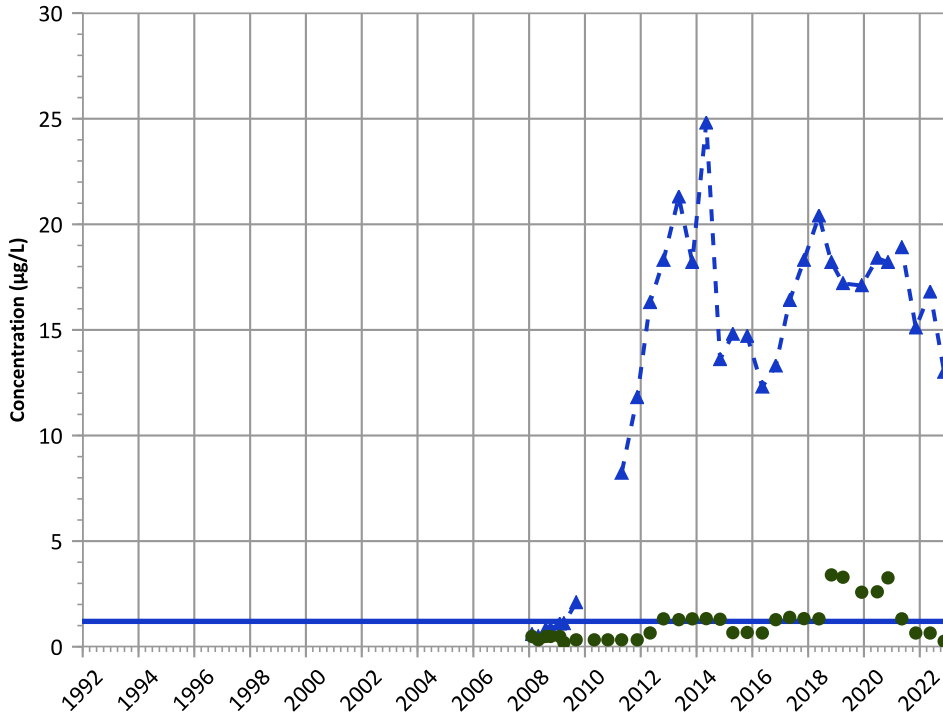
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

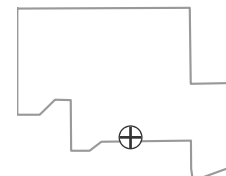
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

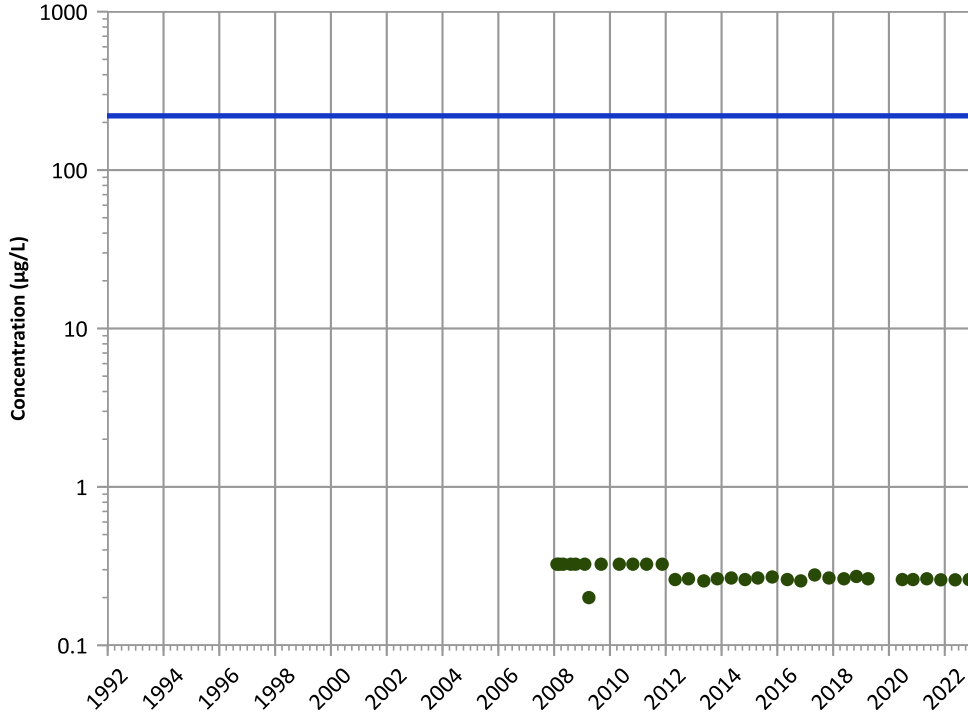
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

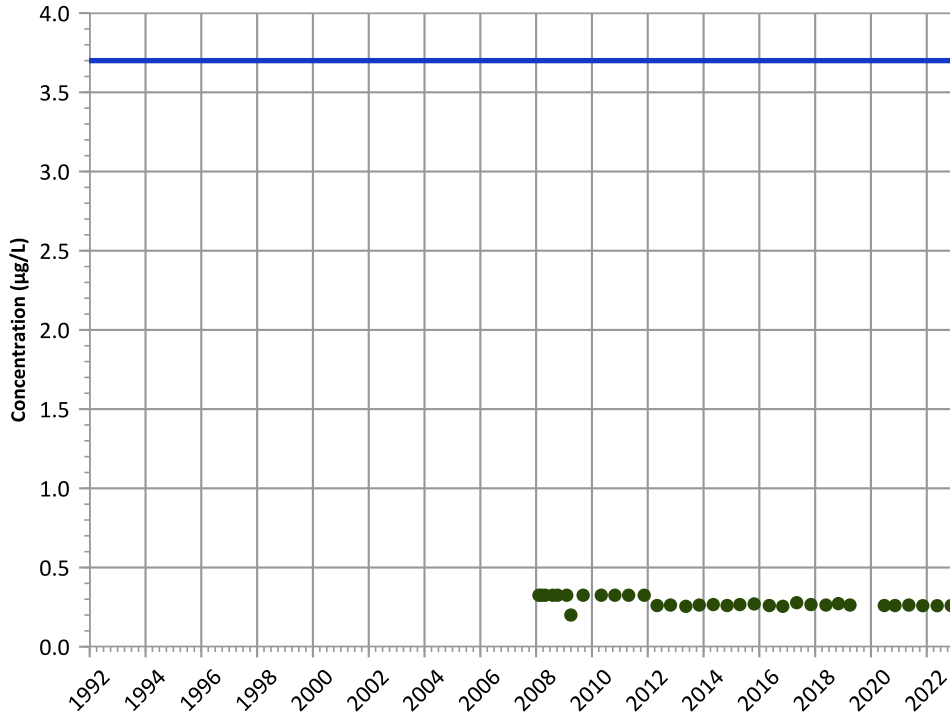
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

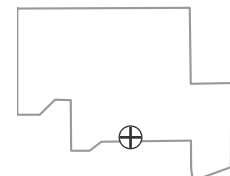
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

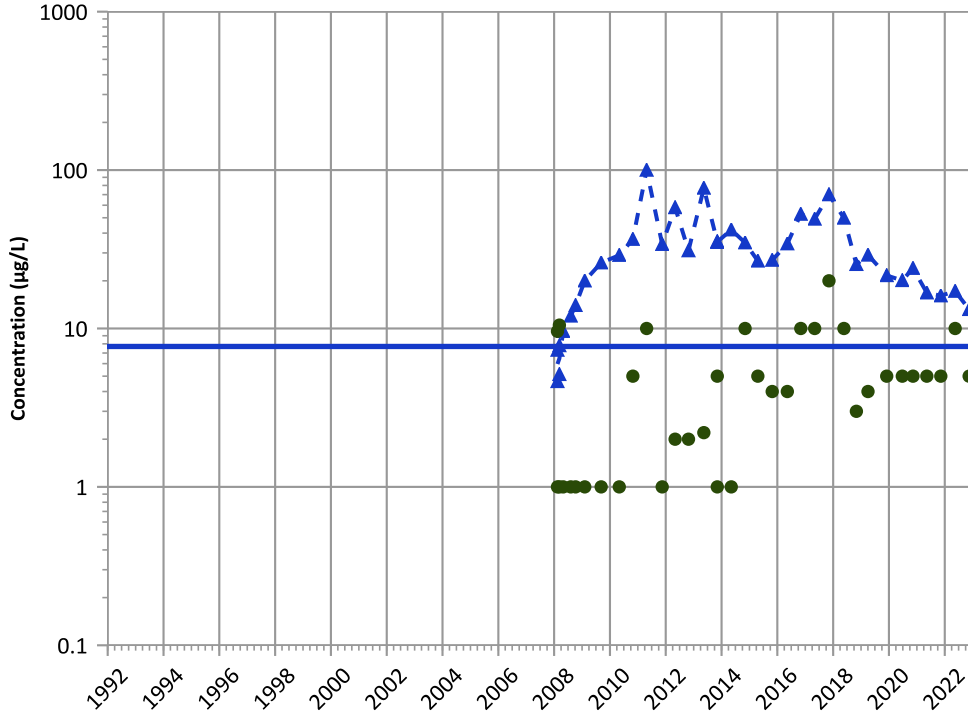
Well Location





PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

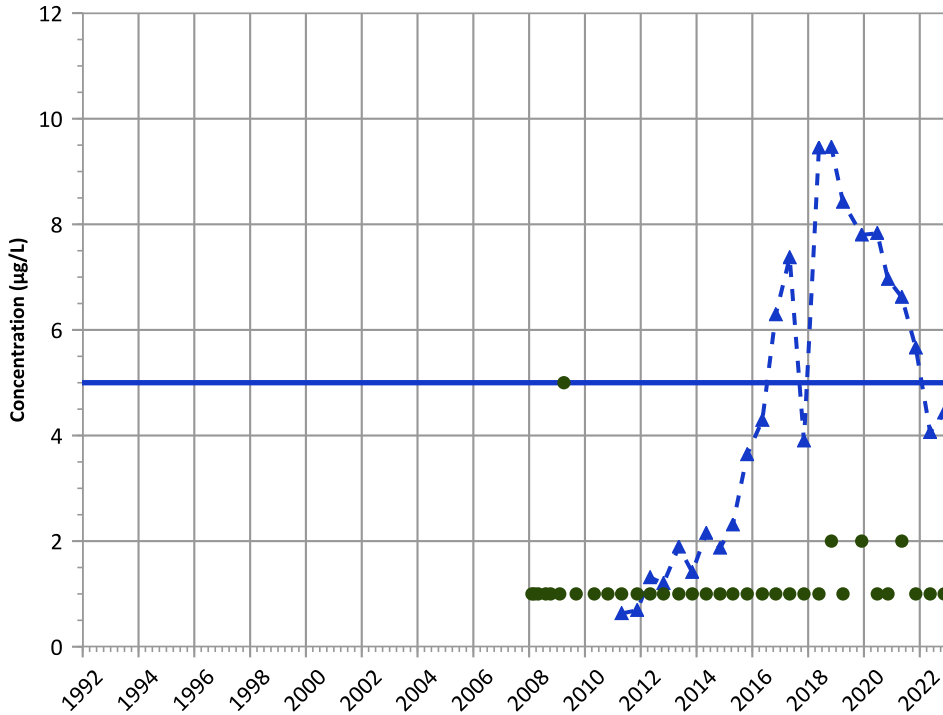


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

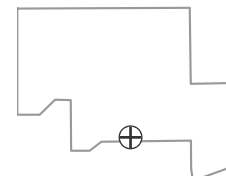
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

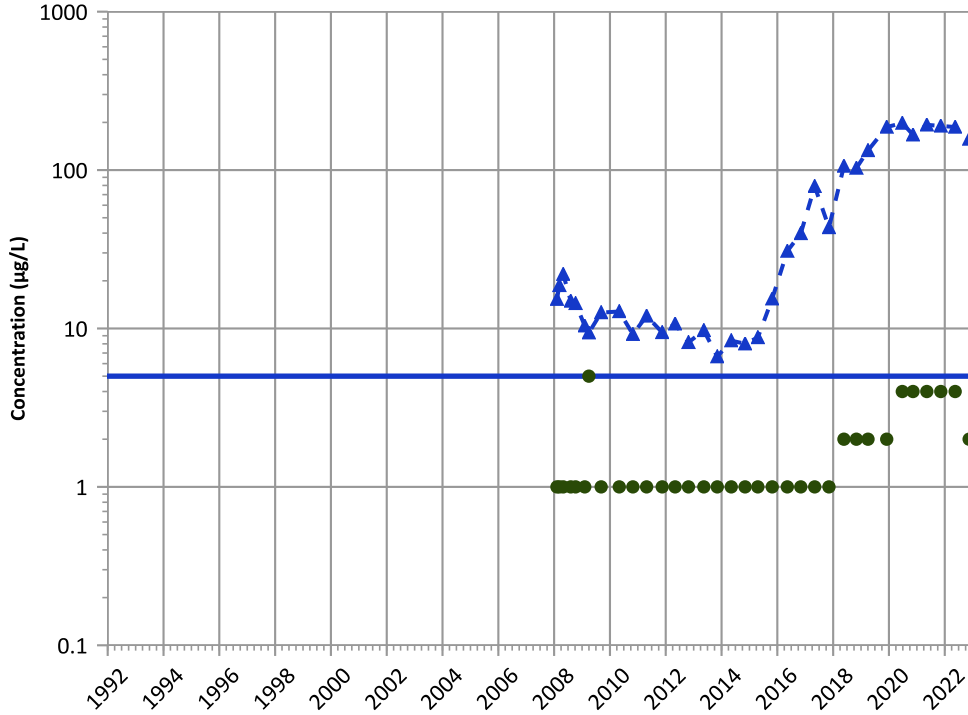
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

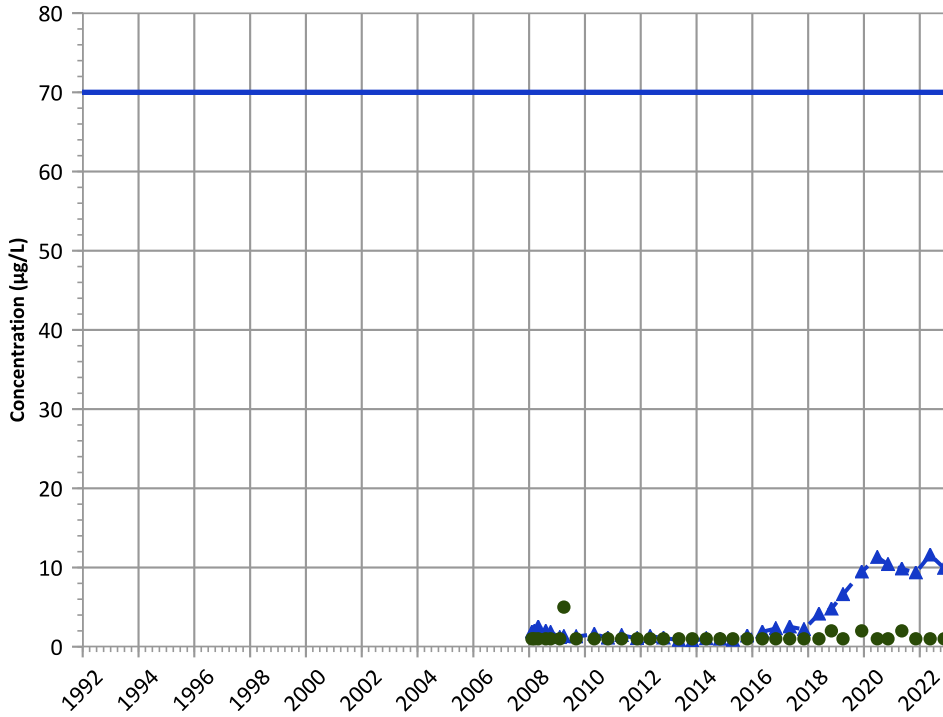
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

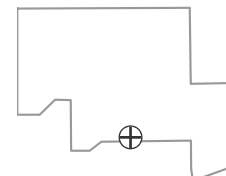
2020 - 2022 Data:

No Trend

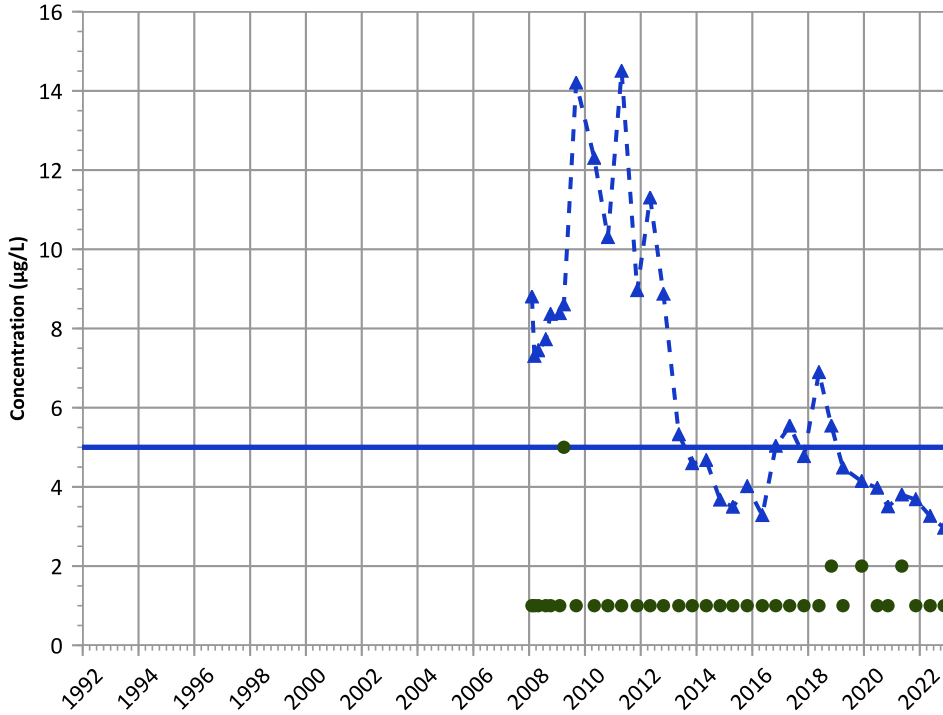
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

**MAROS Linear Regression Method**

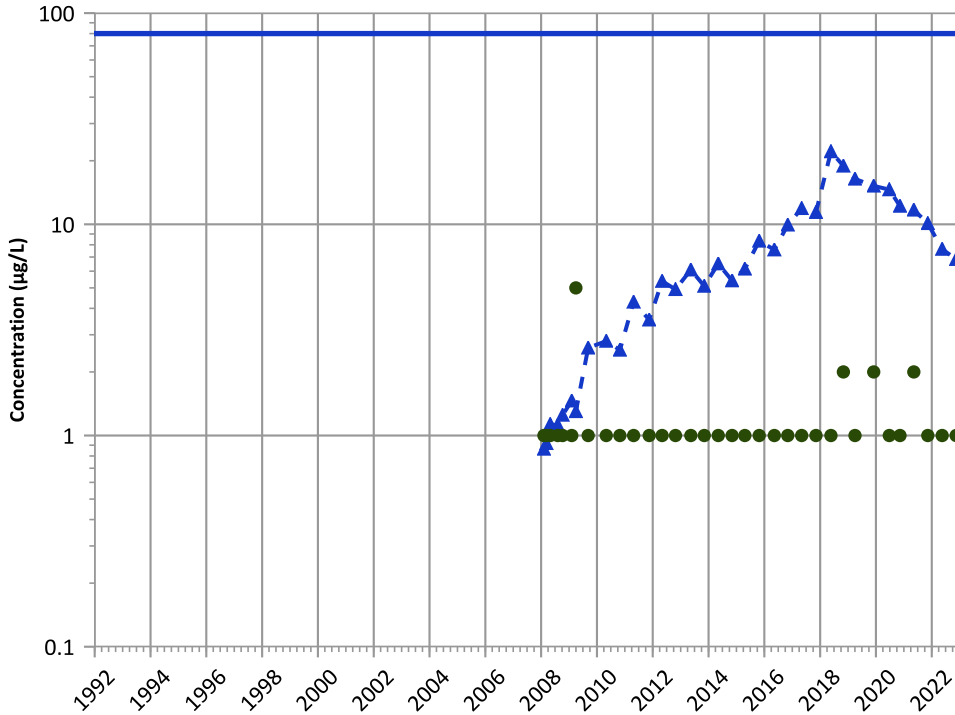
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Increasing

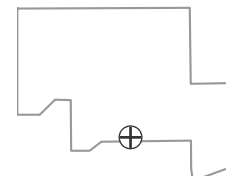
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

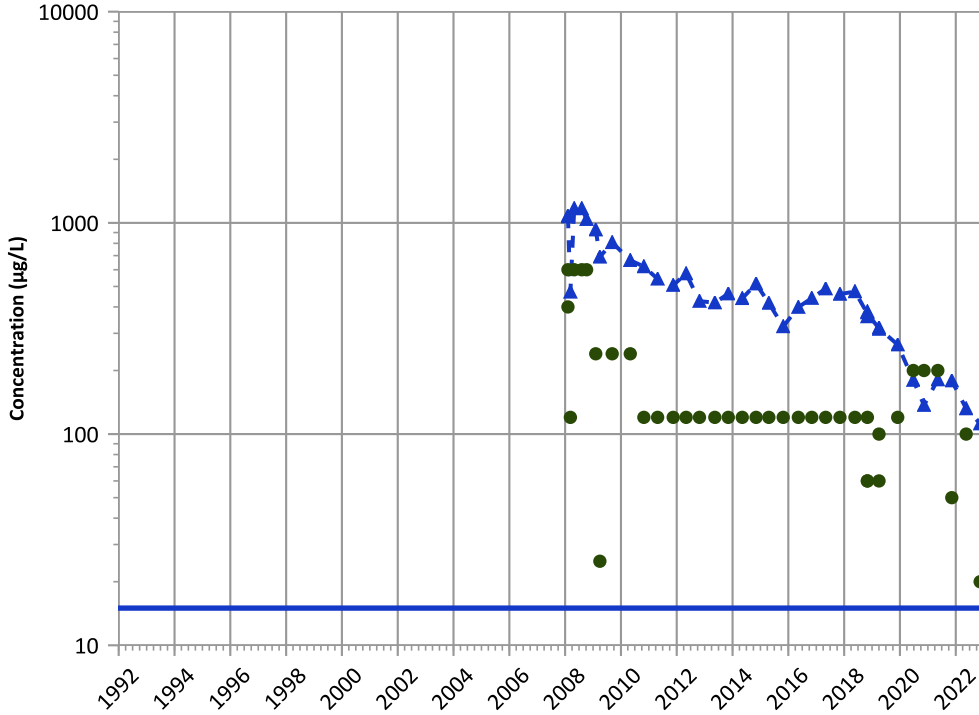
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

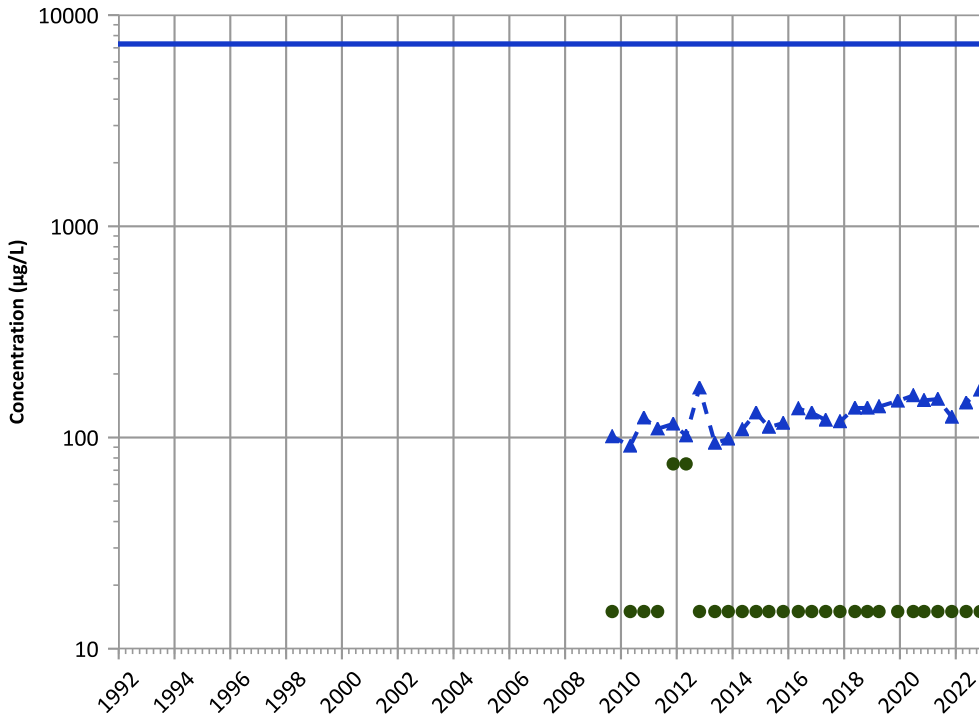


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Boron Trend

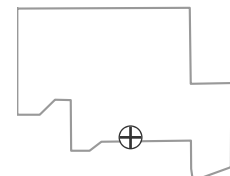


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

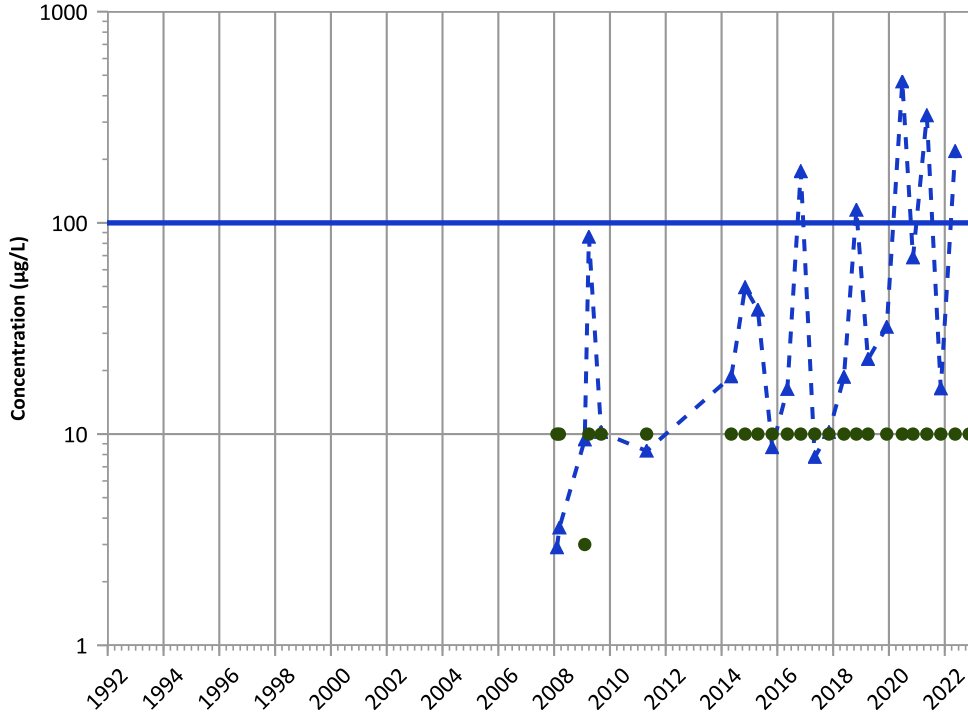


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

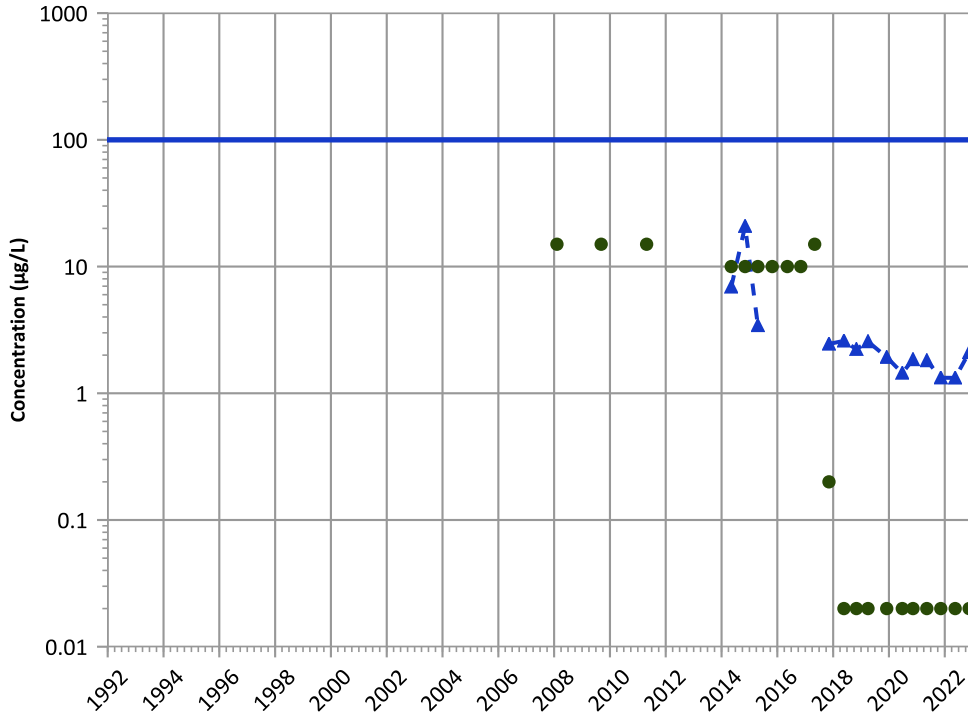
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

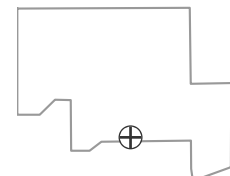
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

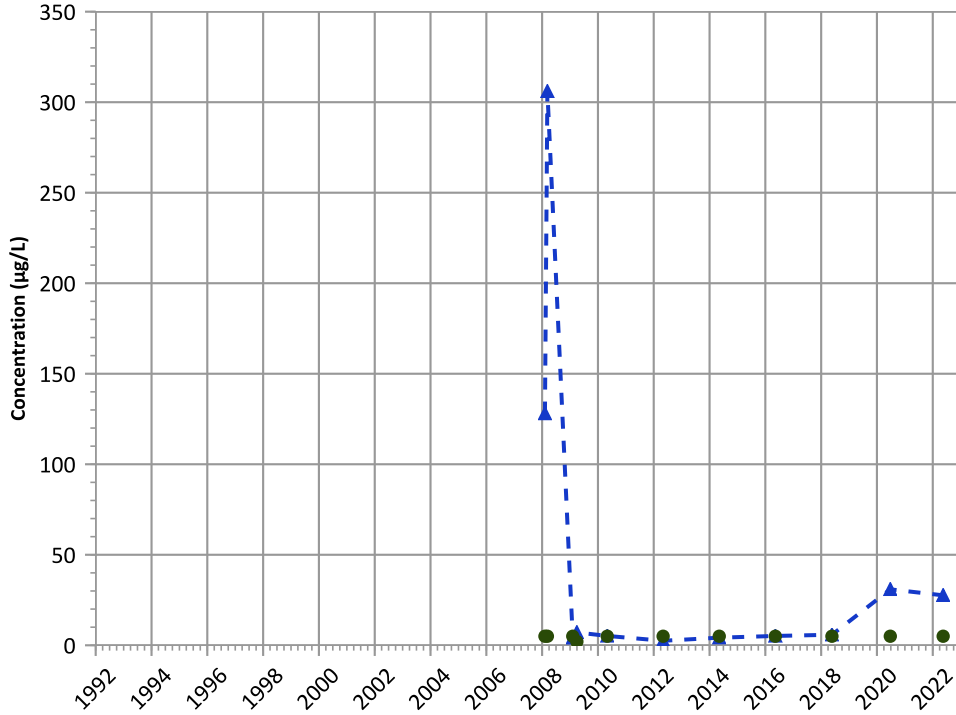
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

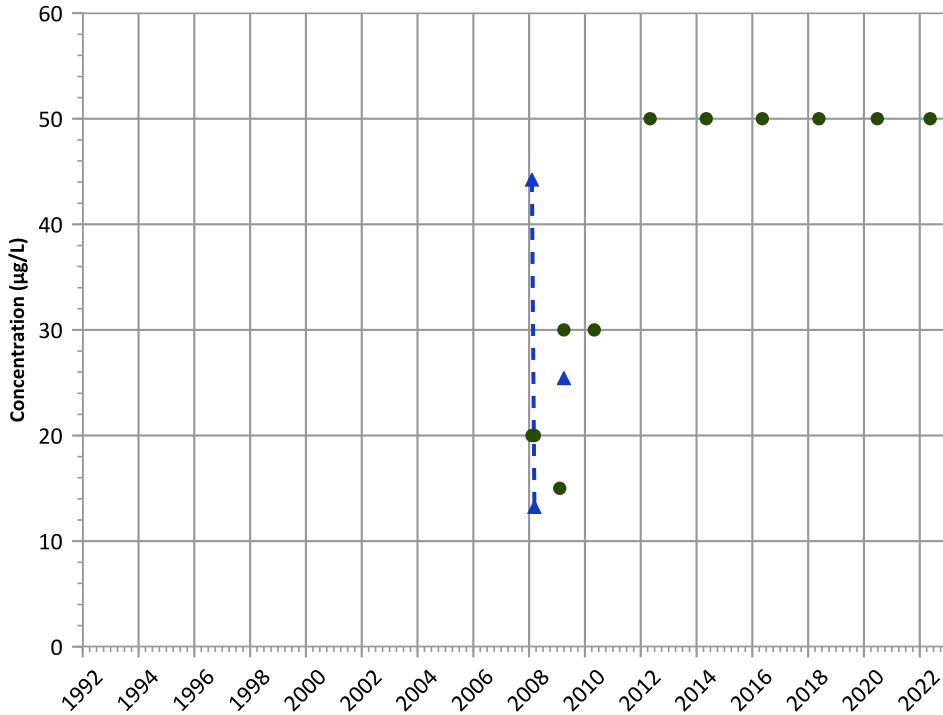
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

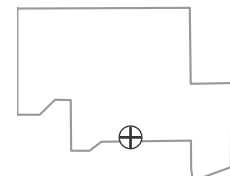
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

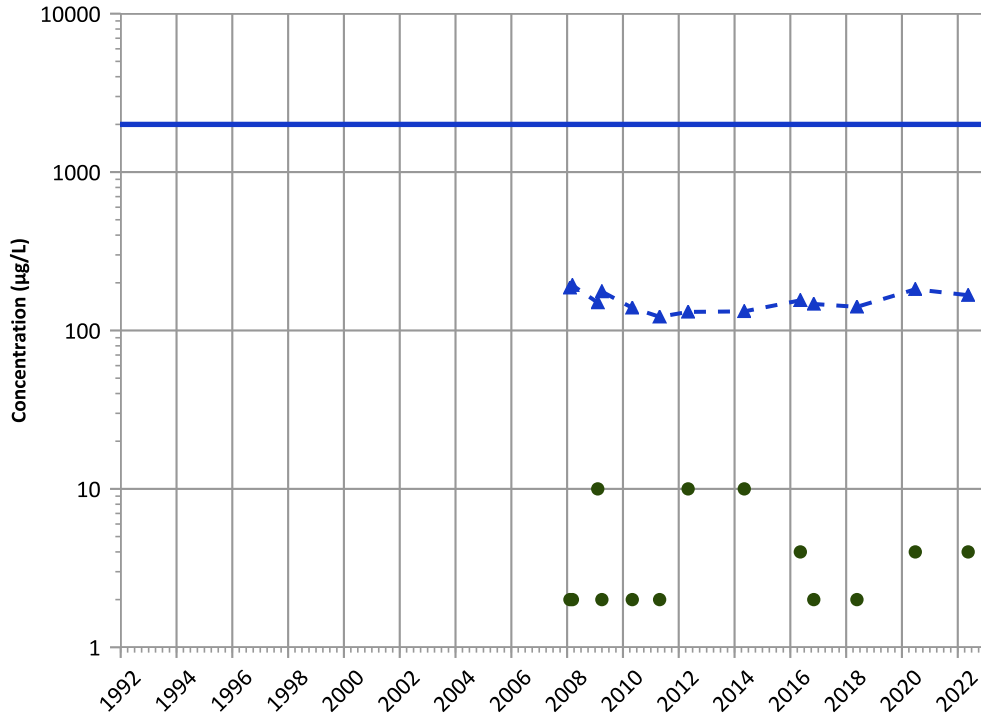


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

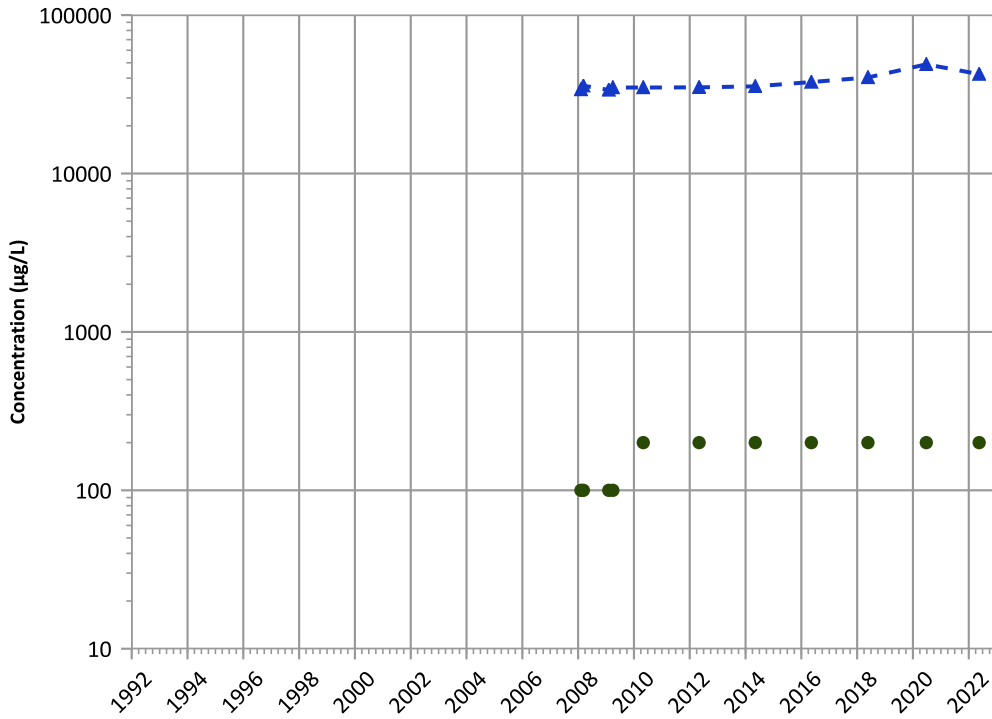
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

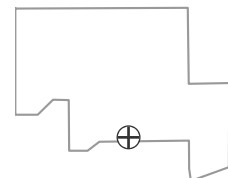
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

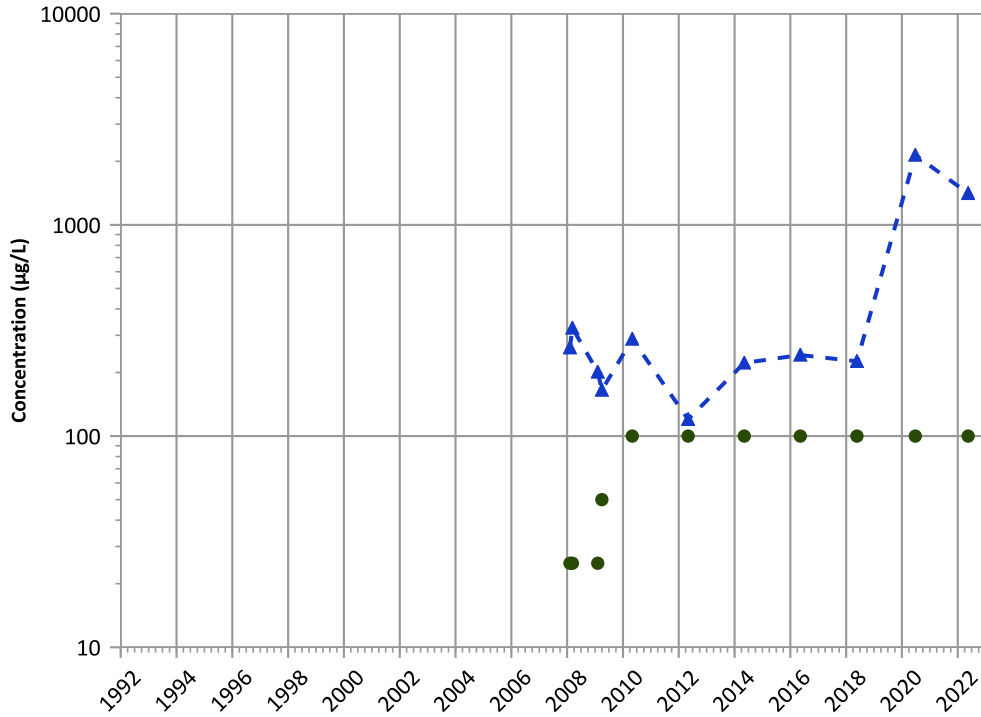
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

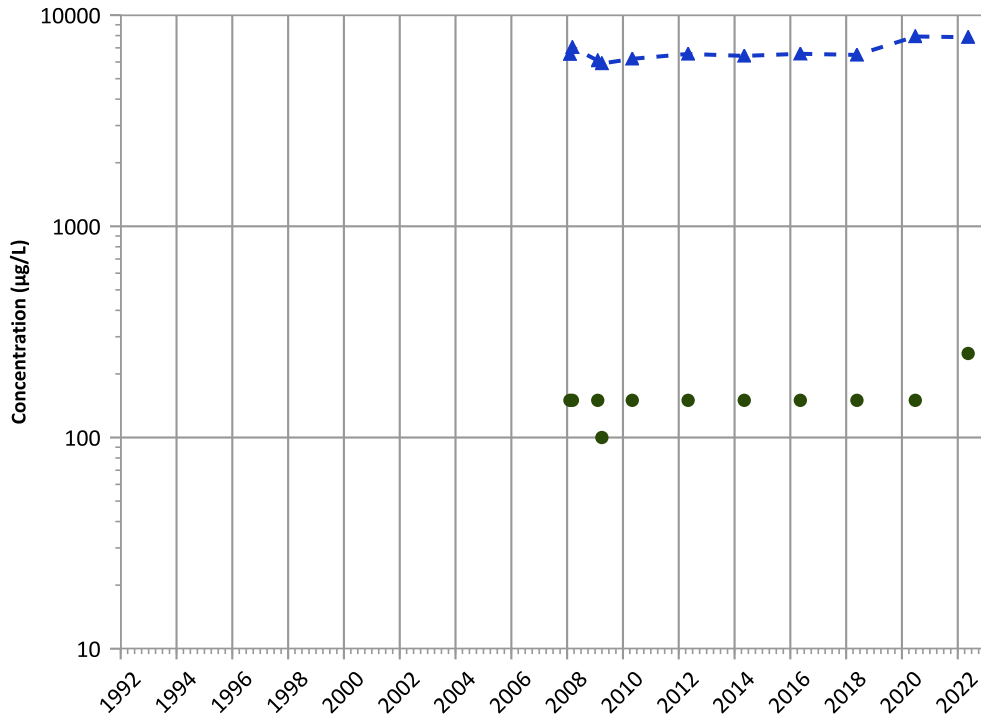


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Potassium Trend



Concentration Trend

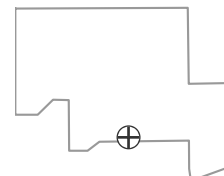
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

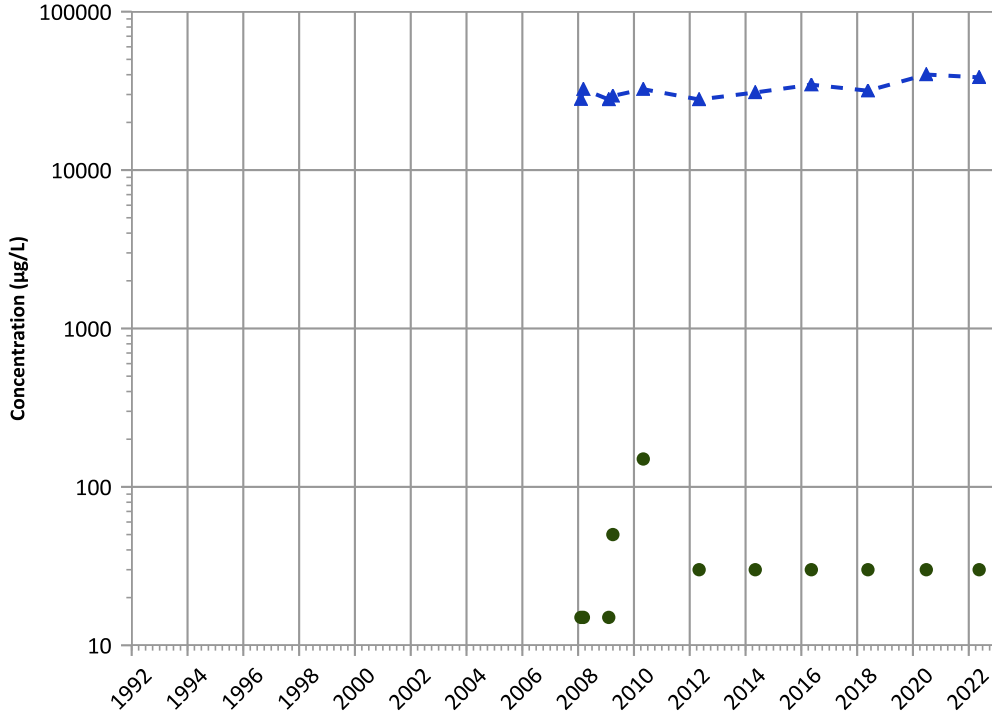
Well Location





PTX06-1127 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

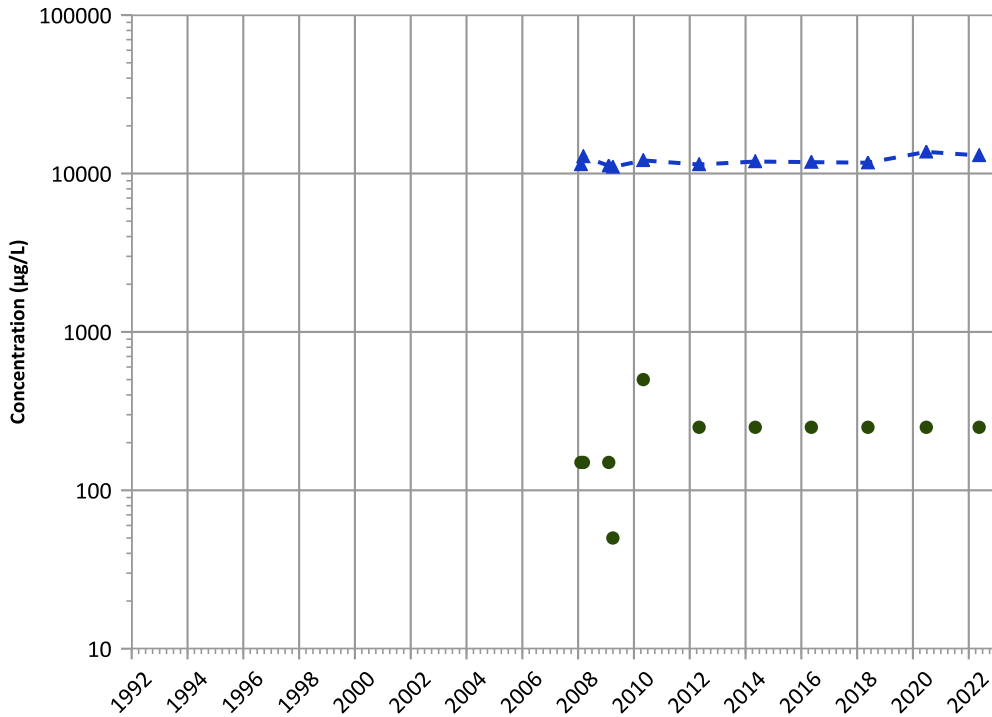


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Sodium Trend



Concentration Trend

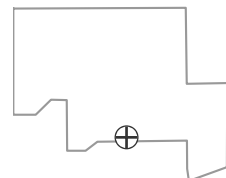
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

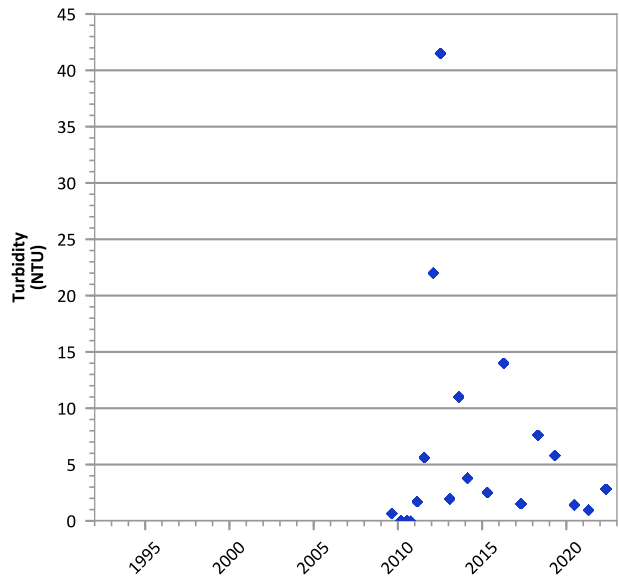
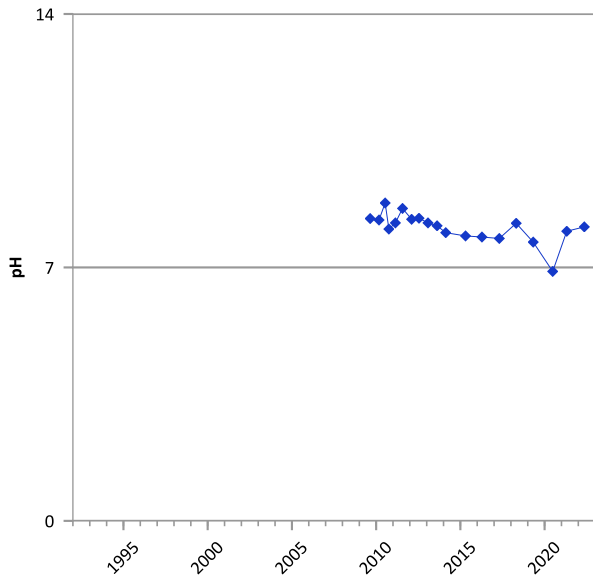
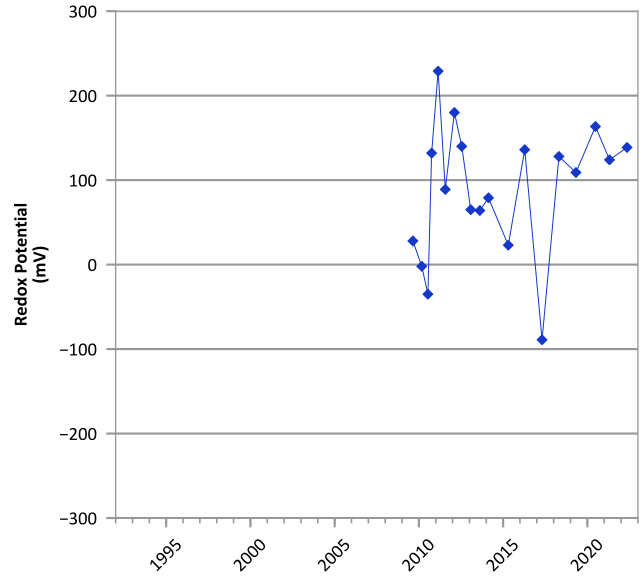
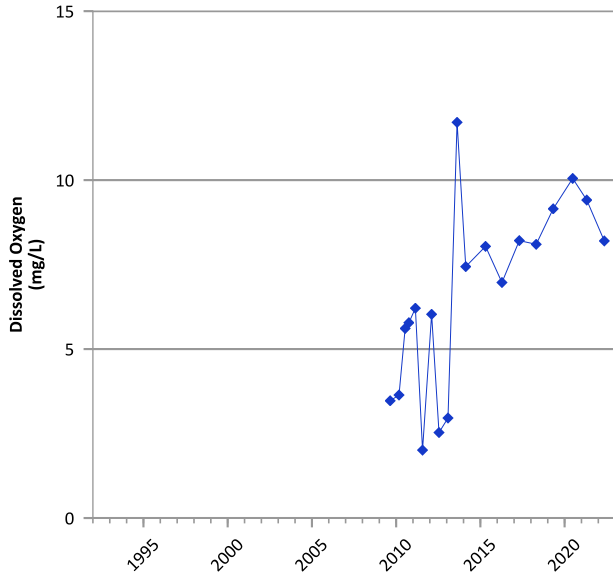
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/07/2008 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

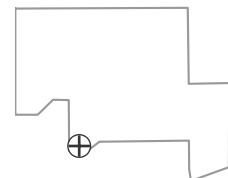


**PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



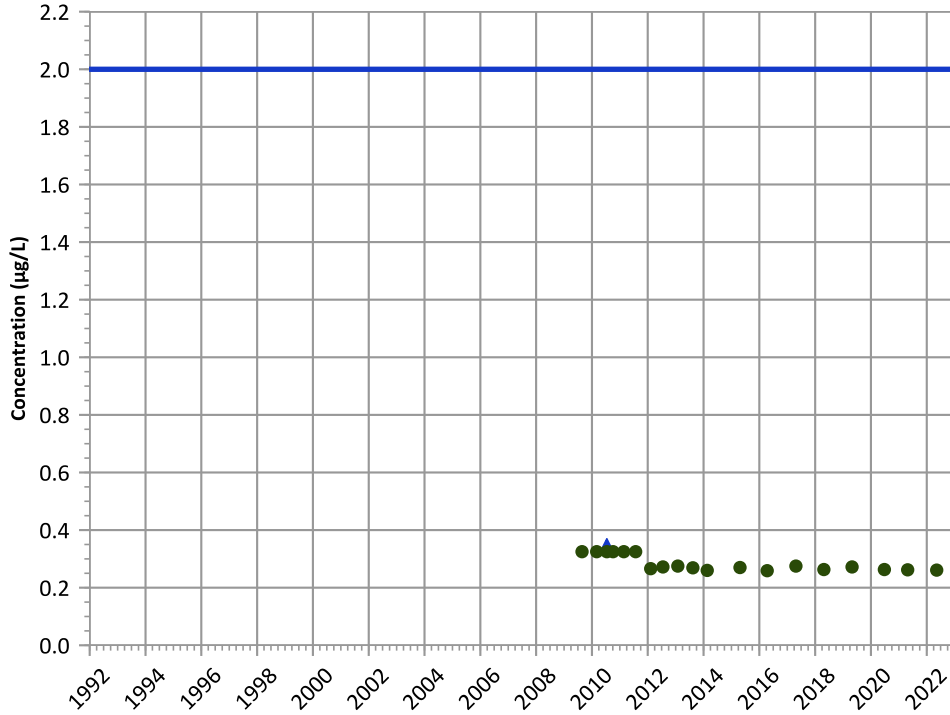
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/24/2009 to 05/11/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

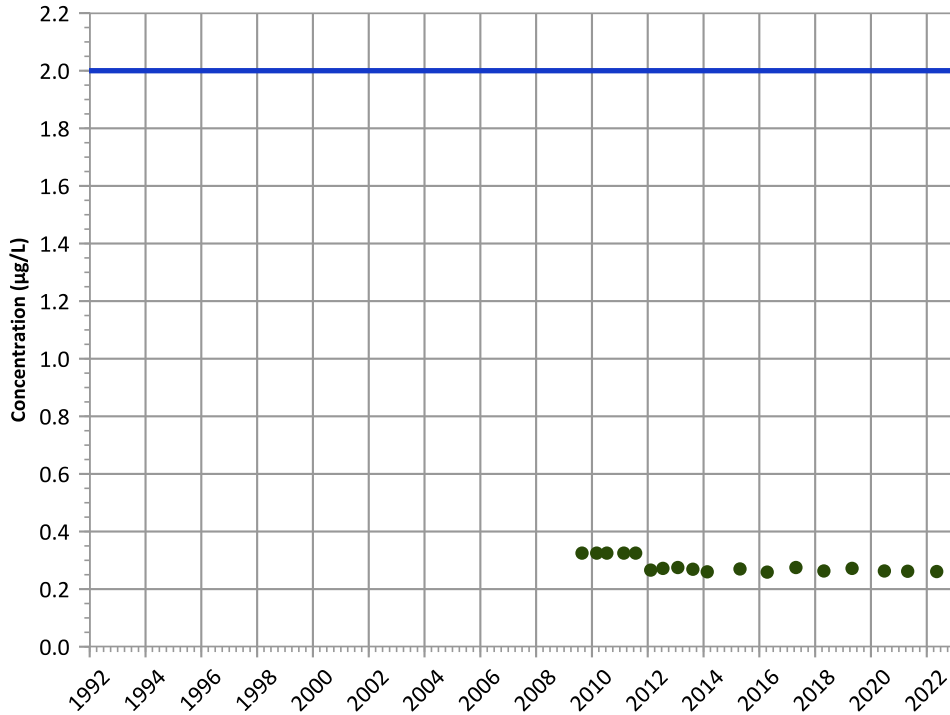


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

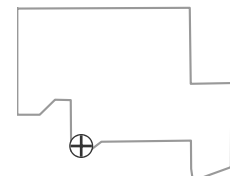
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

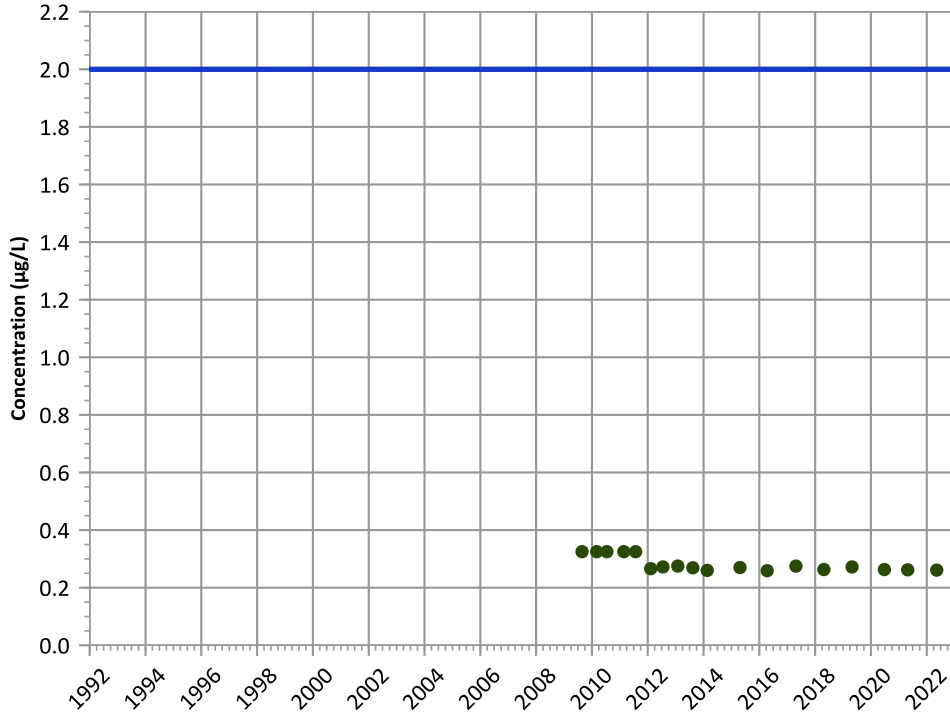
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

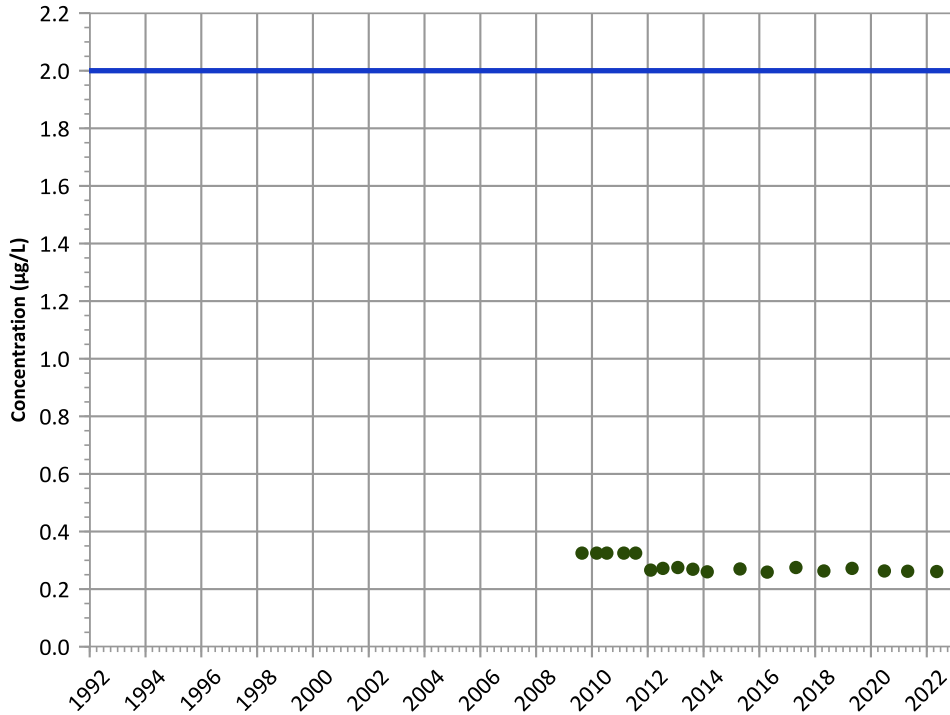


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

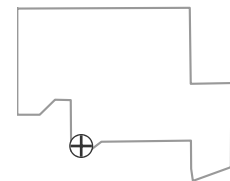


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

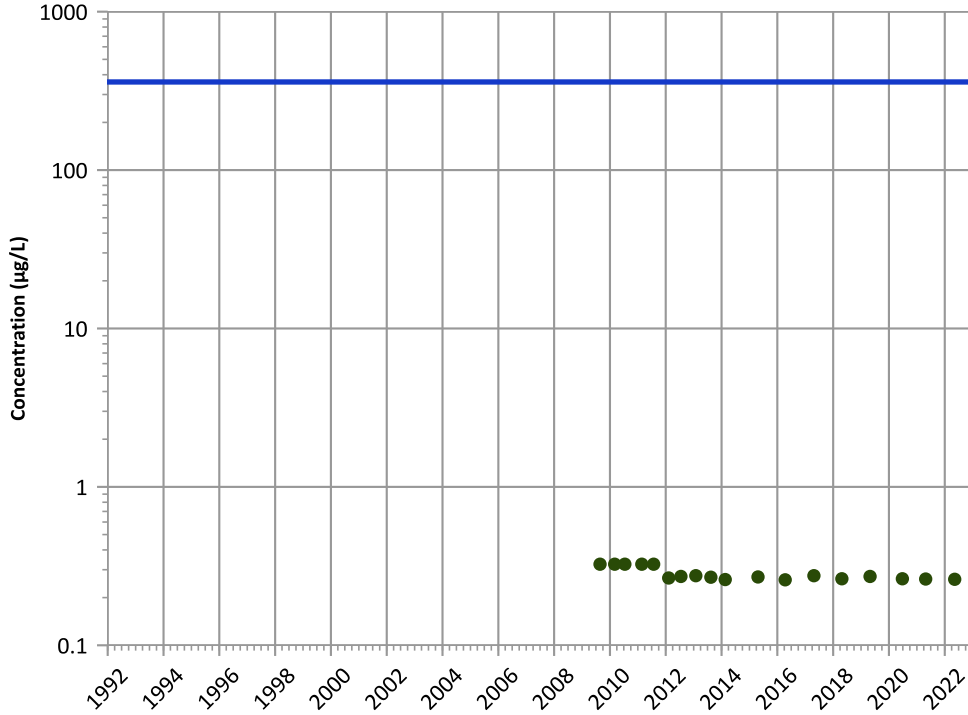


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

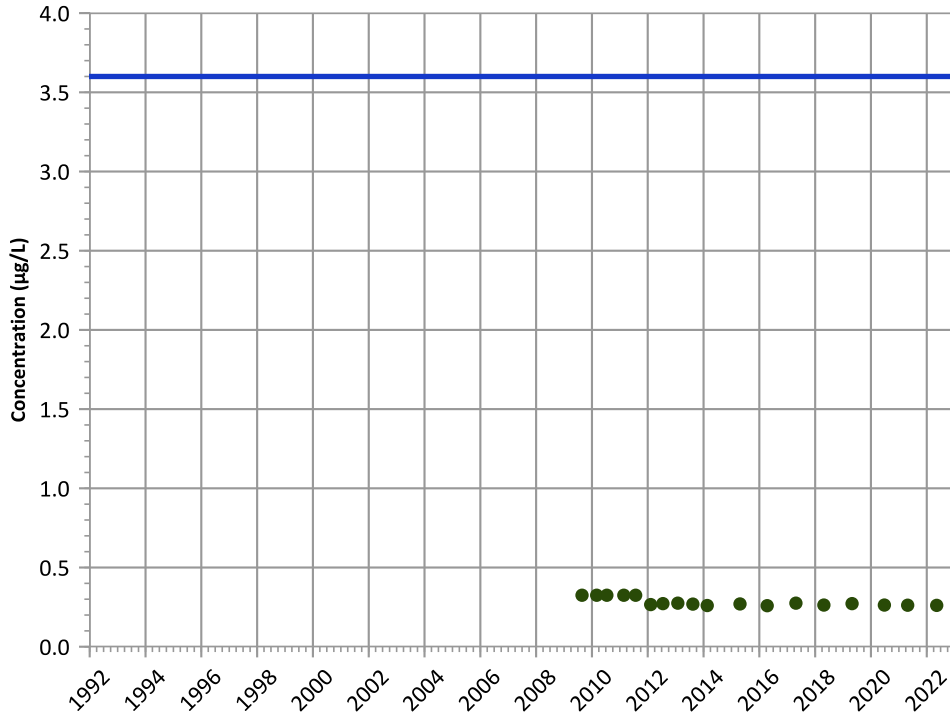
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

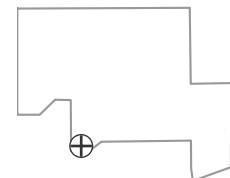
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

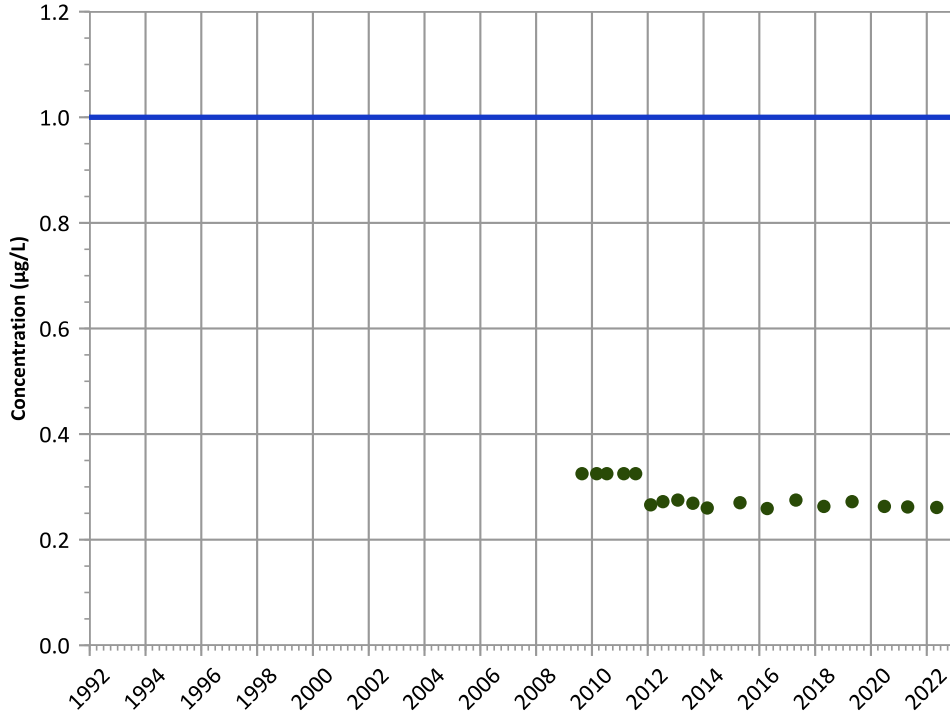
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

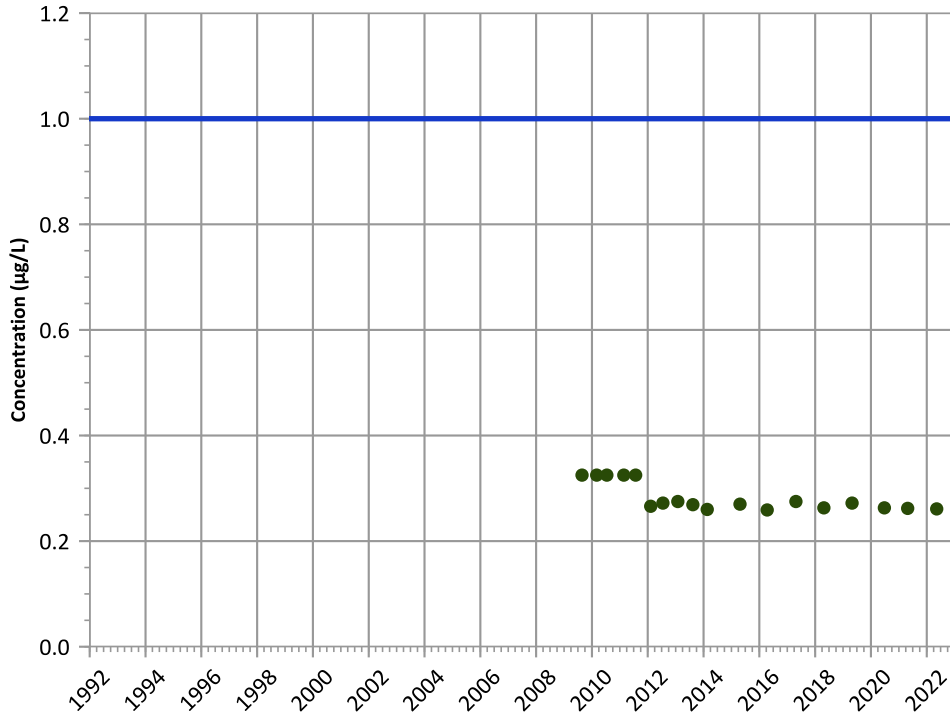
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

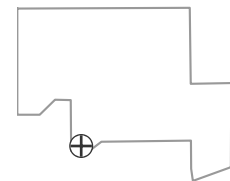
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

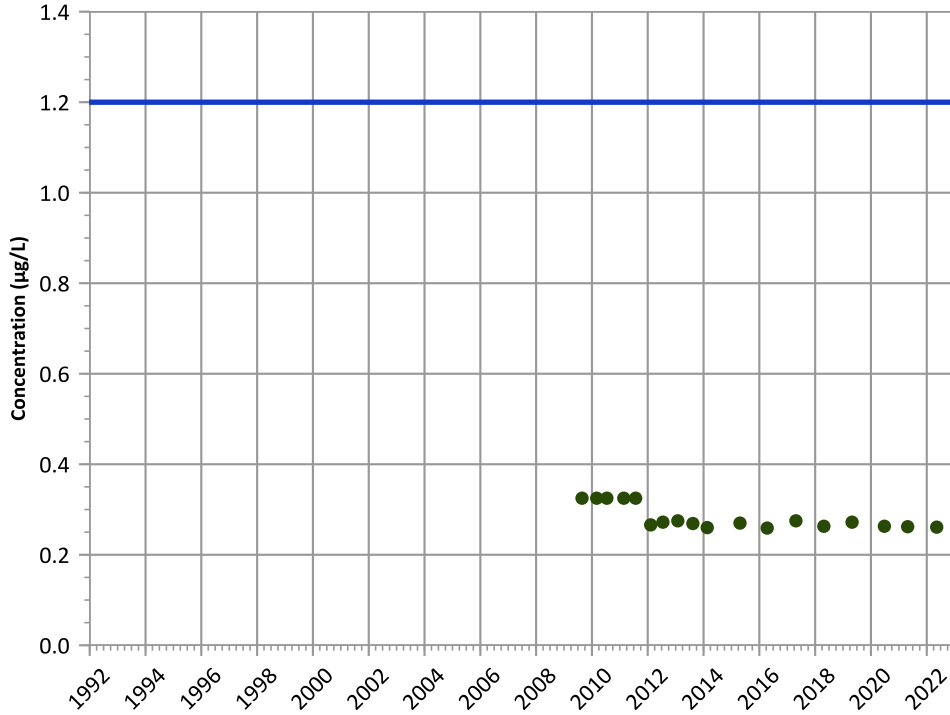


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

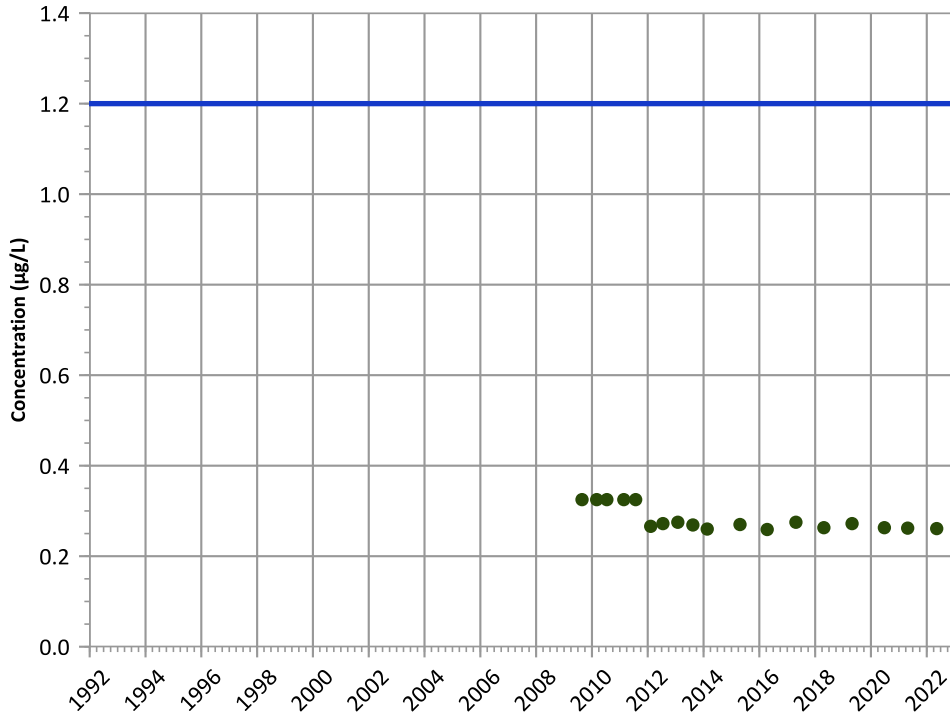
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

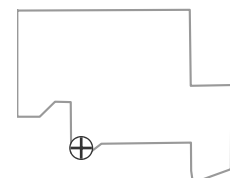
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

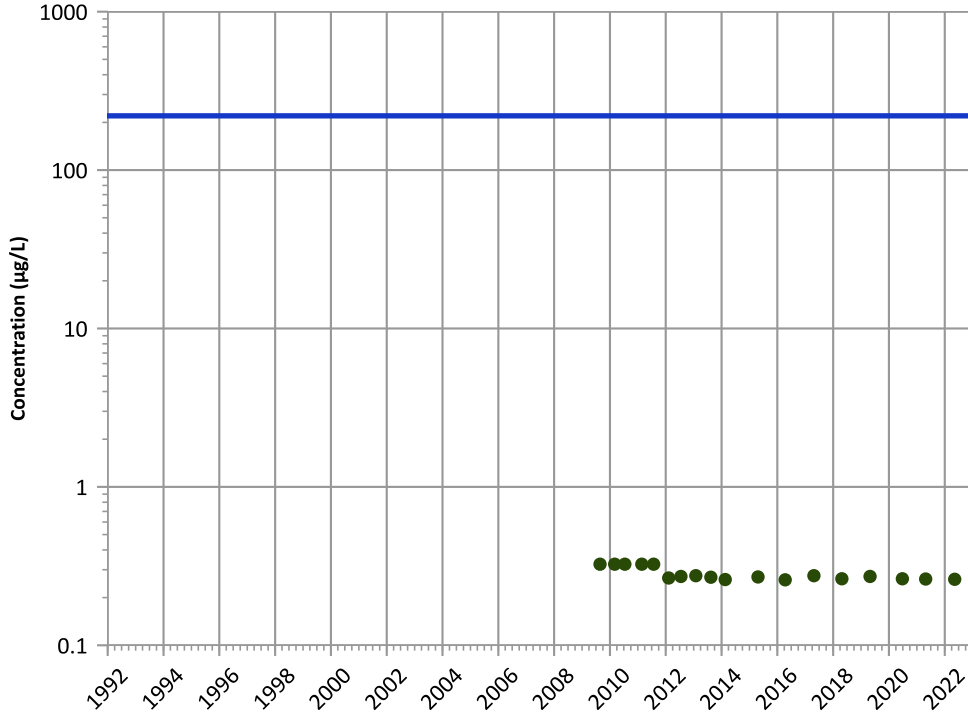


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

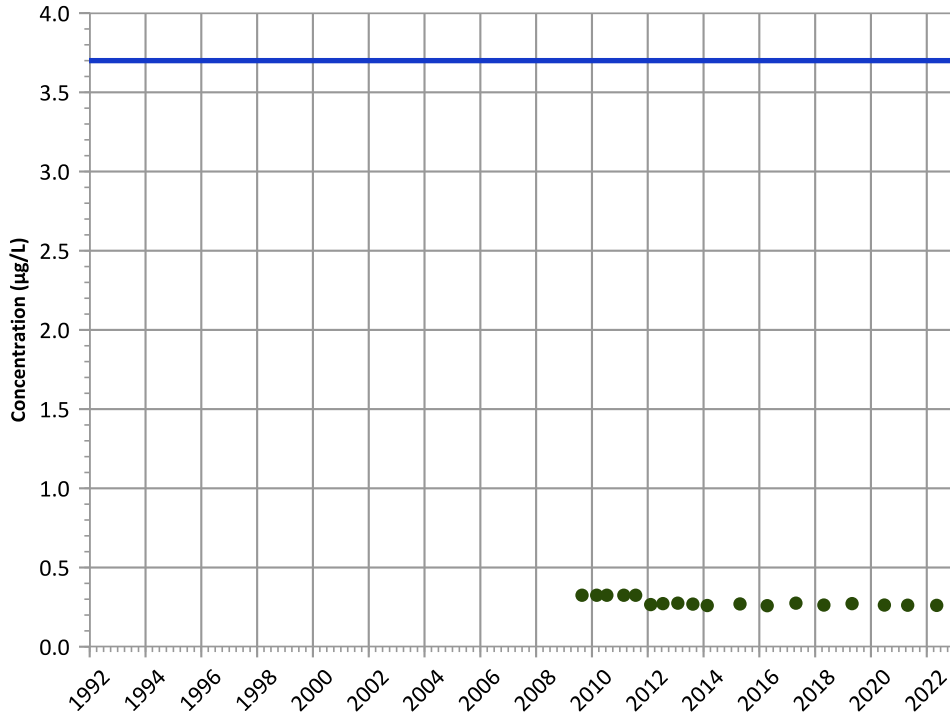
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

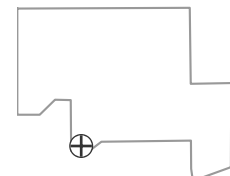
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

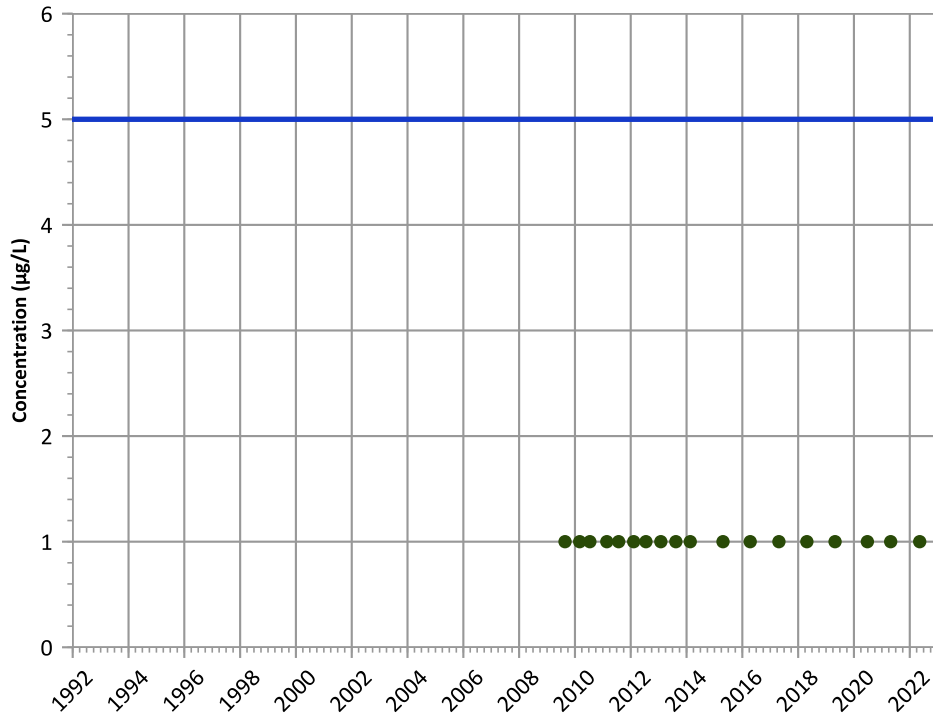
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

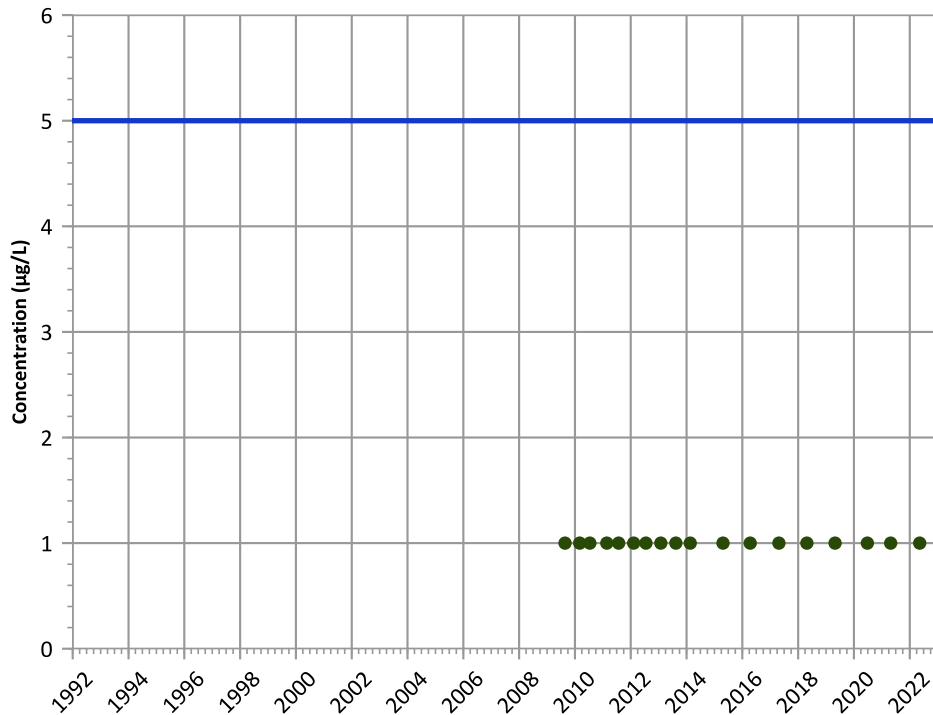
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

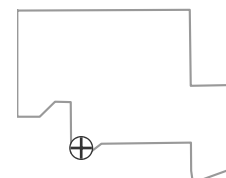
2020 - 2022 Data:

All Non-Detect

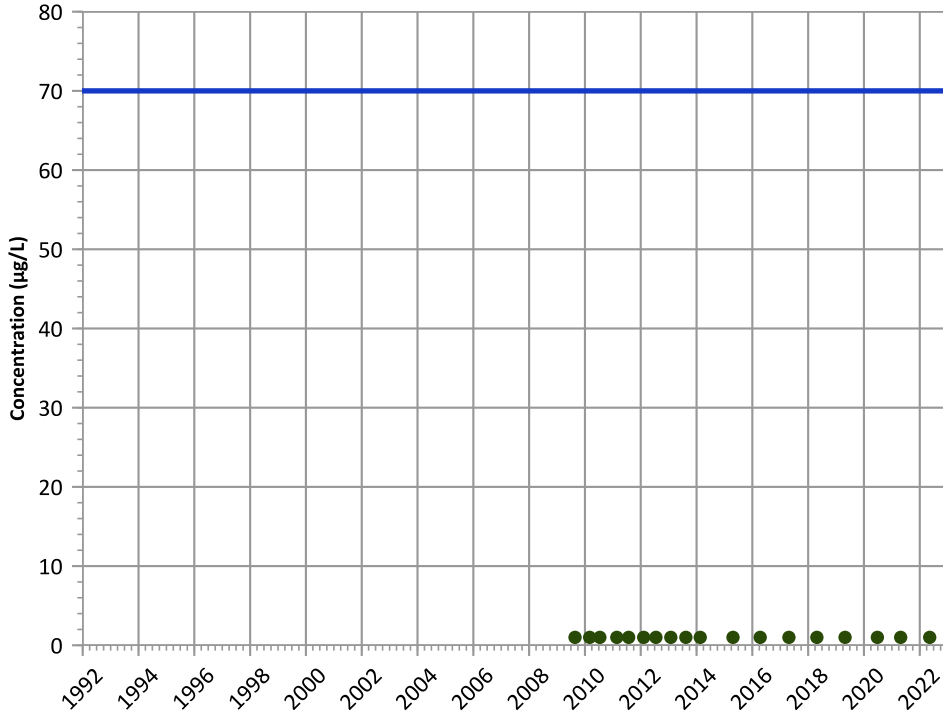
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

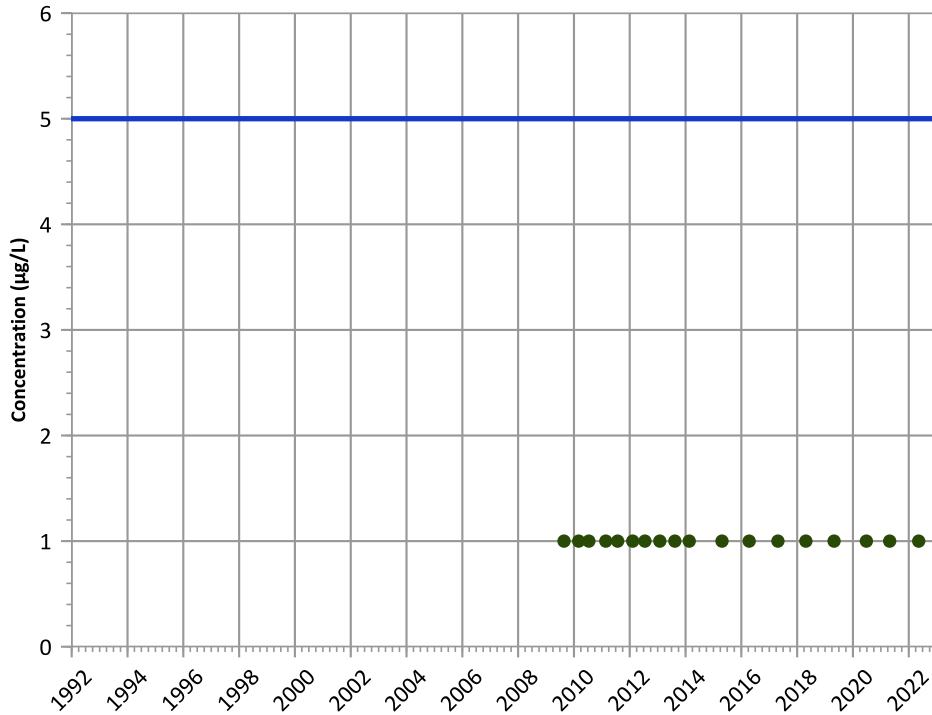
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

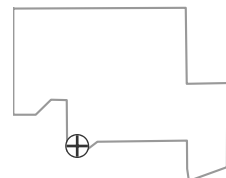
2020 - 2022 Data:

All Non-Detect

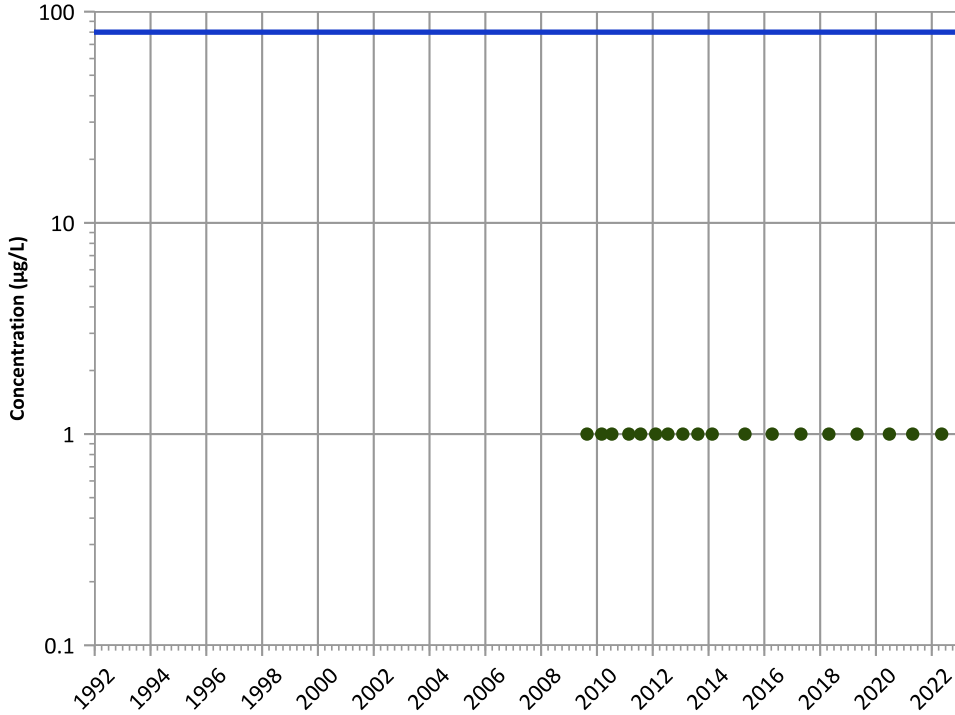
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

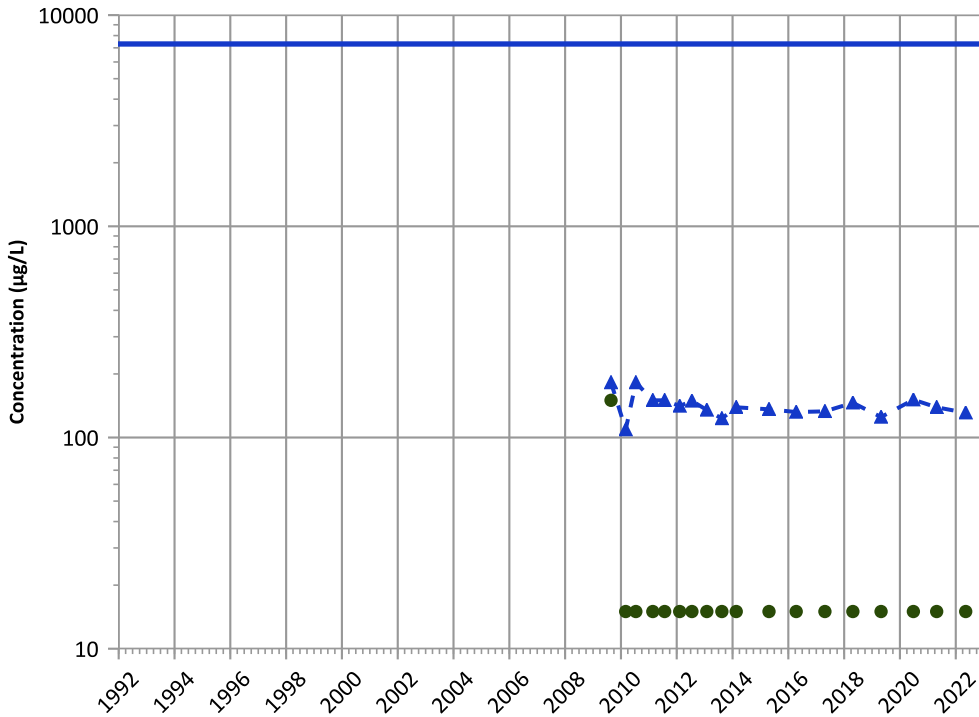


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

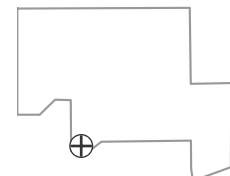


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**Well Location**

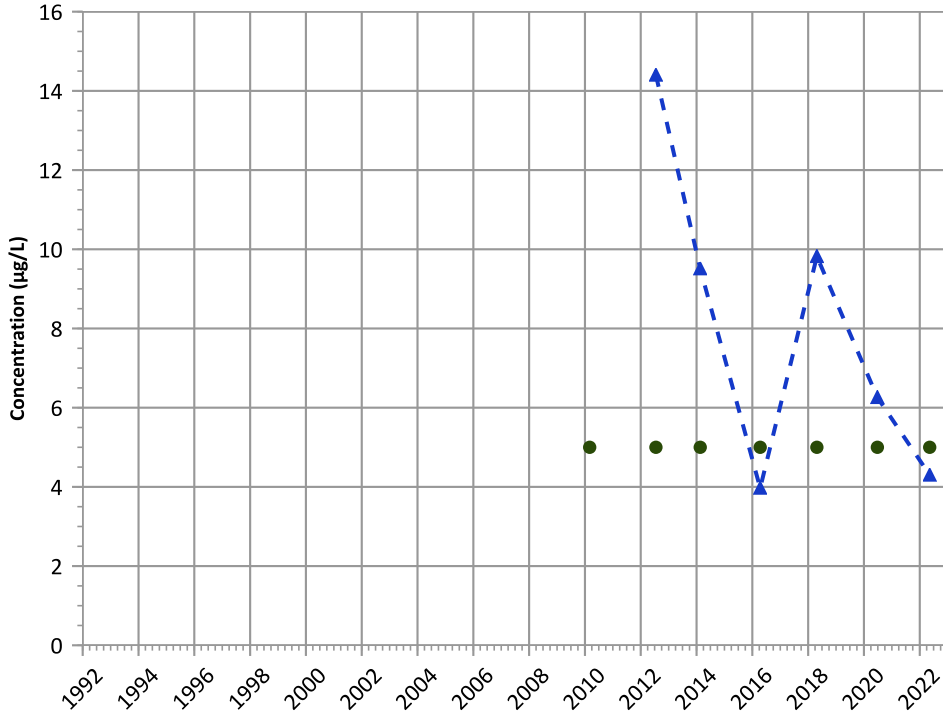


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

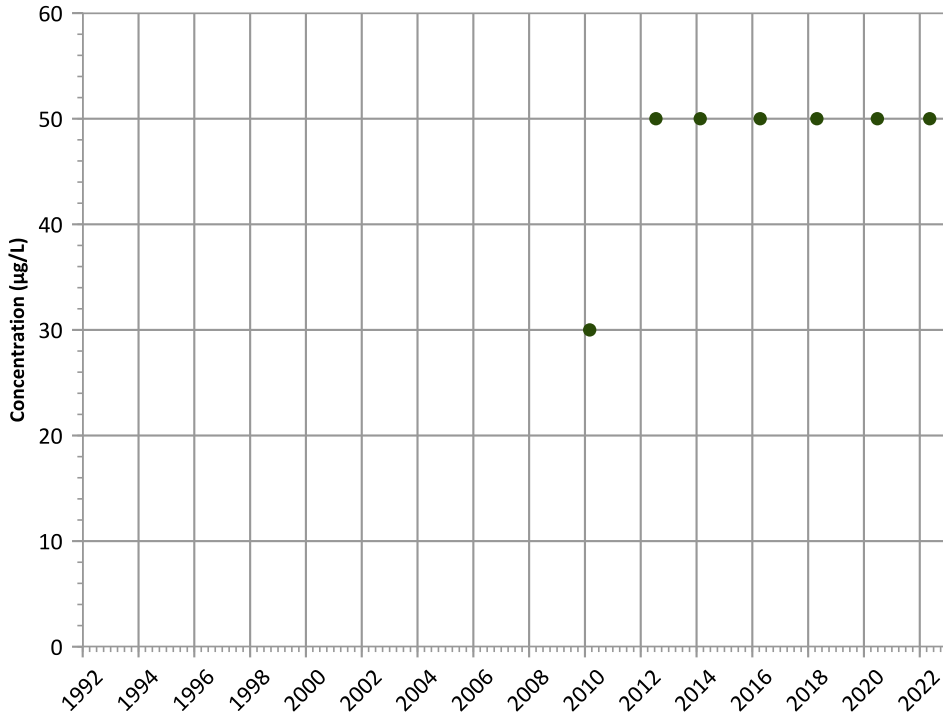


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend

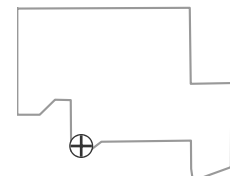


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

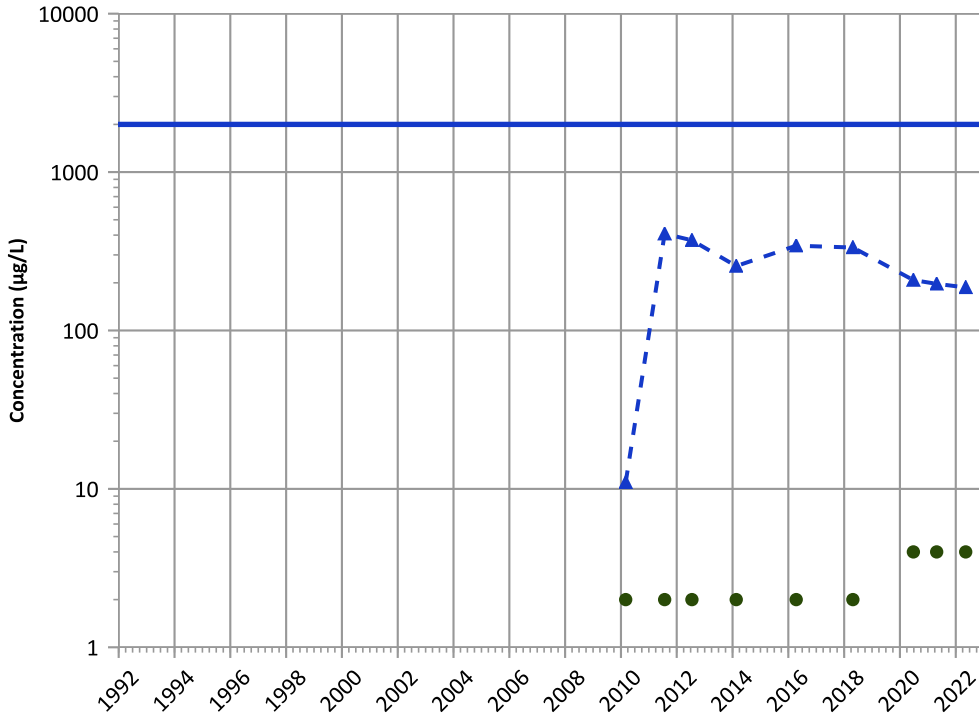


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

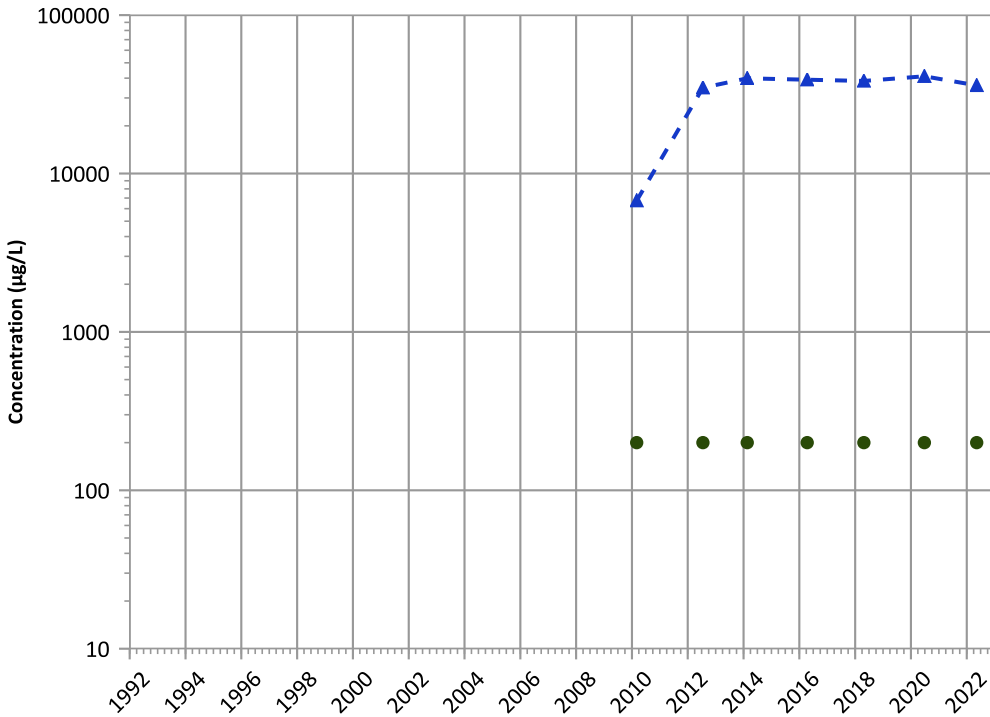


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Decreasing

Calcium Trend



Concentration Trend

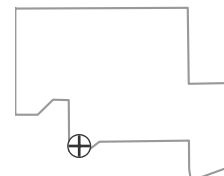
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

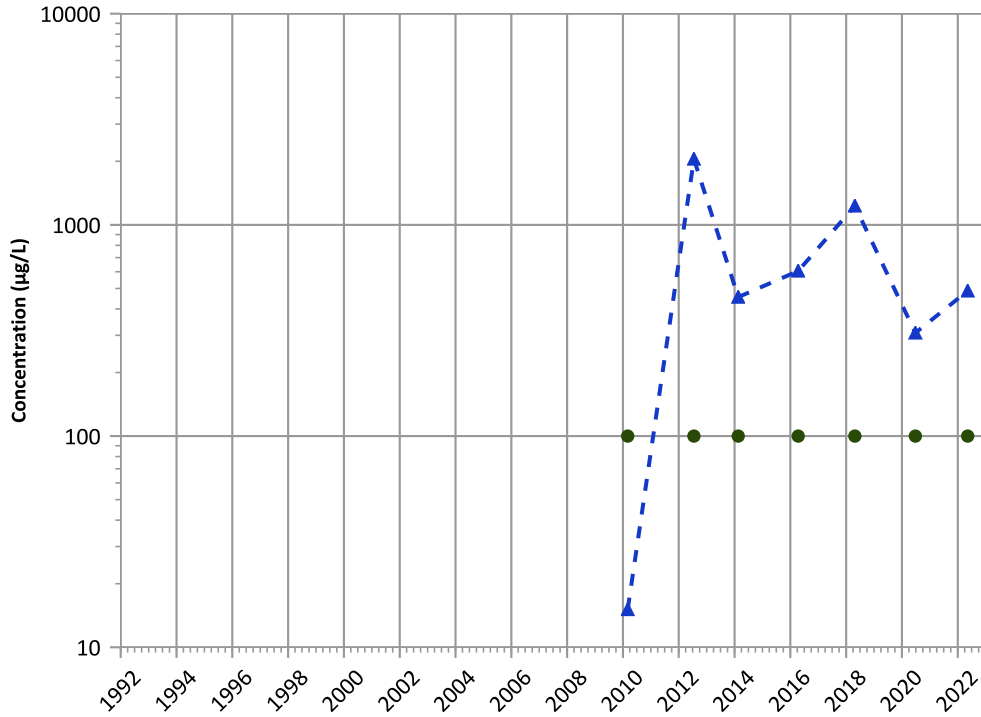
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

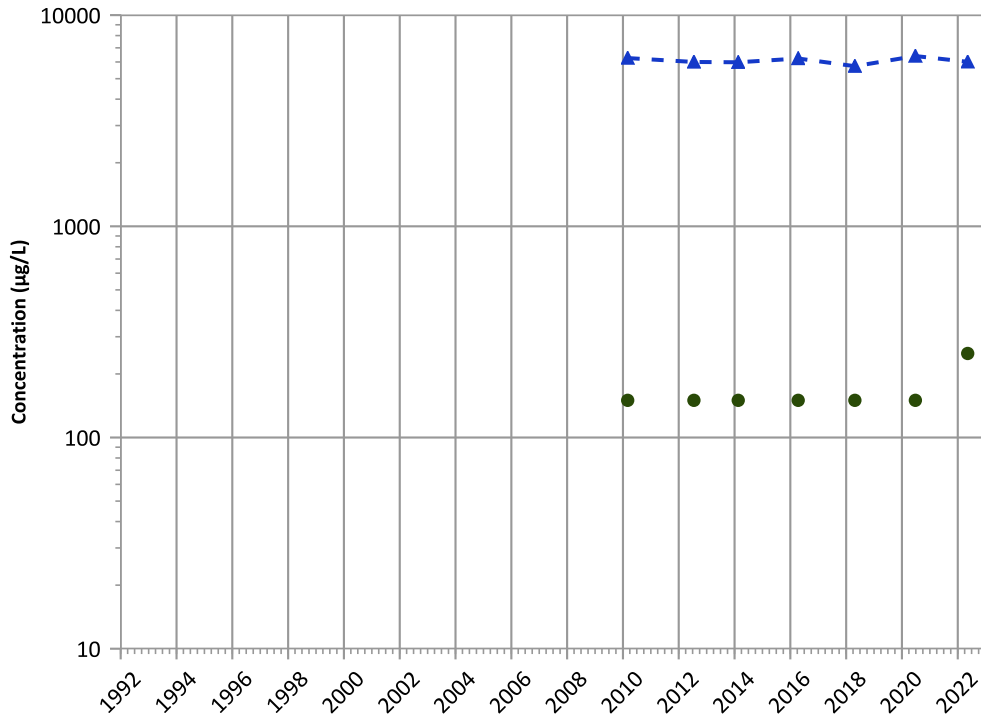


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

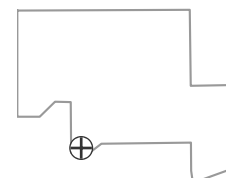
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

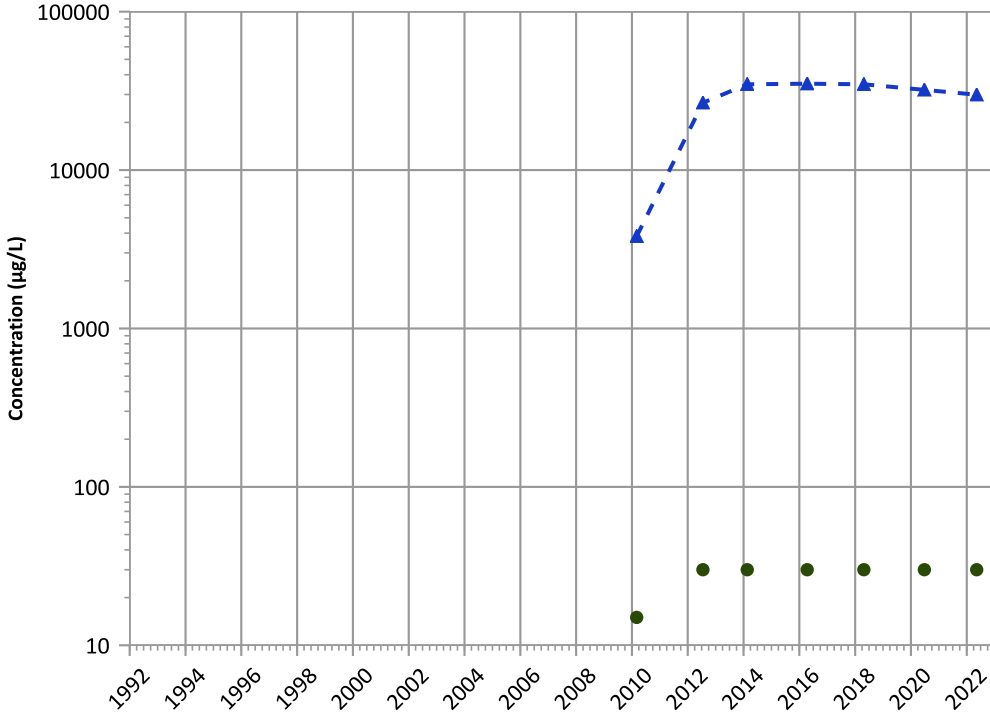
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1131 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

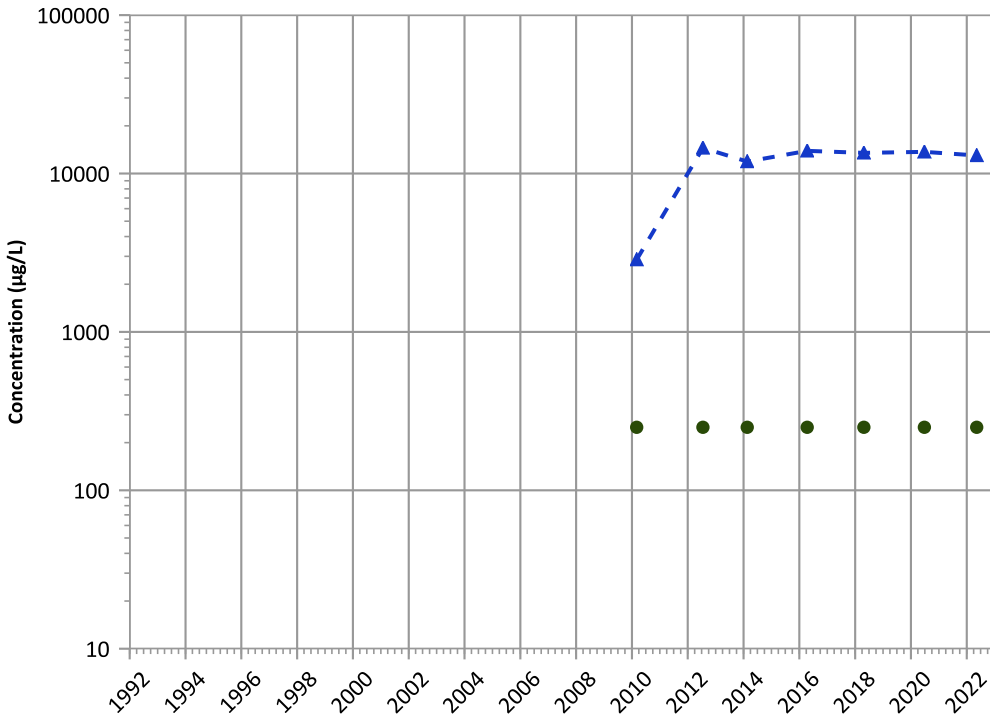


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

Sodium Trend



Concentration Trend

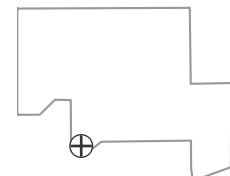
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Decreasing

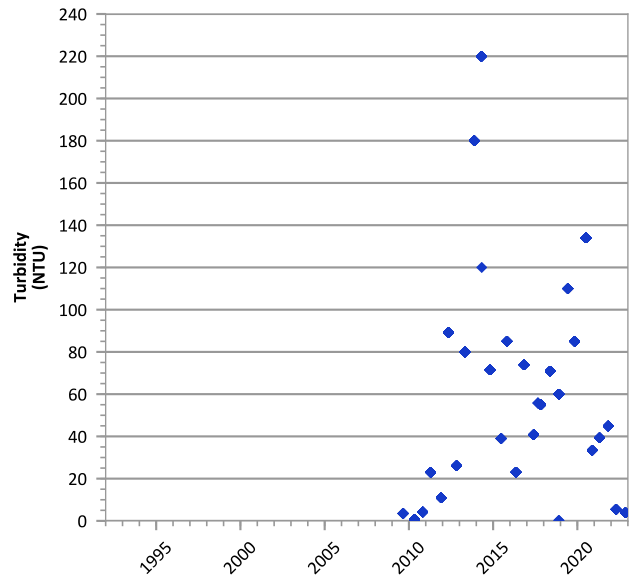
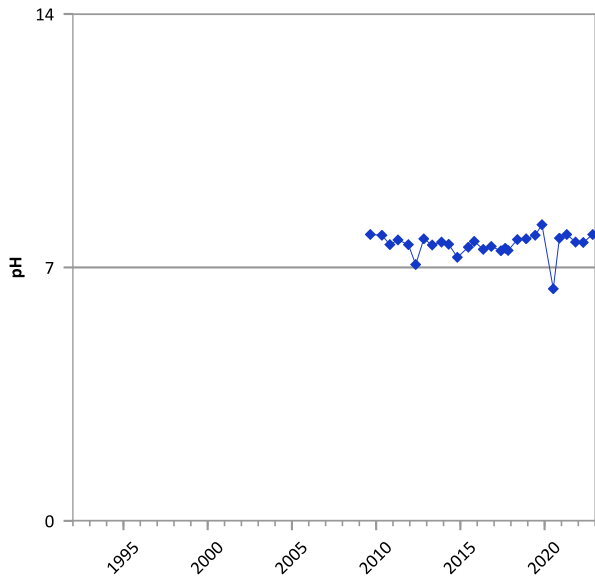
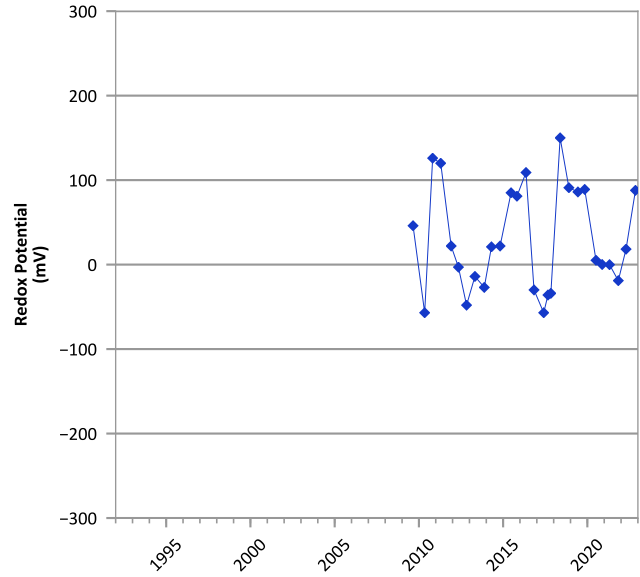
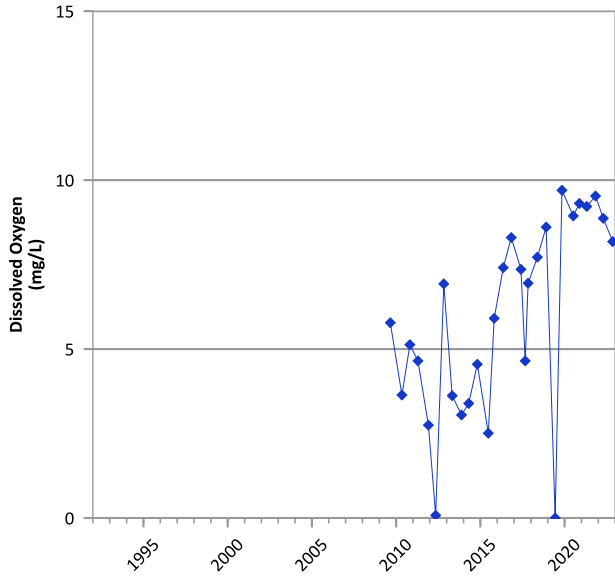
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/24/2009 to 05/11/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

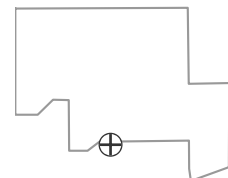


**PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/27/2009 to 11/09/2022  
 Analysis Date: 04/27/2023

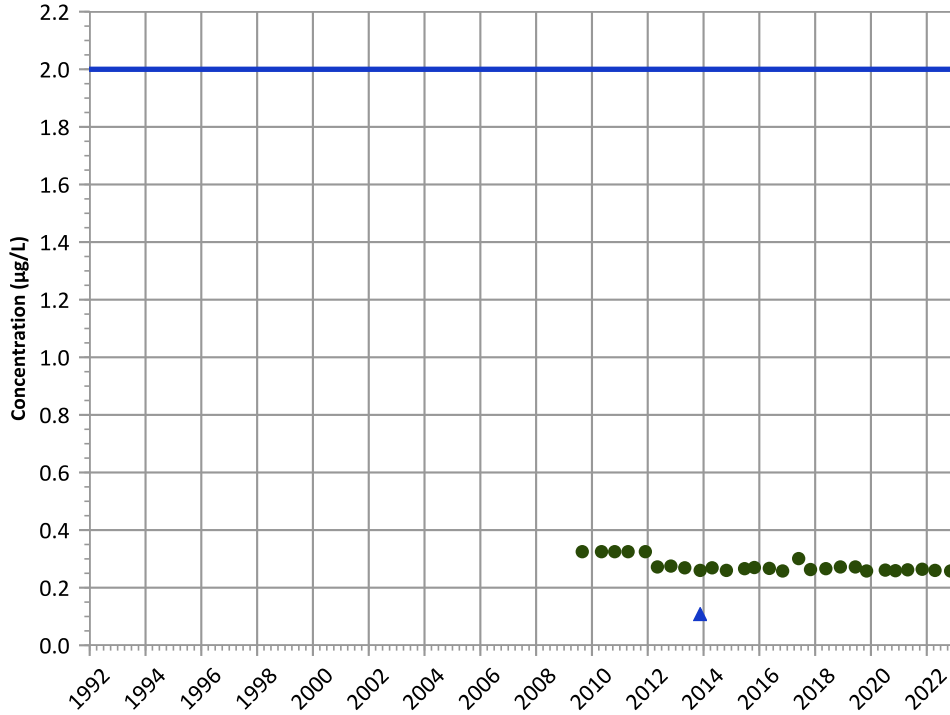
**Well Location**





PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

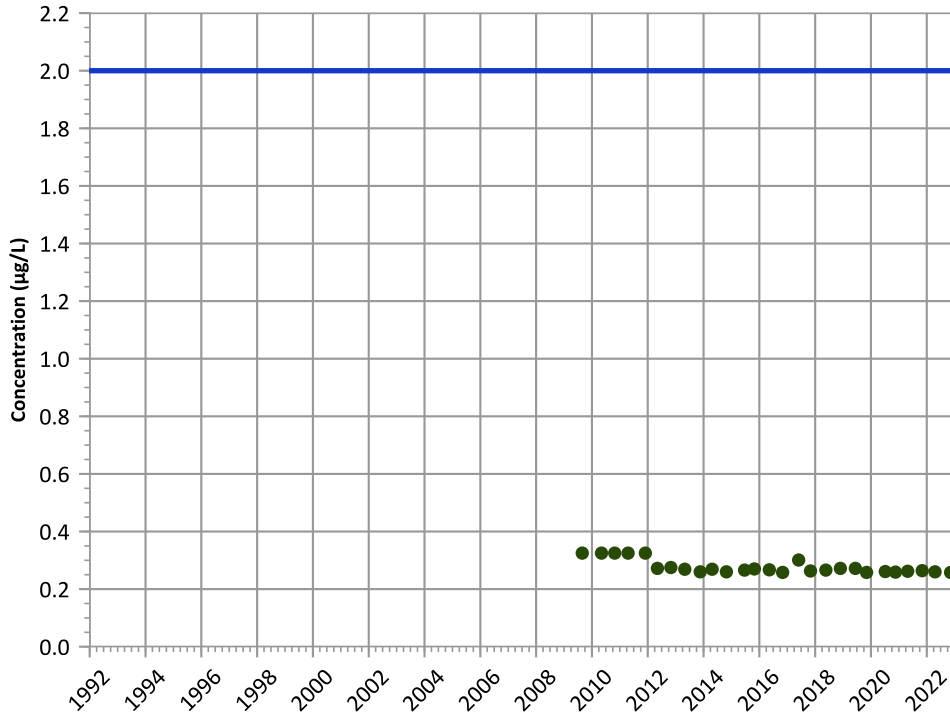


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

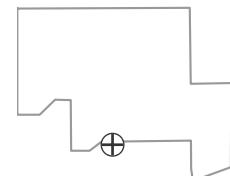


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

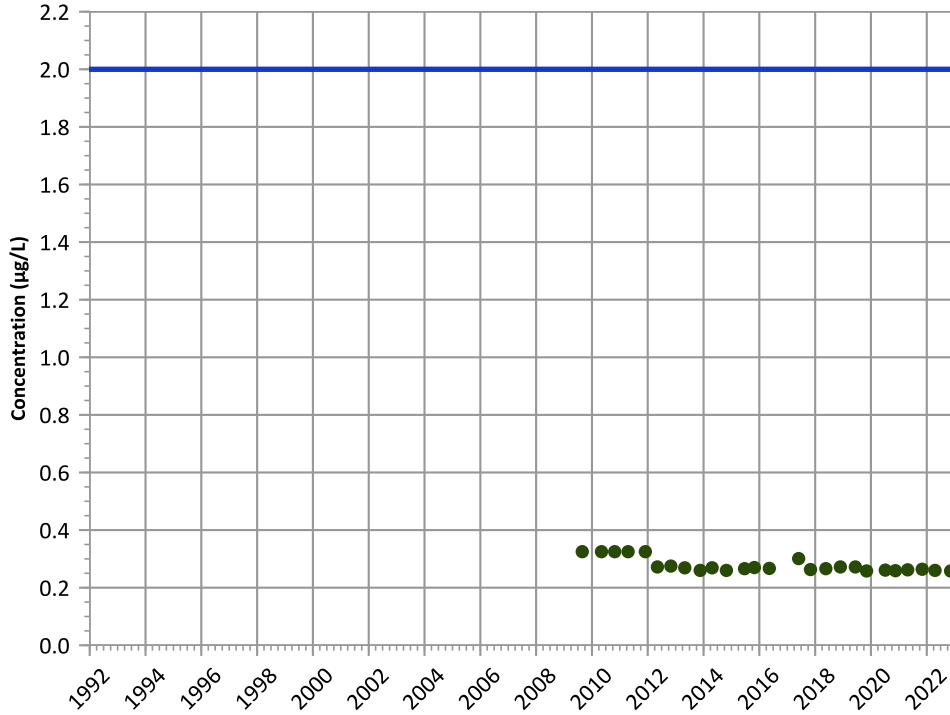
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

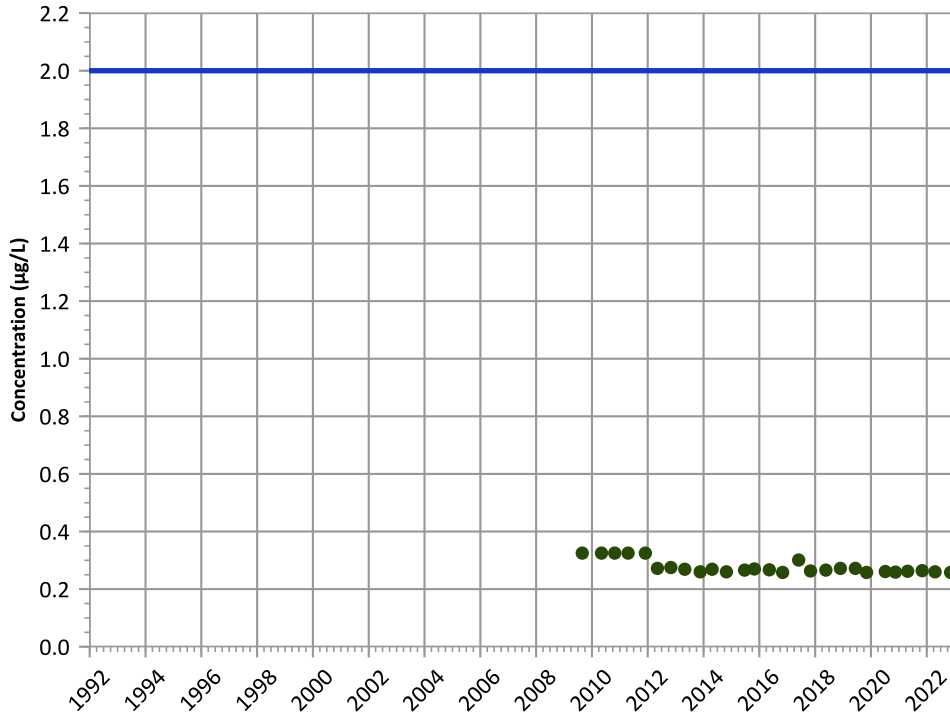


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

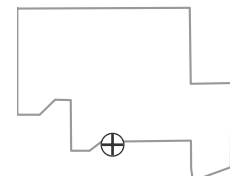


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

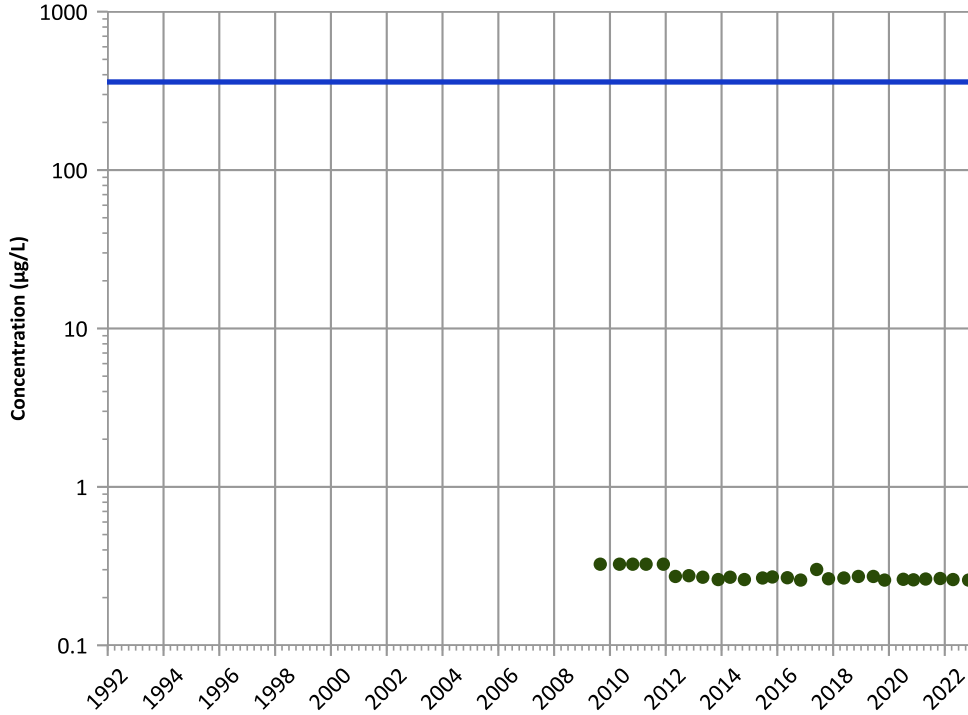


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

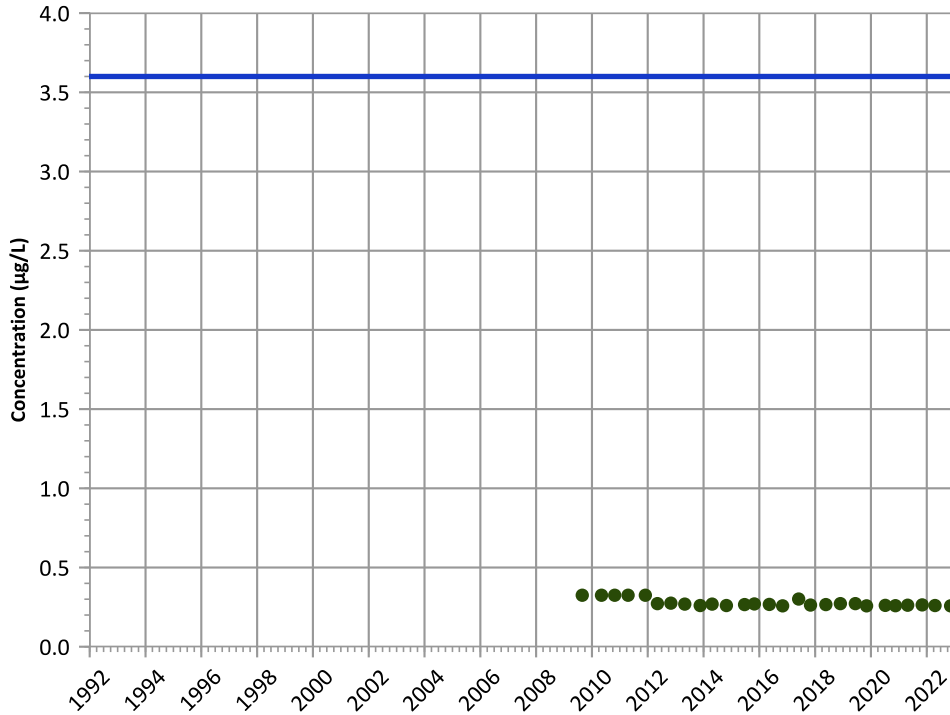
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

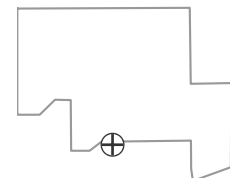
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

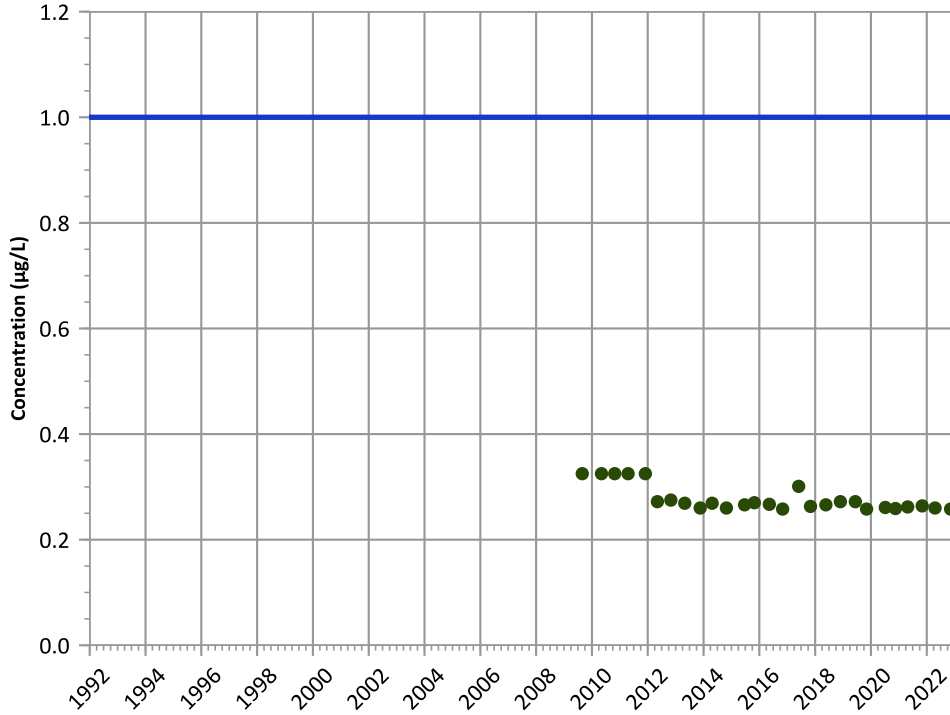
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

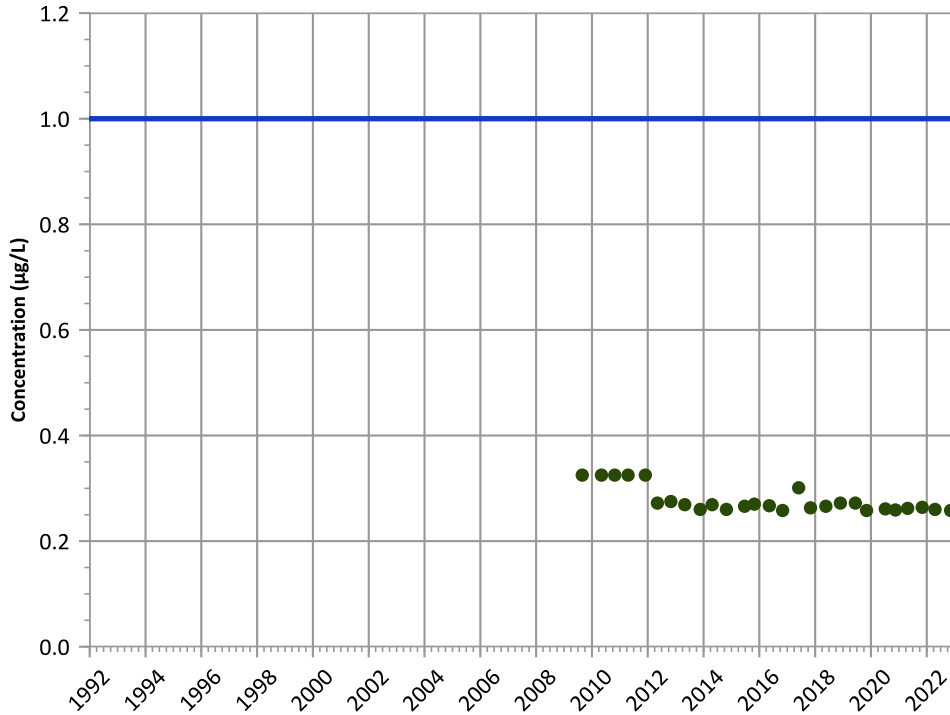
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

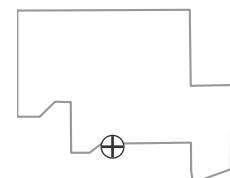
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

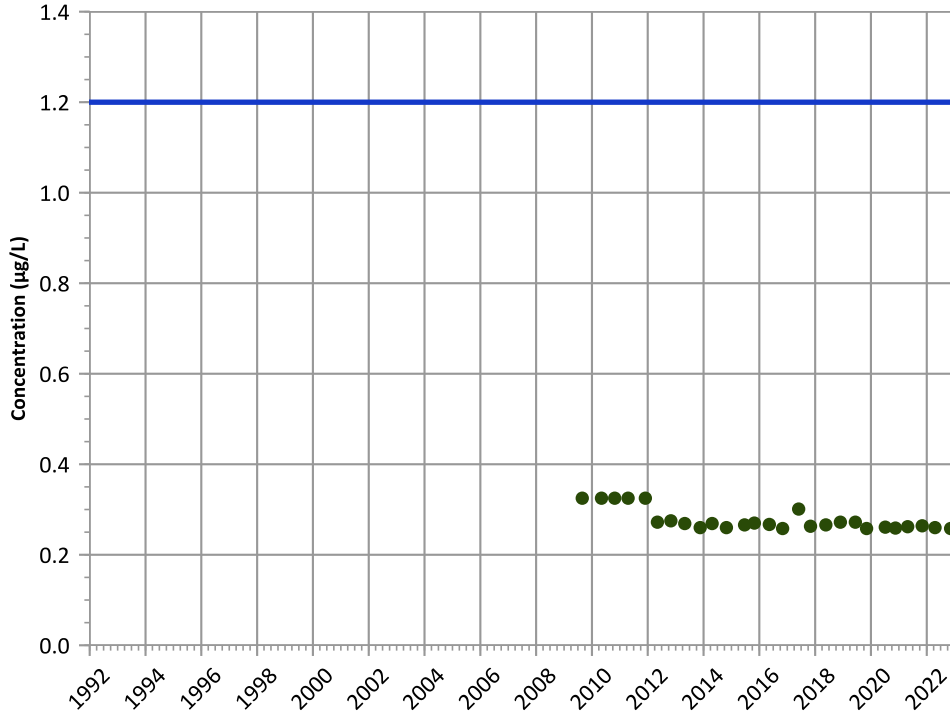


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

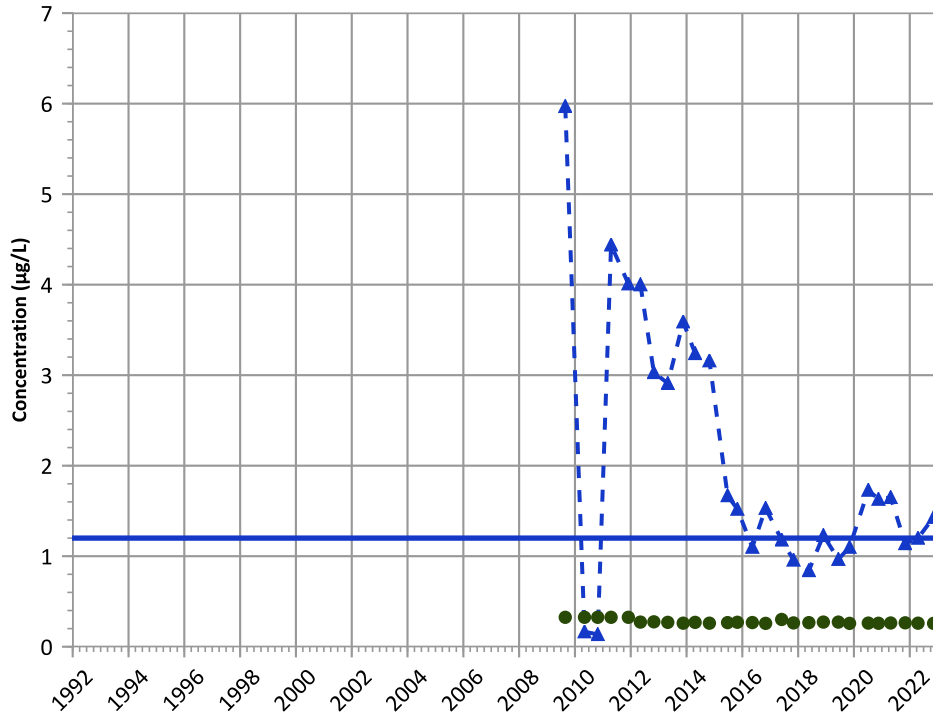
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

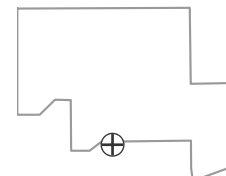
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

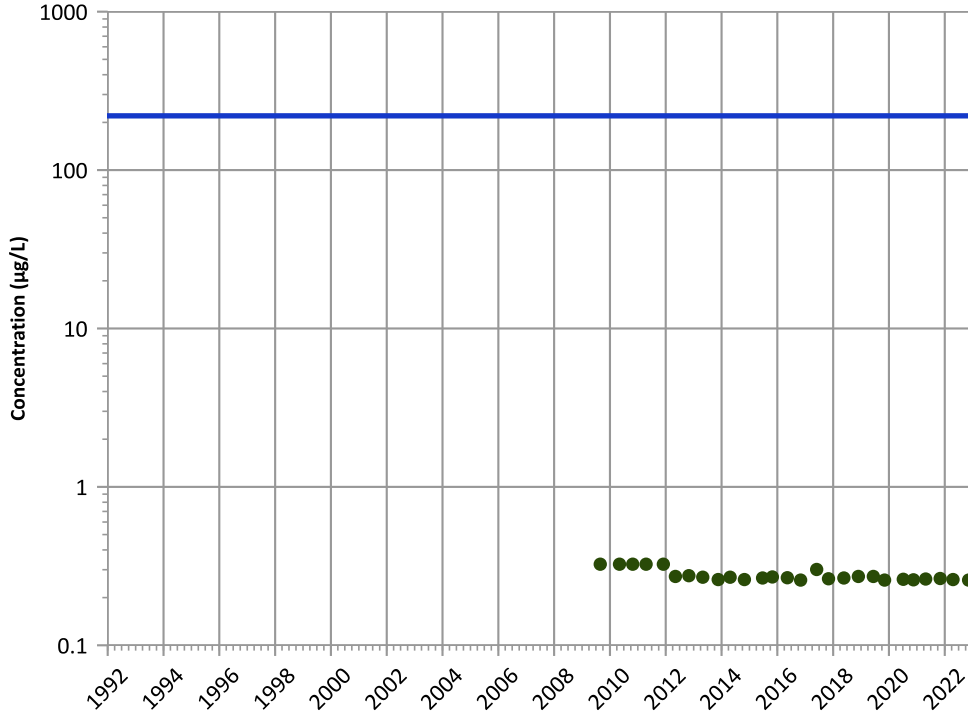
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

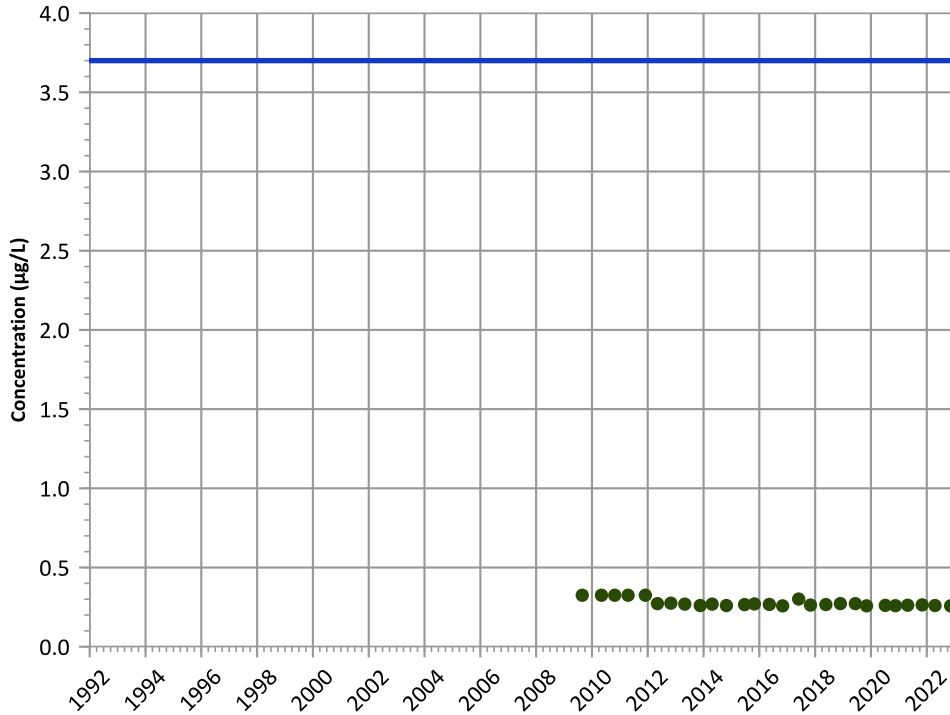
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

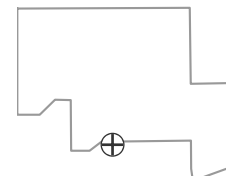
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

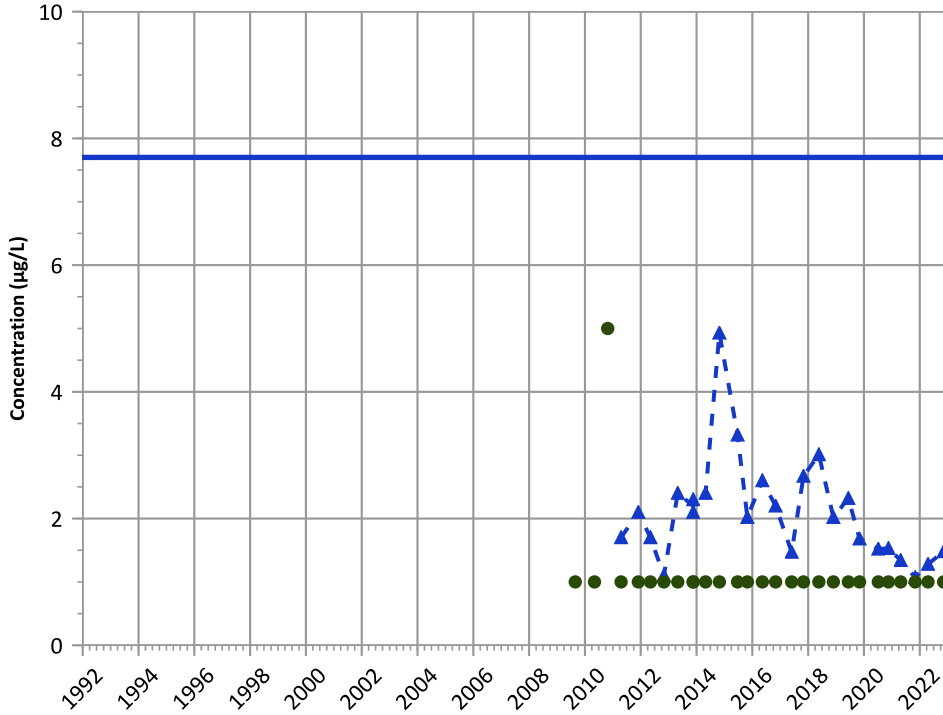
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

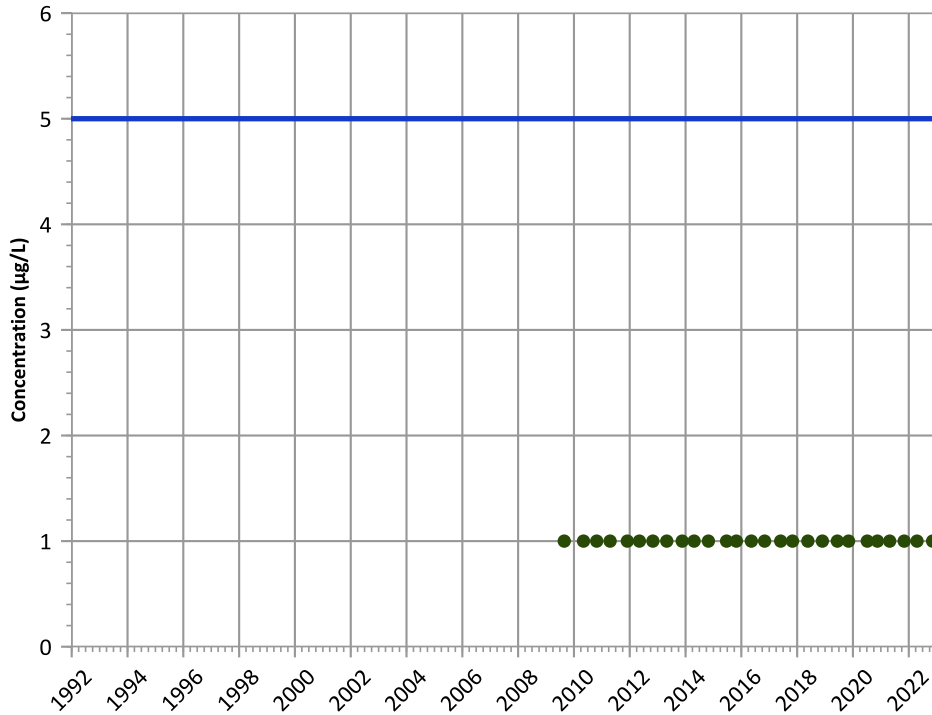


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

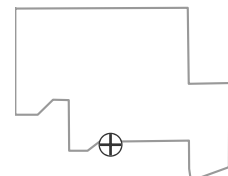
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

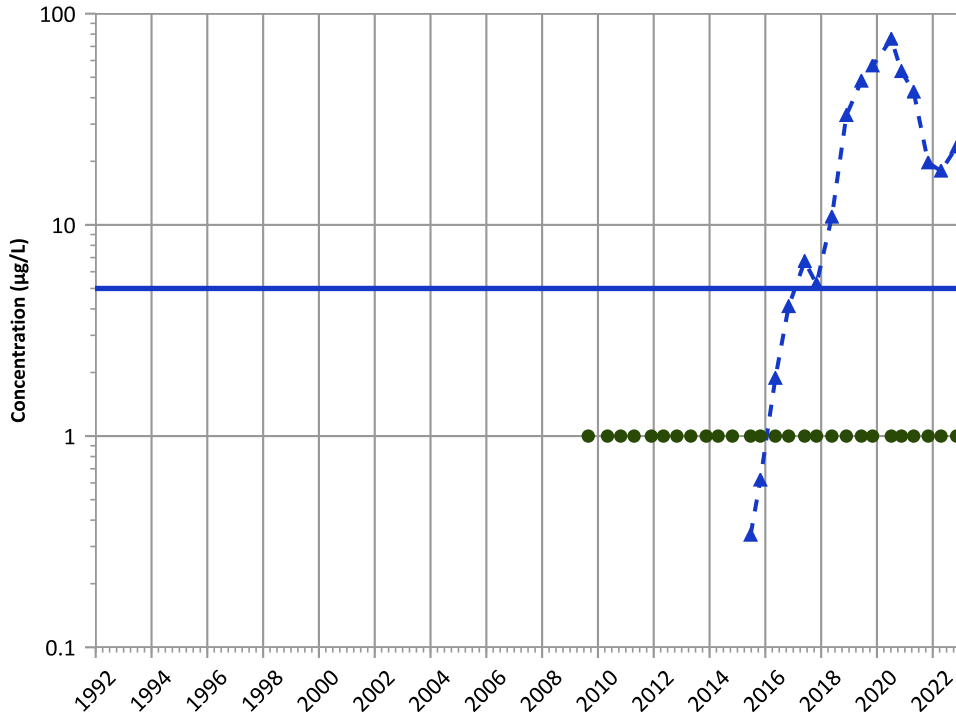
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

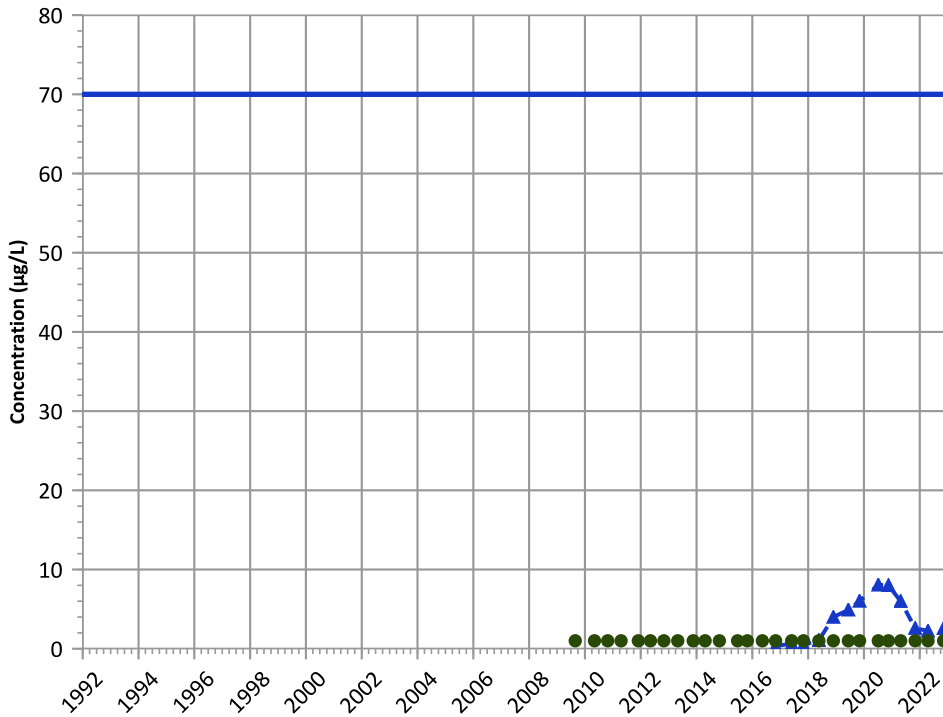


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

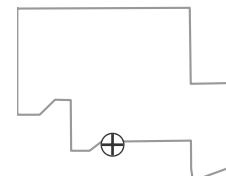
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

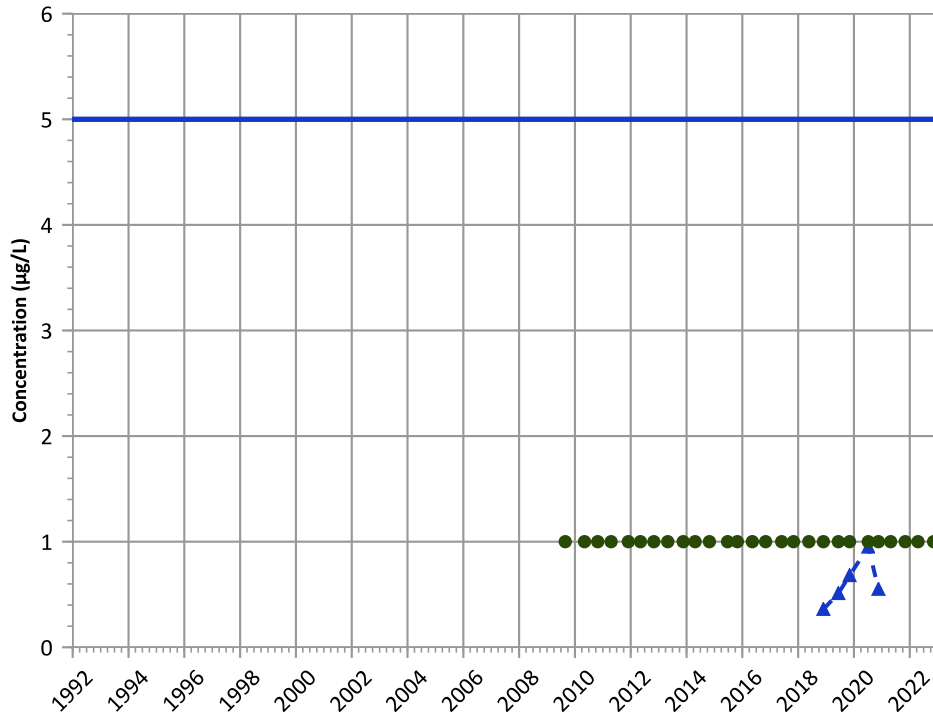
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

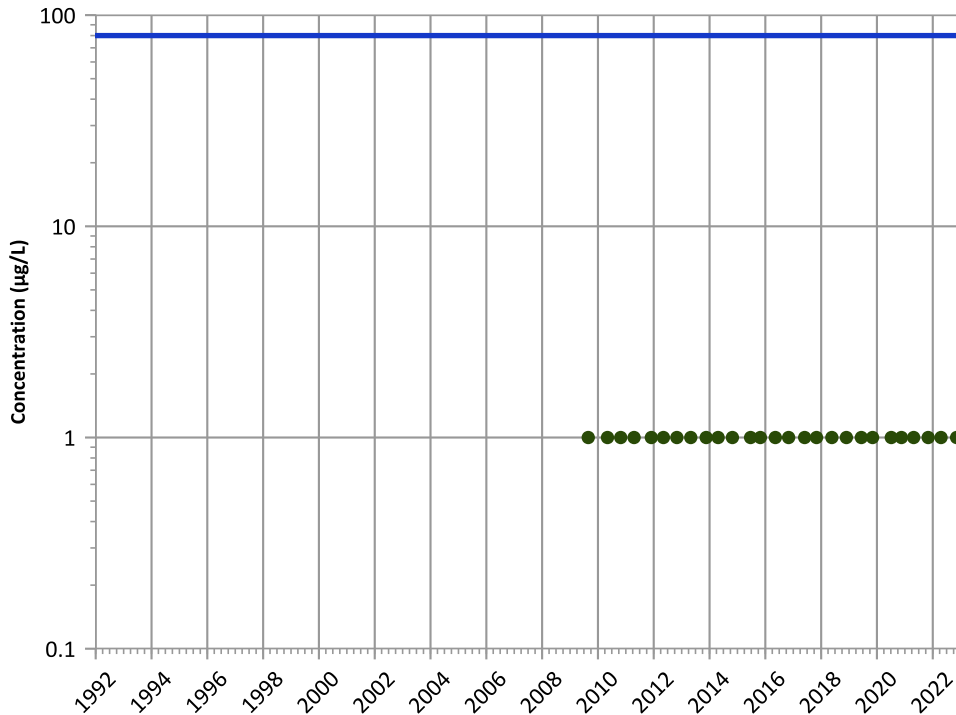


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**Chloroform Trend**



**Concentration Trend**

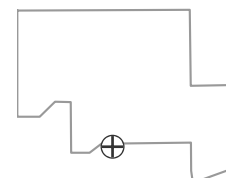
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

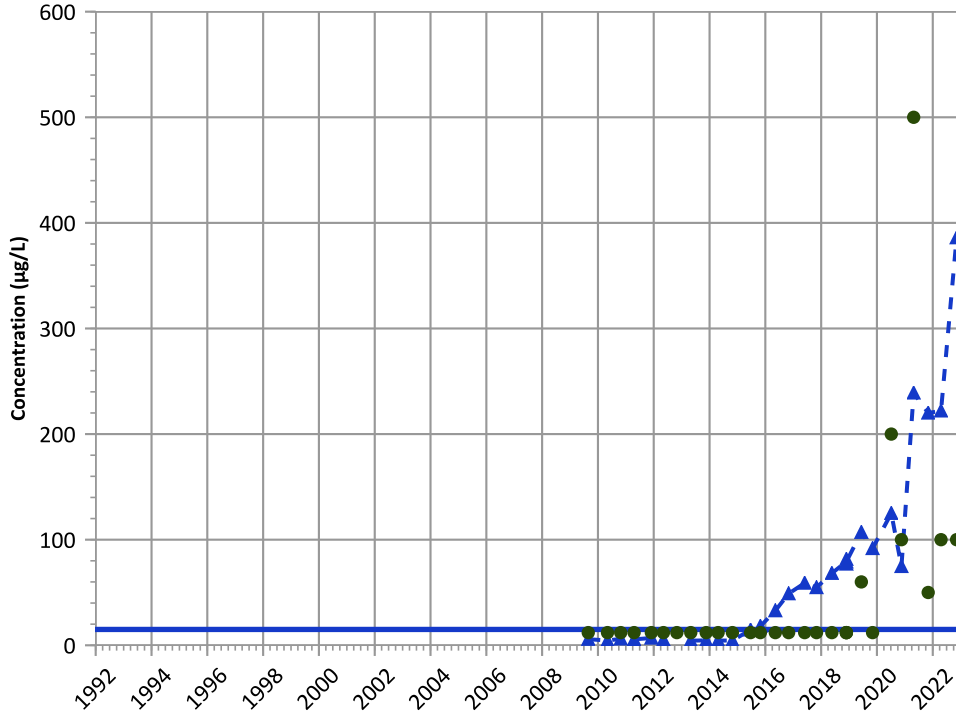
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

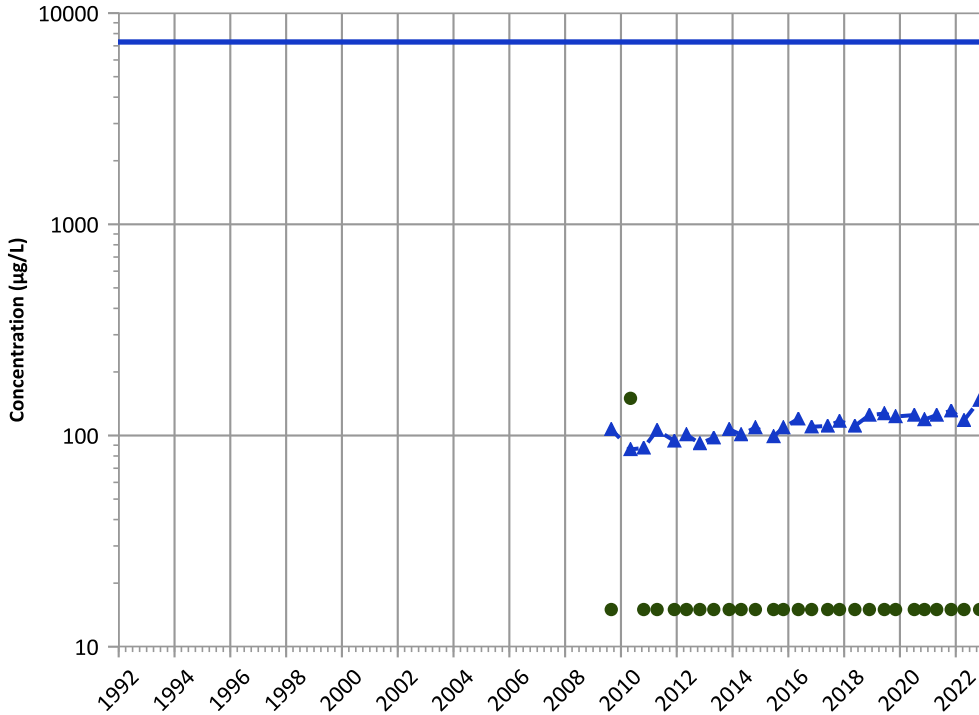


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Boron Trend

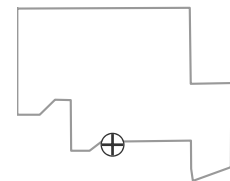


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

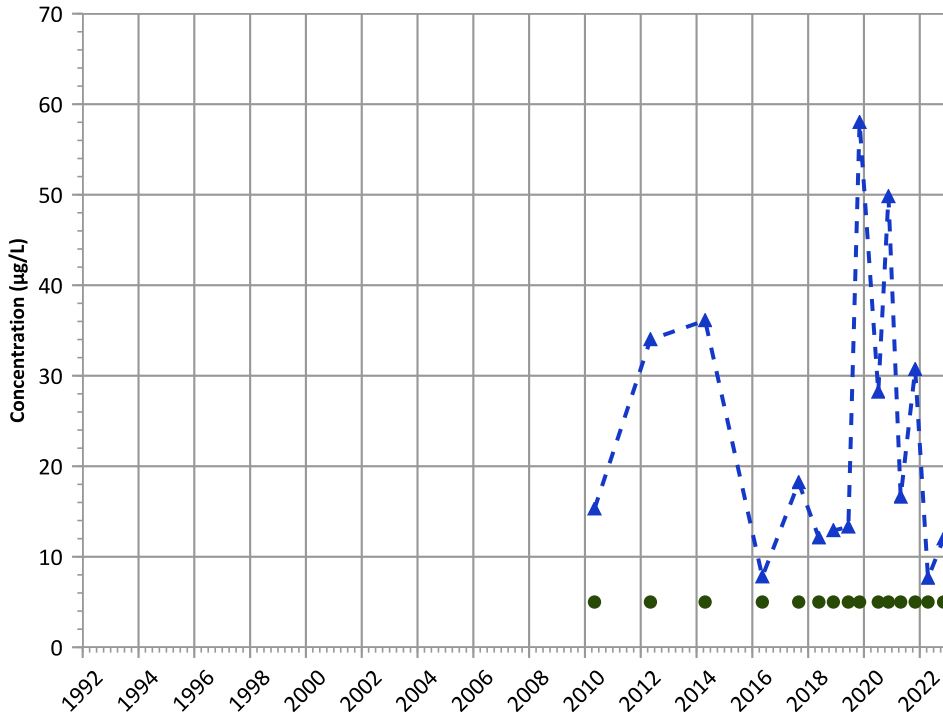


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

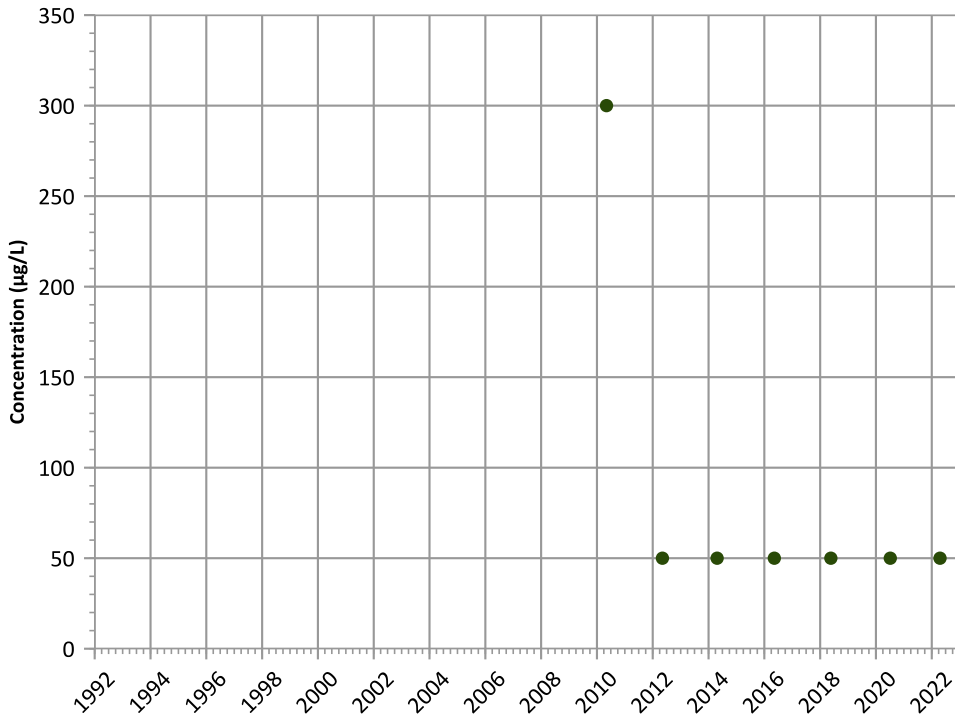


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

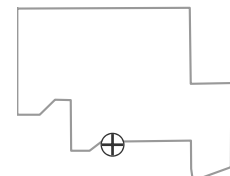
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

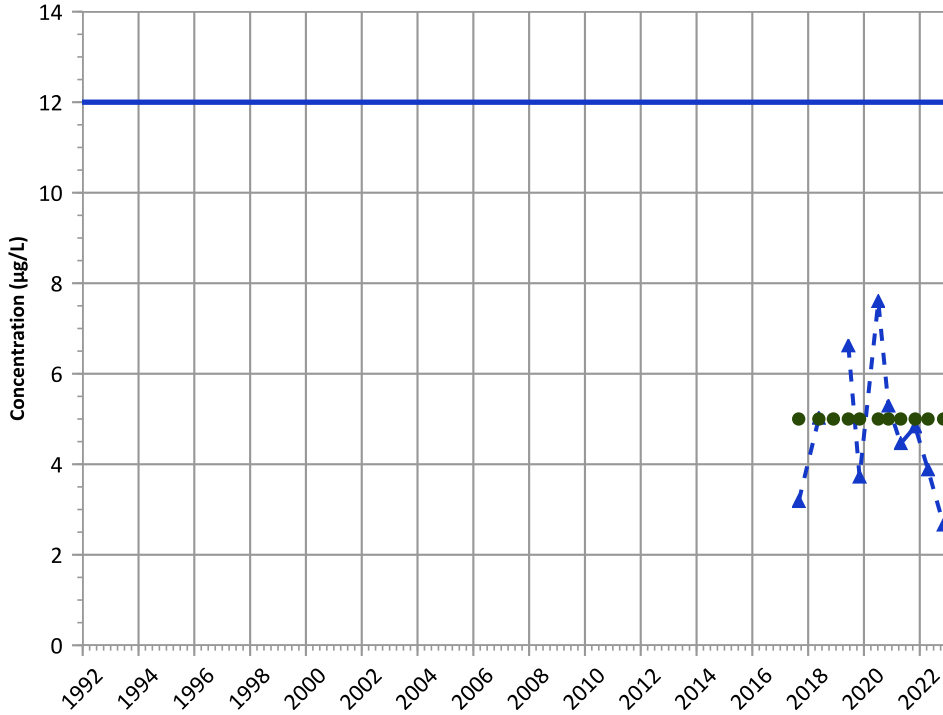
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

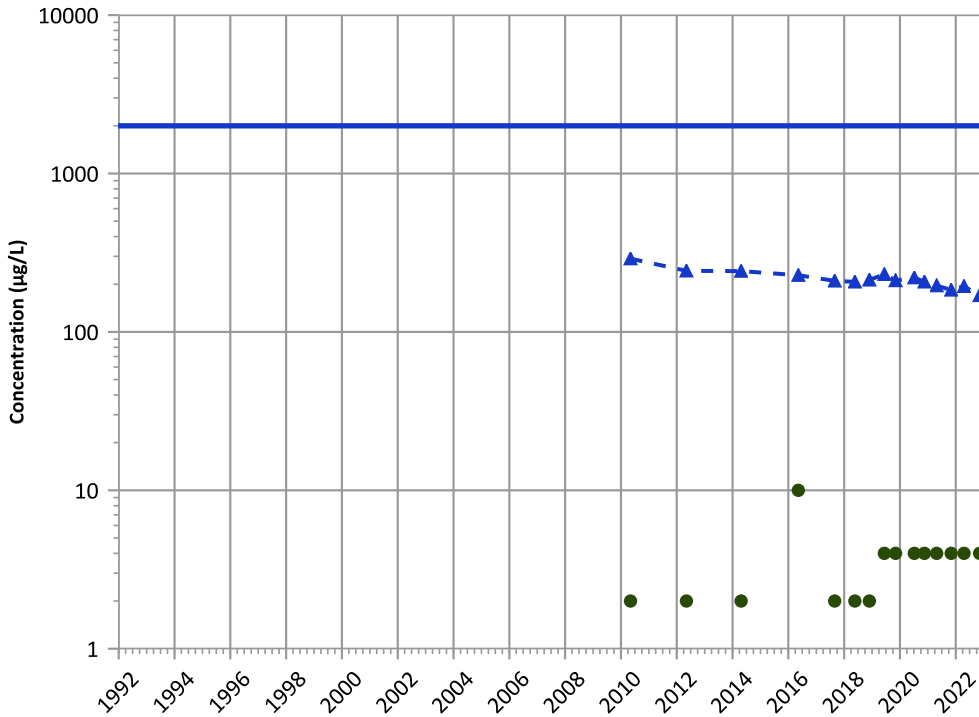


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Barium Trend



Concentration Trend

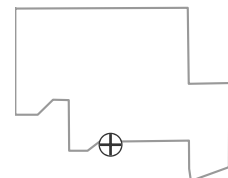
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

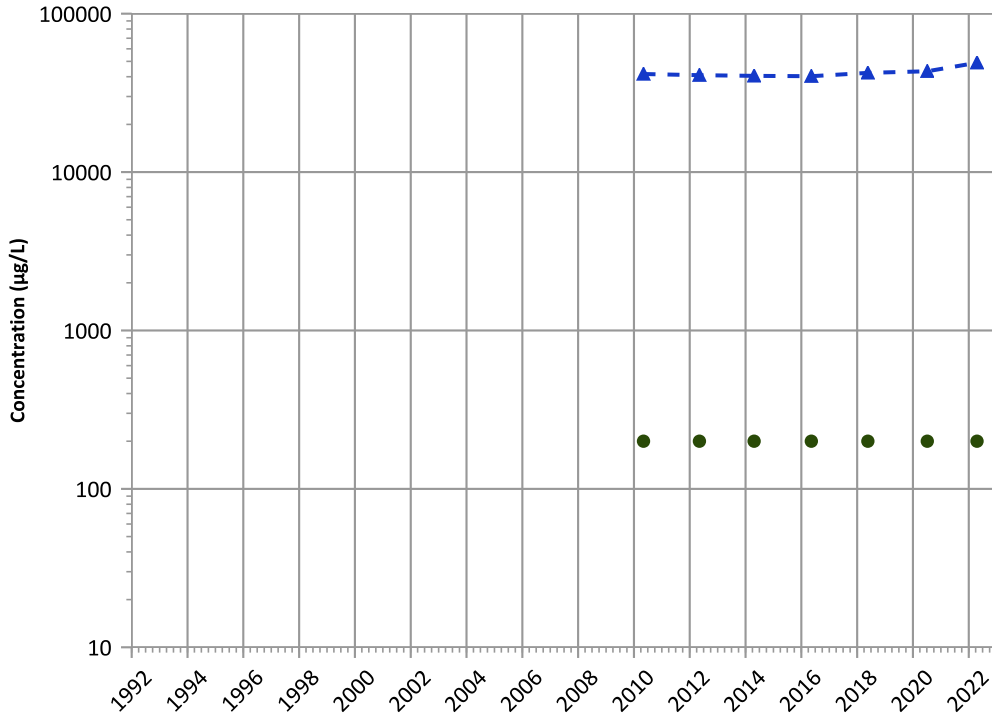
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend

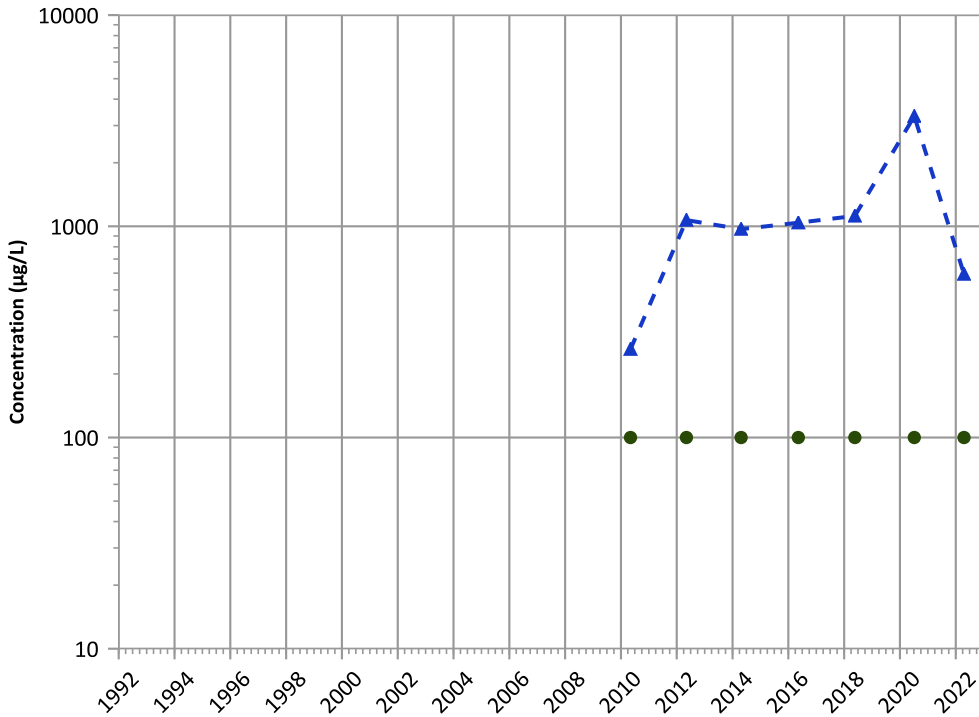


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Iron Trend

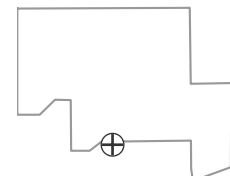


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

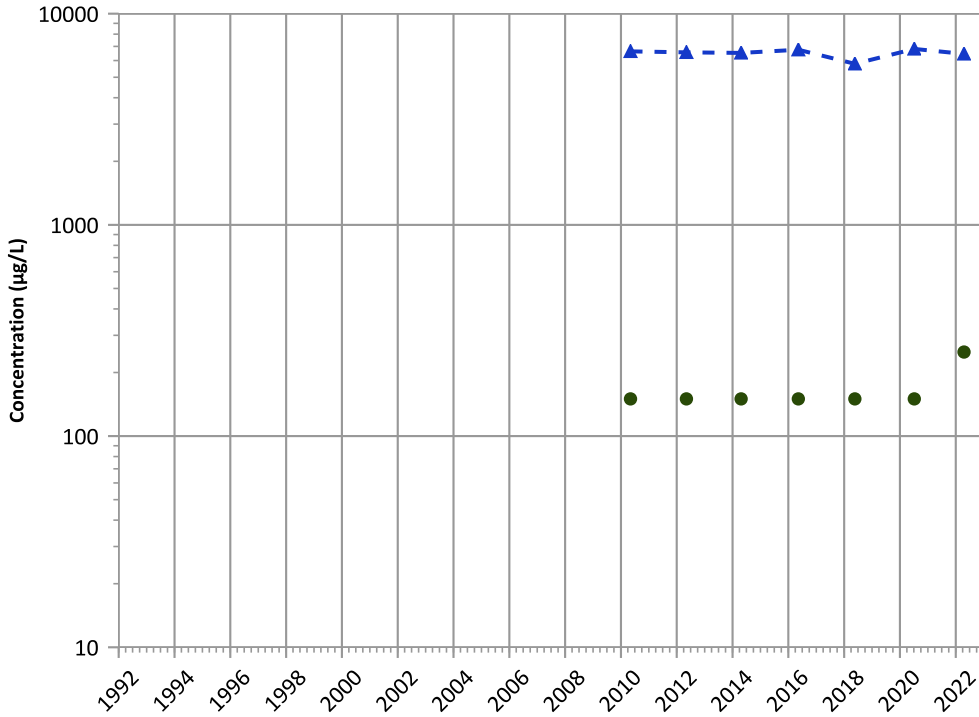


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

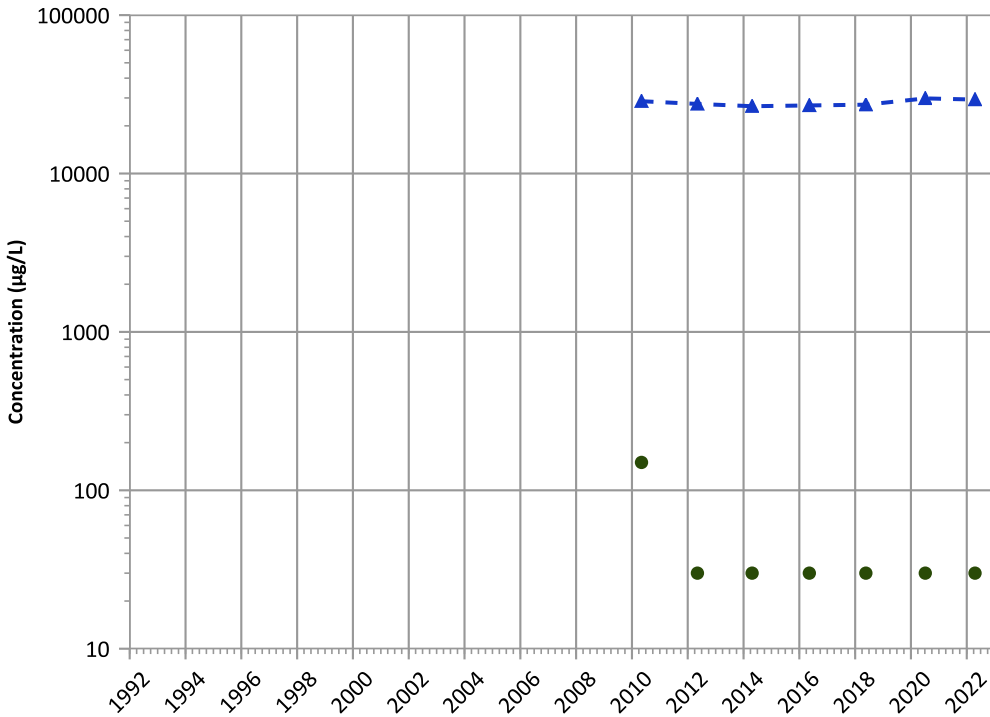


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Increasing

Magnesium Trend



Concentration Trend

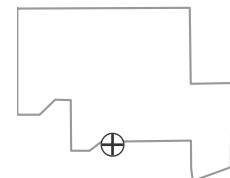
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

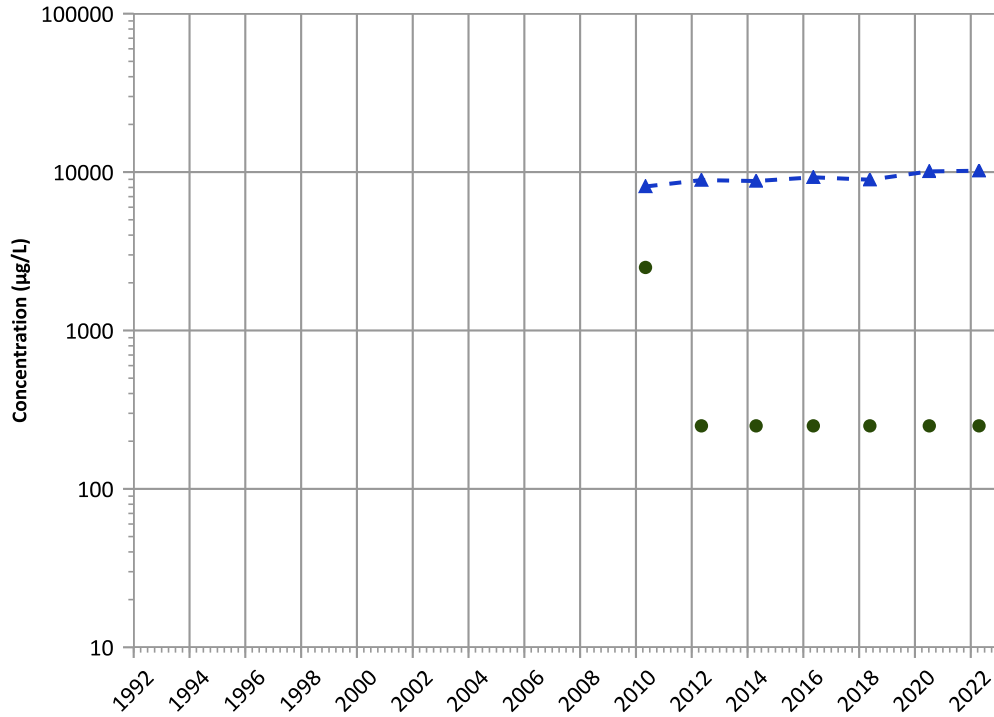
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1134 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Sodium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Increasing

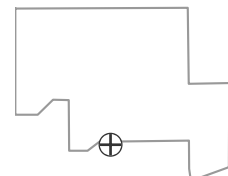
2020 - 2022 Data:

Probably Increasing

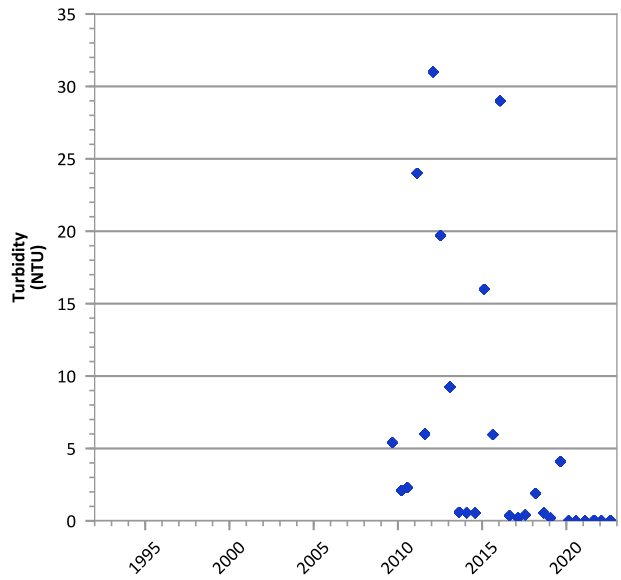
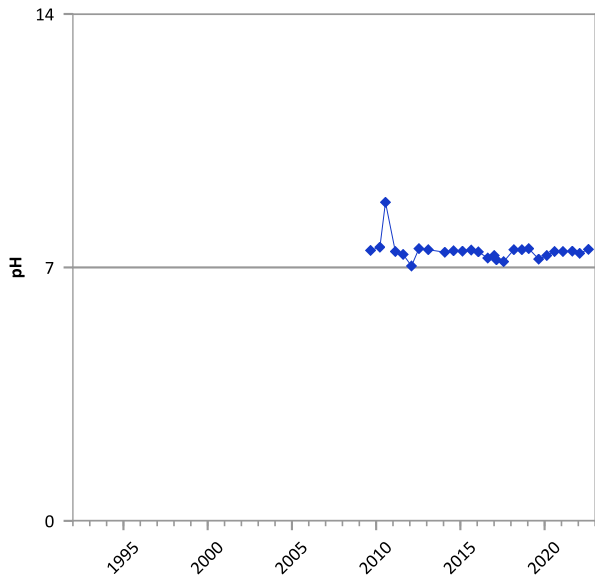
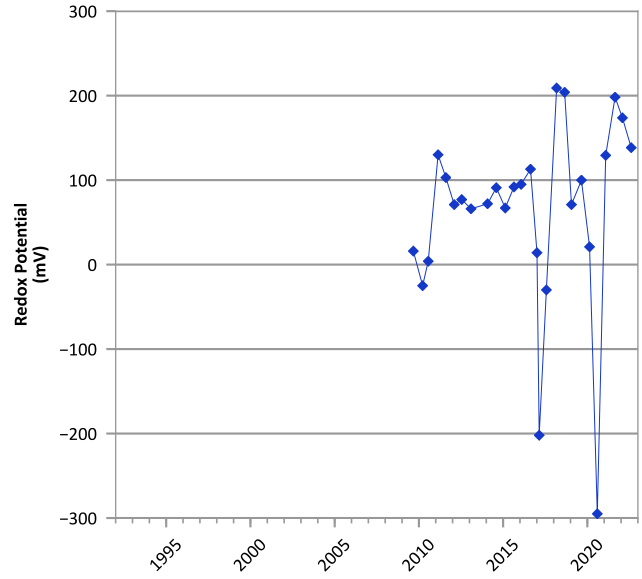
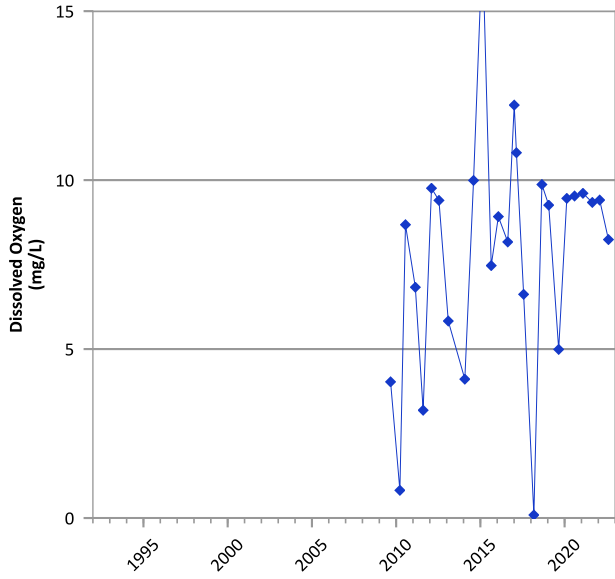
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/27/2009 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

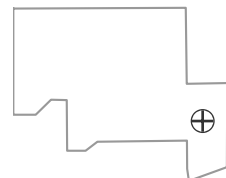


**PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/02/2009 to 08/09/2022  
 Analysis Date: 04/27/2023

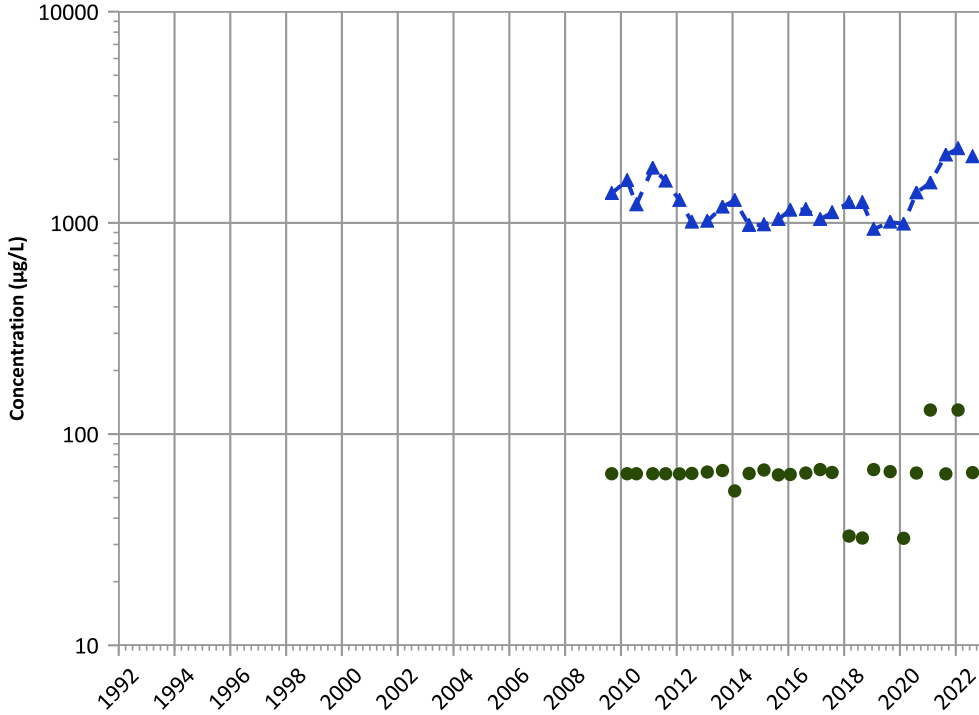
**Well Location**





PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

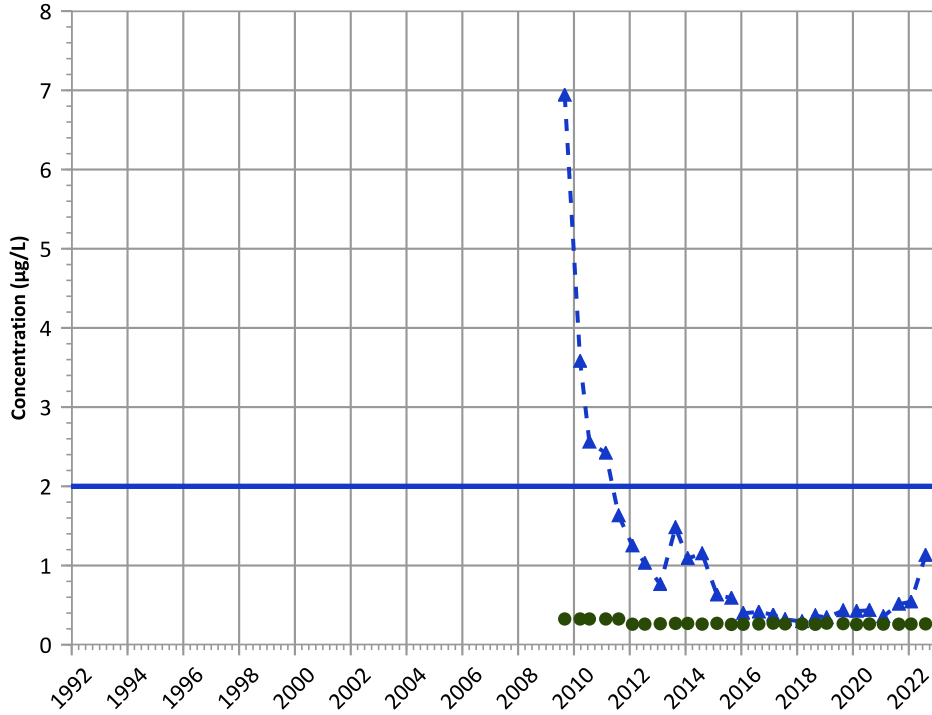
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

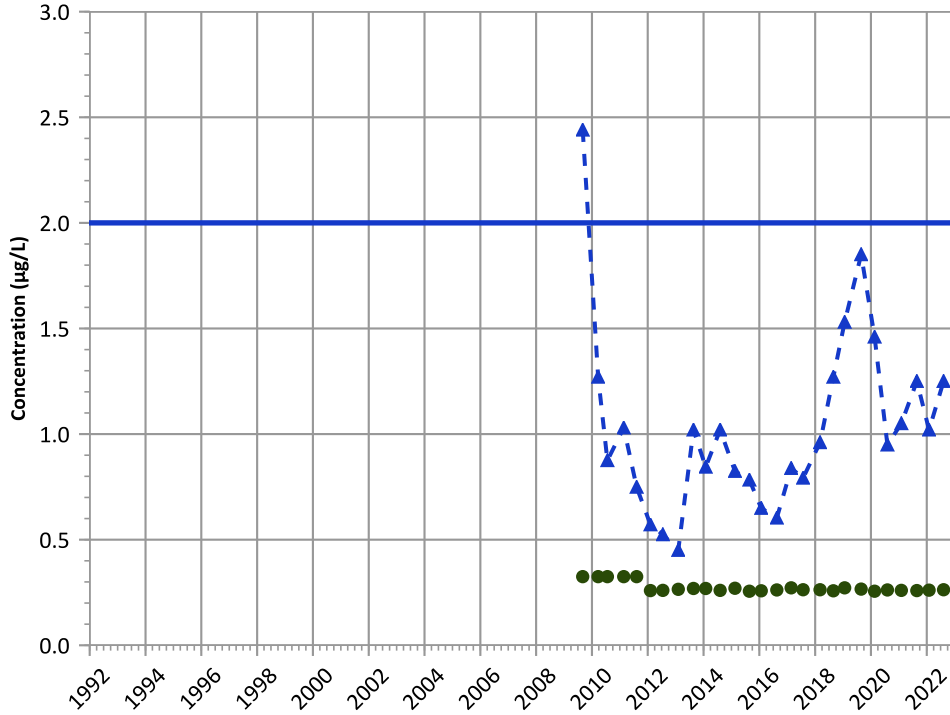
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

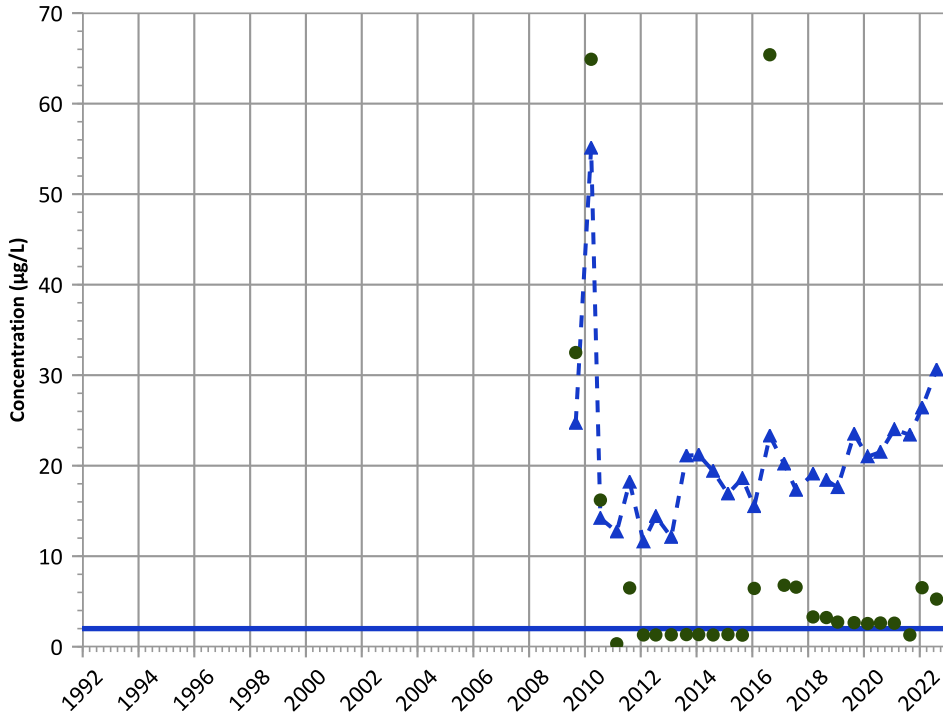
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

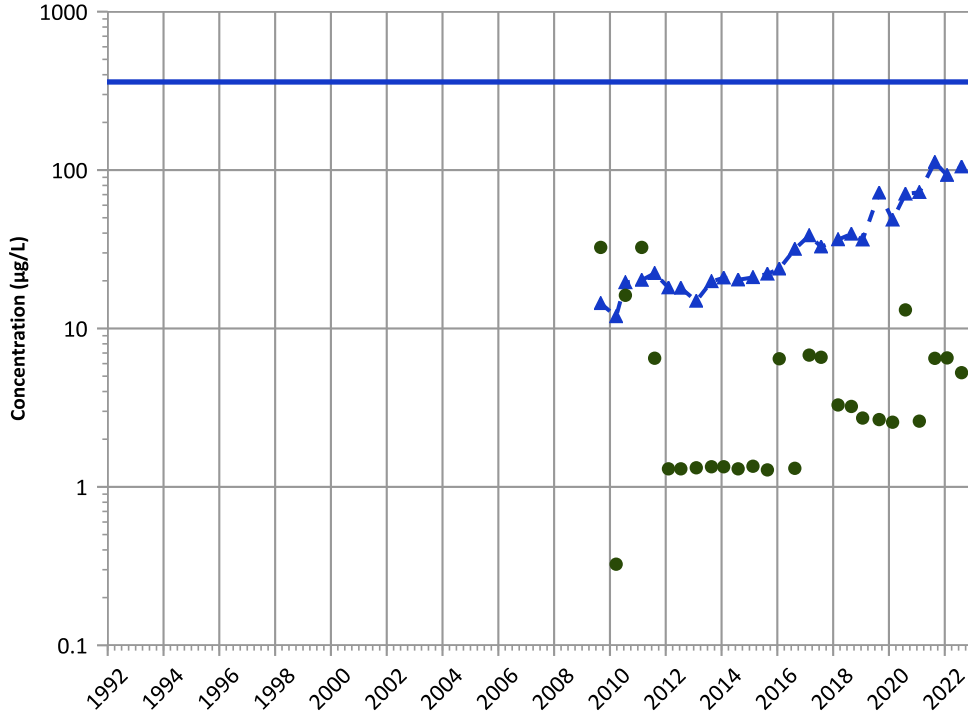
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

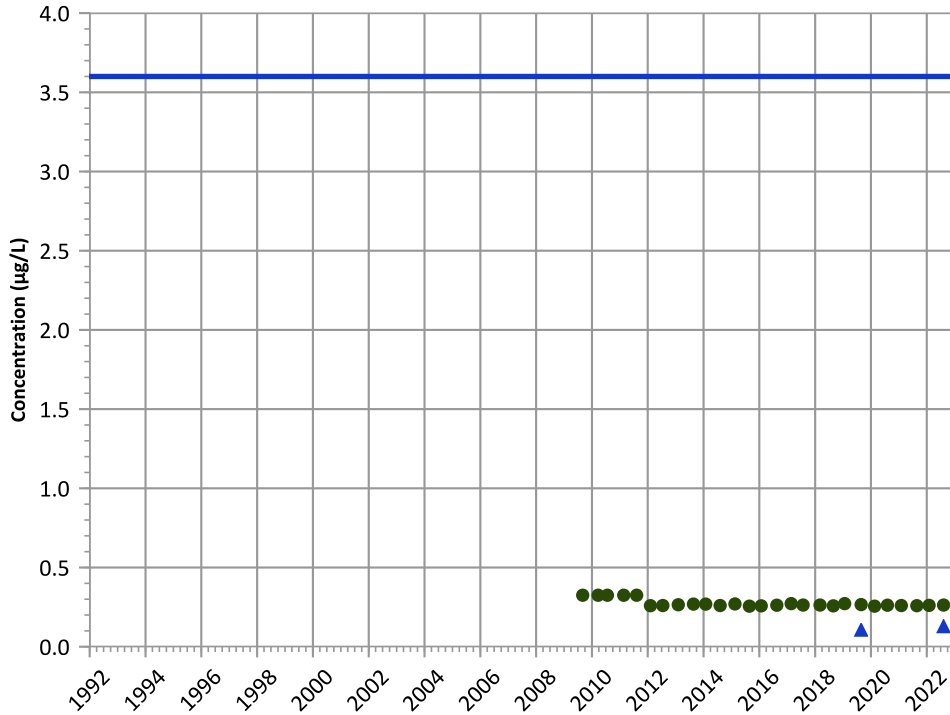


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

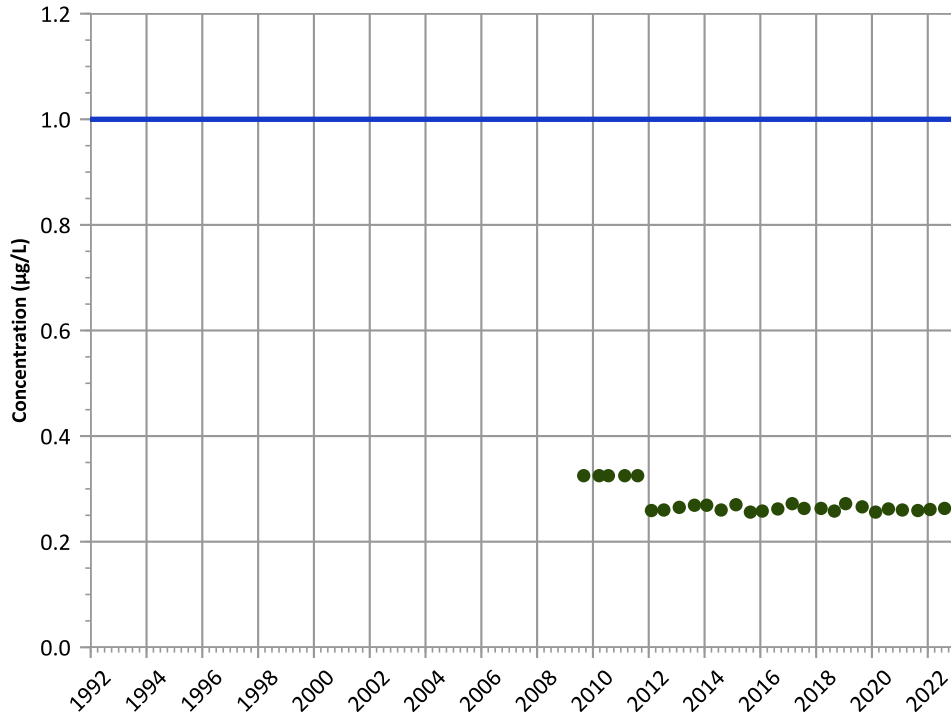
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

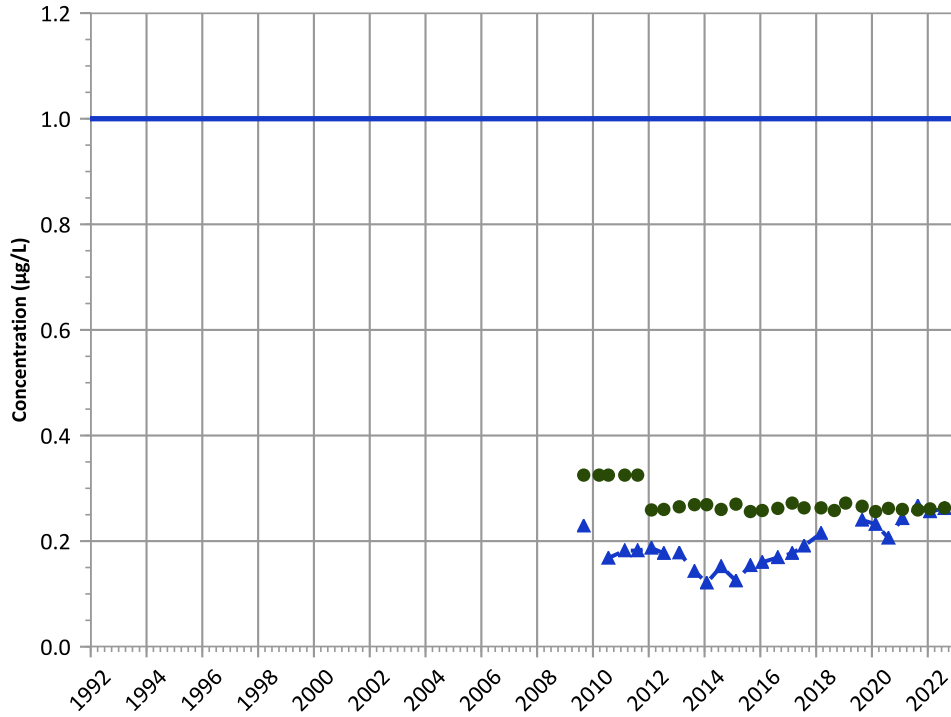
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

**Well Location**

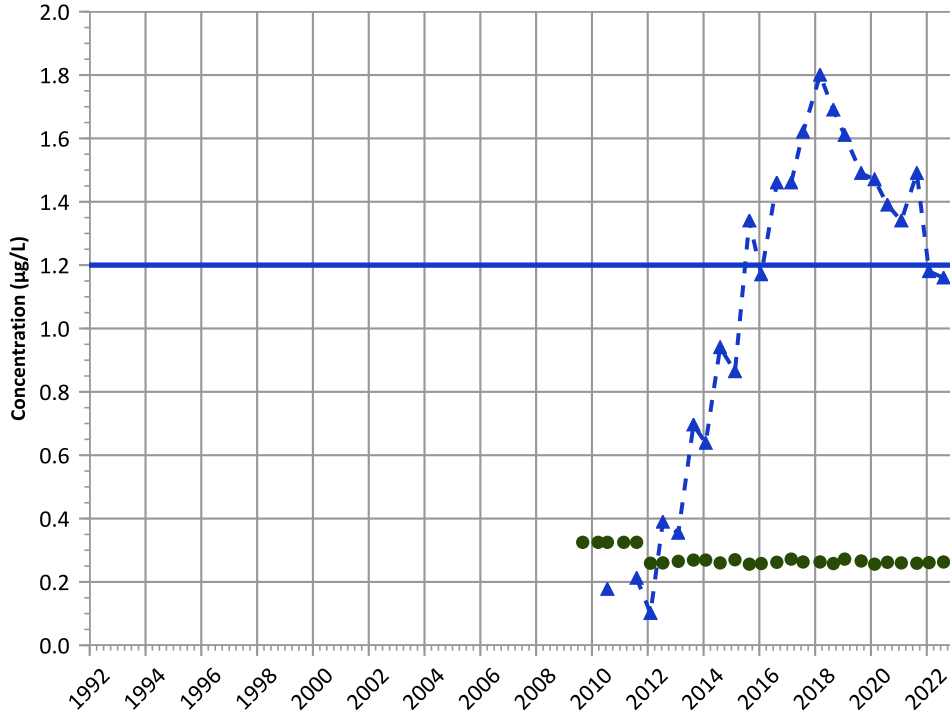


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

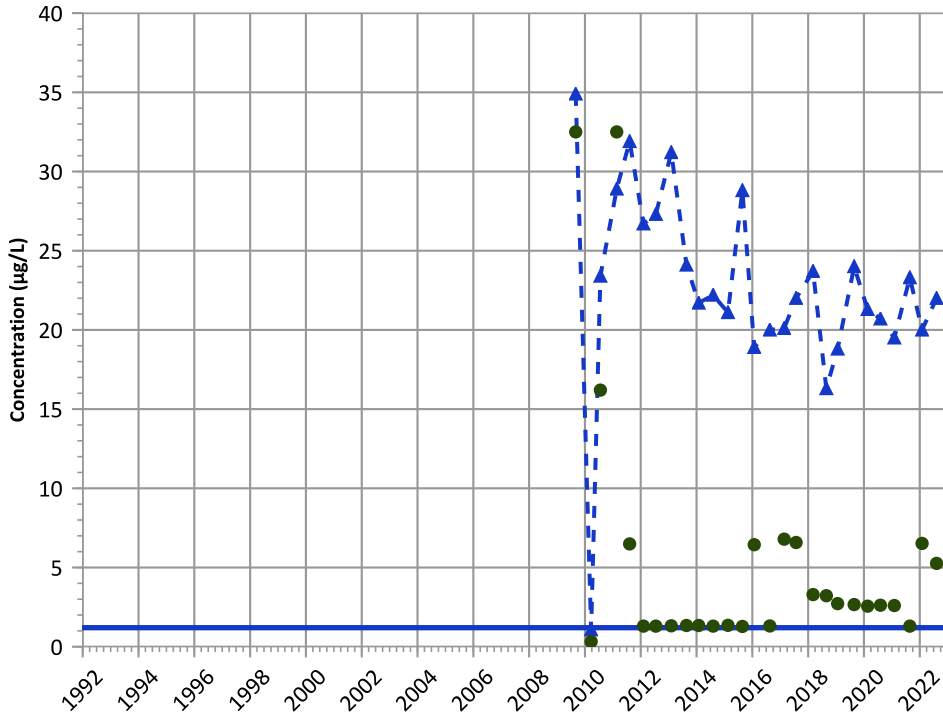


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

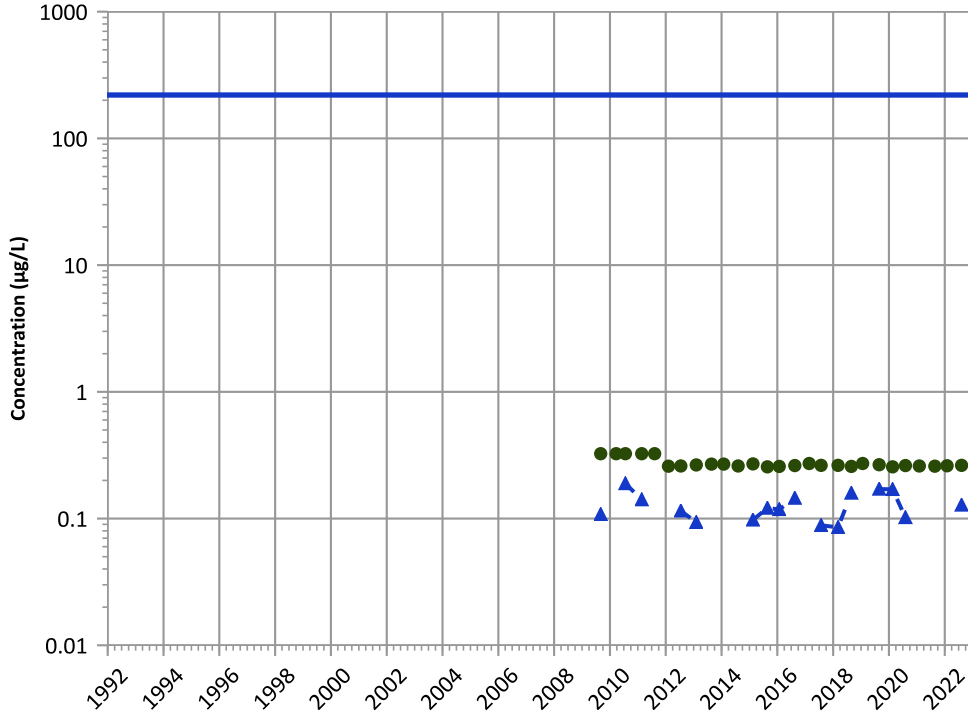
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

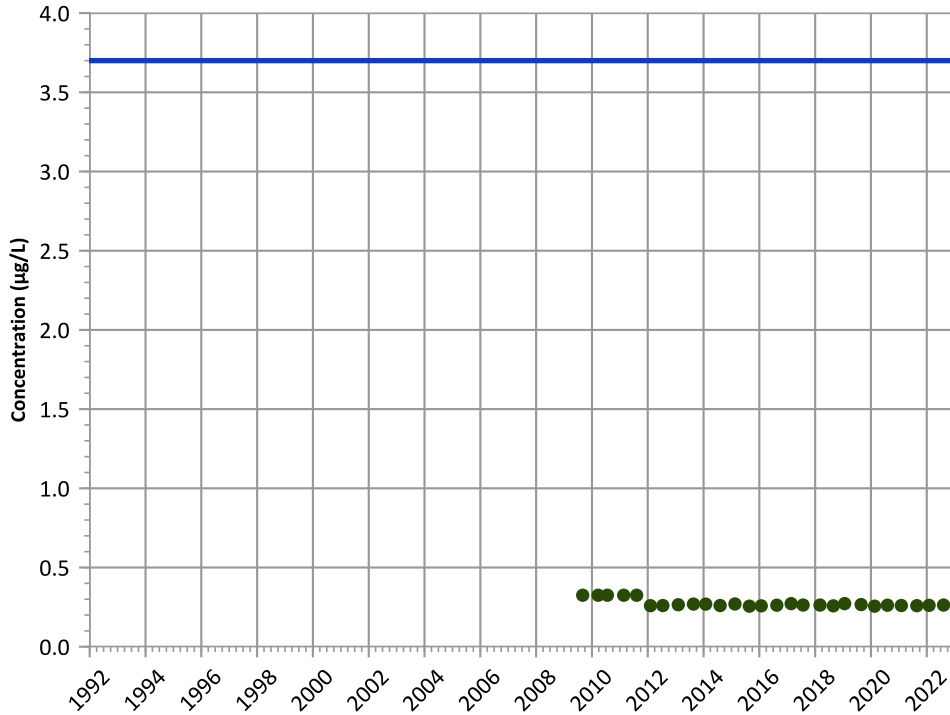


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

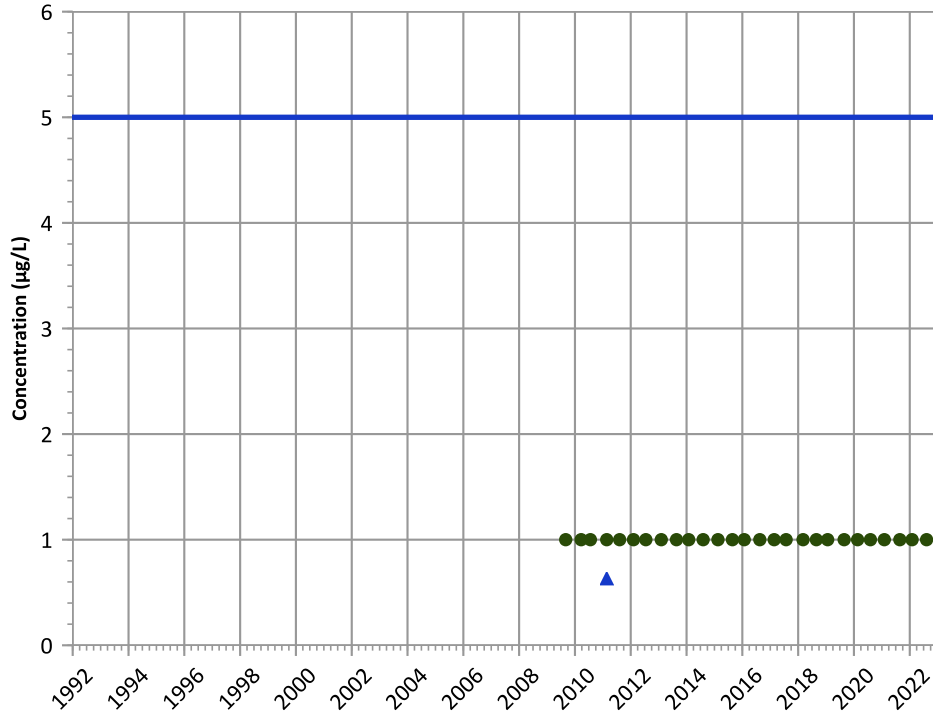
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

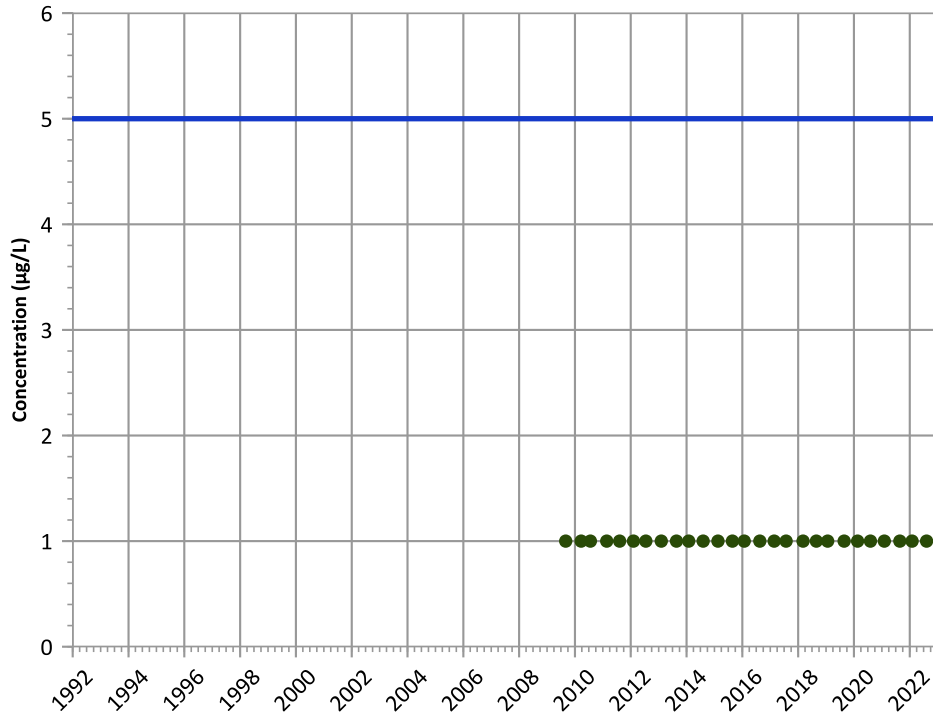


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**

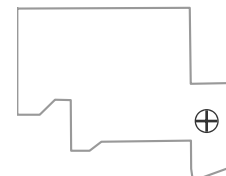


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

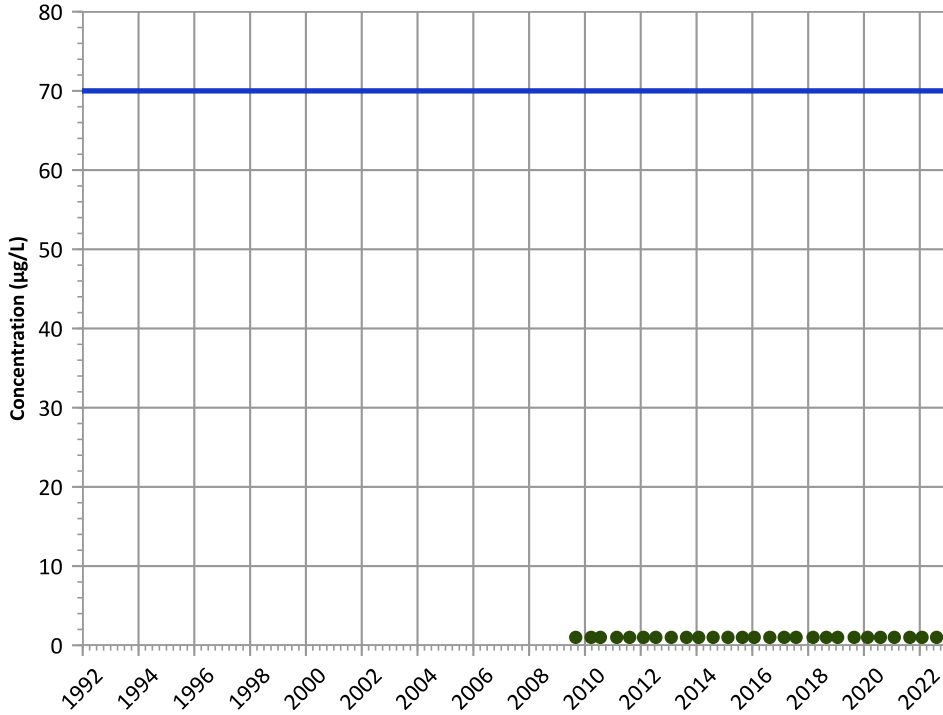
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

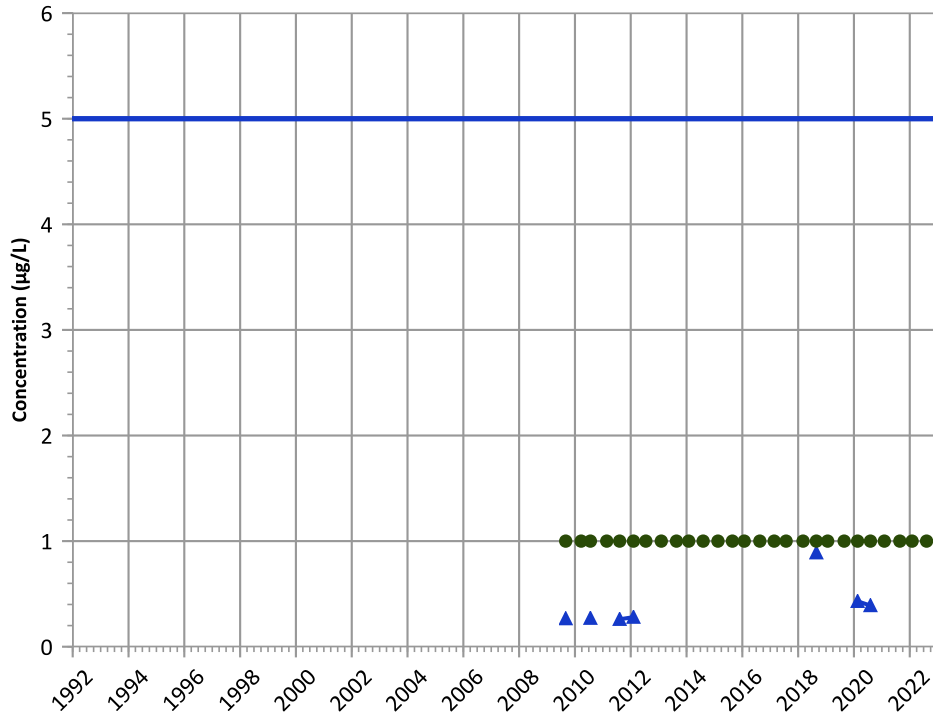
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

**Well Location**

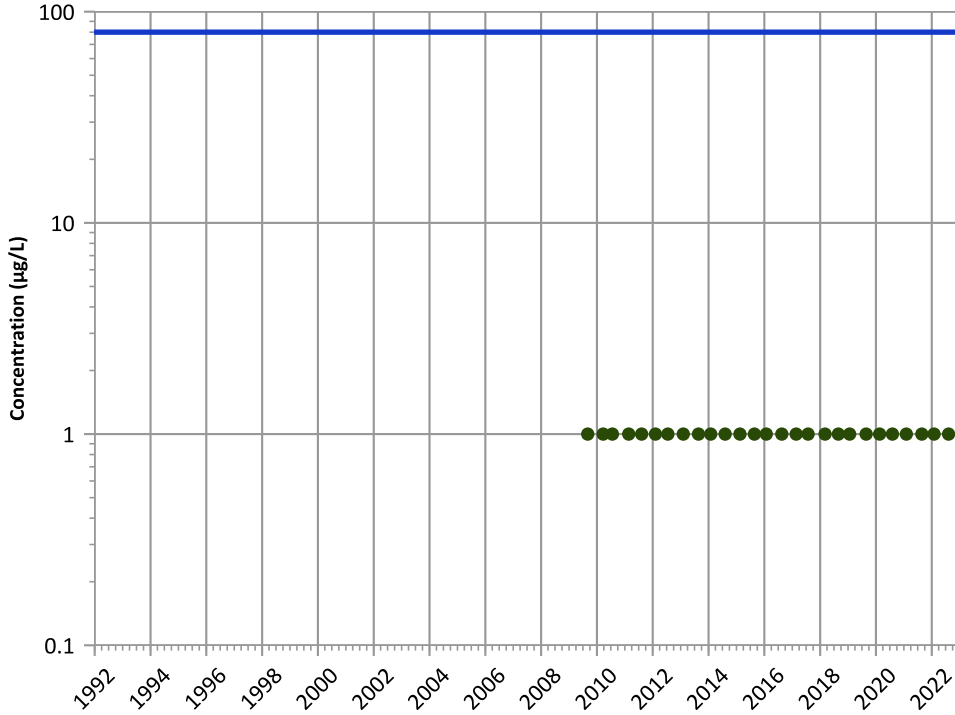


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

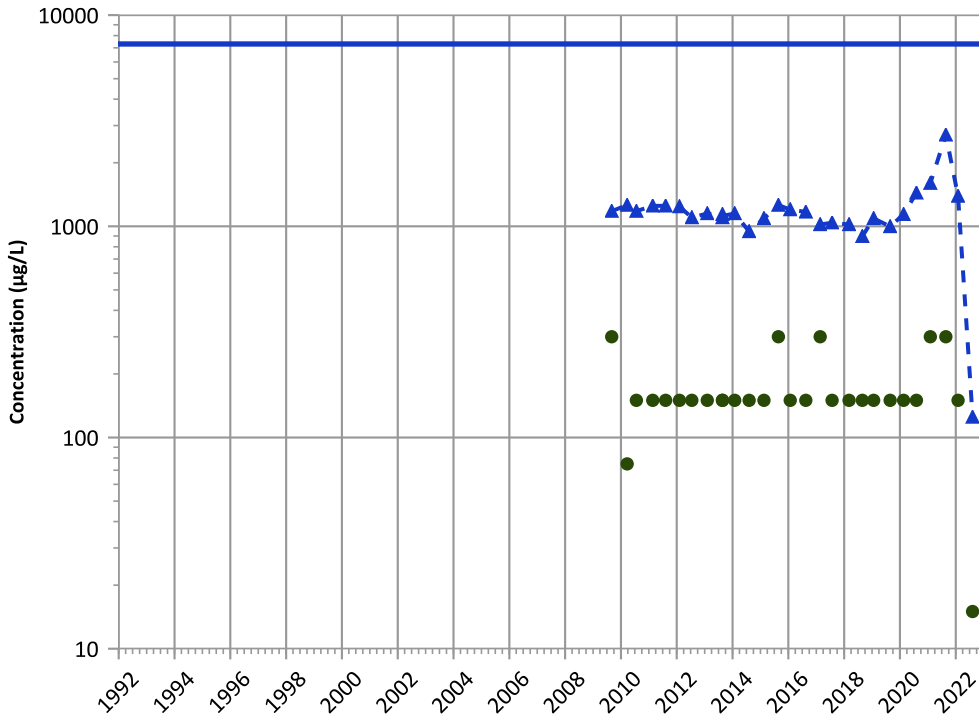


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

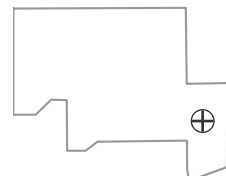
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

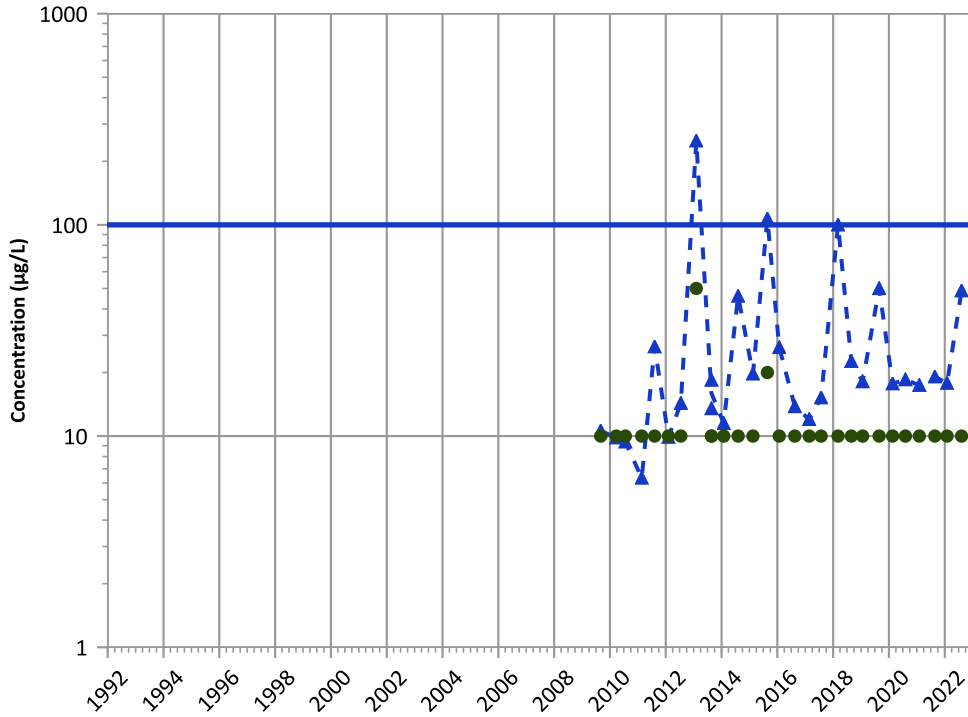
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

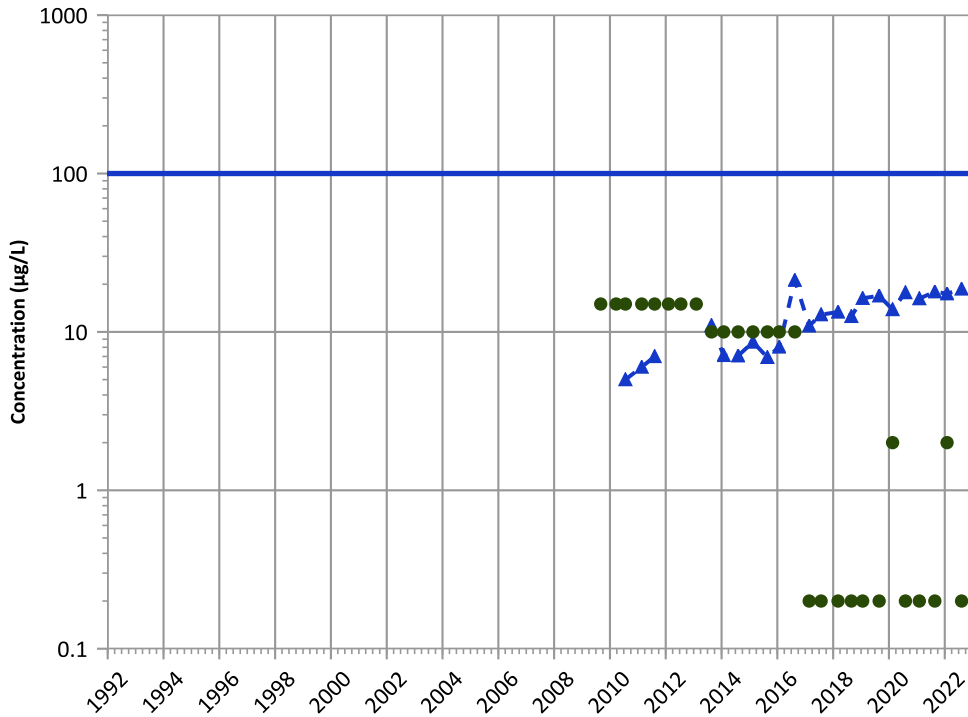


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Well Location

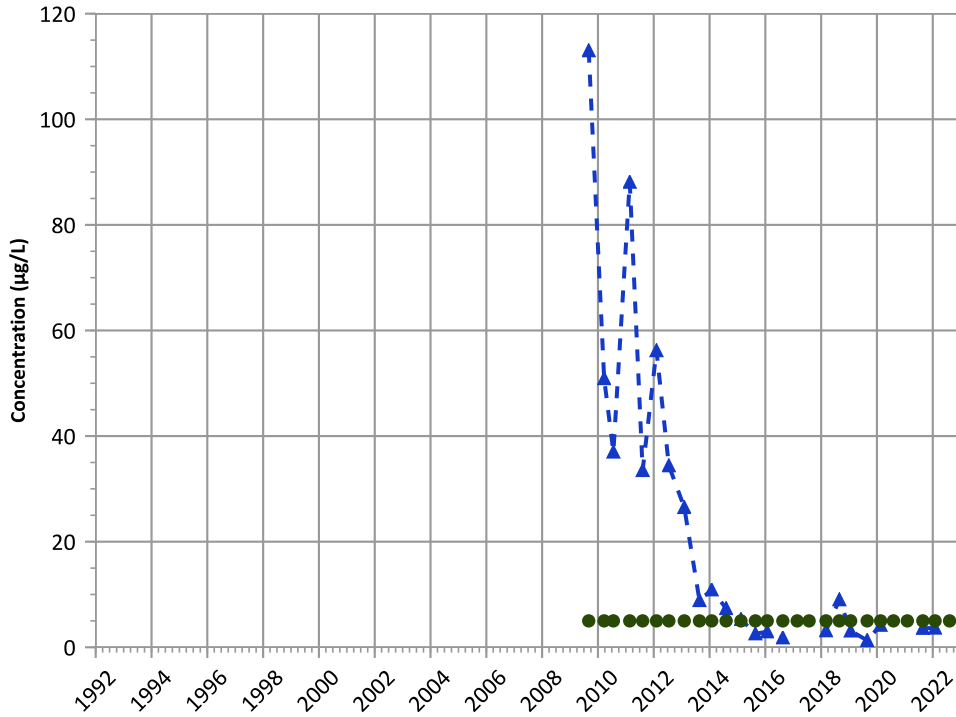


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

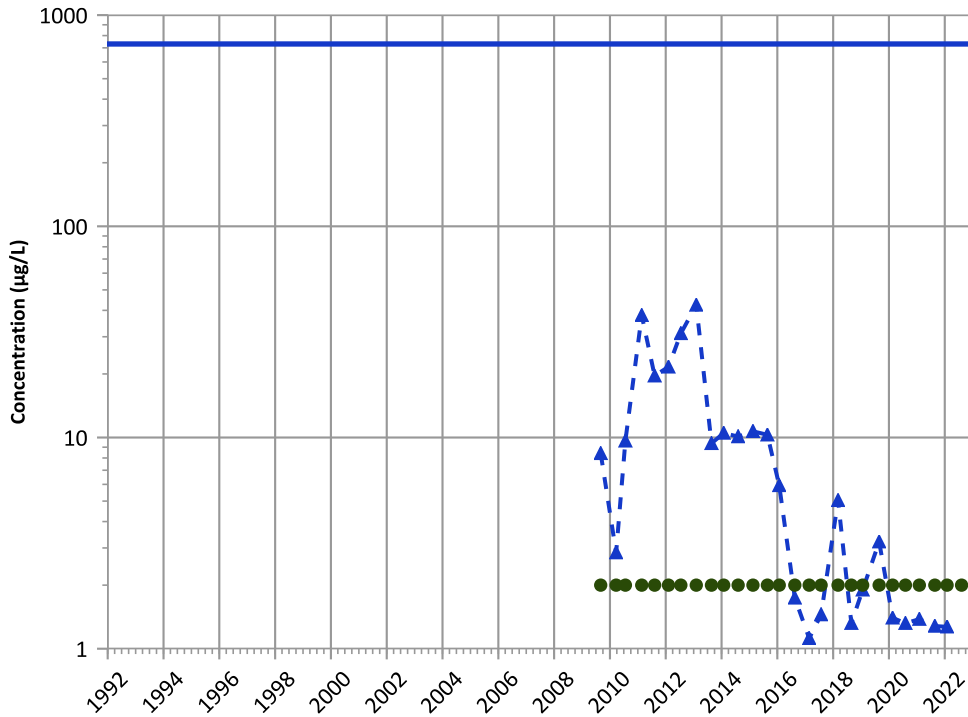


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Nickel Trend

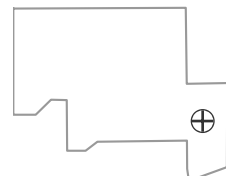


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

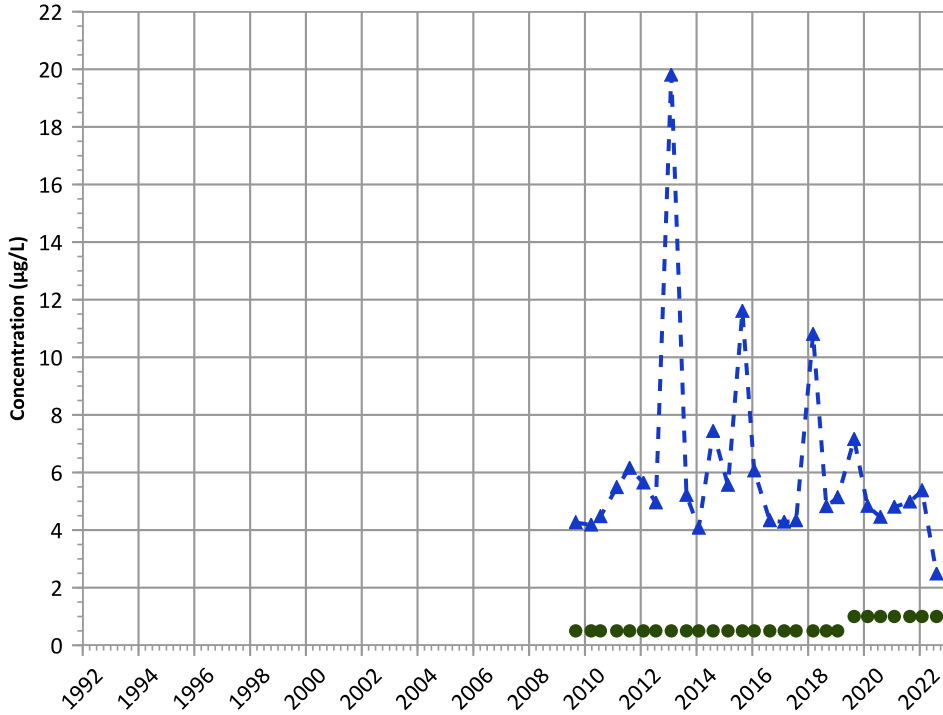


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

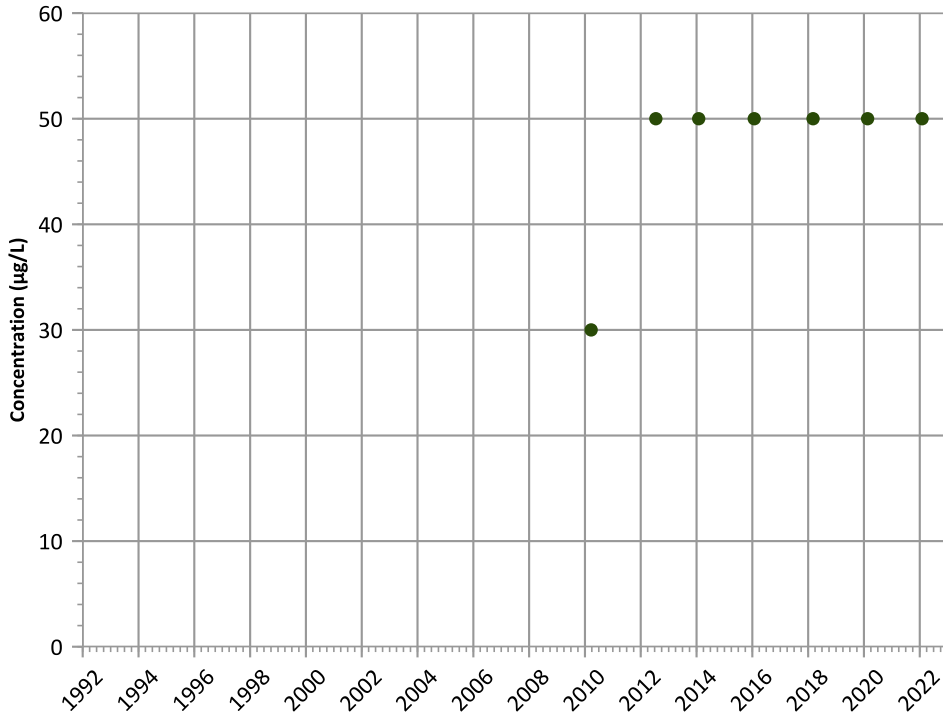


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

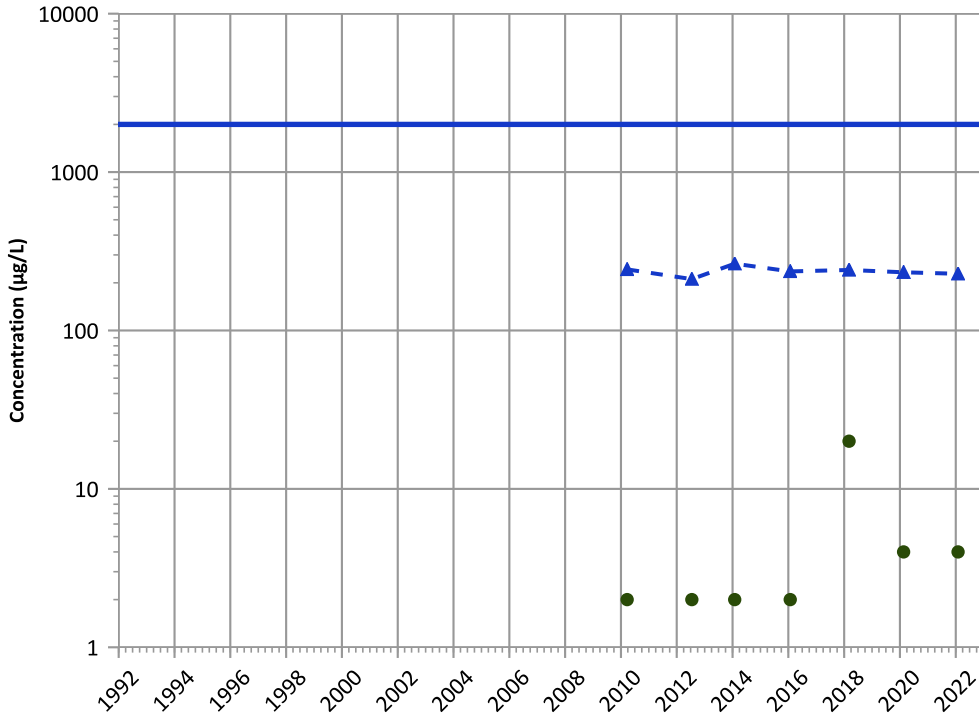


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

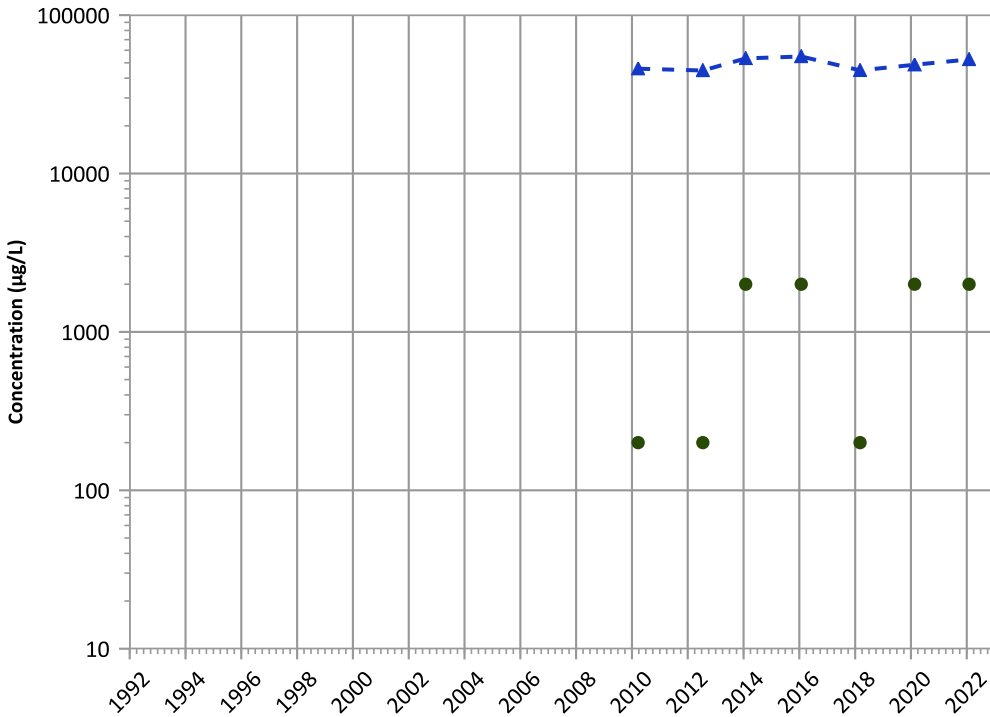


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

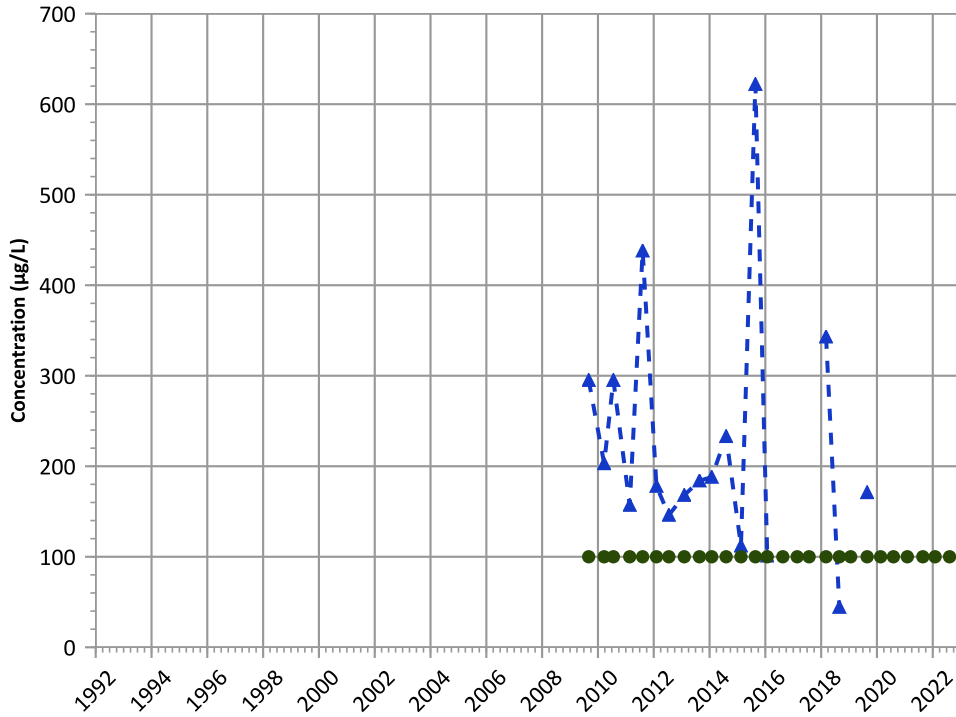
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

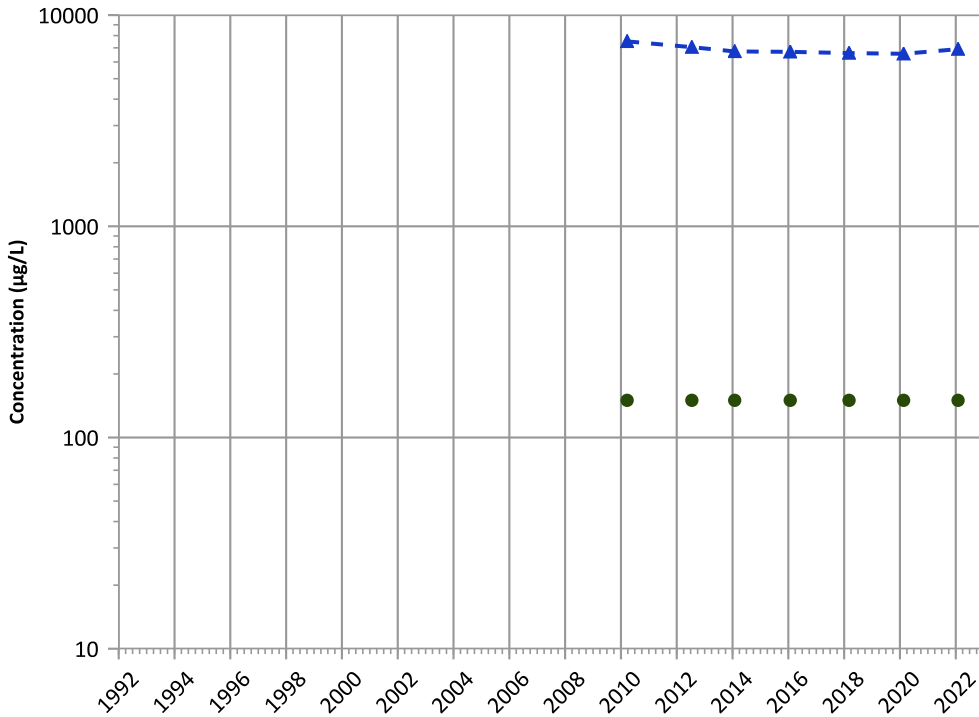
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Well Location

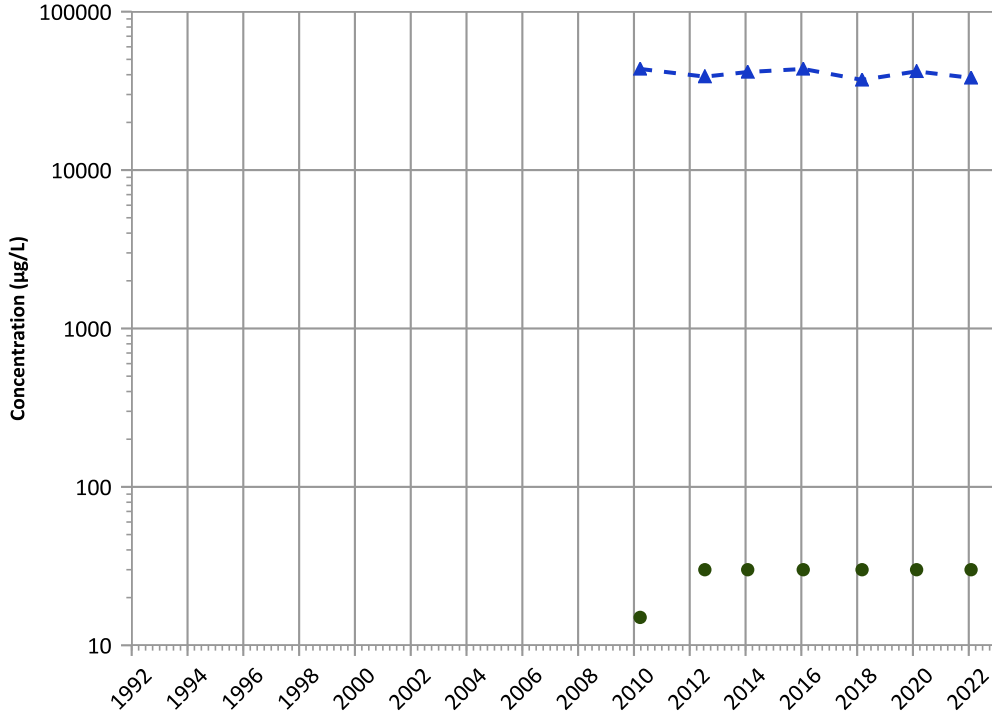


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

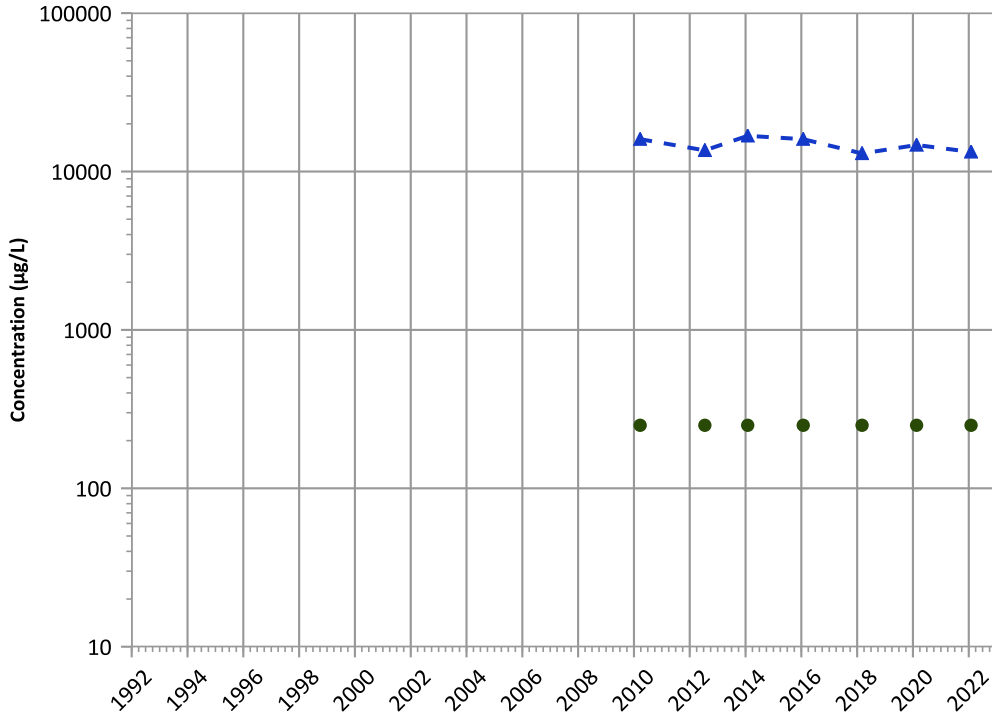


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

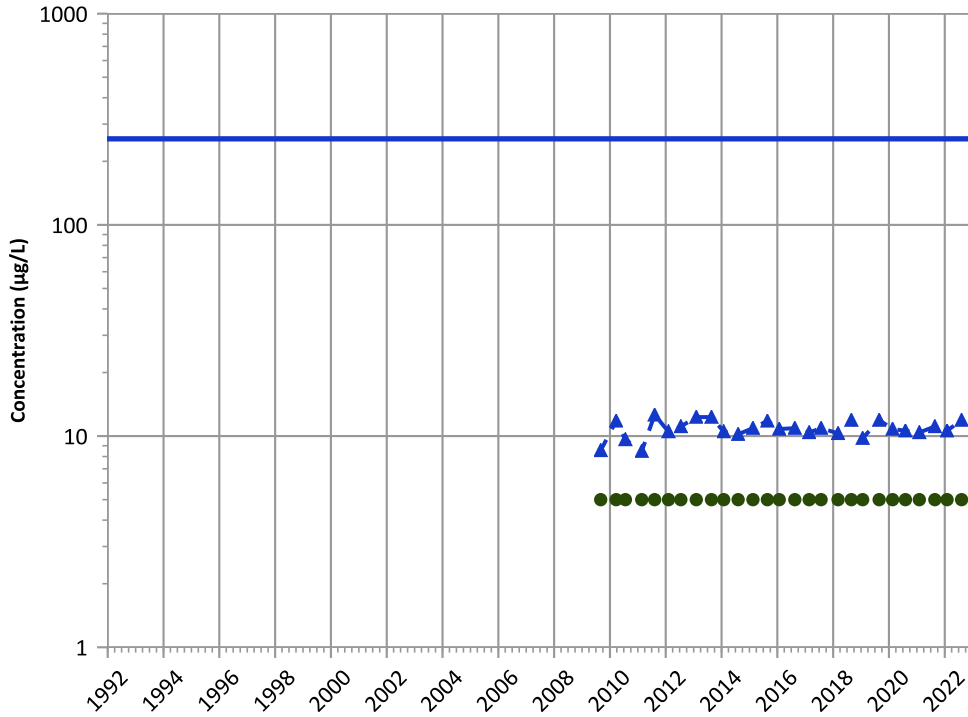
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1146 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 08/09/2022  
Analysis Date: 04/27/2023

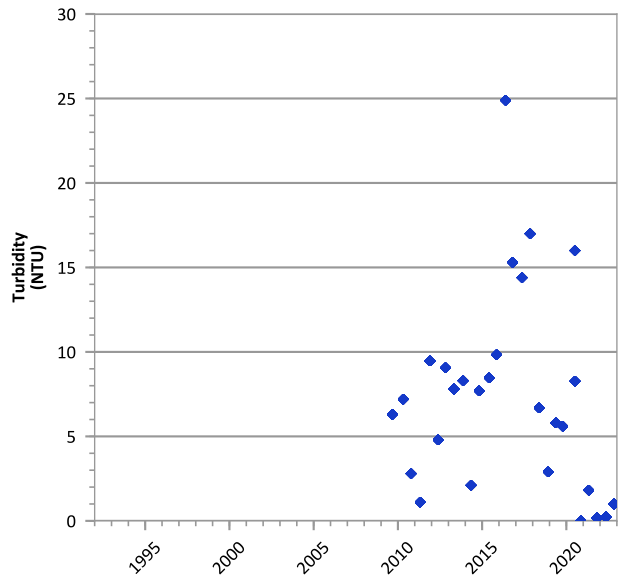
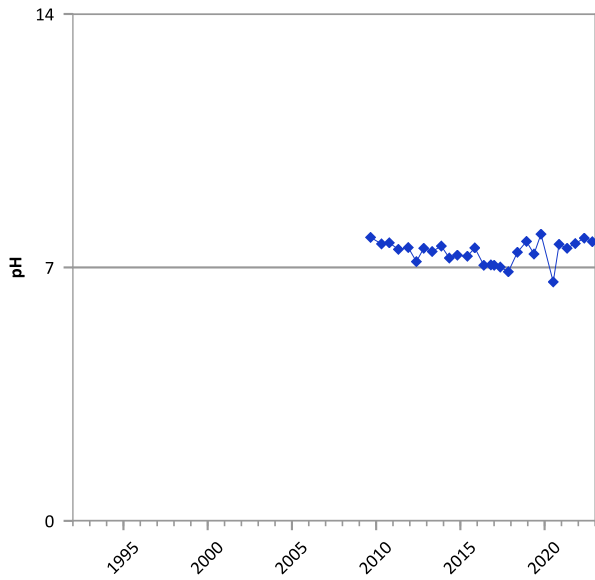
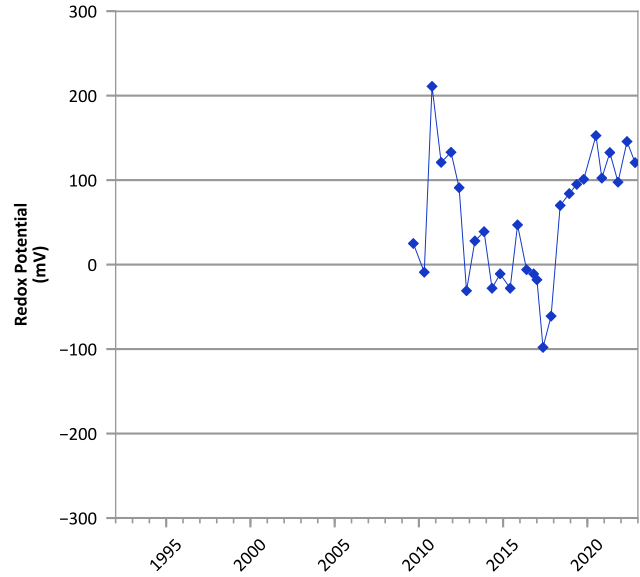
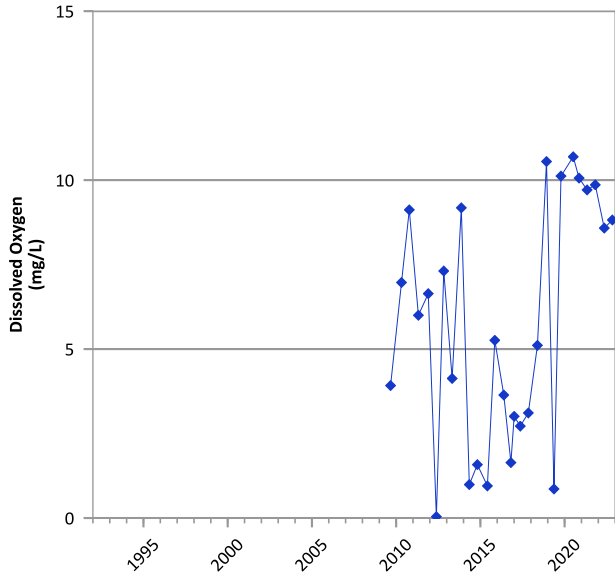
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



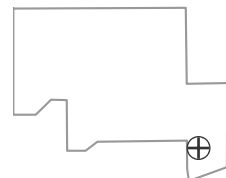


**PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



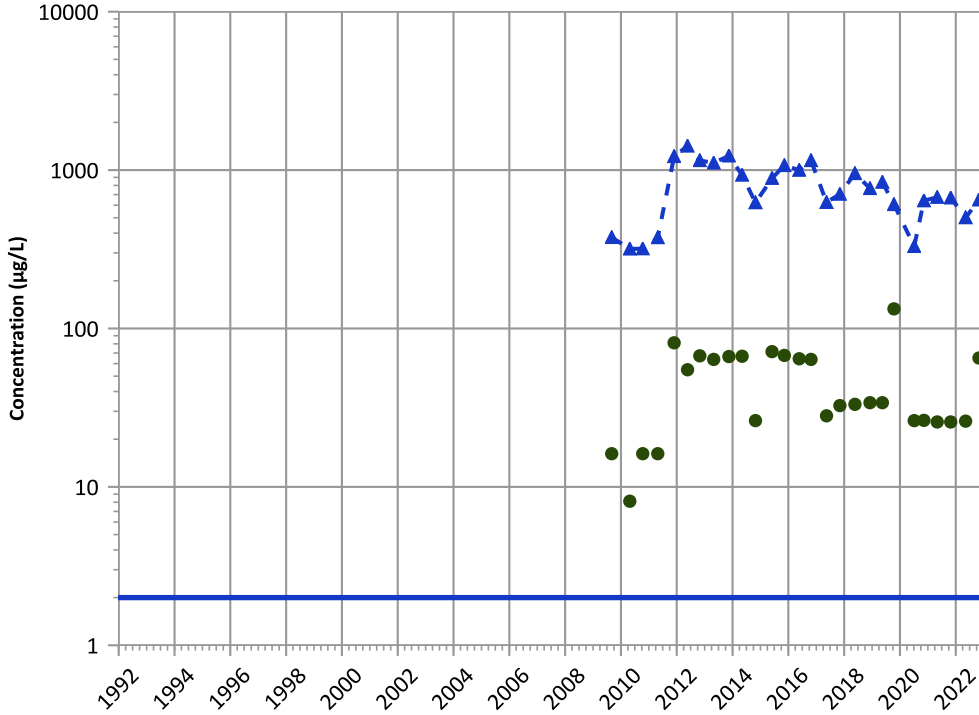
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/02/2009 to 11/01/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

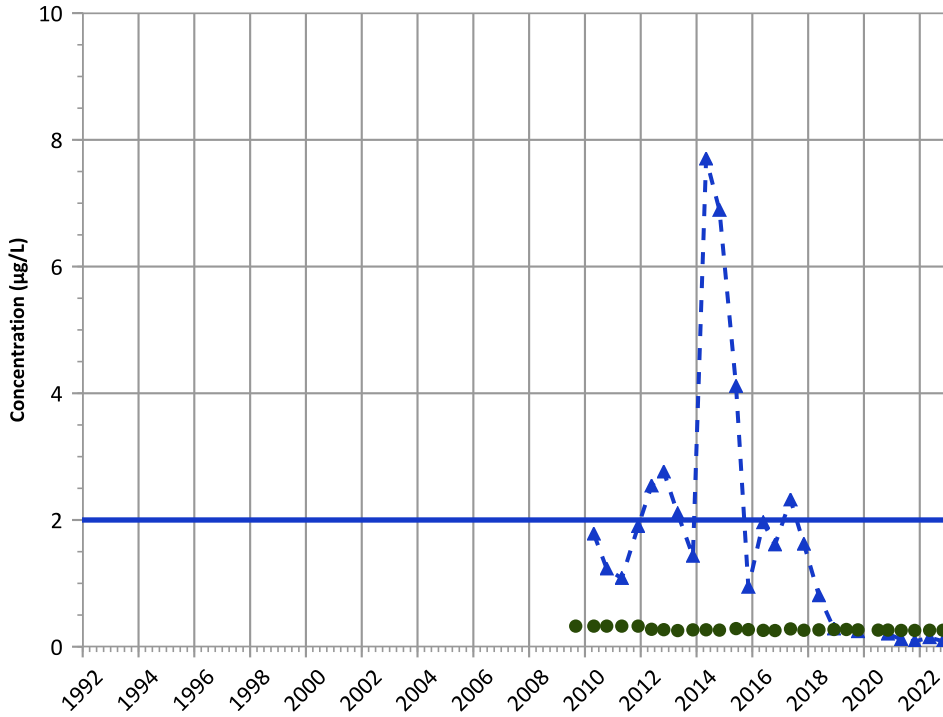


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

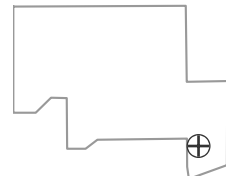


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

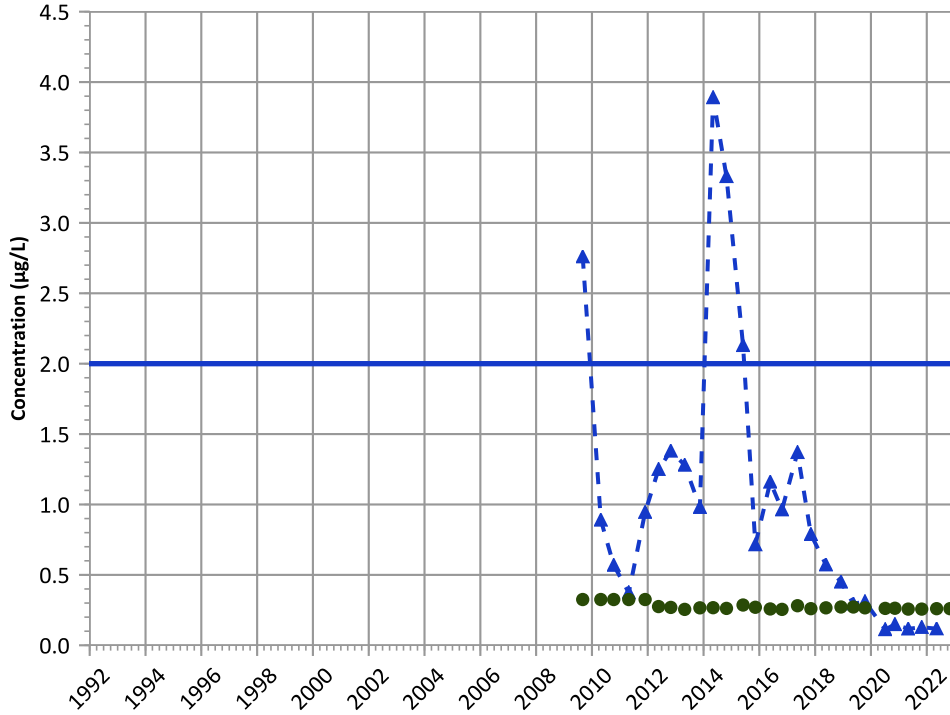


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

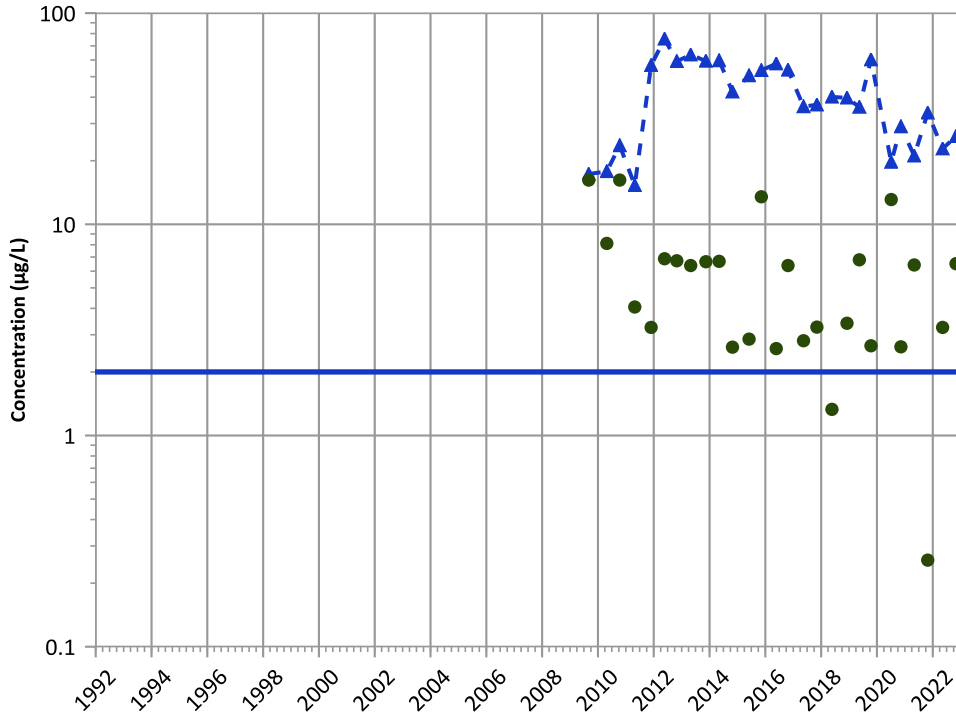


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

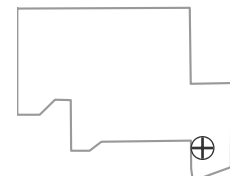


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Well Location

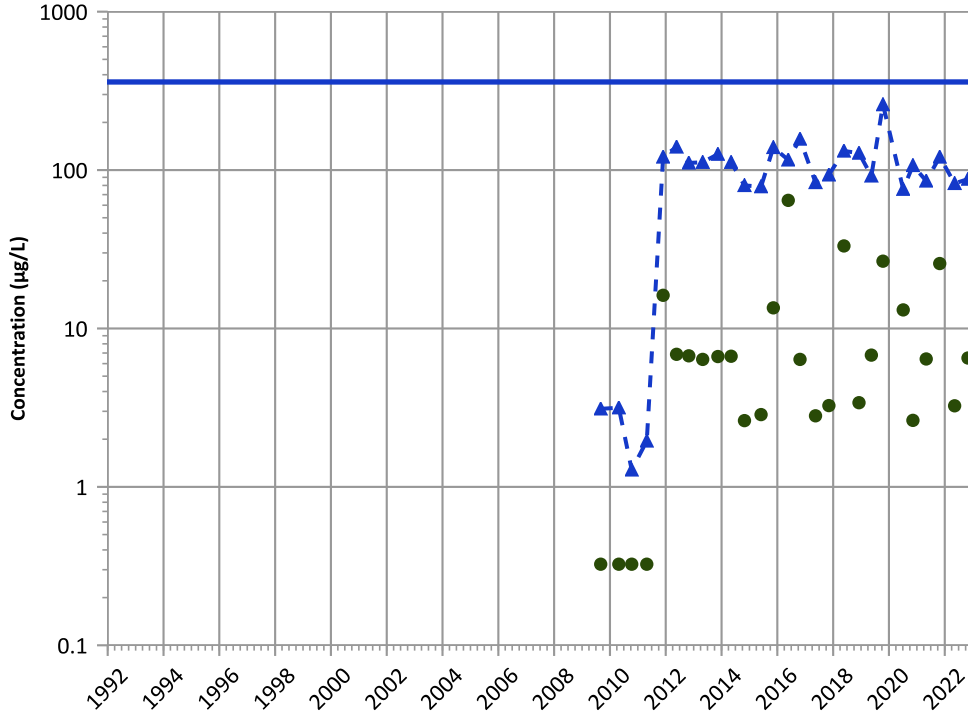


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

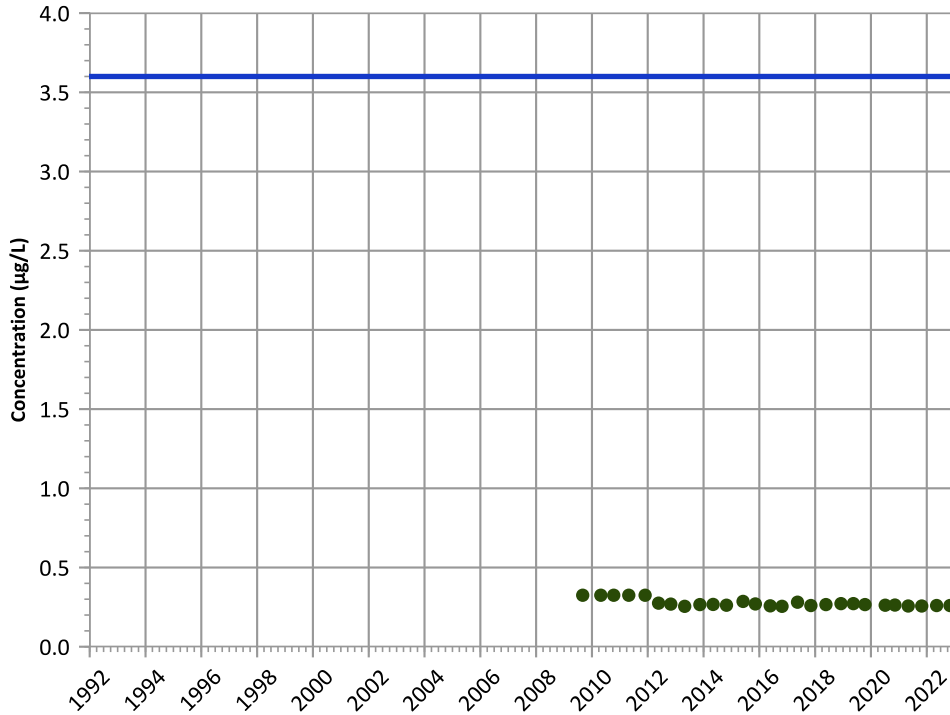


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend

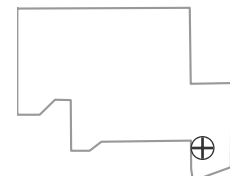


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

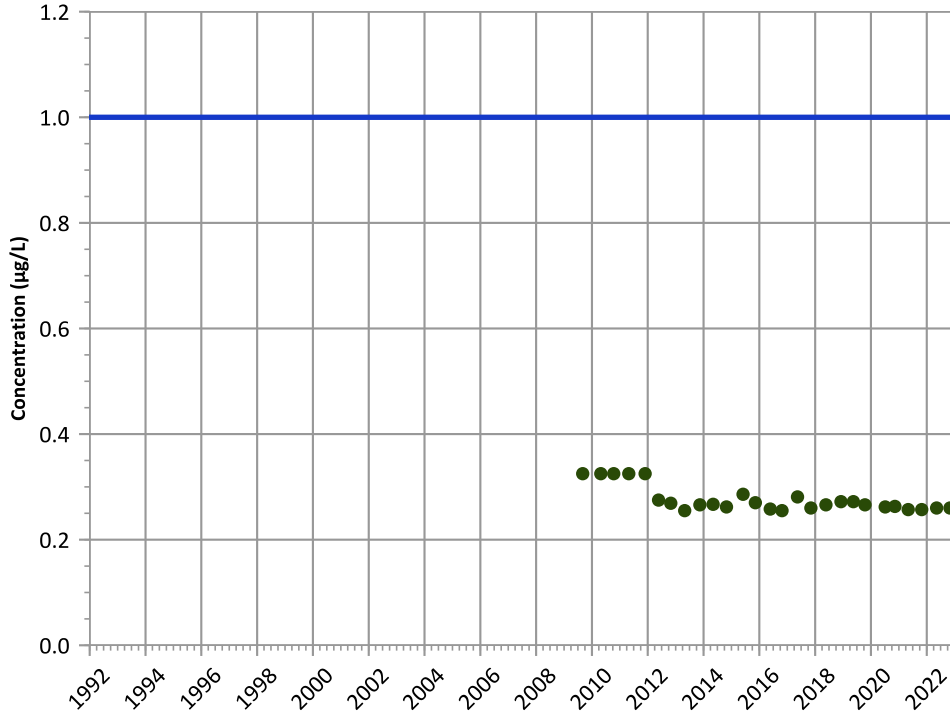


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

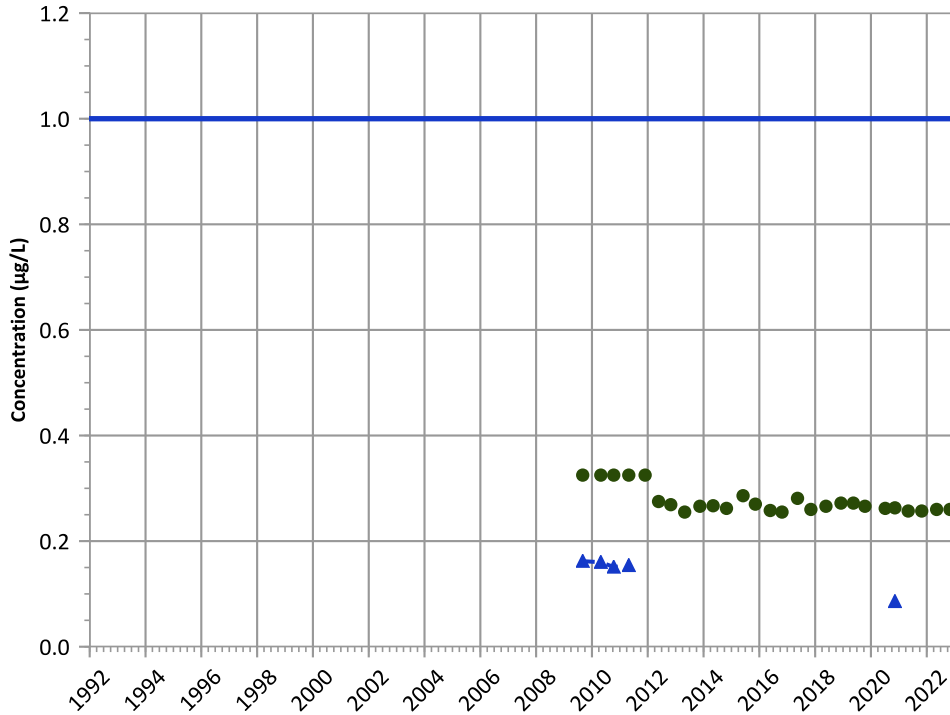
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

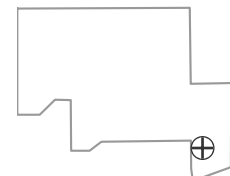
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

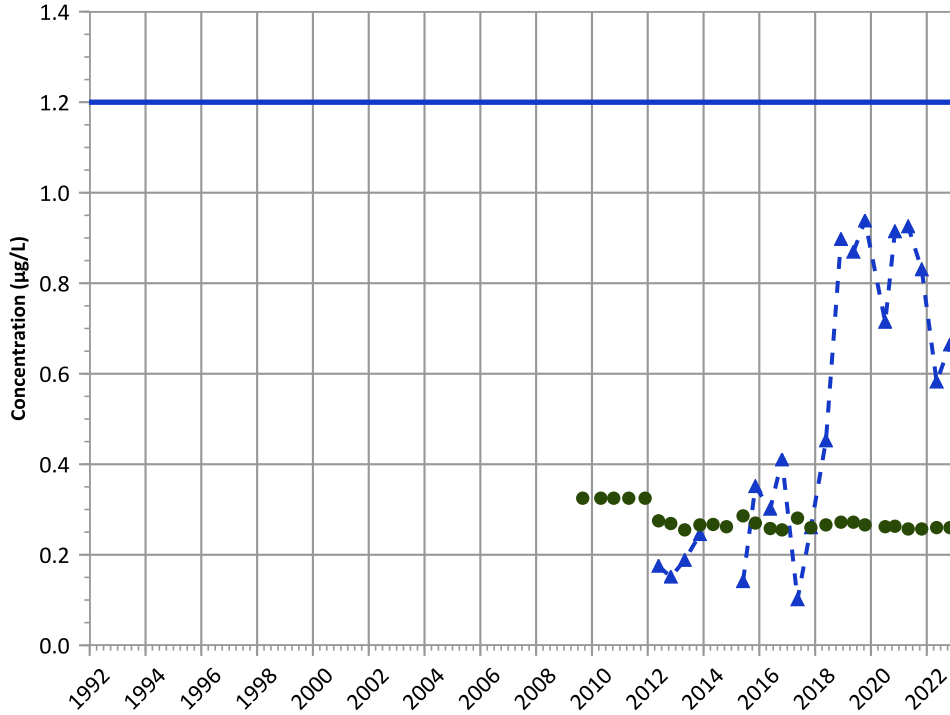


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

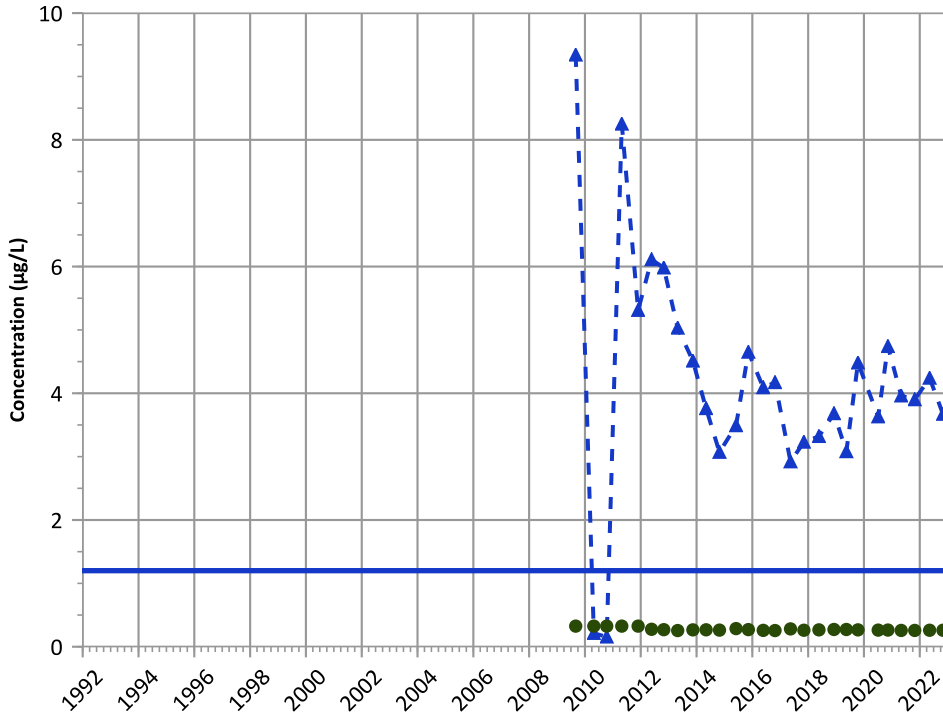
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

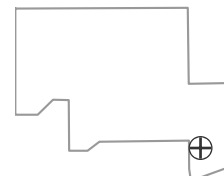
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

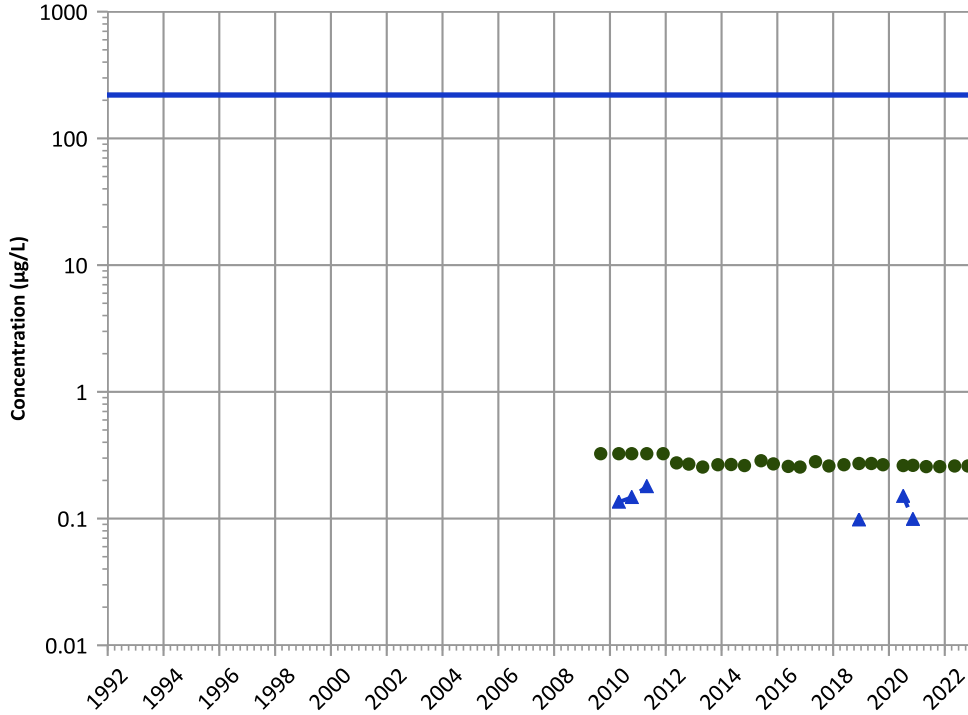
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

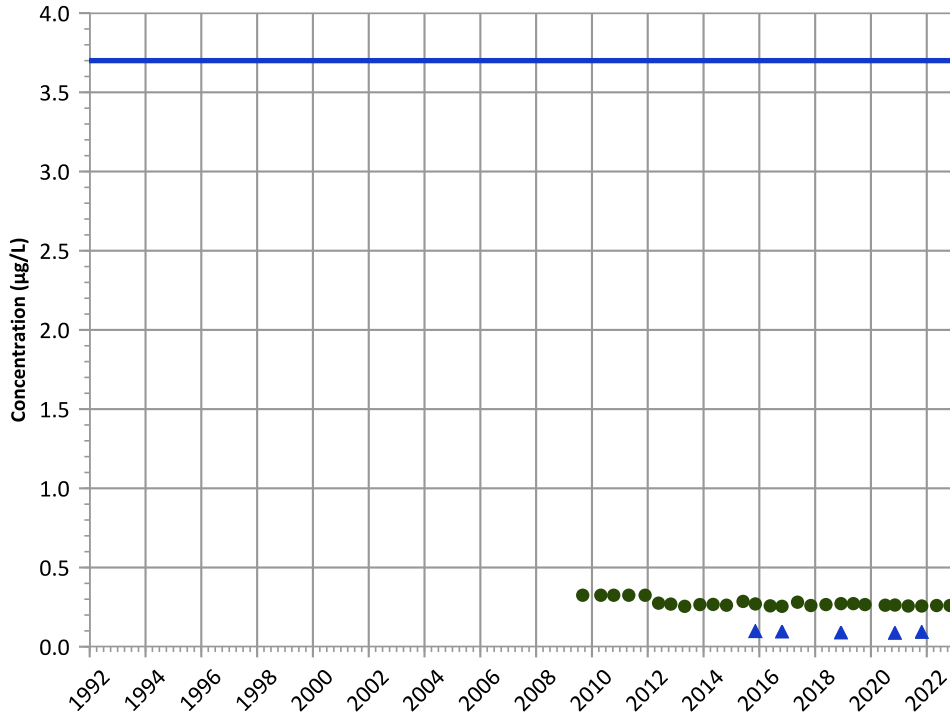


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

1,3-Dinitrobenzene Trend



Concentration Trend

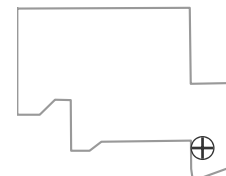
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

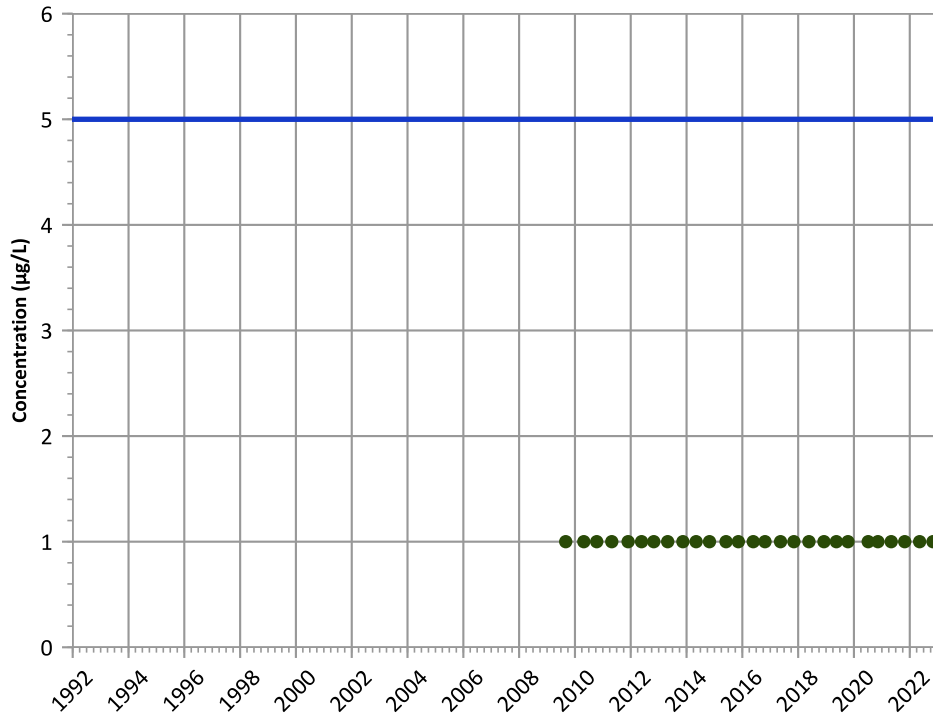
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

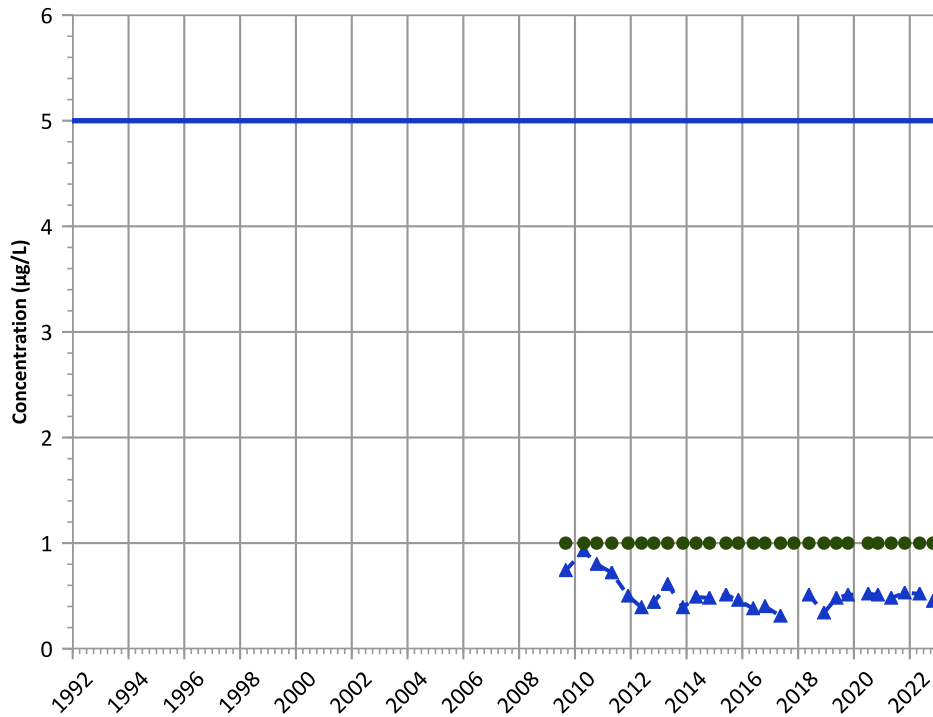
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

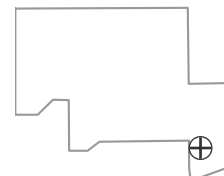
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

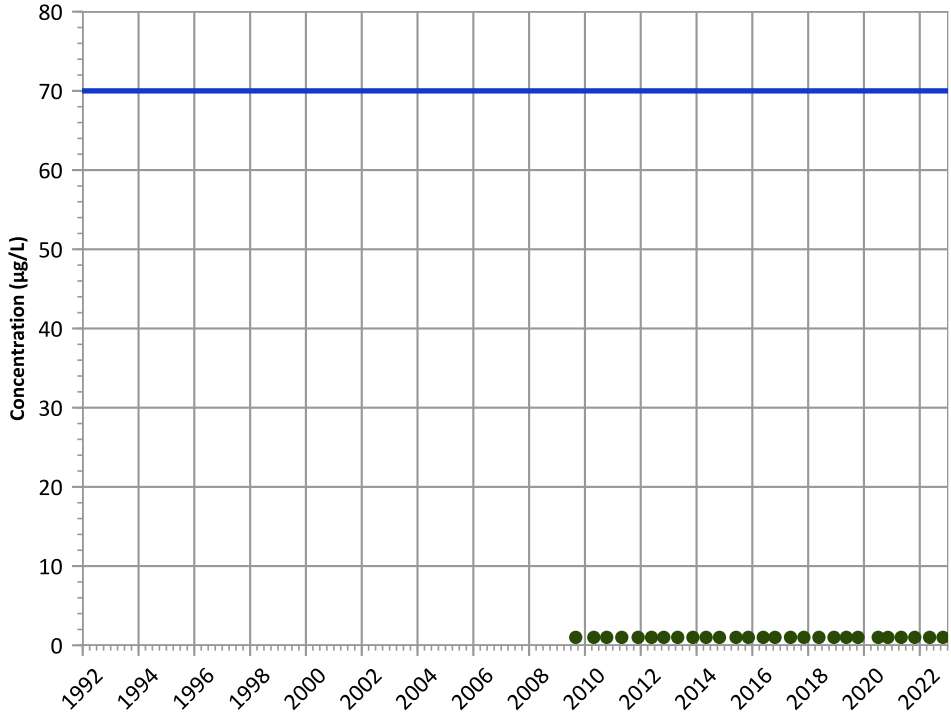
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

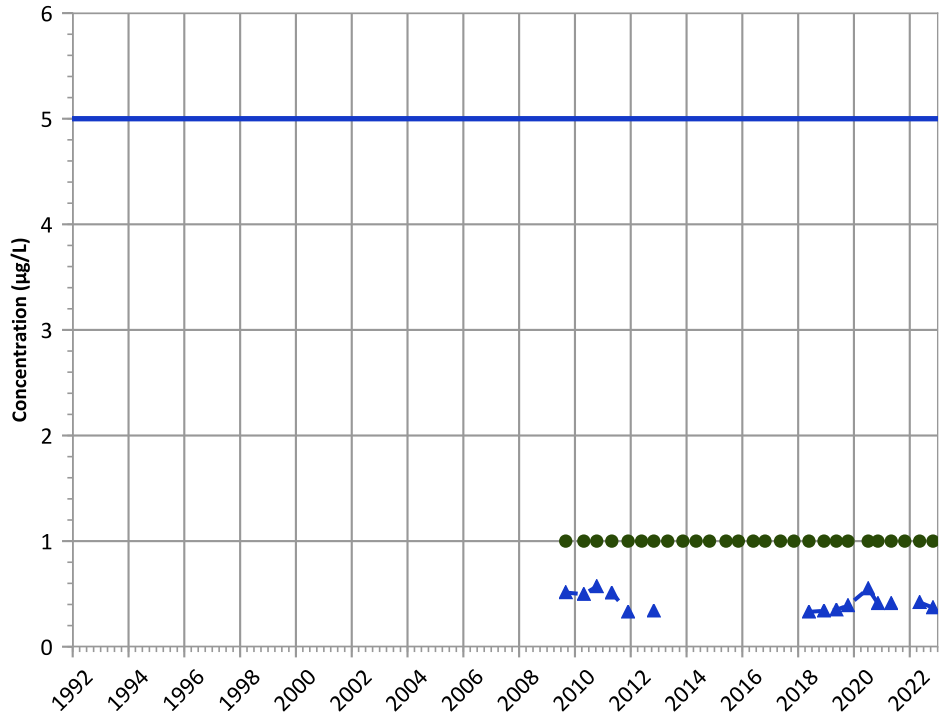
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

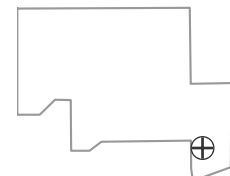
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Stable

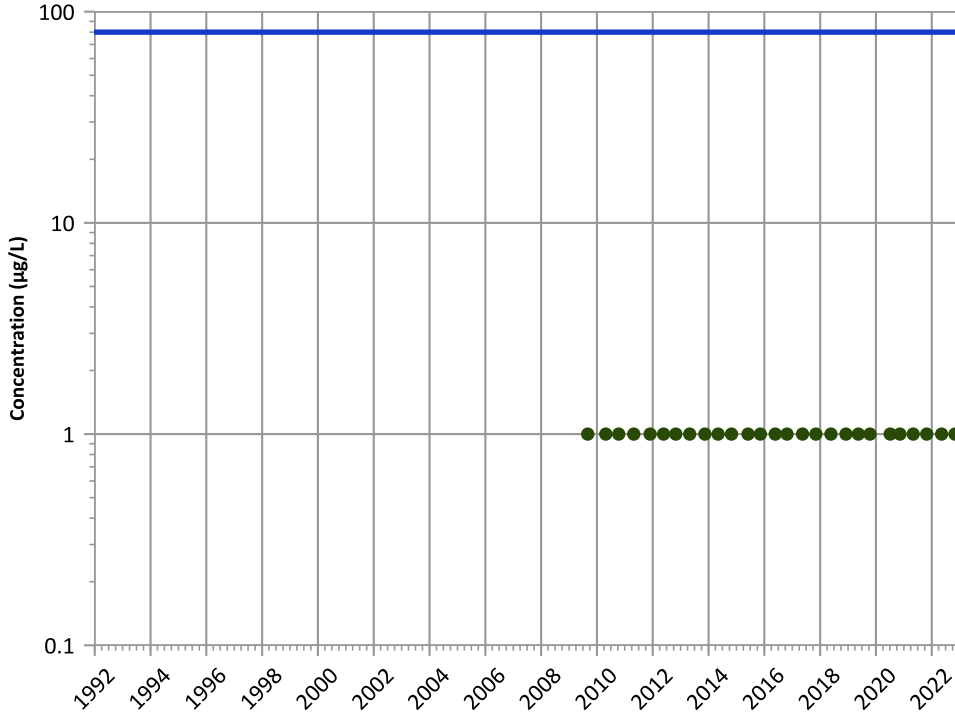
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

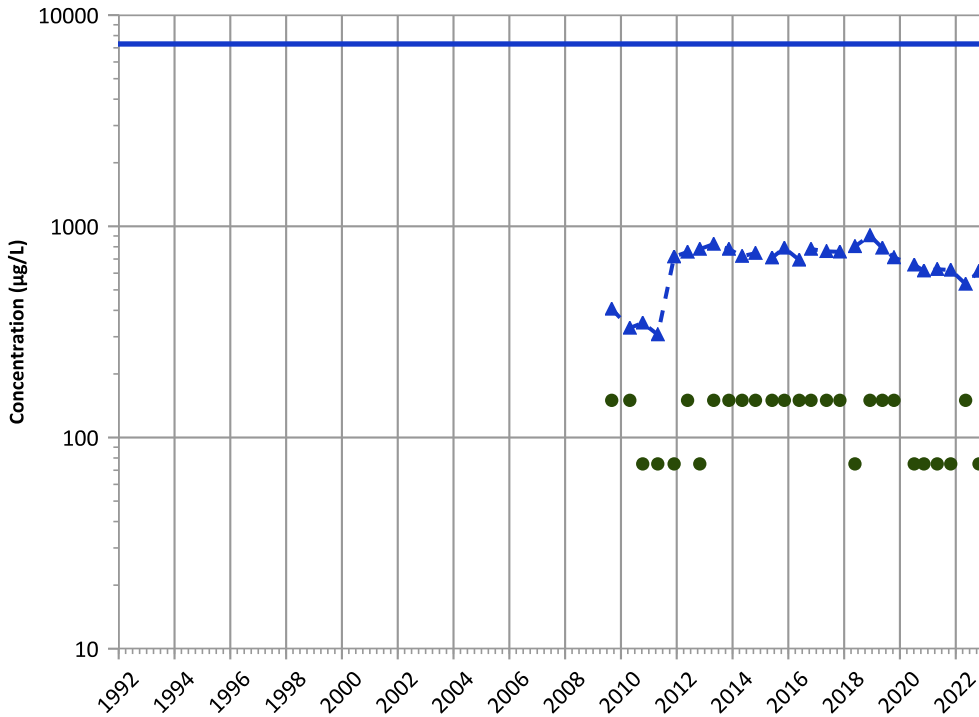


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

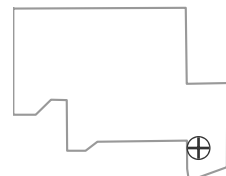
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

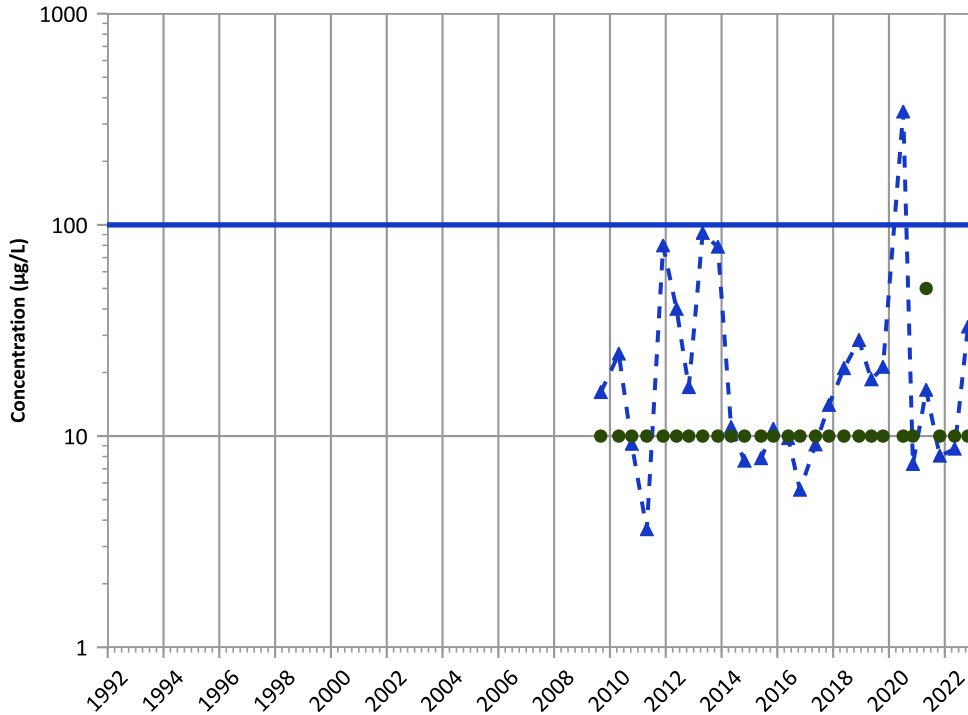
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1147 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Chromium, Total Trend

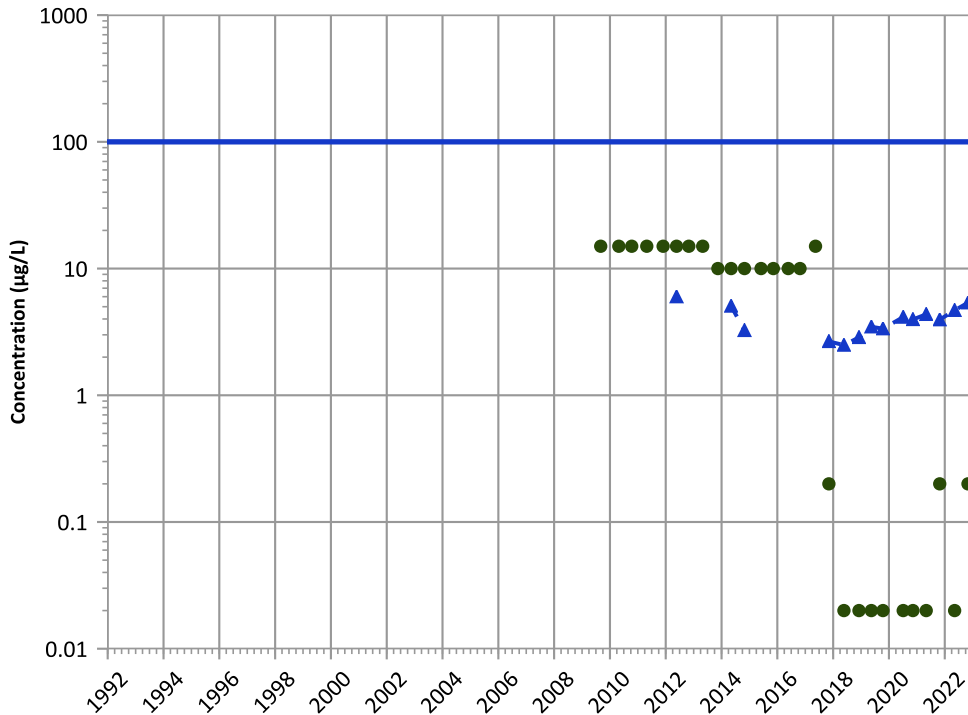


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

Chromium, Hexavalent Trend

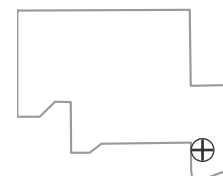


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

**Well Location**

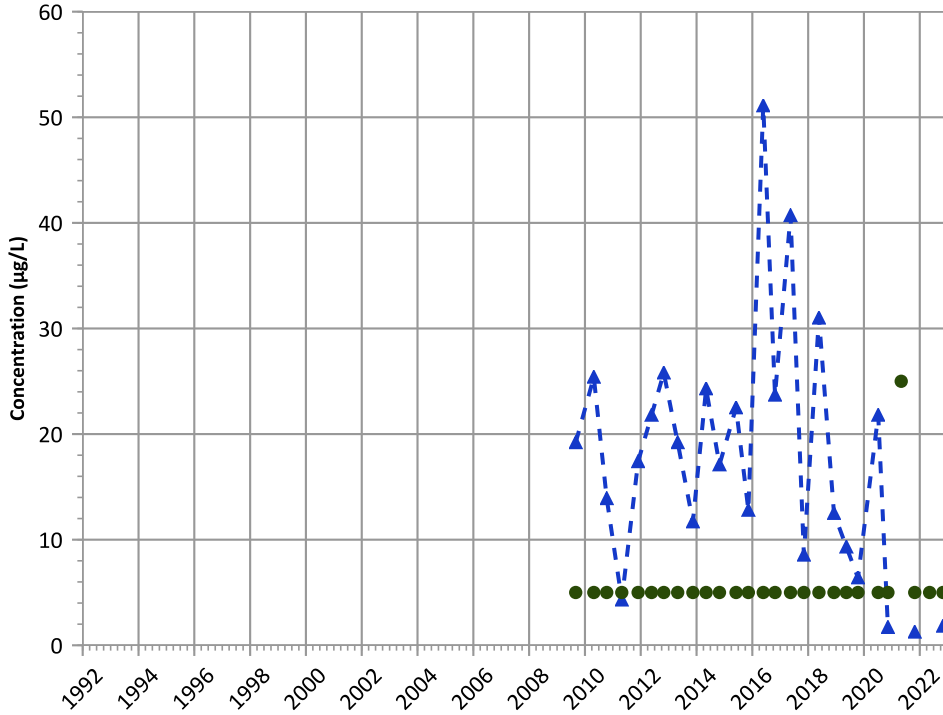


Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/02/2009 to 11/01/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

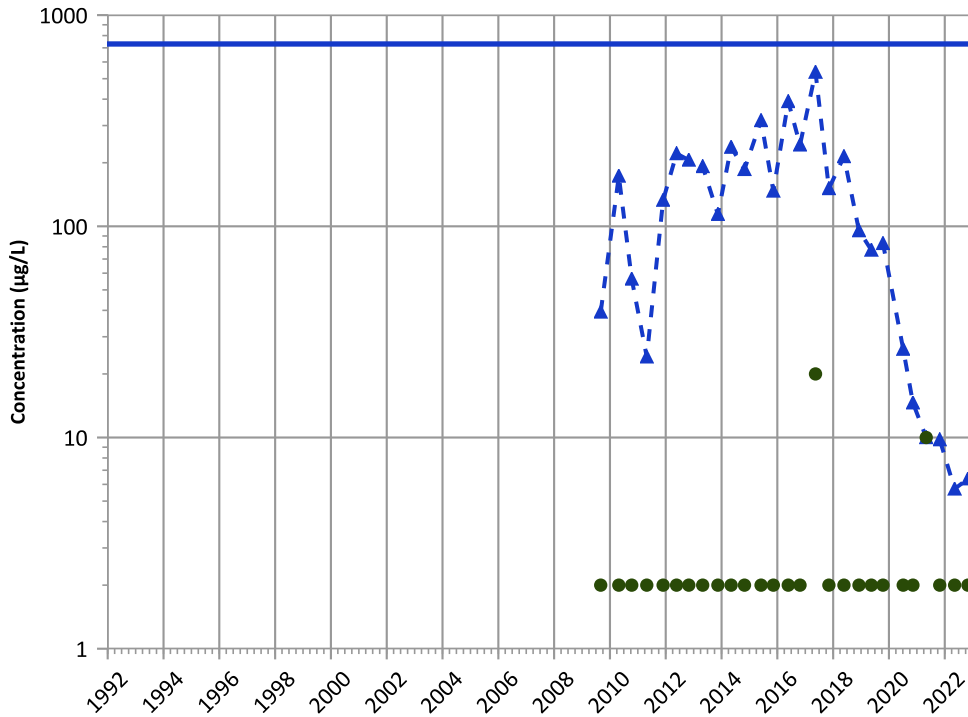


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Nickel Trend



Concentration Trend

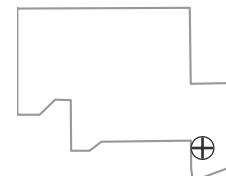
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

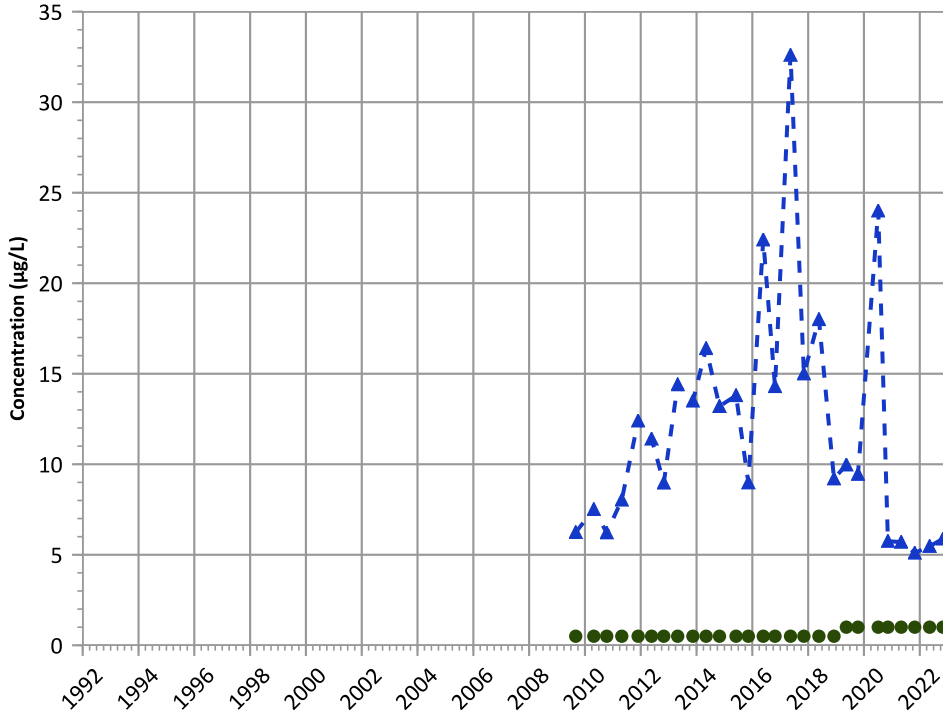
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

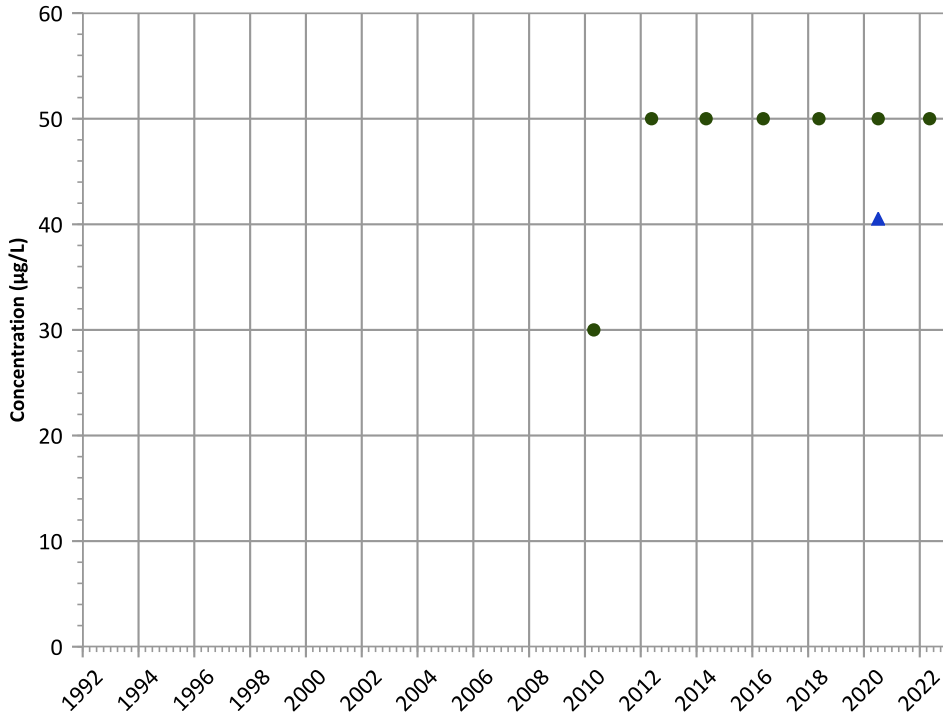


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Aluminum Trend

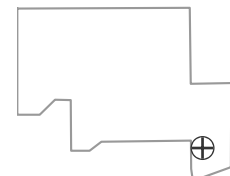


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

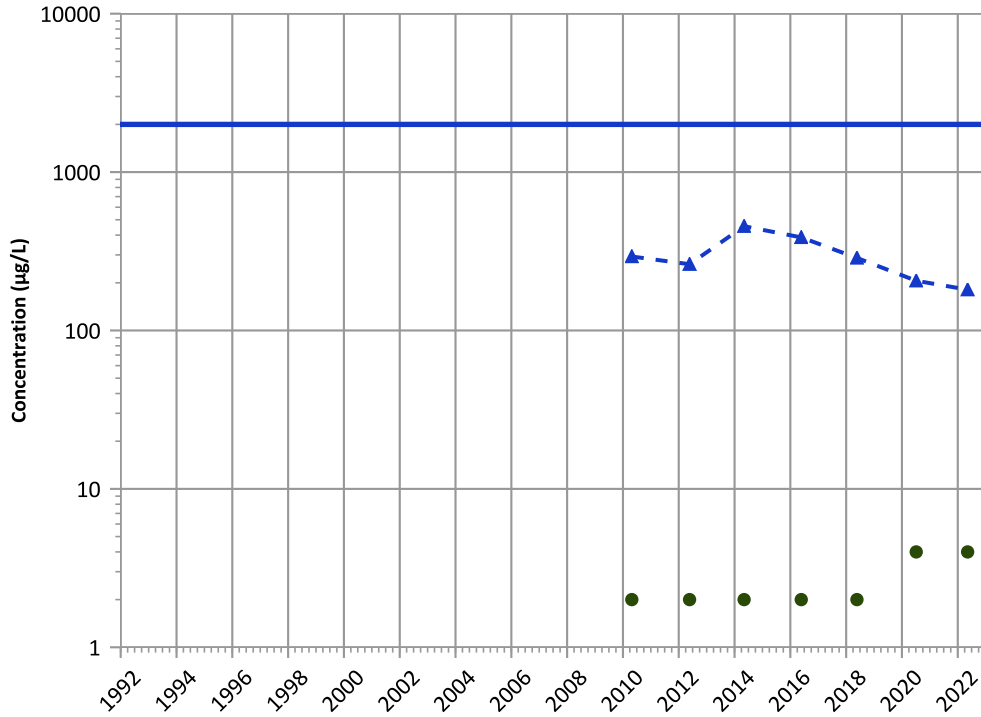


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

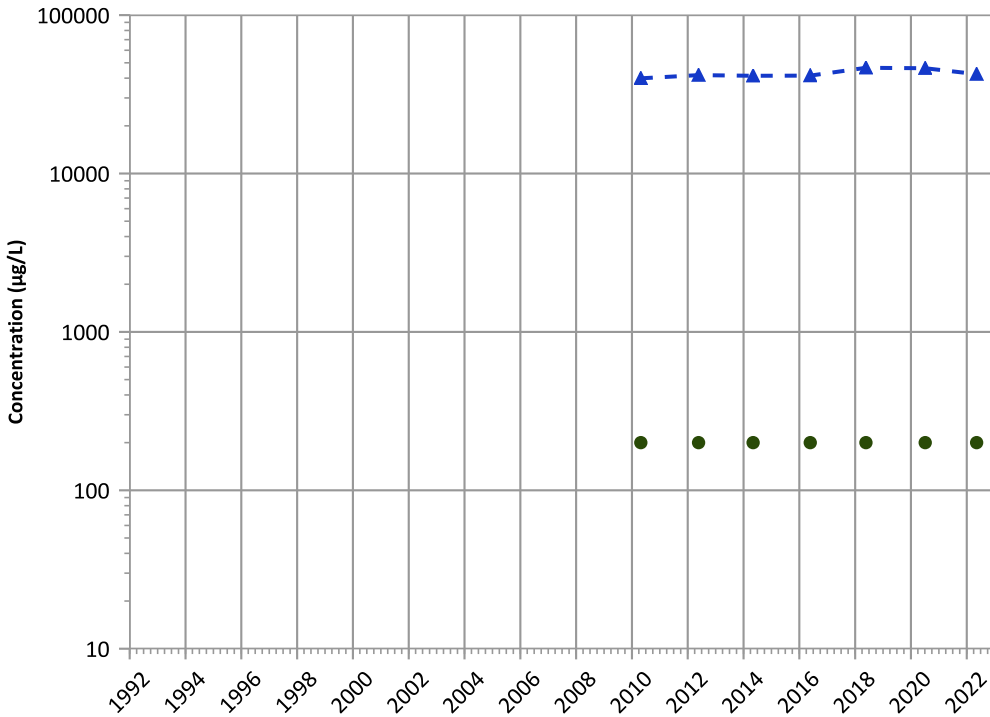


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Calcium Trend



Concentration Trend

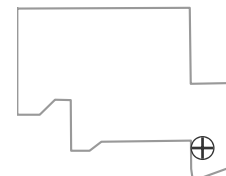
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

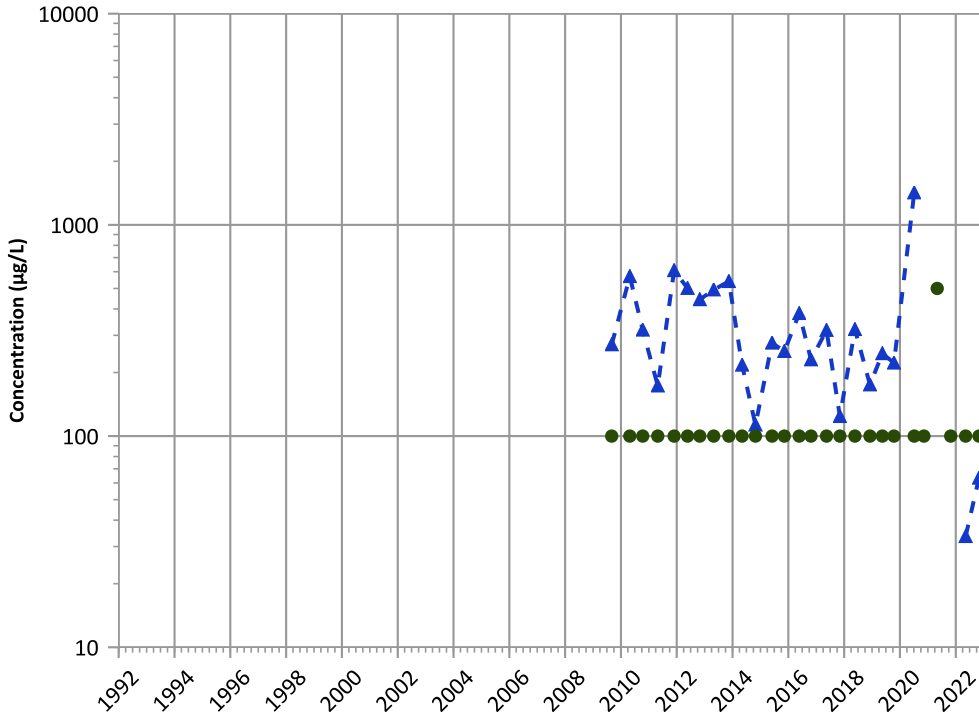
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

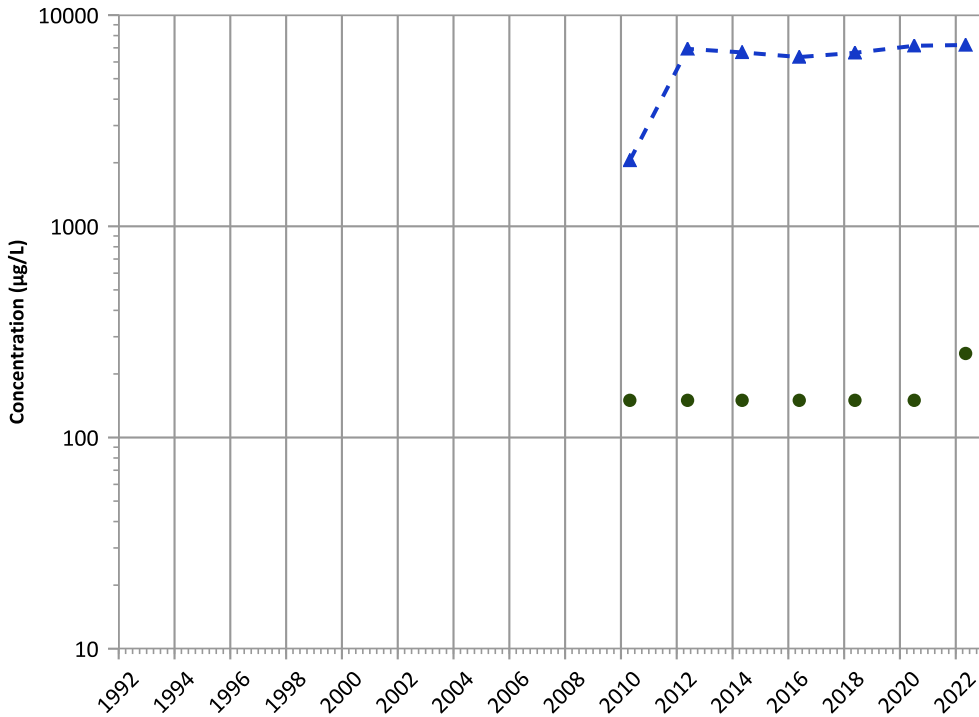


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Potassium Trend



Concentration Trend

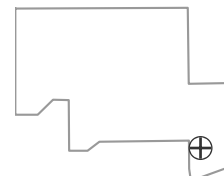
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

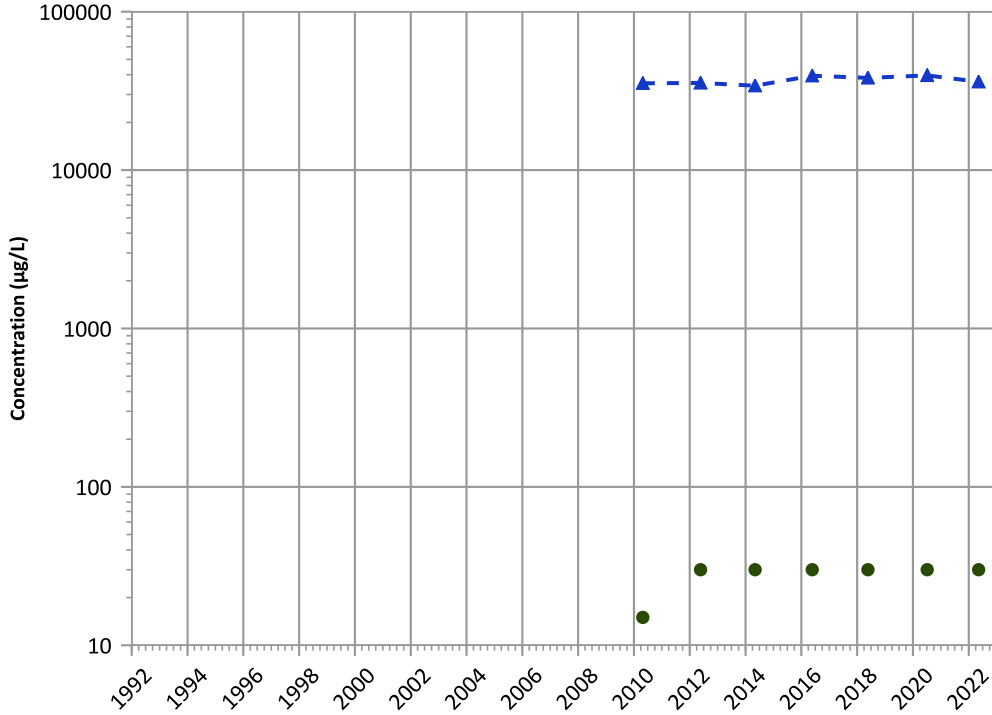
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

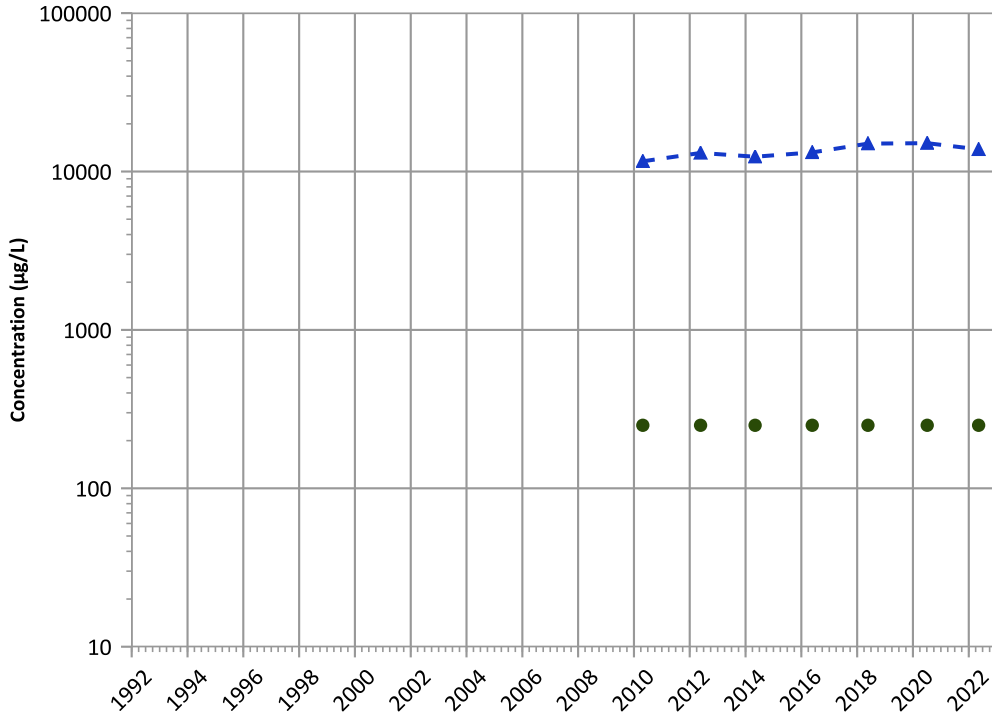


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Sodium Trend

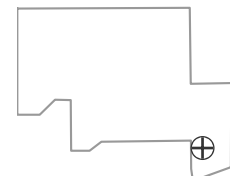


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

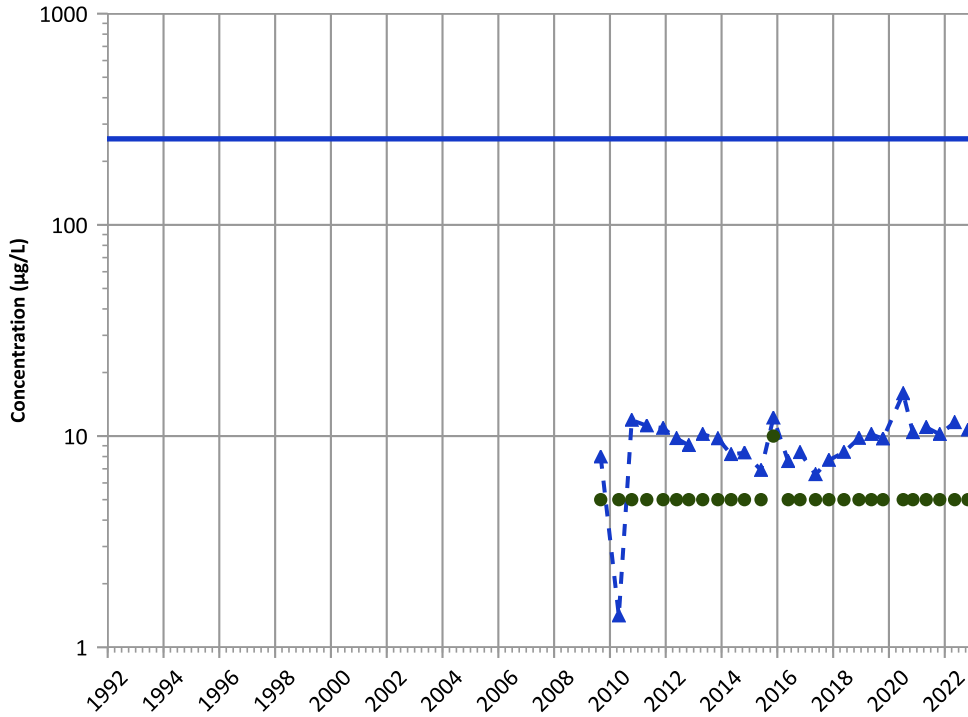


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1147 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

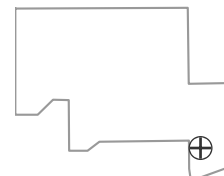
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

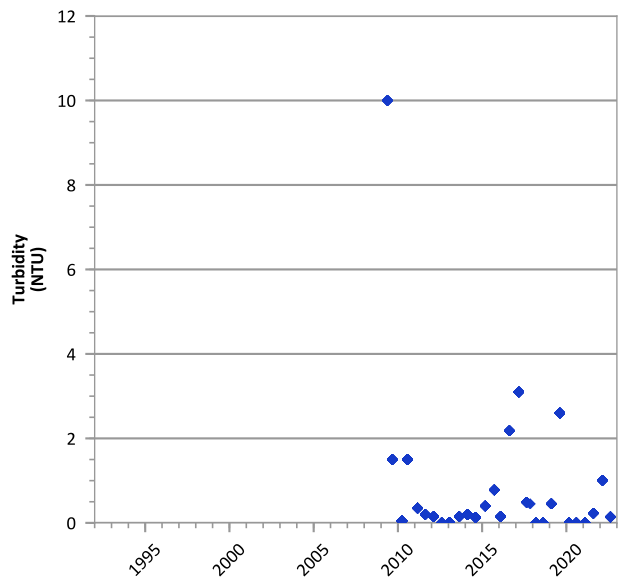
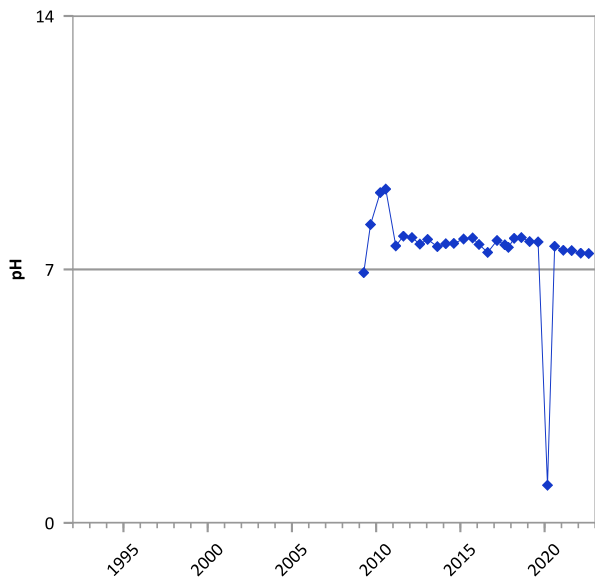
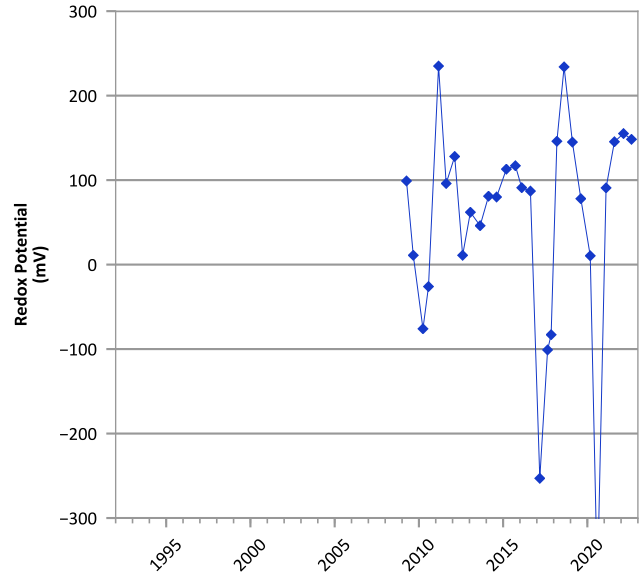
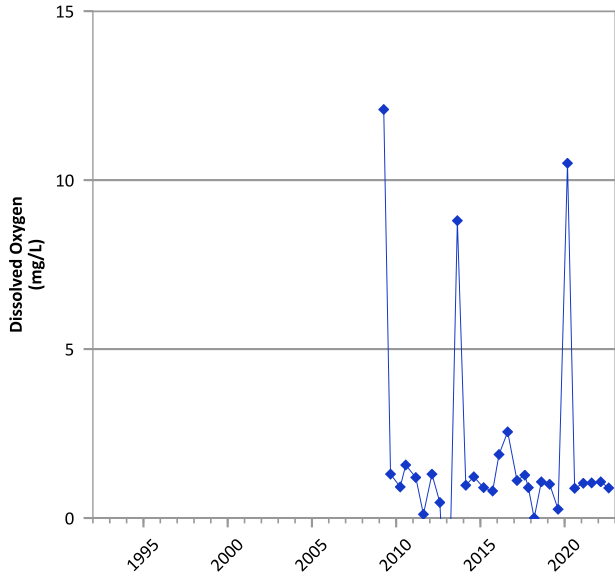
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/02/2009 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



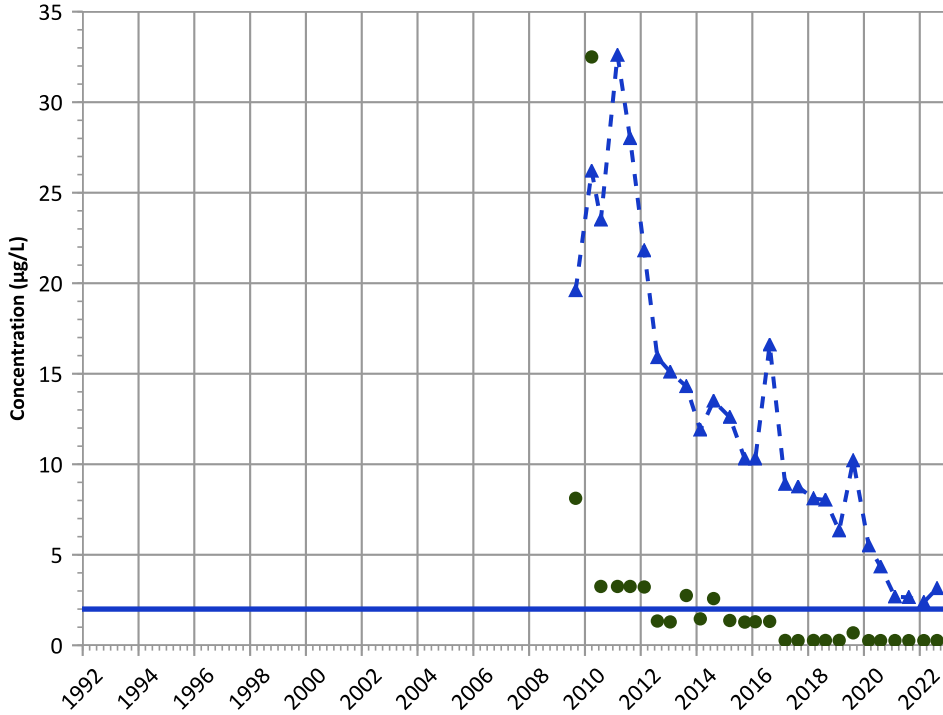
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 05/20/2009 to 08/15/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

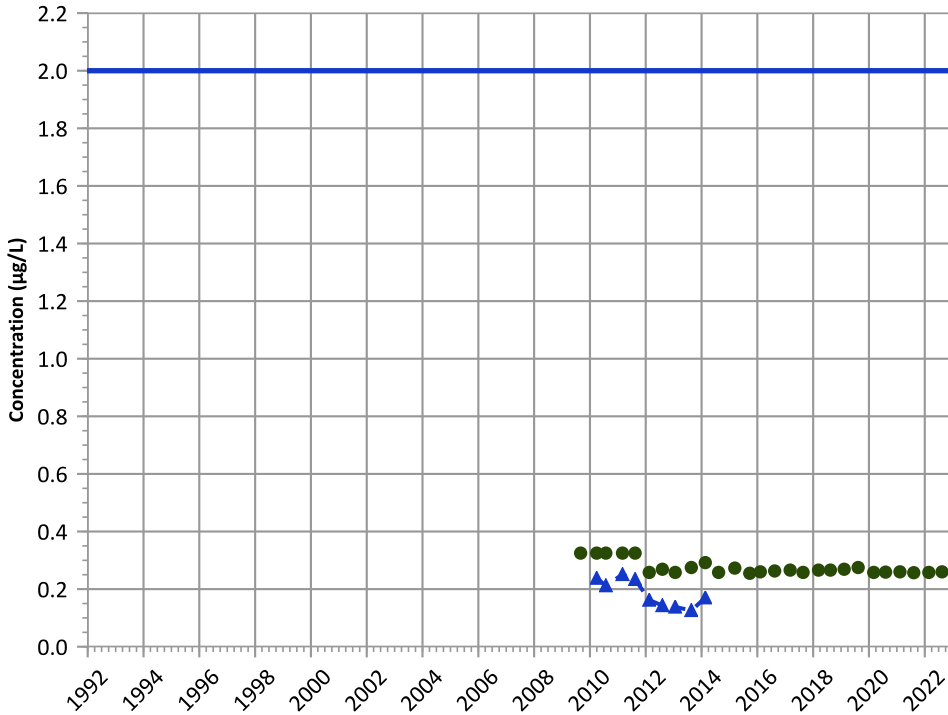


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

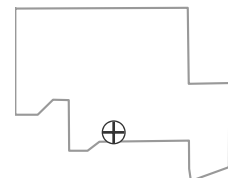
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

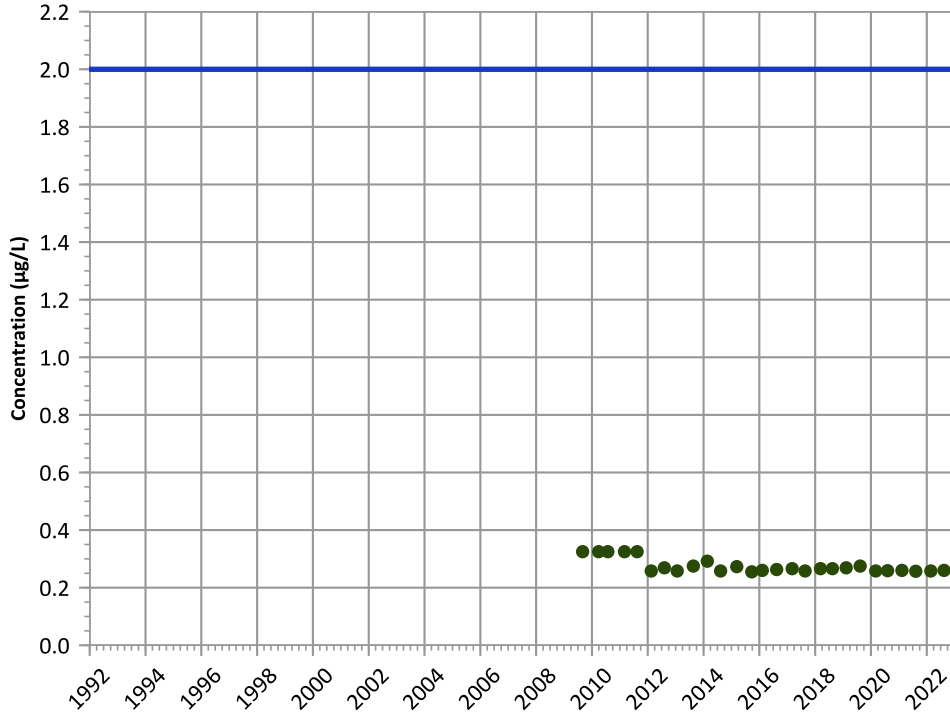
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

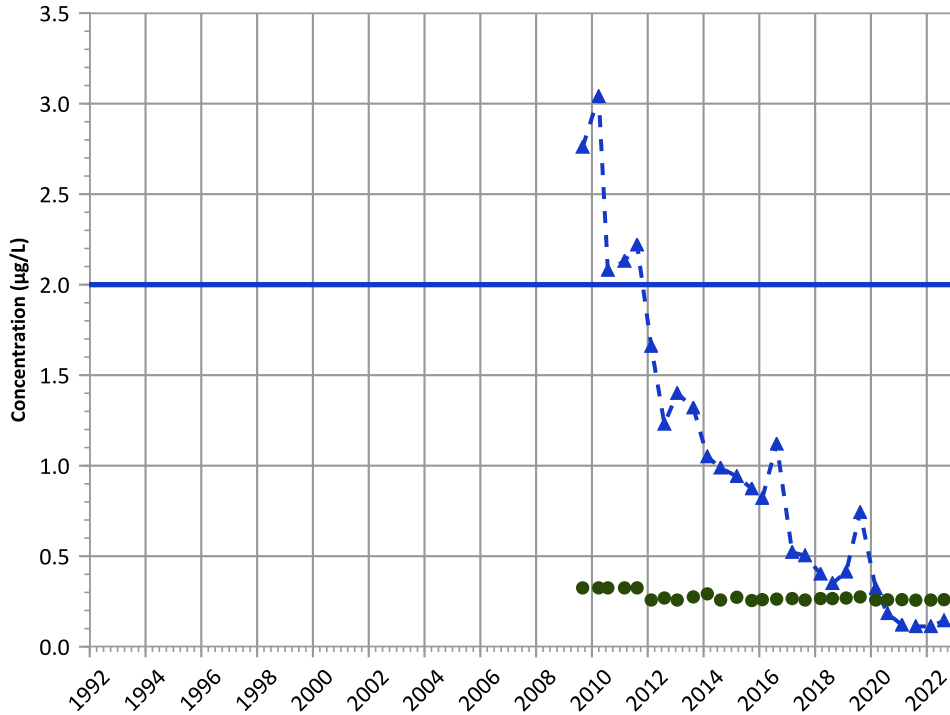


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

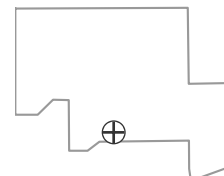
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

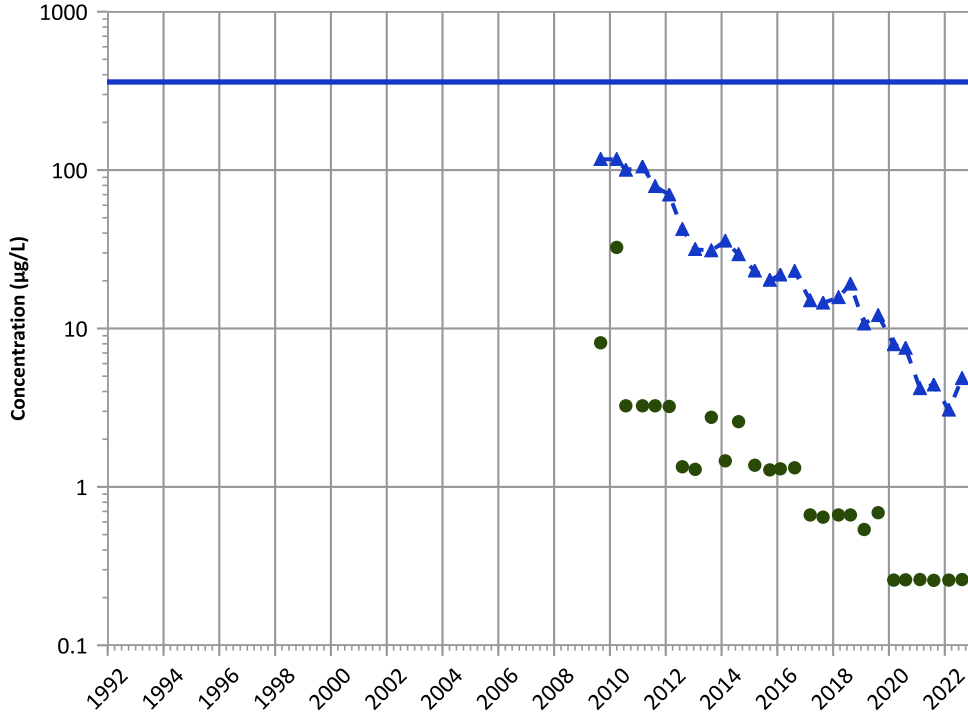
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

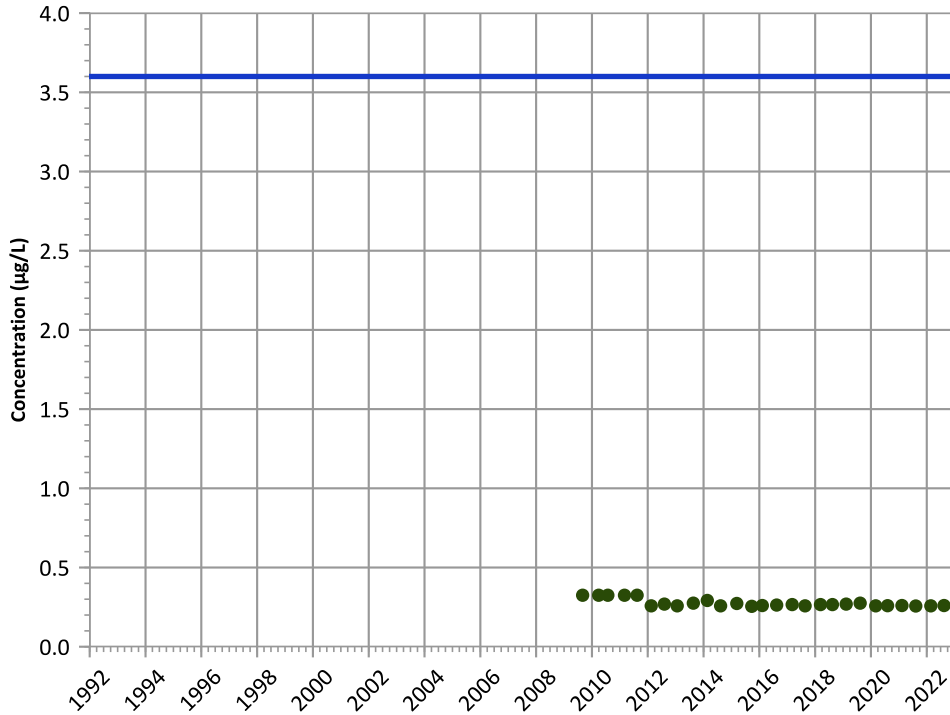


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

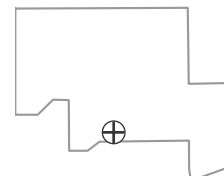
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

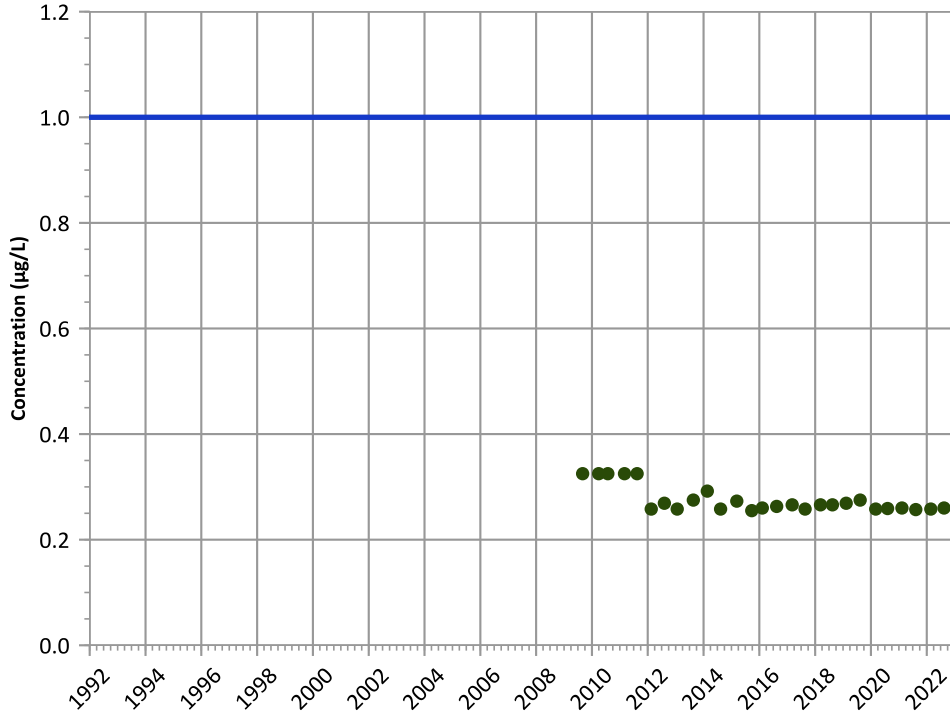
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

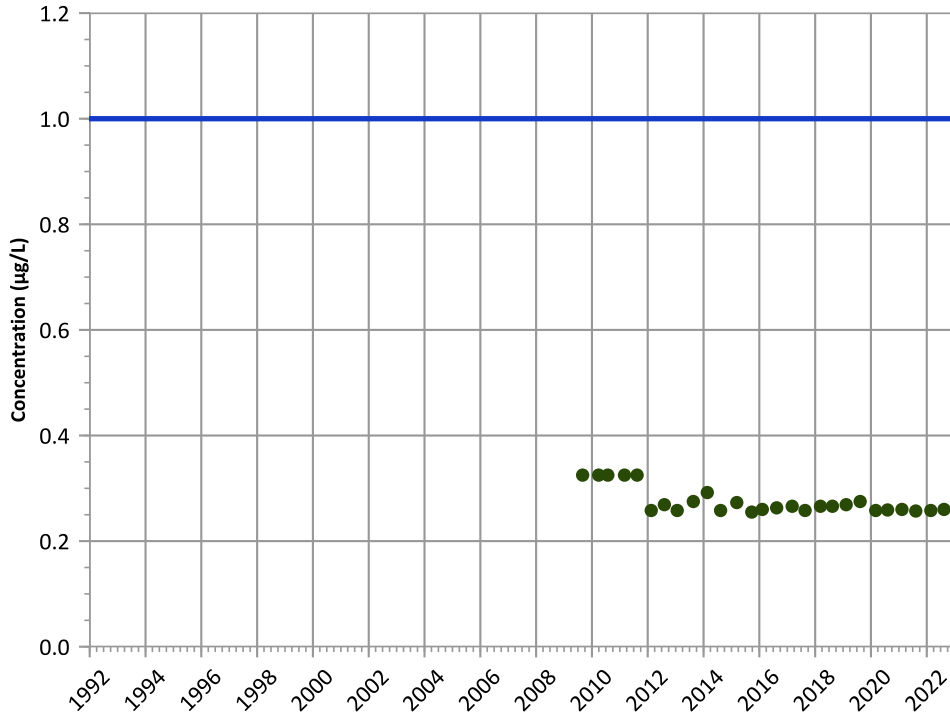
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

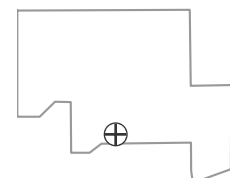
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

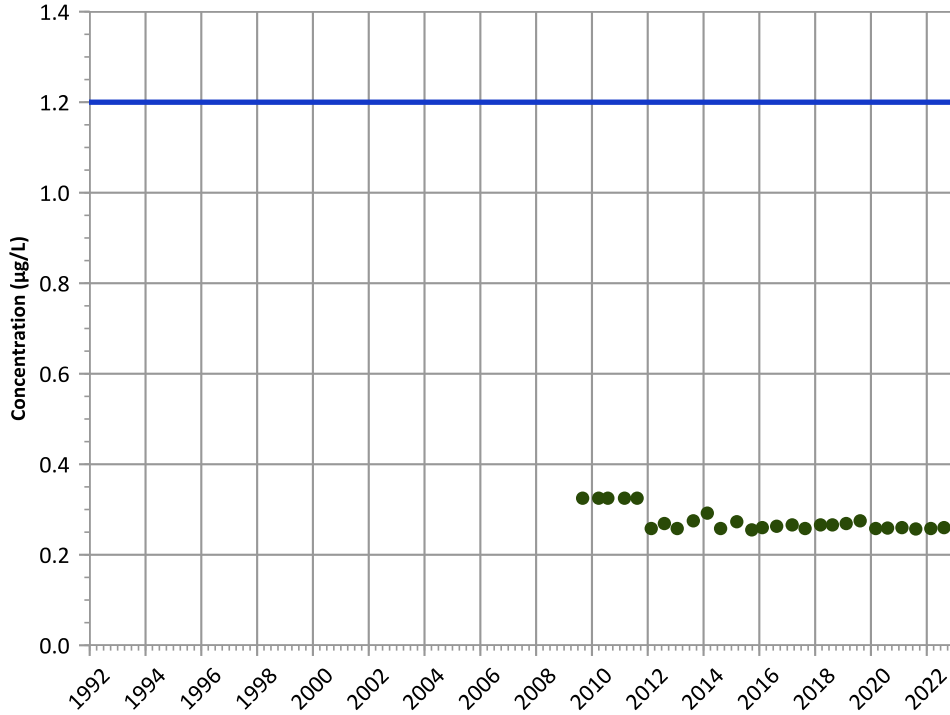


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

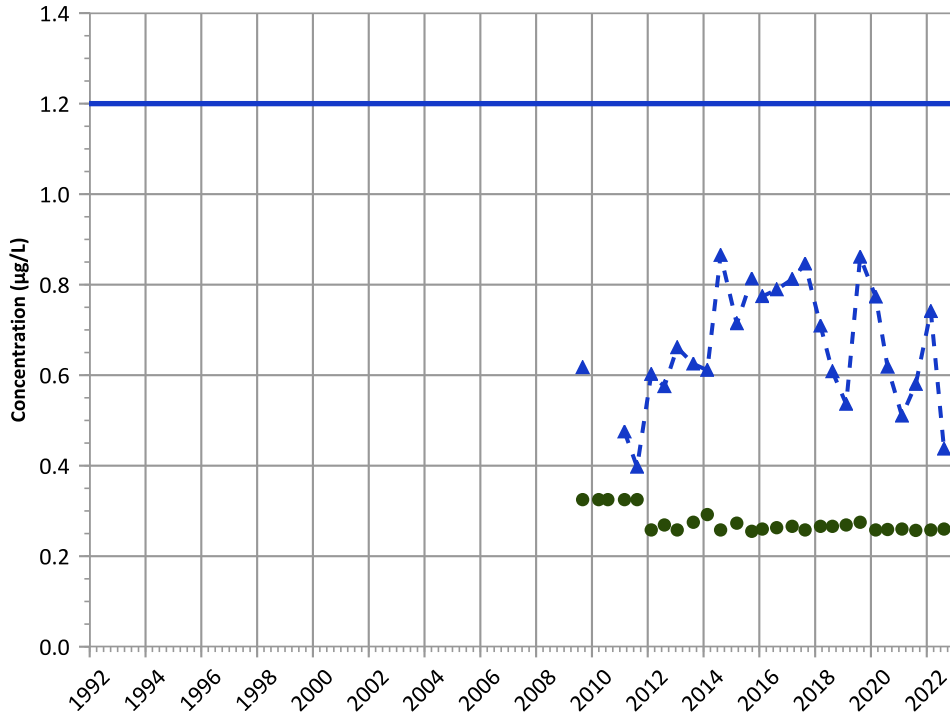
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

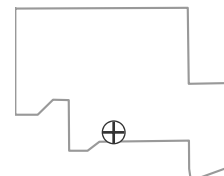
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

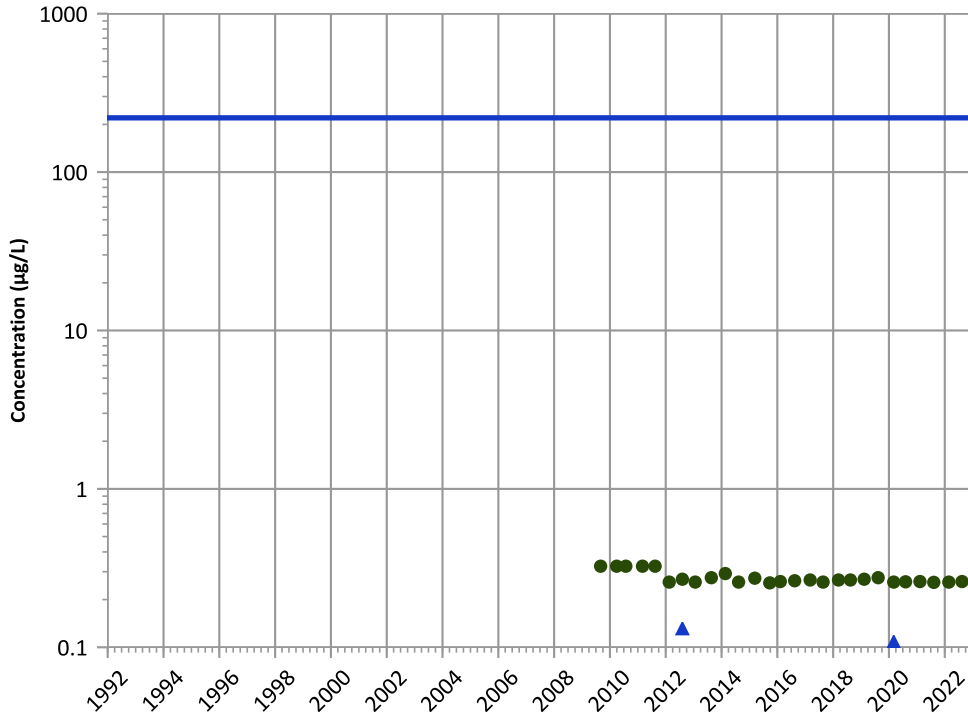
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

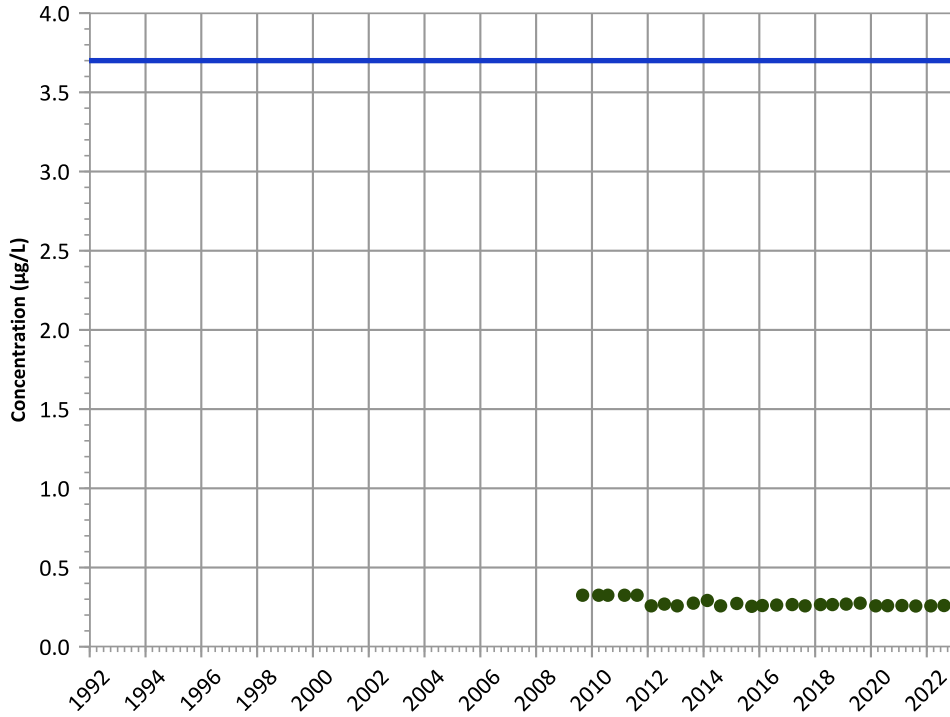


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

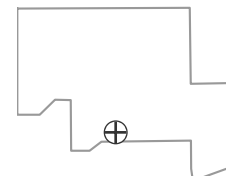
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

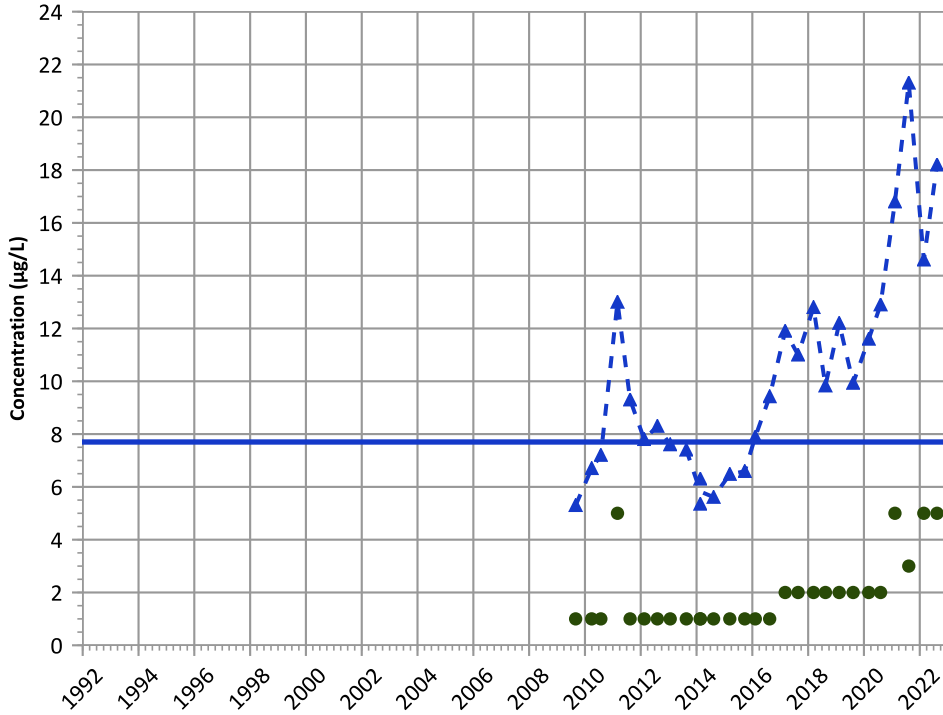
Well Location





PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

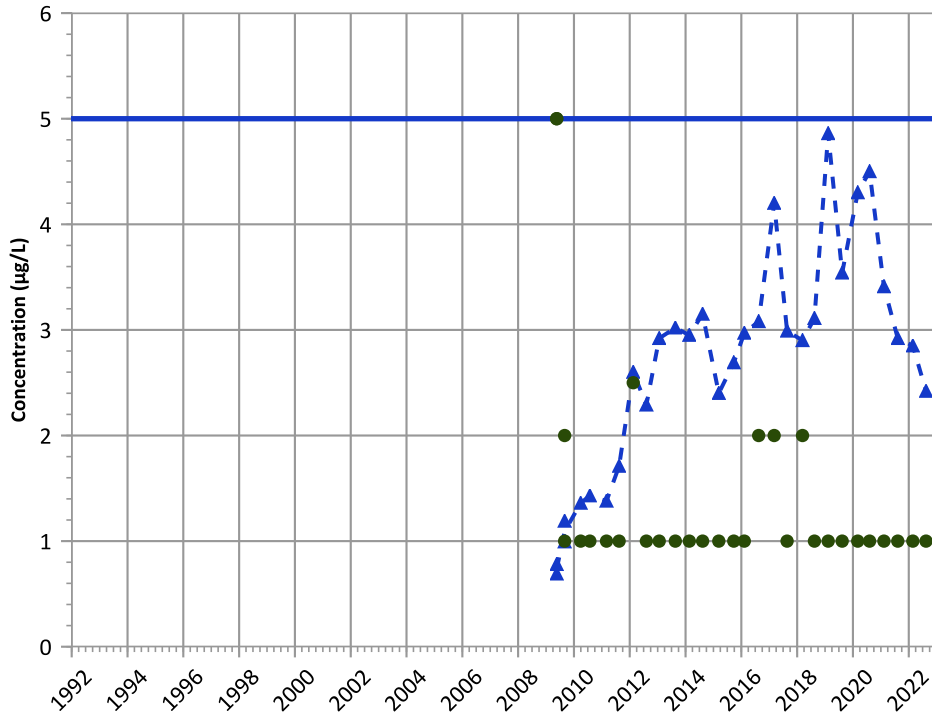
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

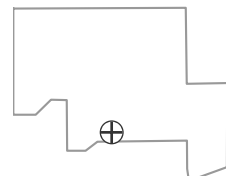
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

Well Location

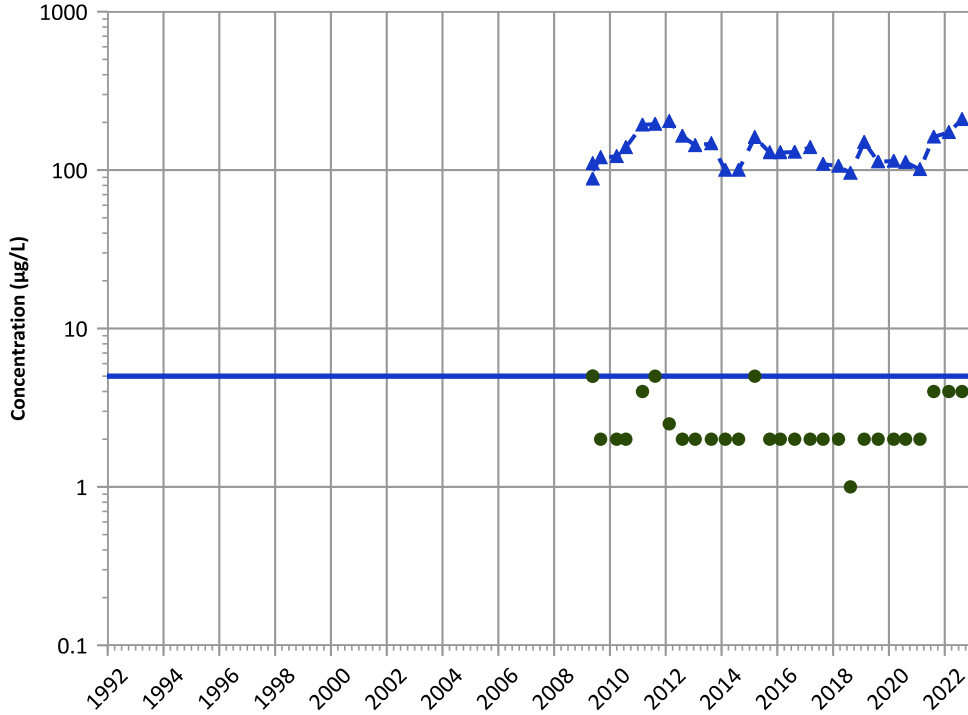


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

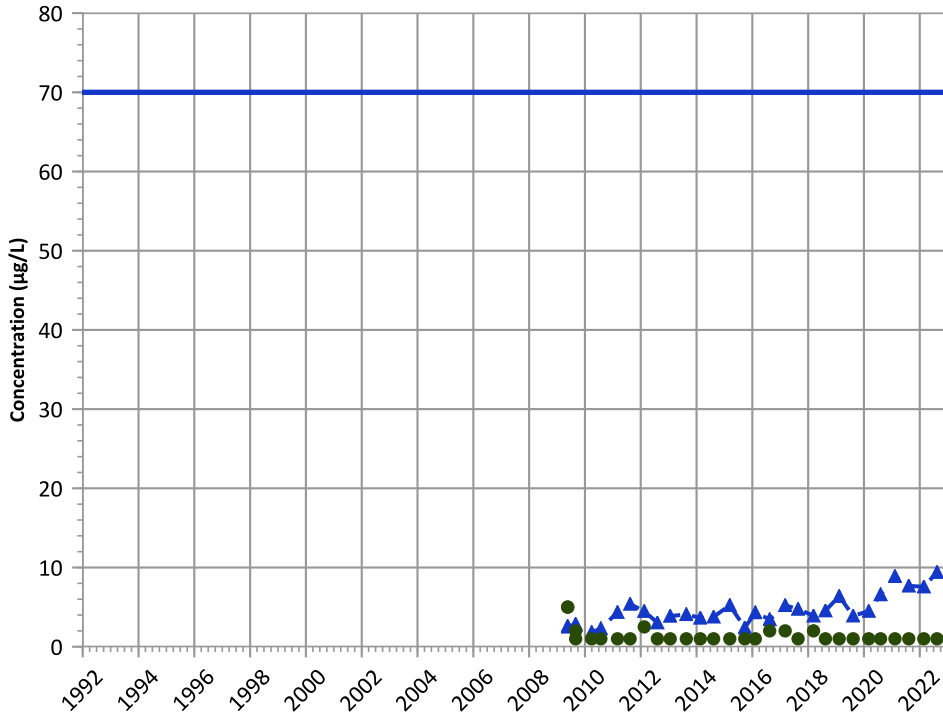


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

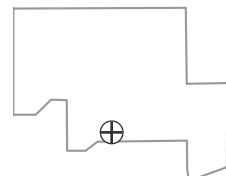
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

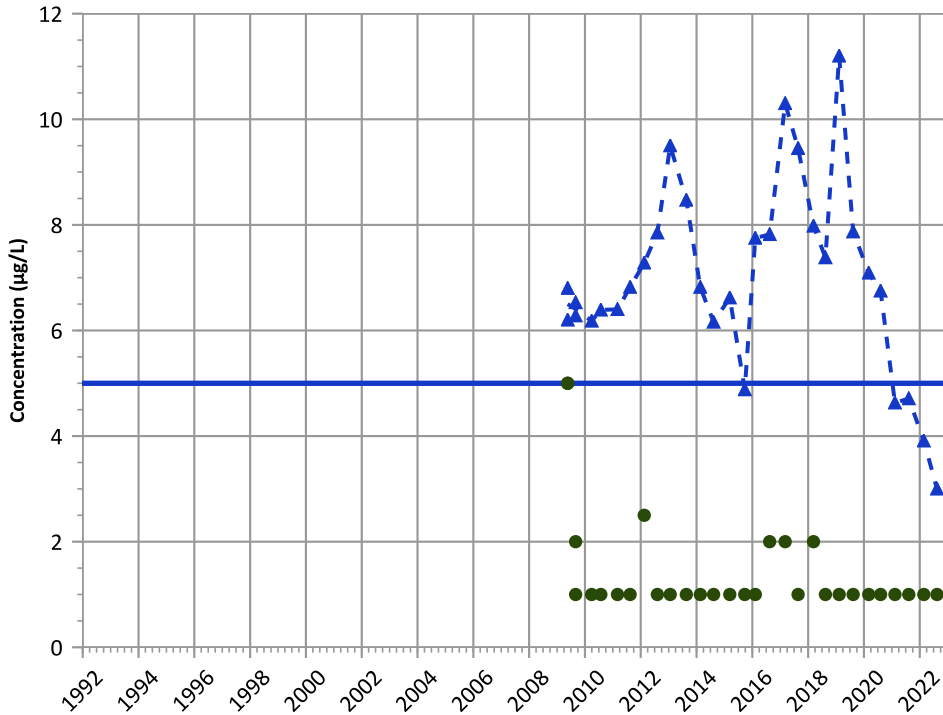
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

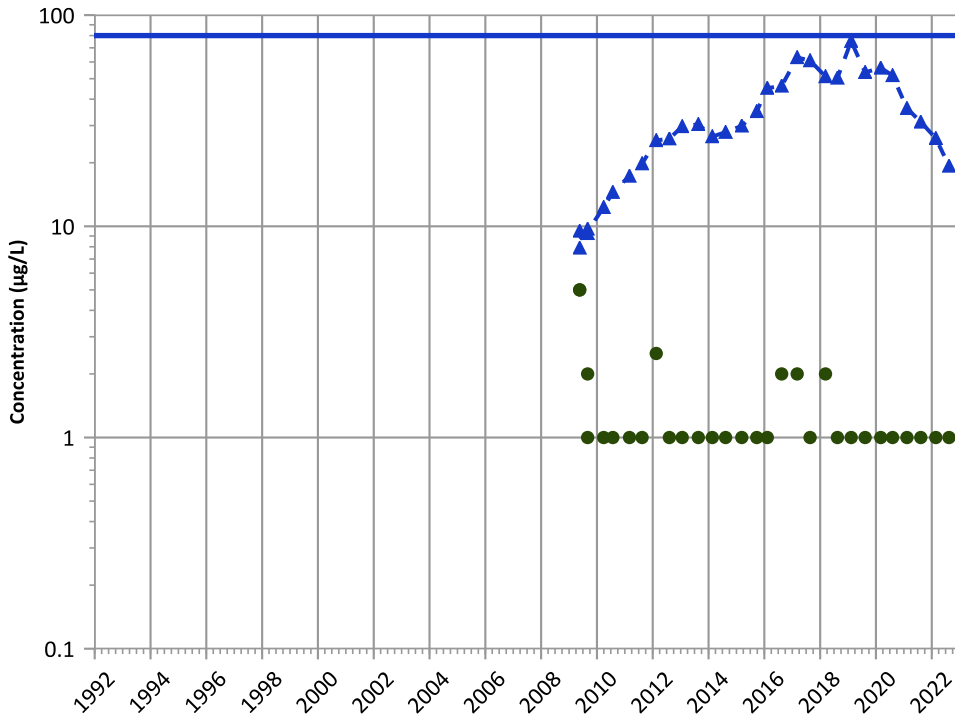


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

**Chloroform Trend**



**Concentration Trend**

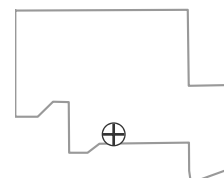
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

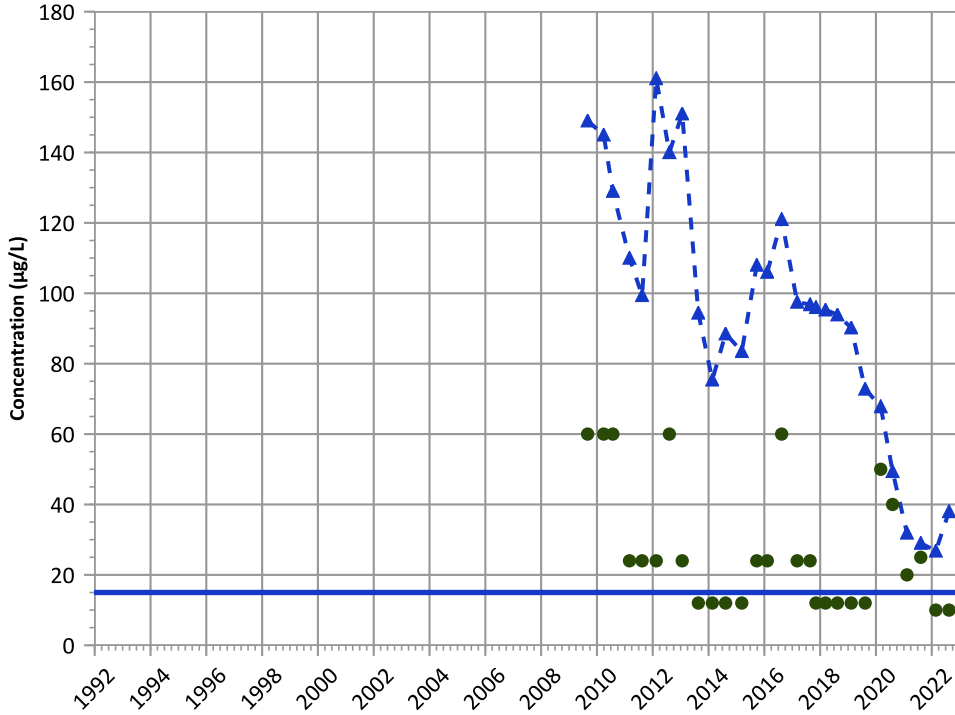
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

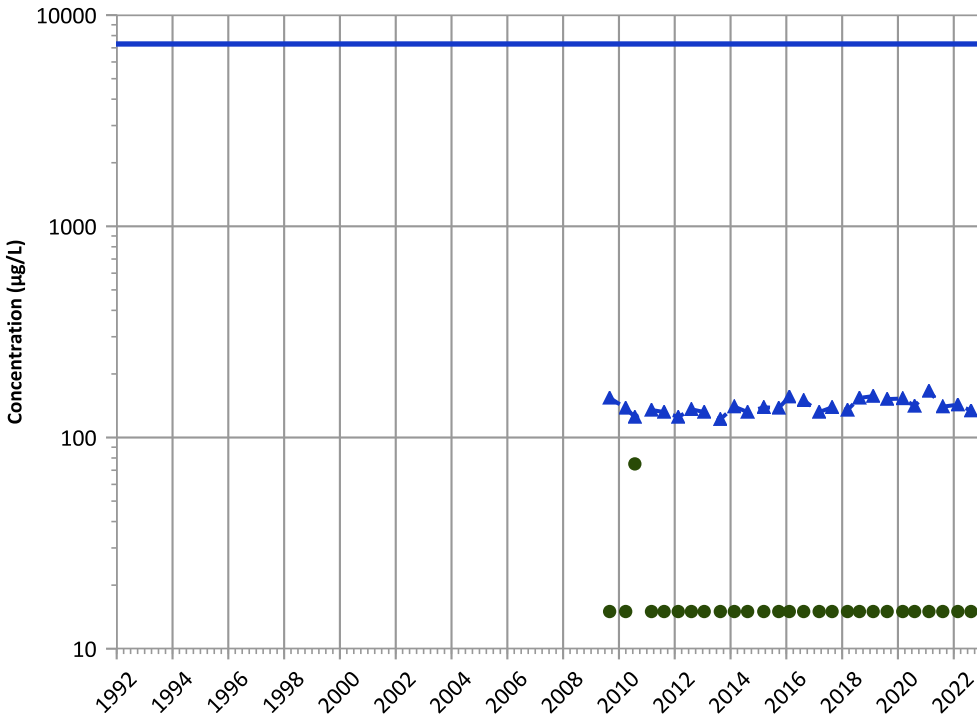


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

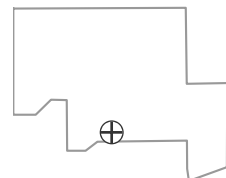
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

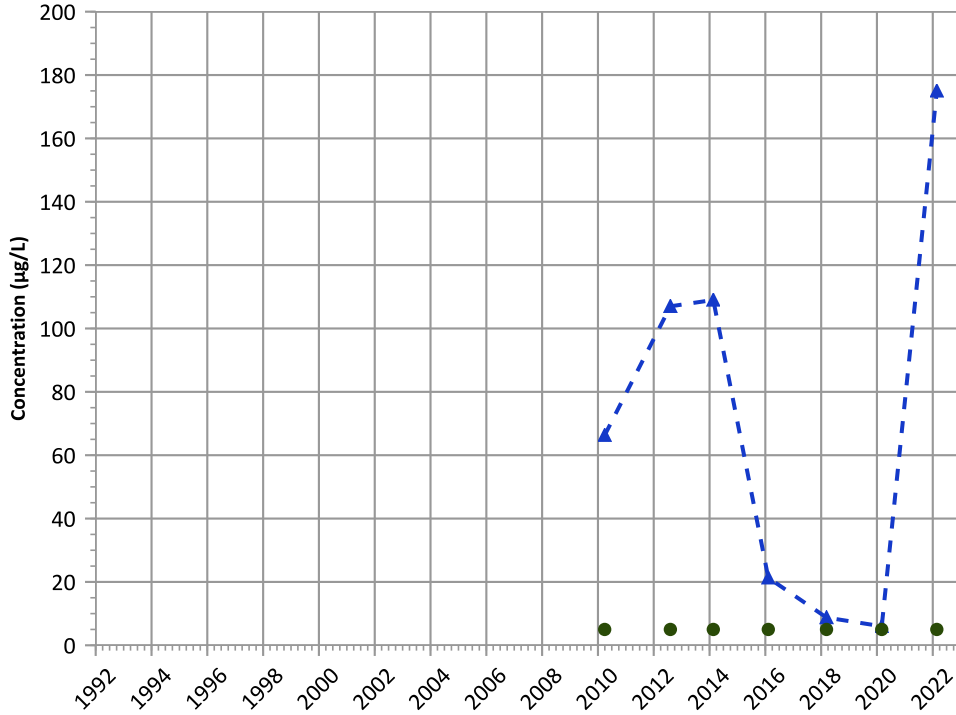
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

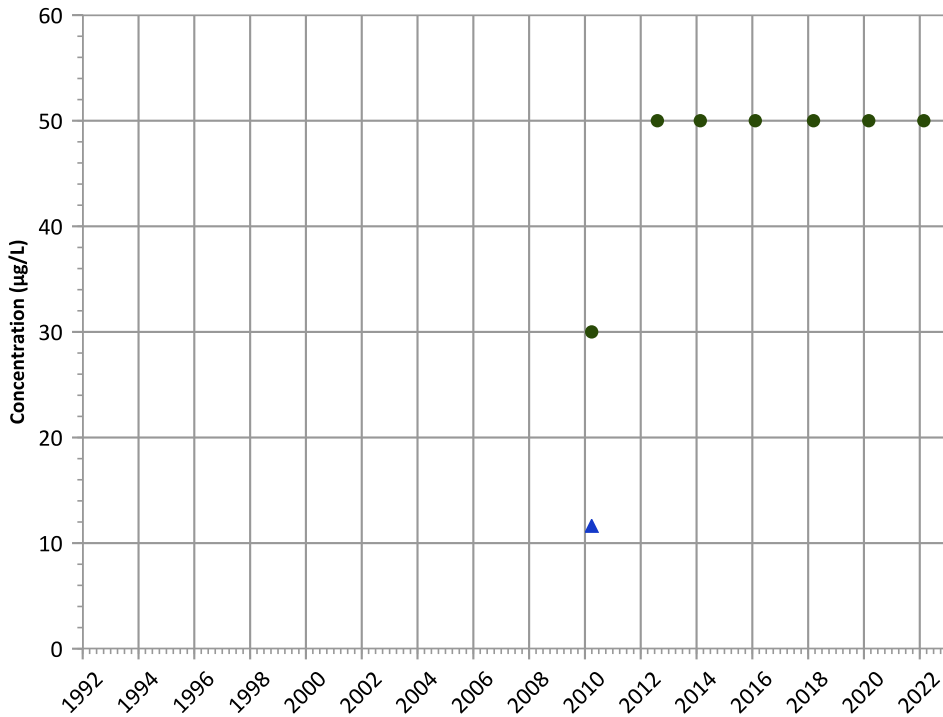


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Aluminum Trend



Concentration Trend

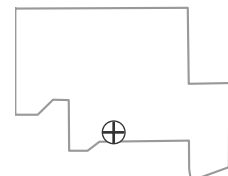
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

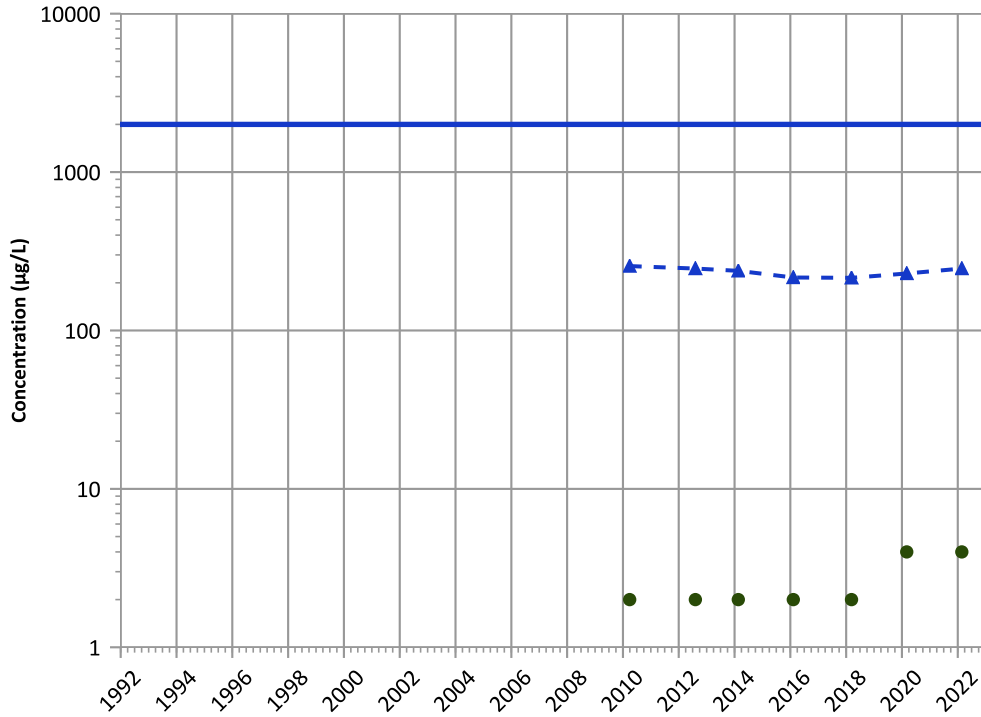
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

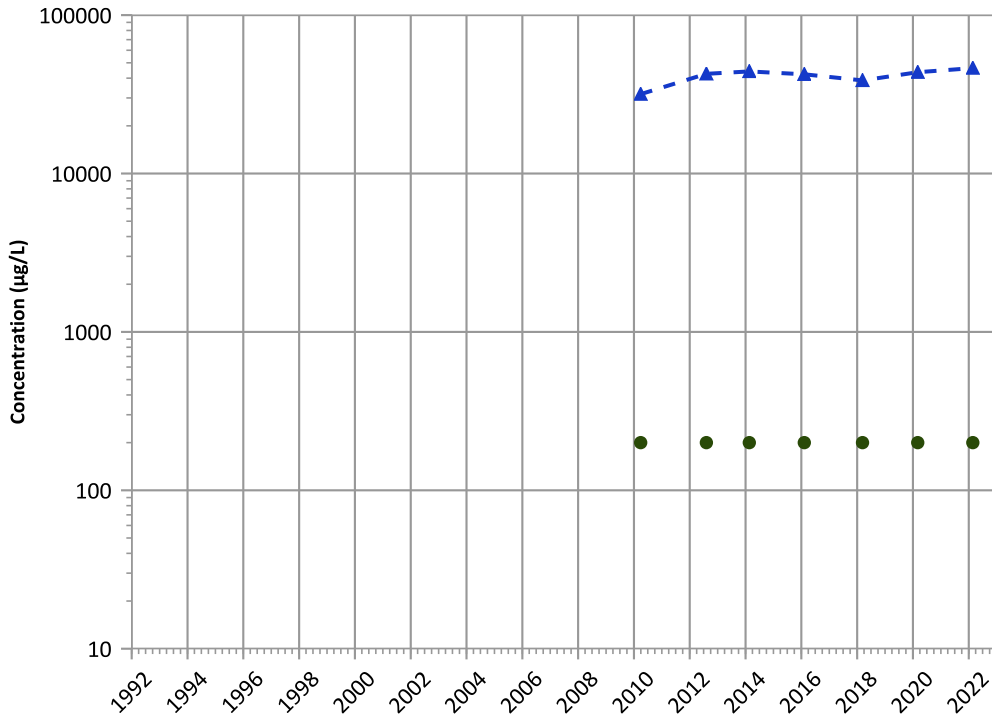


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

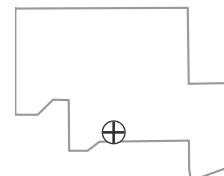
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

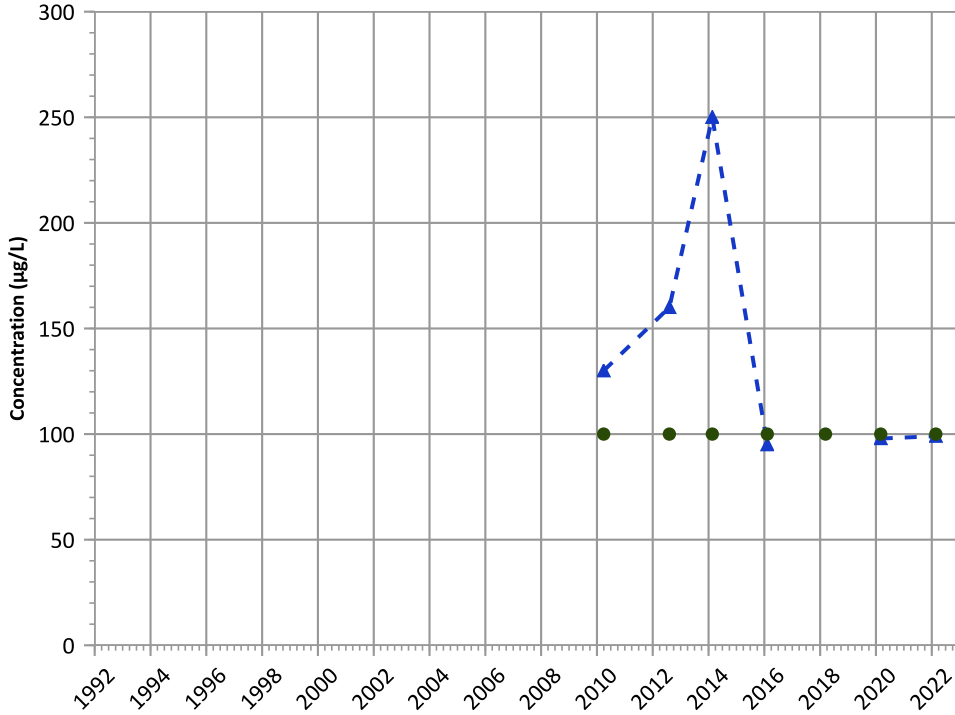
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

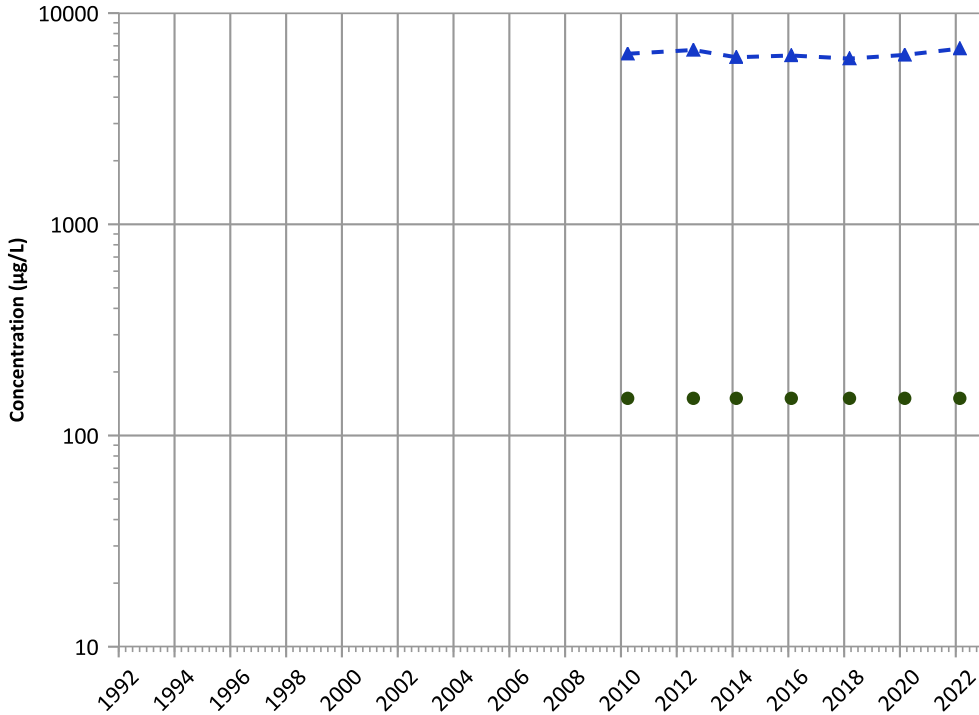


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

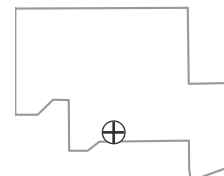
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

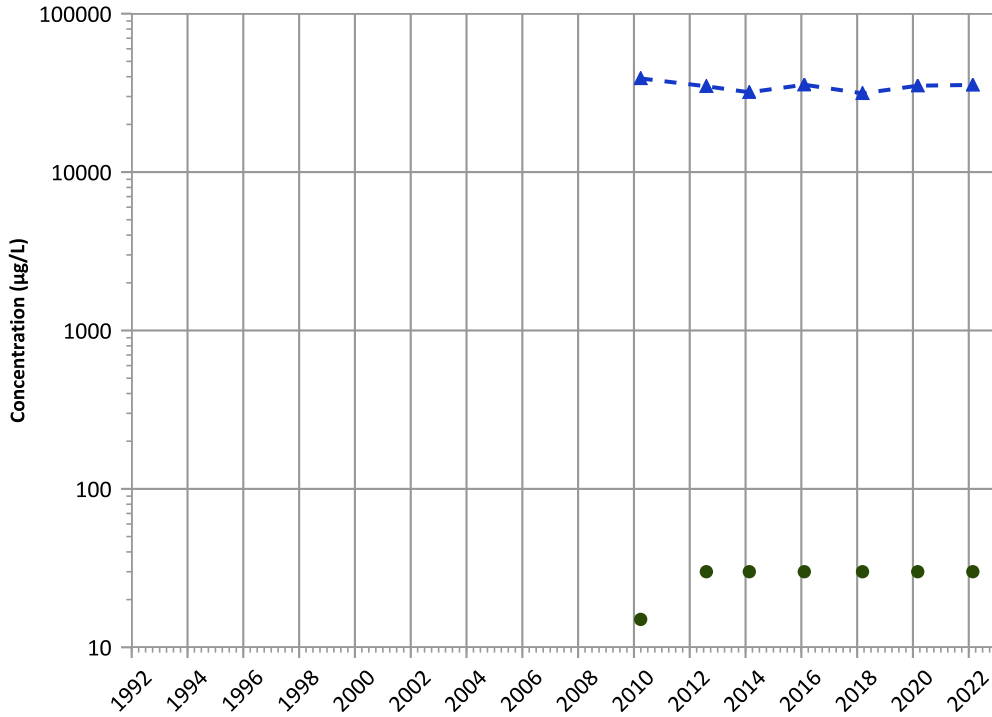
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

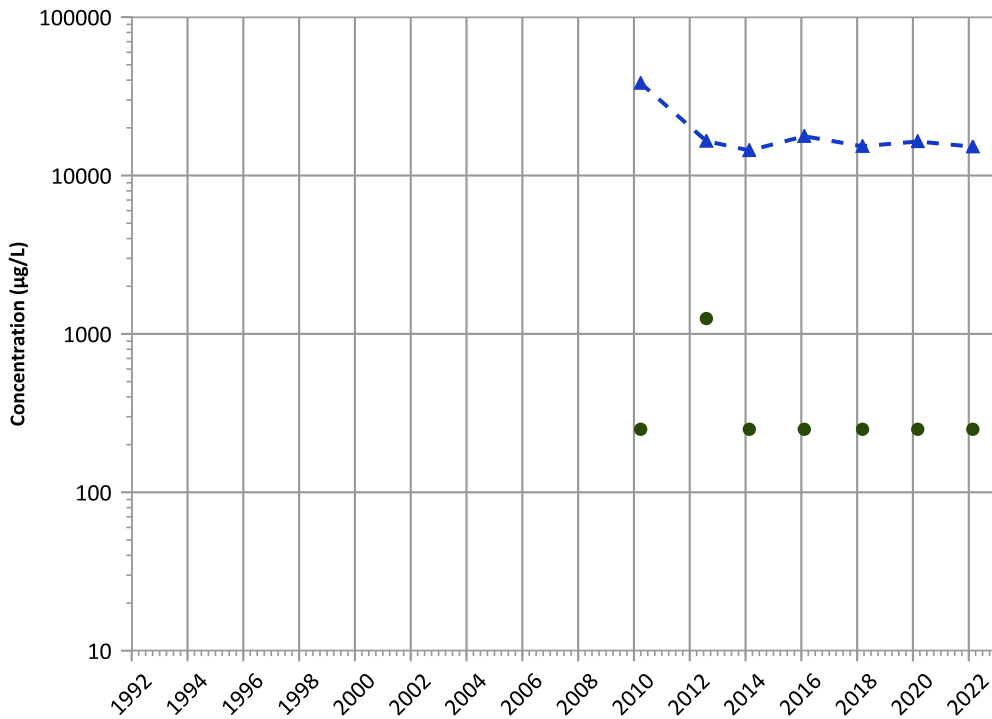


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Sodium Trend

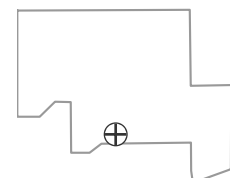


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Well Location

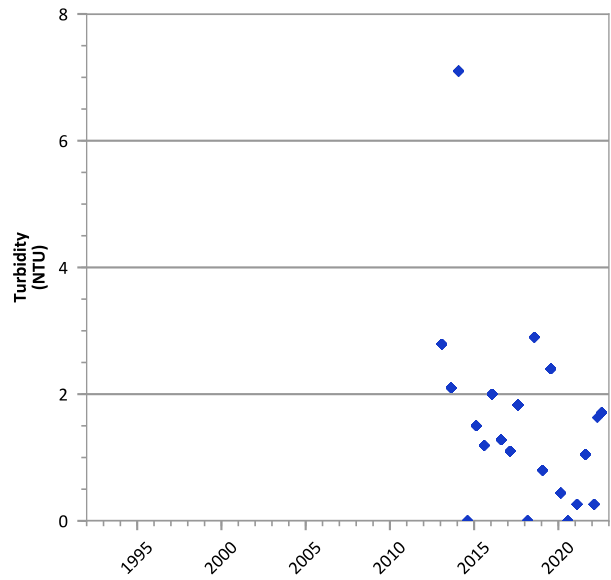
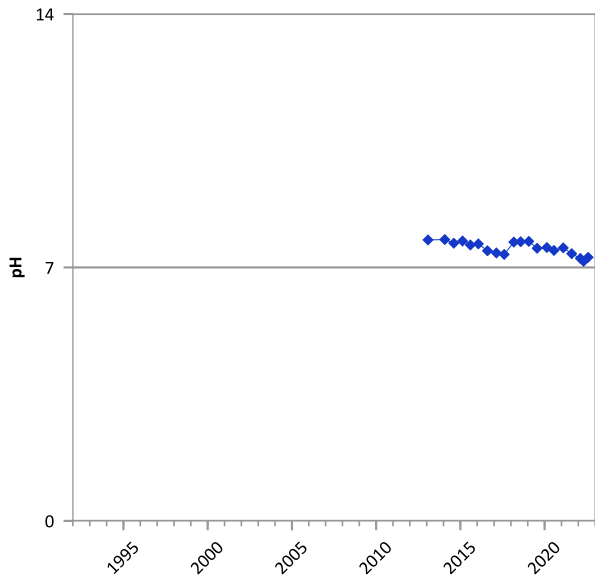
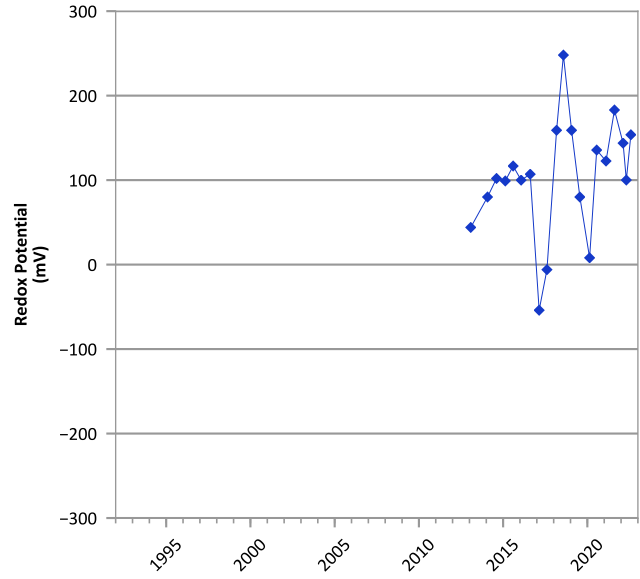
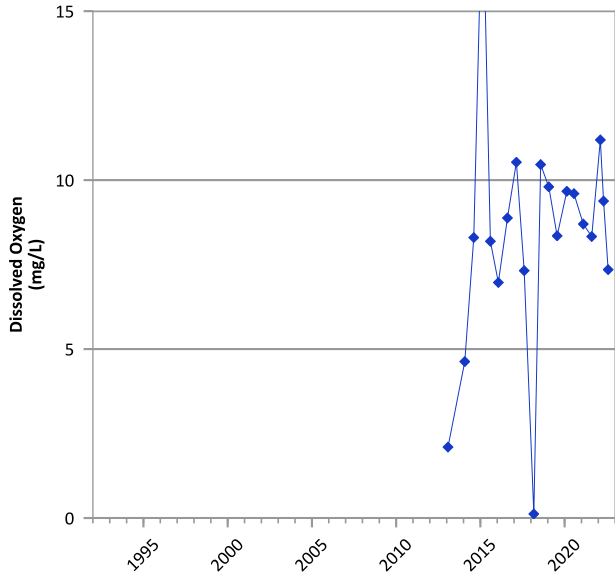


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/20/2009 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

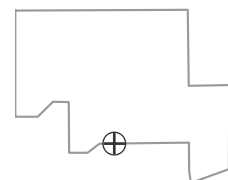


**PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



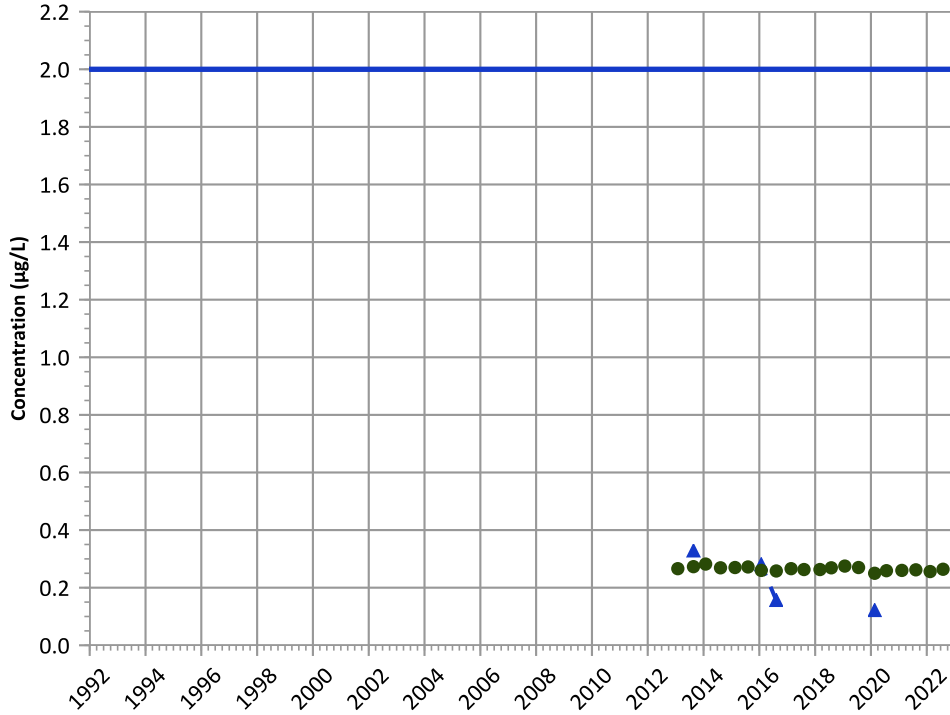
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/29/2013 to 08/02/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

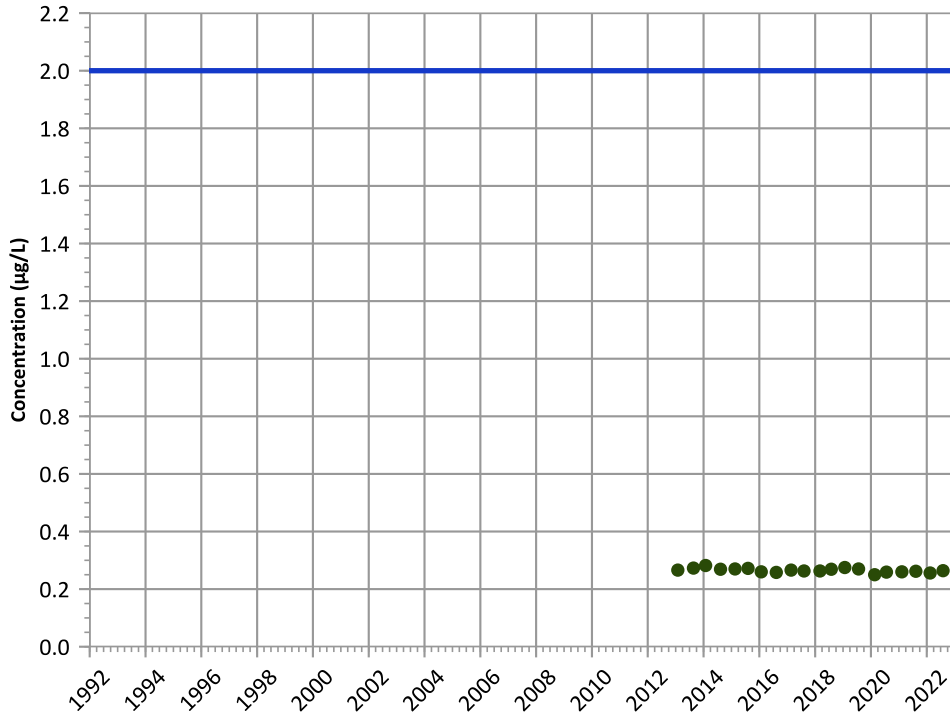


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

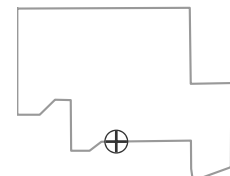
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

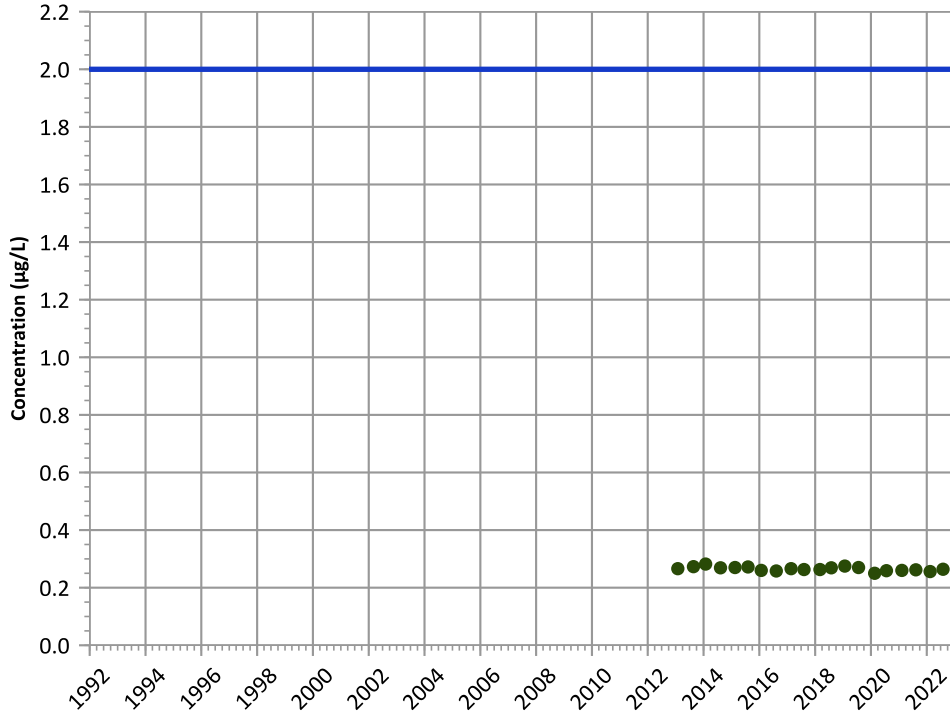
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

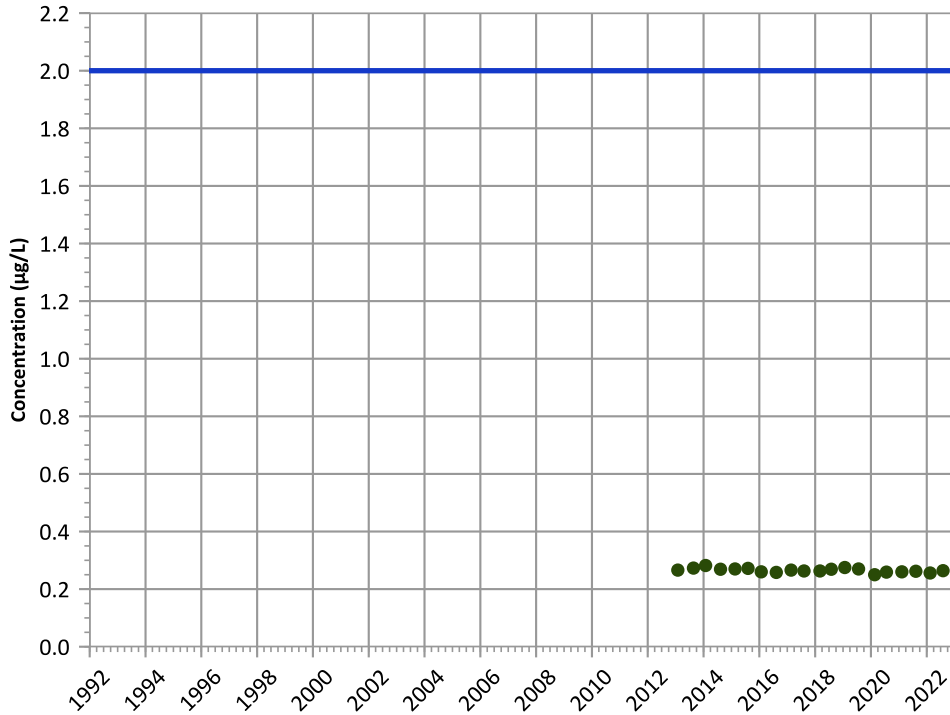


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

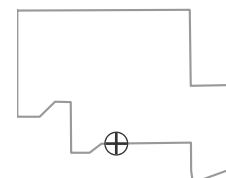


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

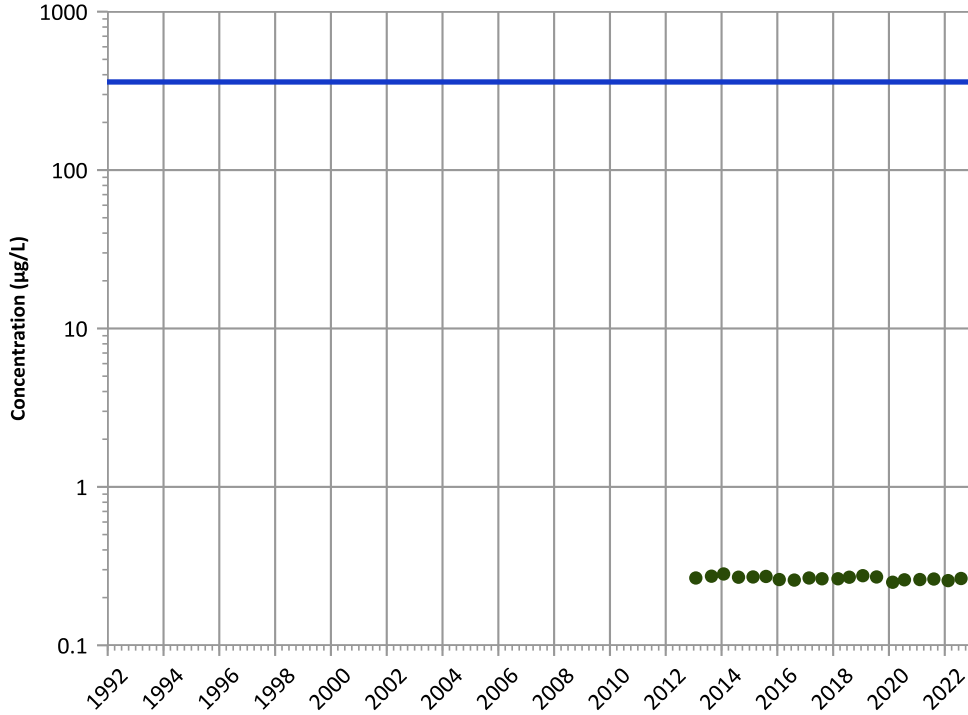


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

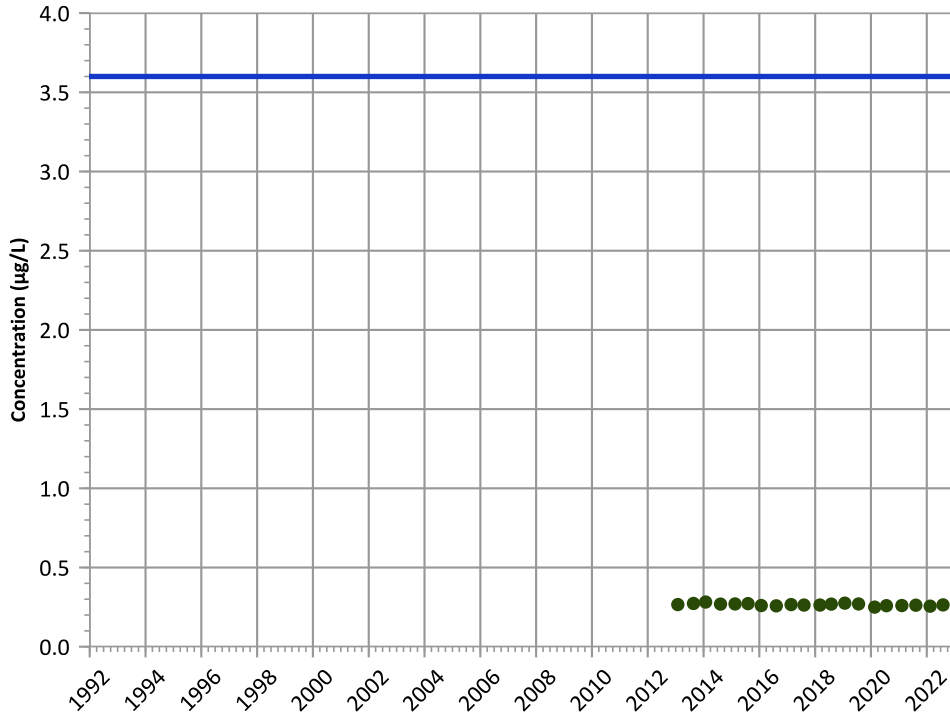
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

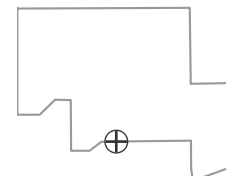
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 01/29/2013 to 08/02/2022

Analysis Date: 04/27/2023

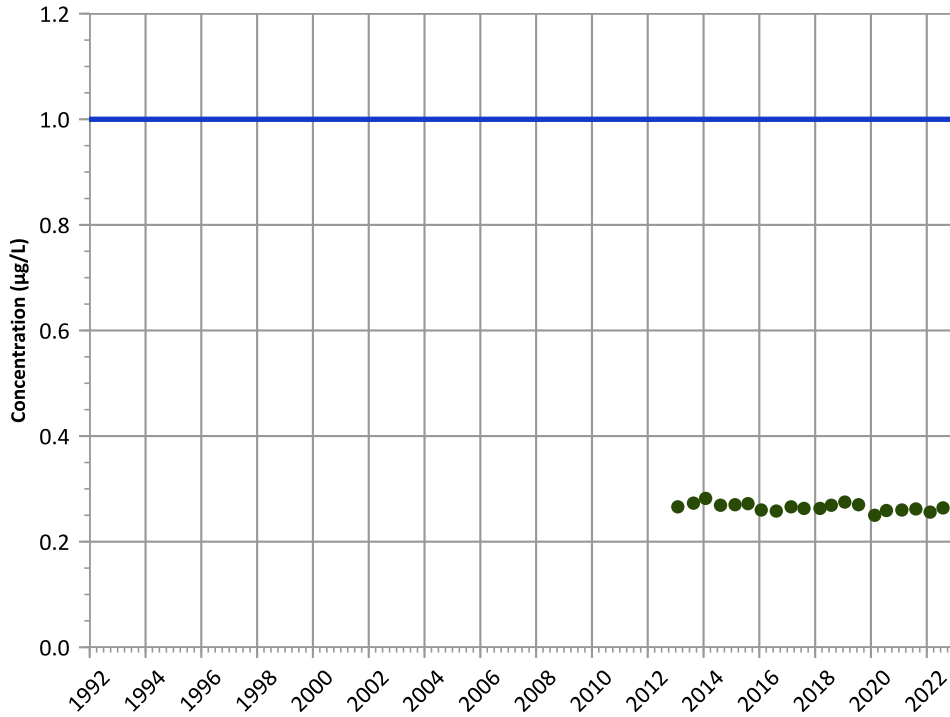
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

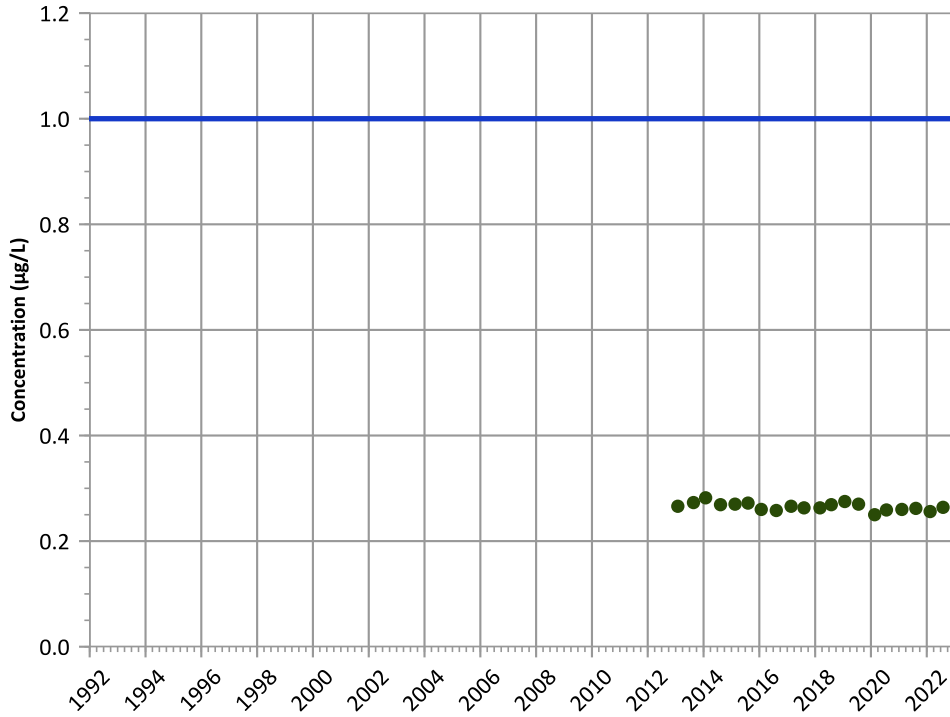
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

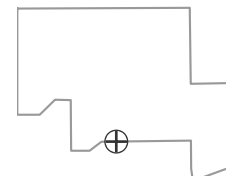
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

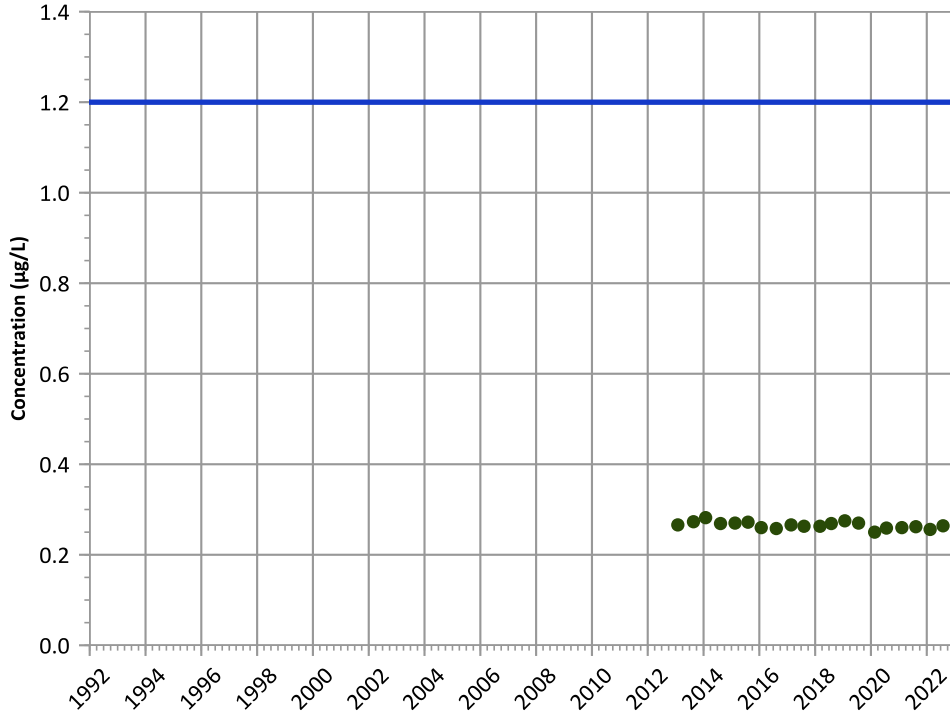
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

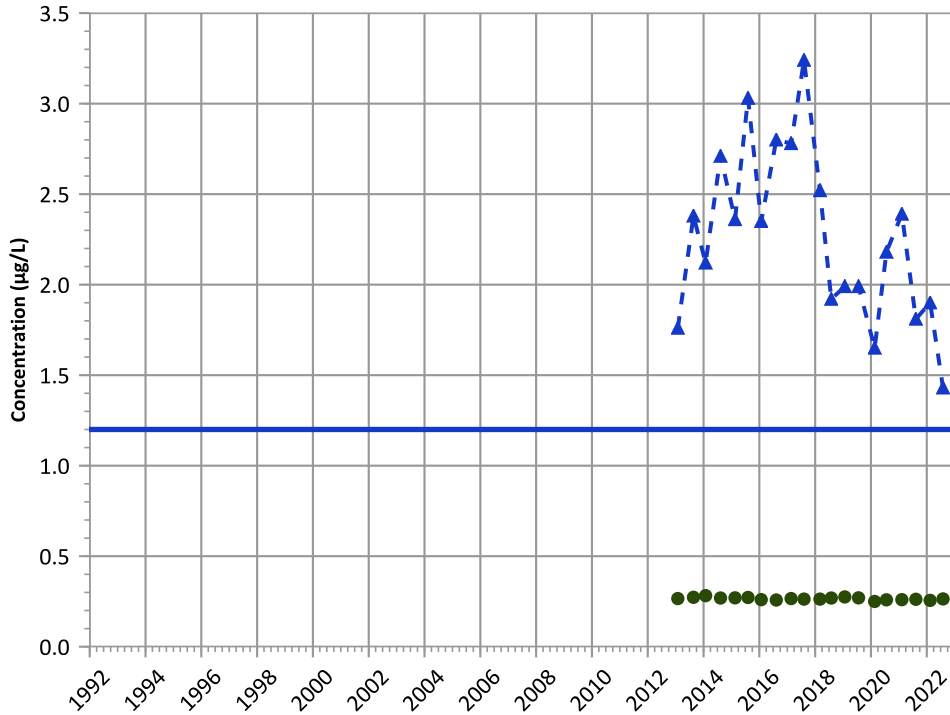
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

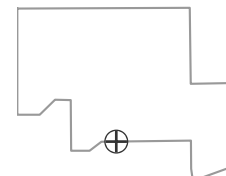
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

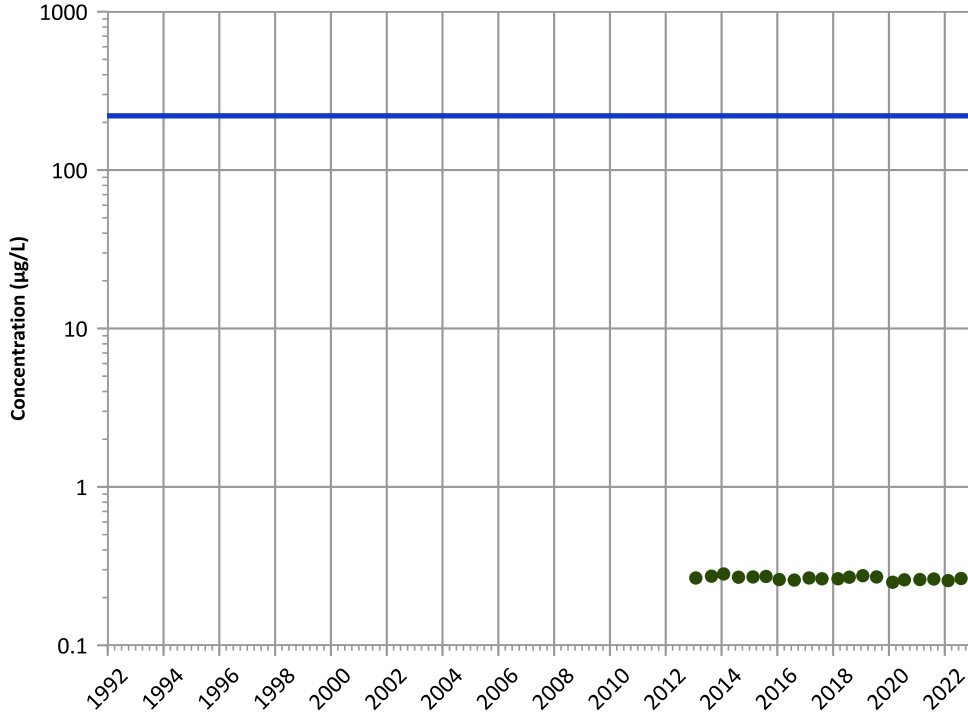
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

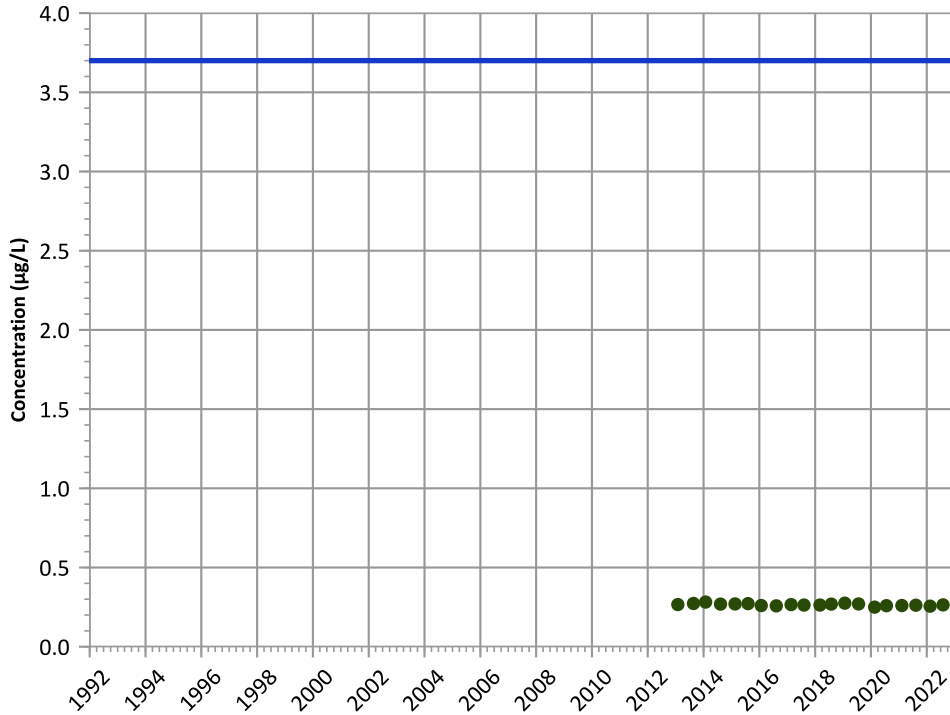
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

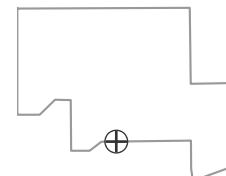
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

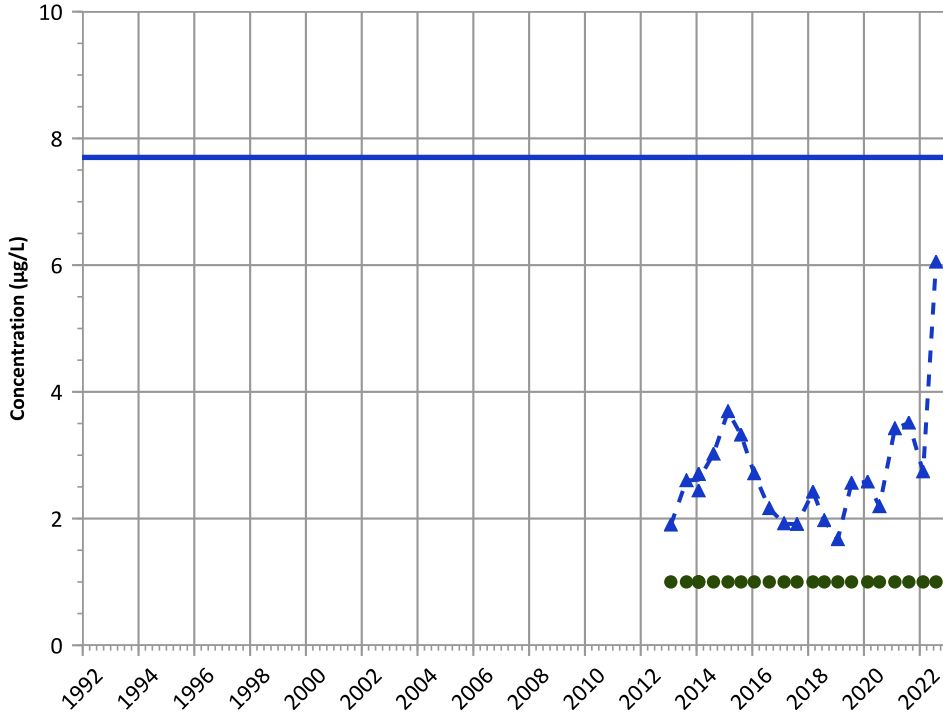
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

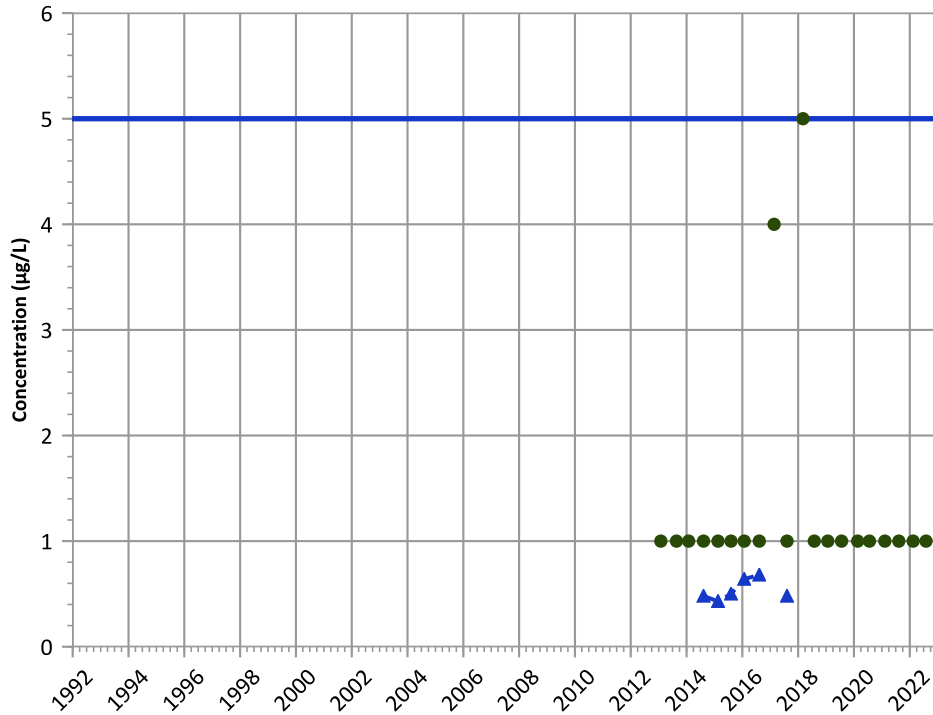


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend

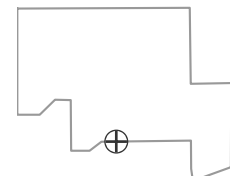


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location



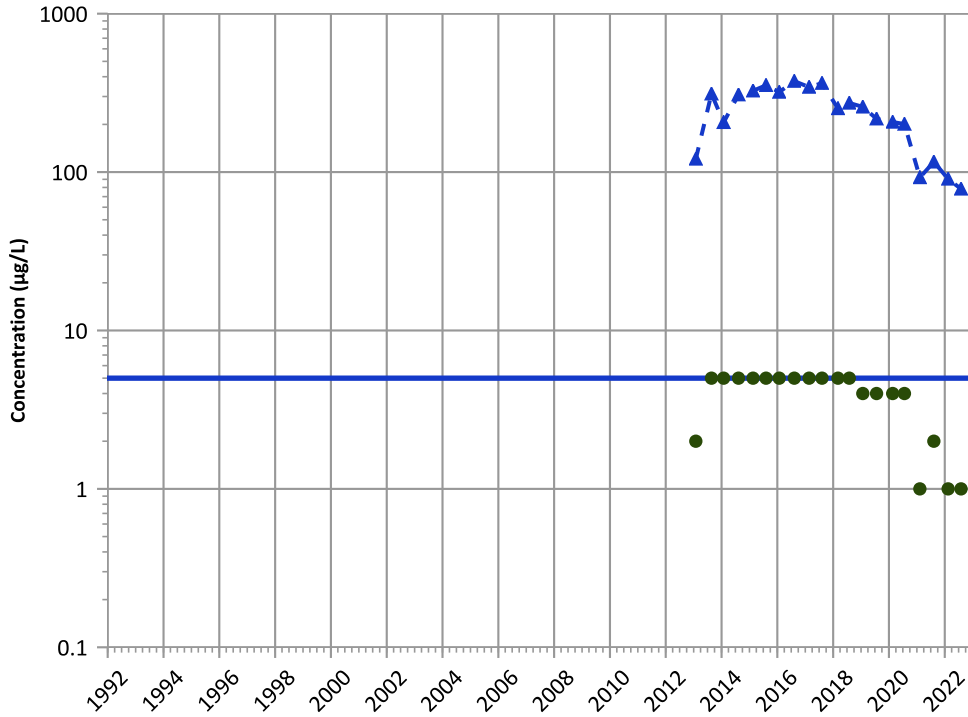
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

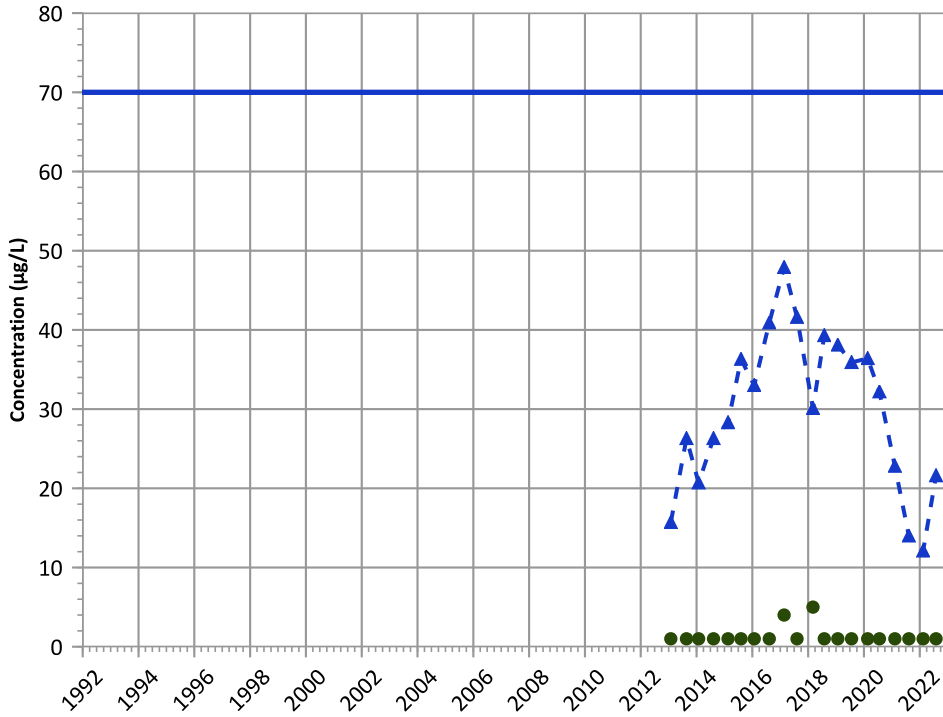


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

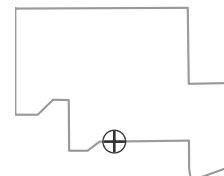
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

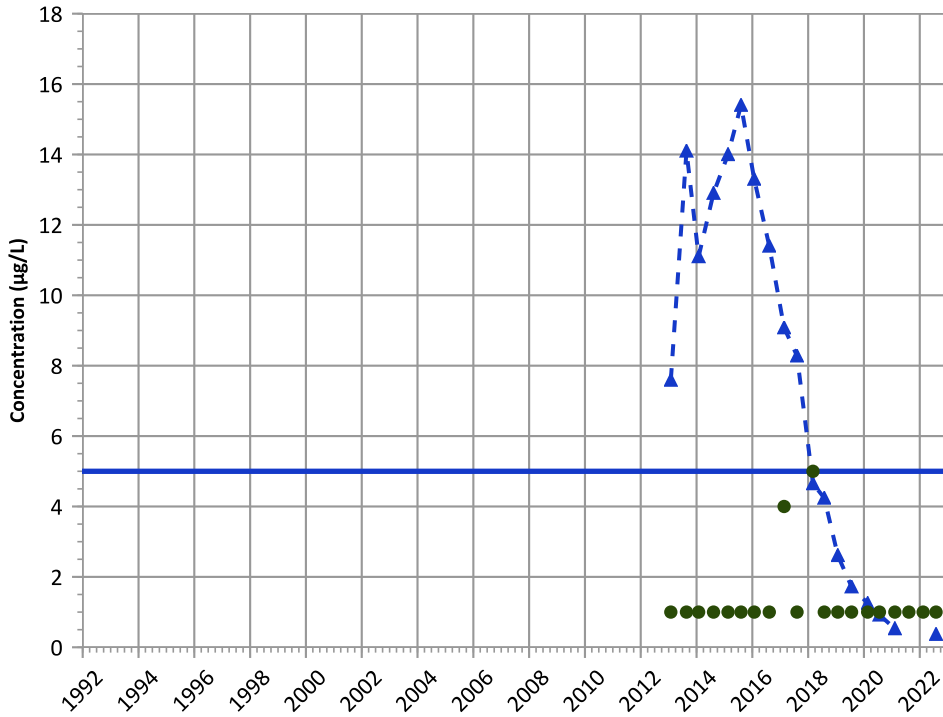
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

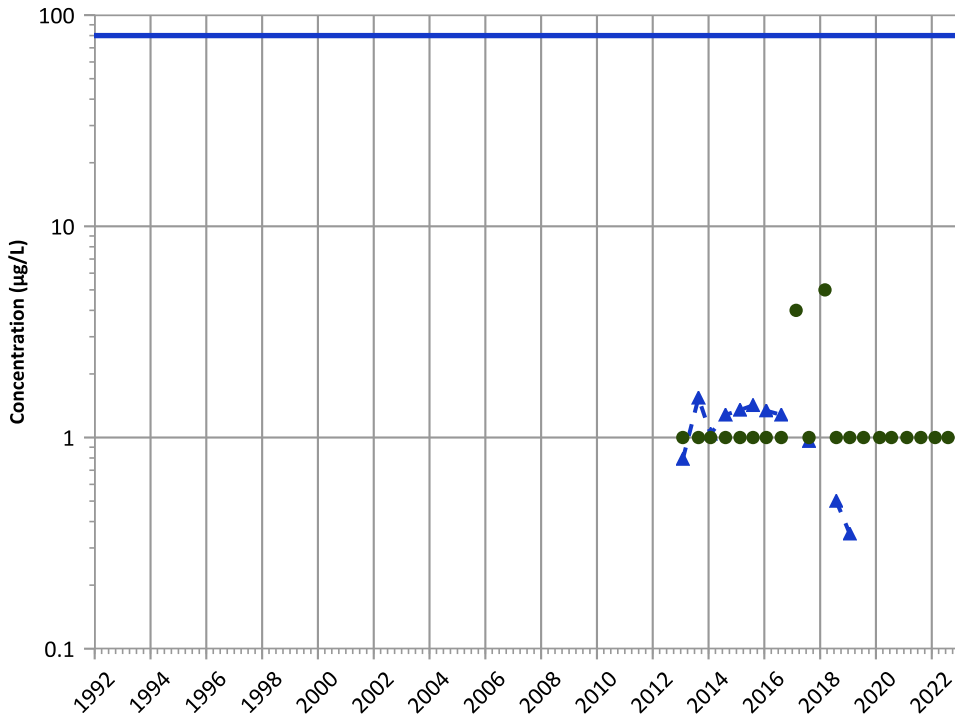


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Chloroform Trend**

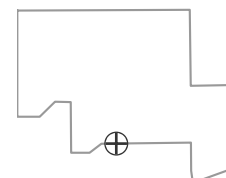


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Well Location**

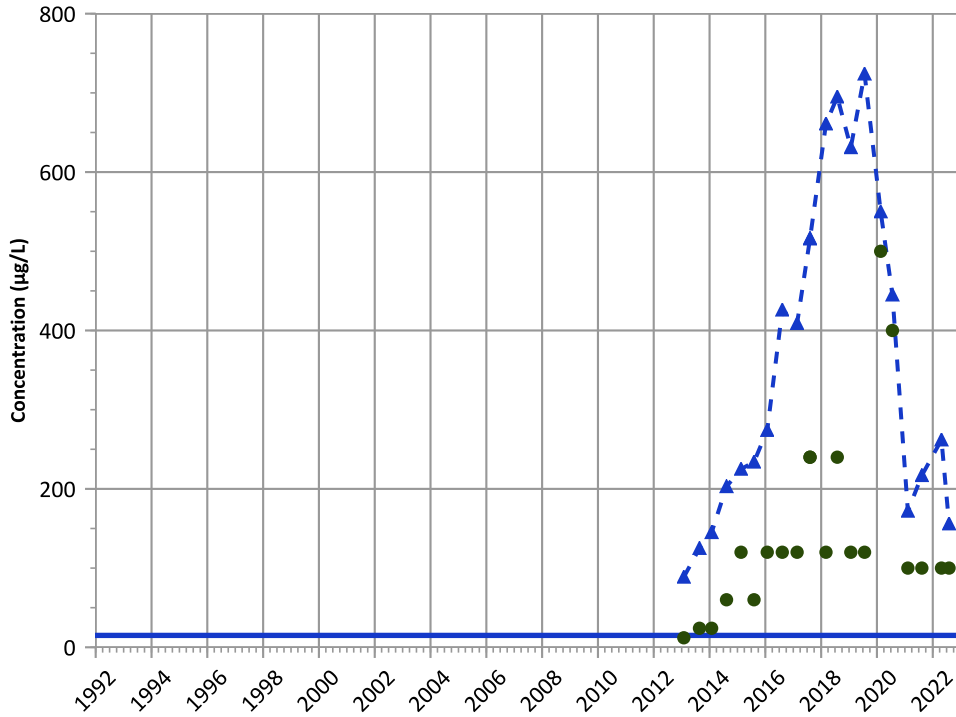


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

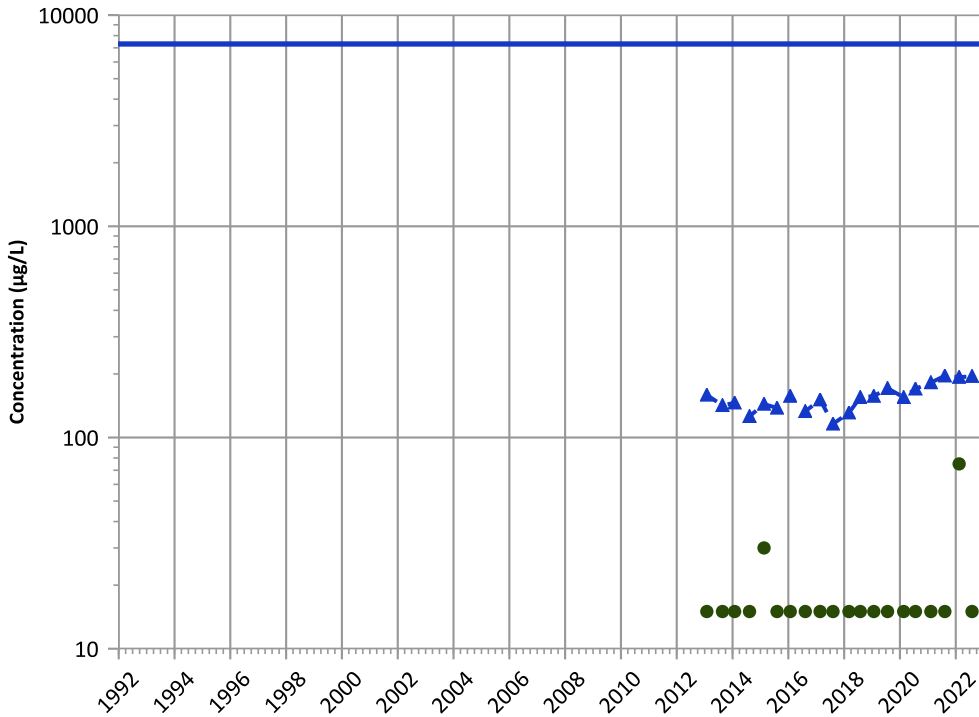


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

Boron Trend



Concentration Trend

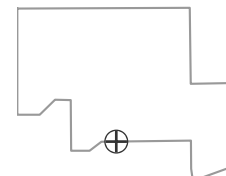
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

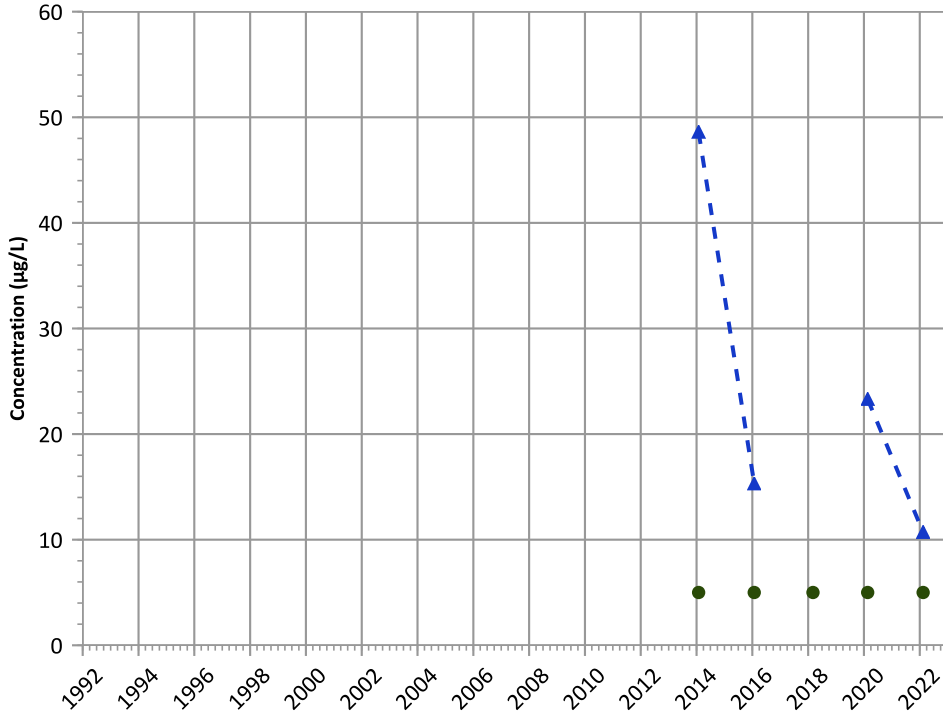
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

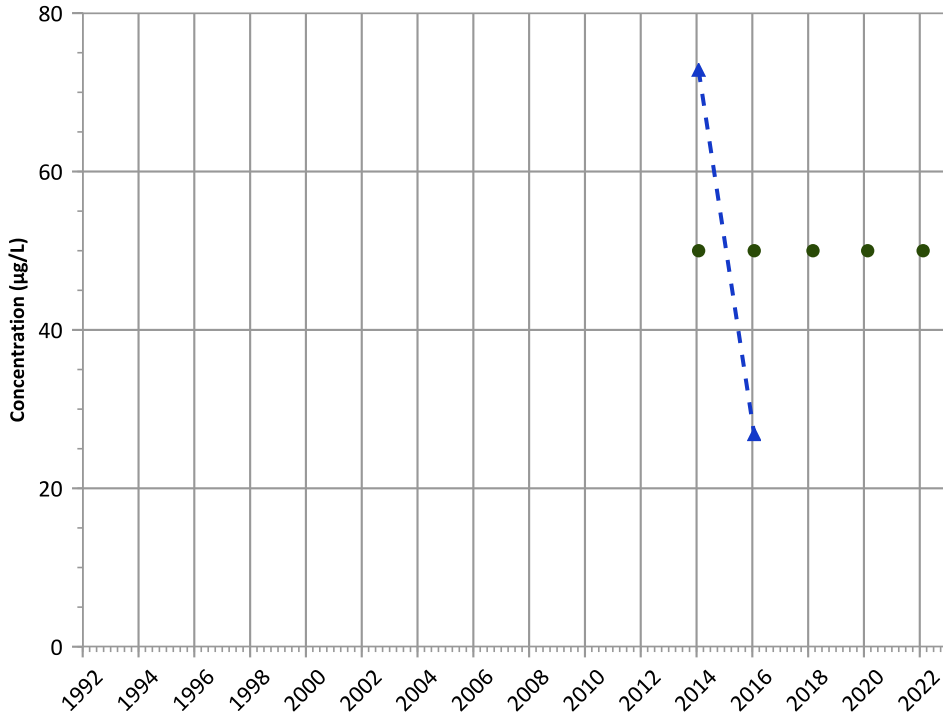


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Aluminum Trend

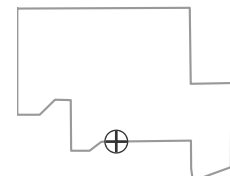


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

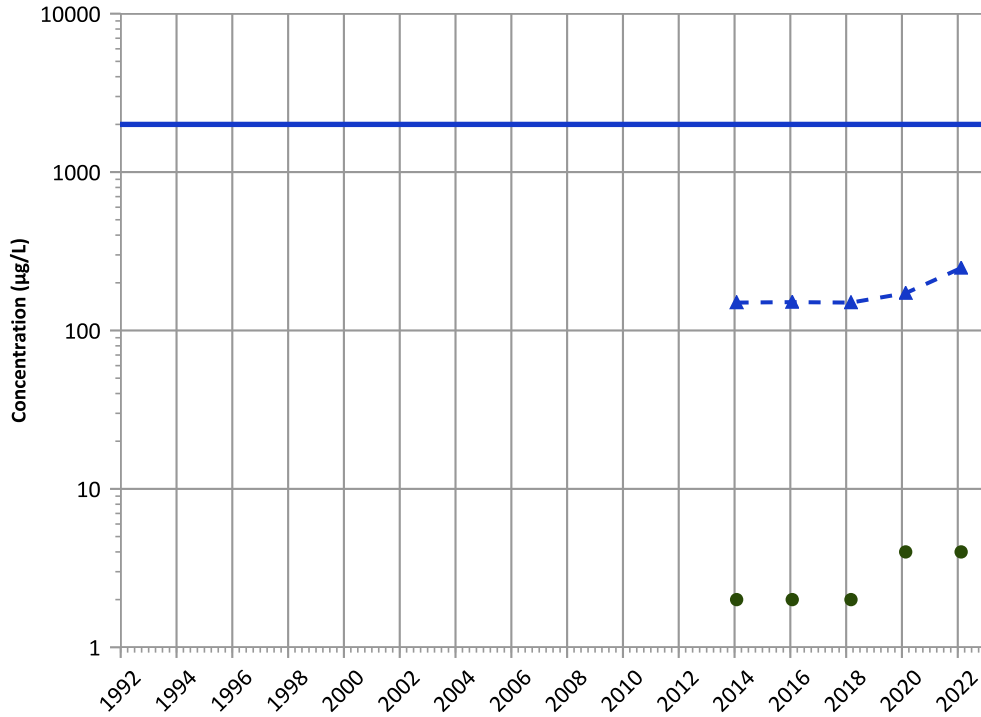


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

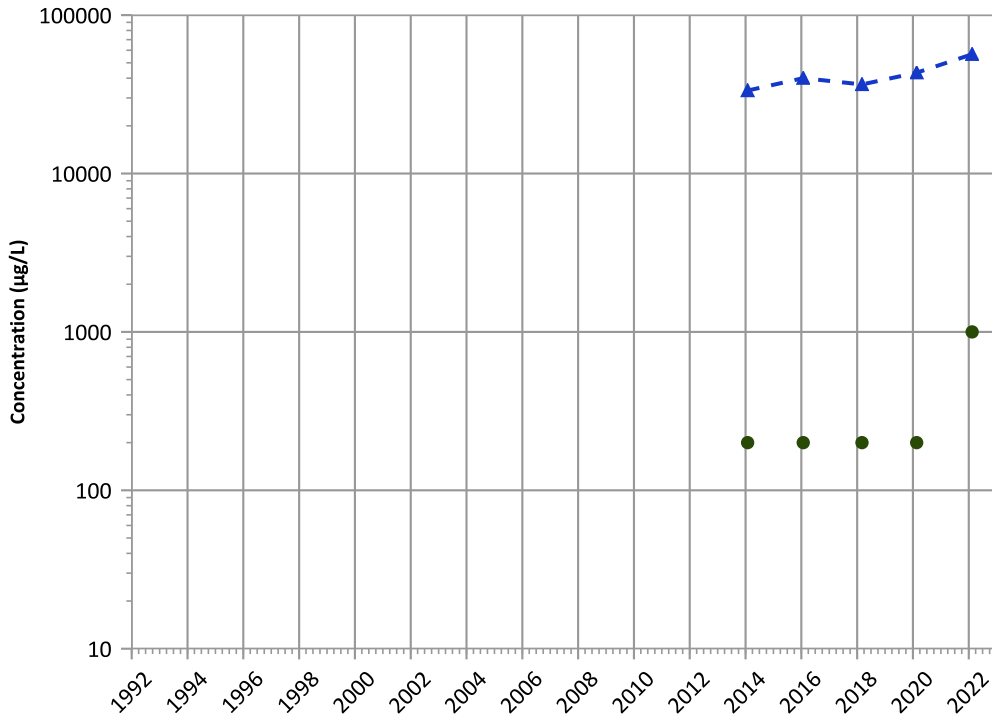


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Calcium Trend



Concentration Trend

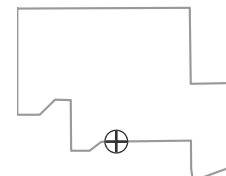
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

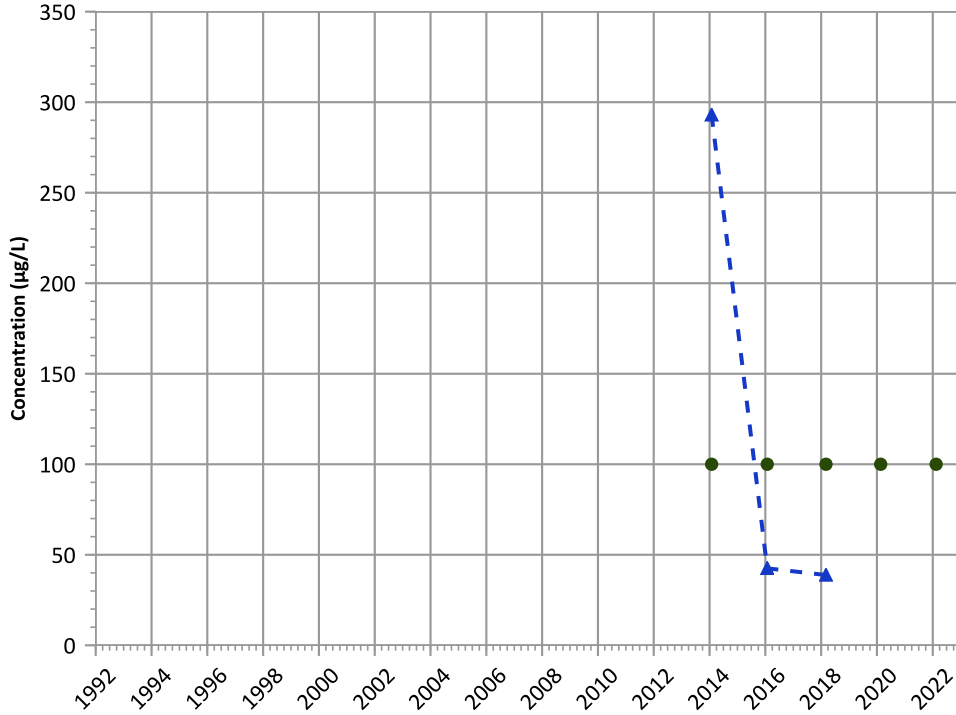
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

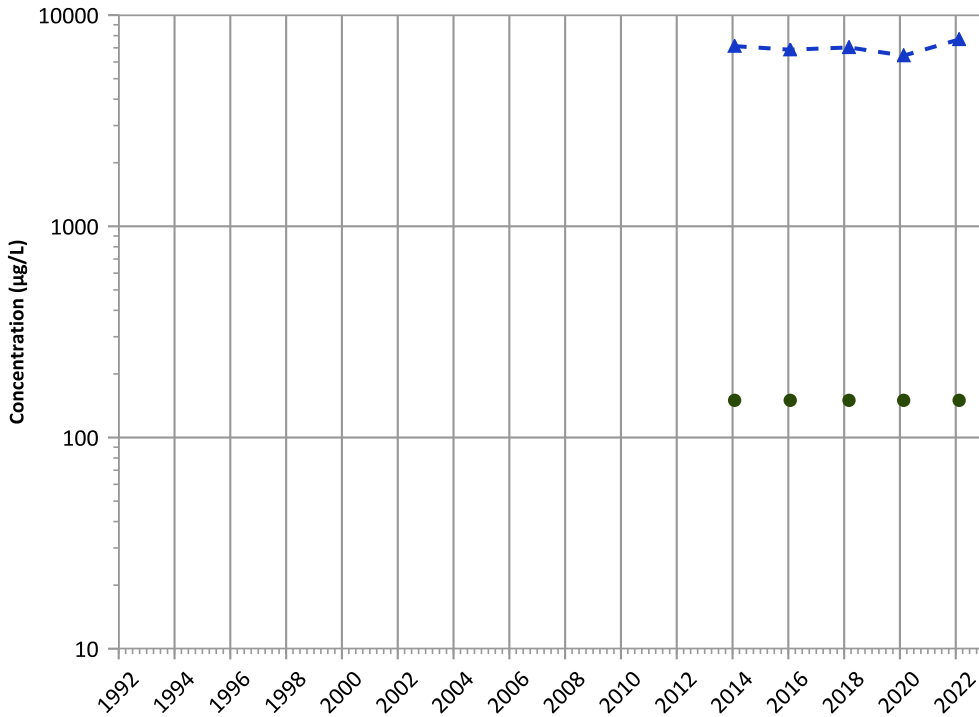


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

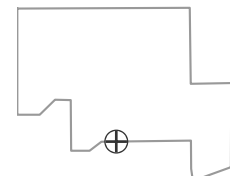


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

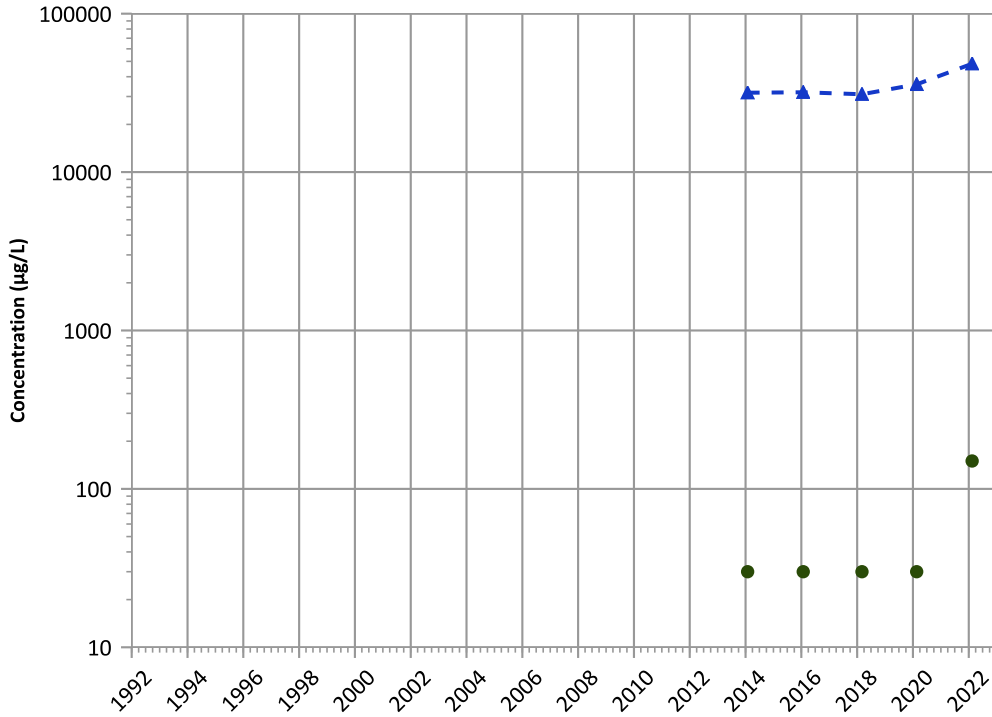


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

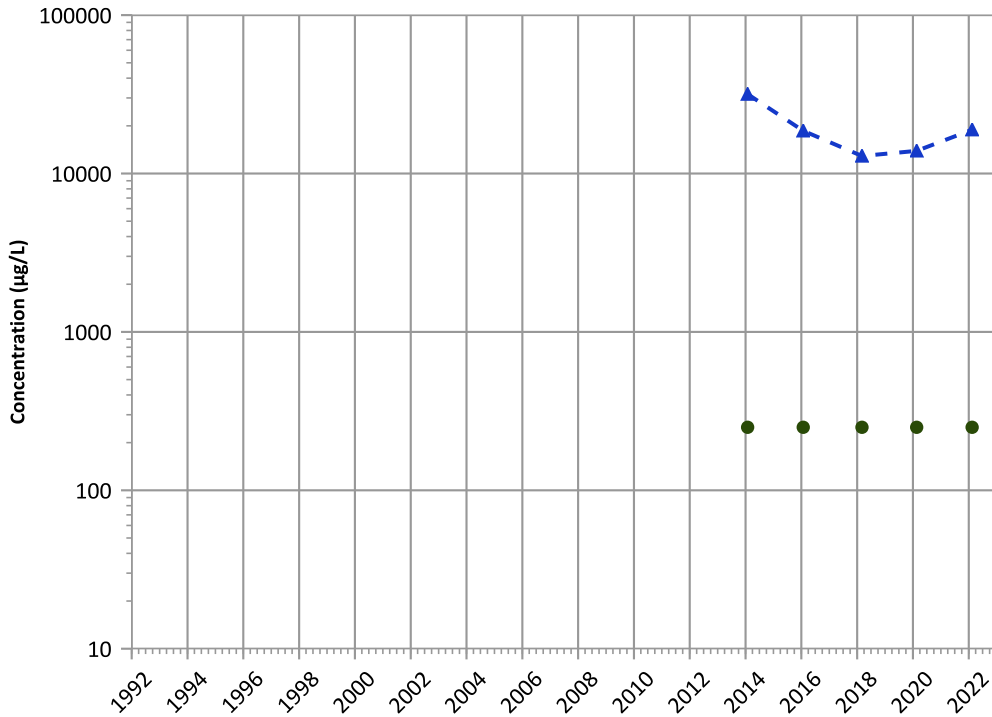


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Sodium Trend



Concentration Trend

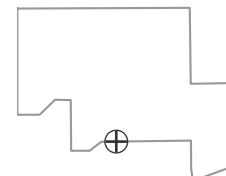
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

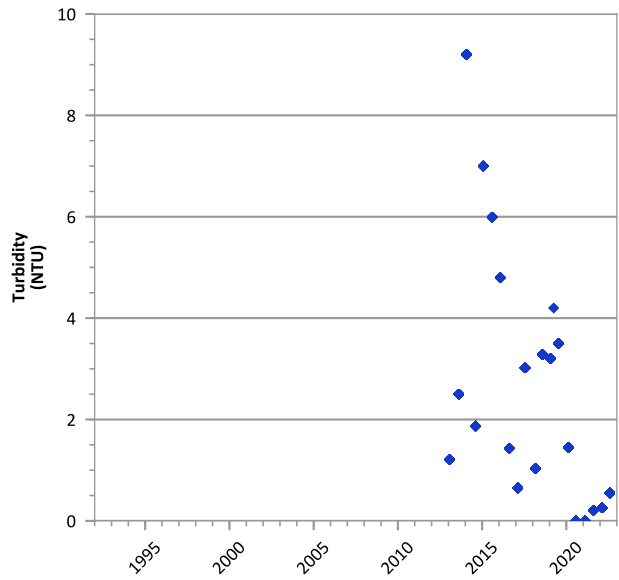
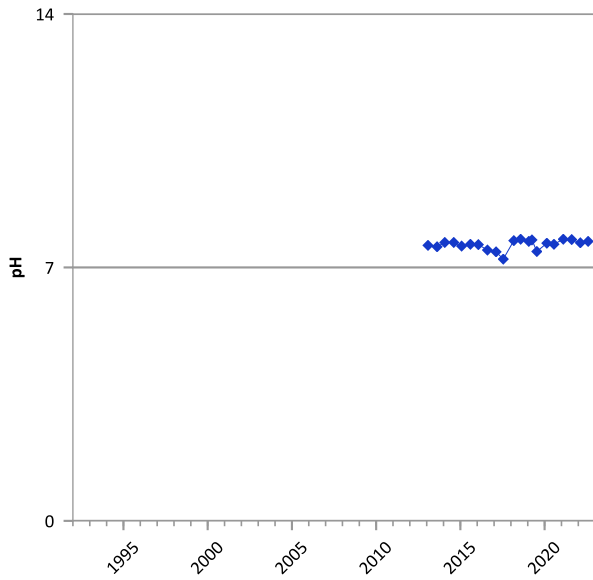
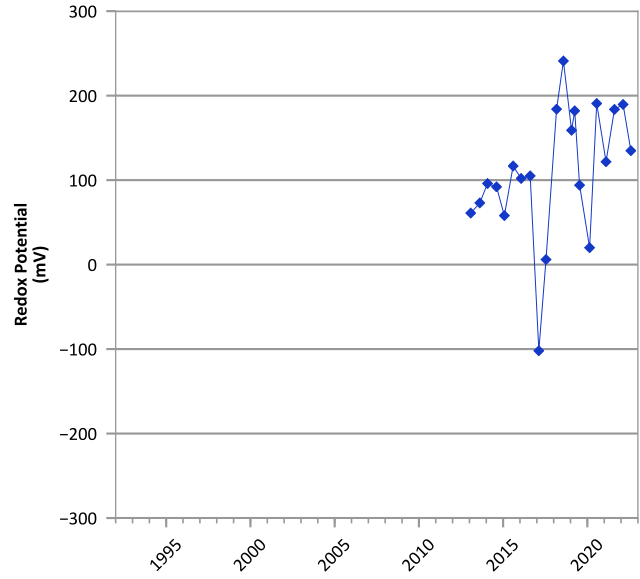
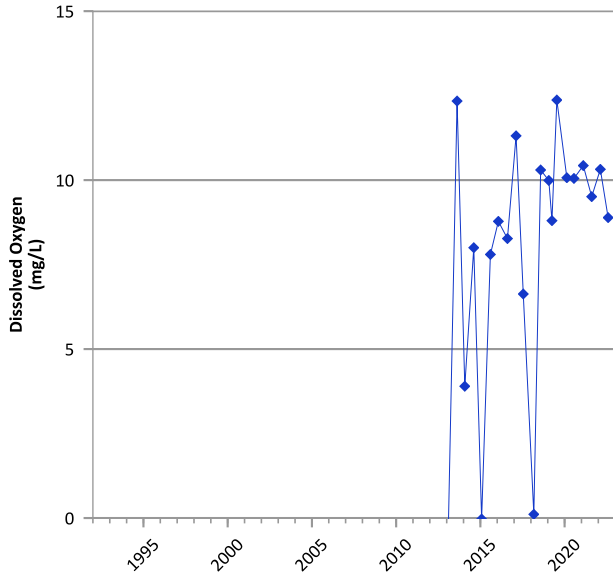
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

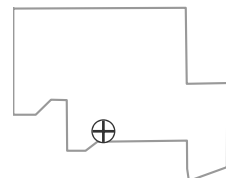


**PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/29/2013 to 08/02/2022  
 Analysis Date: 04/27/2023

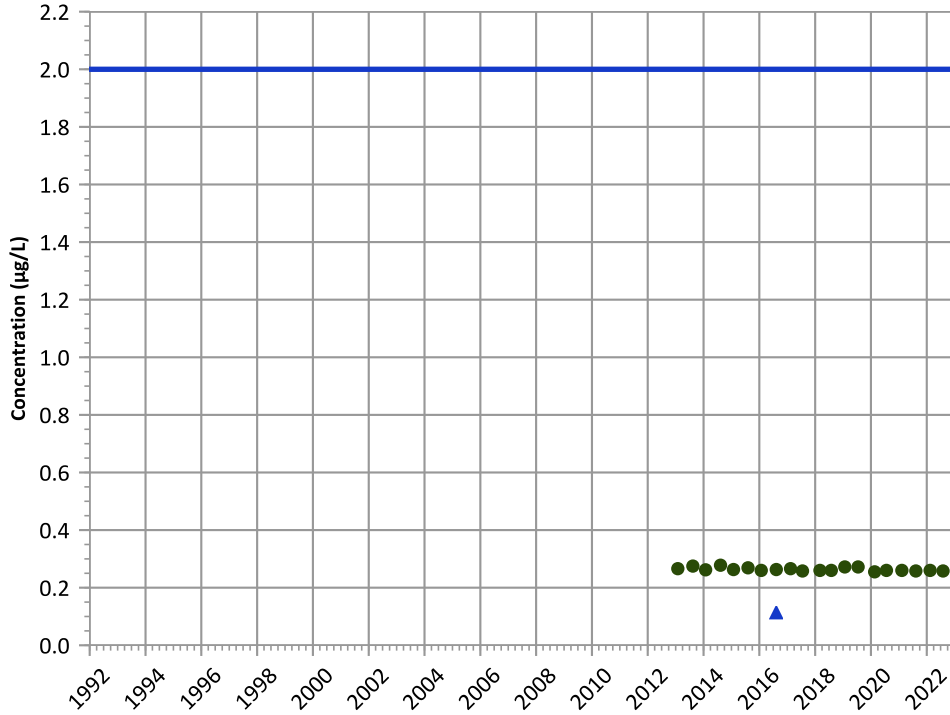
**Well Location**





PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

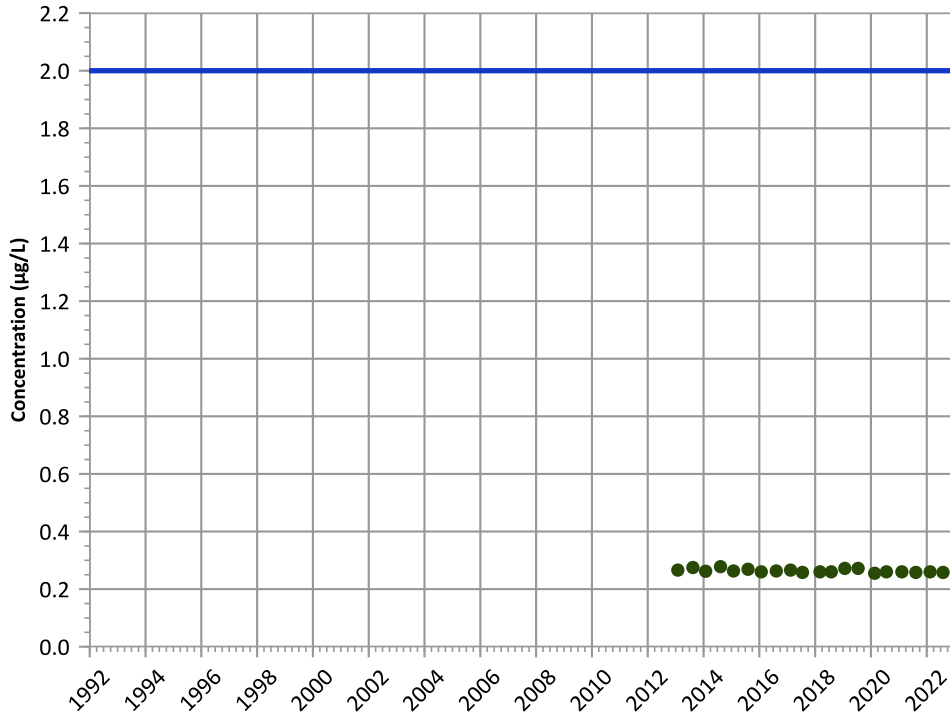


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

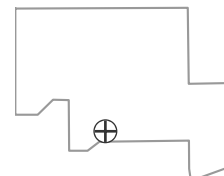
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

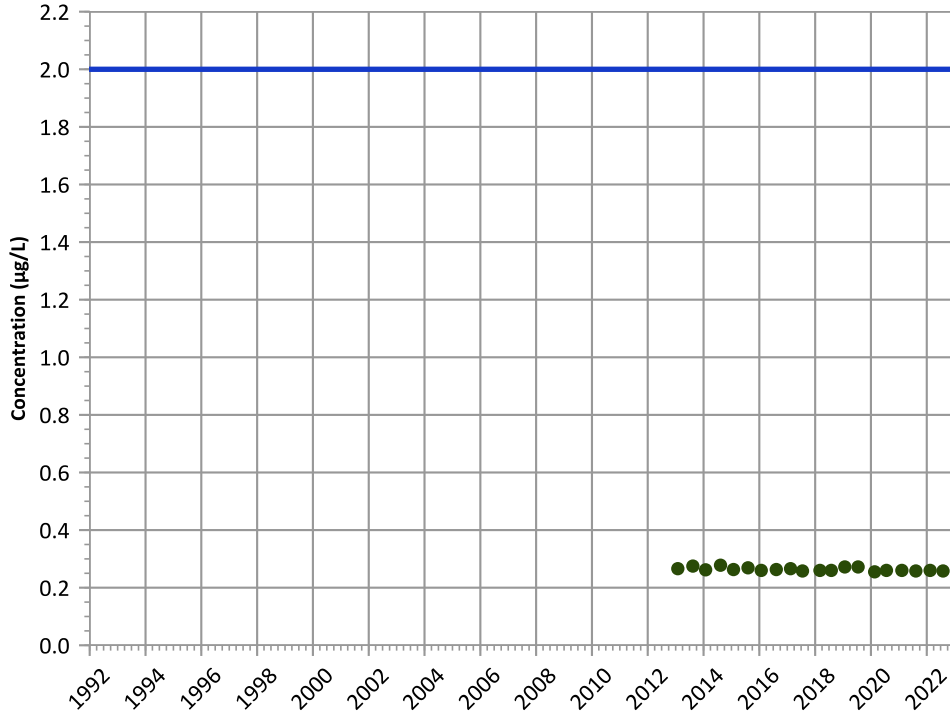
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

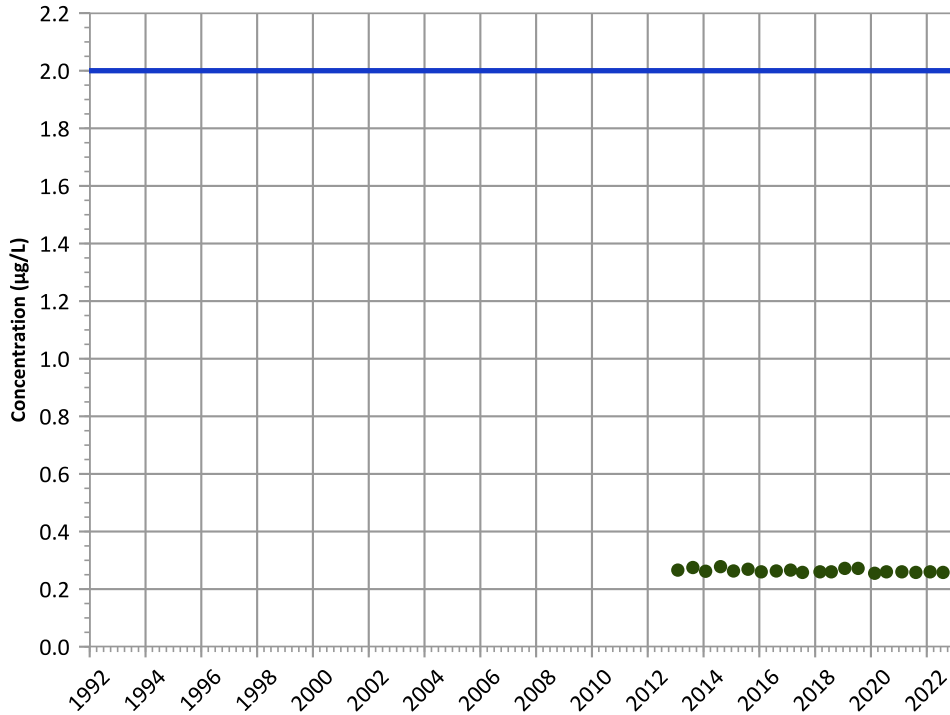


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

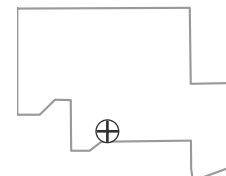
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

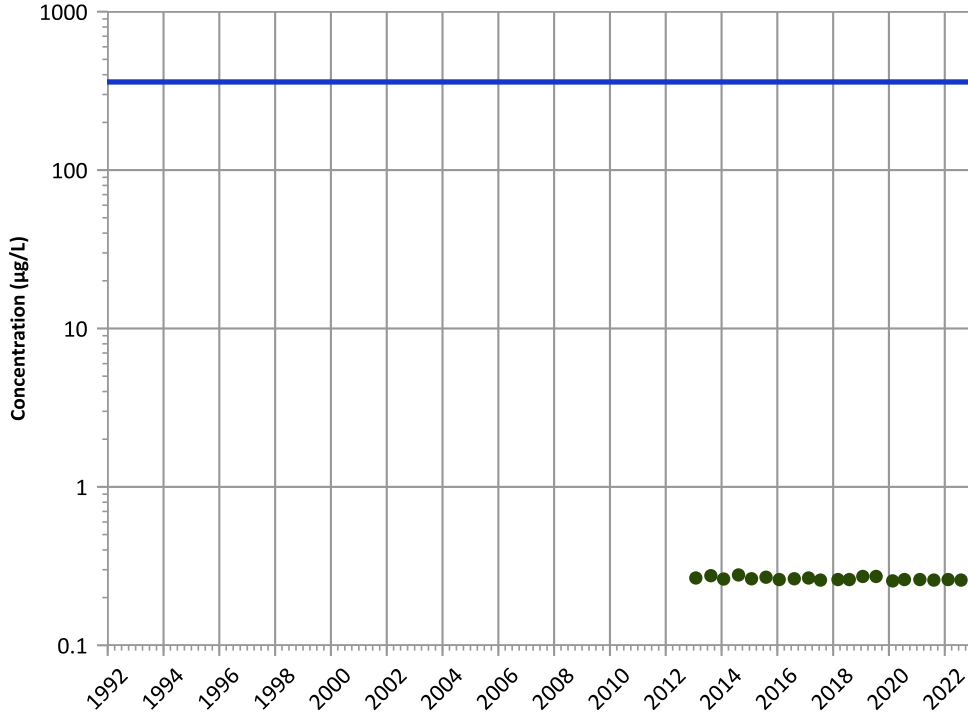
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

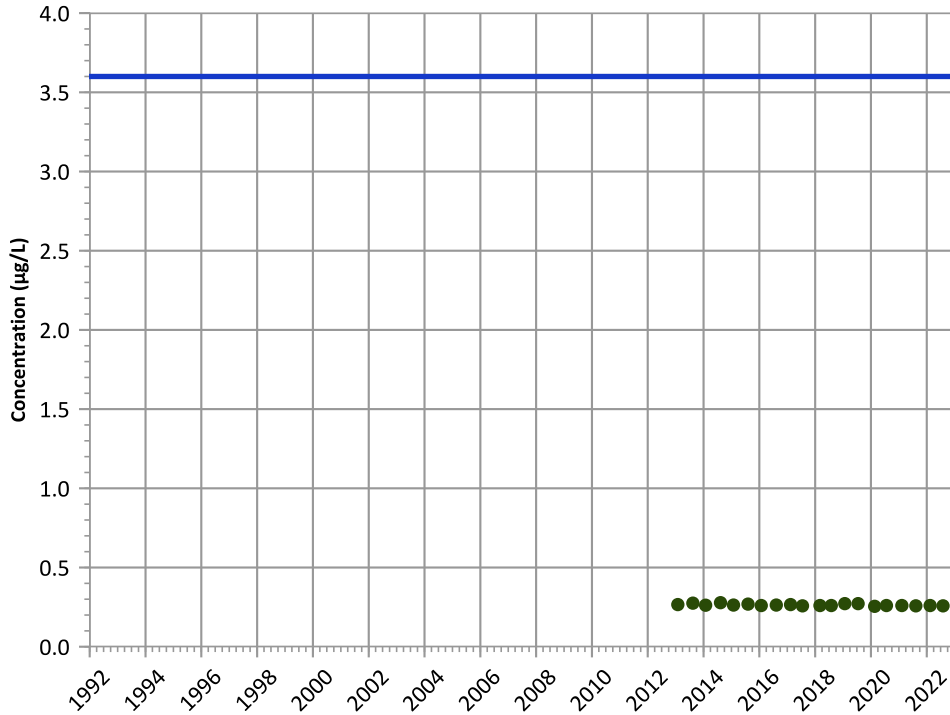


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

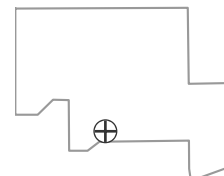
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

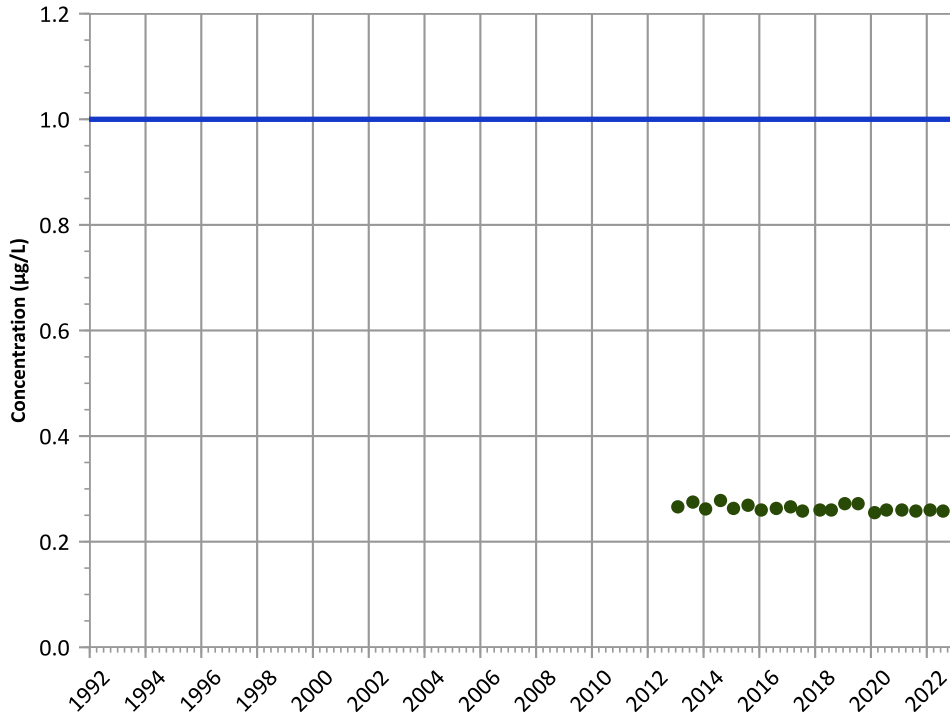
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

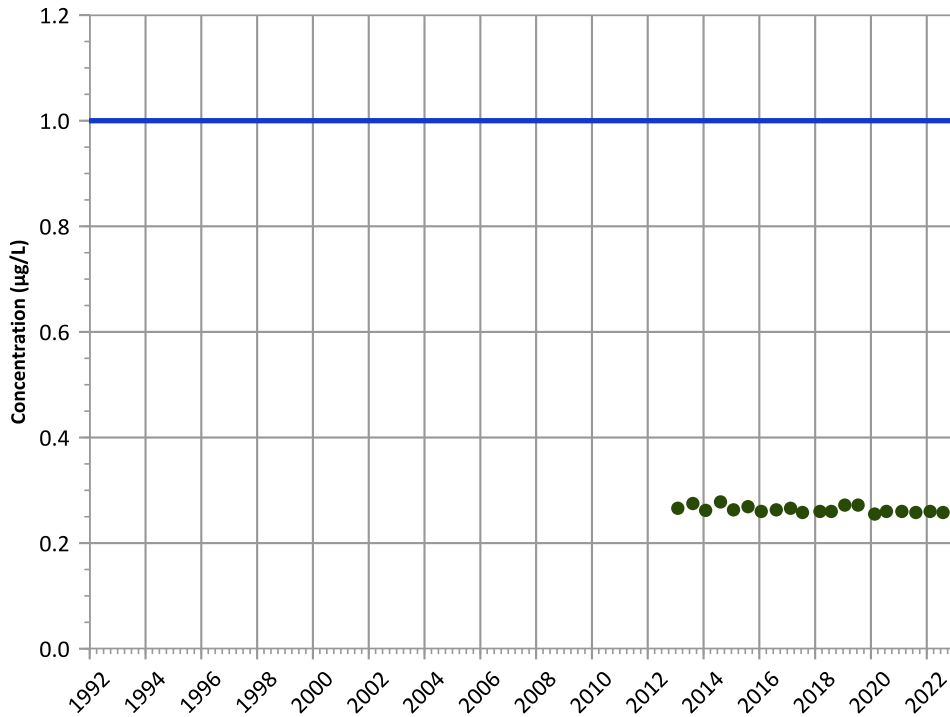


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

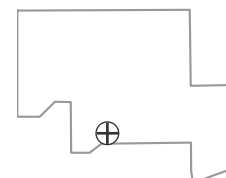
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

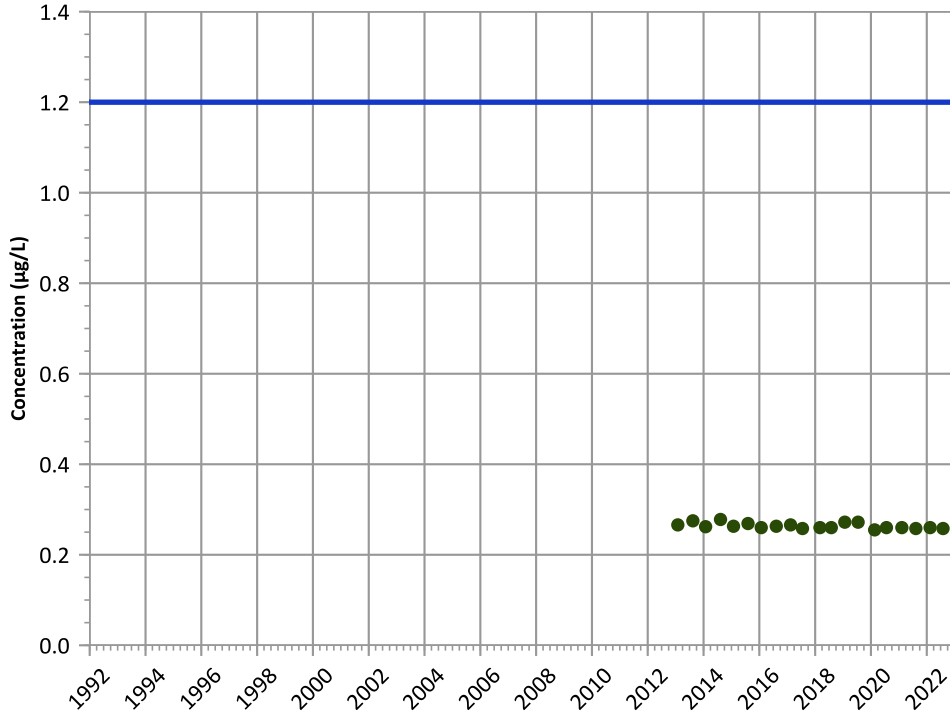
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

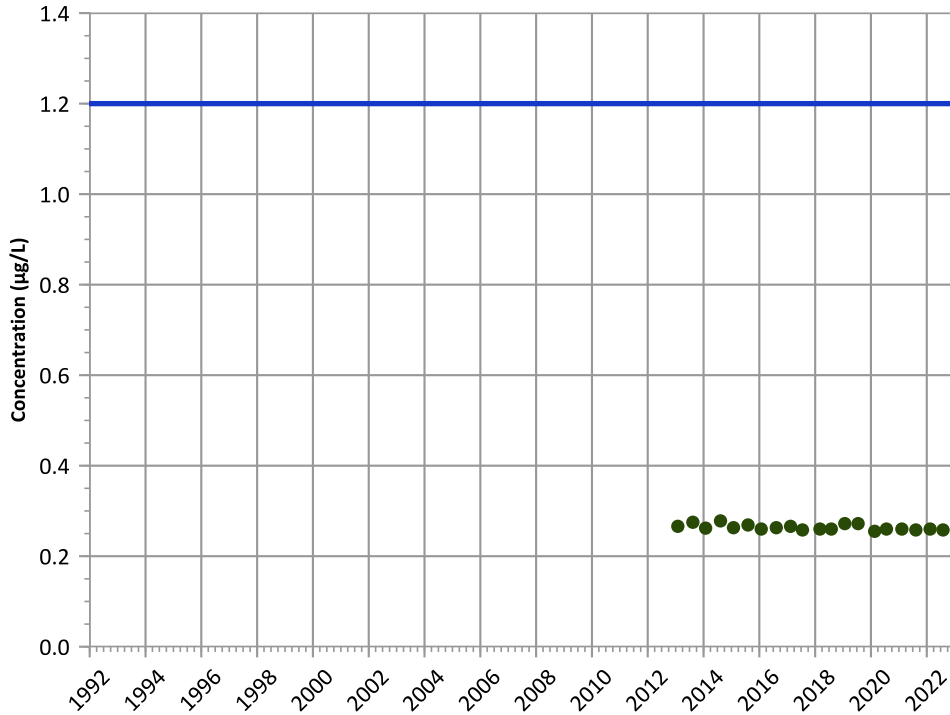
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

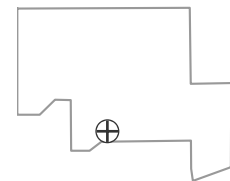
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

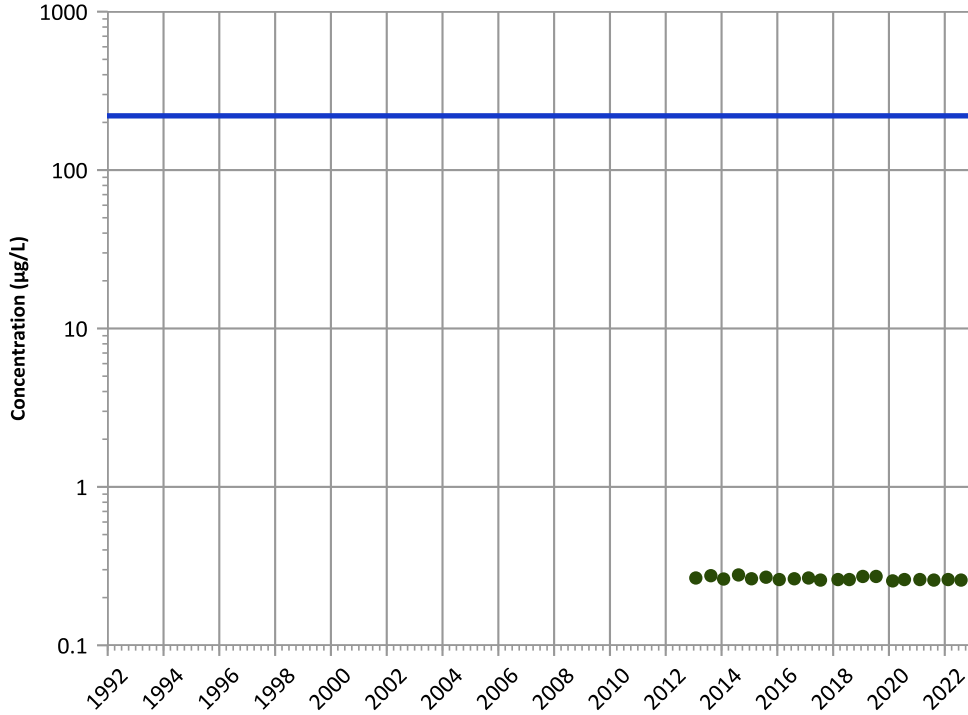


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

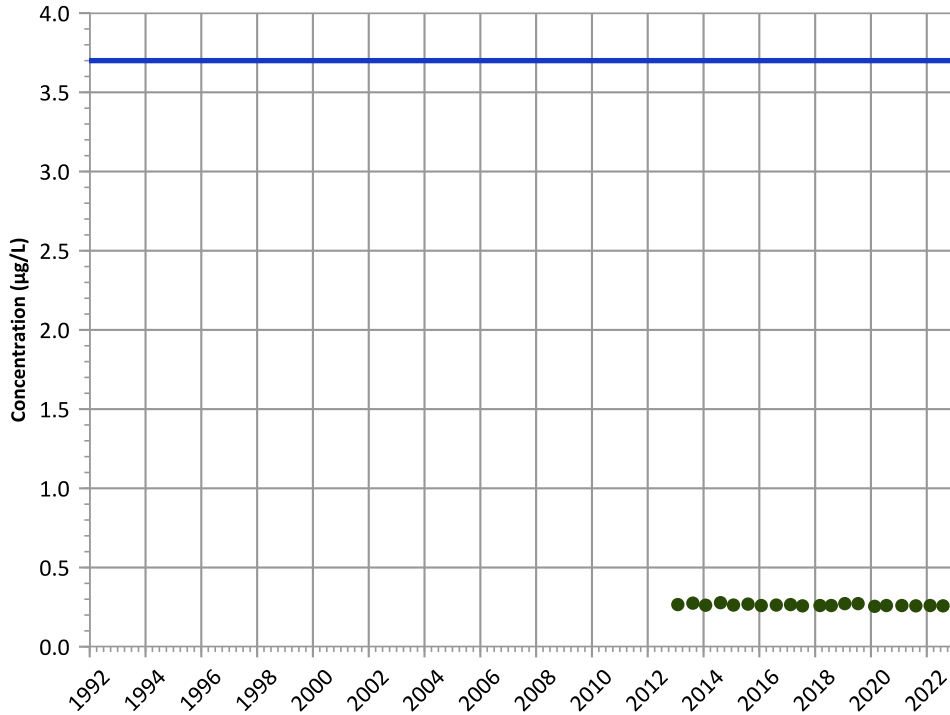
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

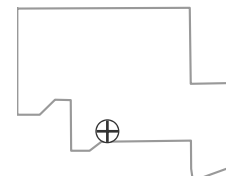
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

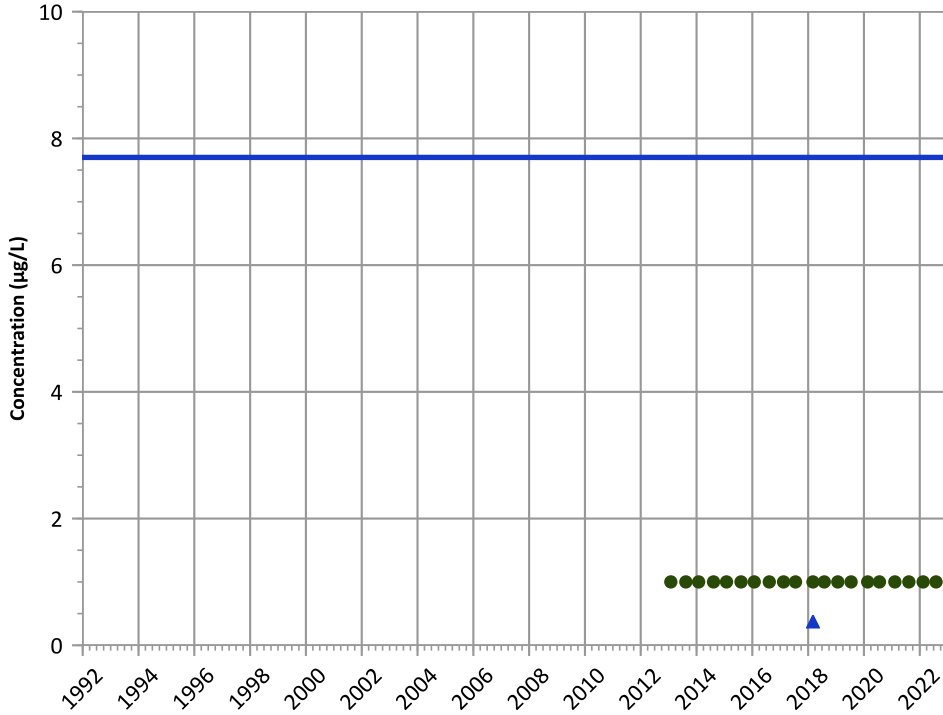
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

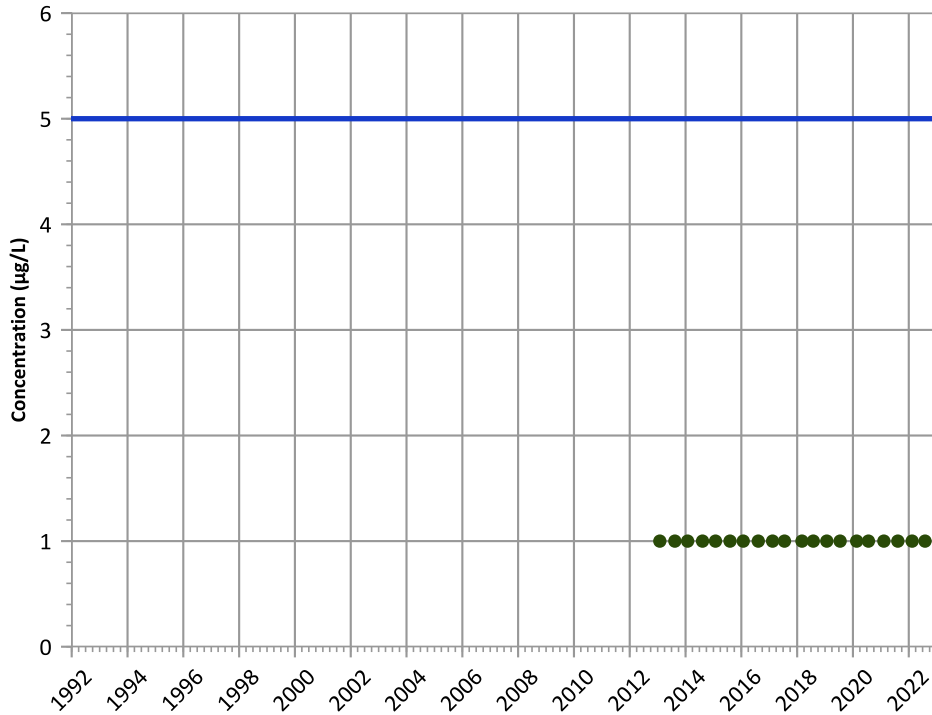


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

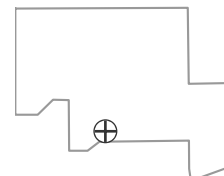
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

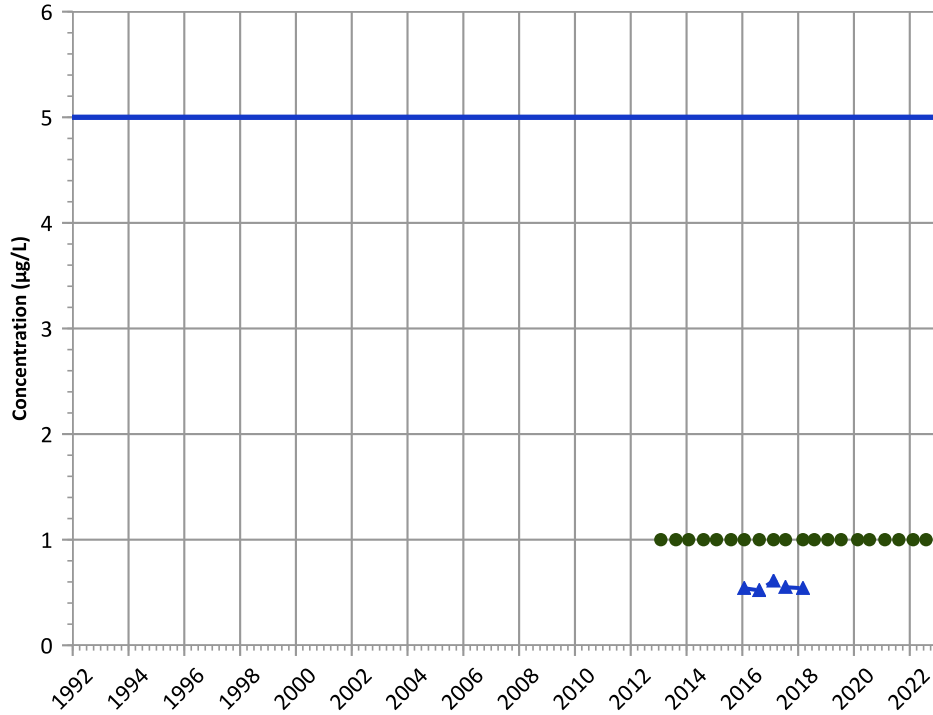
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

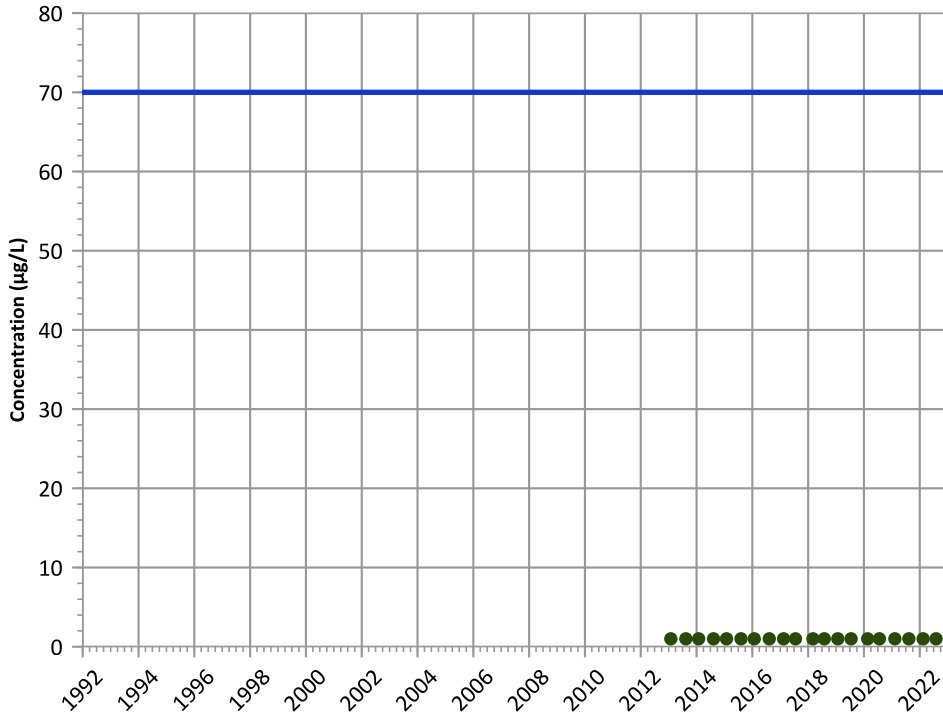


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

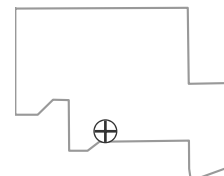
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

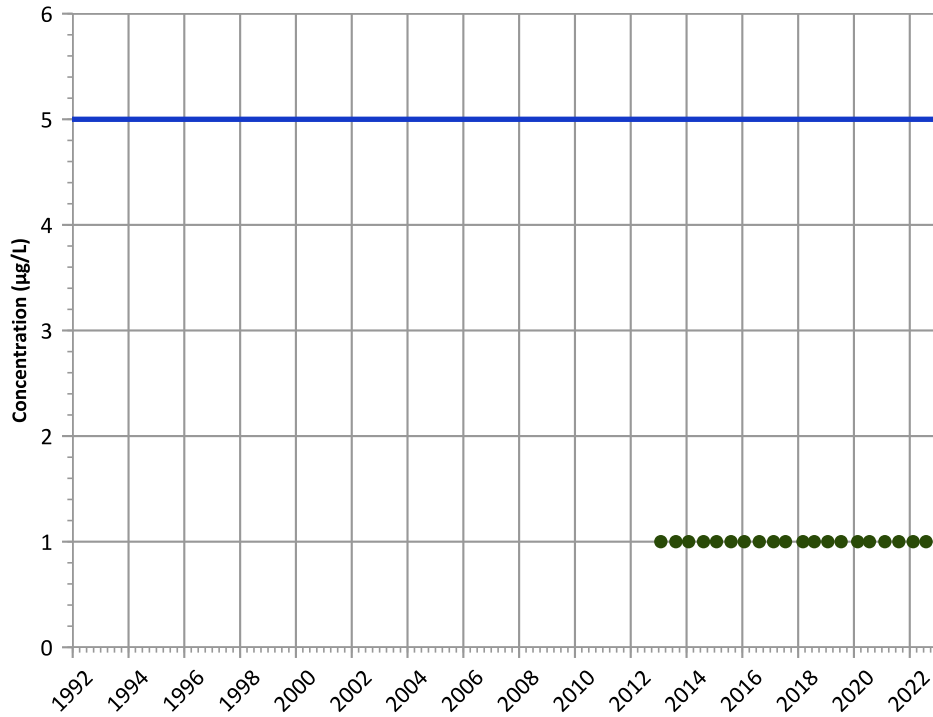
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

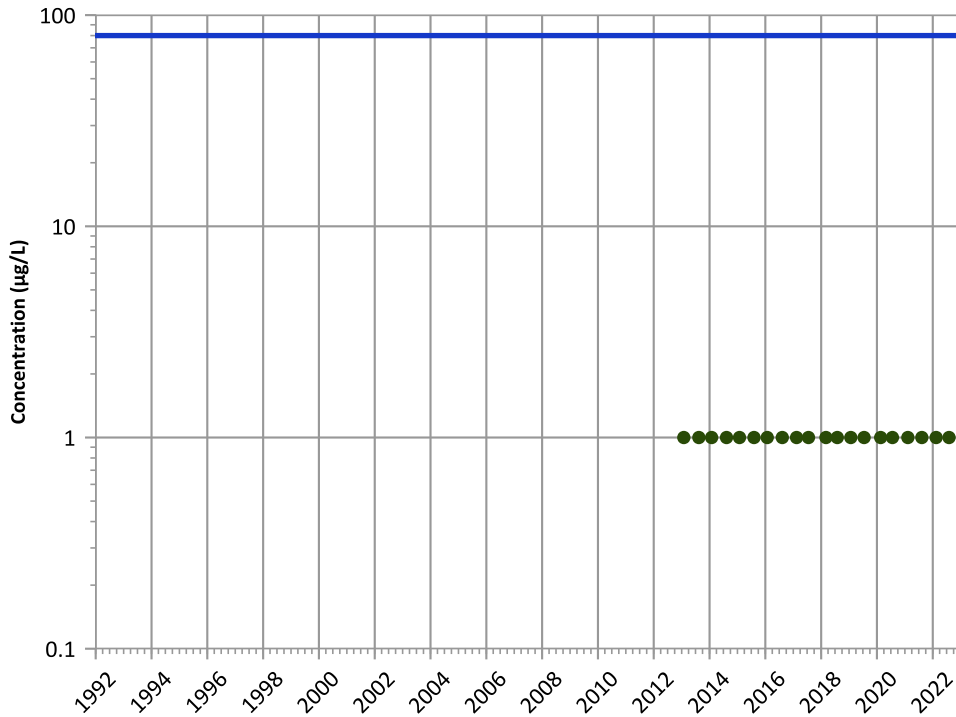
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

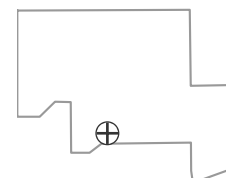
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

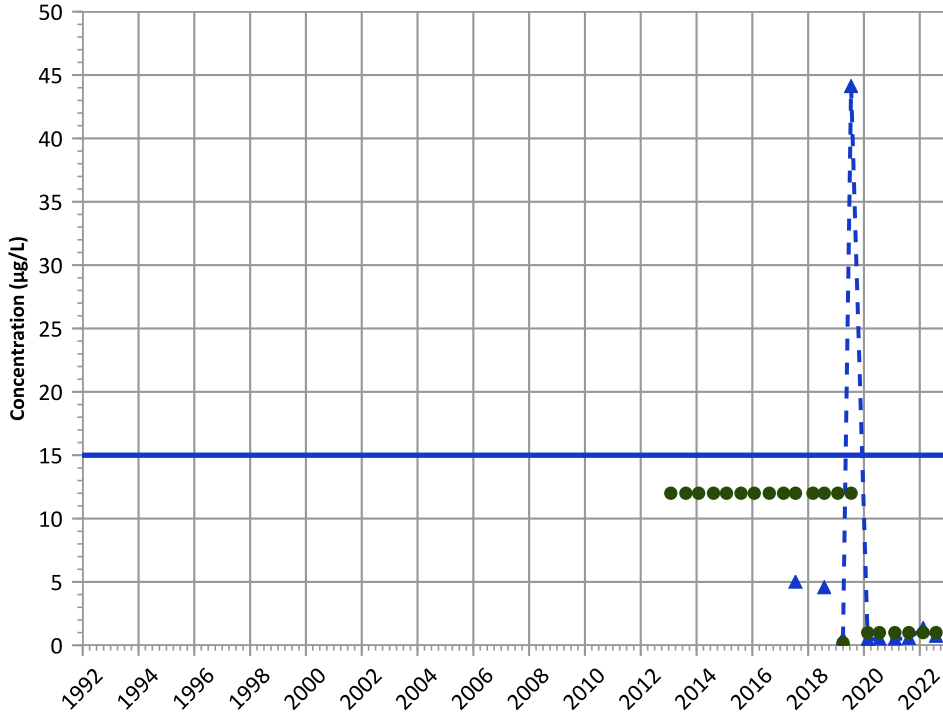
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

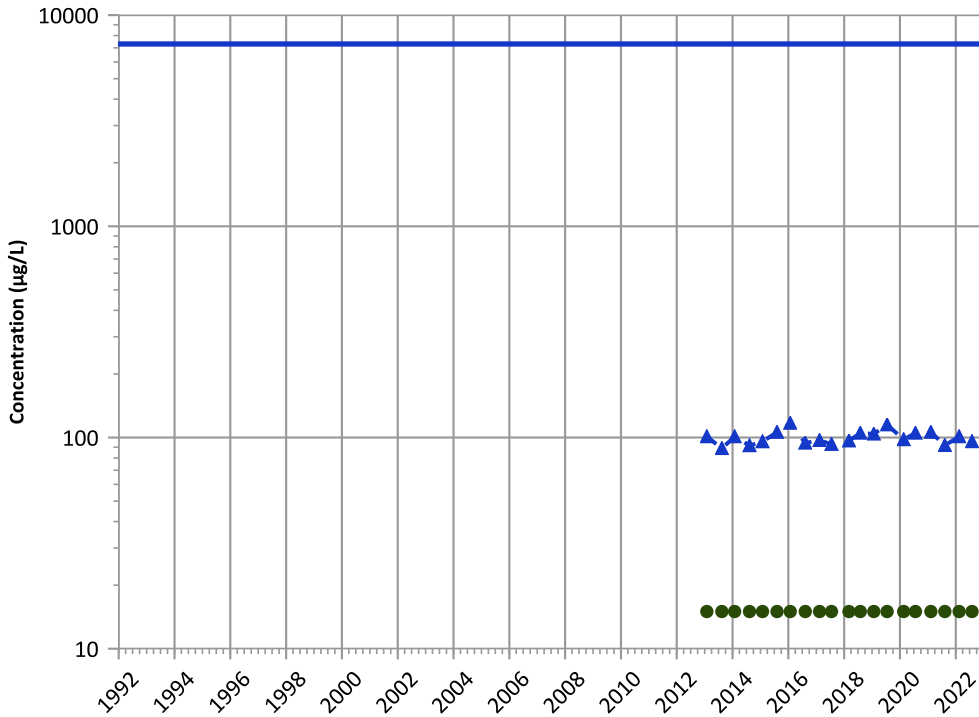


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Boron Trend

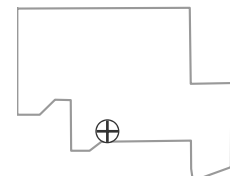


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

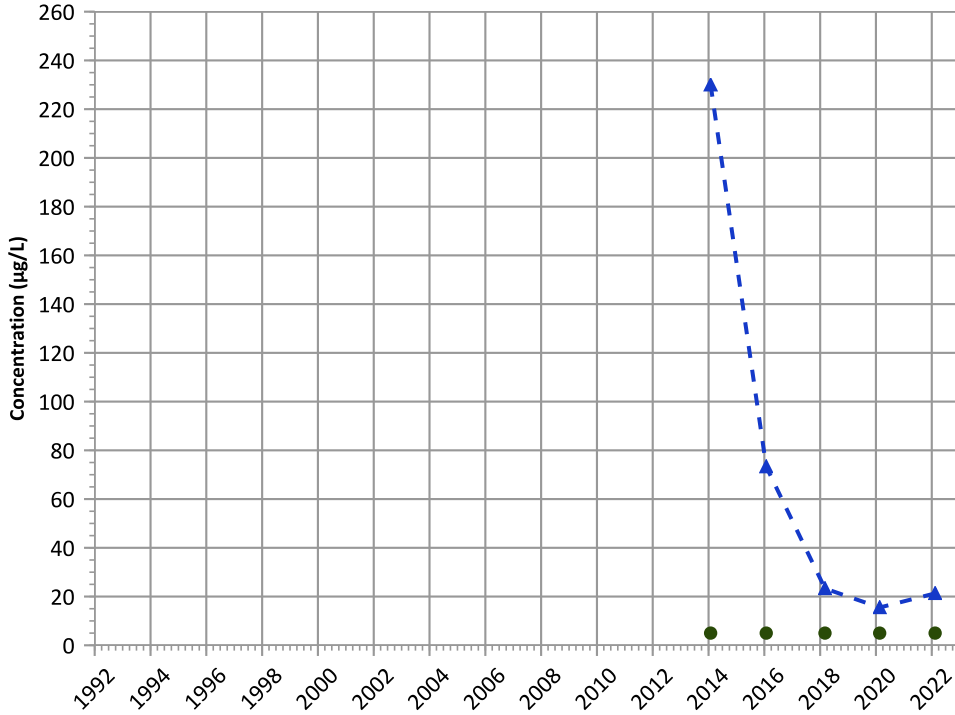


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

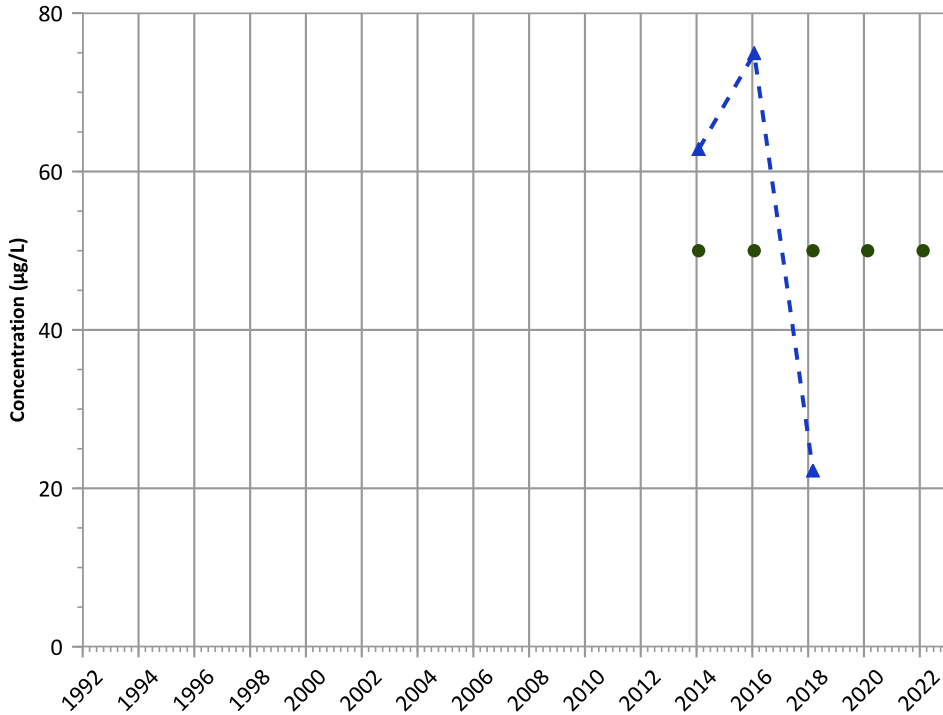
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

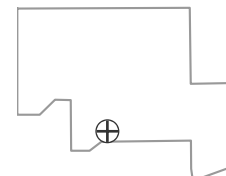
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

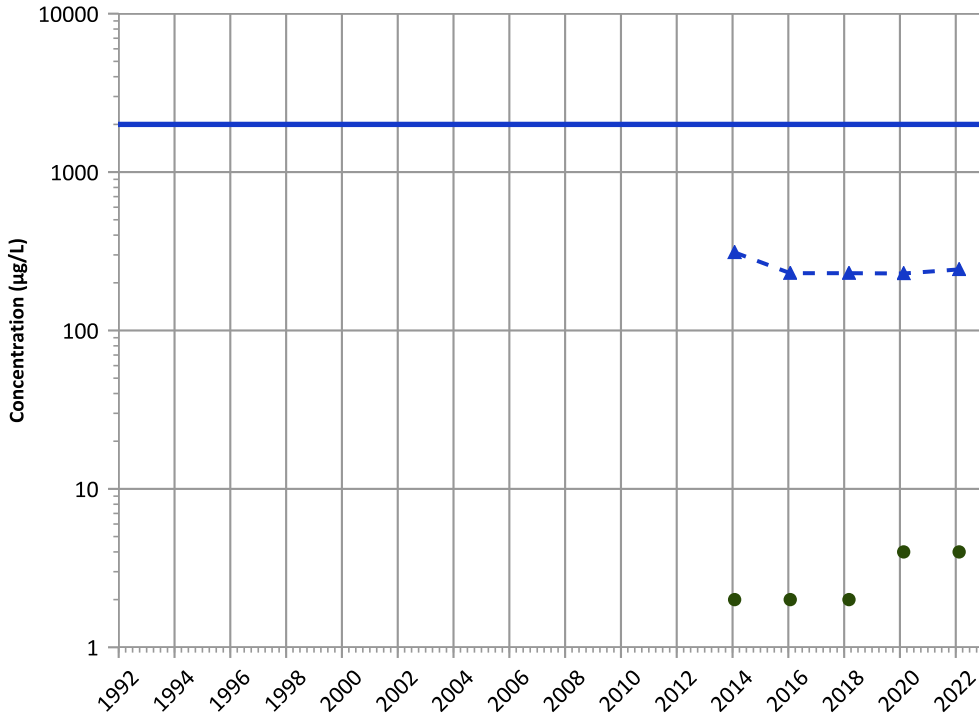
Data Date Range: 01/29/2013 to 08/02/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

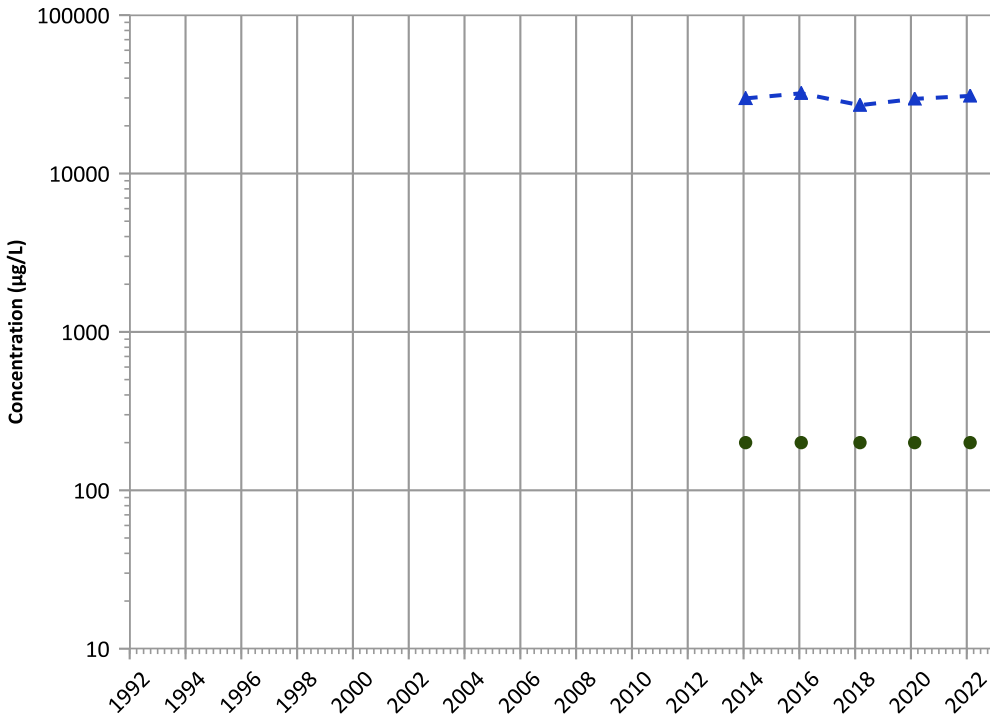


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

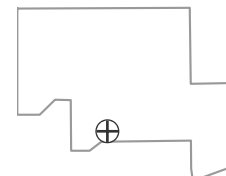
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

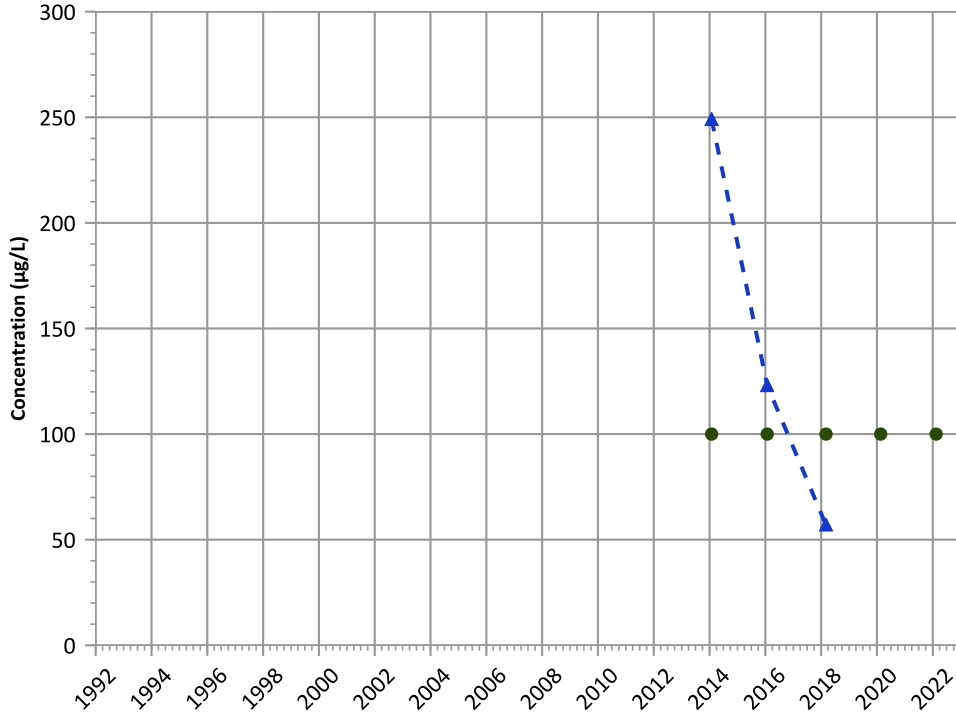
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

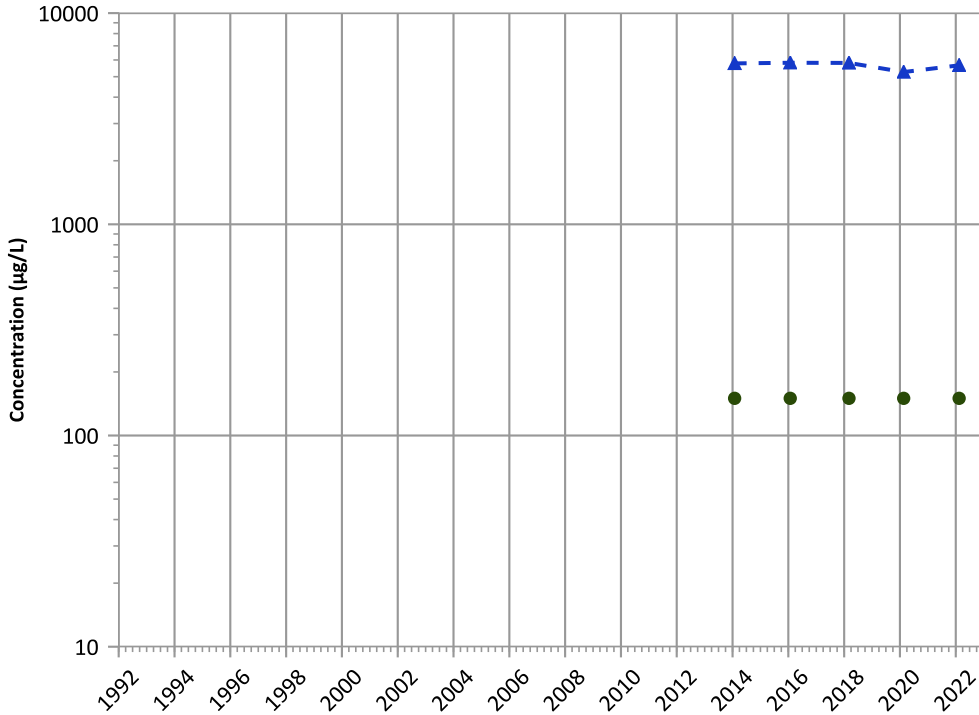


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

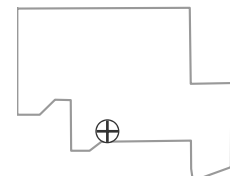


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Well Location

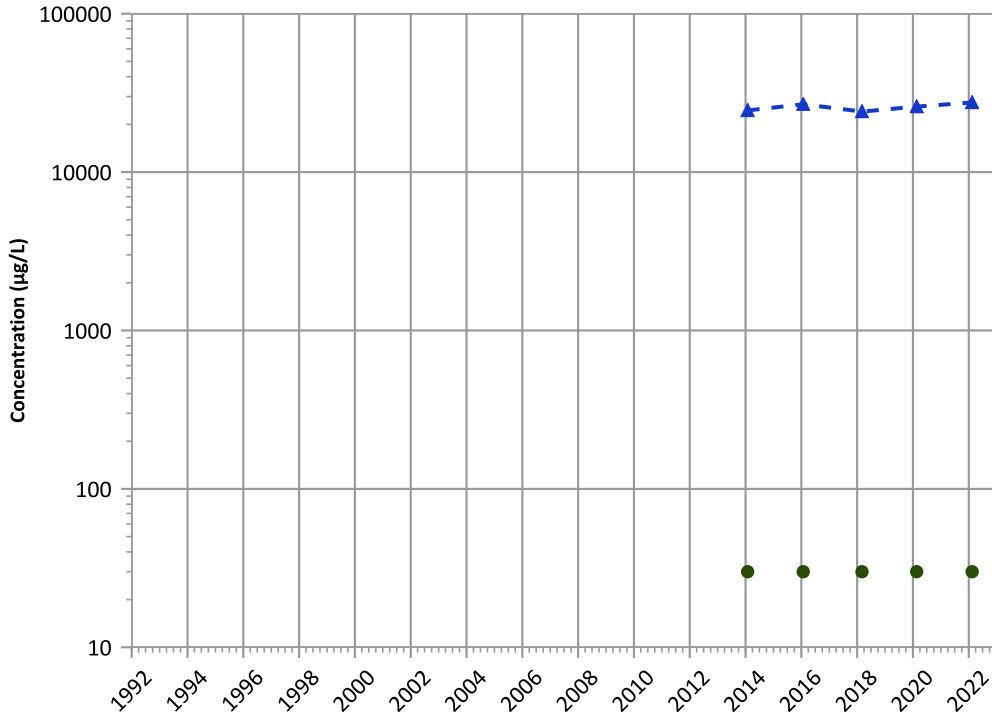


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

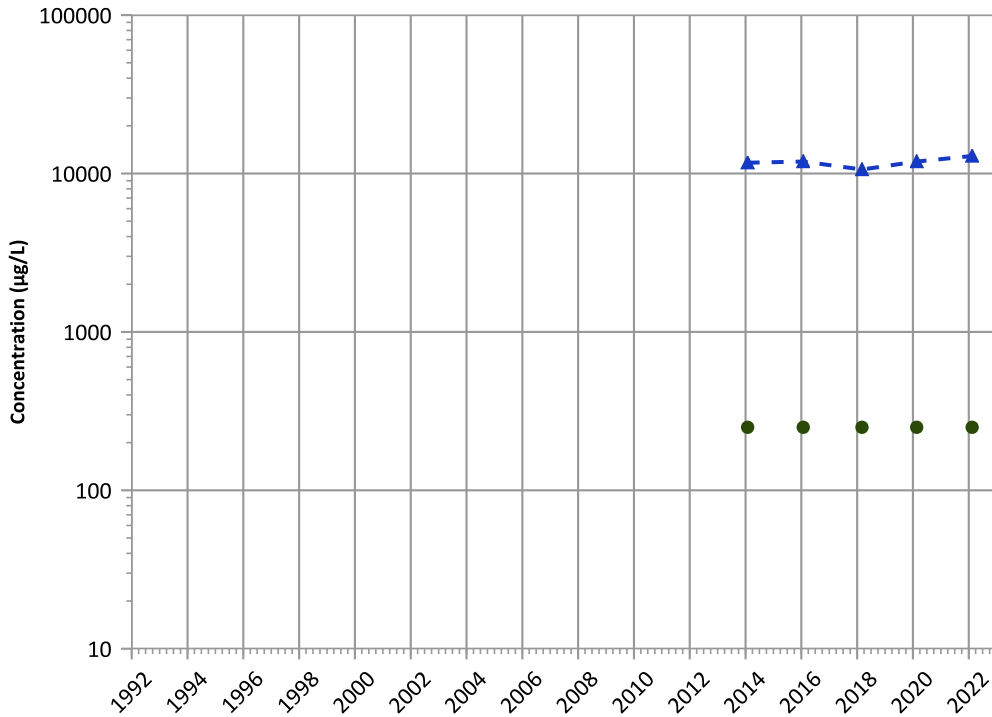


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Sodium Trend

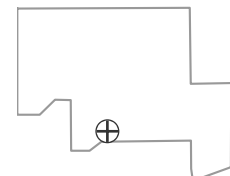


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

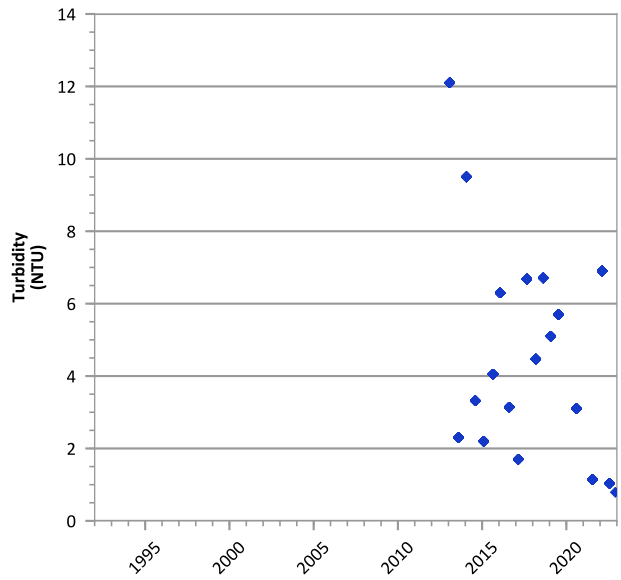
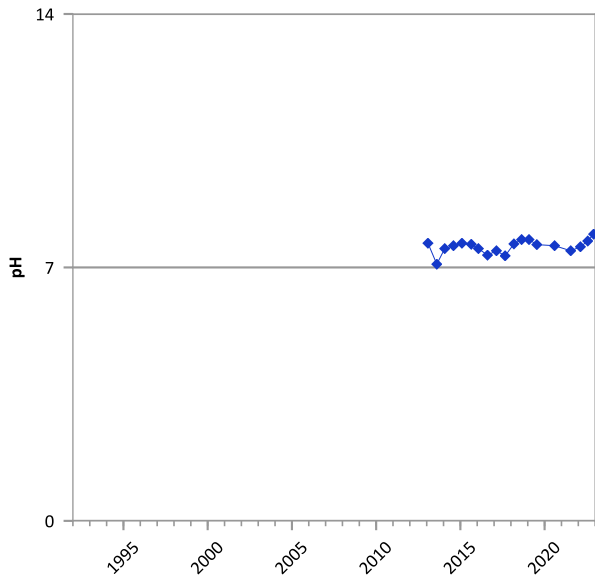
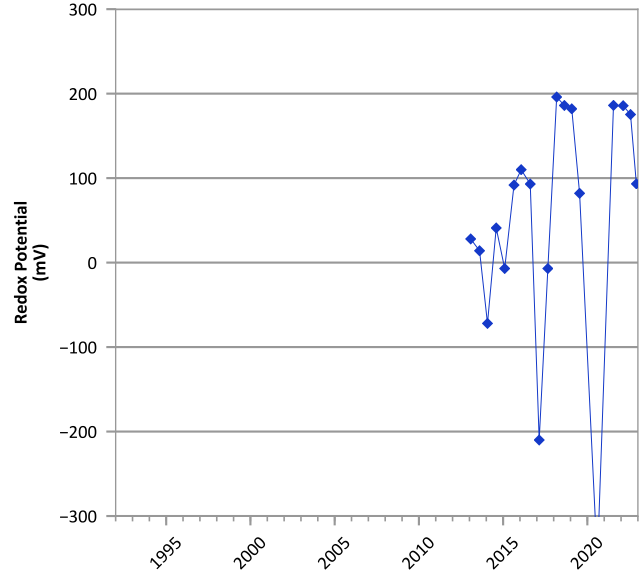
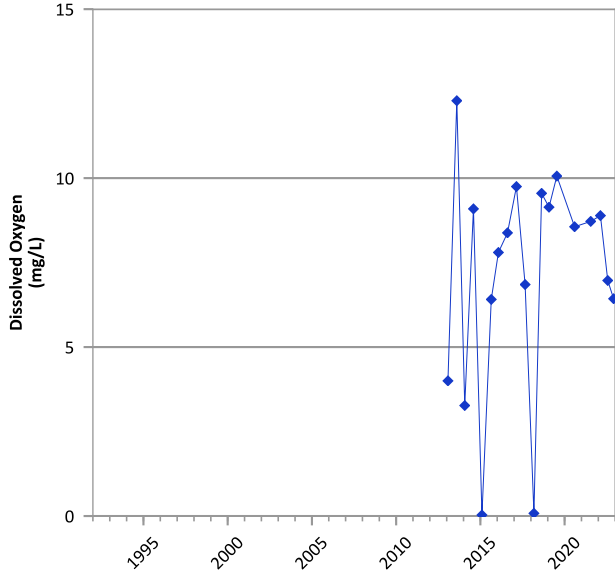
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/29/2013 to 08/02/2022  
Analysis Date: 04/27/2023

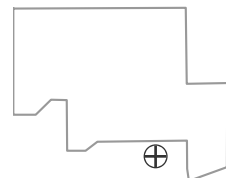
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



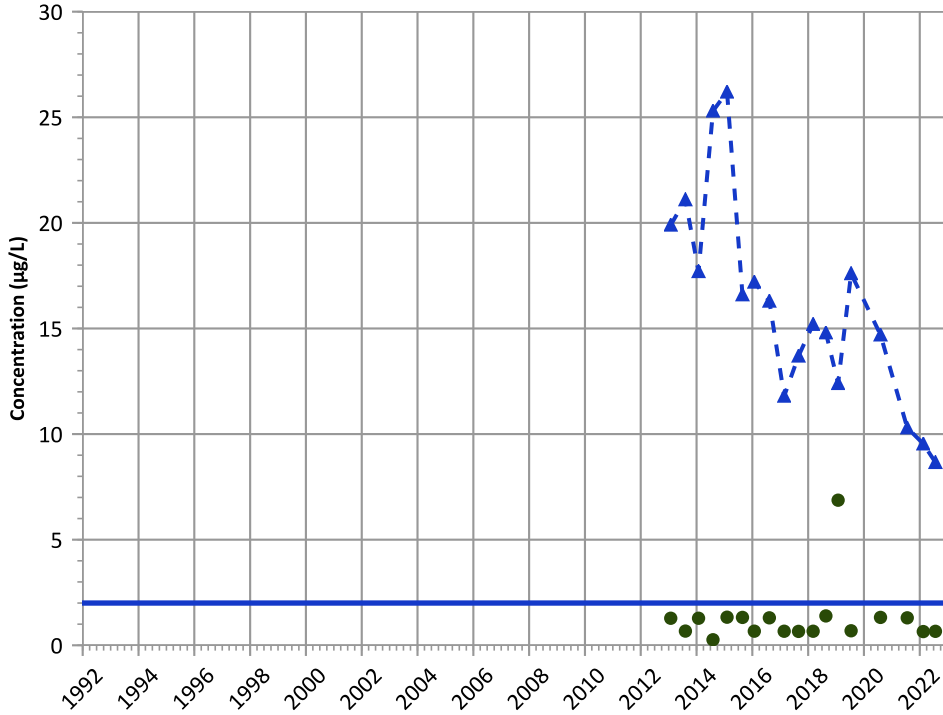
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/28/2013 to 11/29/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

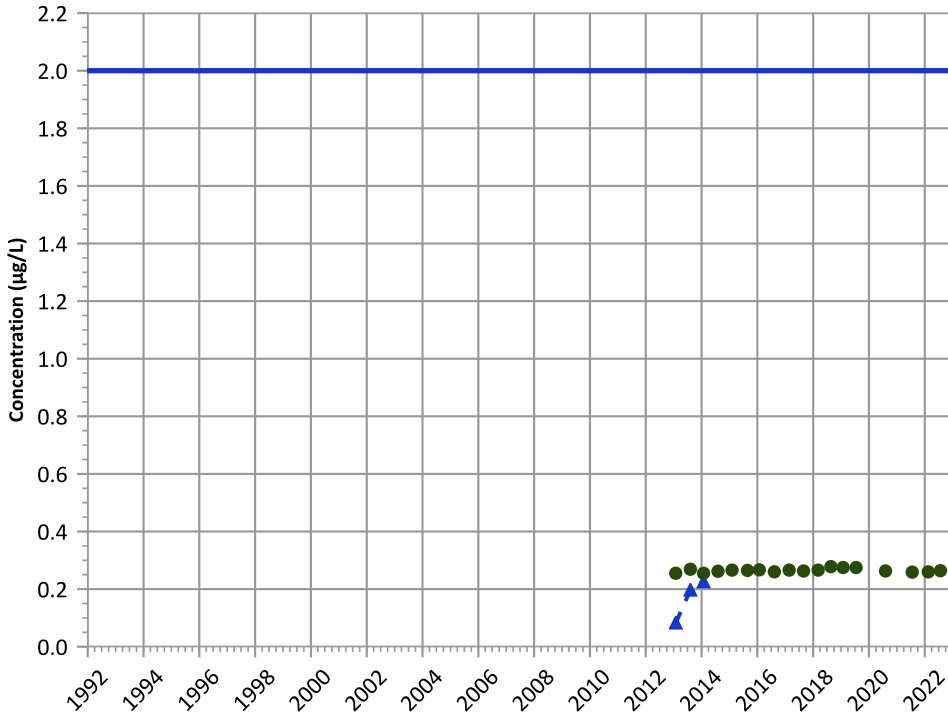


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

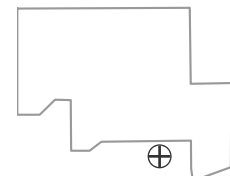
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

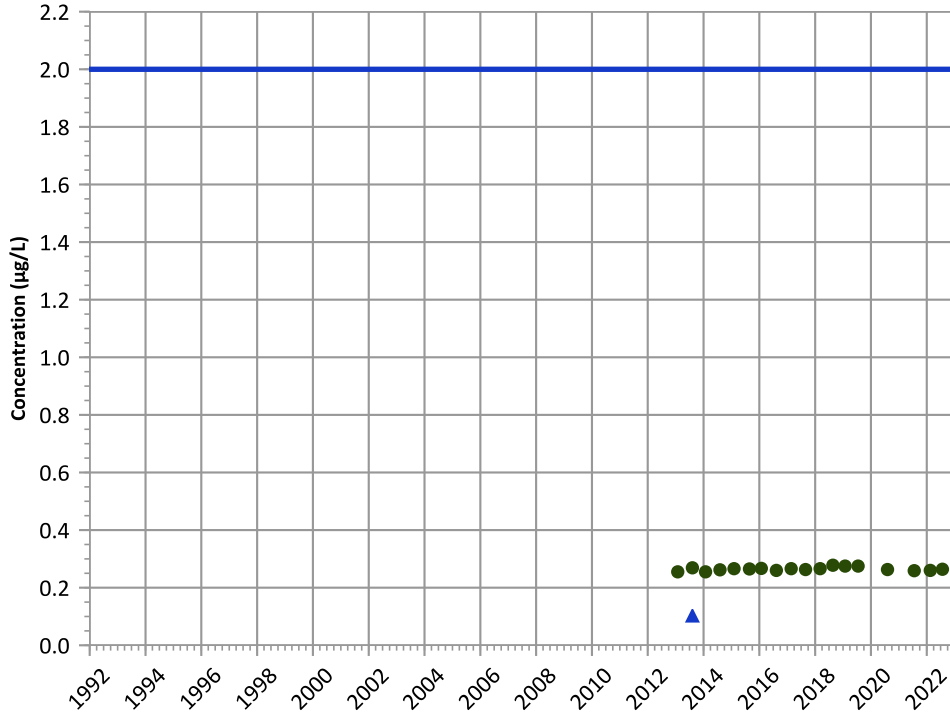
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

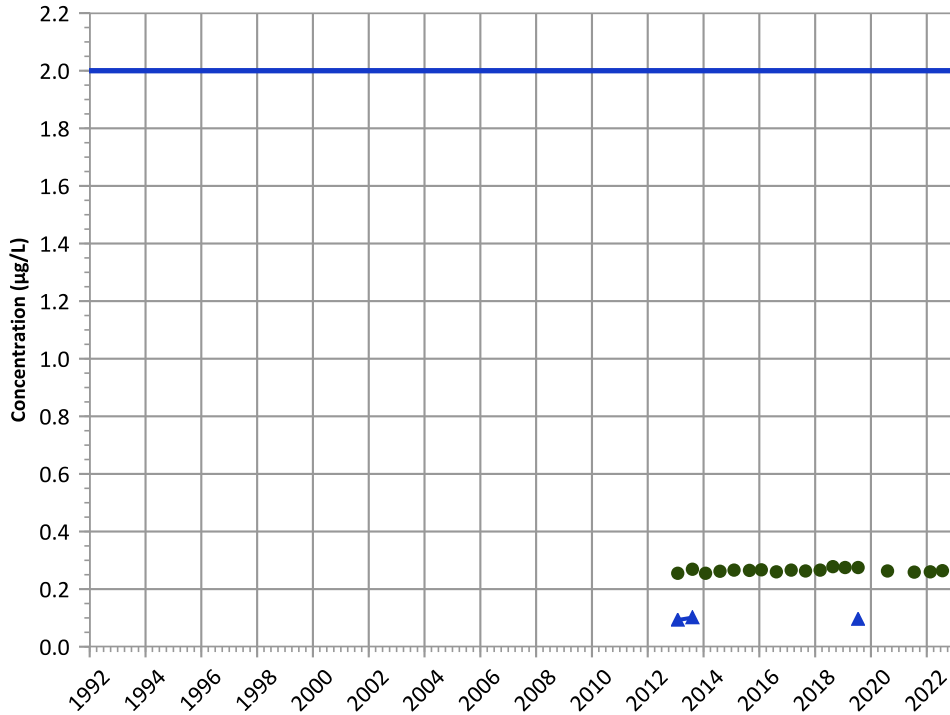


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

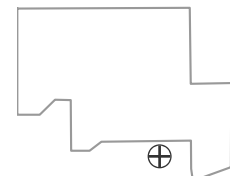


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

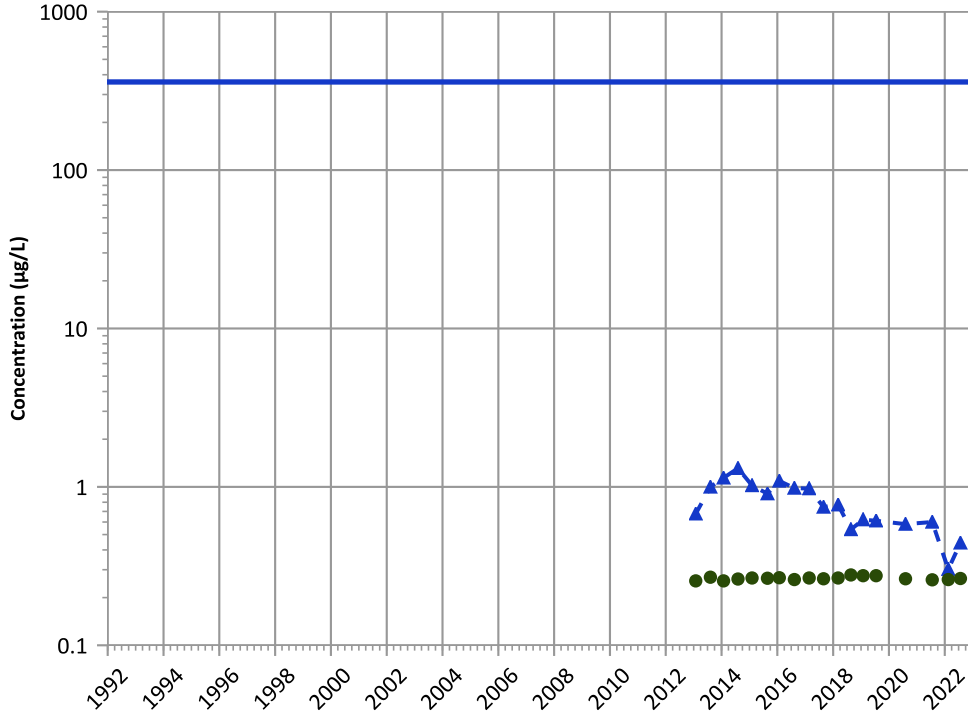


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

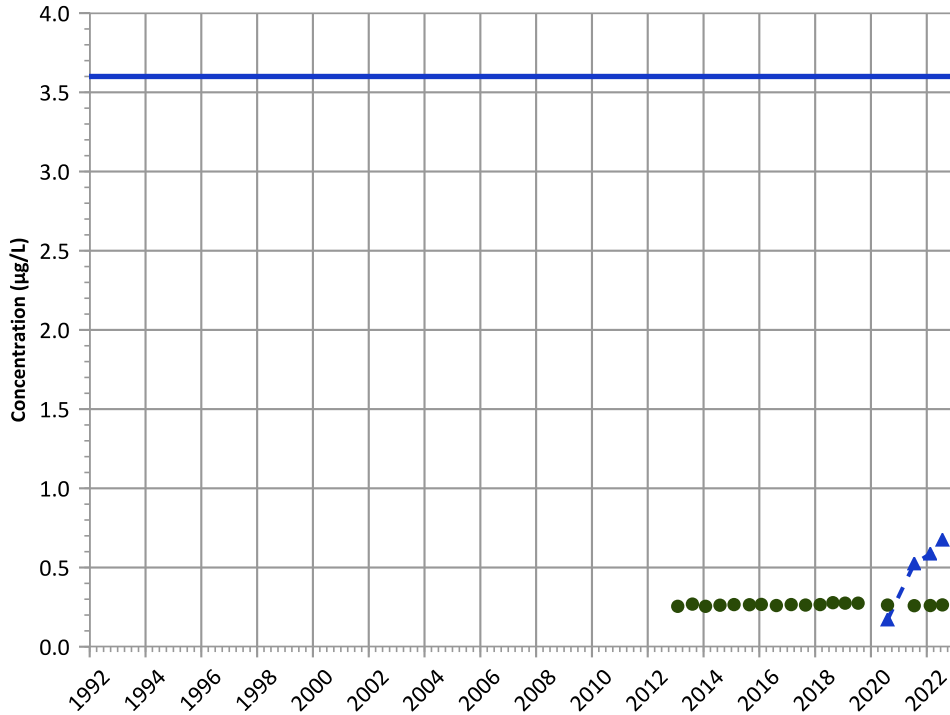


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

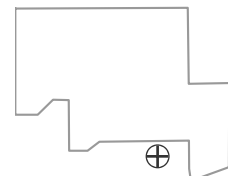
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

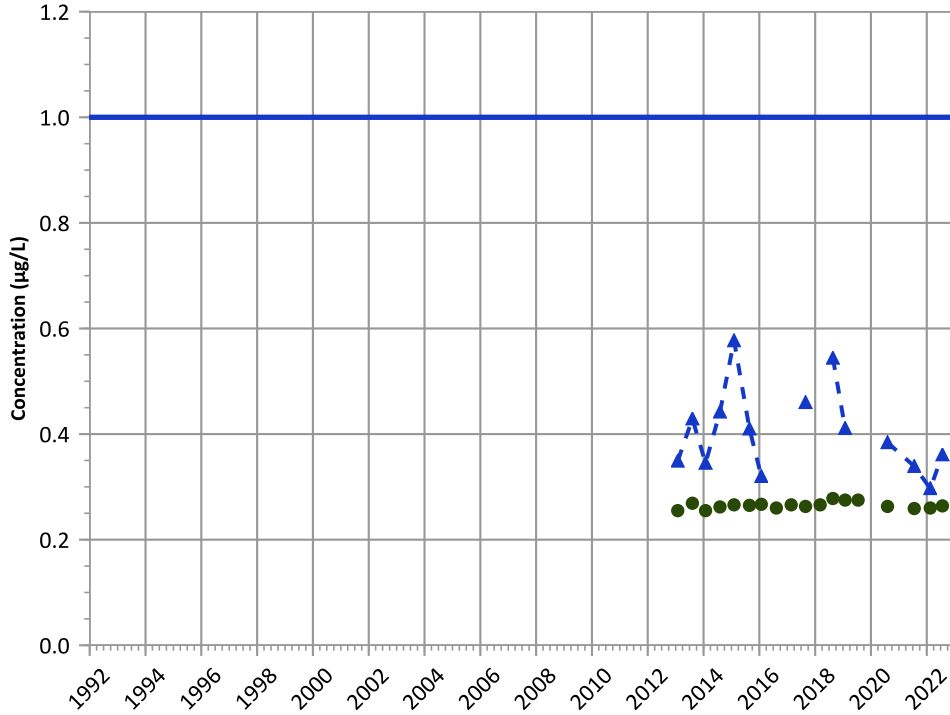
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

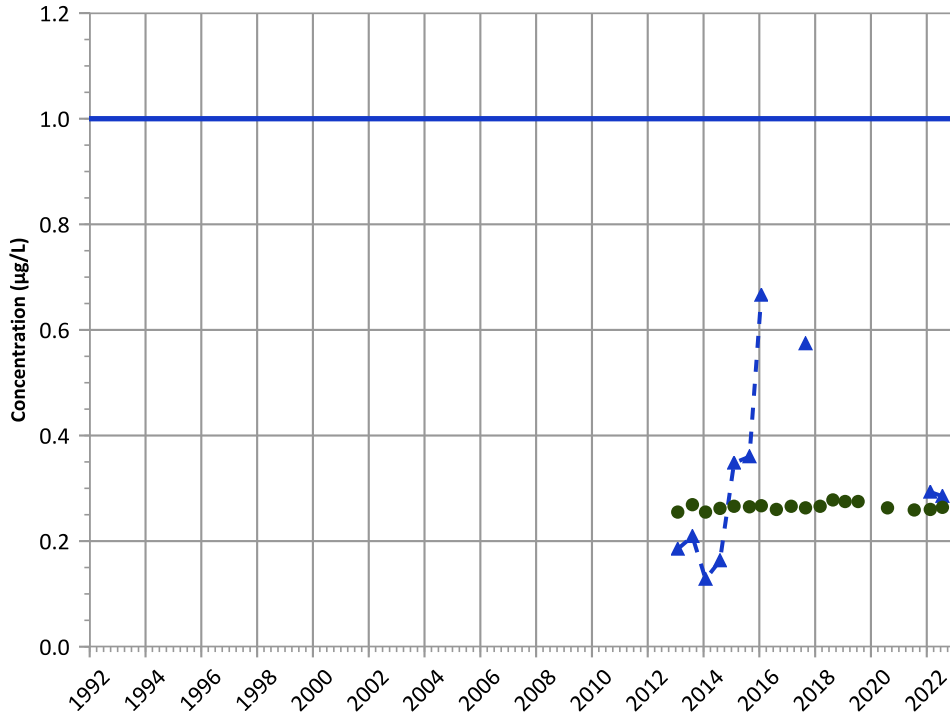


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

2,6-Dinitrotoluene Trend



Concentration Trend

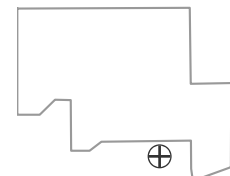
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

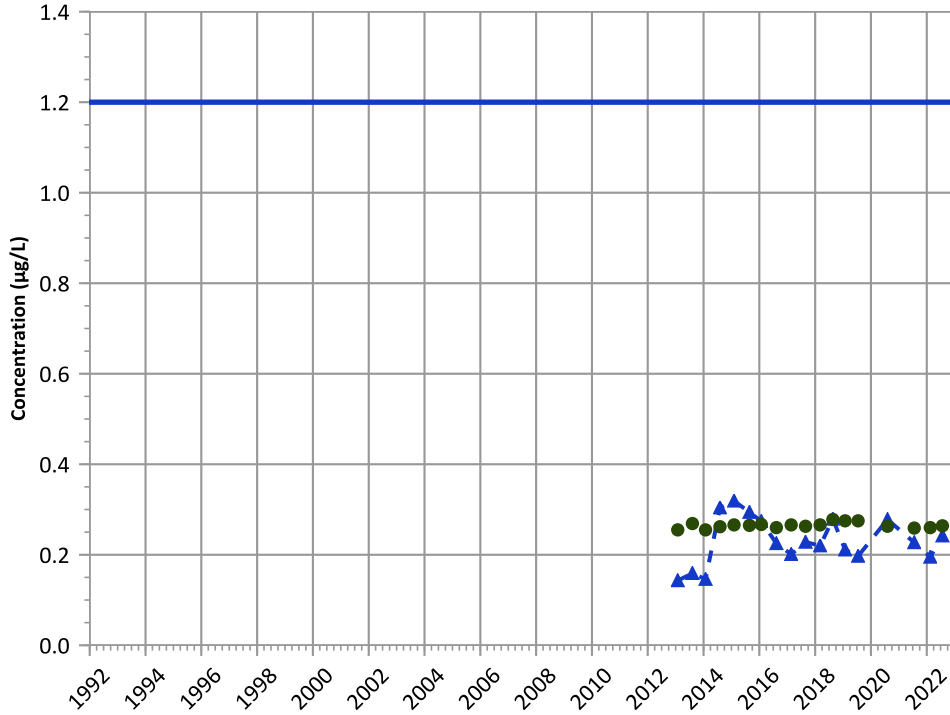
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

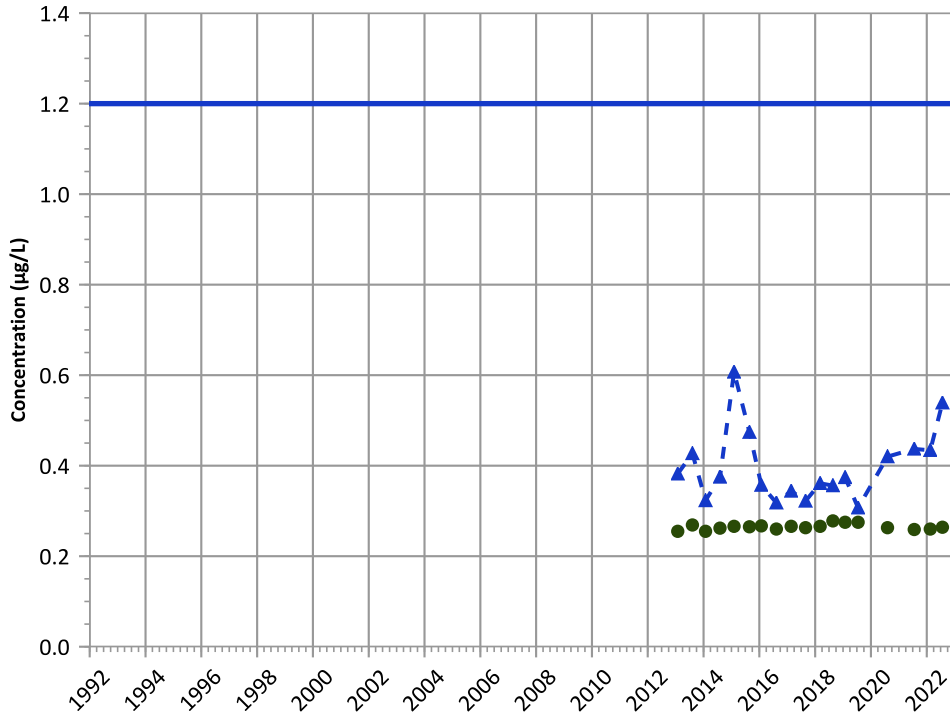


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

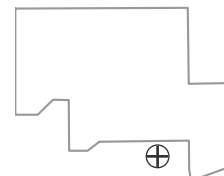
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

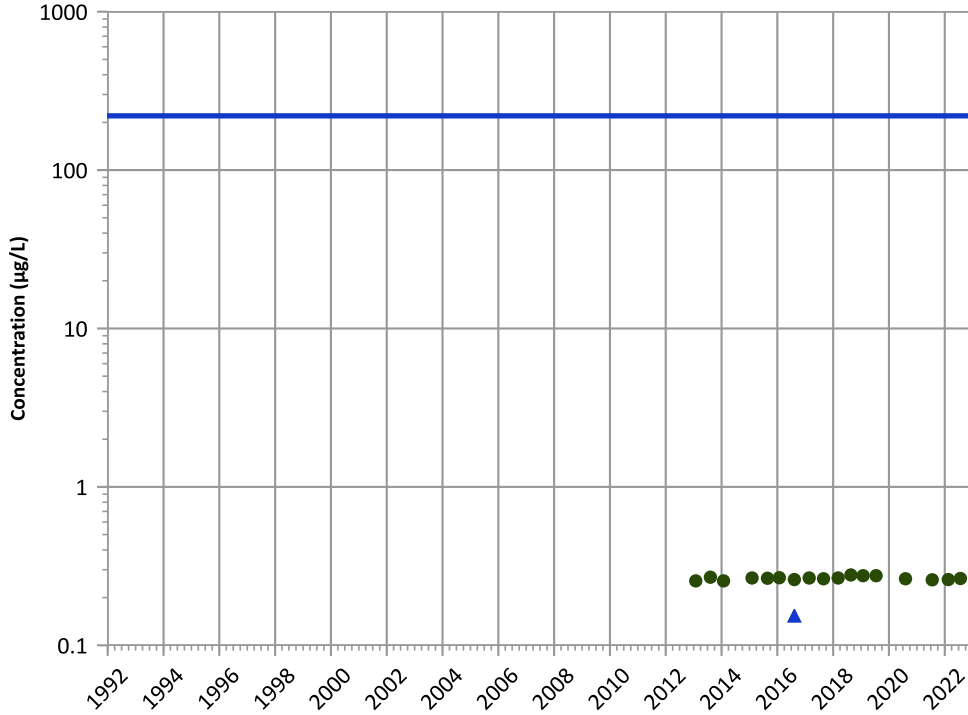
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

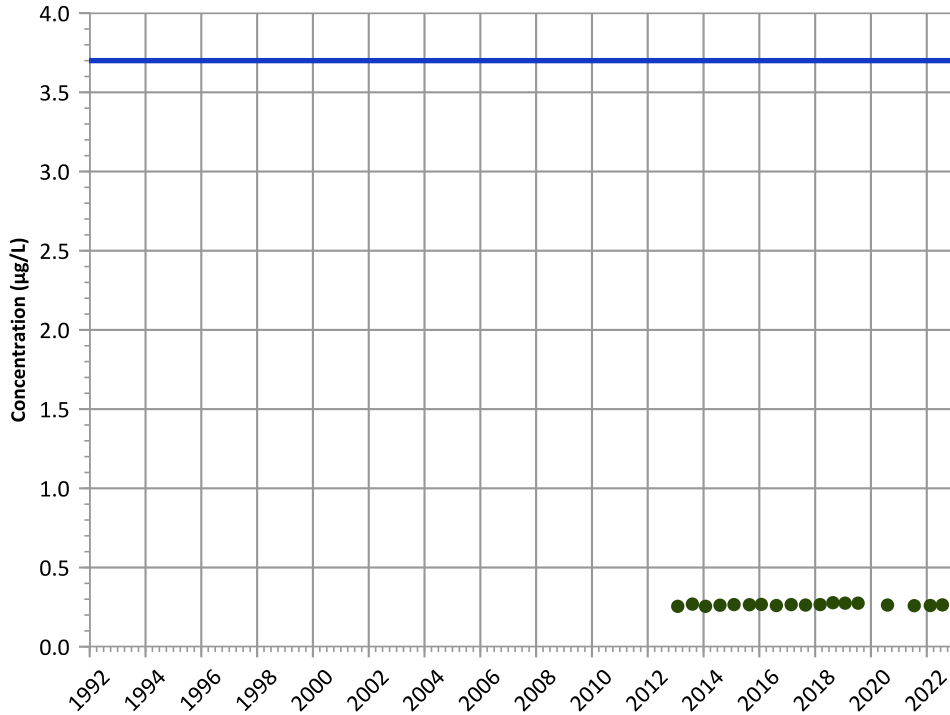


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

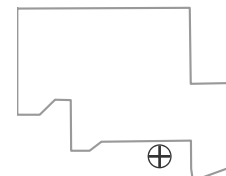
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

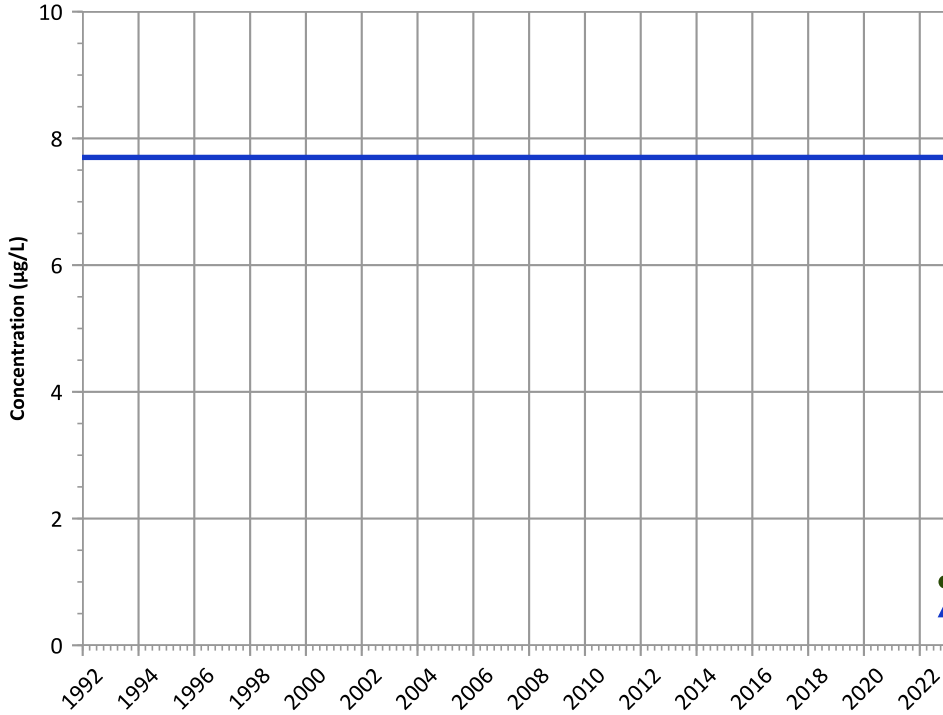
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

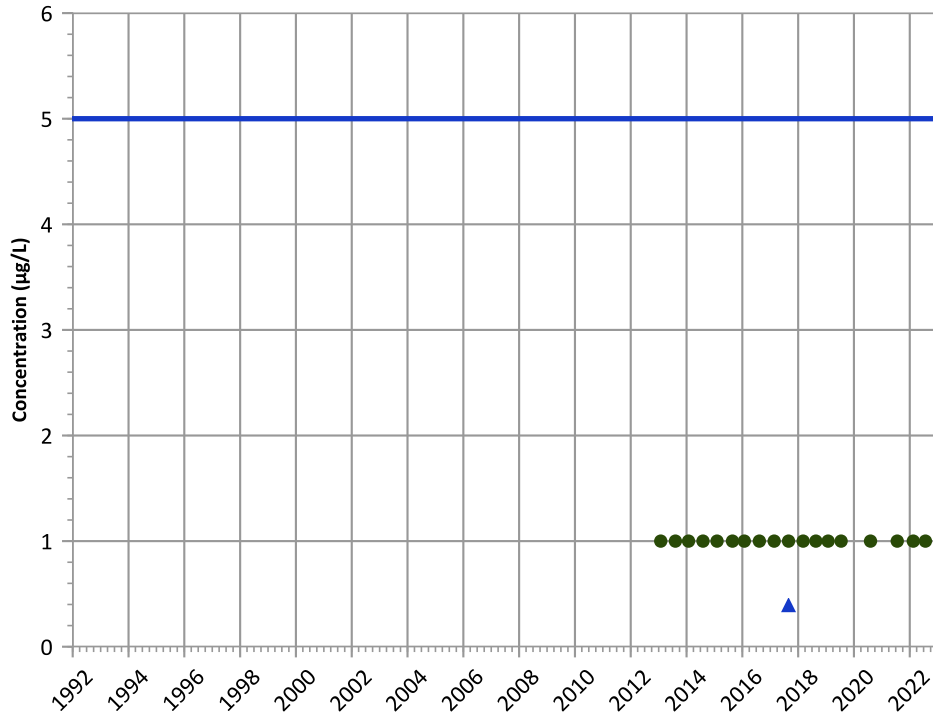
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

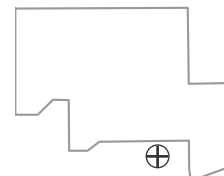
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

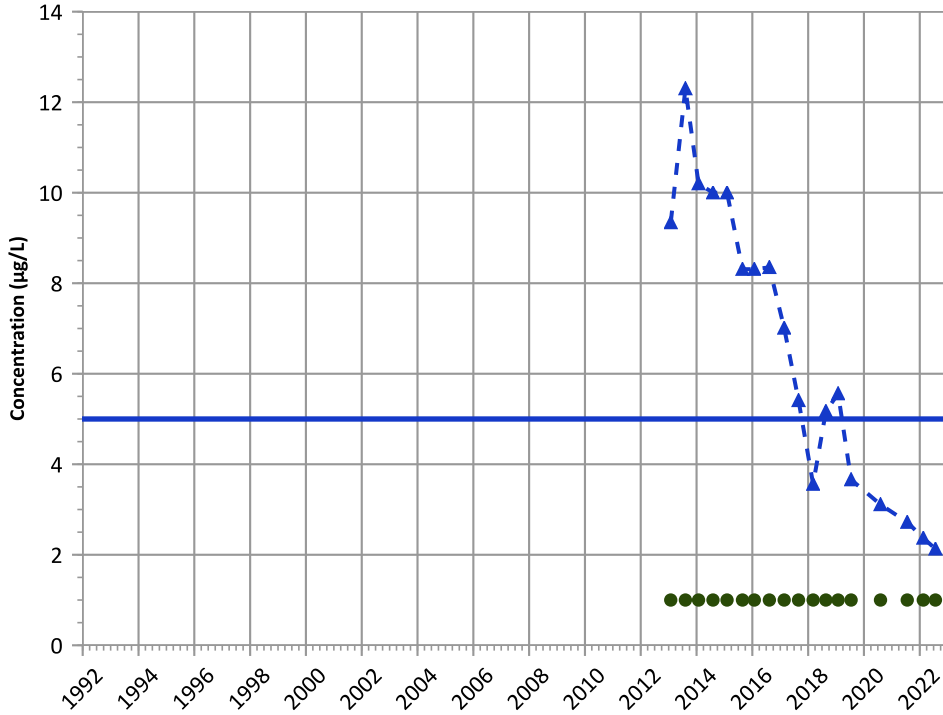
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

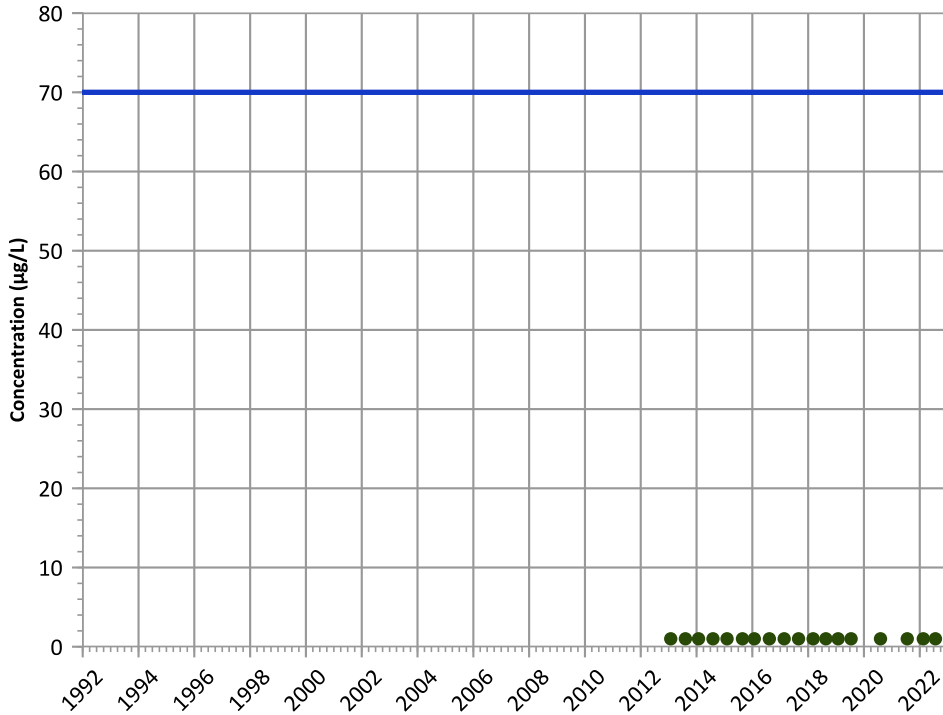


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

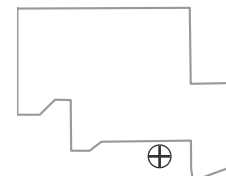
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

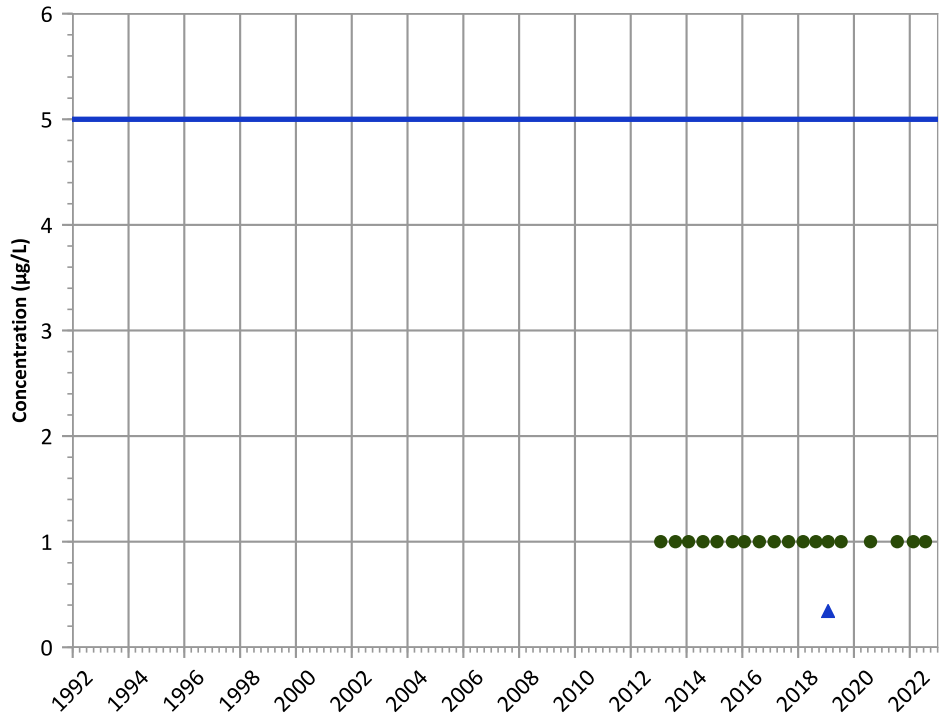
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

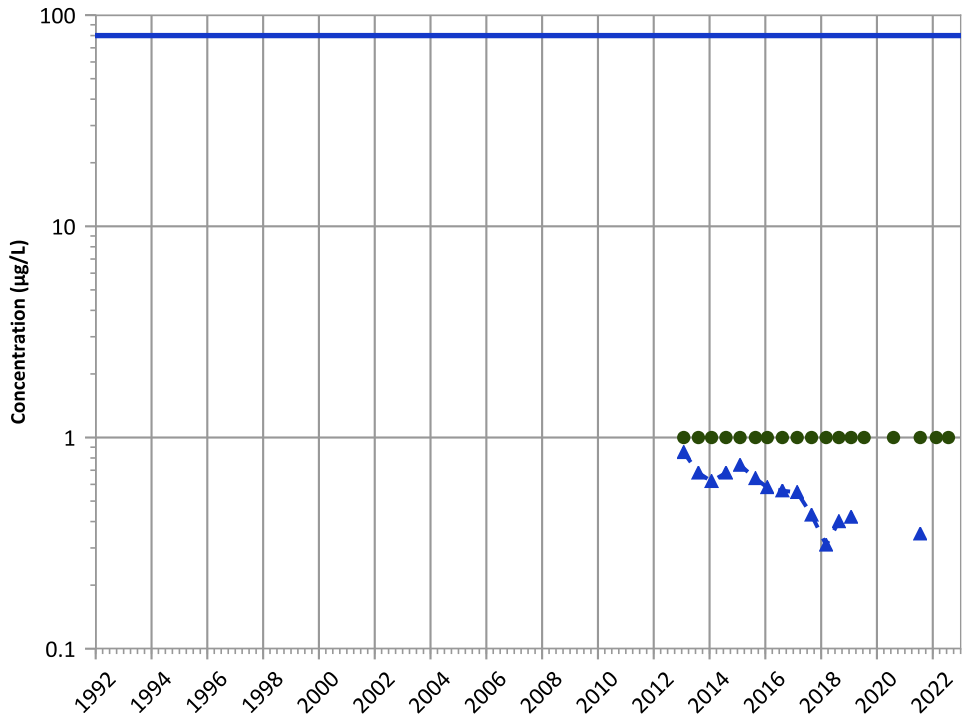


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chloroform Trend**

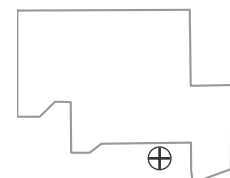


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Well Location**

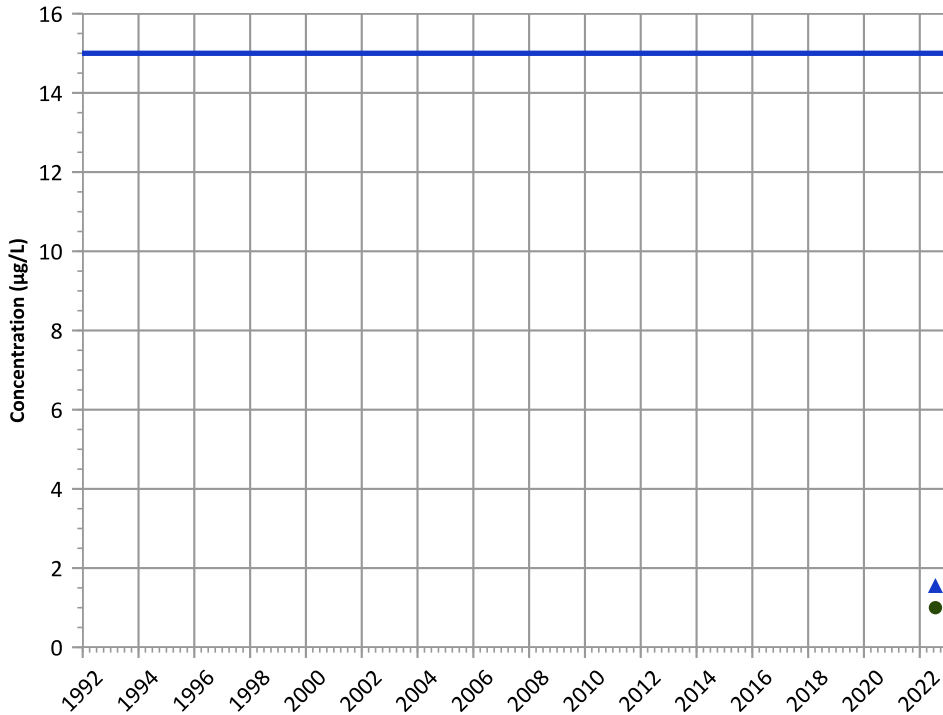


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**

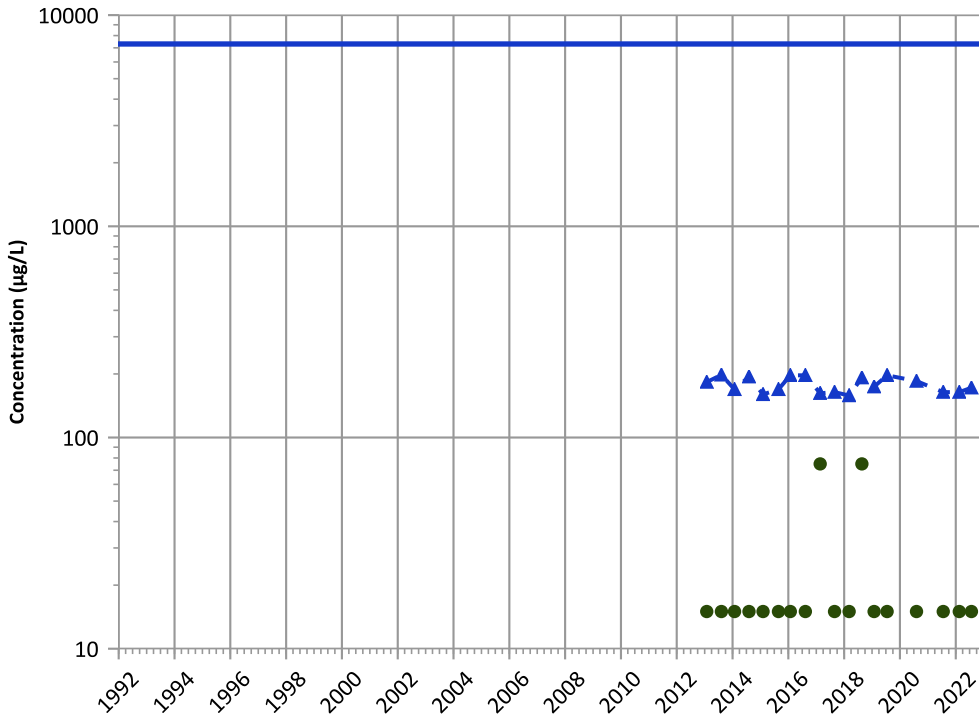


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

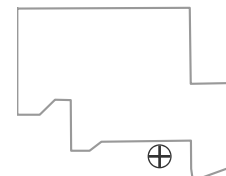
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

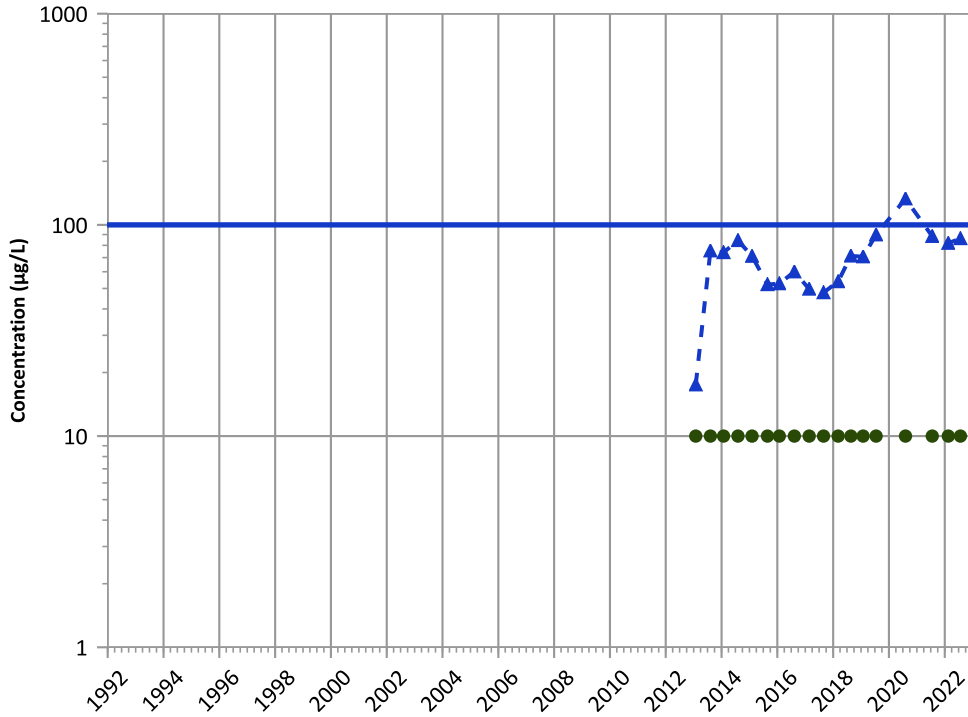
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

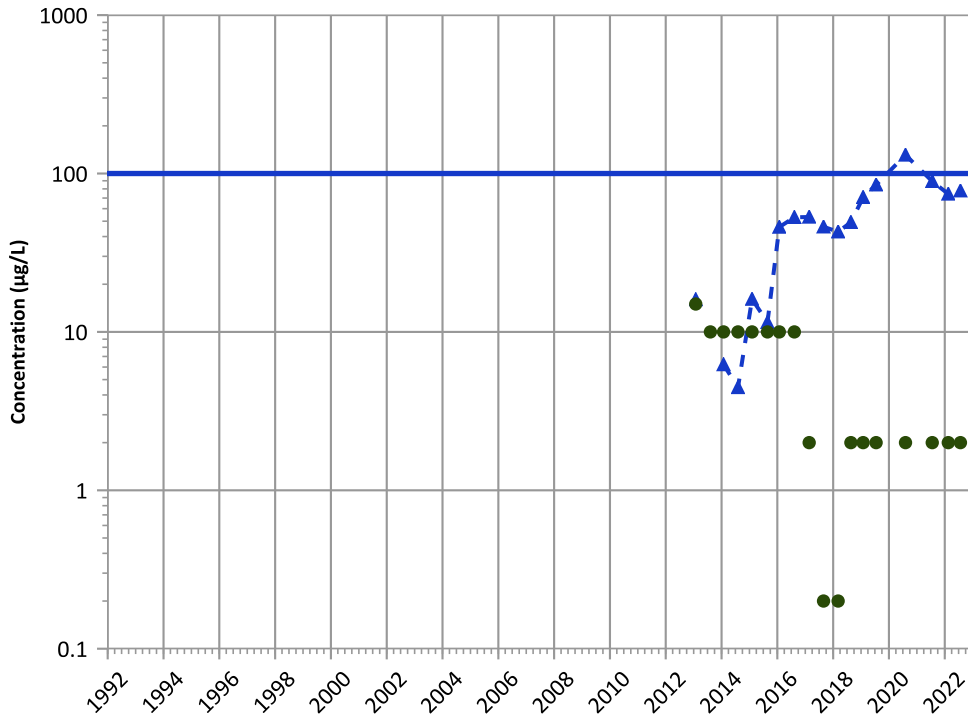


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

**Chromium, Hexavalent Trend**



**Concentration Trend**

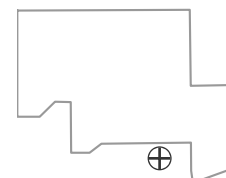
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

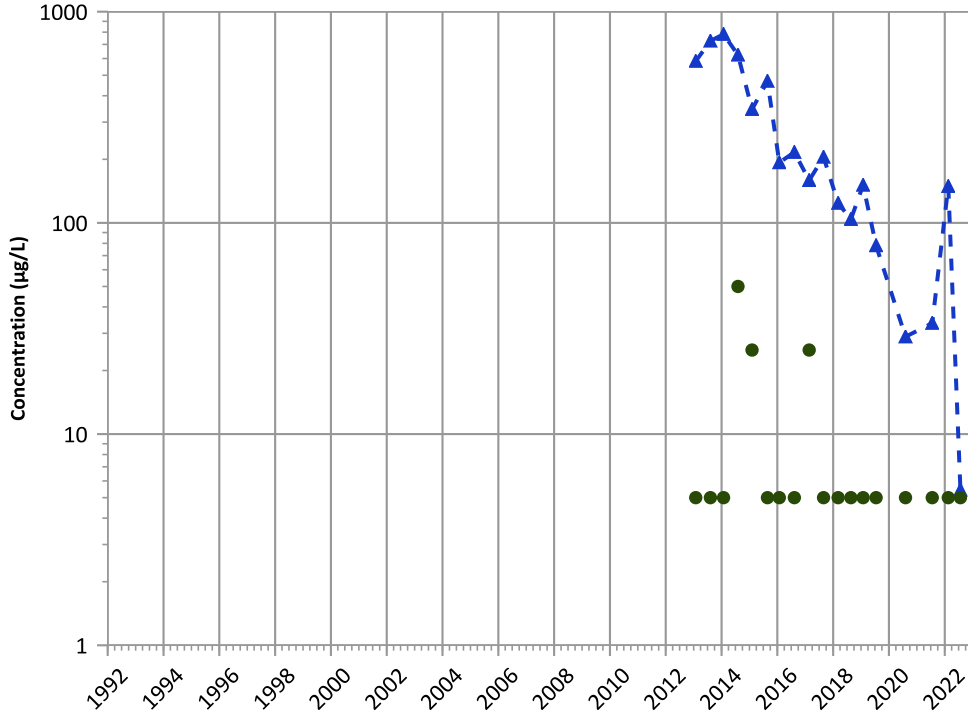
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

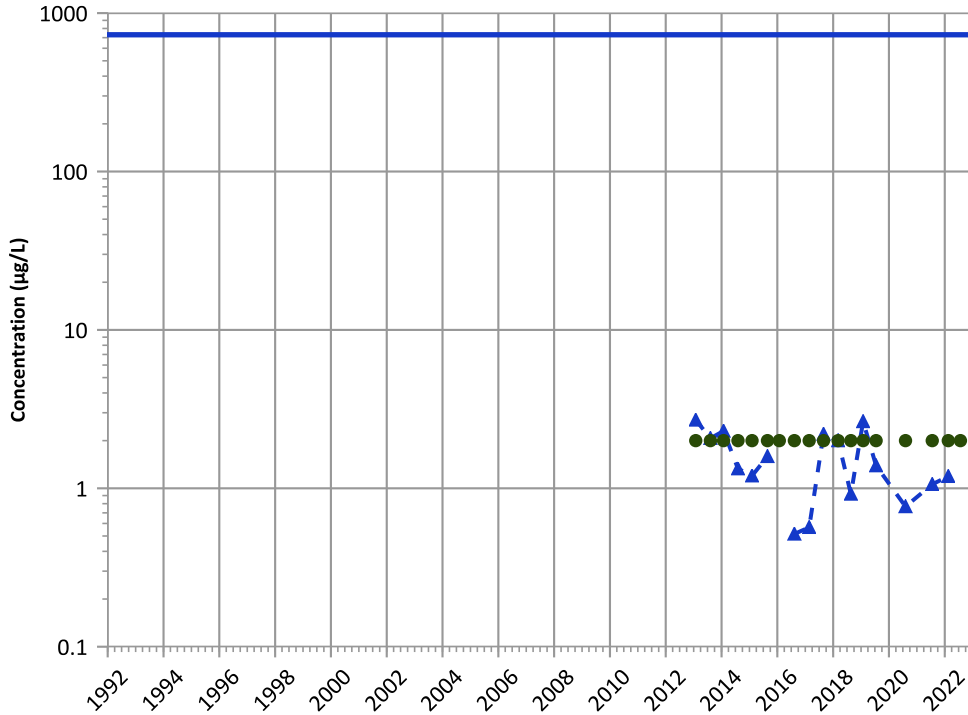
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

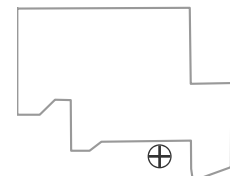
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Stable

Well Location

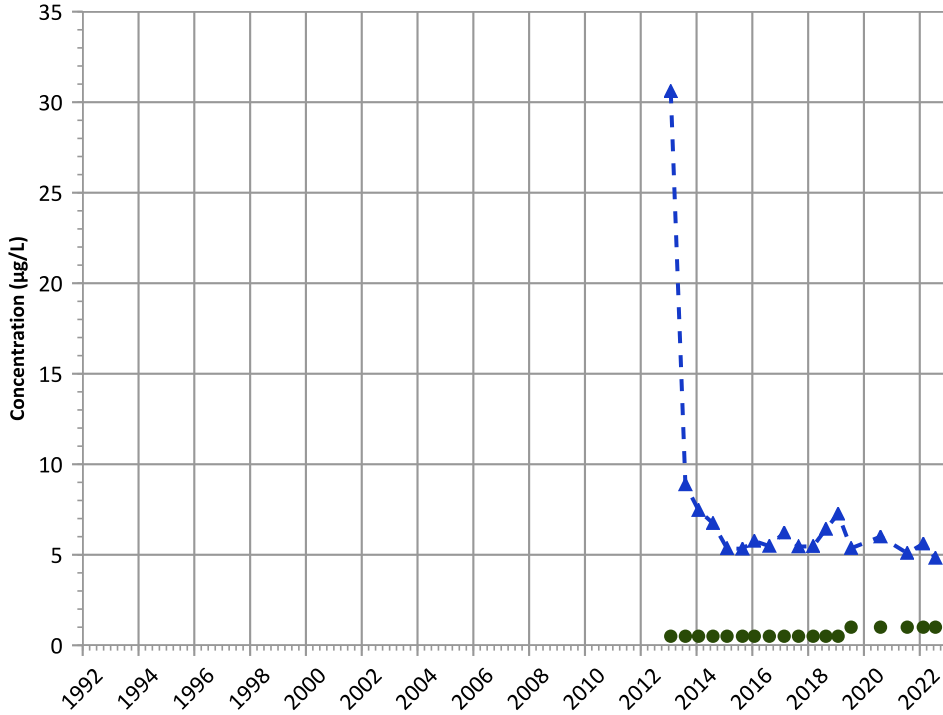


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

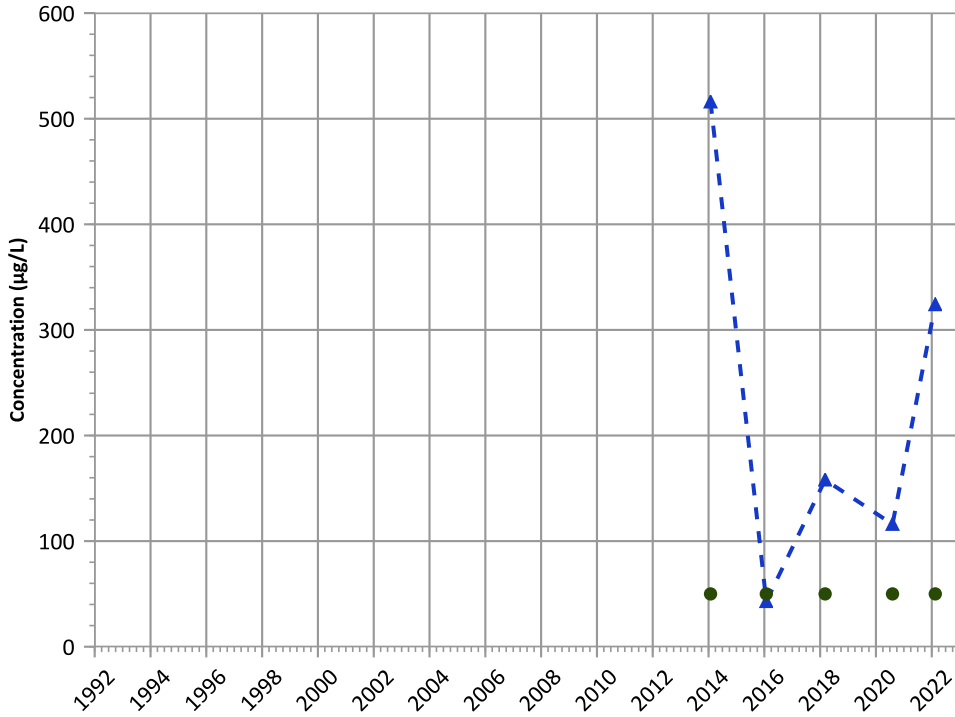


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

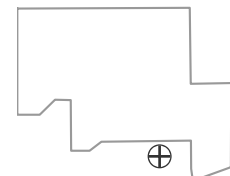
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

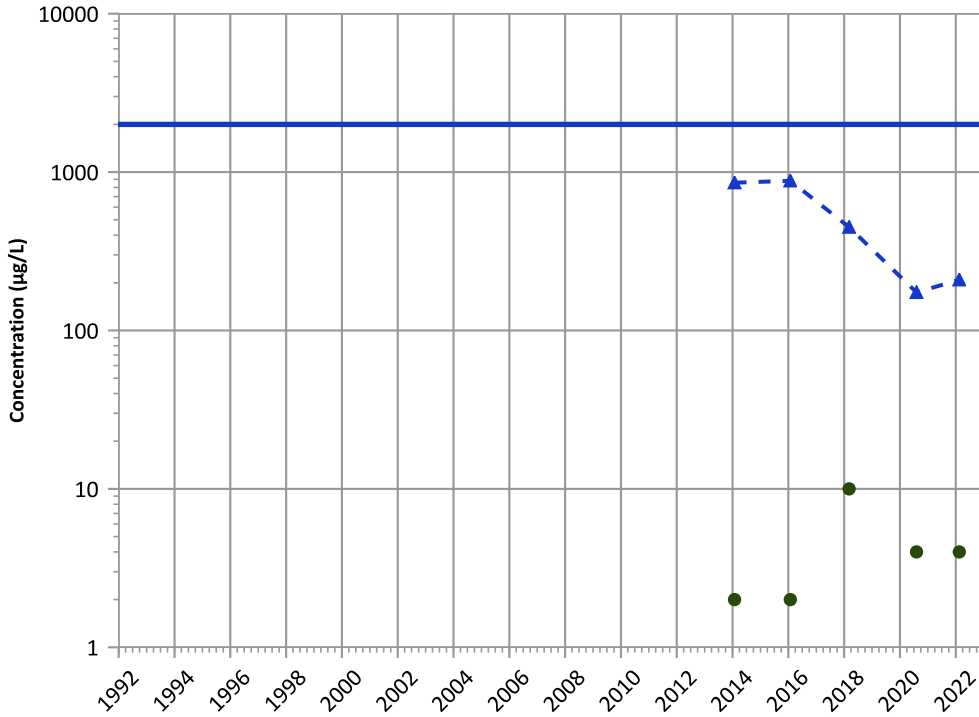
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

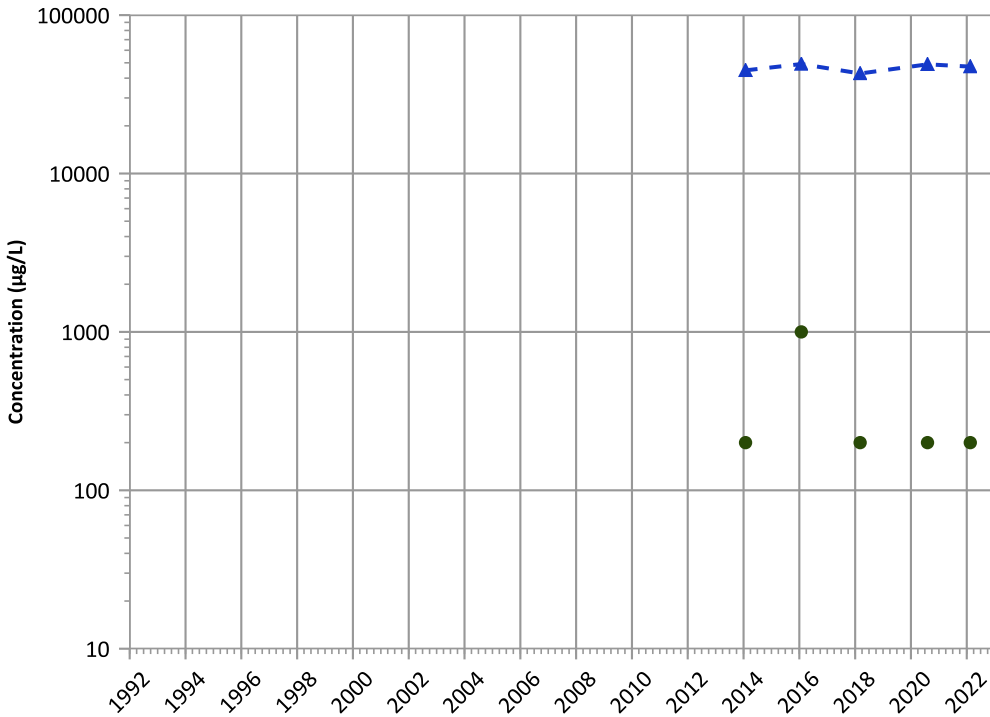


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Calcium Trend



Concentration Trend

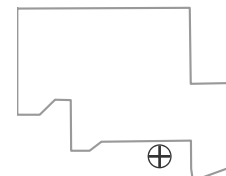
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

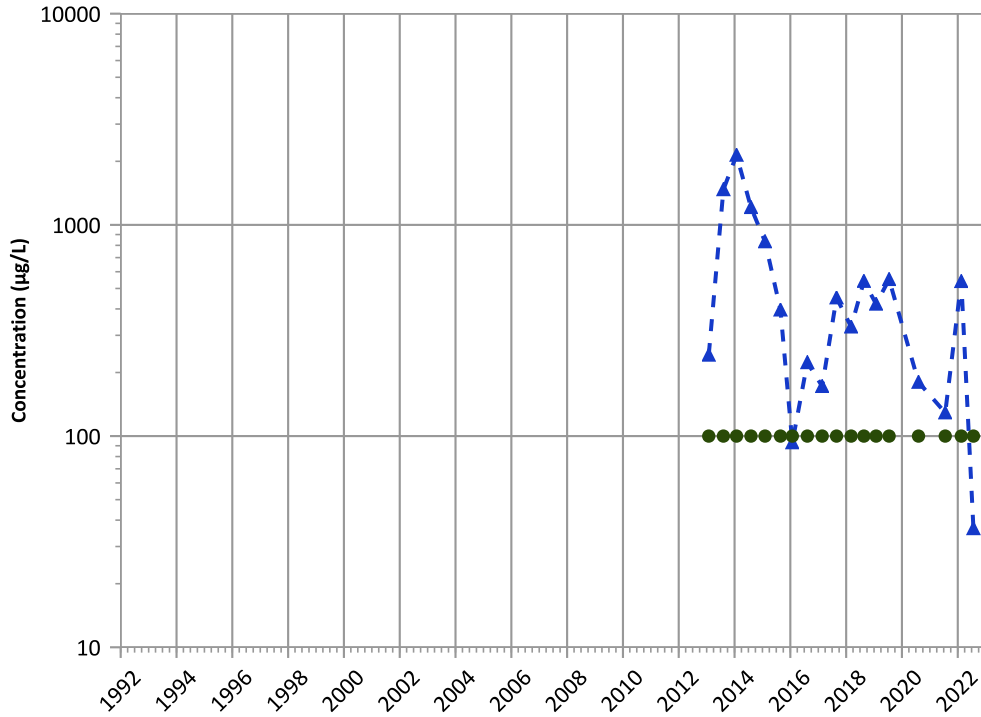
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

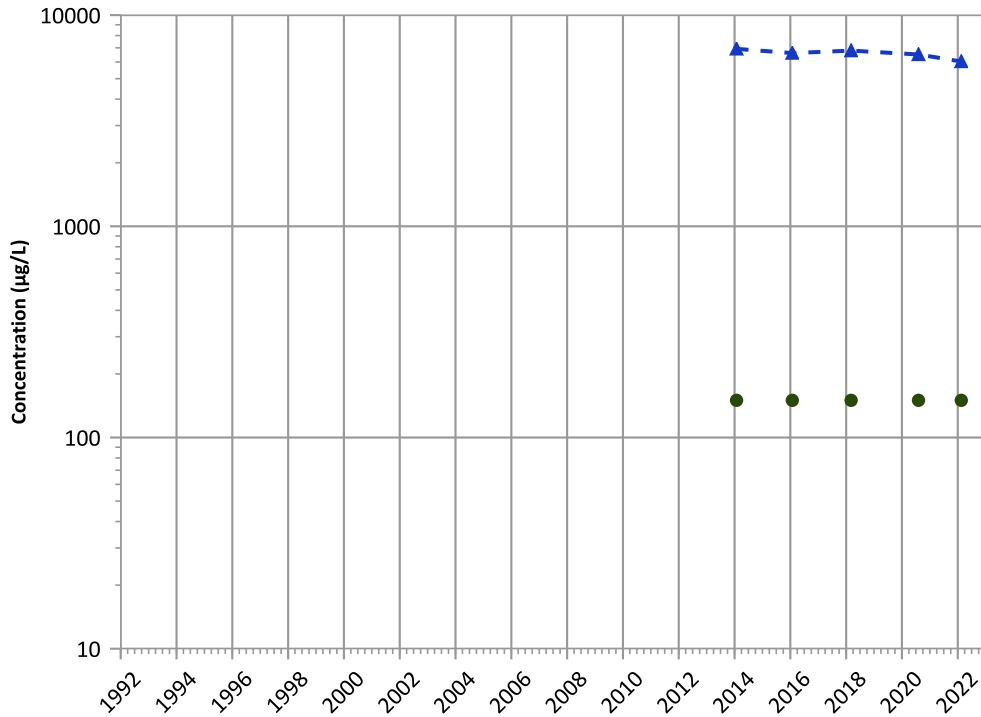


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

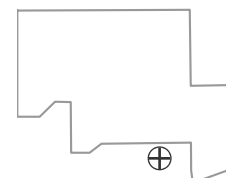
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

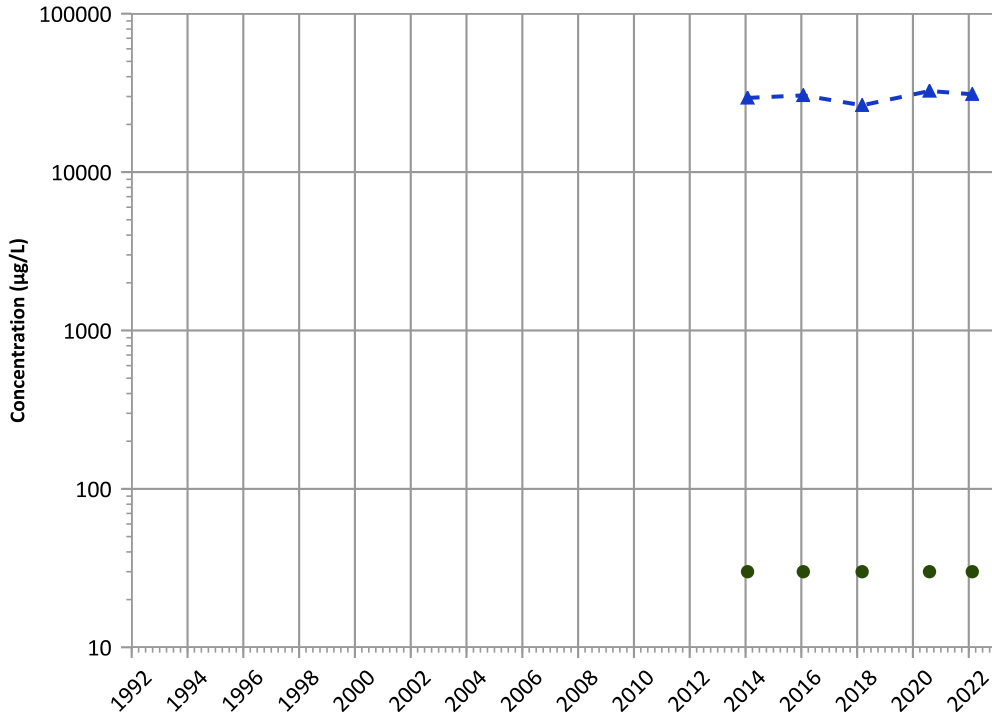
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

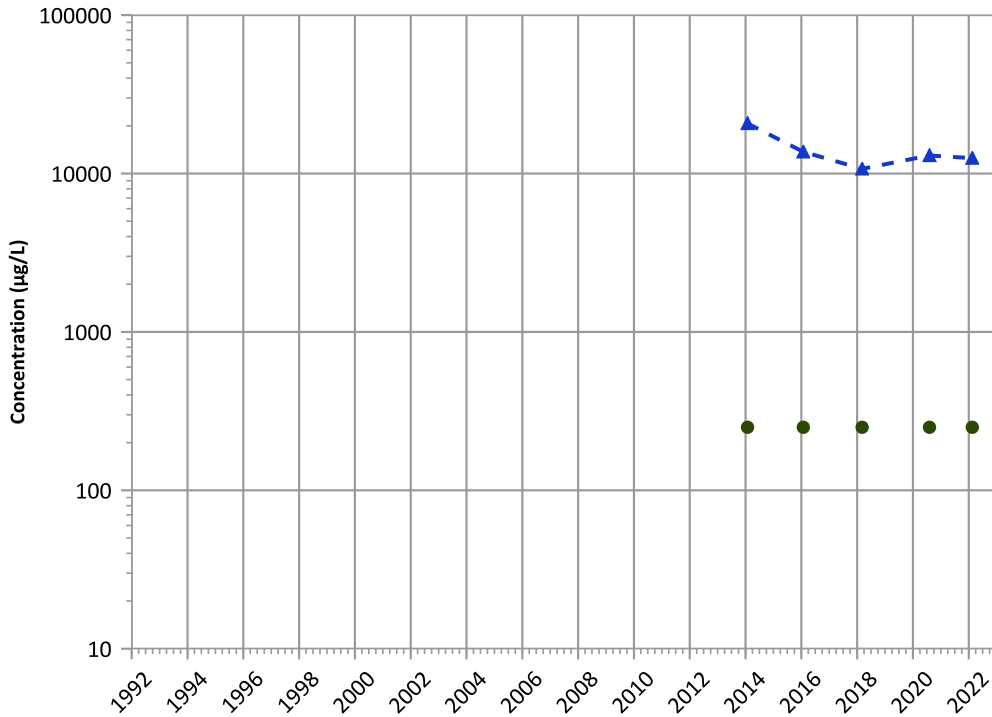
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

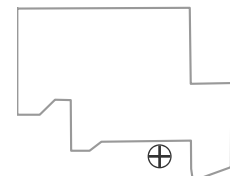
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

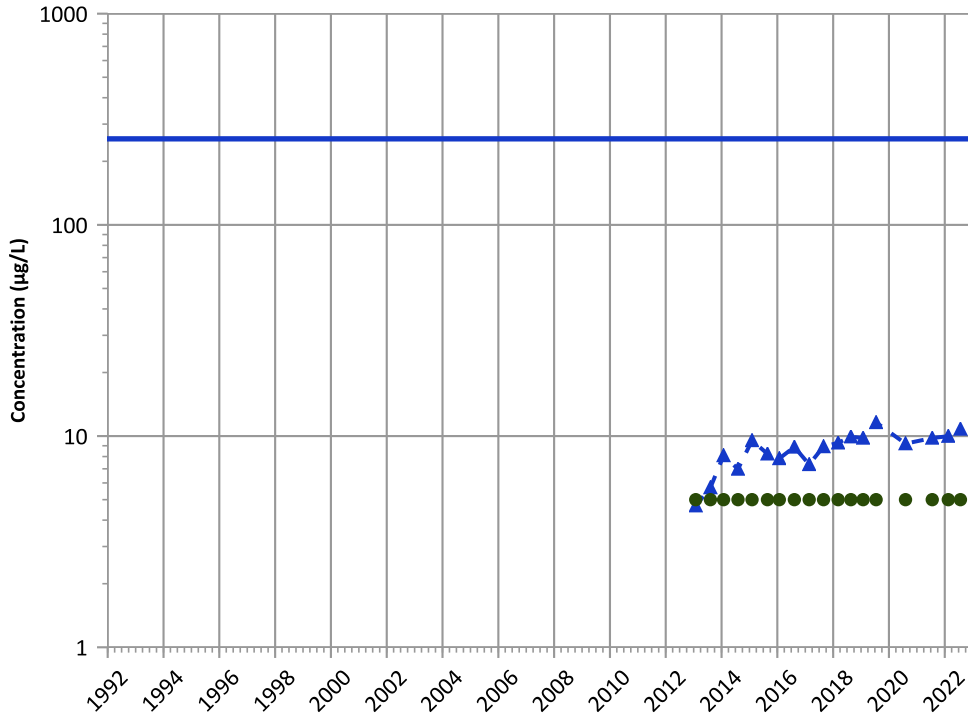
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1166 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):

Increasing  
2020 - 2022 Data:  
Increasing

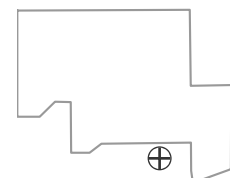
**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):

Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2013 to 11/29/2022  
Analysis Date: 04/27/2023

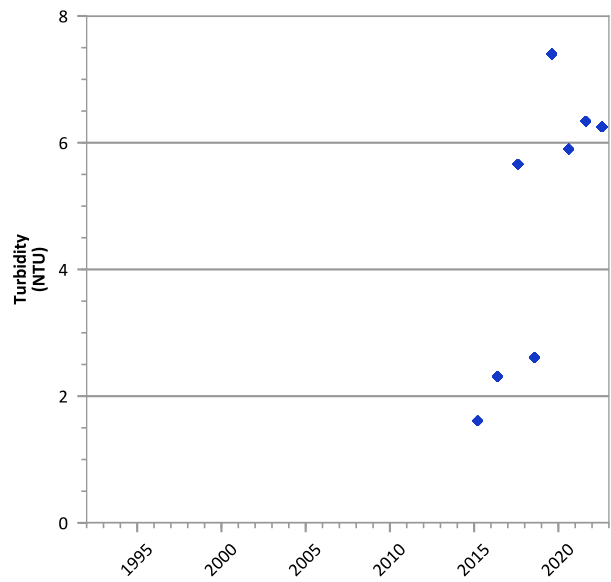
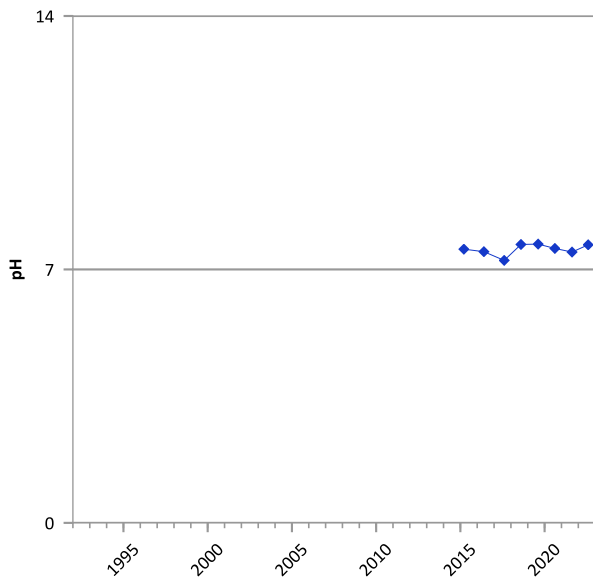
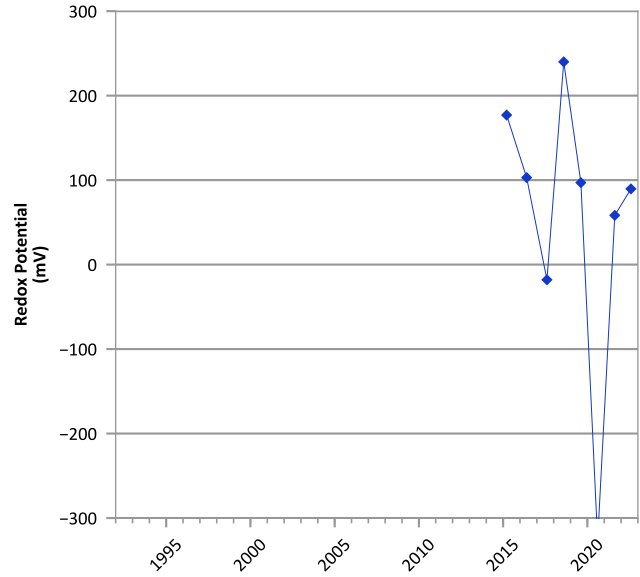
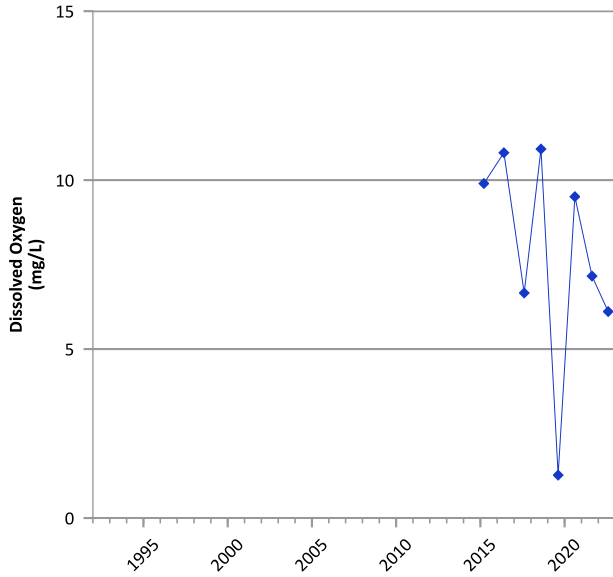
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



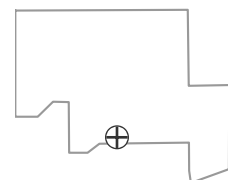


**PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



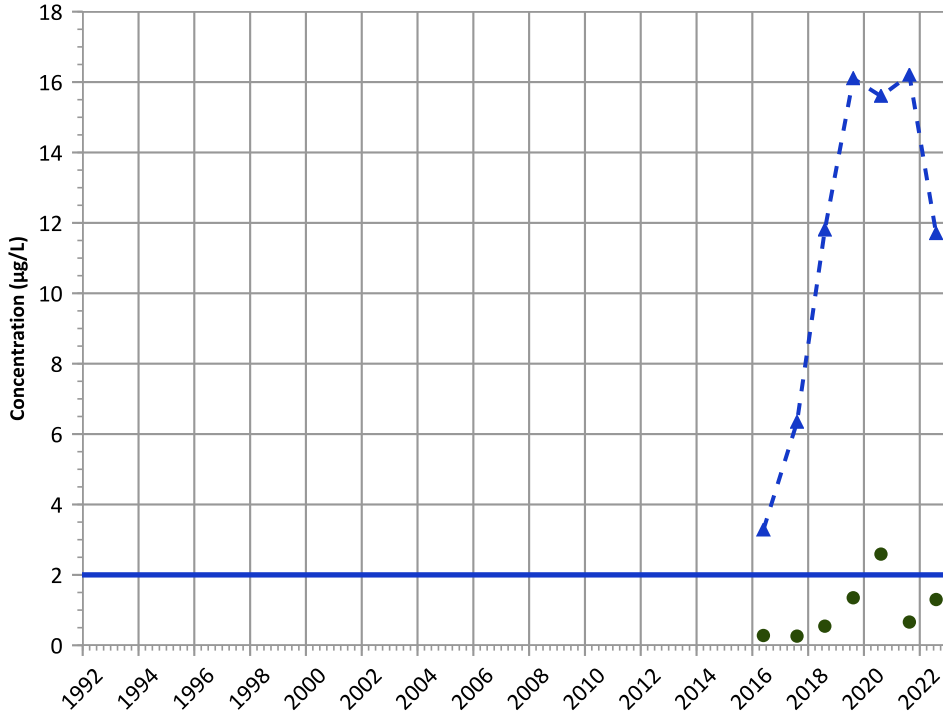
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 03/18/2015 to 08/03/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

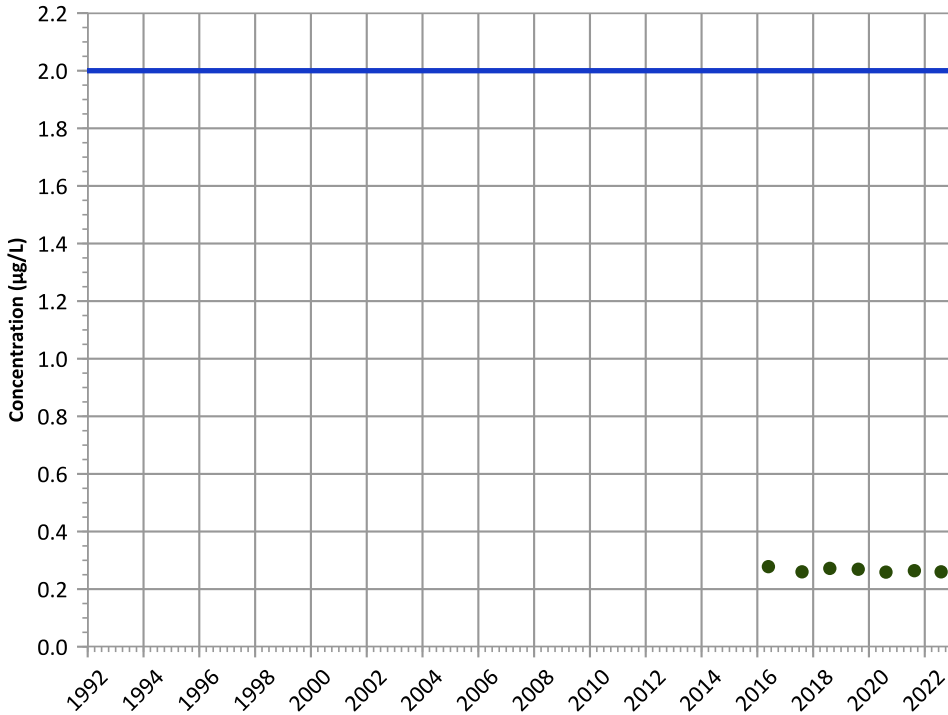


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

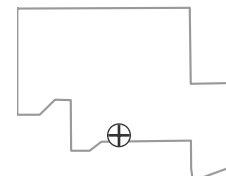
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

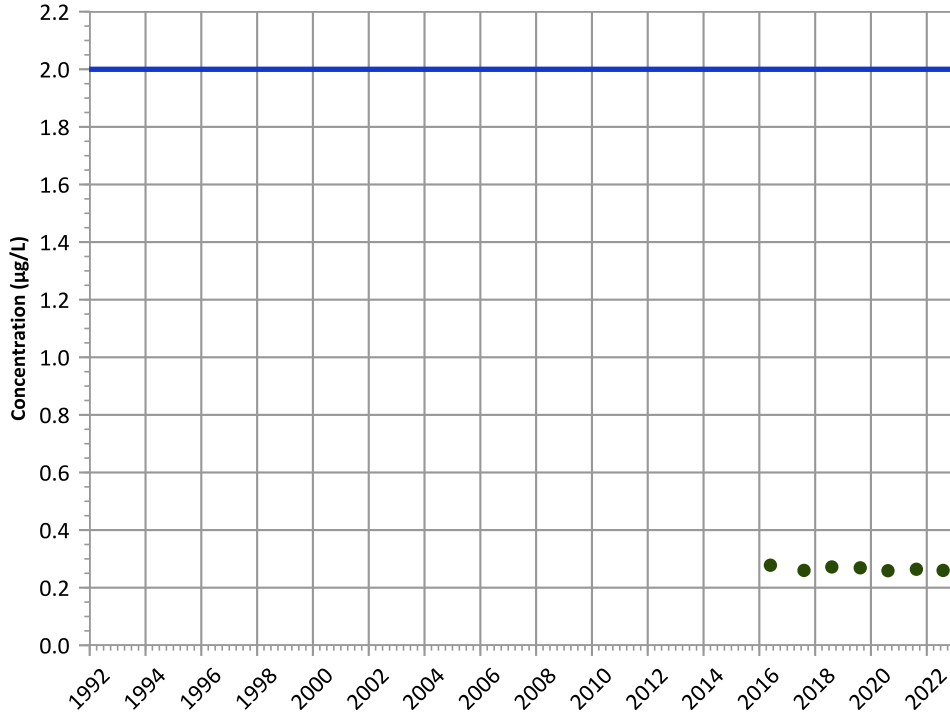
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

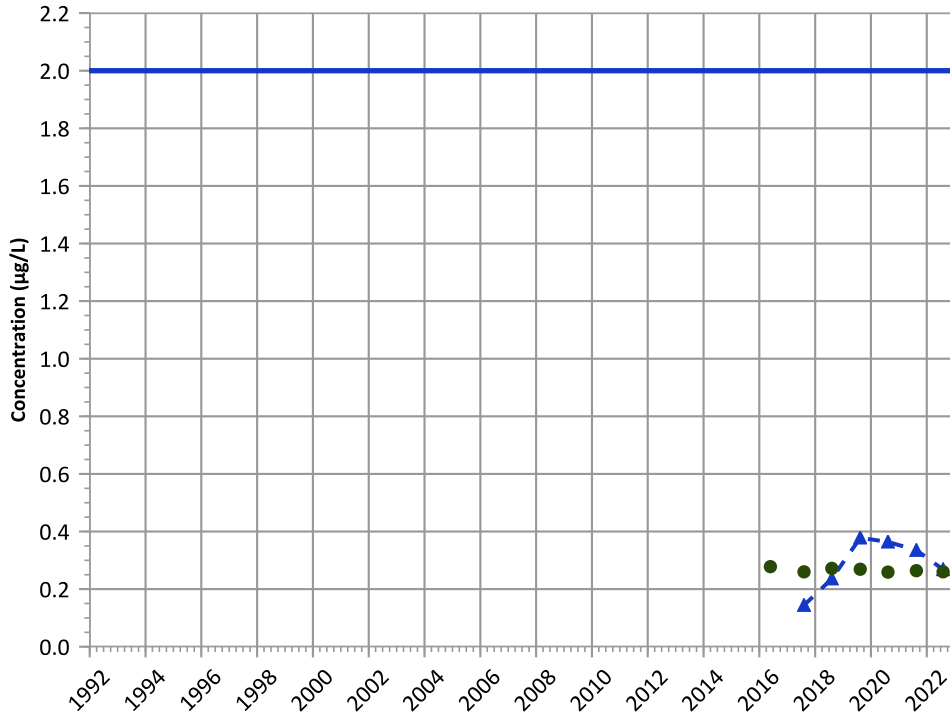


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

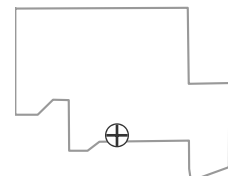
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

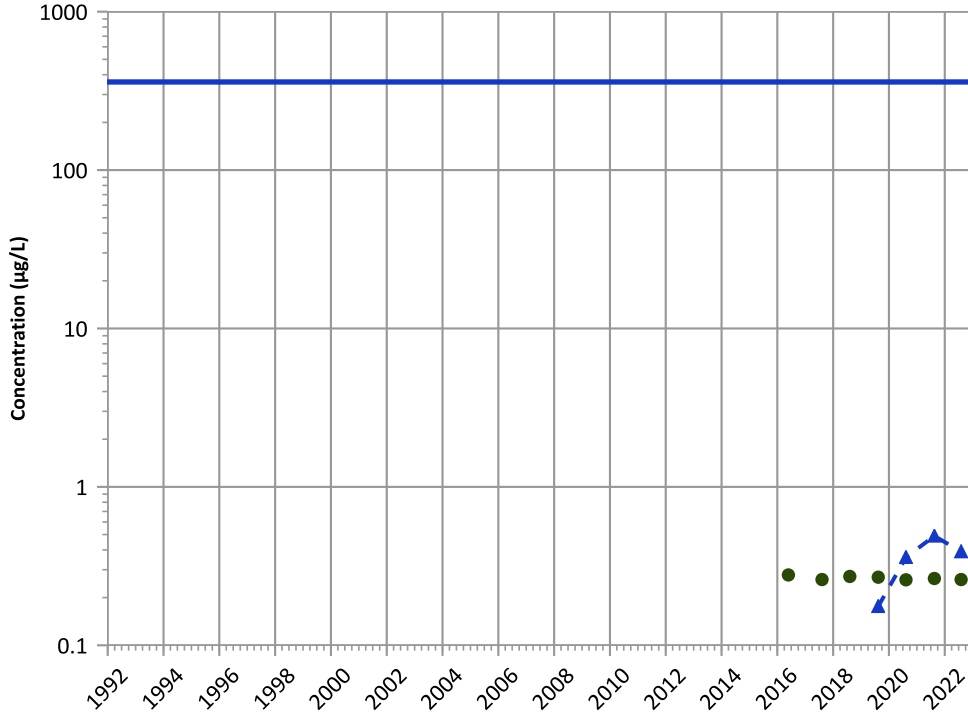
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

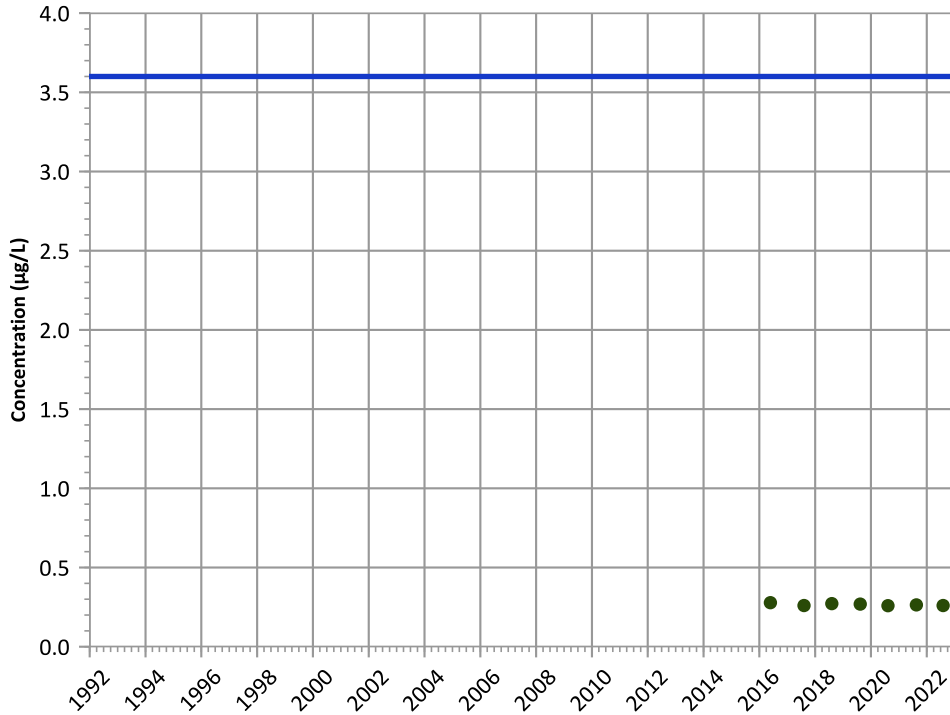


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

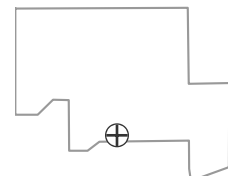
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

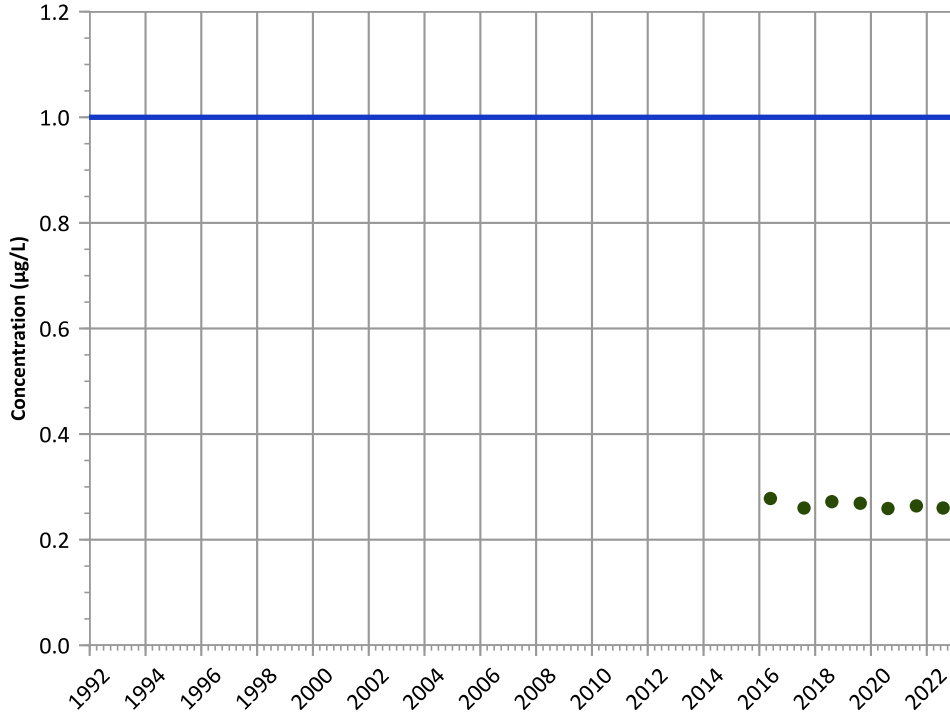
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

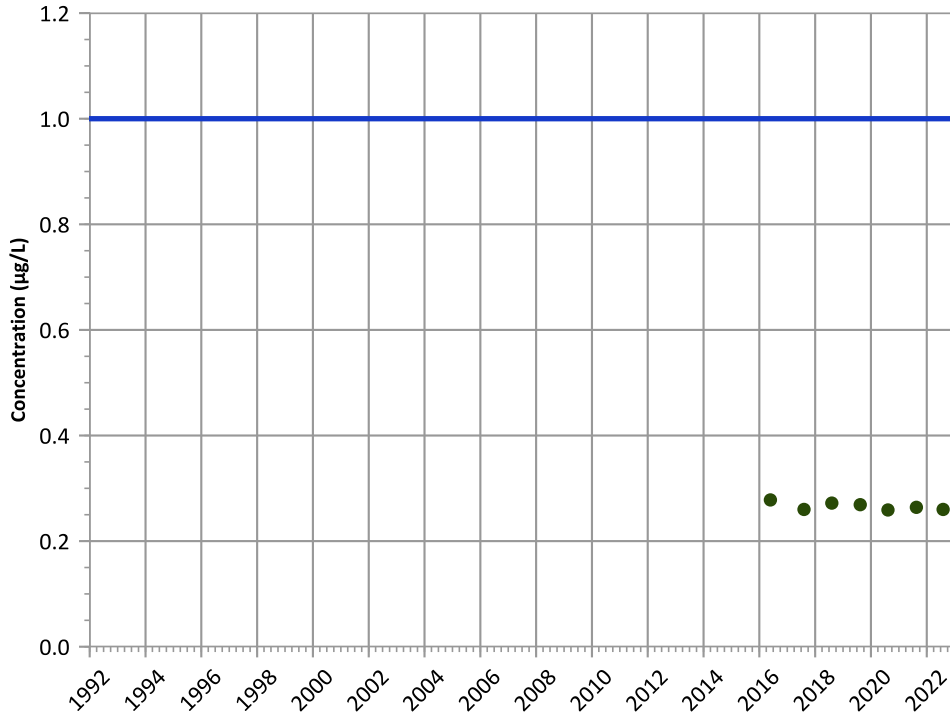
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

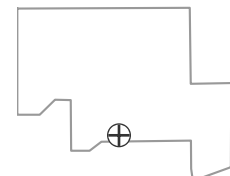
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

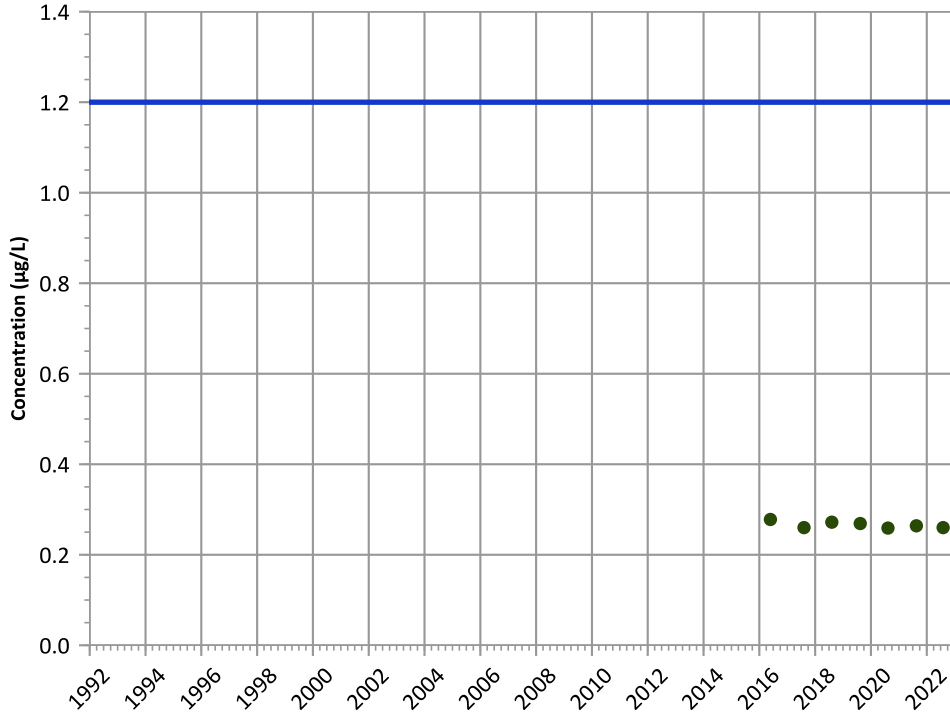


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

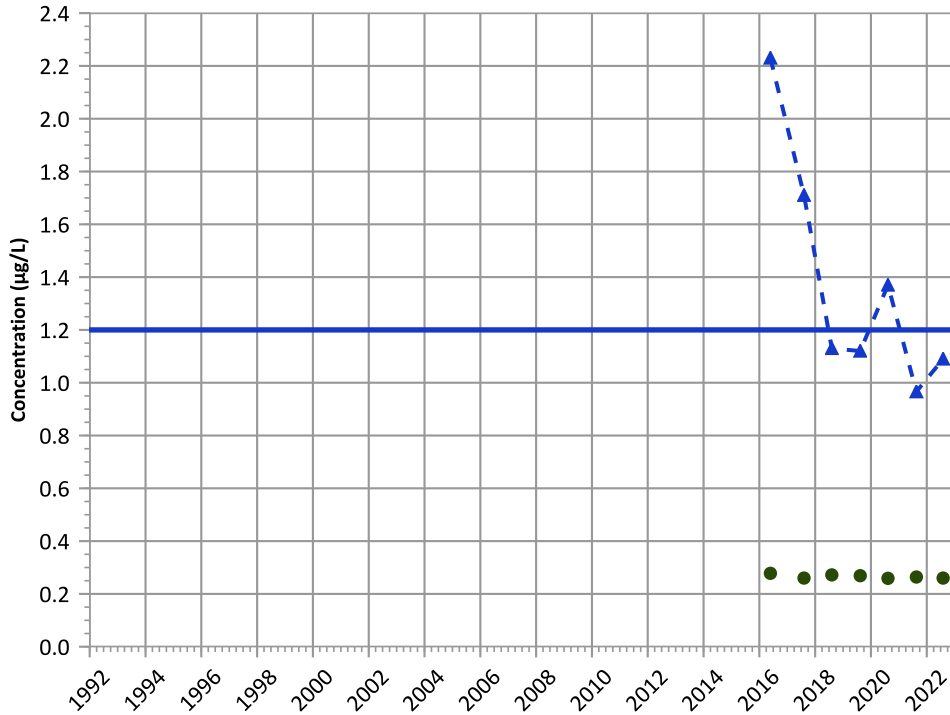
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

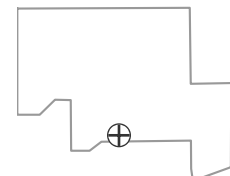
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 03/18/2015 to 08/03/2022

Analysis Date: 04/27/2023

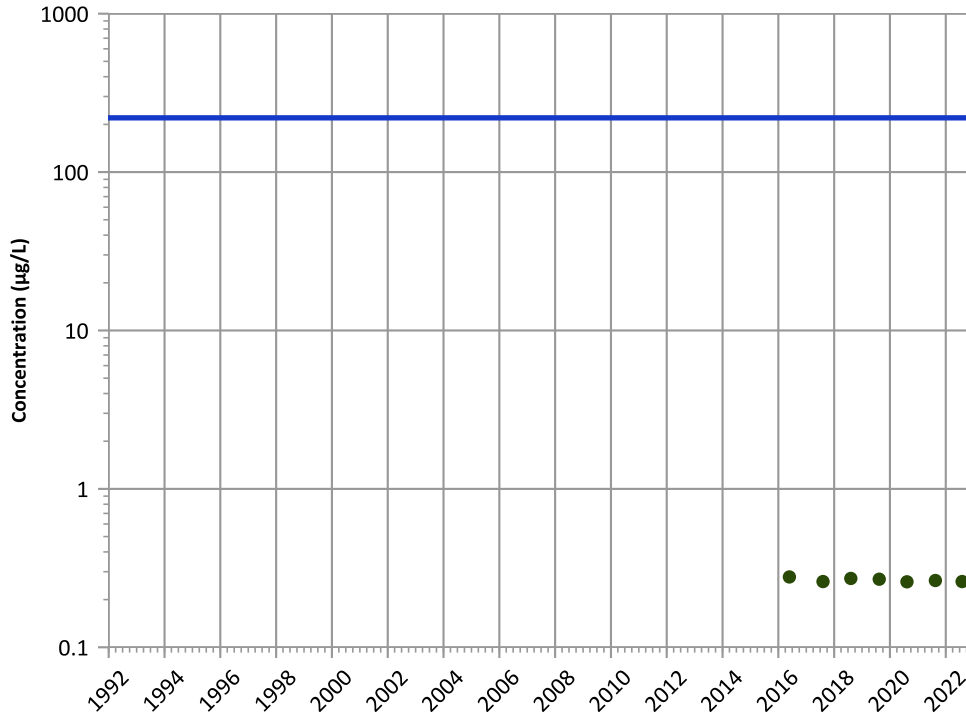
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

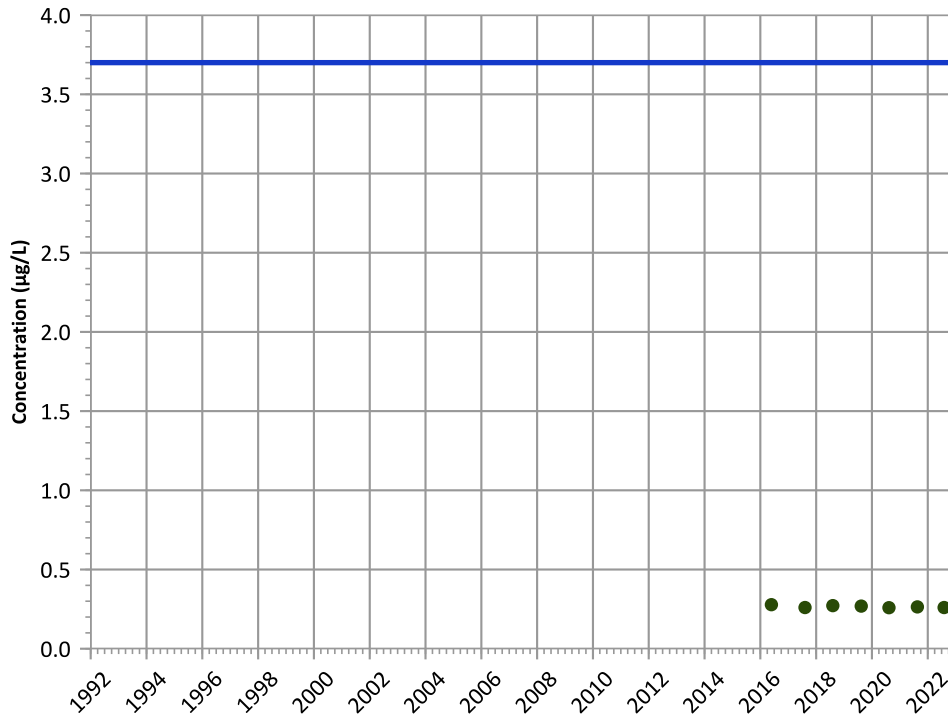


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

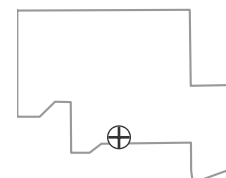
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

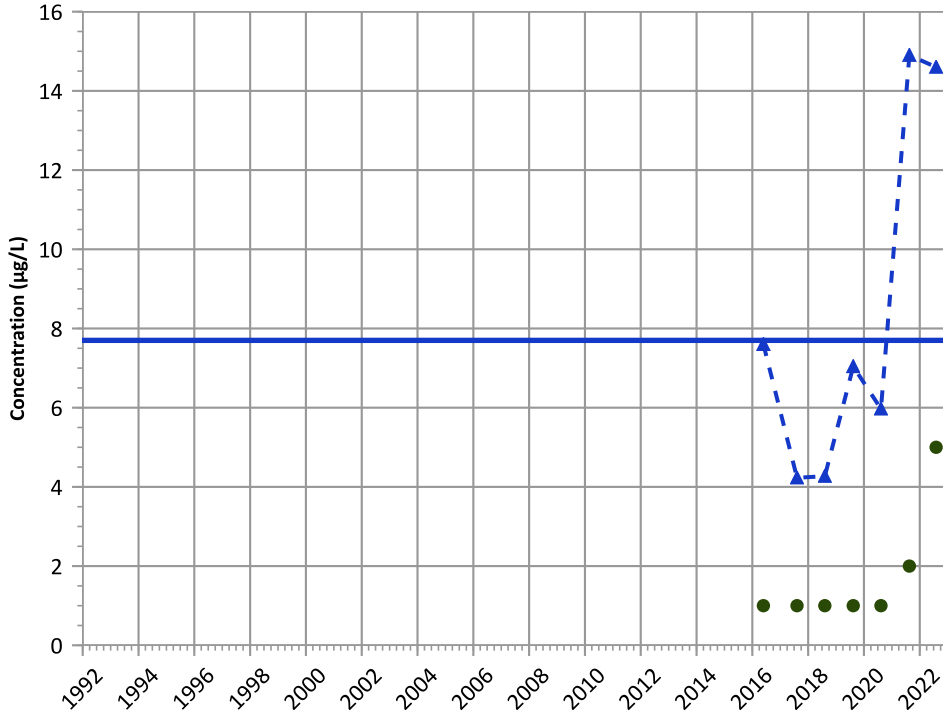
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

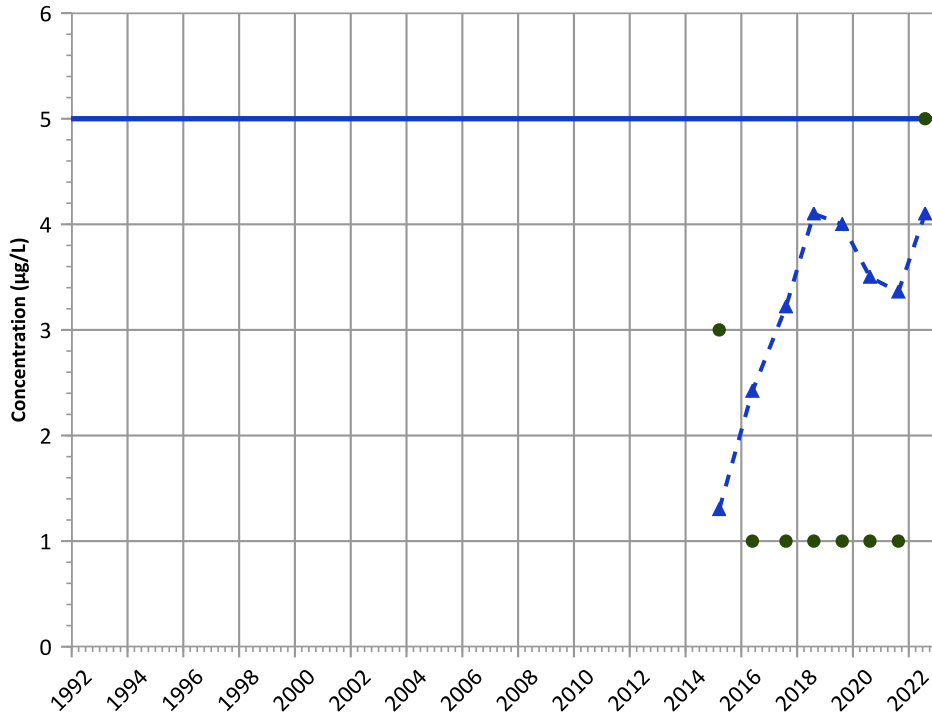


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Tetrachloroethylene (PCE) Trend

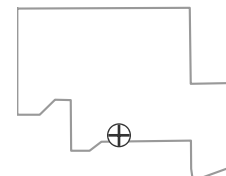


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Well Location



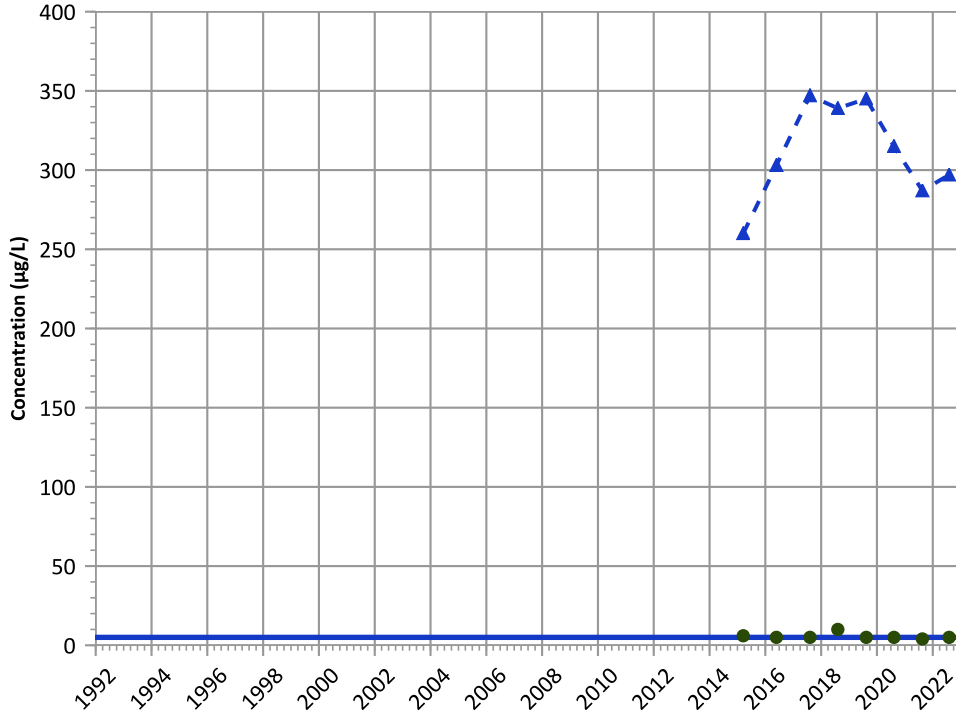
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

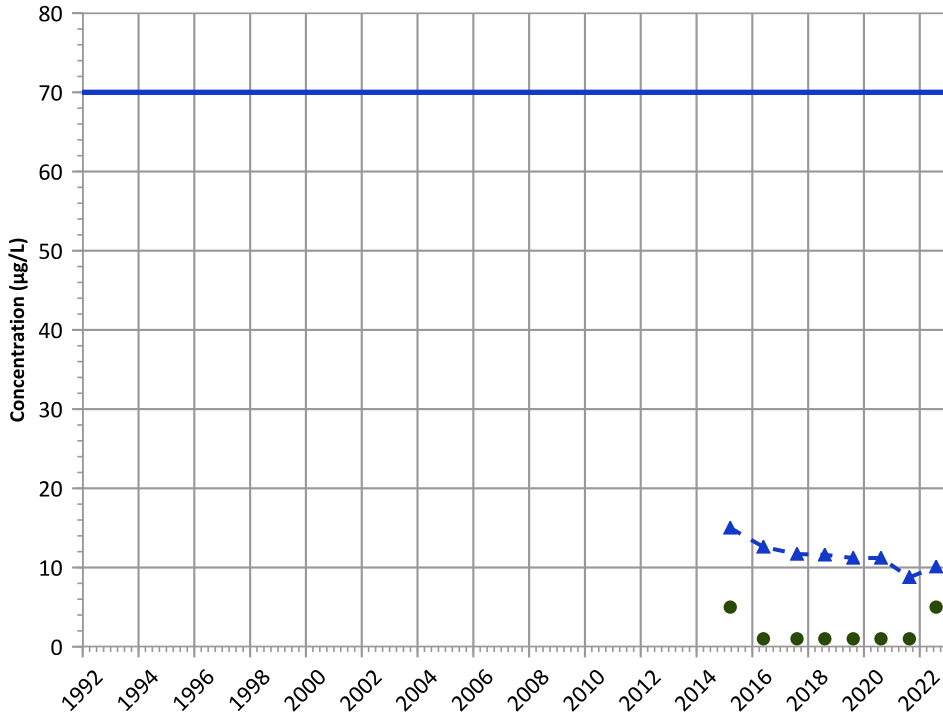


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

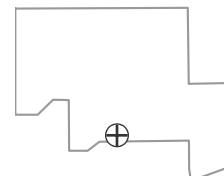
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

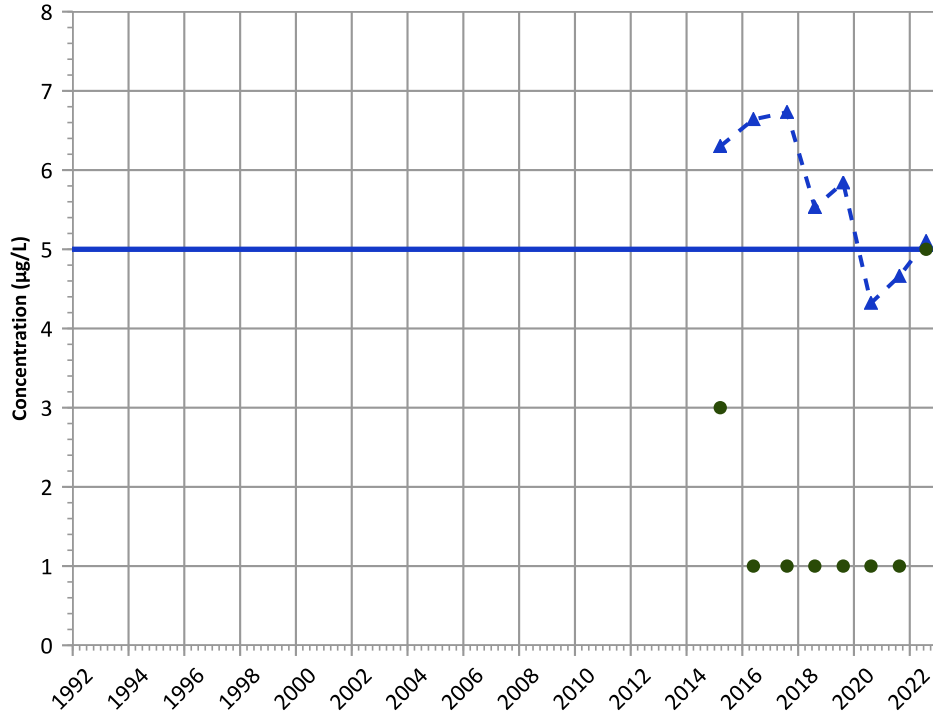
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

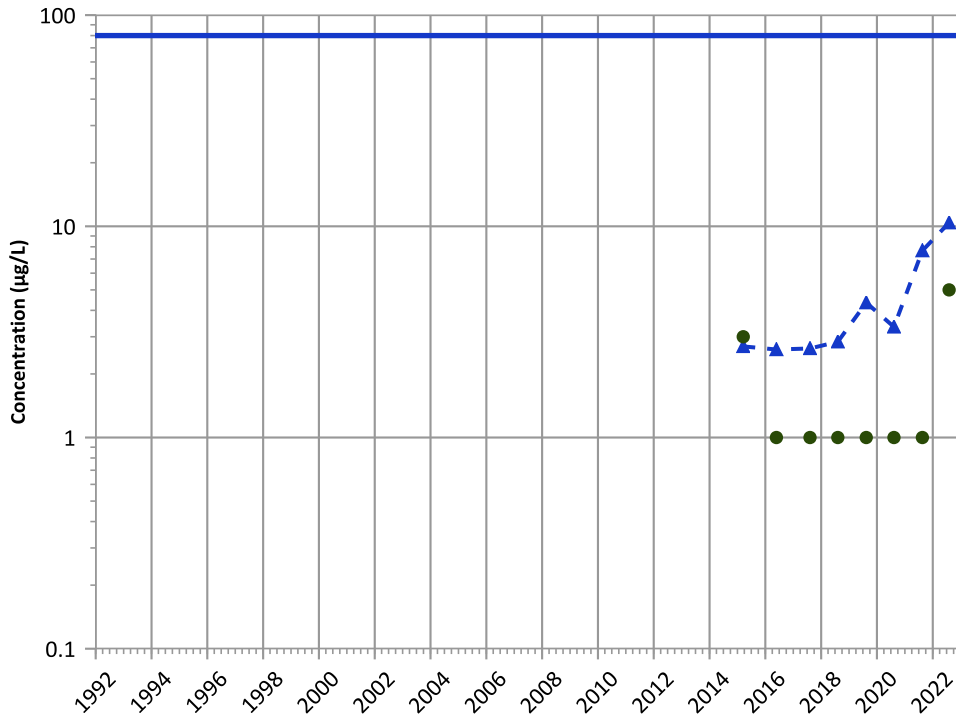


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

**Chloroform Trend**



**Concentration Trend**

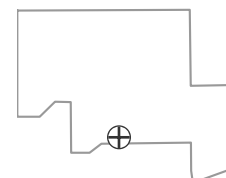
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

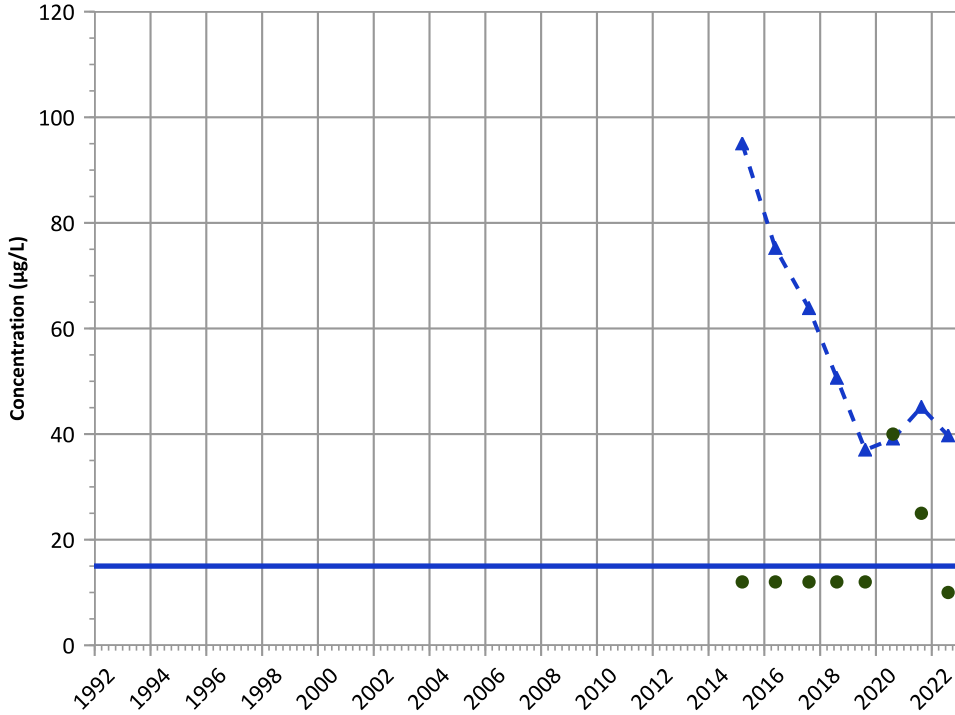
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

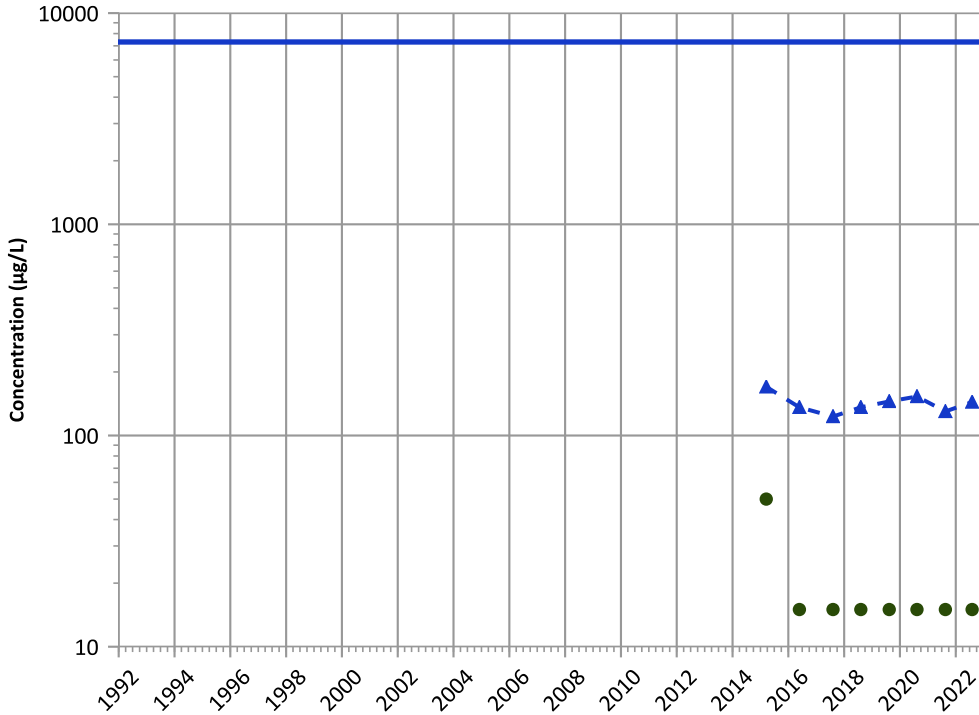
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

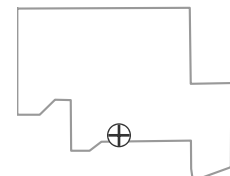
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Well Location

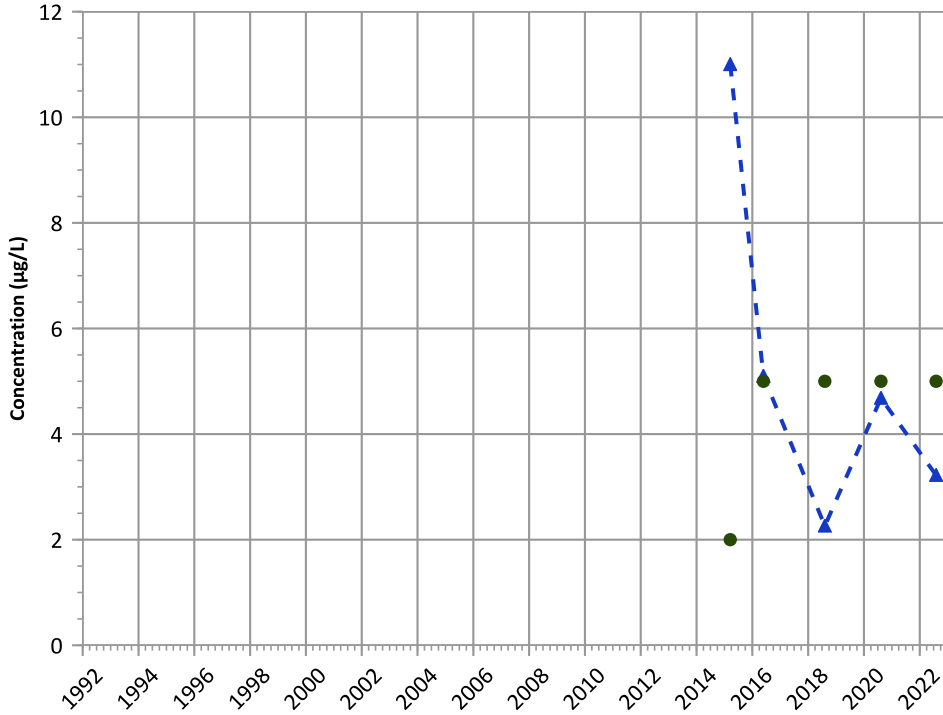


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

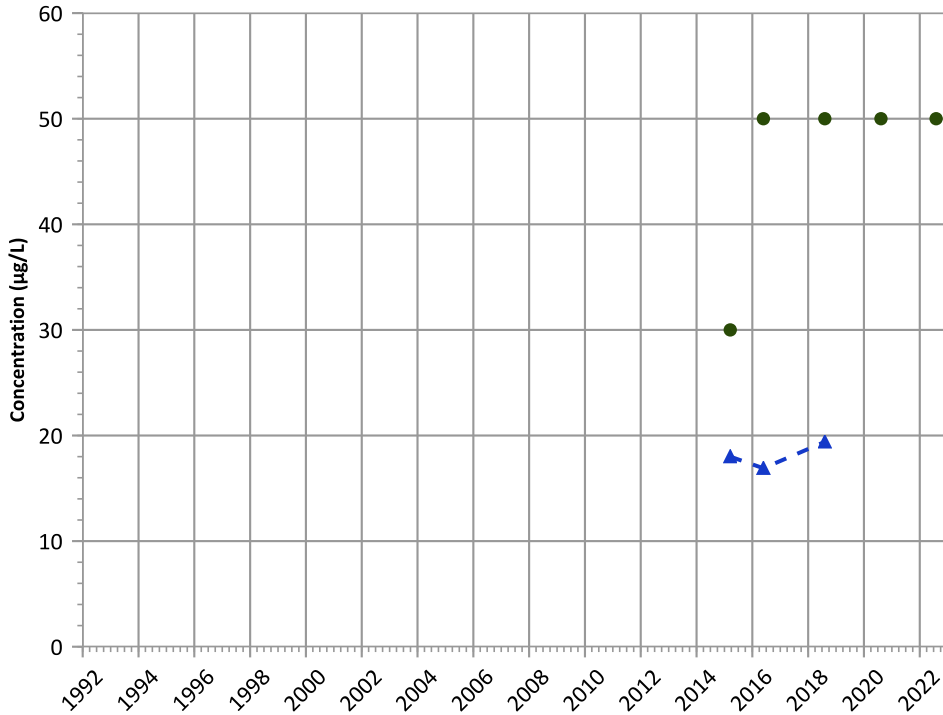


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Aluminum Trend

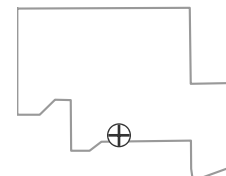


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

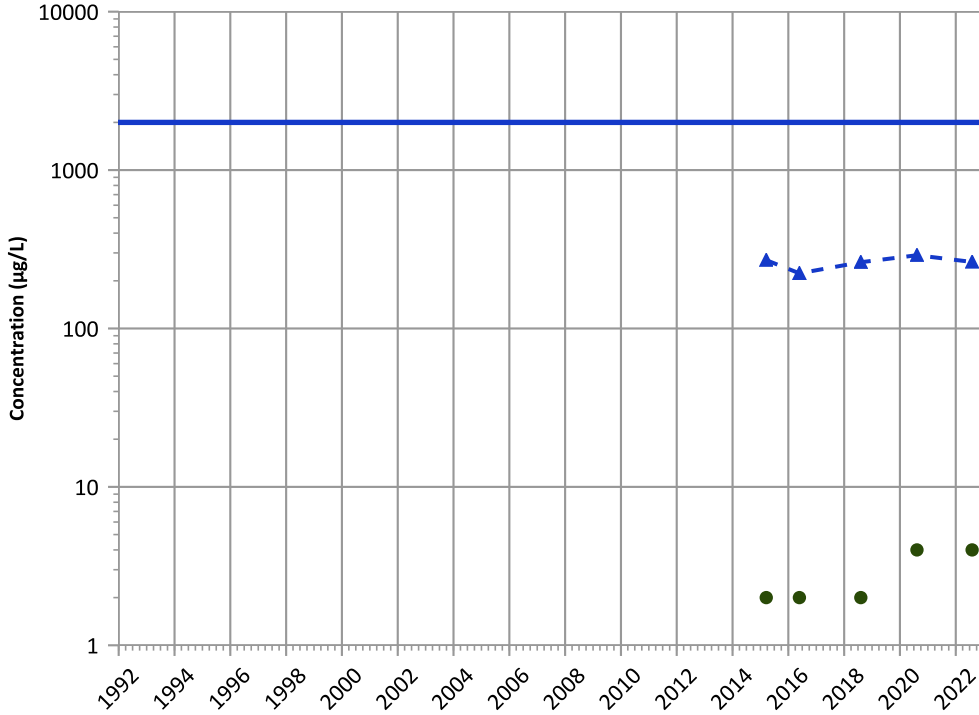


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

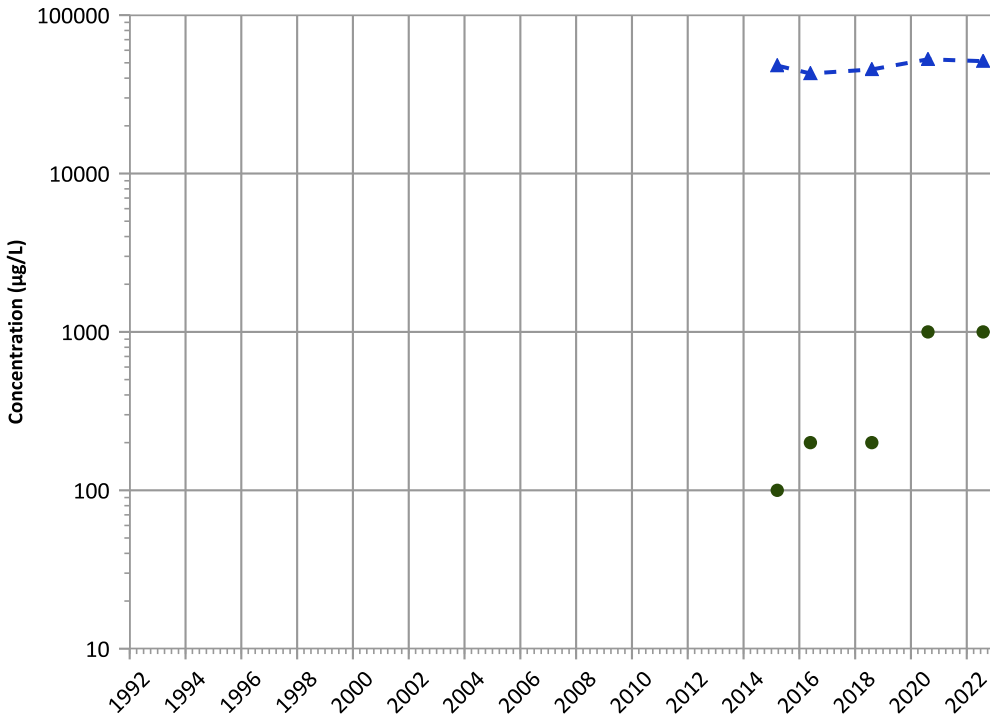


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

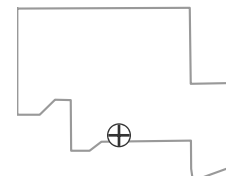
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

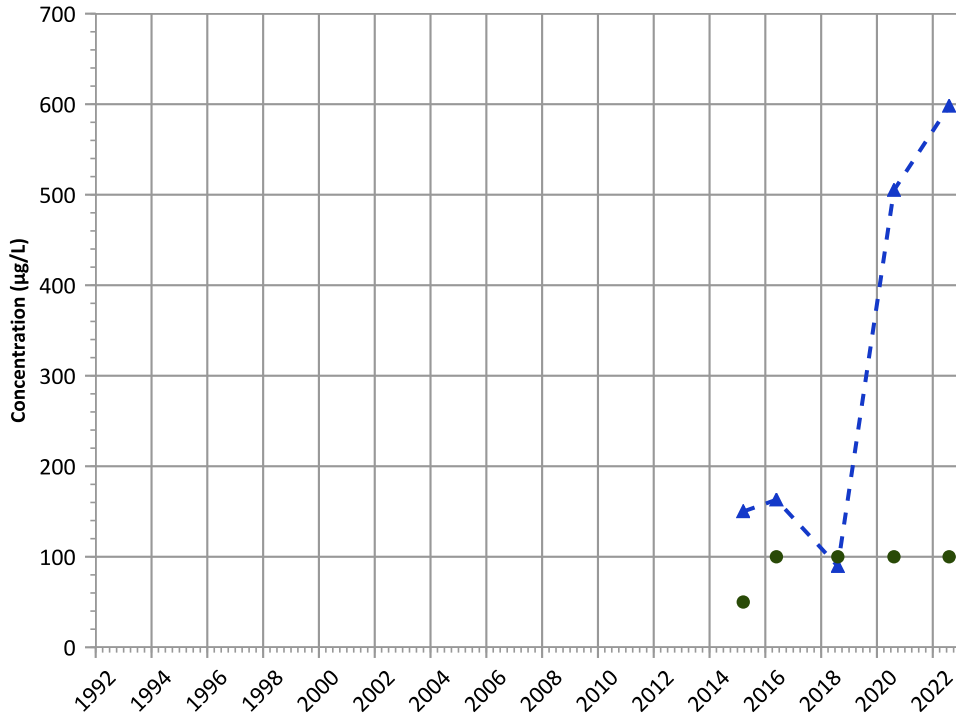
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

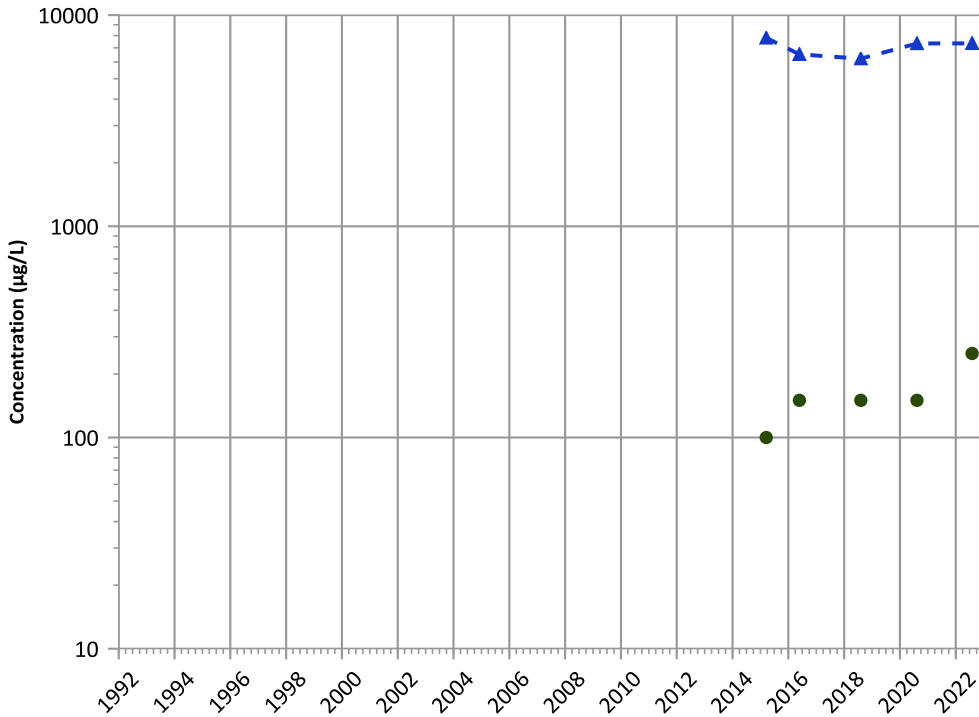


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Potassium Trend



Concentration Trend

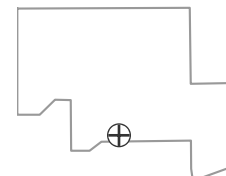
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

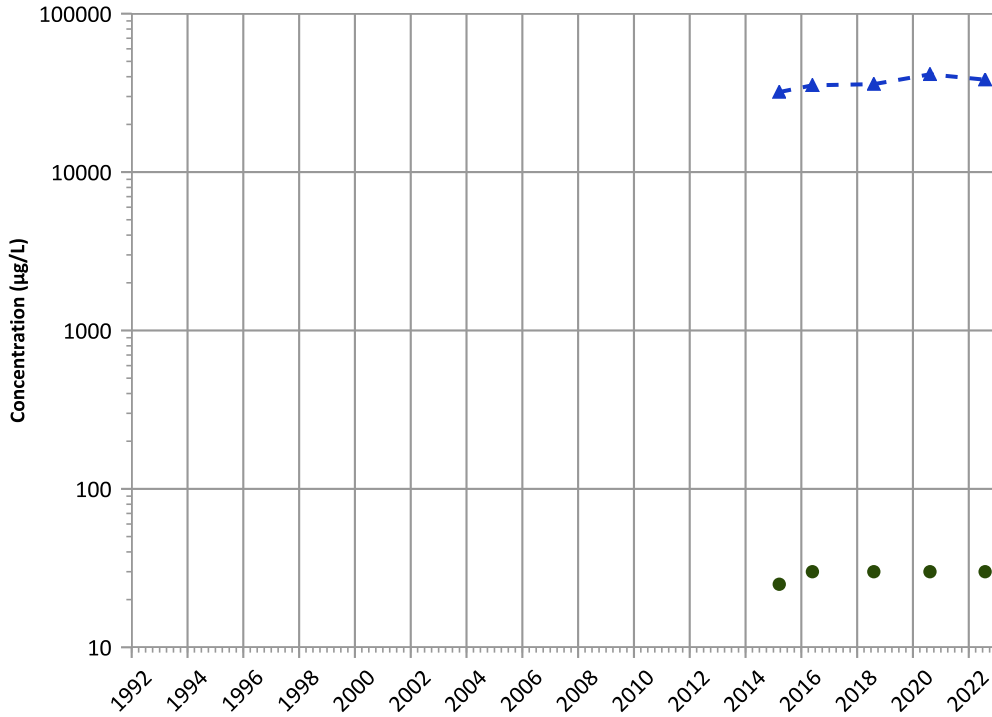
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1171 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

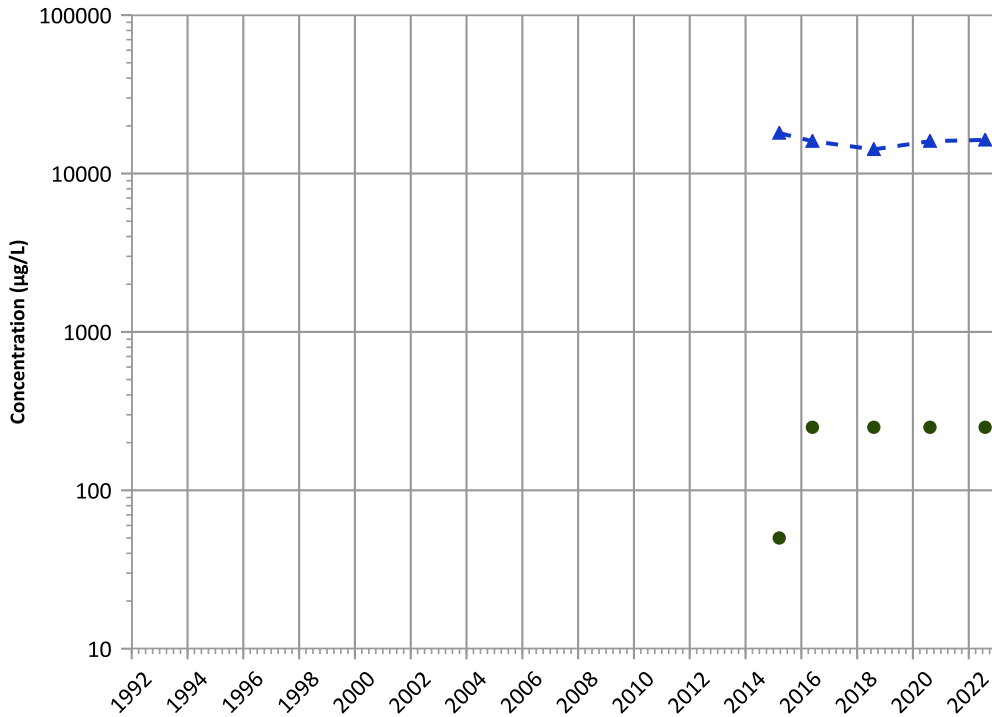


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Sodium Trend

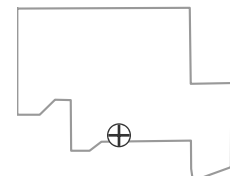


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

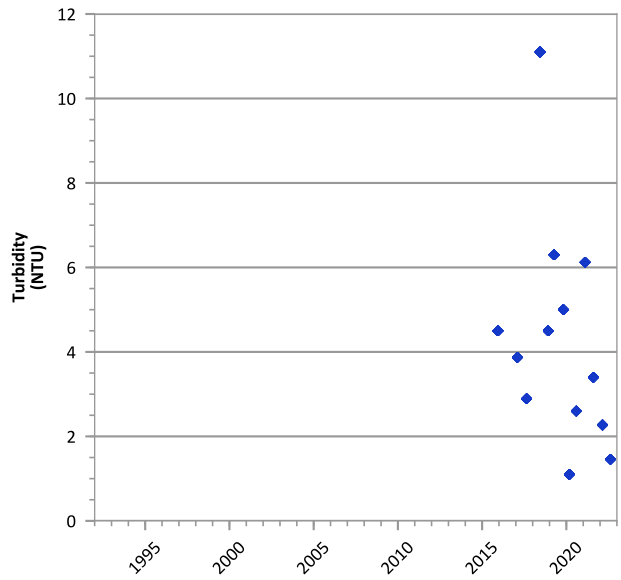
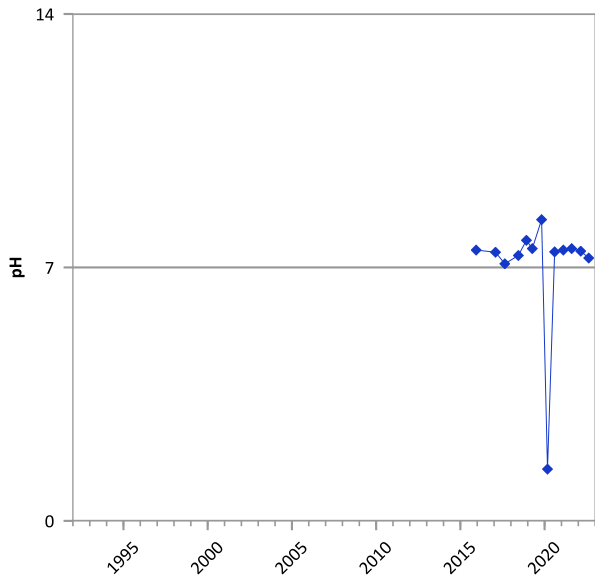
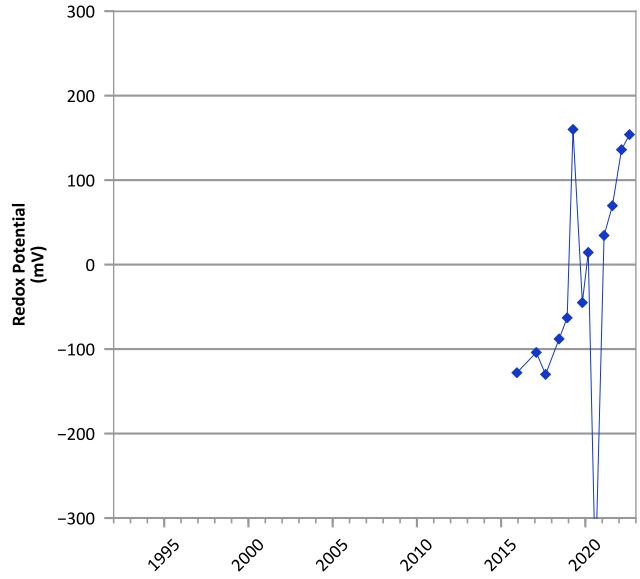
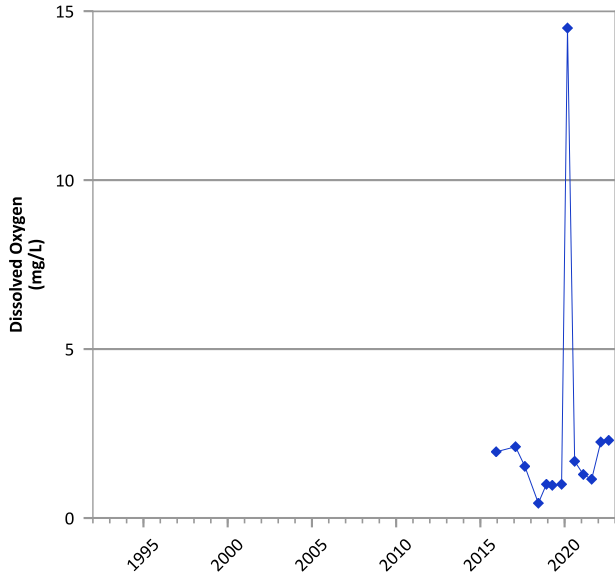
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/18/2015 to 08/03/2022  
Analysis Date: 04/27/2023

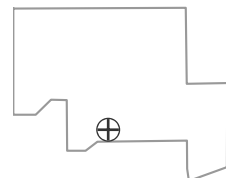
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/09/2015 to 08/15/2022  
 Analysis Date: 04/27/2023

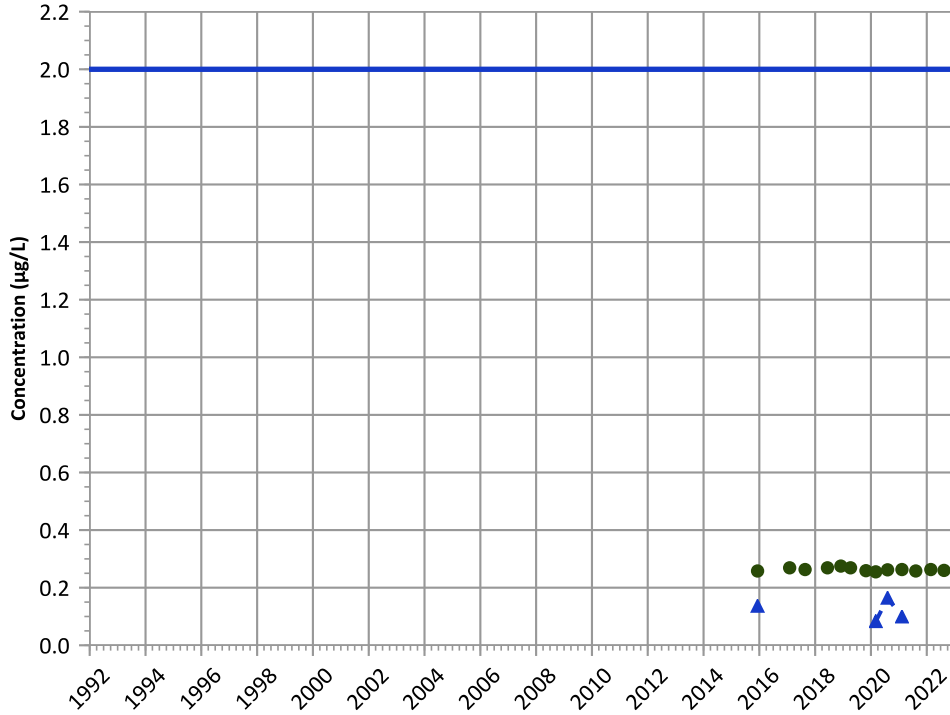
**Well Location**





PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

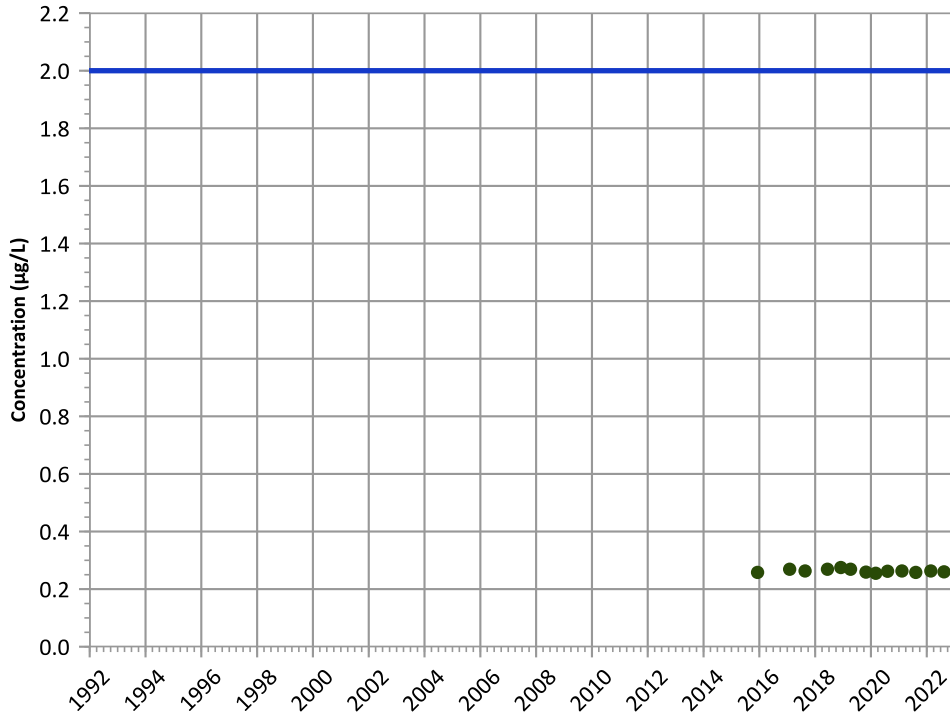


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

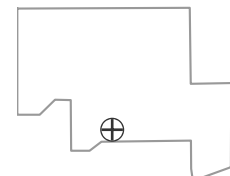


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

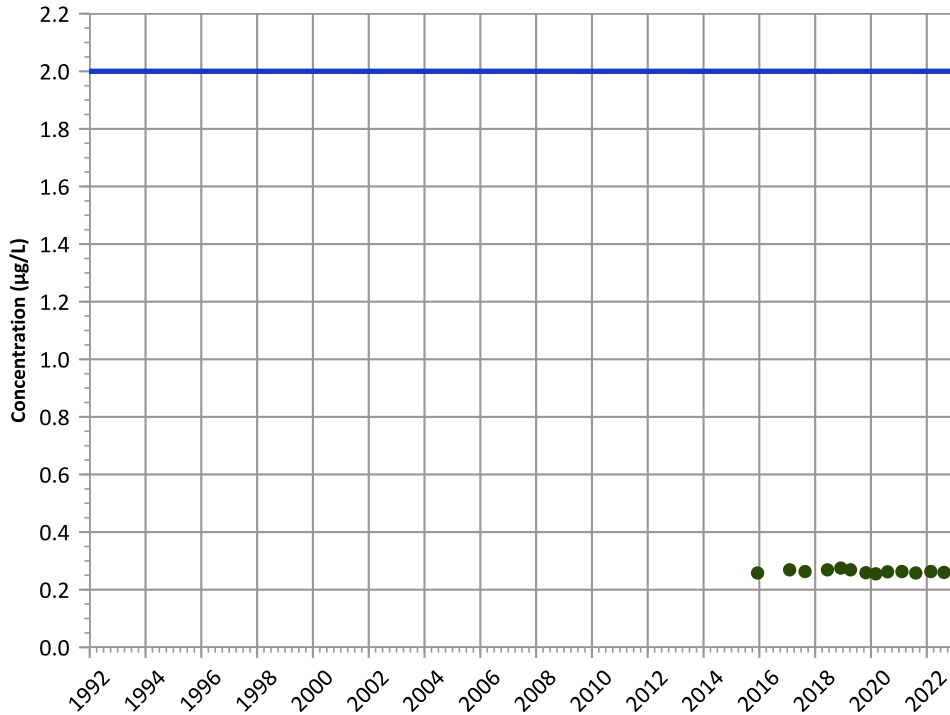
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

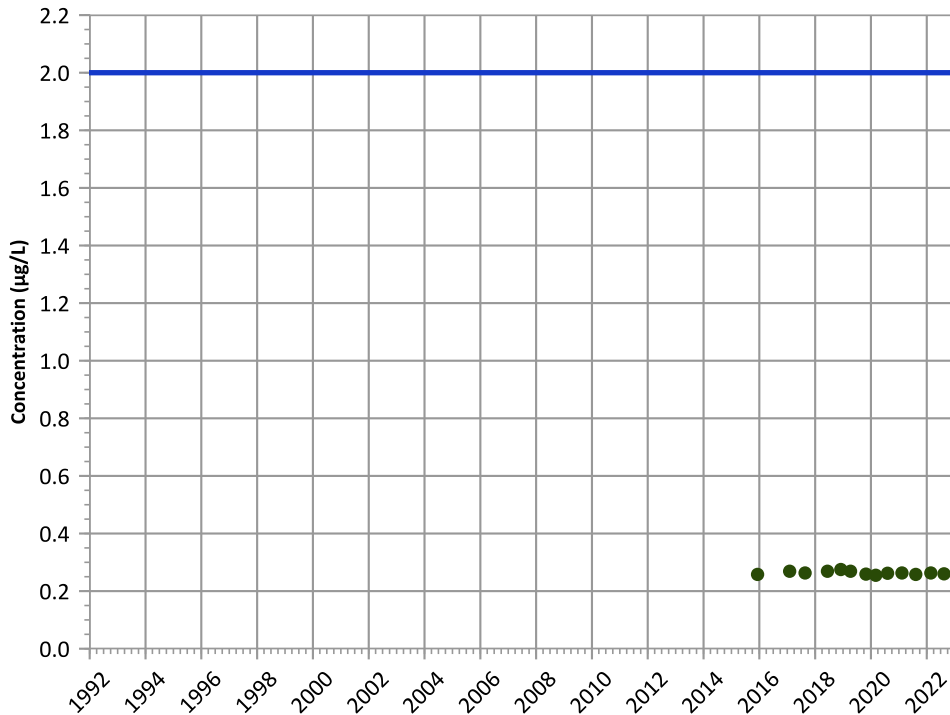


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

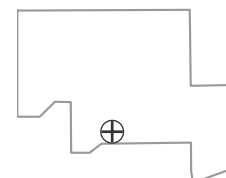


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

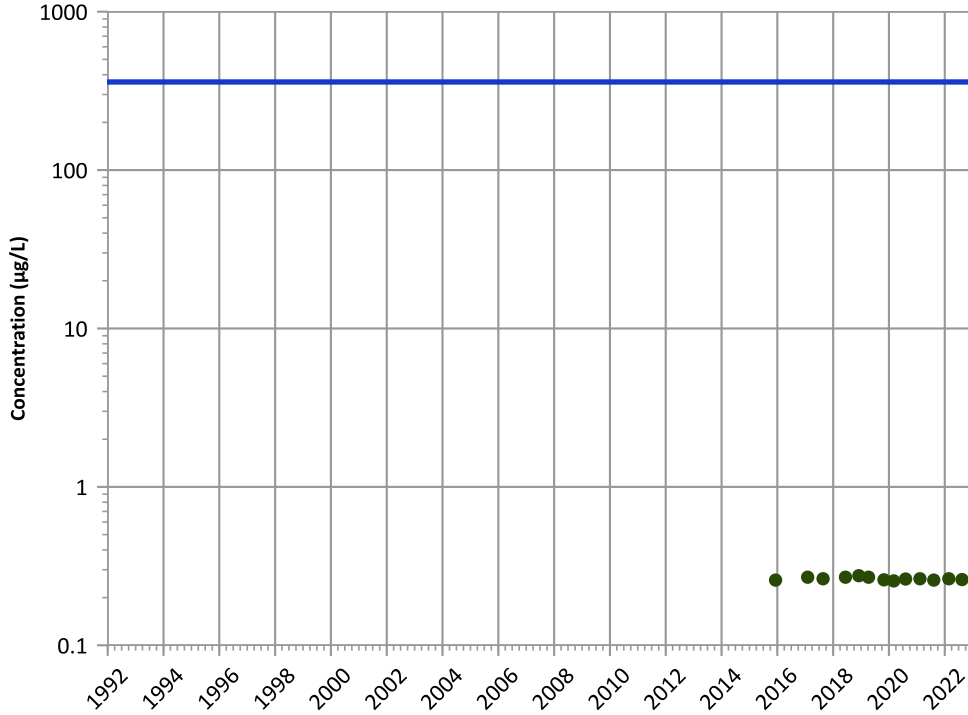


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

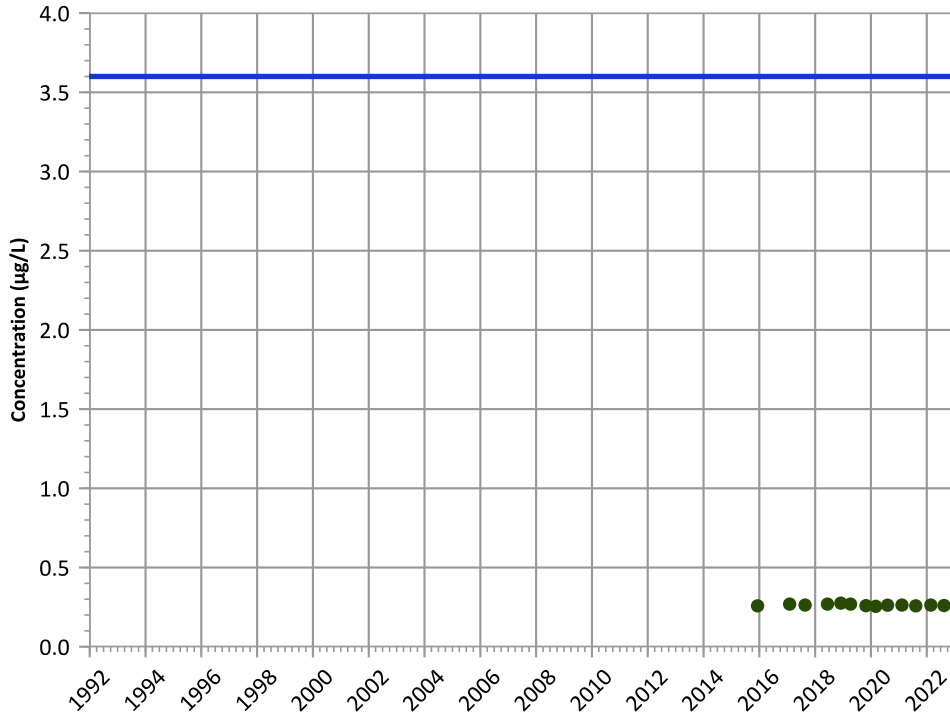
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

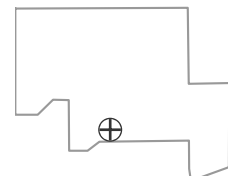
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

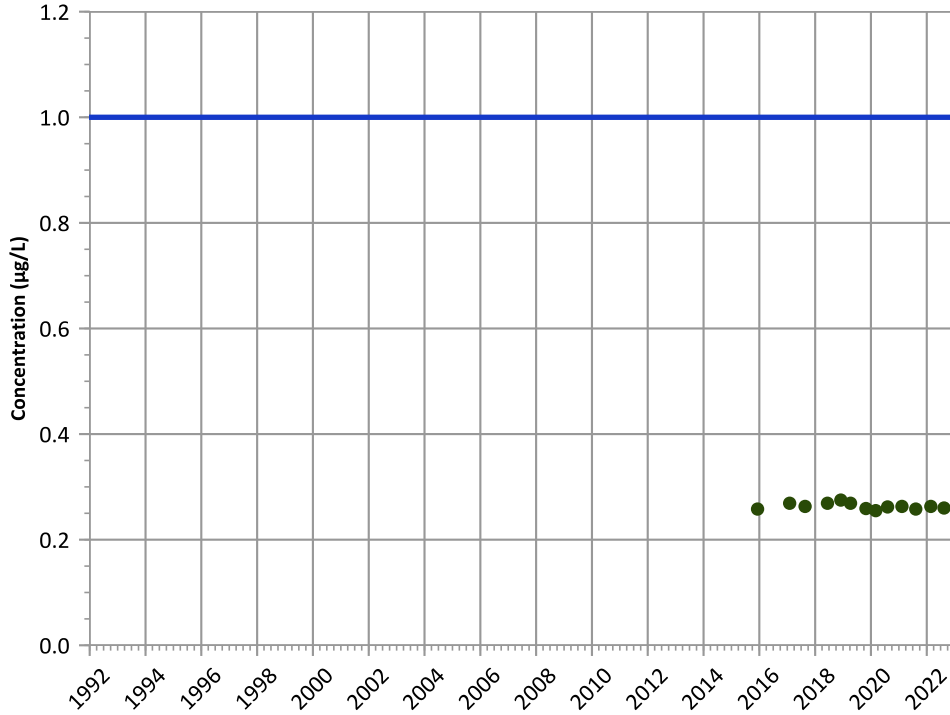
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

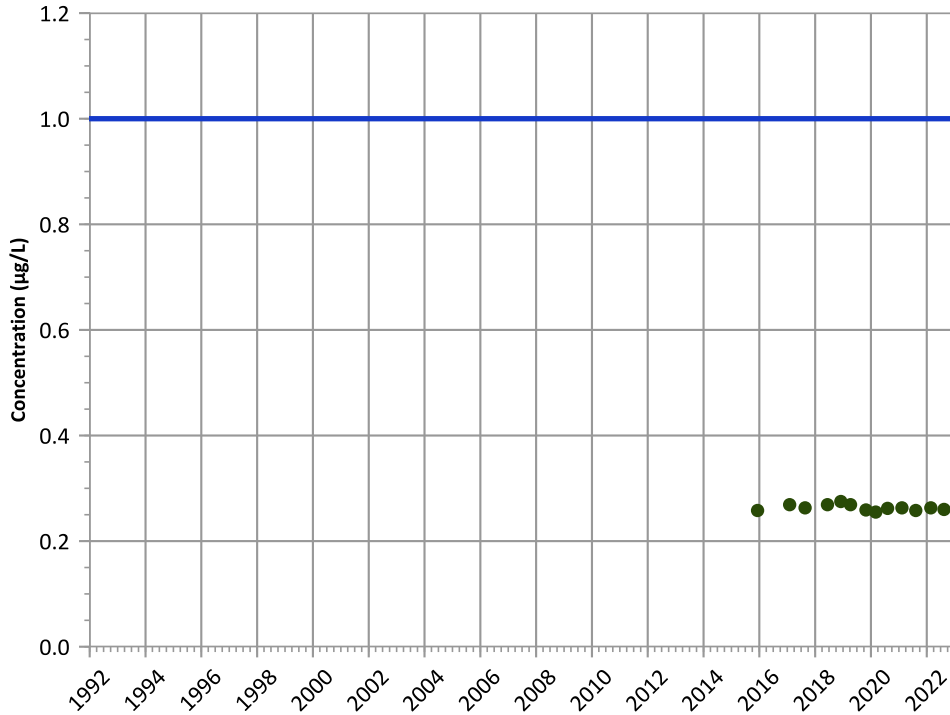
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

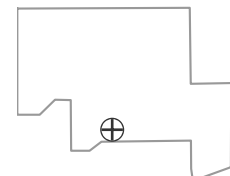
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

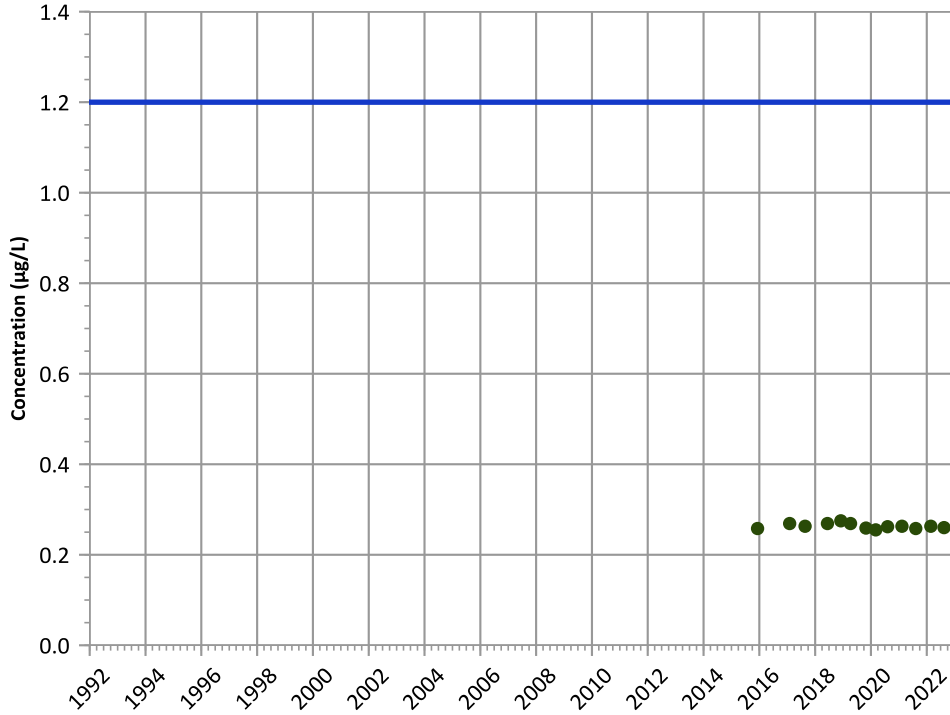


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

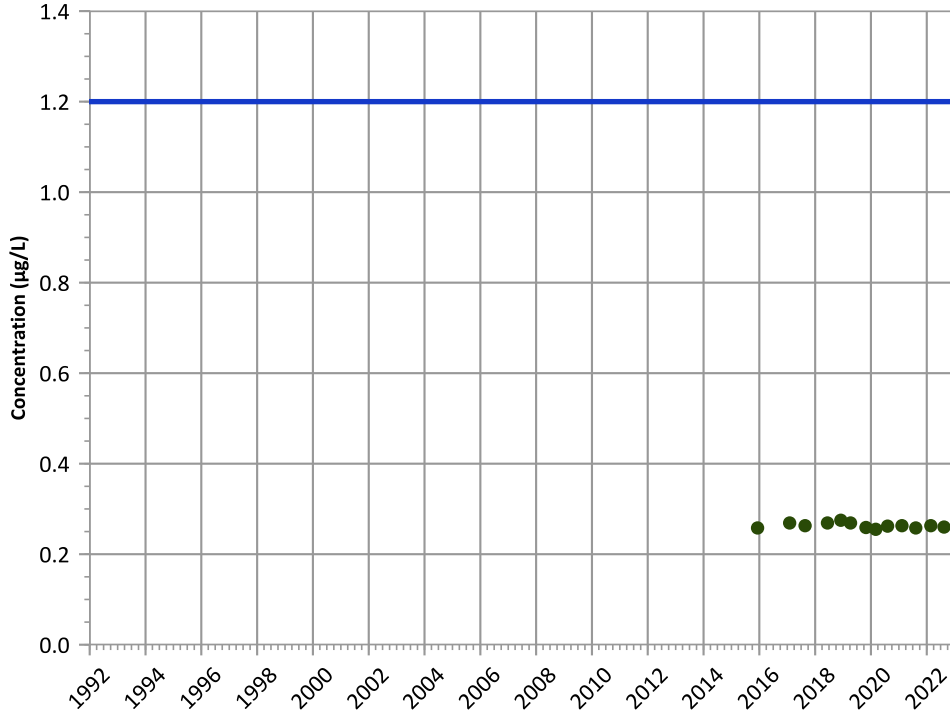
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

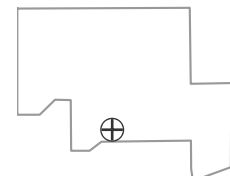
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

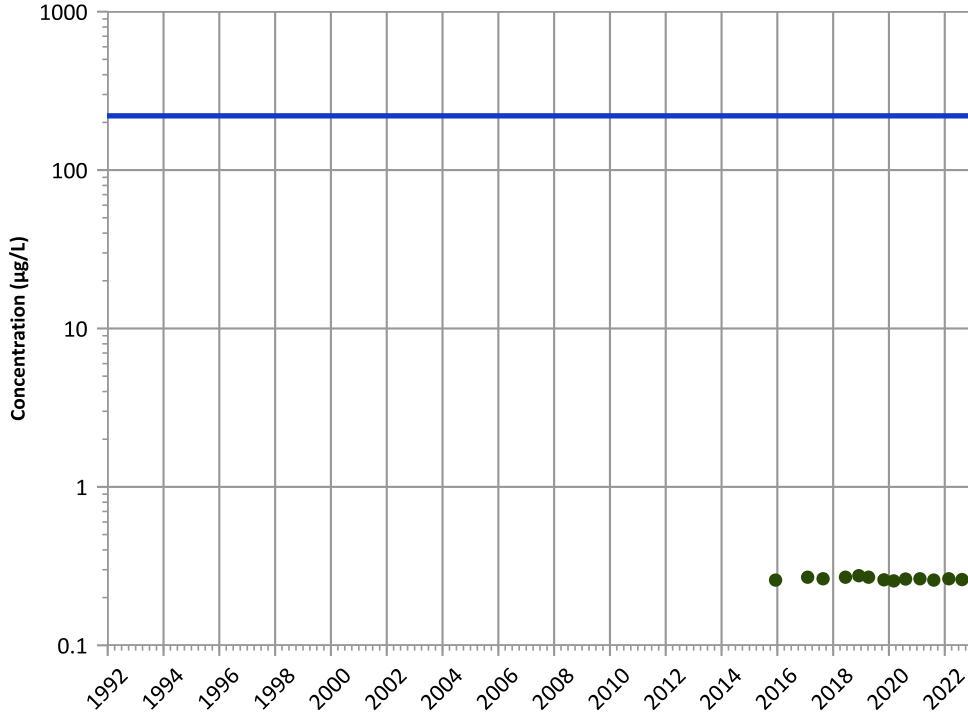


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

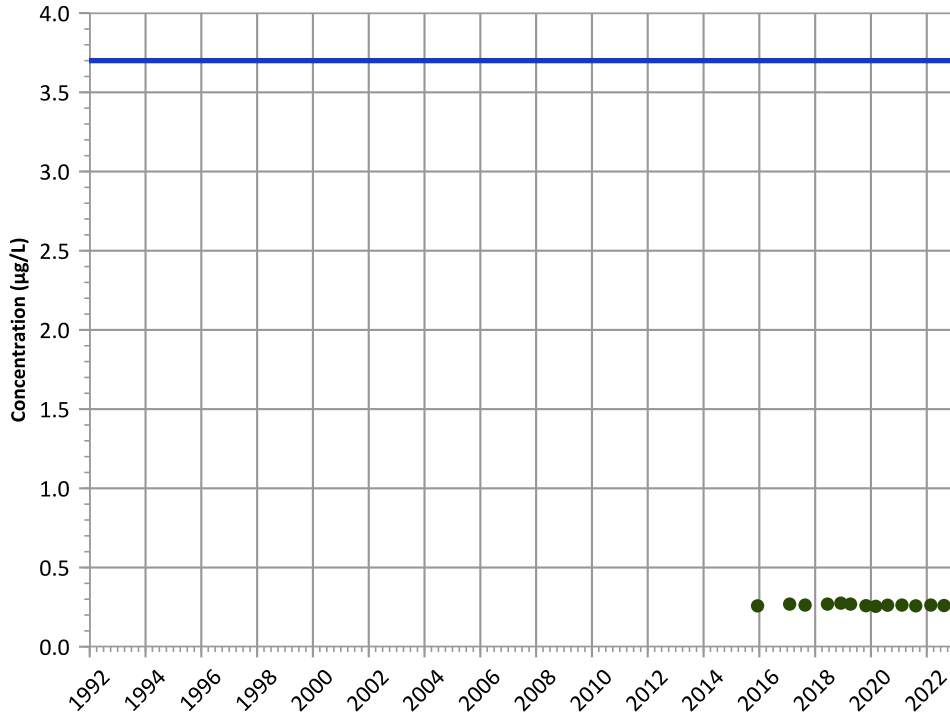
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

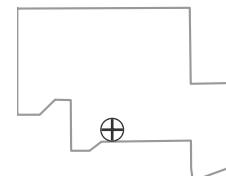
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

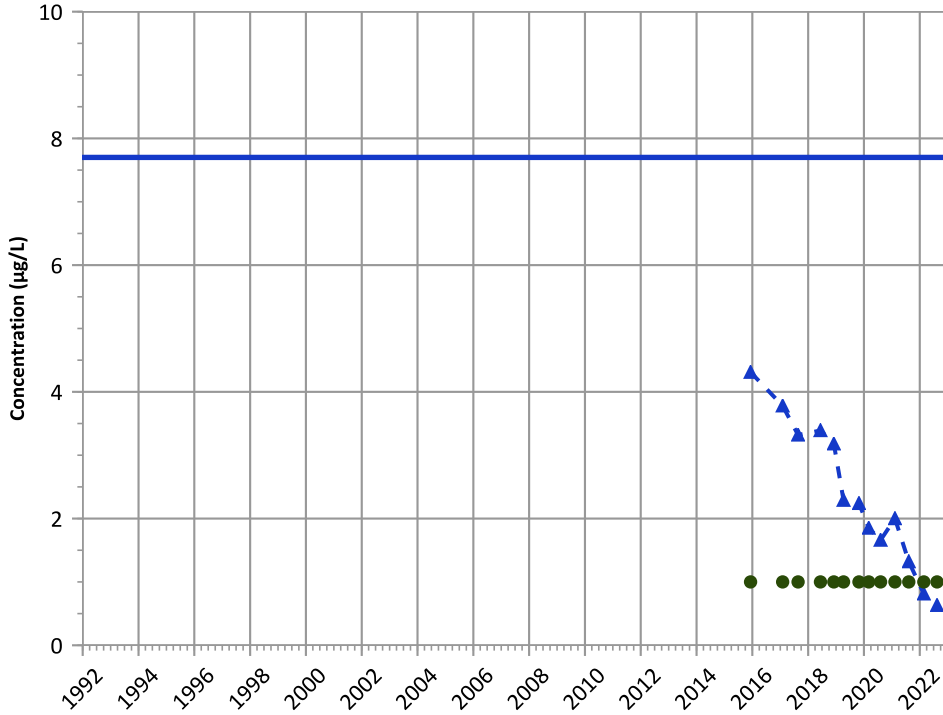
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

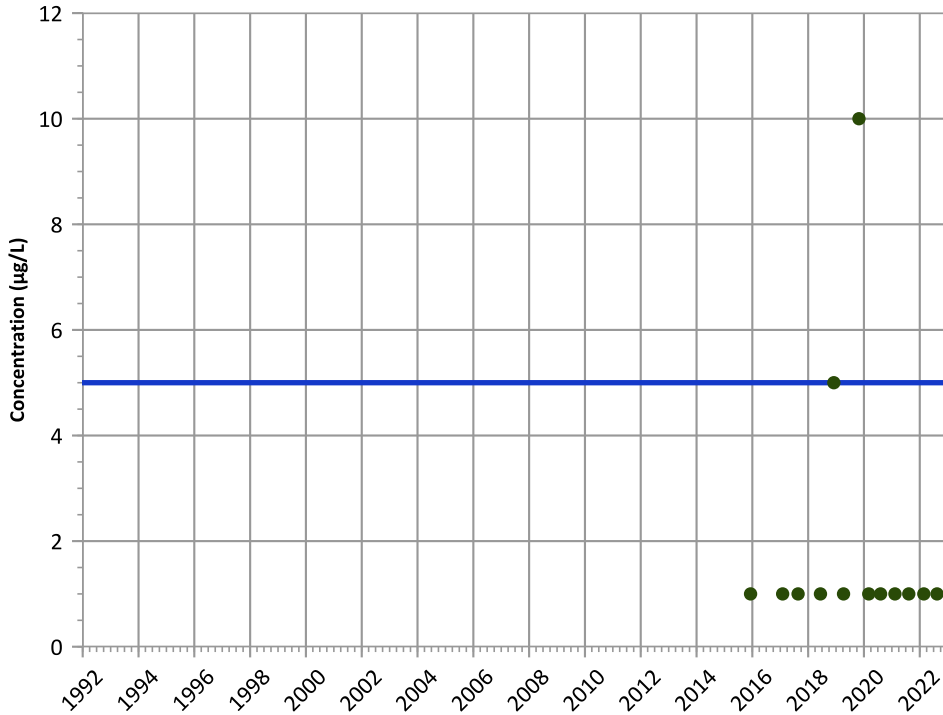
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

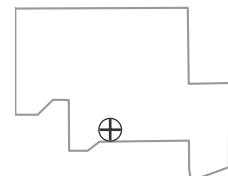
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

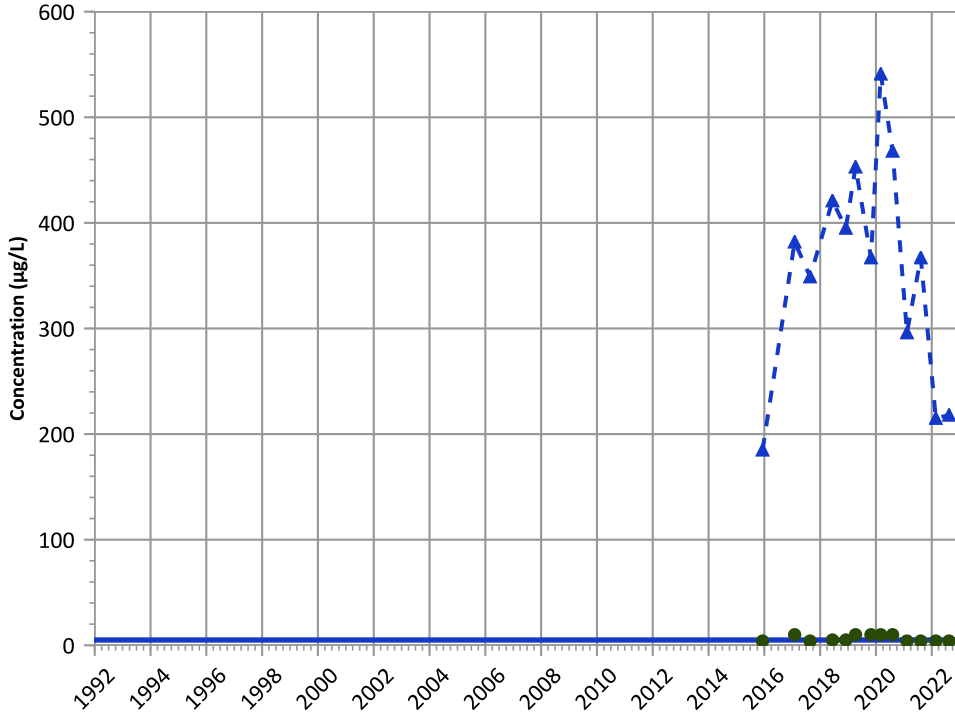
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

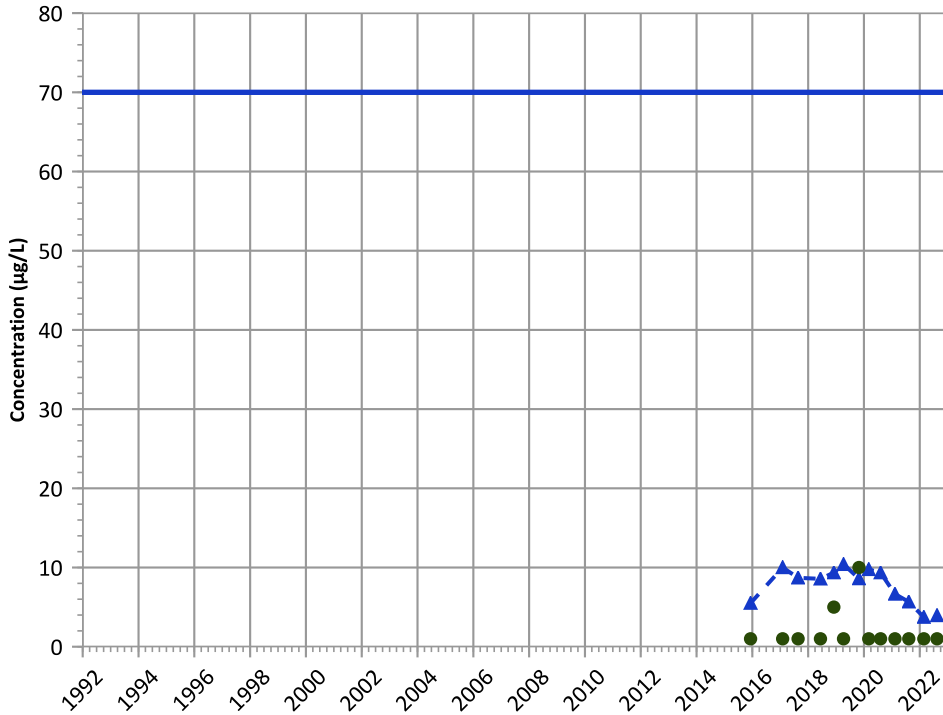


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

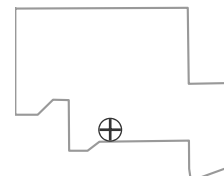
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

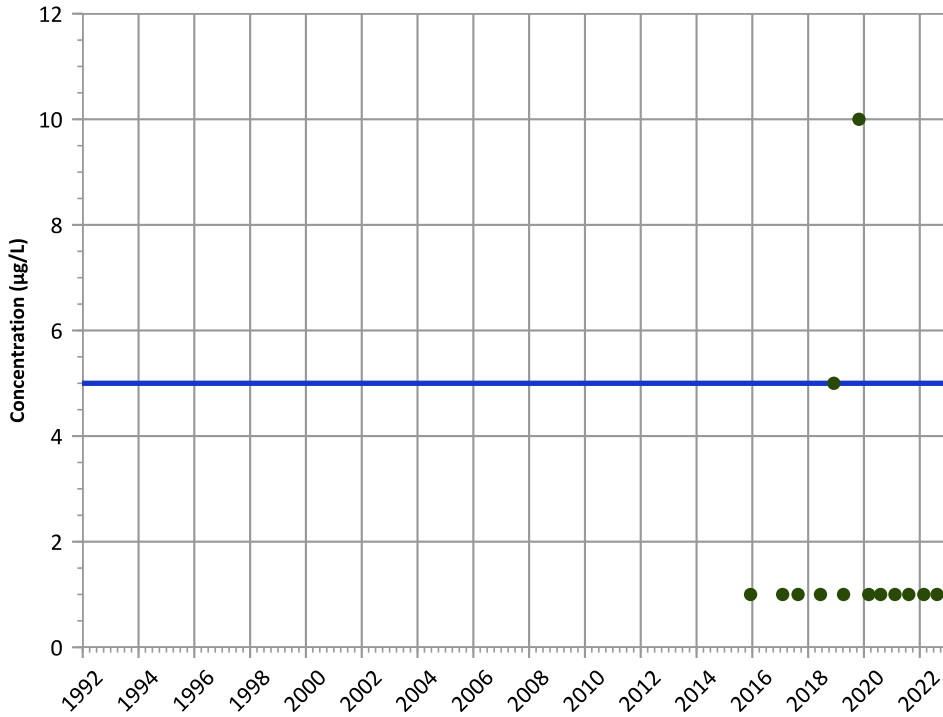
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

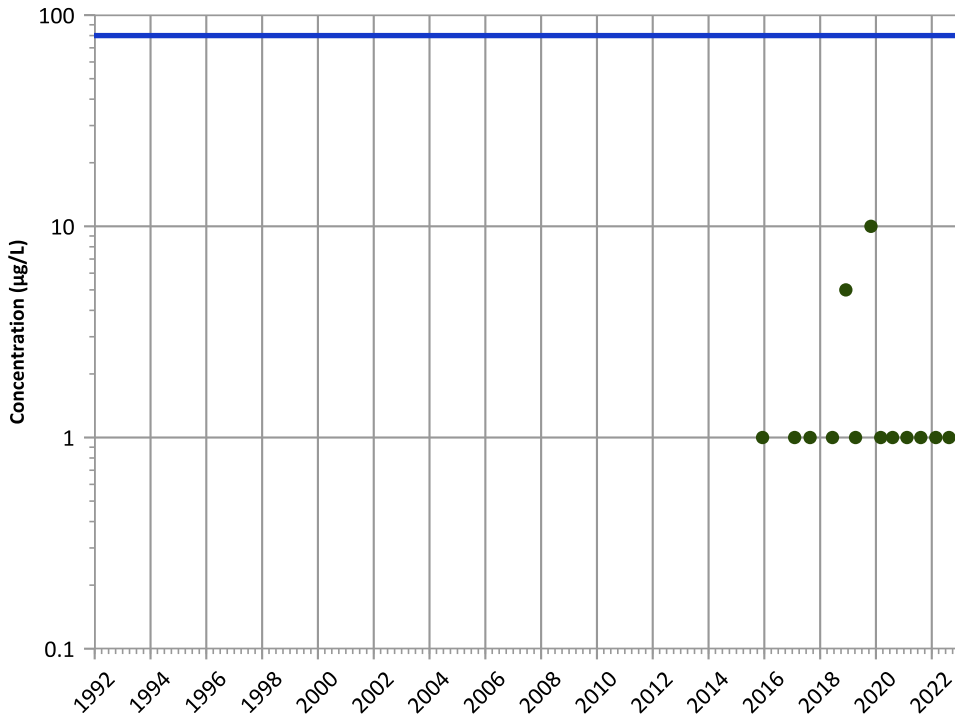


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**

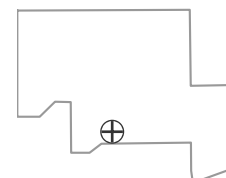


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

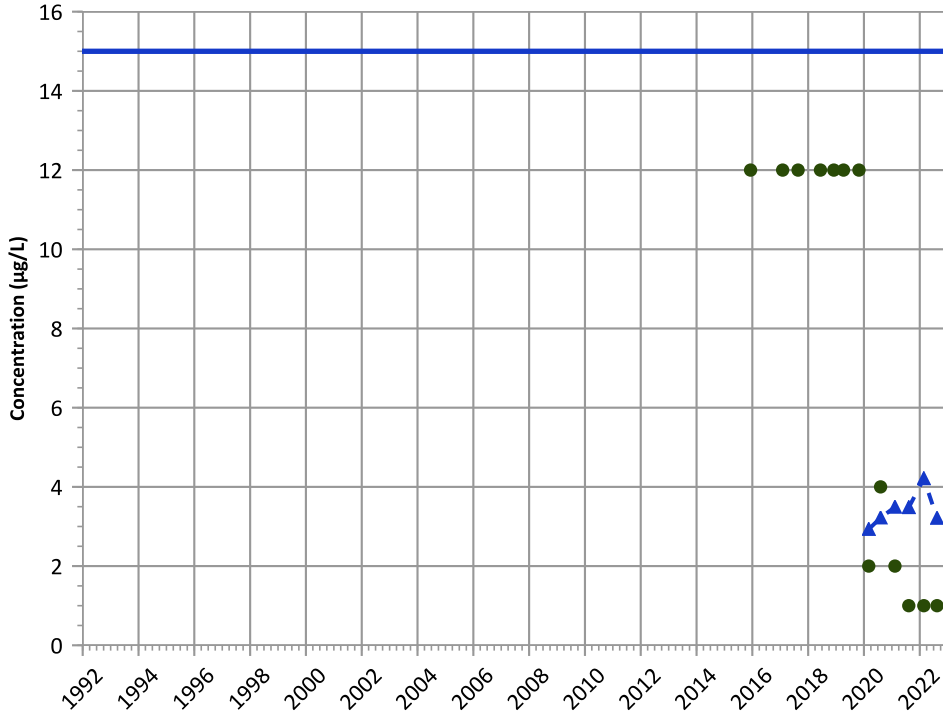


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

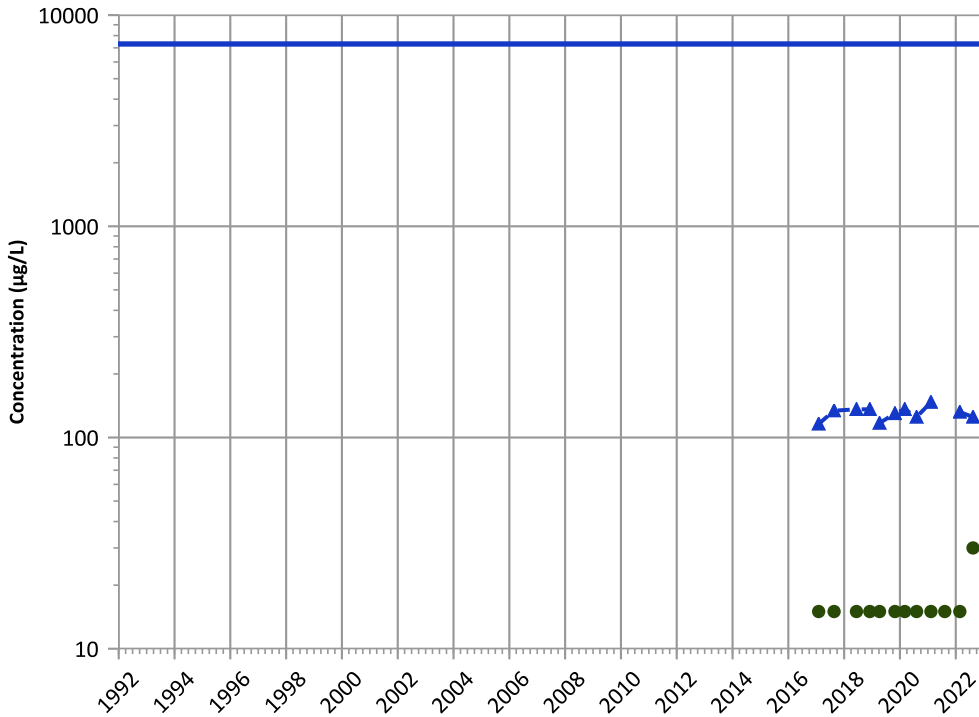


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Boron Trend



Concentration Trend

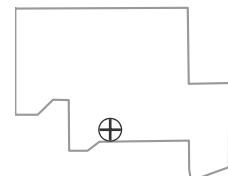
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

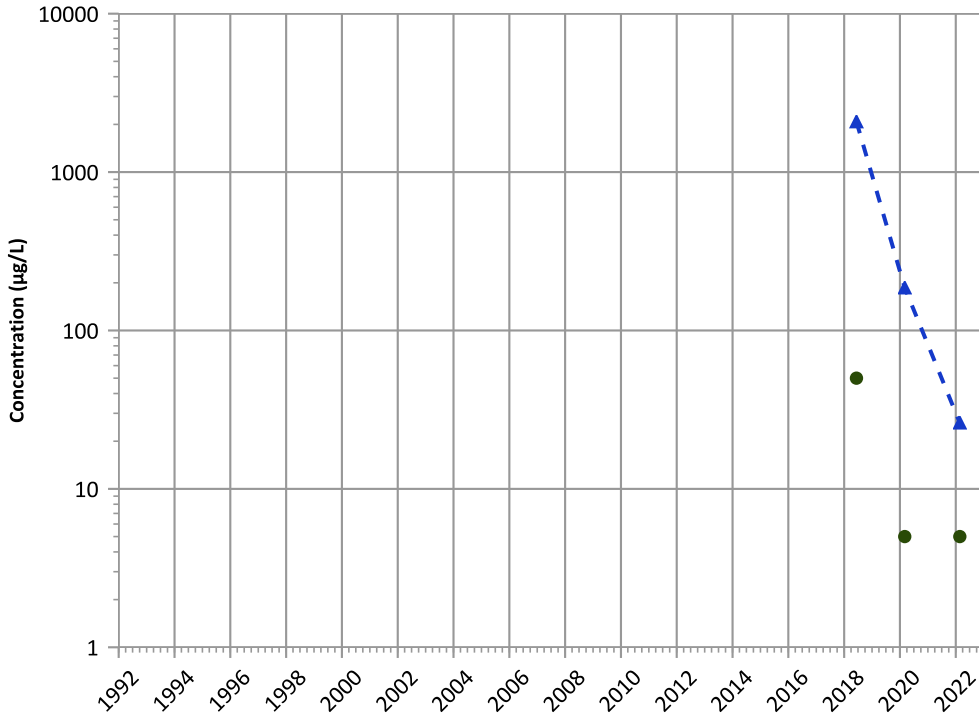
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

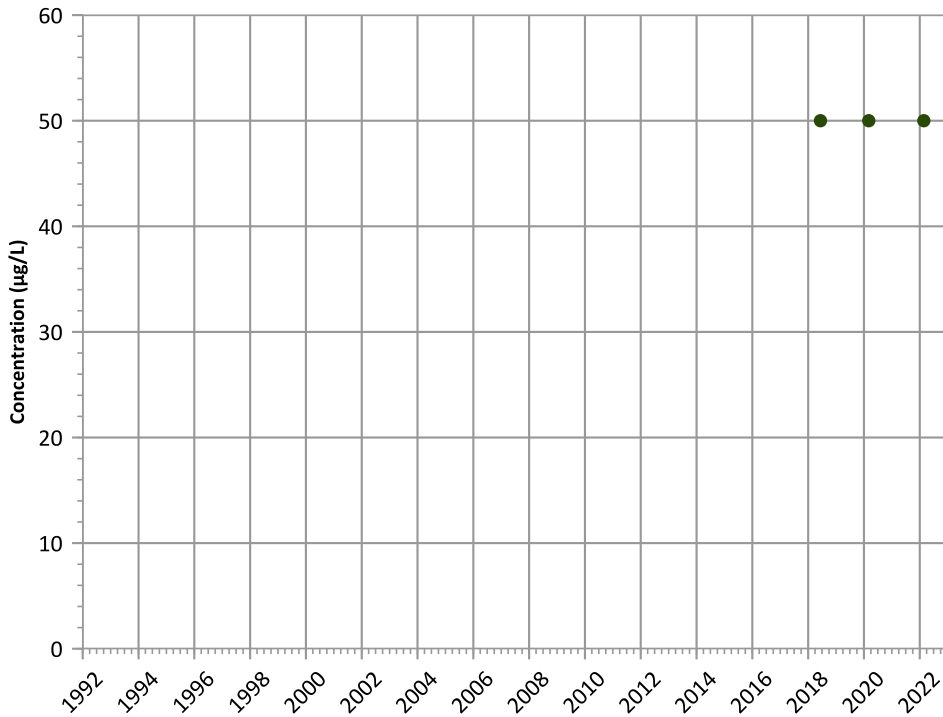


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

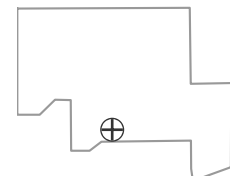


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

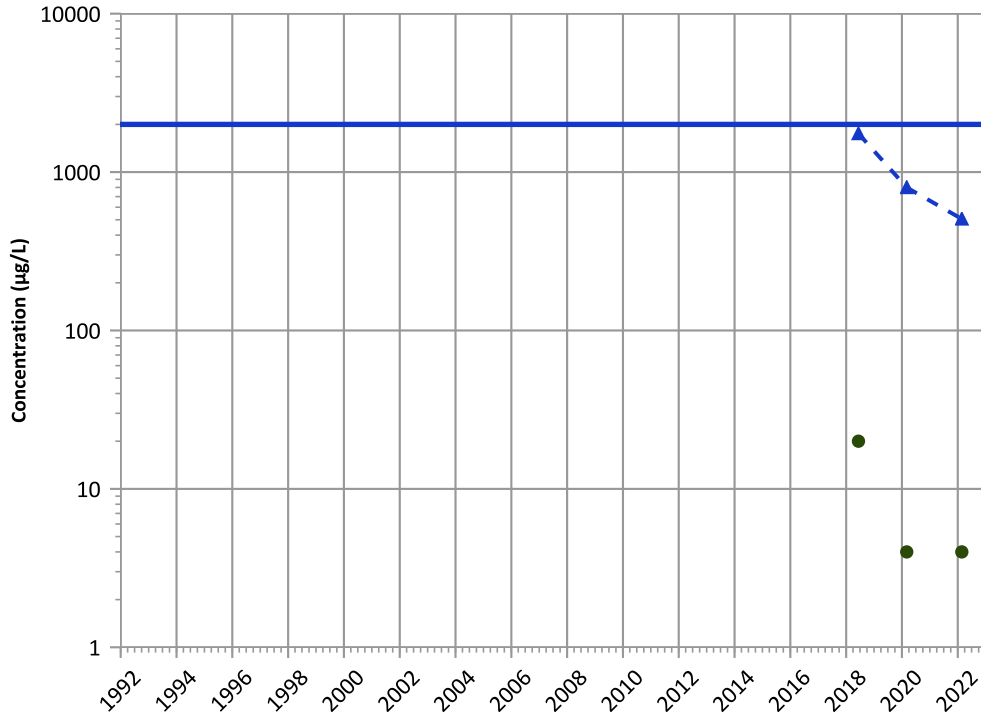


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

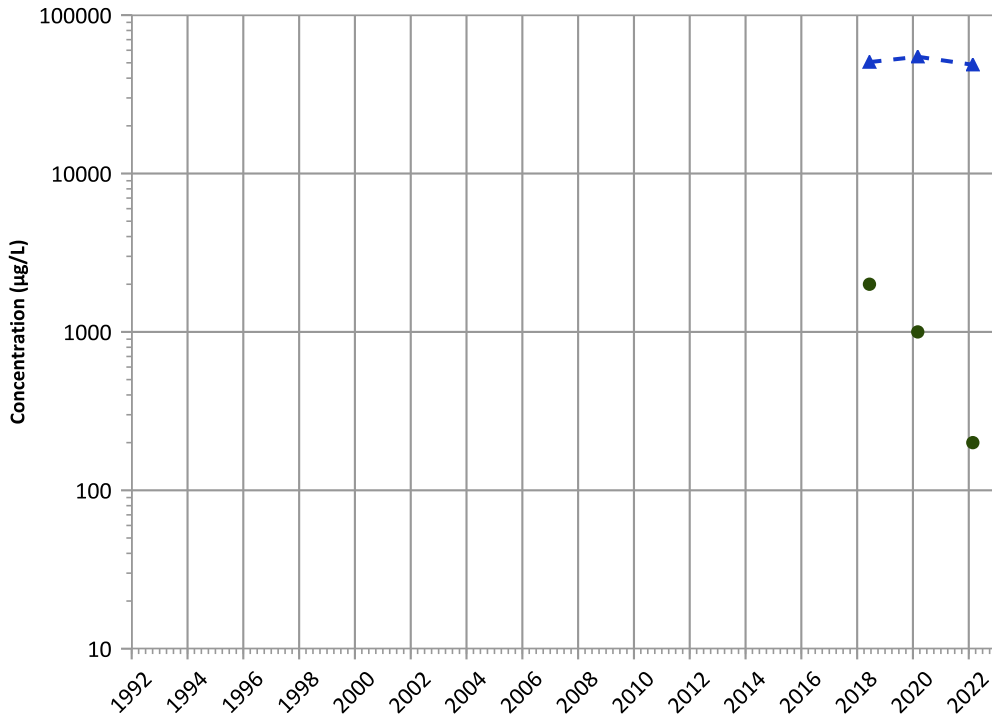


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend

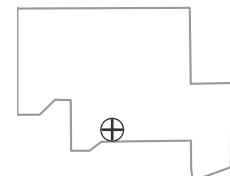


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

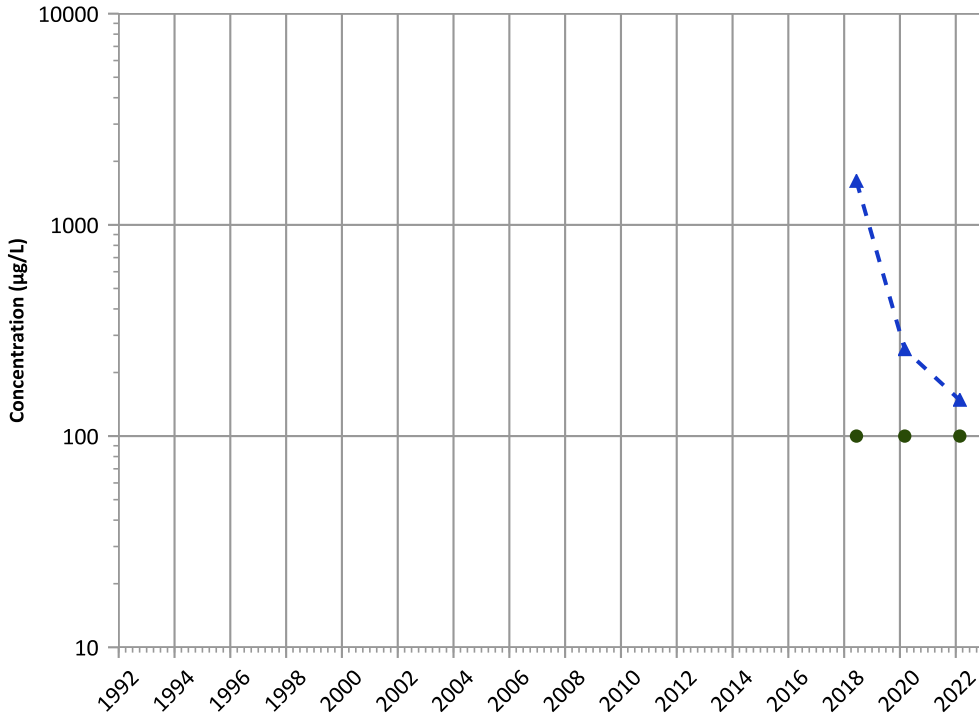


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

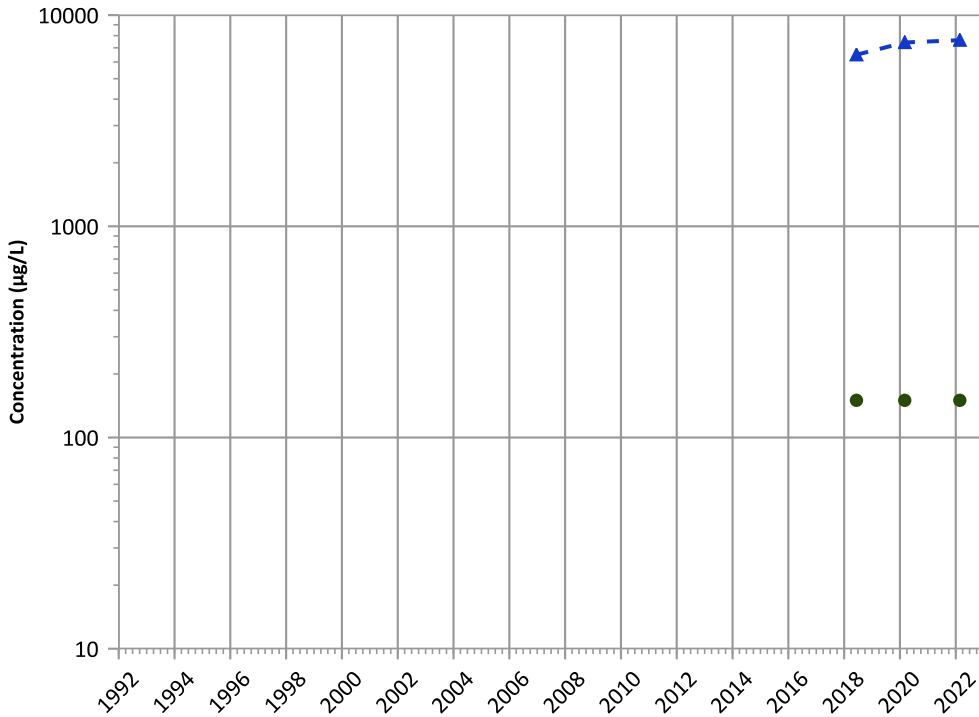


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

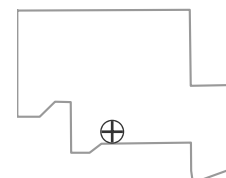


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

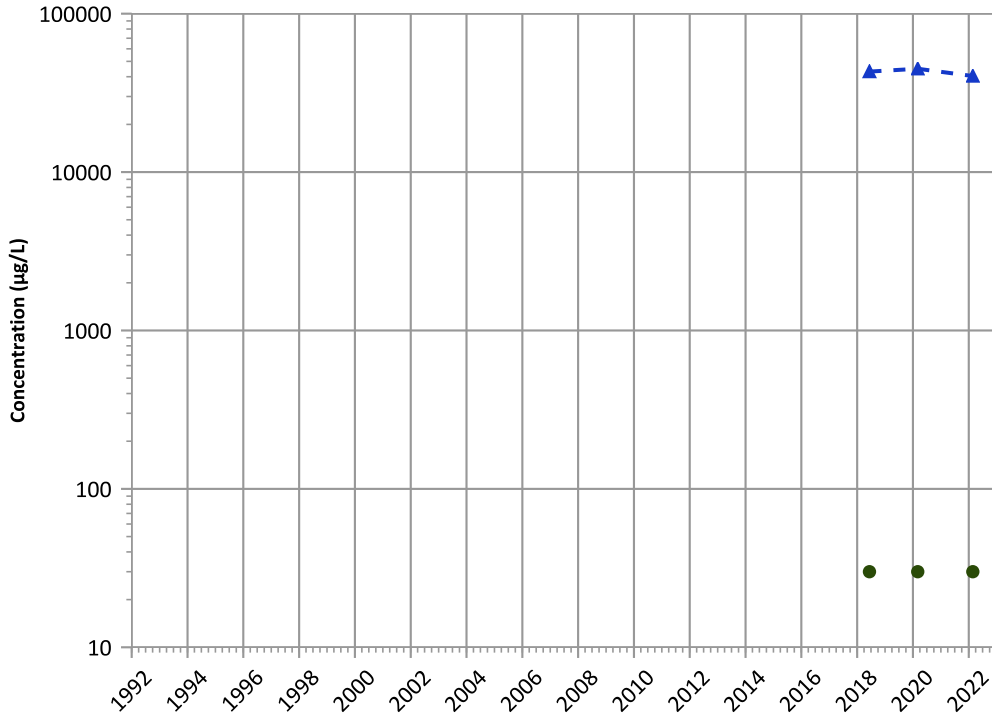


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

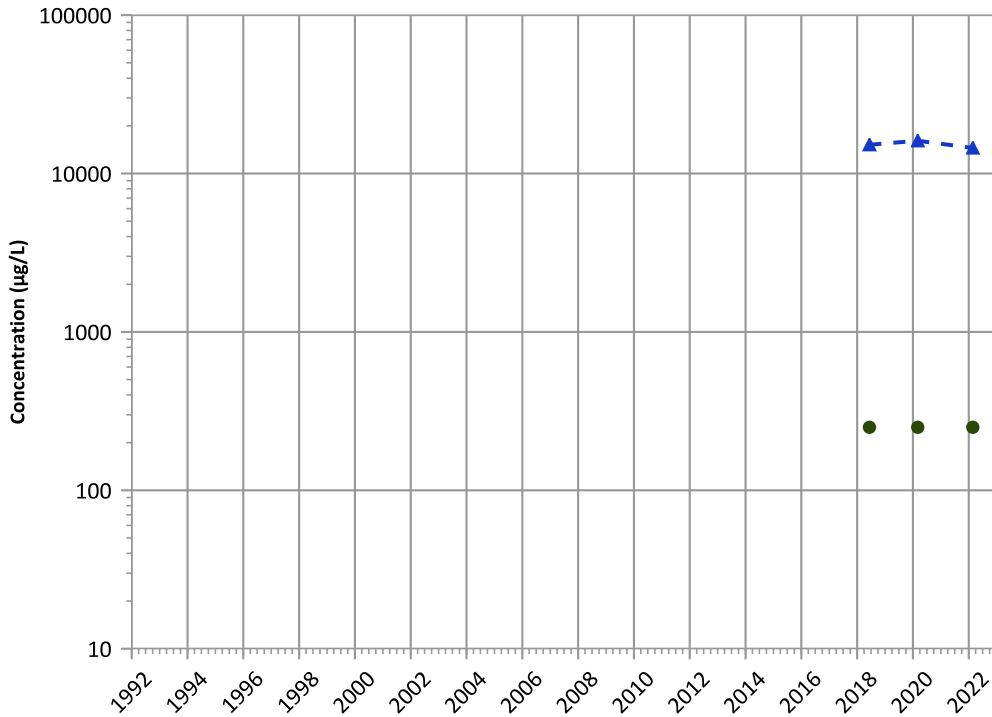


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

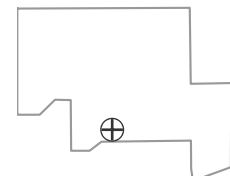


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

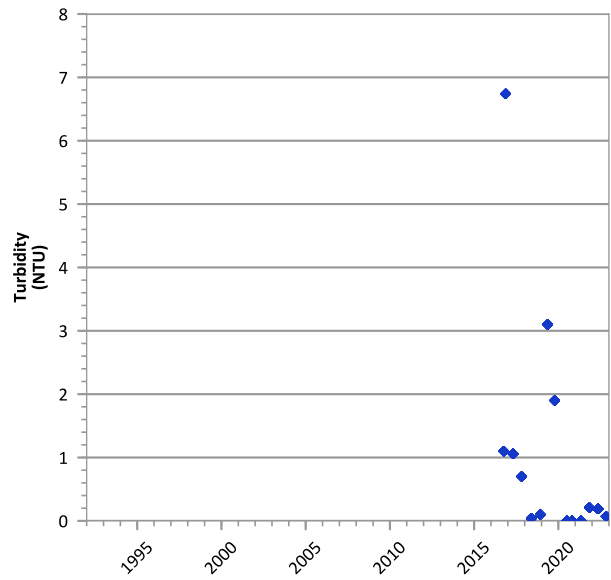
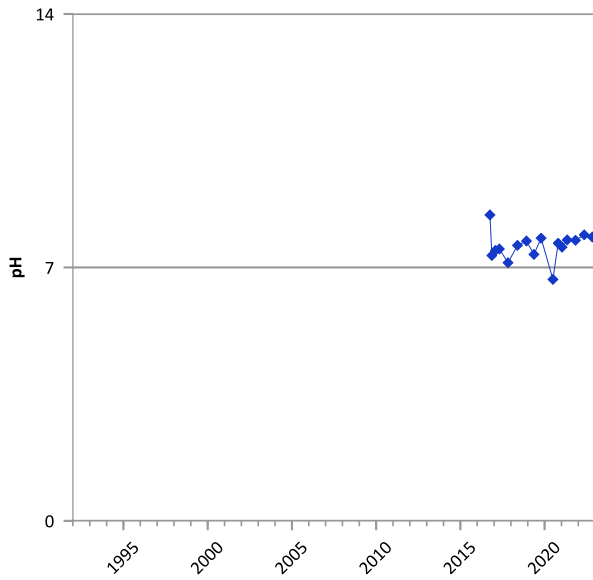
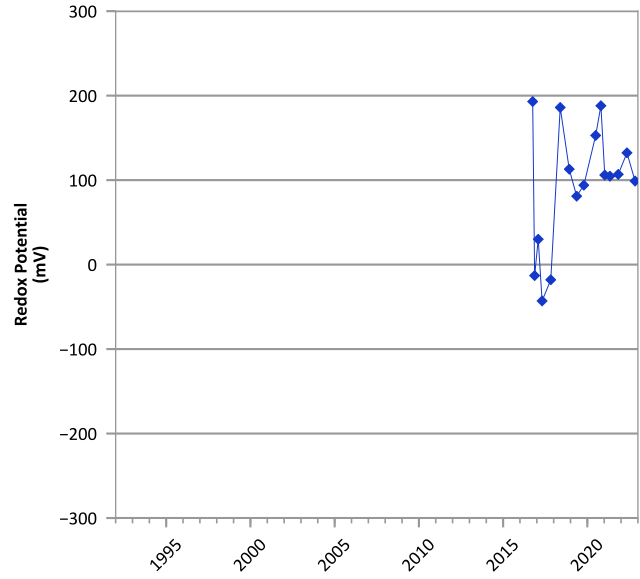
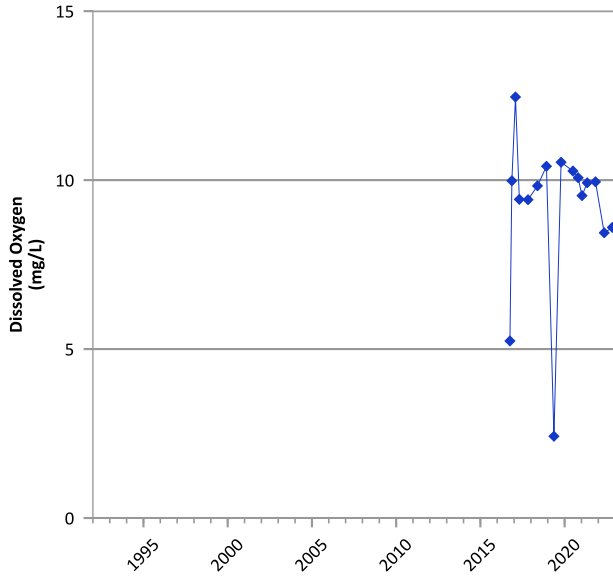
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/09/2015 to 08/15/2022  
Analysis Date: 04/27/2023

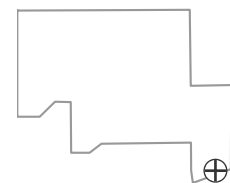
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



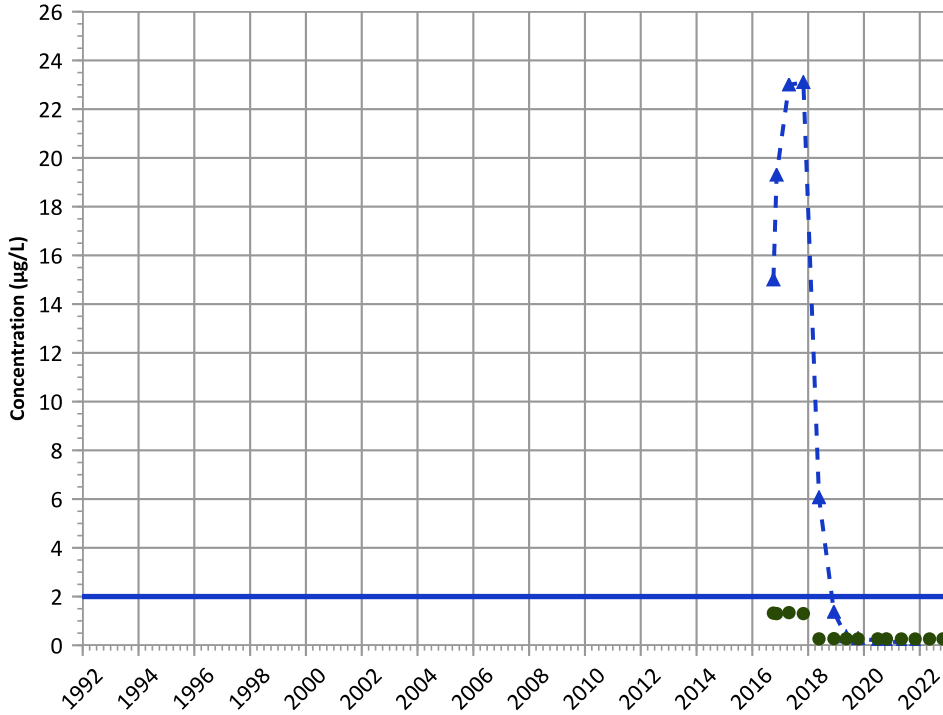
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/03/2016 to 11/01/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

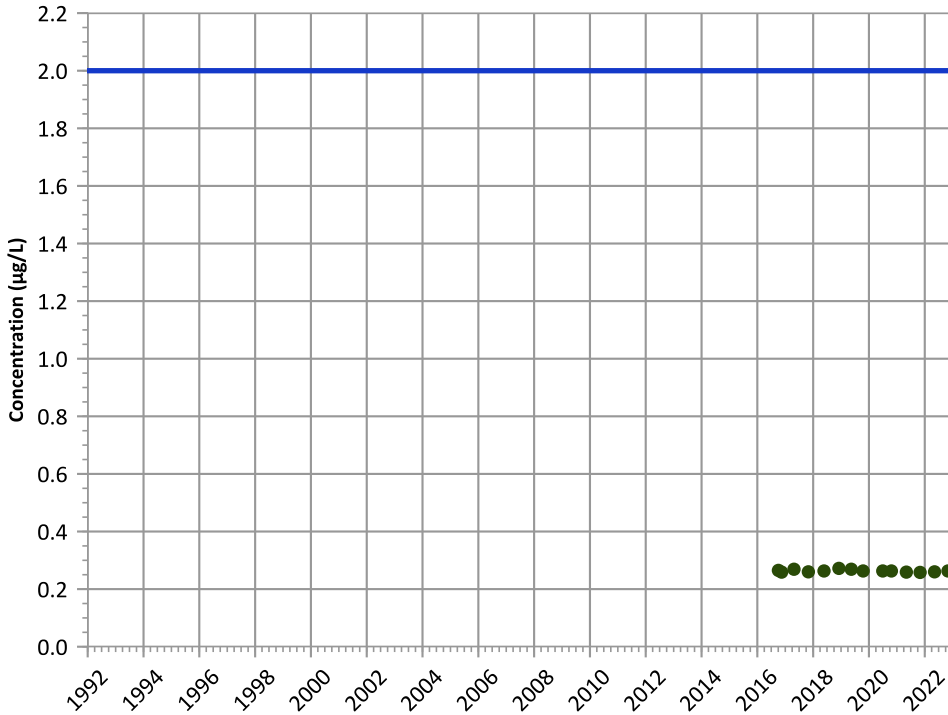
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

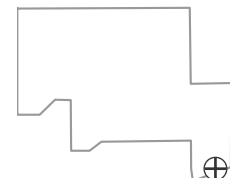
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

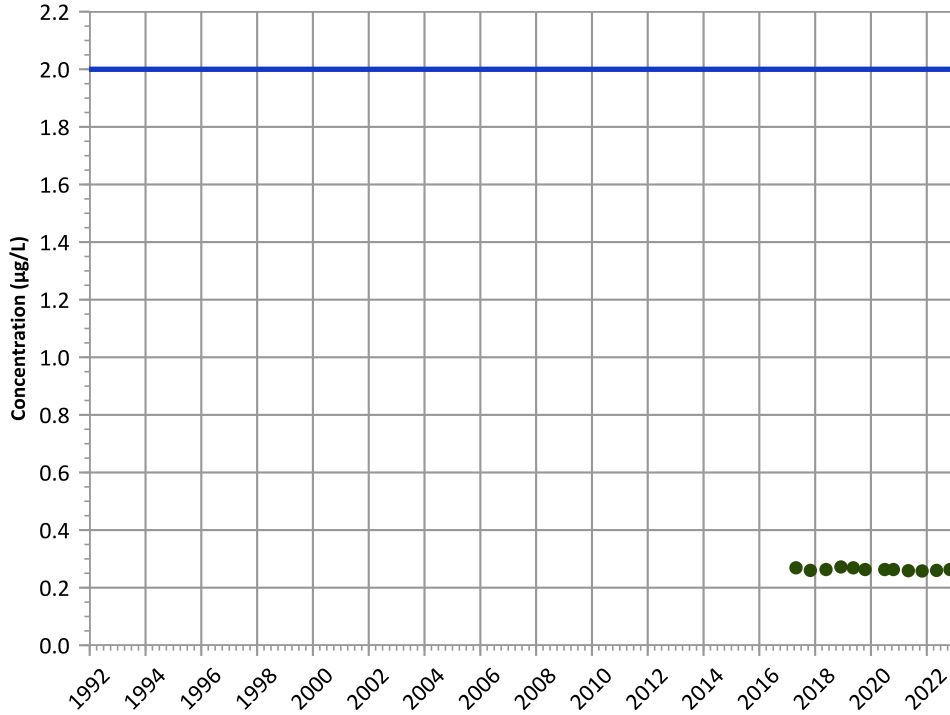
Well Location





PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

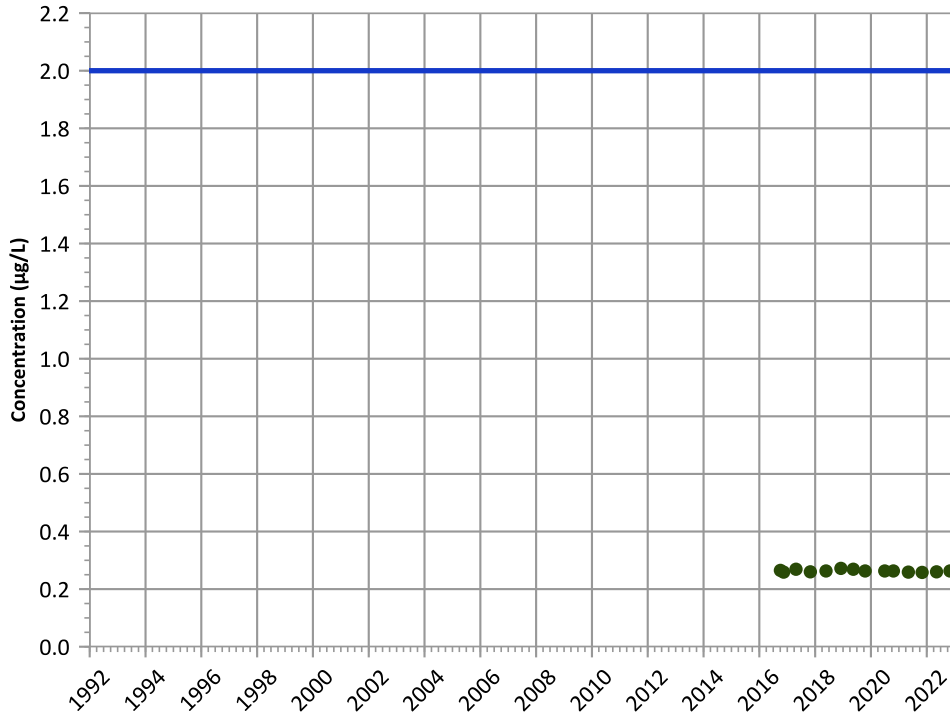


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

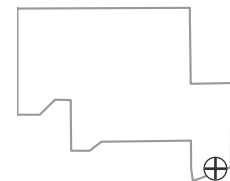


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

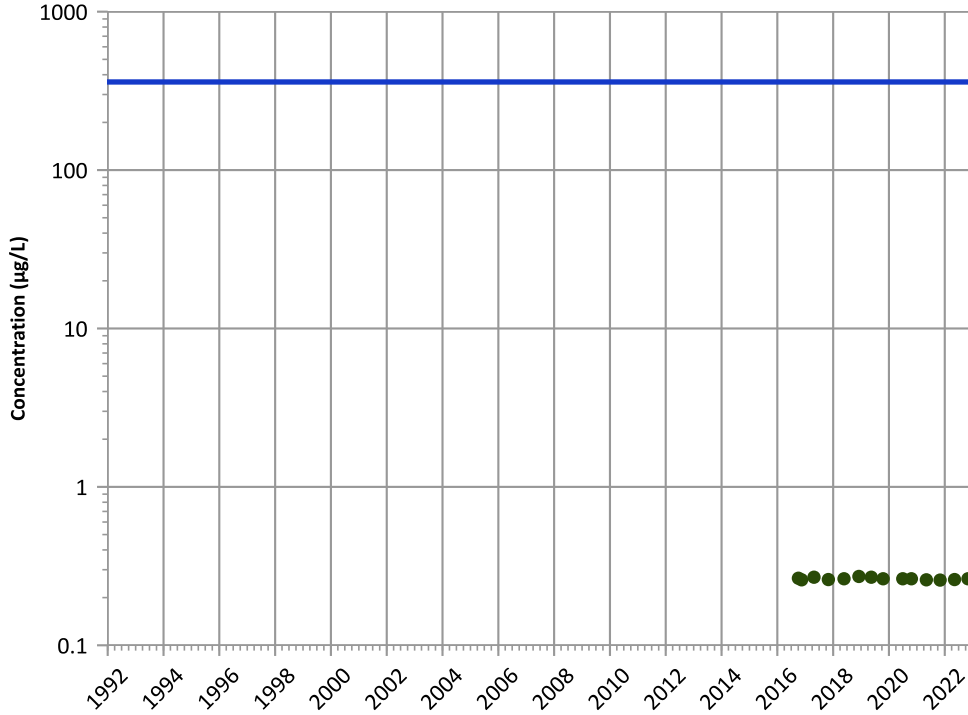


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

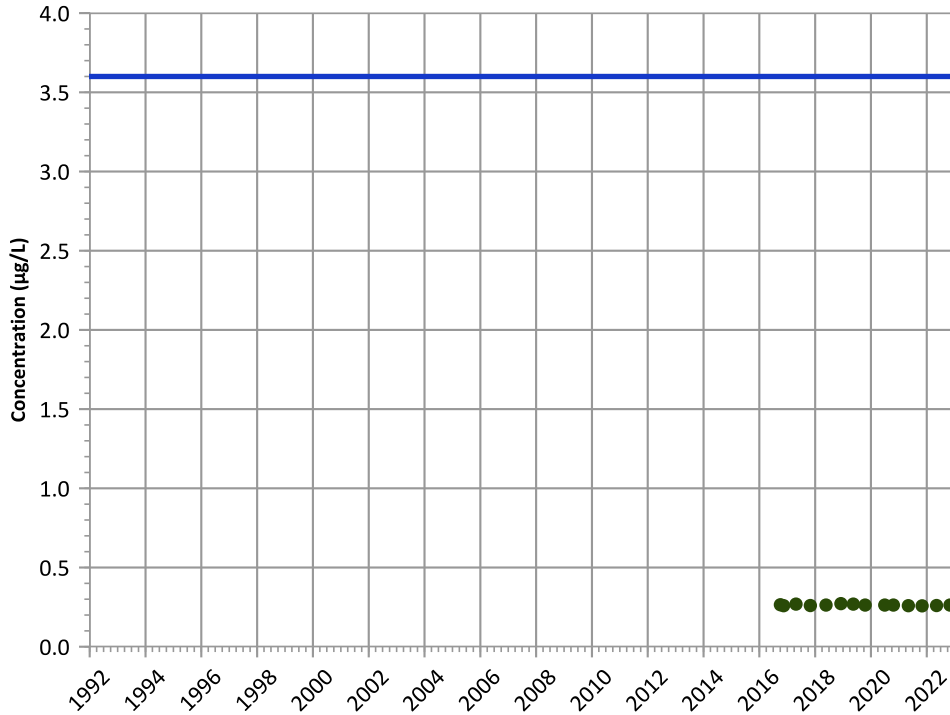
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

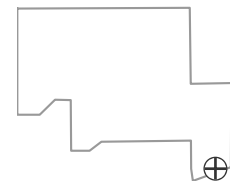
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 10/03/2016 to 11/01/2022

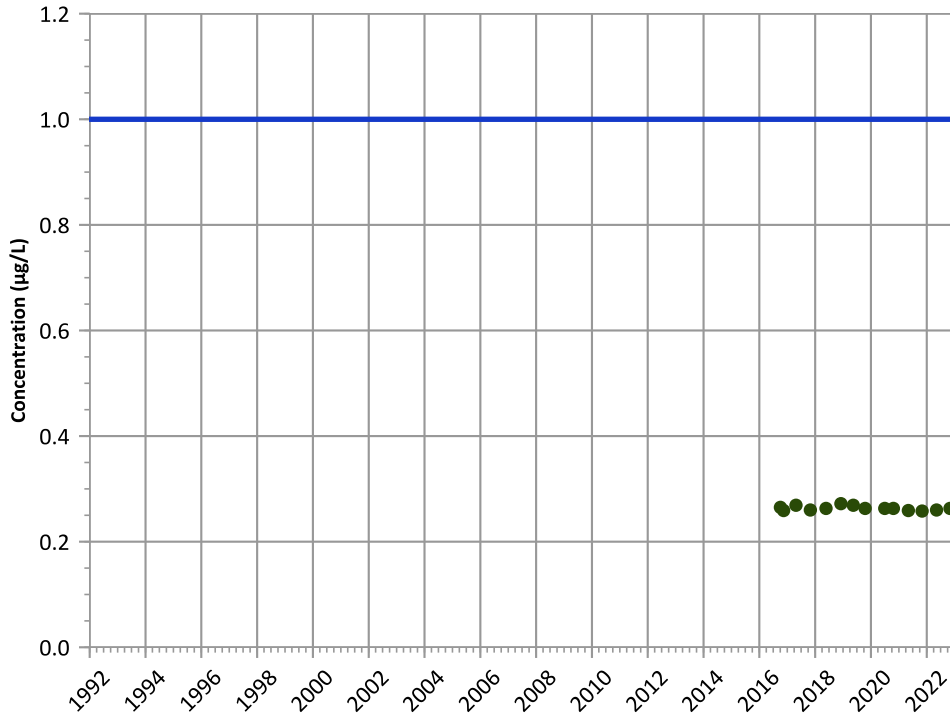
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

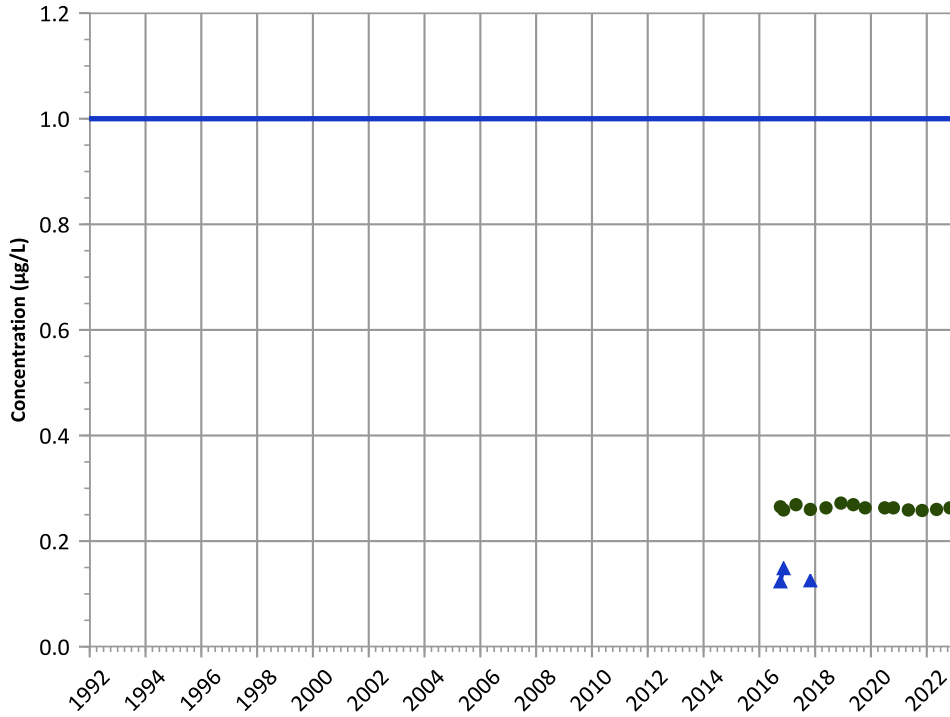


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

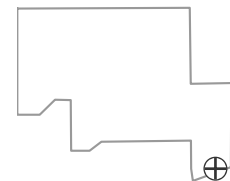


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

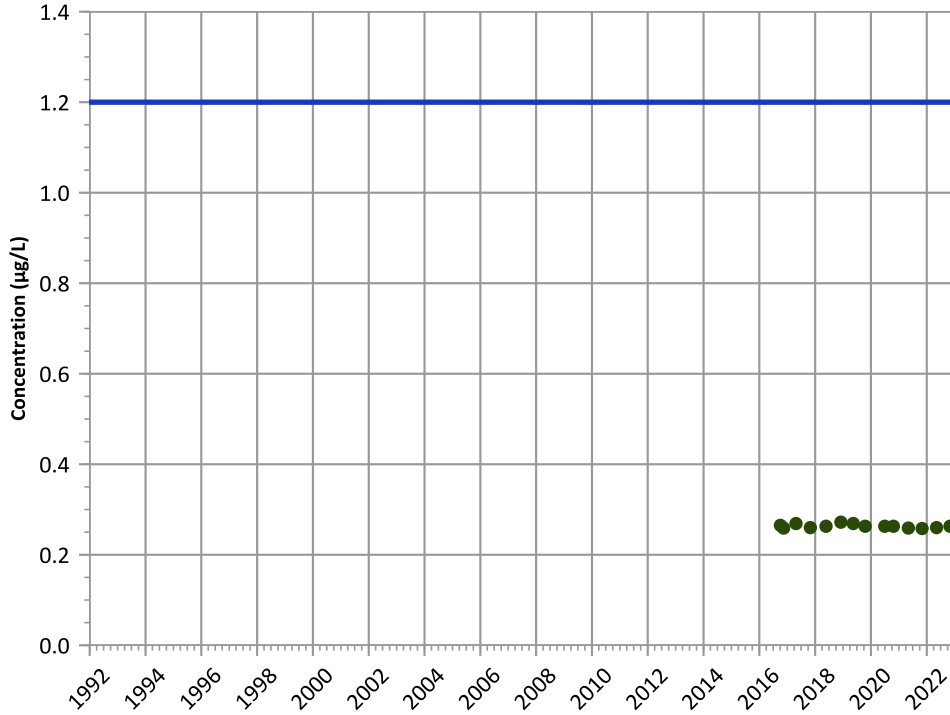


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

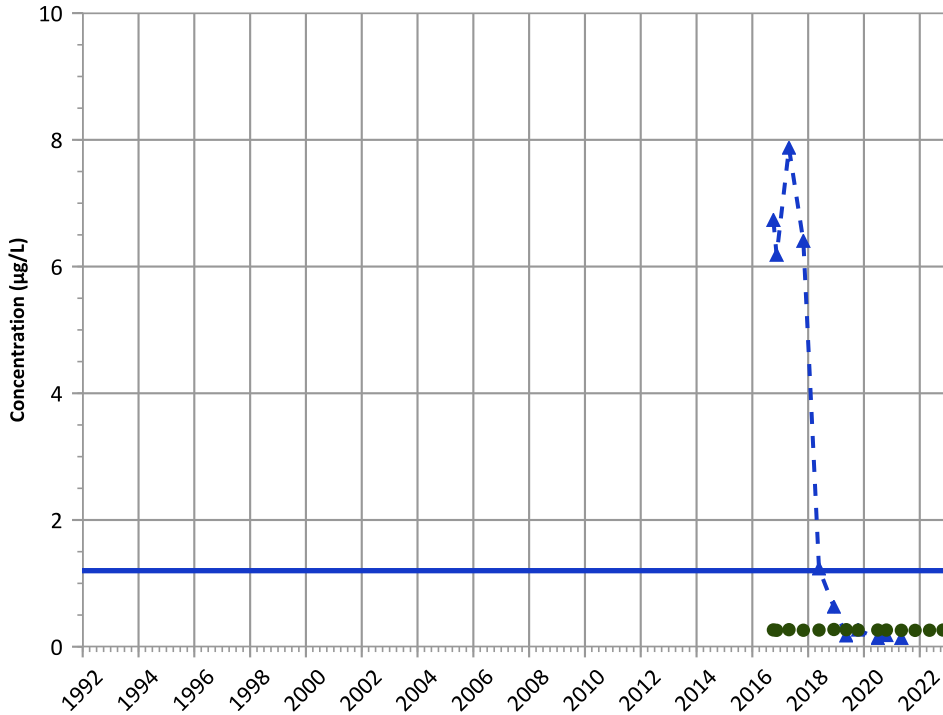
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

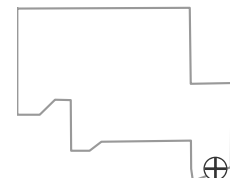
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

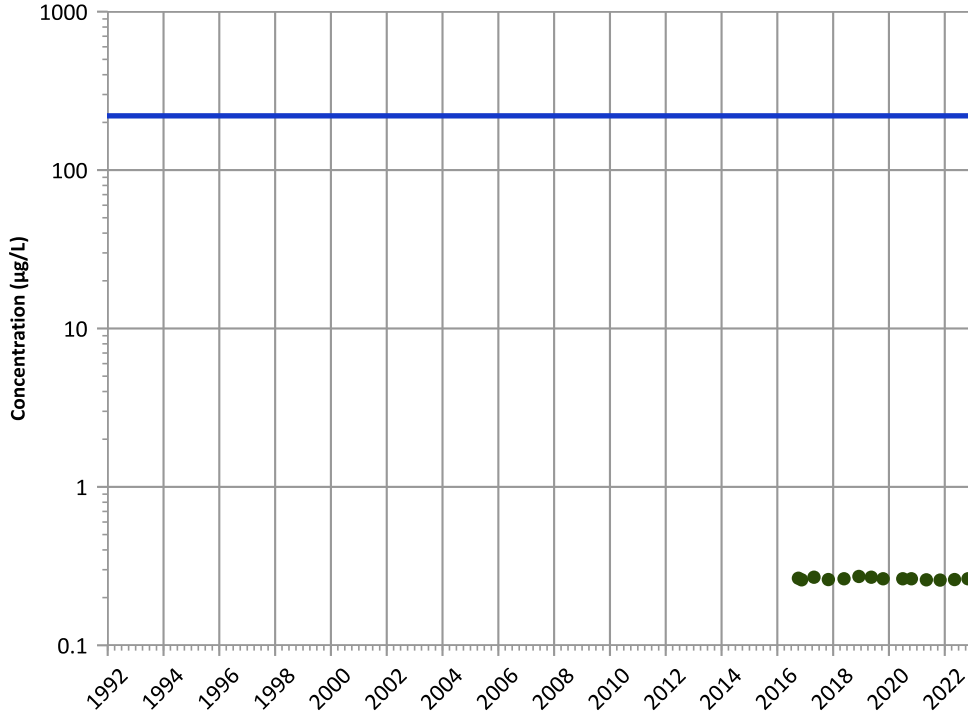
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

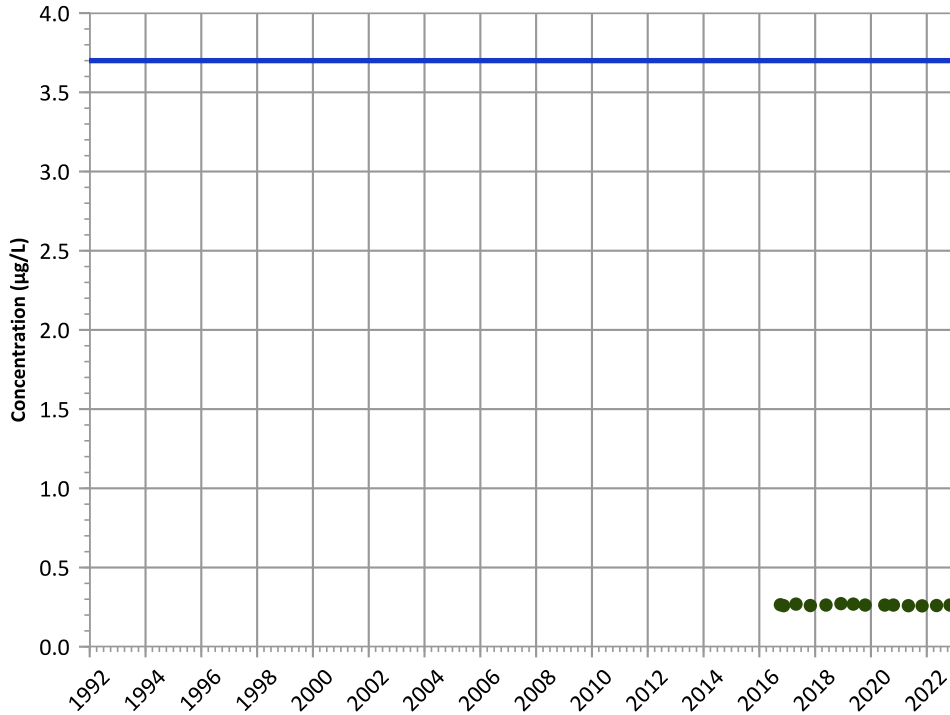
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

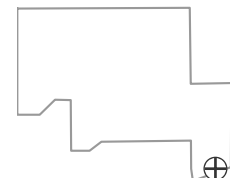
2020 - 2022 Data:

All Non-Detect

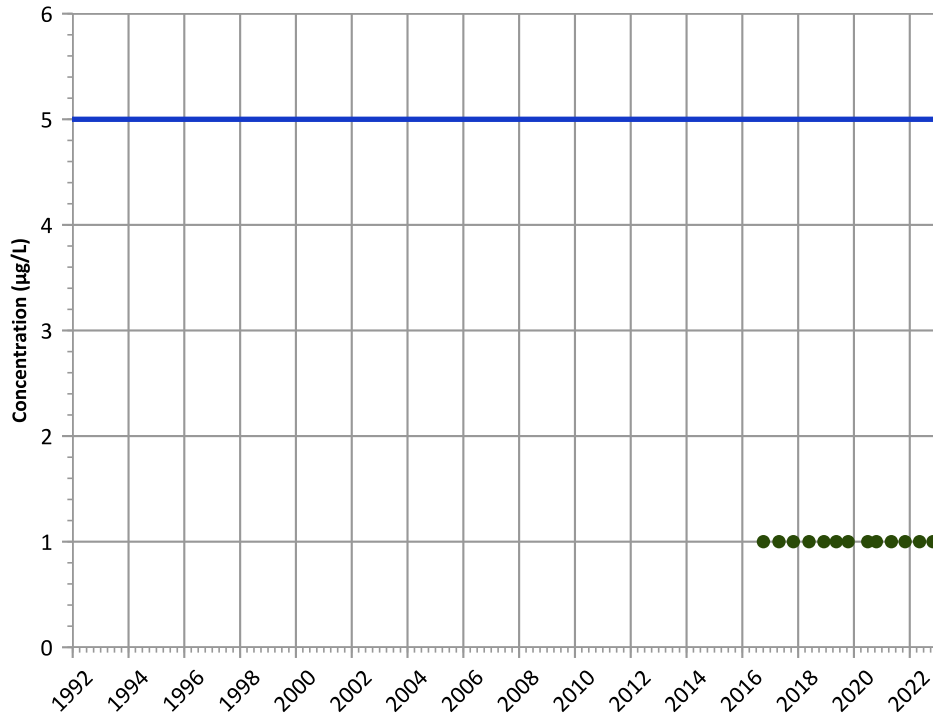
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

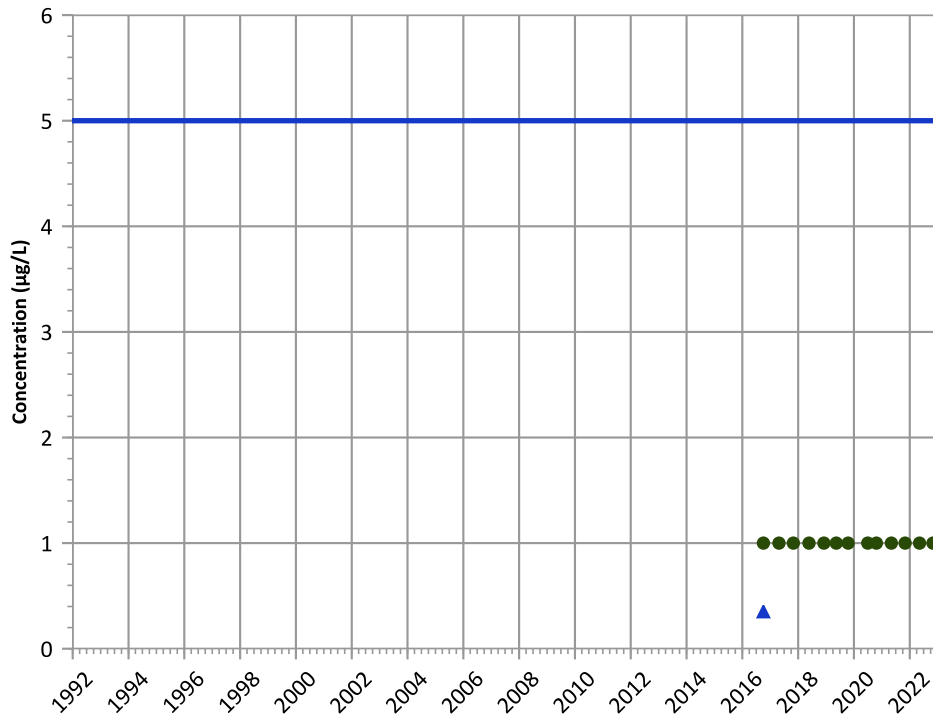


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**

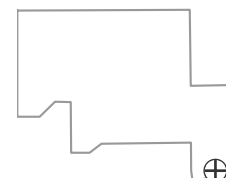


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

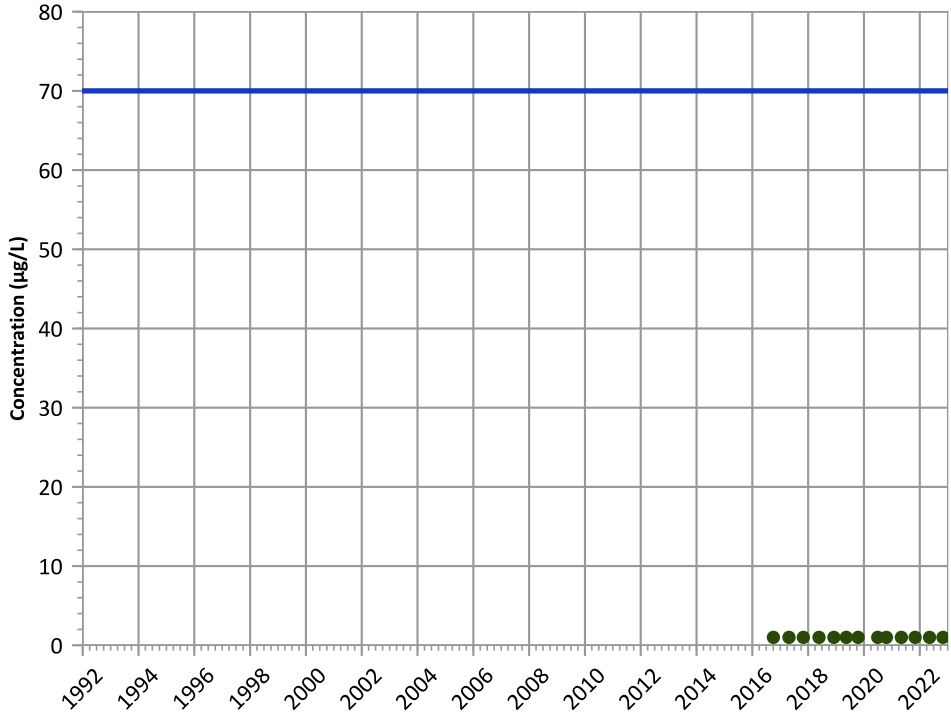
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

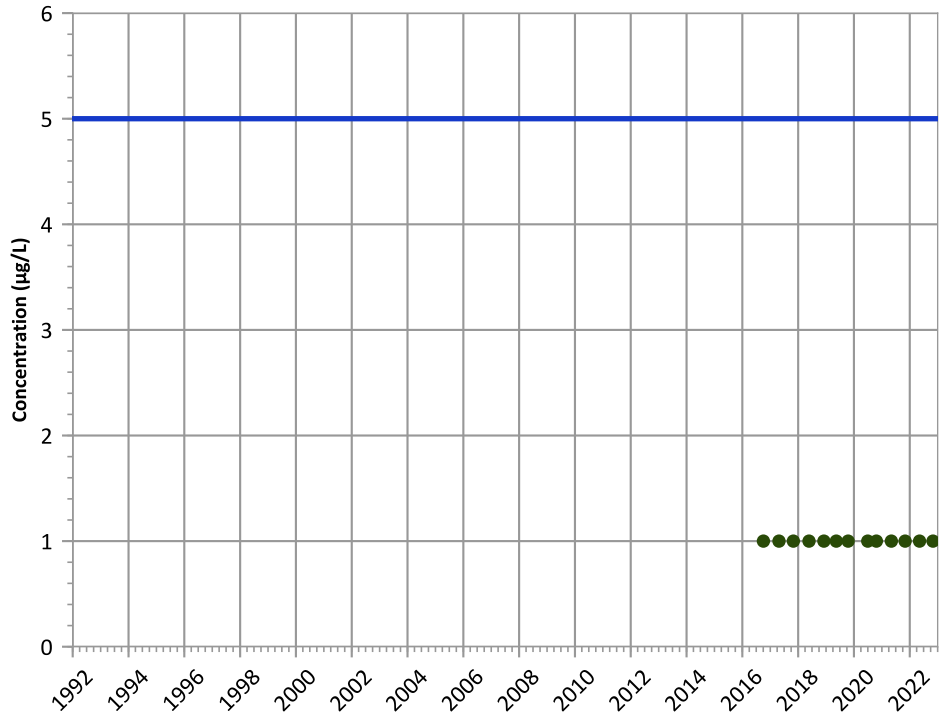


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**

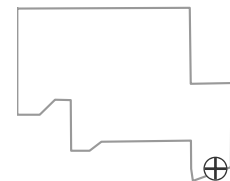


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

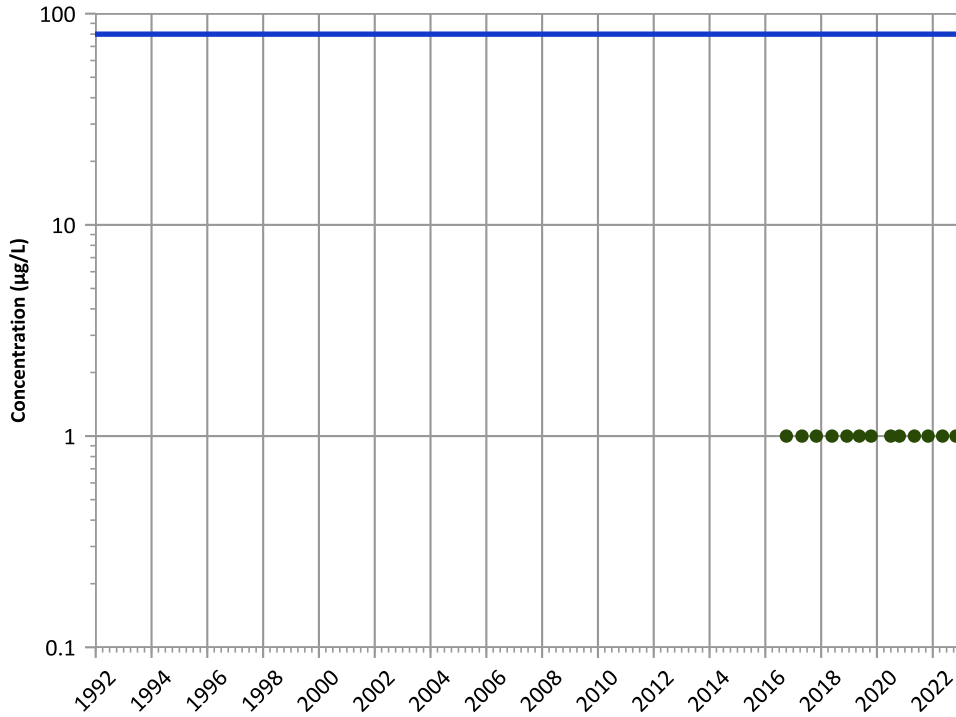
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

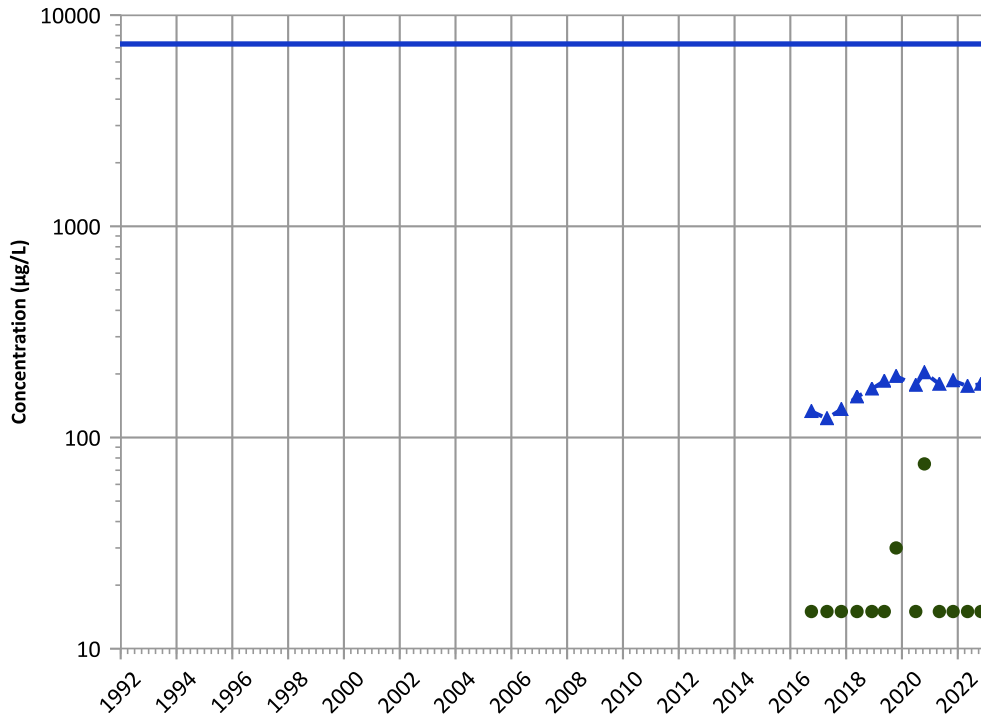


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

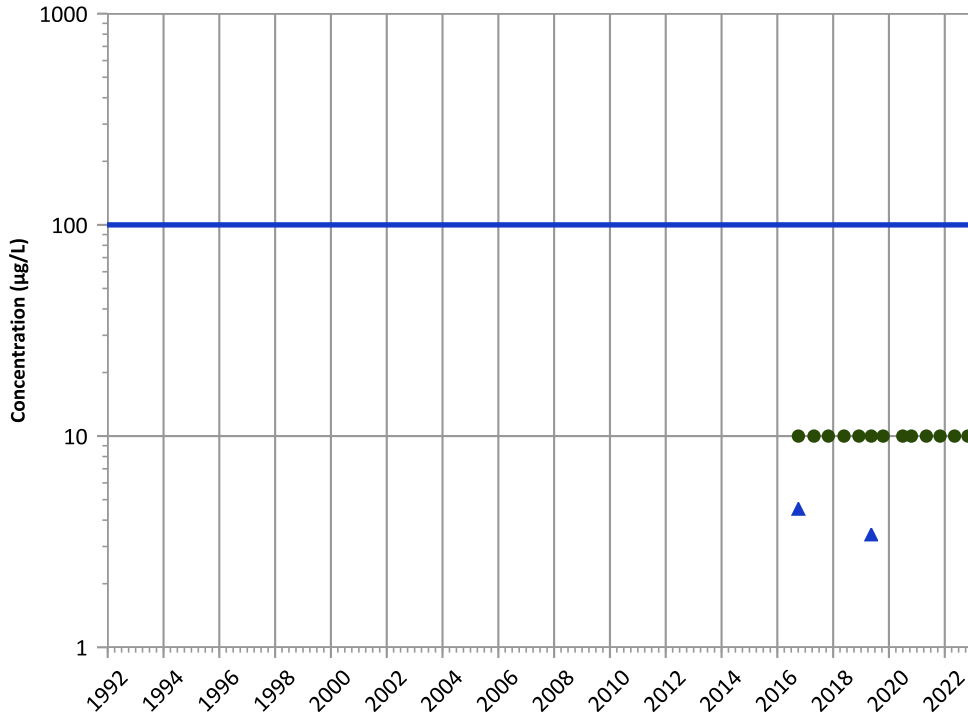
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

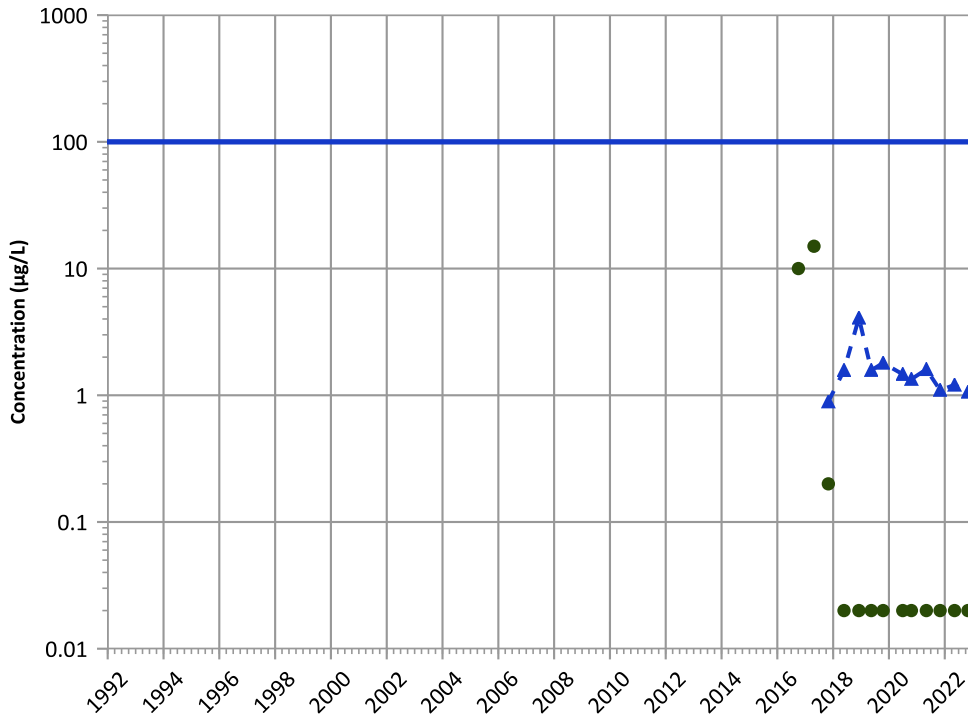


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chromium, Hexavalent Trend**



**Concentration Trend**

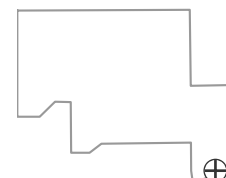
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

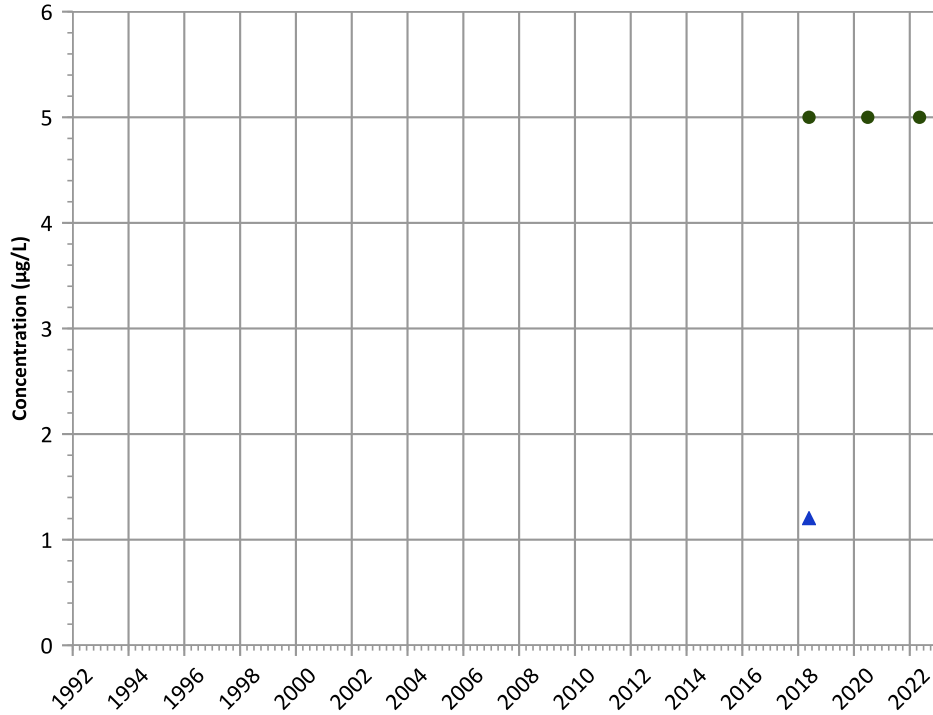
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

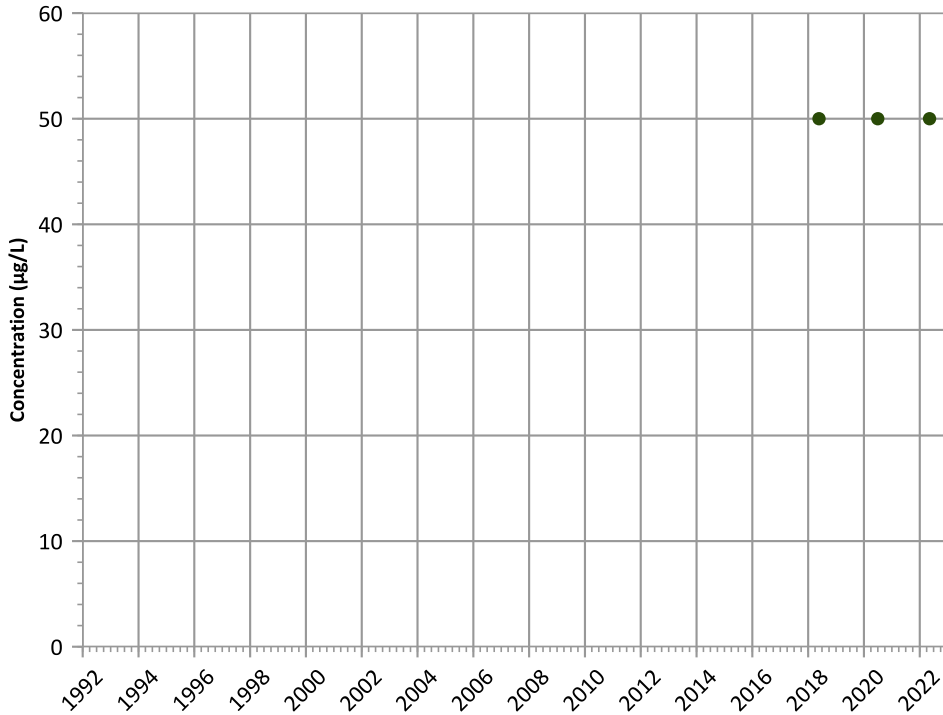


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

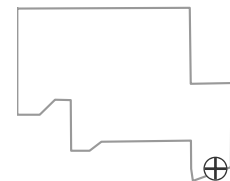


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

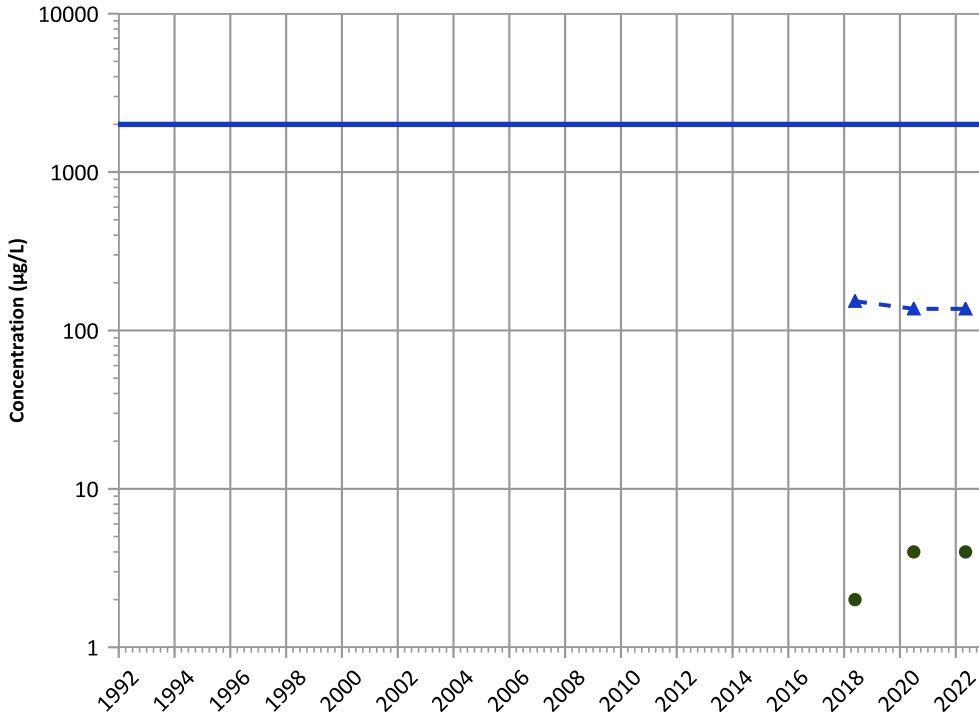


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

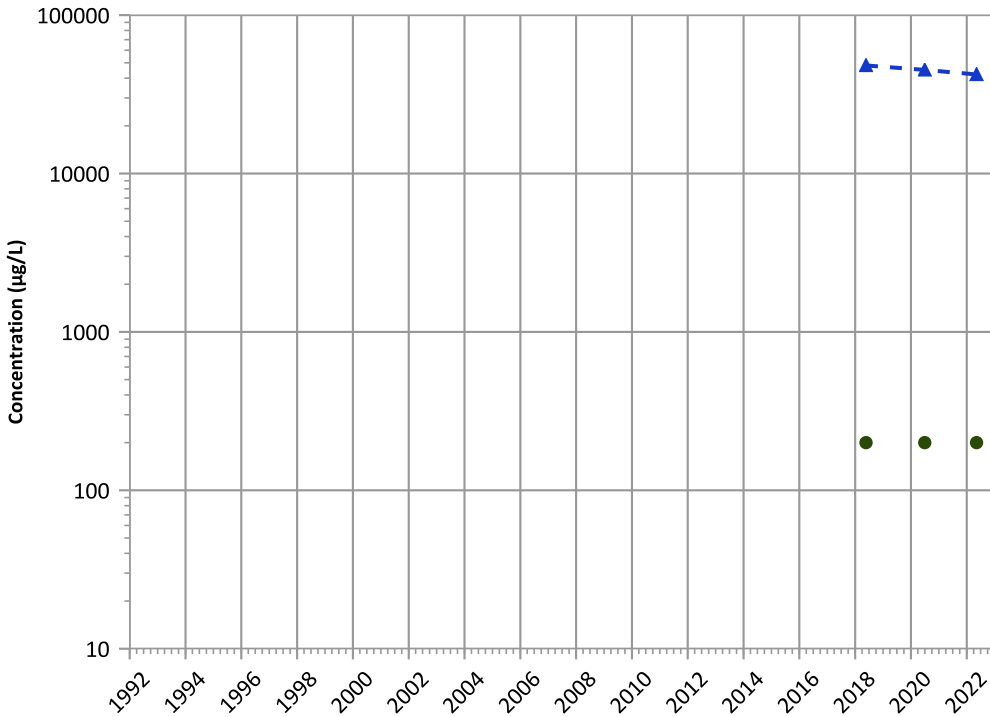


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

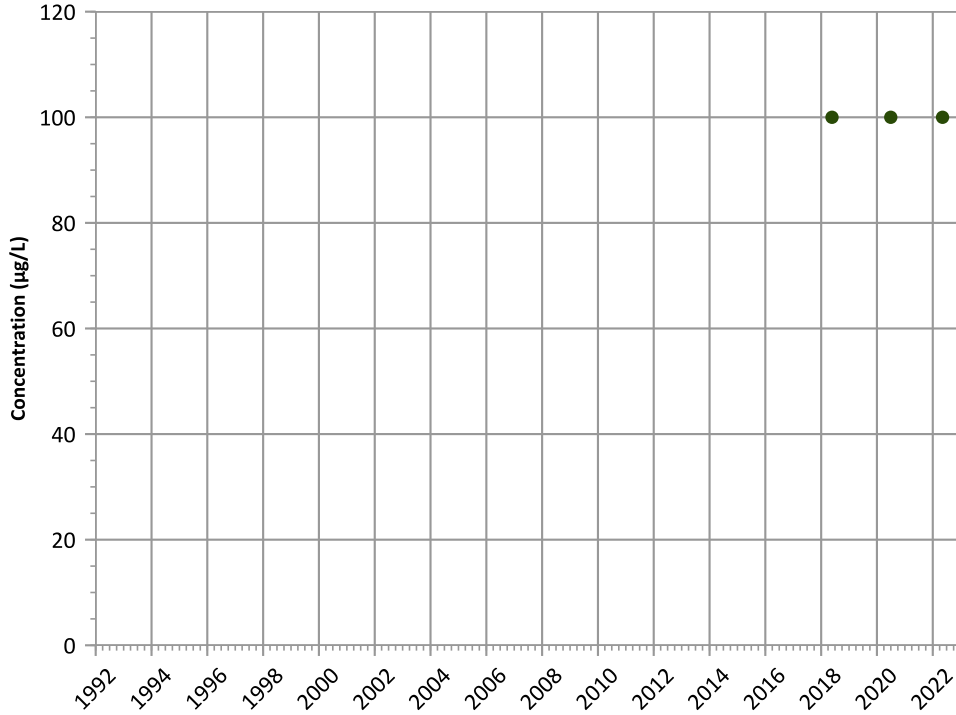


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

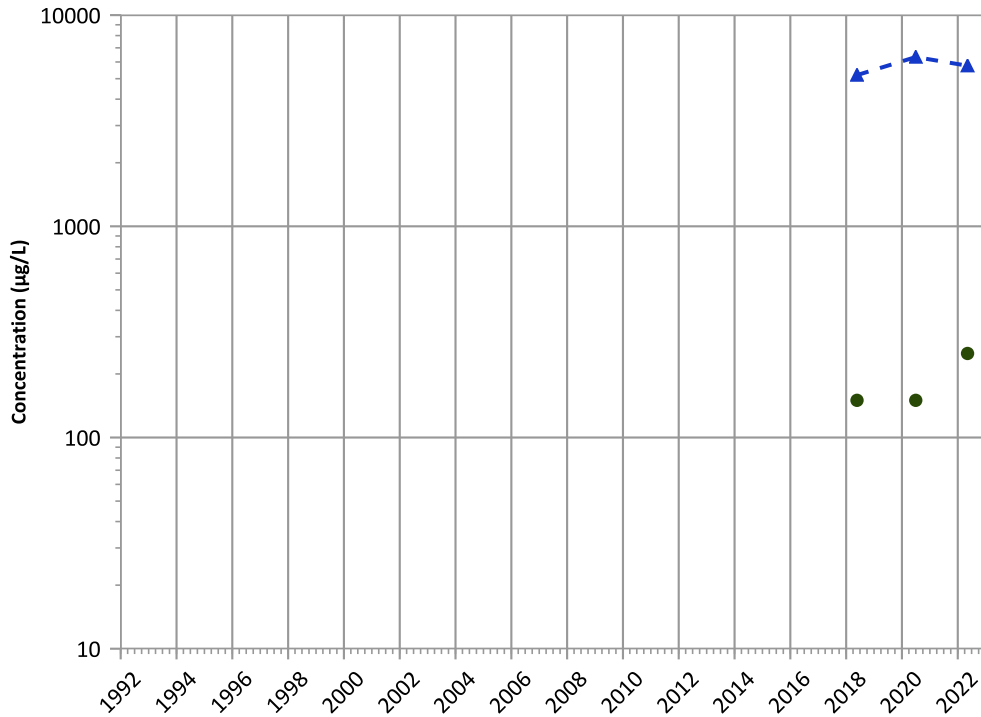


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Potassium Trend

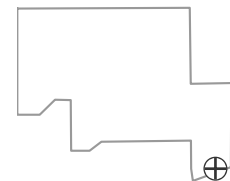


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

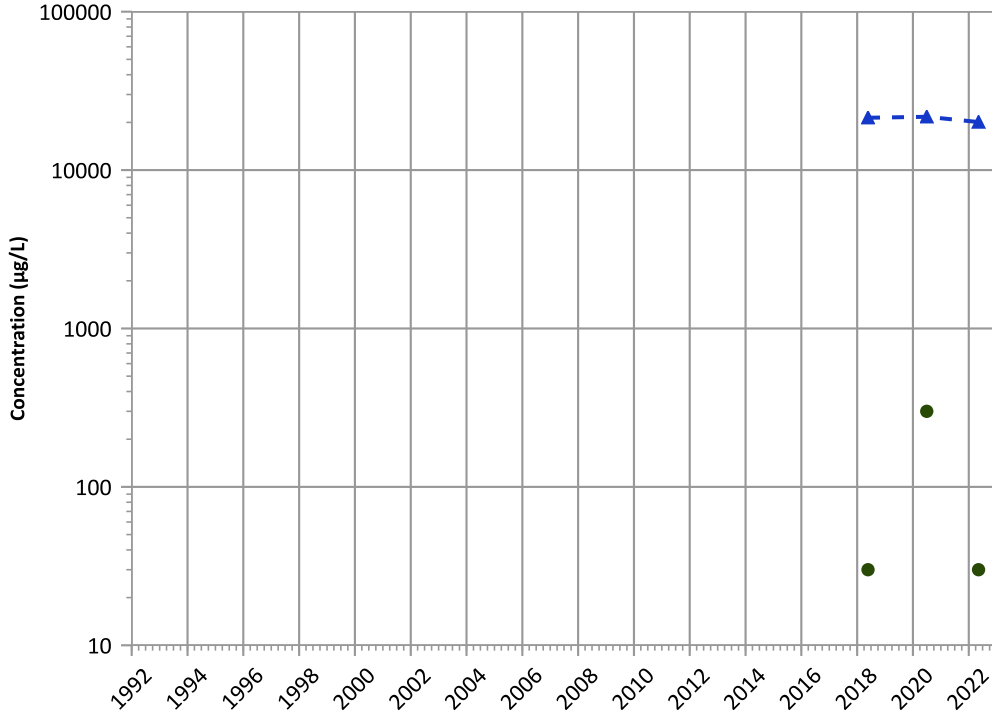


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

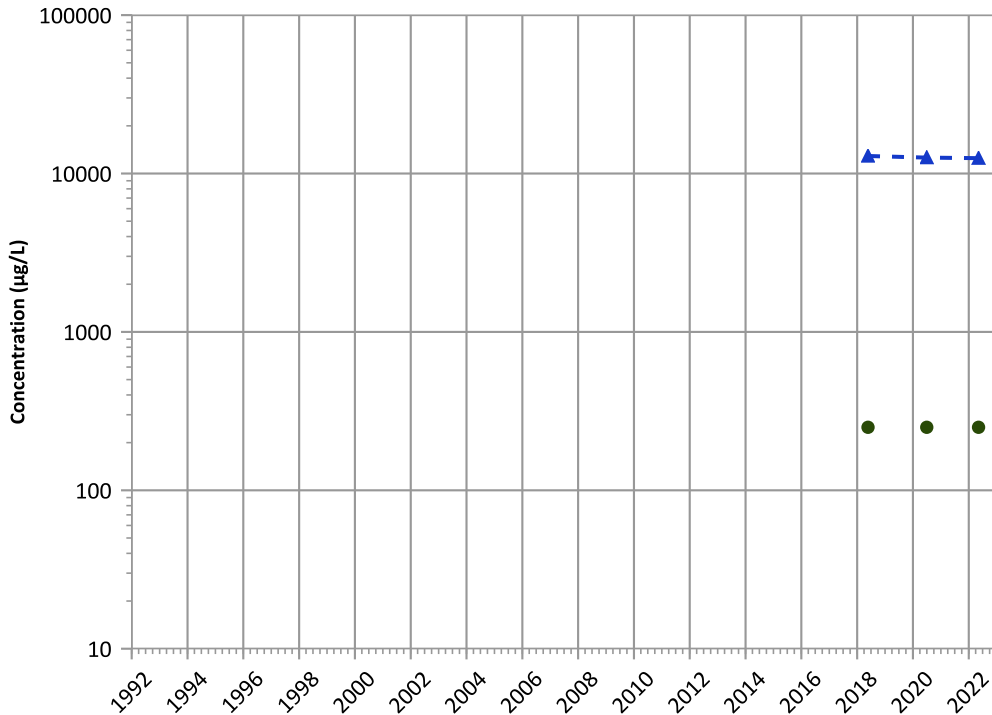


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

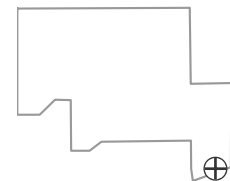


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

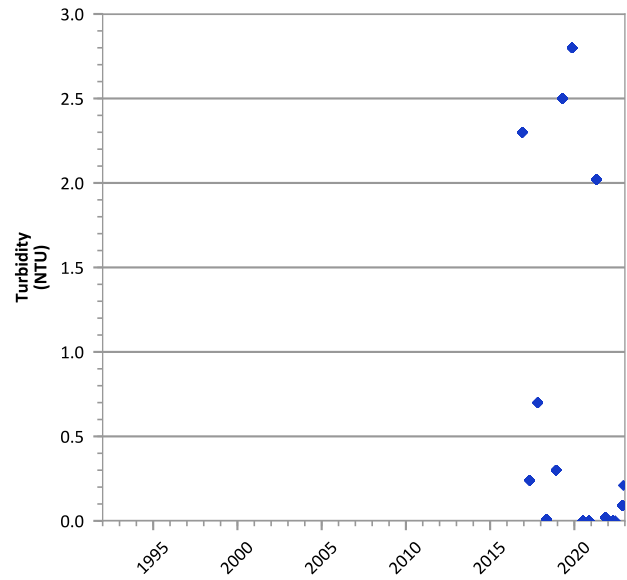
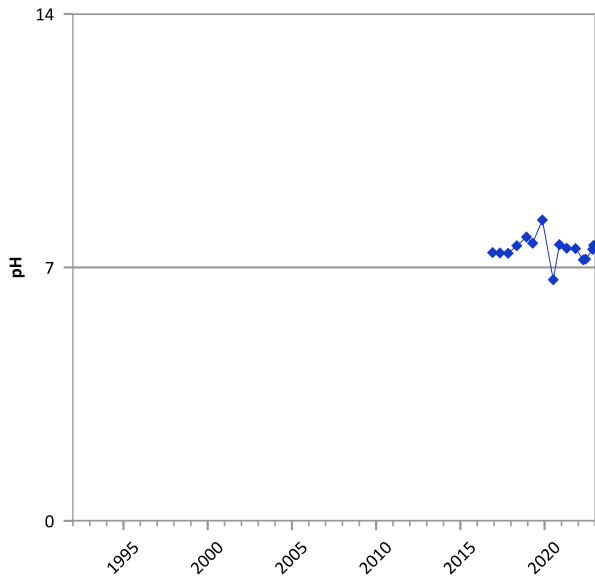
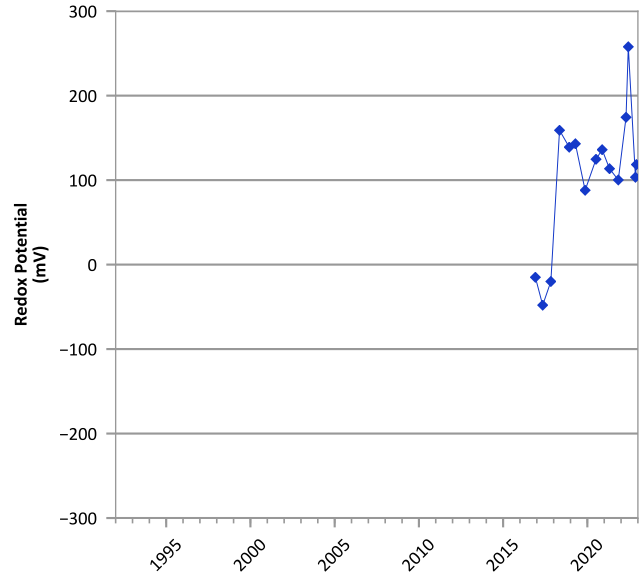
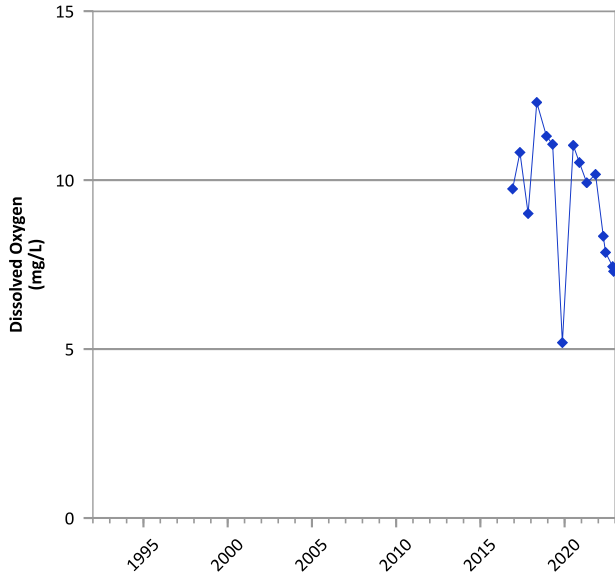
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/03/2016 to 11/01/2022  
Analysis Date: 04/27/2023

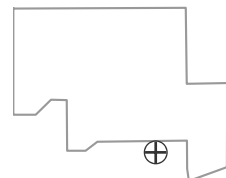
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



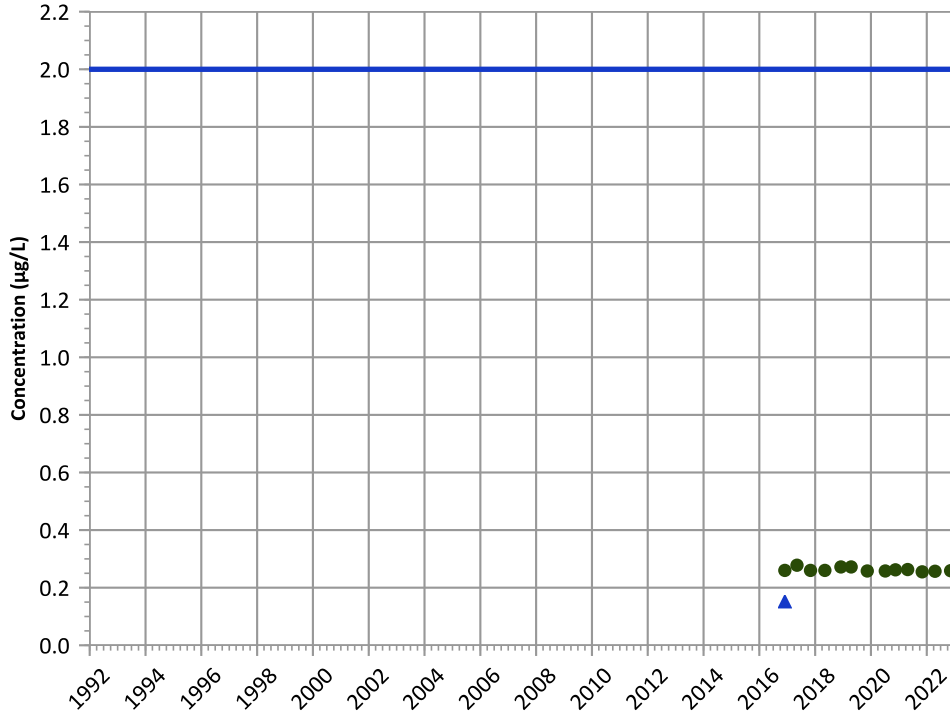
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/30/2016 to 11/29/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

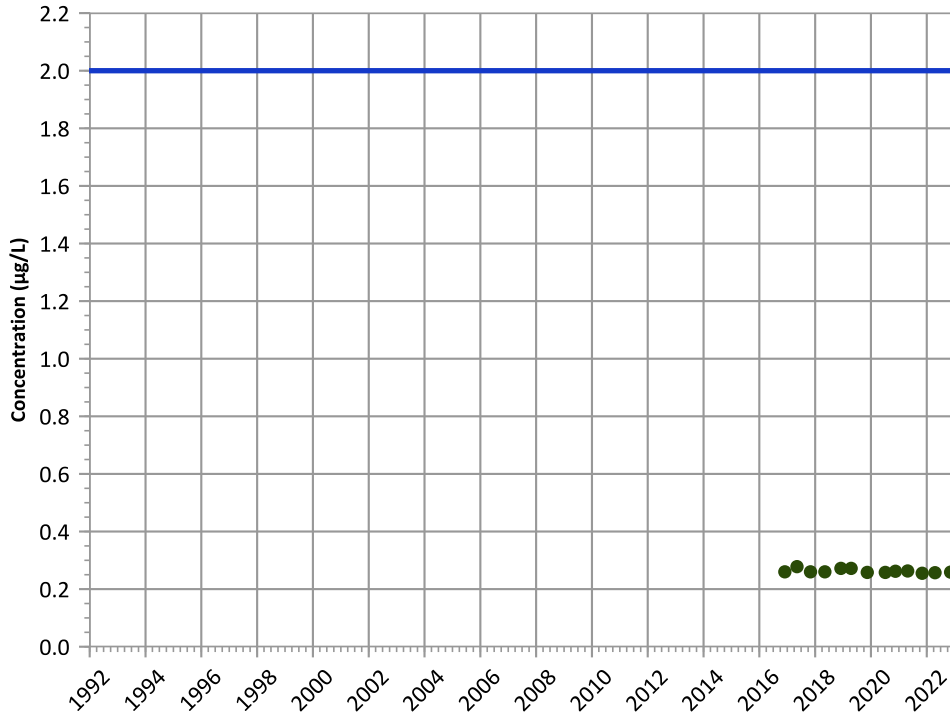


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

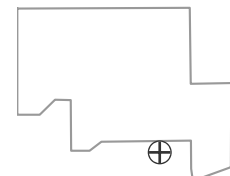


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

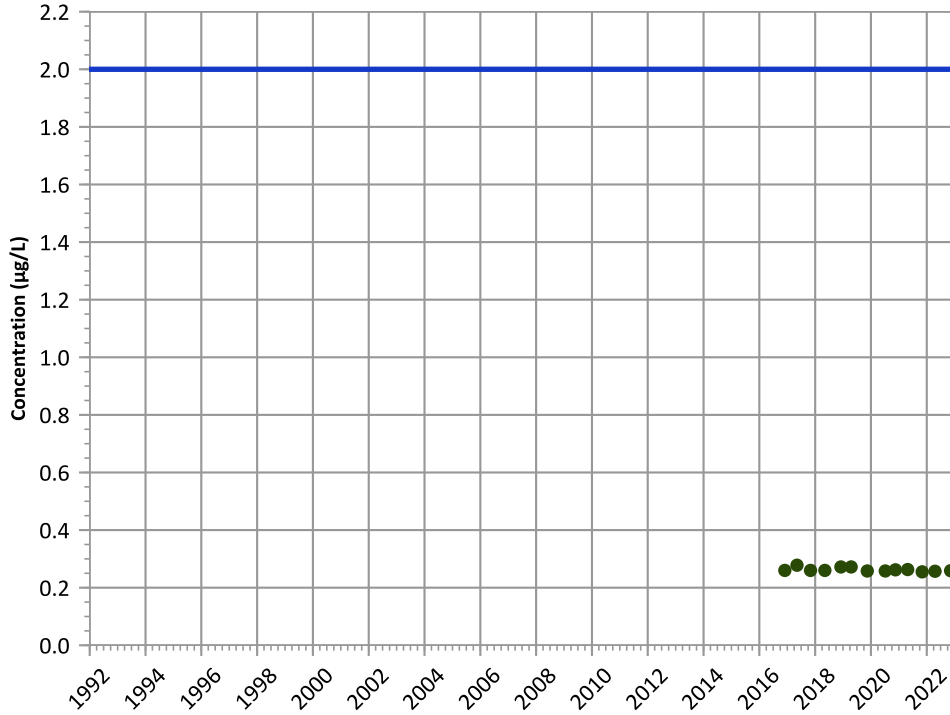


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

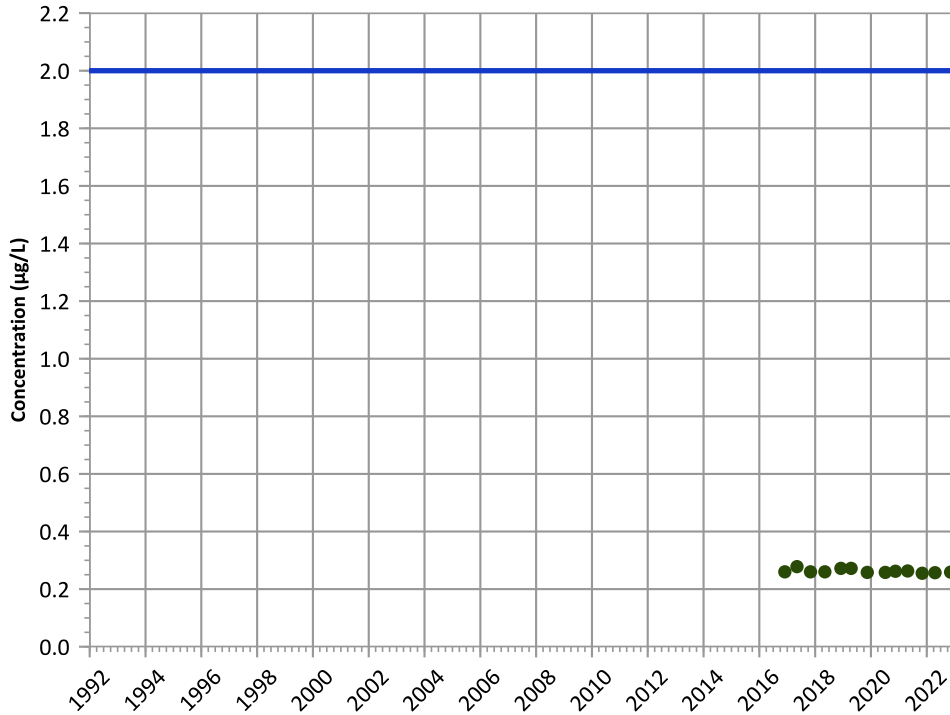
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

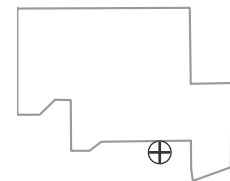
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location



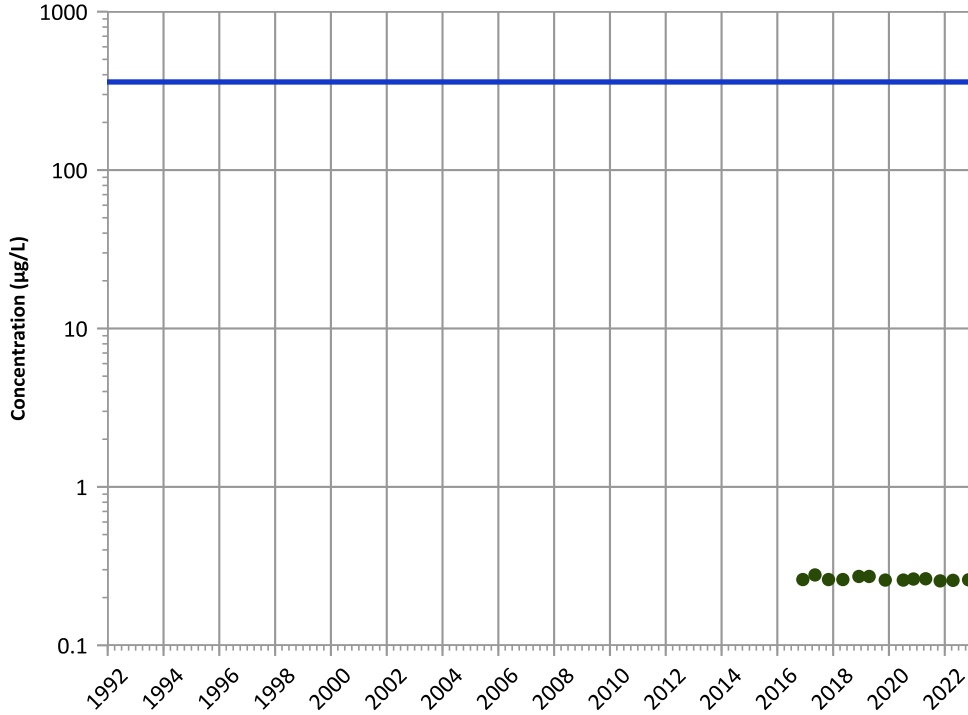
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

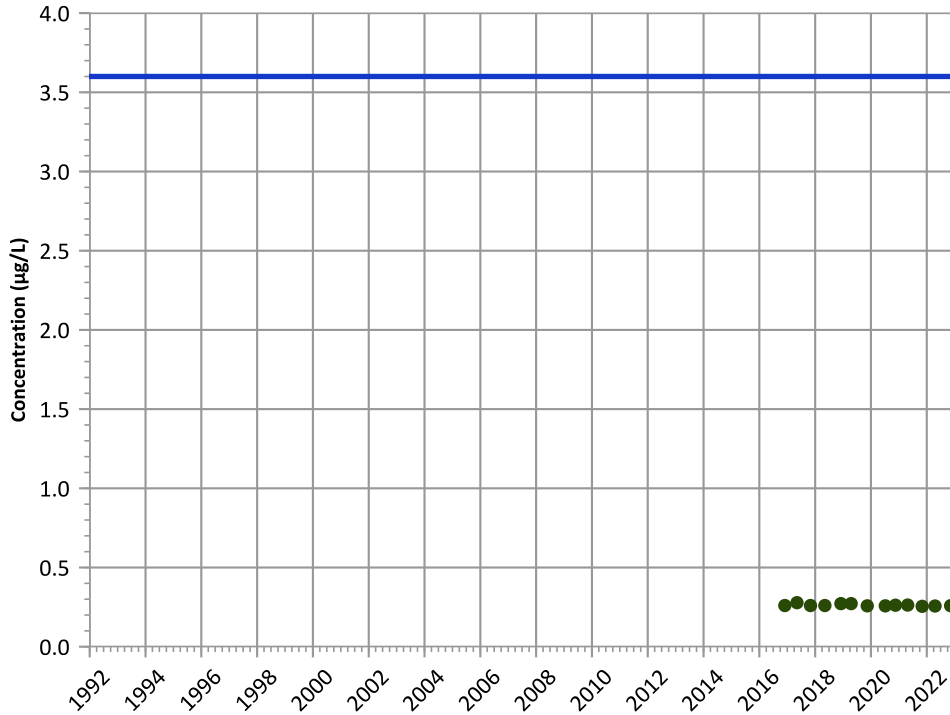
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

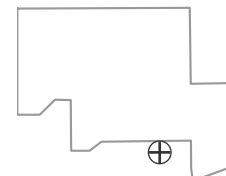
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

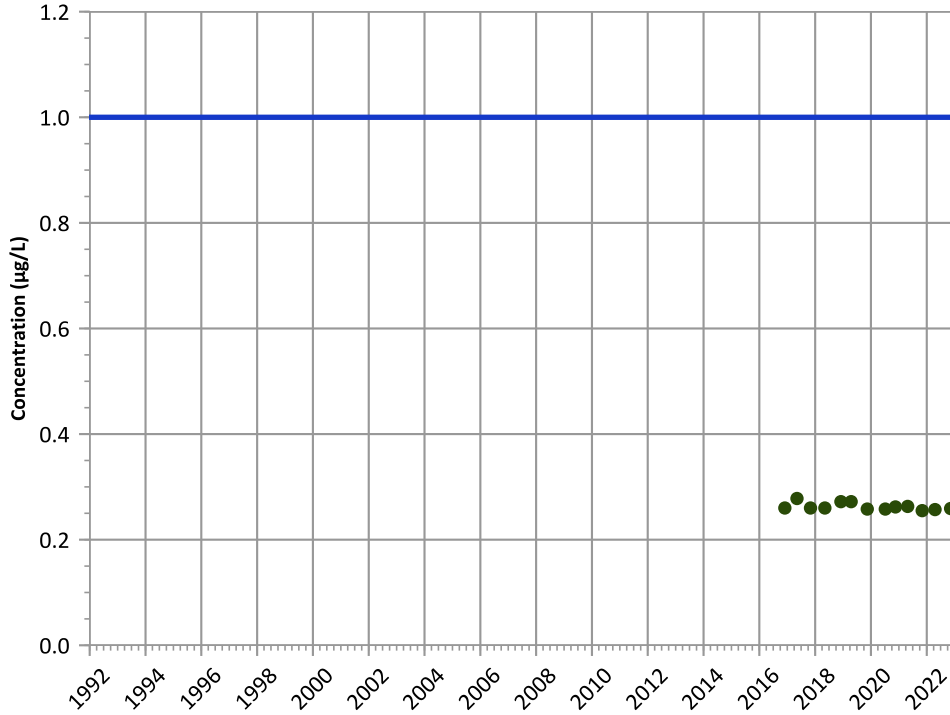
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

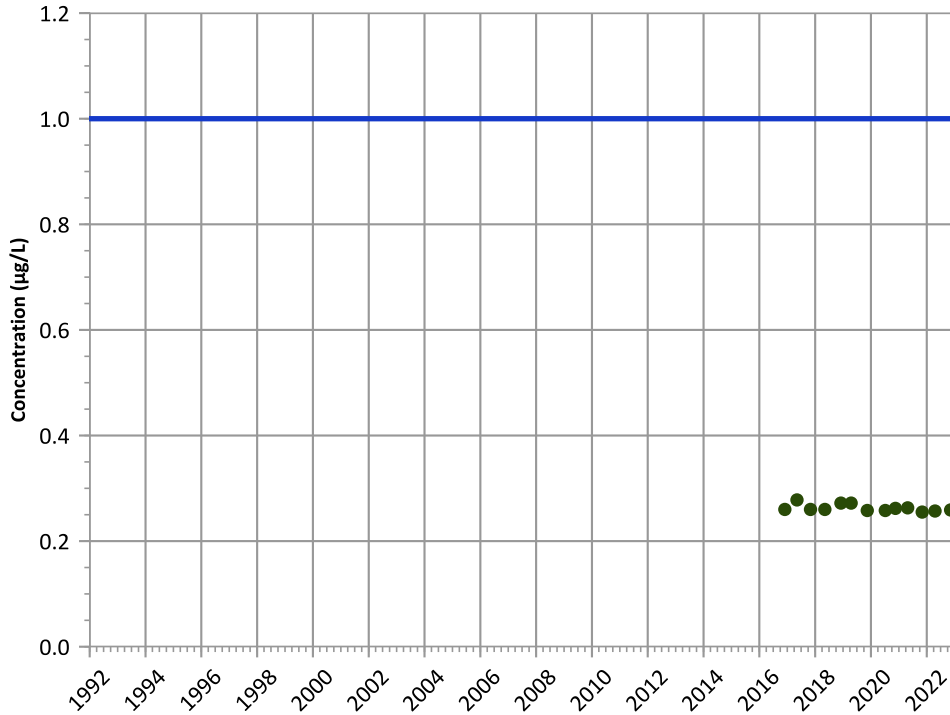
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

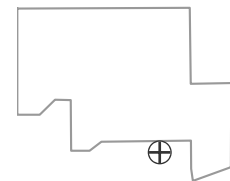
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

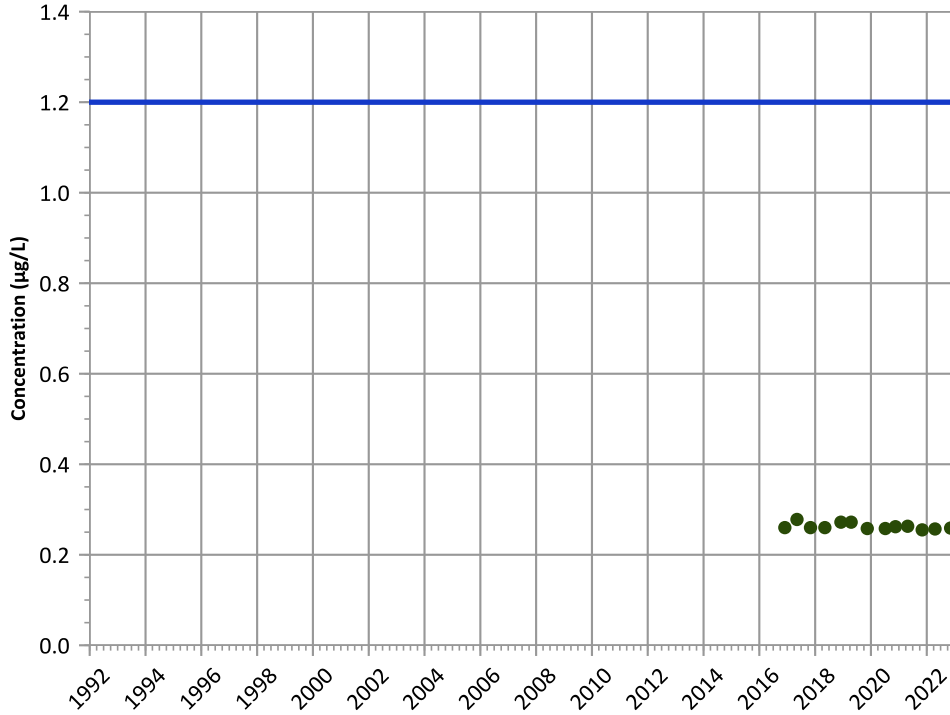


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

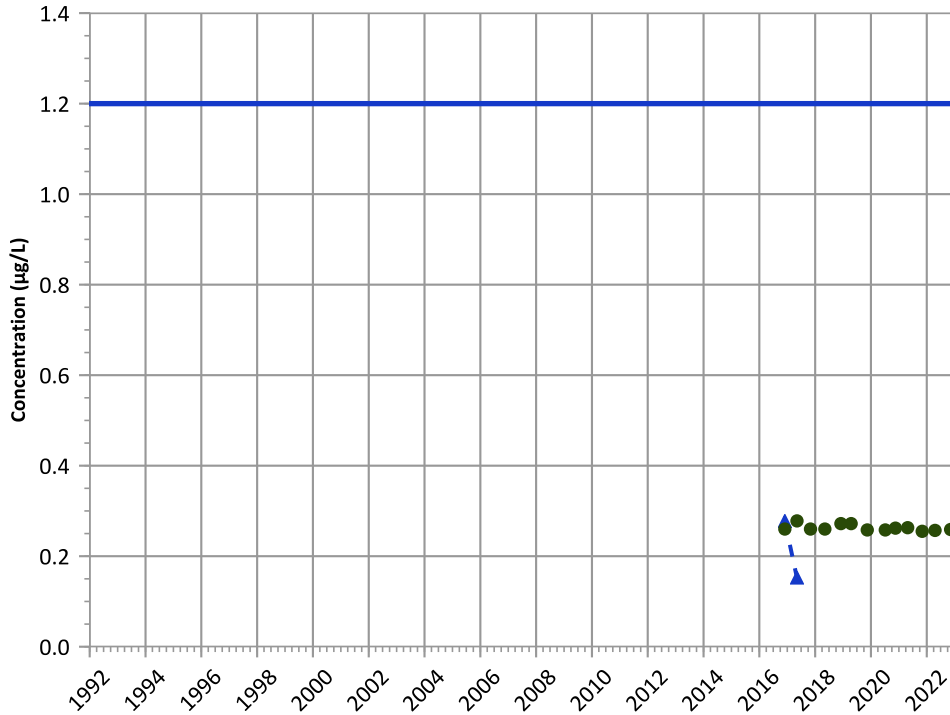
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

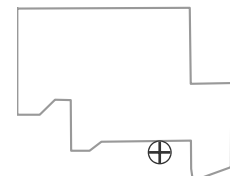
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

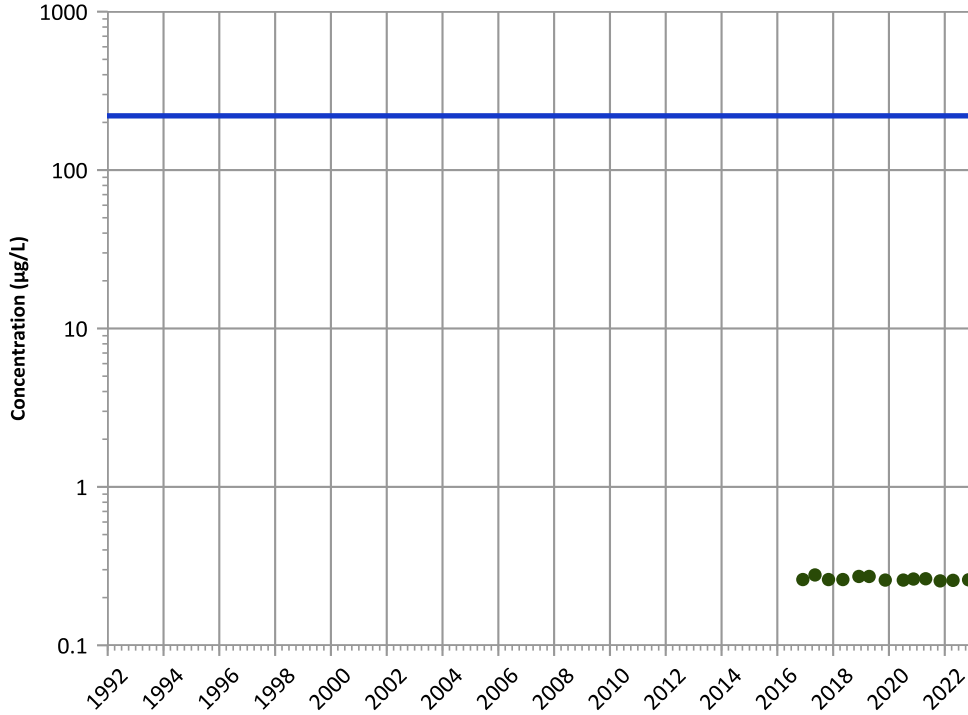
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

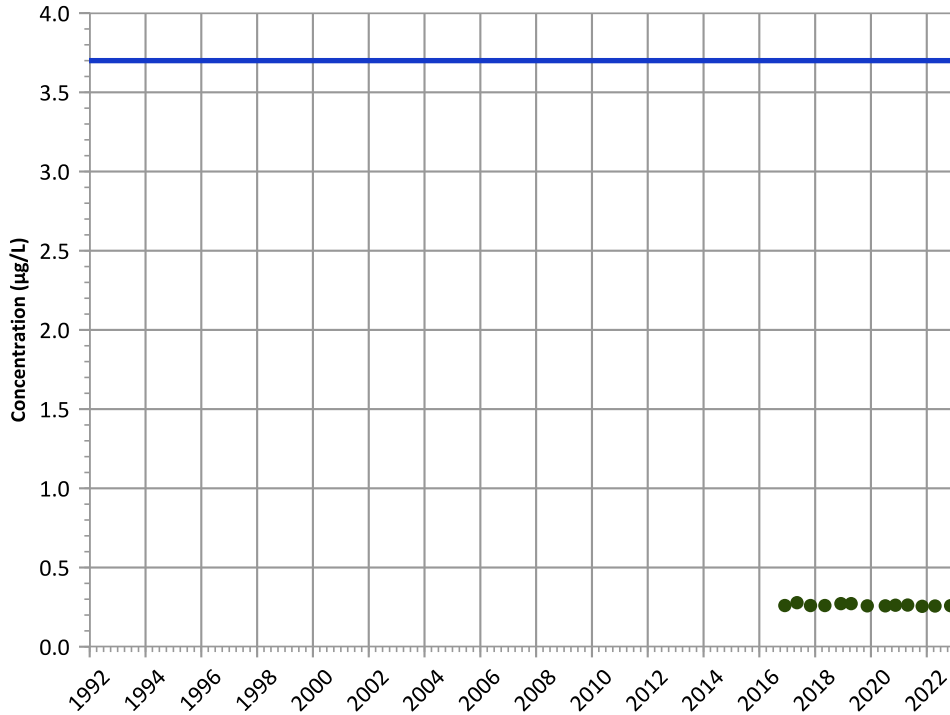
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

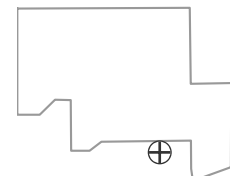
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

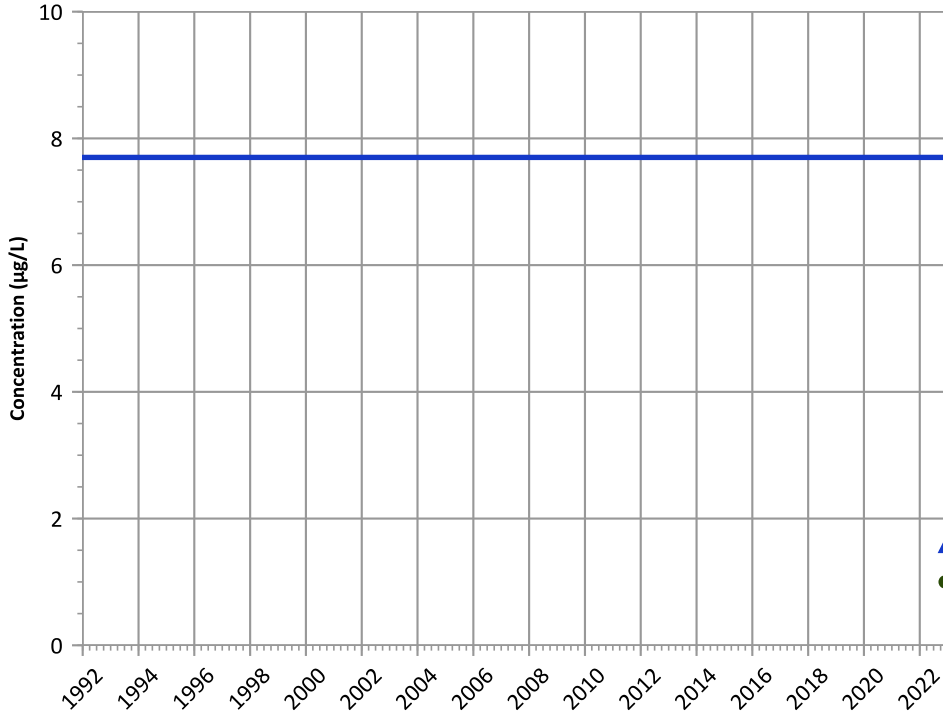
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

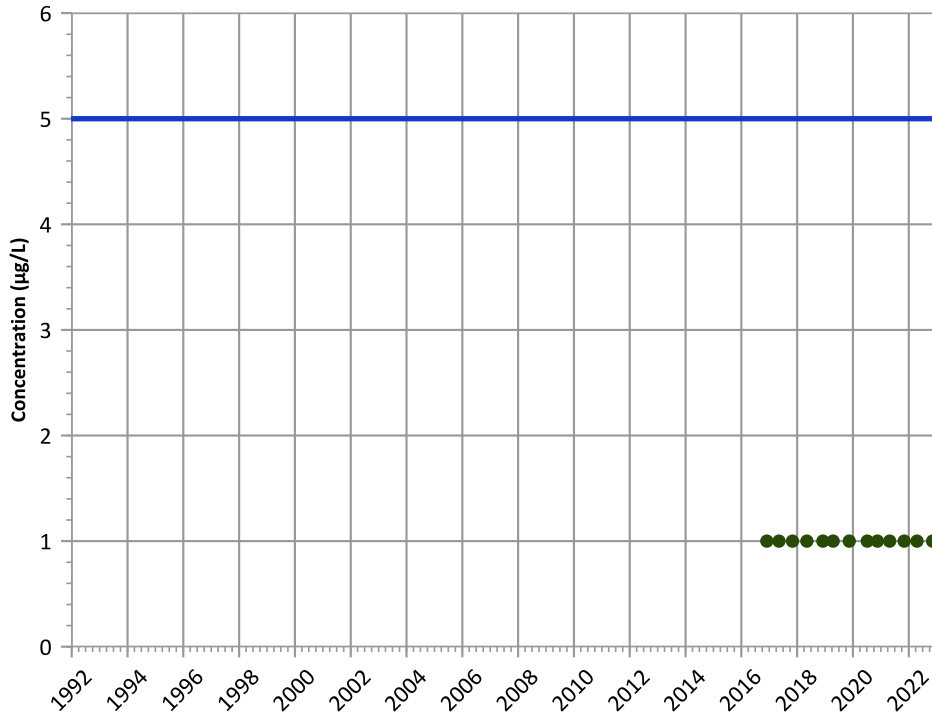
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

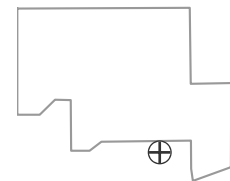
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

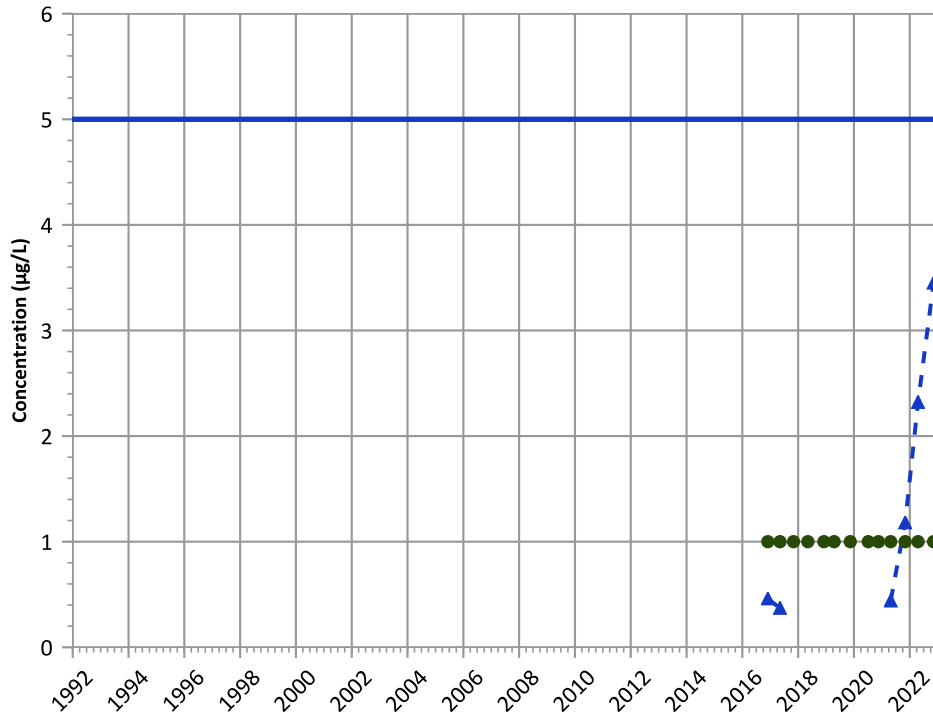


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

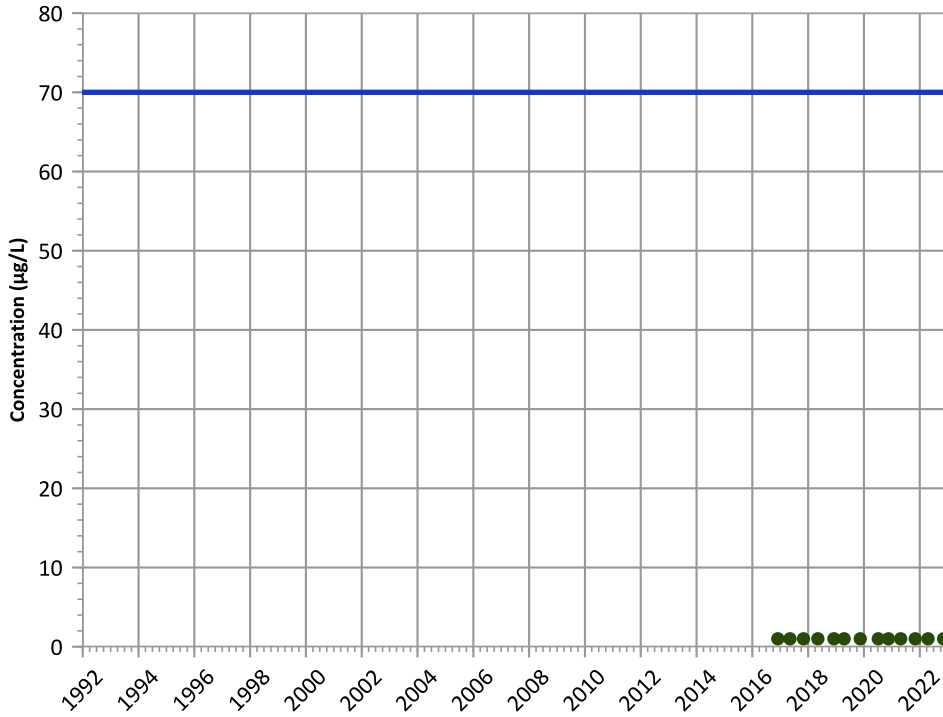
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

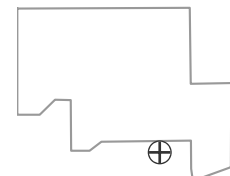
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 11/30/2016 to 11/29/2022

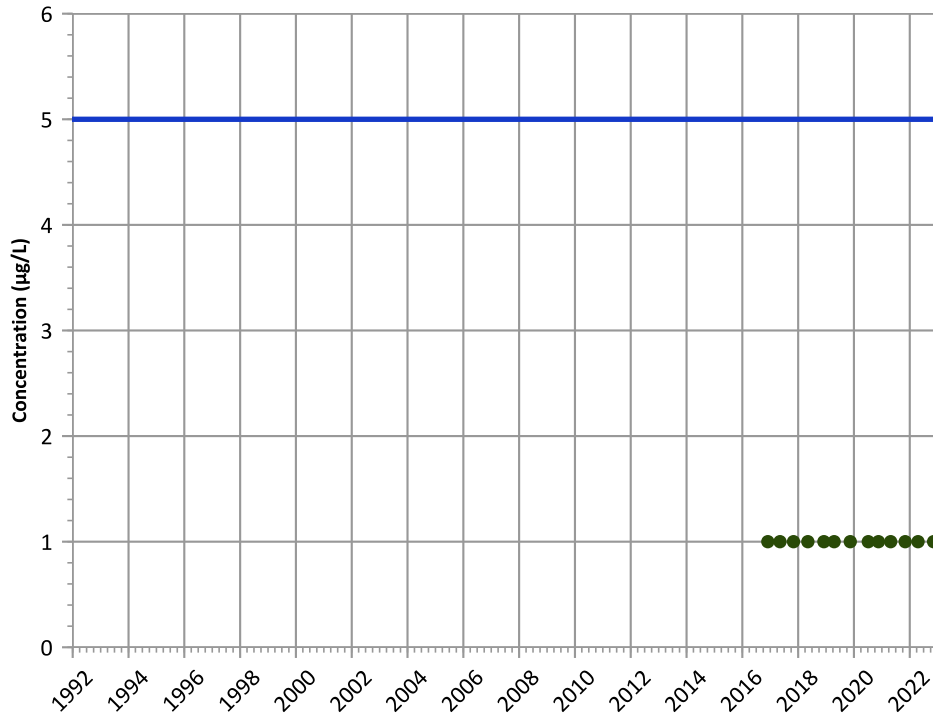
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

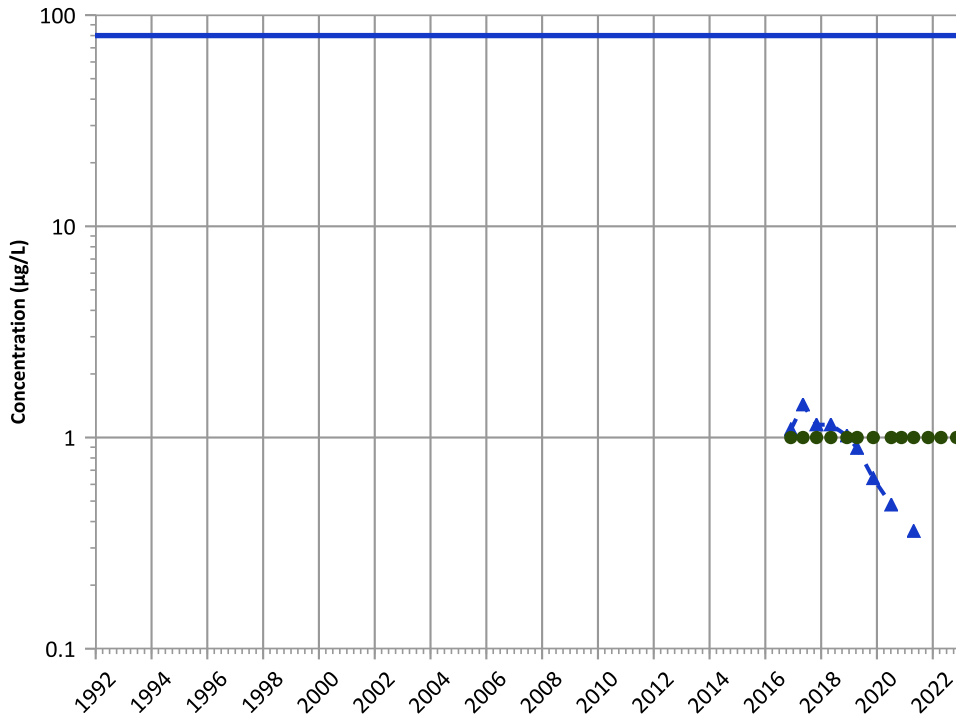
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

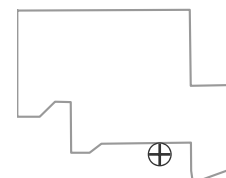
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 11/30/2016 to 11/29/2022

Analysis Date: 04/27/2023

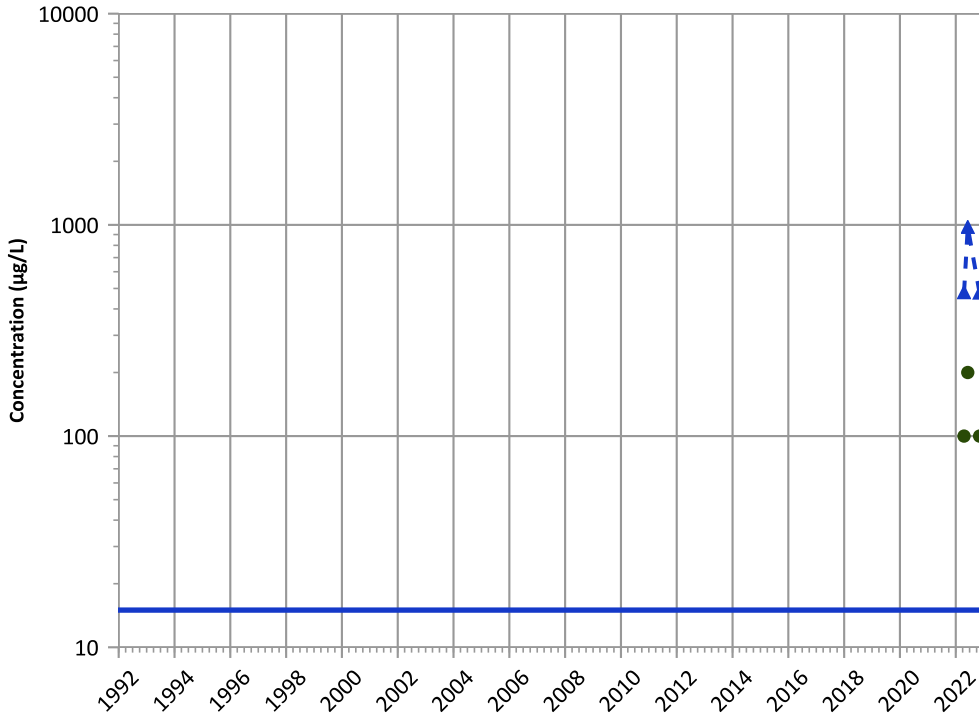
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

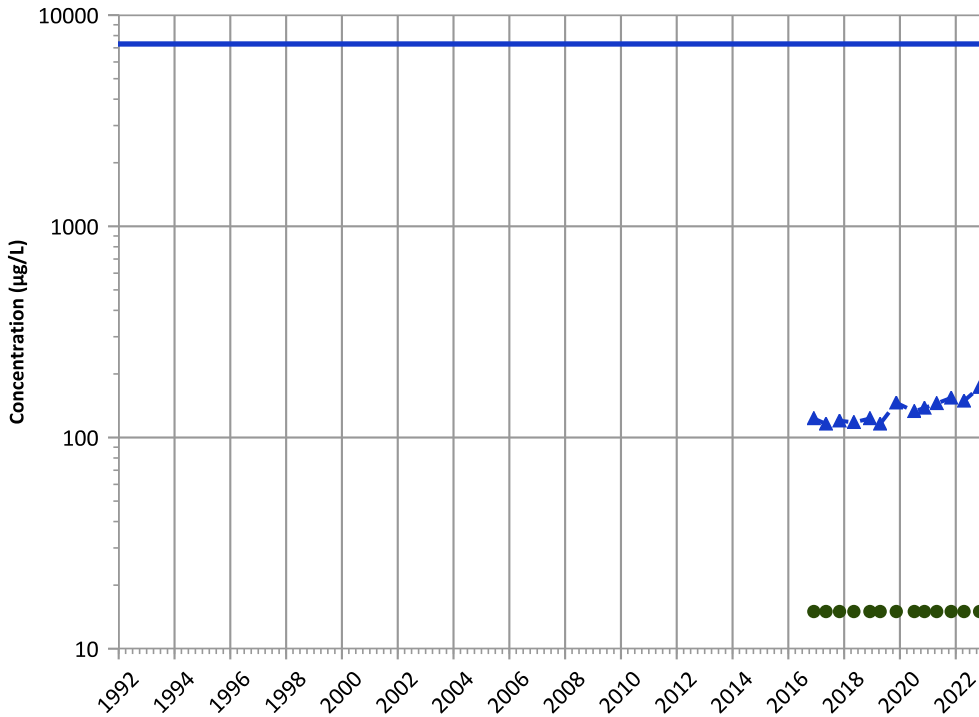


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Boron Trend

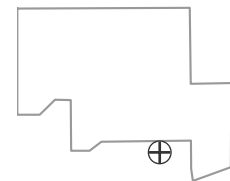


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Well Location



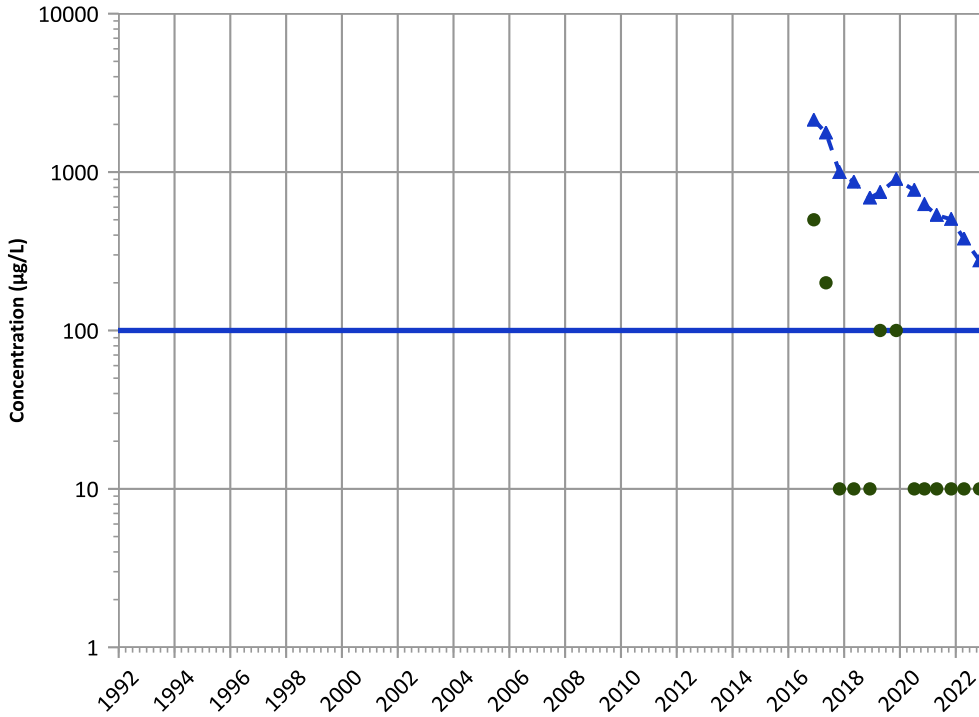
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

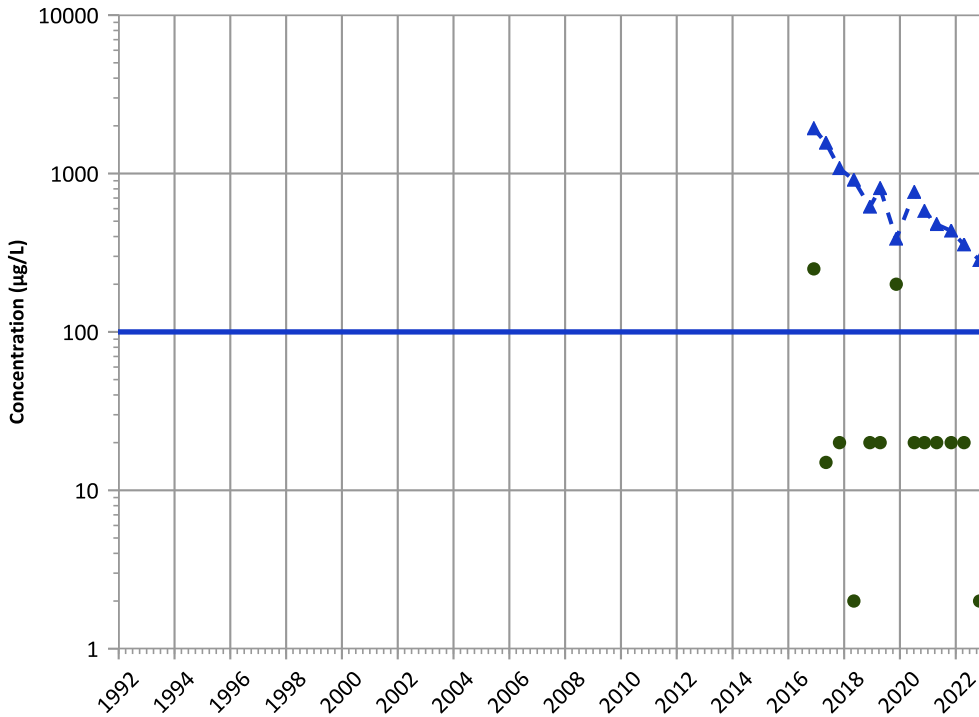


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Chromium, Hexavalent Trend

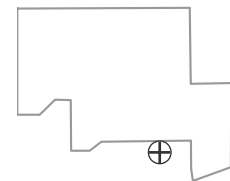


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

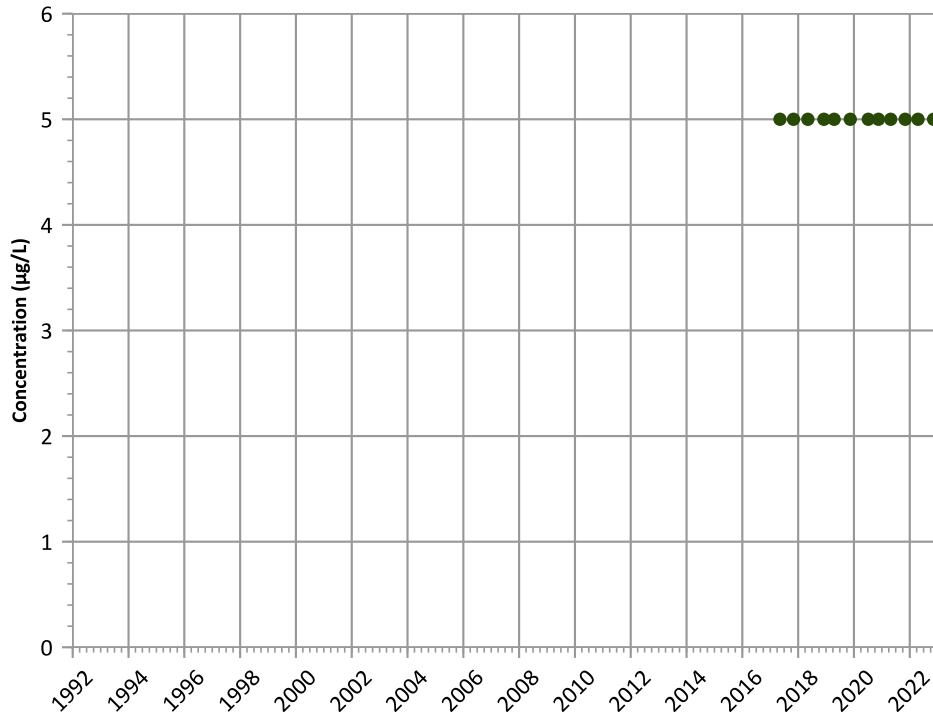
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend**

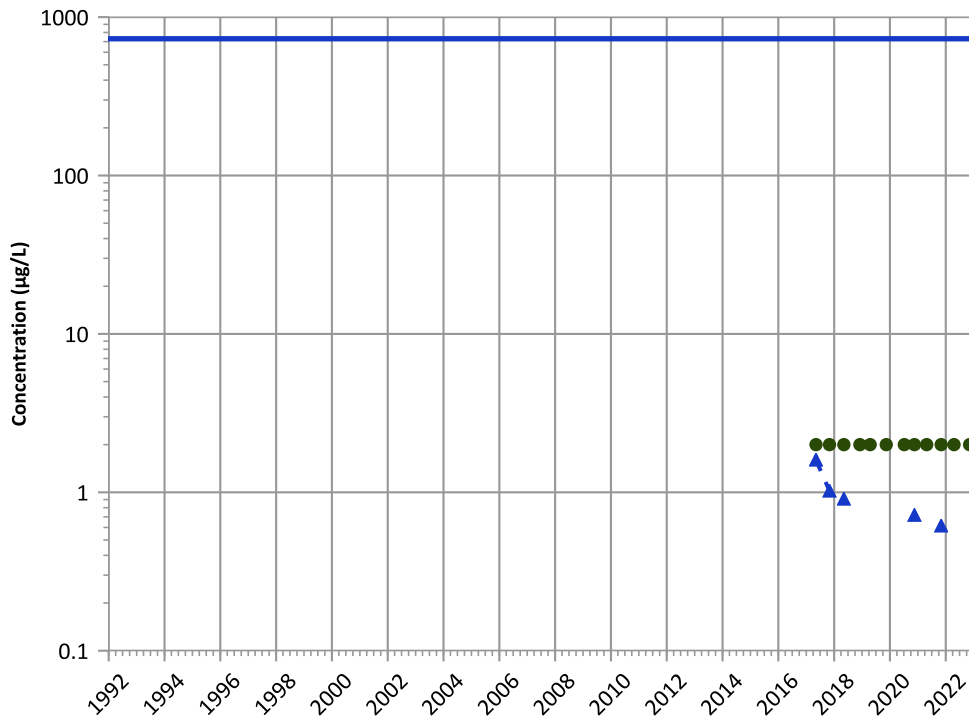


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Nickel Trend**



**Concentration Trend**

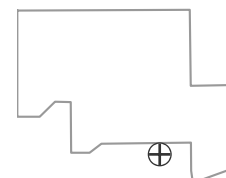
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

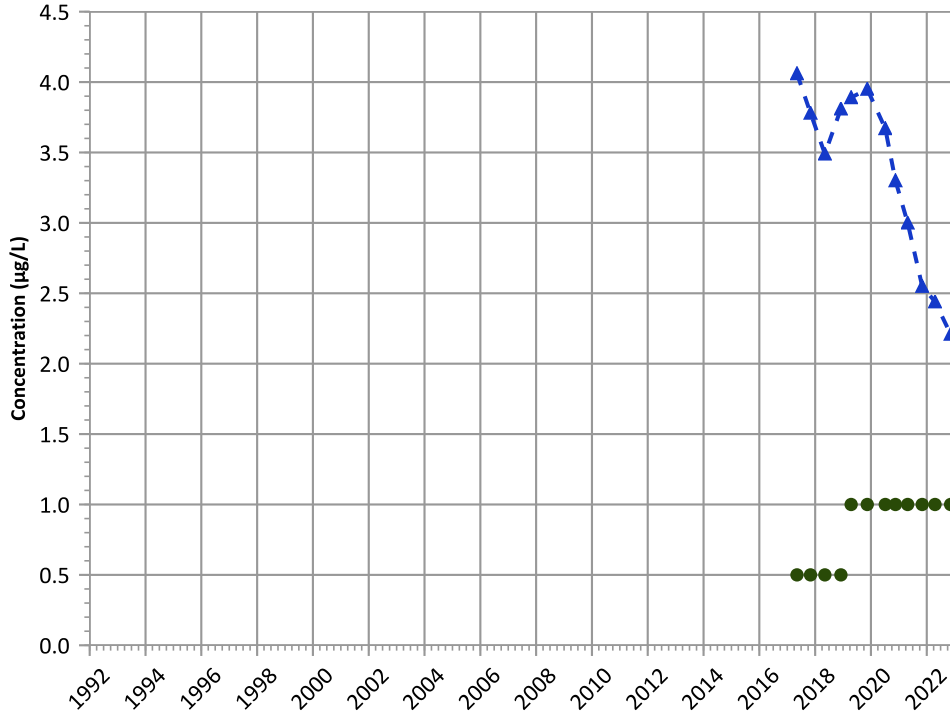
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

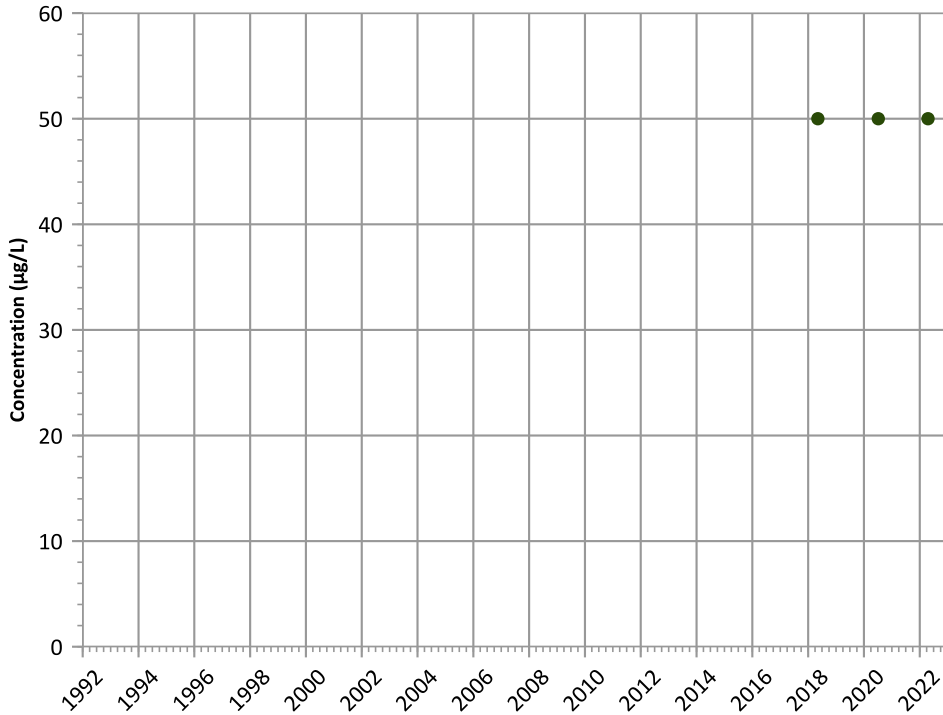


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Aluminum Trend

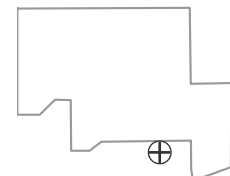


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

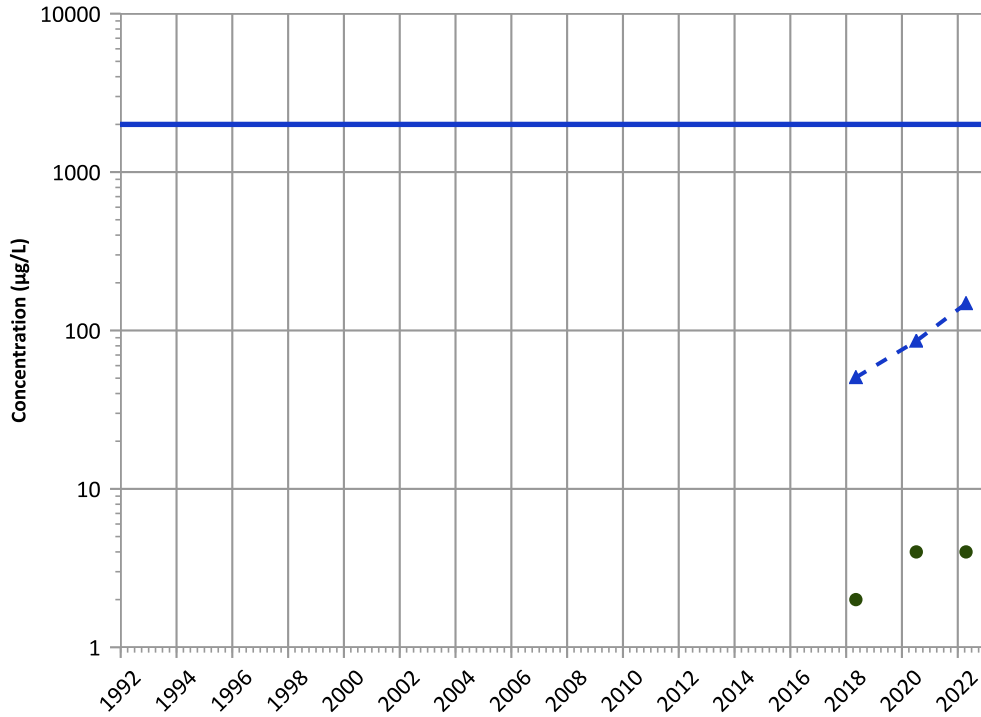


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

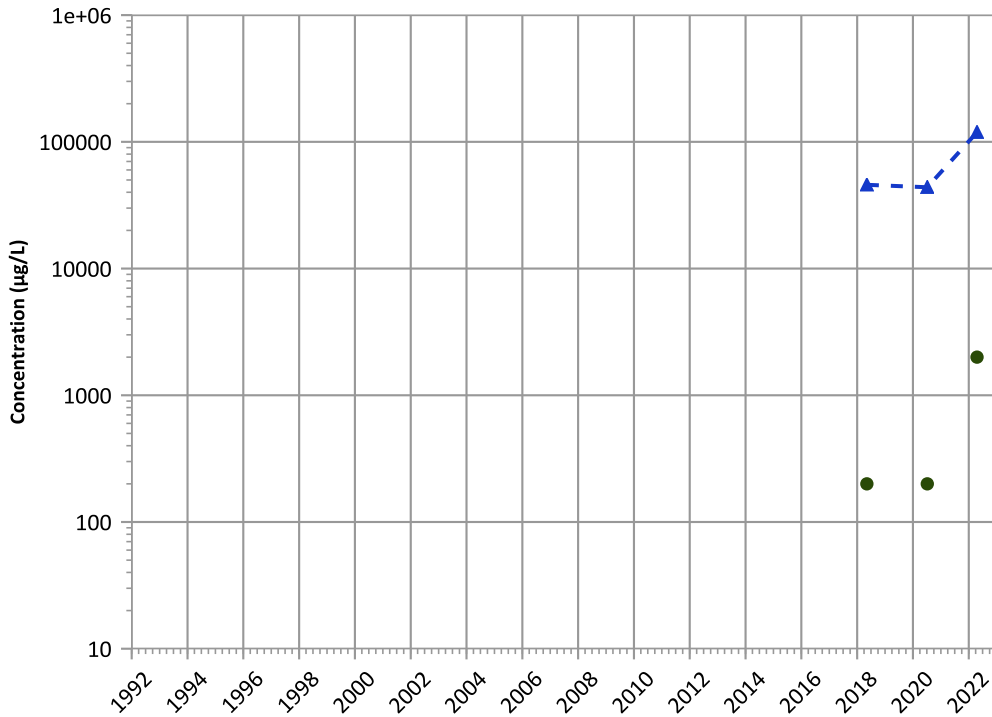


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend

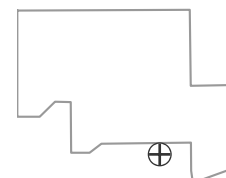


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

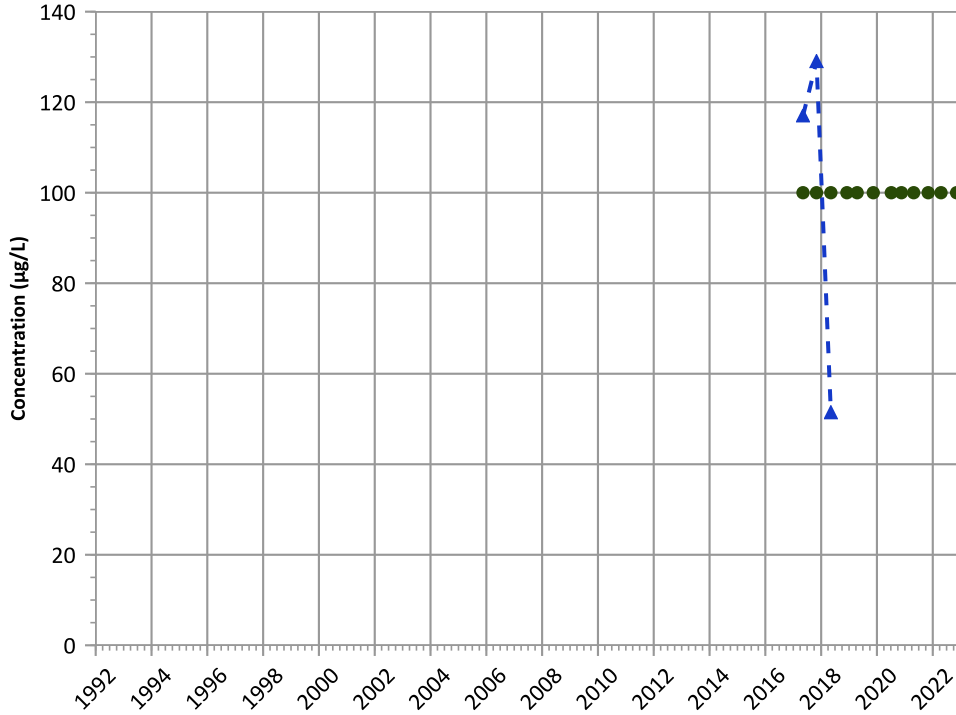


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

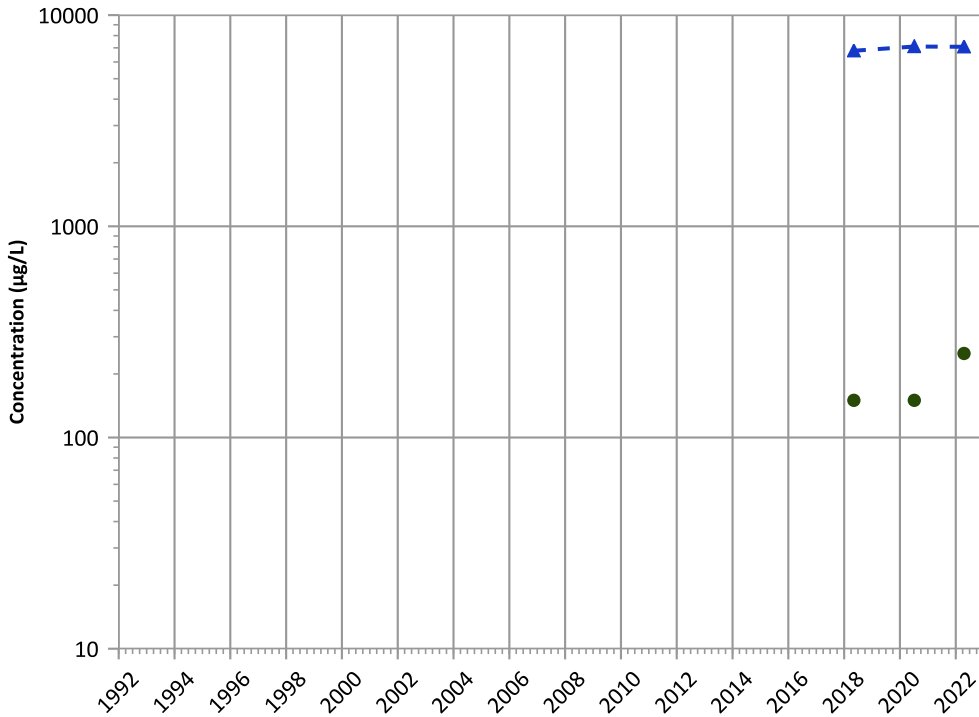


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

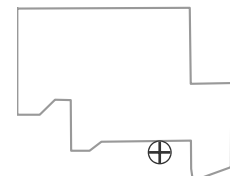


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

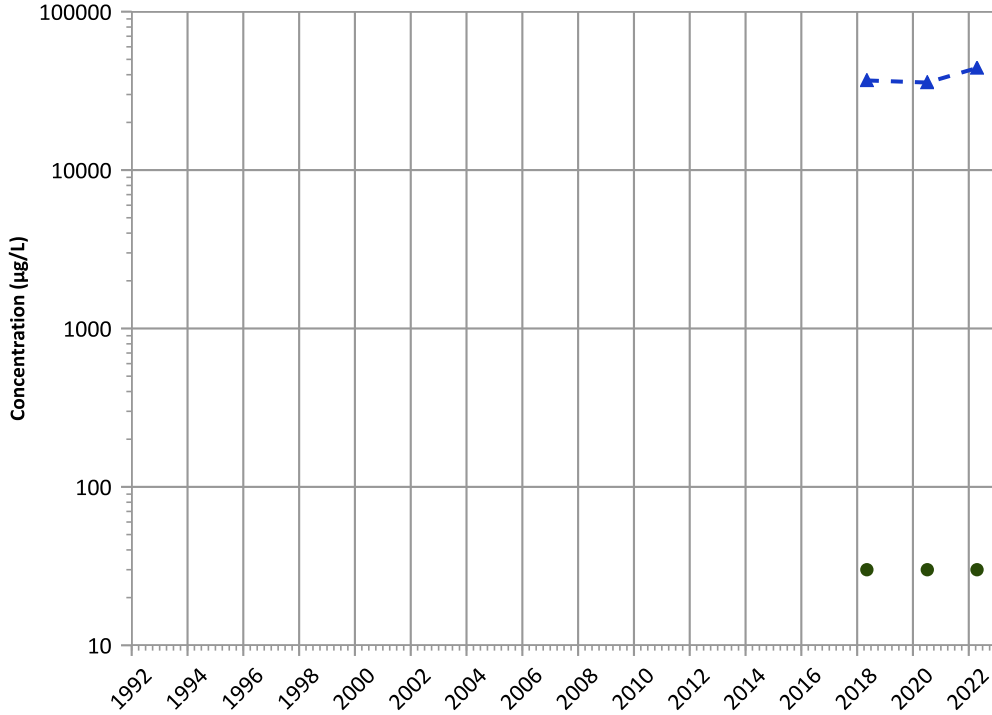


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

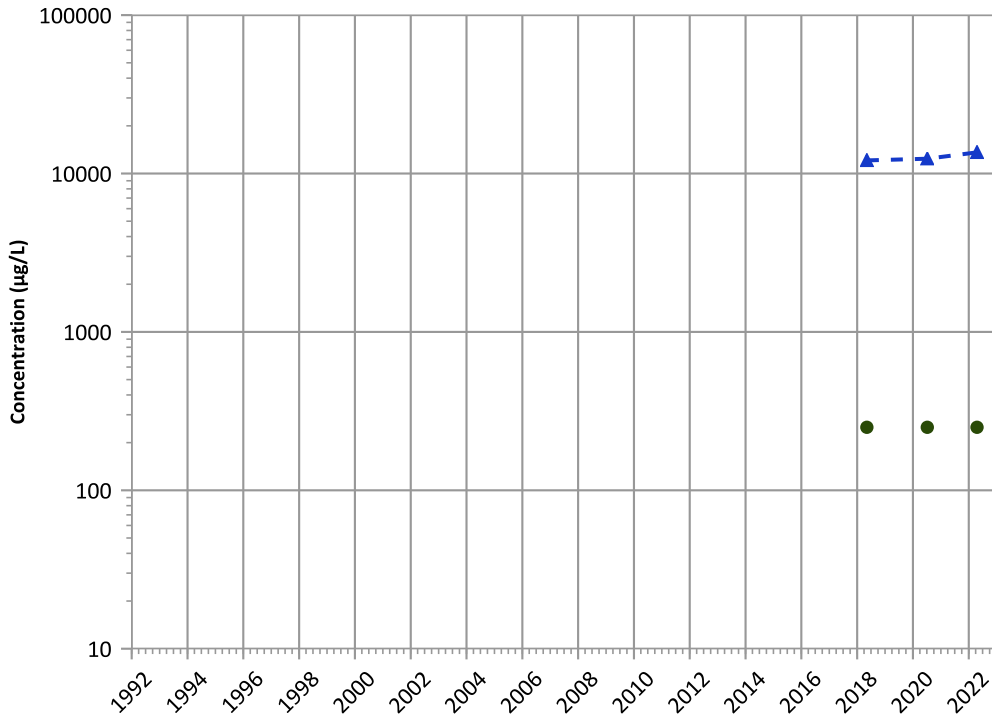


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

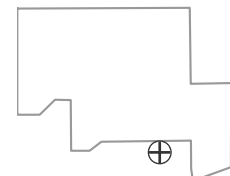


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

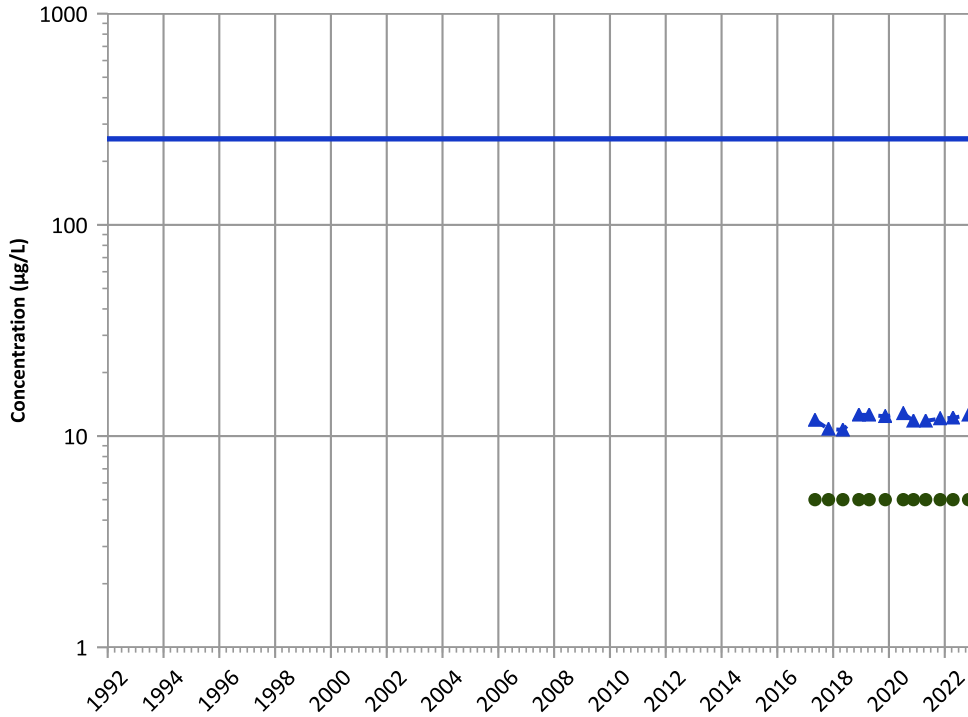
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1183 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

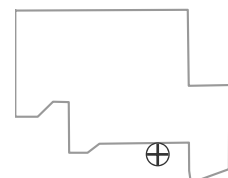
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

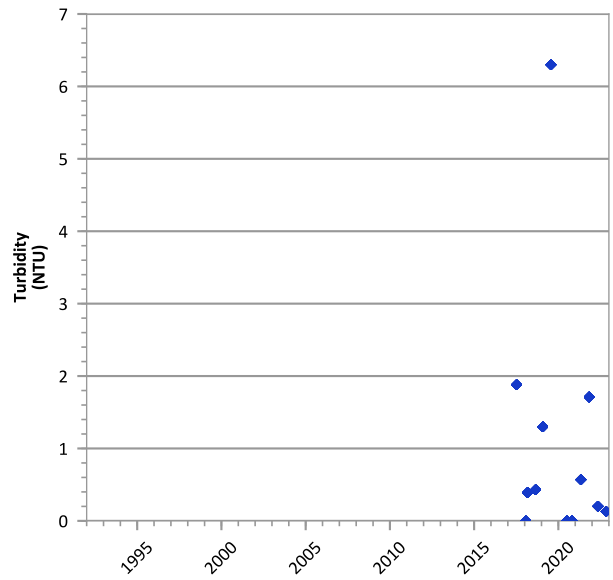
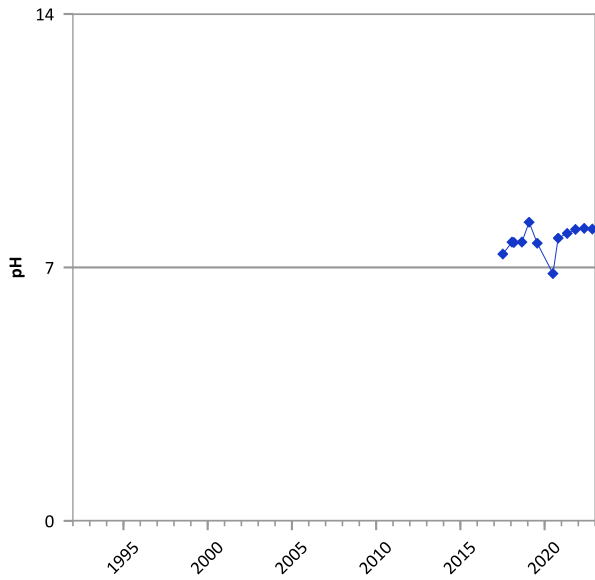
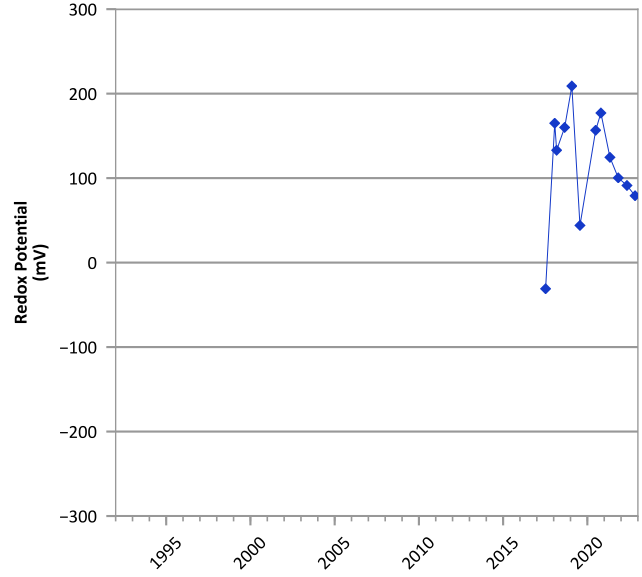
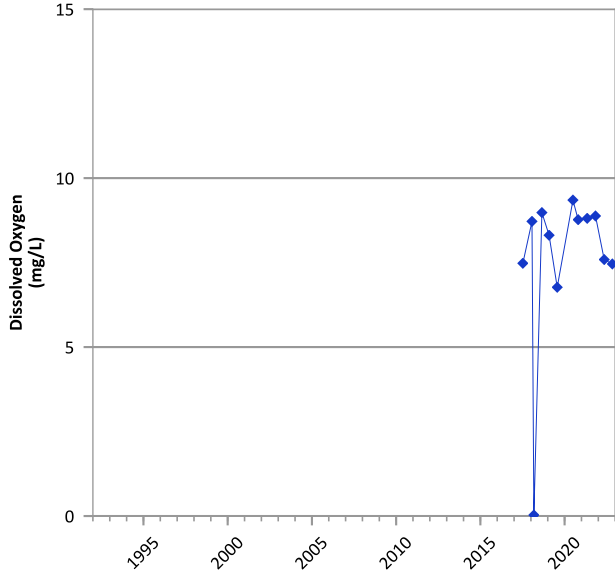
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/30/2016 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

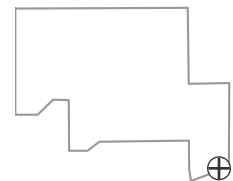


**PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 07/10/2017 to 11/01/2022  
 Analysis Date: 04/27/2023

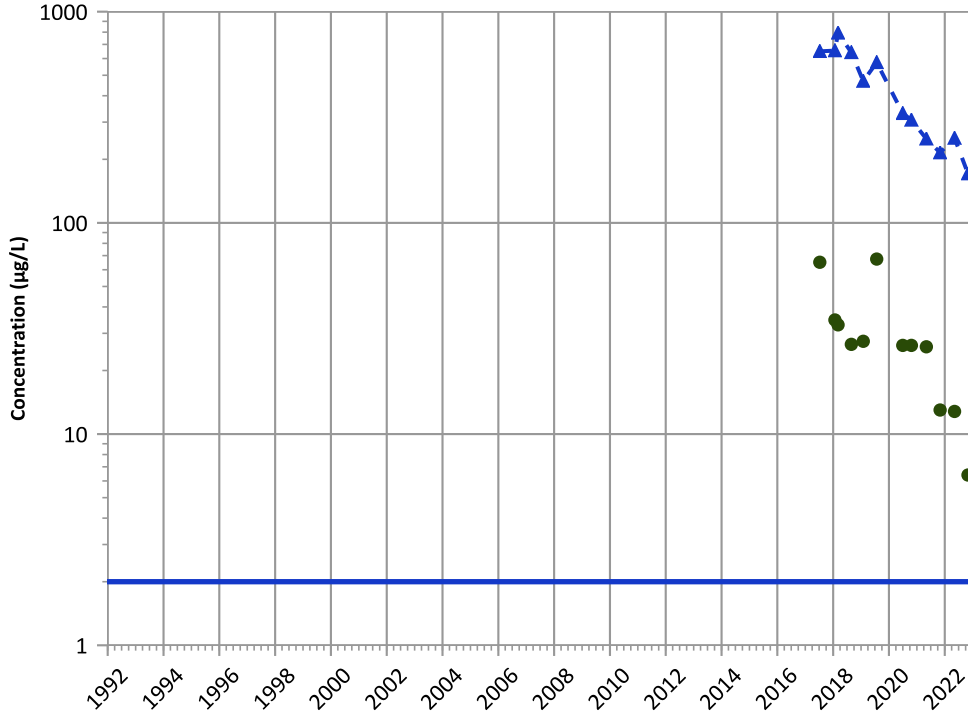
**Well Location**





PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

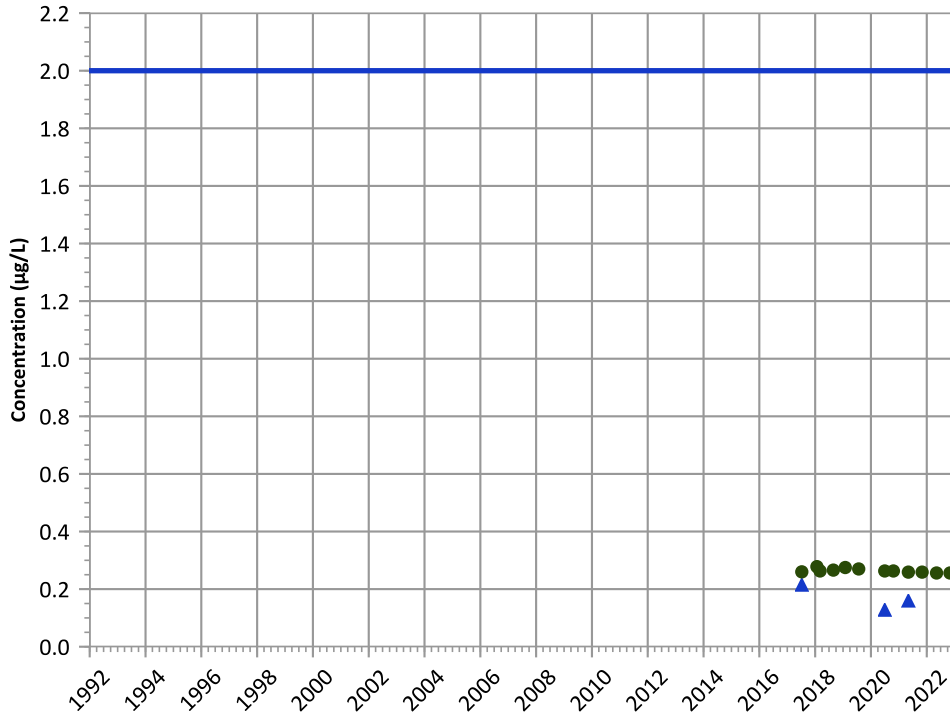


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

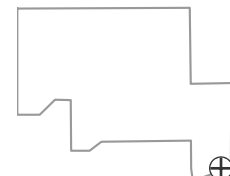


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

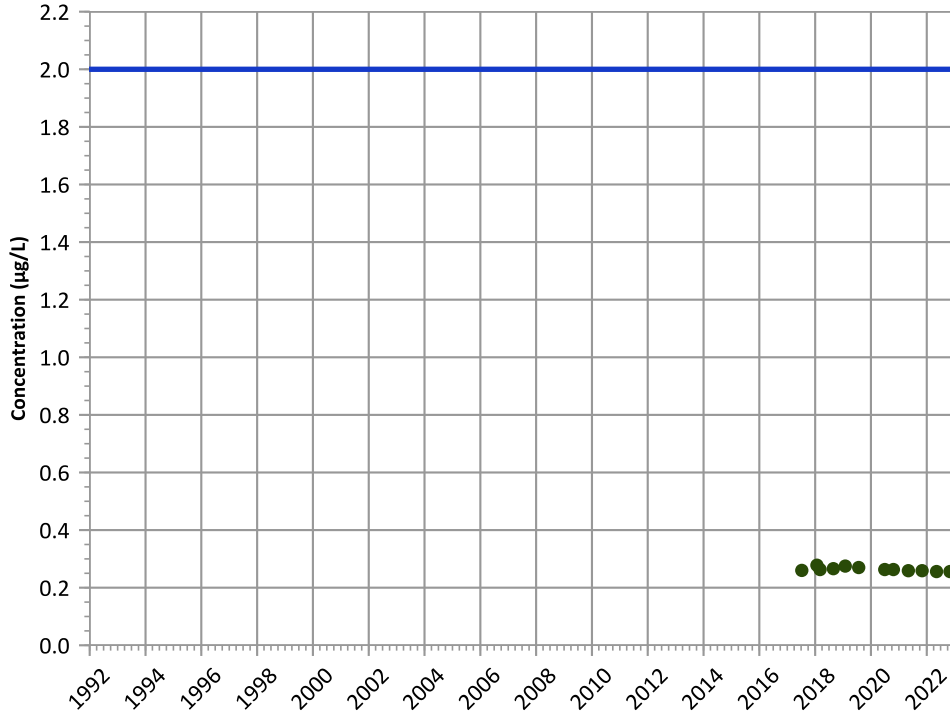


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

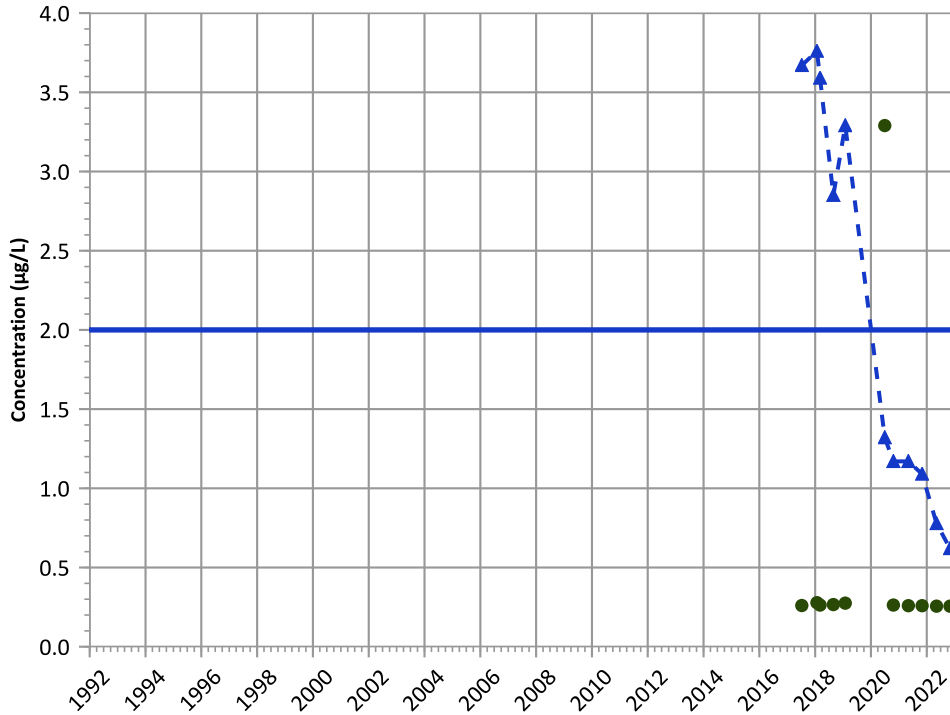
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

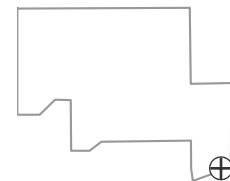
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Well Location

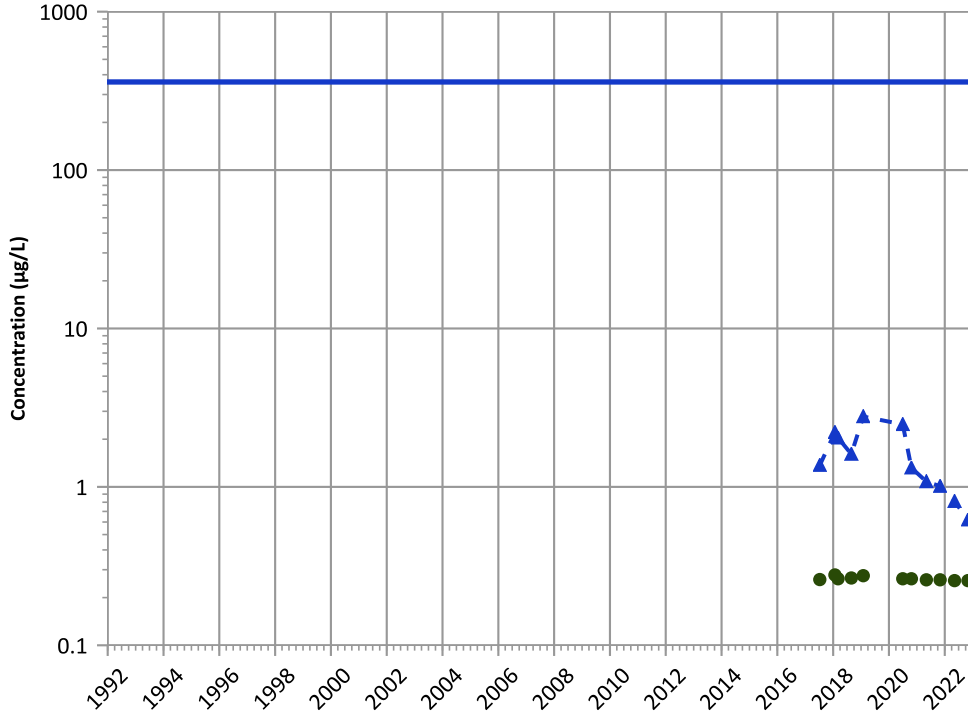


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

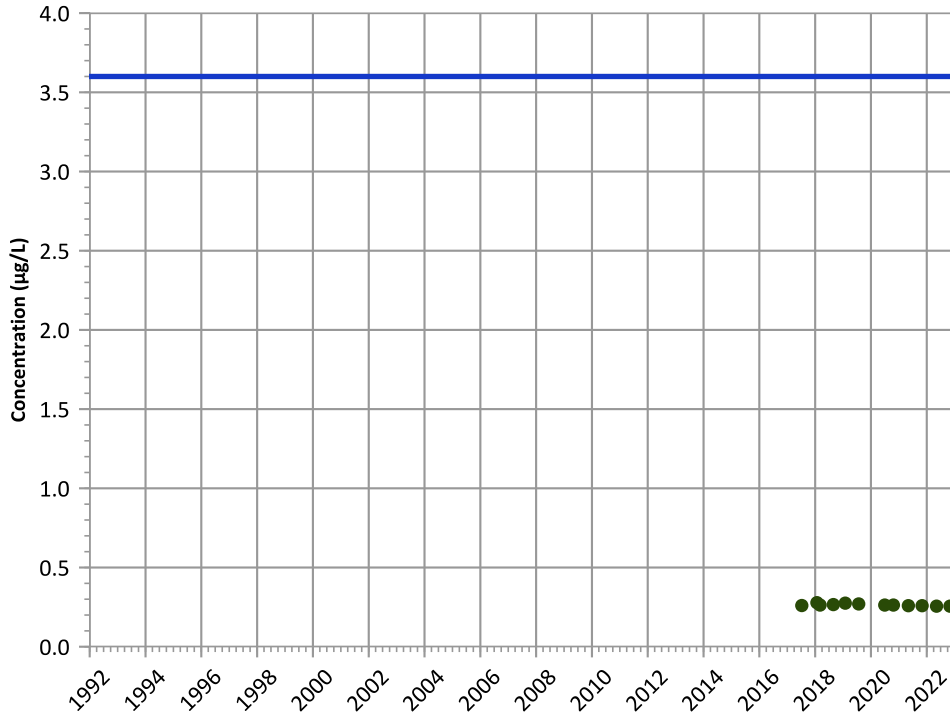


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

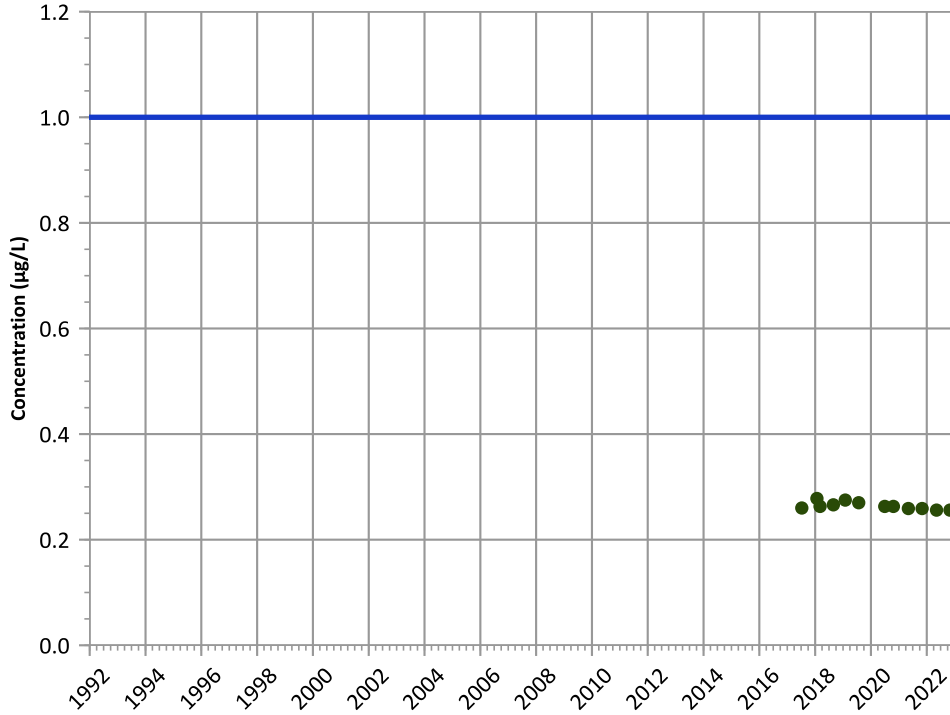
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

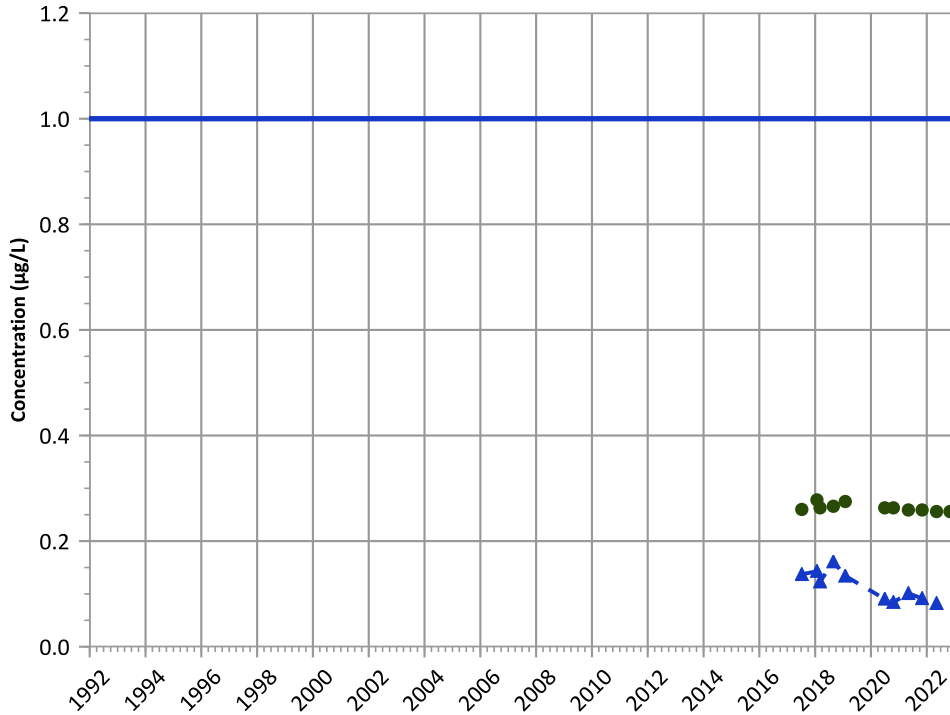
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

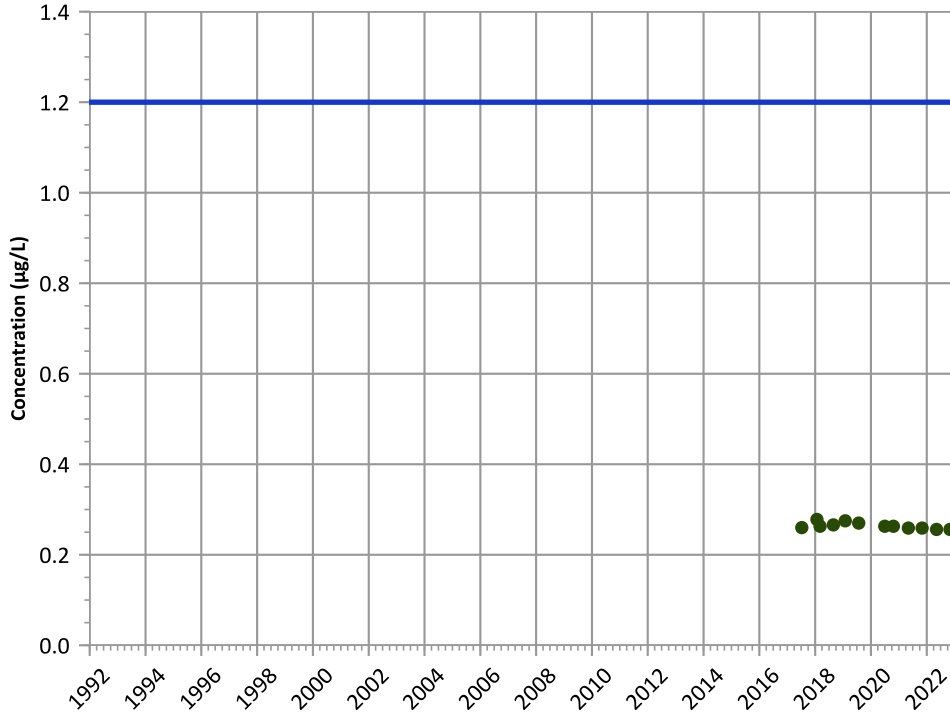


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

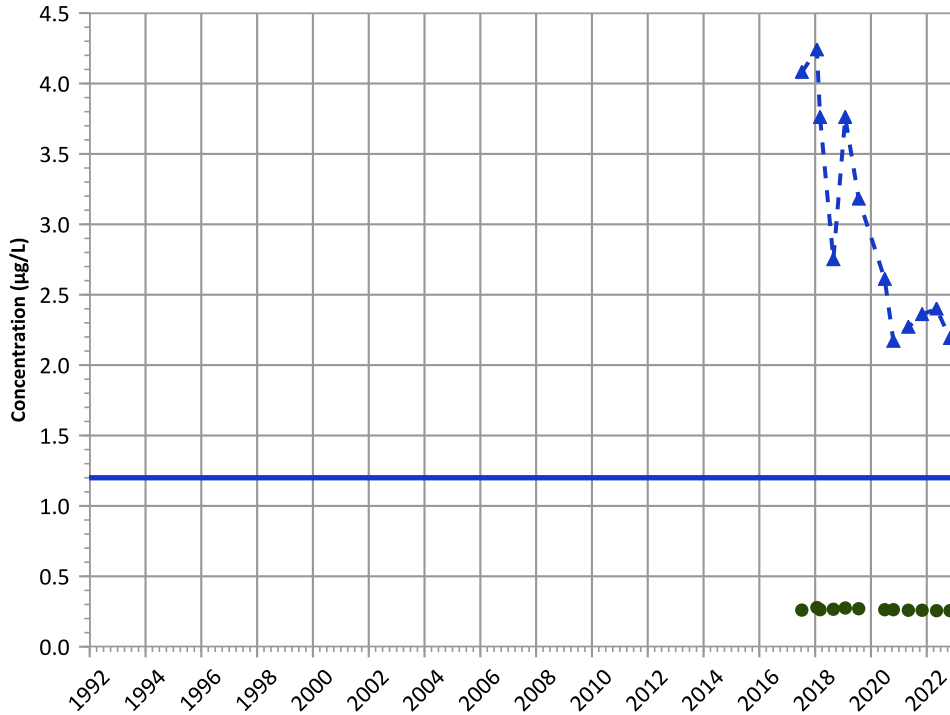
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

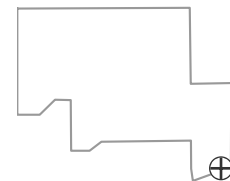
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

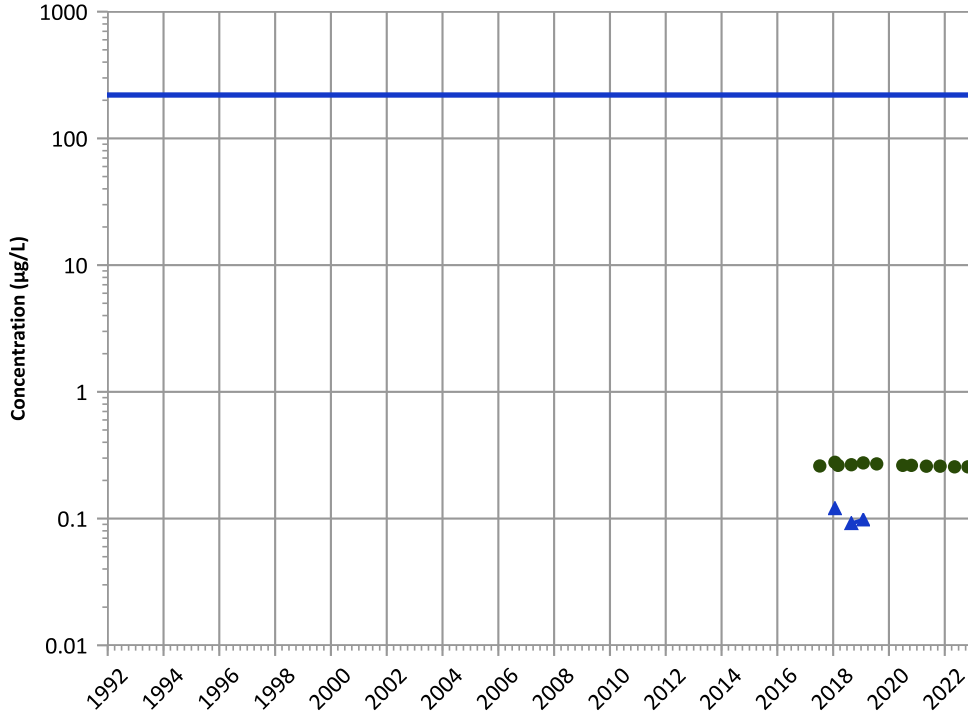


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

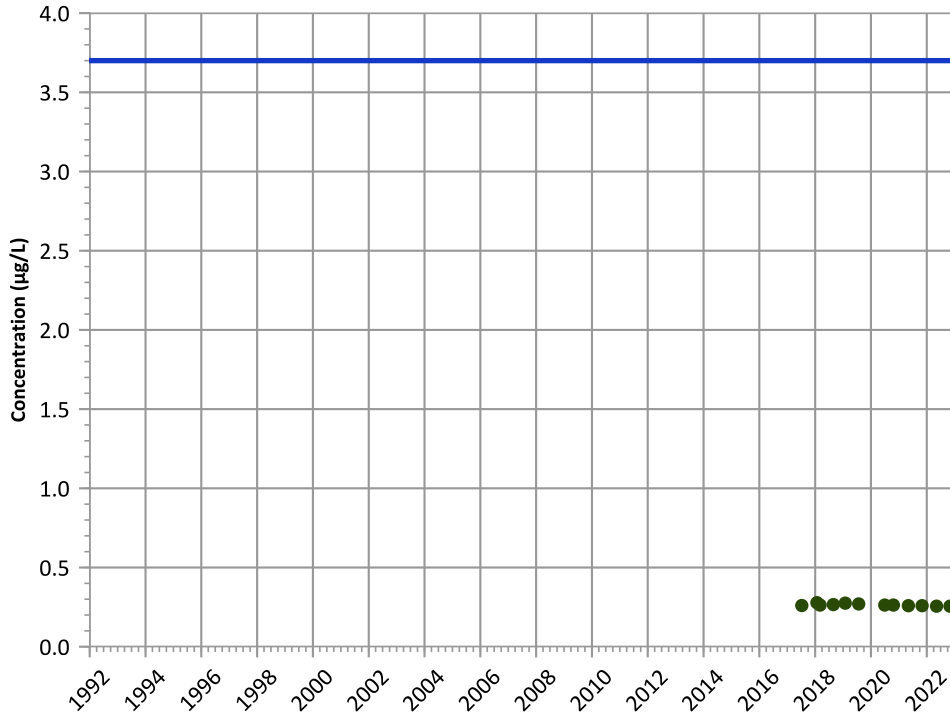


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

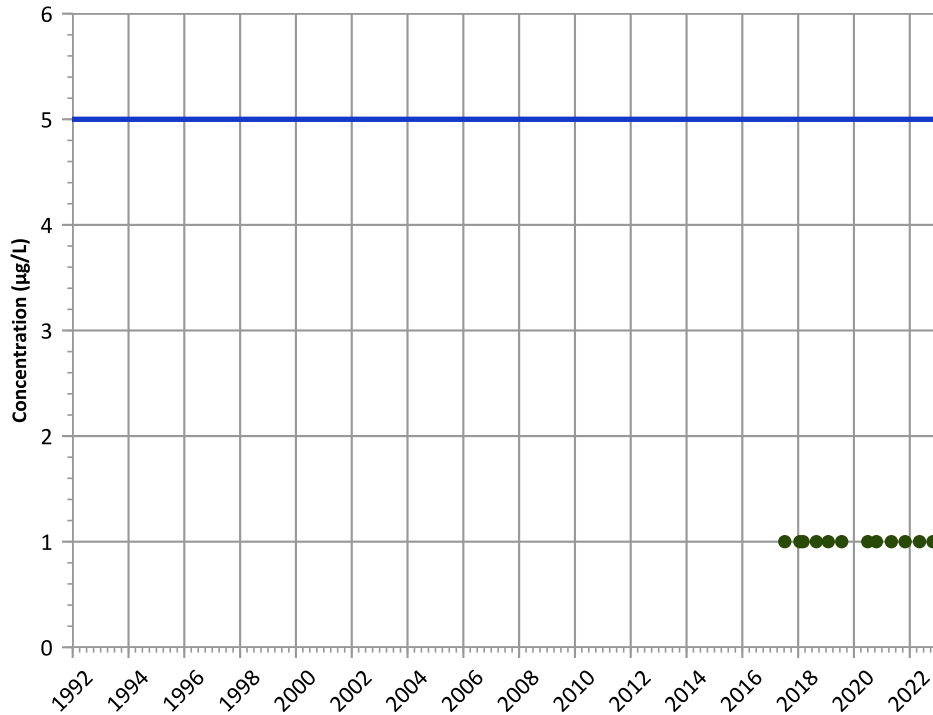
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

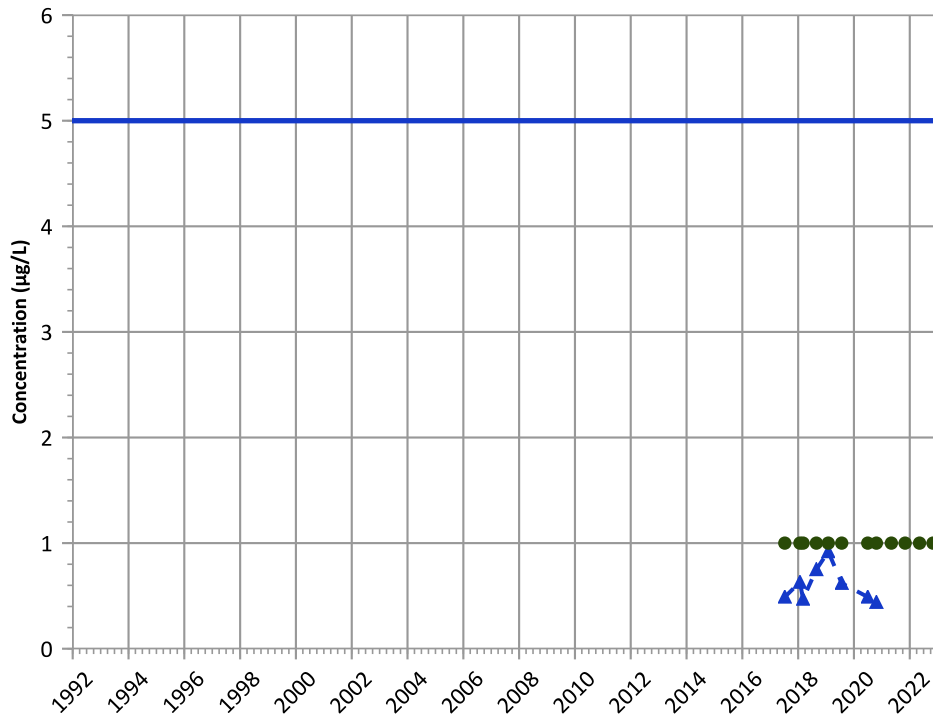
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

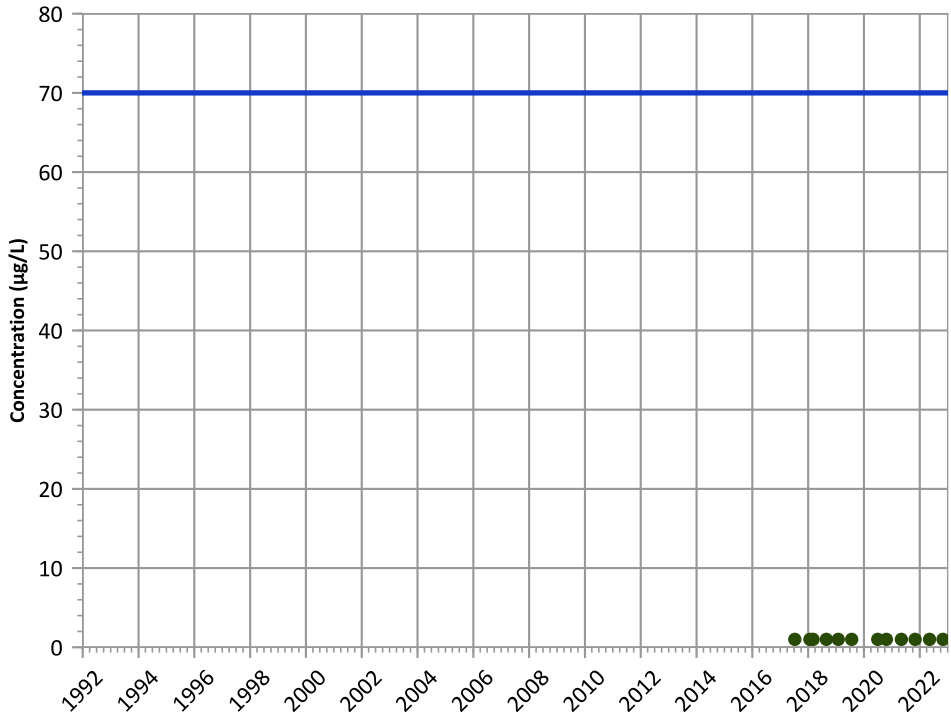
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

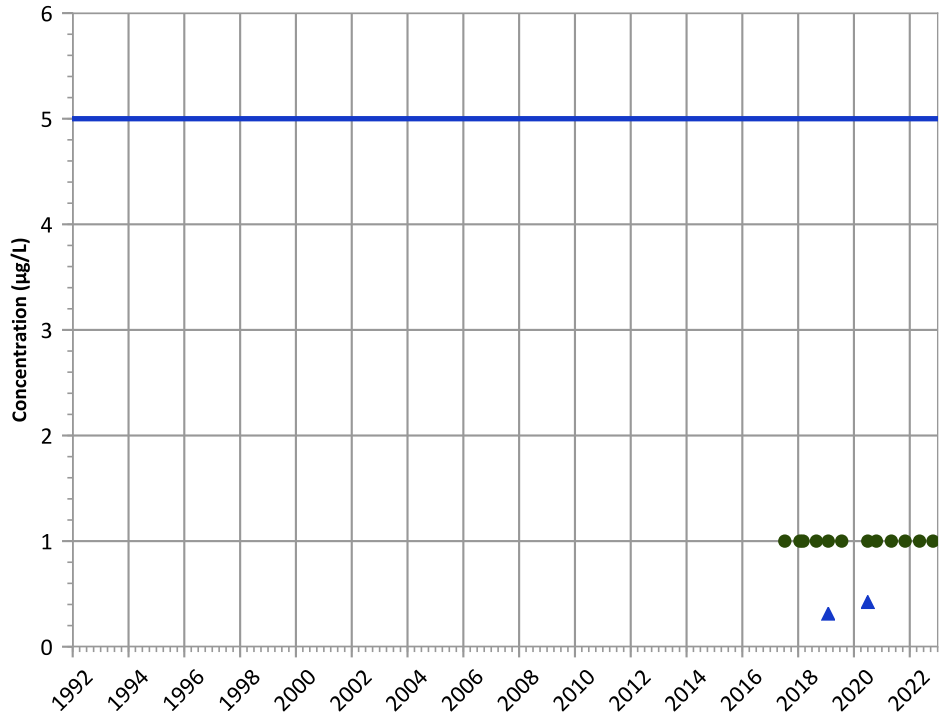


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**

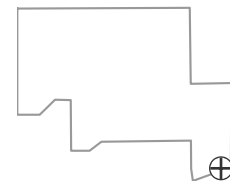


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

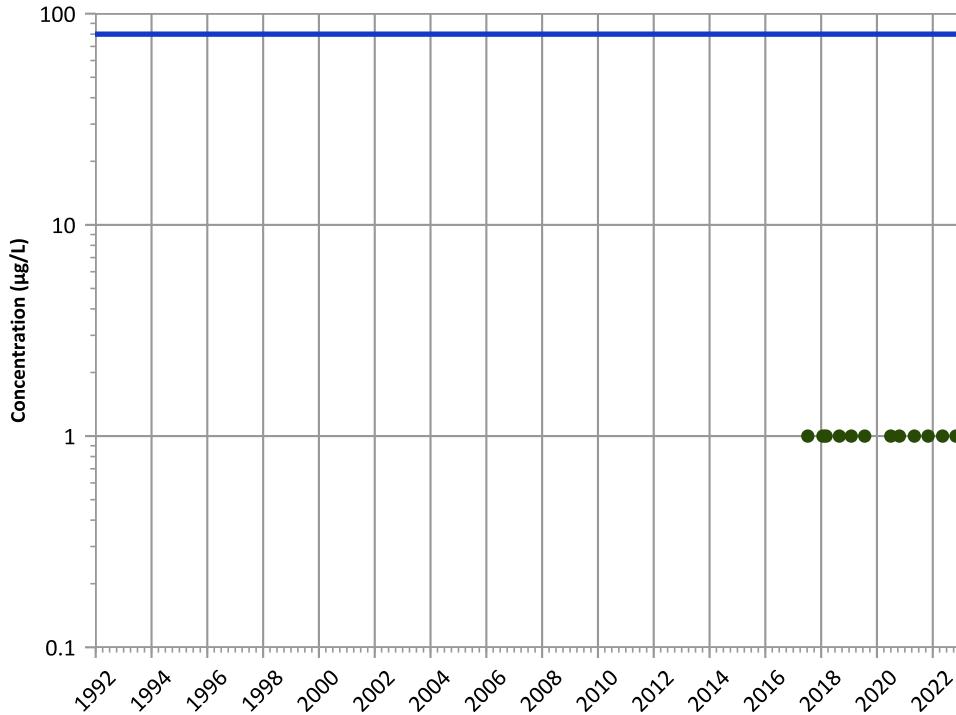


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

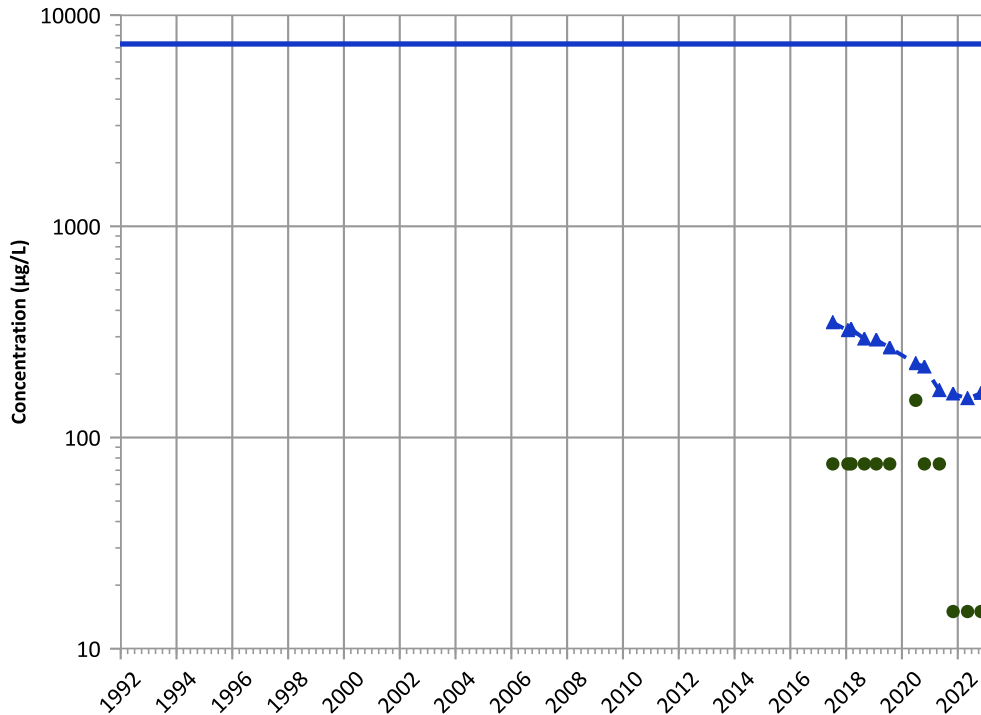


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

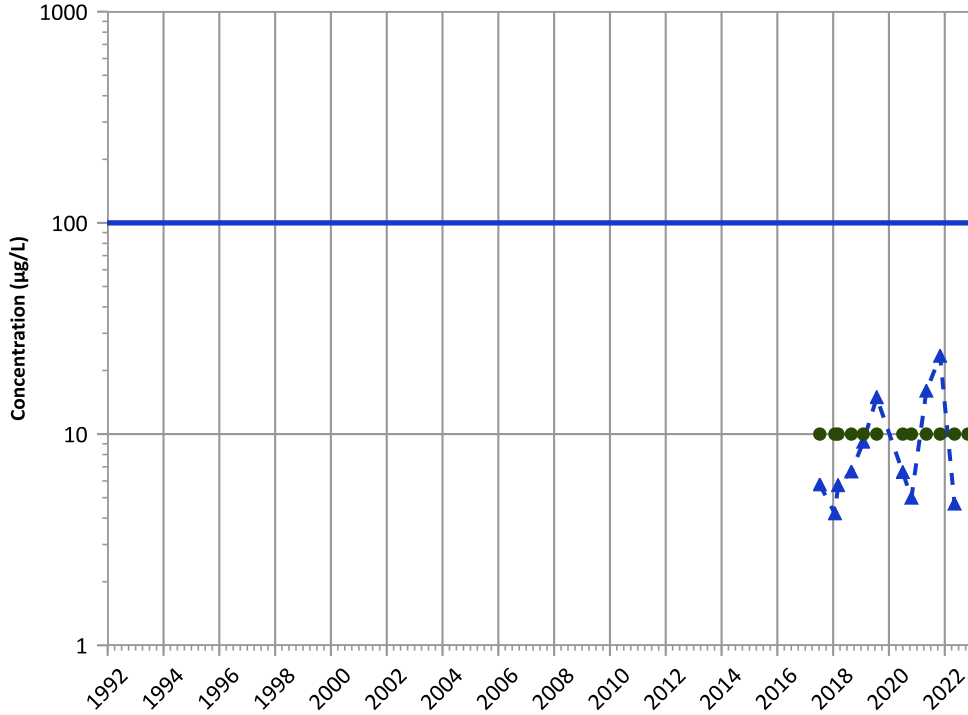
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

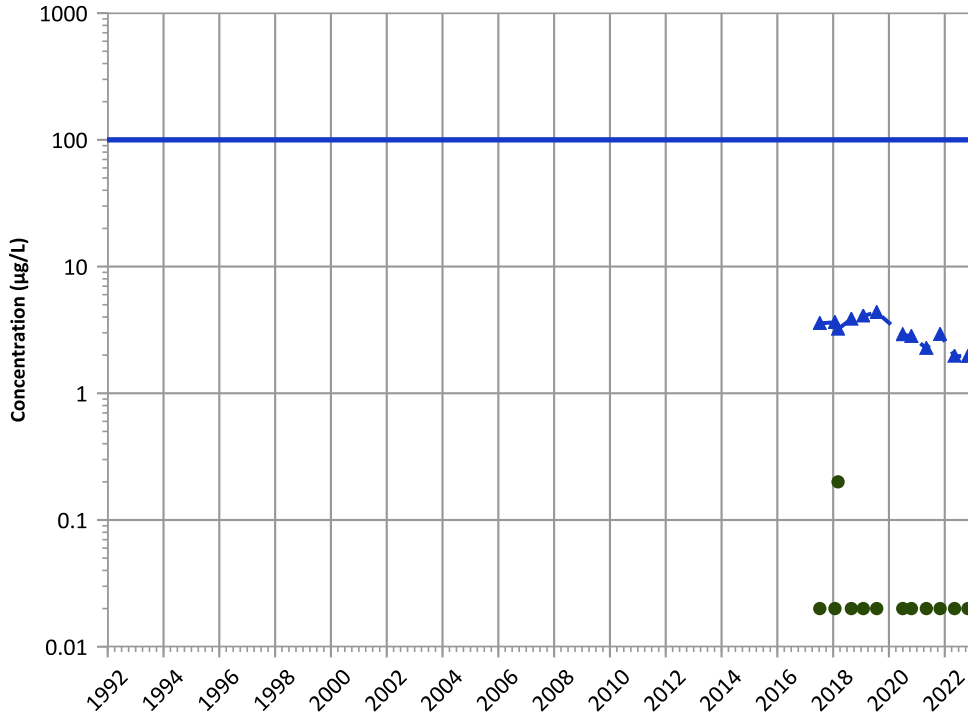


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

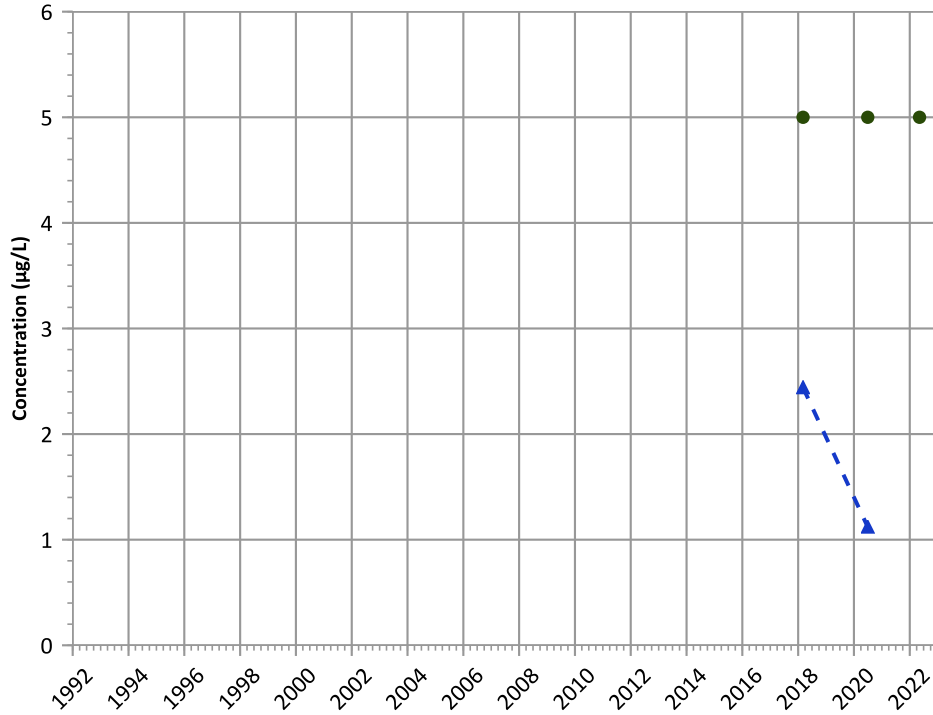
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

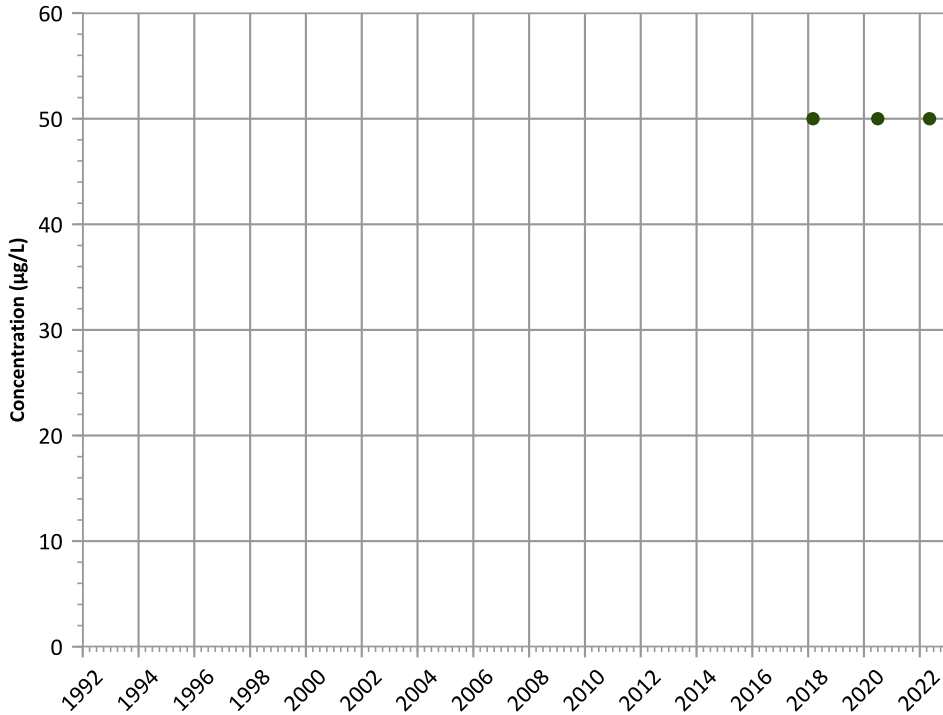
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

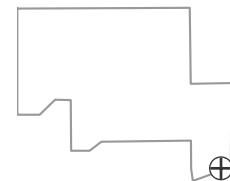
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

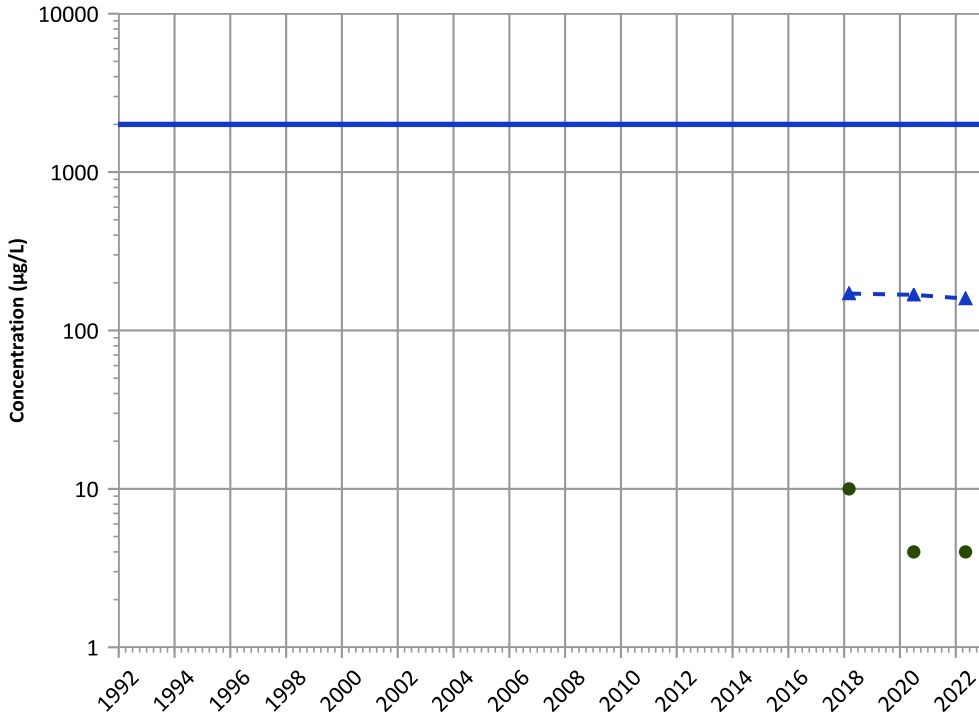
Data Date Range: 07/10/2017 to 11/01/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

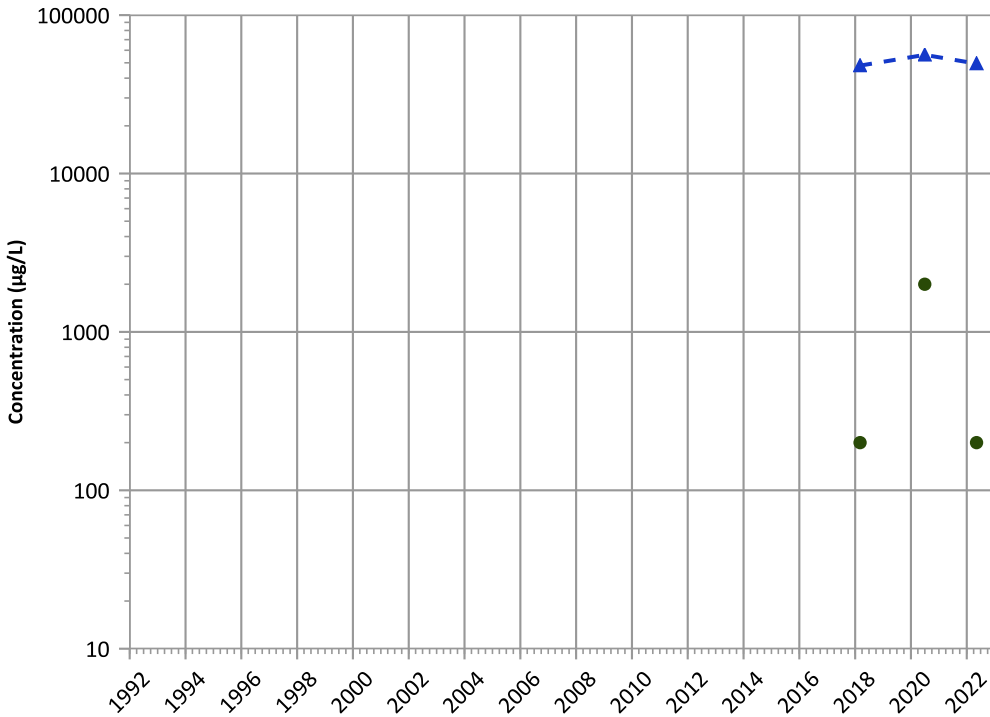
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

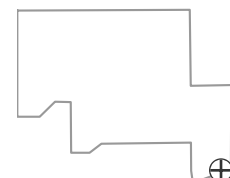
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

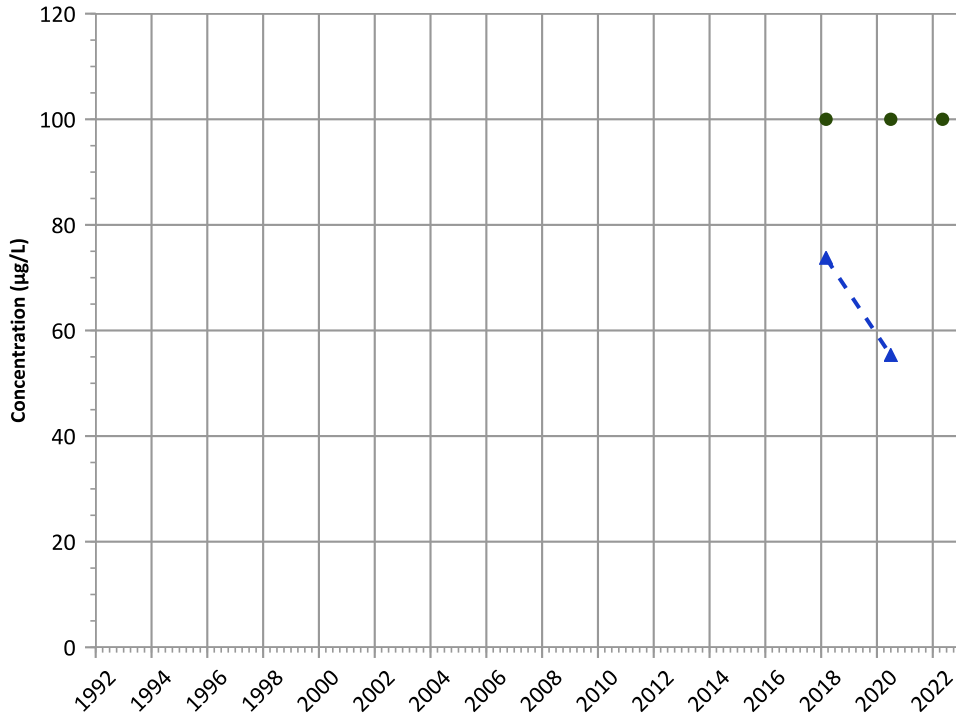


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

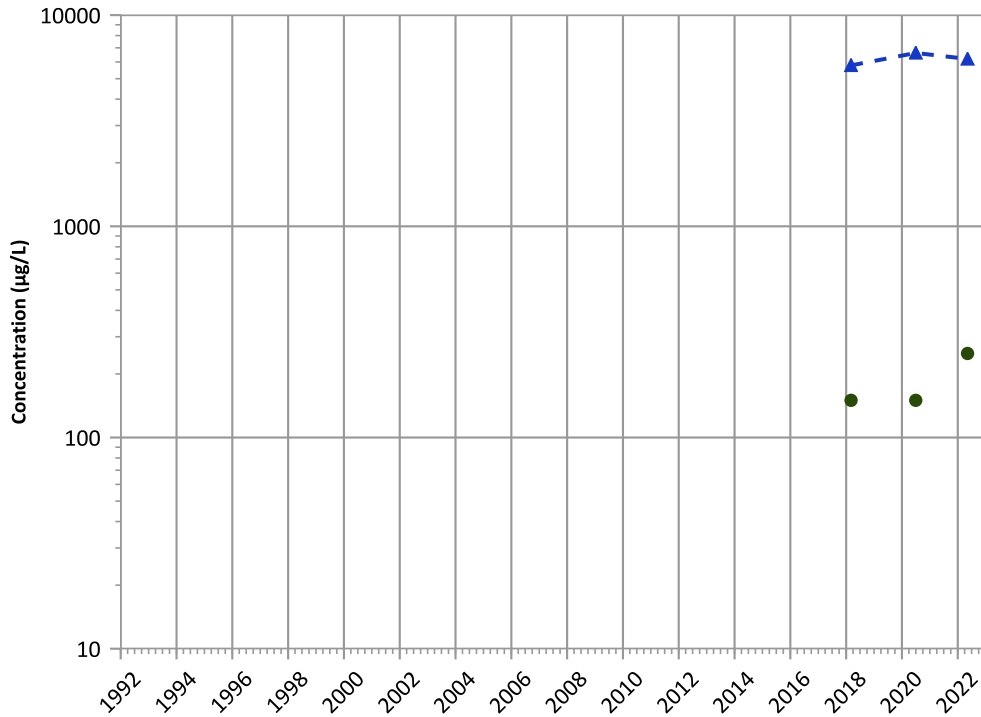


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

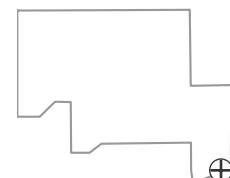


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

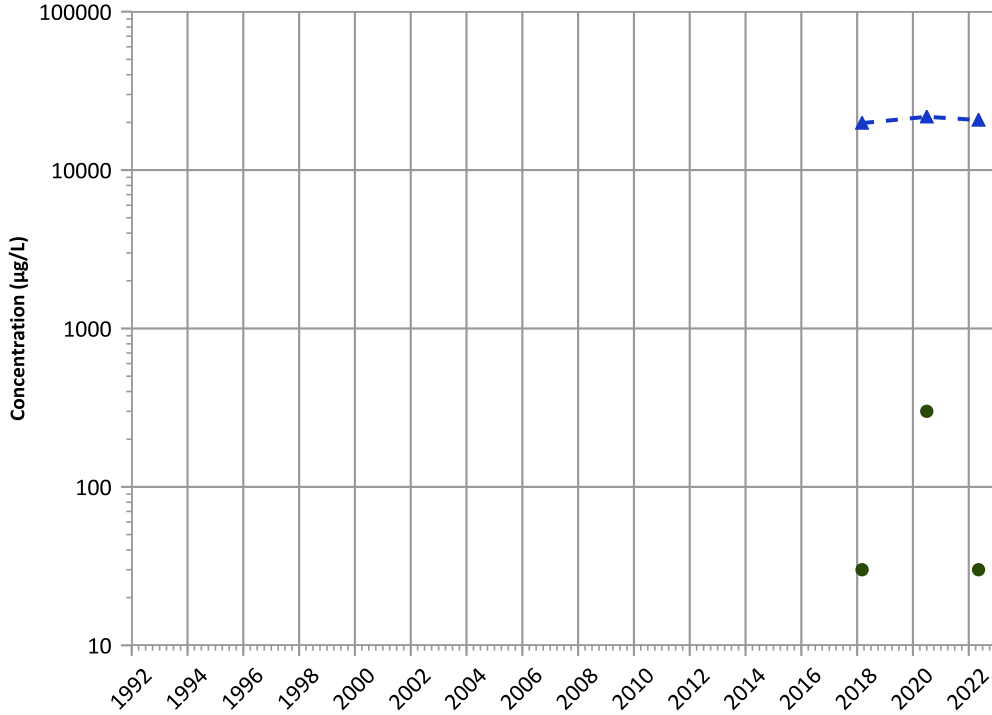


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

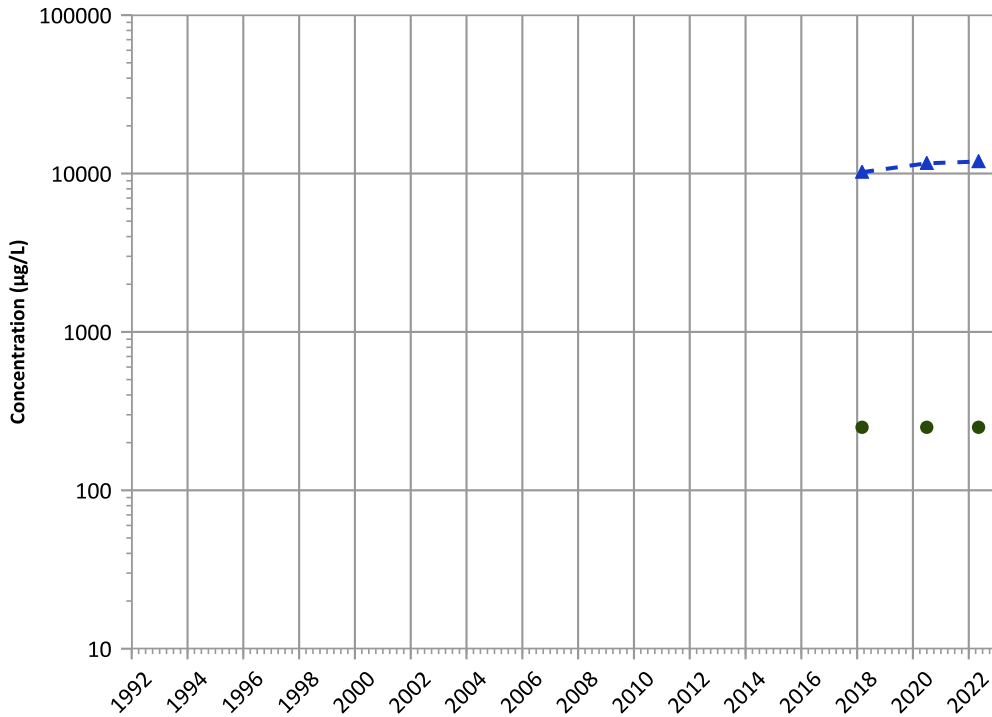


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

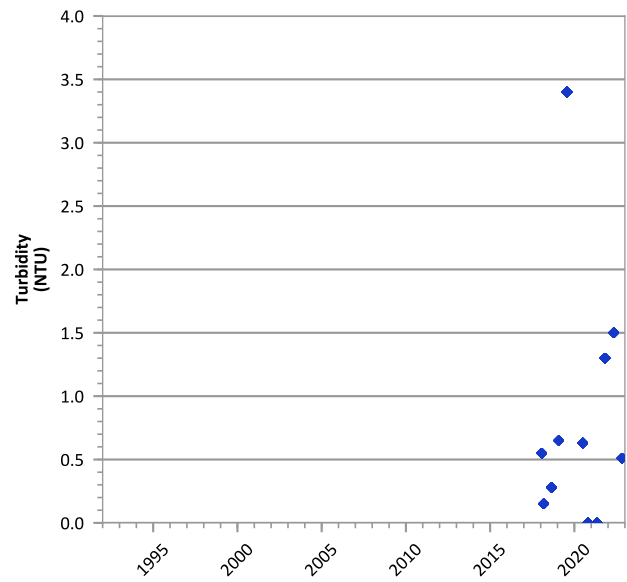
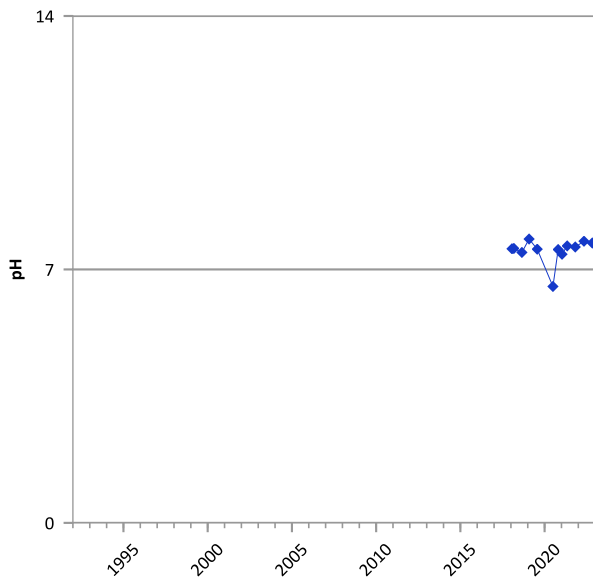
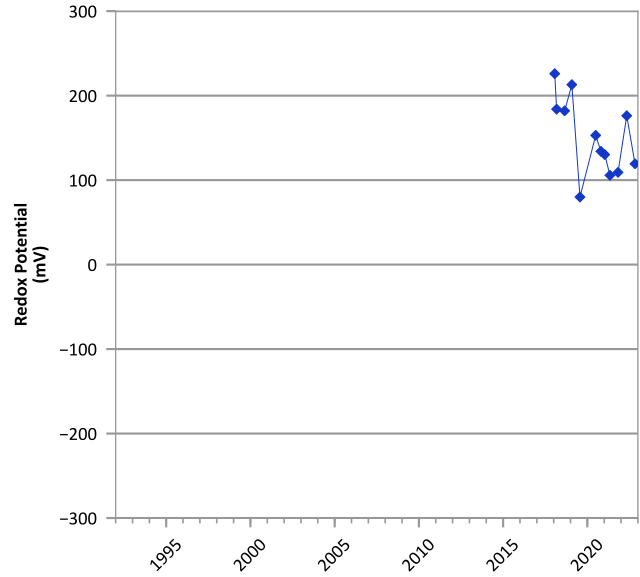
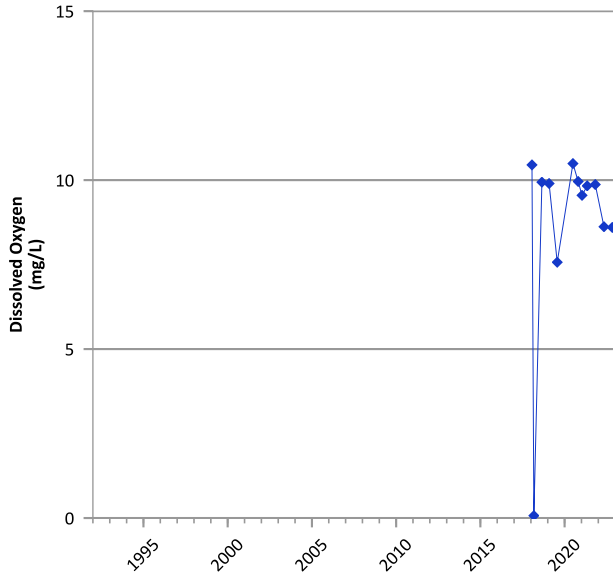
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/10/2017 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



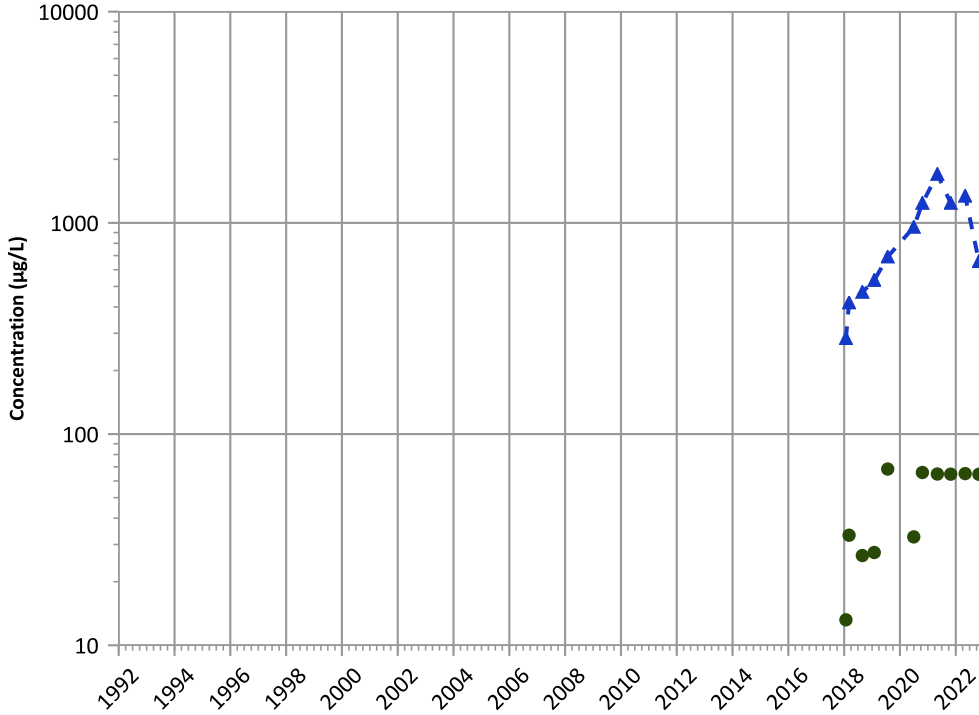
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/24/2018 to 10/31/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

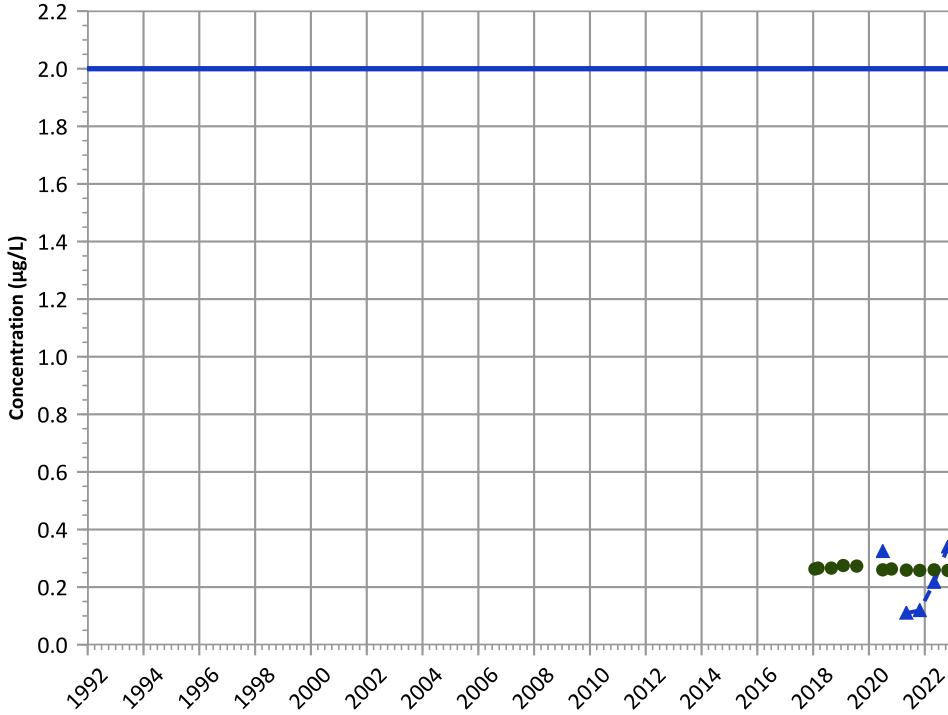
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

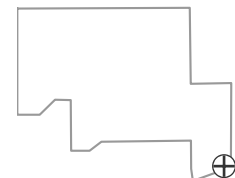
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

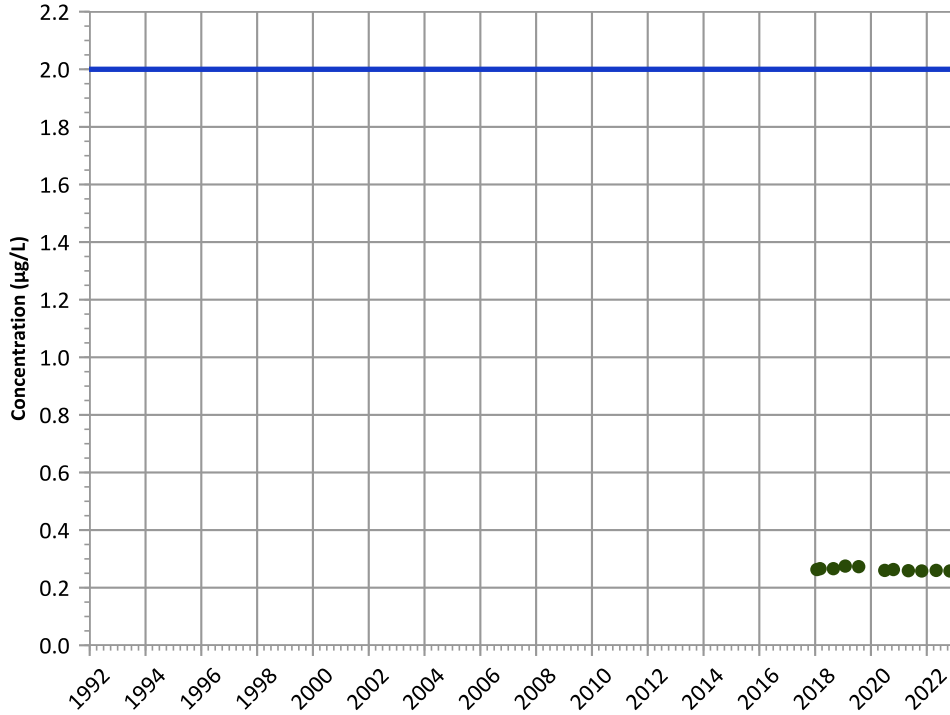
Well Location





PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

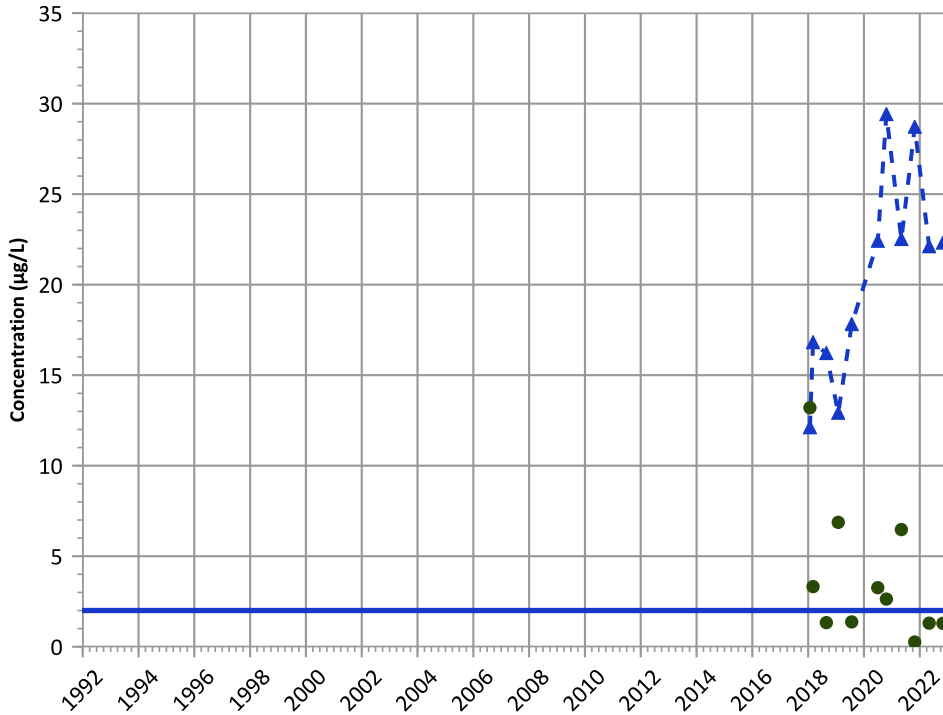
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

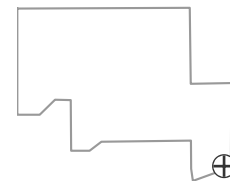
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Well Location

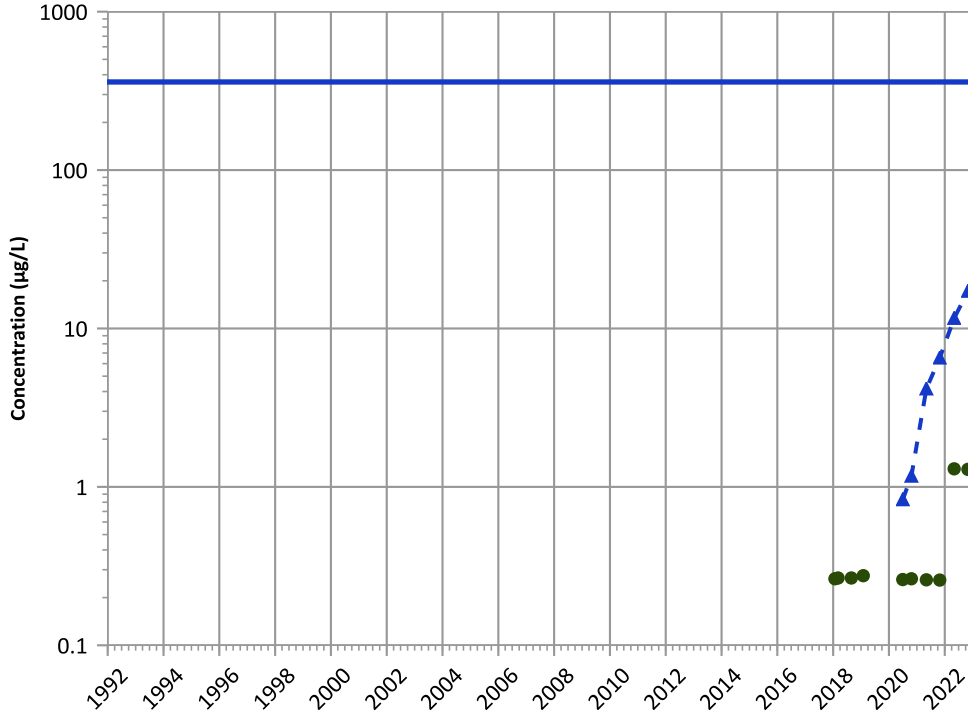


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

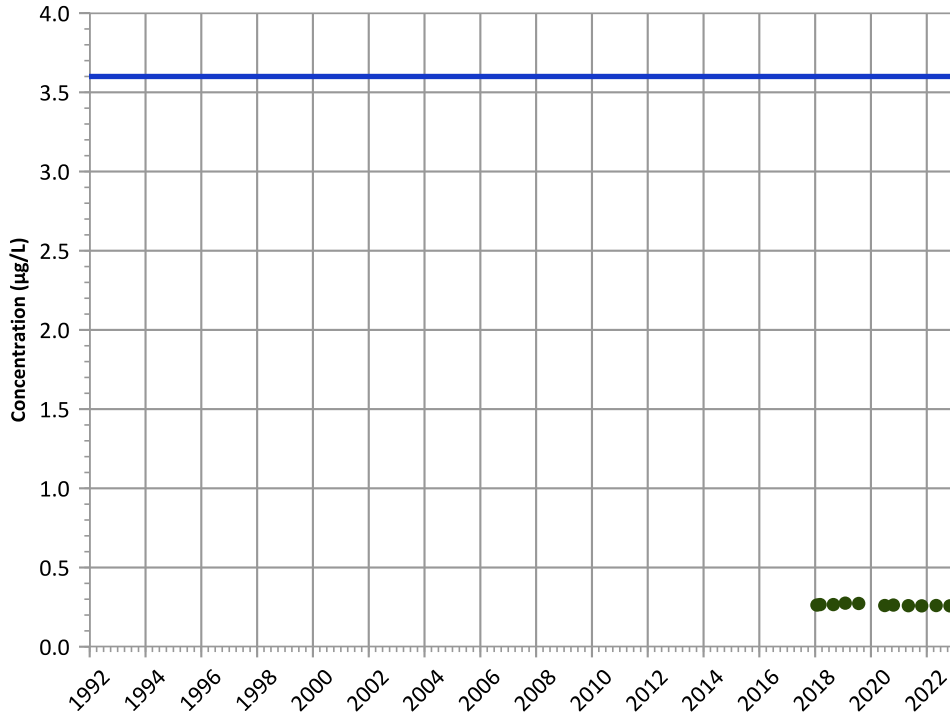


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

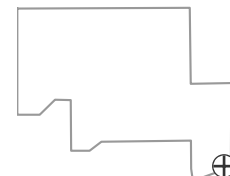
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

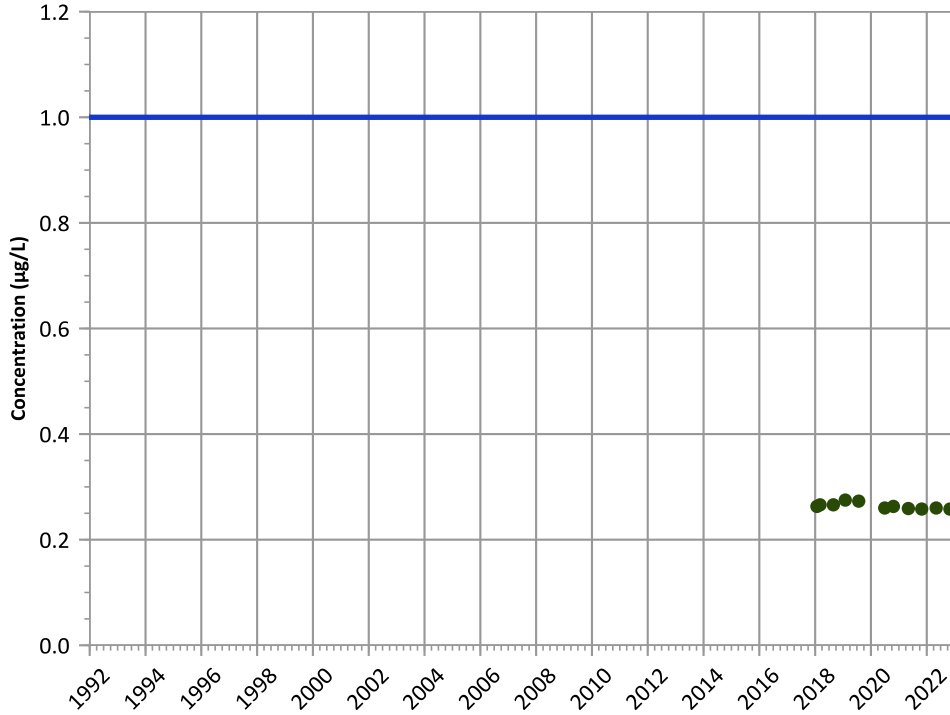
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

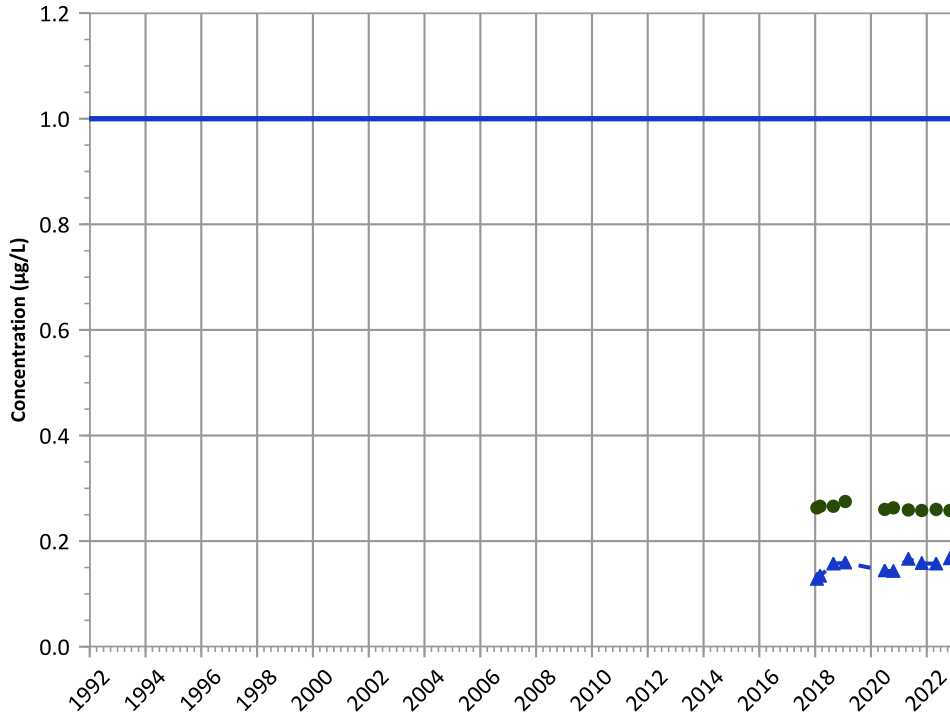
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

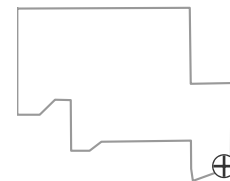
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

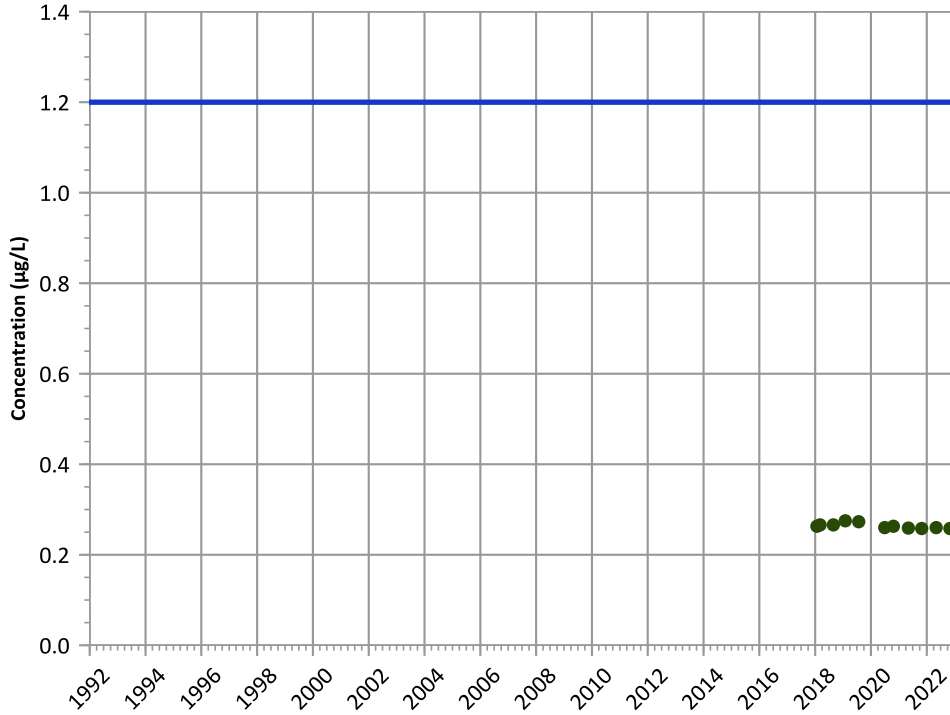


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

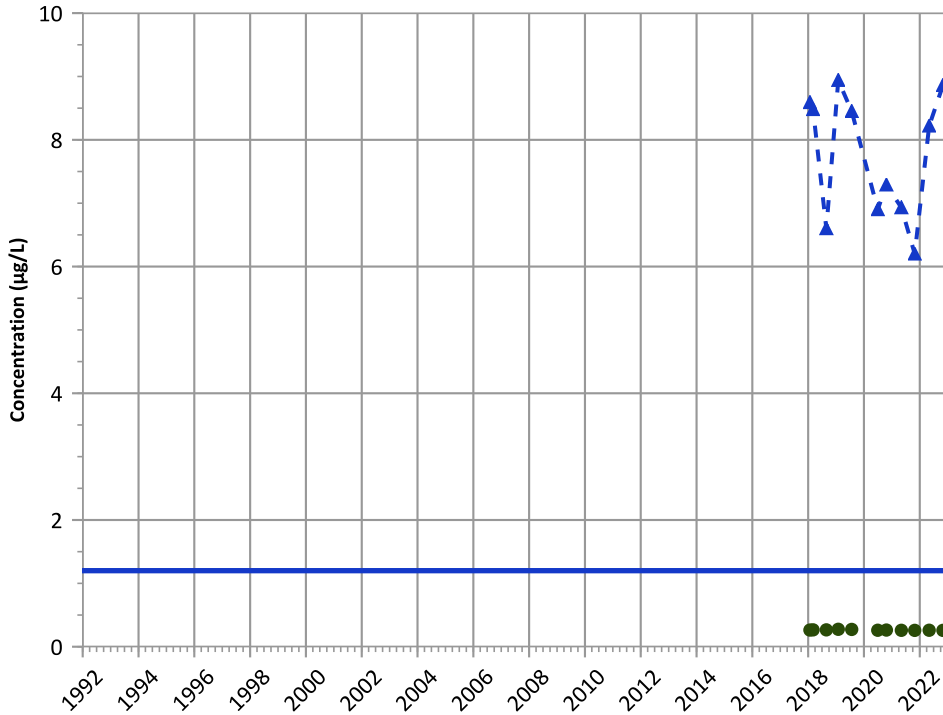
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

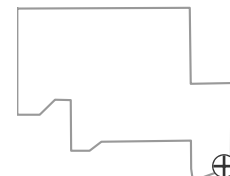
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

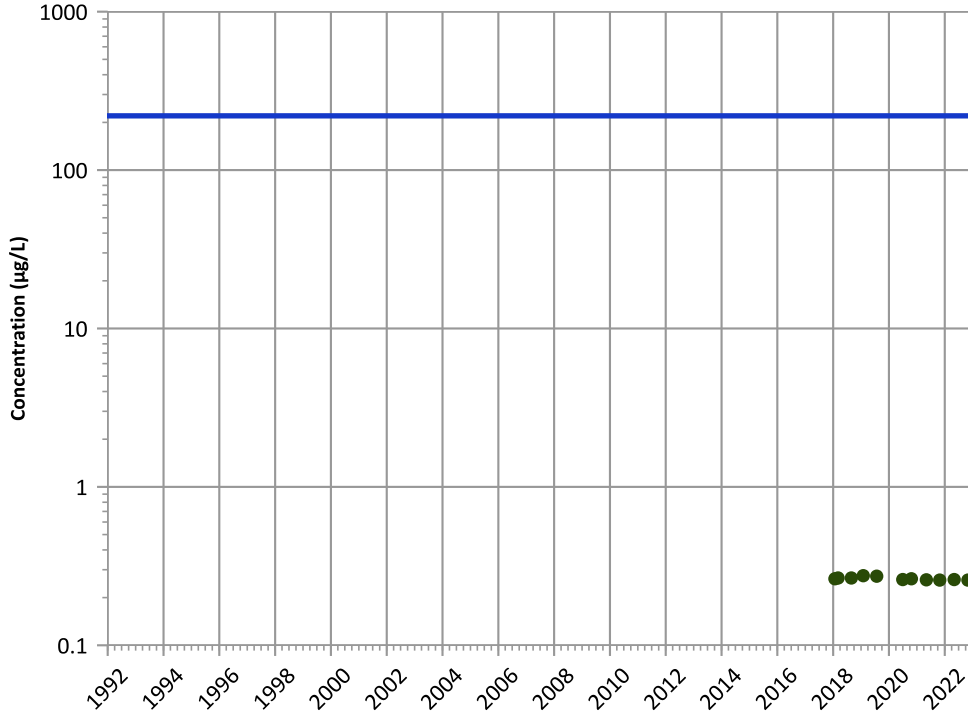
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

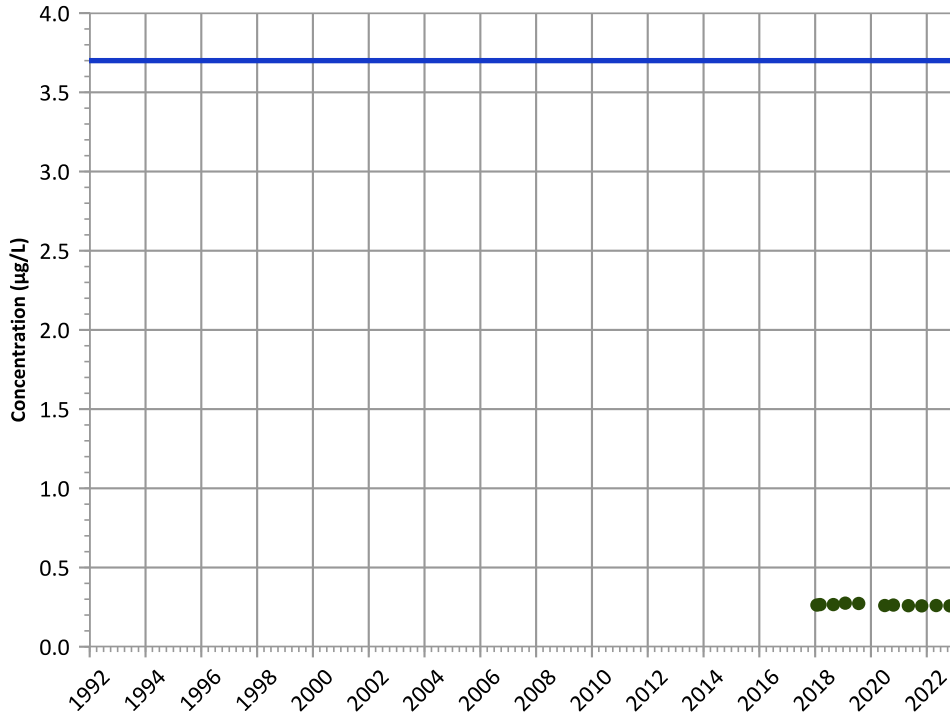
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

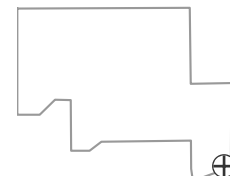
2020 - 2022 Data:

All Non-Detect

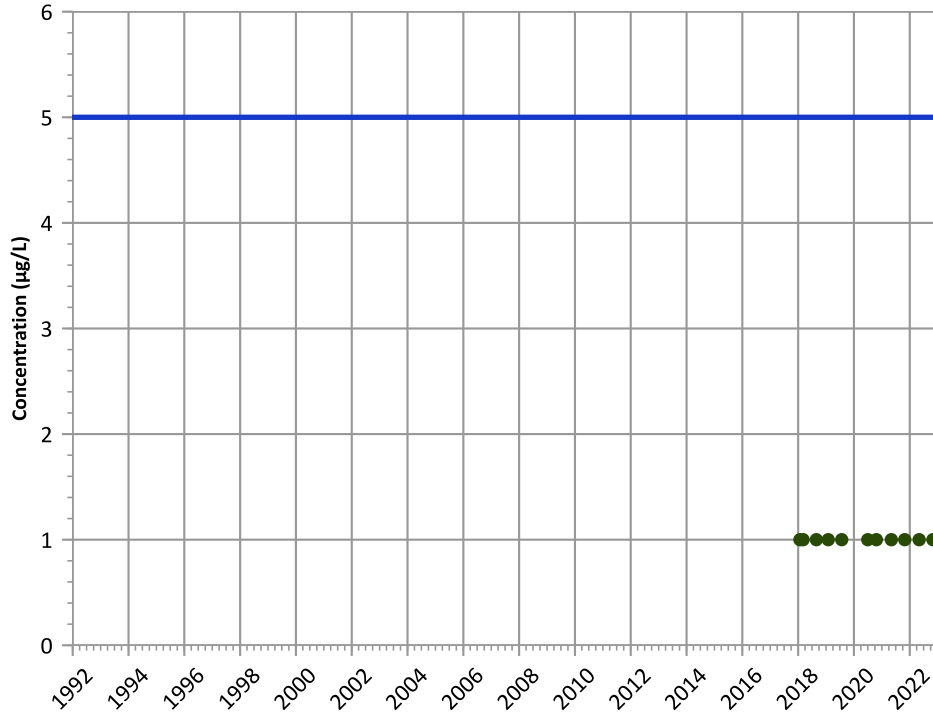
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

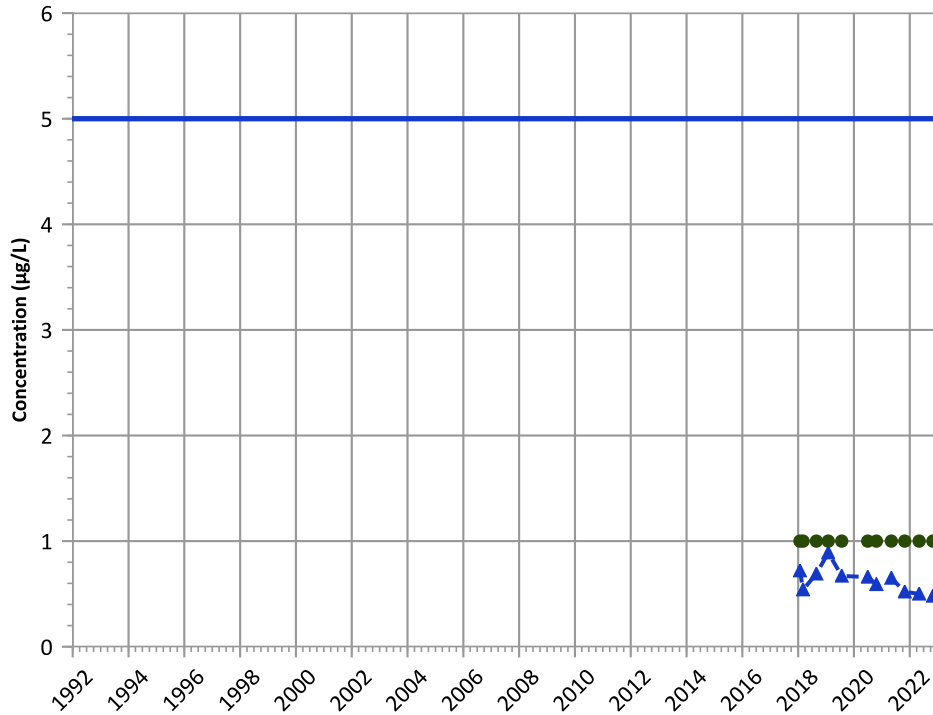
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

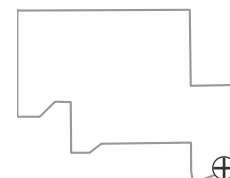
2020 - 2022 Data:

Stable

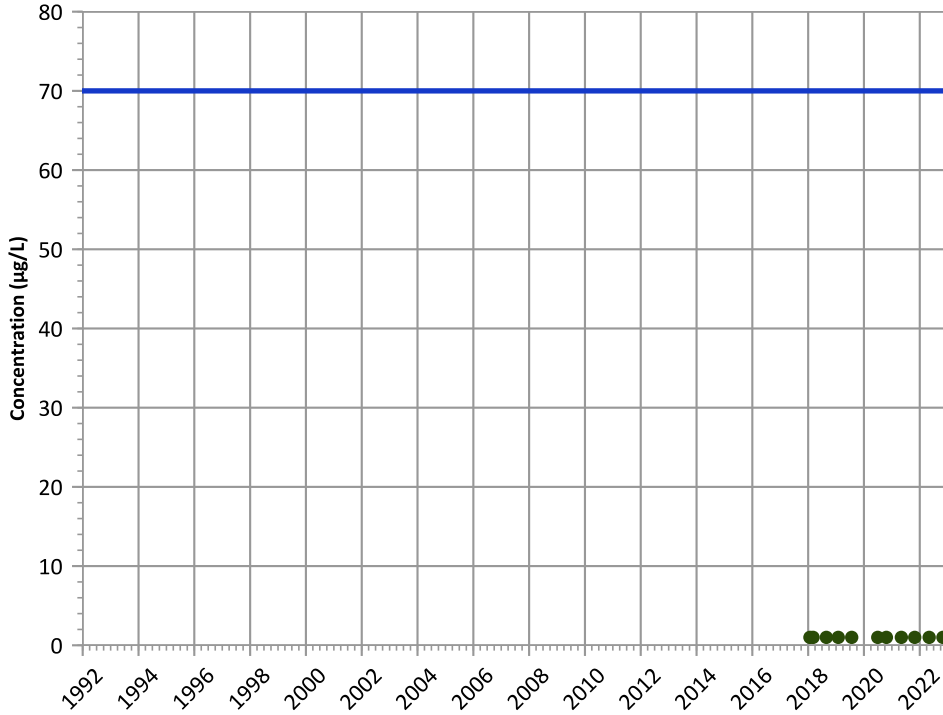
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

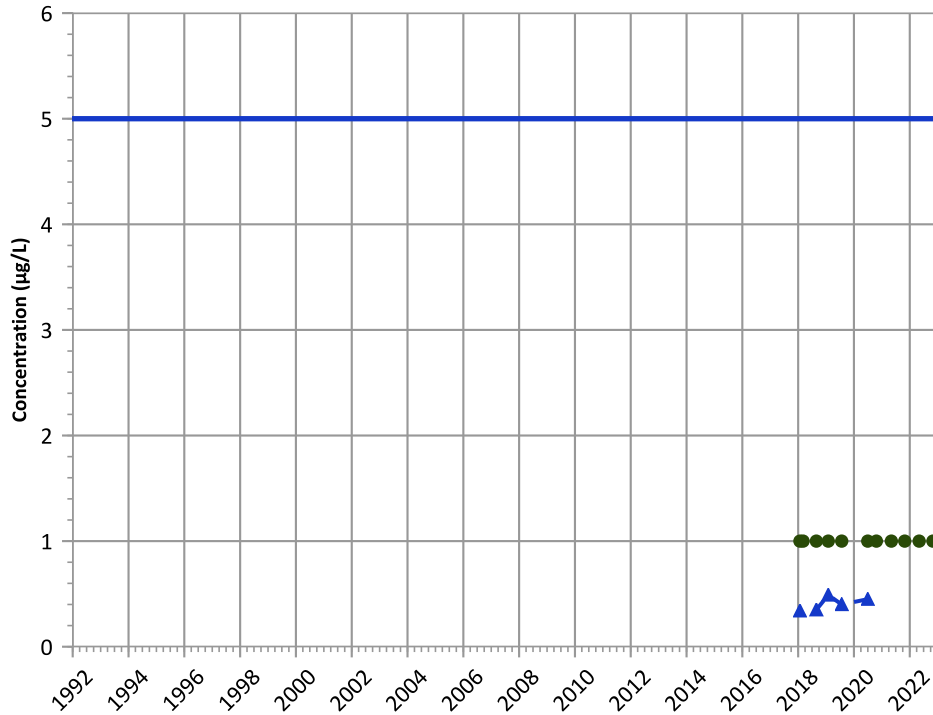
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

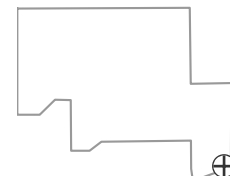
2020 - 2022 Data:

No Trend

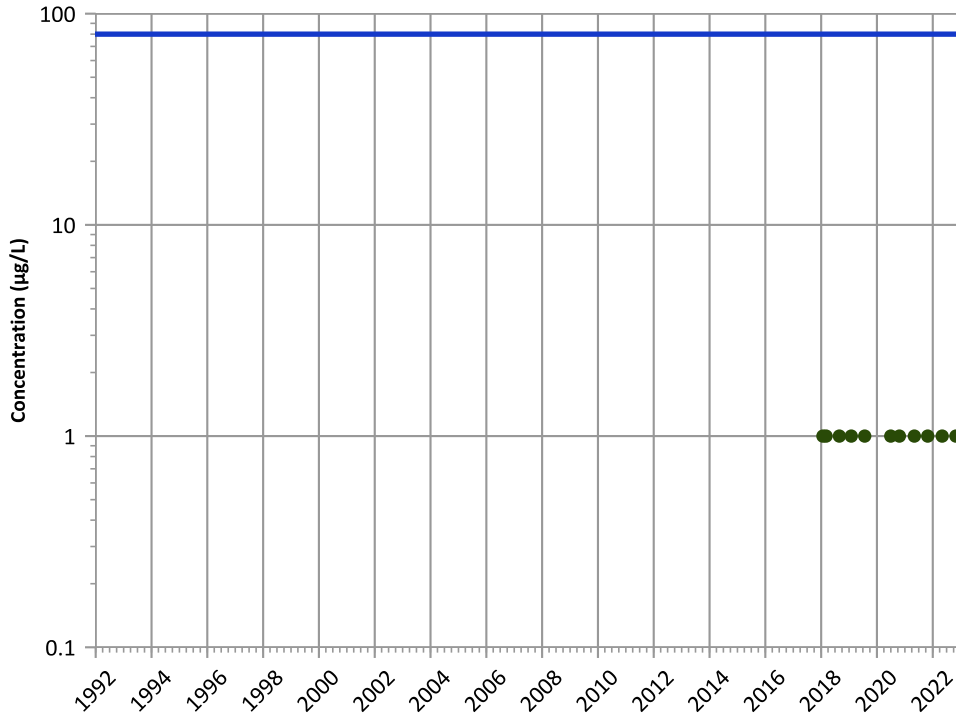
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

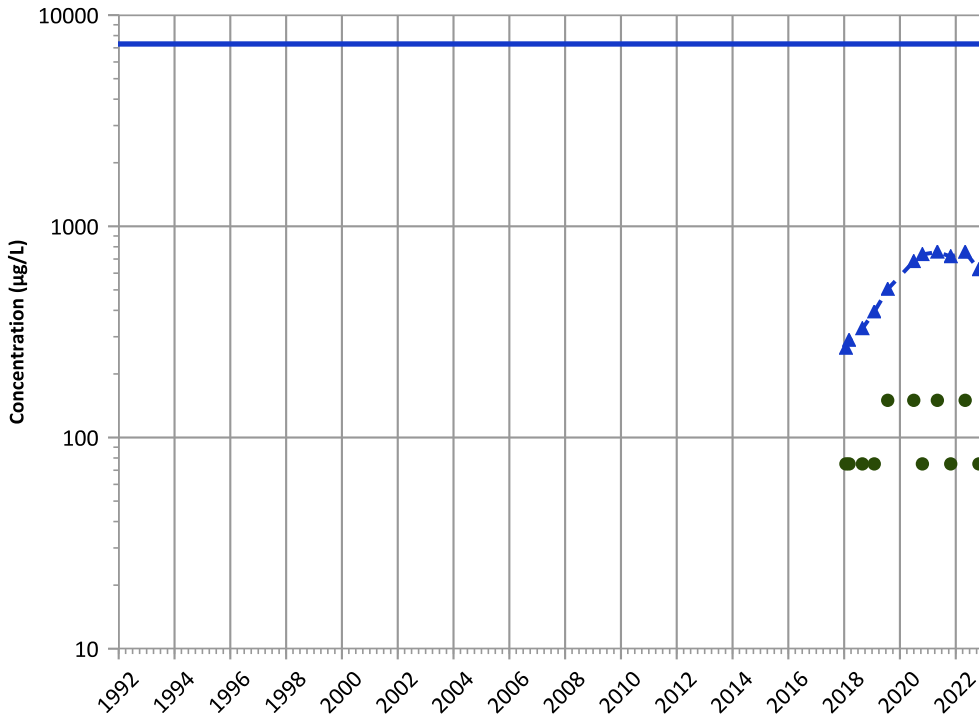


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

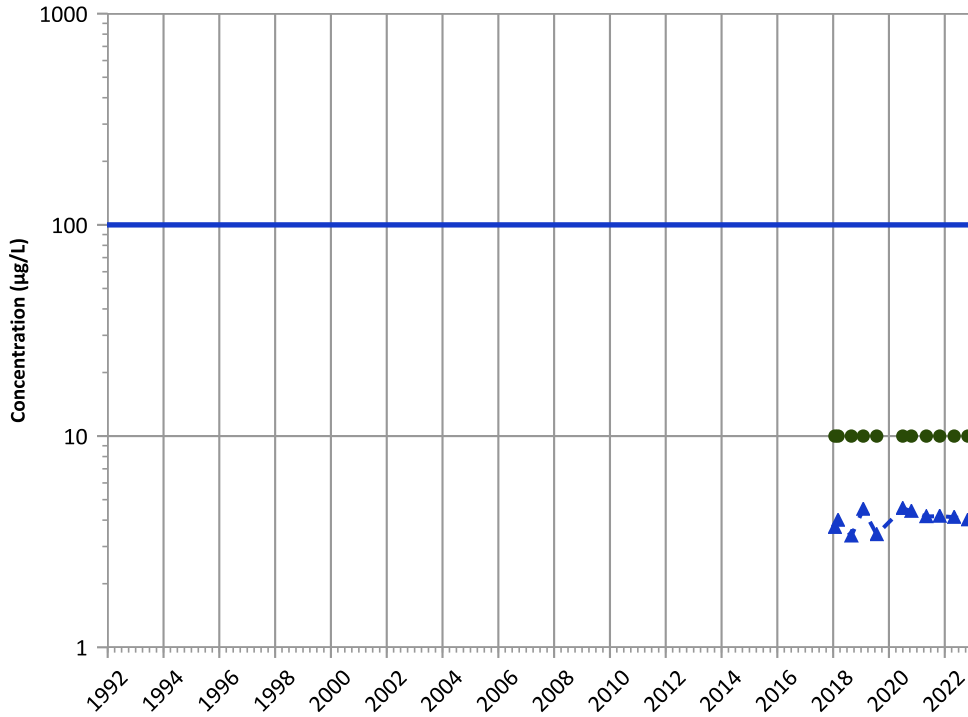
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

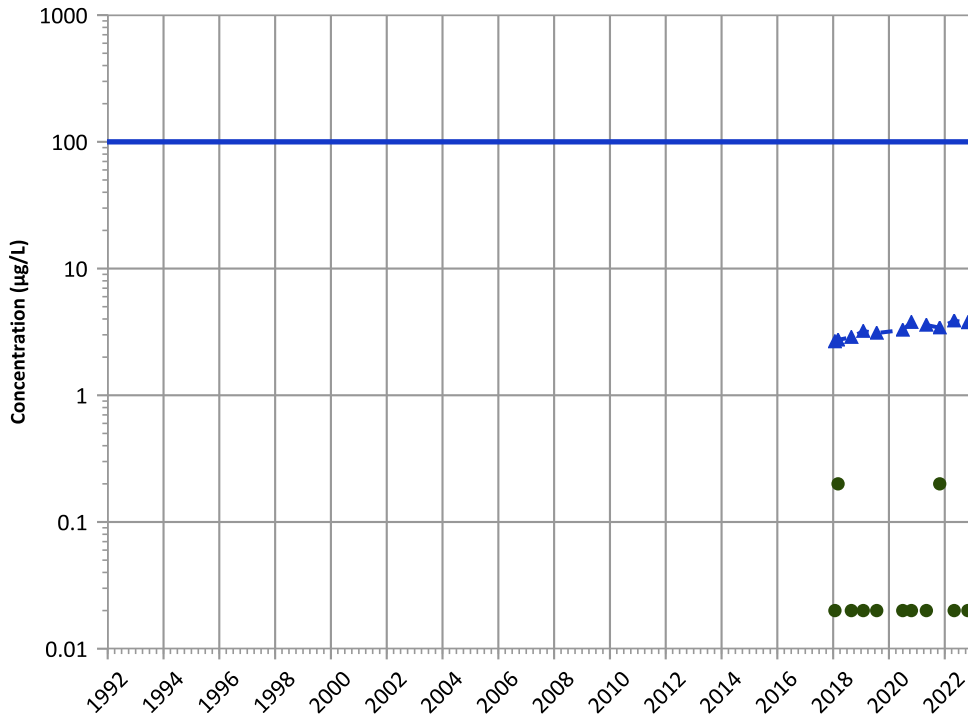


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

**Chromium, Hexavalent Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

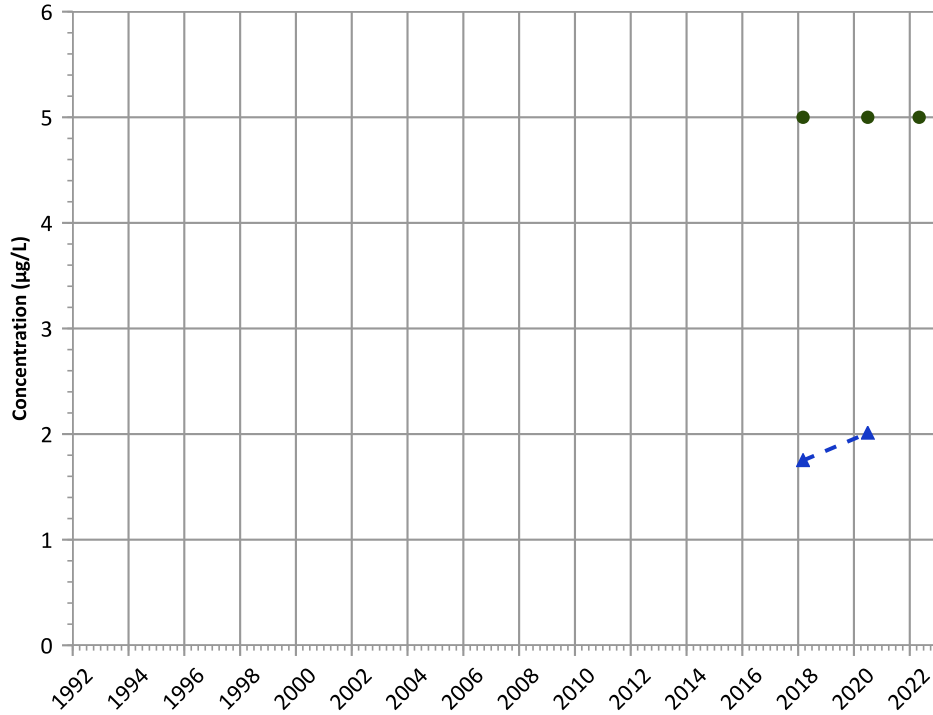
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

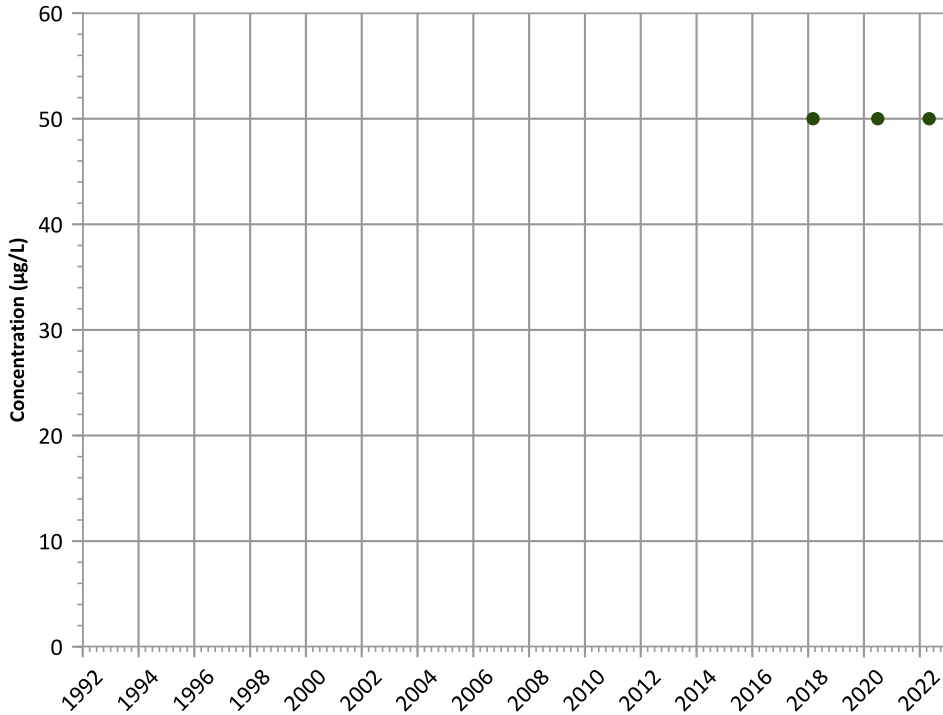
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

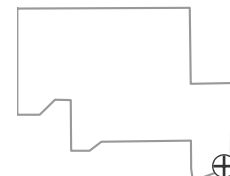
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

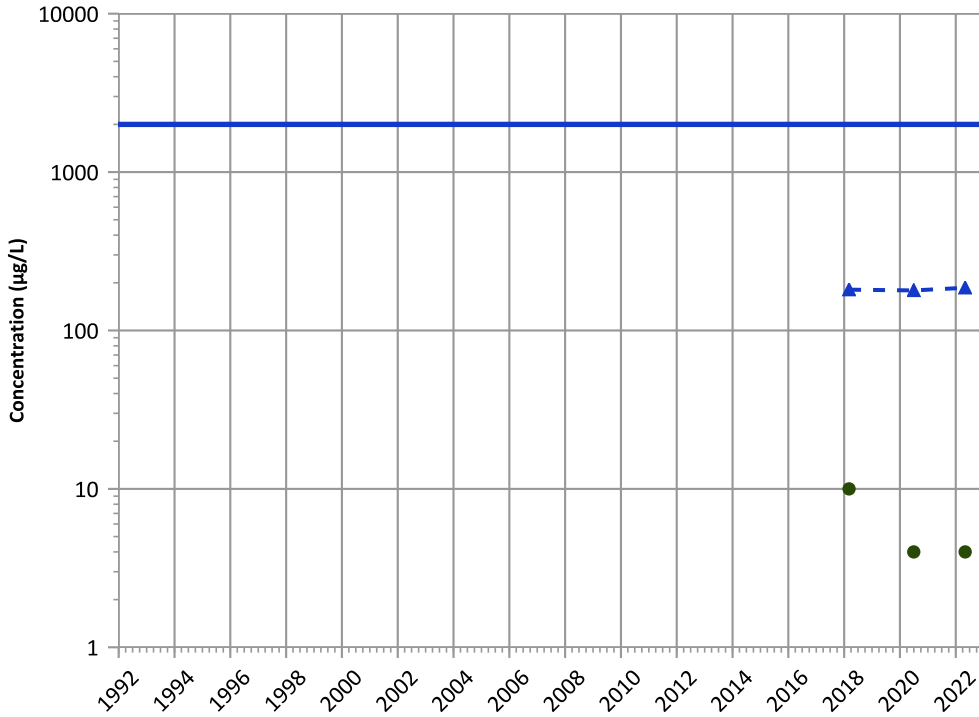
Data Date Range: 01/24/2018 to 10/31/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

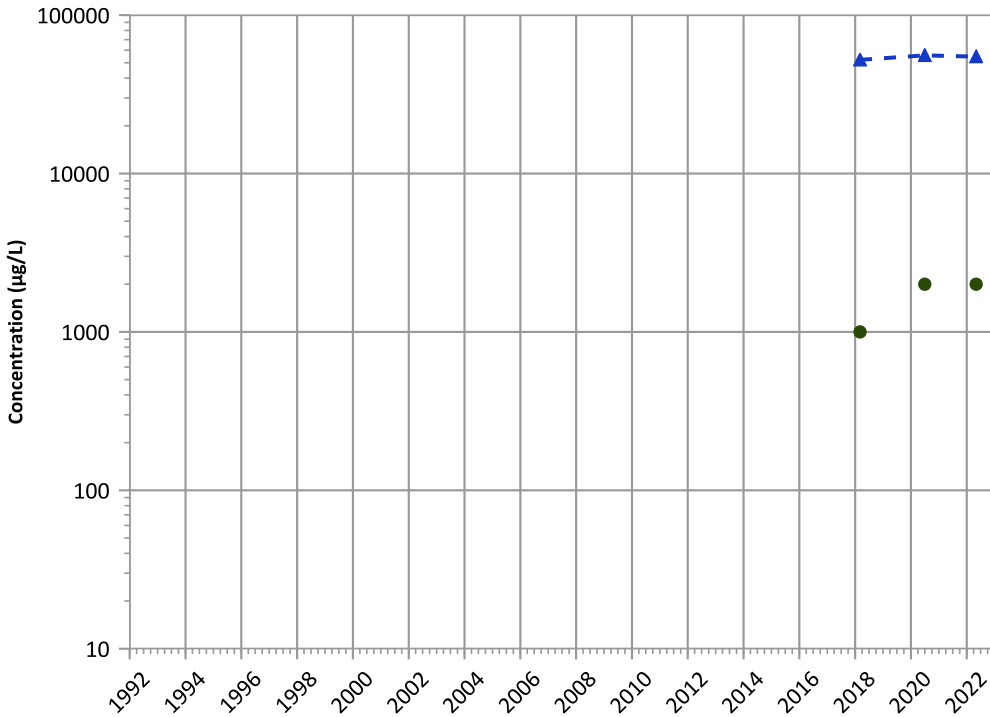


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend

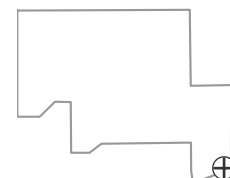


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

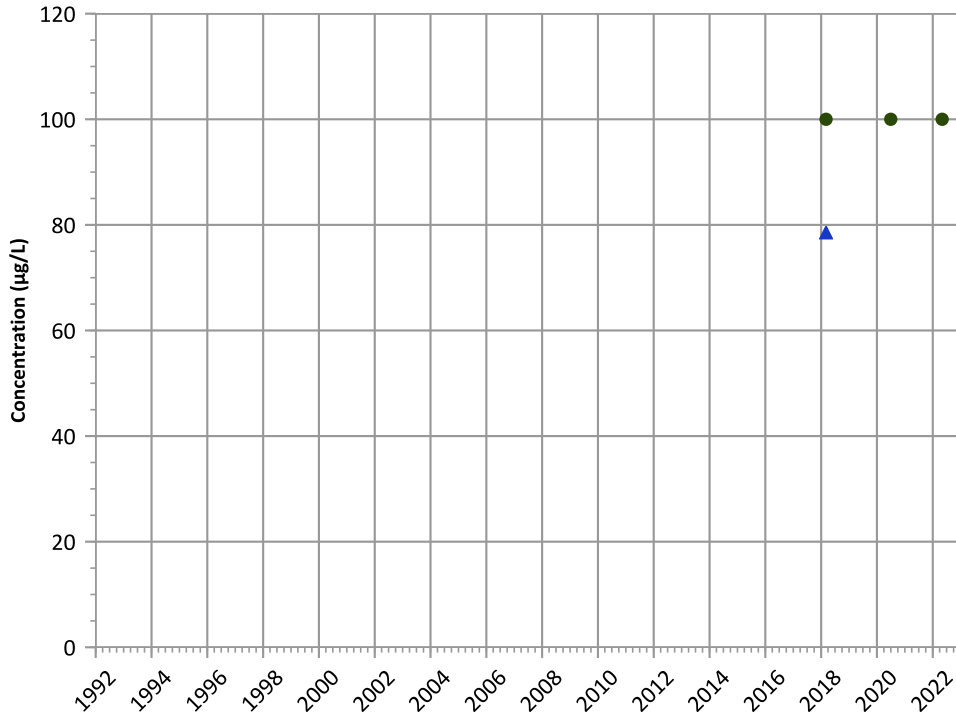


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

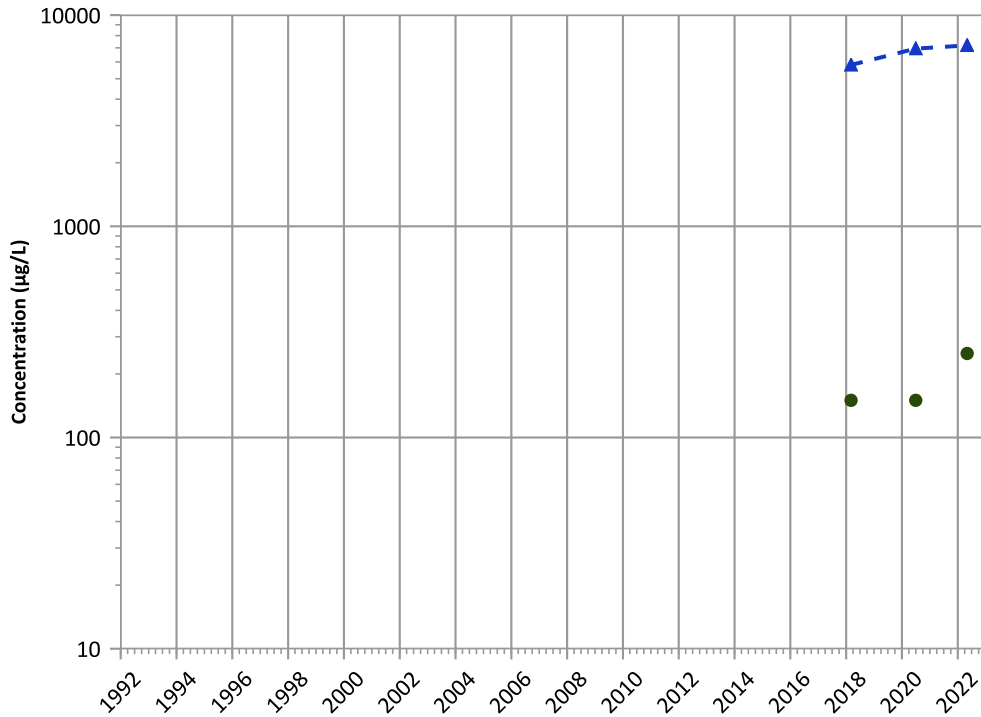


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

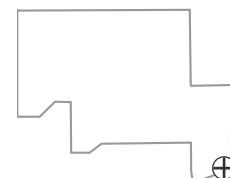


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

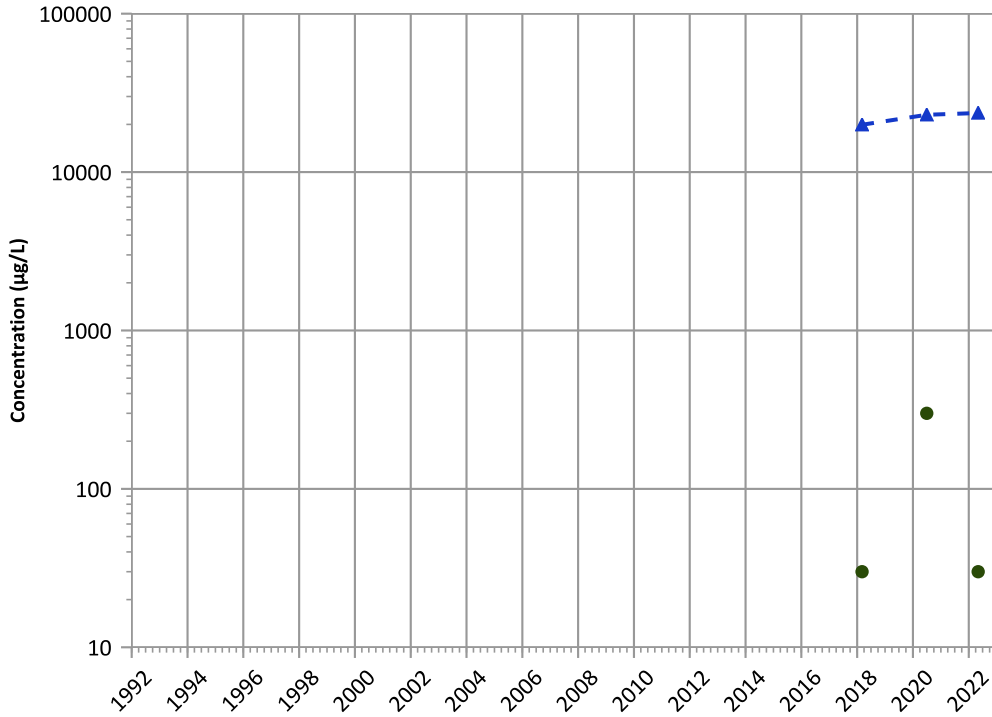


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

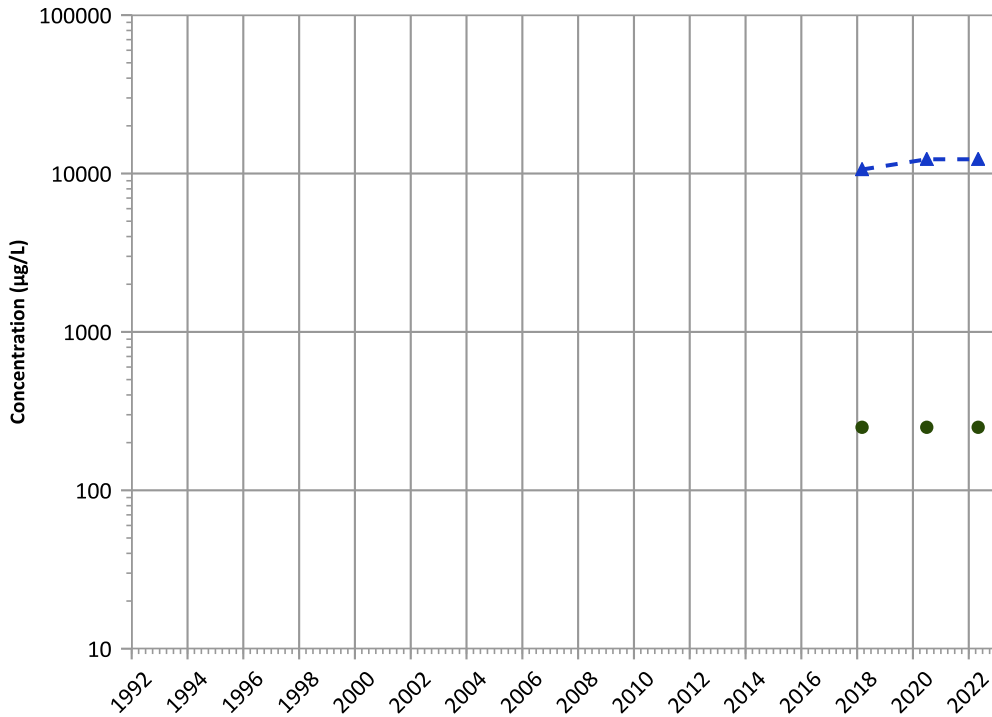


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

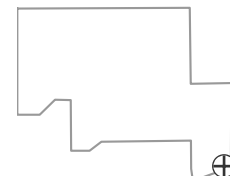


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

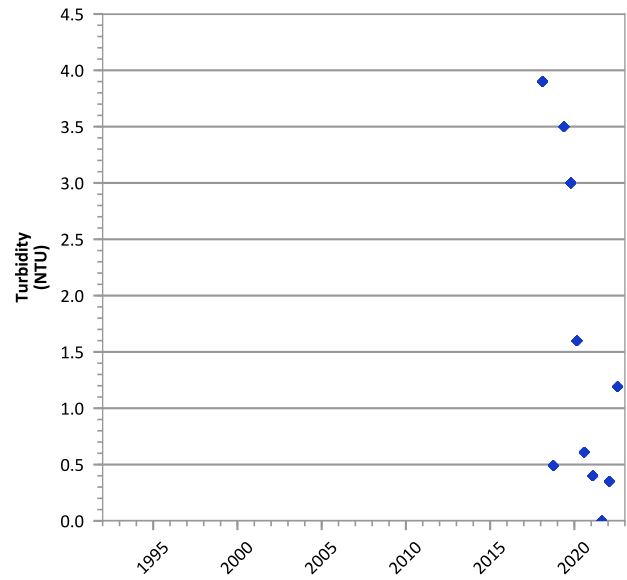
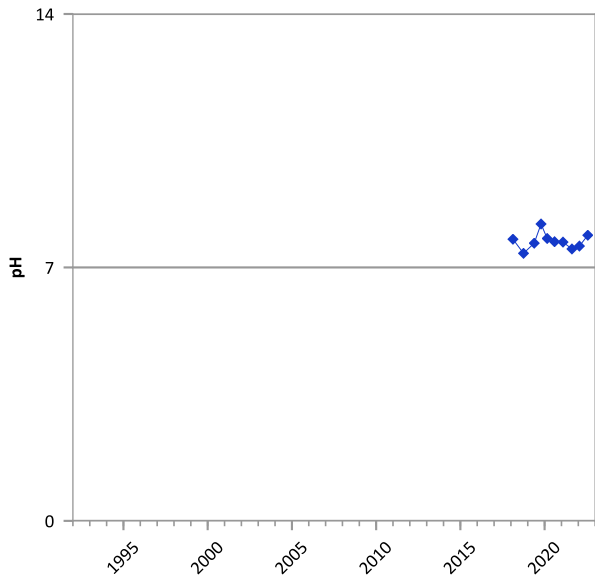
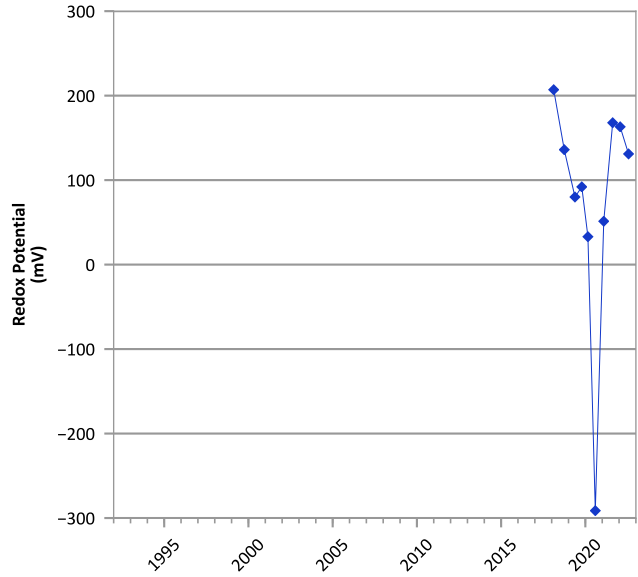
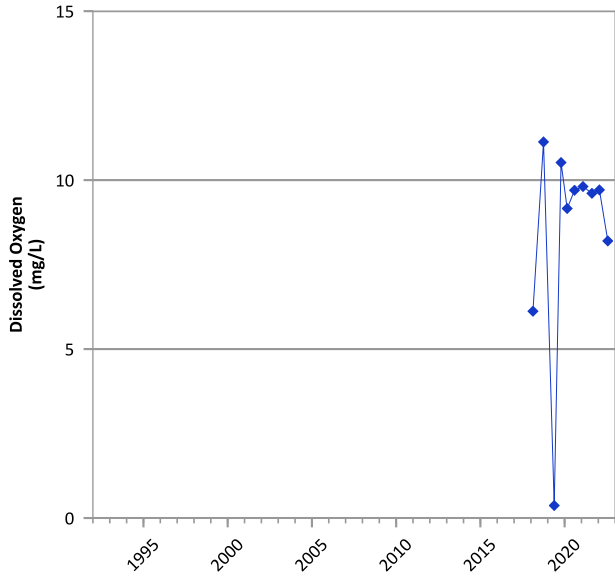
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/24/2018 to 10/31/2022  
Analysis Date: 04/27/2023

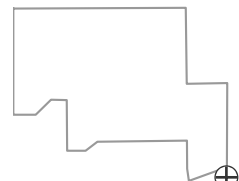
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



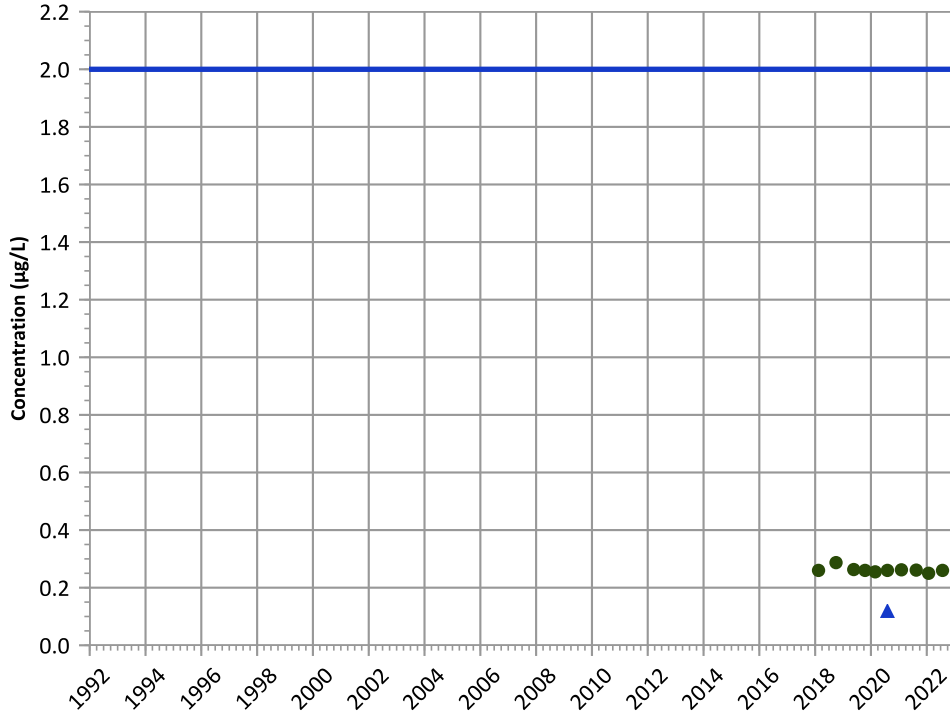
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/14/2018 to 07/26/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

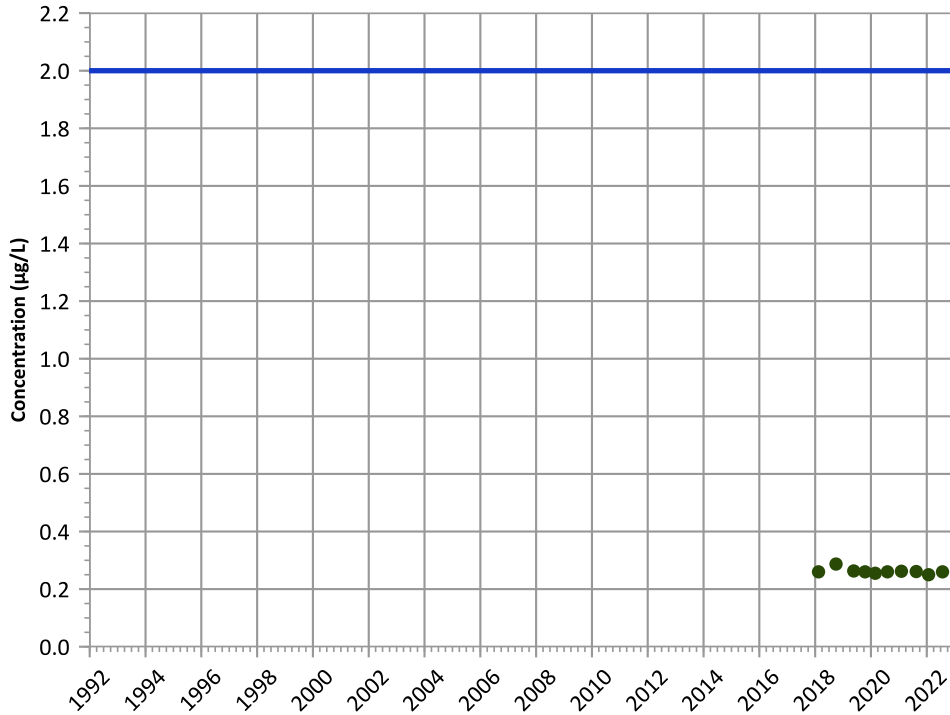


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

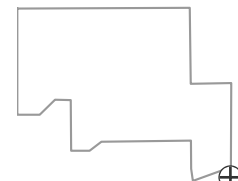


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

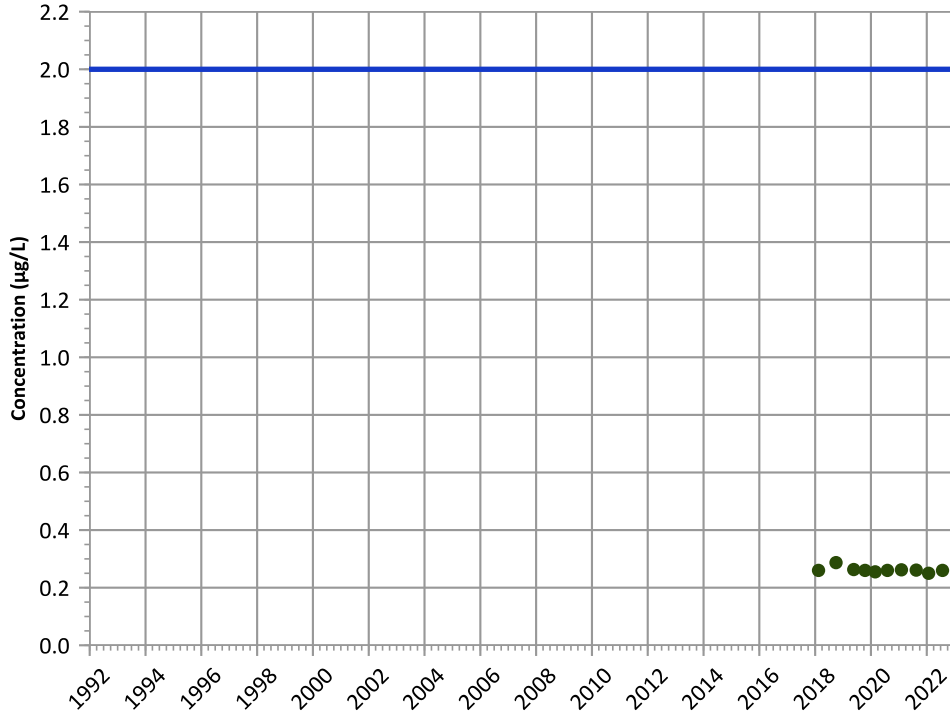


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

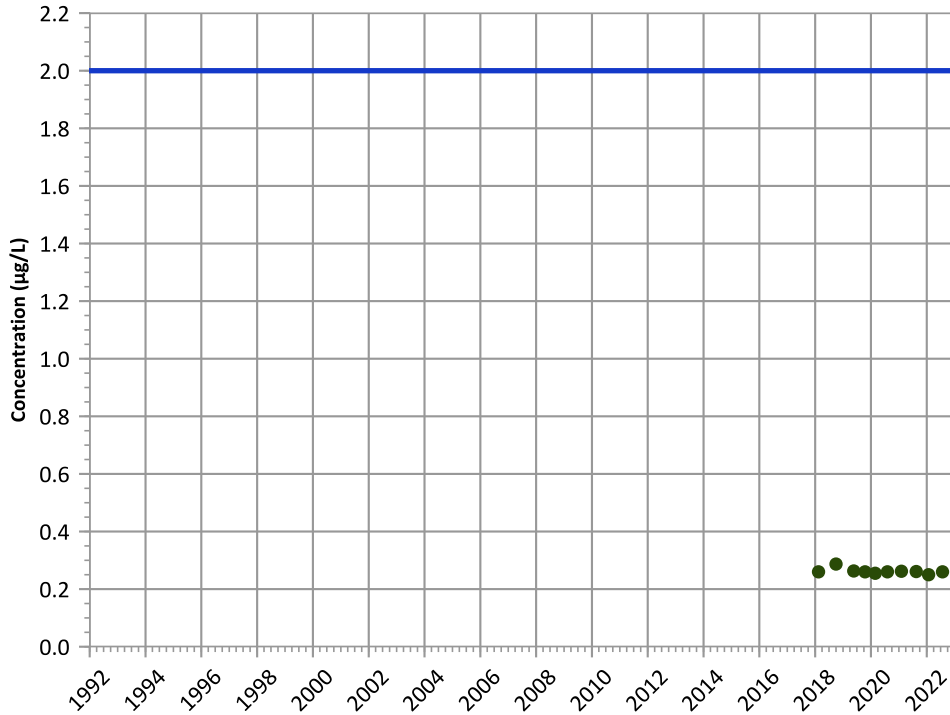
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

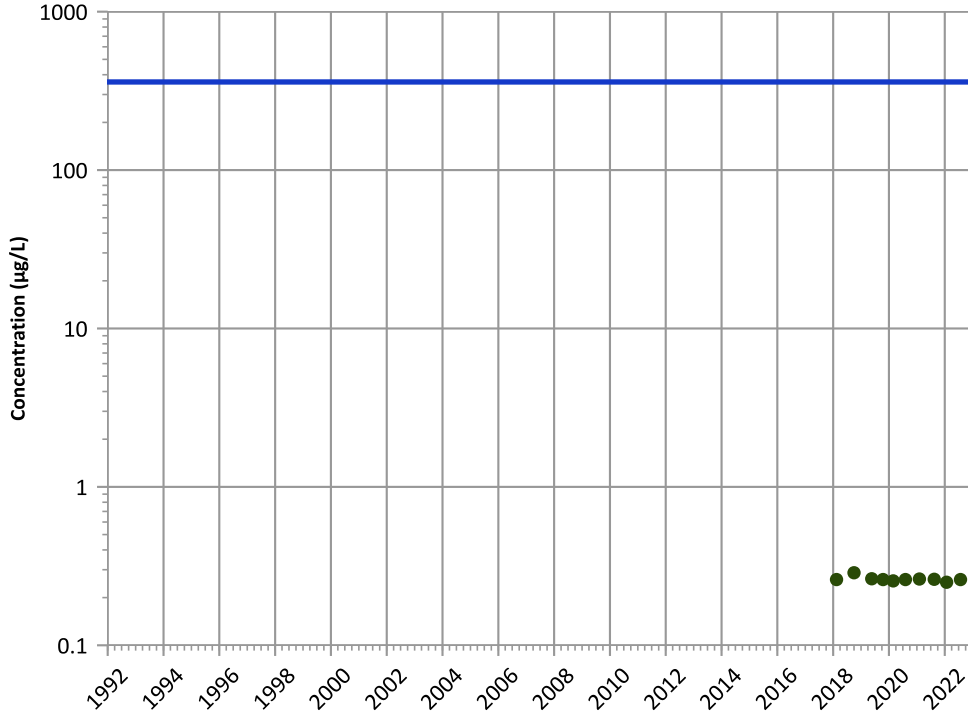
Well Location





PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

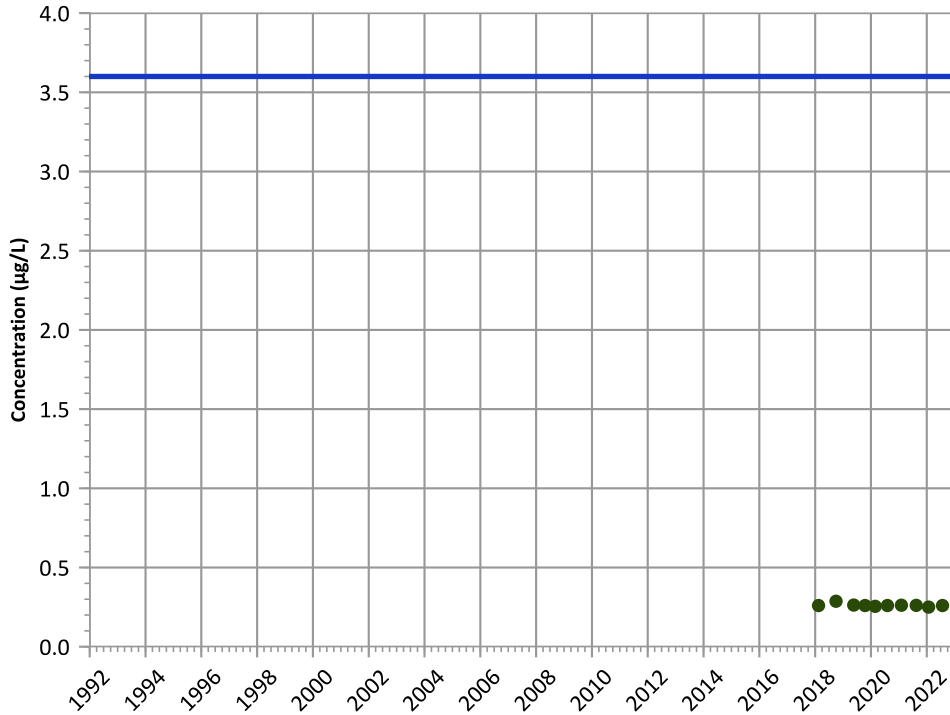


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend

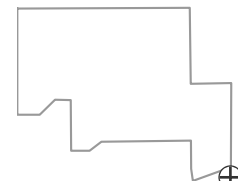


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

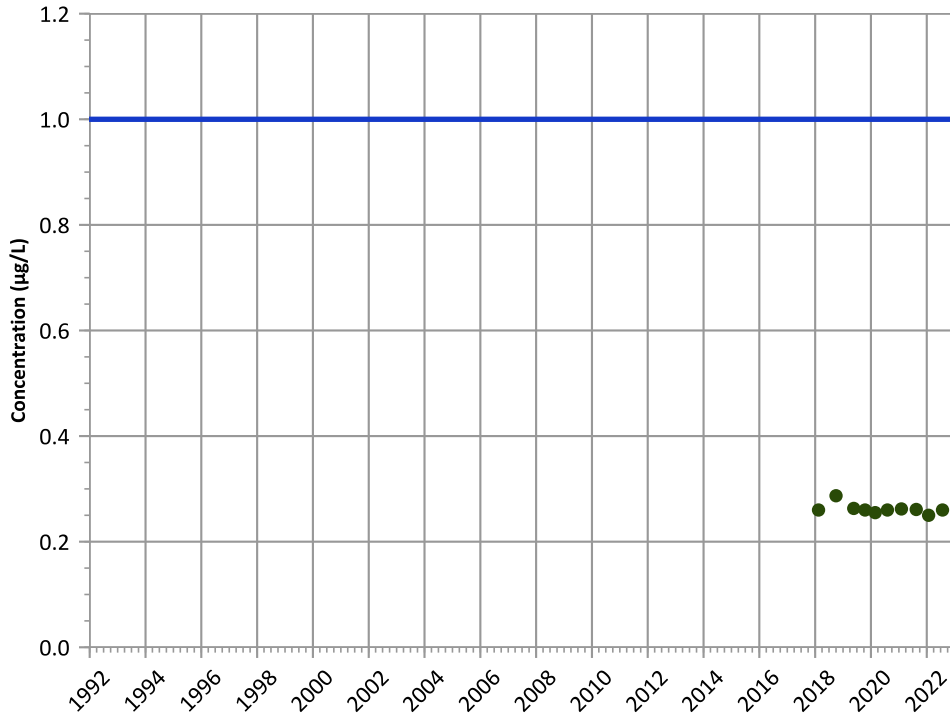
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

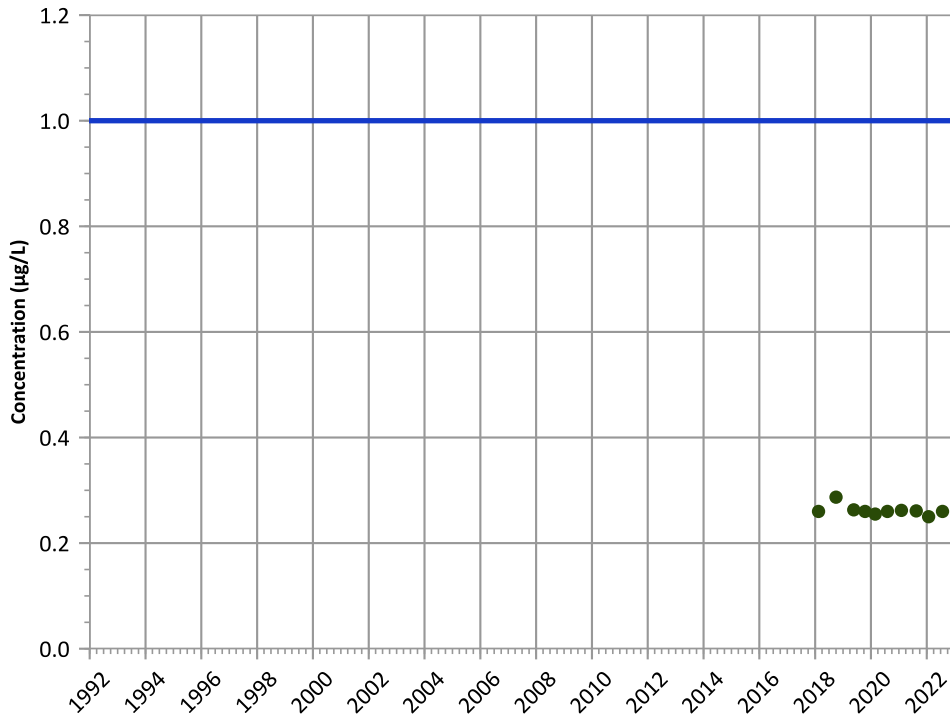


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

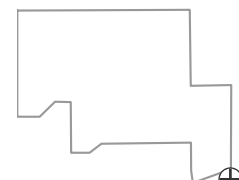


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

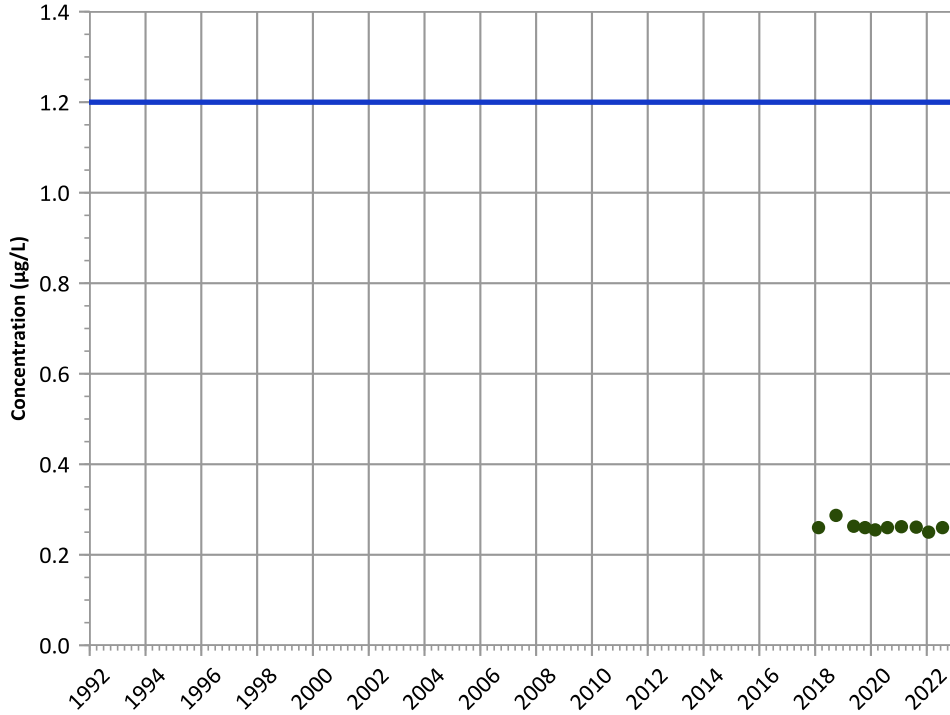


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

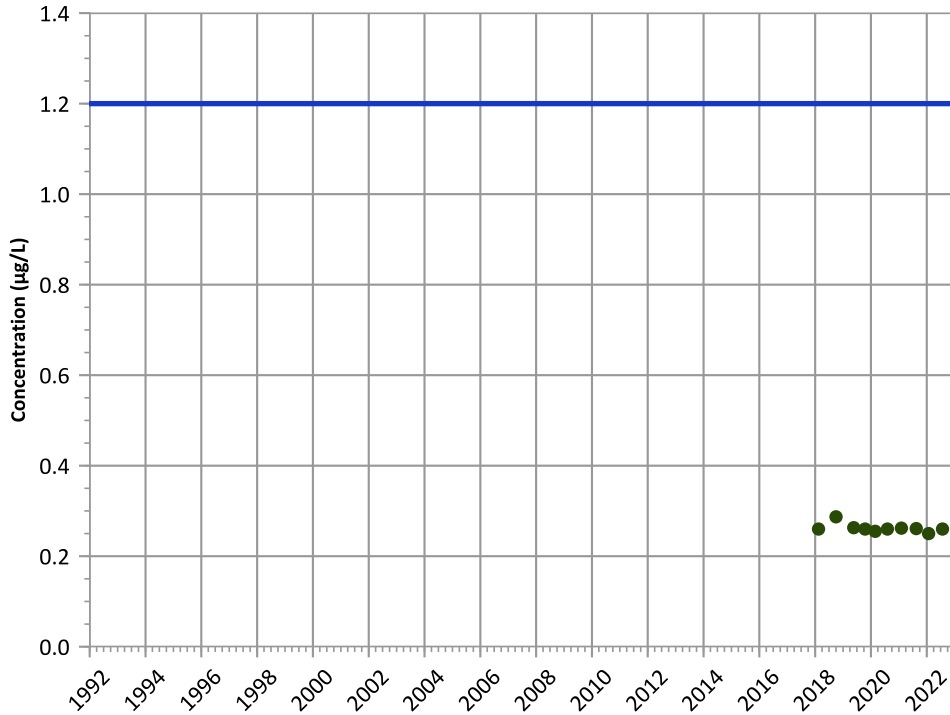
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

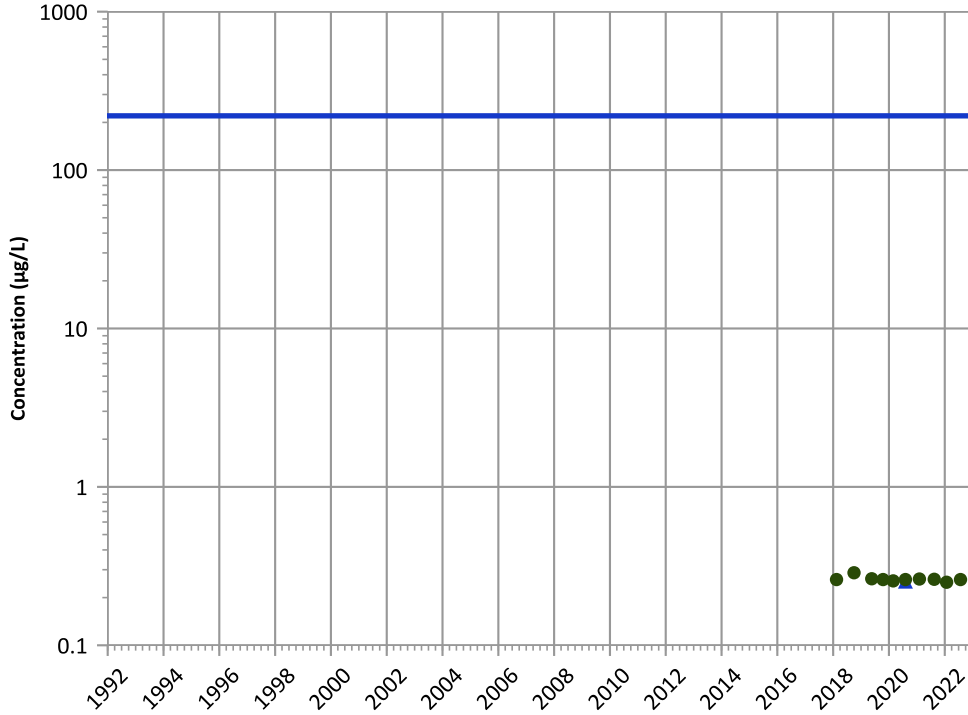


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

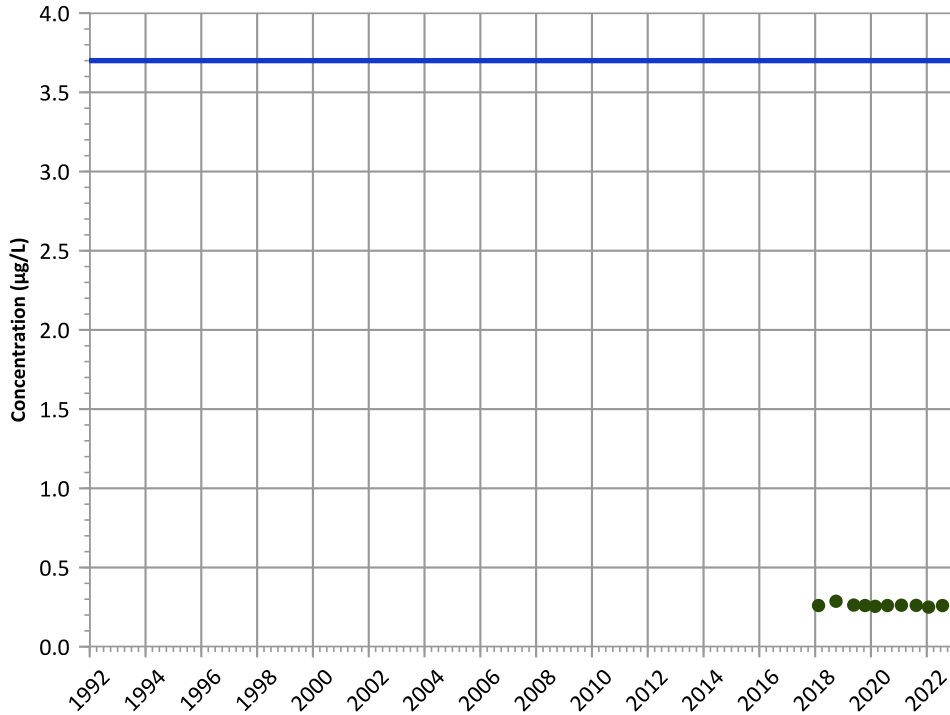


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend

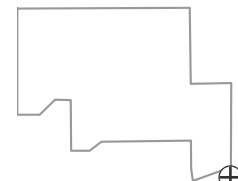


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

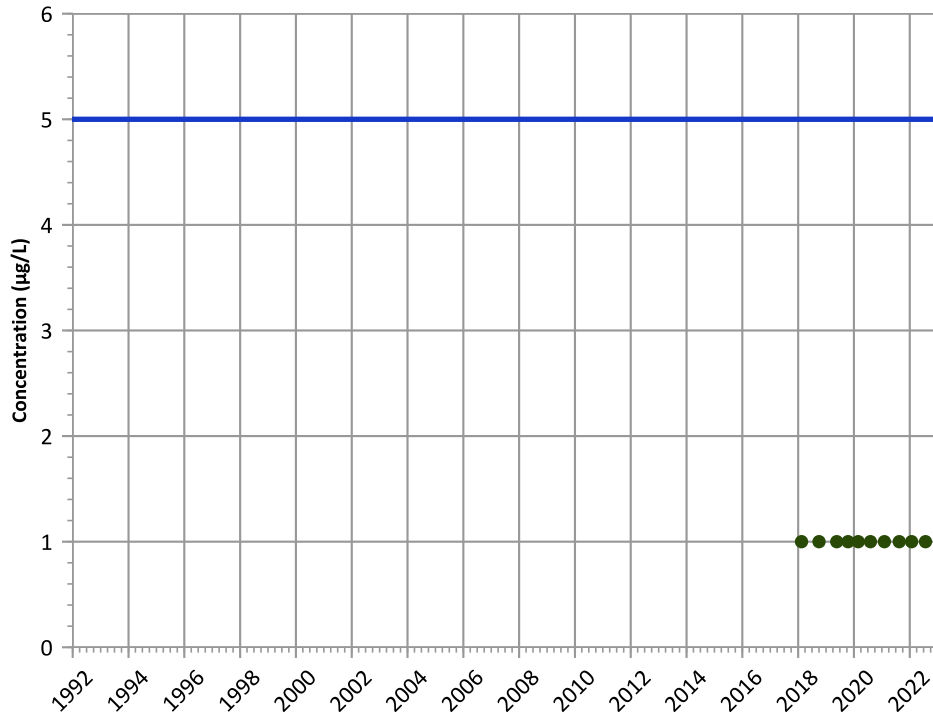
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

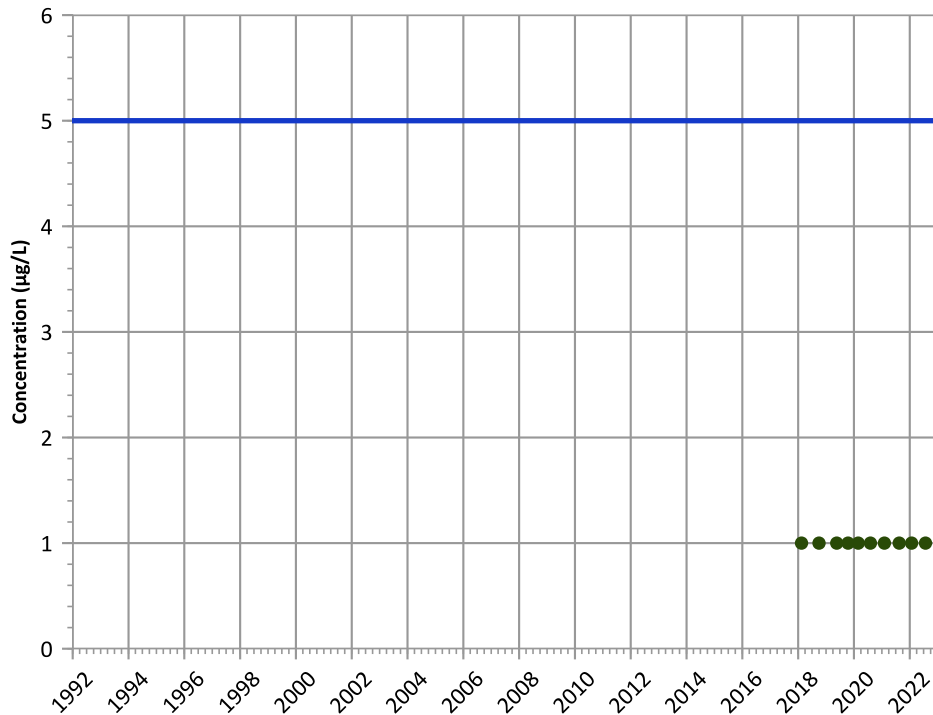
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

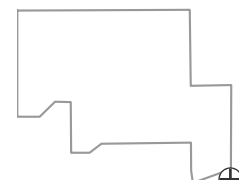
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

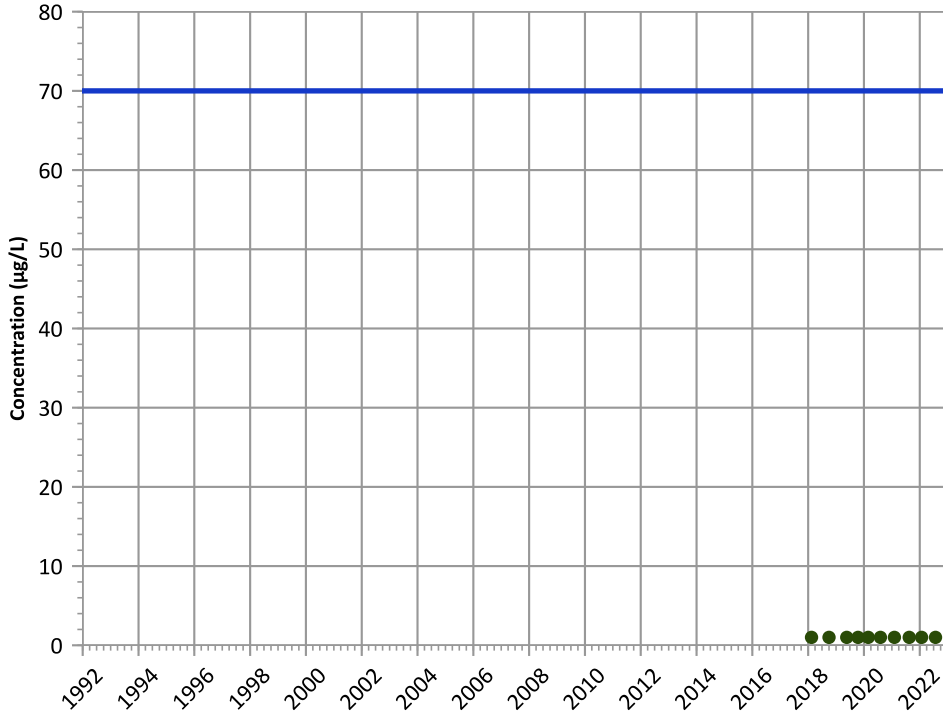
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

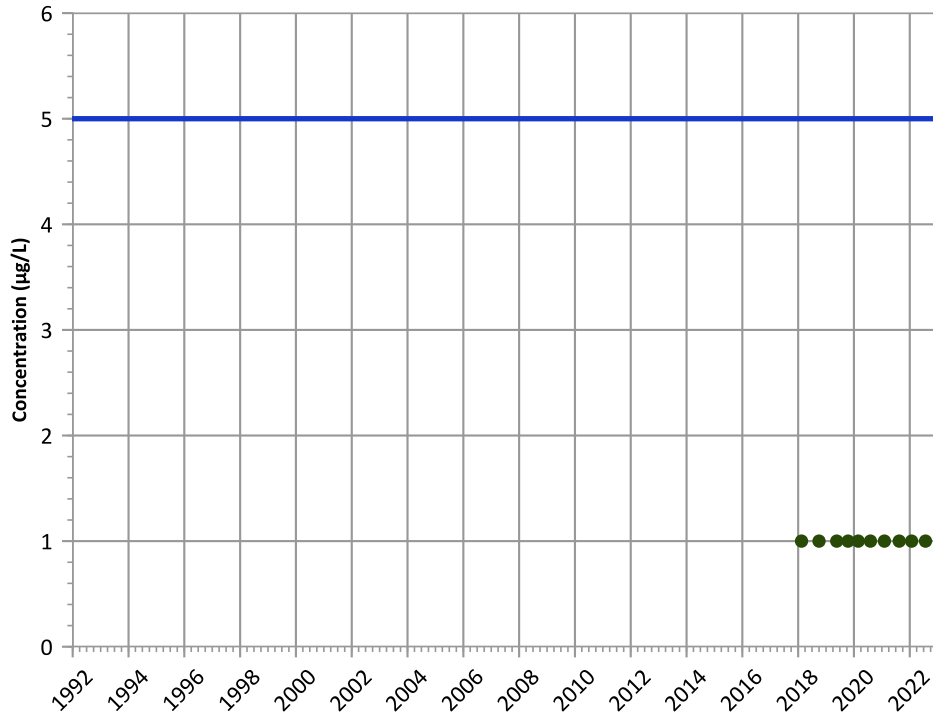
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

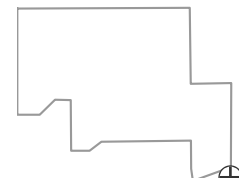
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

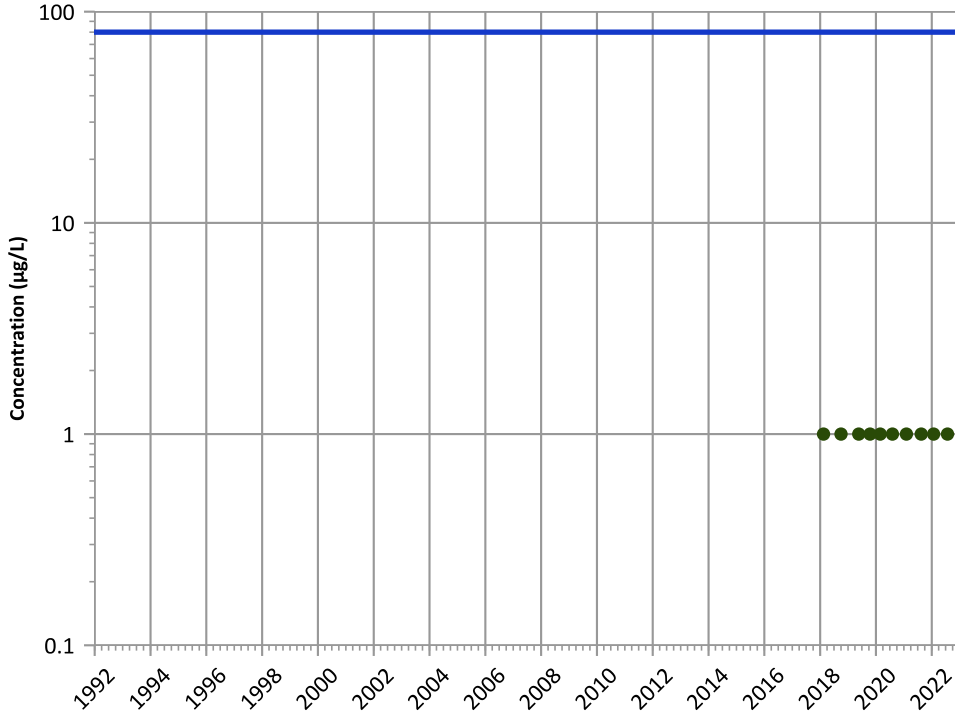
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

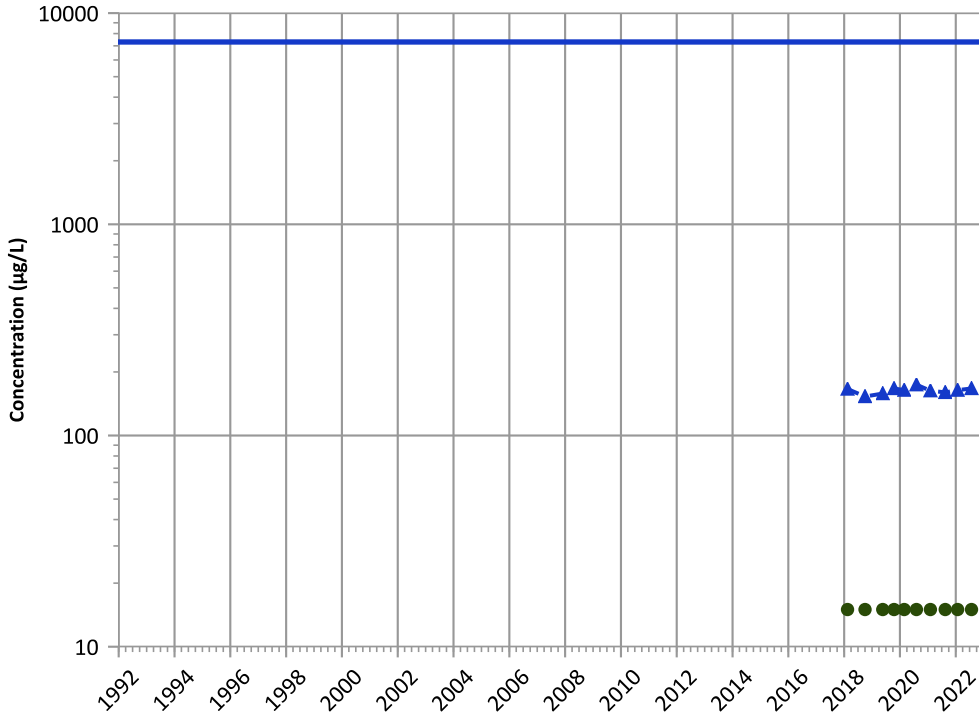
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

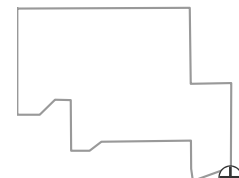
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

**Well Location**

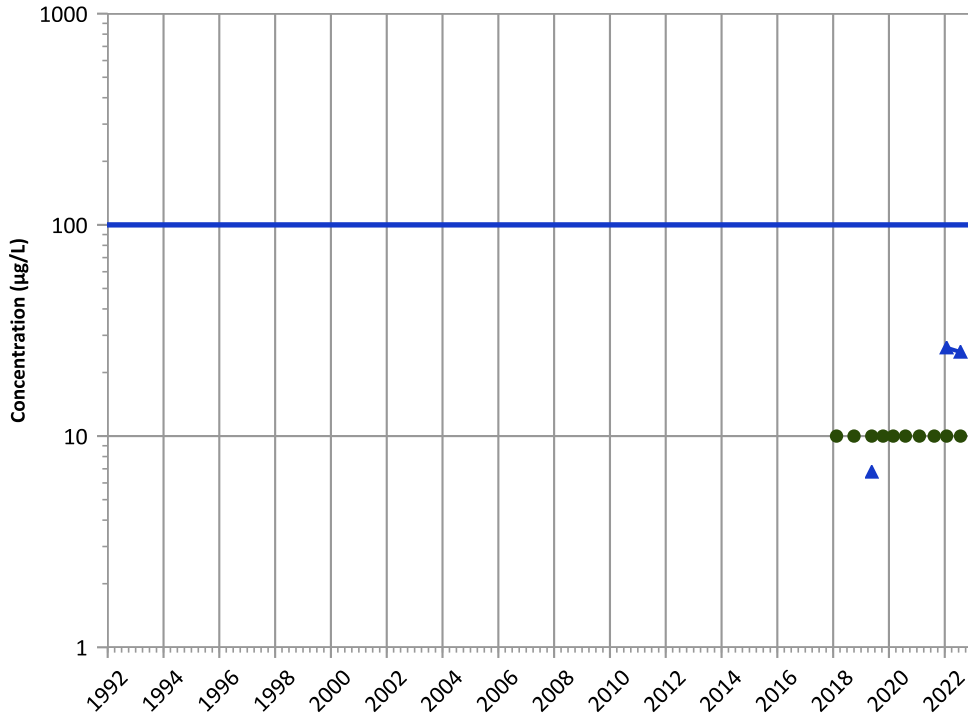


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

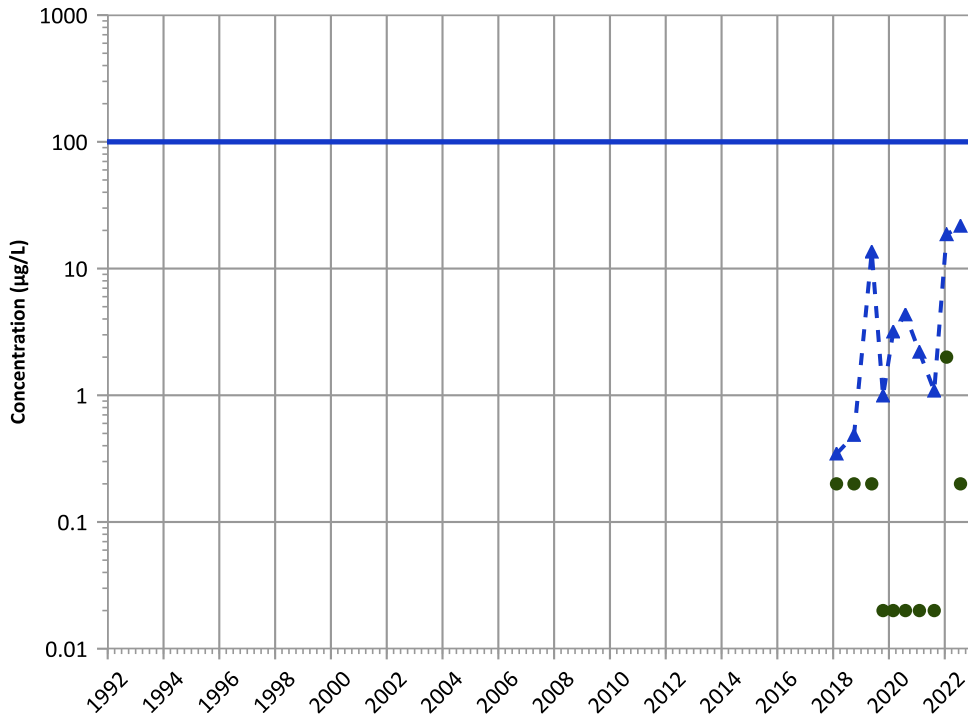


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

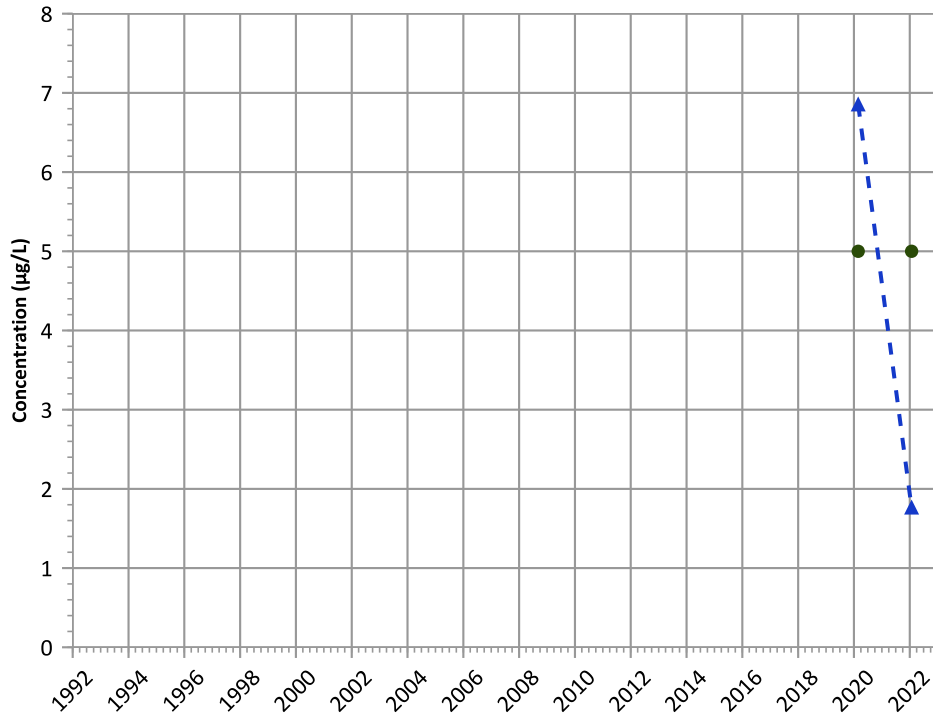
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend**

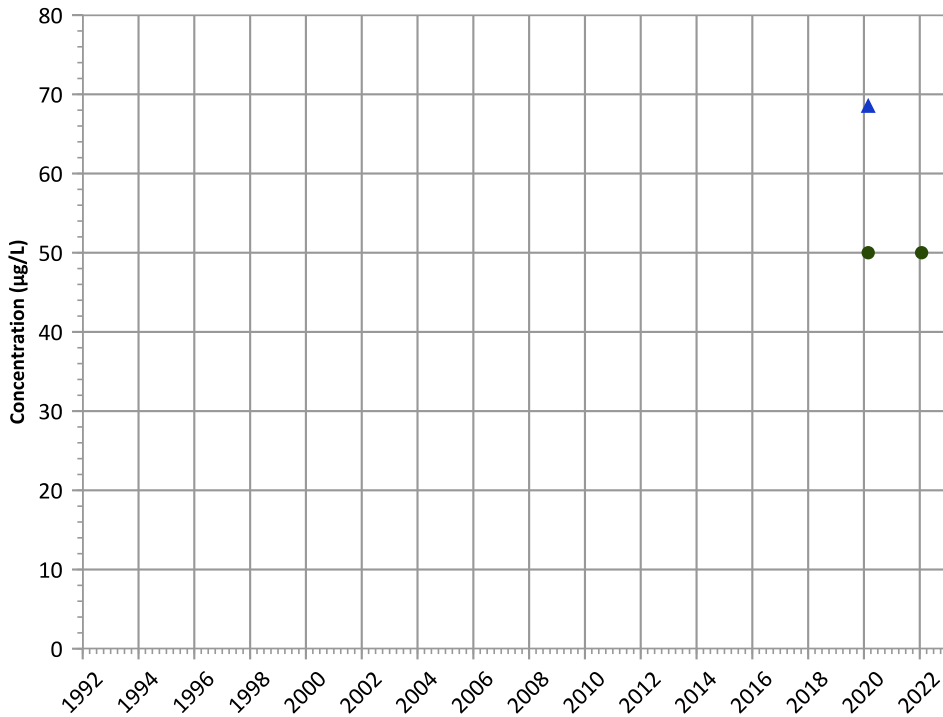


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Aluminum Trend**

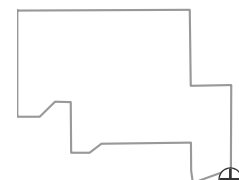


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

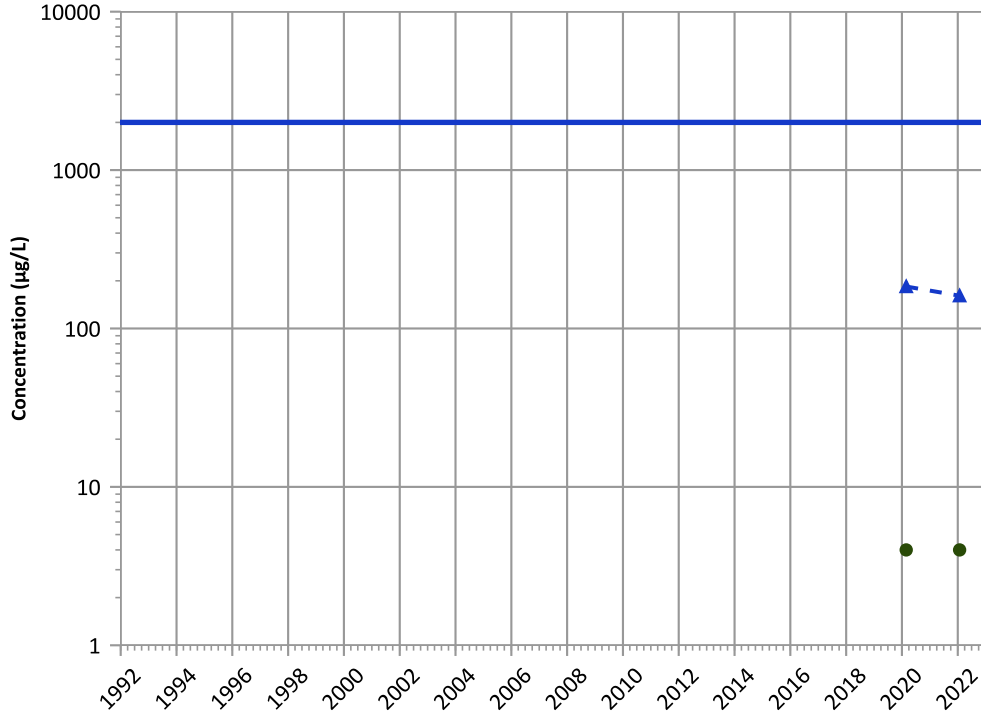


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

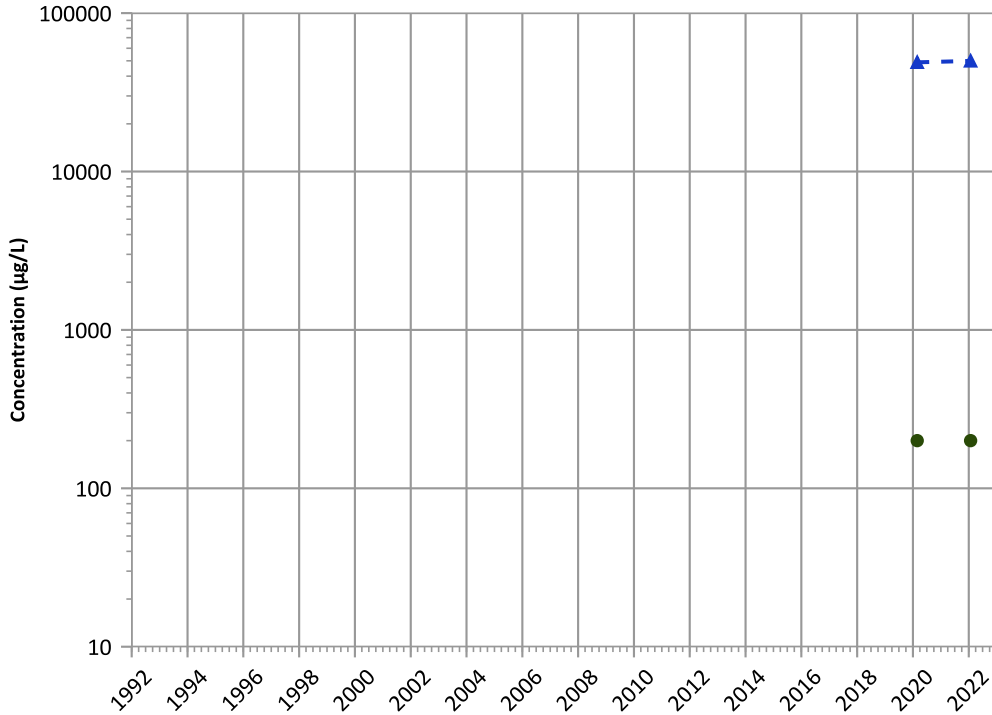


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend

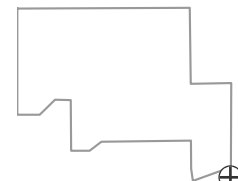


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

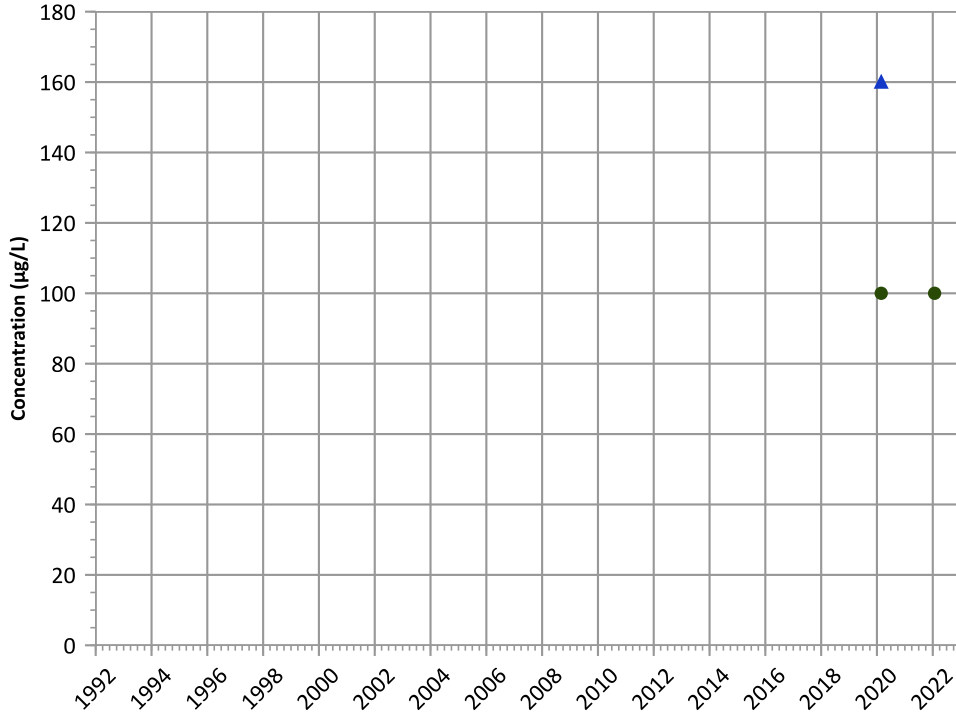


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

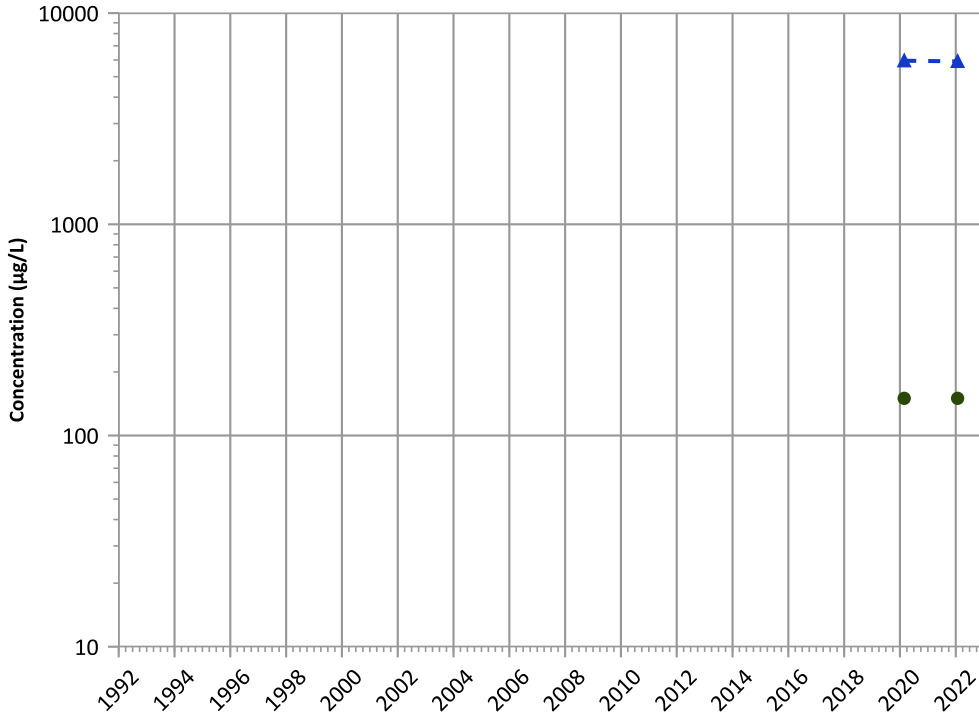


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

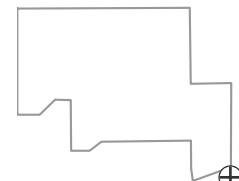


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

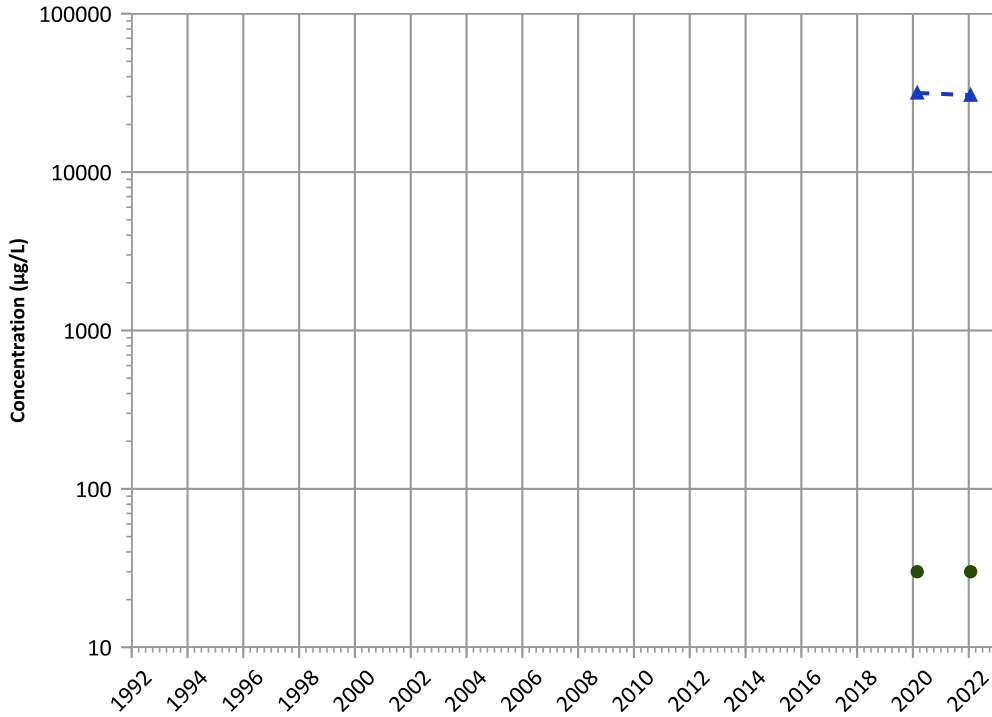


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

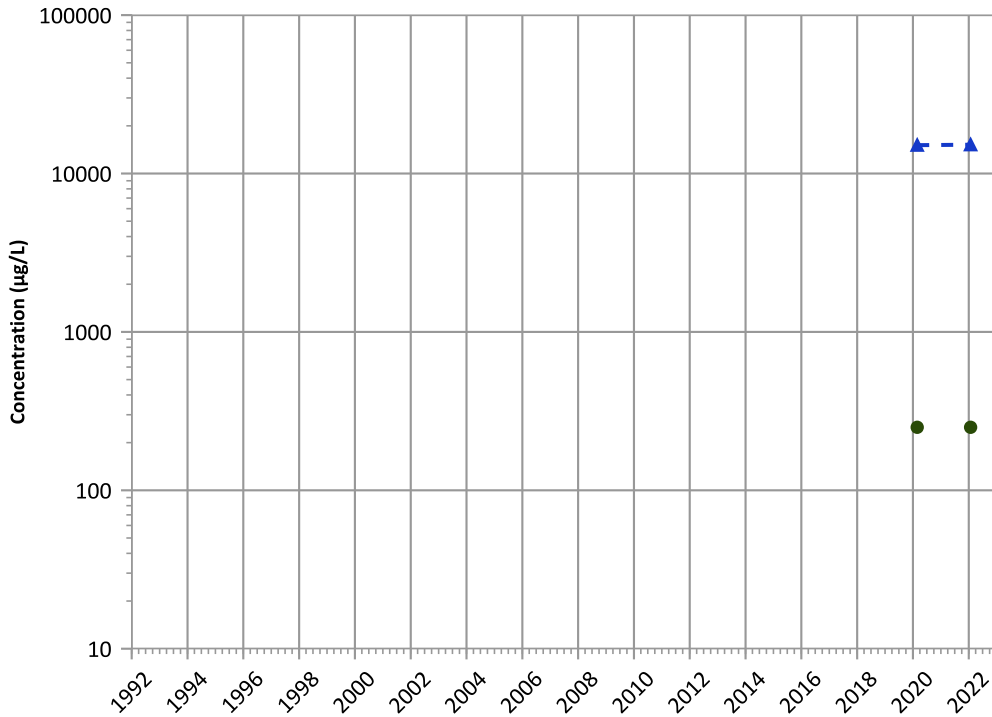


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

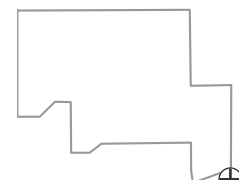


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

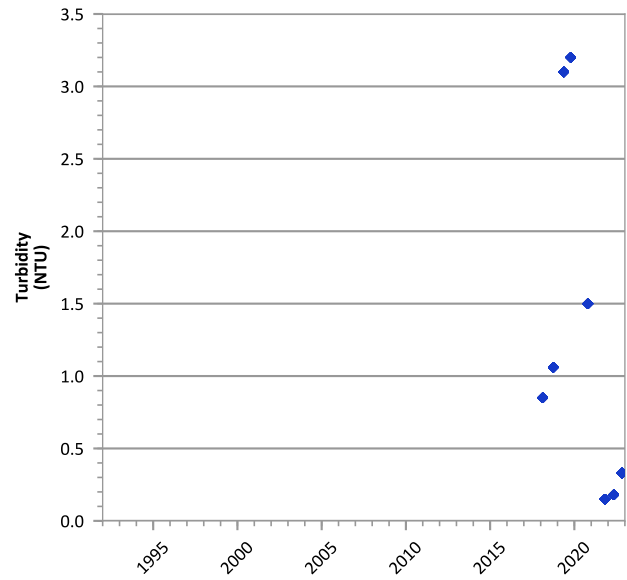
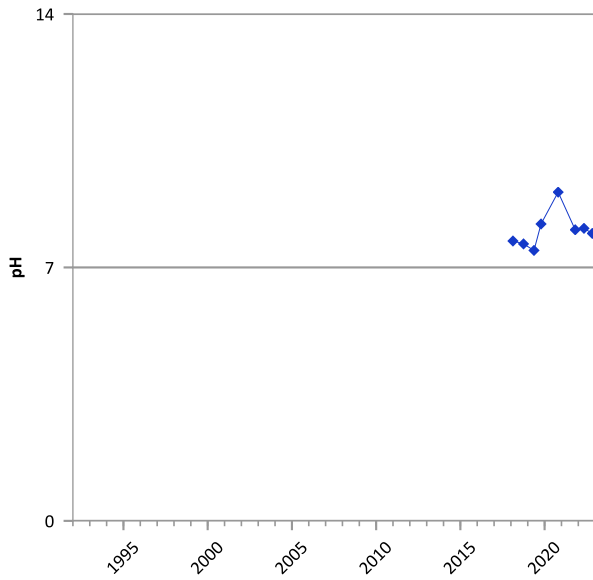
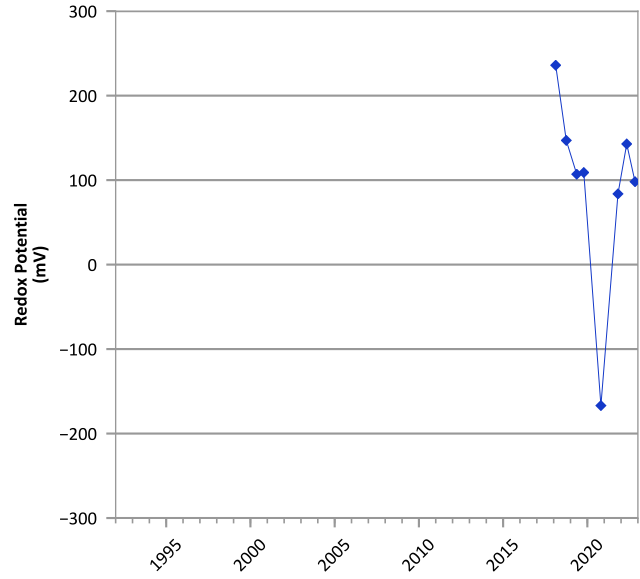
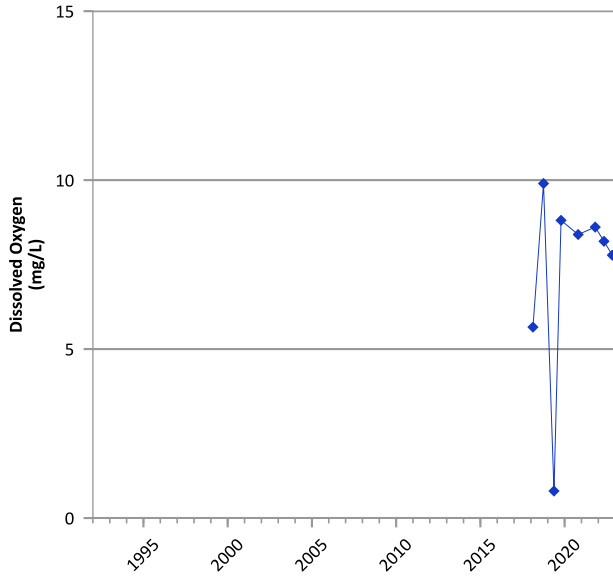
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



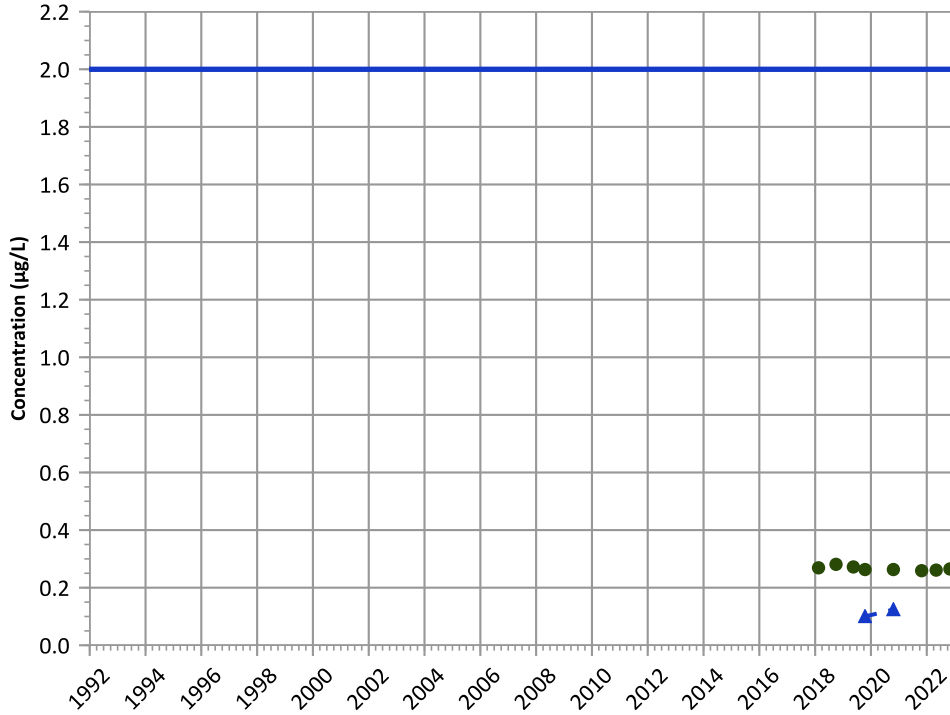
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/14/2018 to 10/31/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

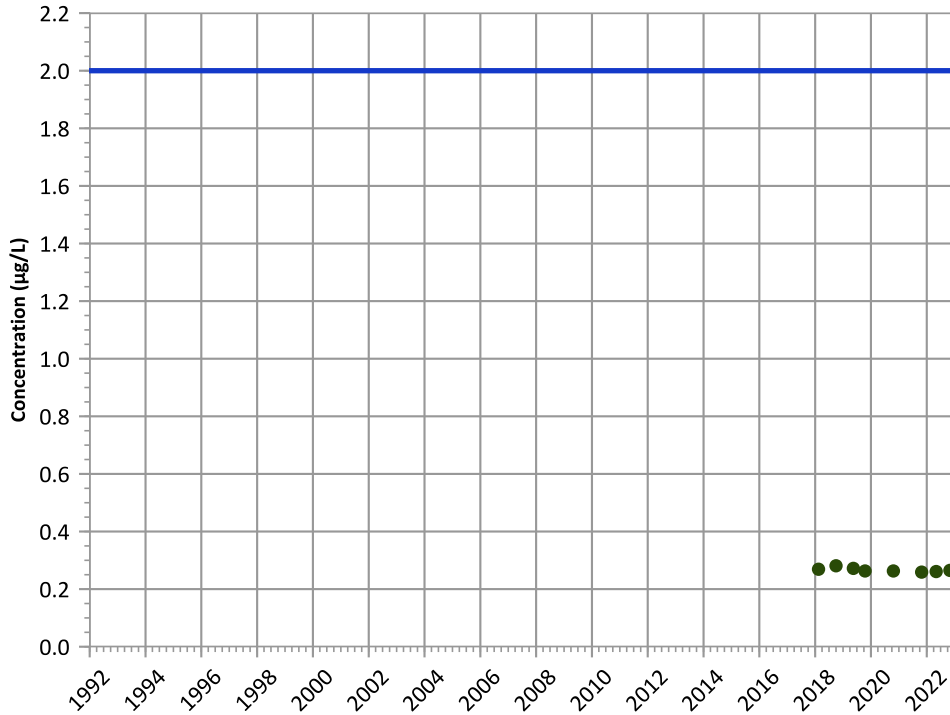


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

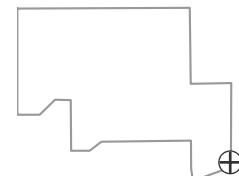
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

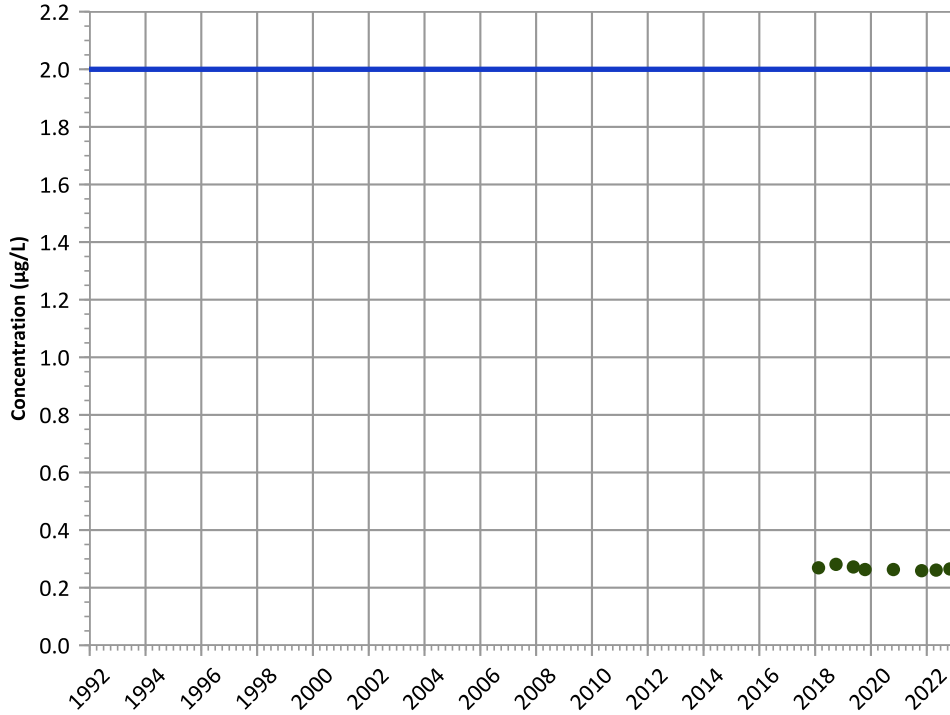
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

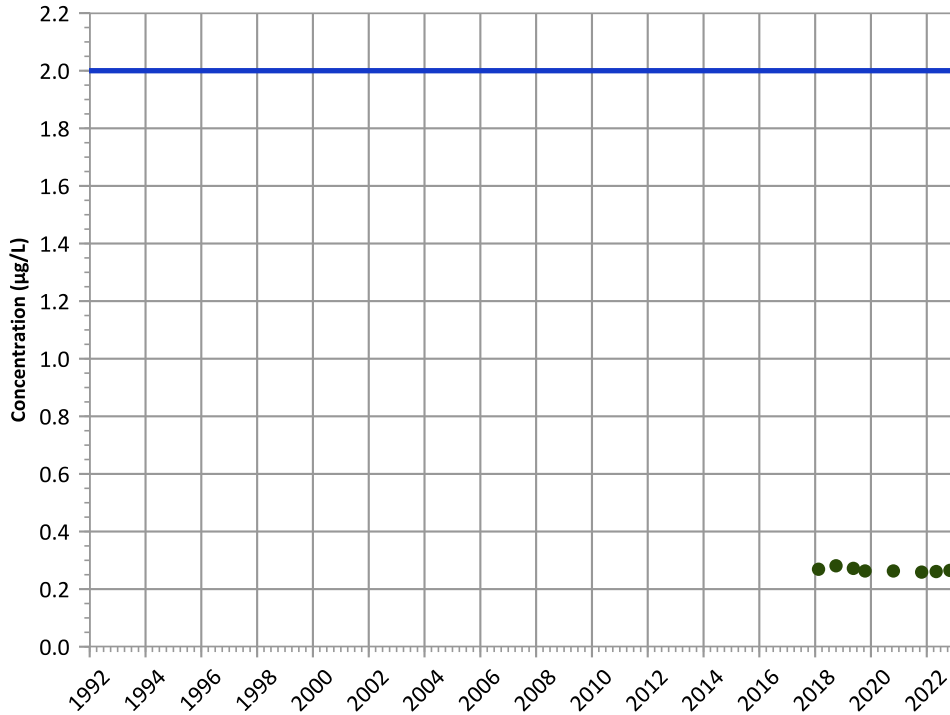


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

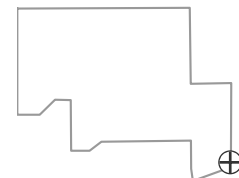
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

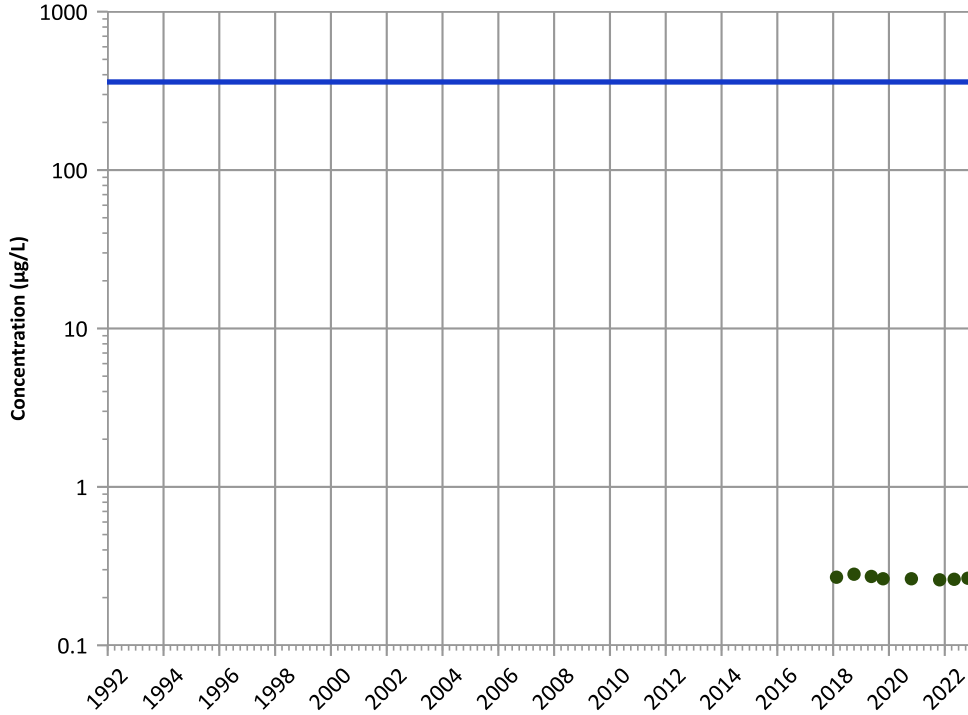
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

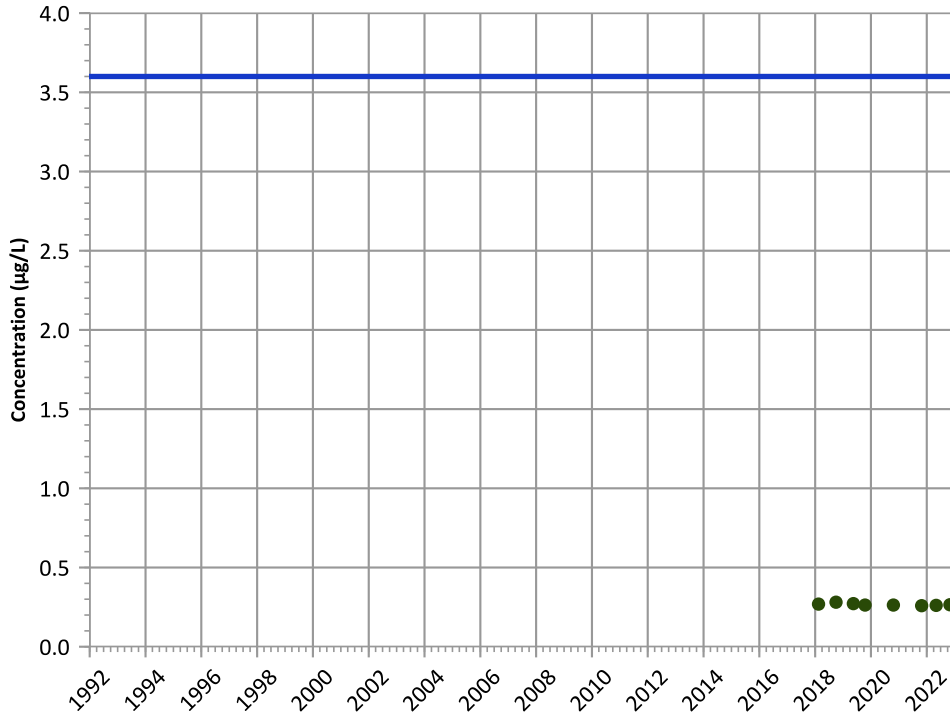


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

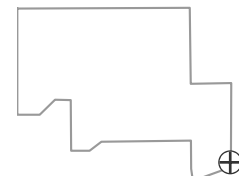
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

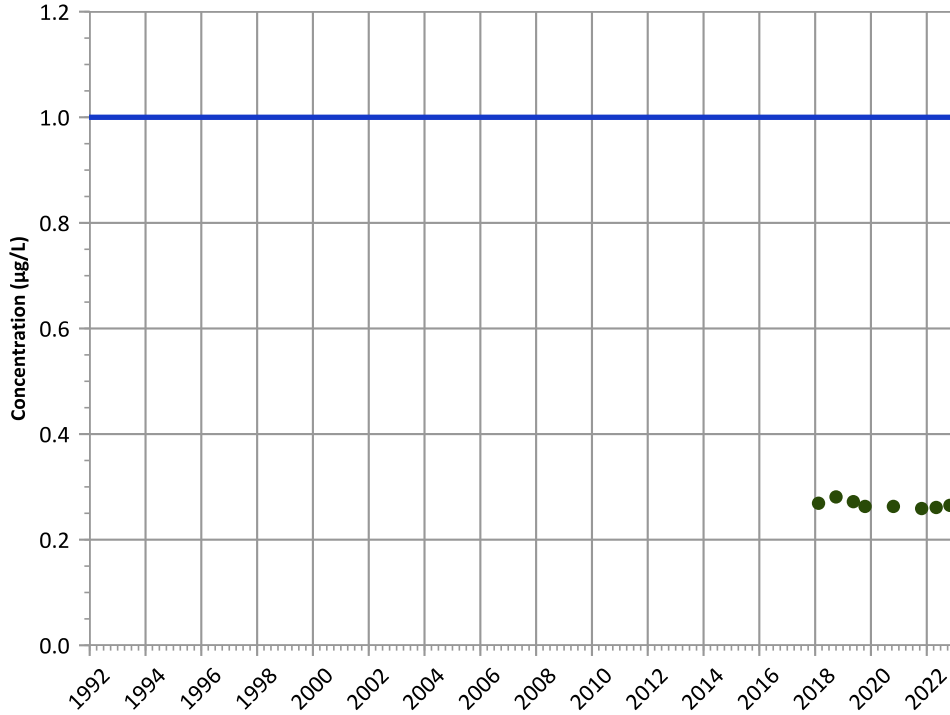
Well Location





PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

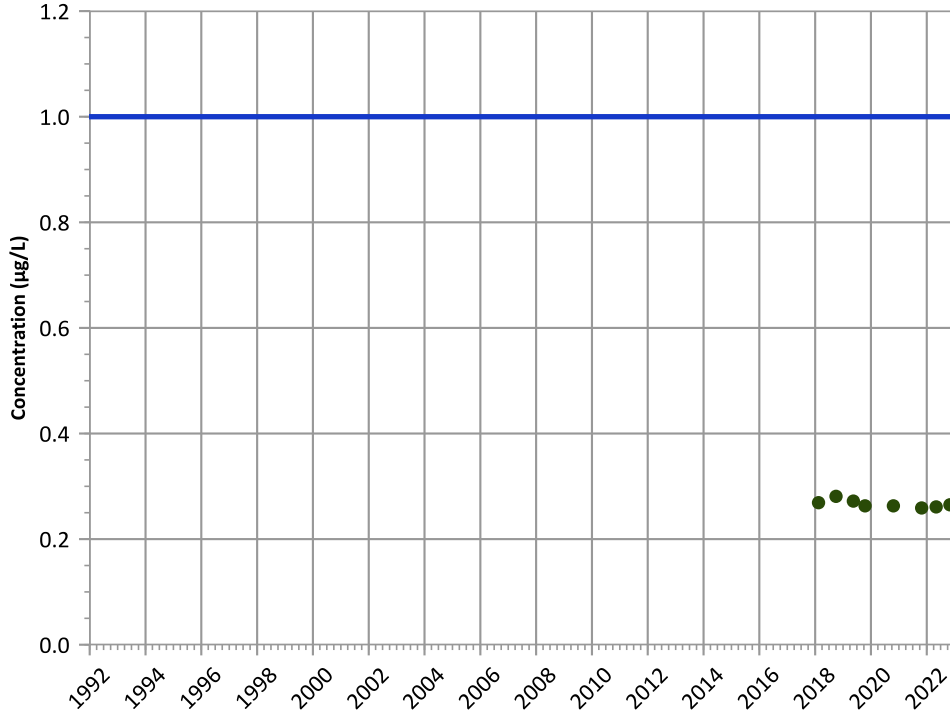
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

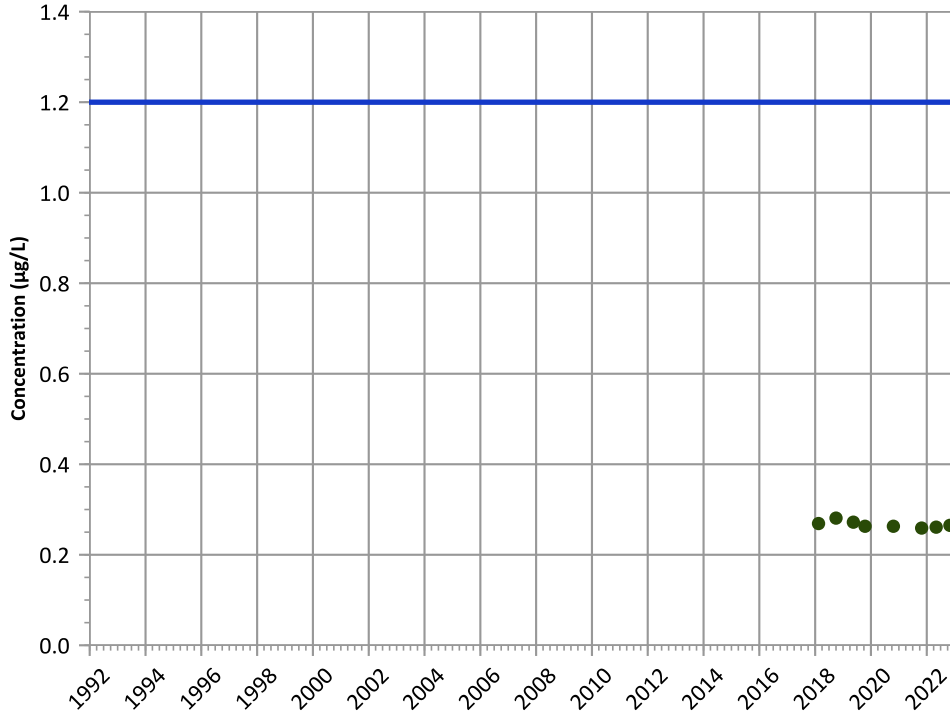


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

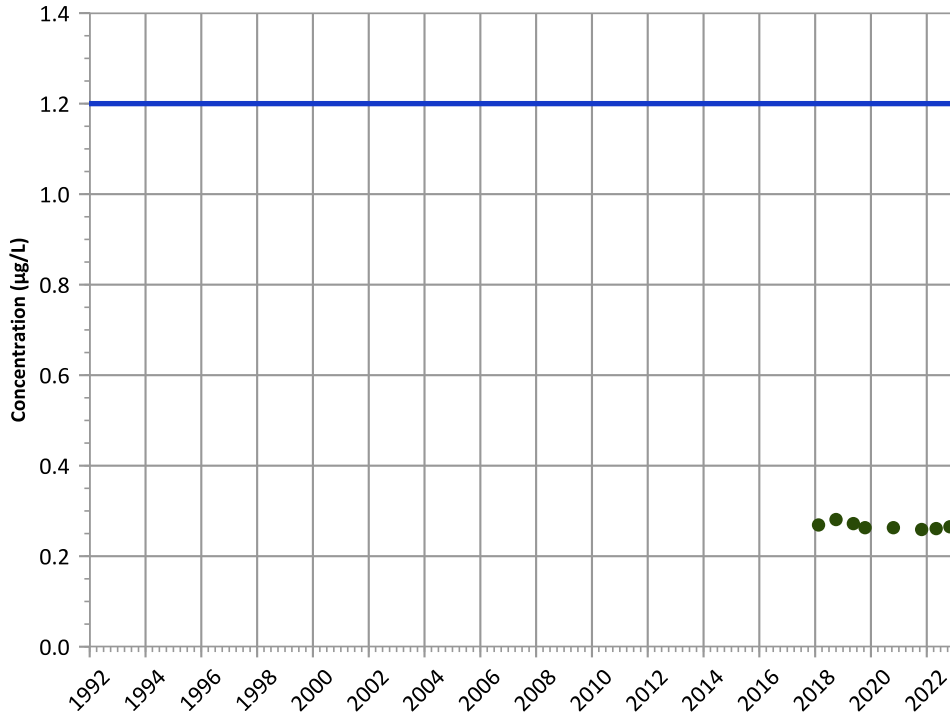
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

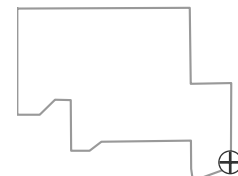
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

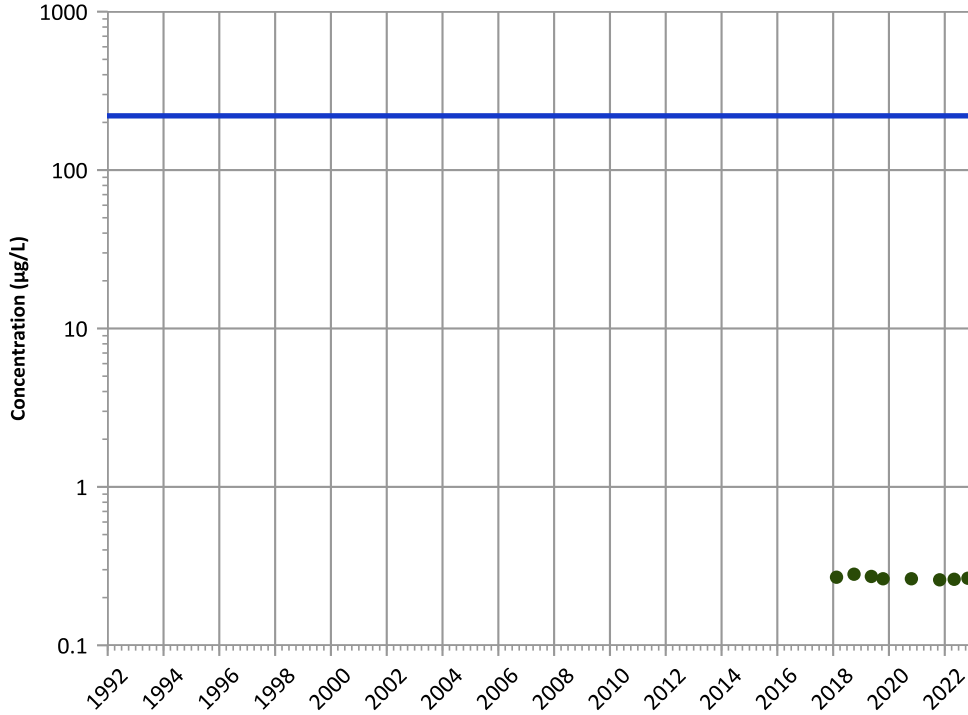


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

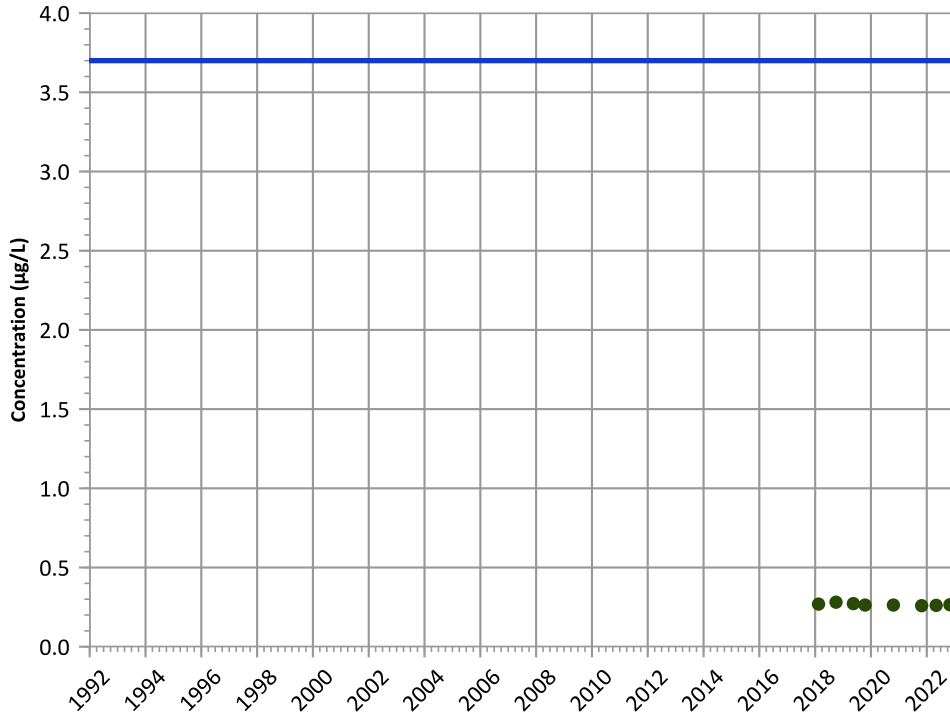
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

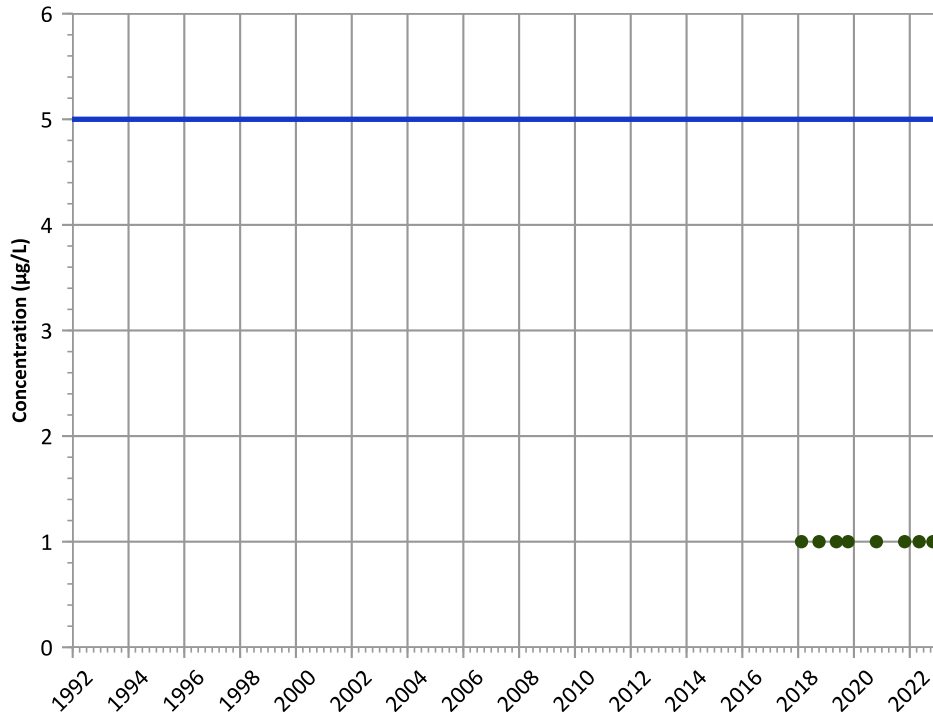
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

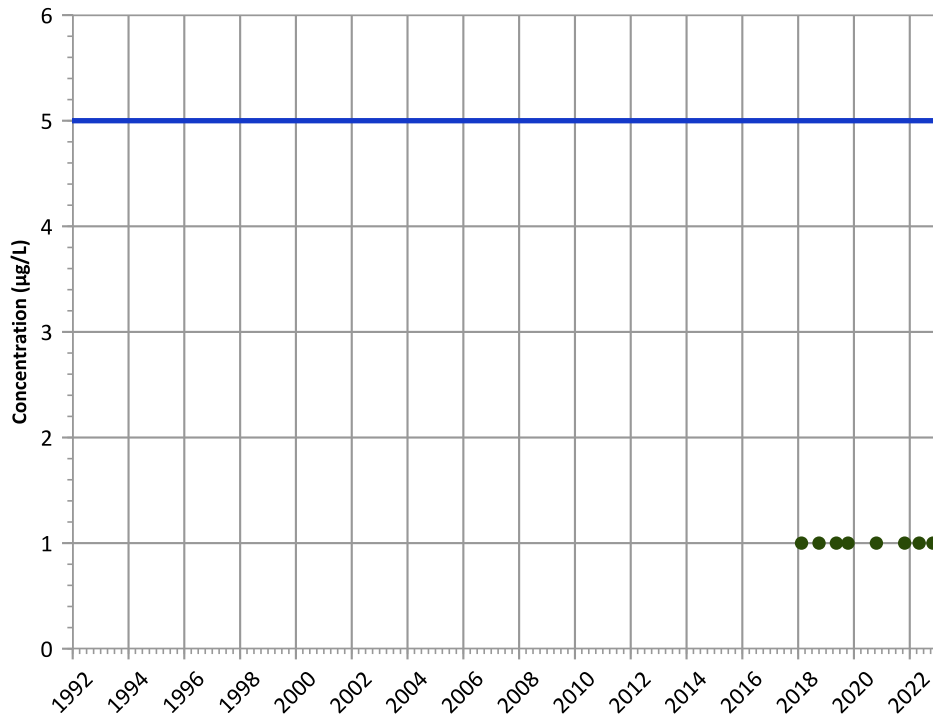
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

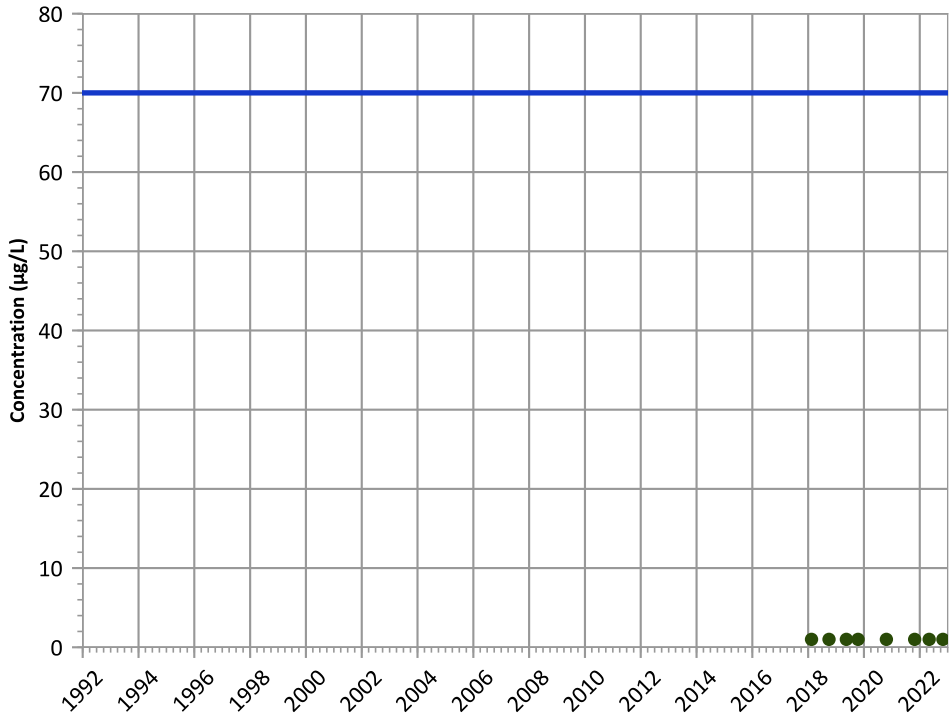
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

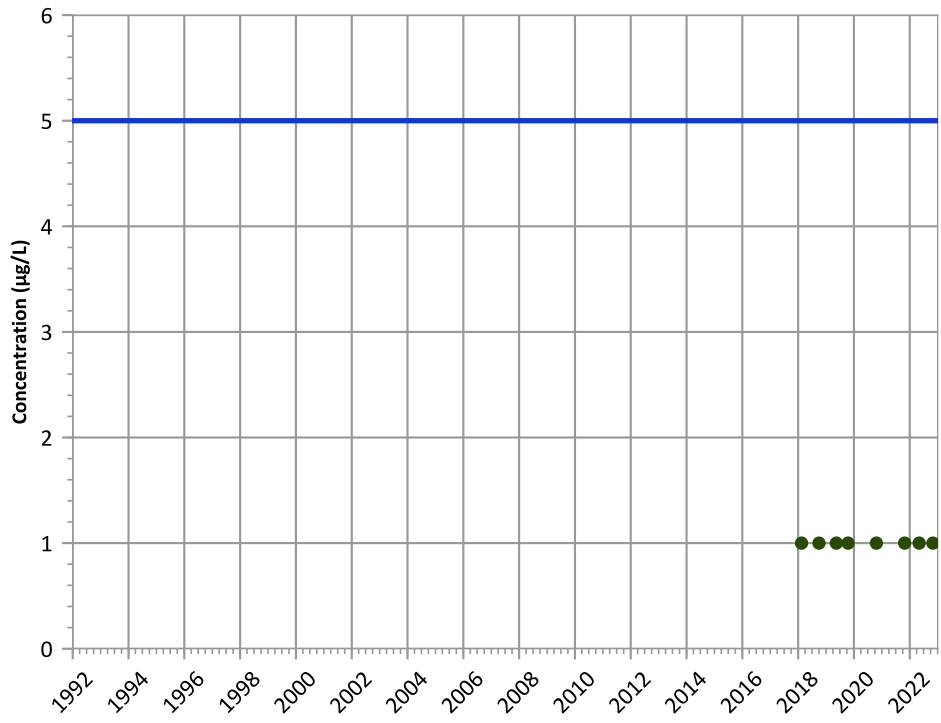
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

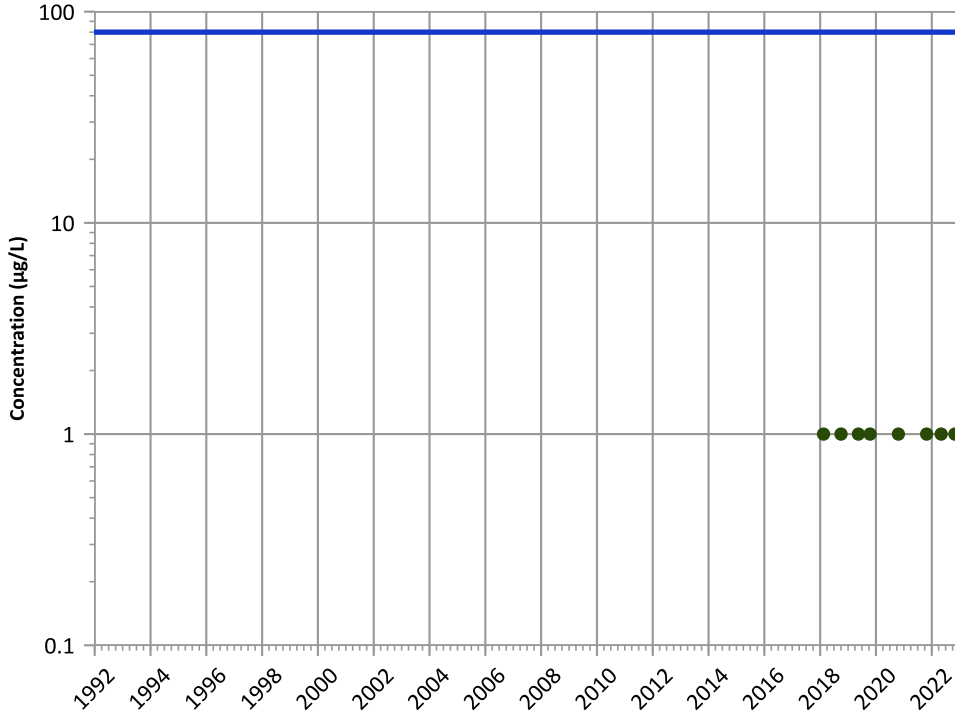
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

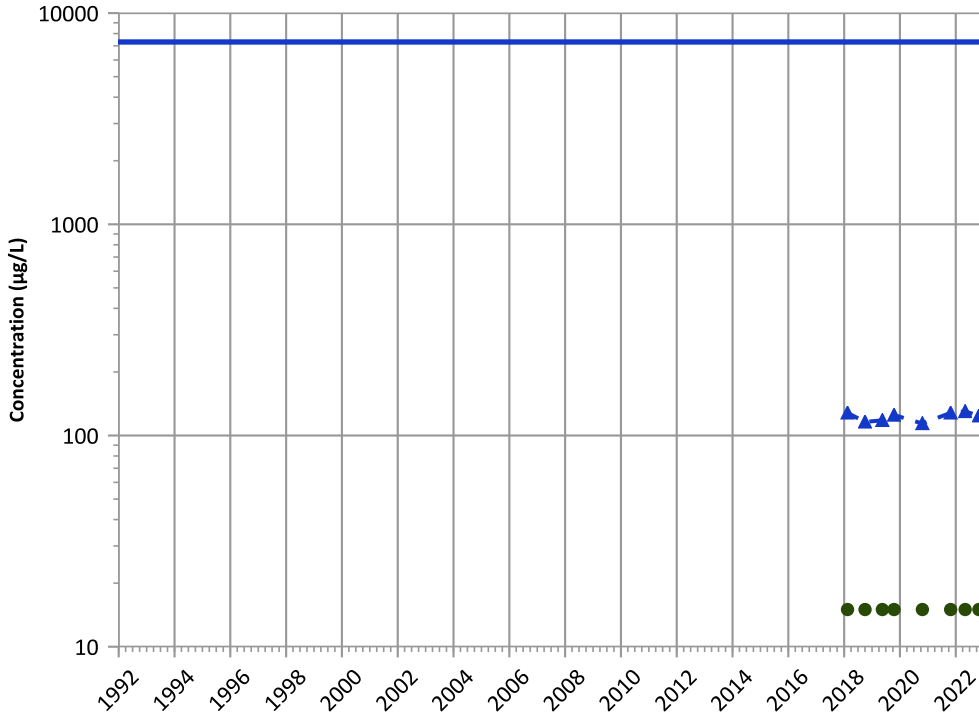


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

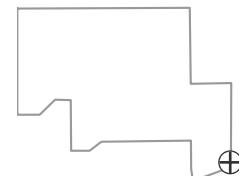
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

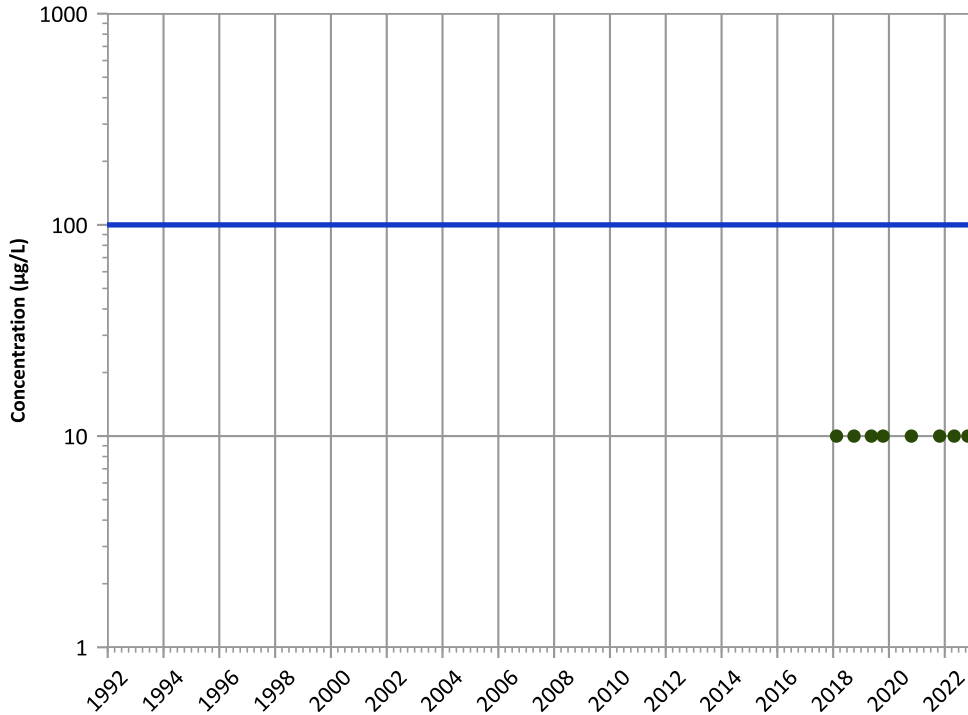
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

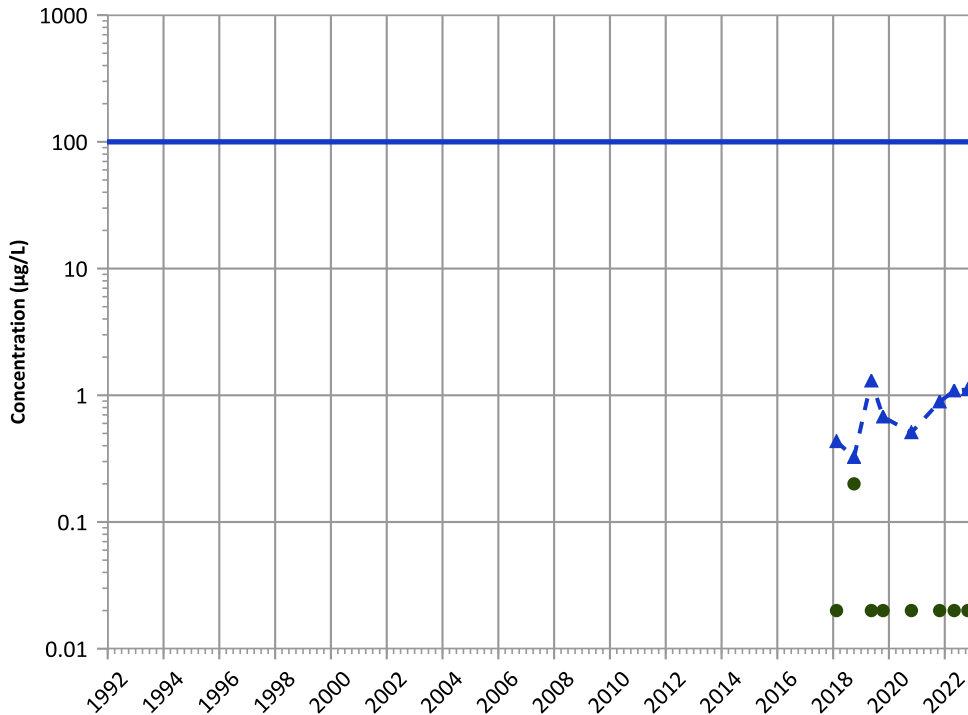


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Chromium, Hexavalent Trend

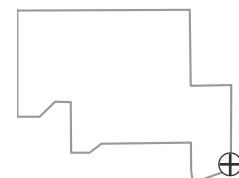


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Well Location

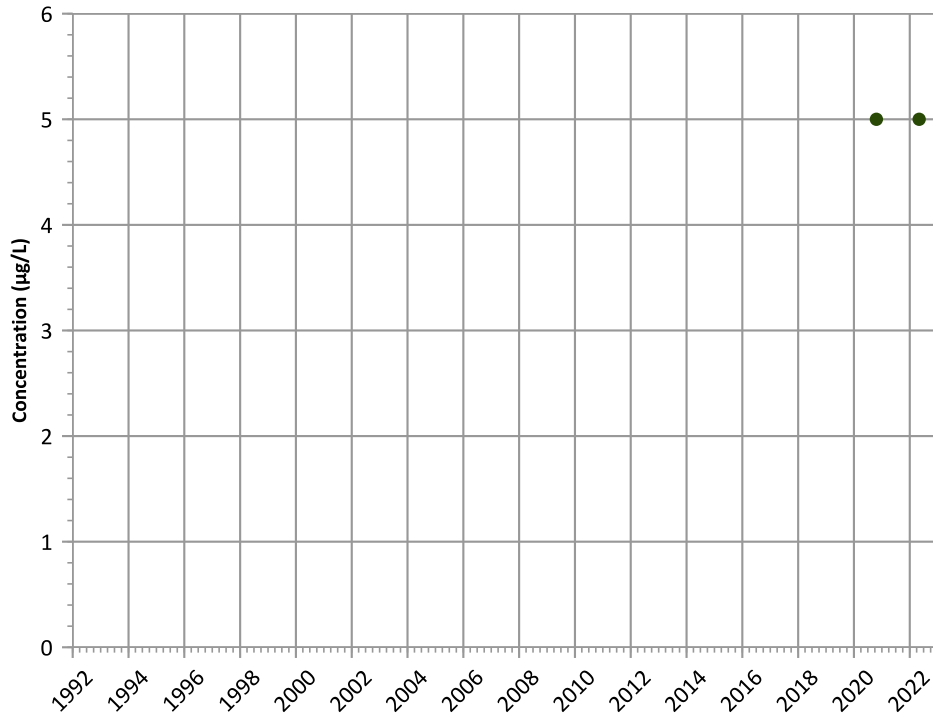


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

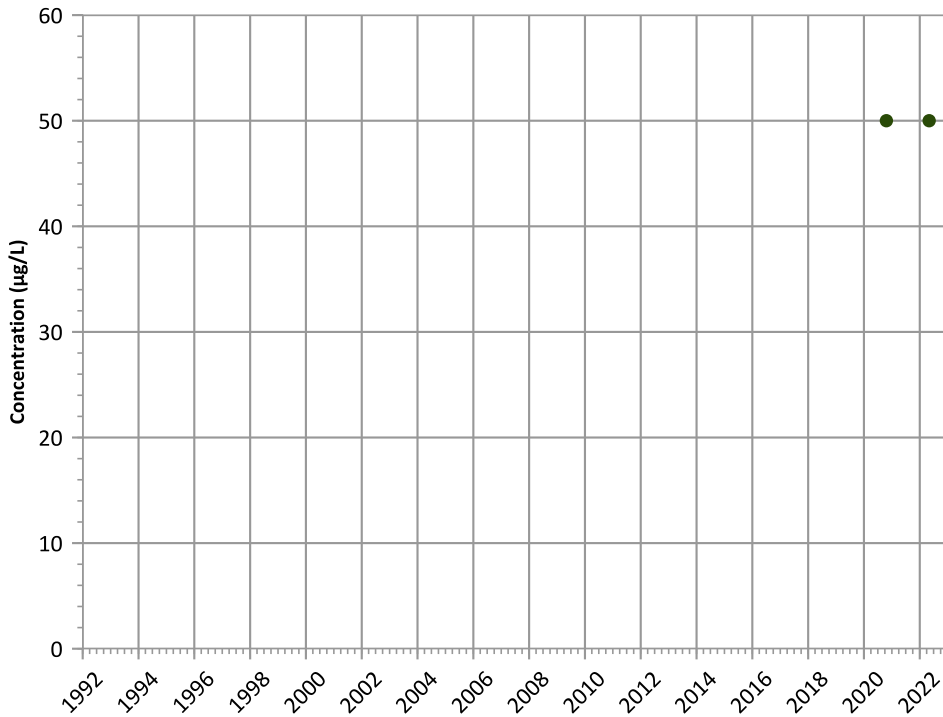


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location



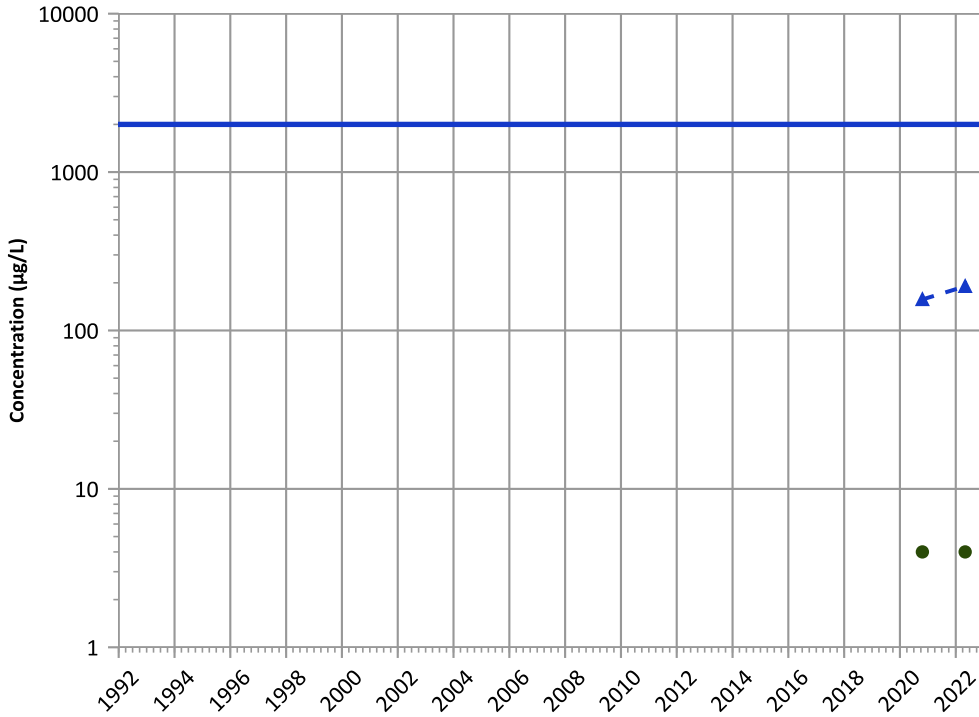
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

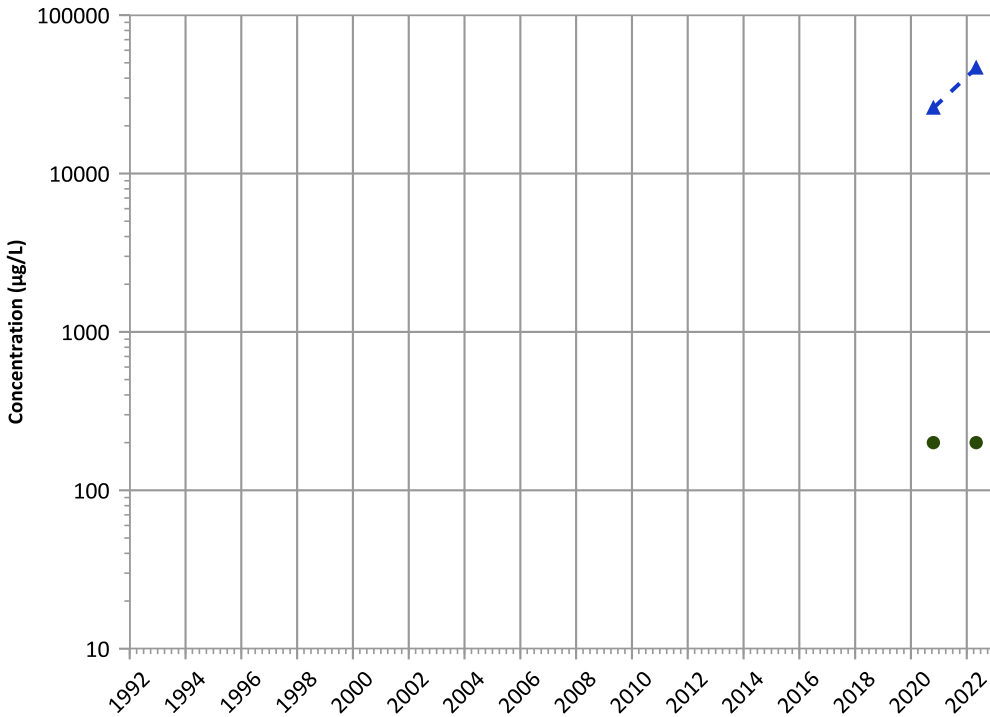


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

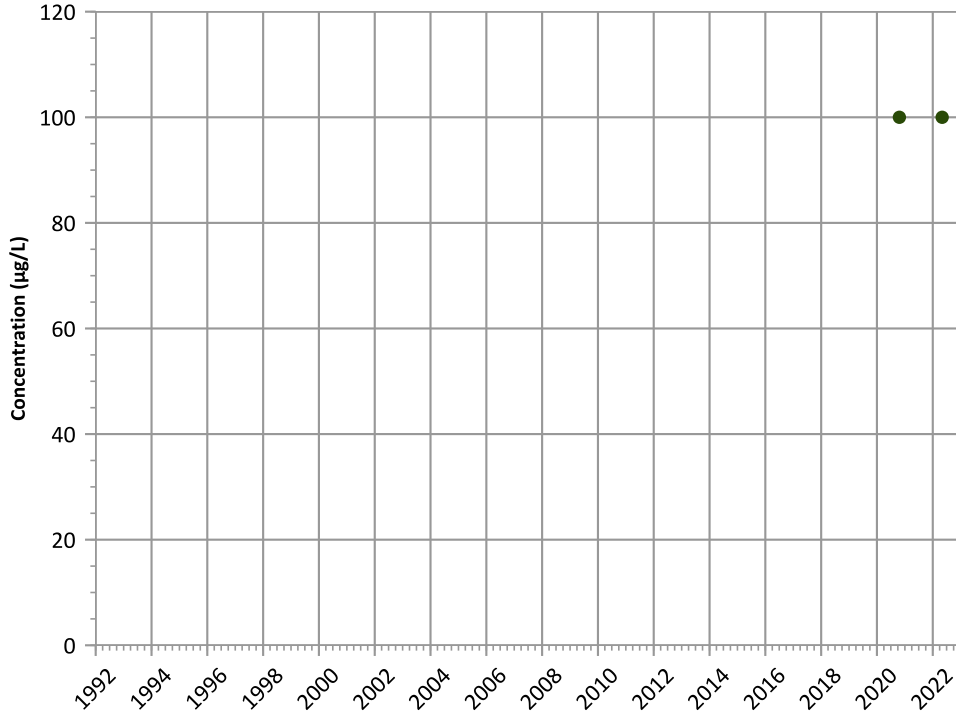


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

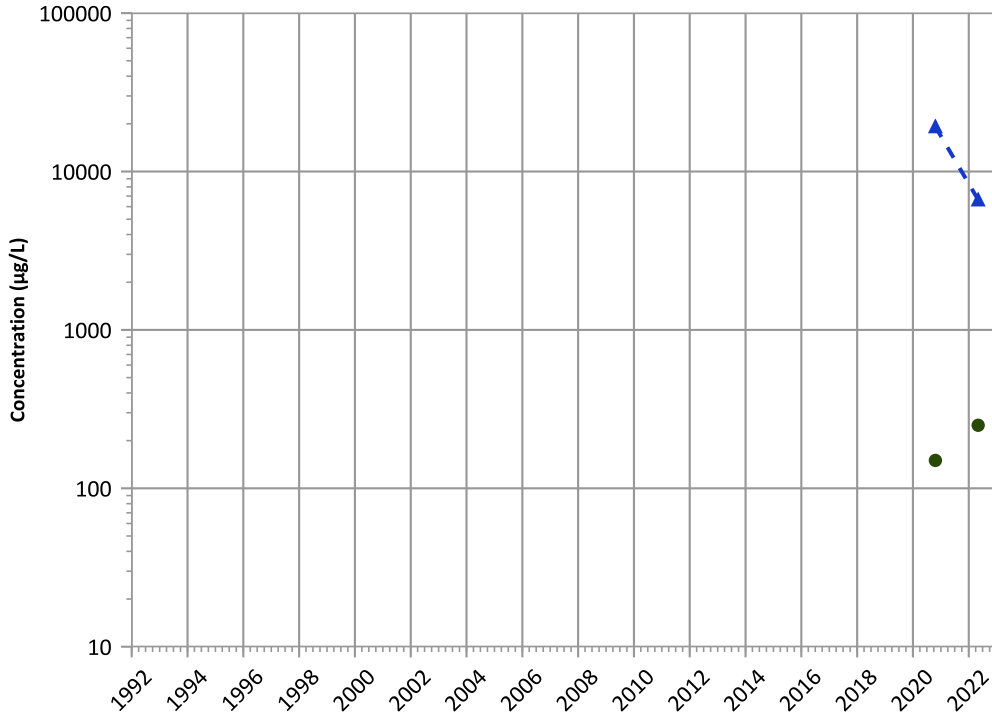


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Potassium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

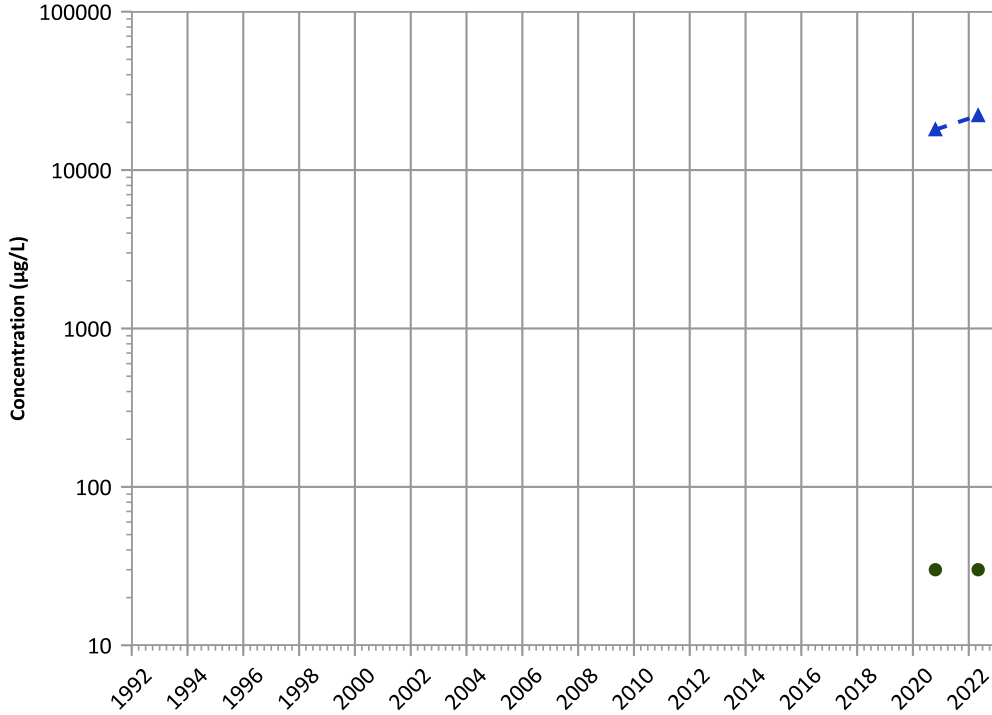


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

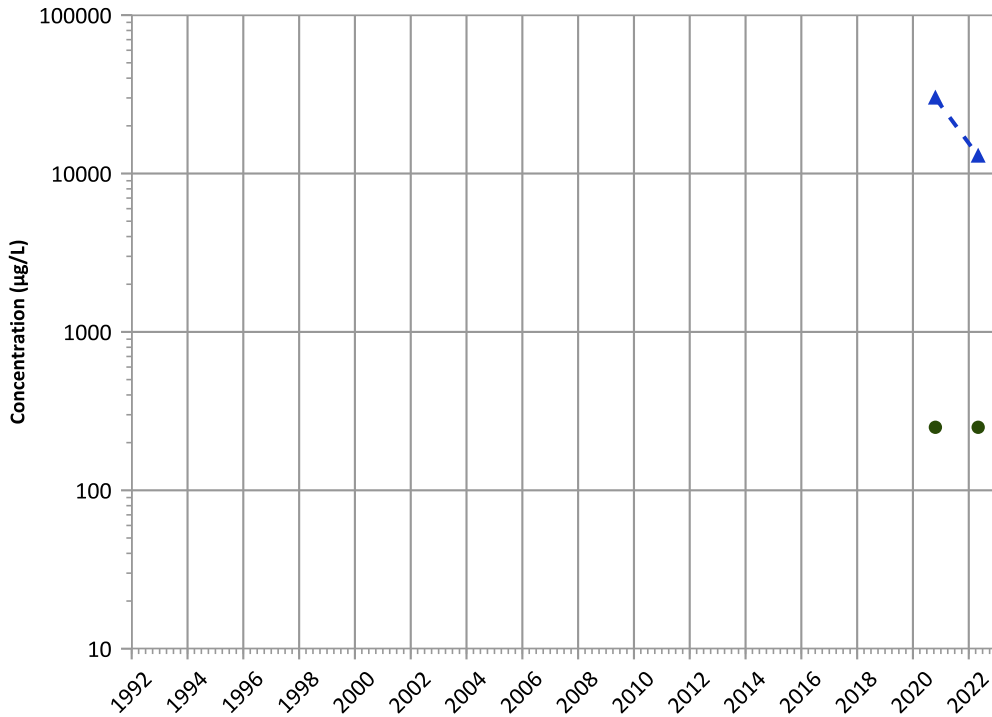


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

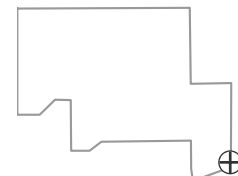


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

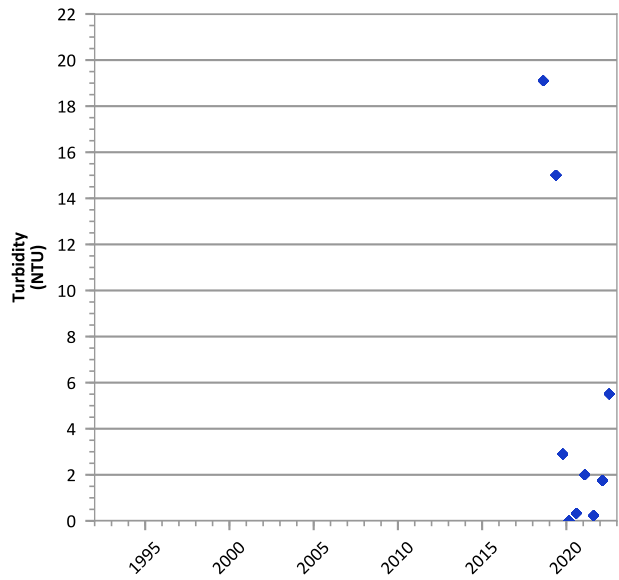
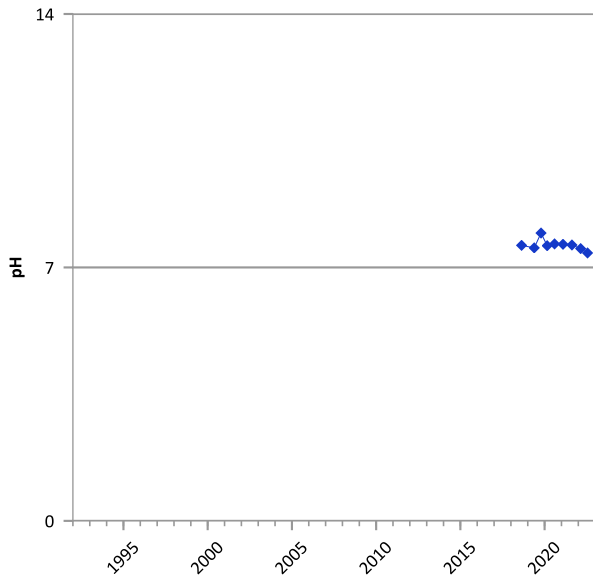
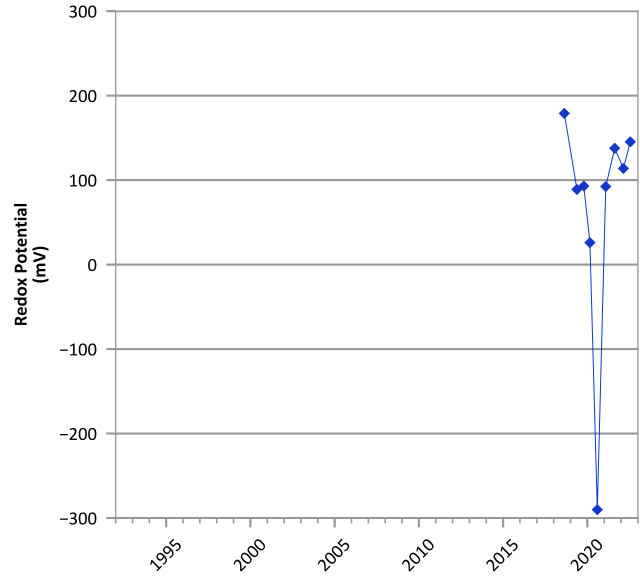
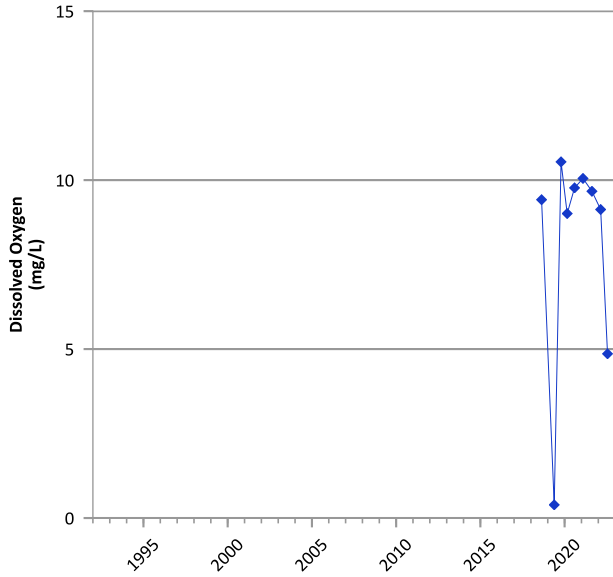
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/14/2018 to 10/31/2022  
Analysis Date: 04/27/2023

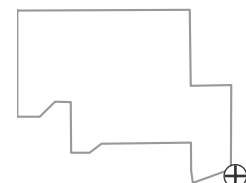
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



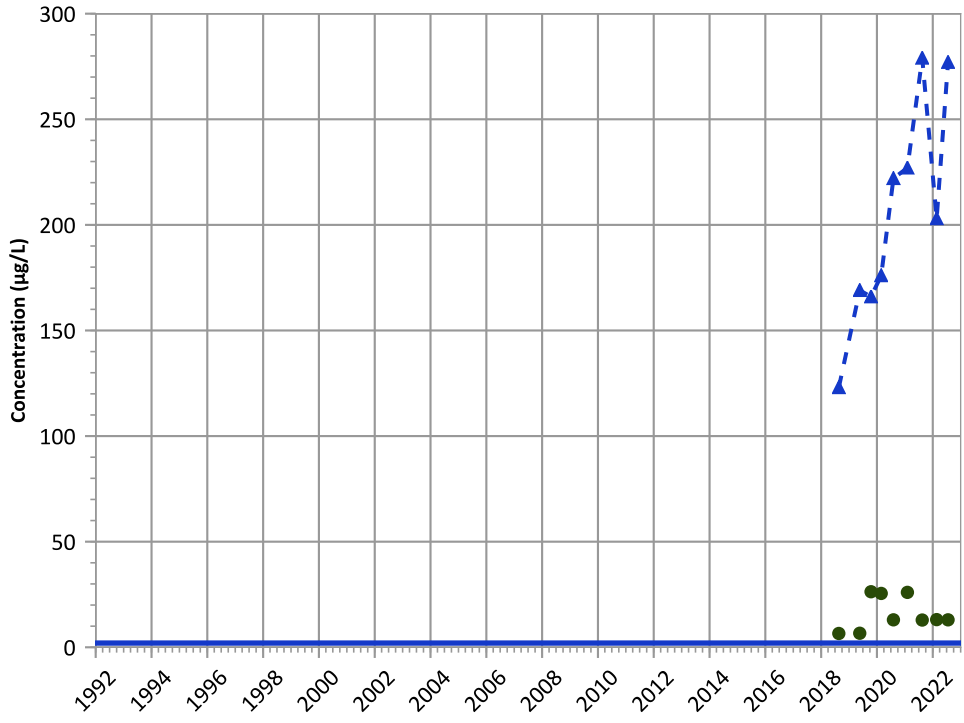
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/20/2018 to 07/20/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

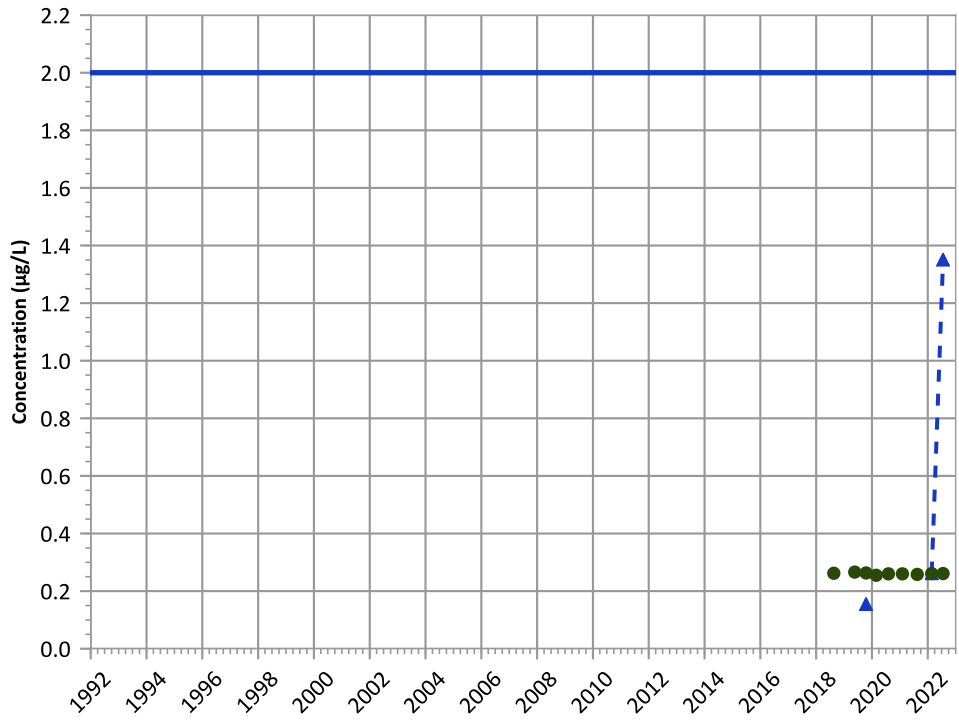


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

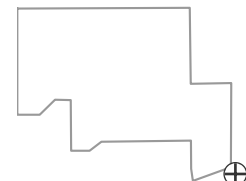


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

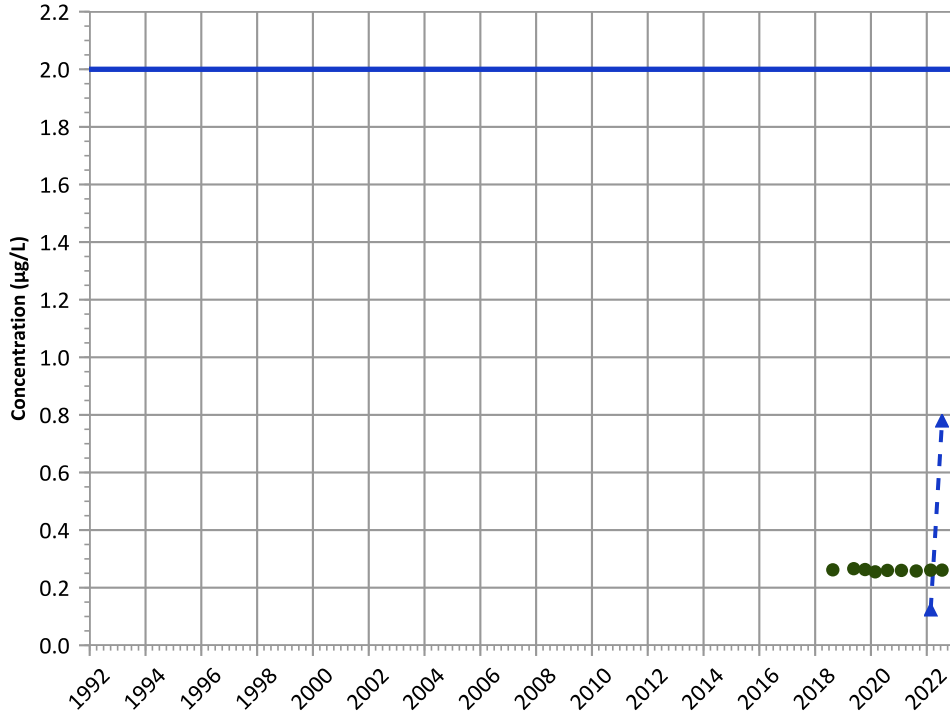


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

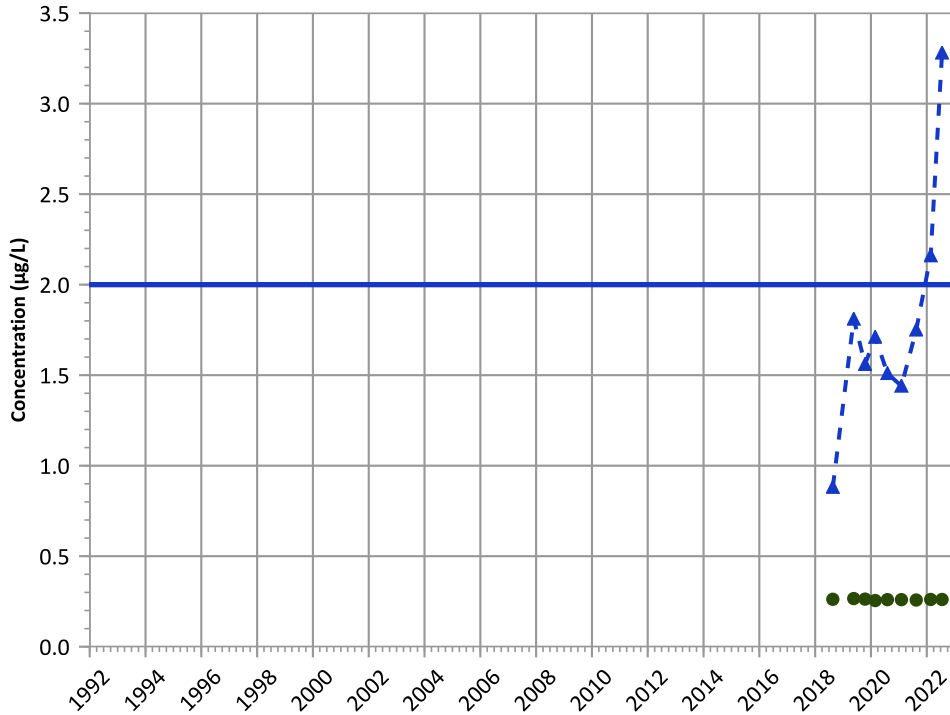


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

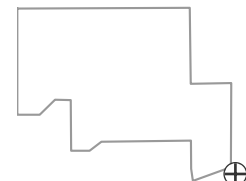


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Well Location

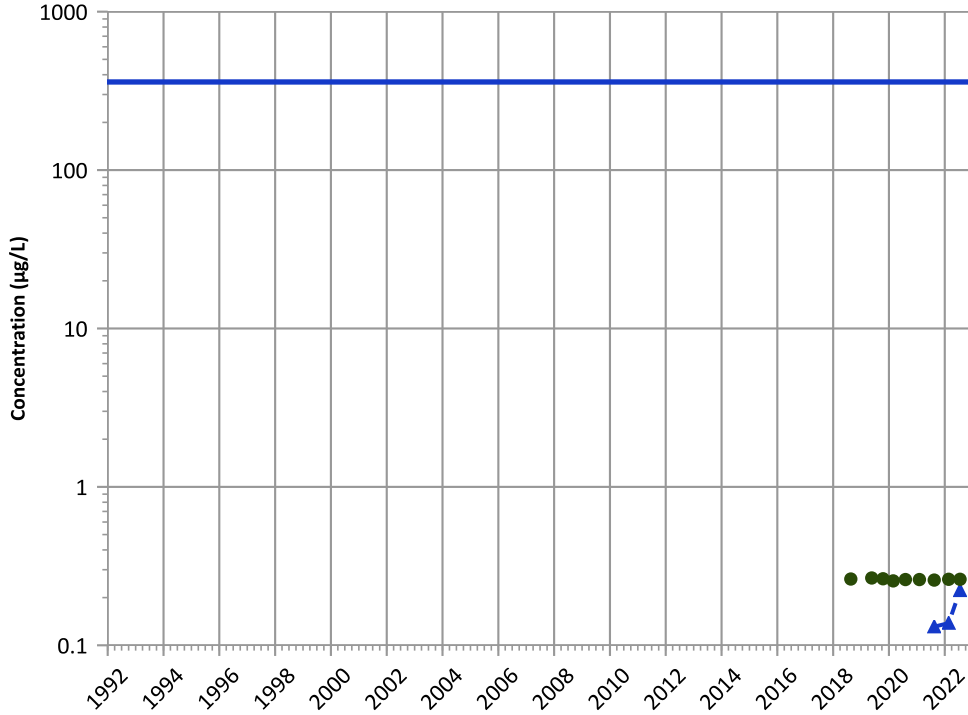


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

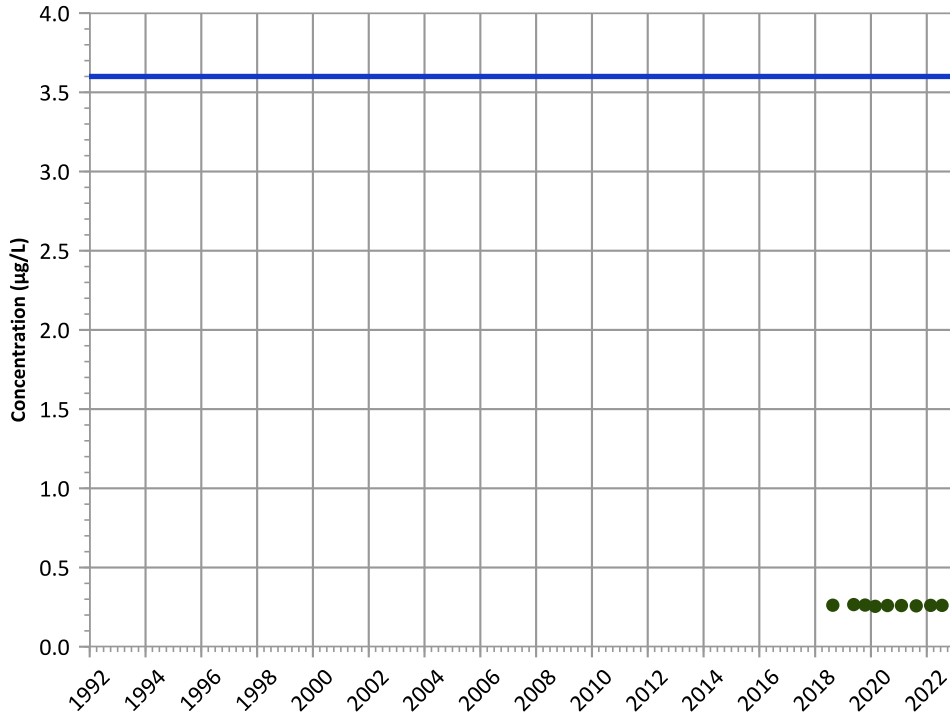


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend

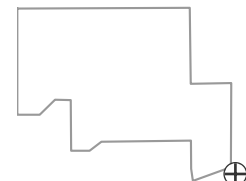


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

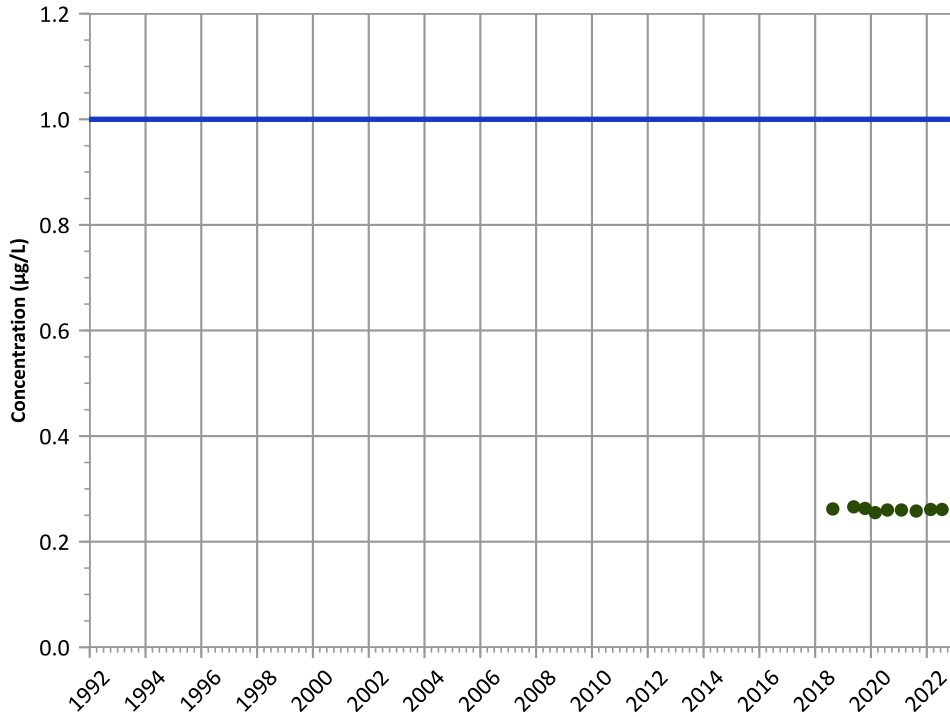
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

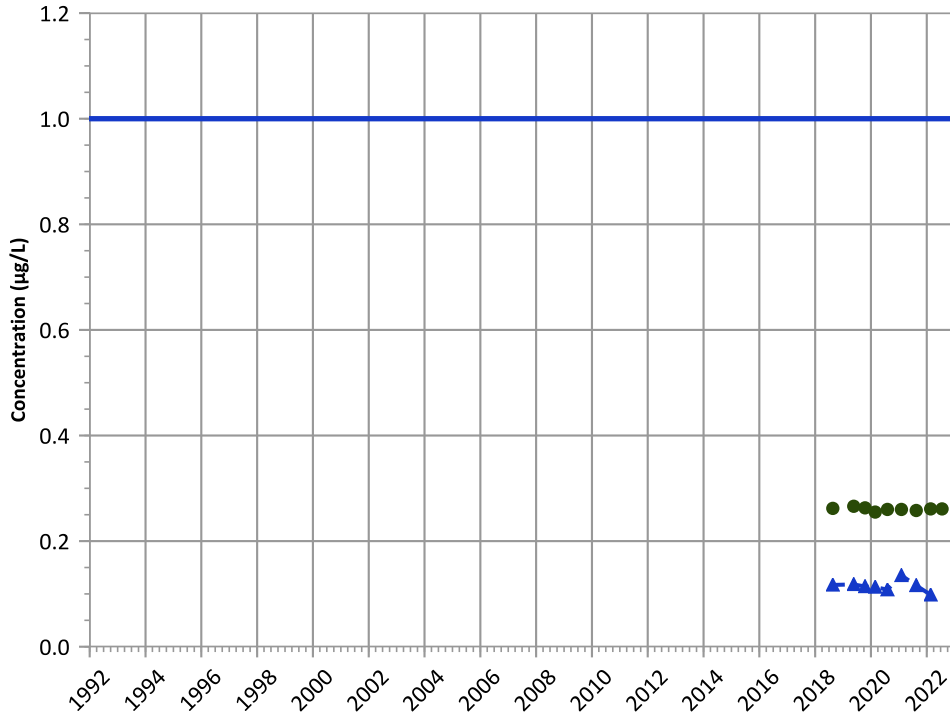
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

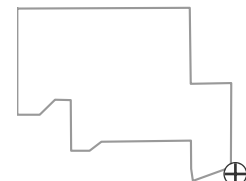
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

**Well Location**



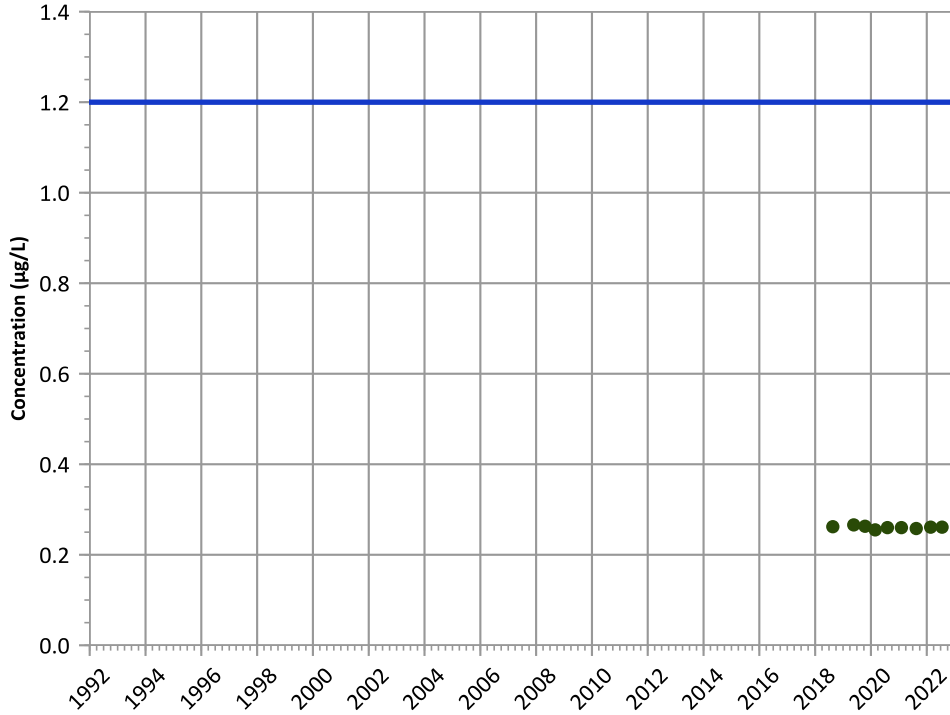
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard



PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

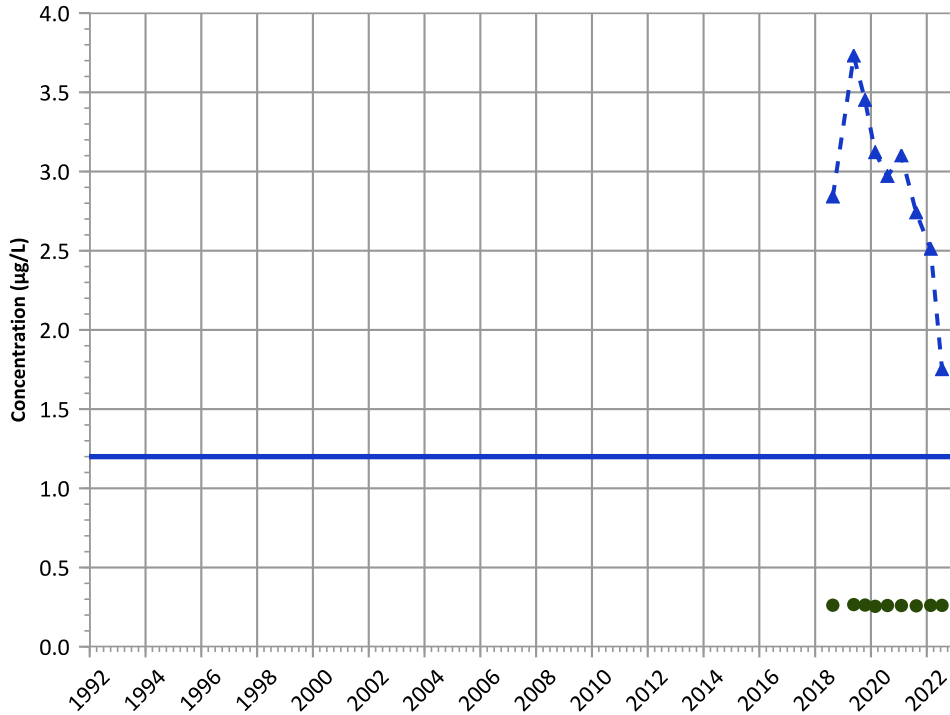
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

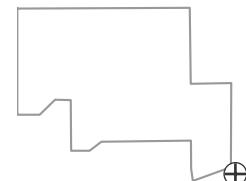
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Well Location

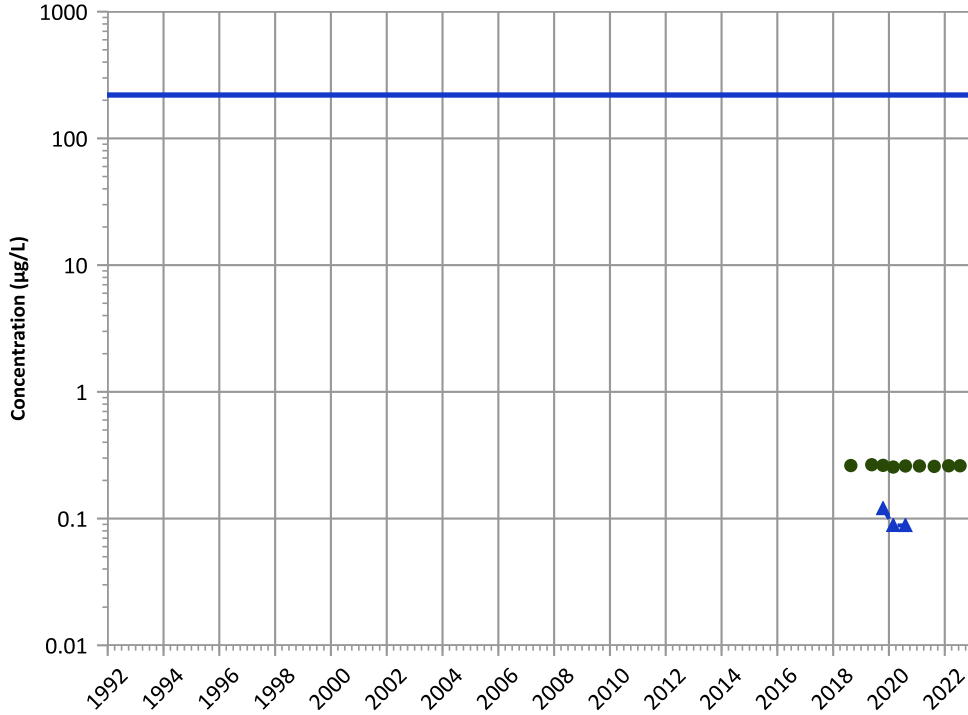


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

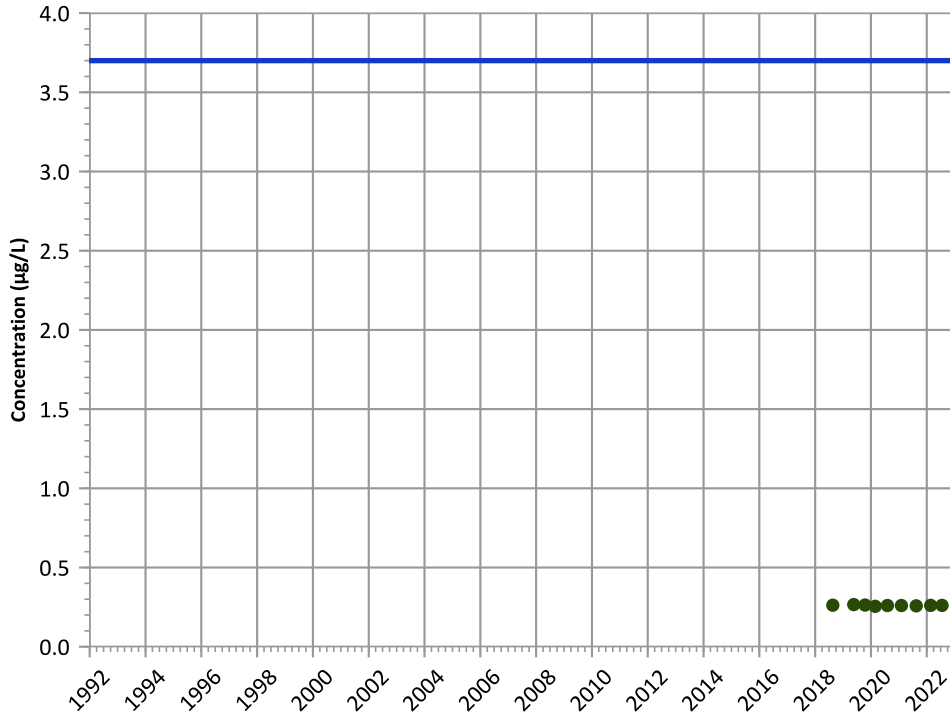


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend

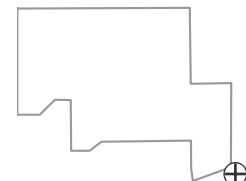


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

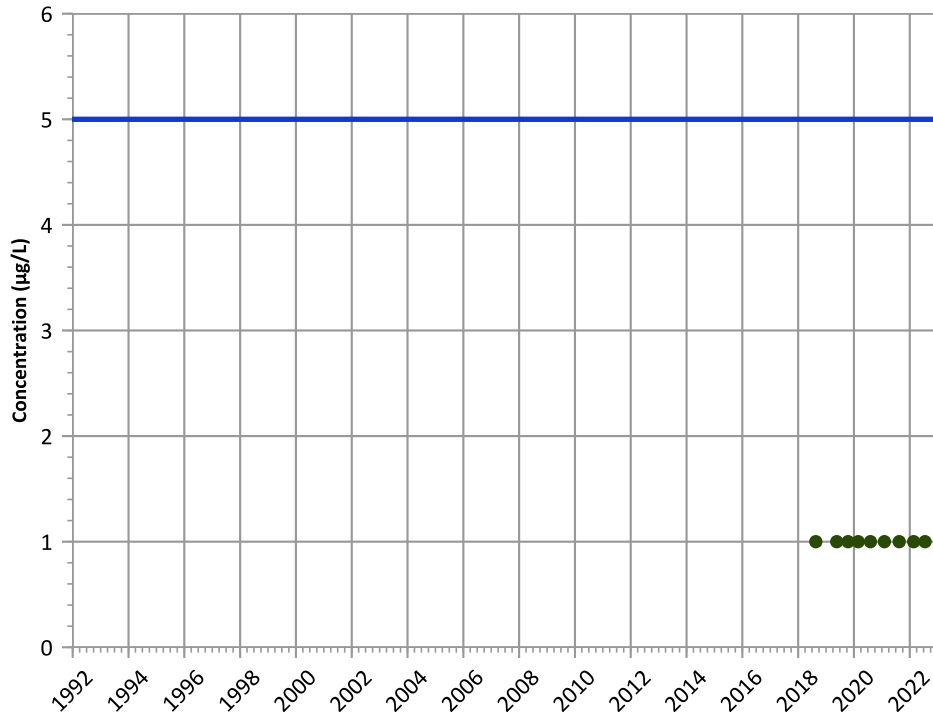
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

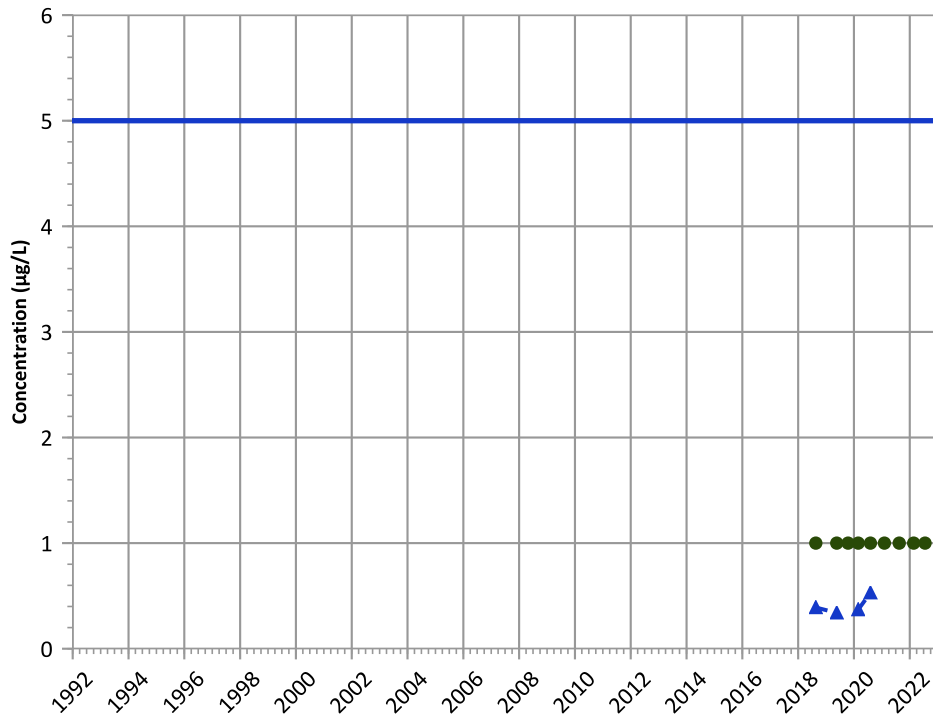
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

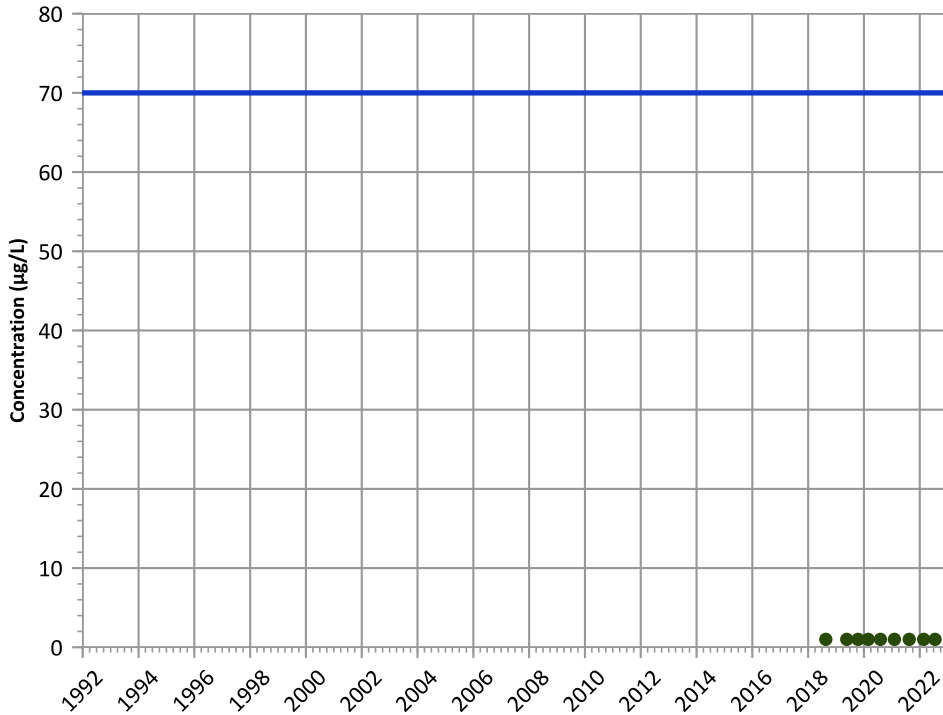
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

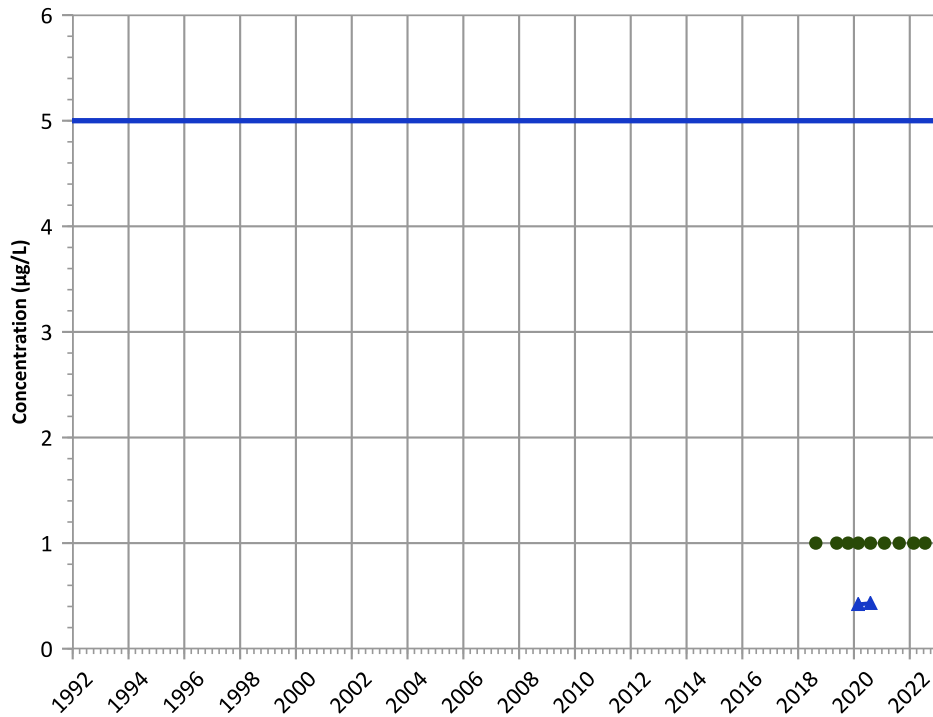


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

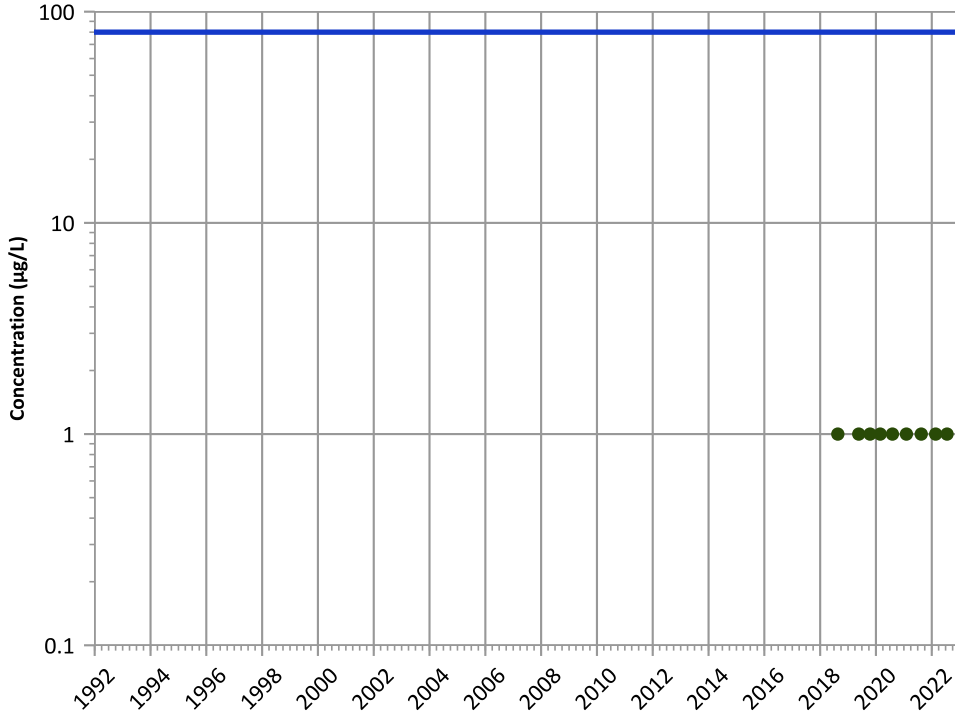
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

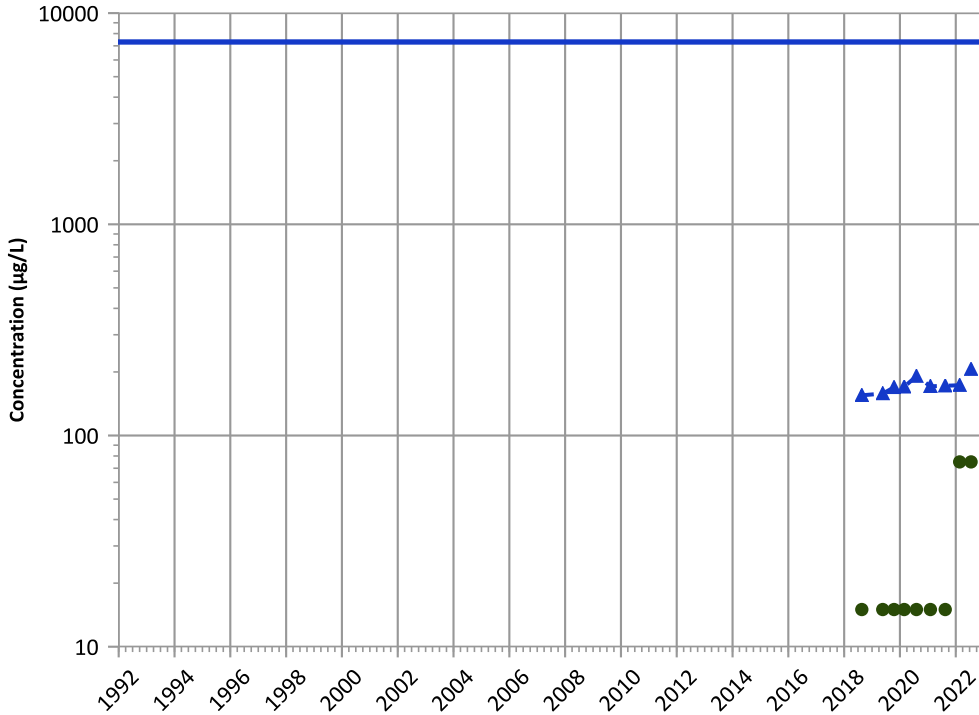


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

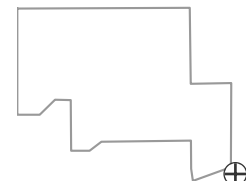
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

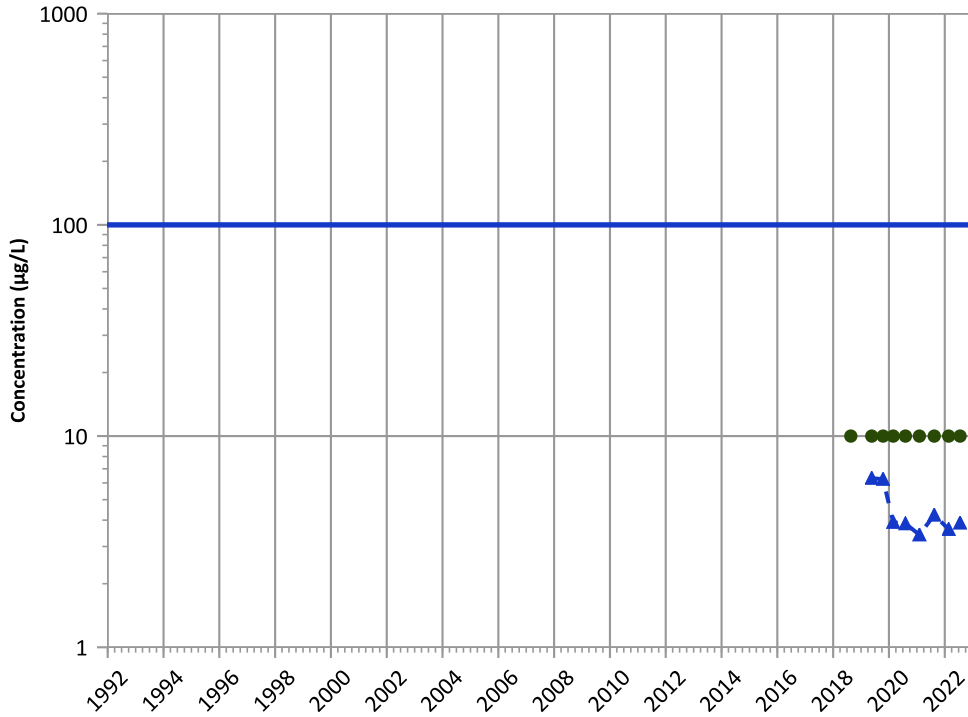
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

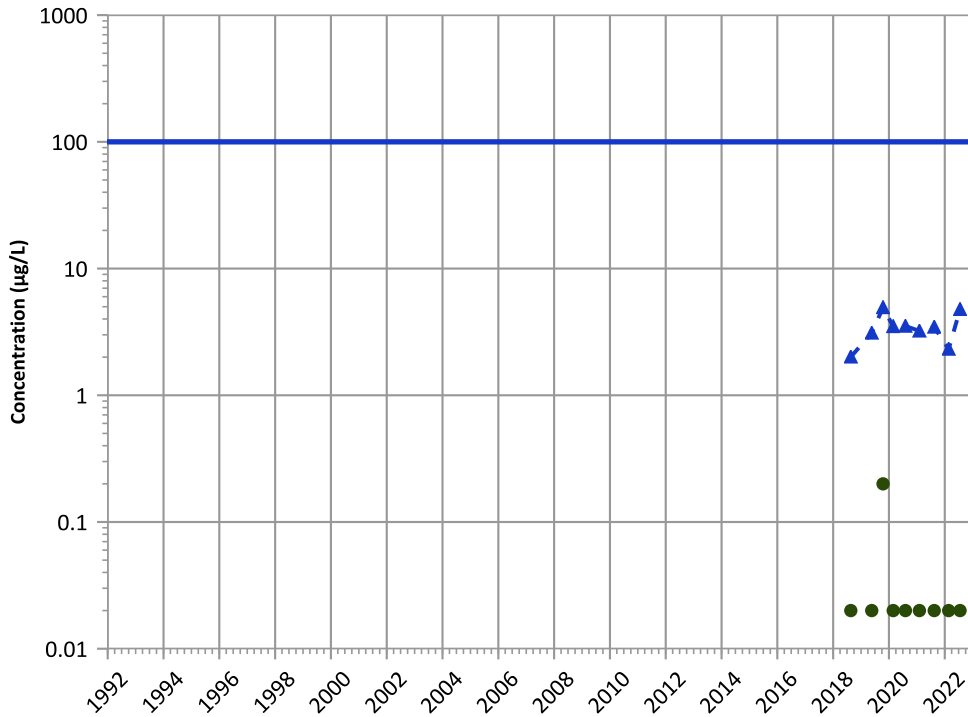


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Chromium, Hexavalent Trend**

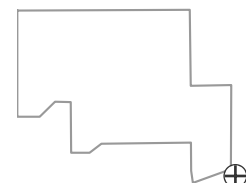


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**Well Location**

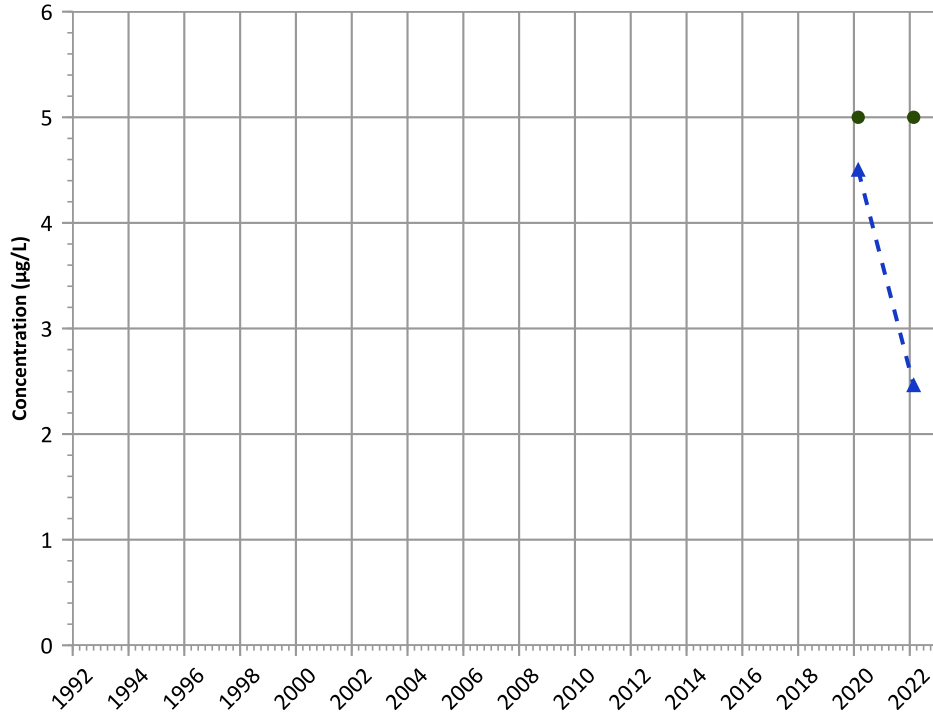


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

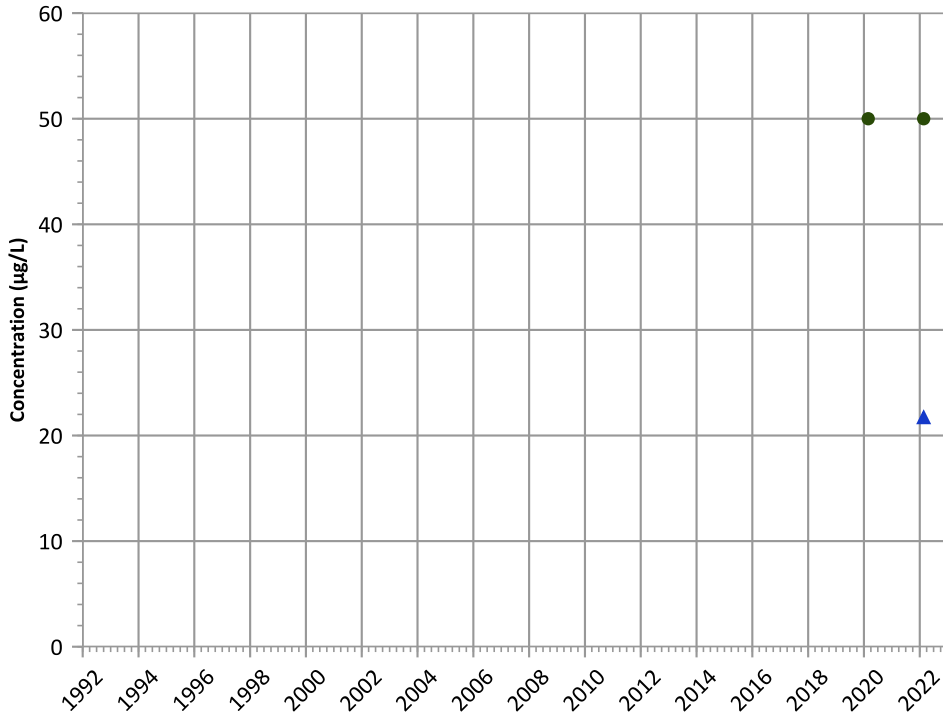


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

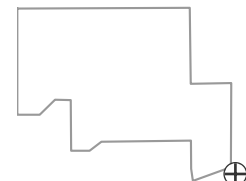


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

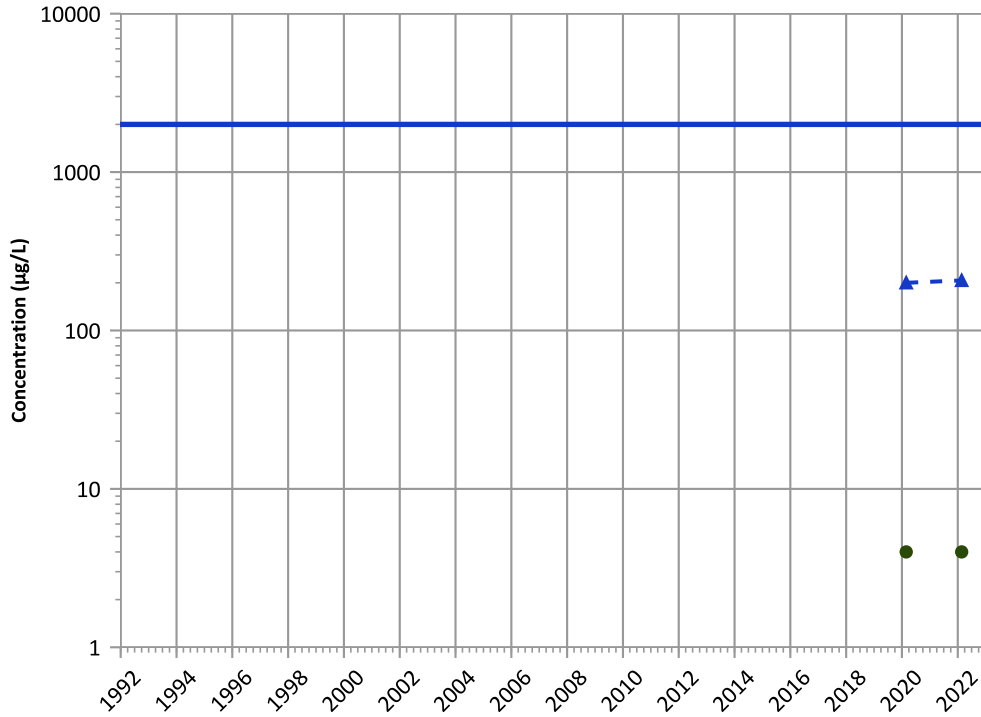


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

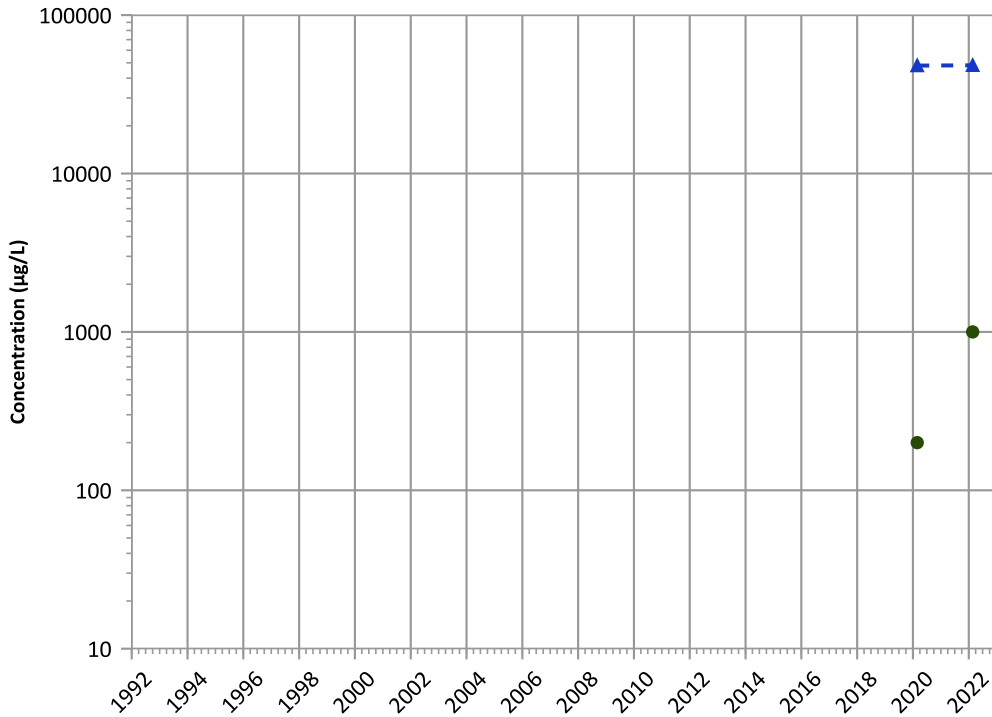


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend

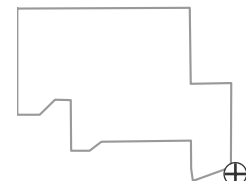


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location



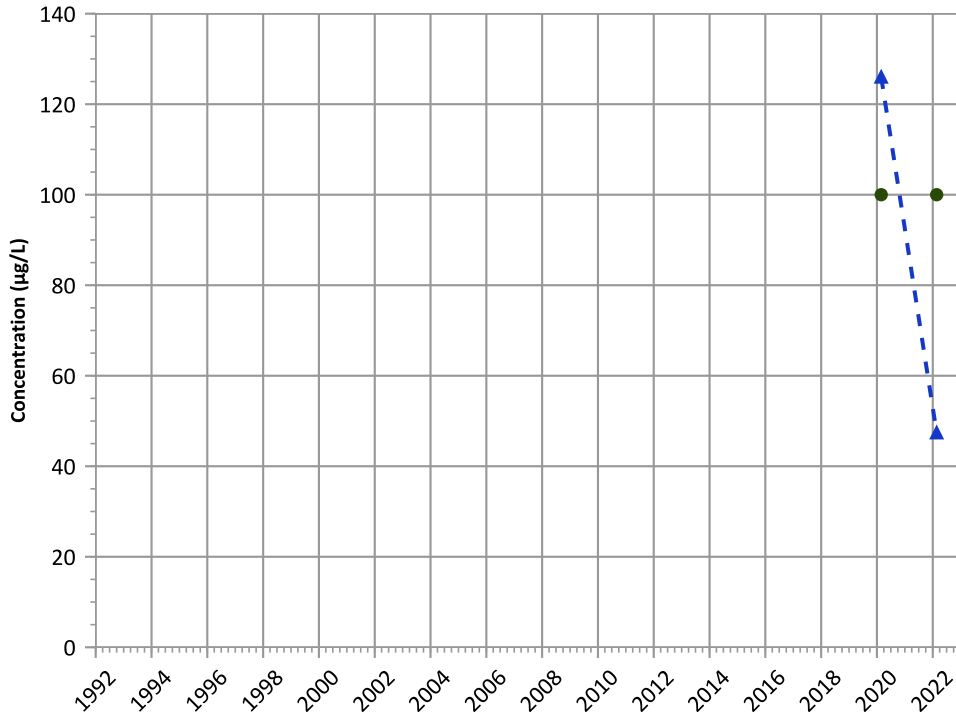
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

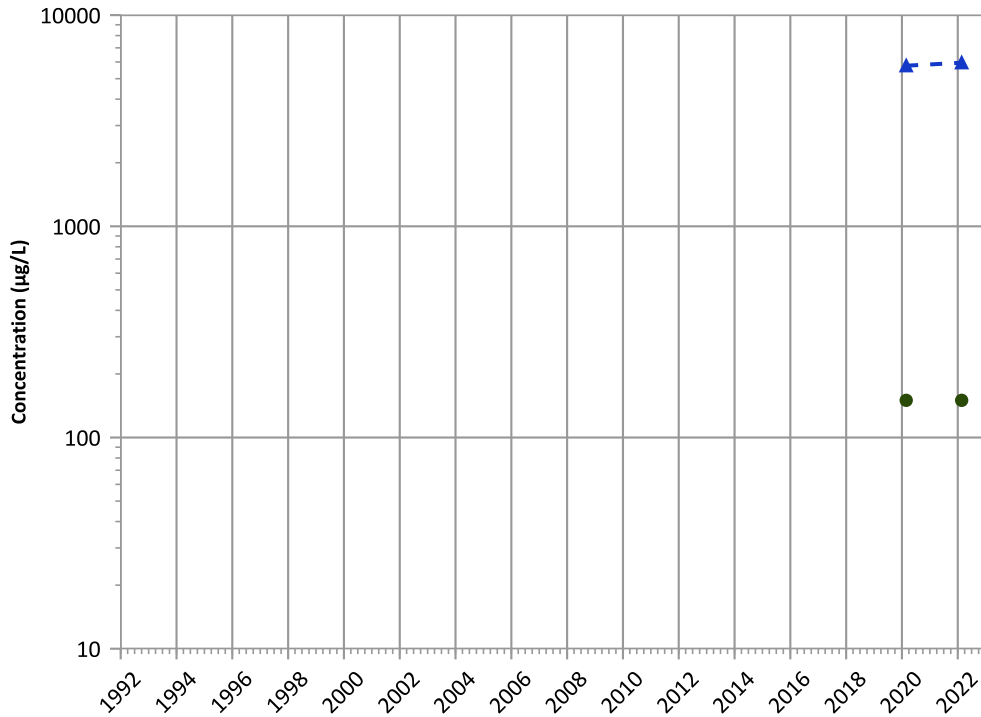


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

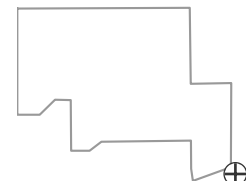


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

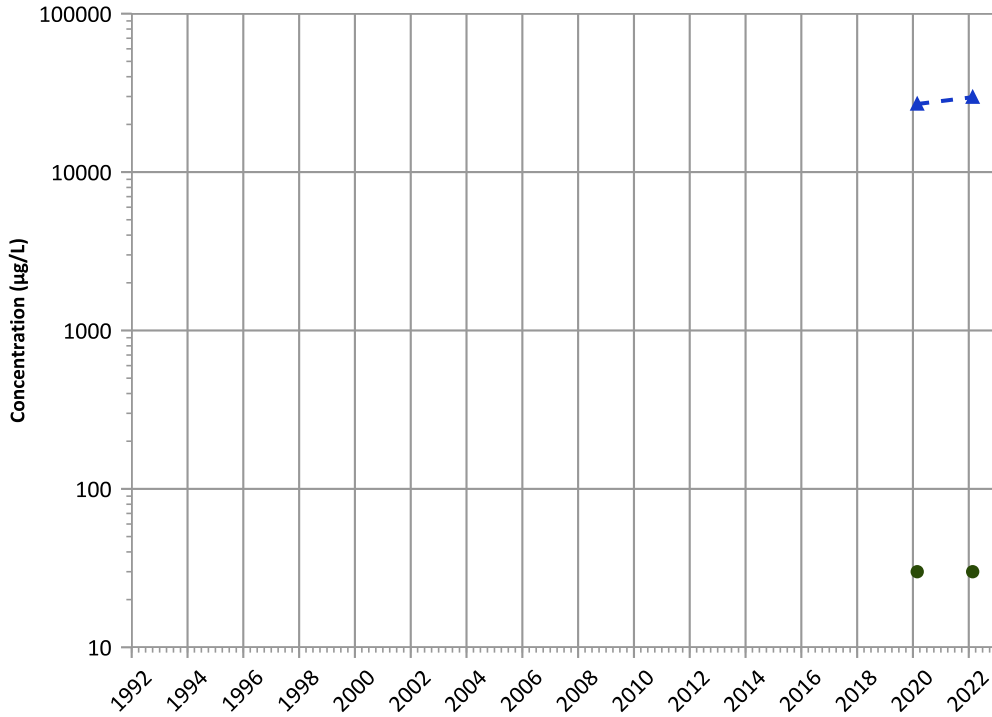


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

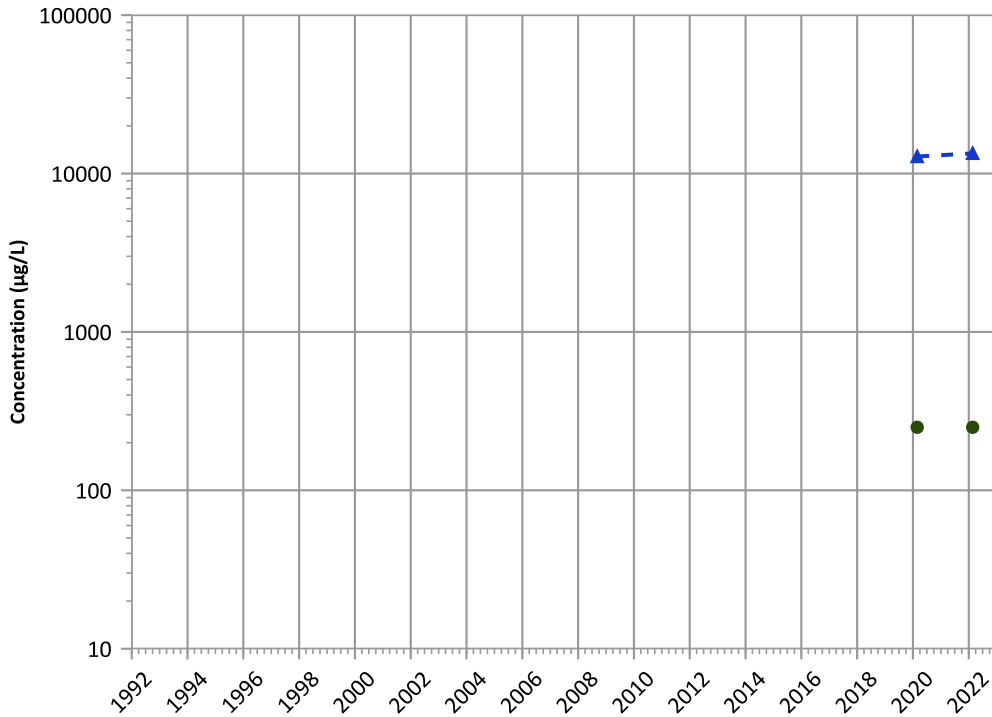


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

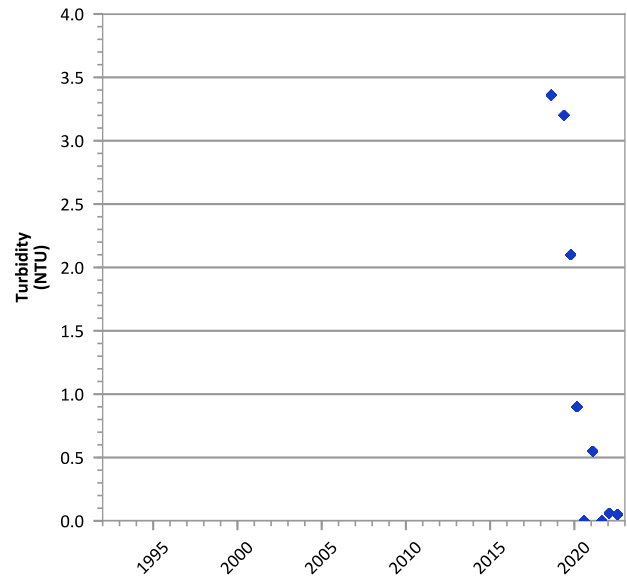
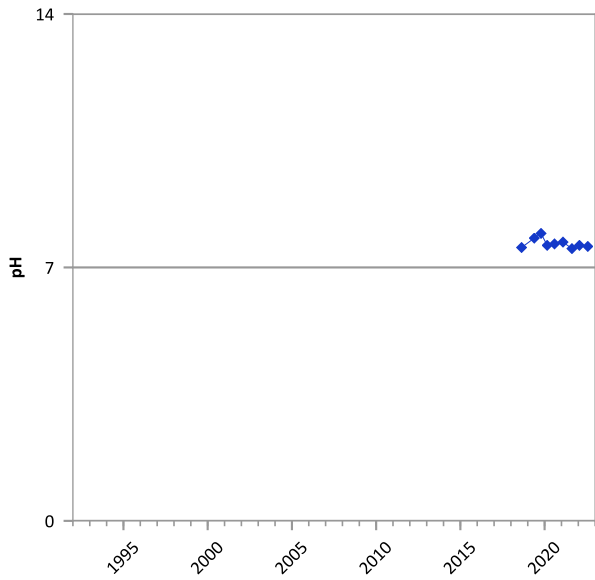
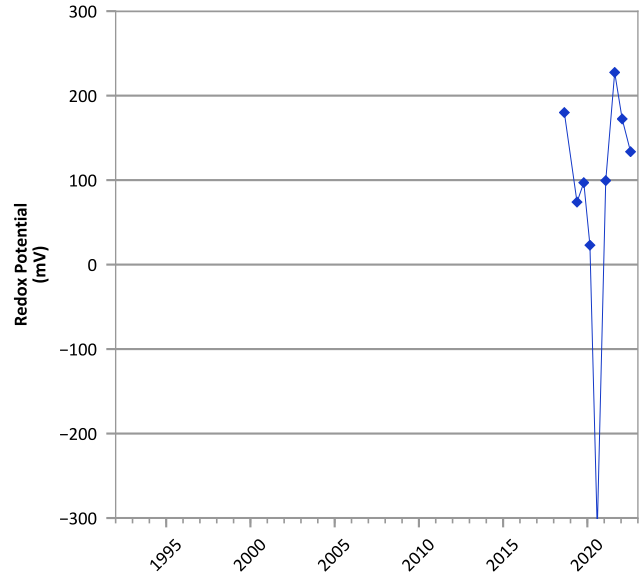
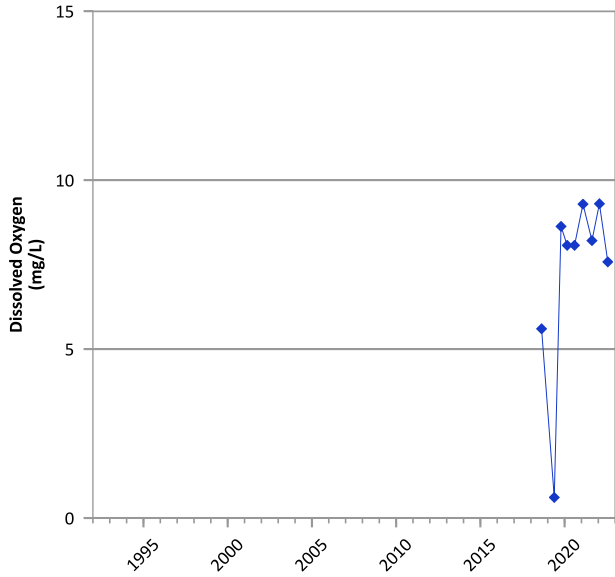
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/20/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



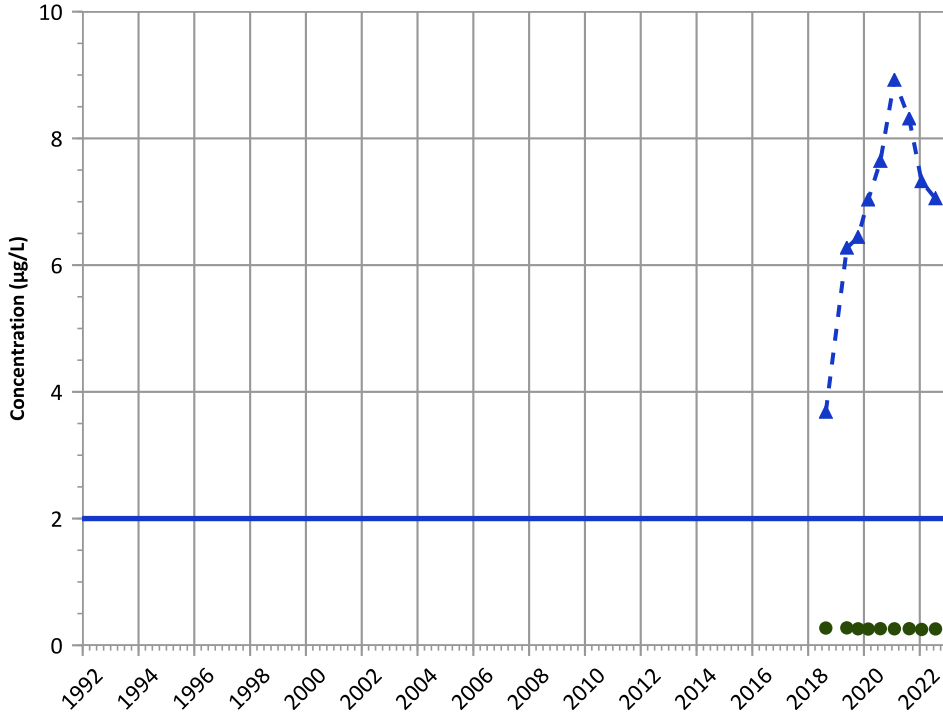
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/20/2018 to 07/26/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

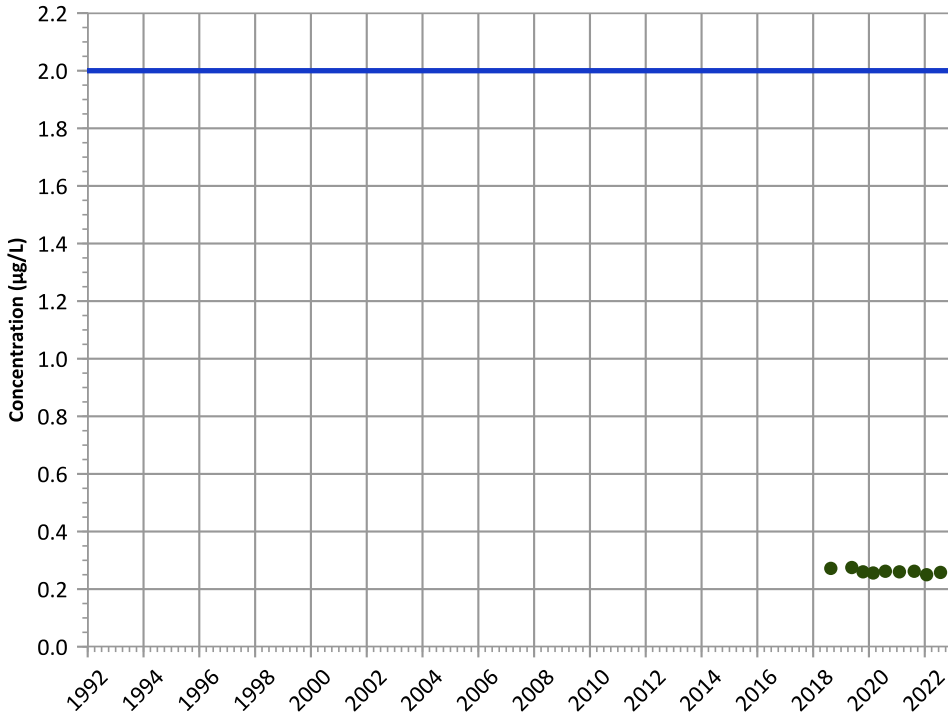
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

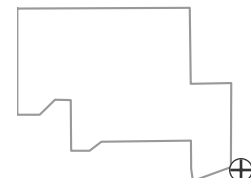
2020 - 2022 Data:

All Non-Detect

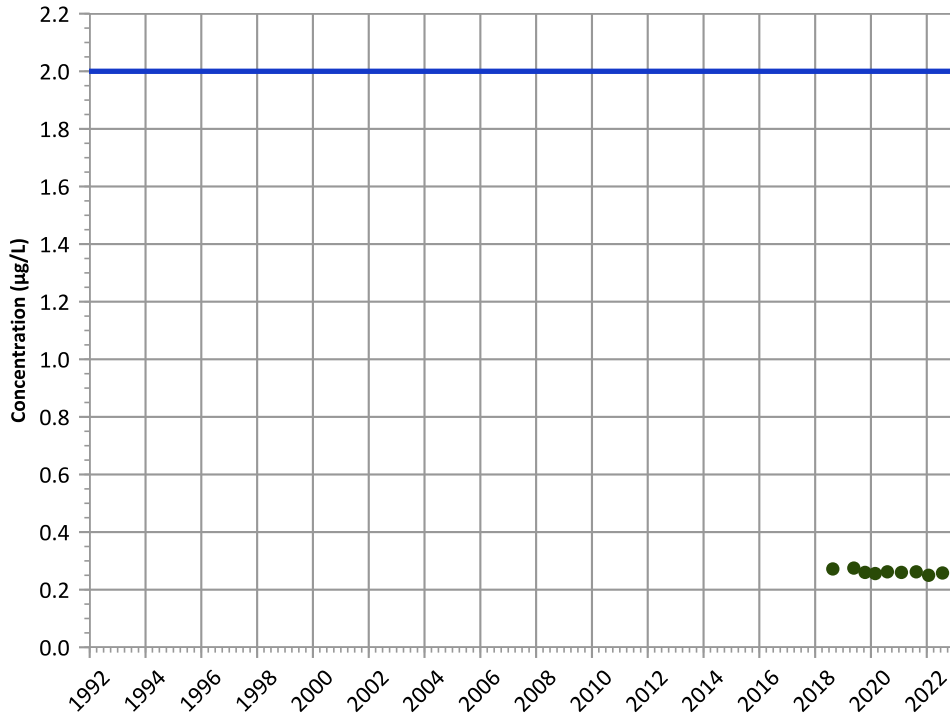
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

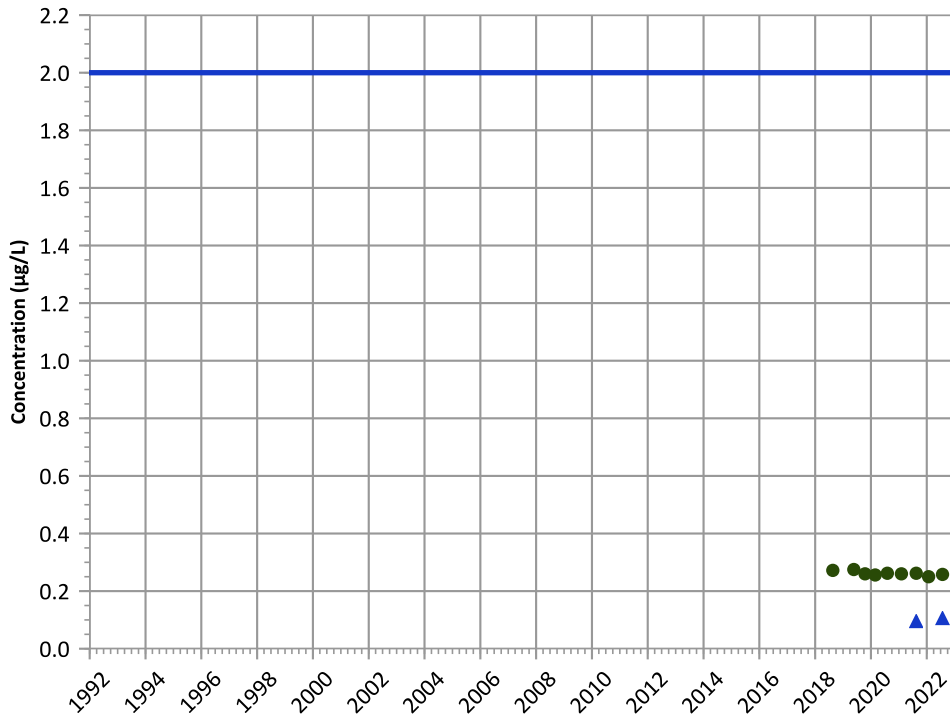


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

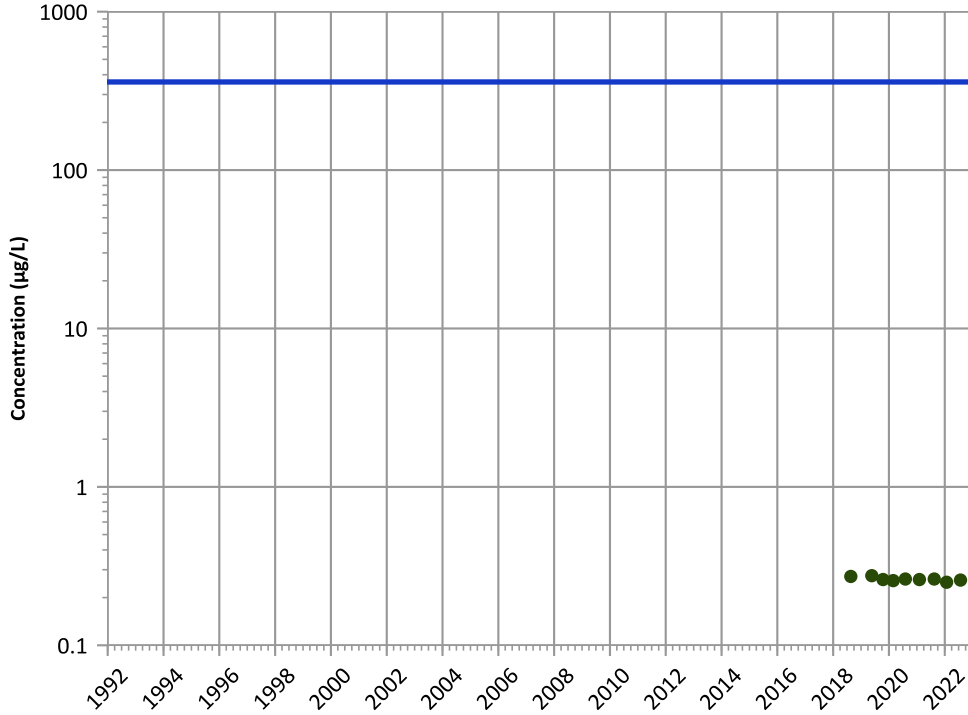


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

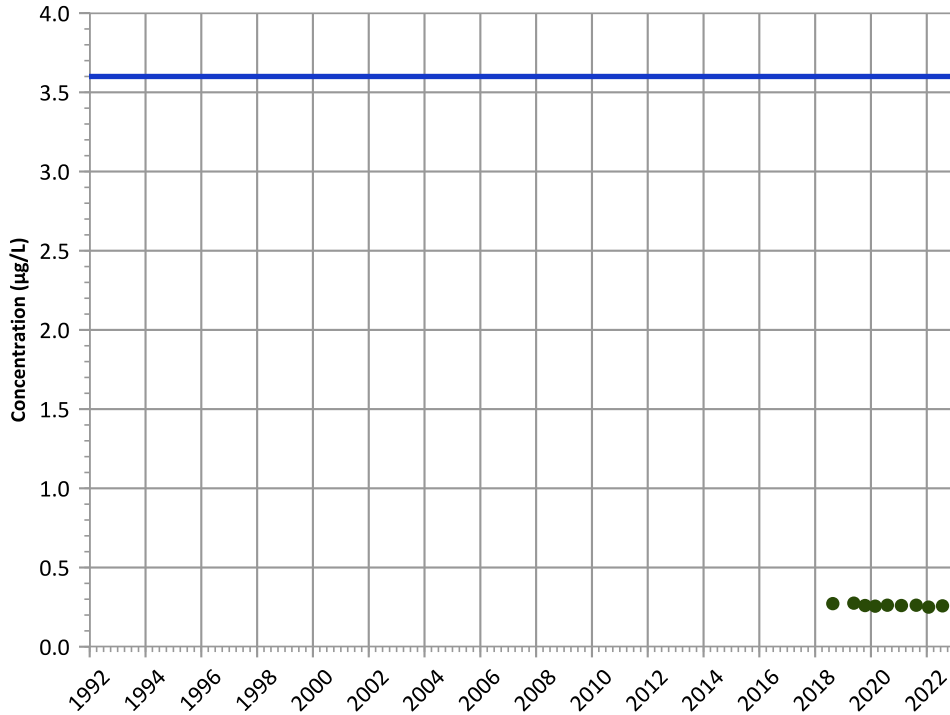
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

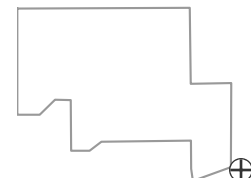
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 08/20/2018 to 07/26/2022

Analysis Date: 04/27/2023

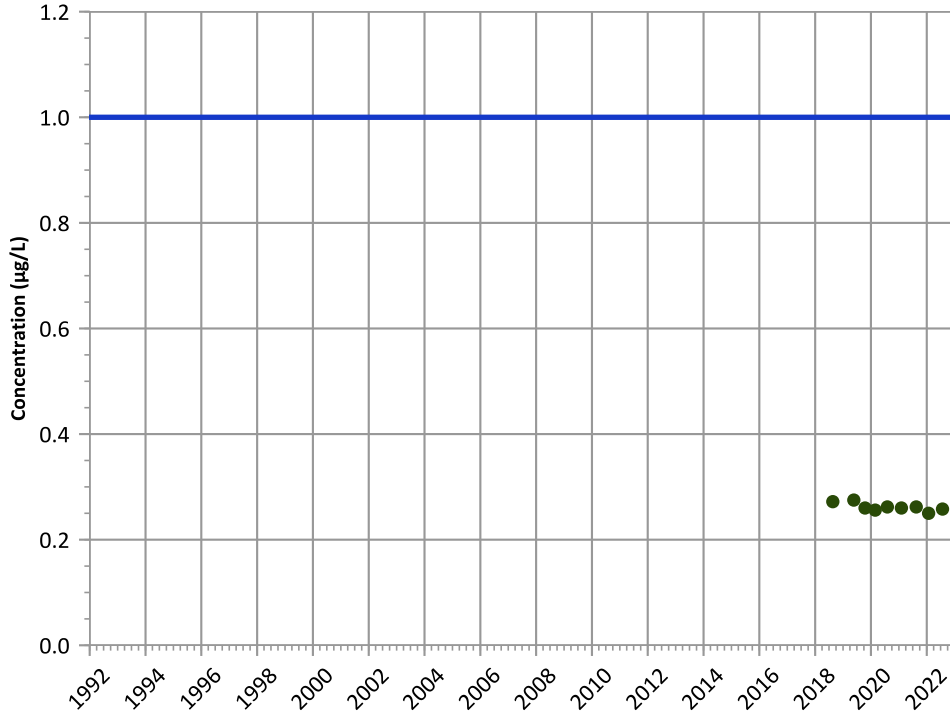
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

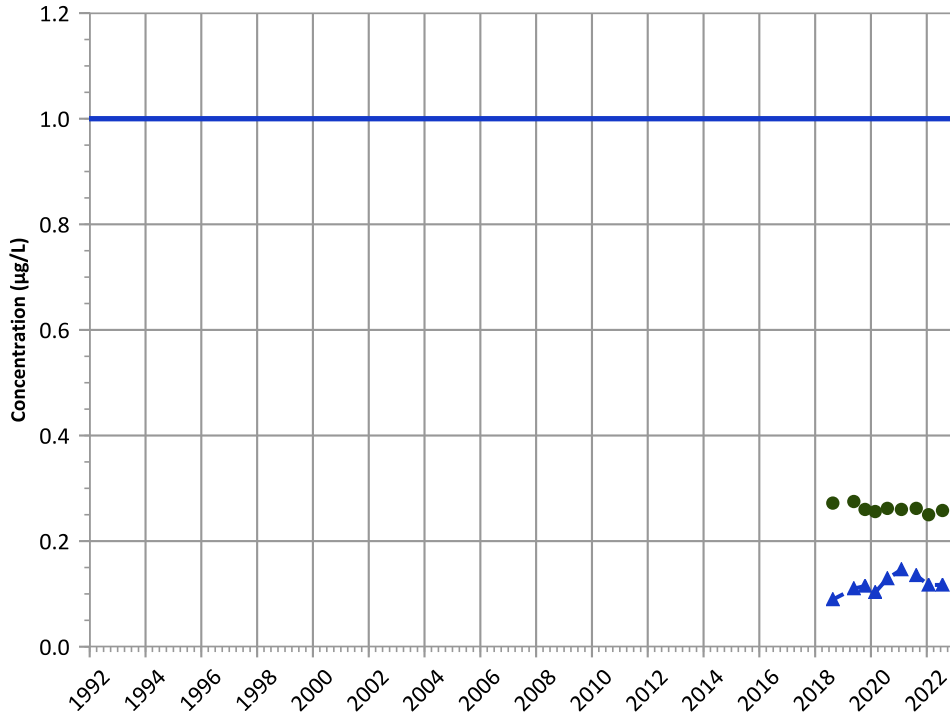
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

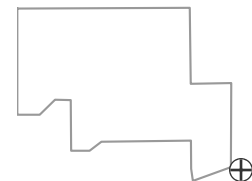
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

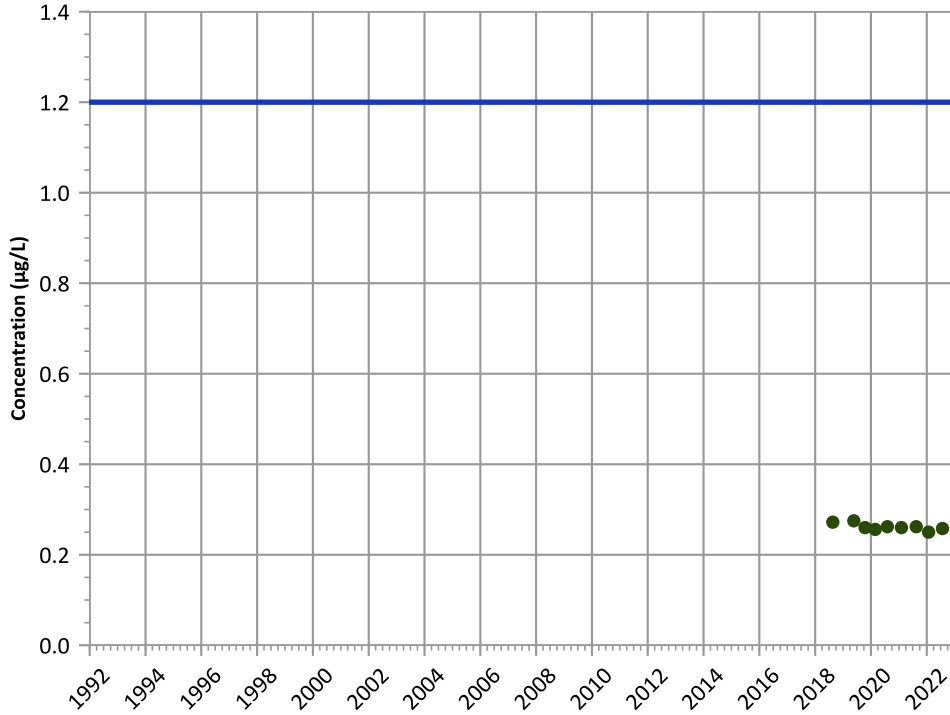
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

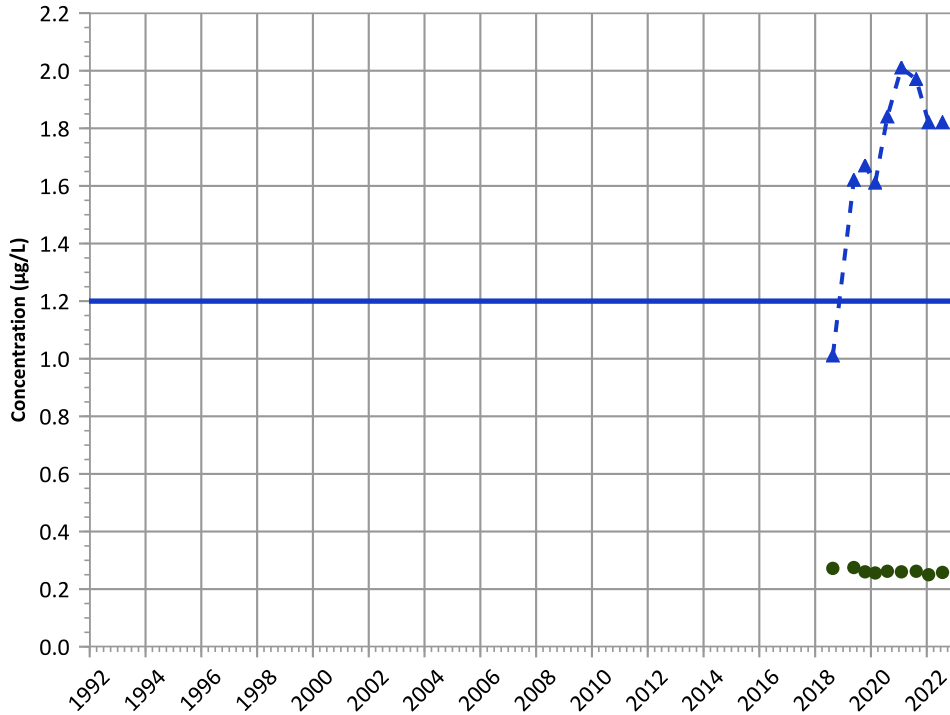
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

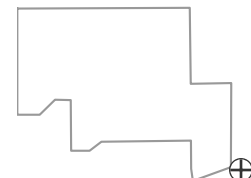
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

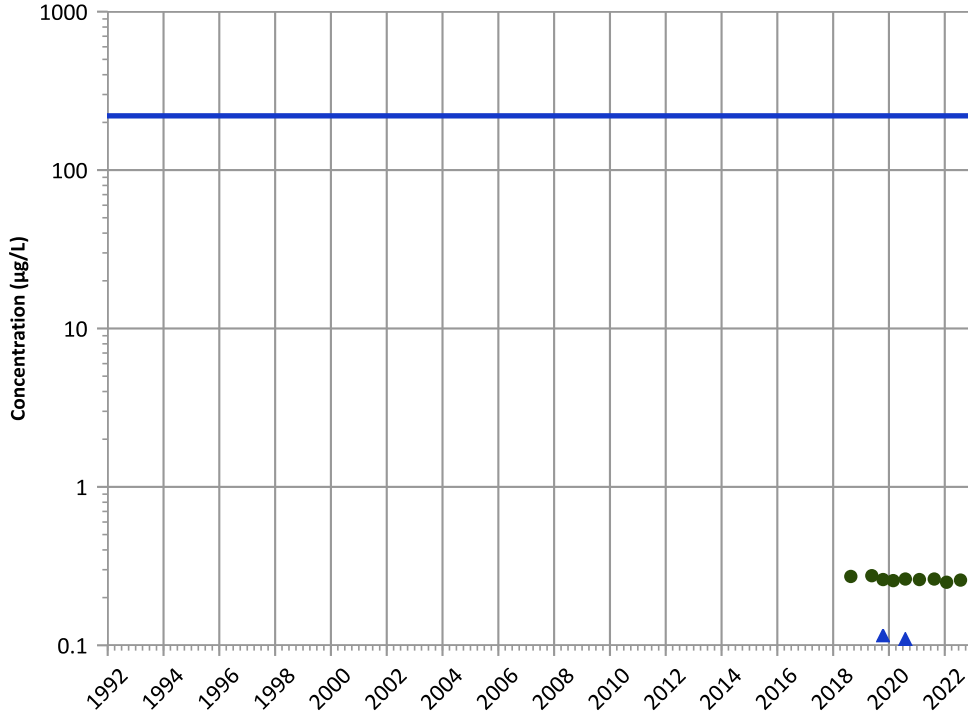
Well Location





PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

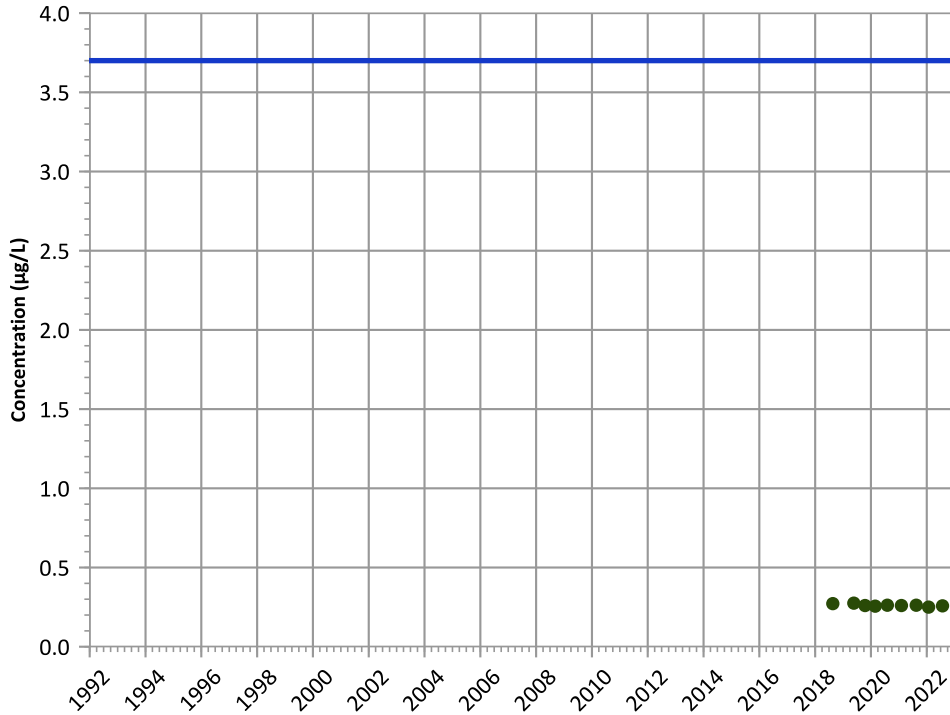


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

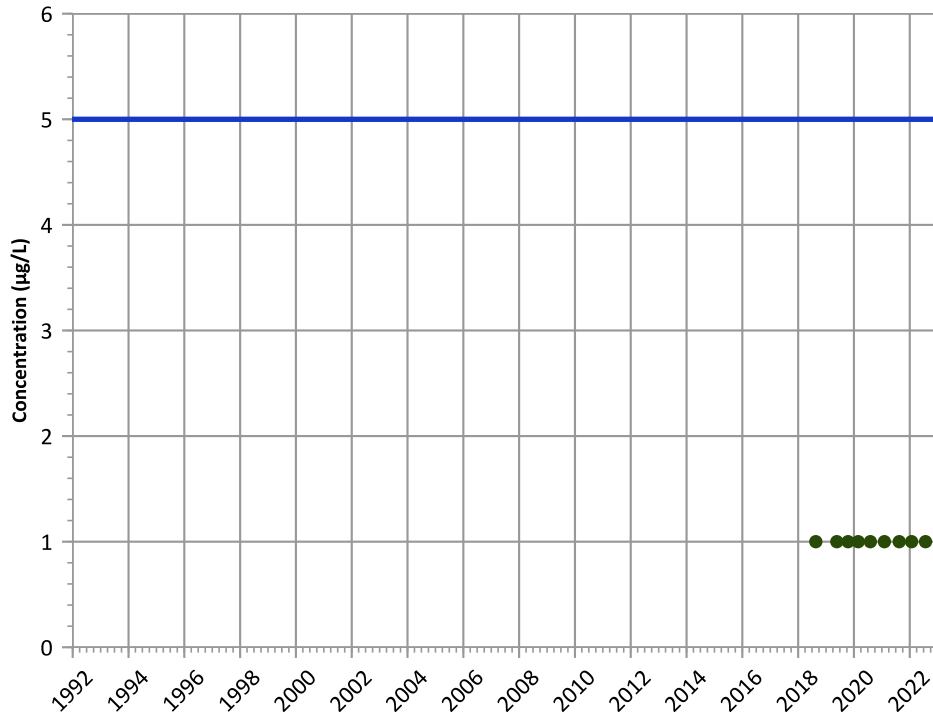
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

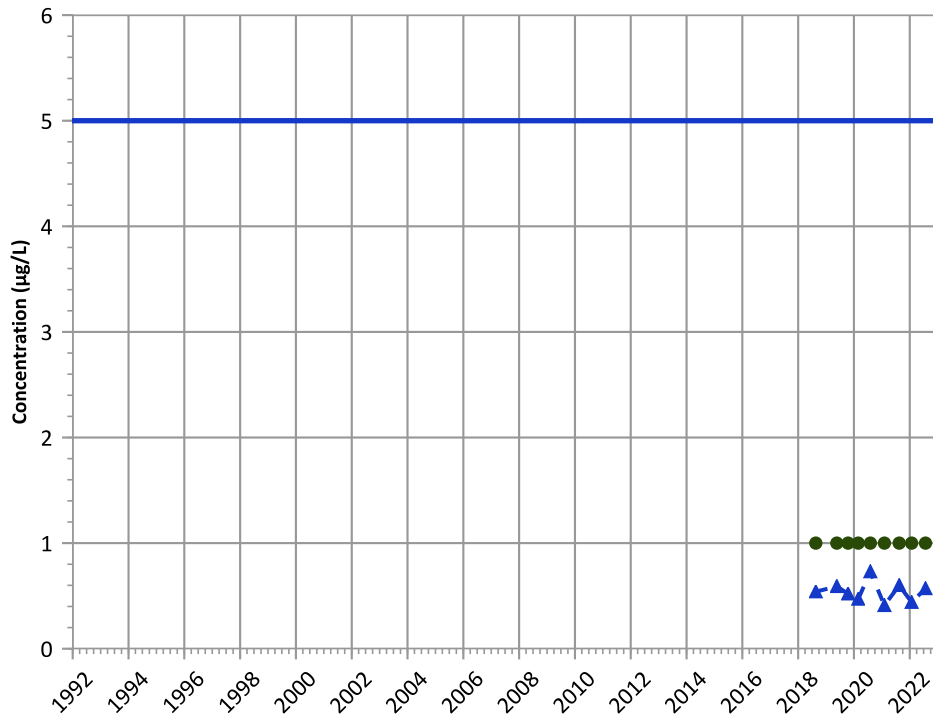
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

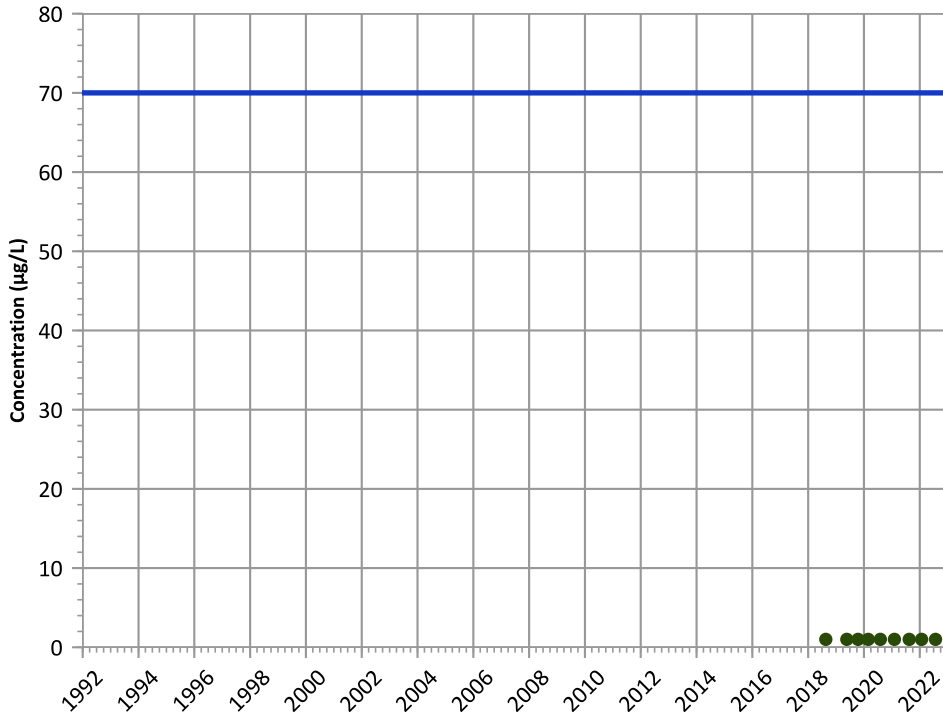
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

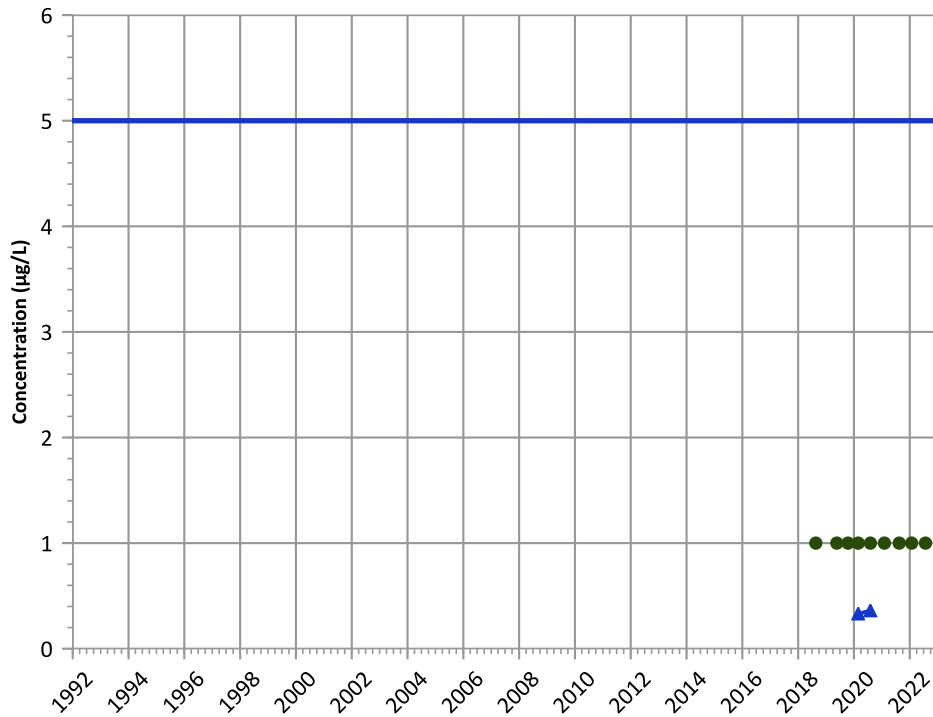


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

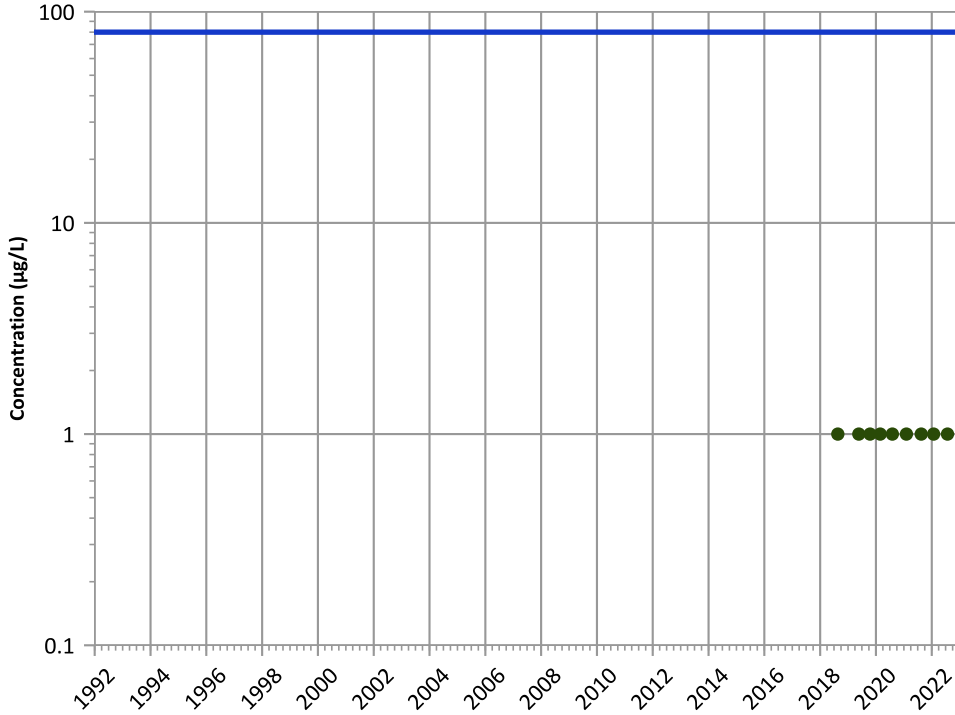
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

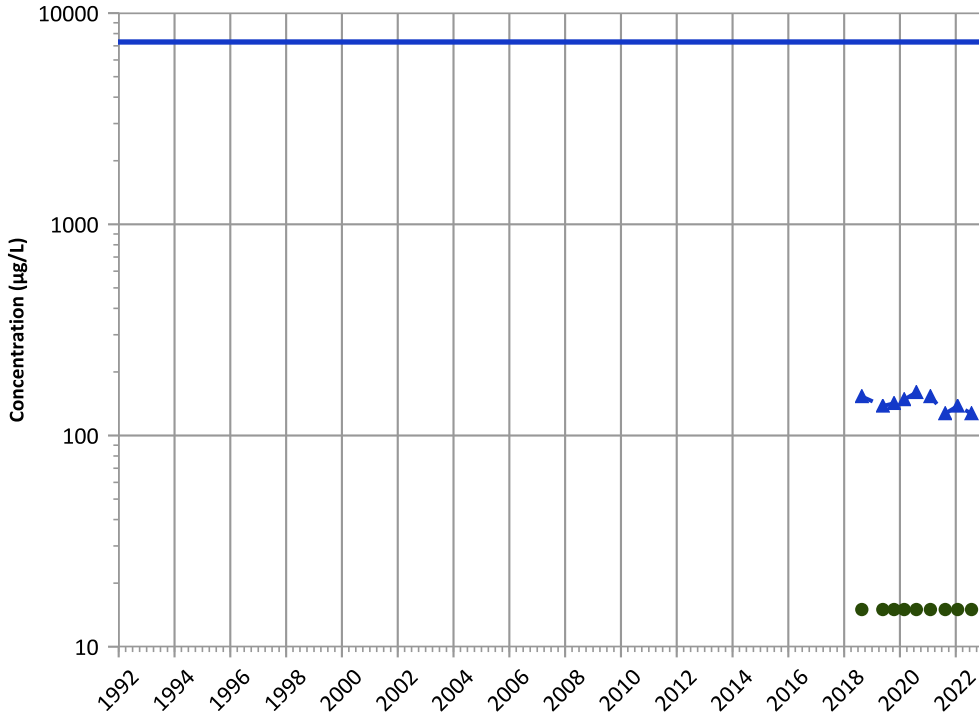


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

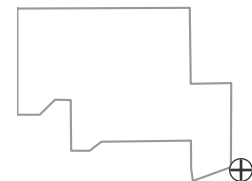


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

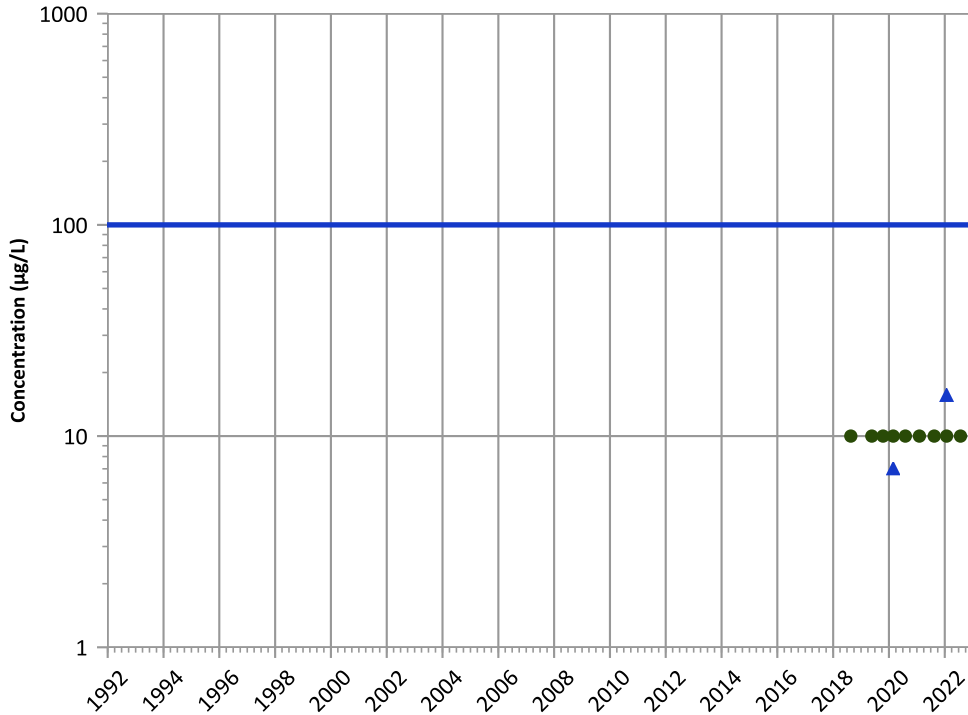
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

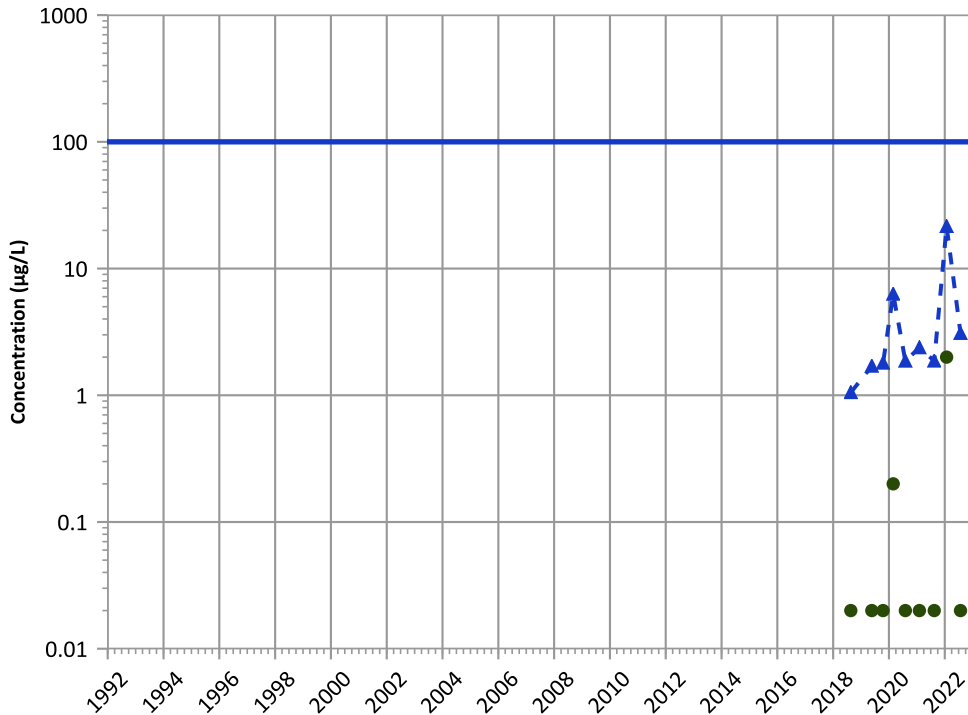


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chromium, Hexavalent Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

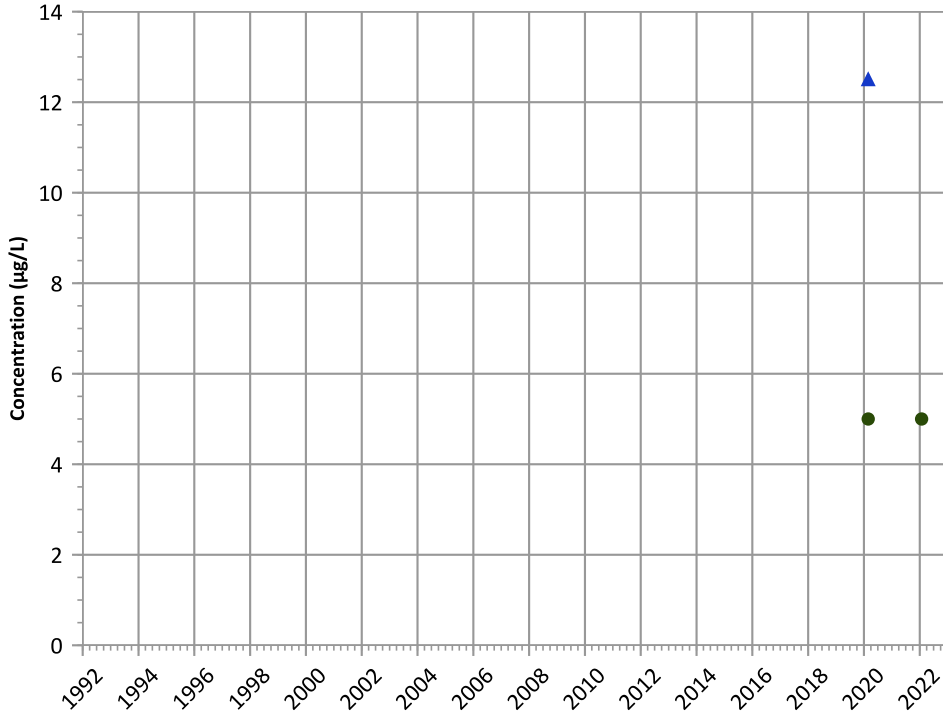
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

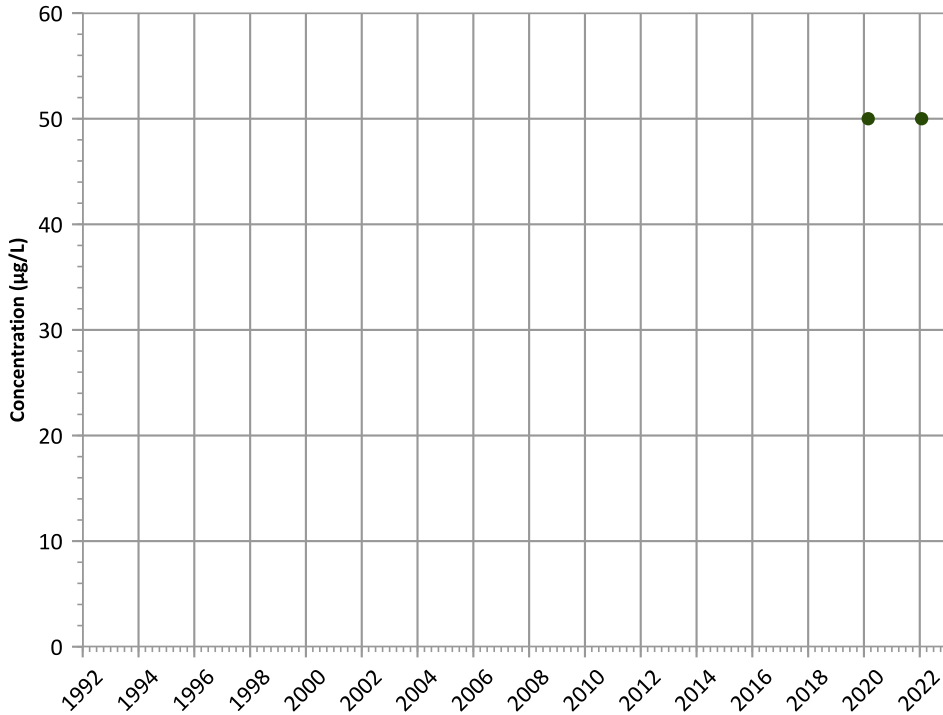
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

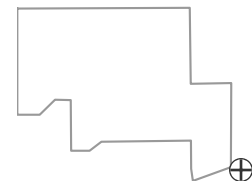
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

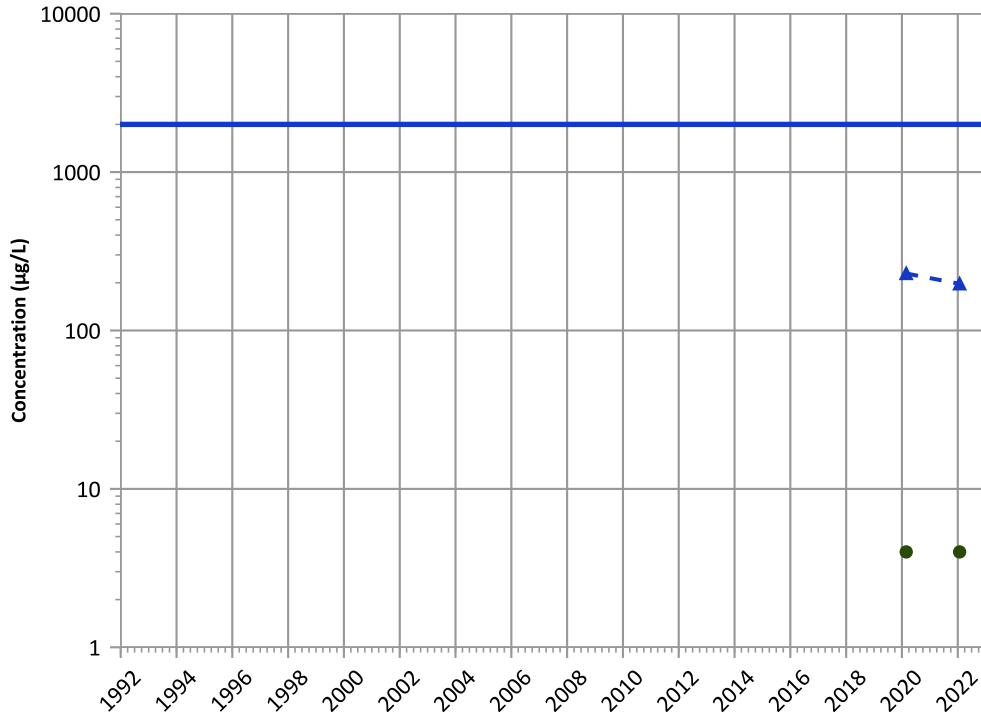
Data Date Range: 08/20/2018 to 07/26/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

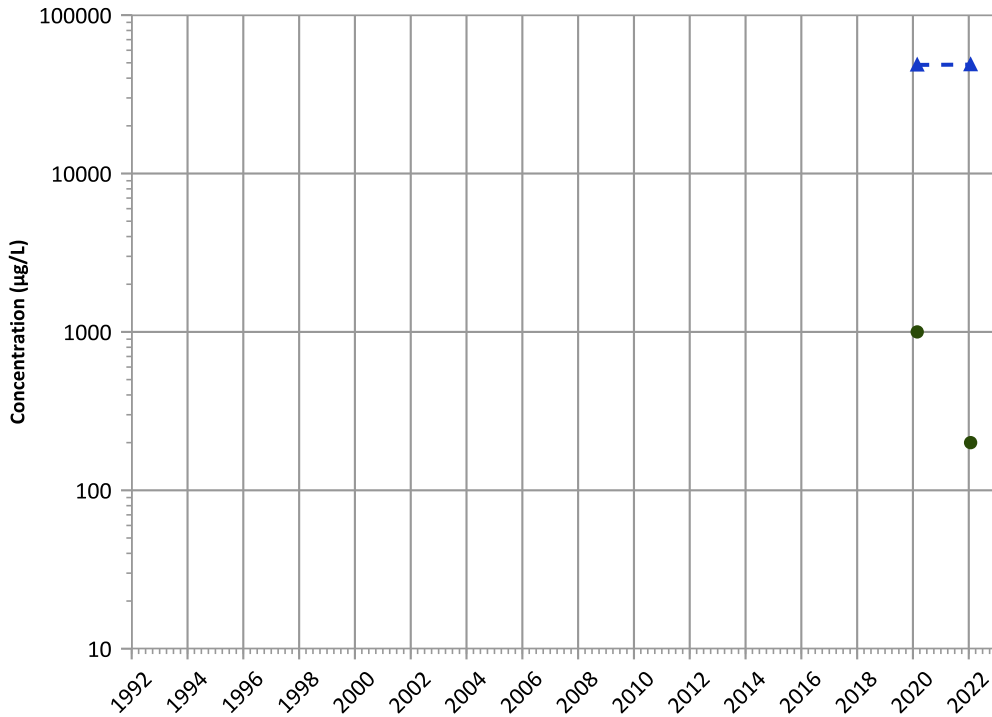


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend

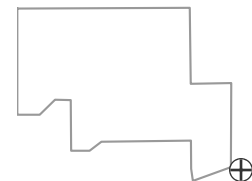


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

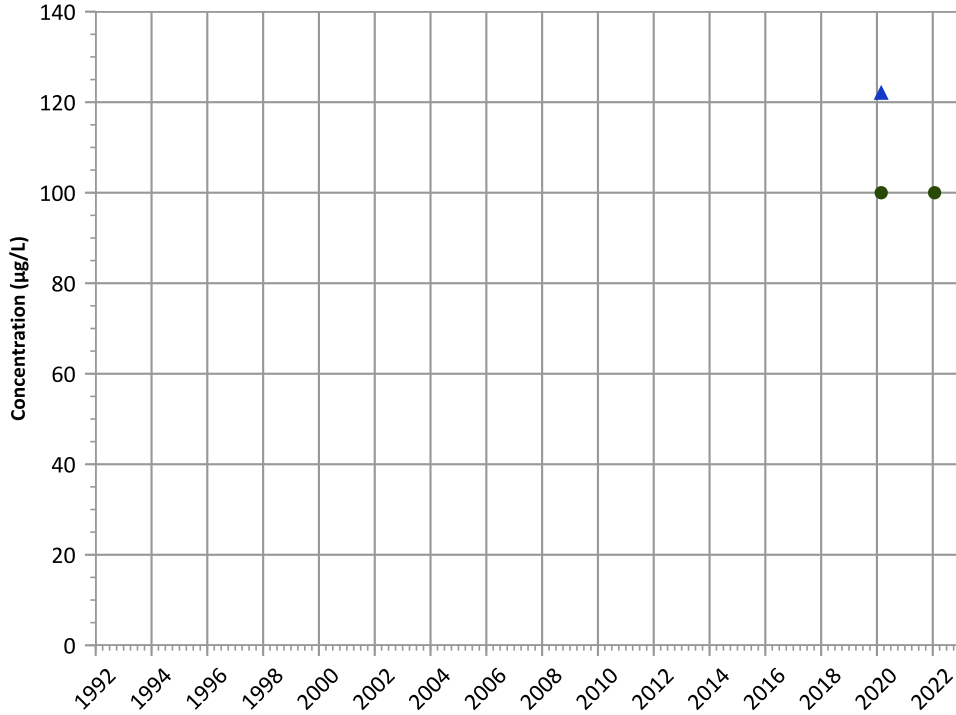


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

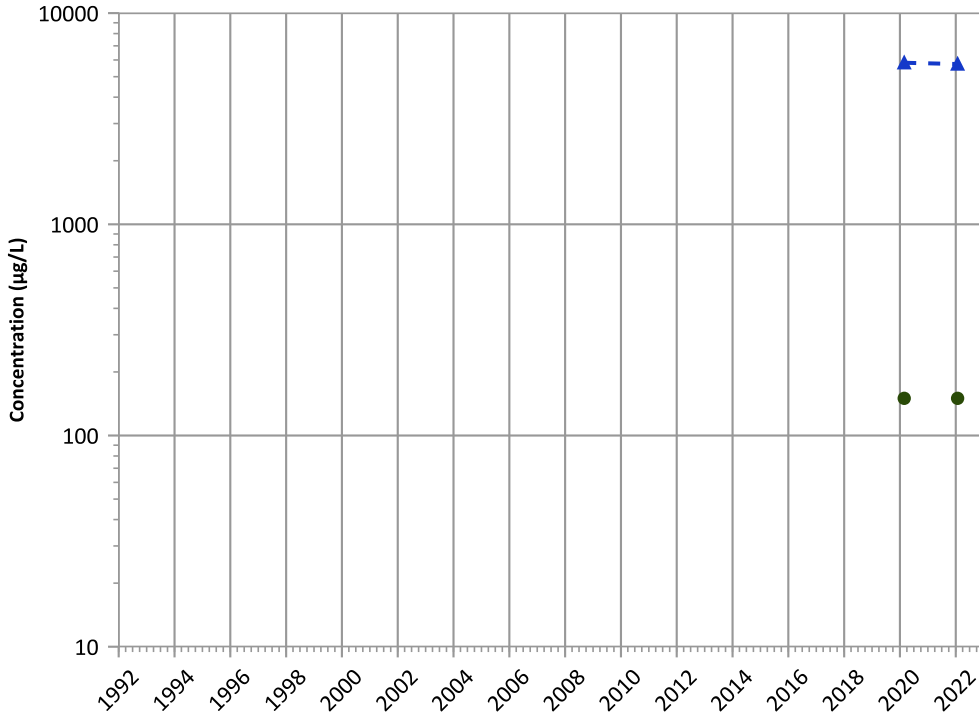


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

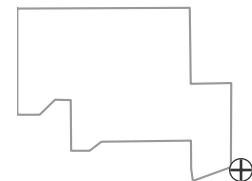


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location



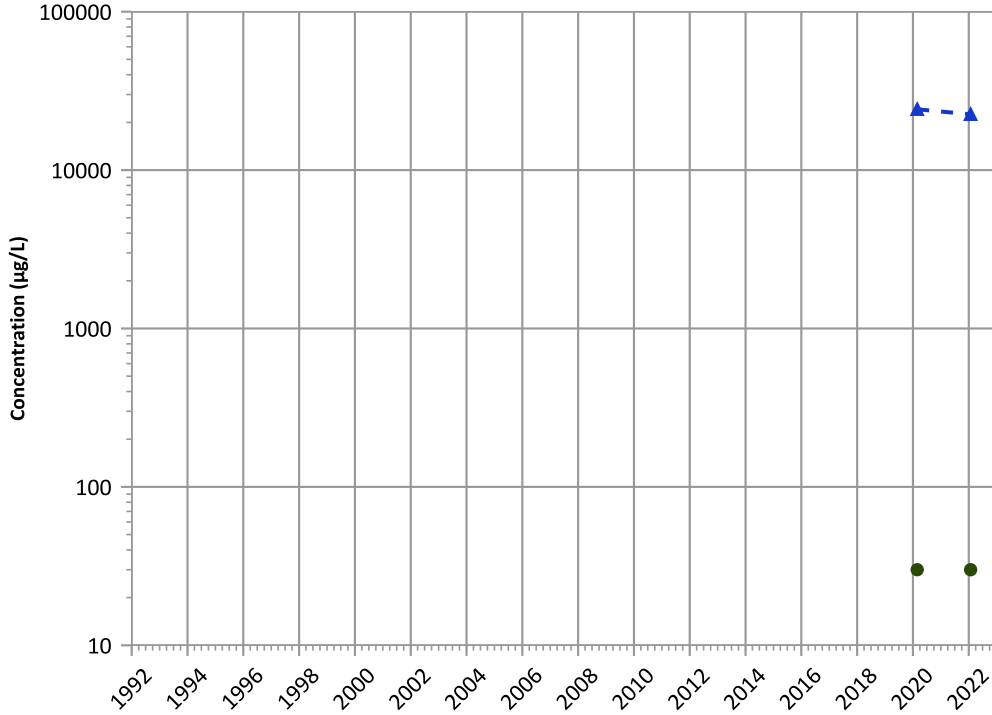
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1199 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

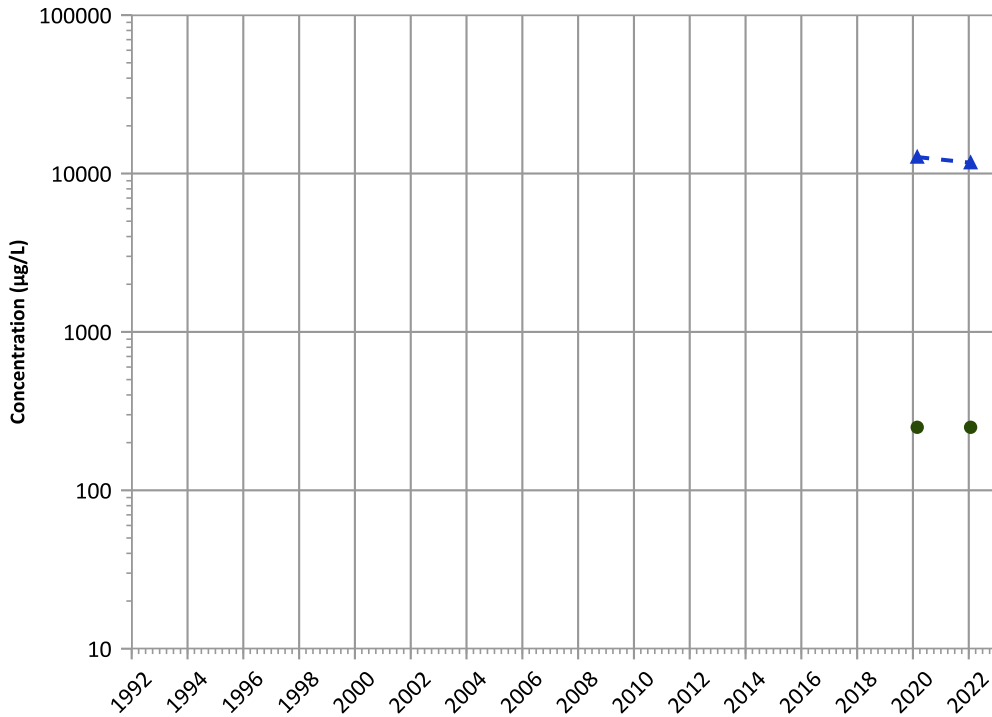


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

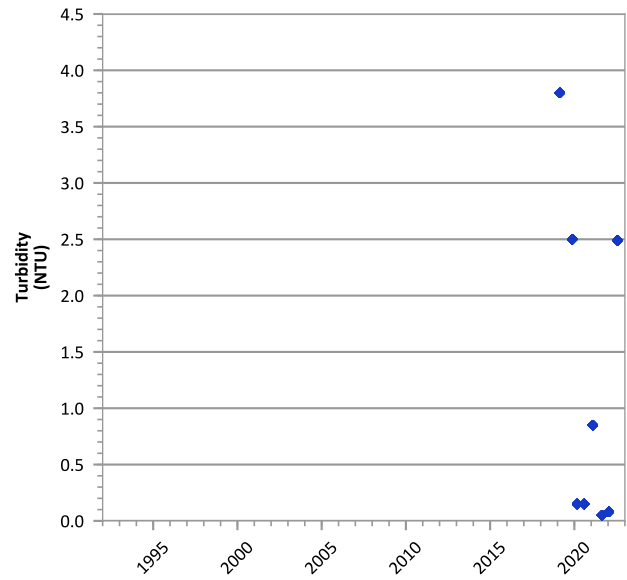
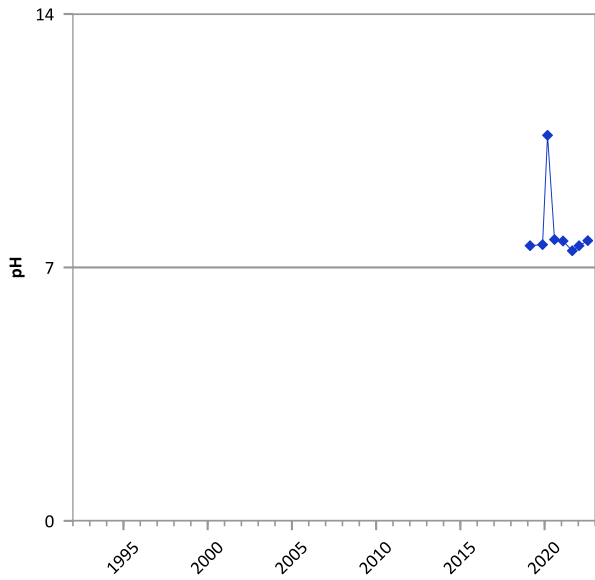
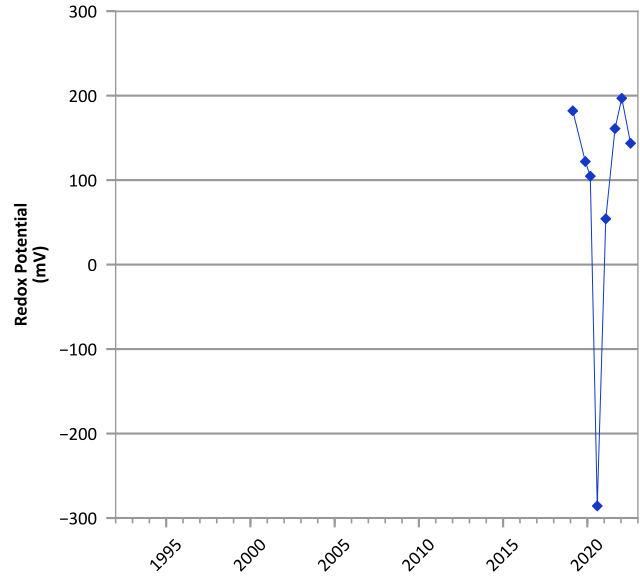
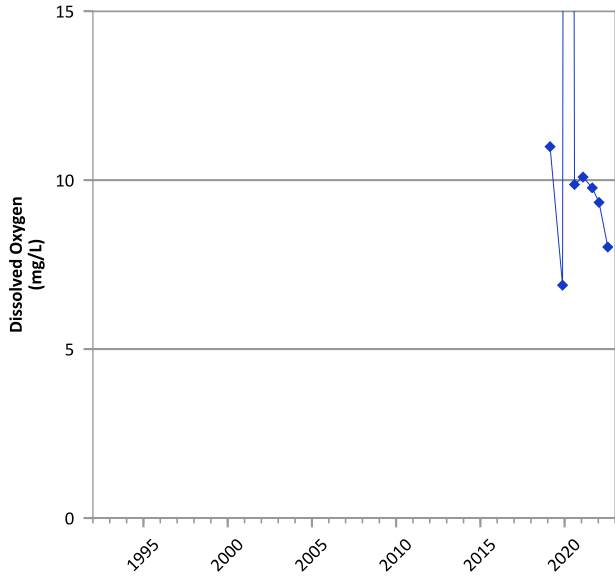
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 07/26/2022  
Analysis Date: 04/27/2023

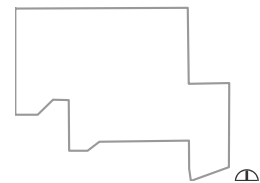
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



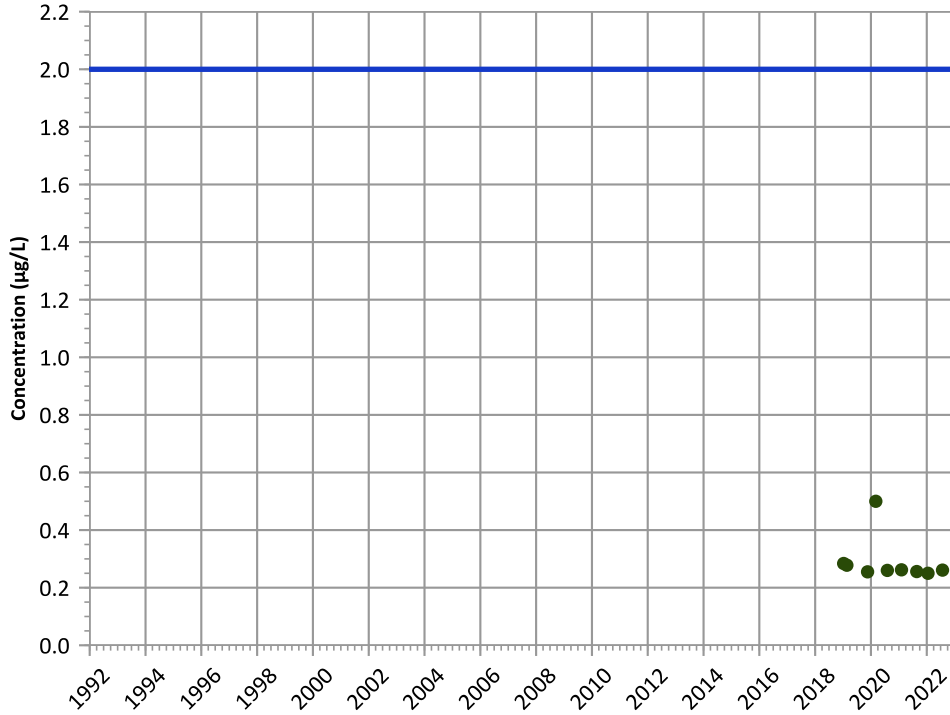
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/09/2019 to 07/26/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

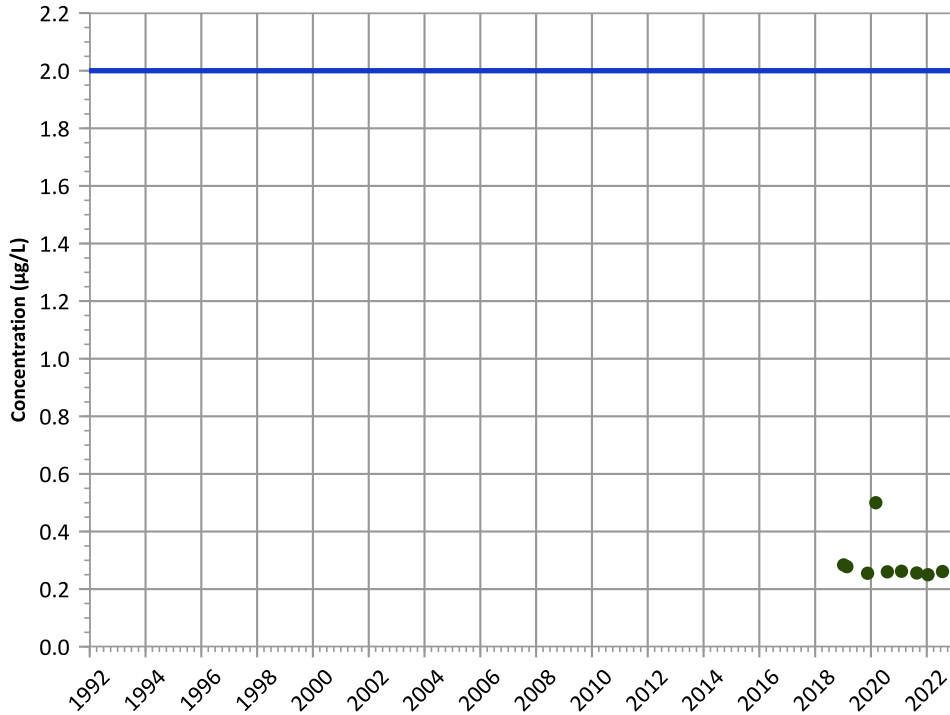


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

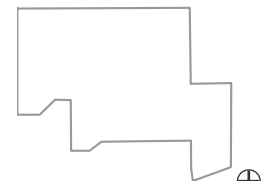
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

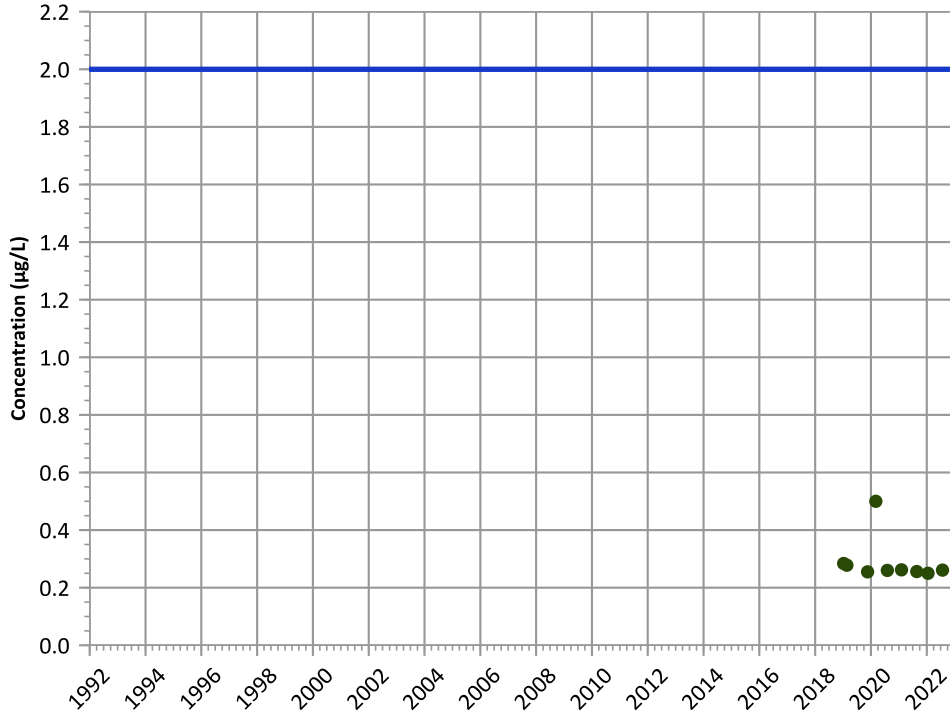
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

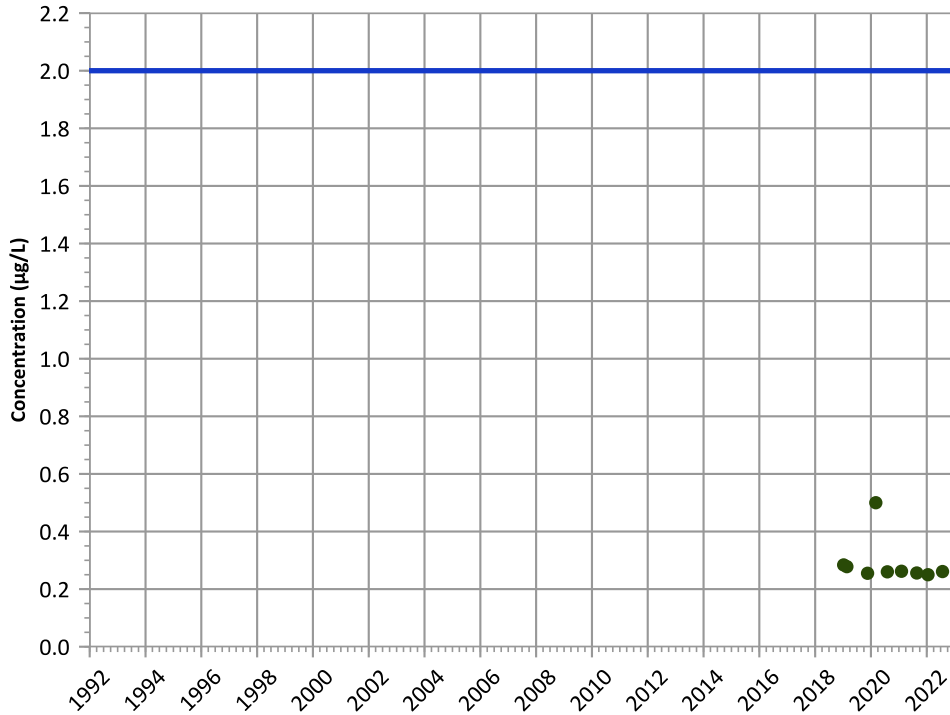


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

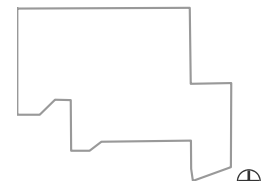
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

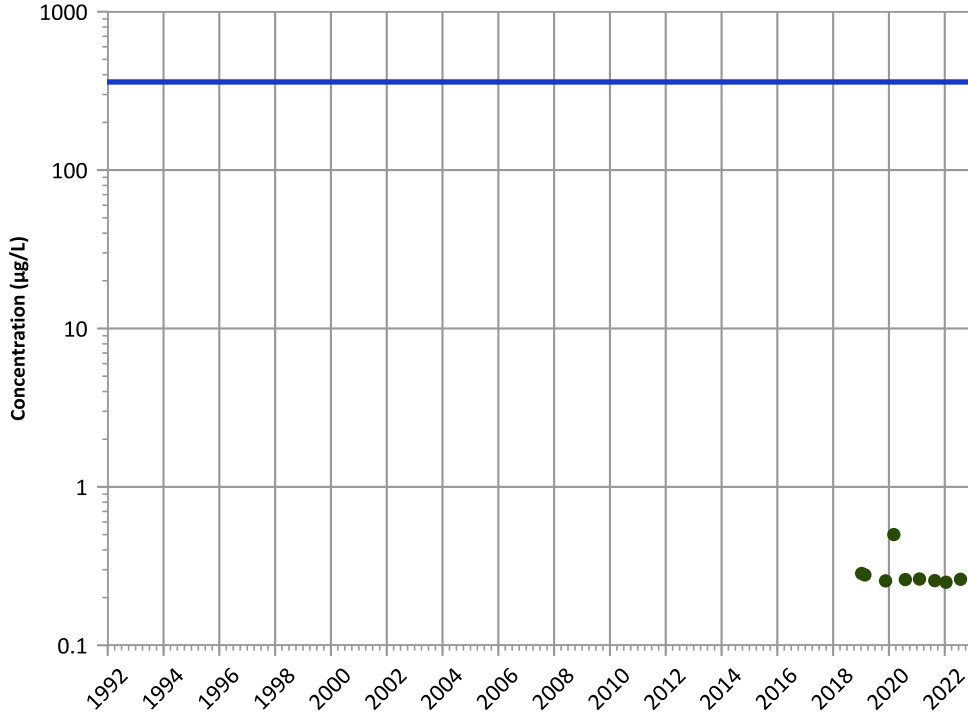
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

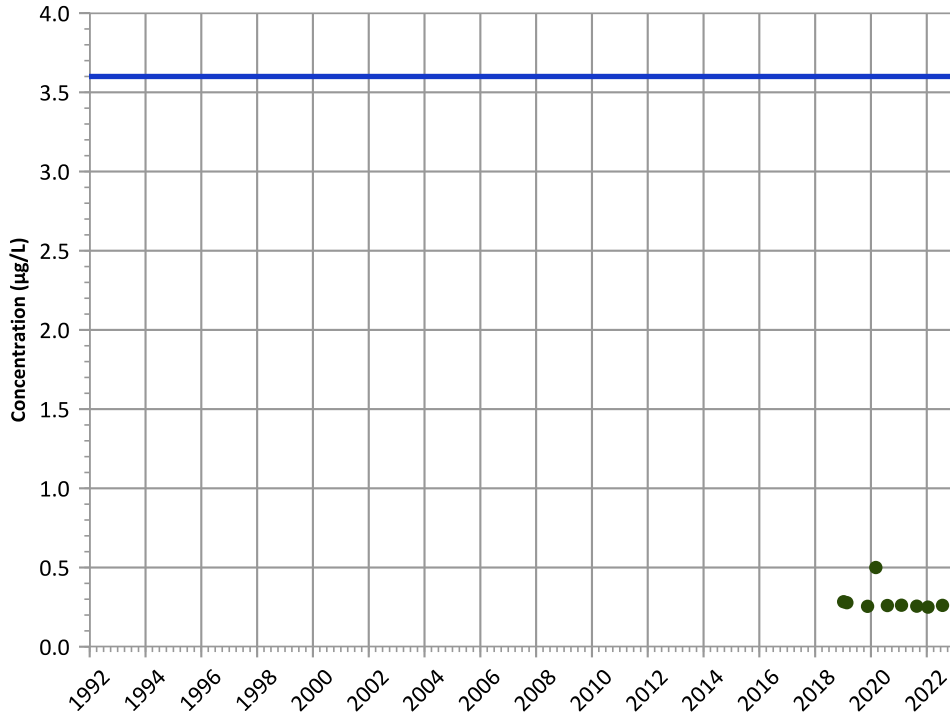


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

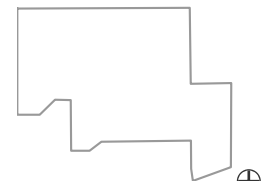
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

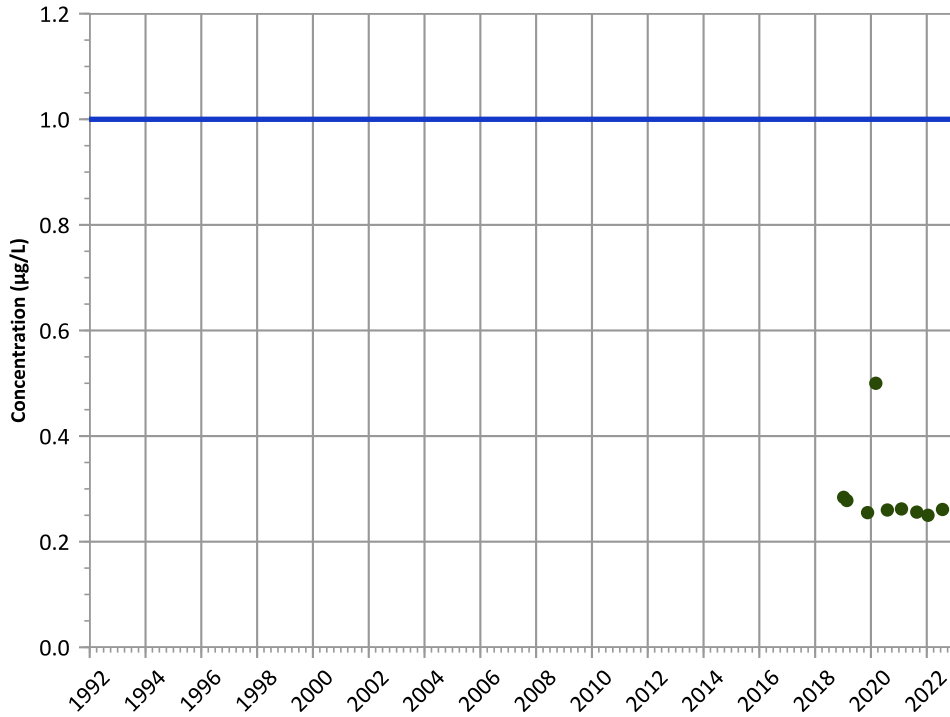
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

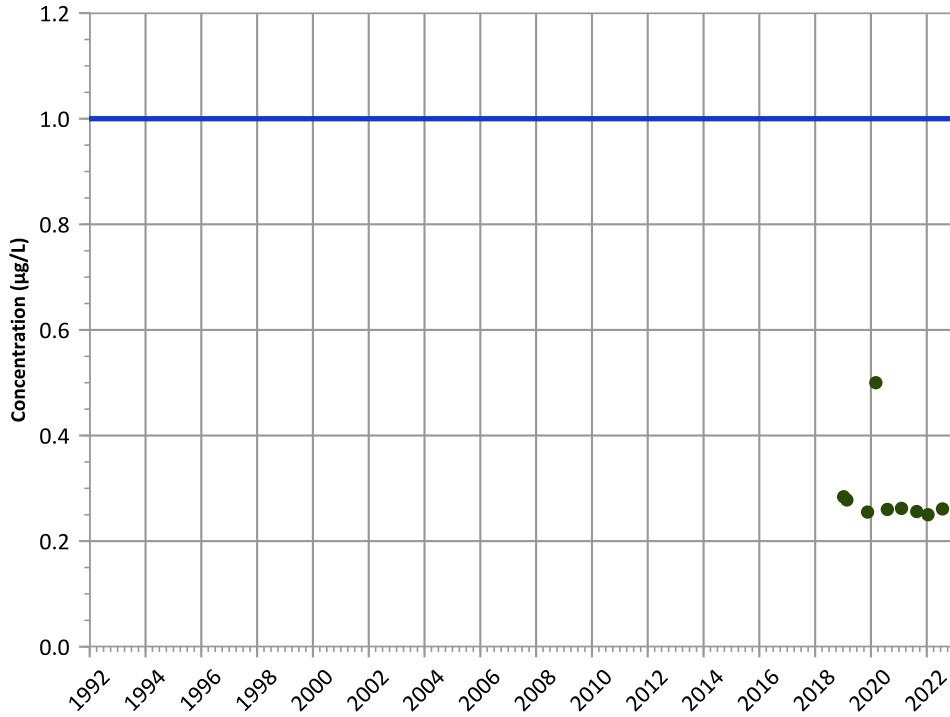
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

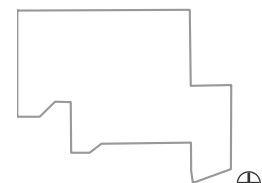
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

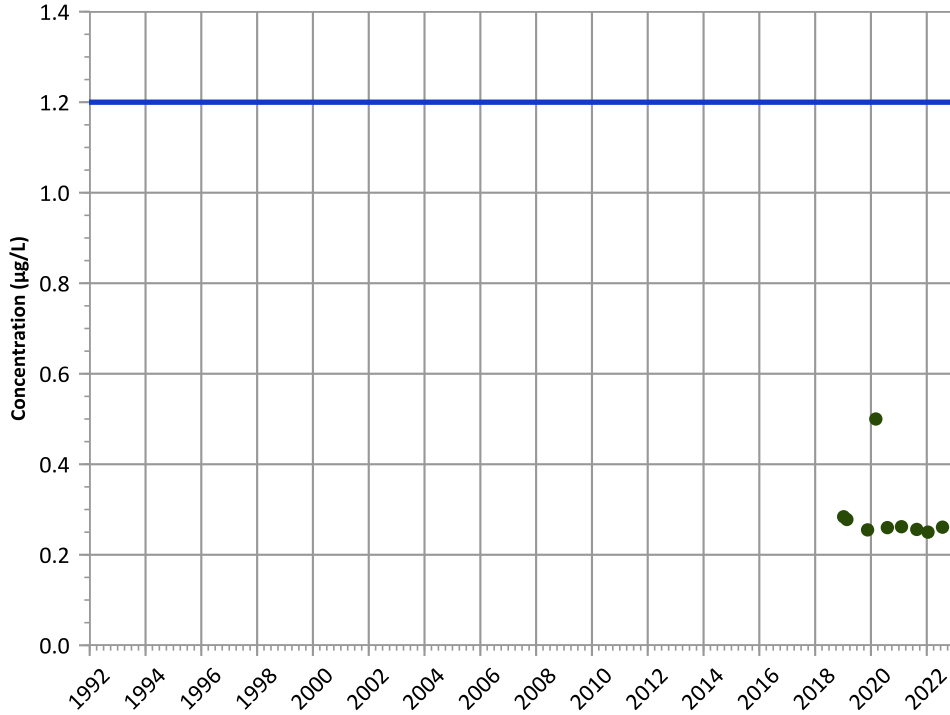


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

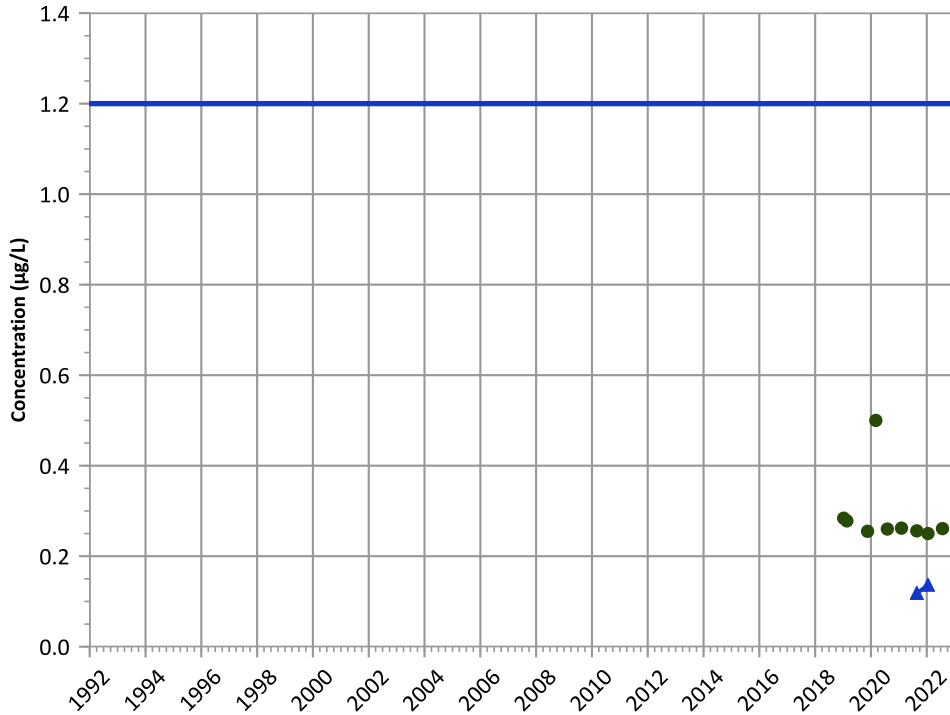
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

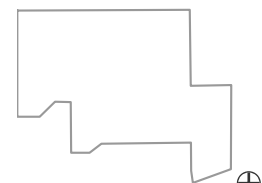
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 01/09/2019 to 07/26/2022

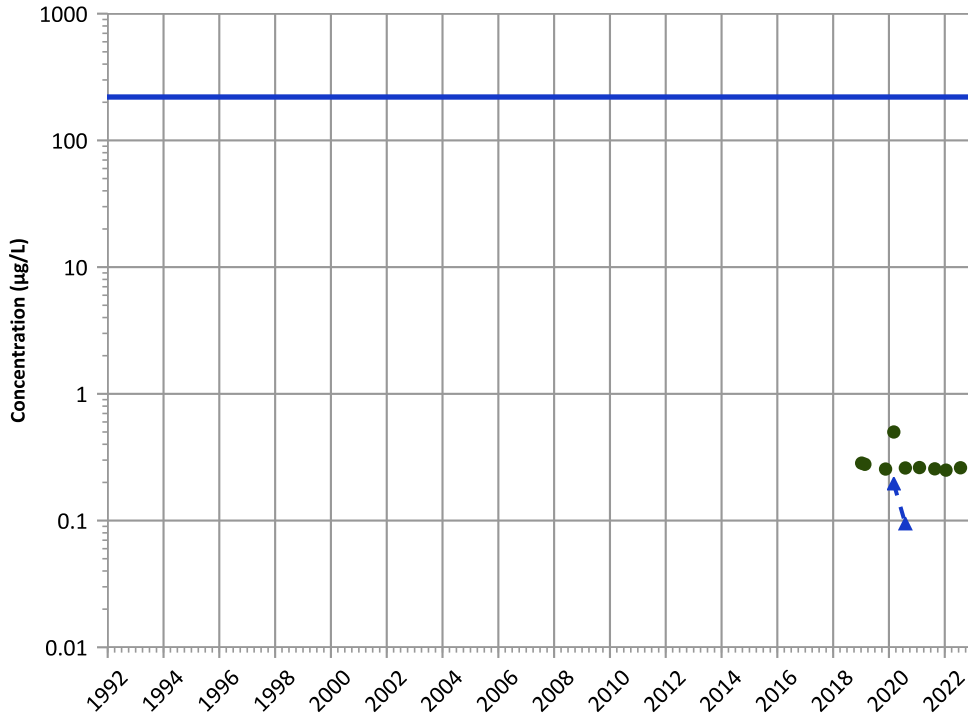
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,3,5-Trinitrobenzene Trend

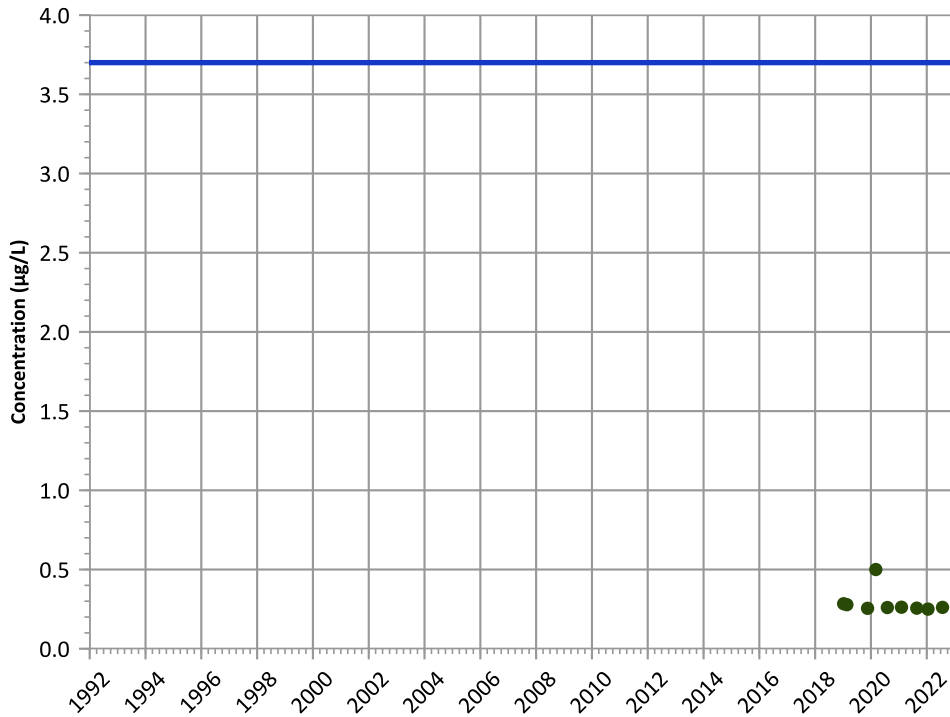


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend

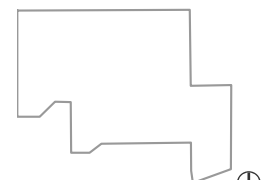


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

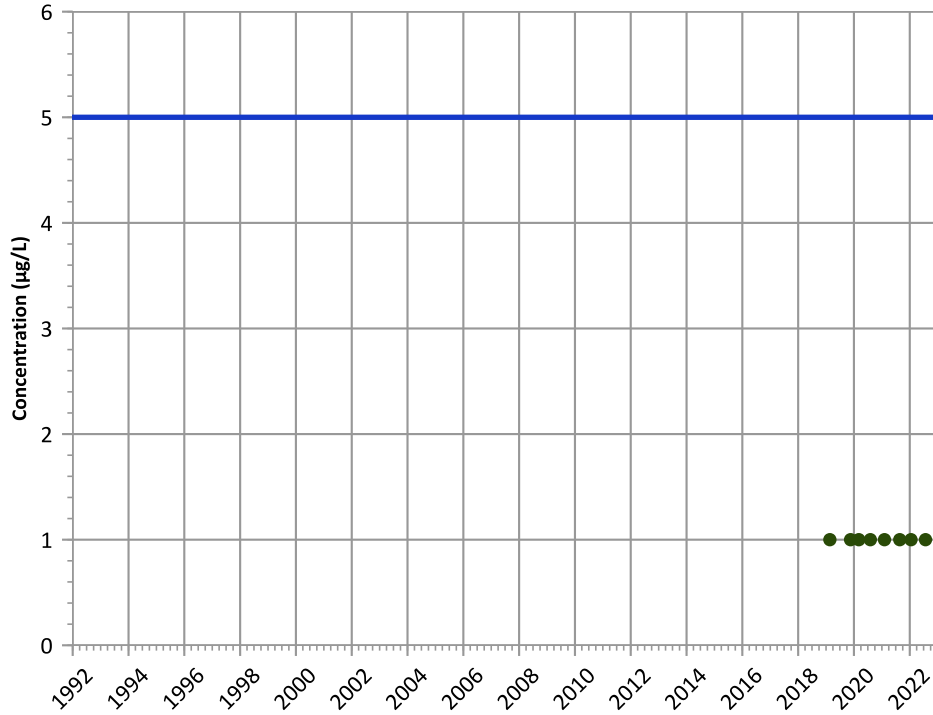


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

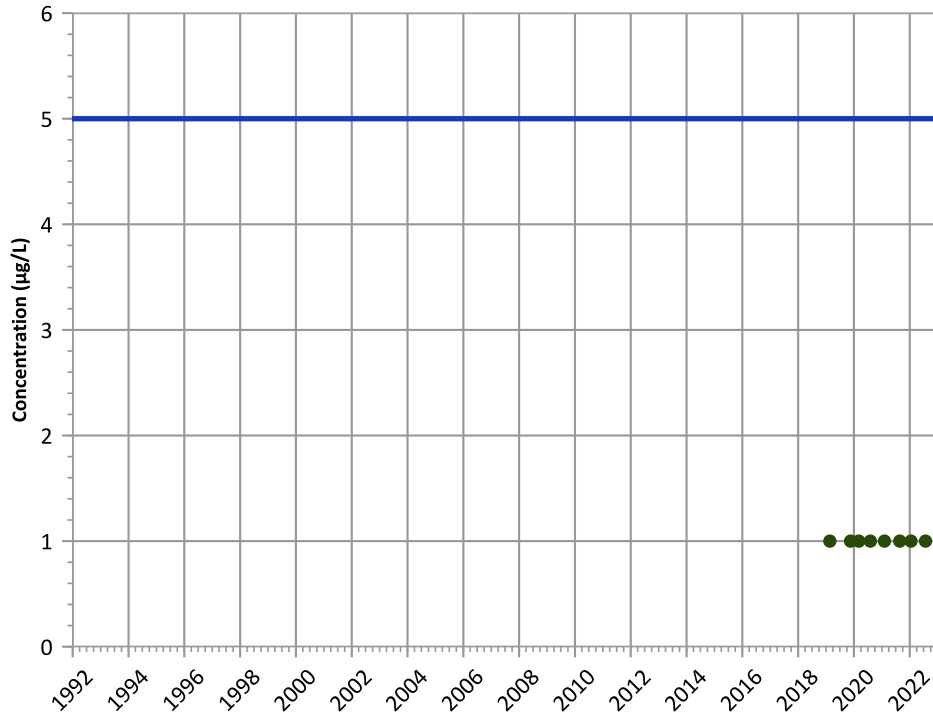
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

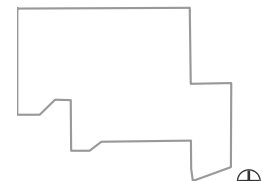
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

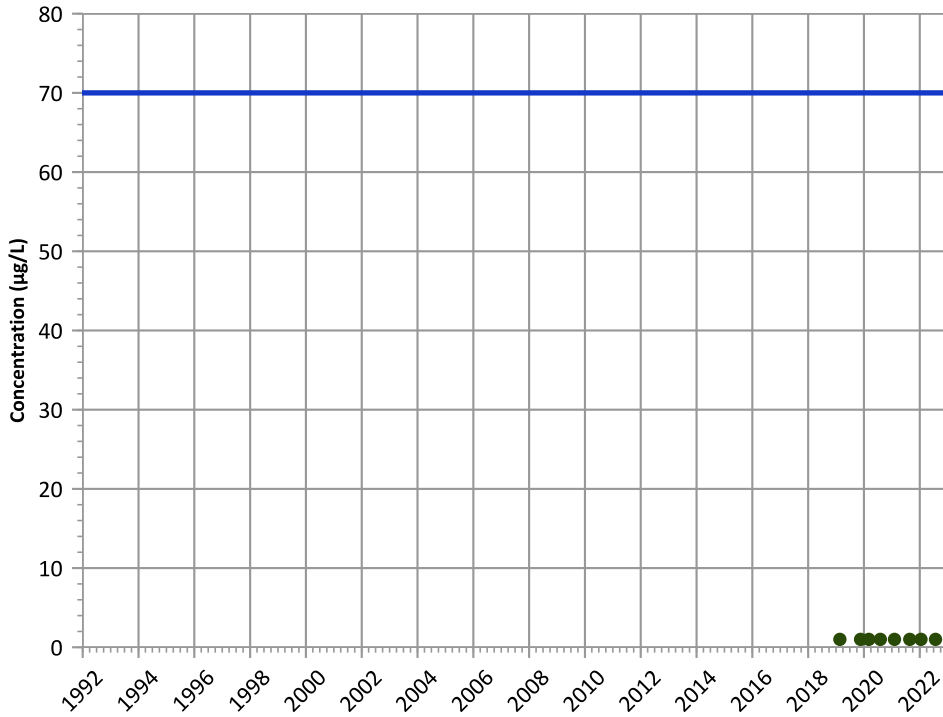
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

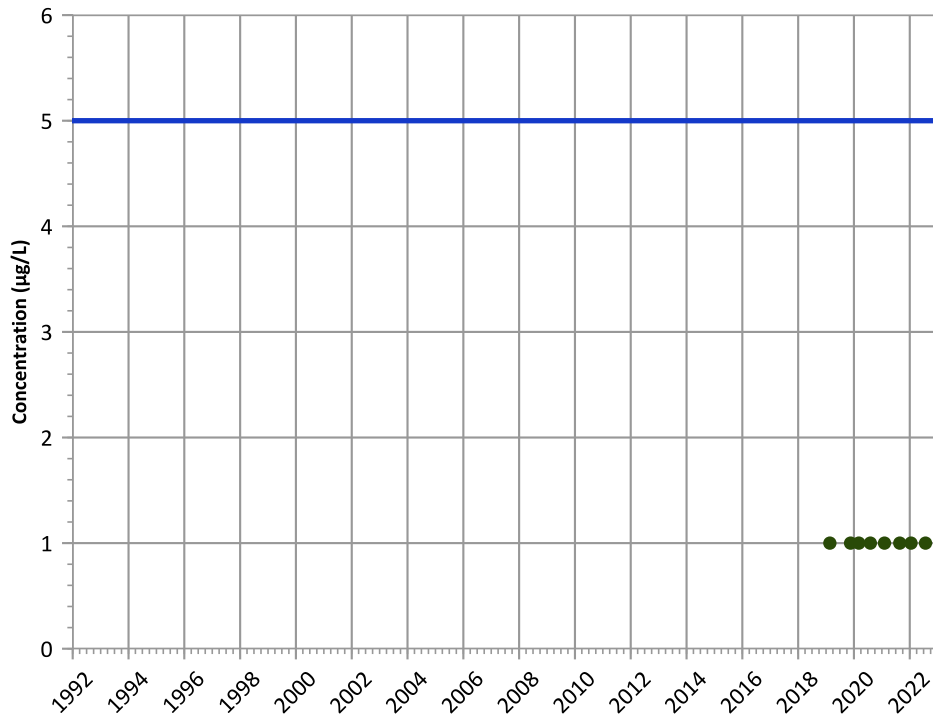


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**

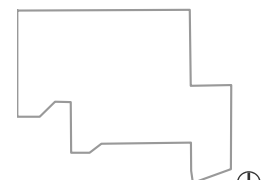


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

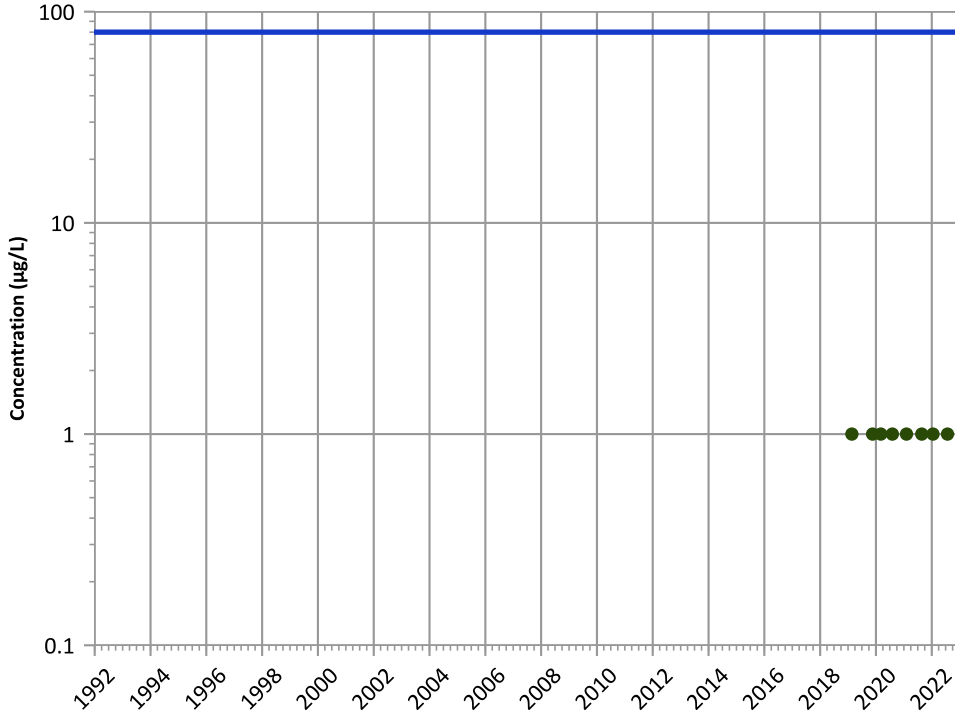
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

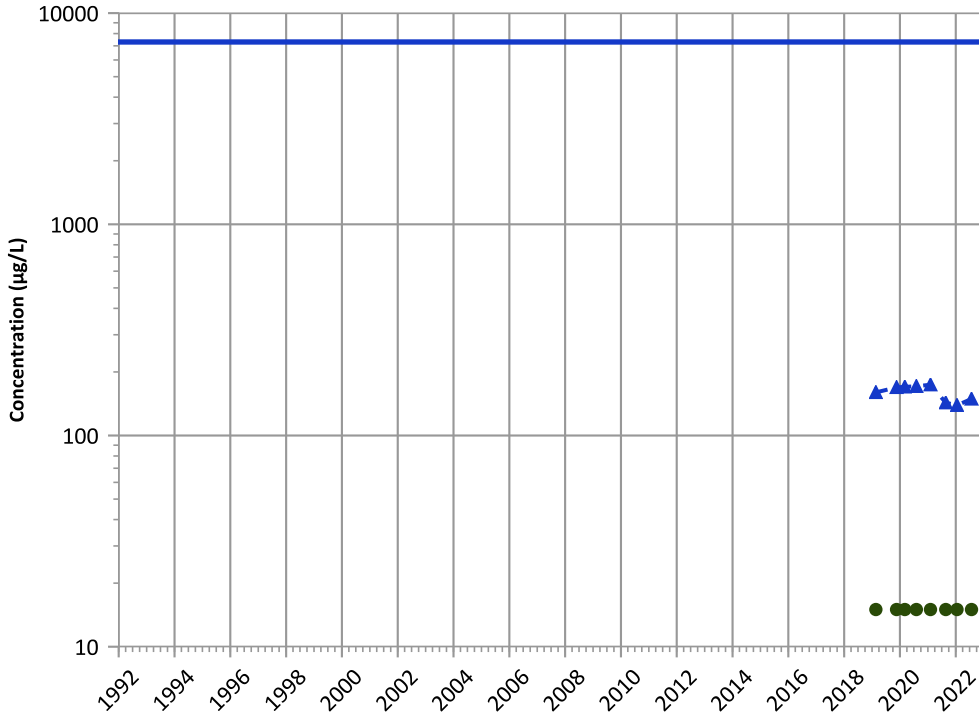


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

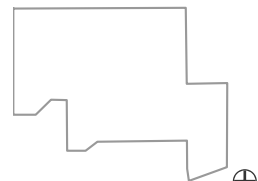


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

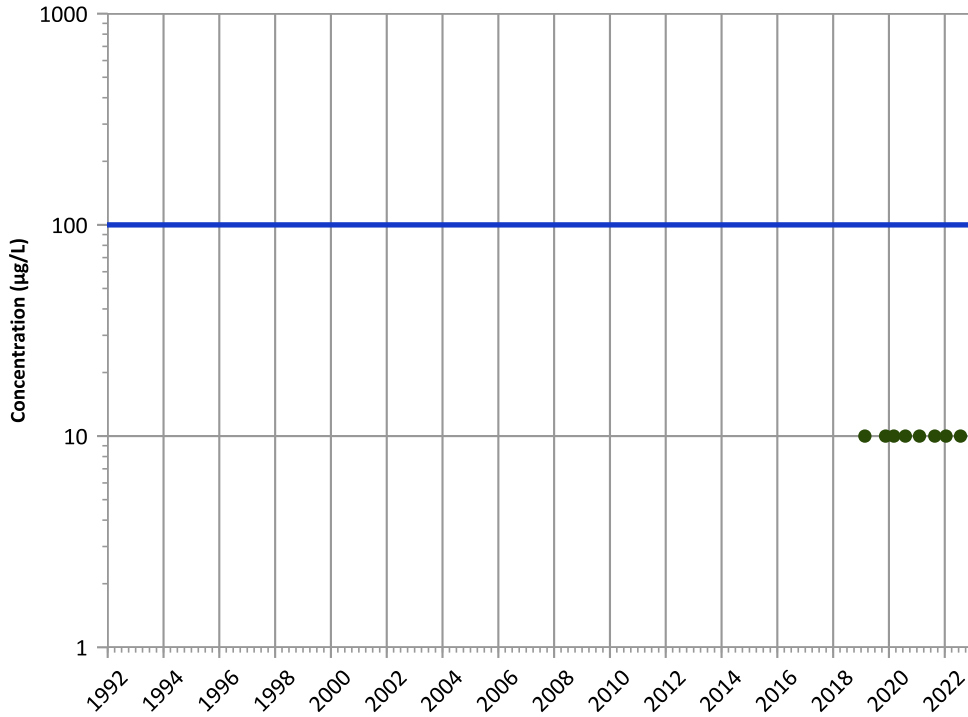
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

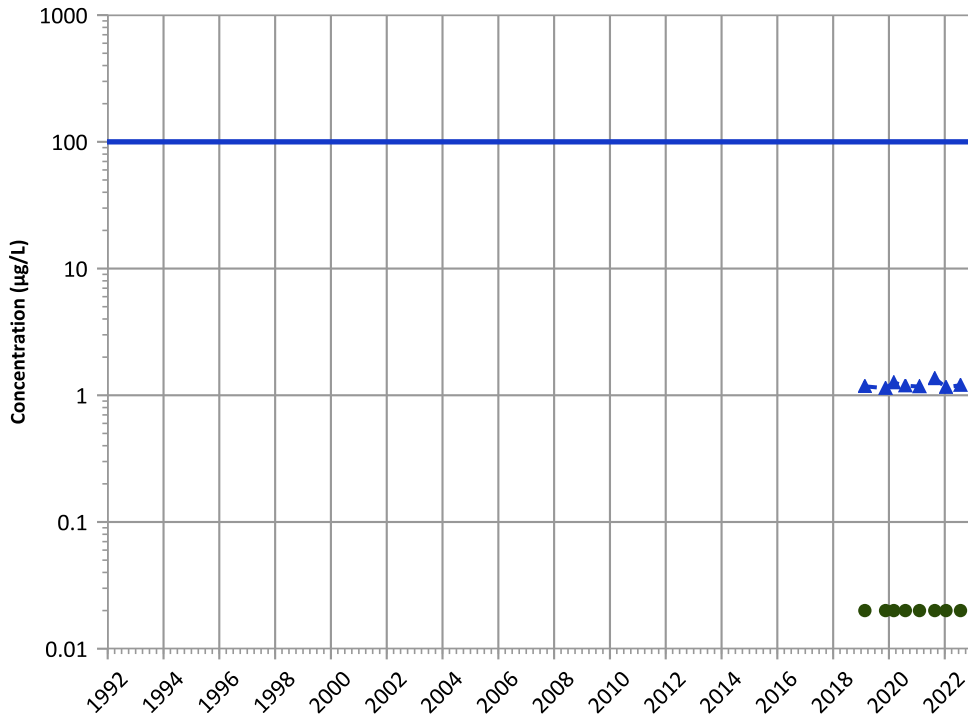


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chromium, Hexavalent Trend**



**Concentration Trend**

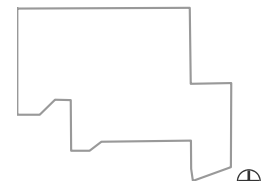
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

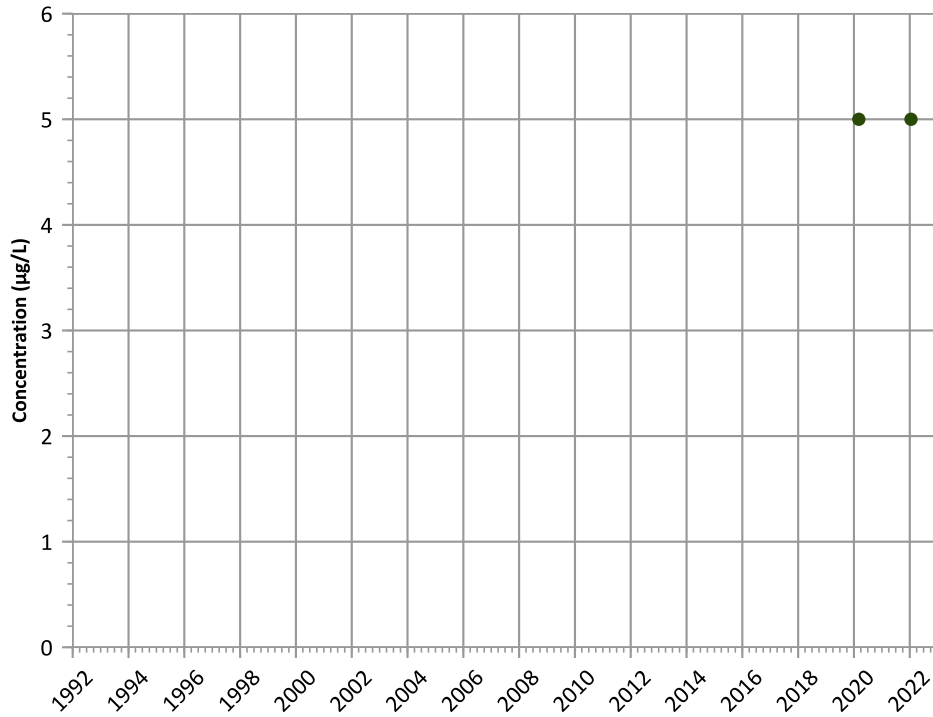
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

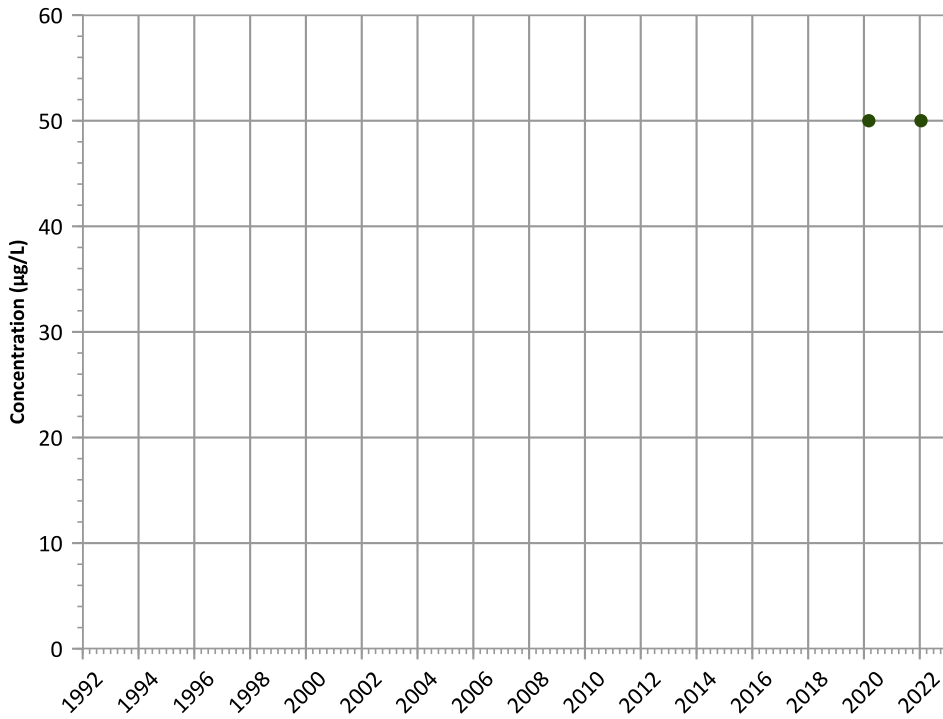
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

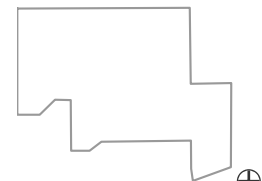
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

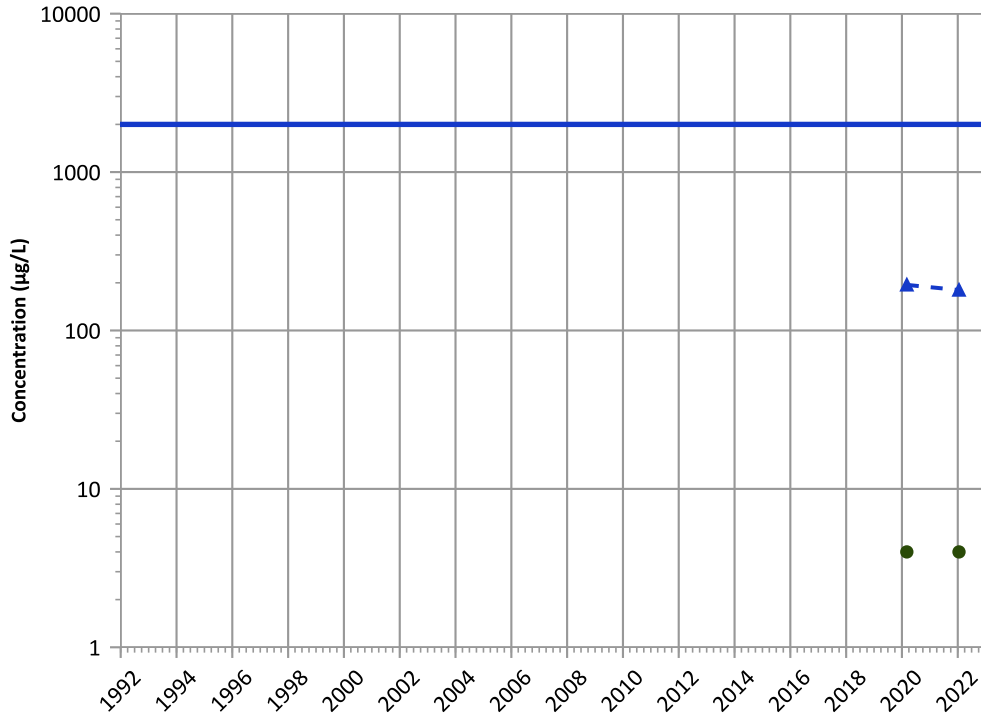
Data Date Range: 01/09/2019 to 07/26/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

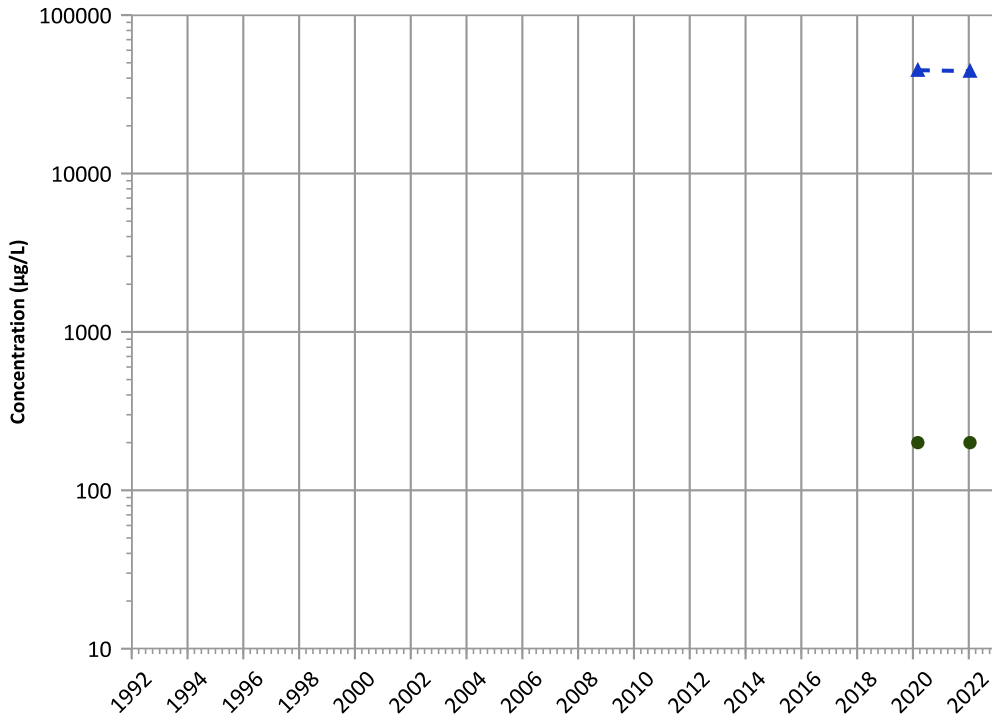
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

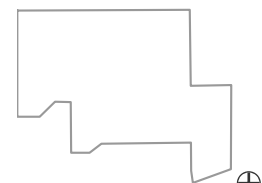
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

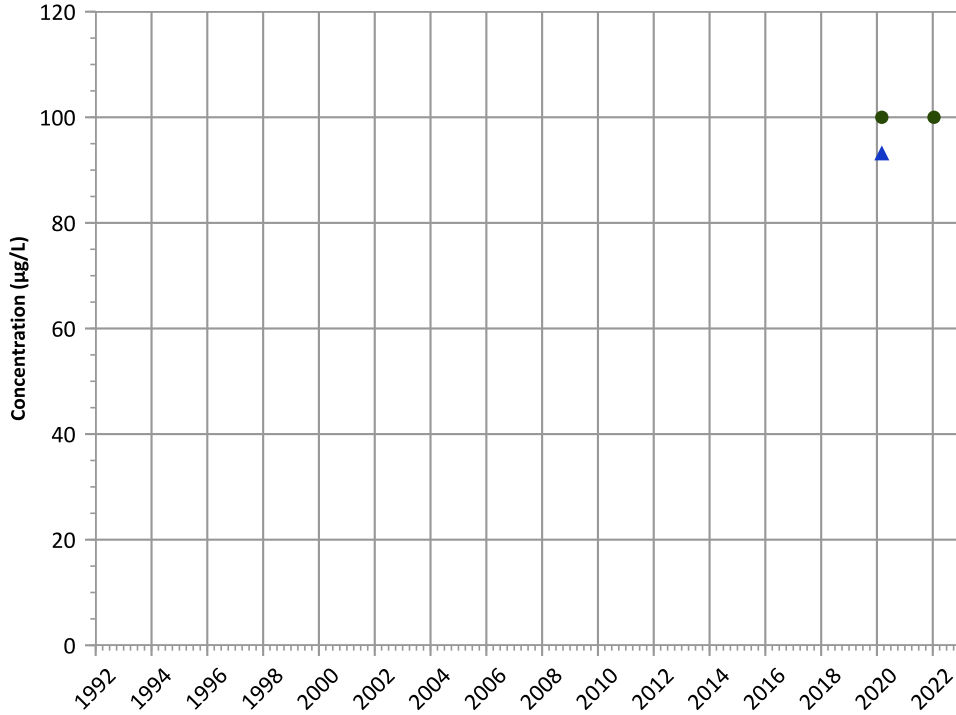


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

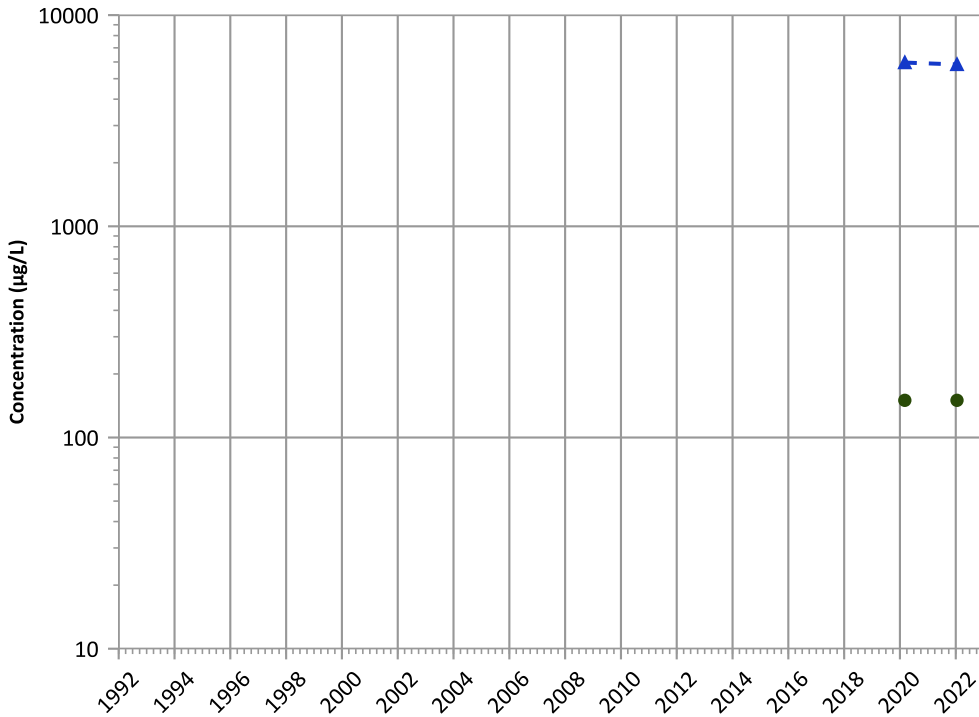


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

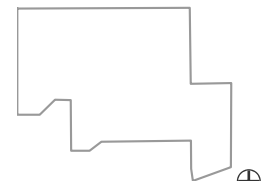


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

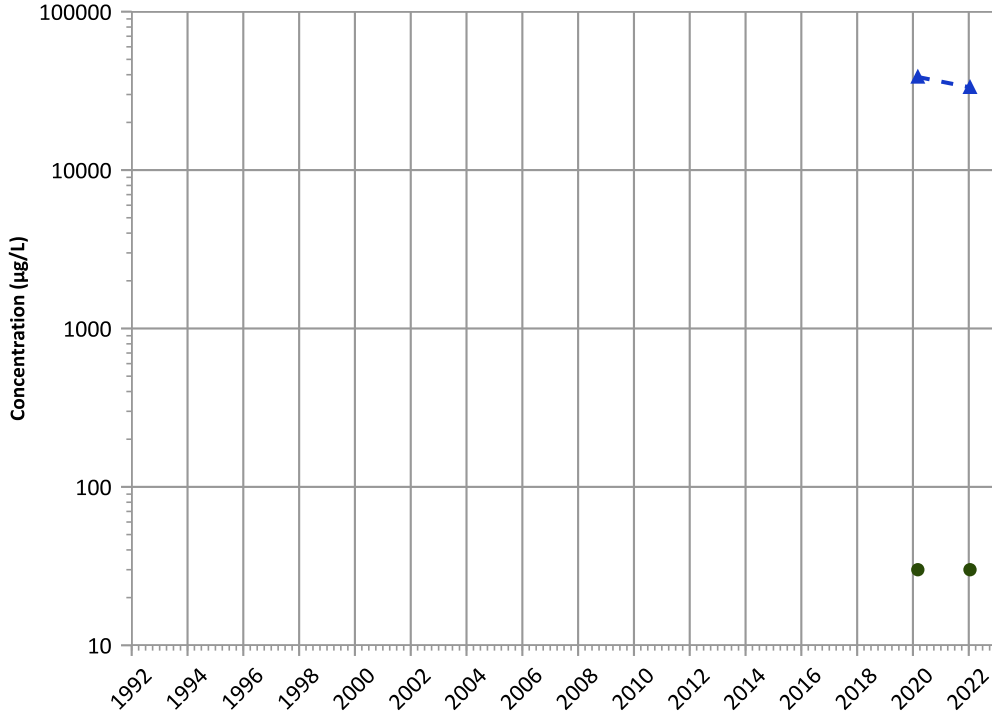


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1200 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

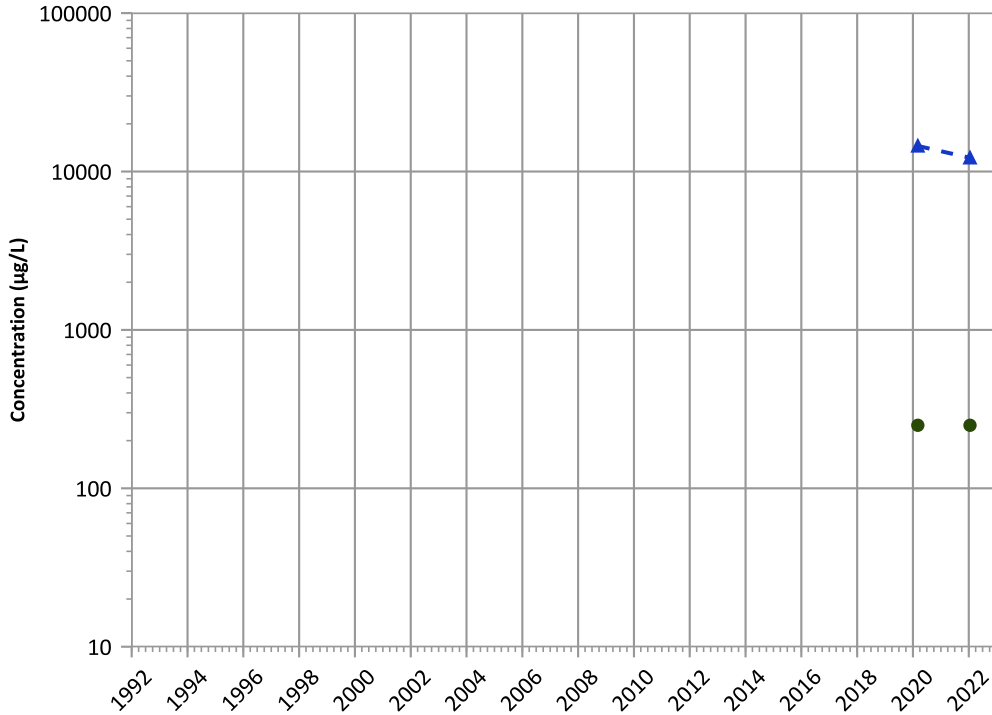


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

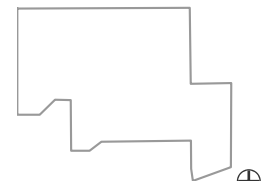


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

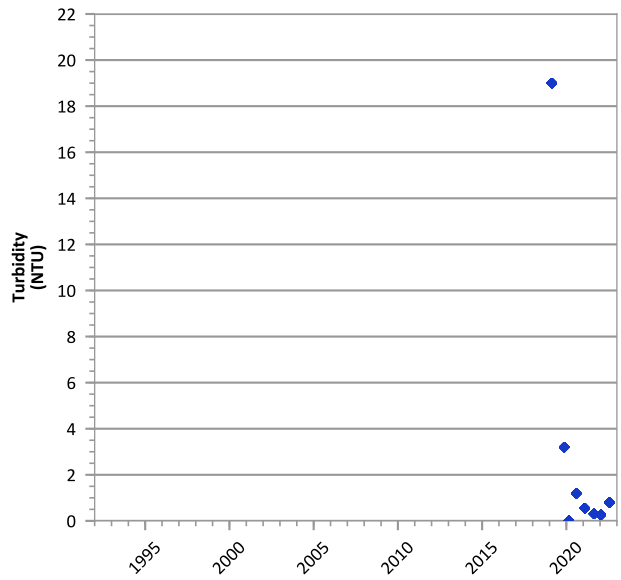
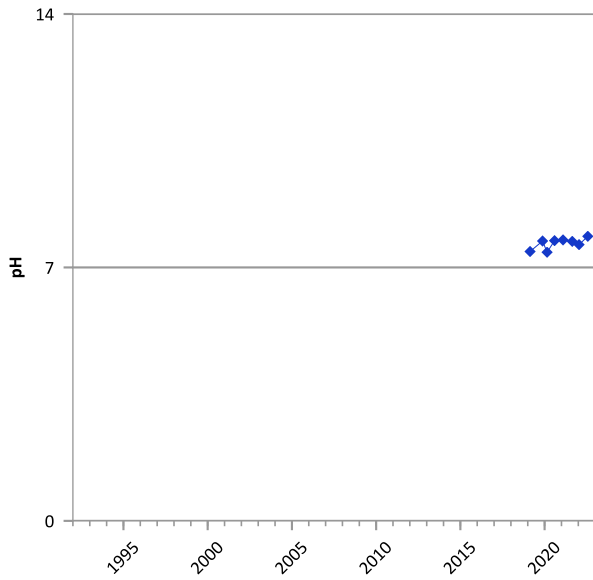
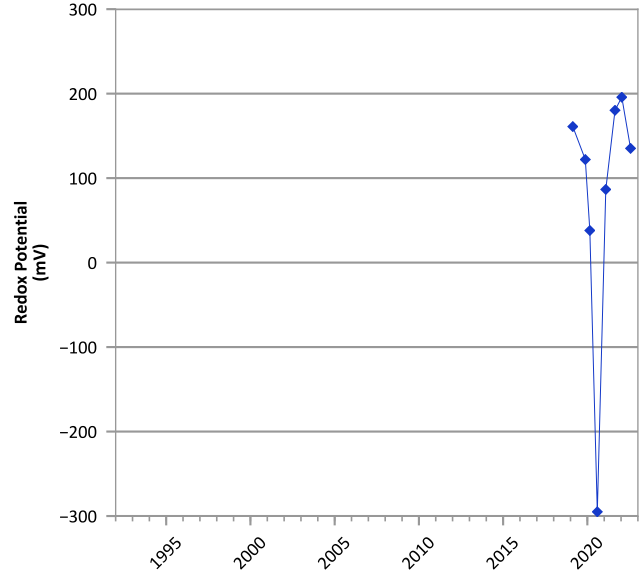
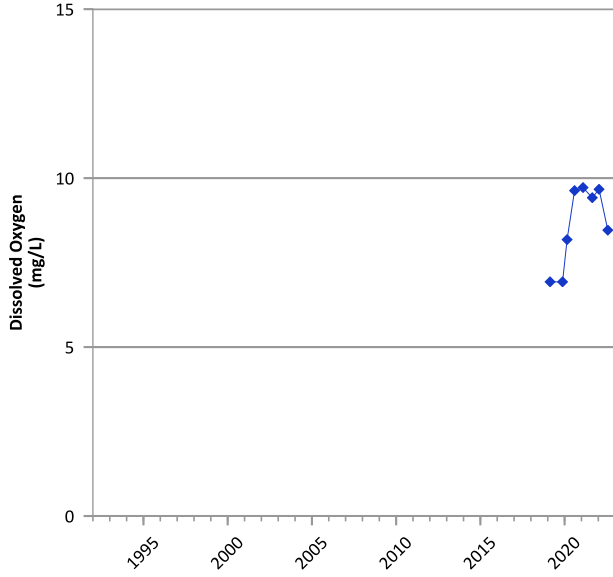


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/09/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

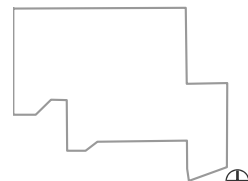


**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



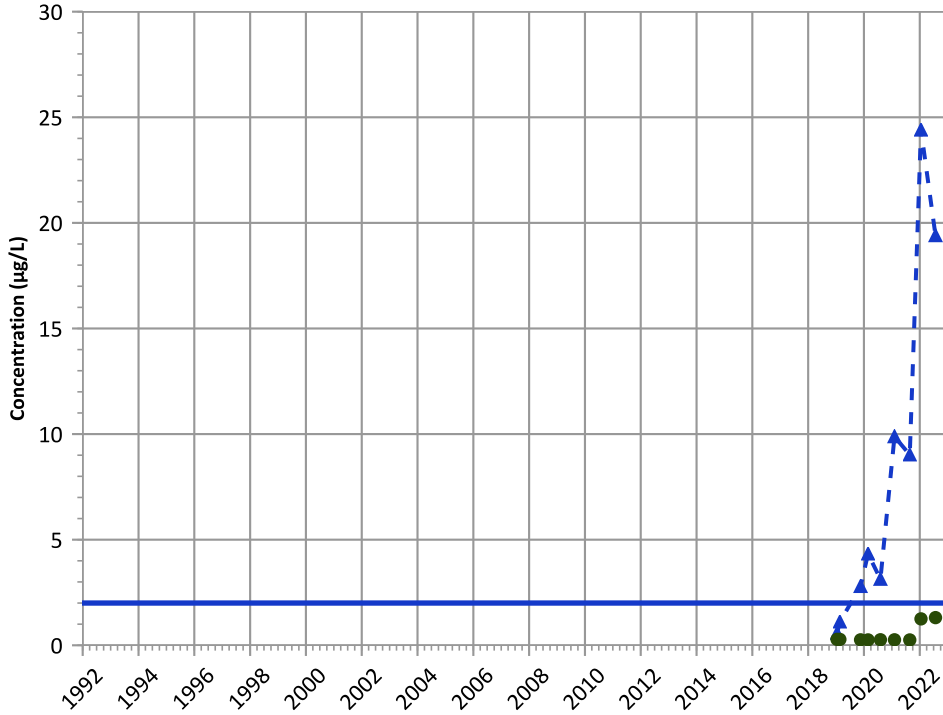
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/14/2019 to 07/26/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

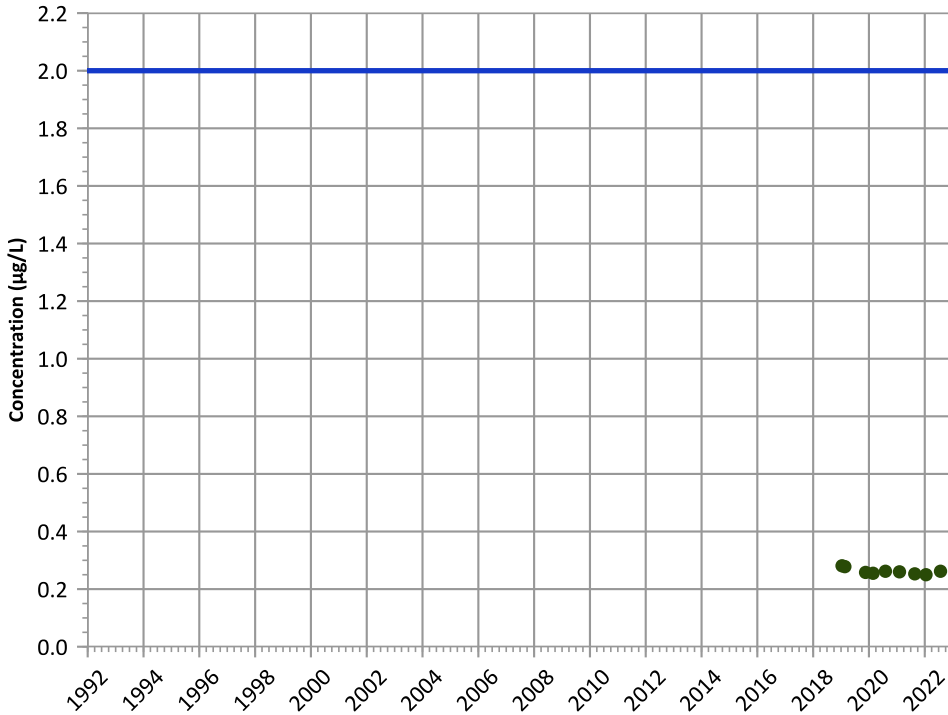


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

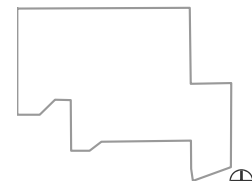
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

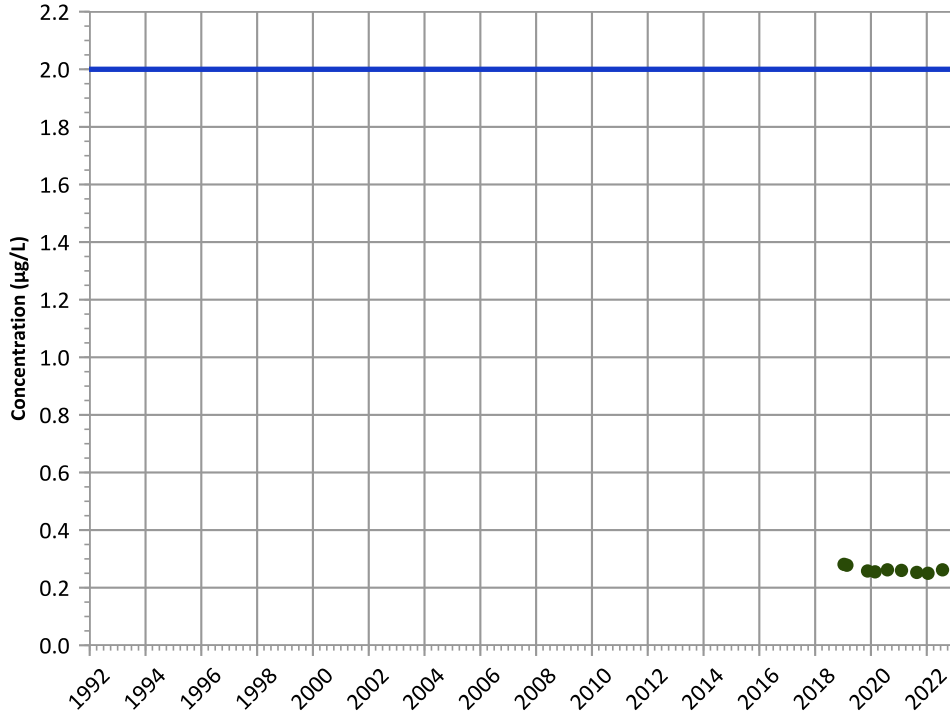
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

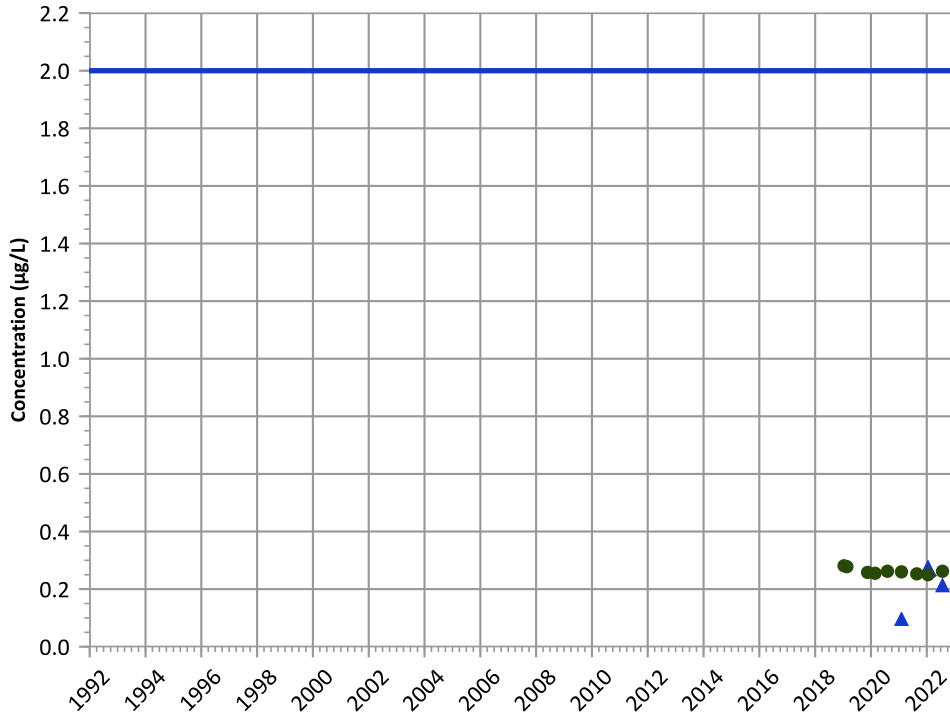


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

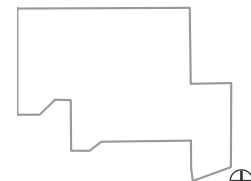
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

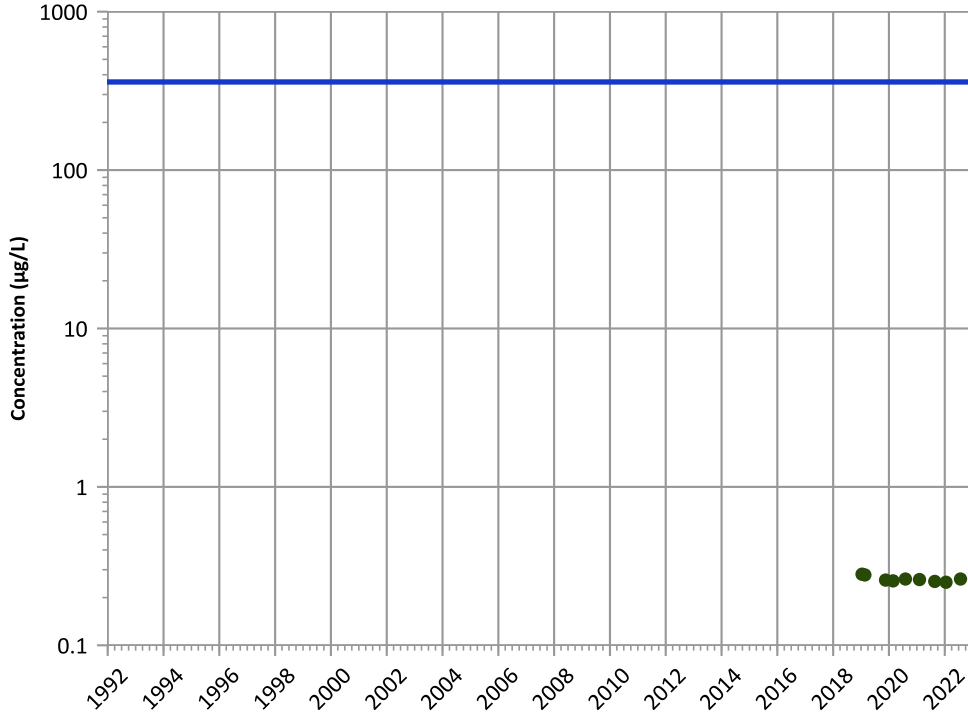
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

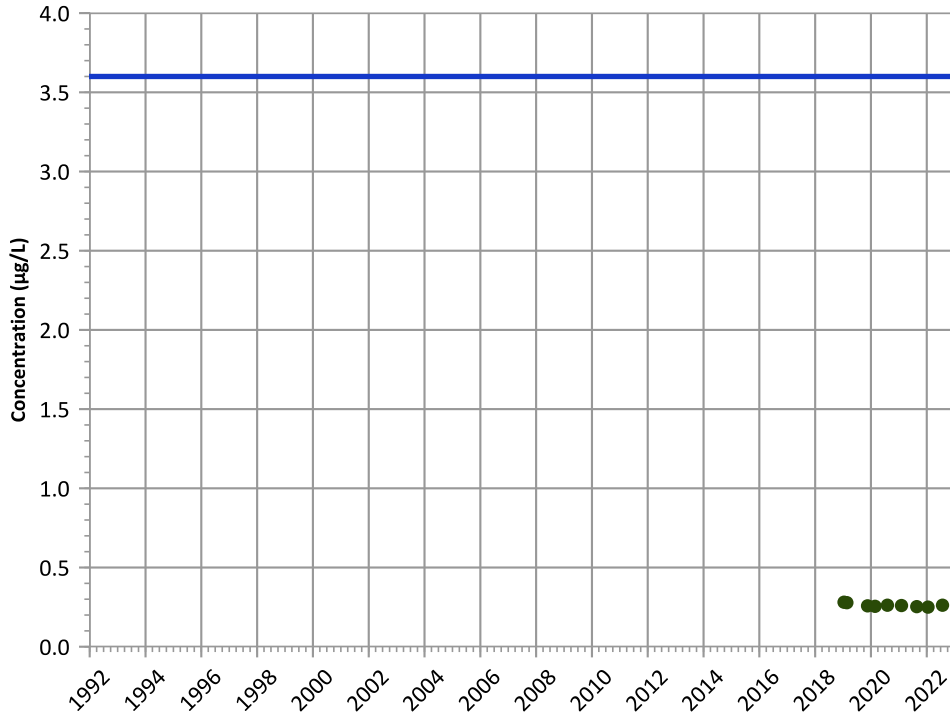


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

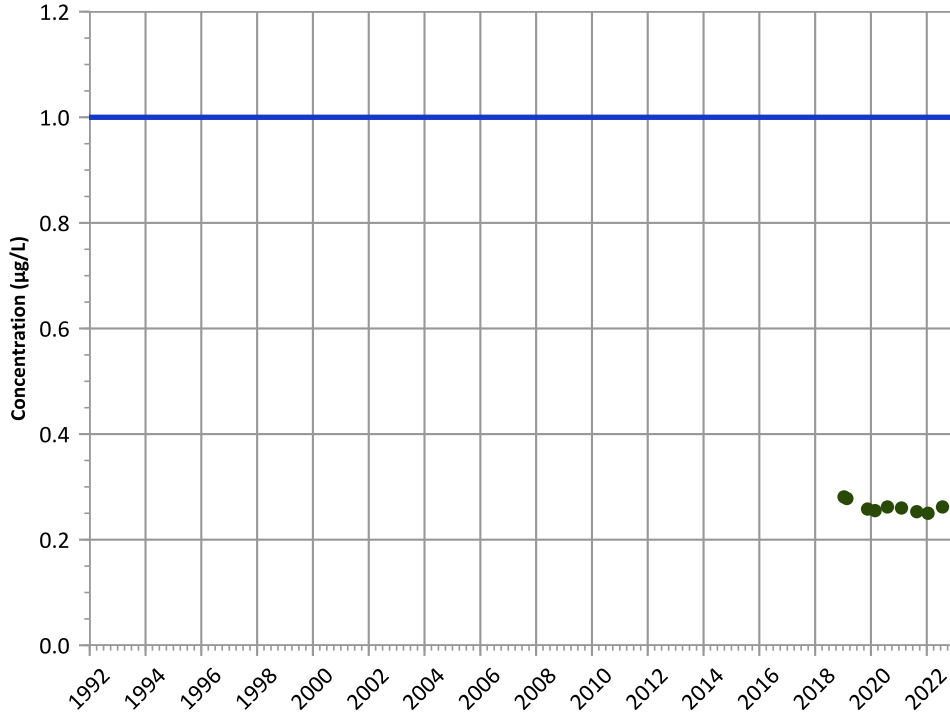
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

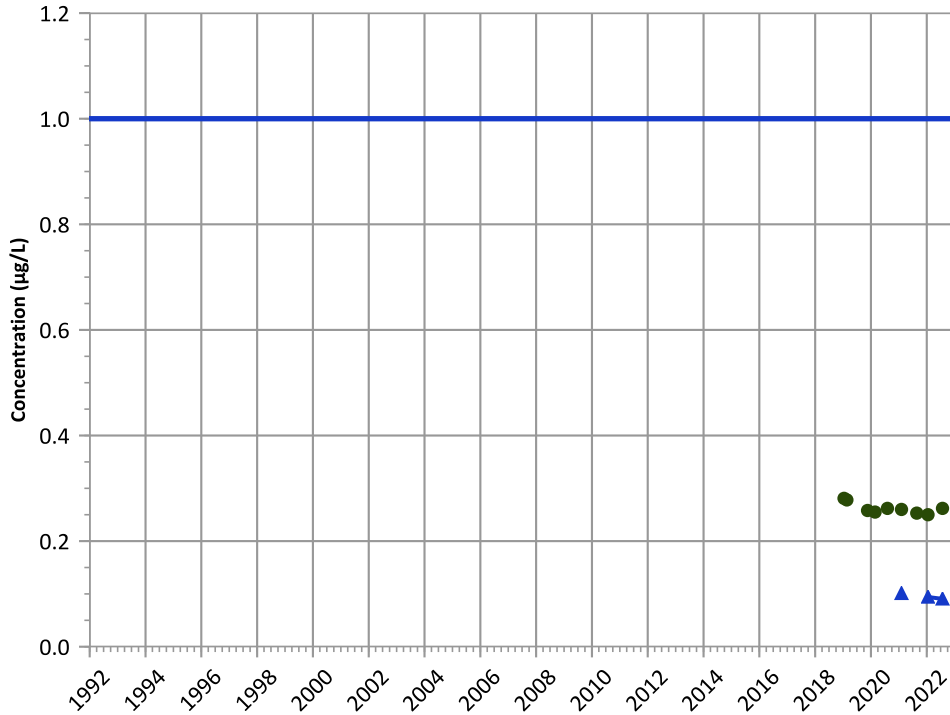


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

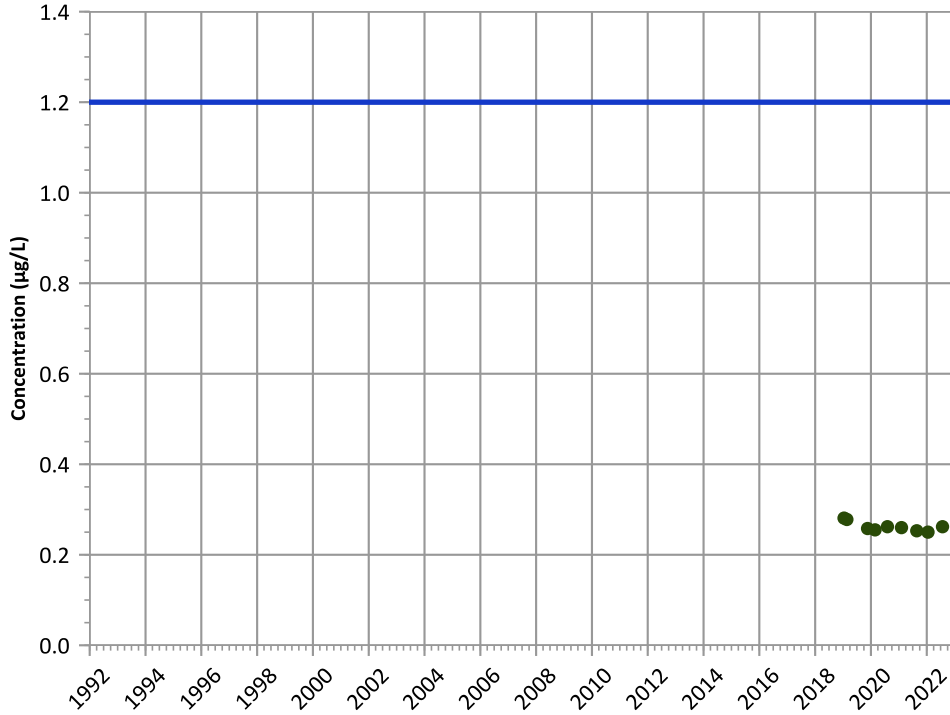


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

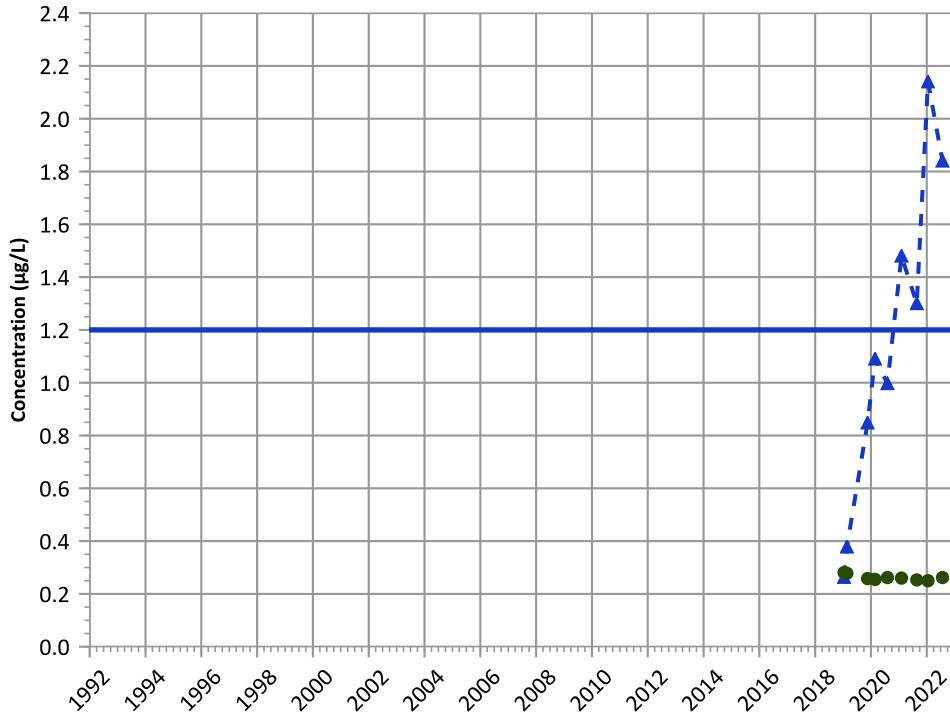
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

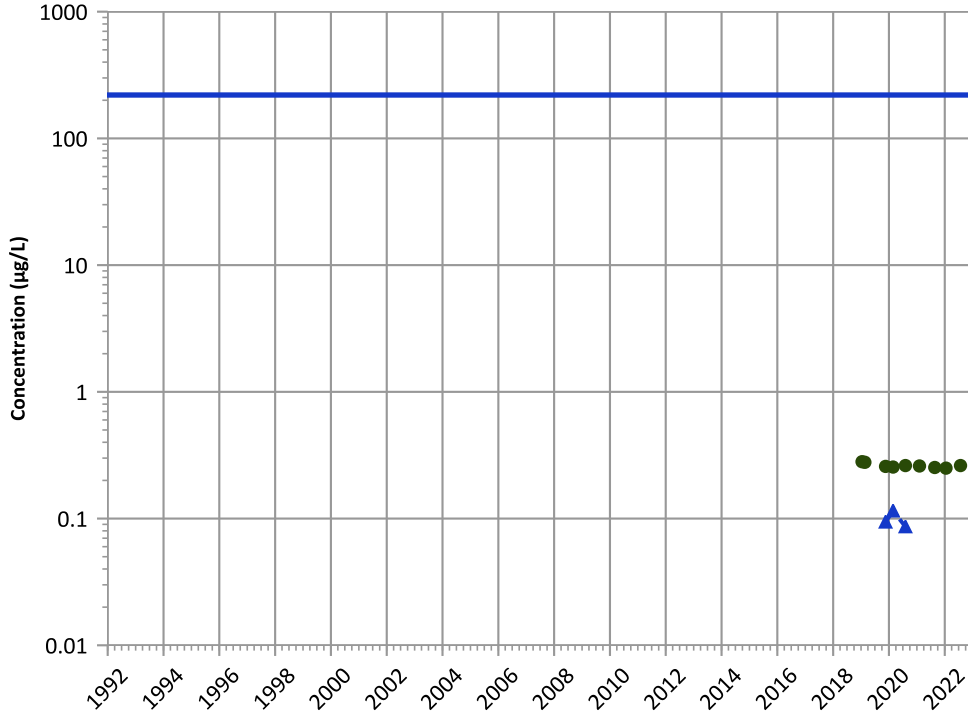
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

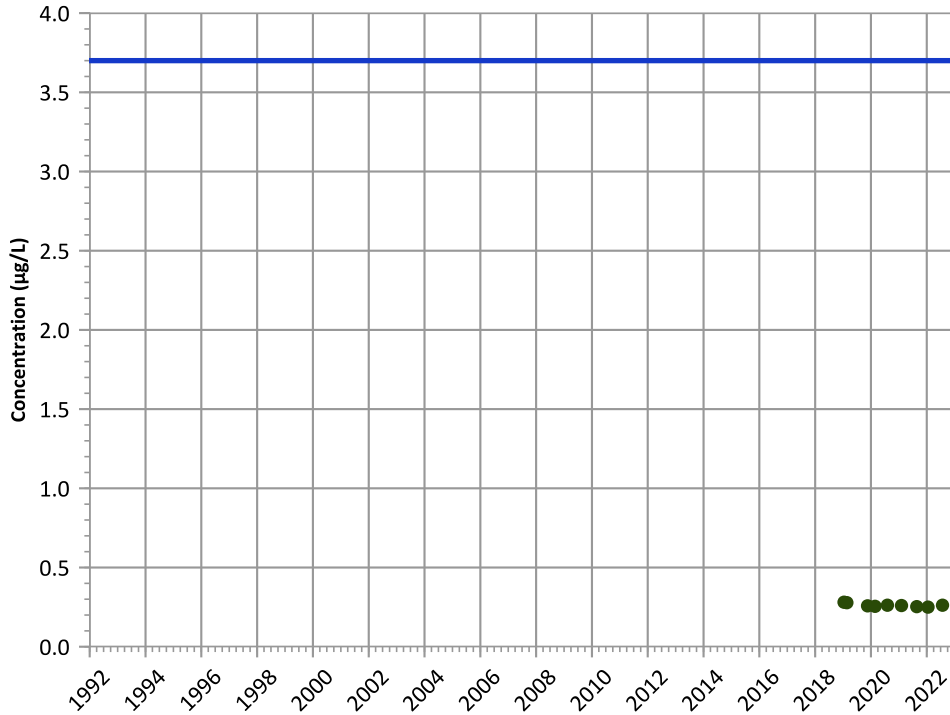


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

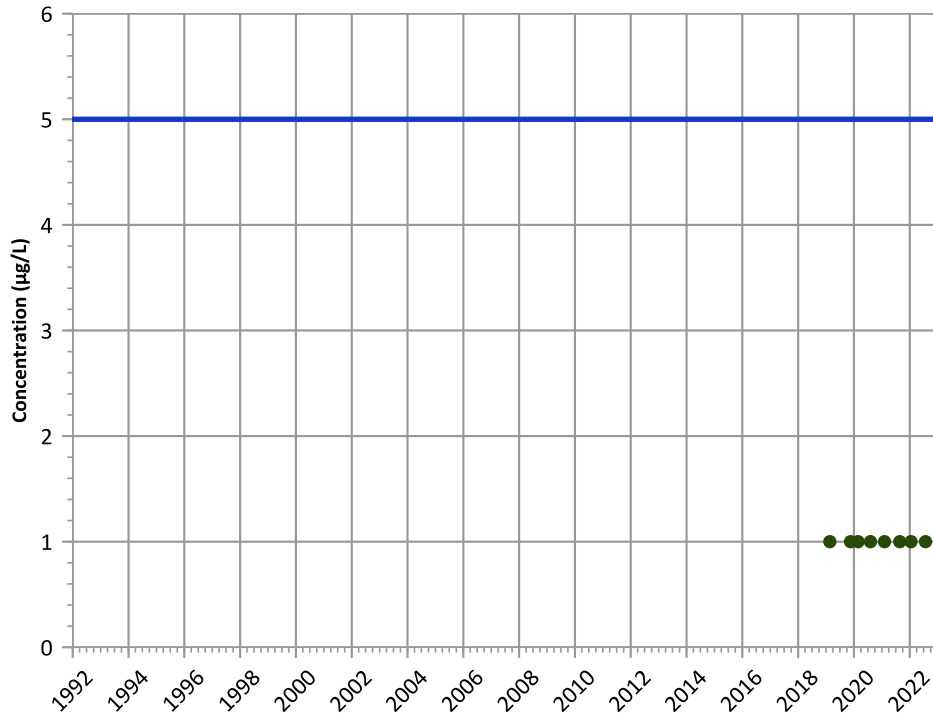
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

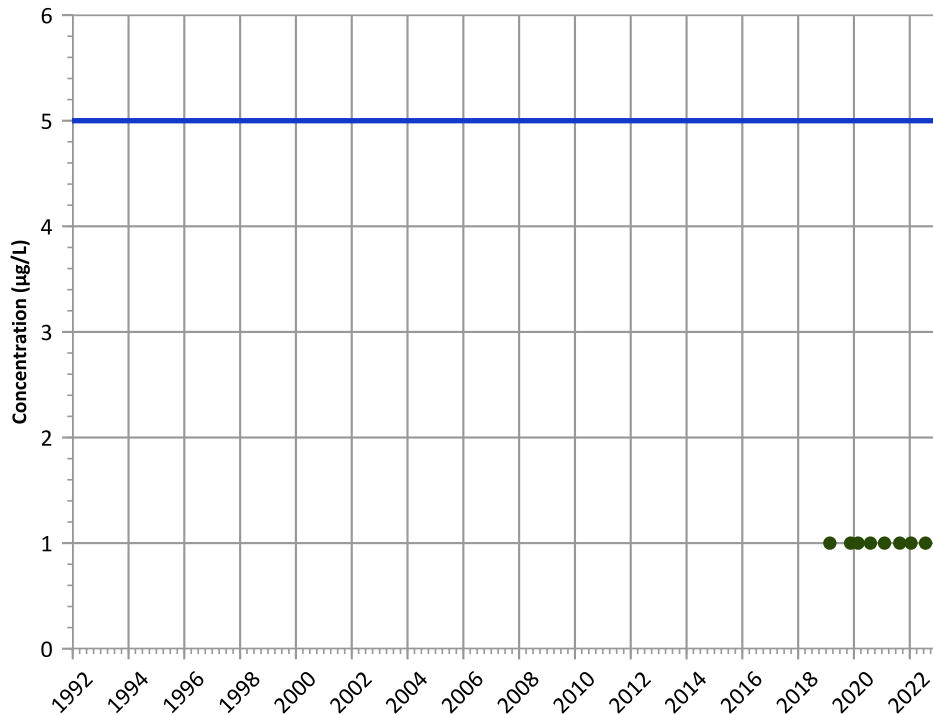
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

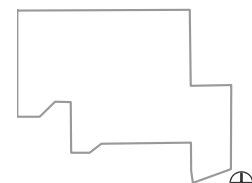
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

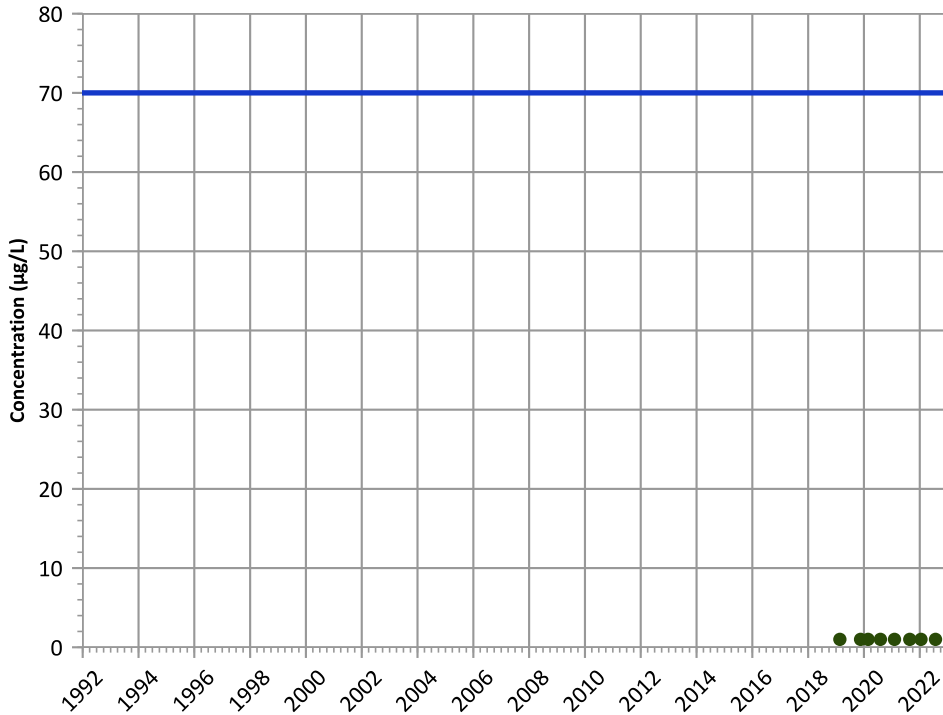


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard



**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

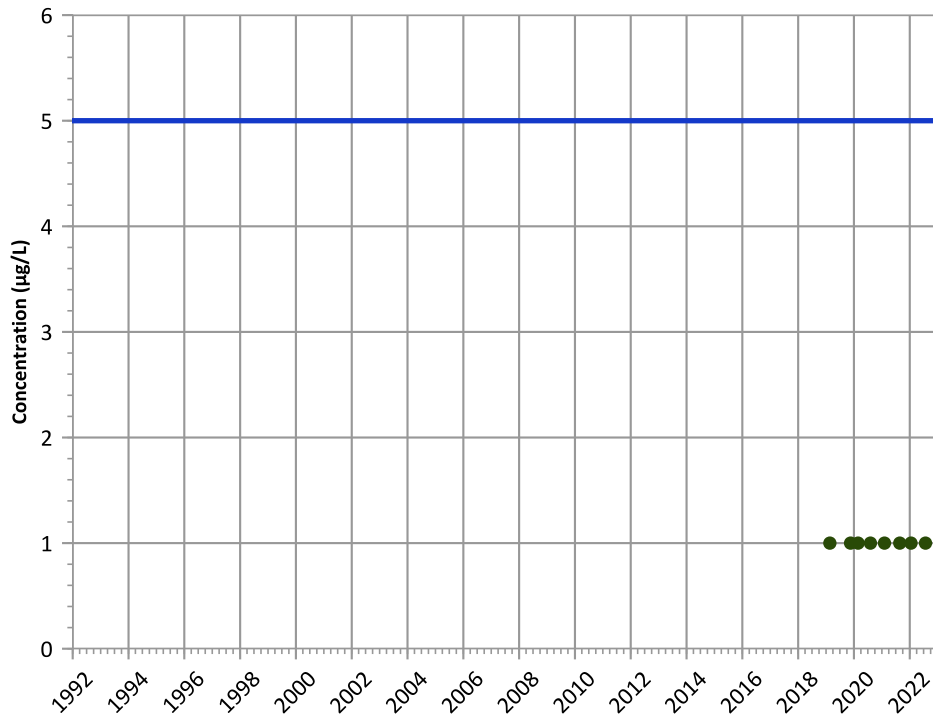
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

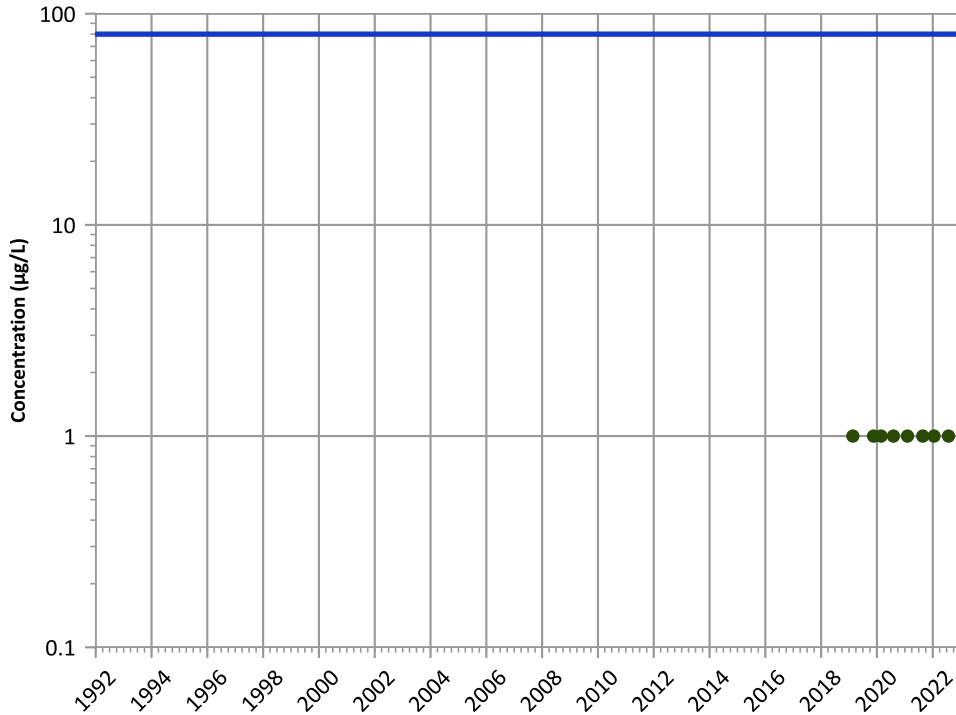
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

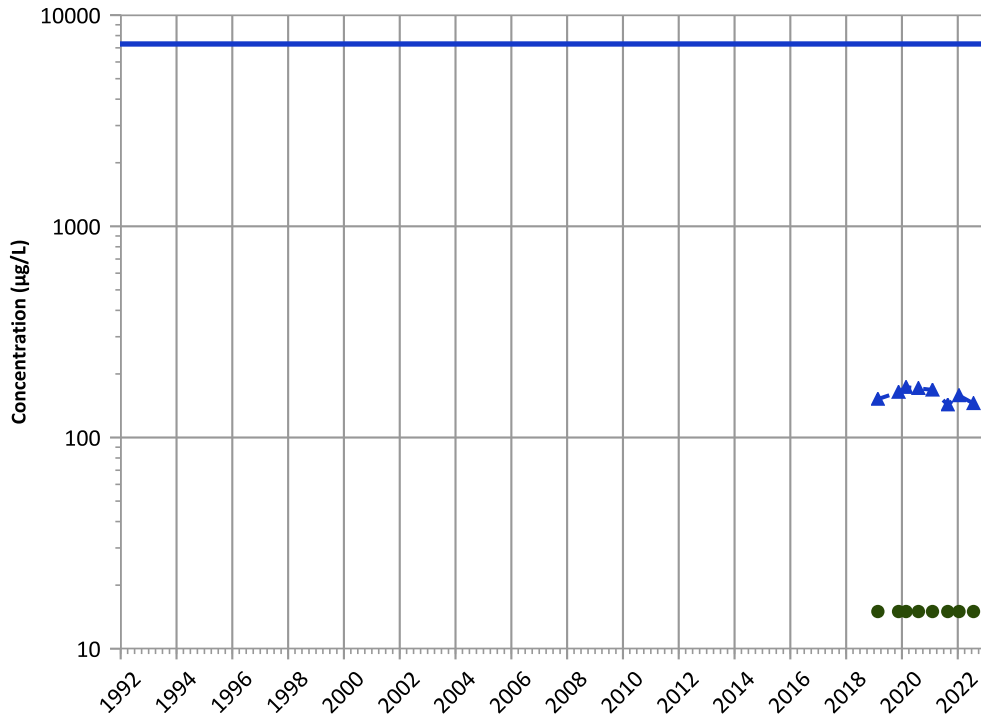


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

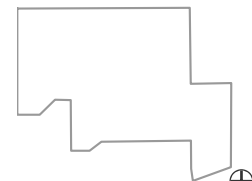


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

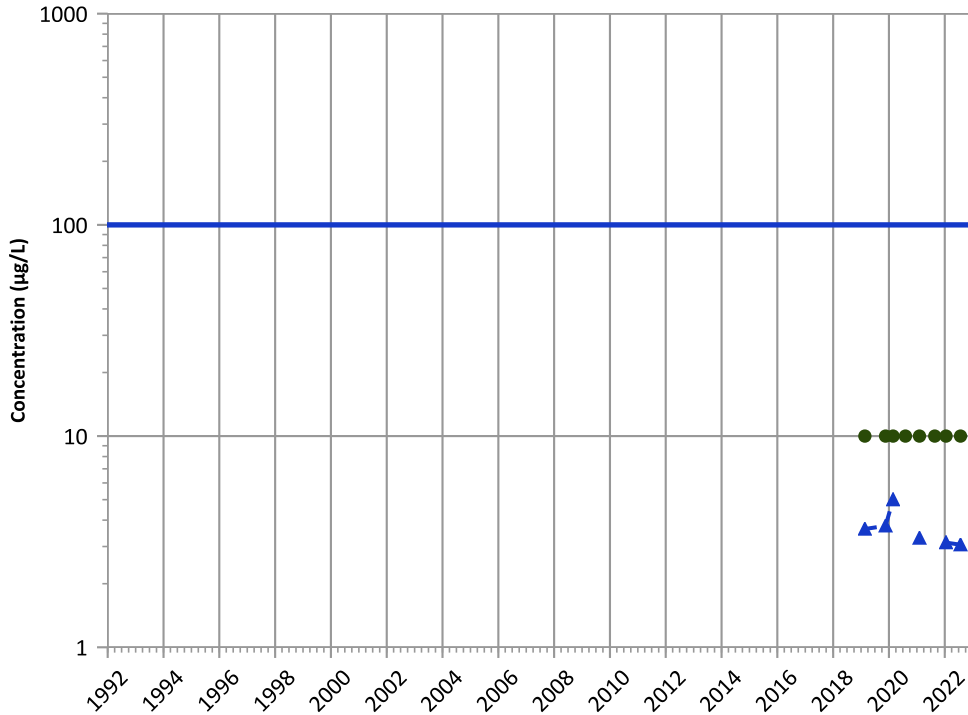
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

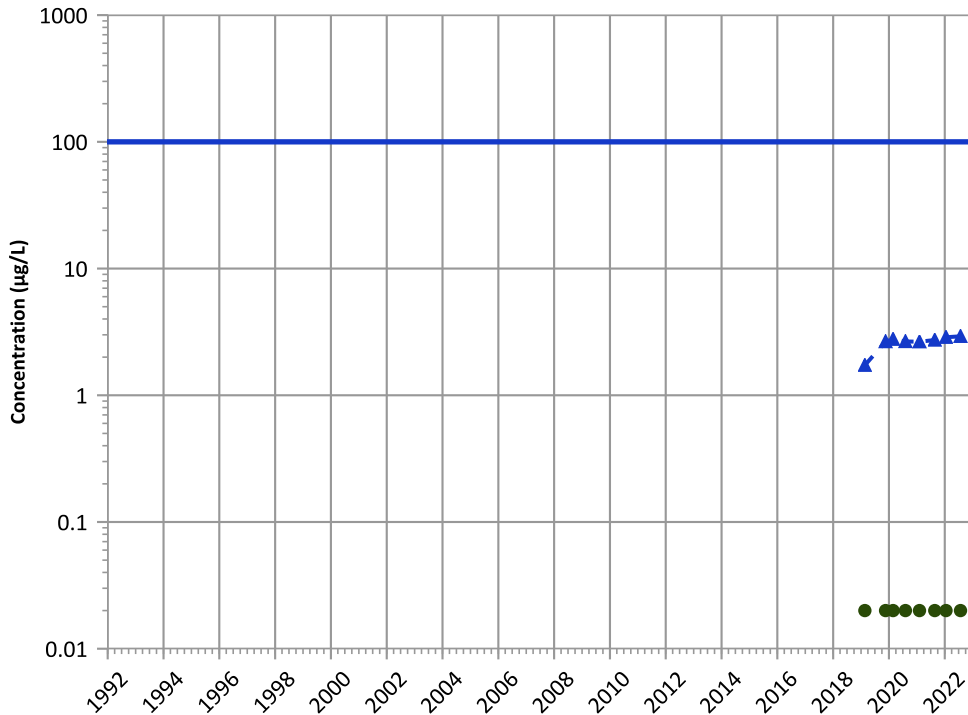


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

**Chromium, Hexavalent Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

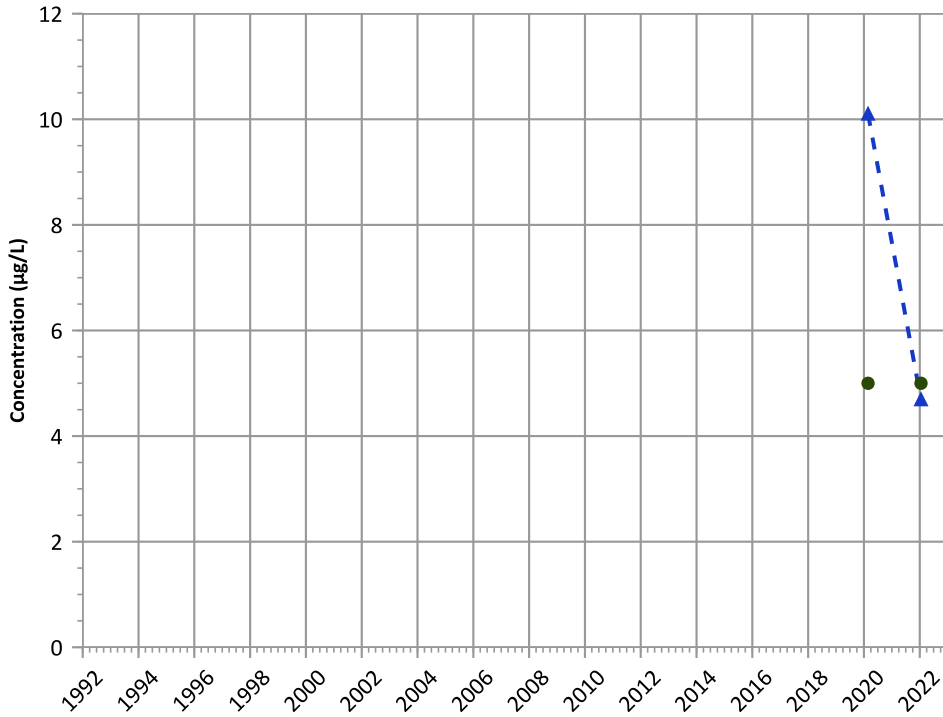
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend**

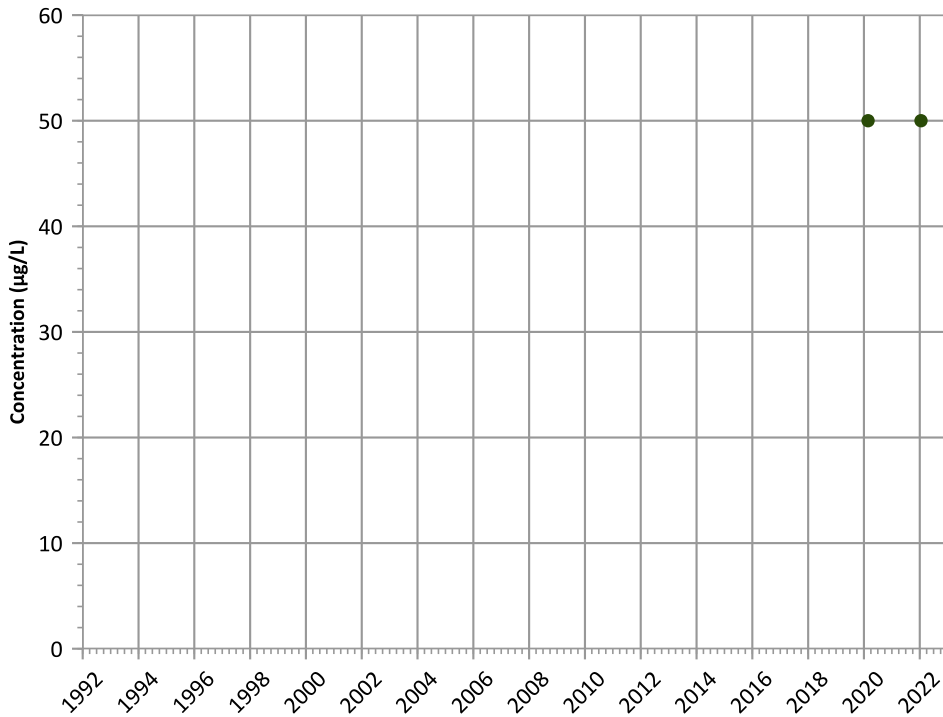


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Aluminum Trend**

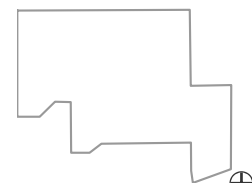


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

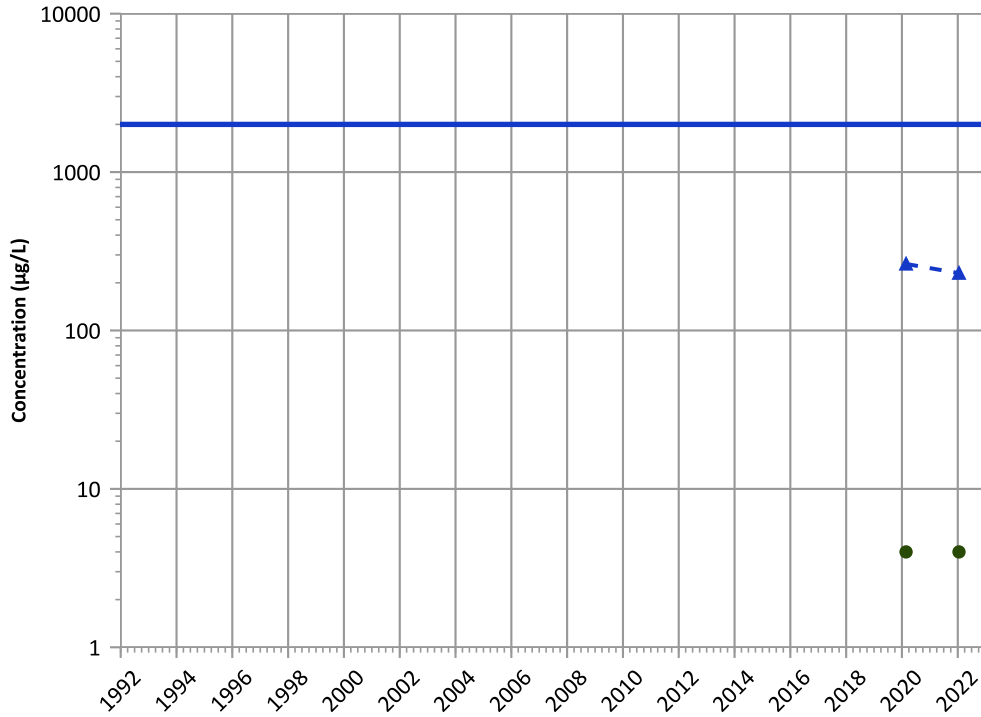


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

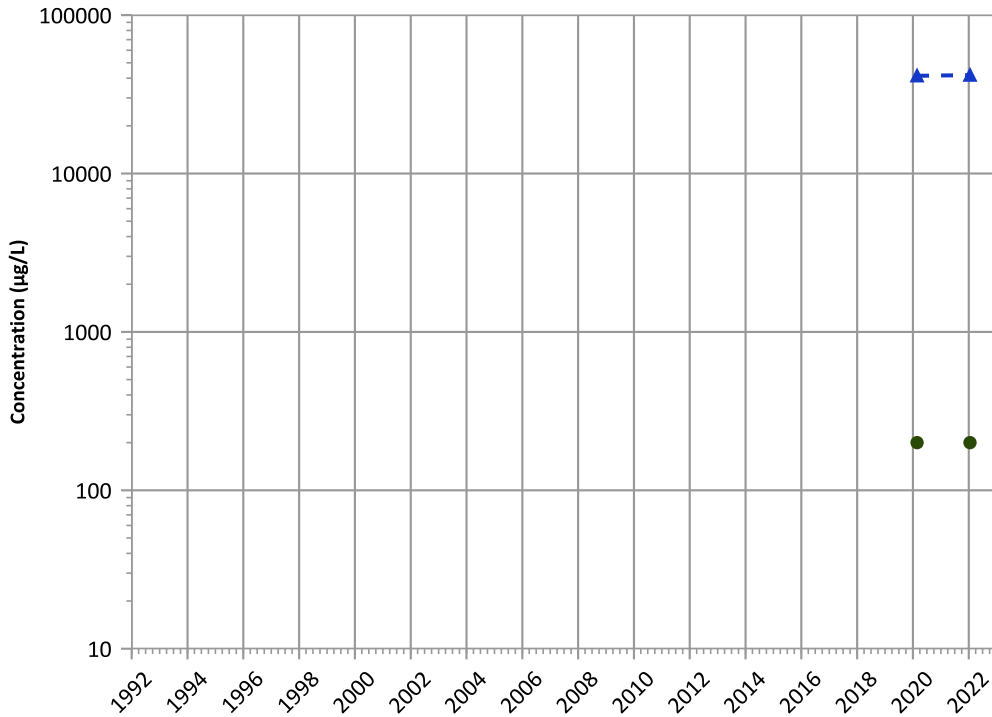


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

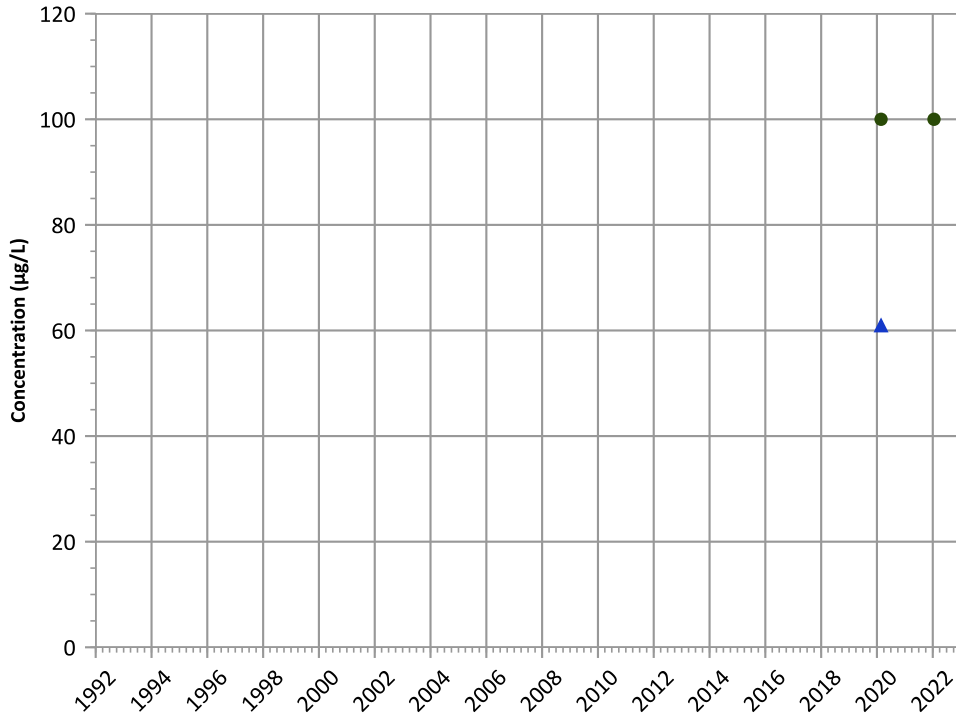


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

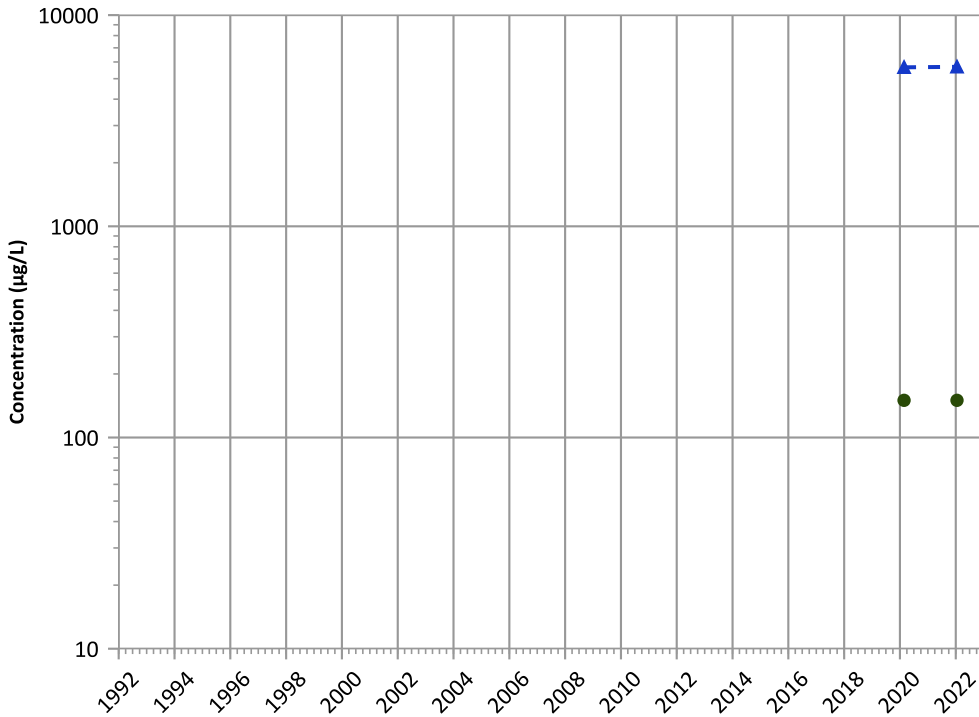


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

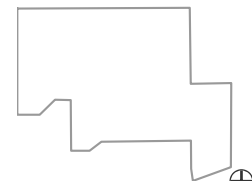


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

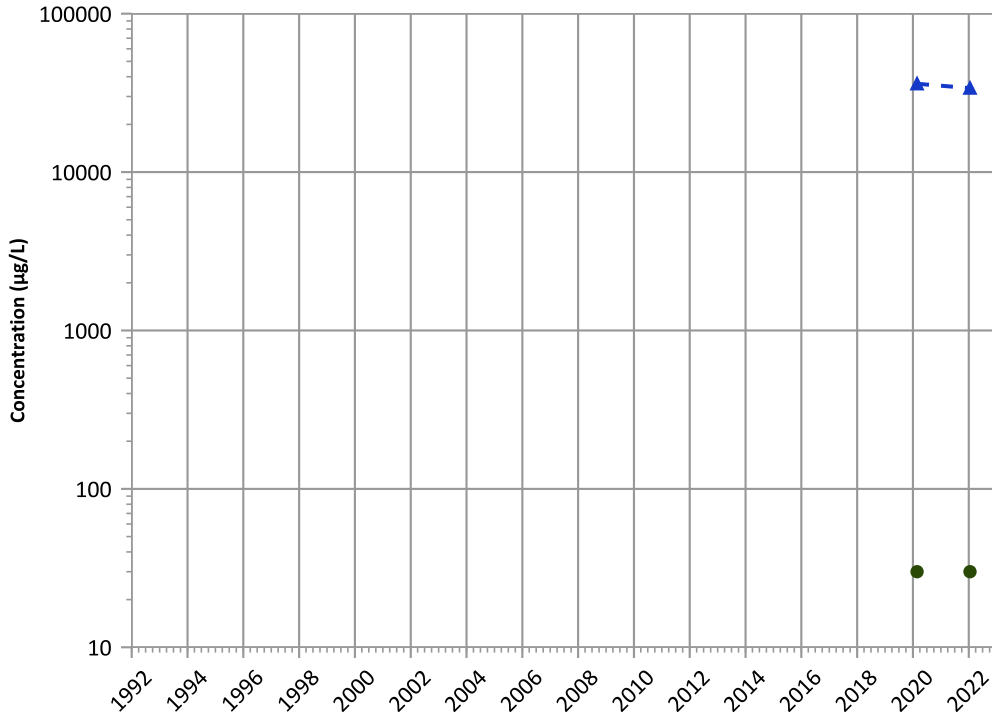


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1201 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

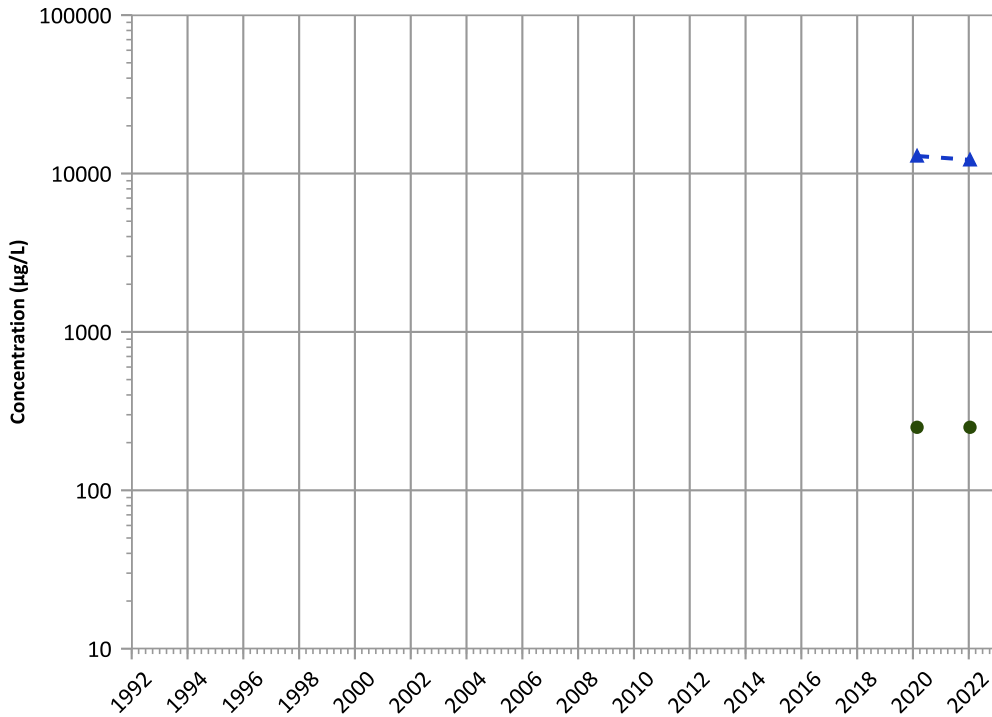


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

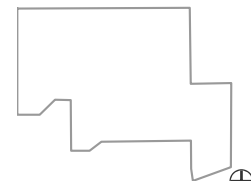


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

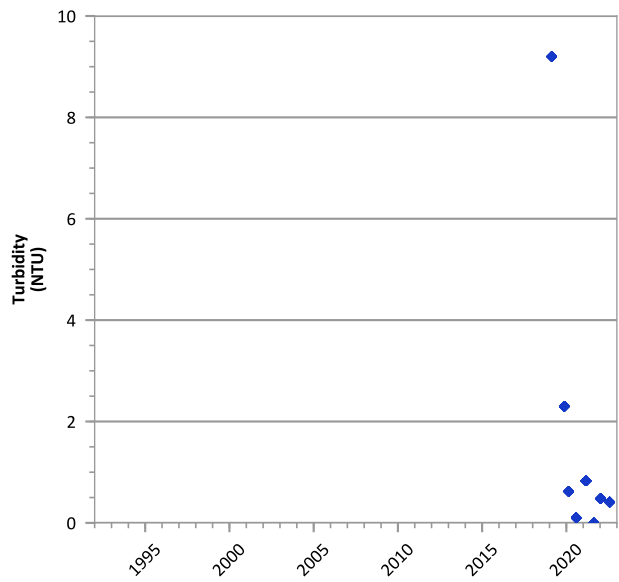
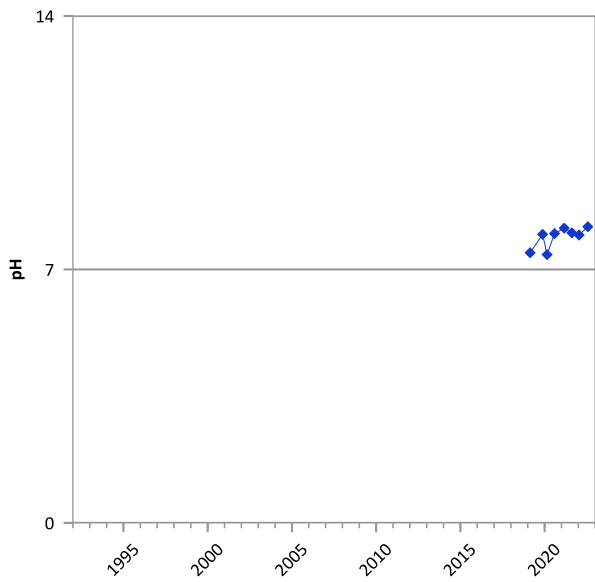
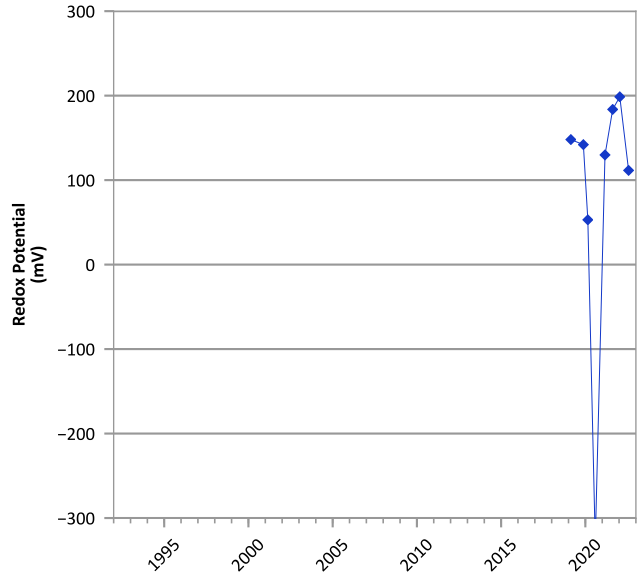
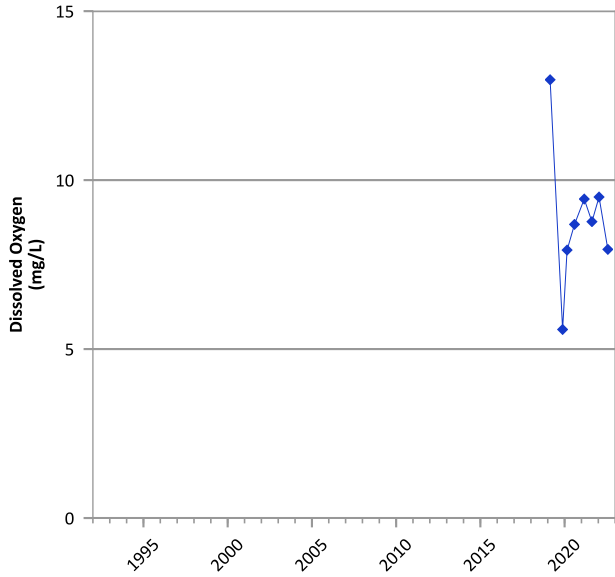
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/14/2019 to 07/26/2022  
Analysis Date: 04/27/2023

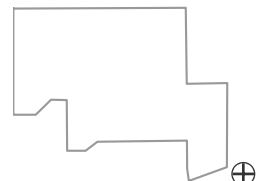
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/15/2019 to 07/27/2022  
 Analysis Date: 04/27/2023

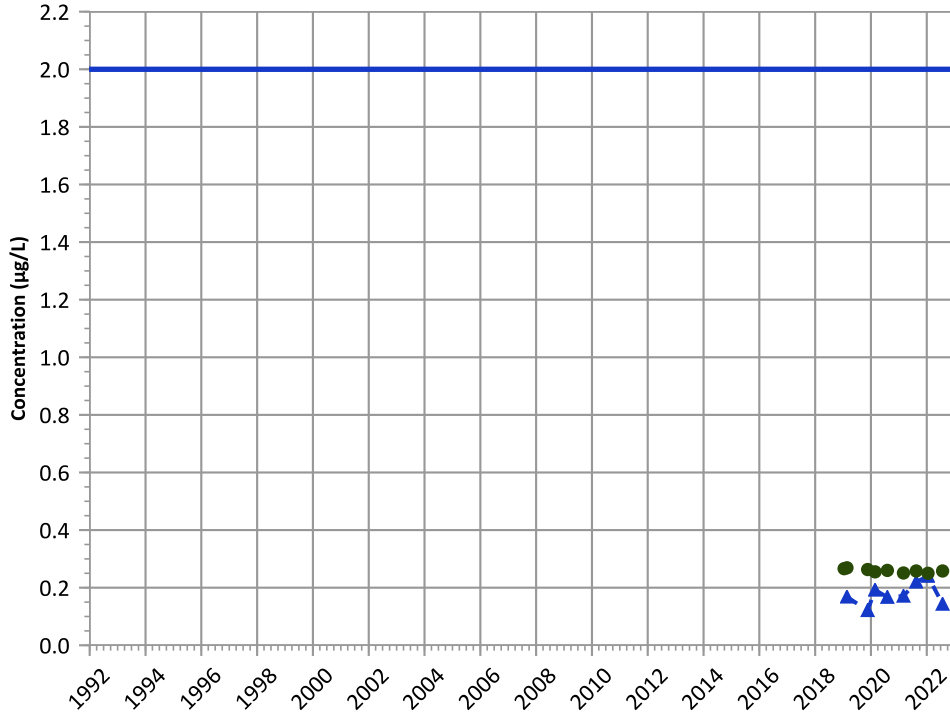
**Well Location**





PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

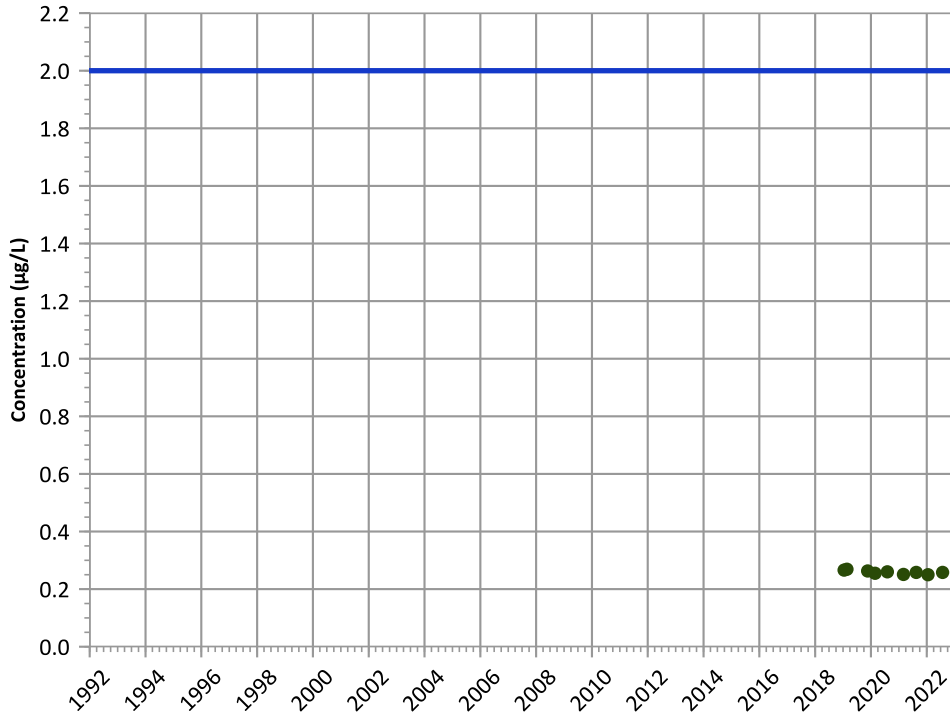
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

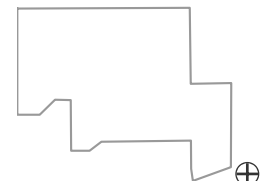
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

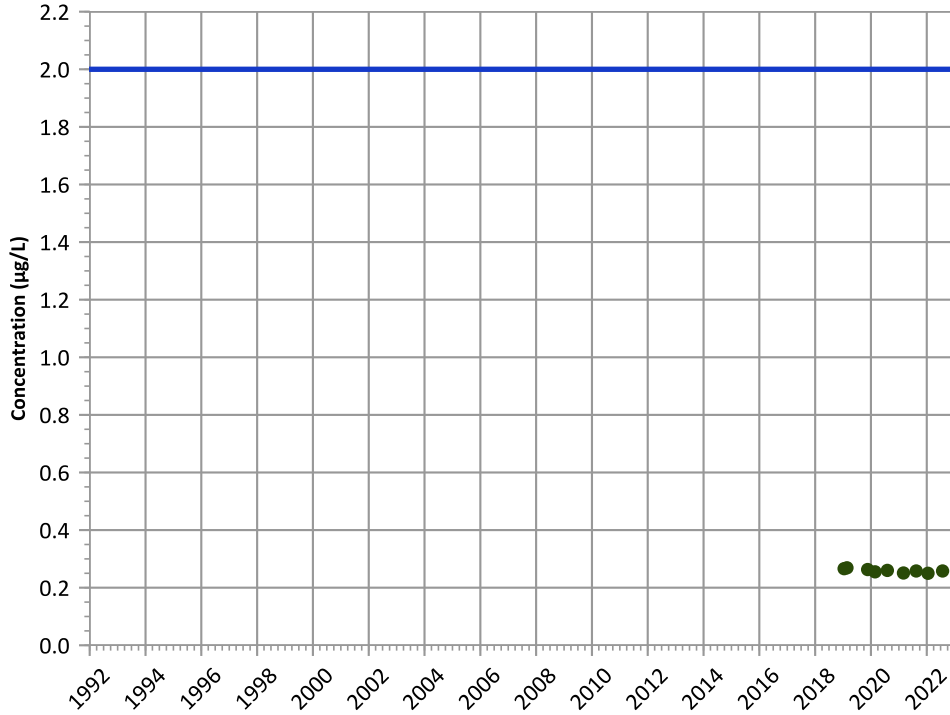
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

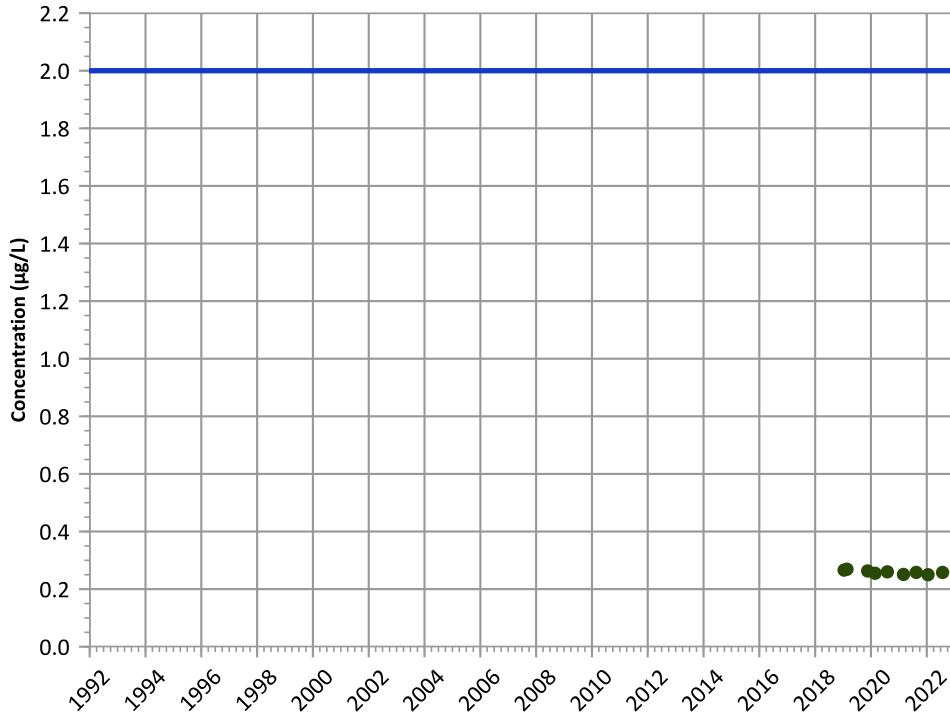


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

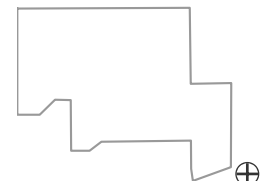


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

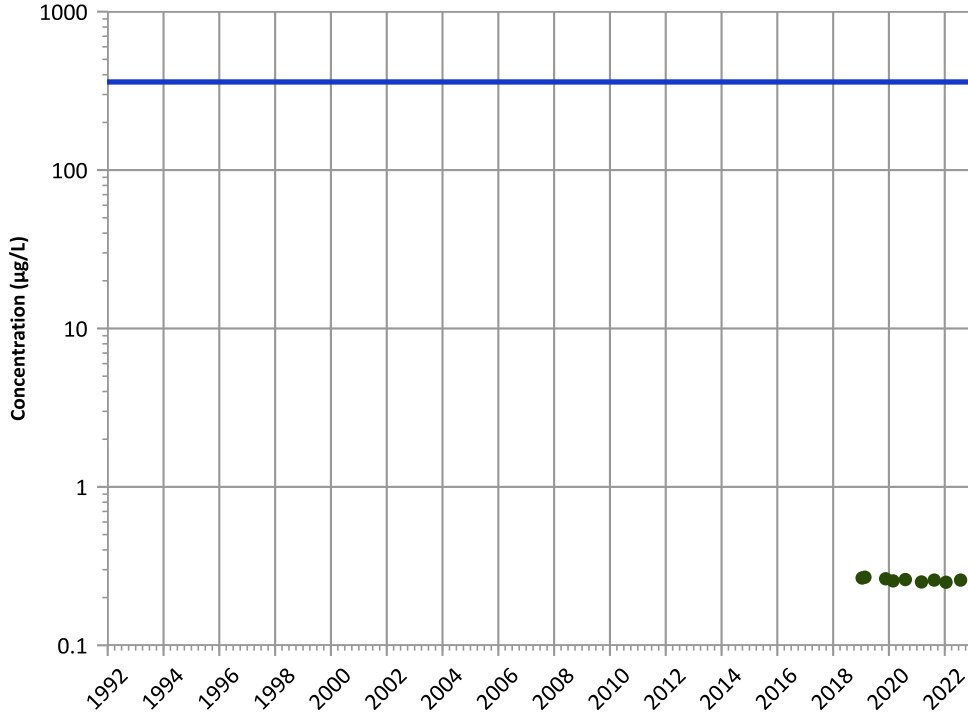


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

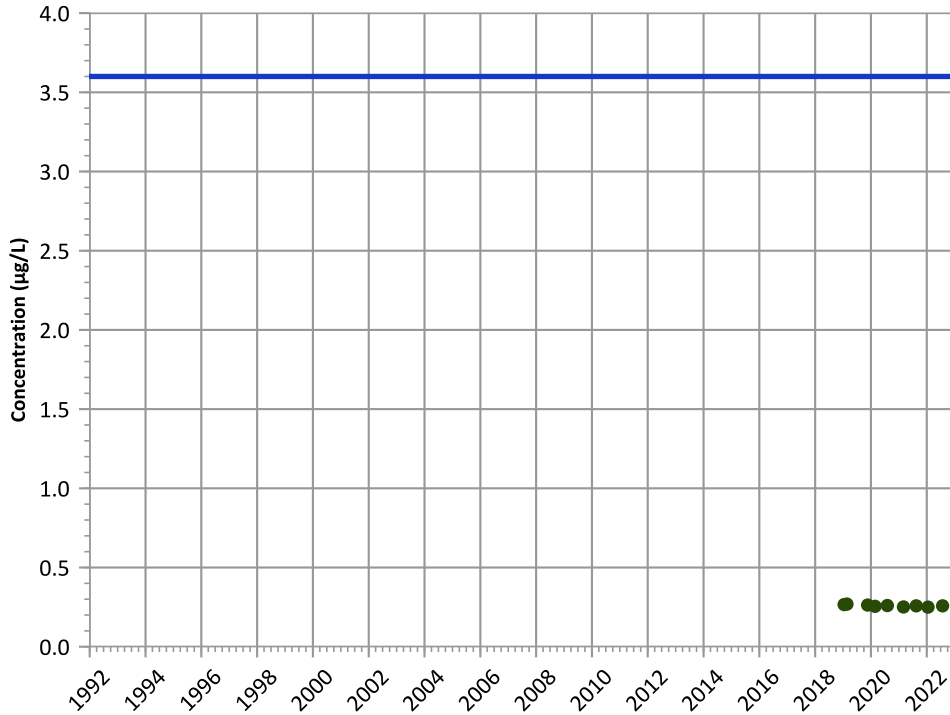


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

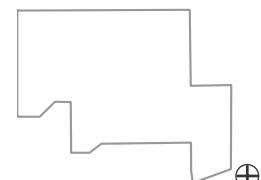
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

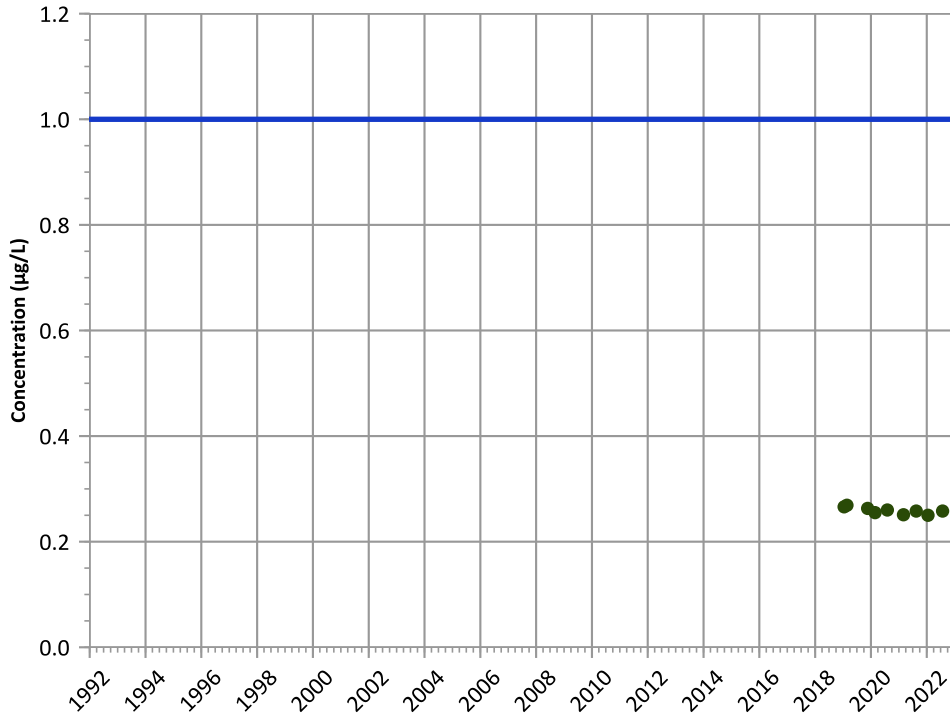
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

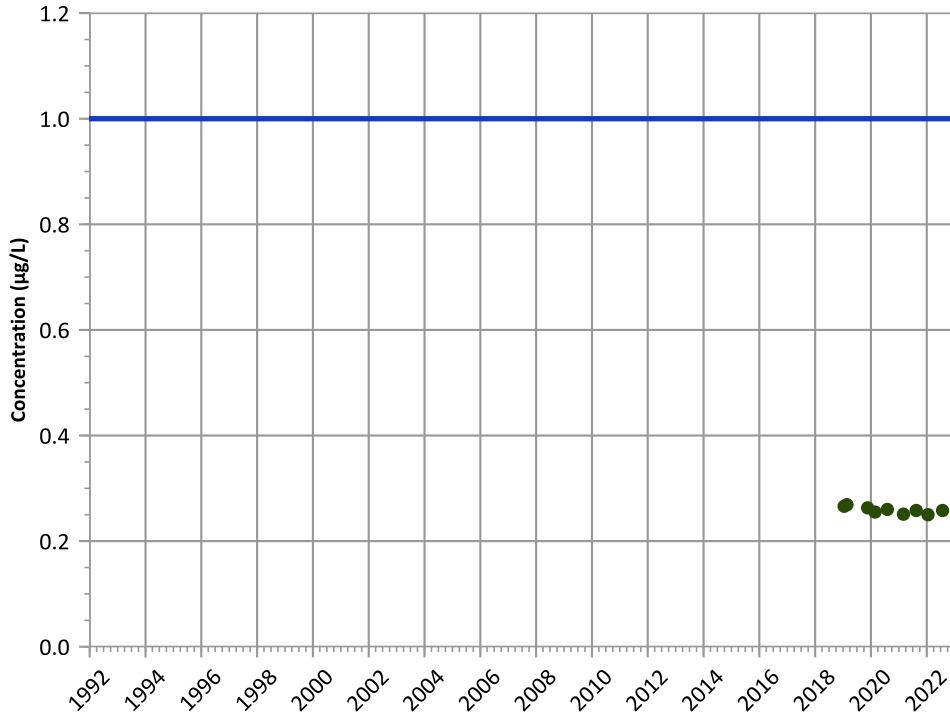
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

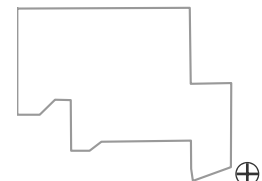
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

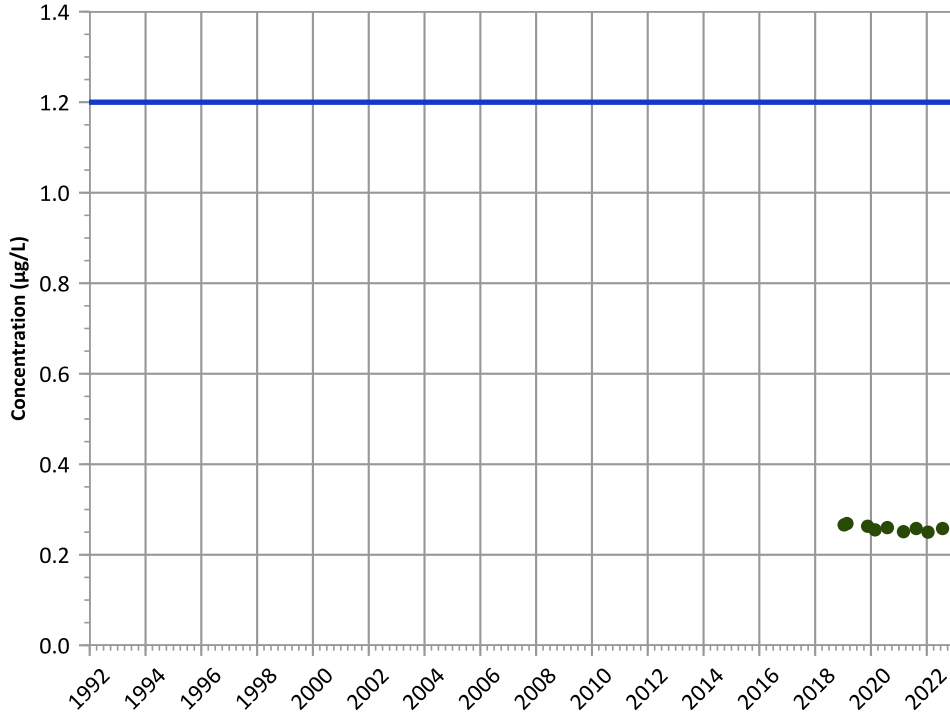


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

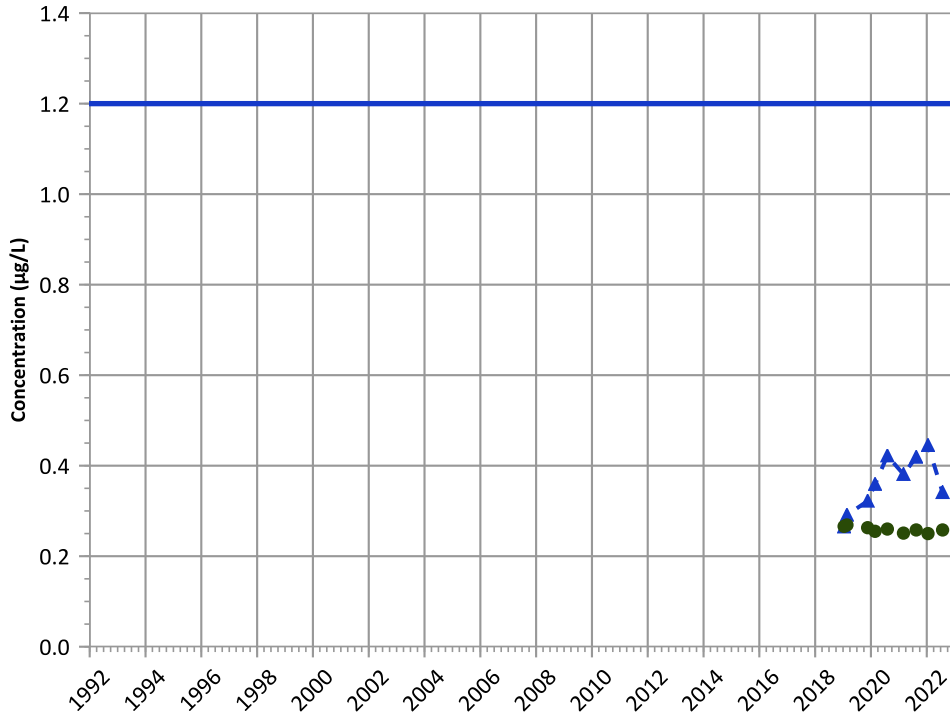
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

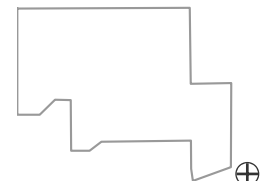
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Well Location

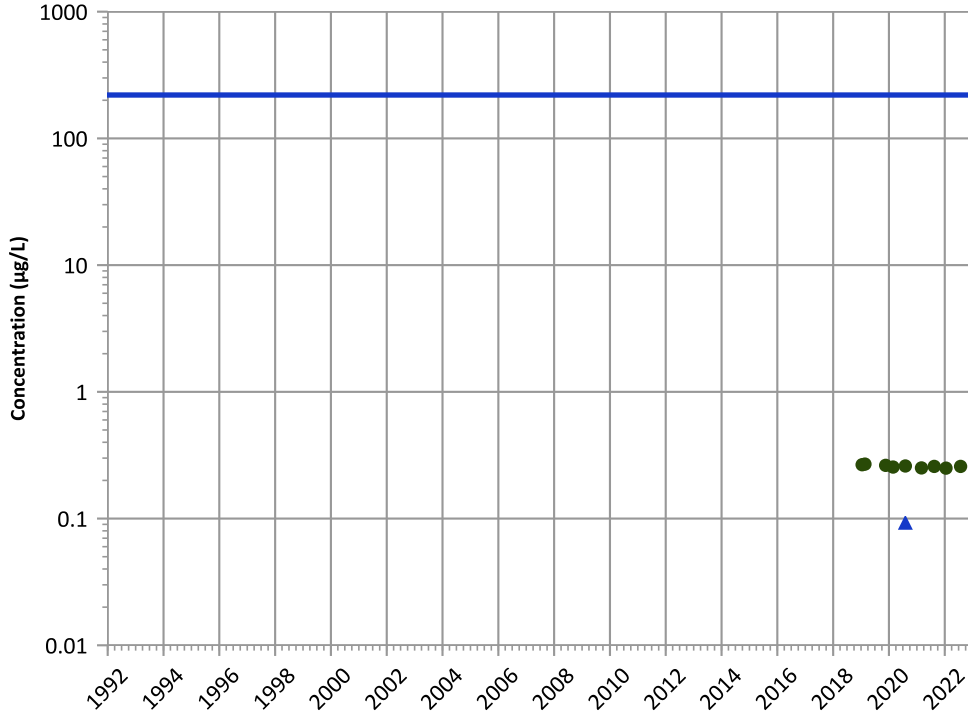


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

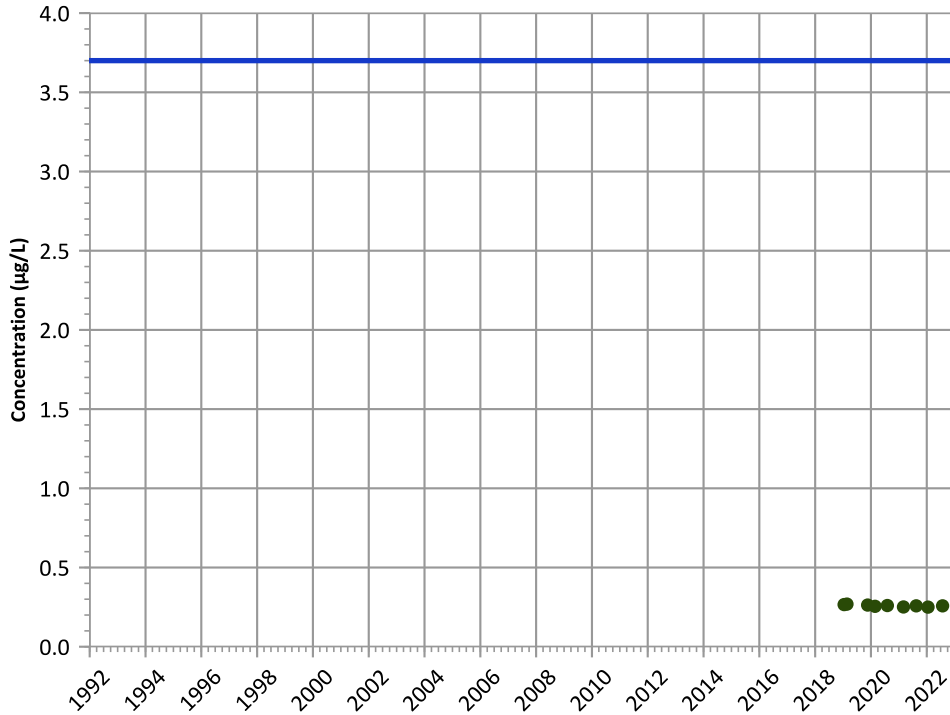


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

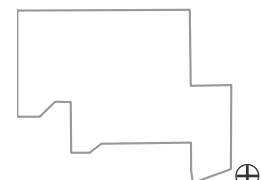
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

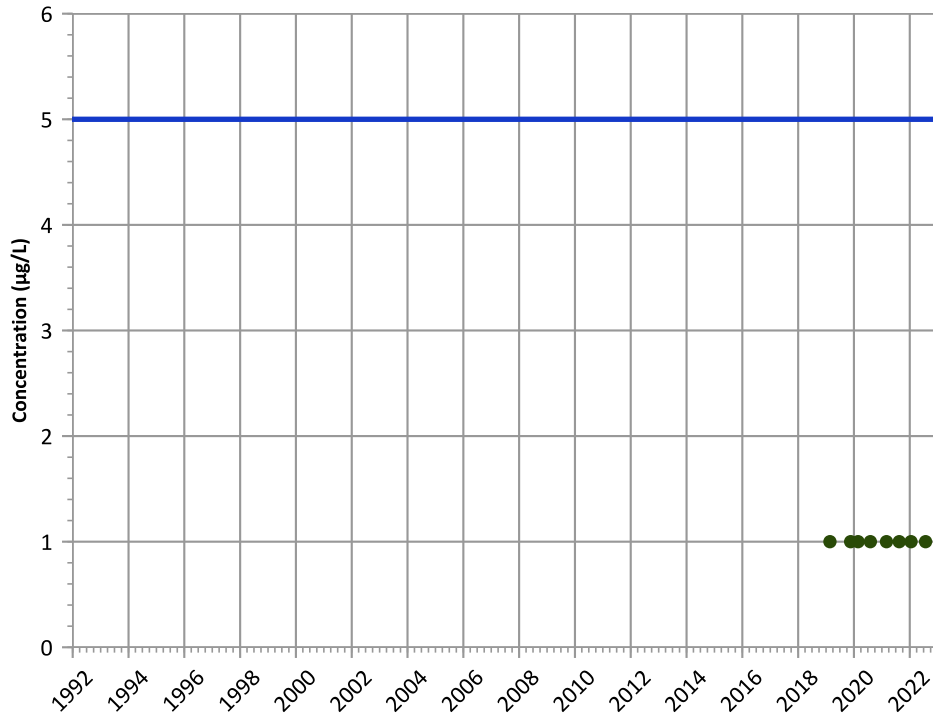
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

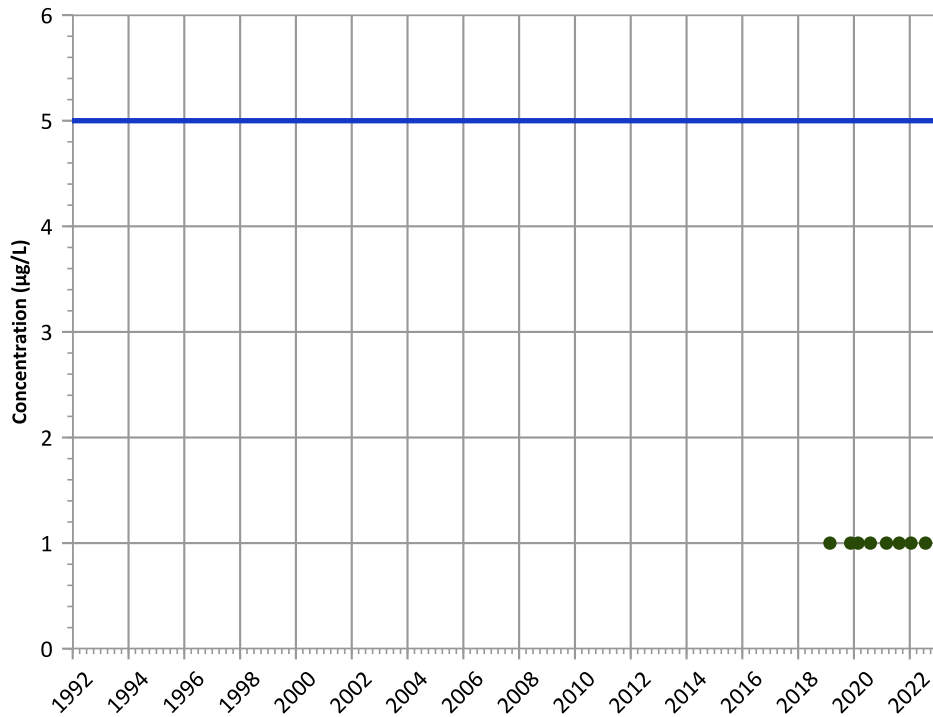
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

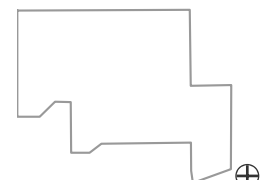
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

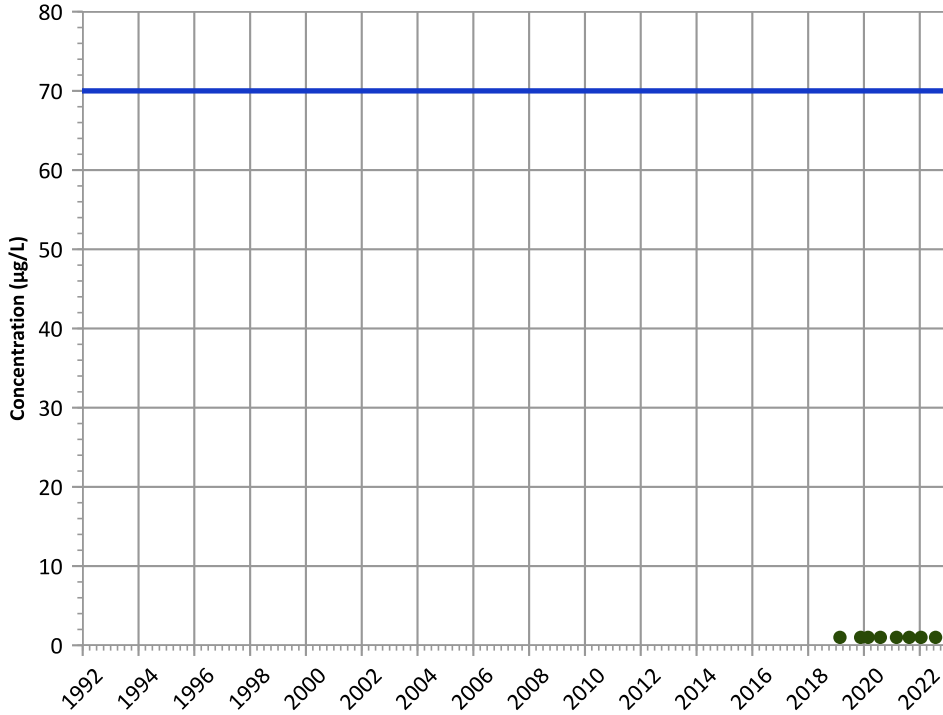
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

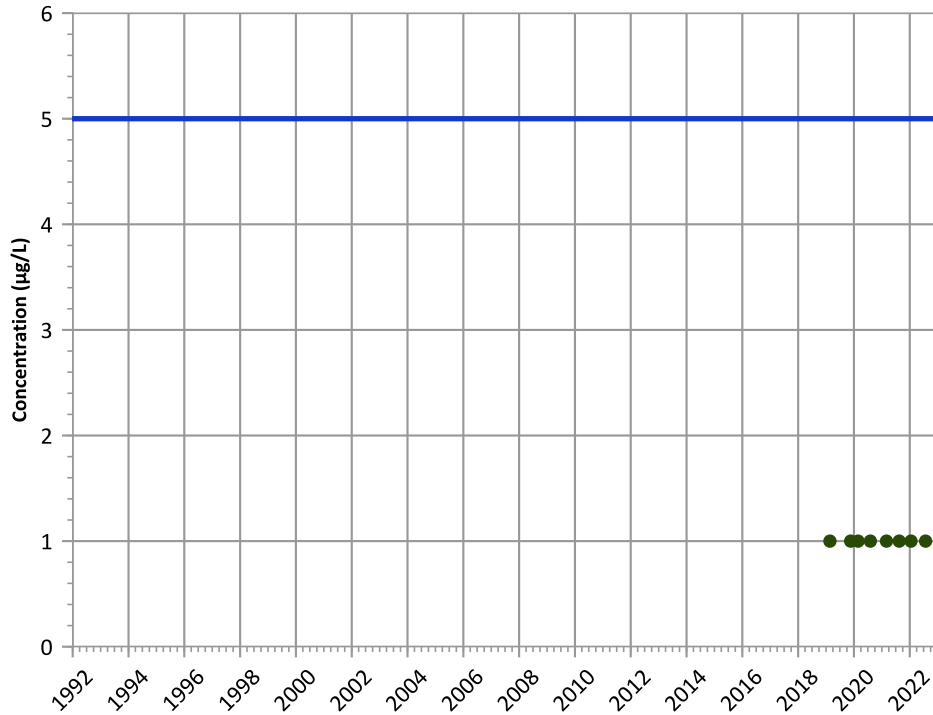
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

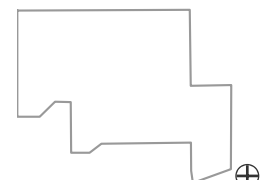
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

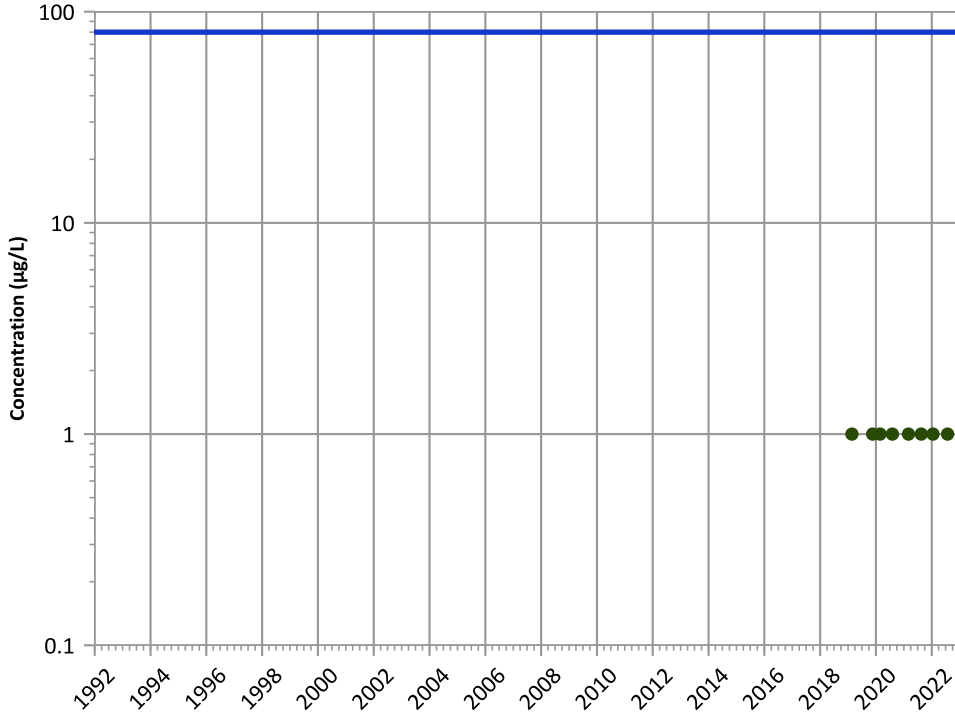


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

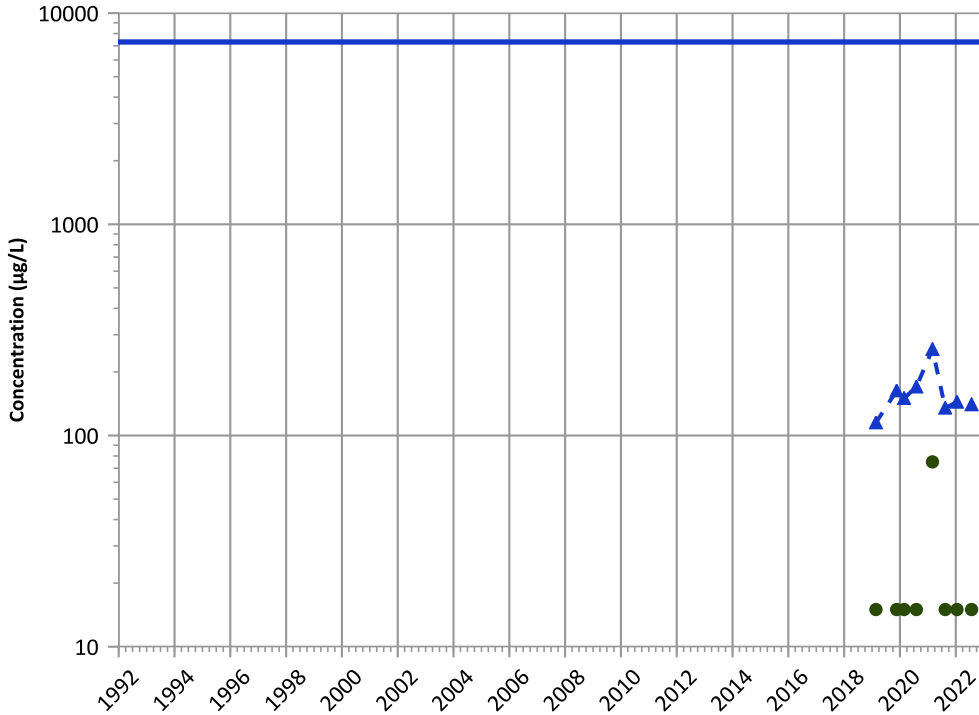


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

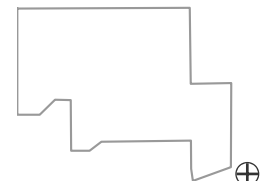


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Decreasing

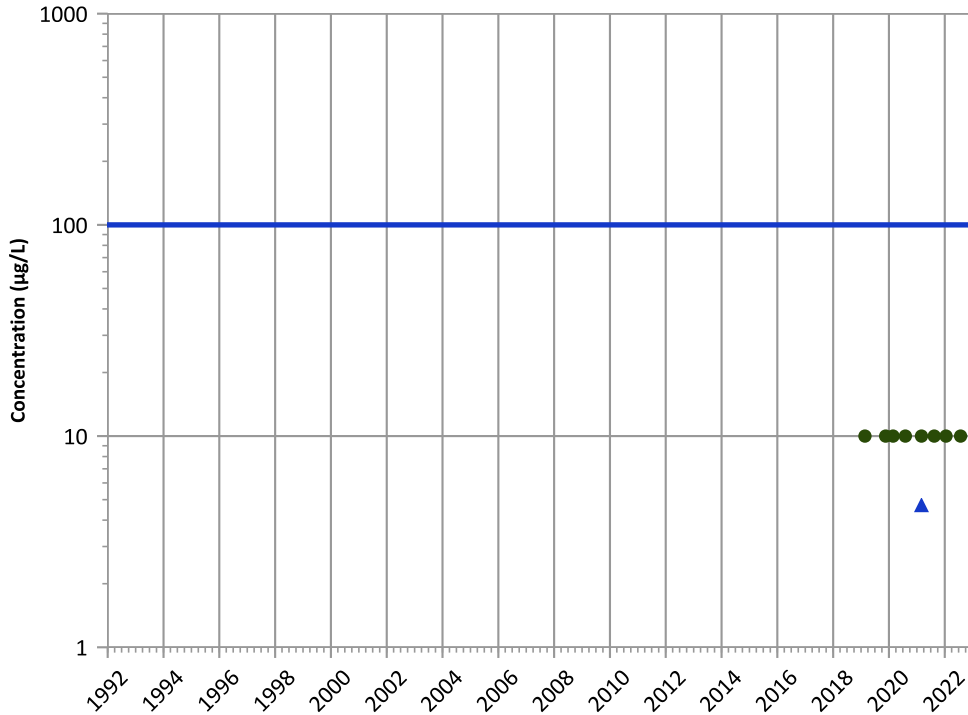
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

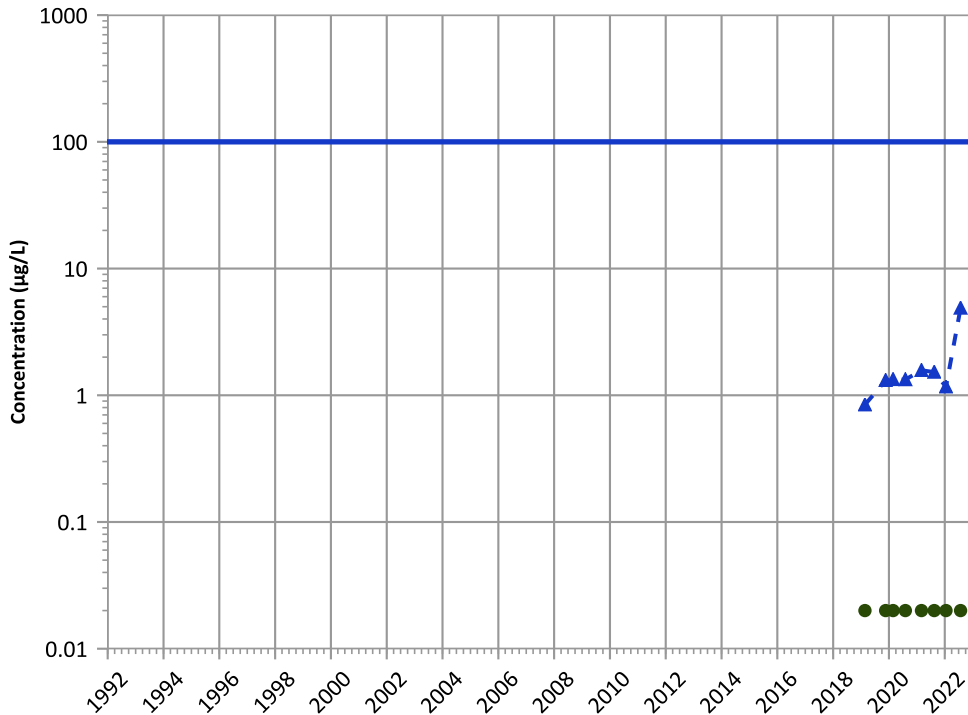


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chromium, Hexavalent Trend**

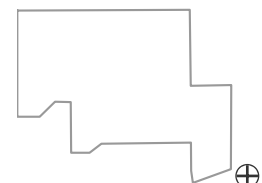


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**Well Location**

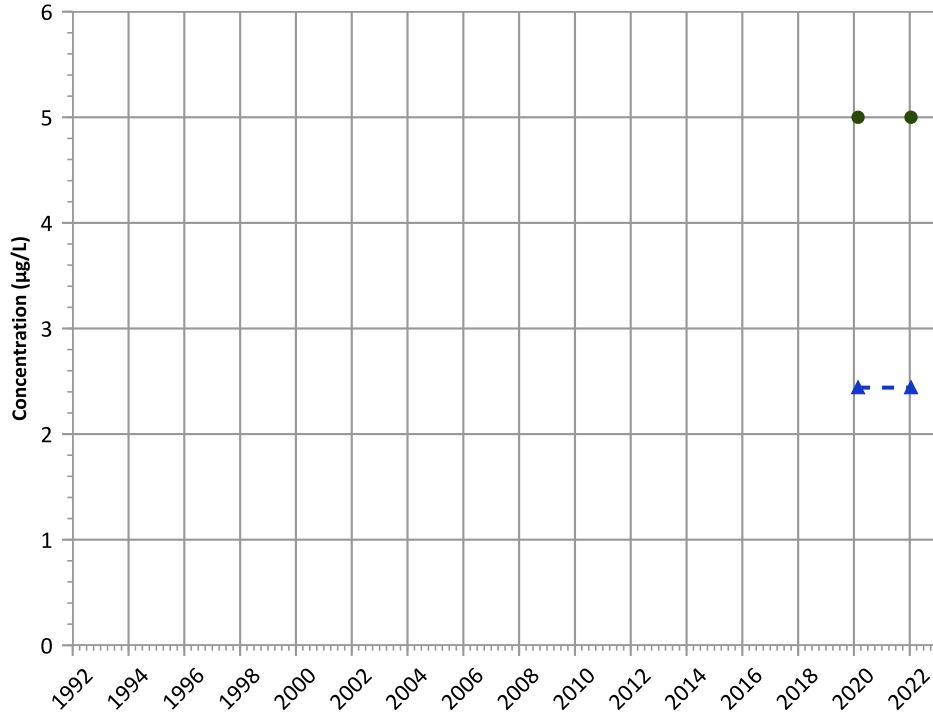


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

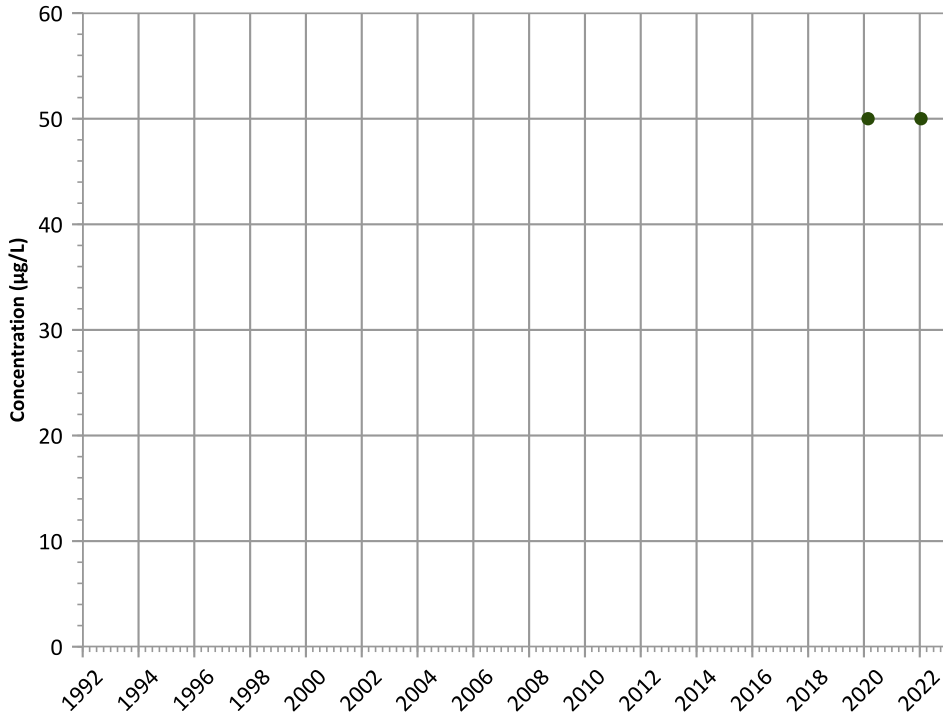


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

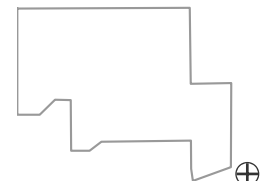


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

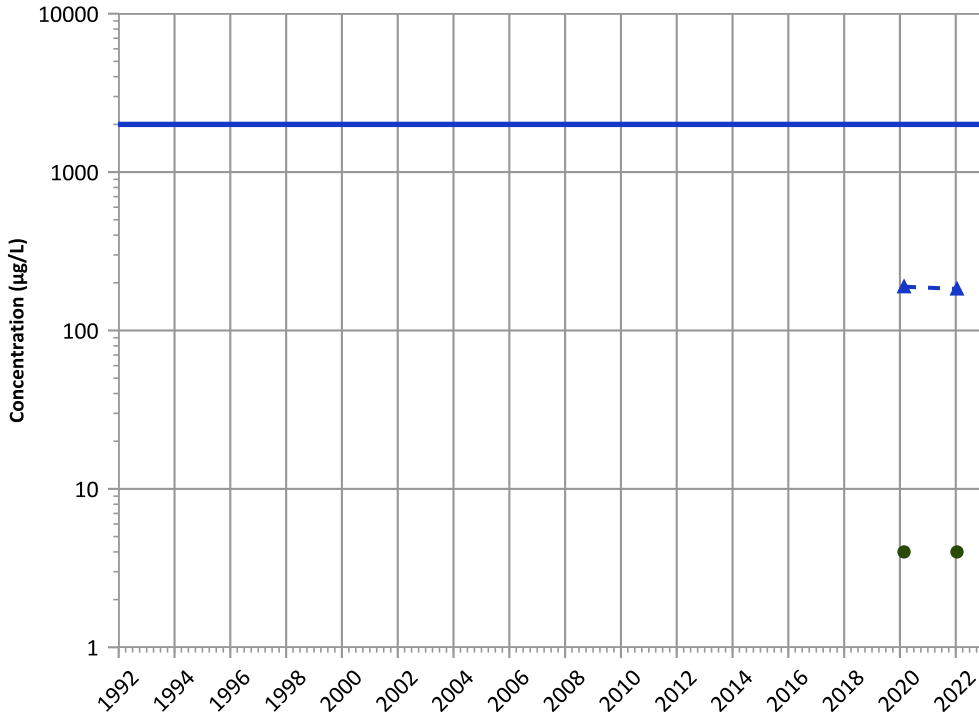


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

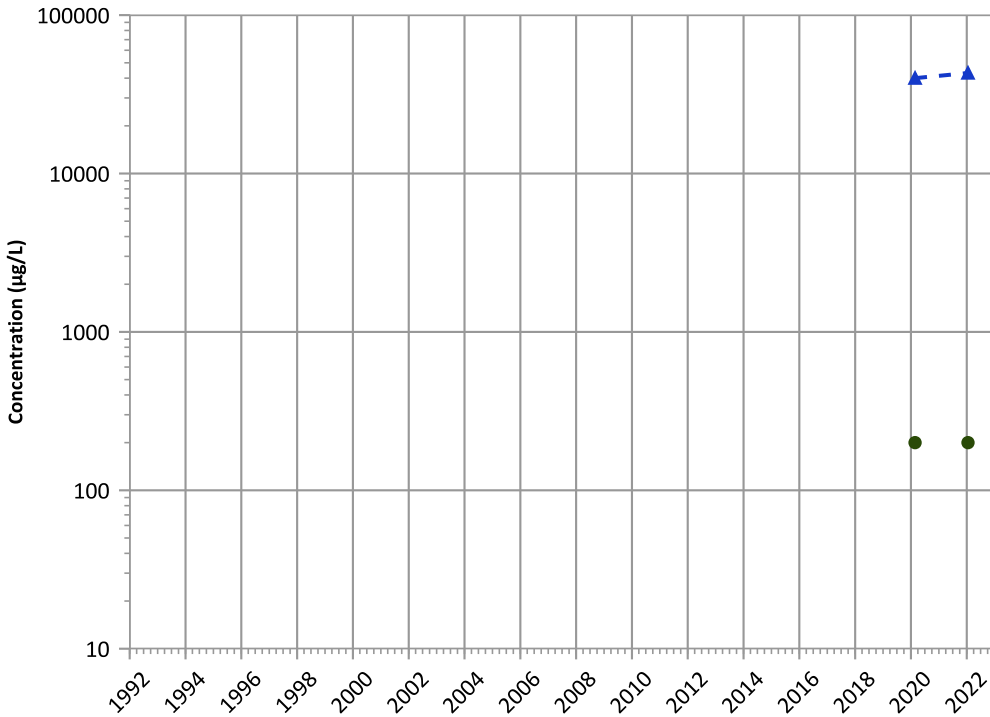
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

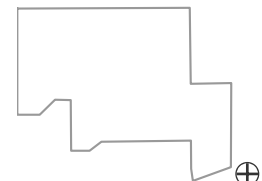
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

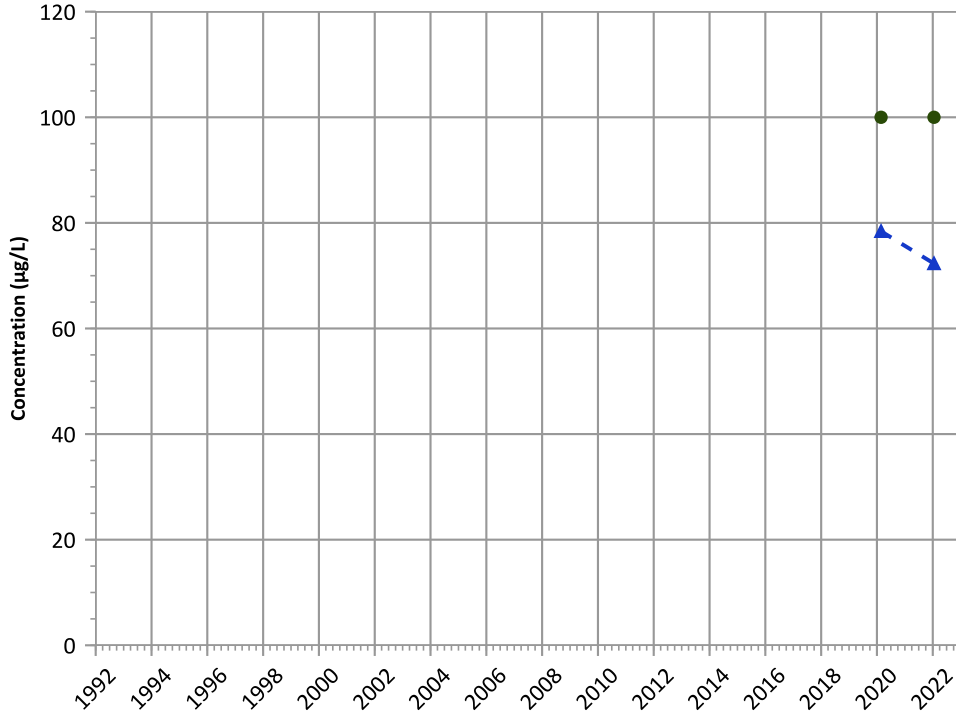


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

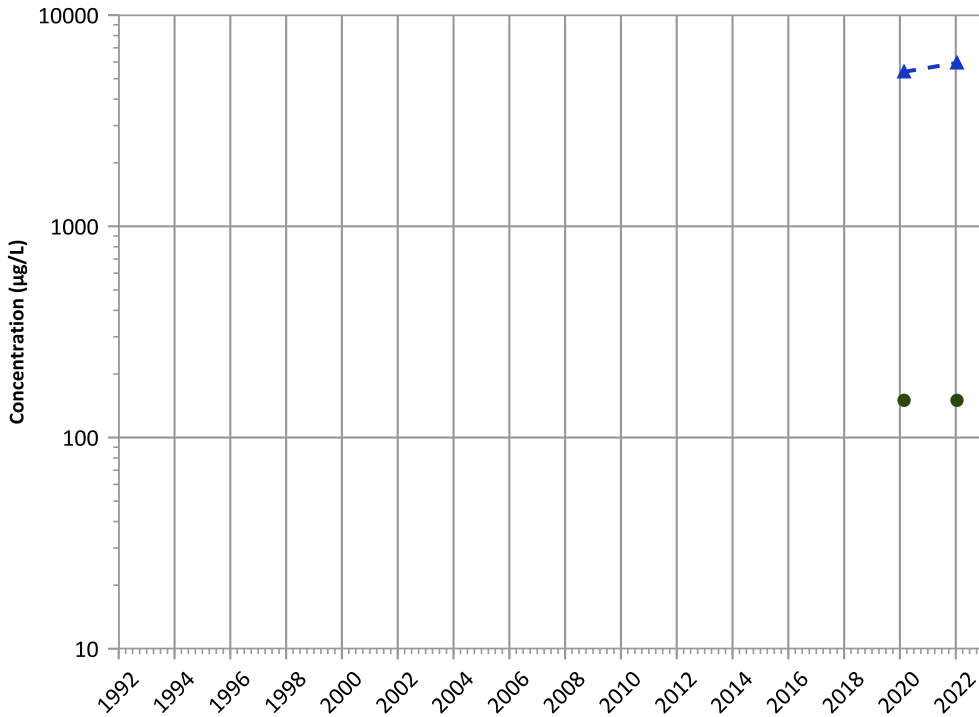


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

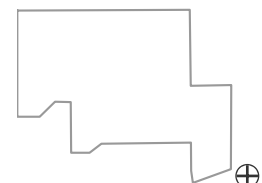


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

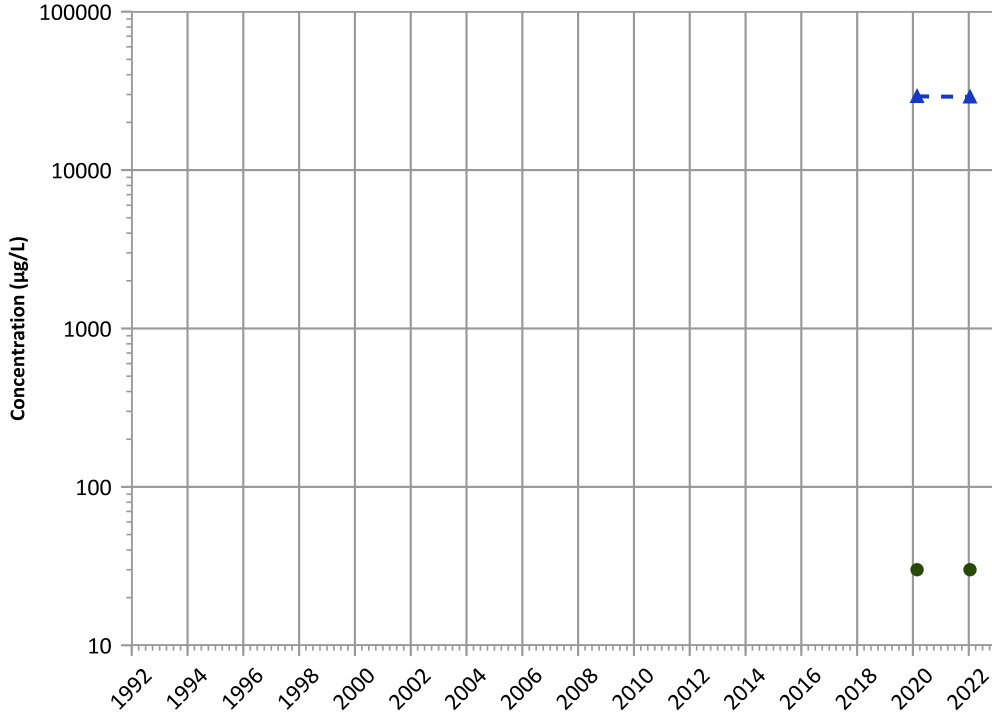


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1202 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

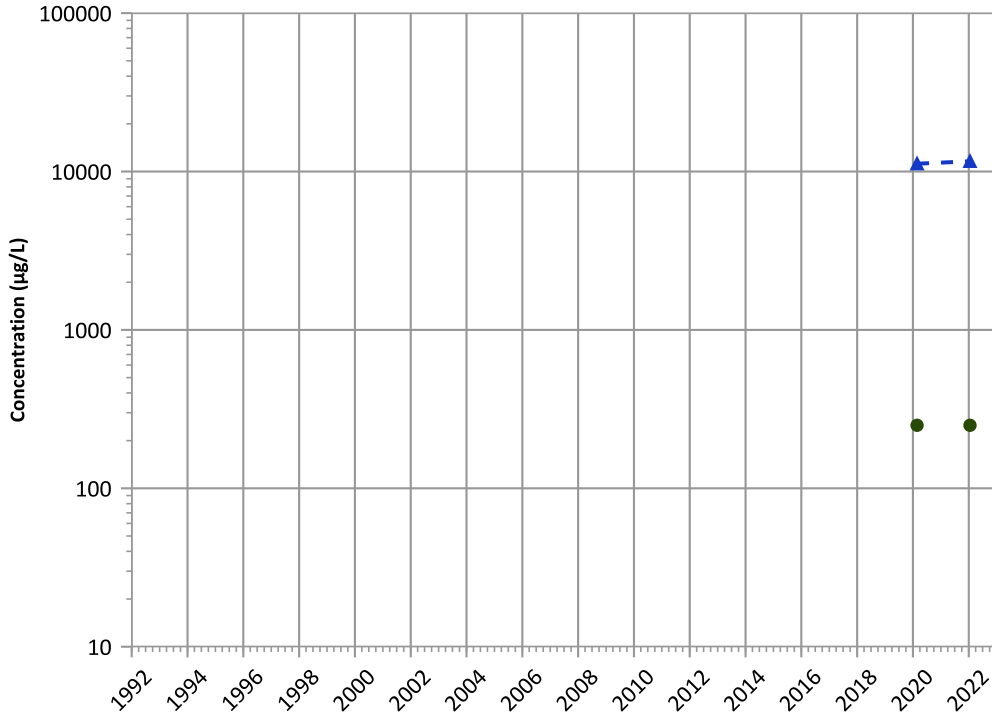


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

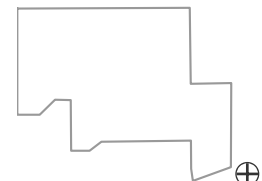


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

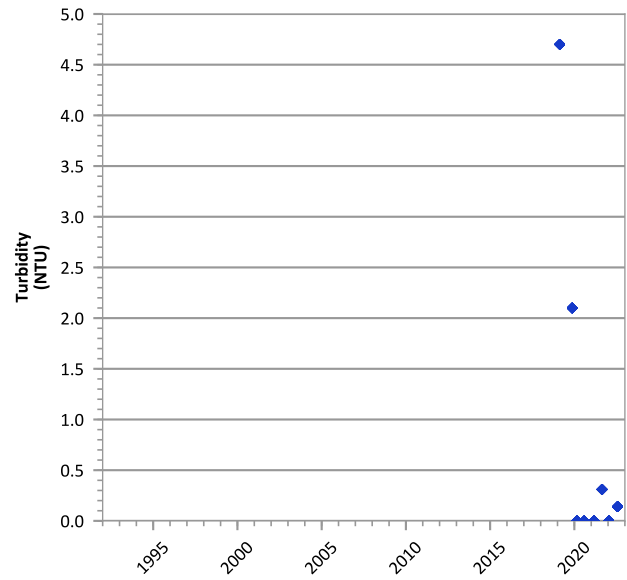
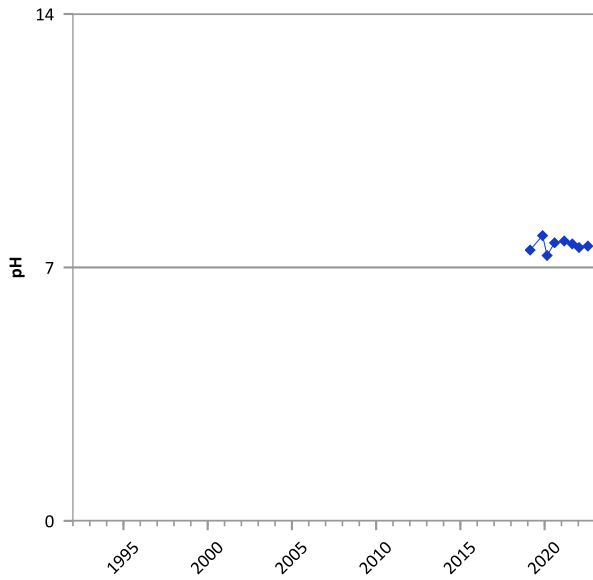
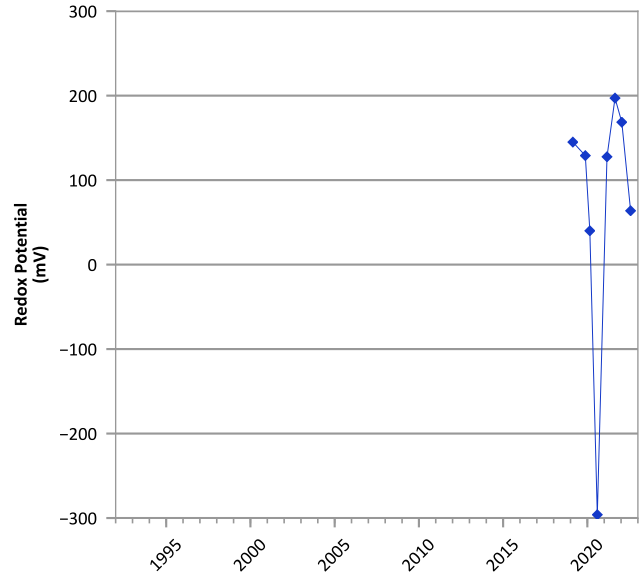
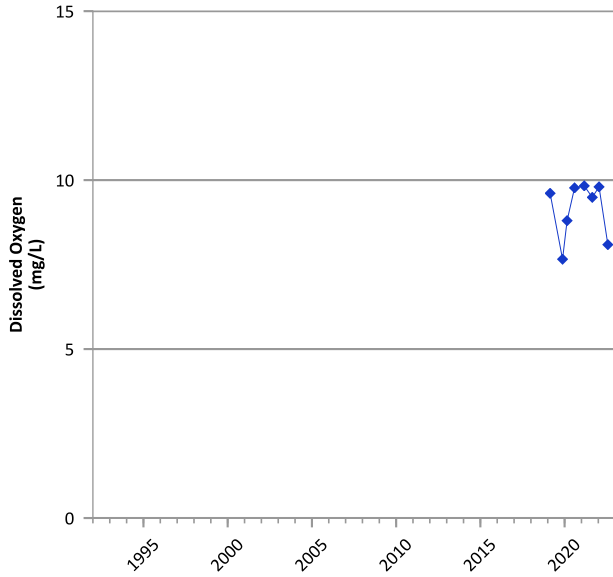
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/15/2019 to 07/27/2022  
Analysis Date: 04/27/2023

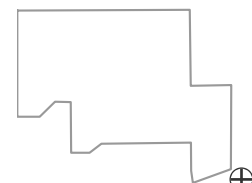
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



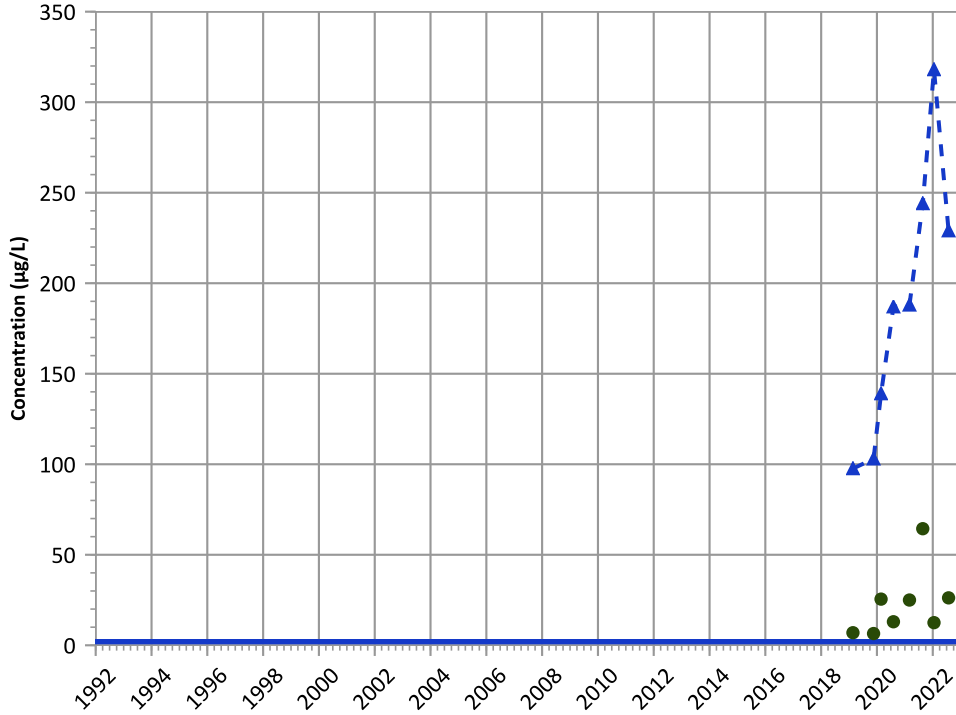
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/21/2019 to 07/27/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

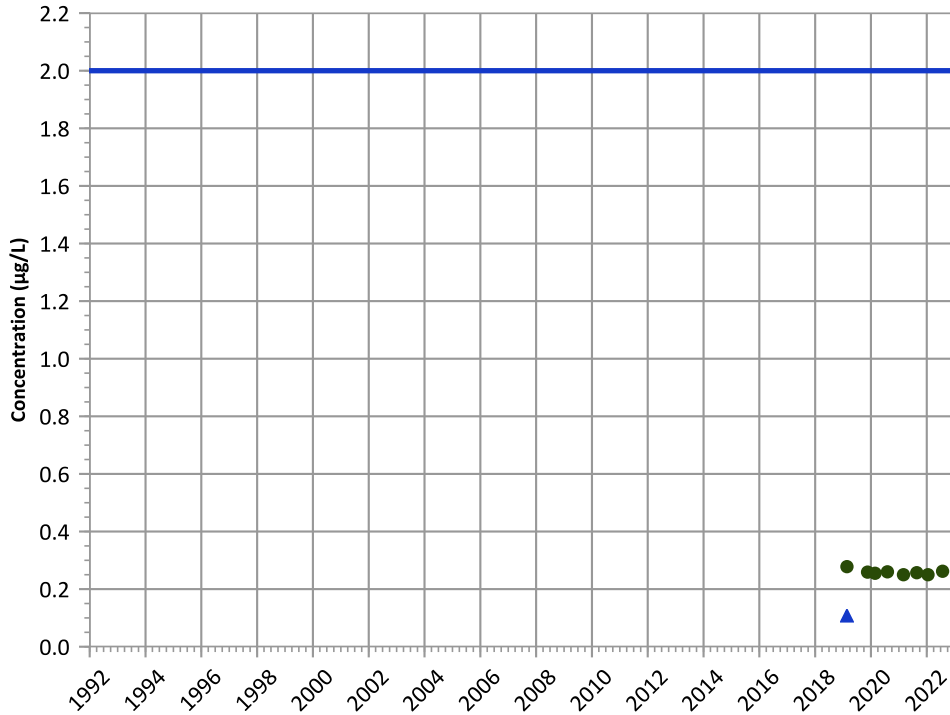


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

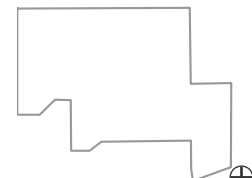


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location



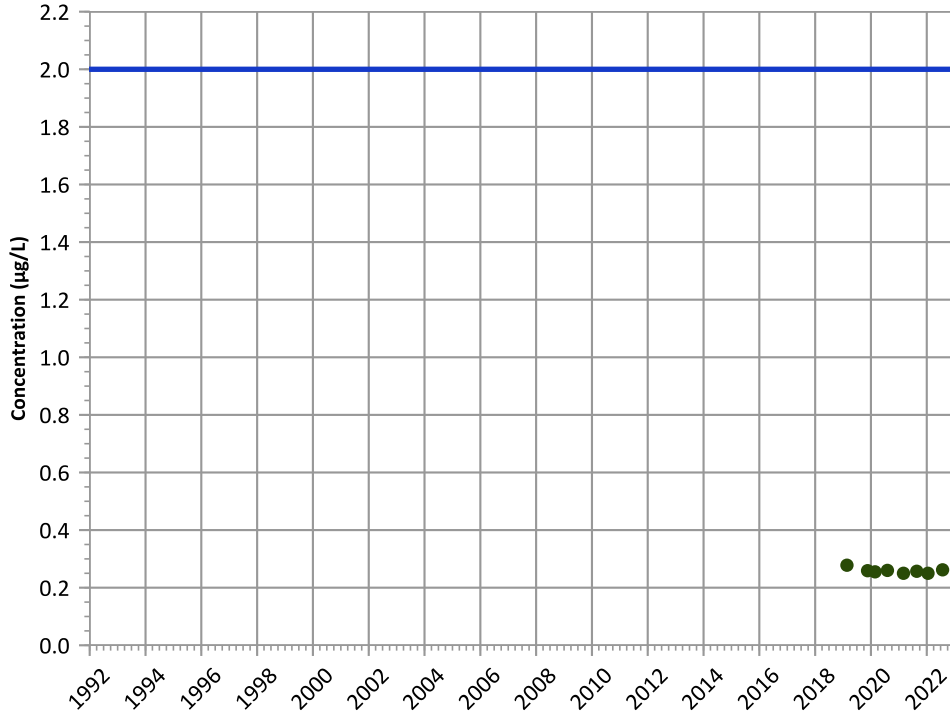
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

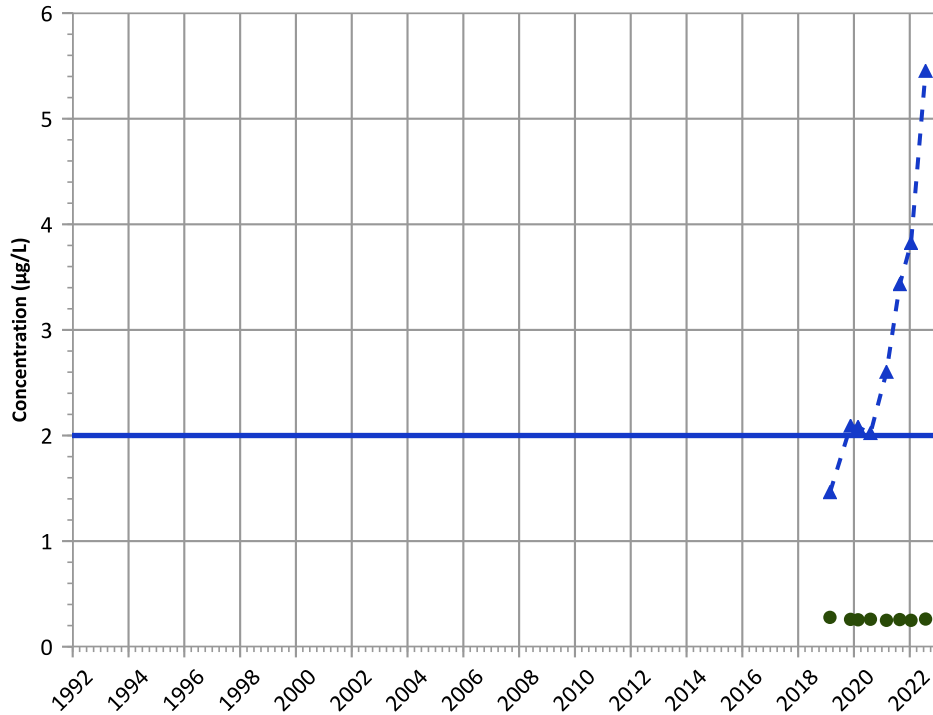
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

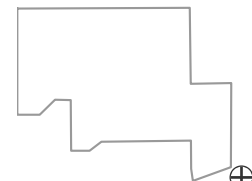
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

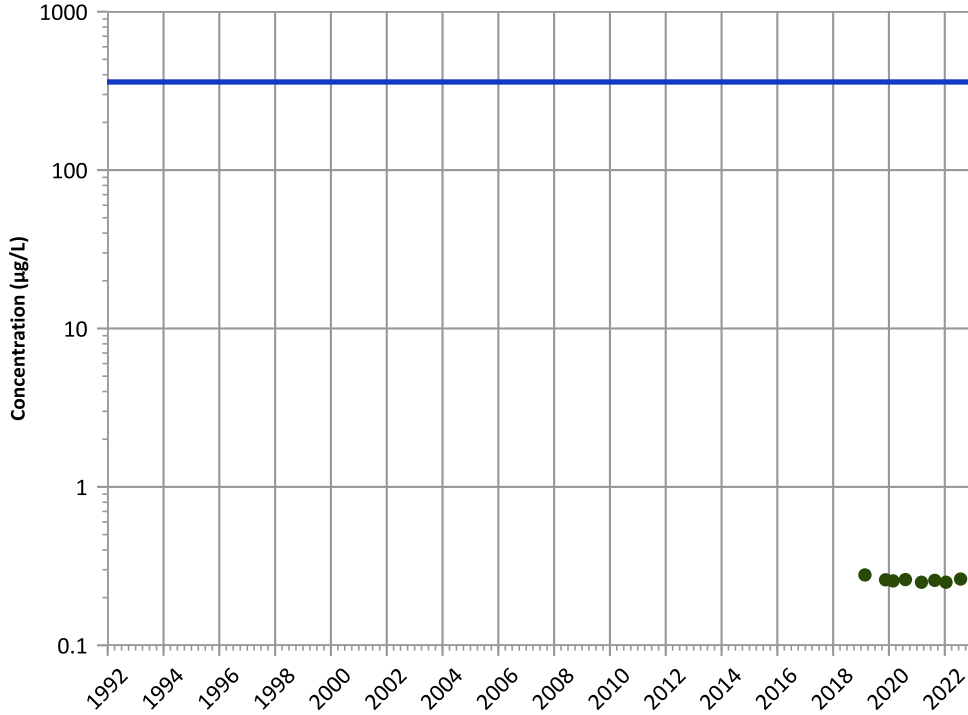
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

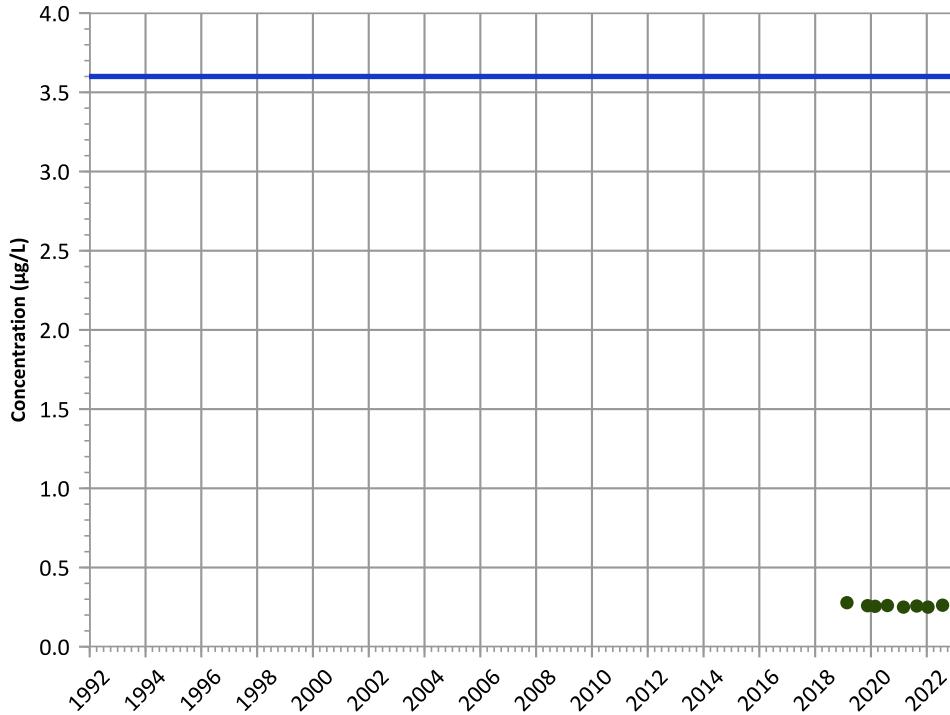


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

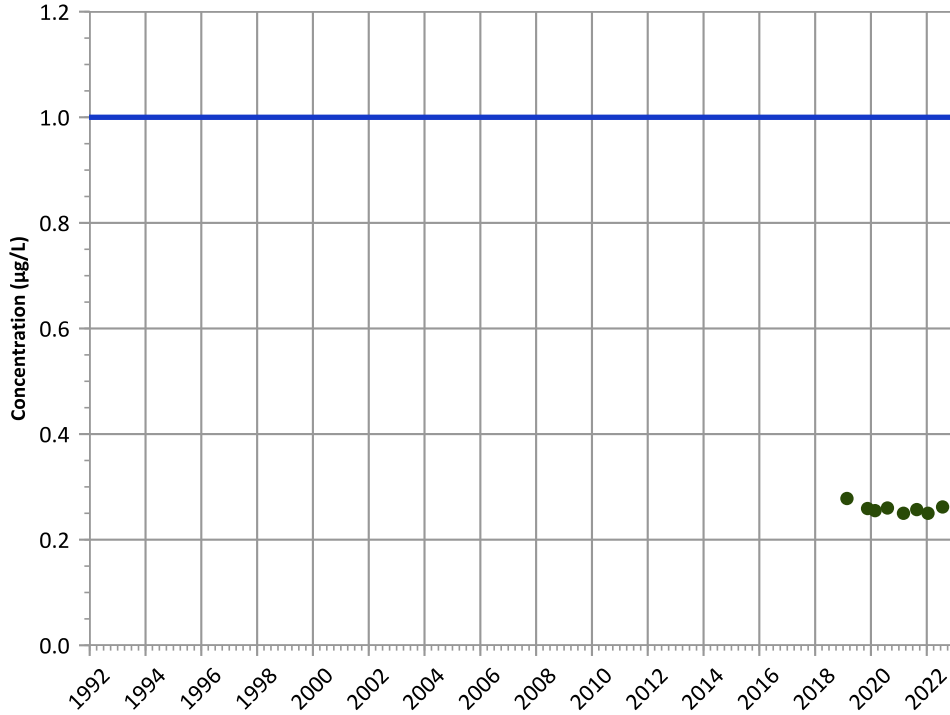
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

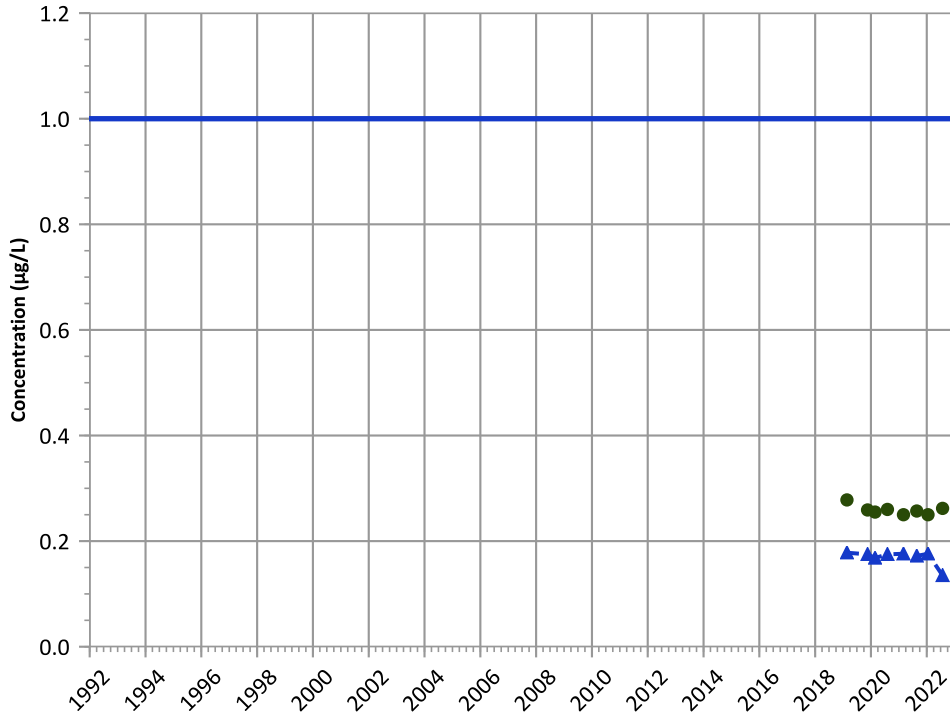
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

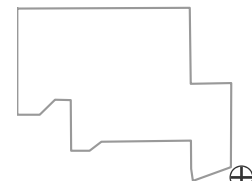
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Stable

**Well Location**

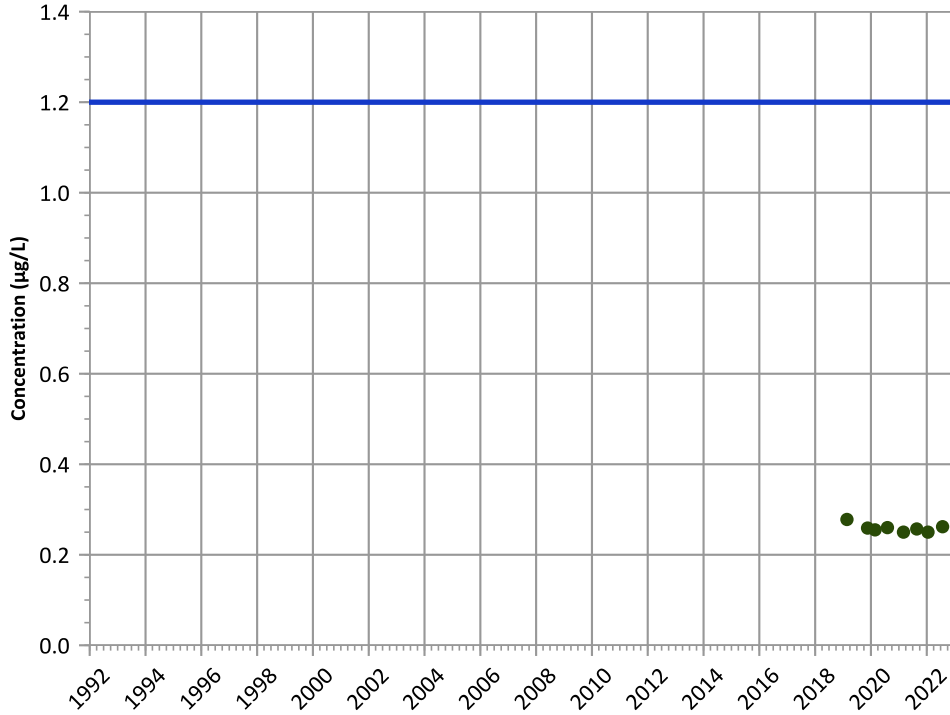


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

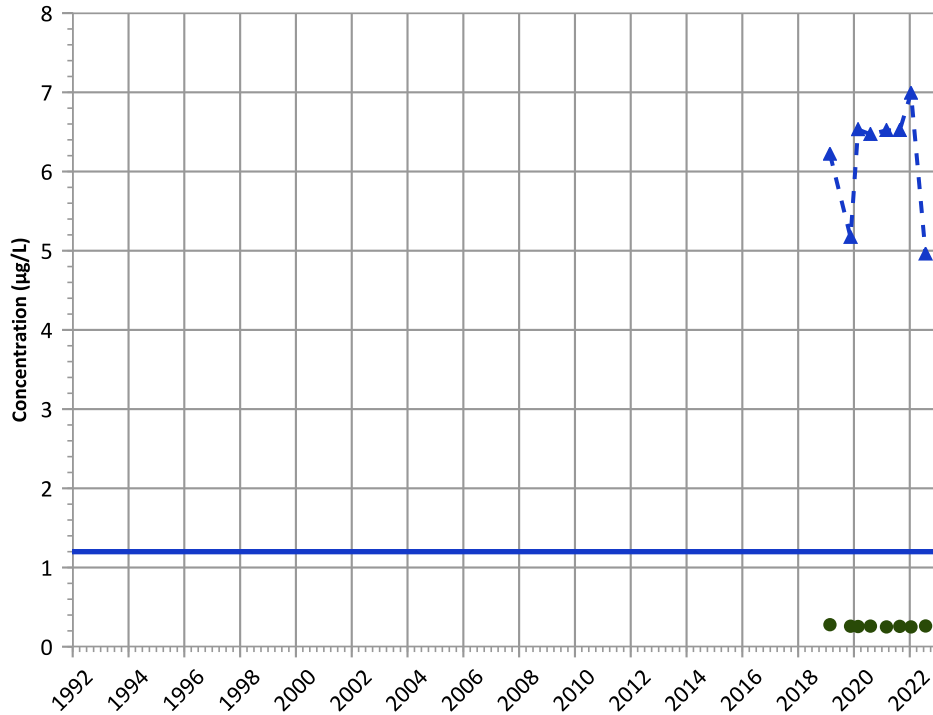
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

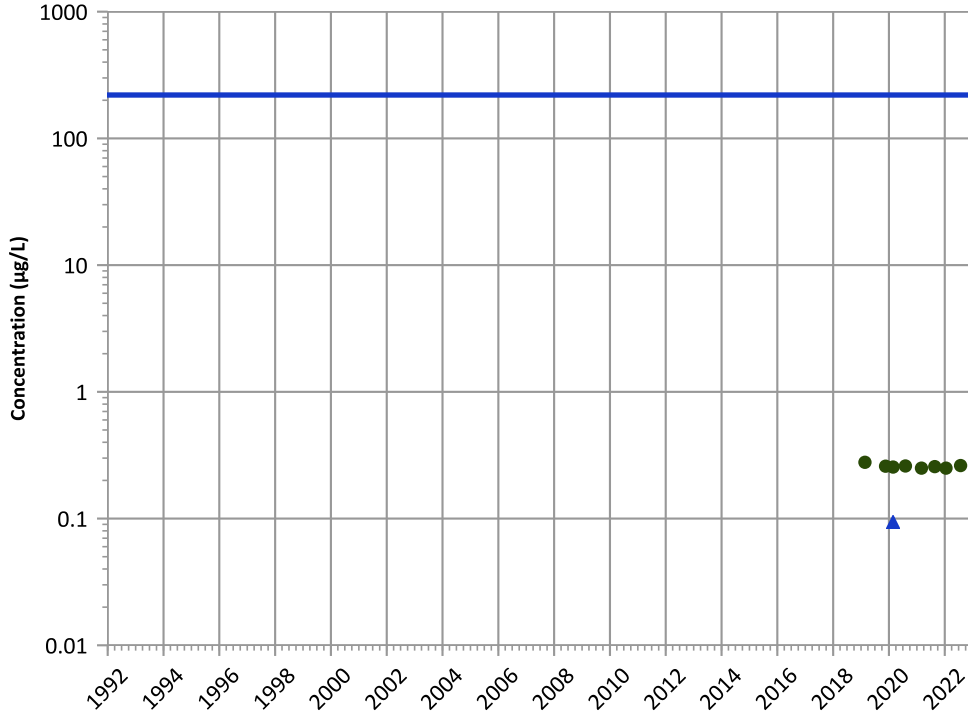
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

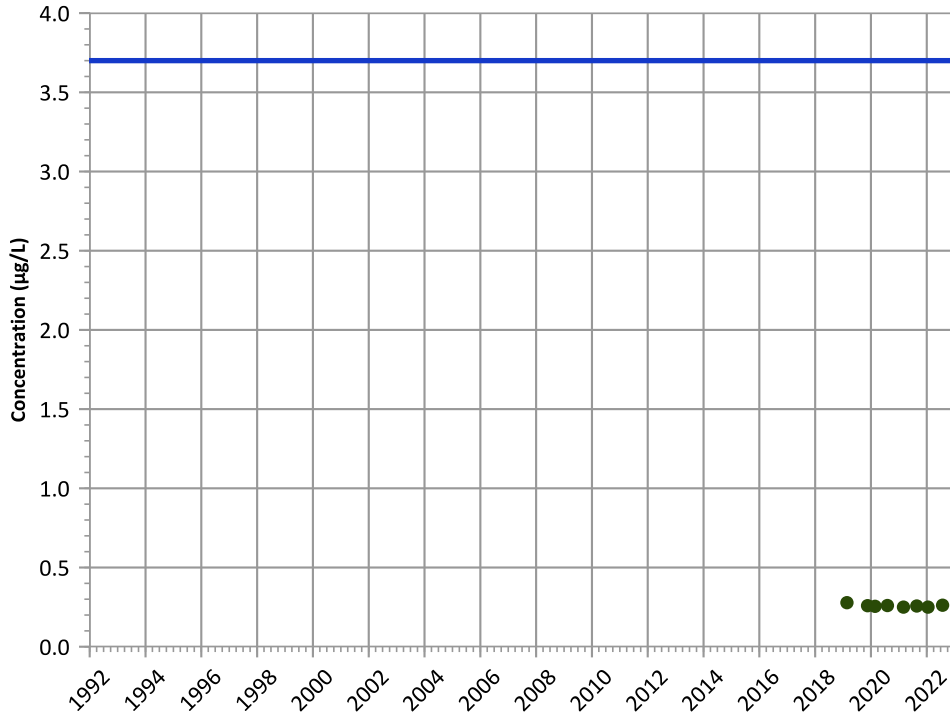


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

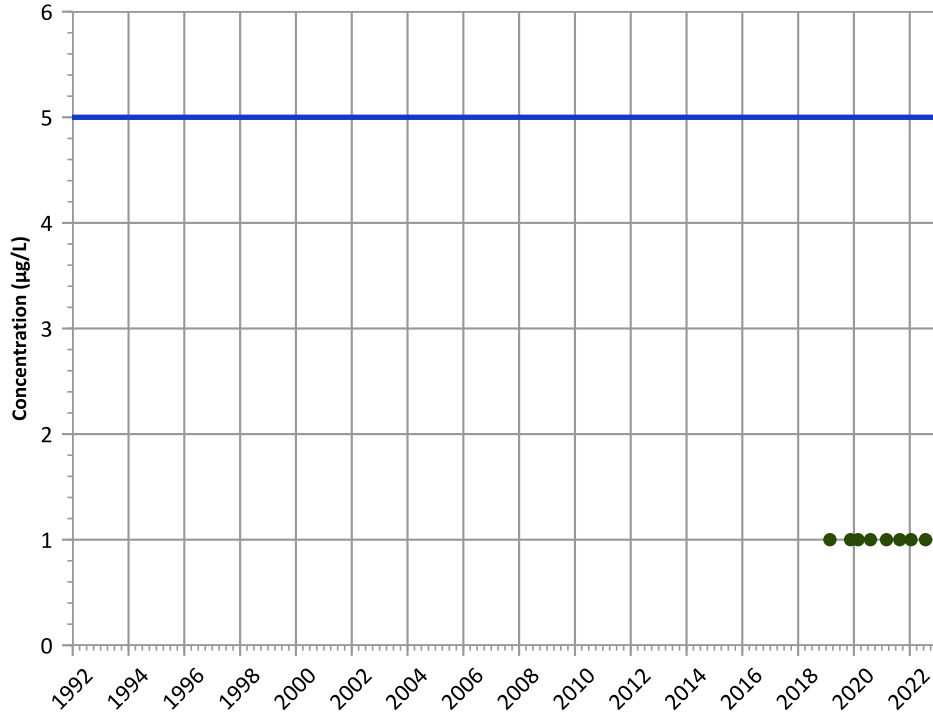
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

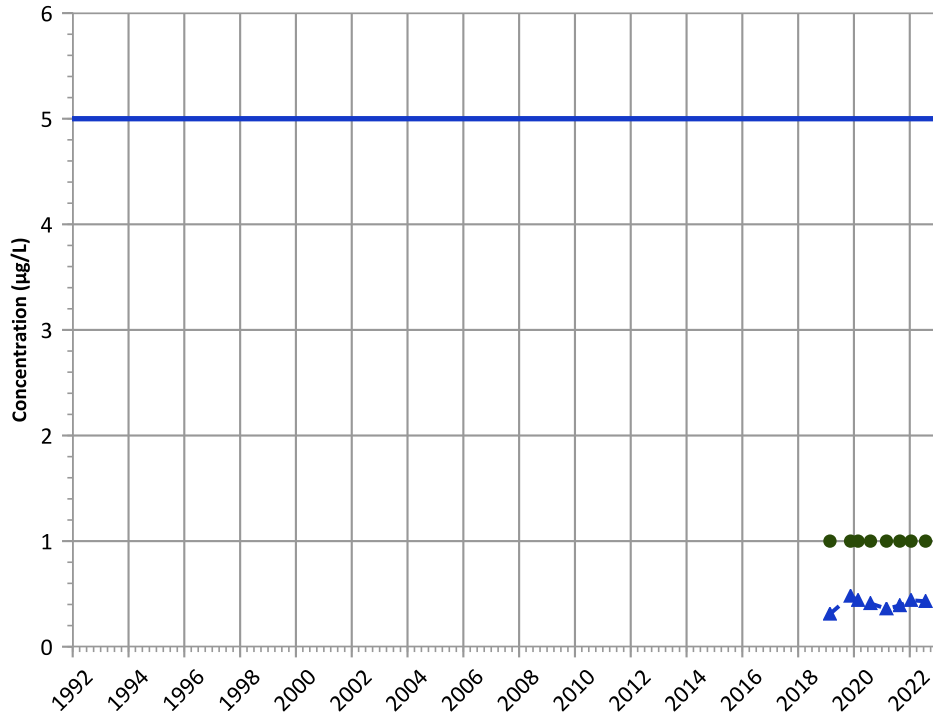
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

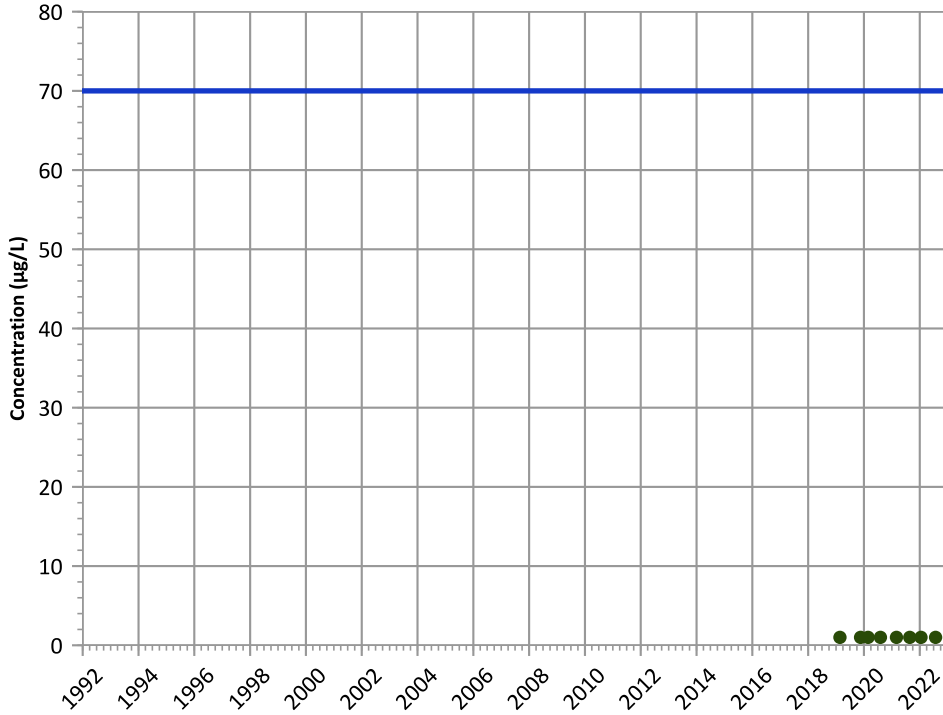
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

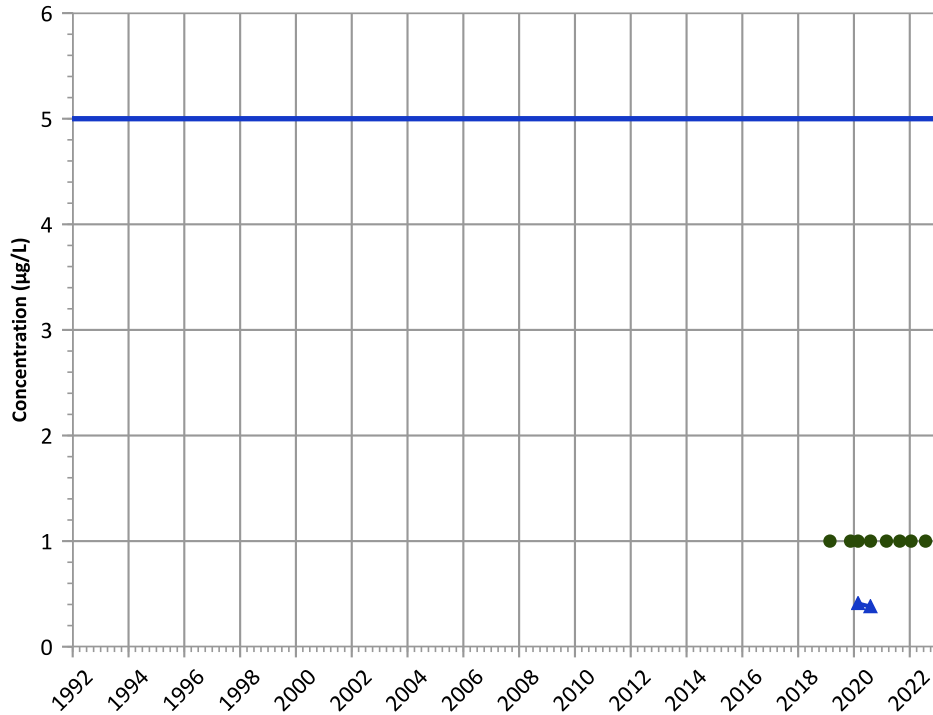


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**

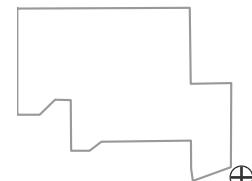


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

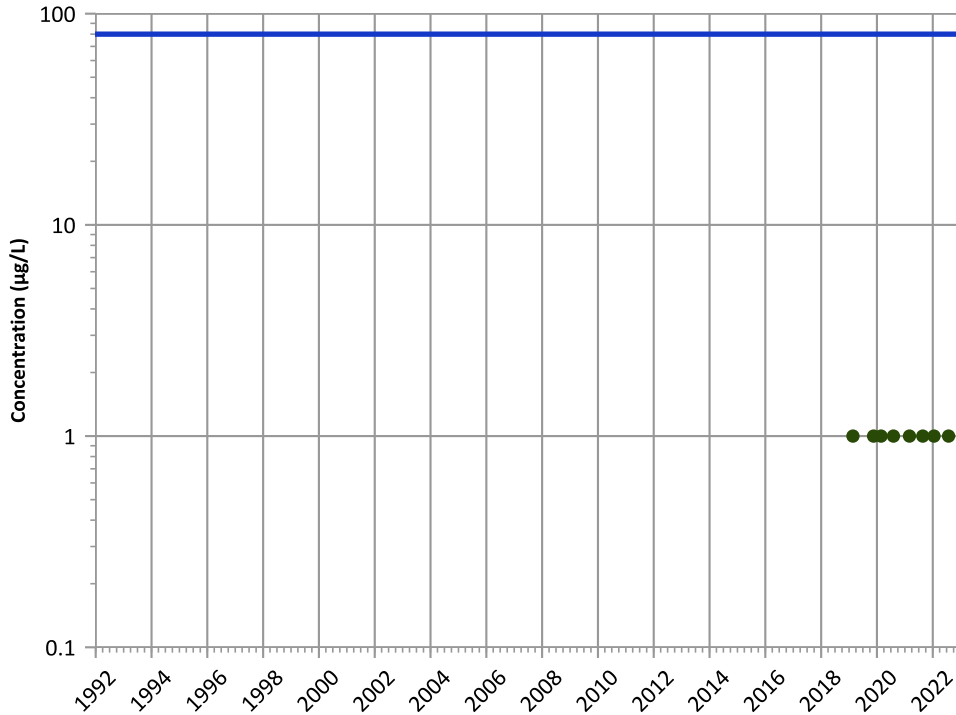
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

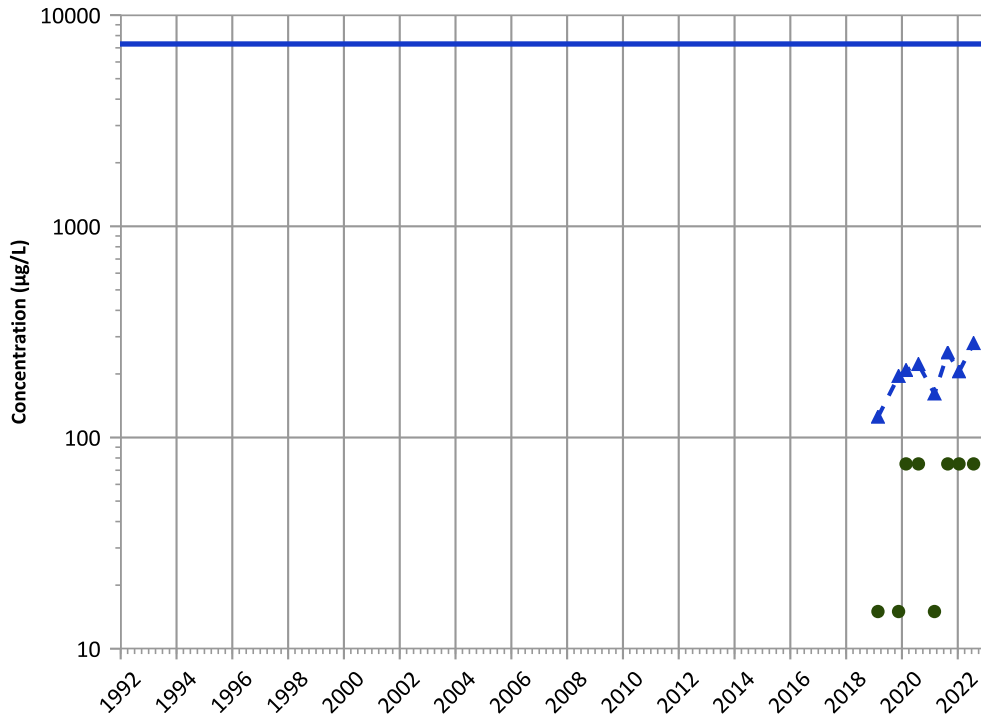


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

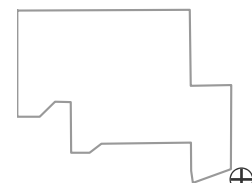
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

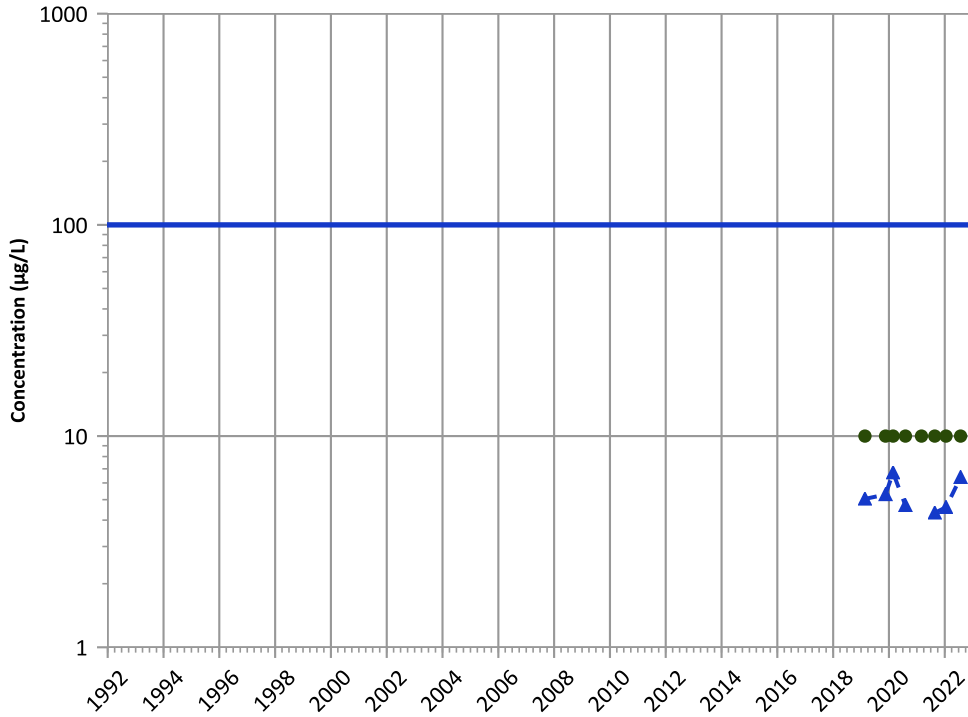
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

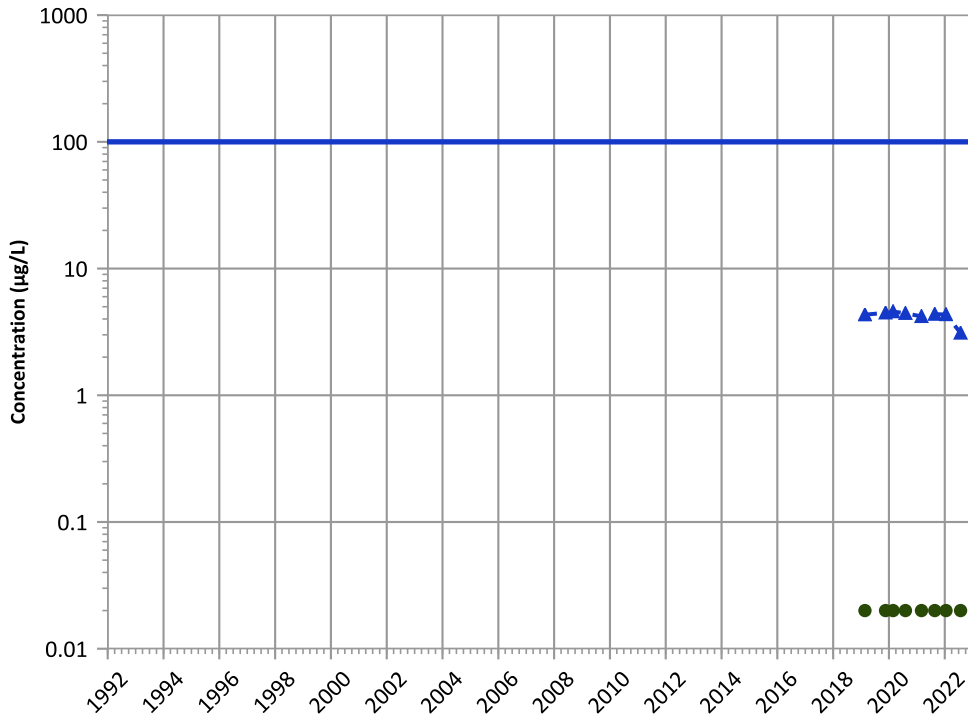


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**Chromium, Hexavalent Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

**Well Location**

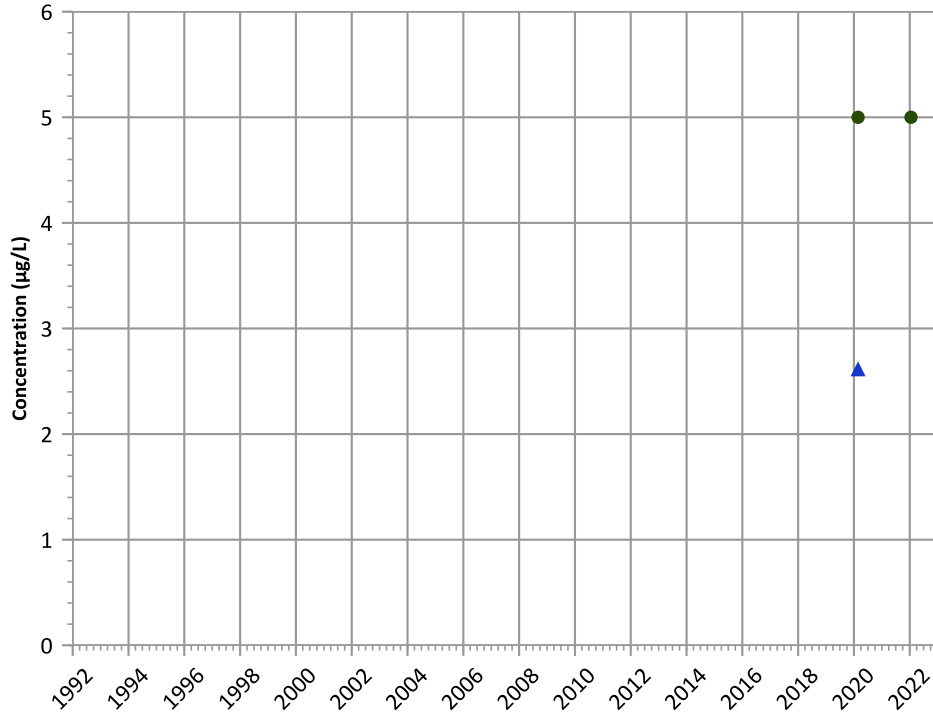


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

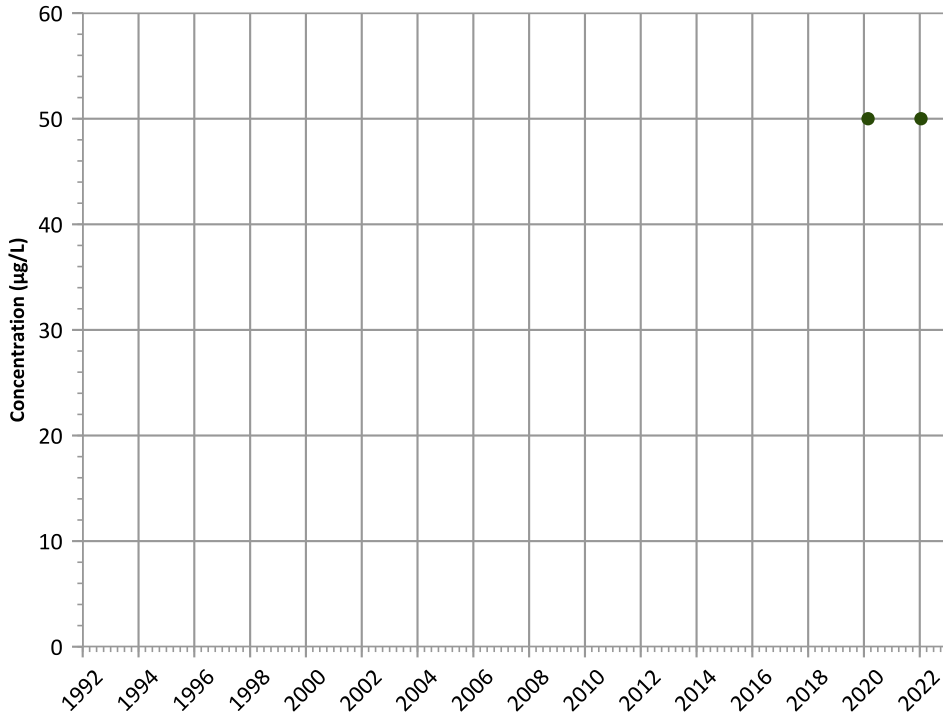
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

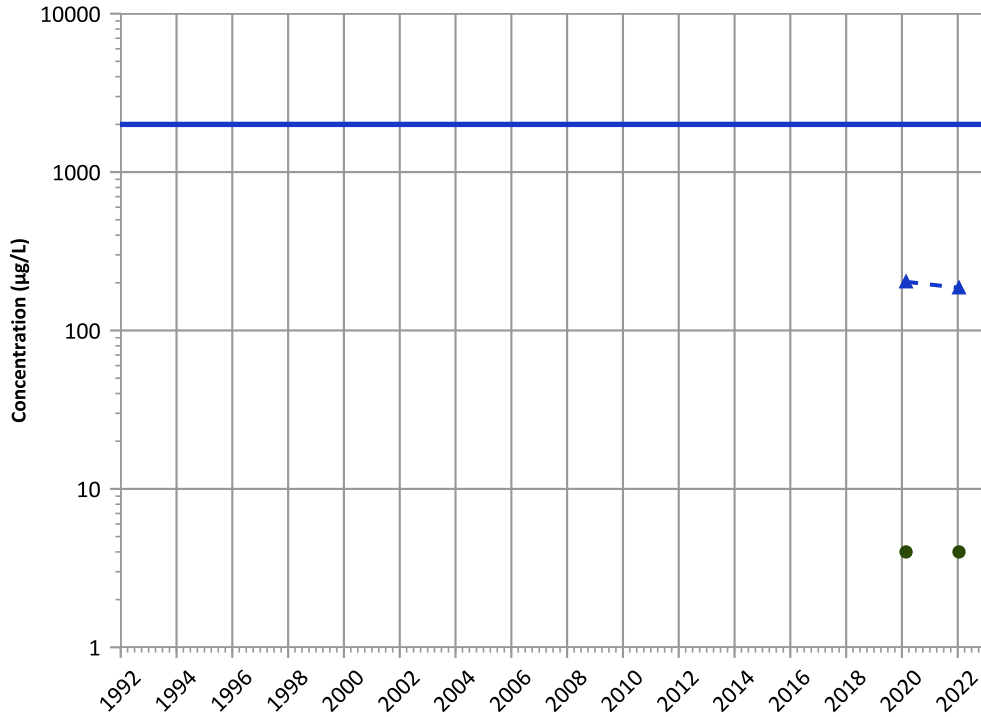
Data Date Range: 02/21/2019 to 07/27/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

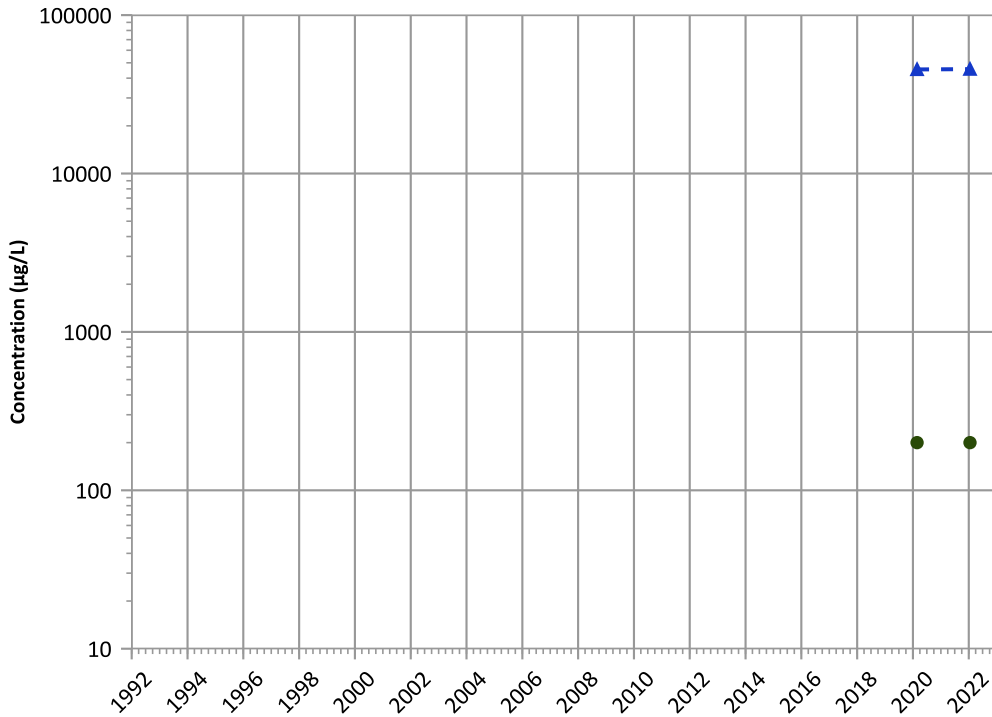
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

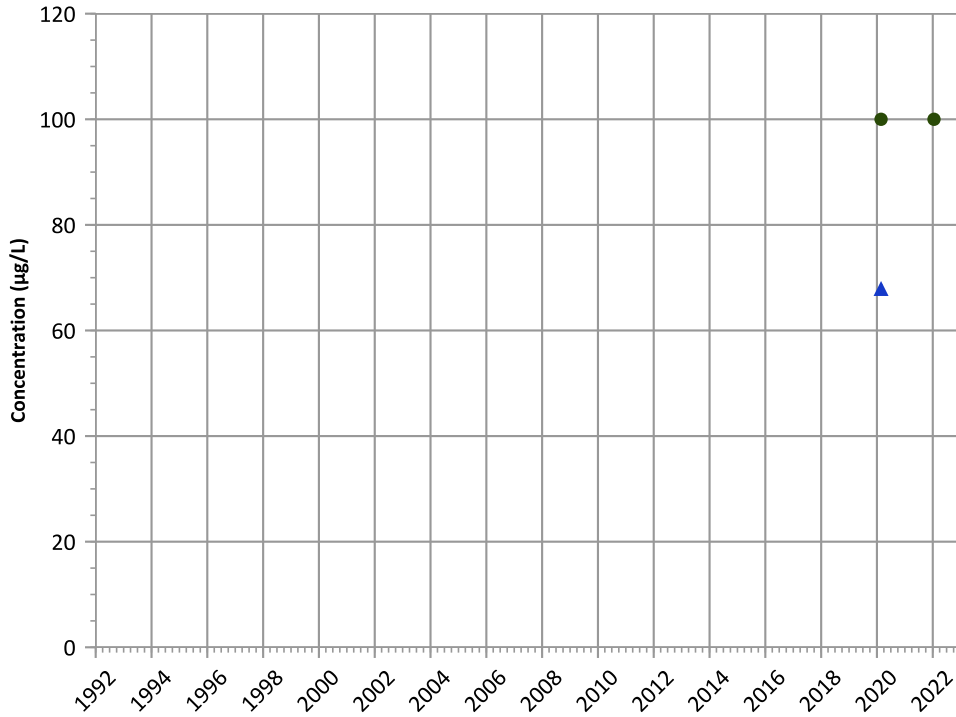


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

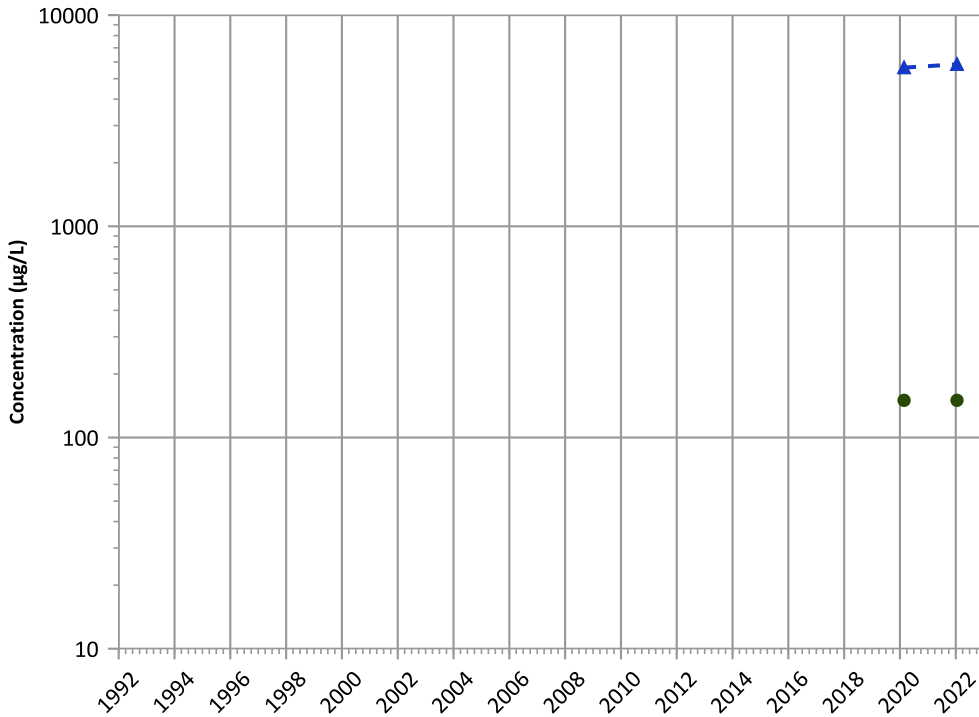


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

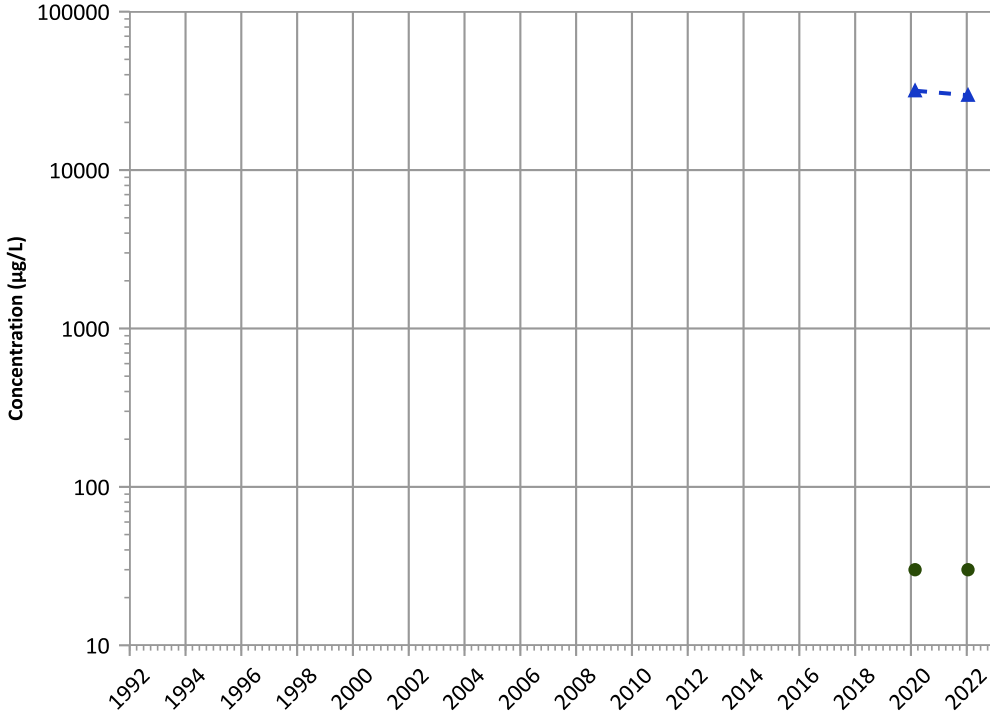


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1203 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

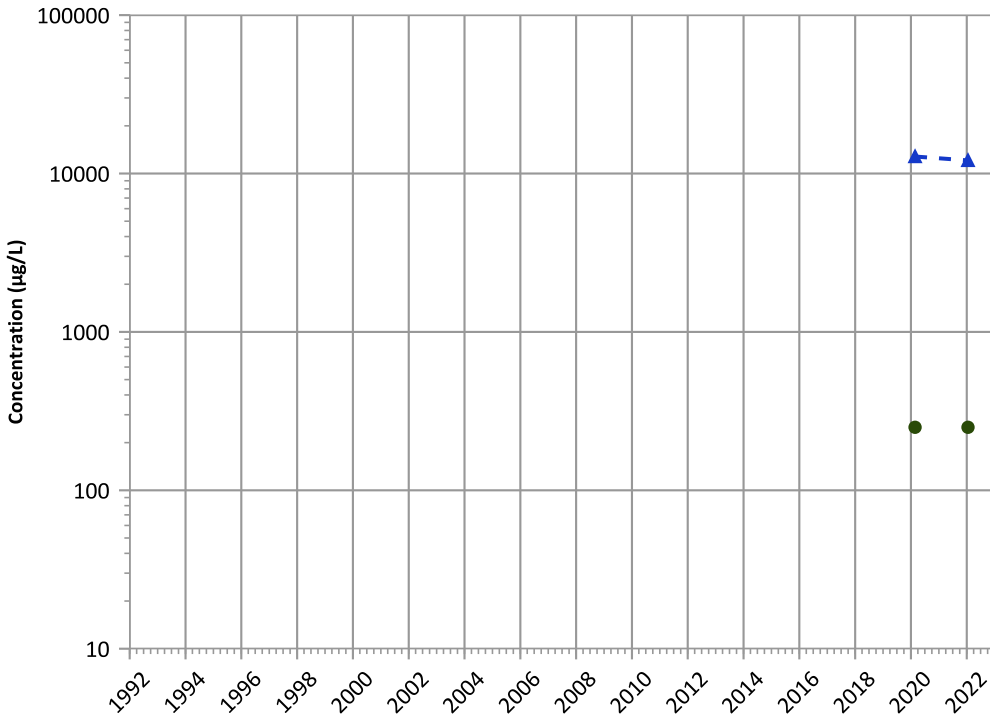


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

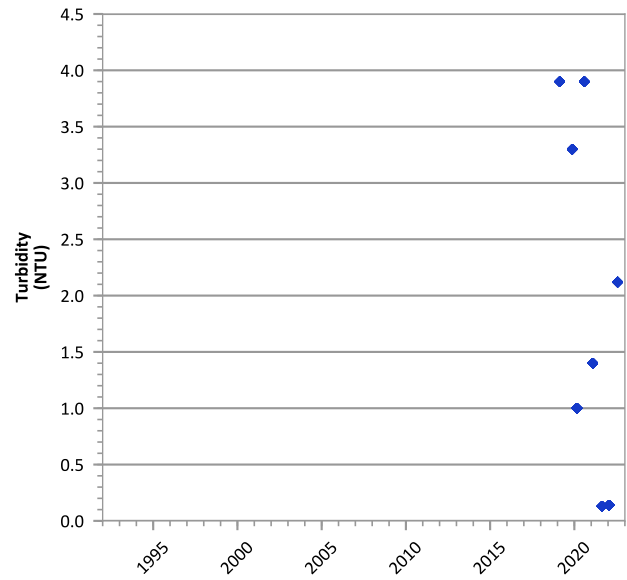
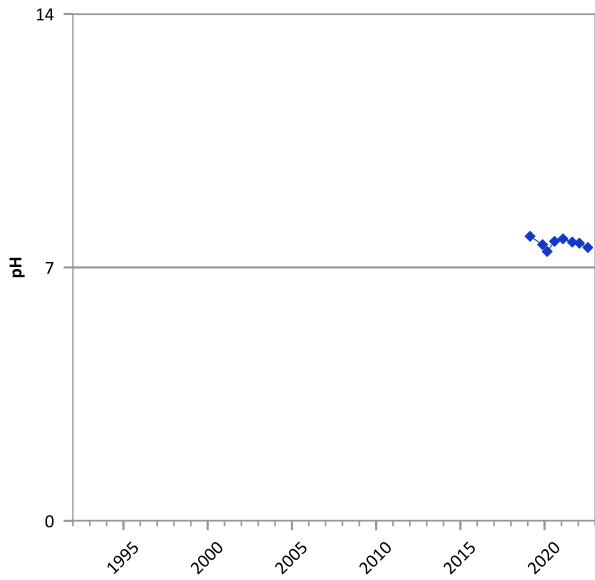
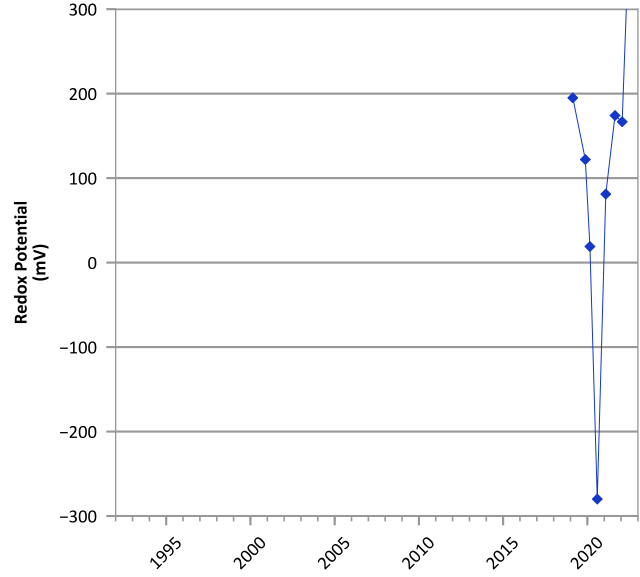
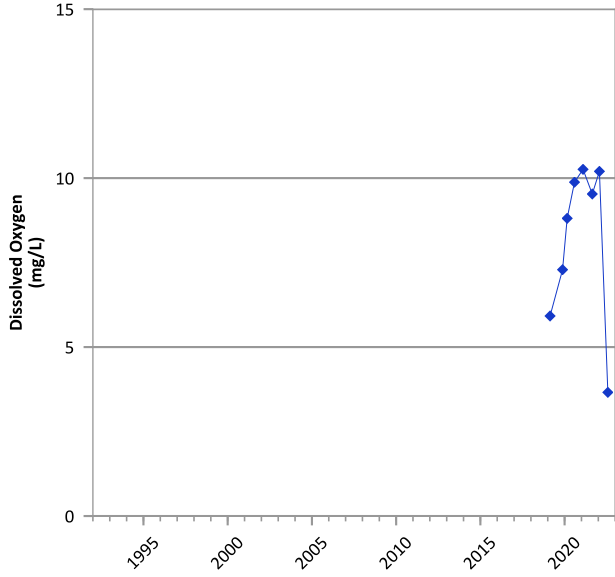
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/21/2019 to 07/27/2022  
Analysis Date: 04/27/2023

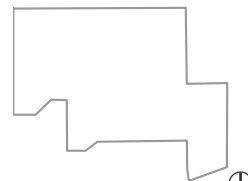
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



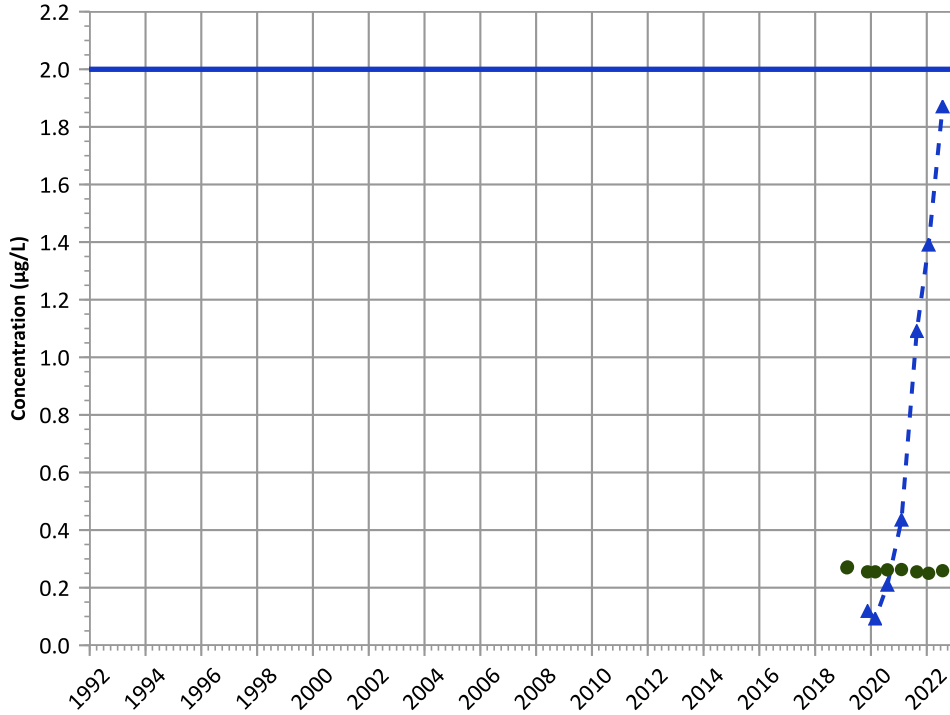
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/20/2019 to 07/27/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

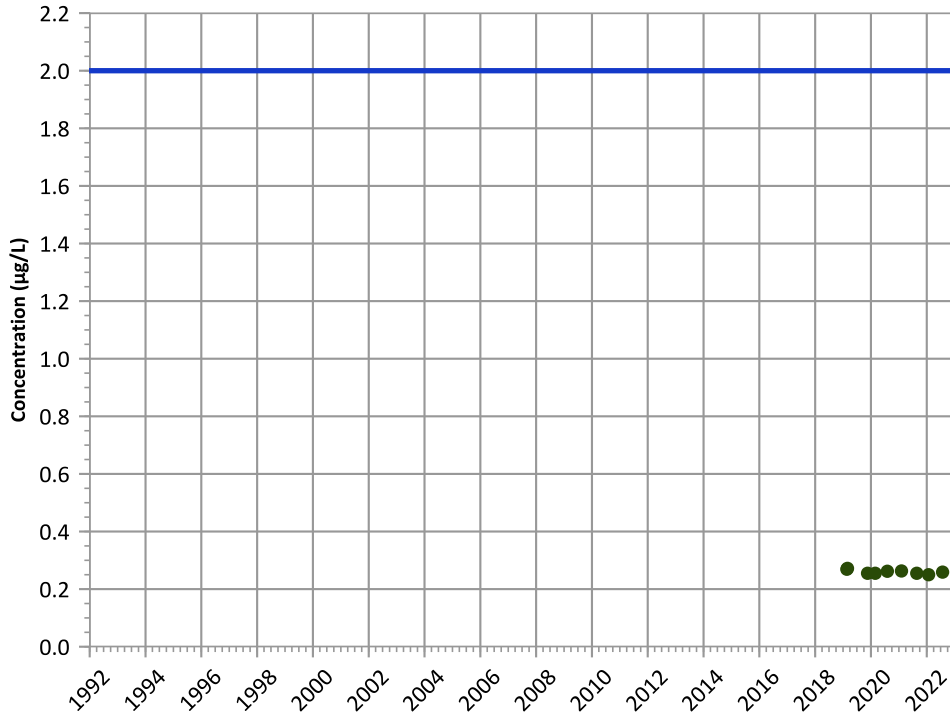


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

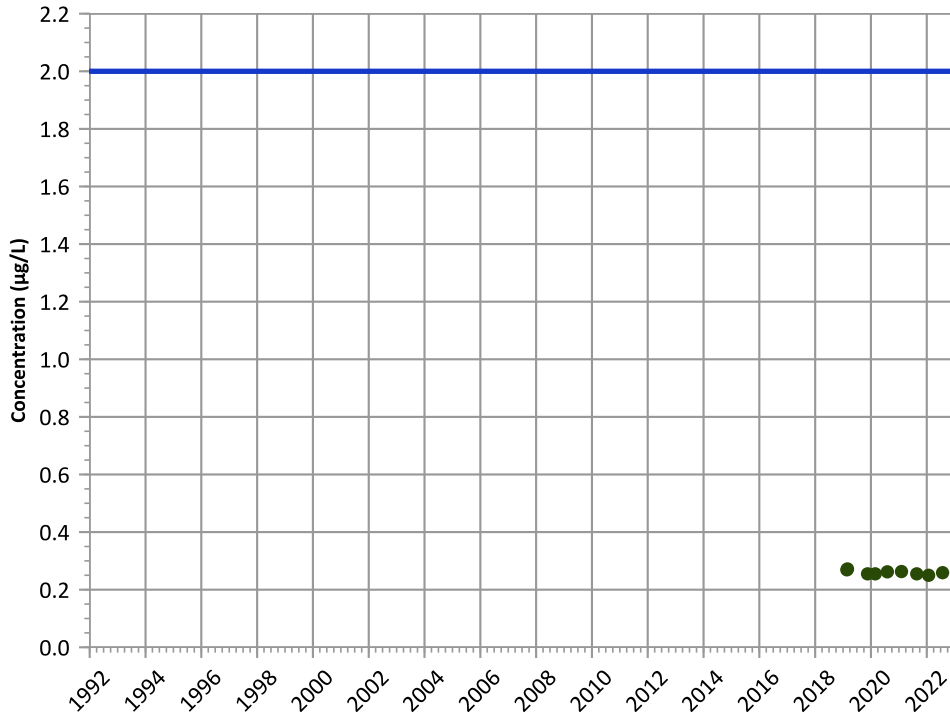
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

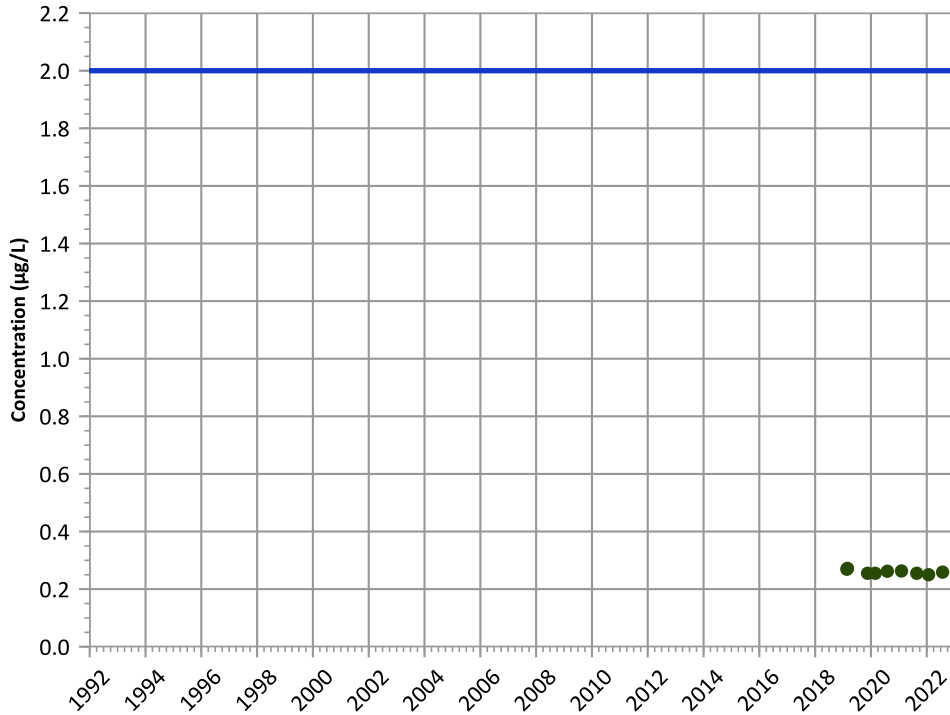


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**



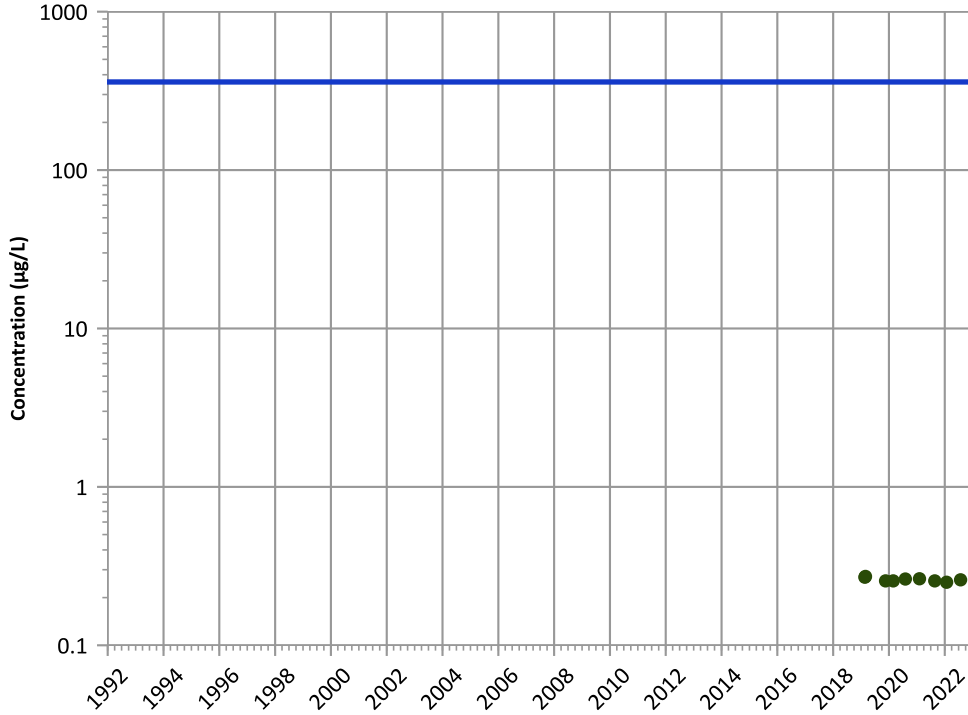
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

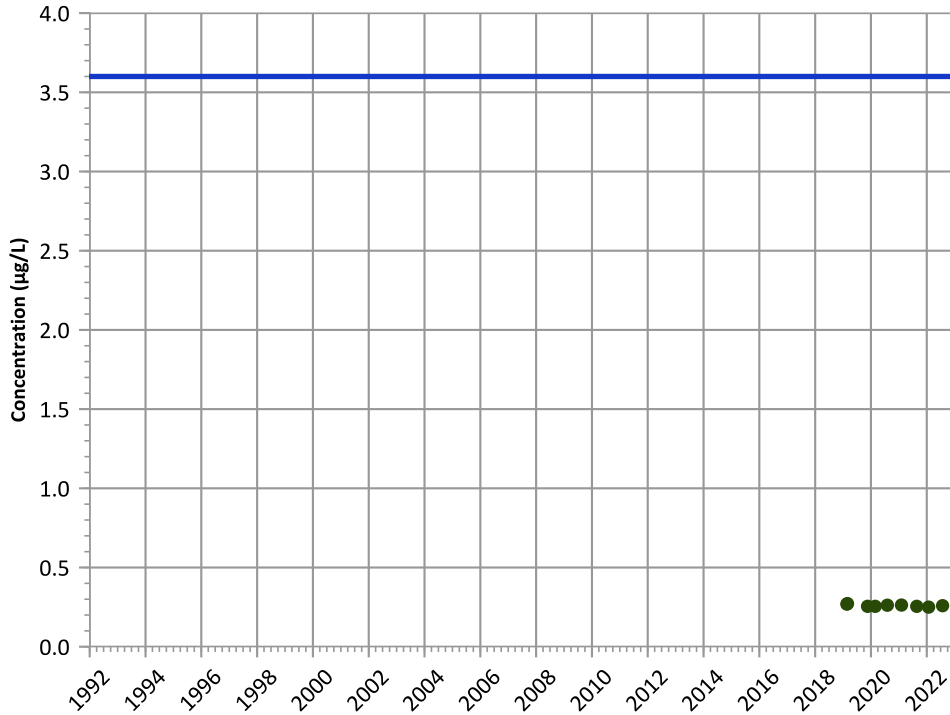


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

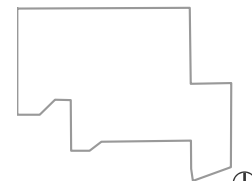
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

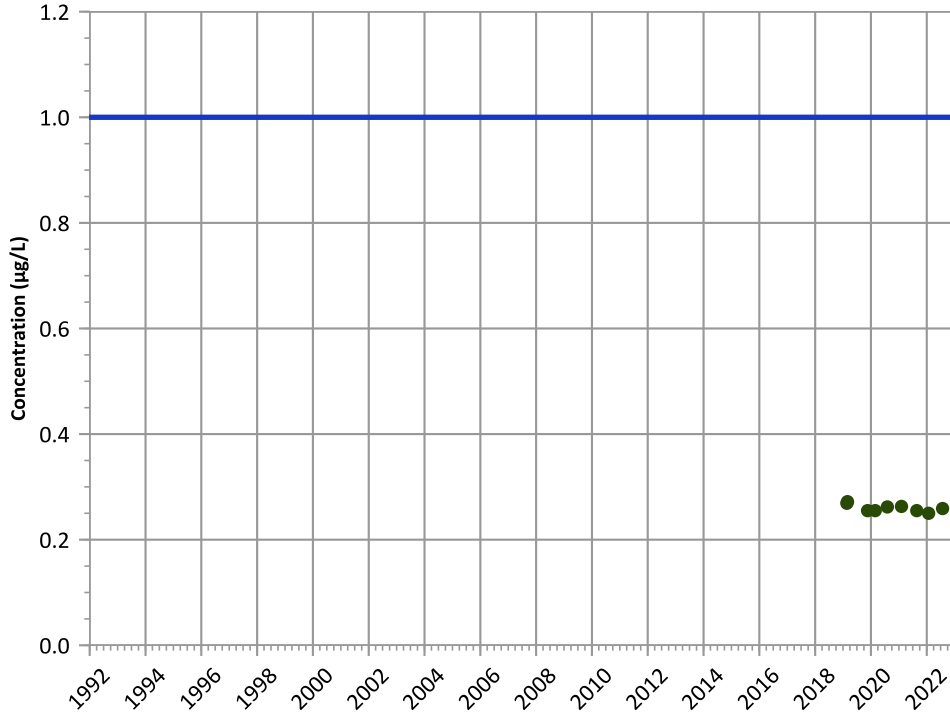
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

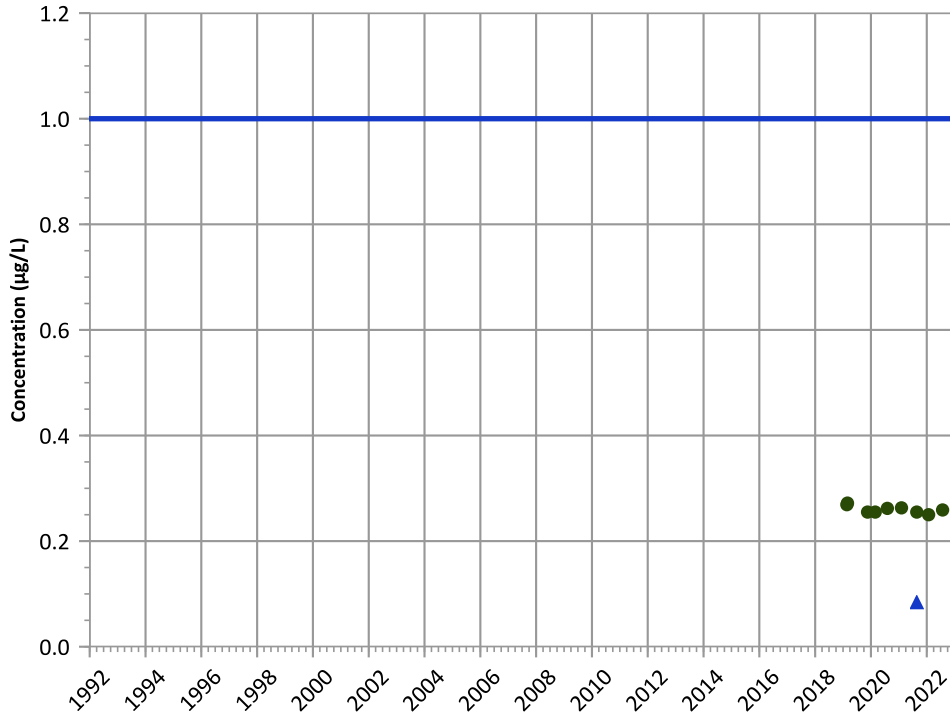
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

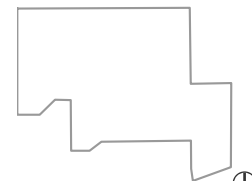
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

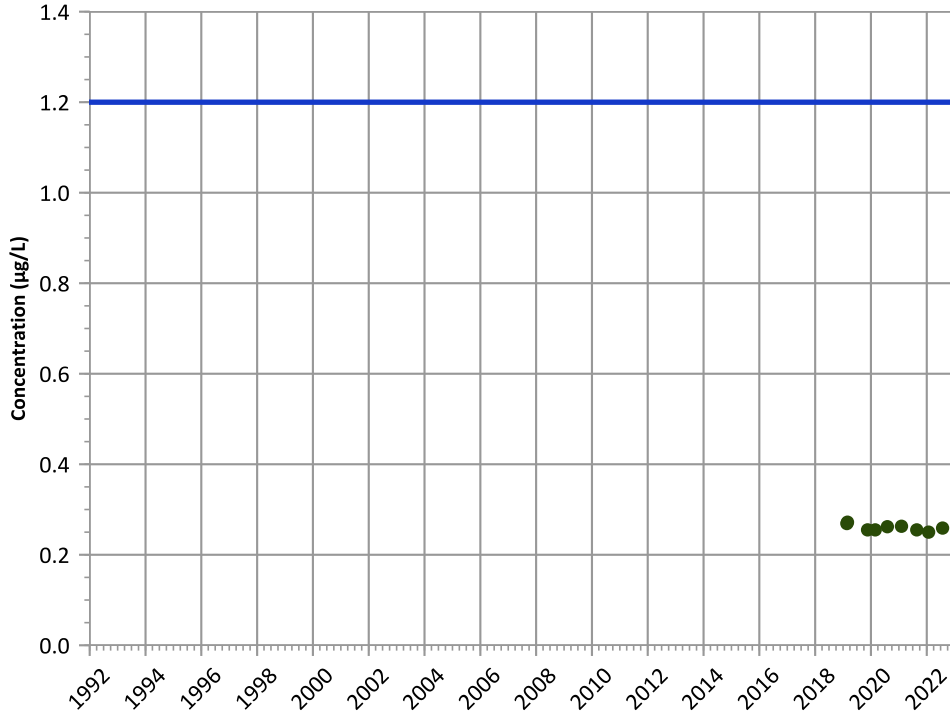


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

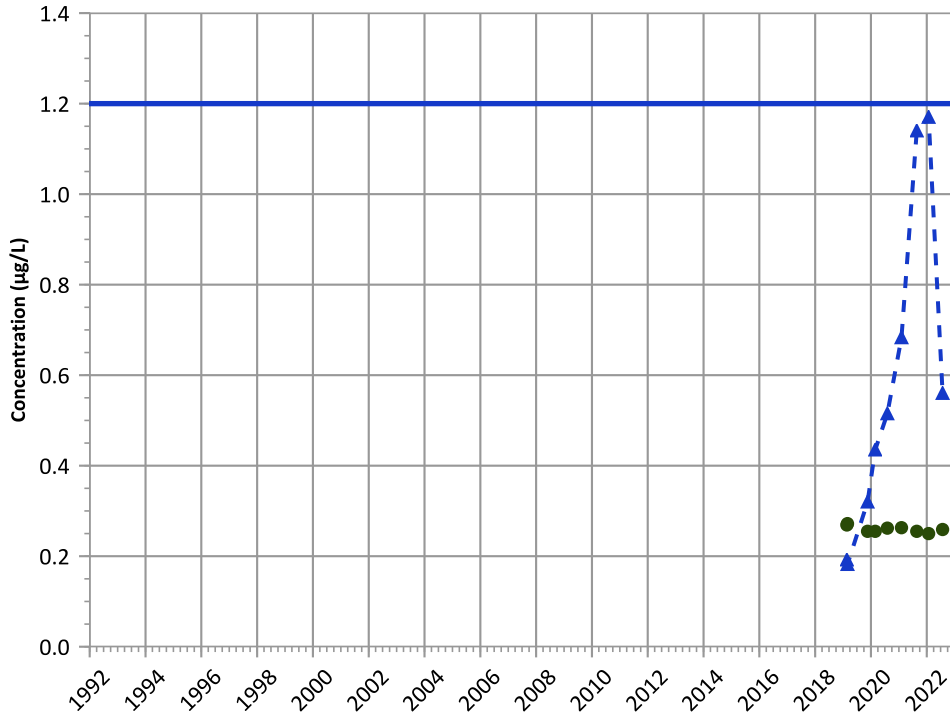
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Well Location

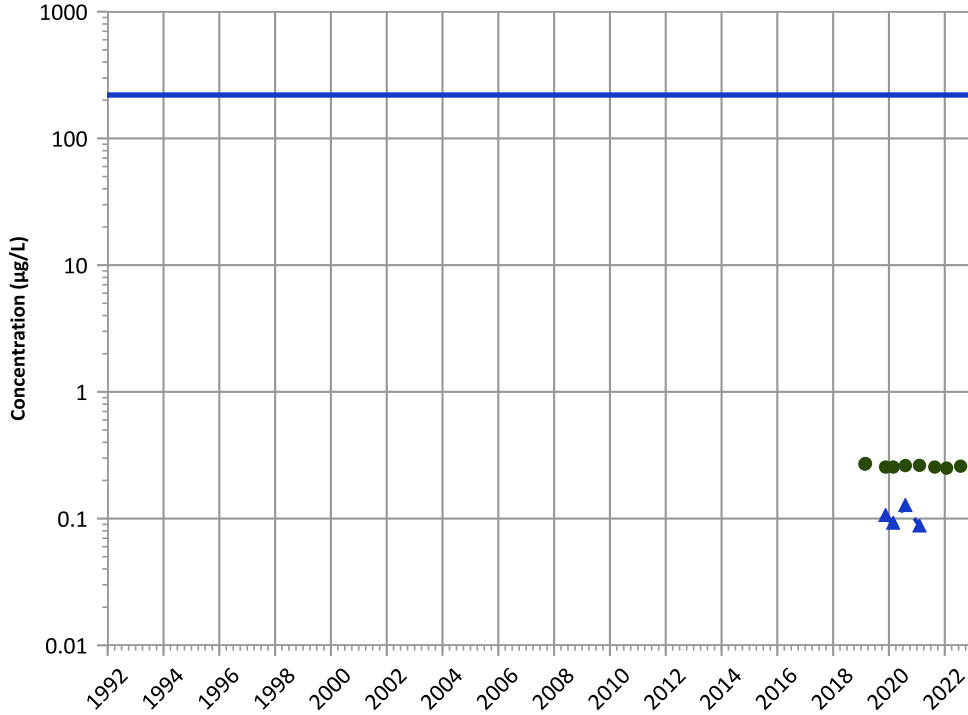


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

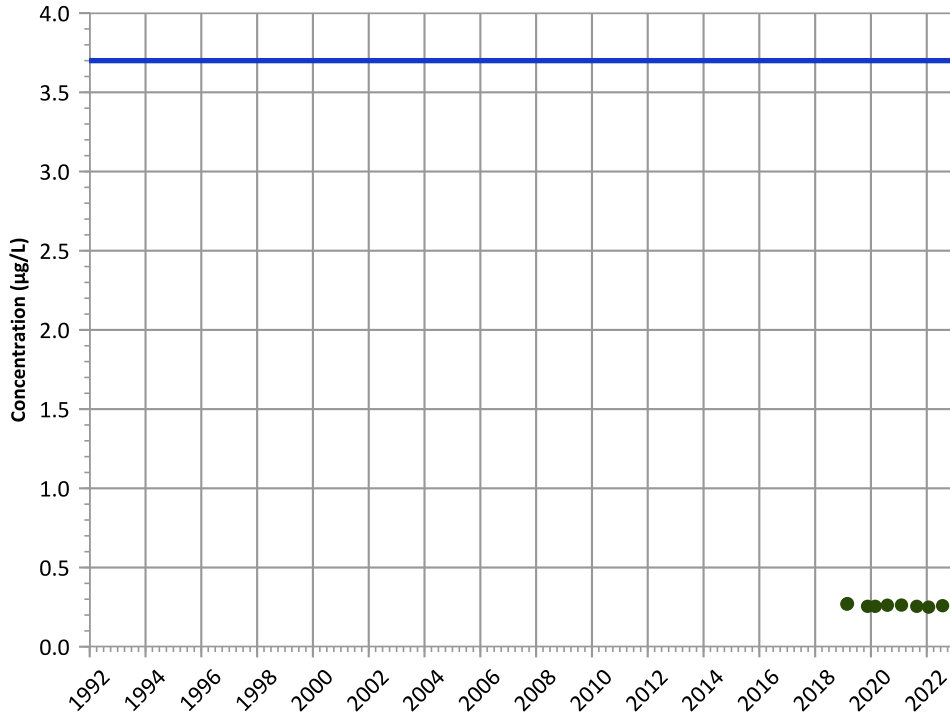


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

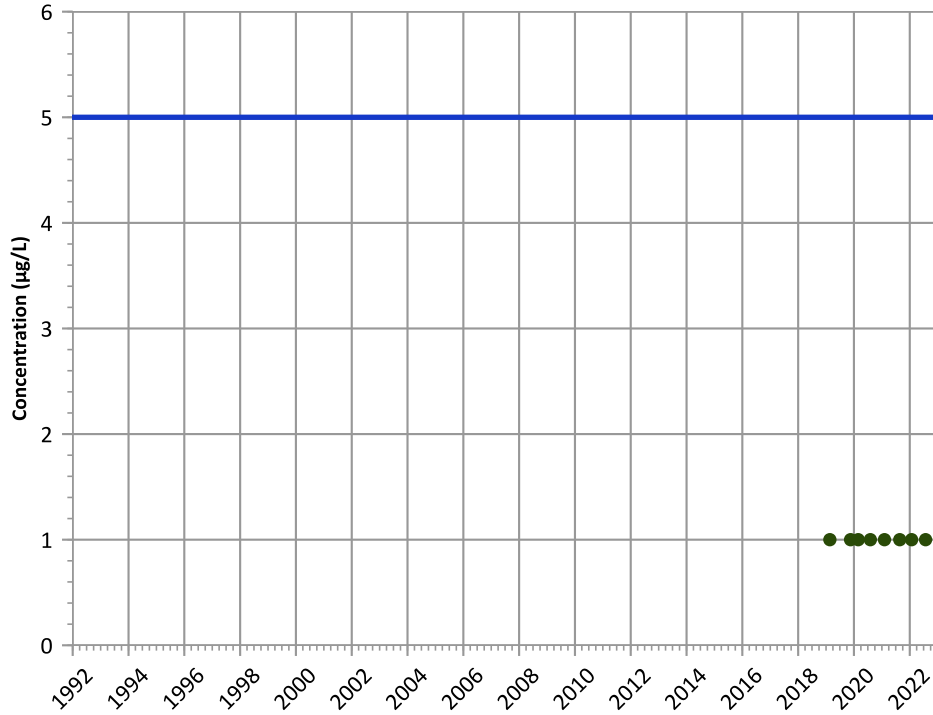
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

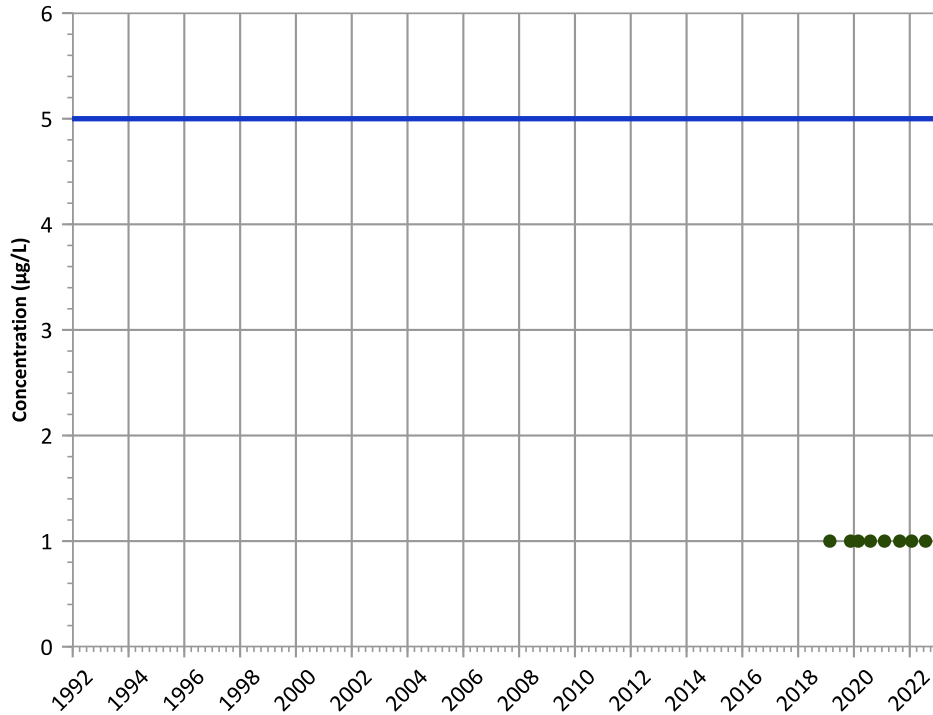
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

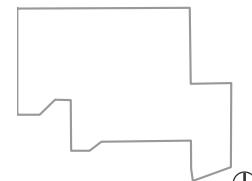
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

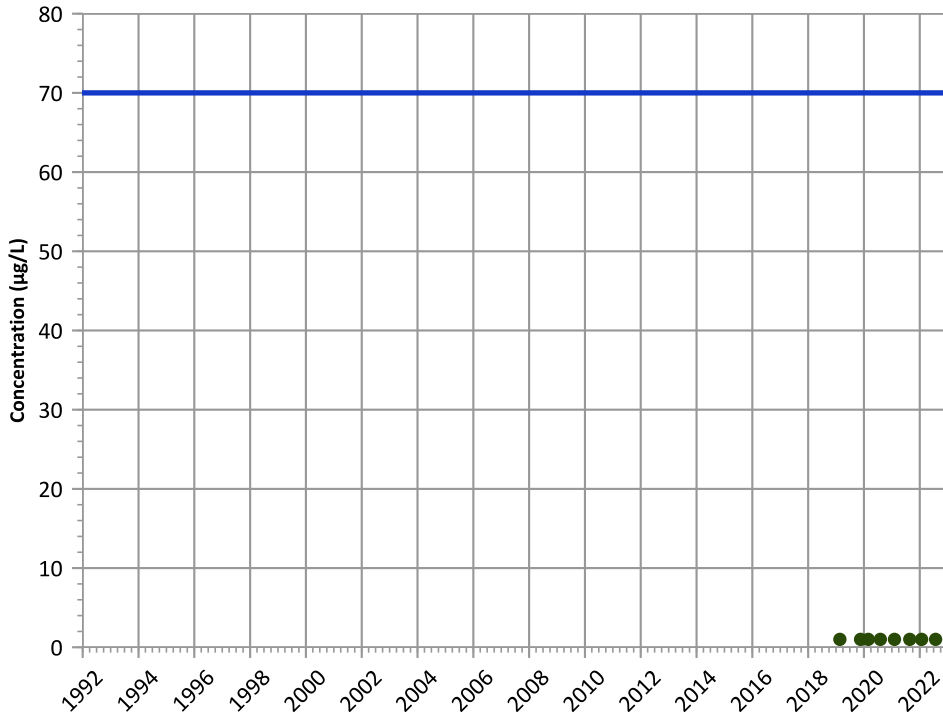
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

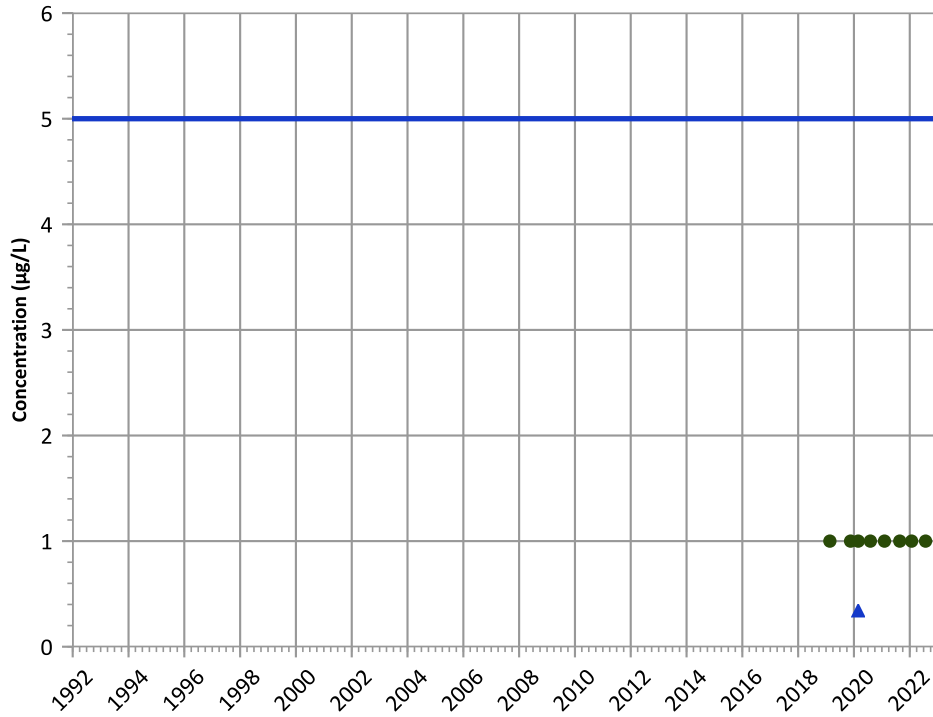


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

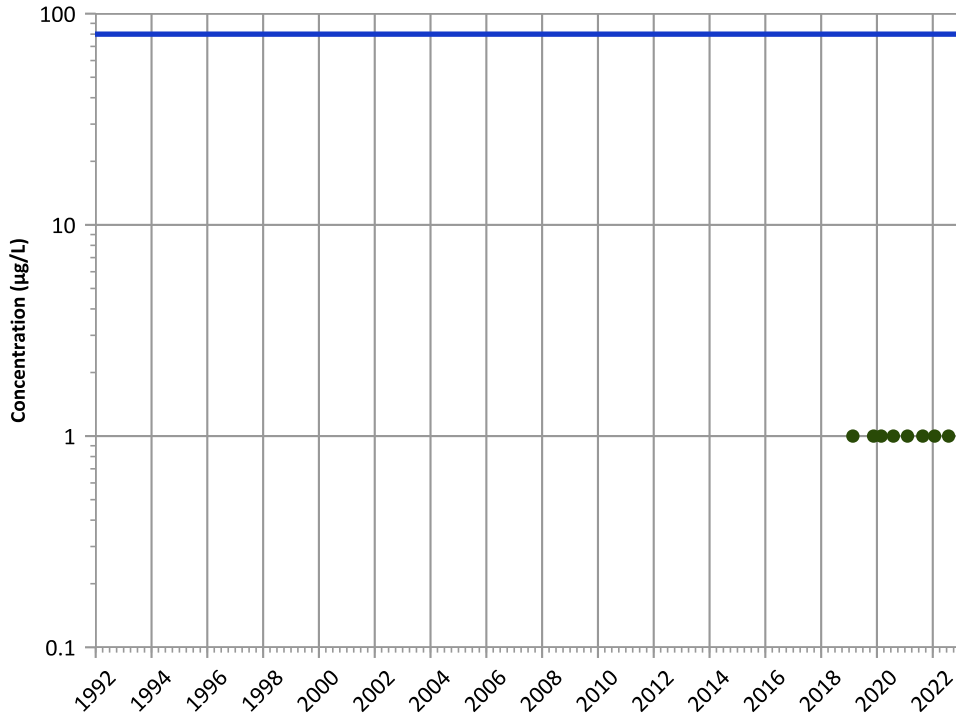
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

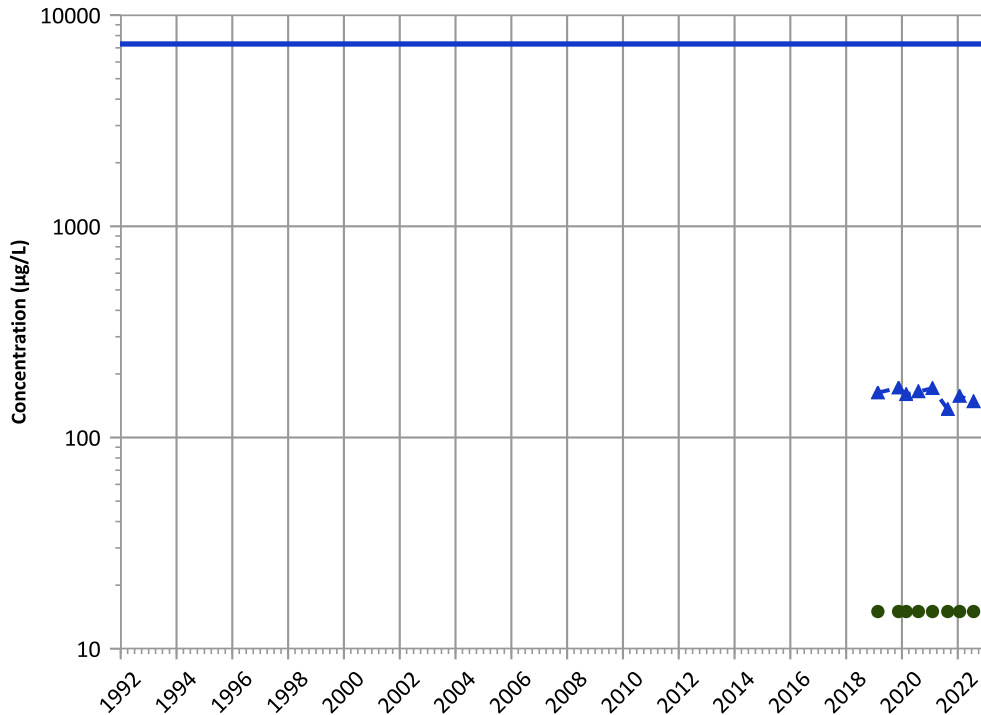


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

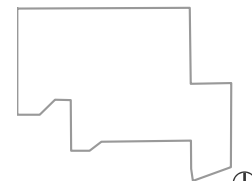


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

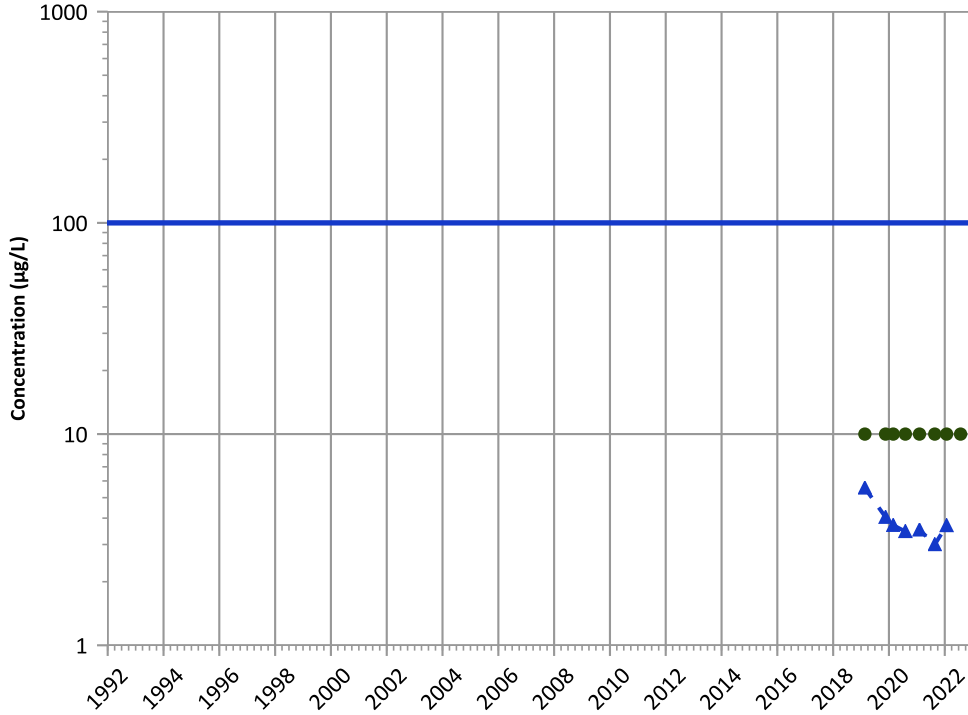
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

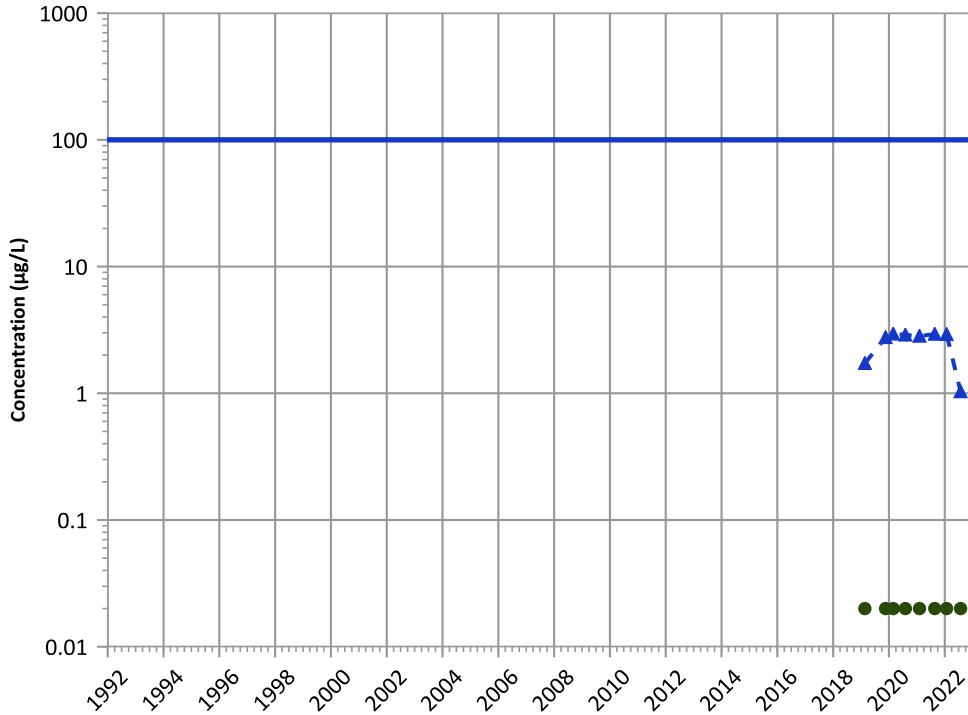


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Chromium, Hexavalent Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

**Well Location**



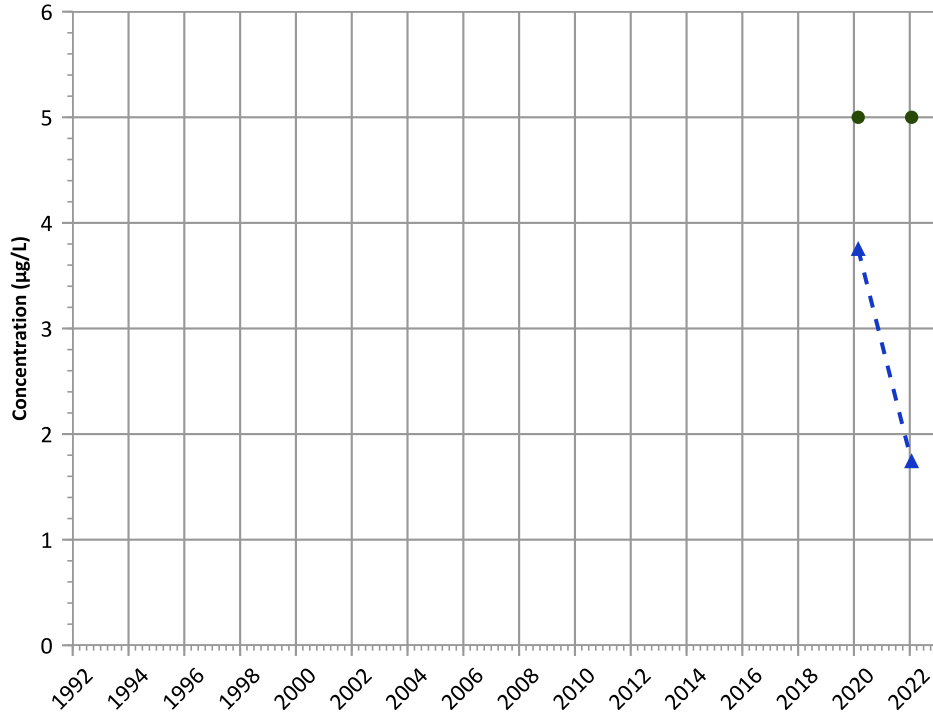
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

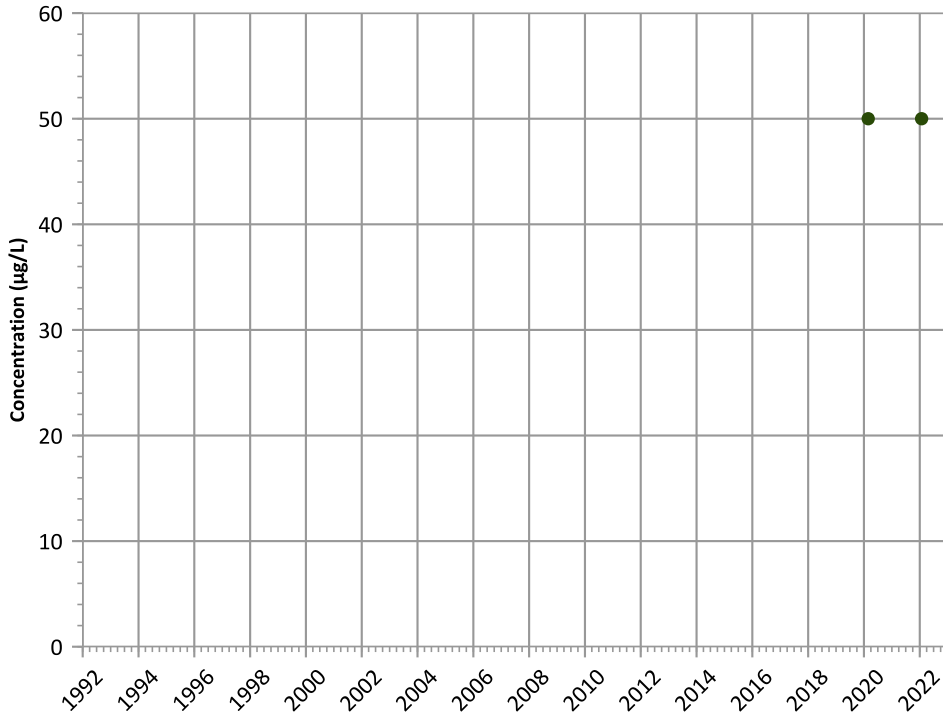


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

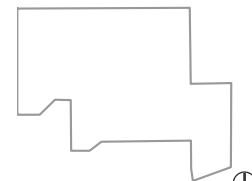


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

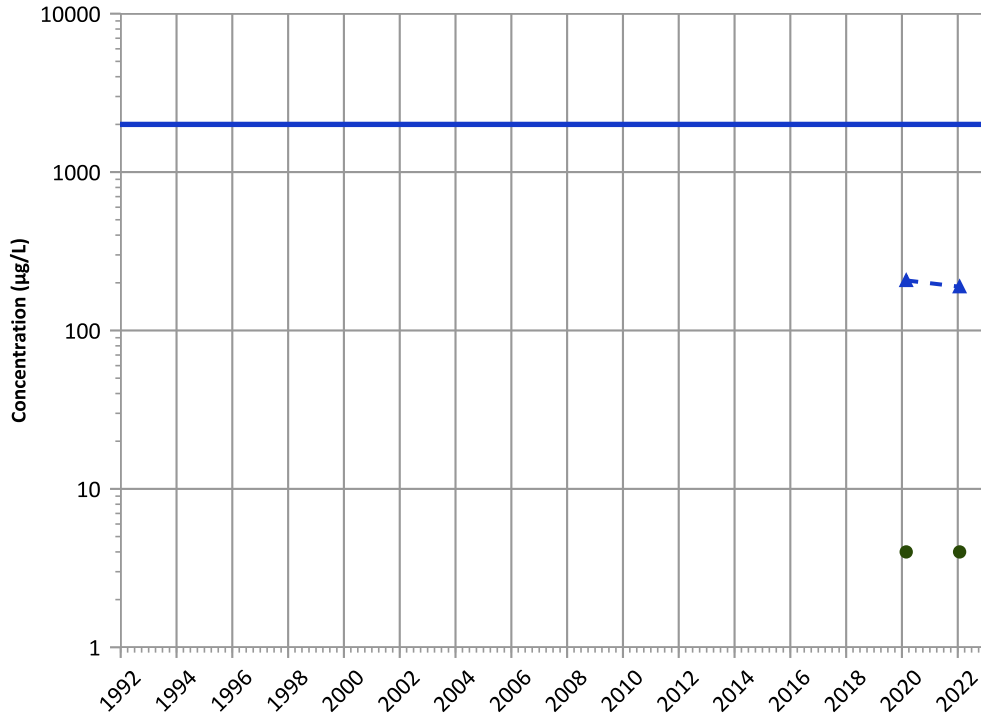


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

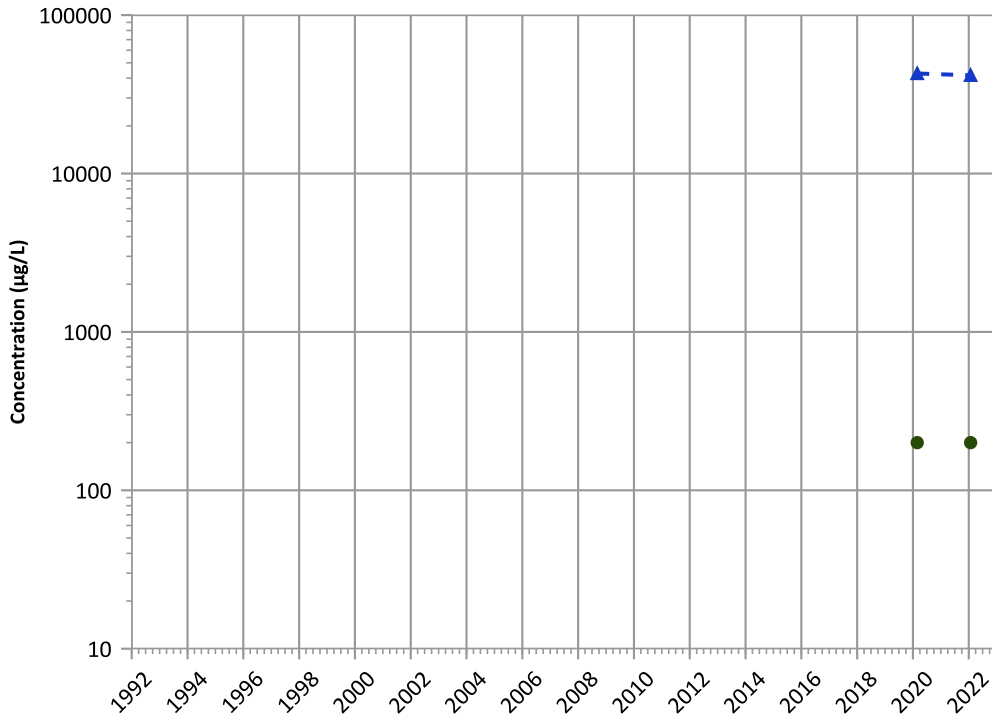


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

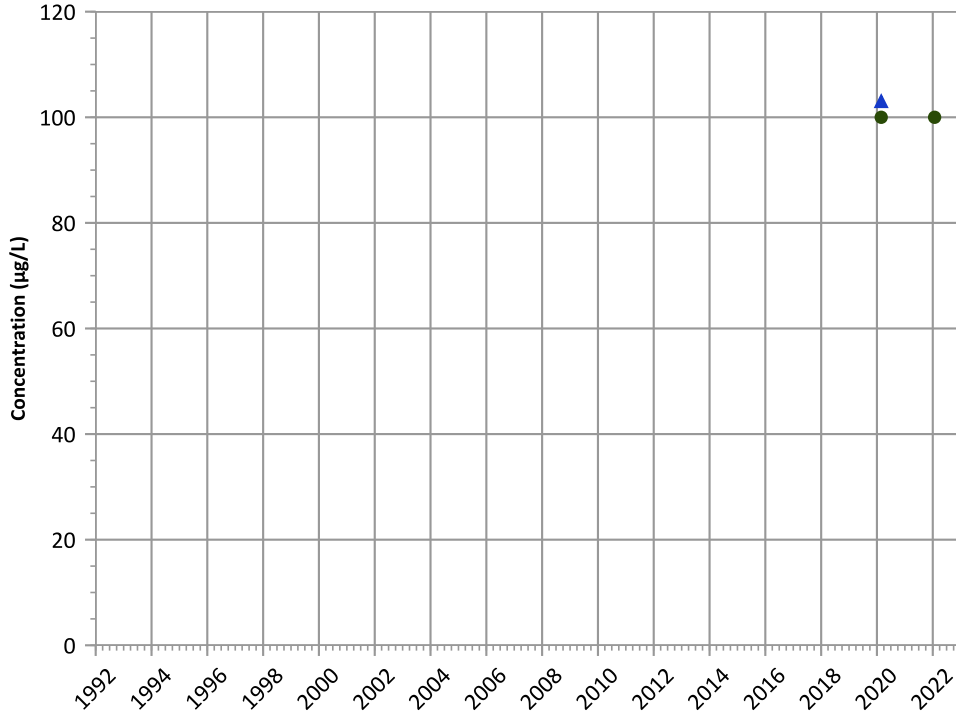


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

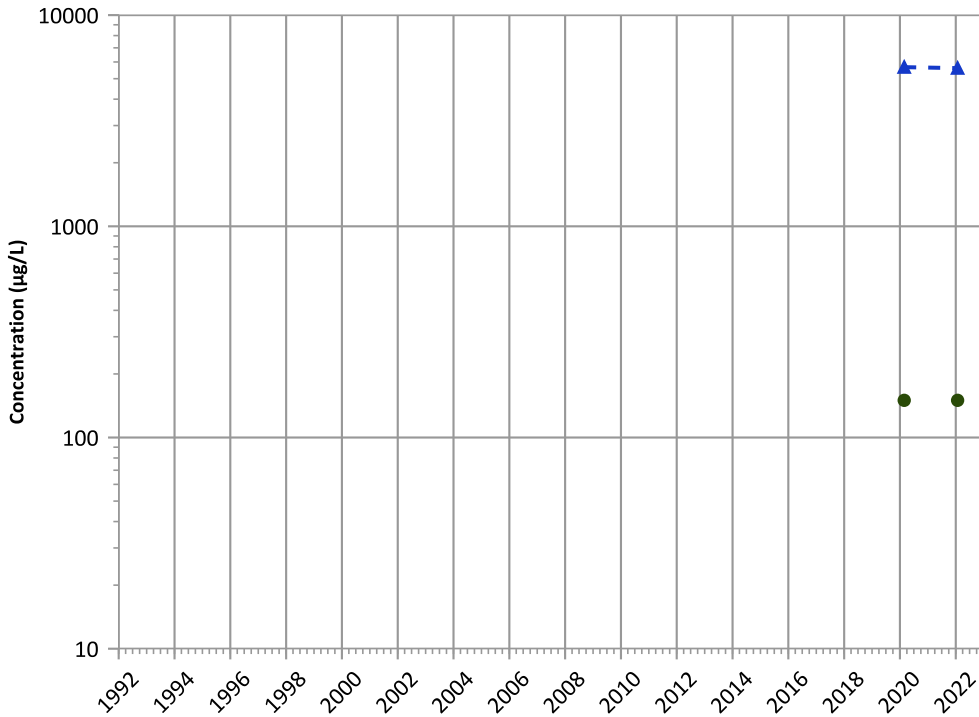


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

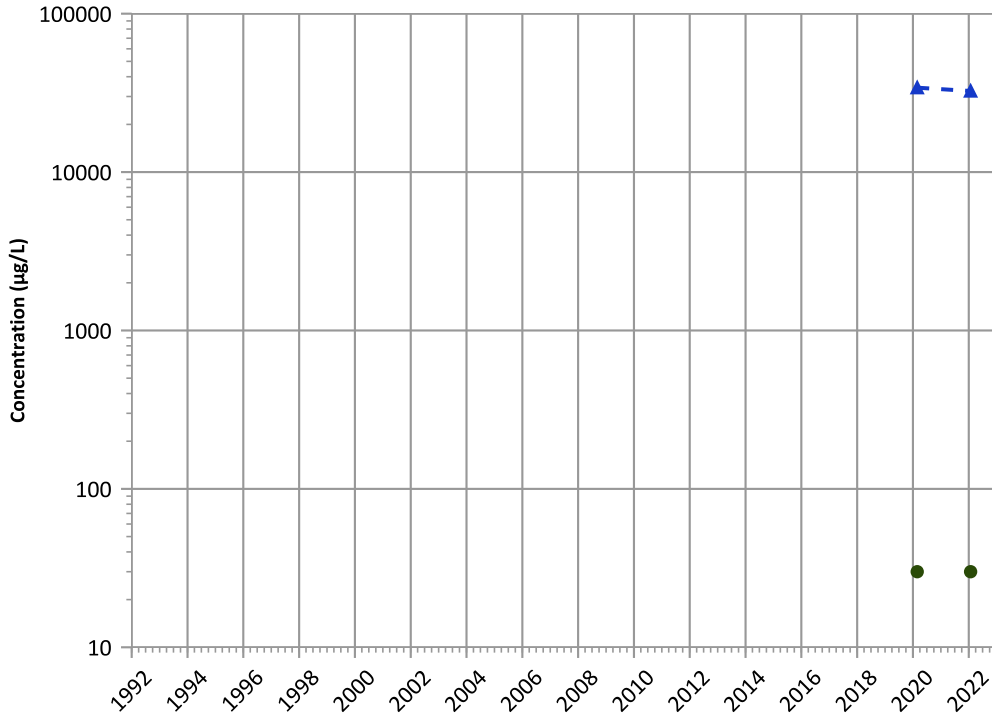


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1204 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

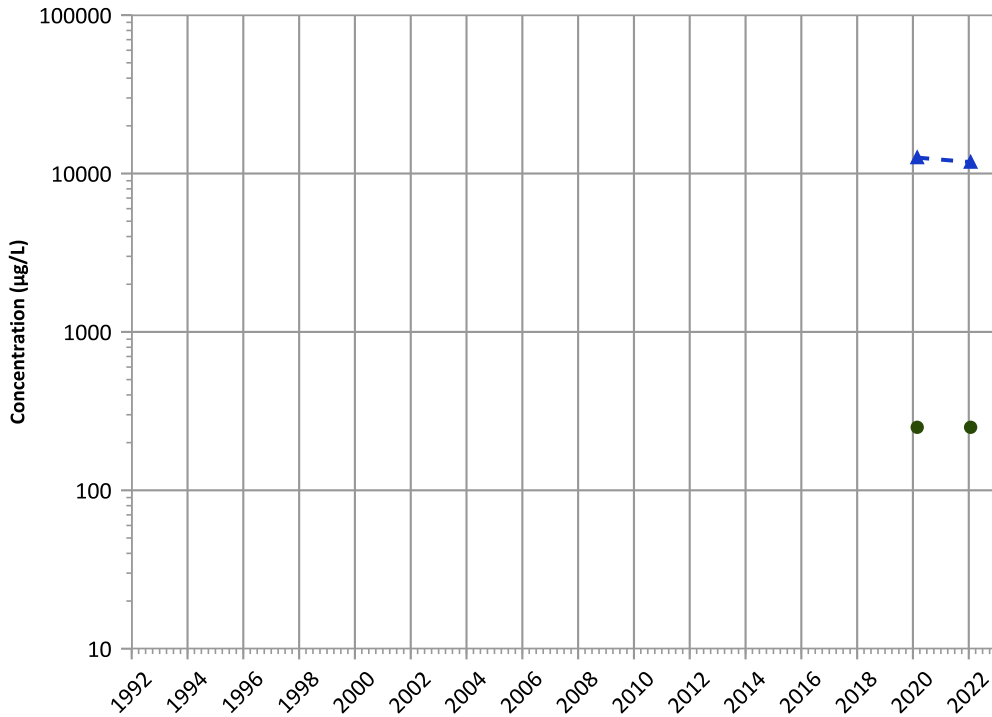


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

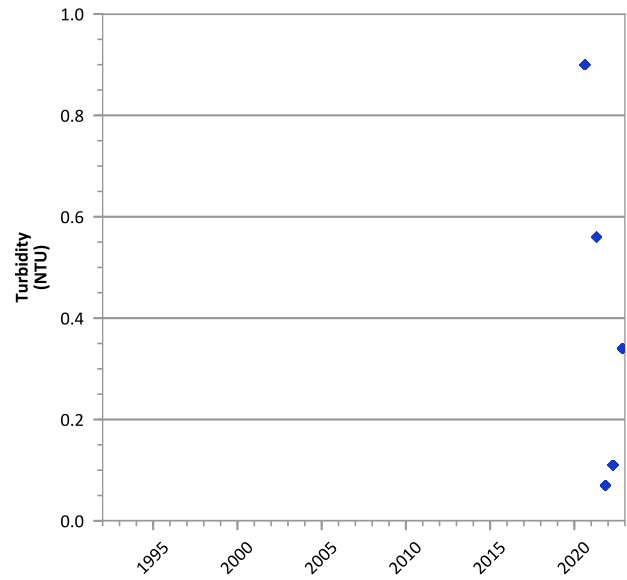
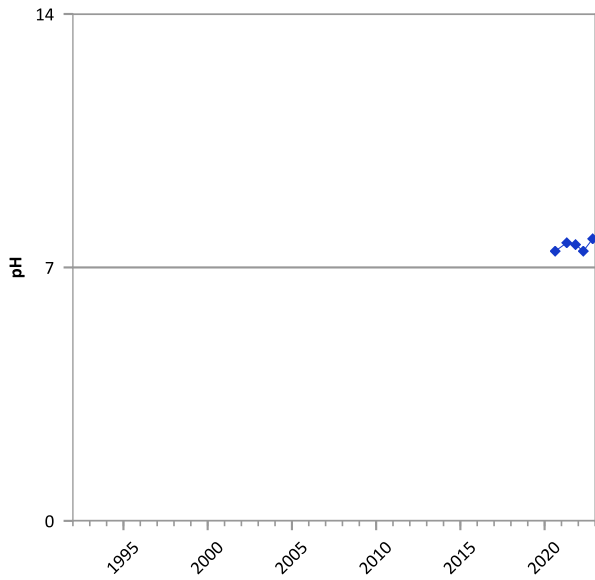
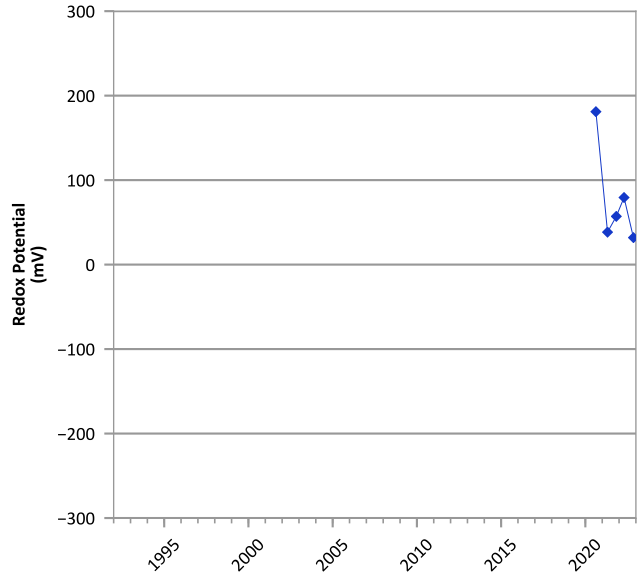
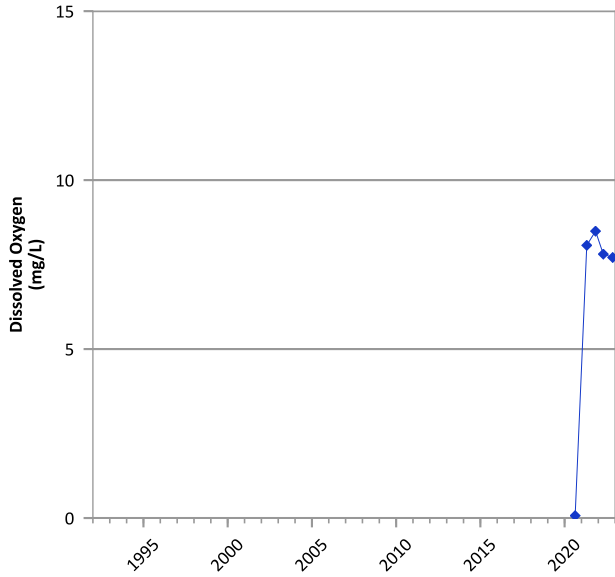
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/20/2019 to 07/27/2022  
Analysis Date: 04/27/2023

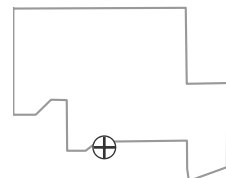
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



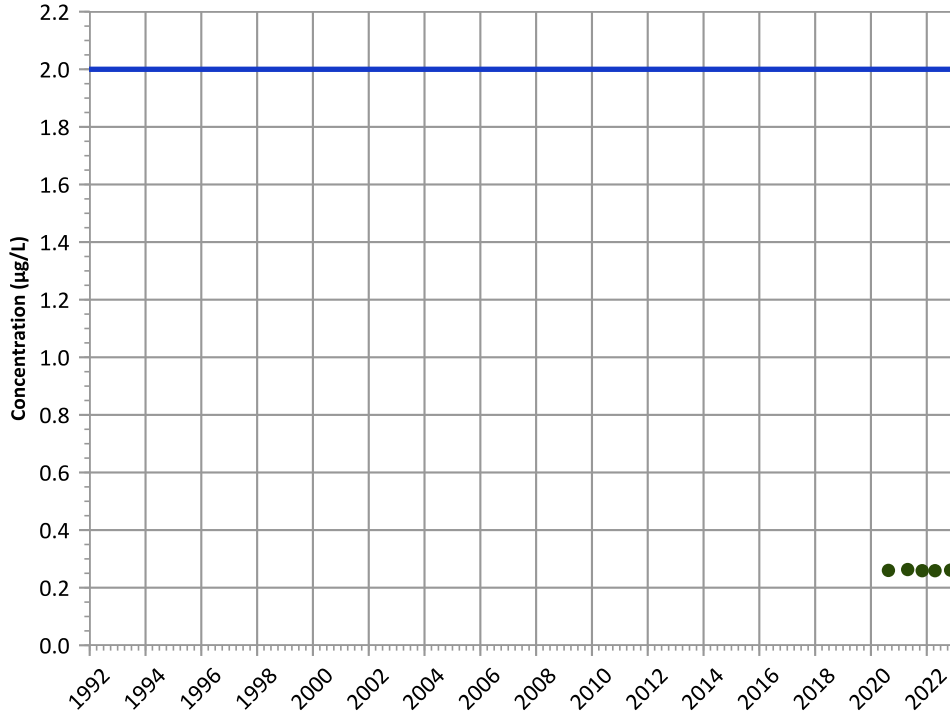
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/17/2020 to 11/09/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

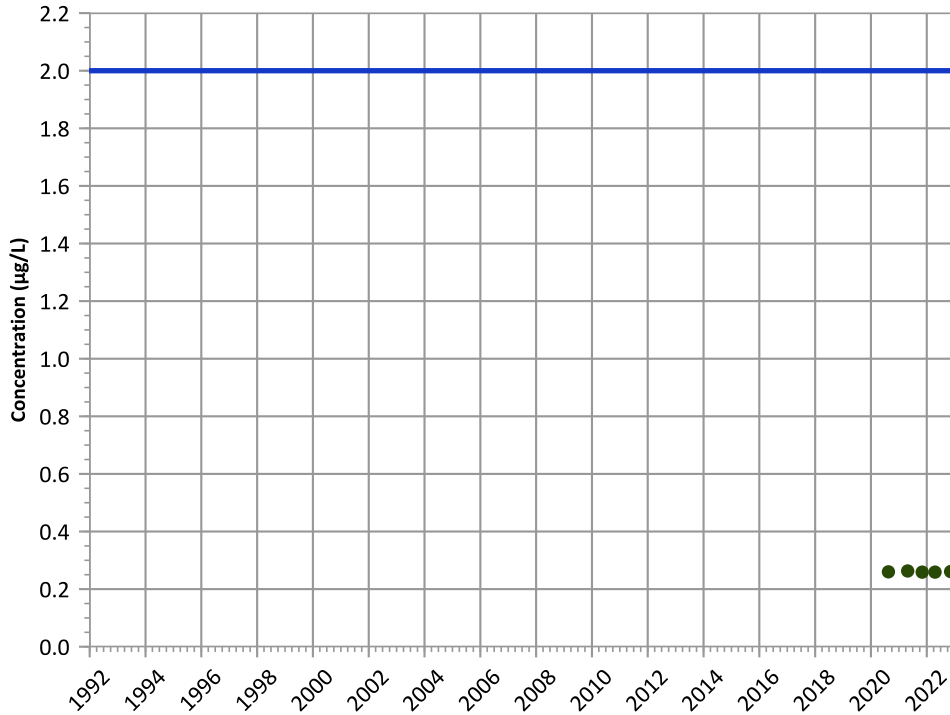
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

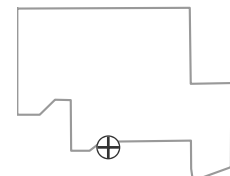
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 08/17/2020 to 11/09/2022

Analysis Date: 04/27/2023

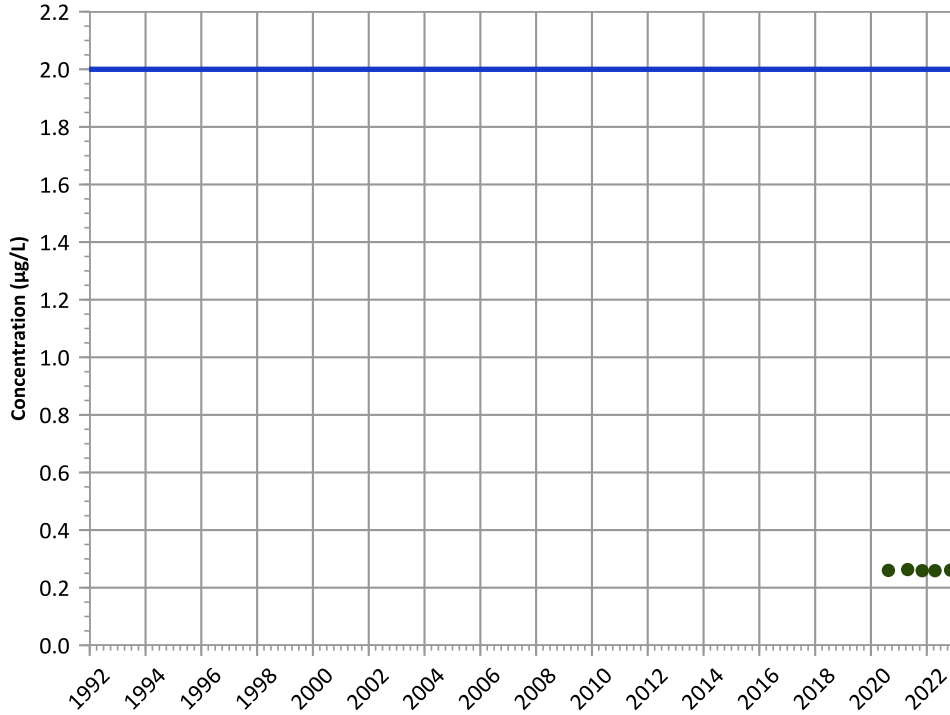
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

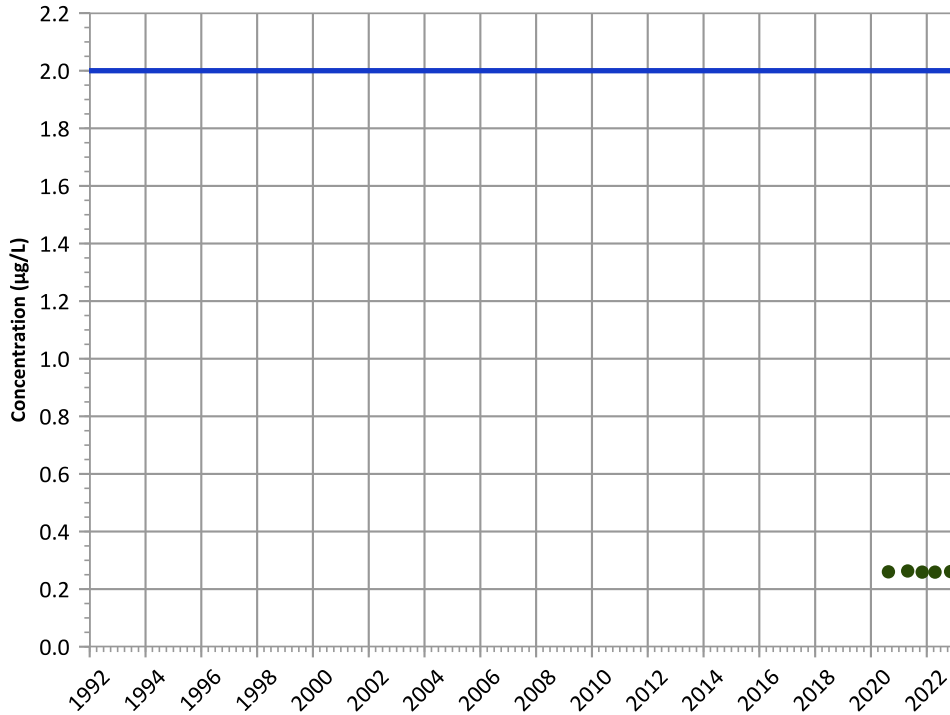
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

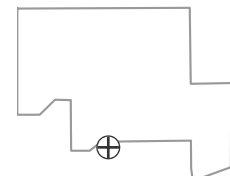
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 08/17/2020 to 11/09/2022

Analysis Date: 04/27/2023

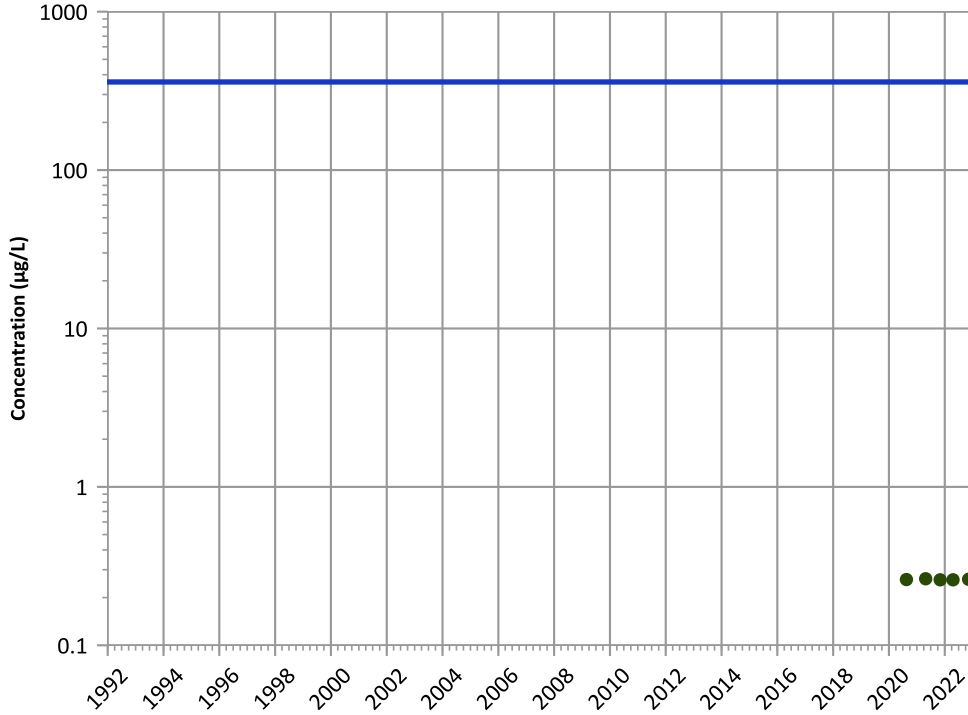
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

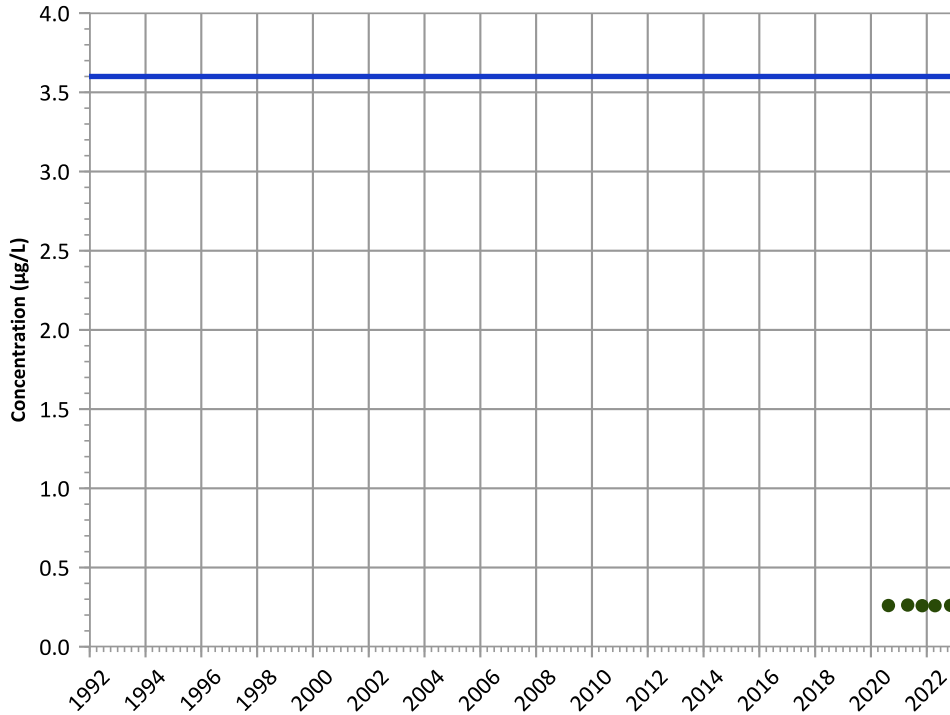
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

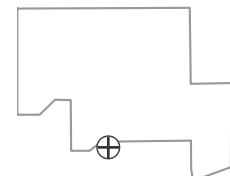
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

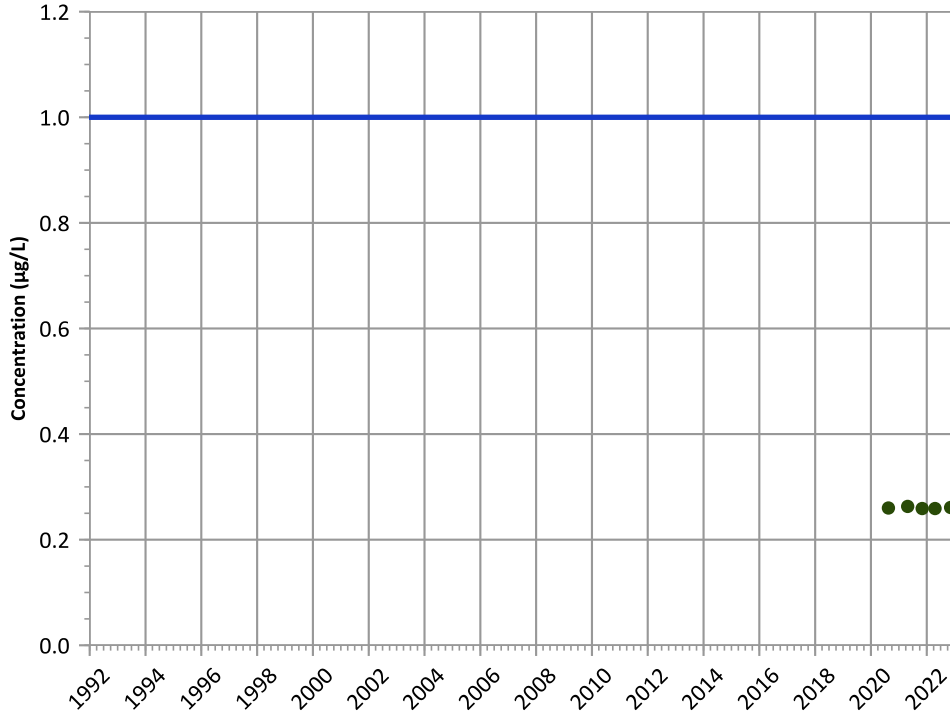
Well Location





PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

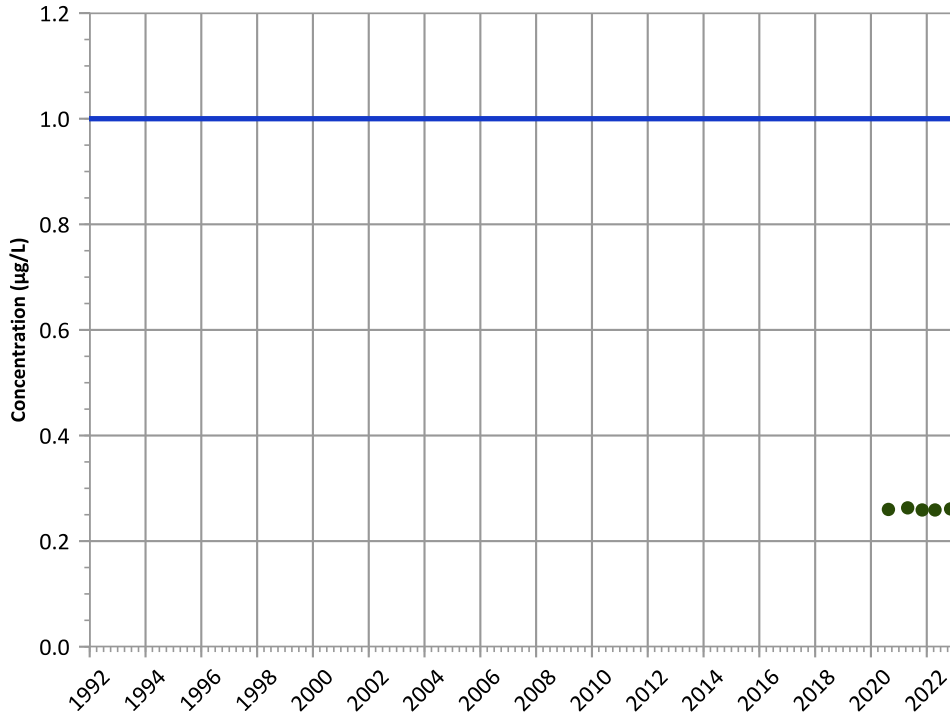
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

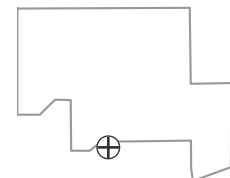
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

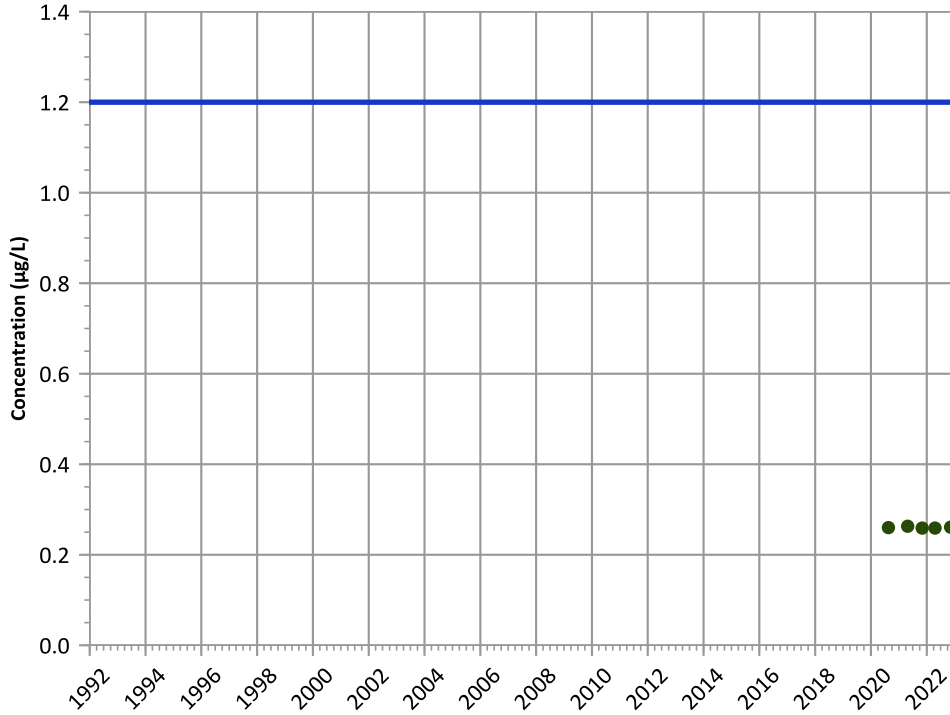
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

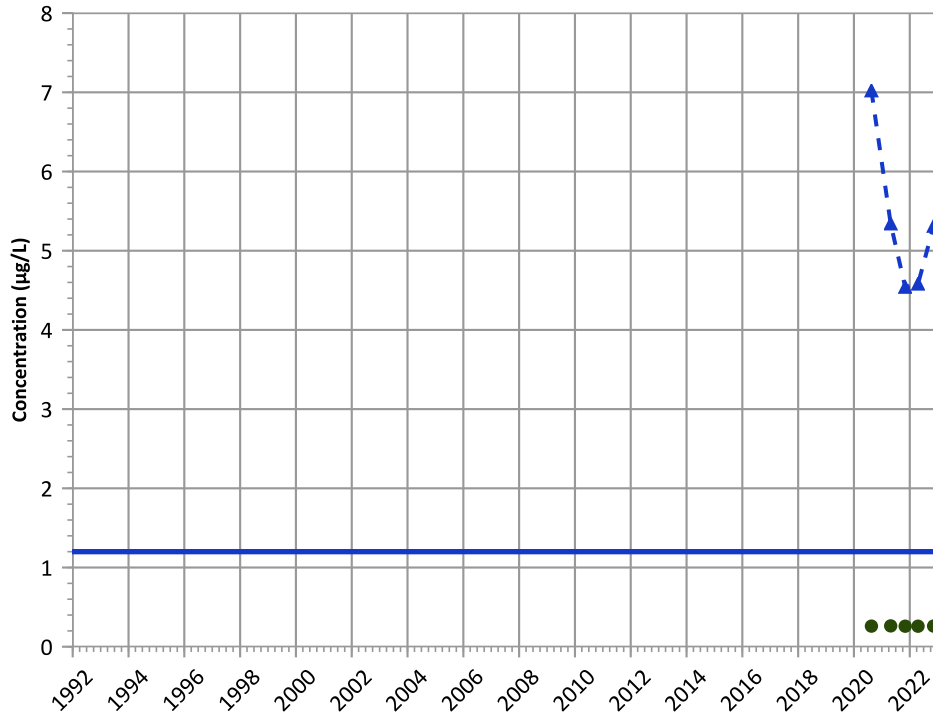
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

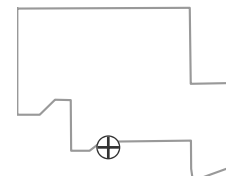
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

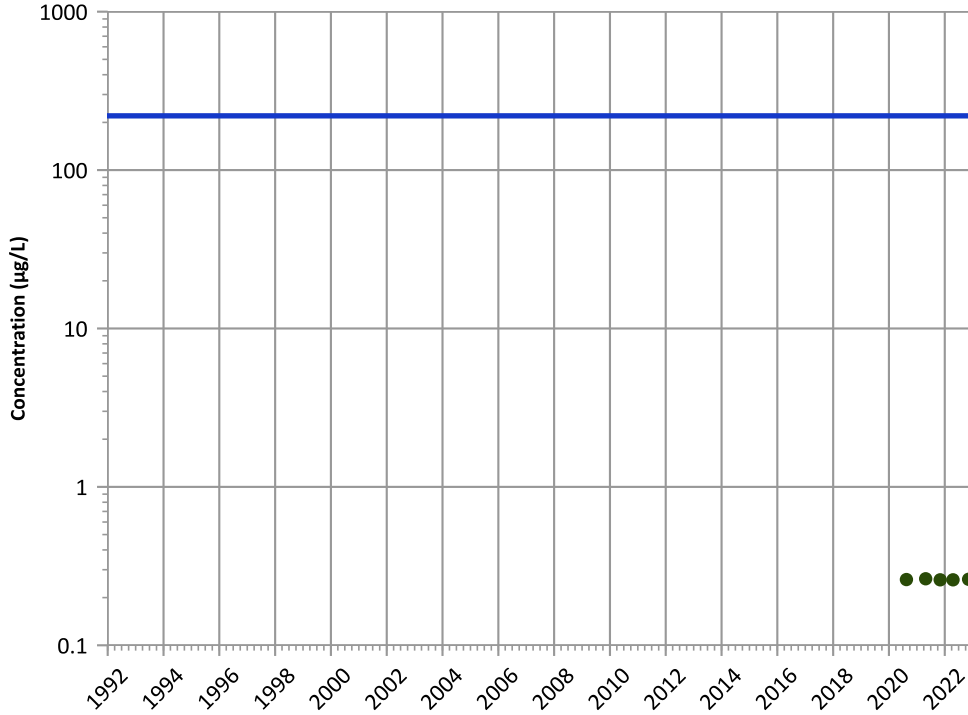
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

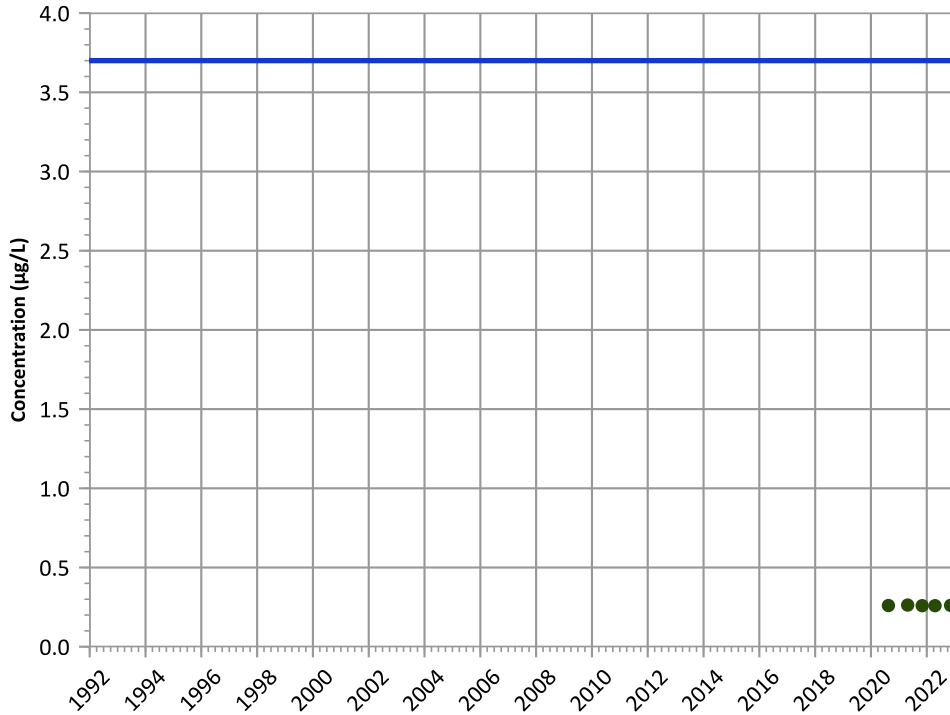
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

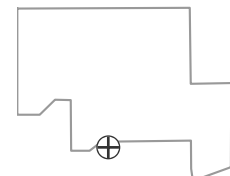
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

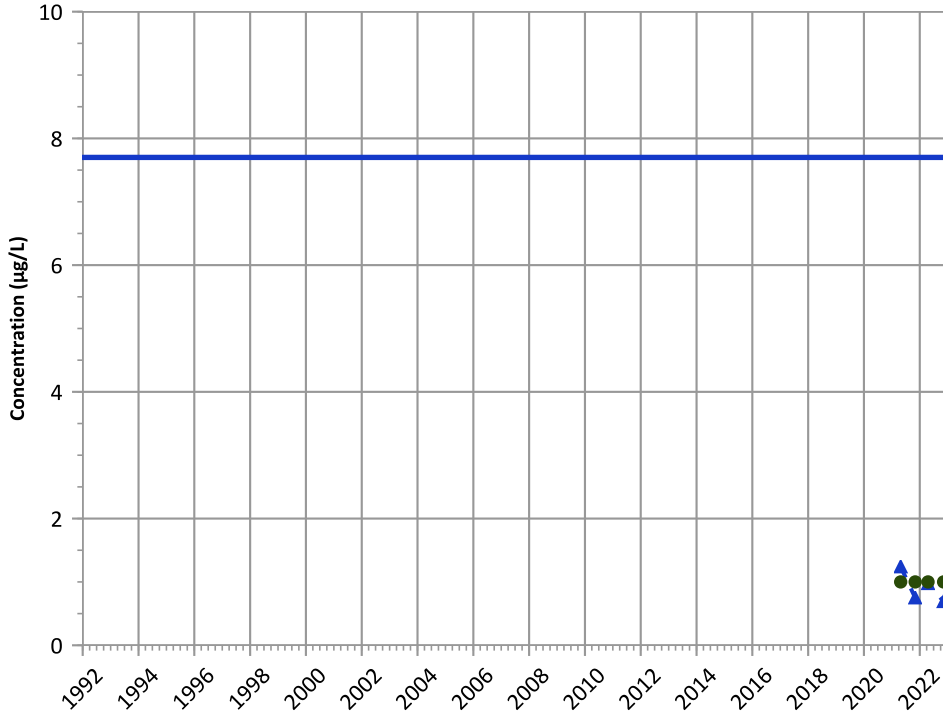
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

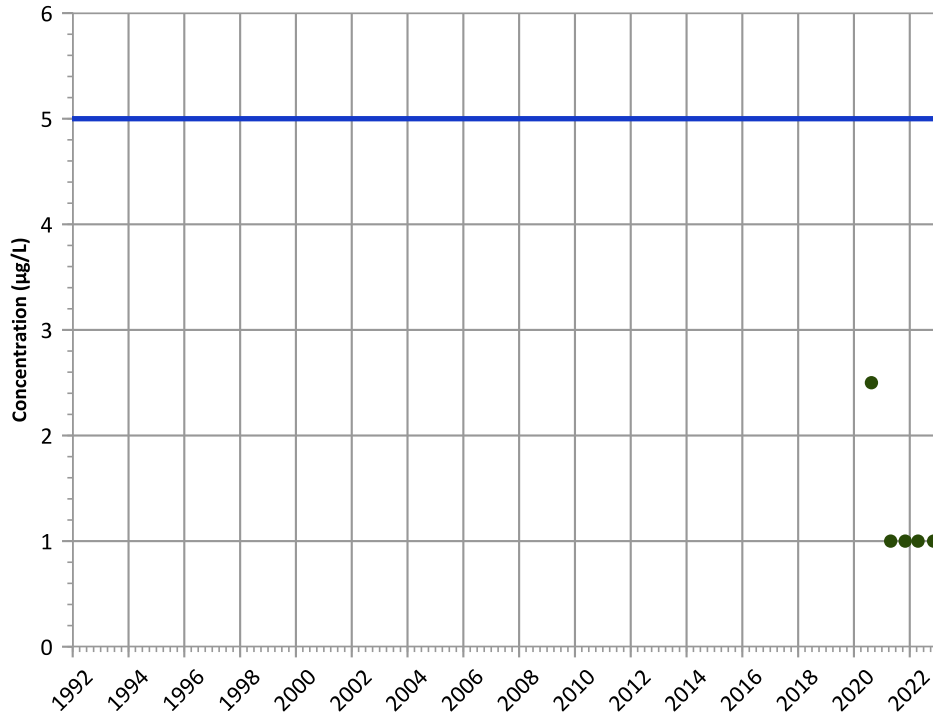


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Tetrachloroethylene (PCE) Trend

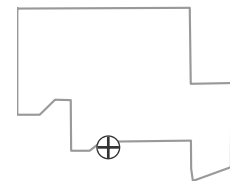


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

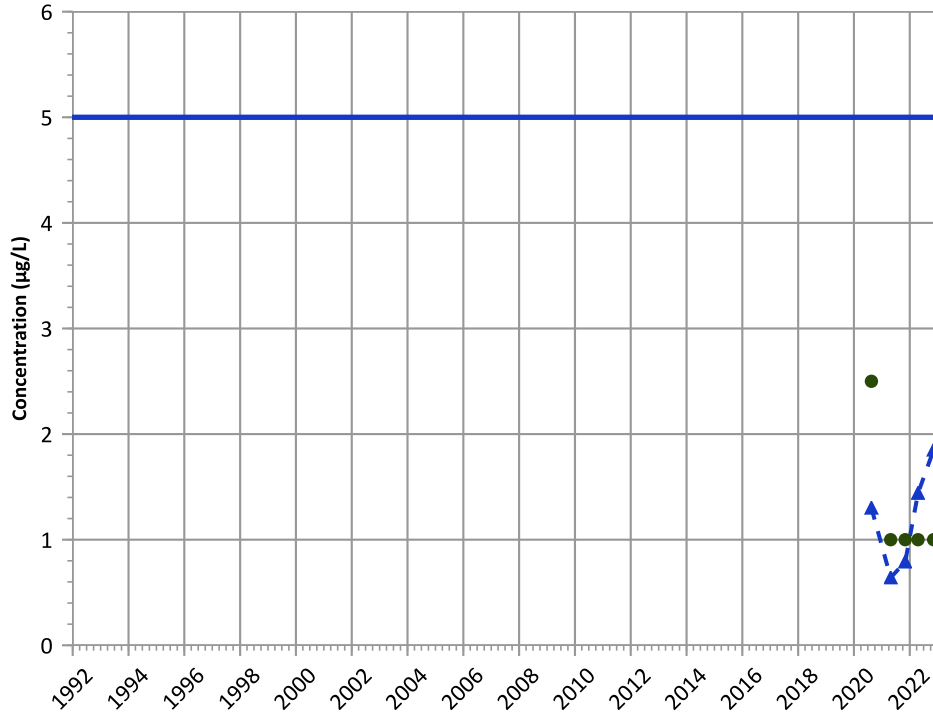


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant**

**Trichloroethene Trend**

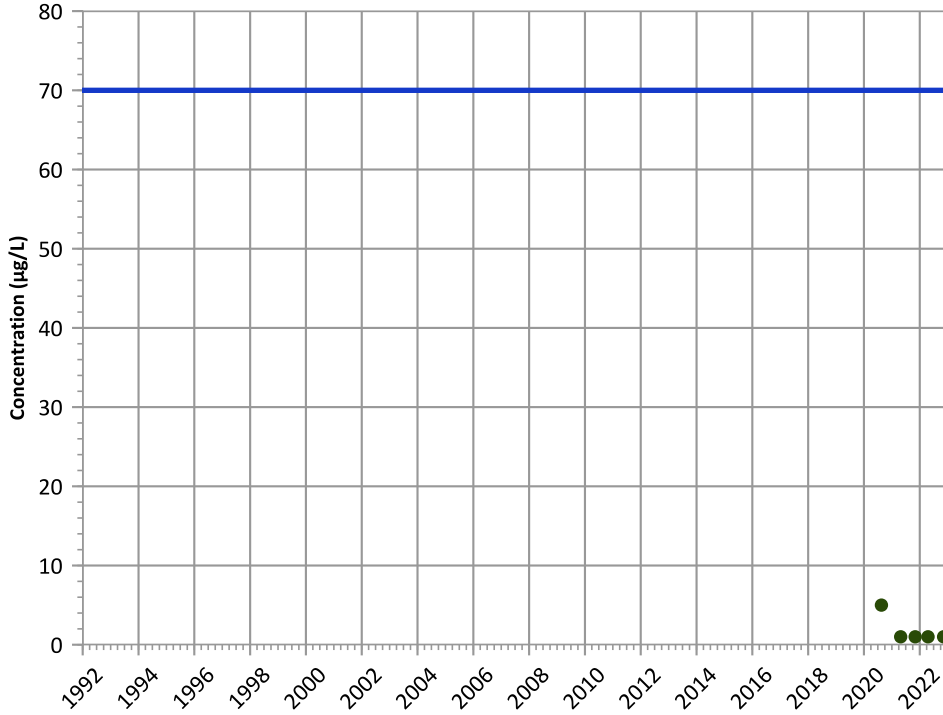


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

**cis-1,2-Dichloroethene Trend**



**Concentration Trend**

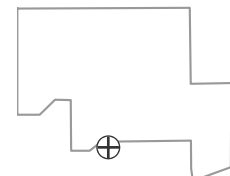
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

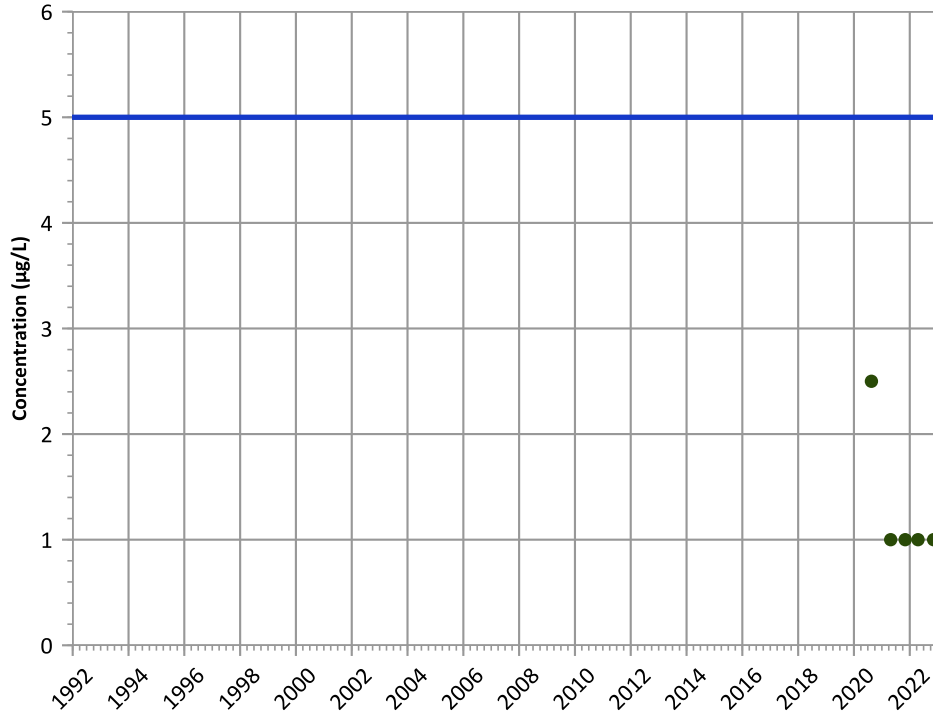
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

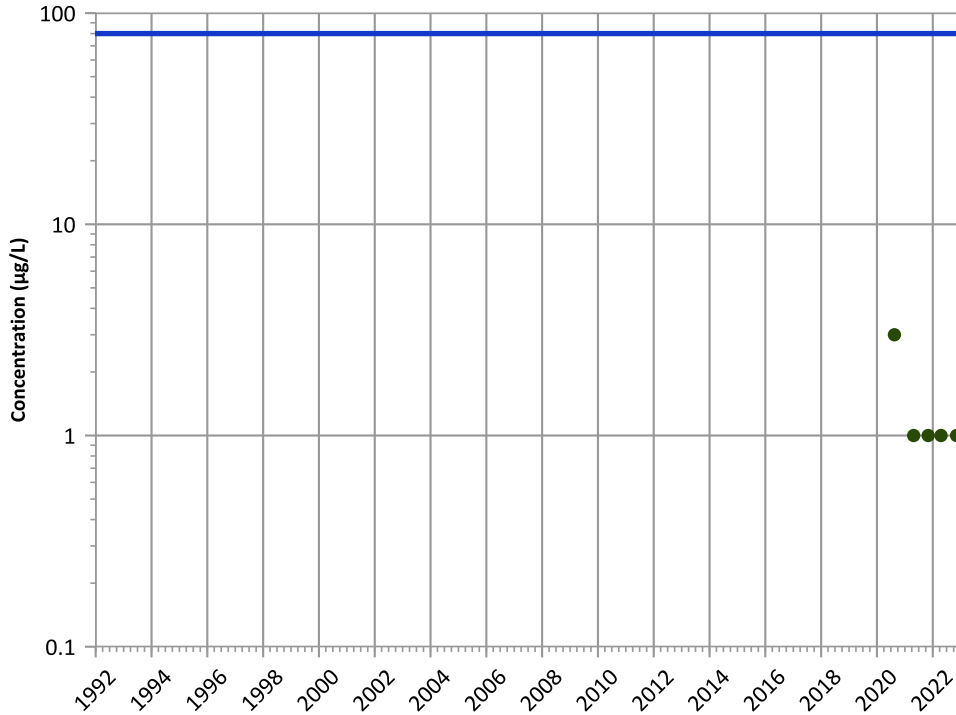
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

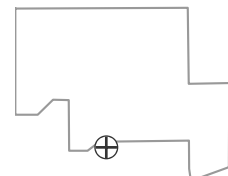
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

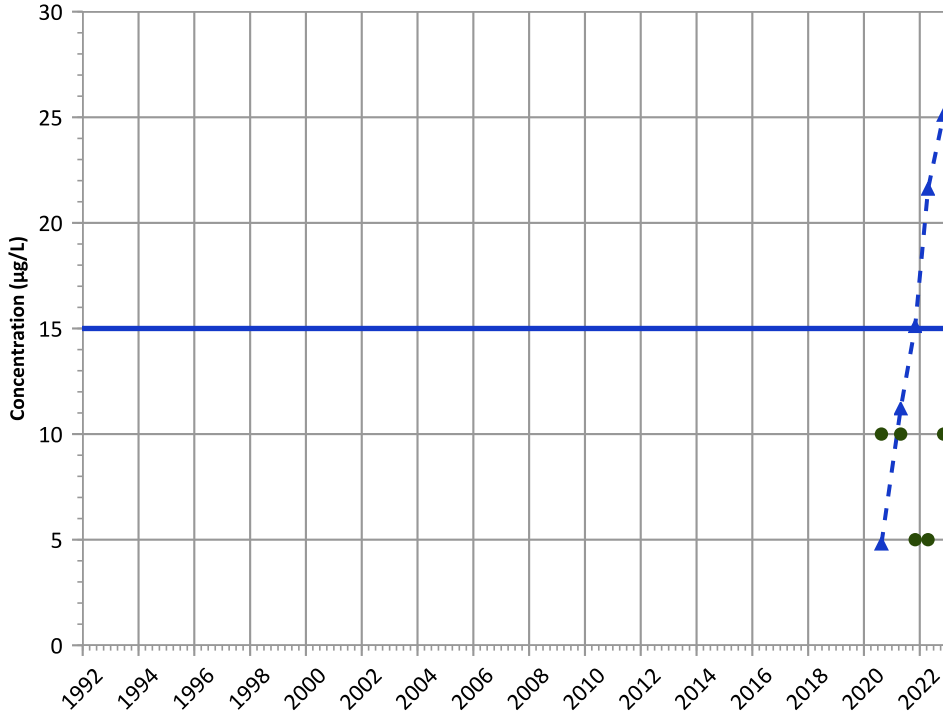
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

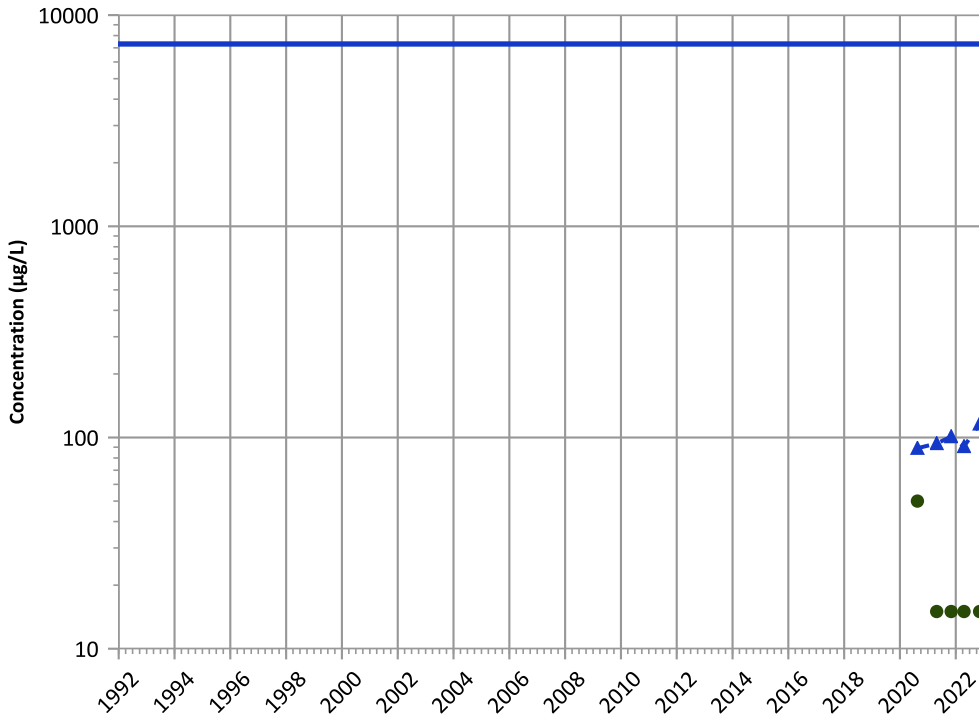


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Boron Trend

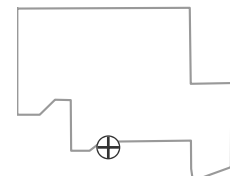


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Well Location

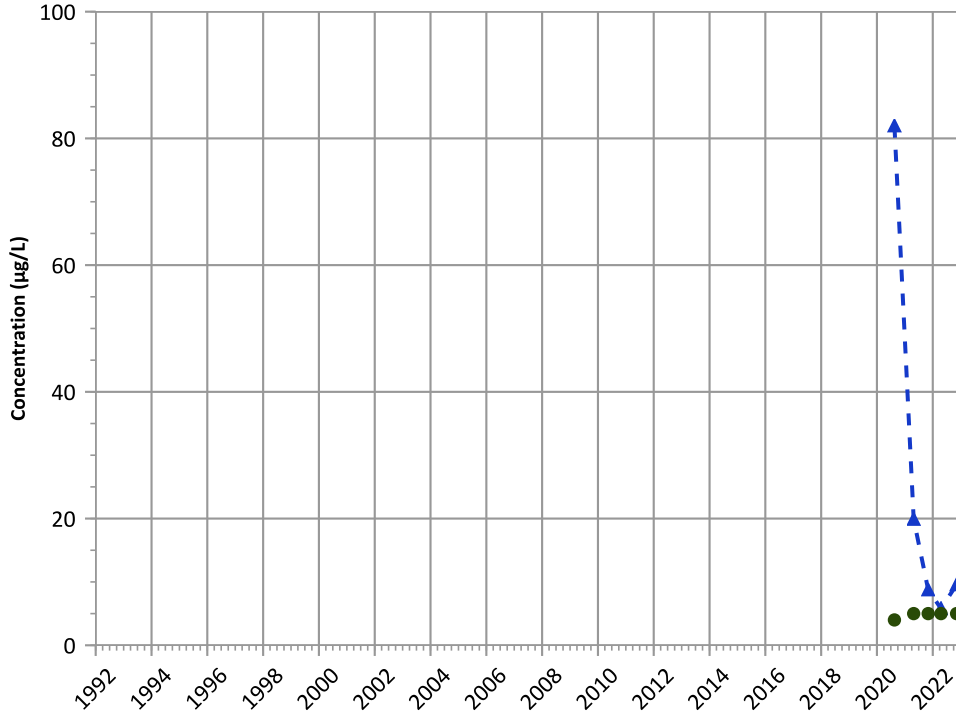


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

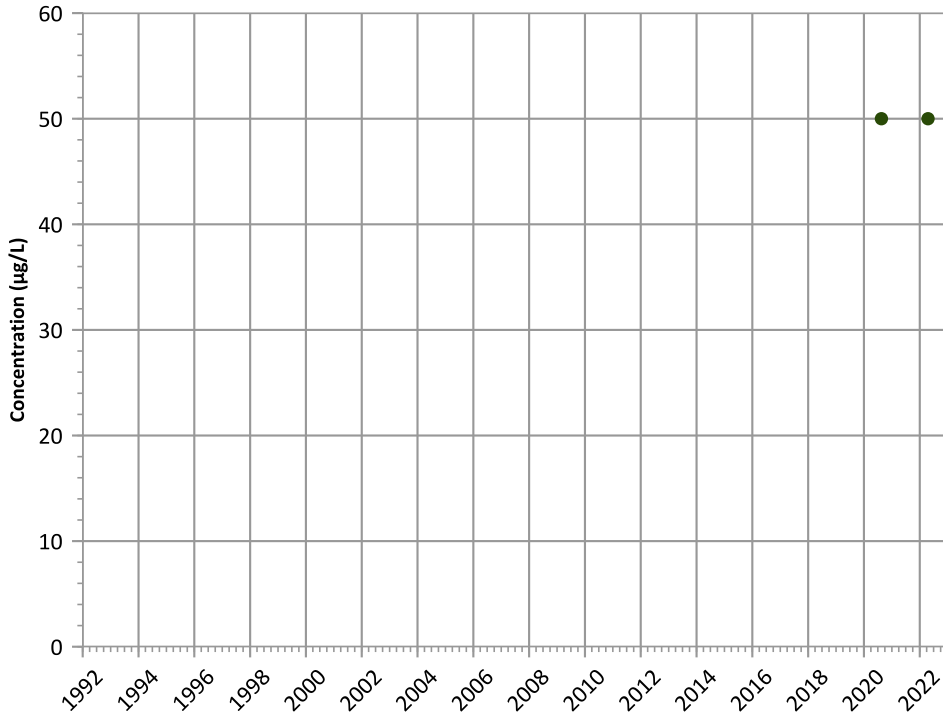


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

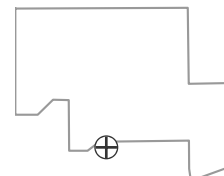
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

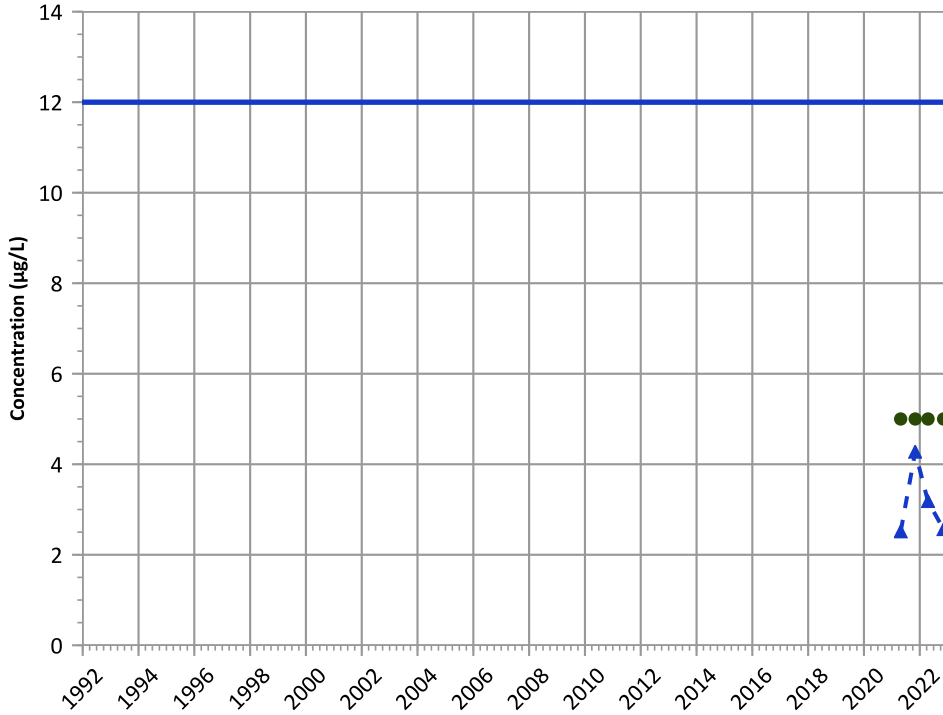
Well Location





PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

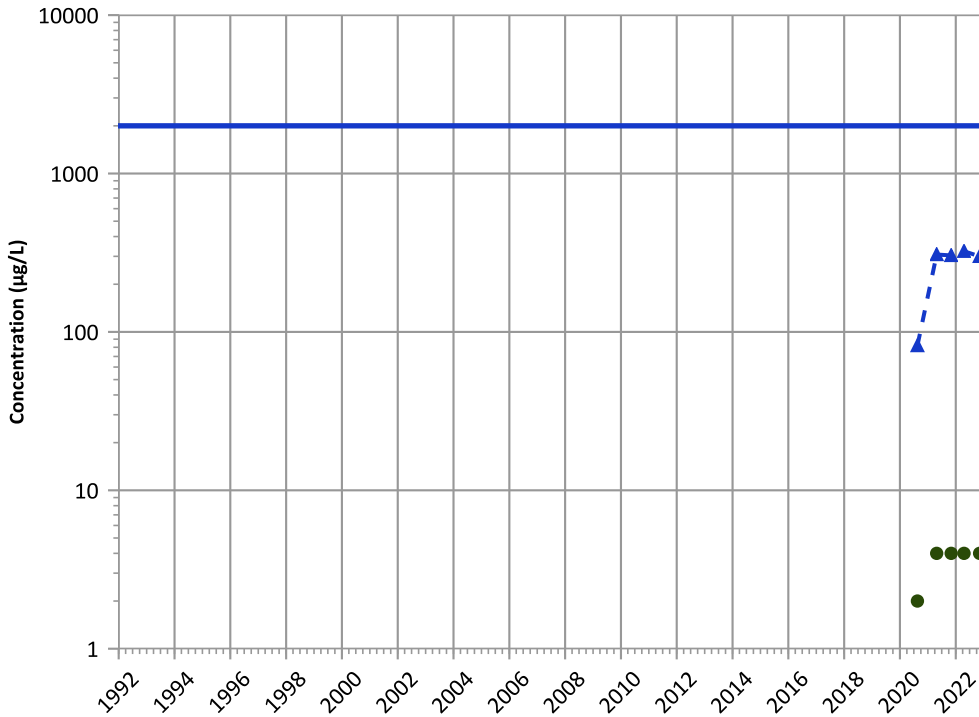


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Barium Trend



Concentration Trend

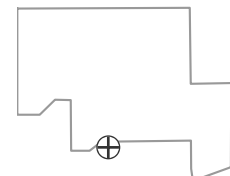
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

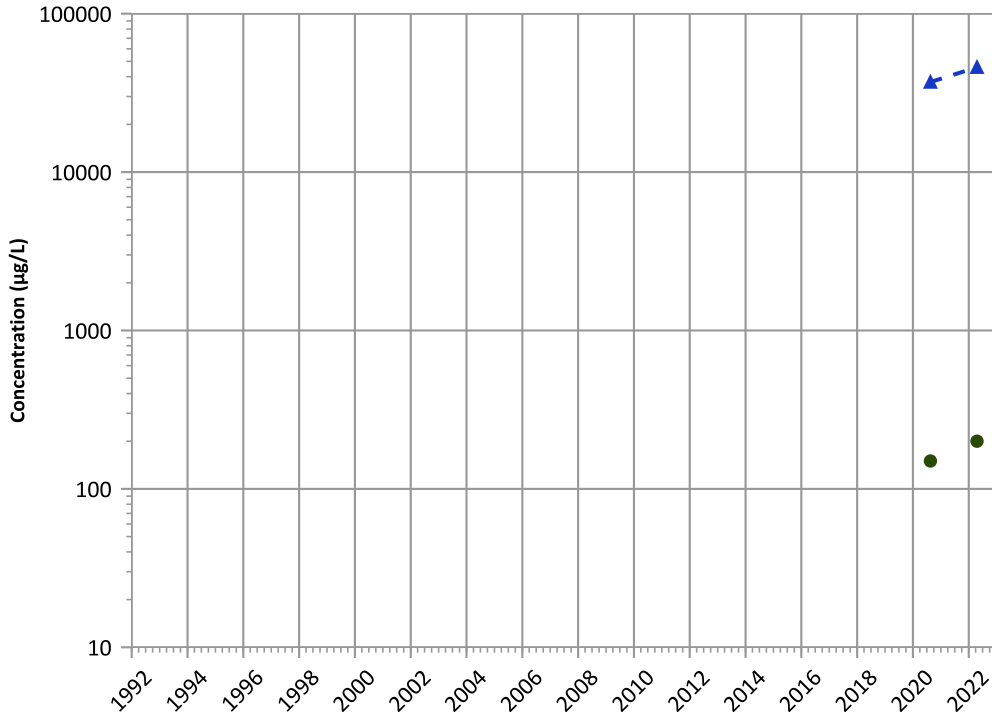
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend

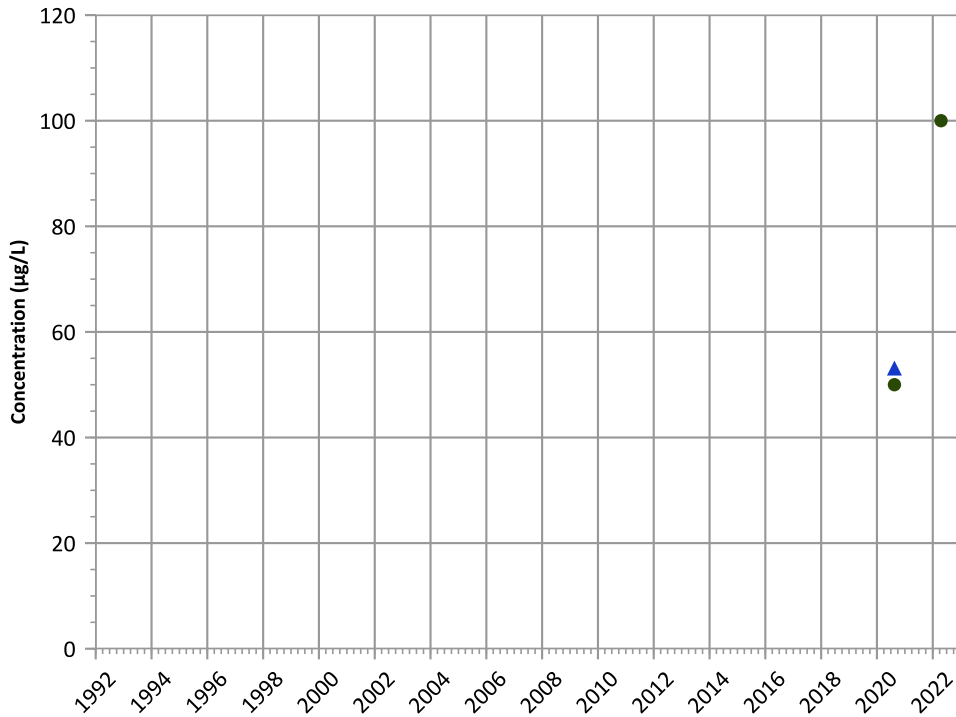


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Iron Trend

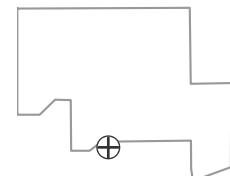


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

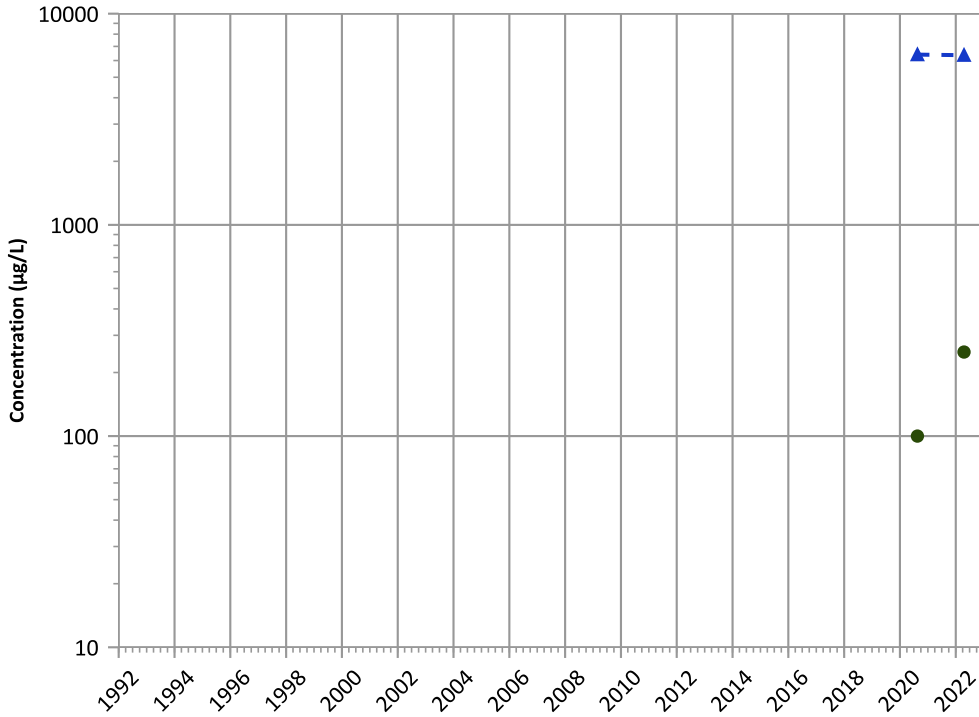


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend

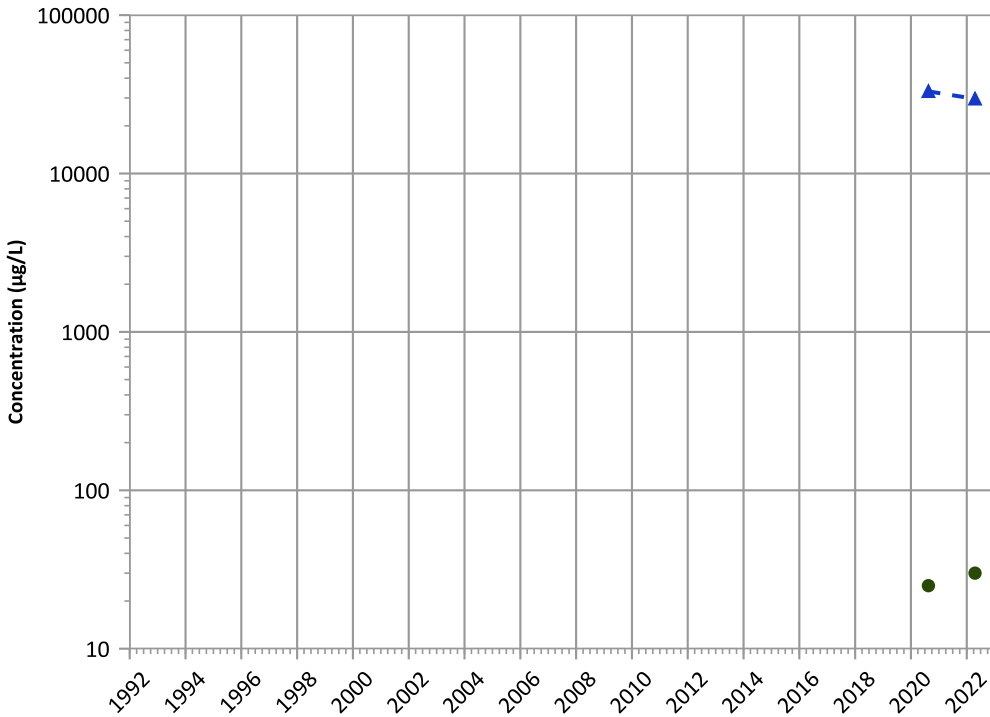


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Magnesium Trend

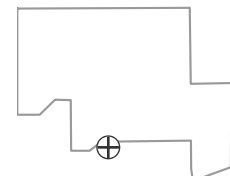


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

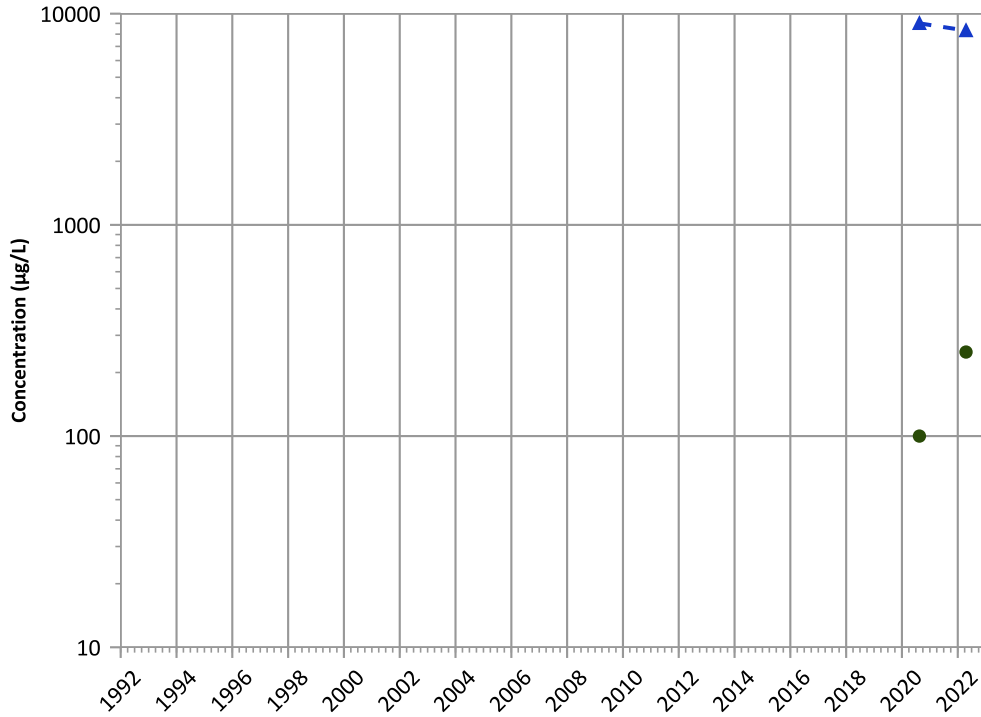
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1207 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Sodium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

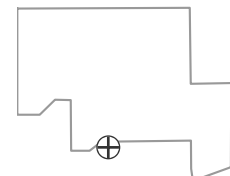
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

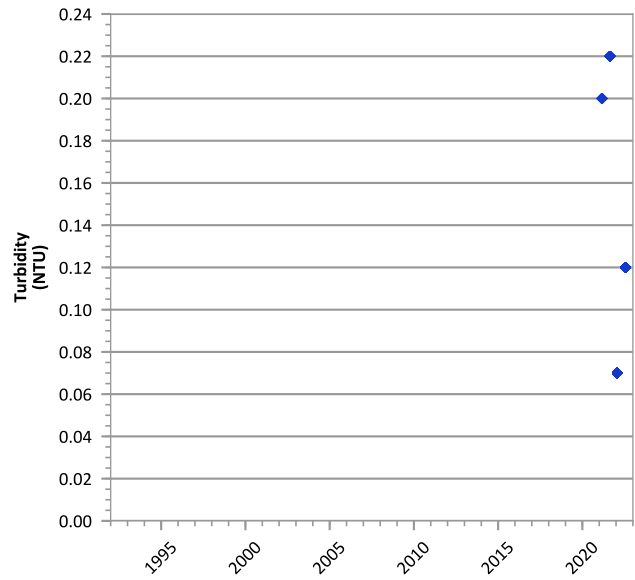
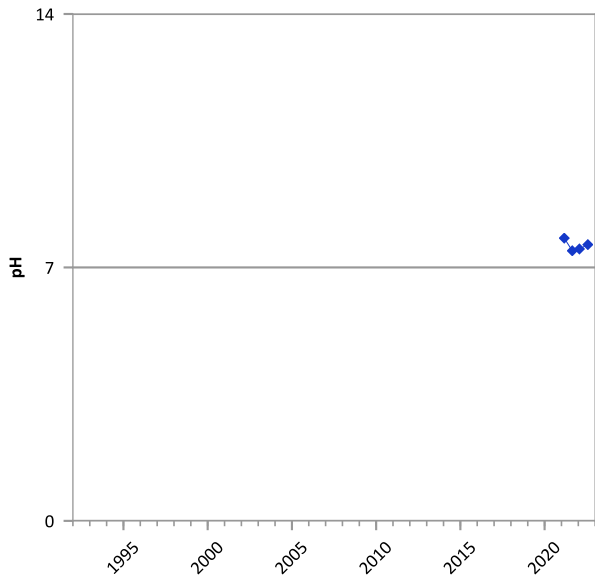
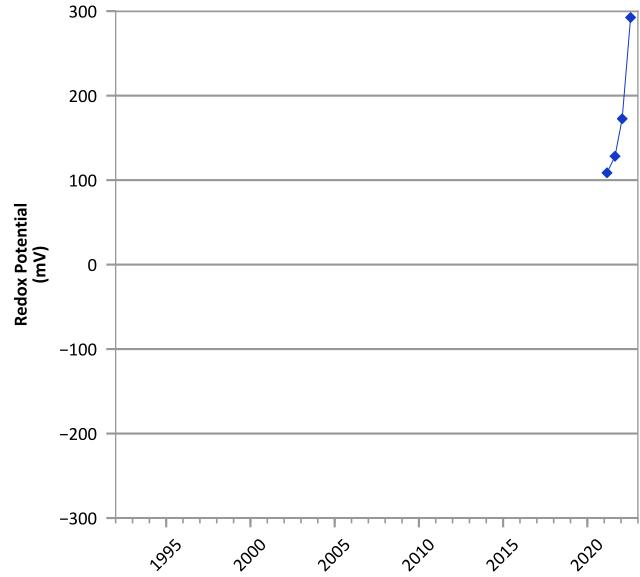
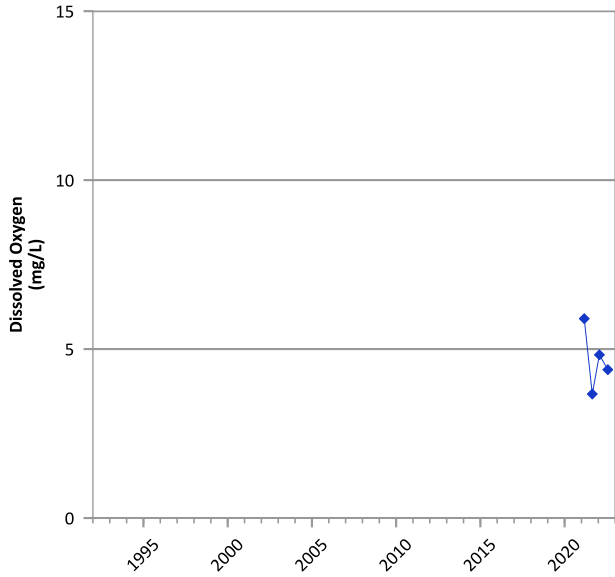
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/17/2020 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

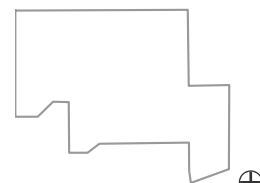


**PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



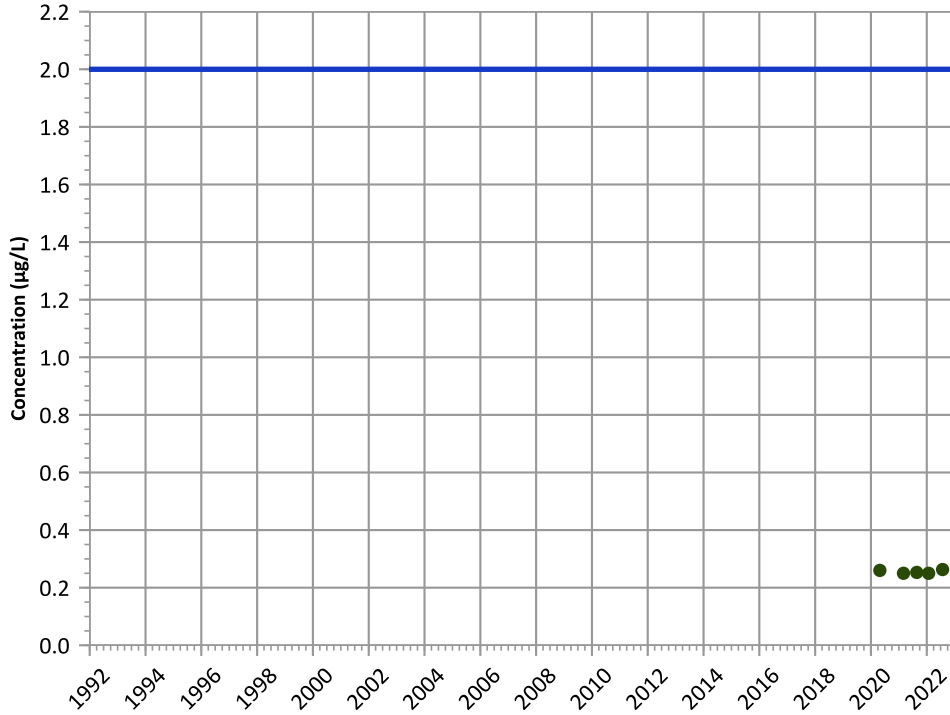
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/27/2020 to 07/27/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

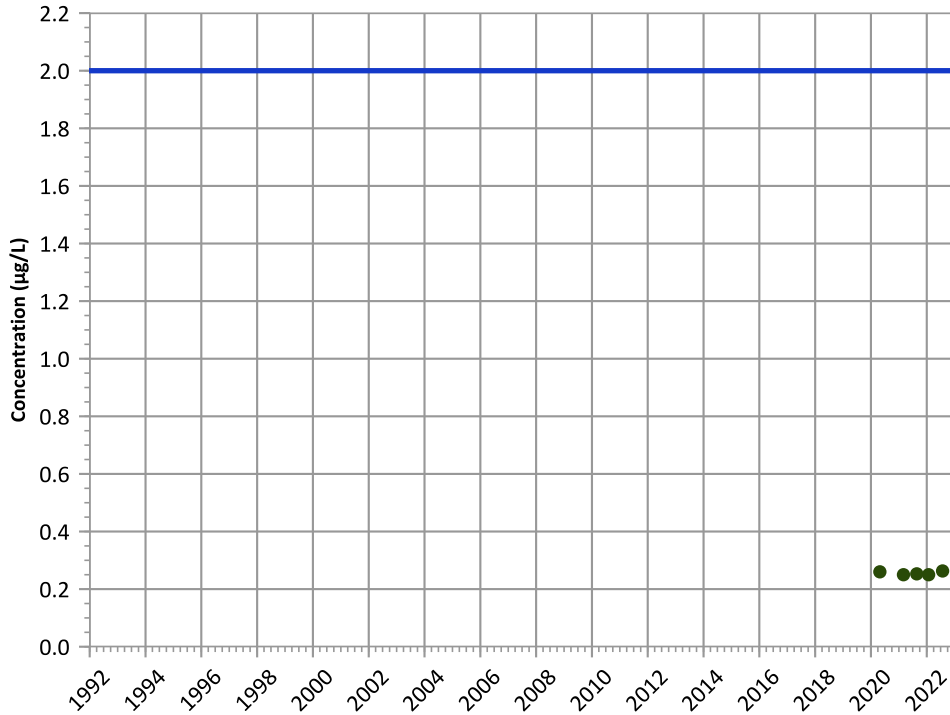


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

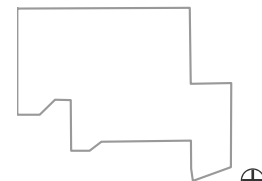


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

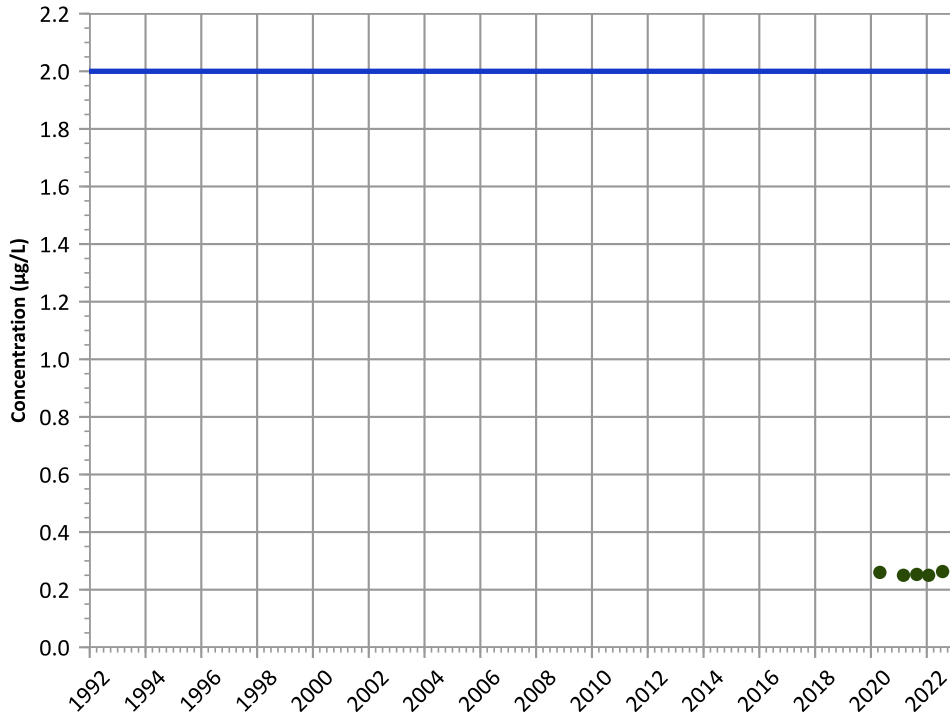
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

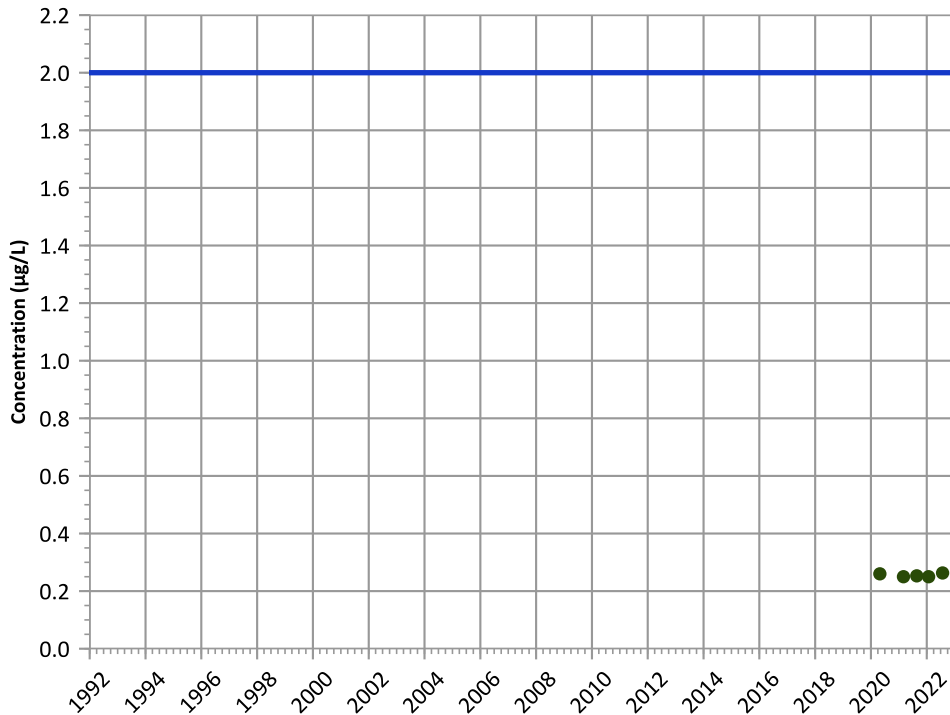


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

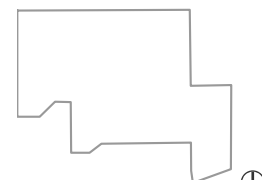


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

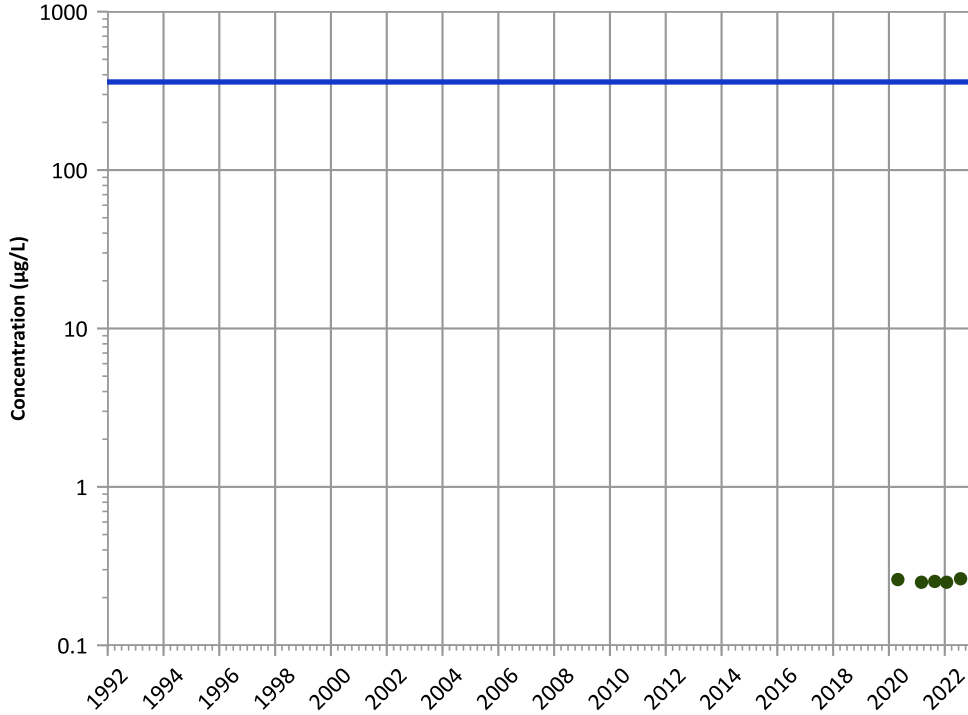


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

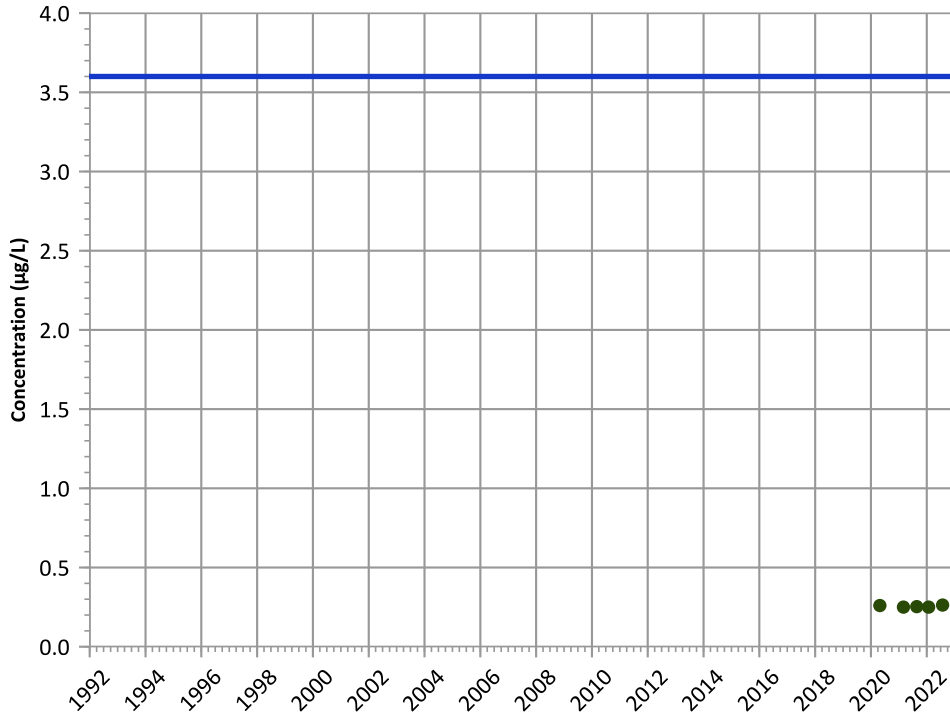
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

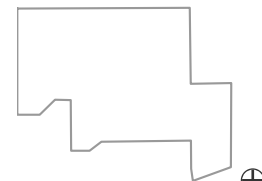
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

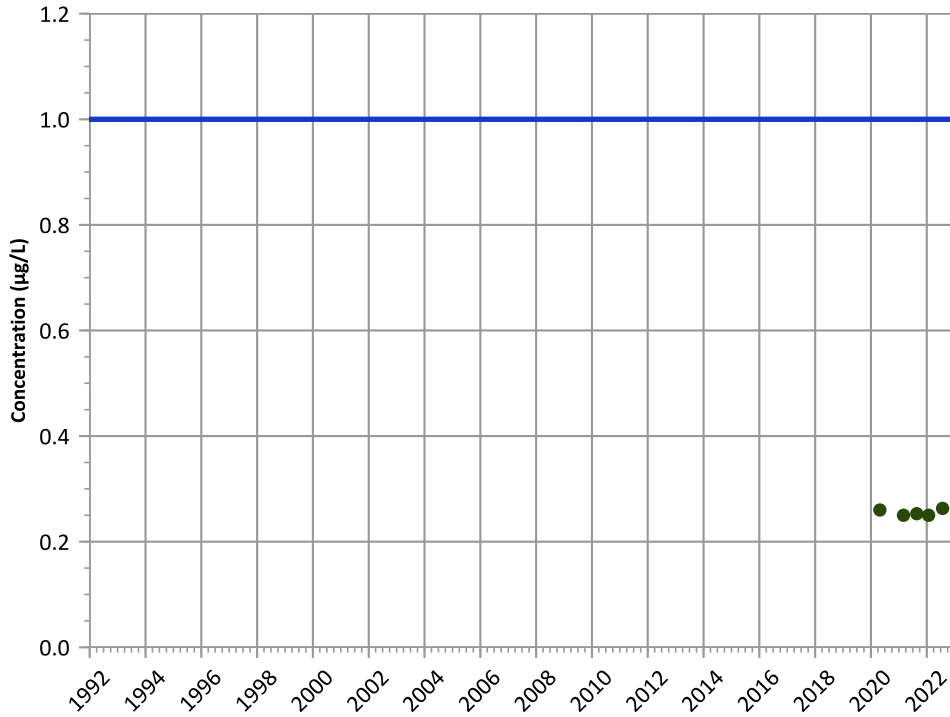
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

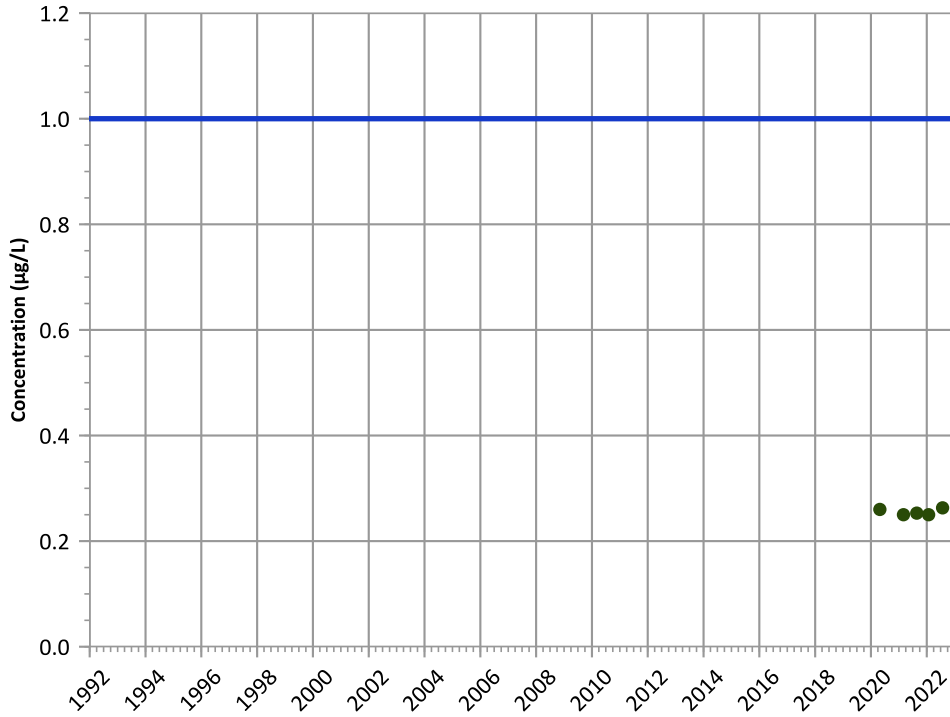
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

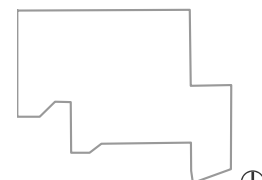
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

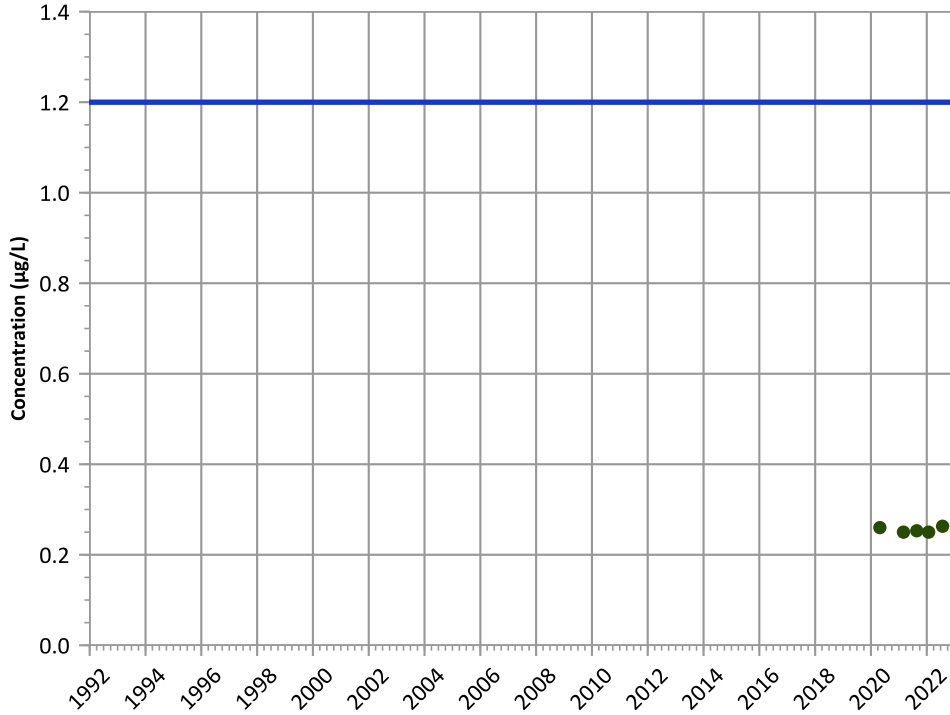


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

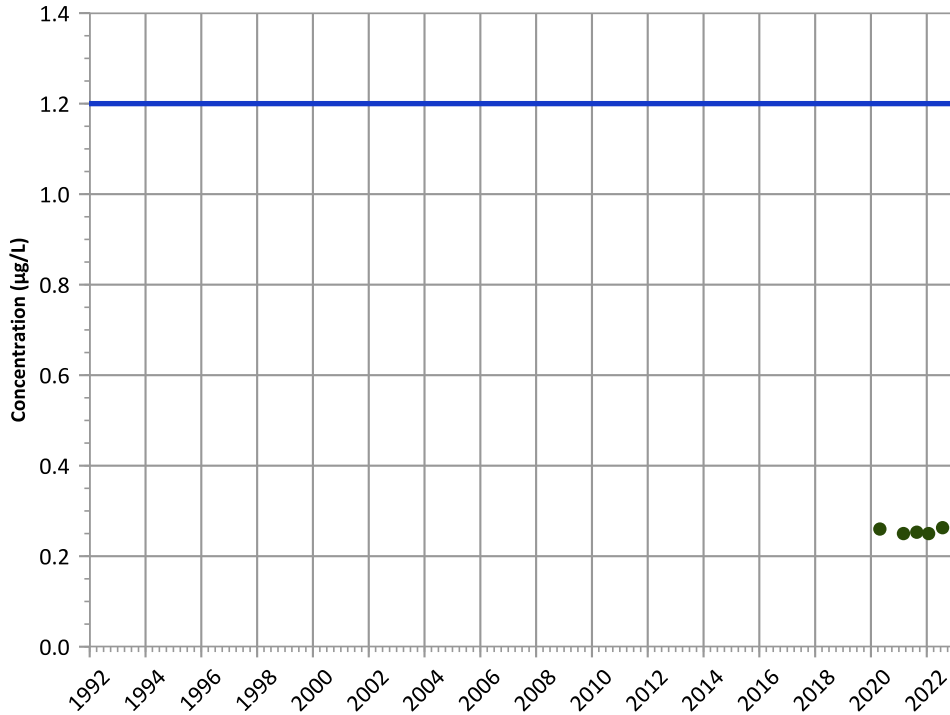
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

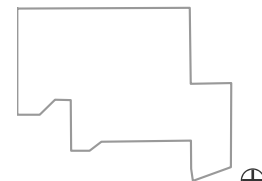
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 04/27/2020 to 07/27/2022

Analysis Date: 04/27/2023

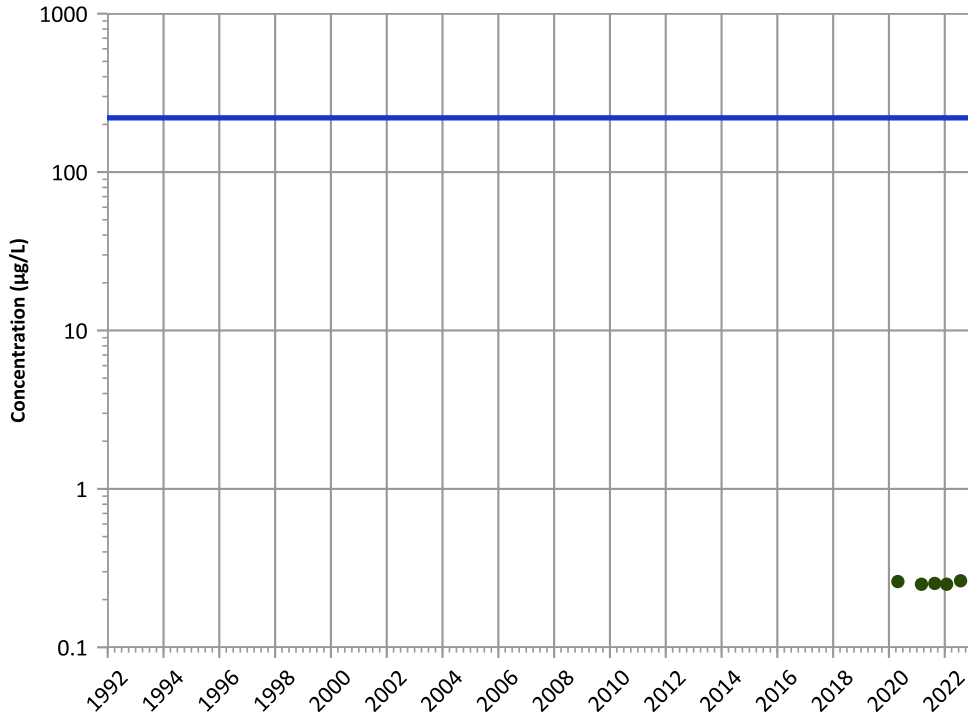
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

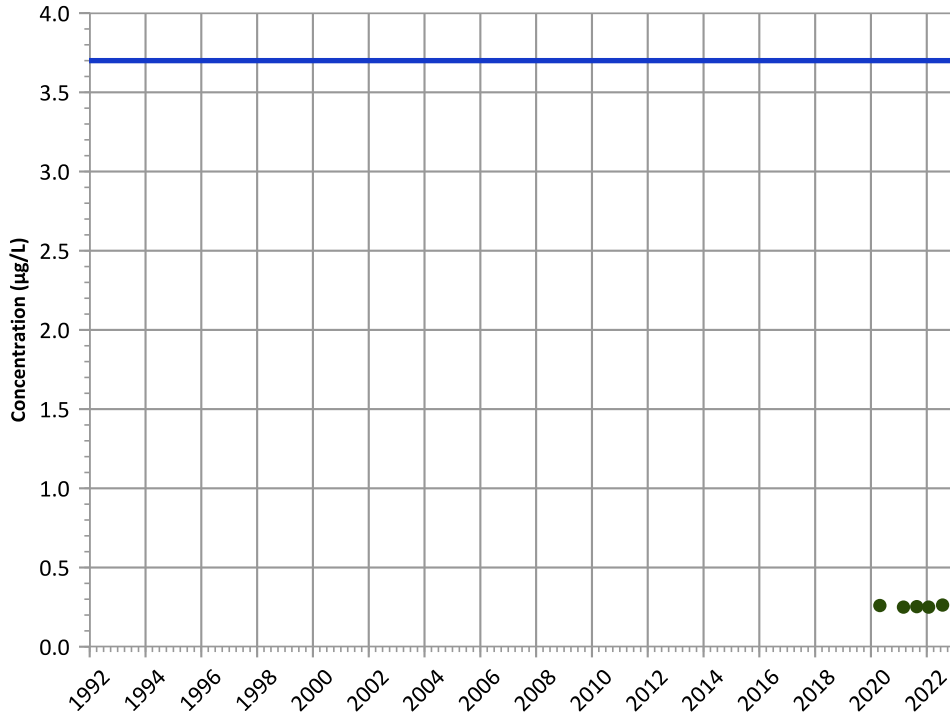


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend

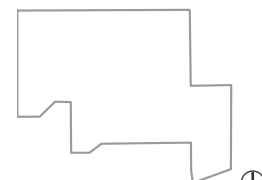


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

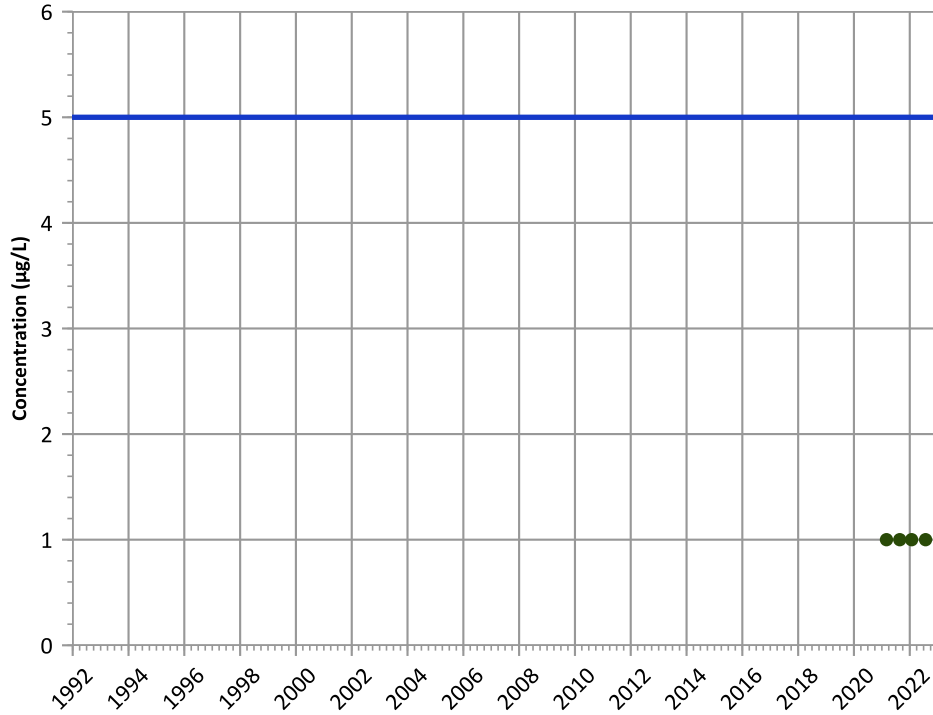
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

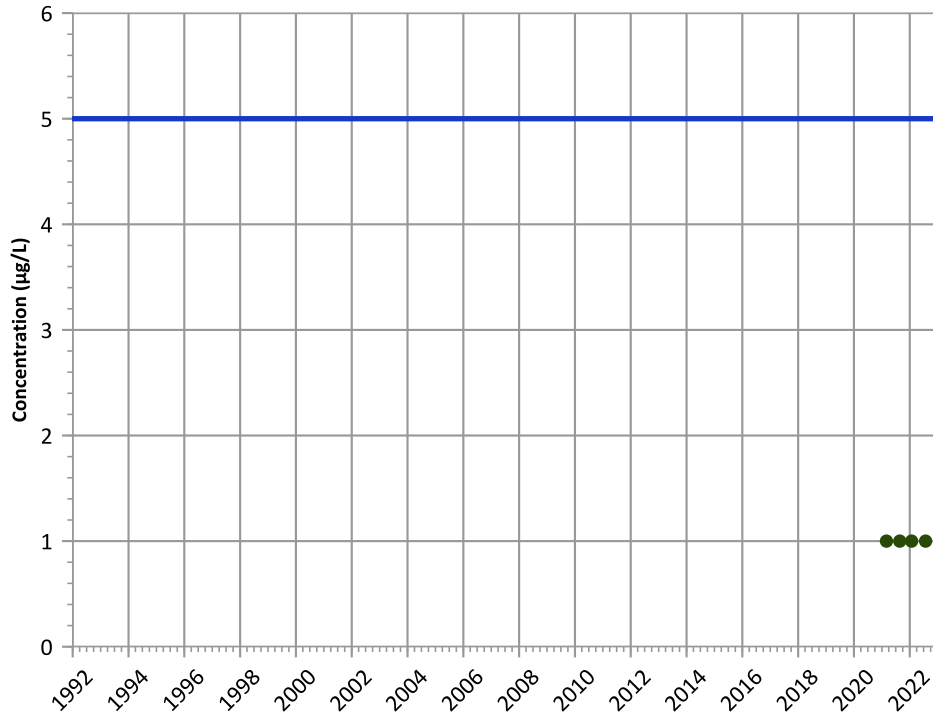
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

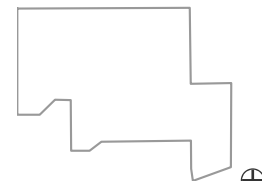
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

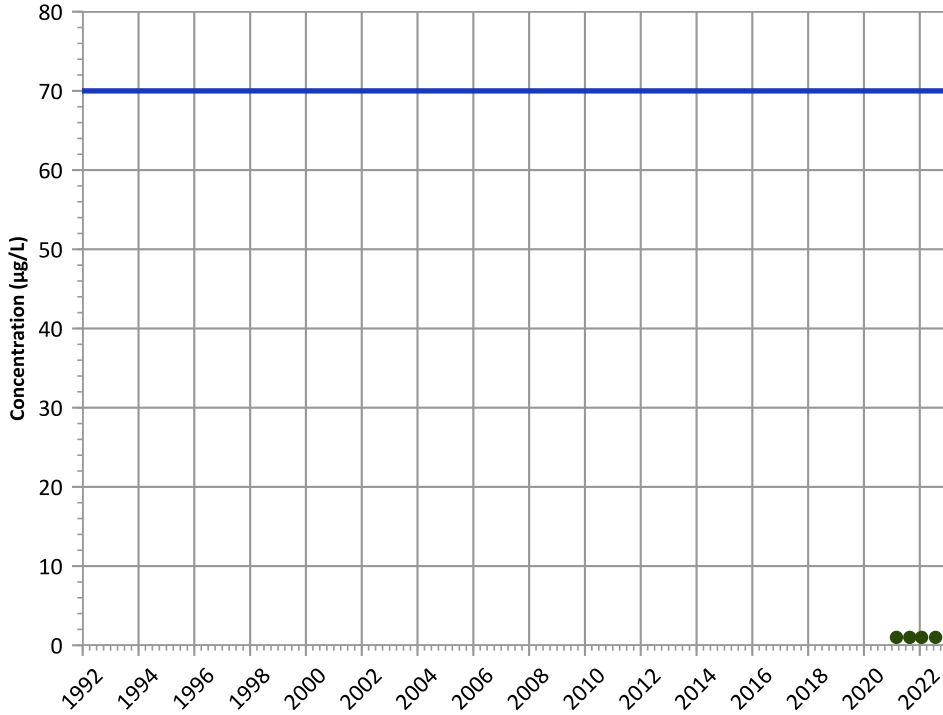
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

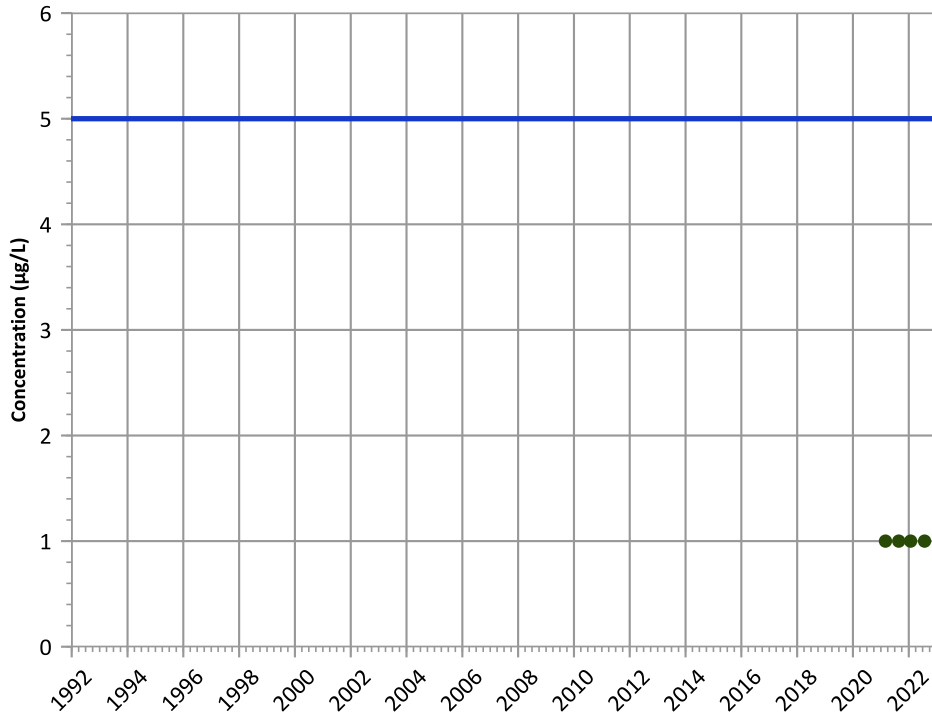


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

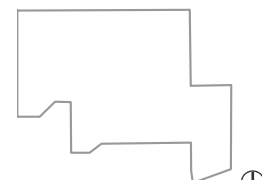
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

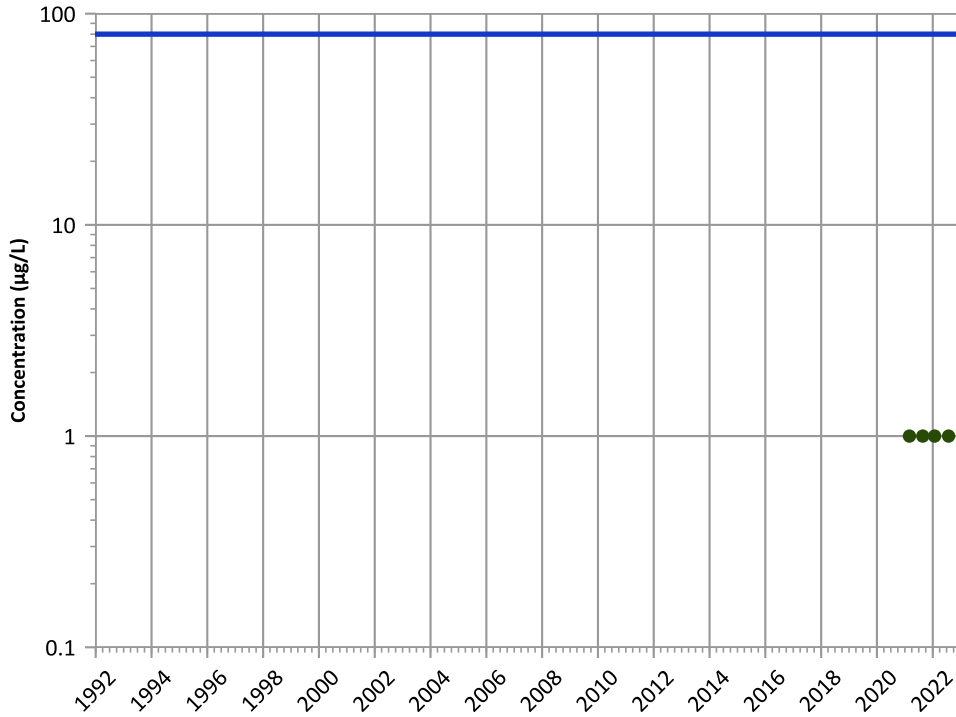
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

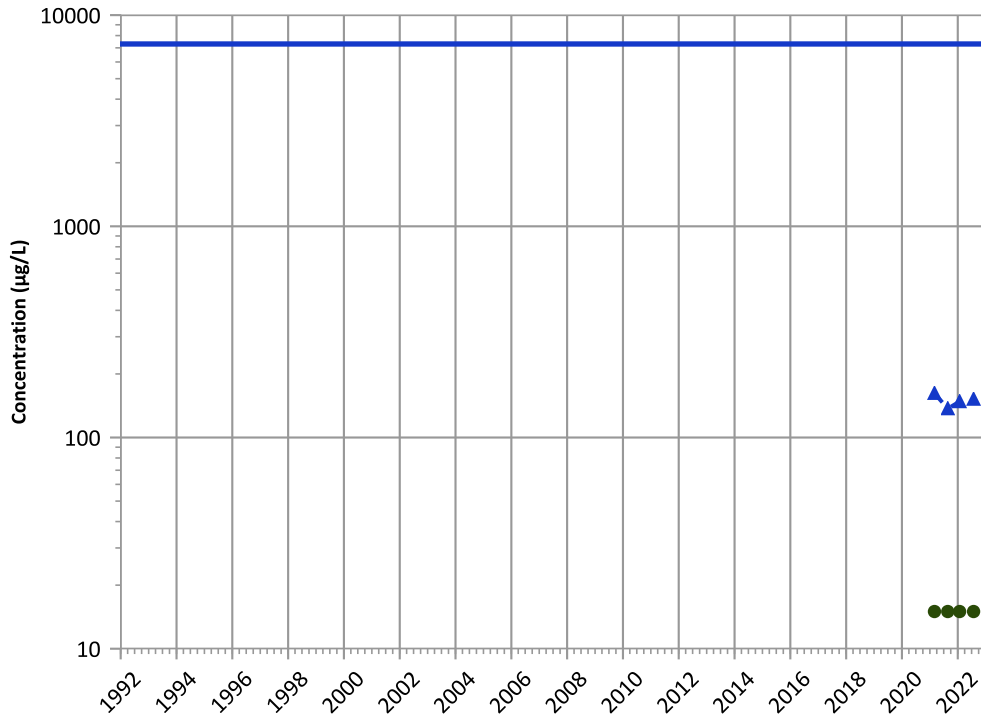


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

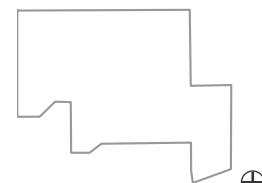


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

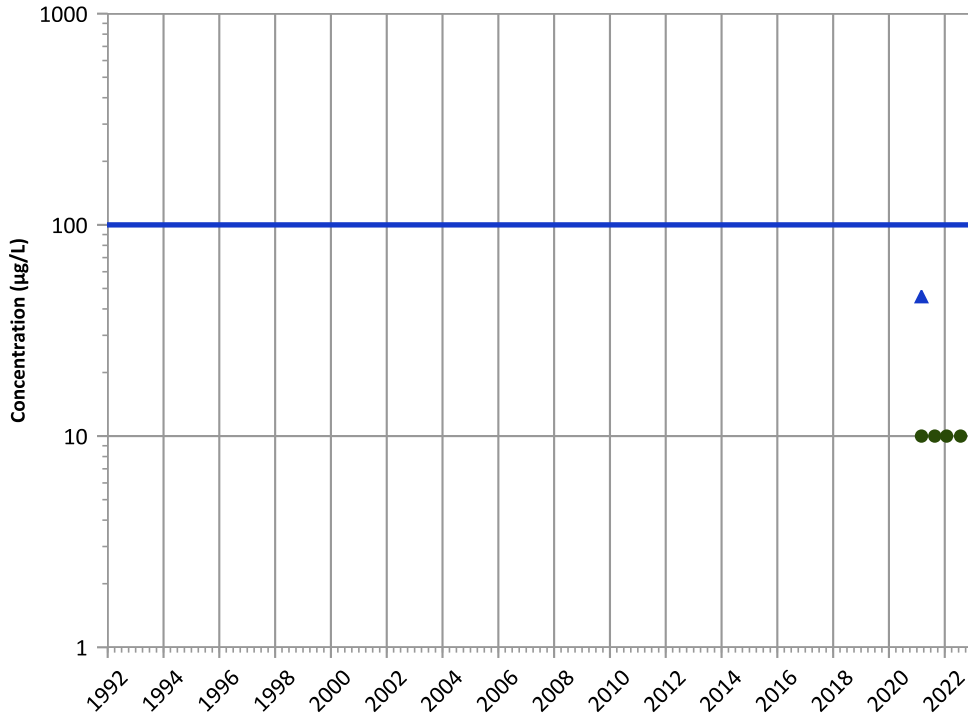
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

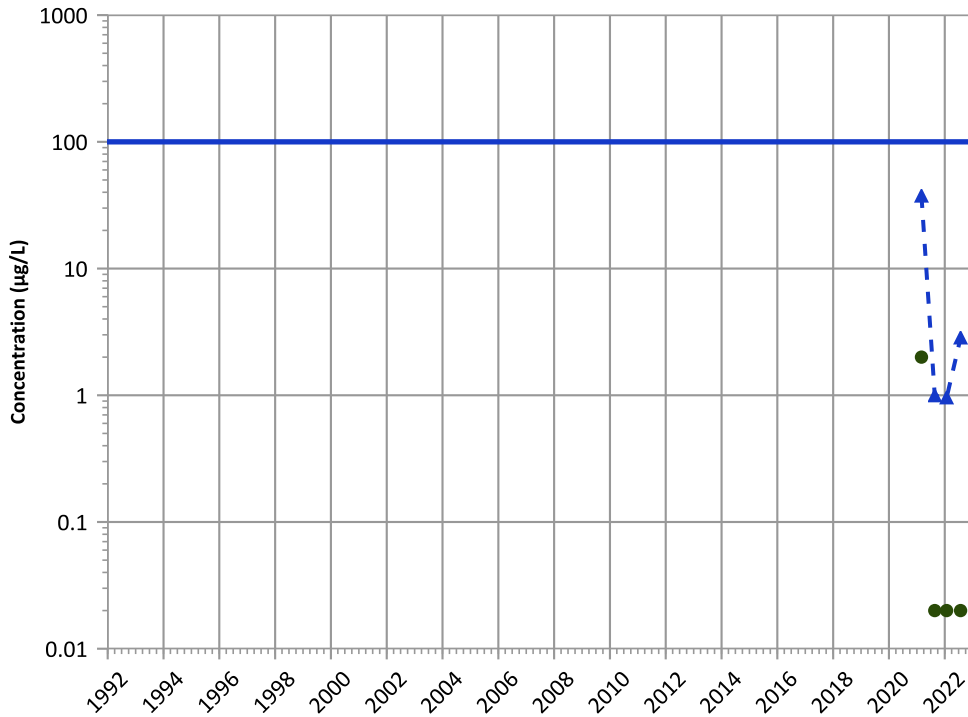


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chromium, Hexavalent Trend**

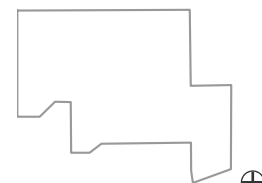


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**Well Location**

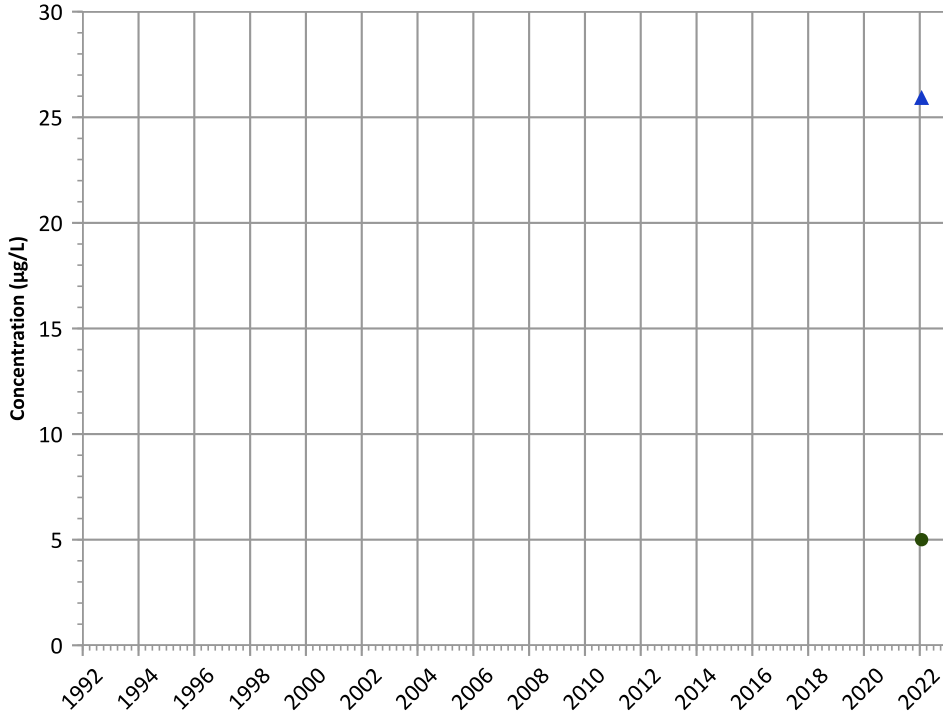


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

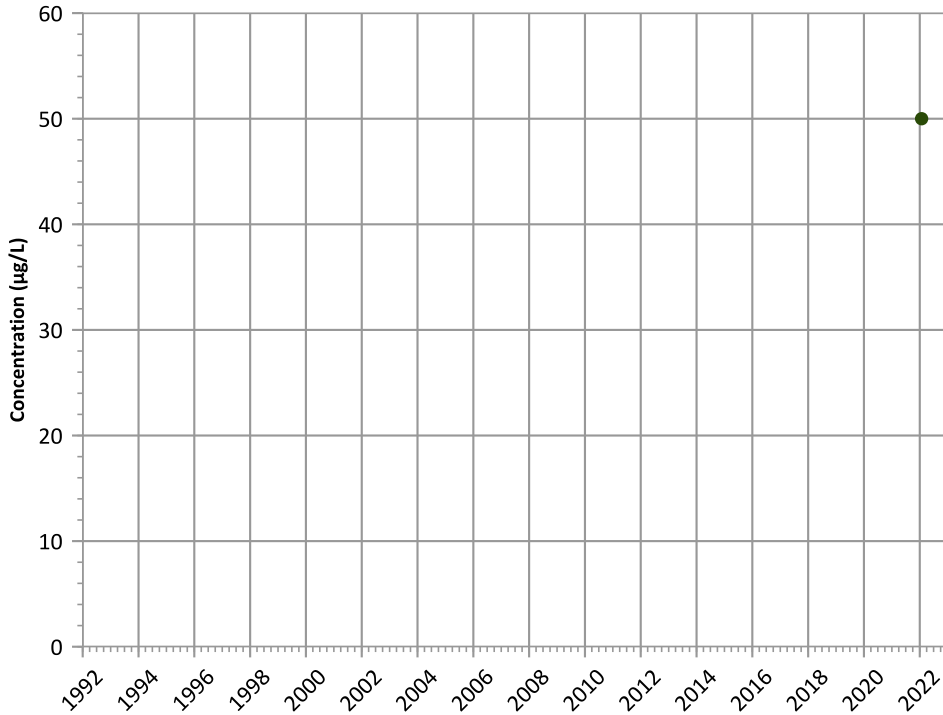


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

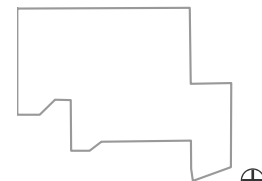


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location



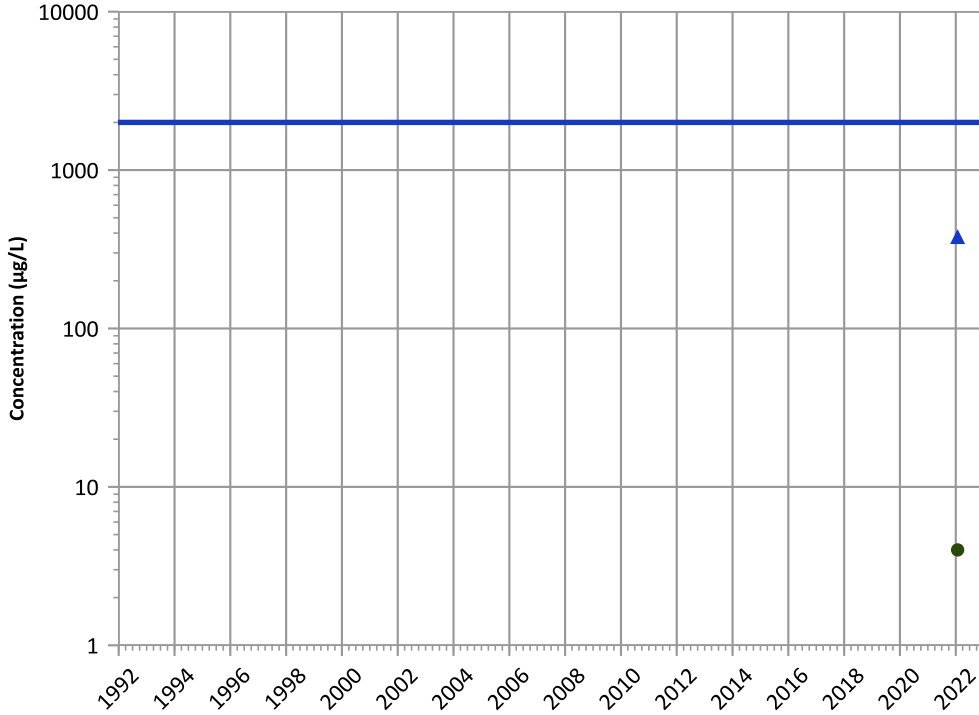
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

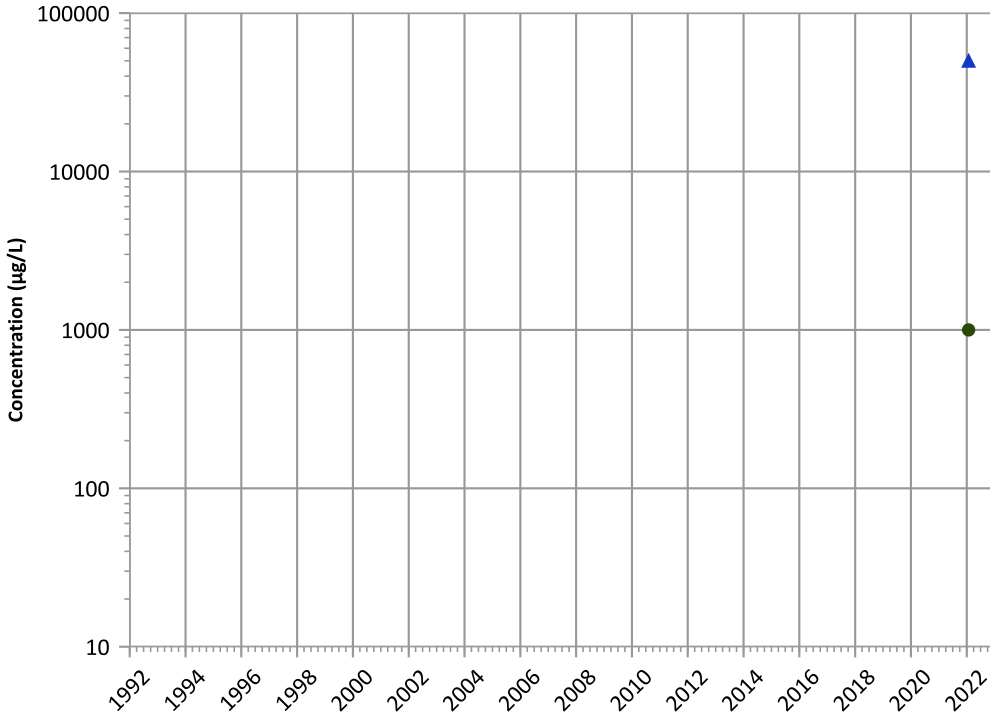


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend

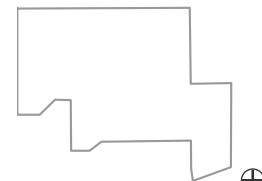


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

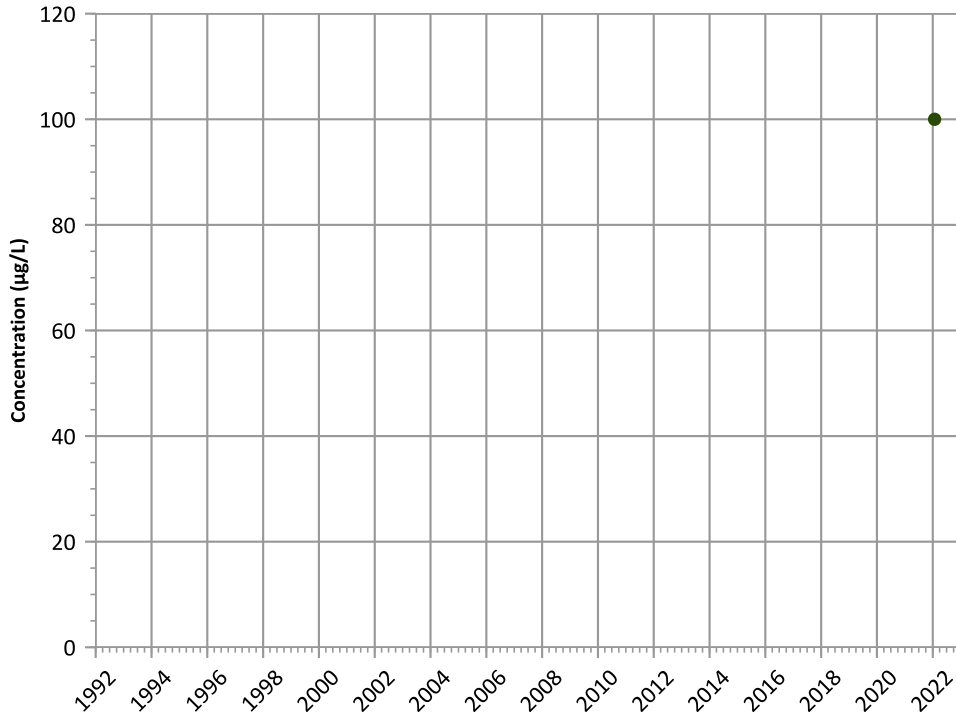


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

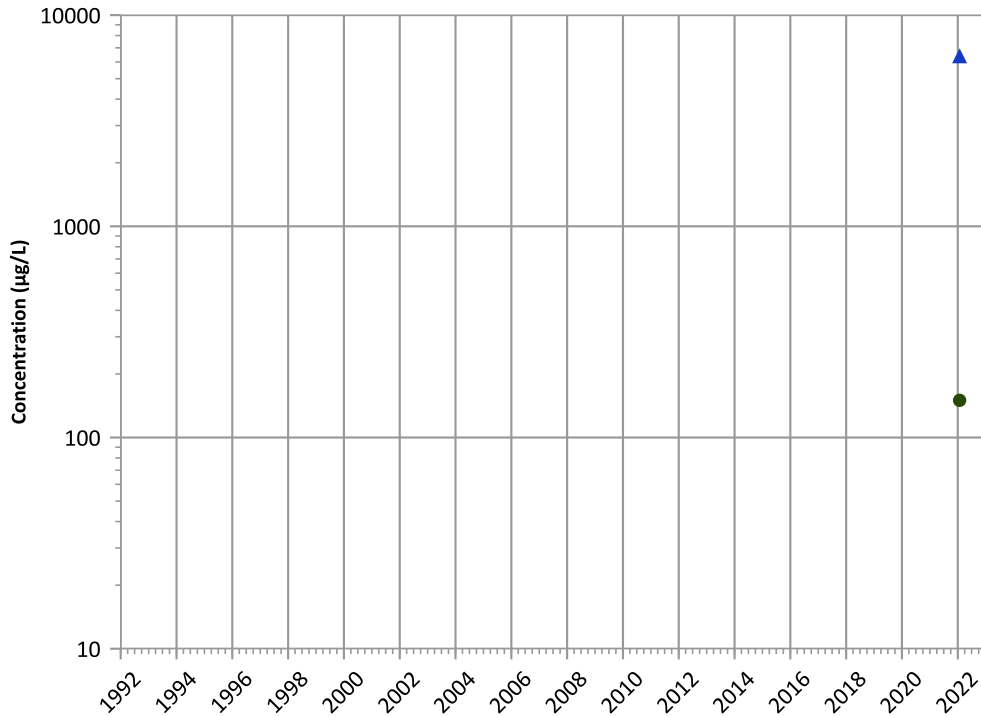


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Potassium Trend

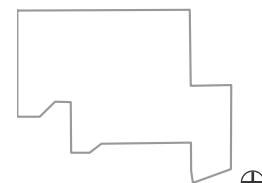


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

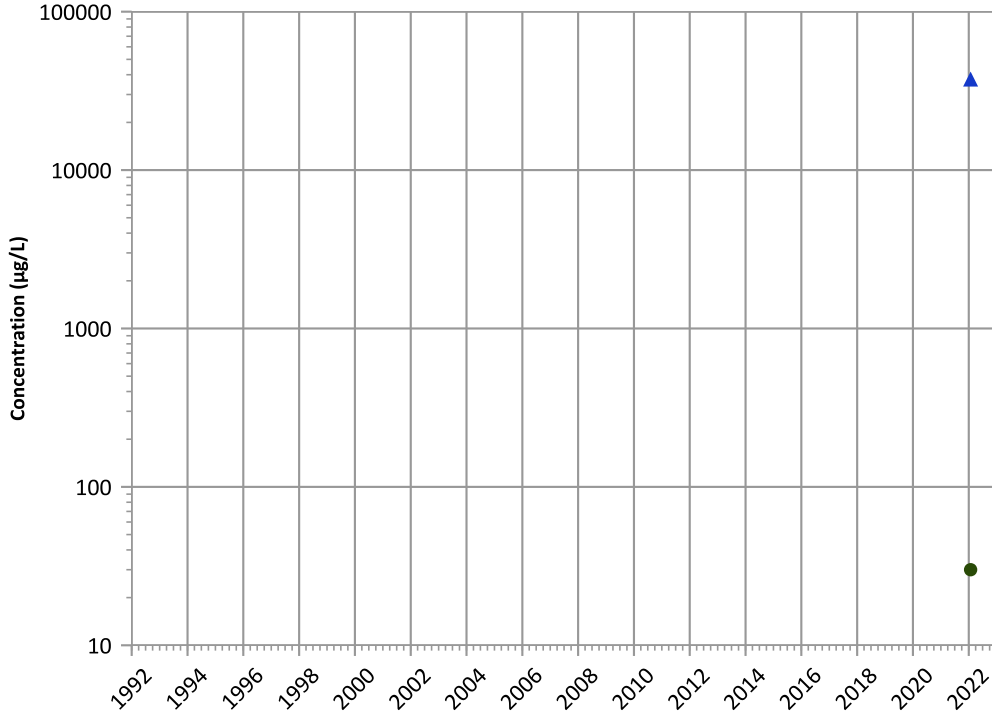


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1208 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

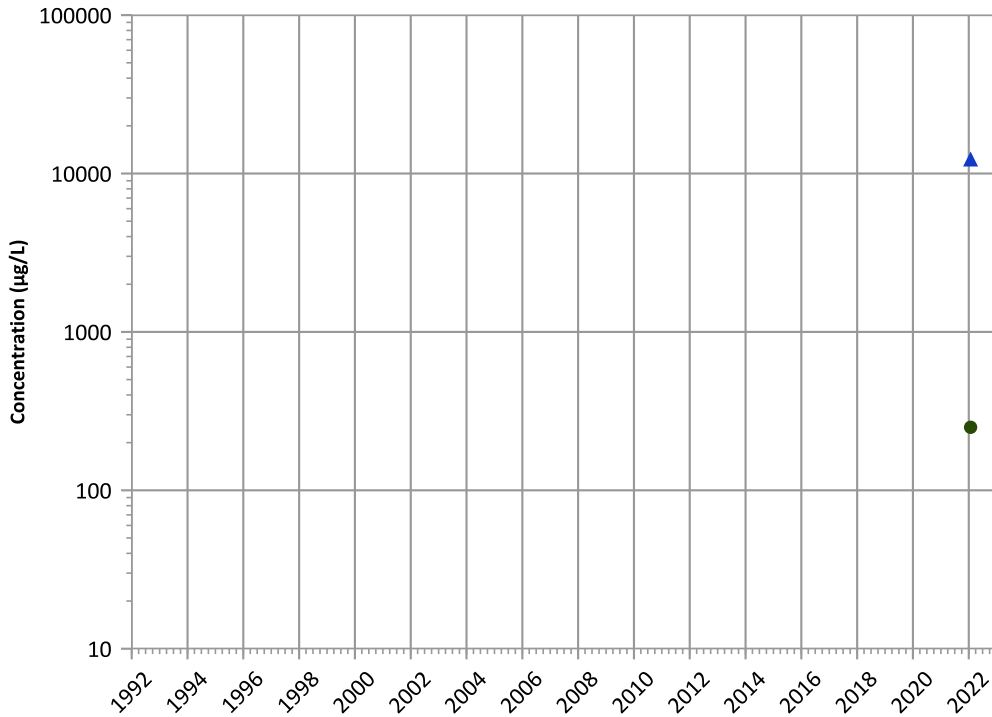


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

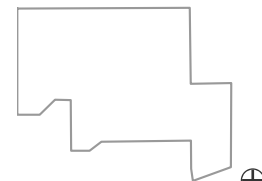


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

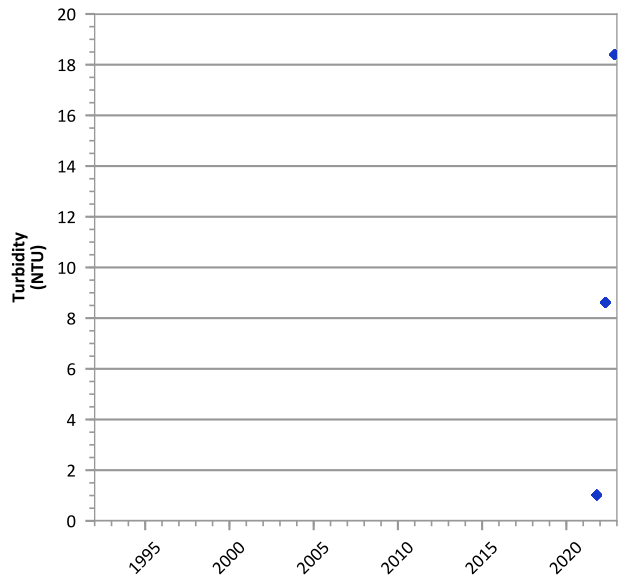
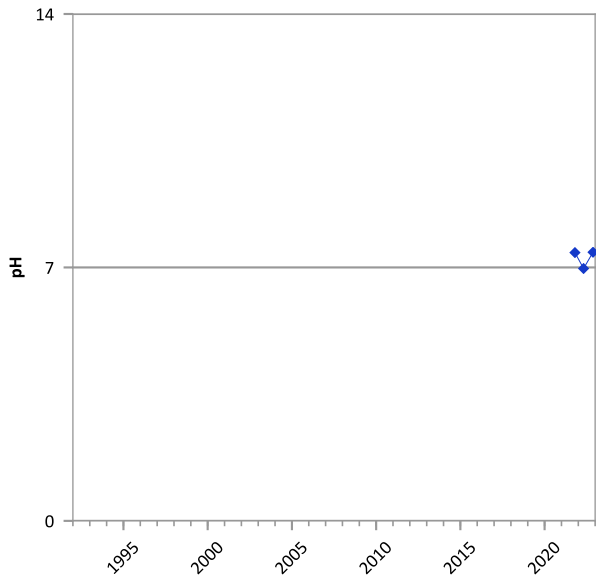
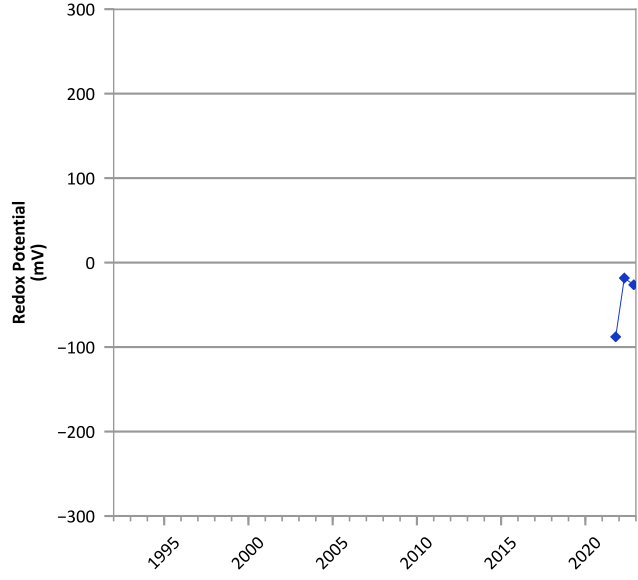
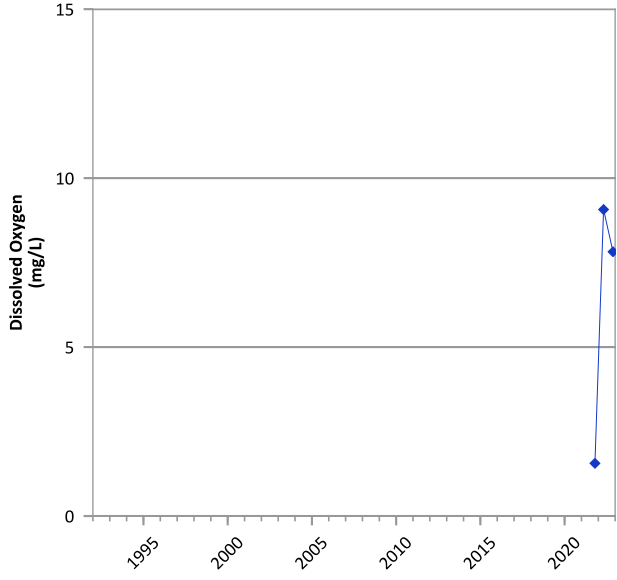
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/27/2020 to 07/27/2022  
Analysis Date: 04/27/2023

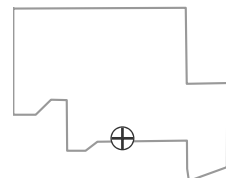
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



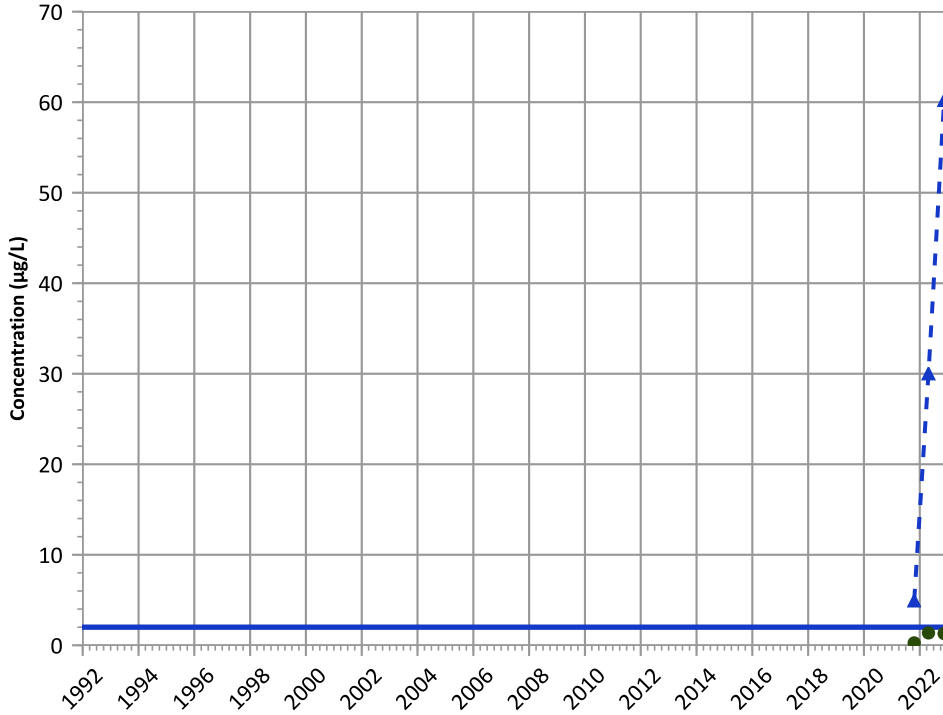
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/20/2021 to 11/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

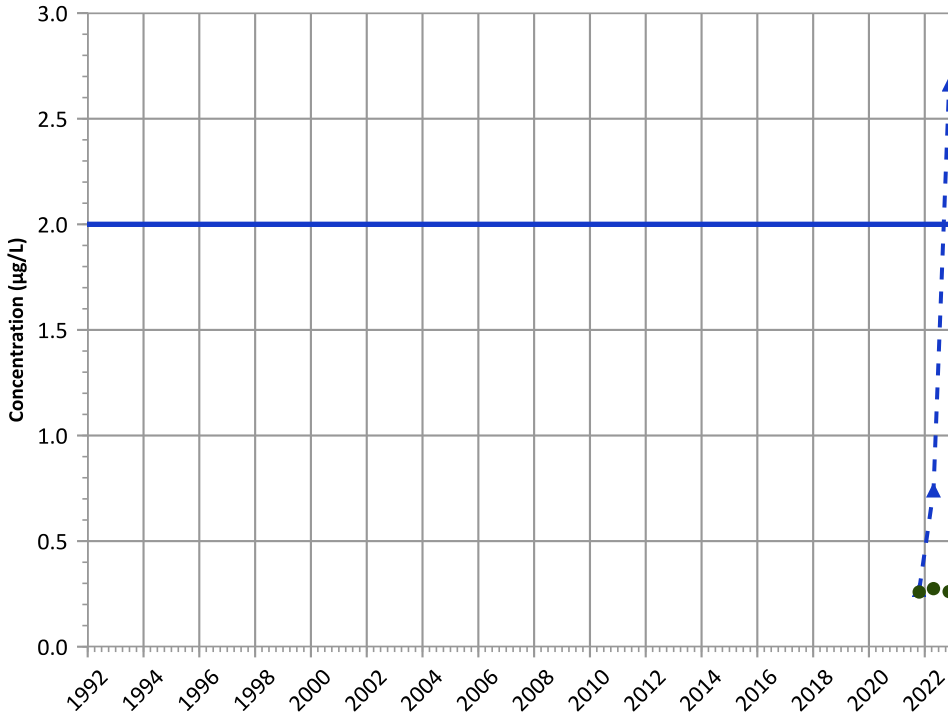
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

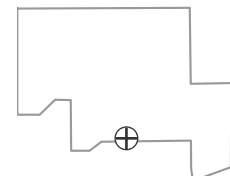
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 10/20/2021 to 11/16/2022

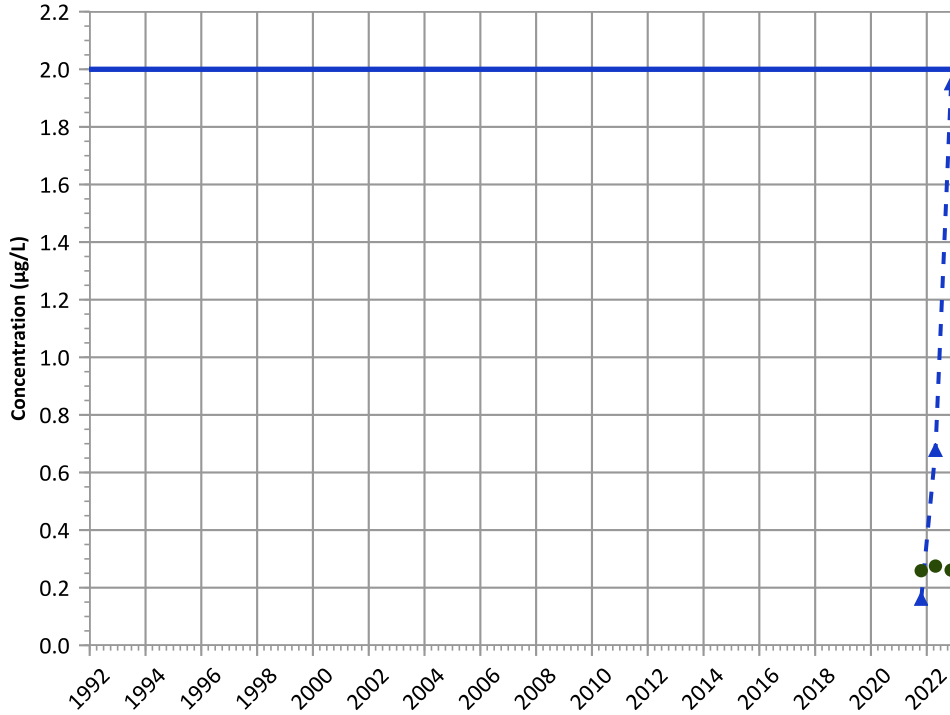
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

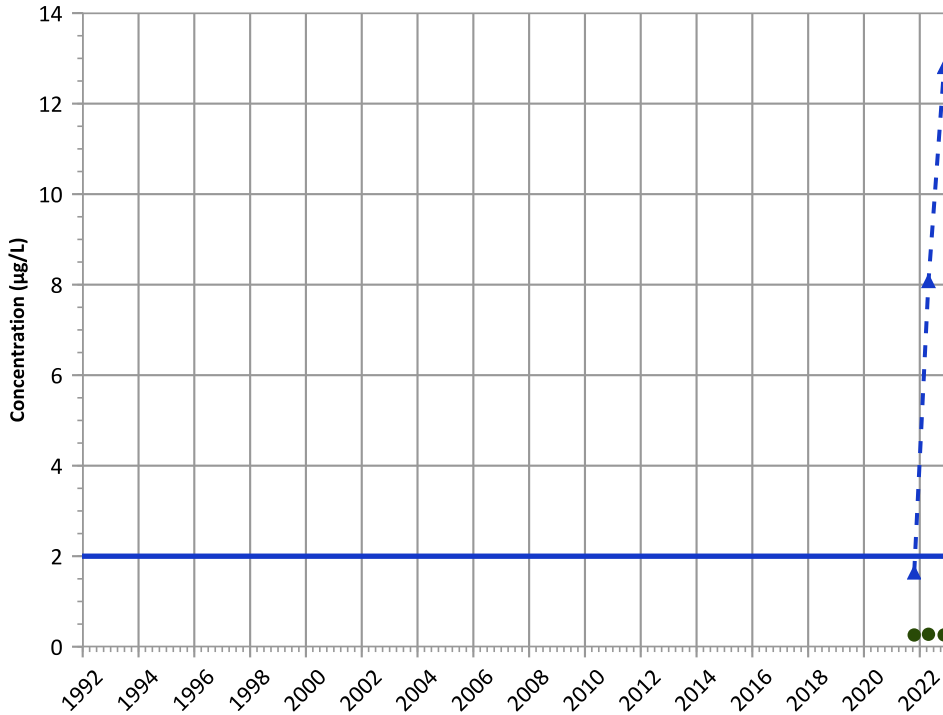


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

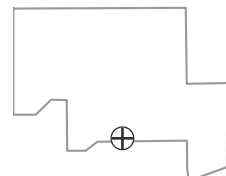
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

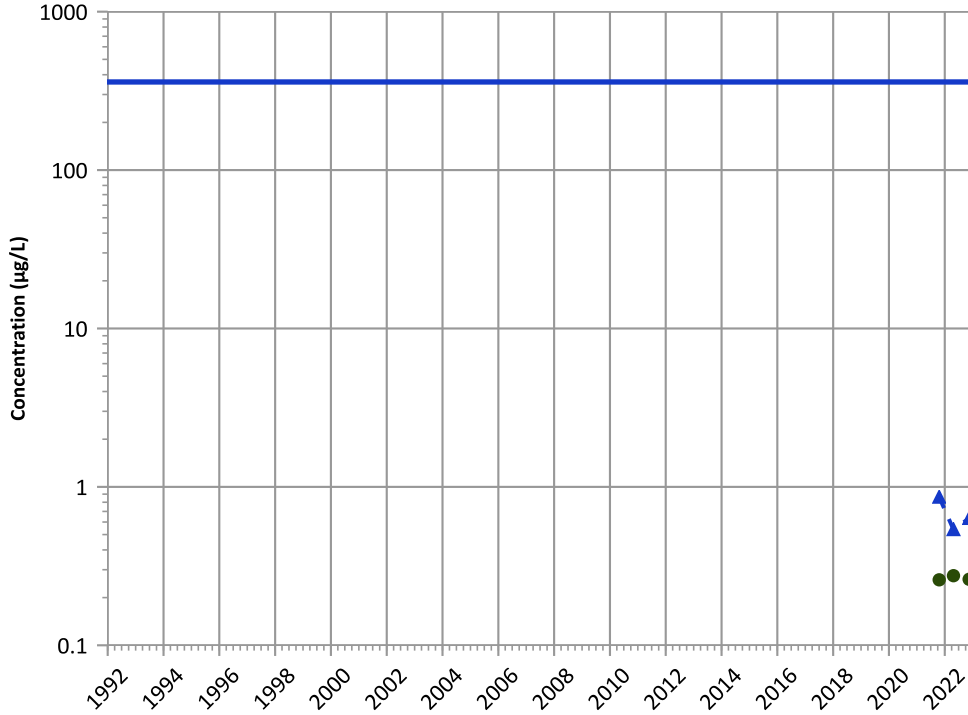
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

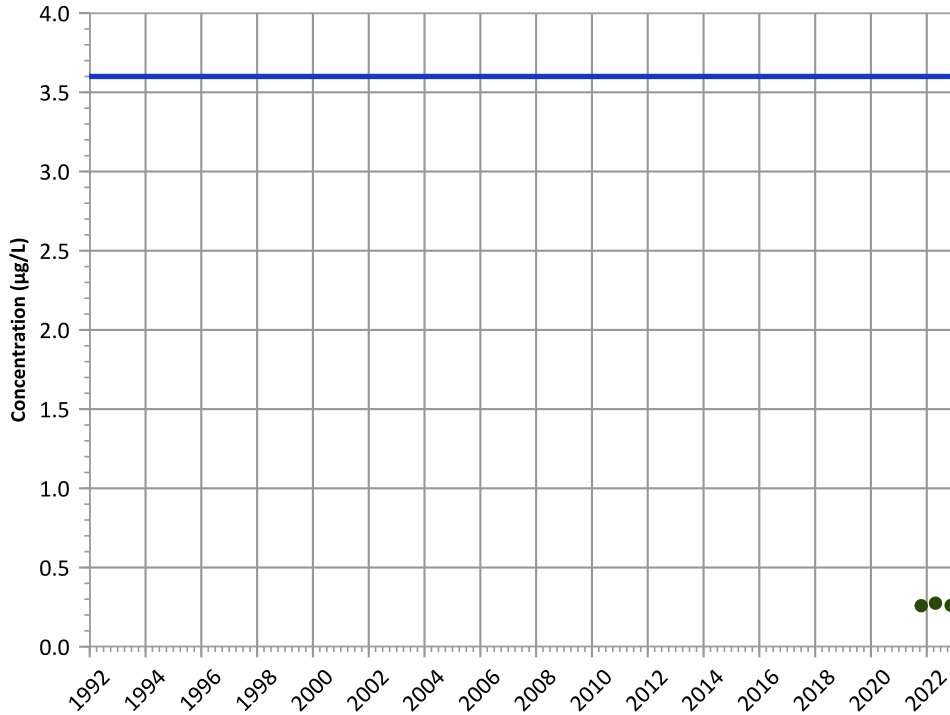


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend

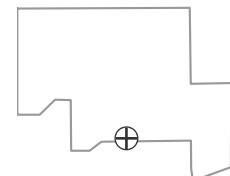


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

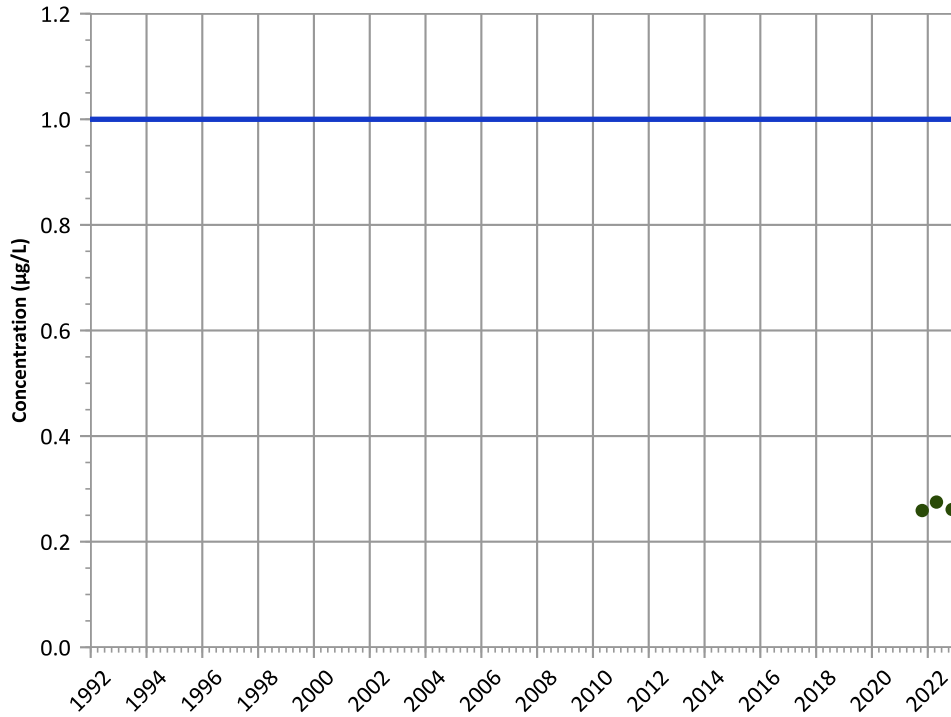
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

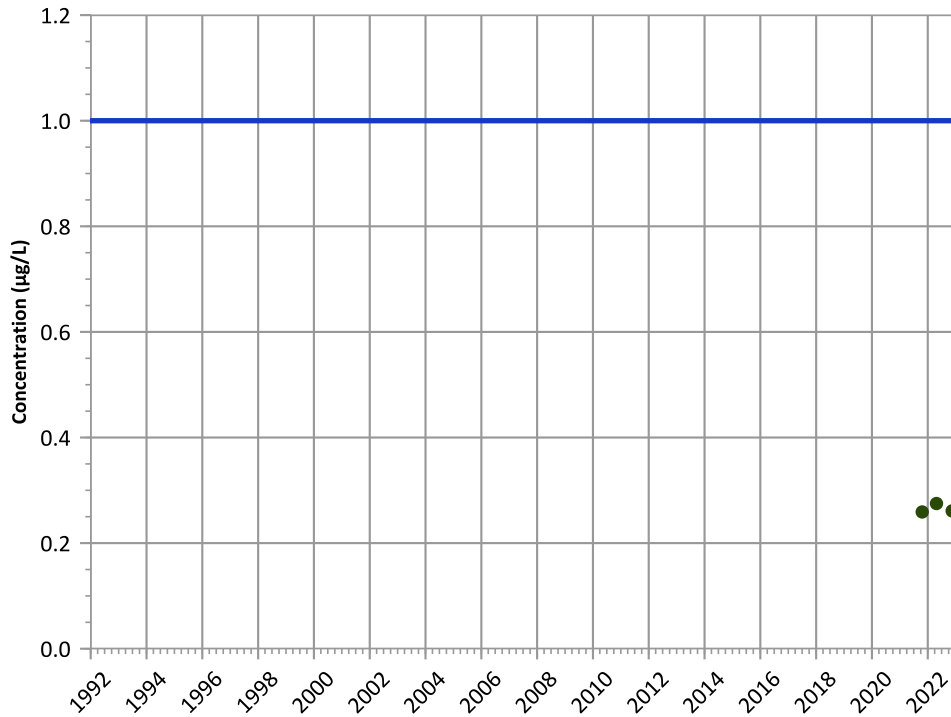


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

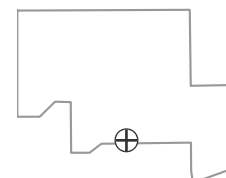


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Well Location**



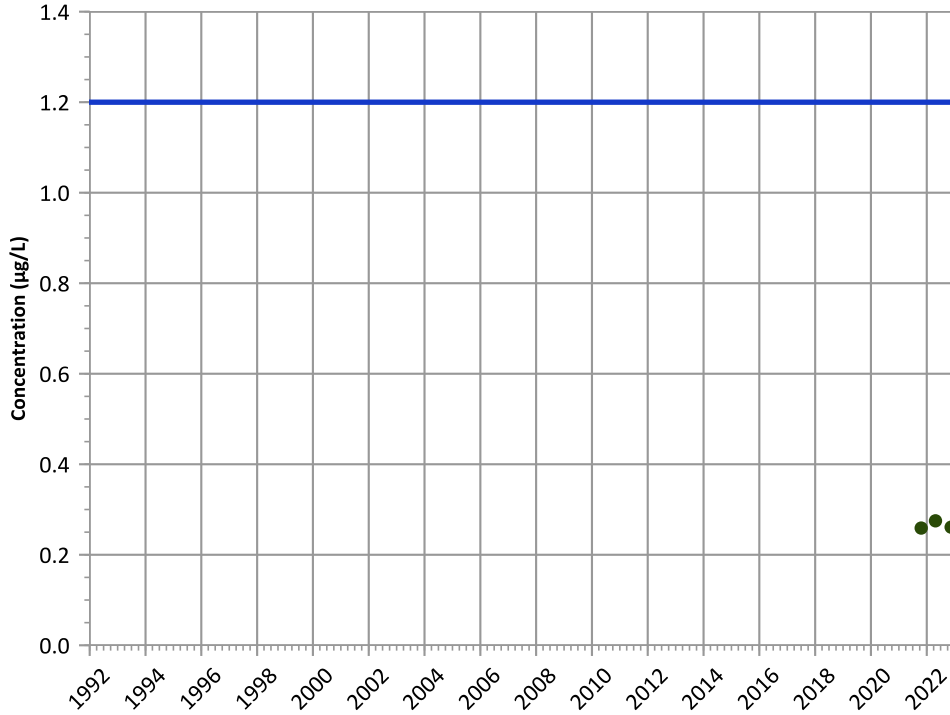
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

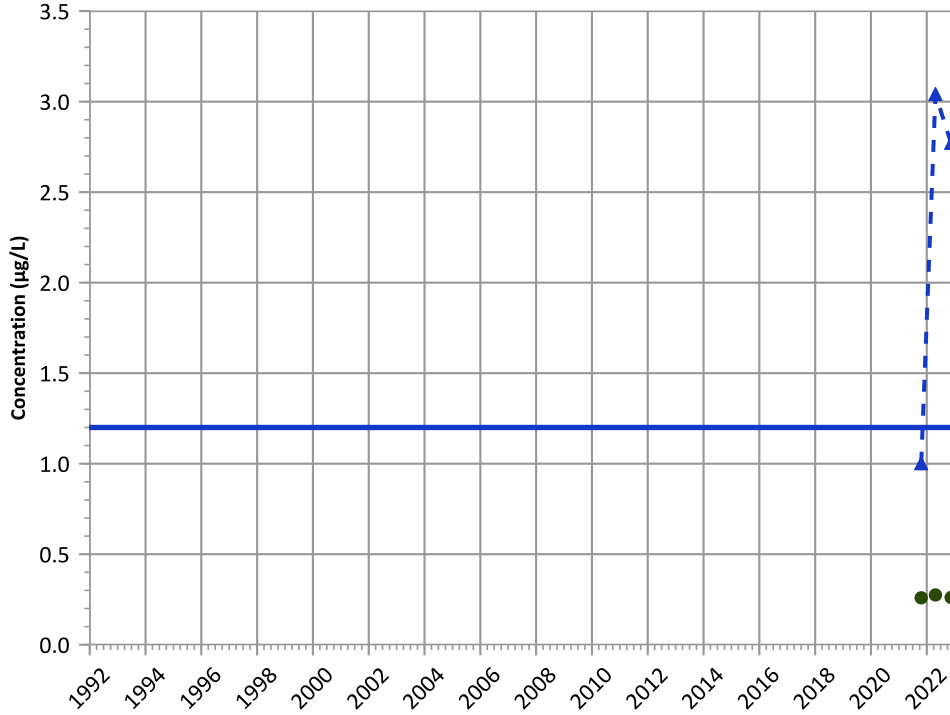
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

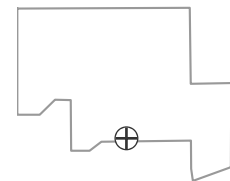
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

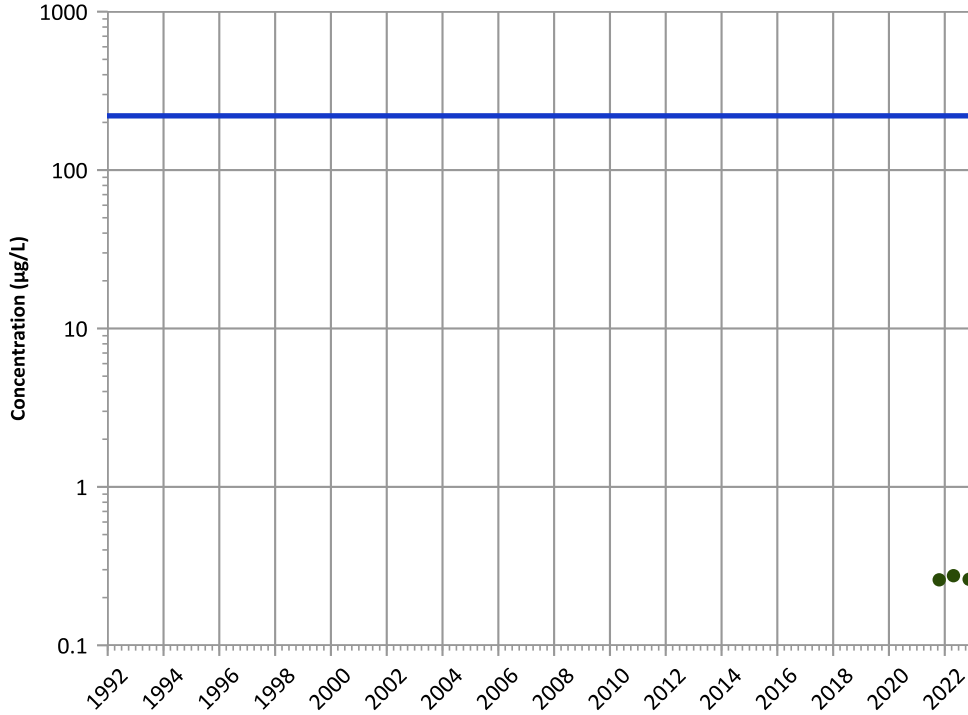


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

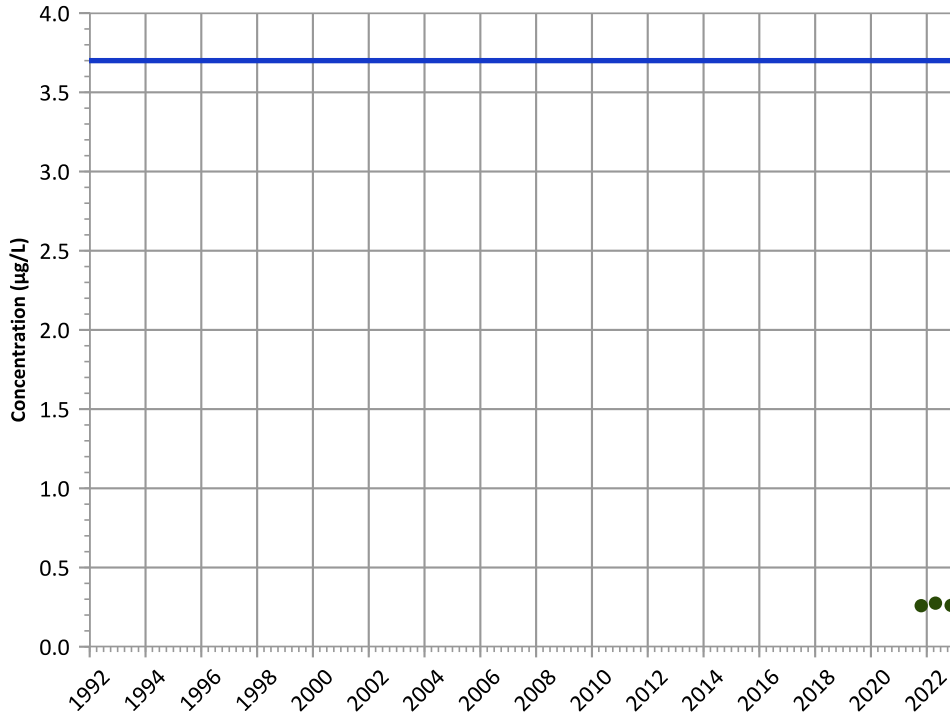
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

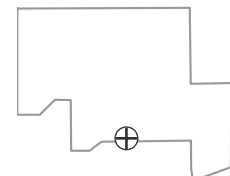
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

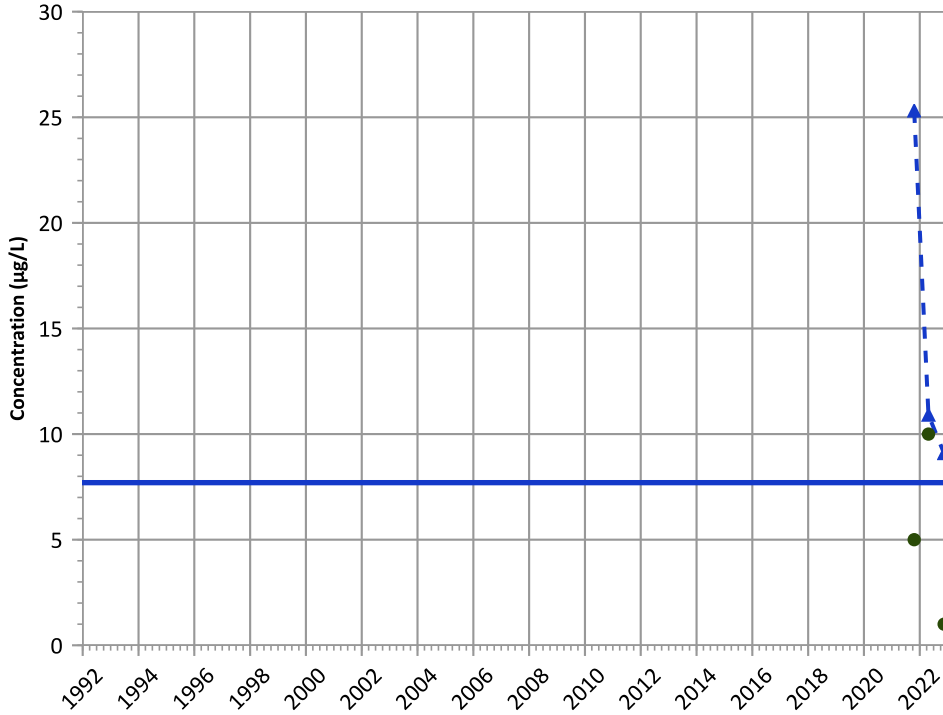
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

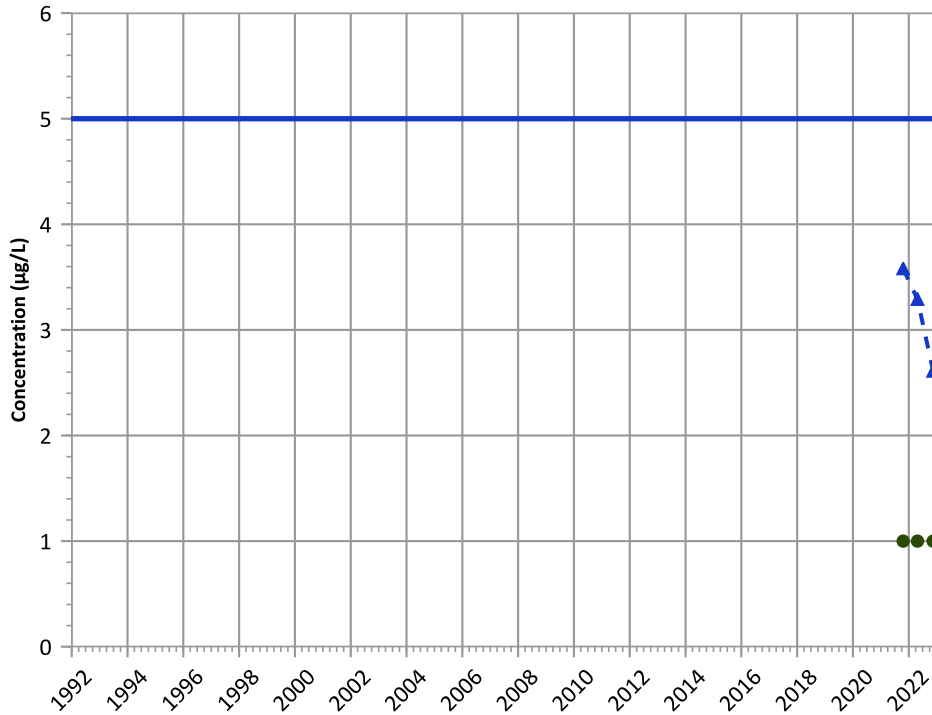
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

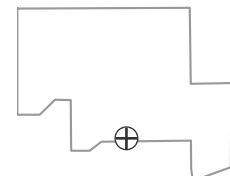
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

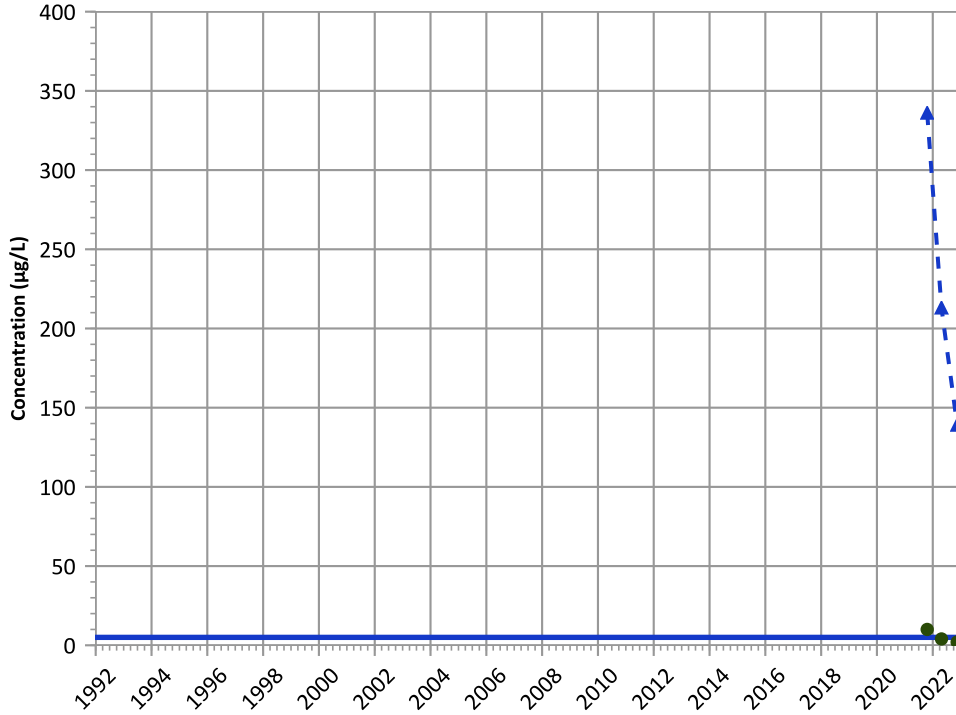
Data Date Range: 10/20/2021 to 11/16/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

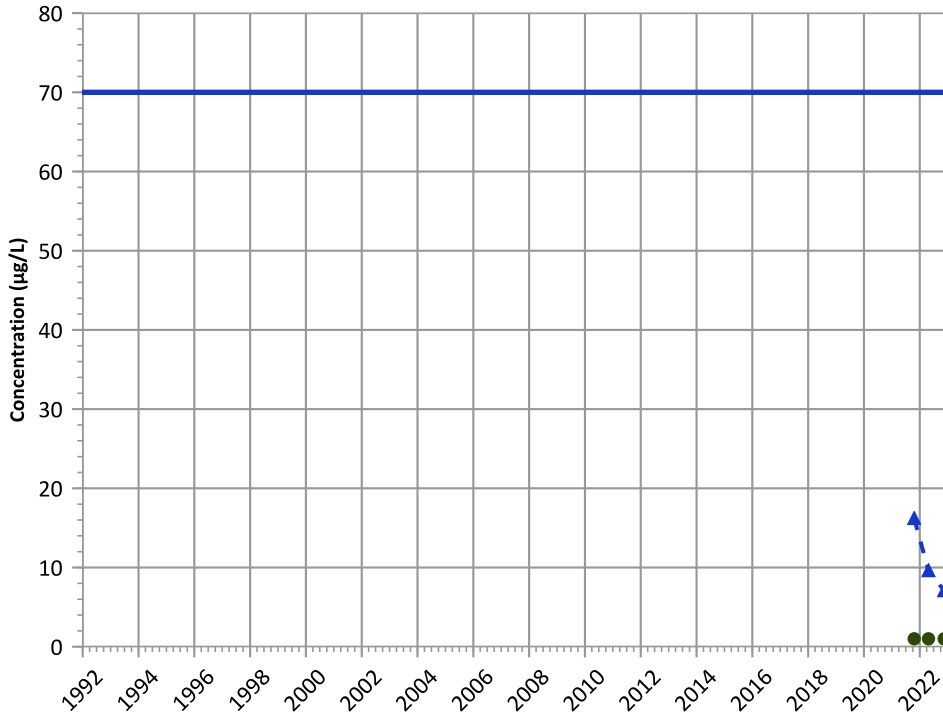
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

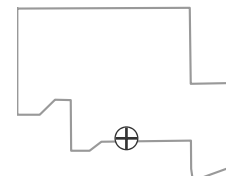
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 10/20/2021 to 11/16/2022

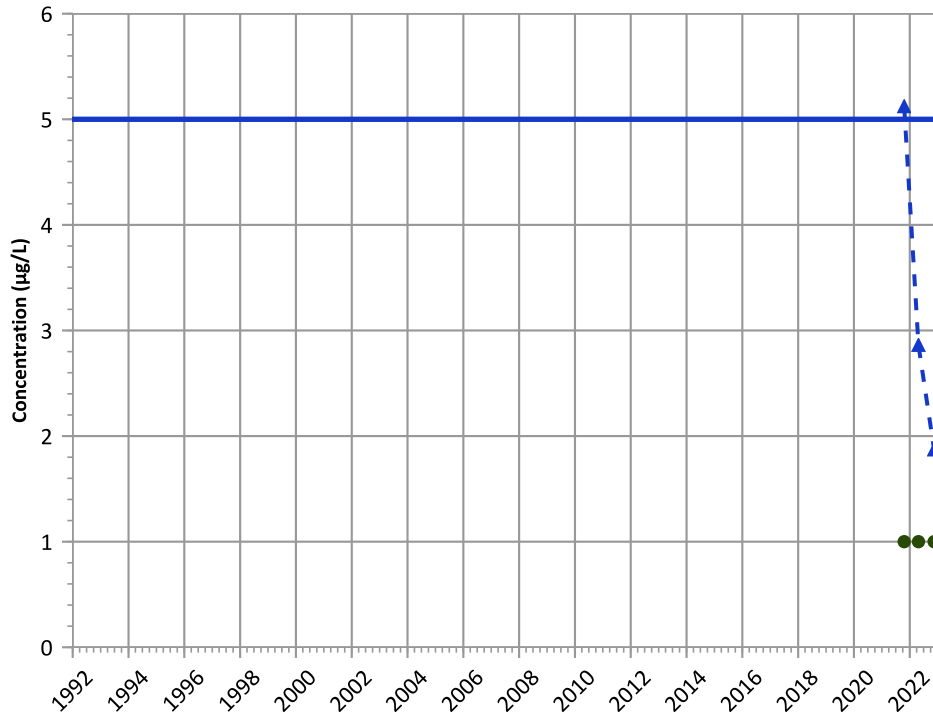
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

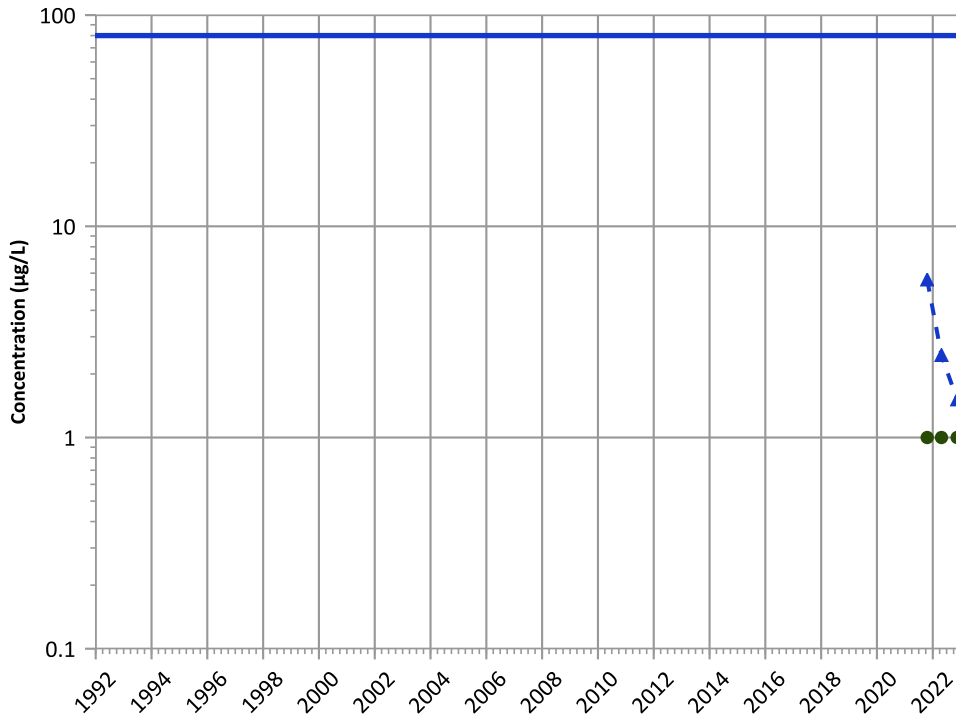


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chloroform Trend**

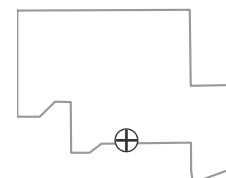


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

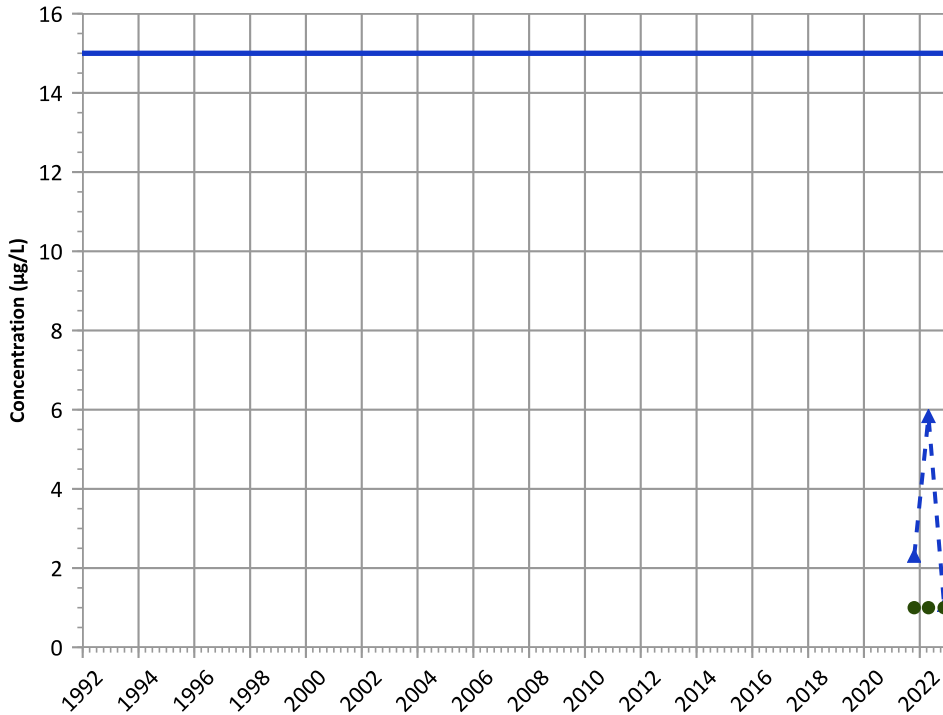
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**

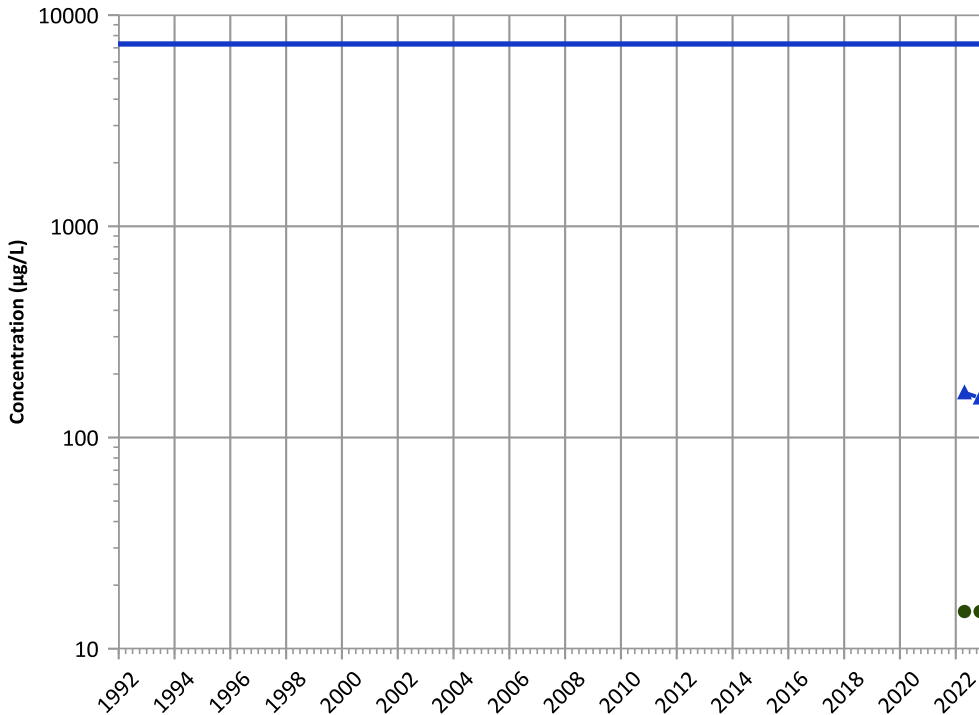


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**

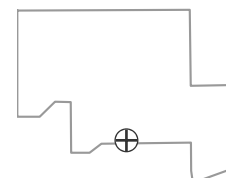


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

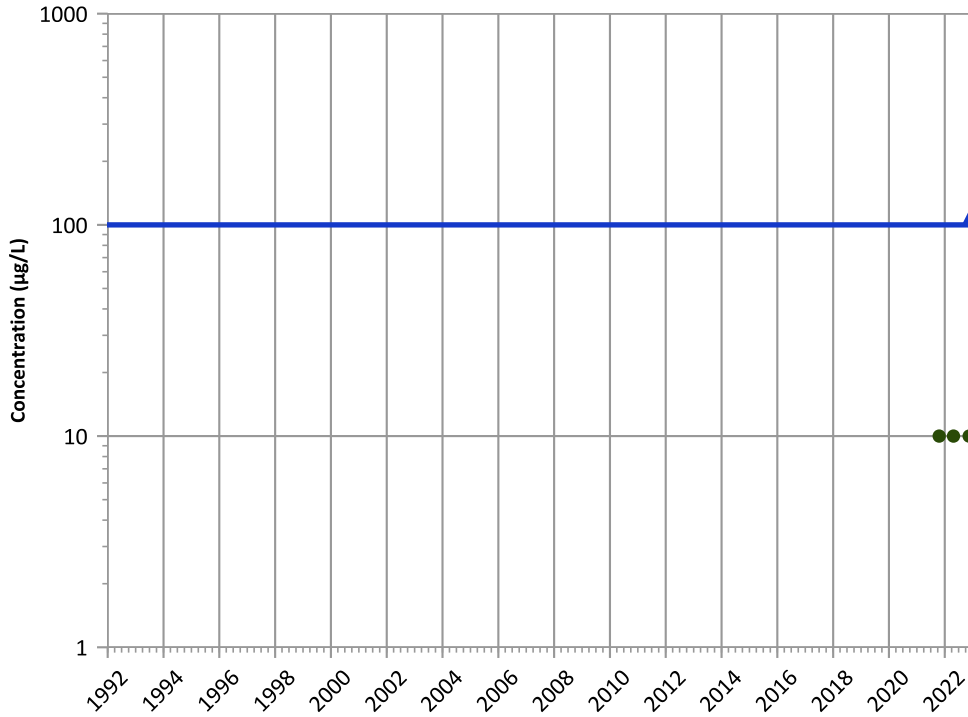
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

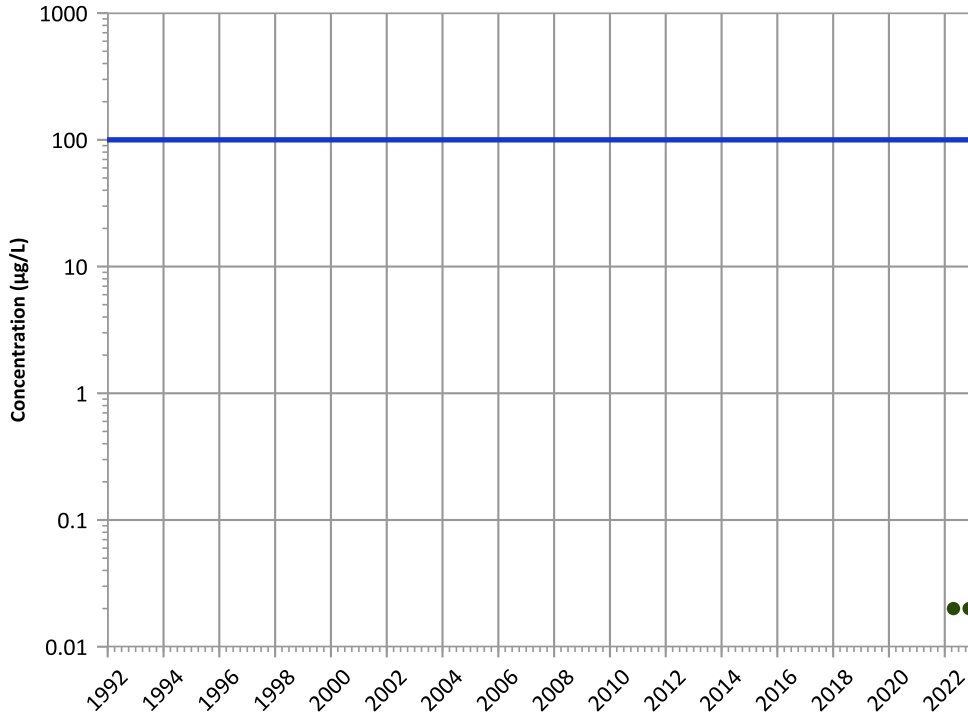
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**Chromium, Hexavalent Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

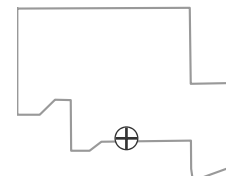
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

**Well Location**

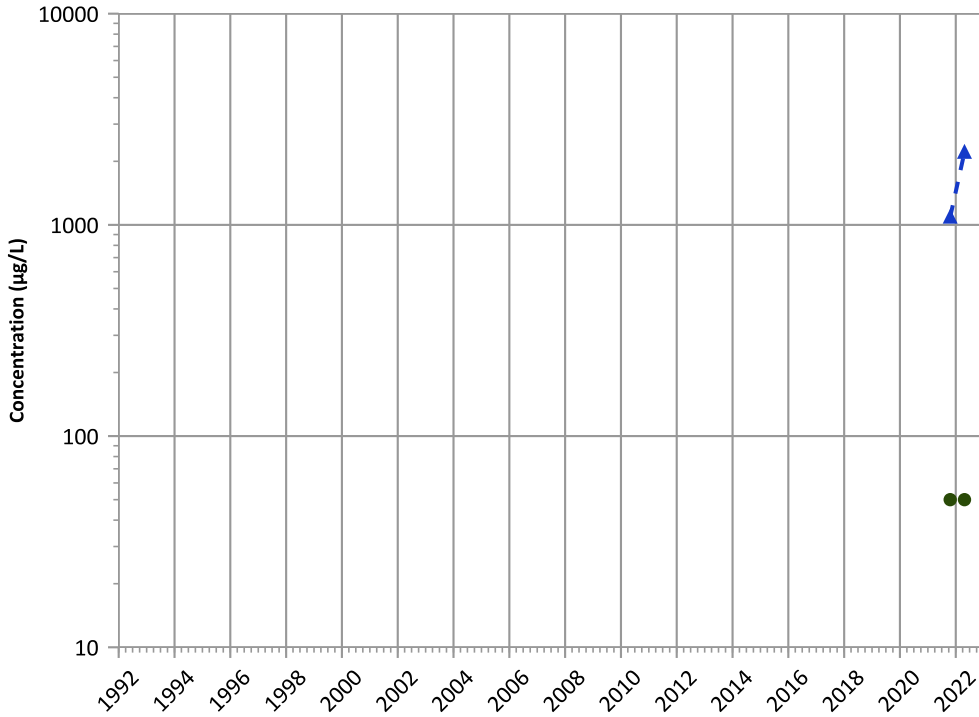


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

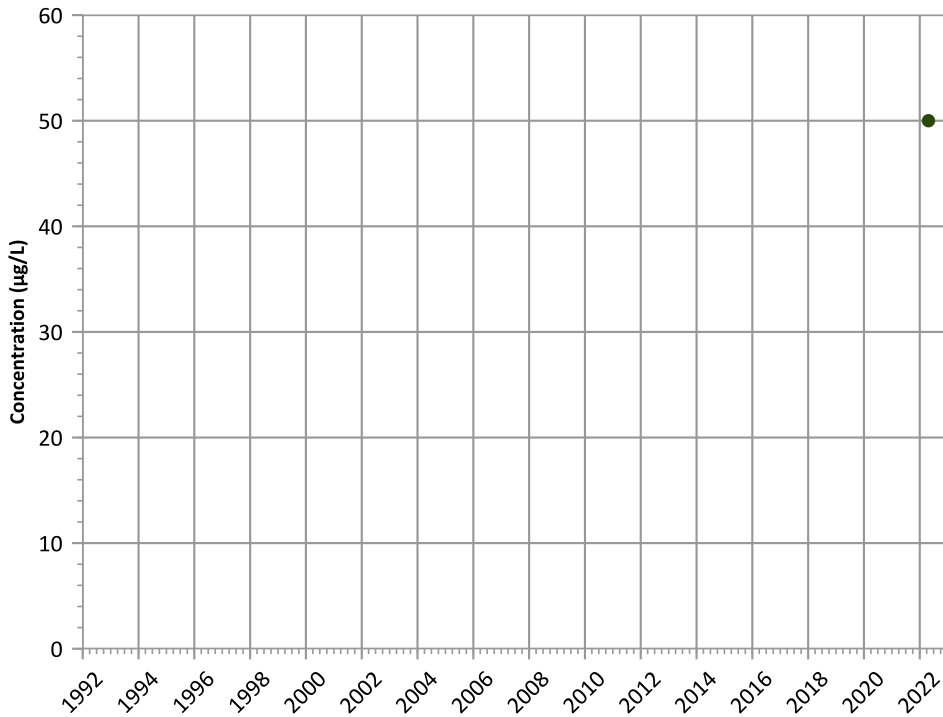


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

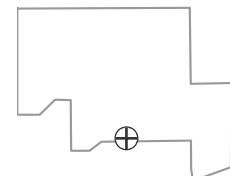


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location



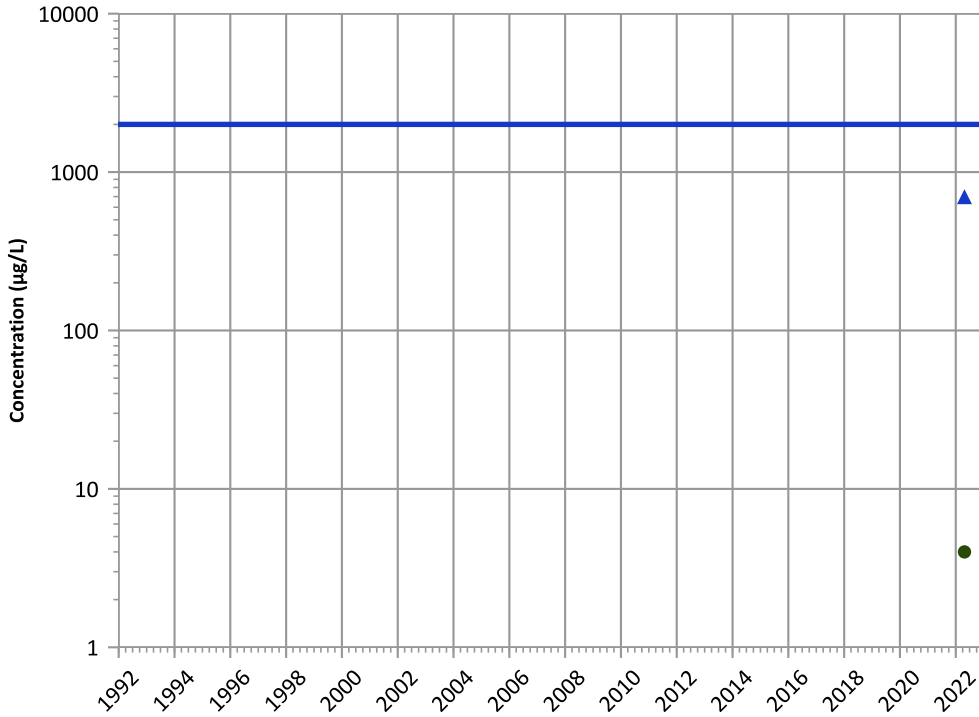
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

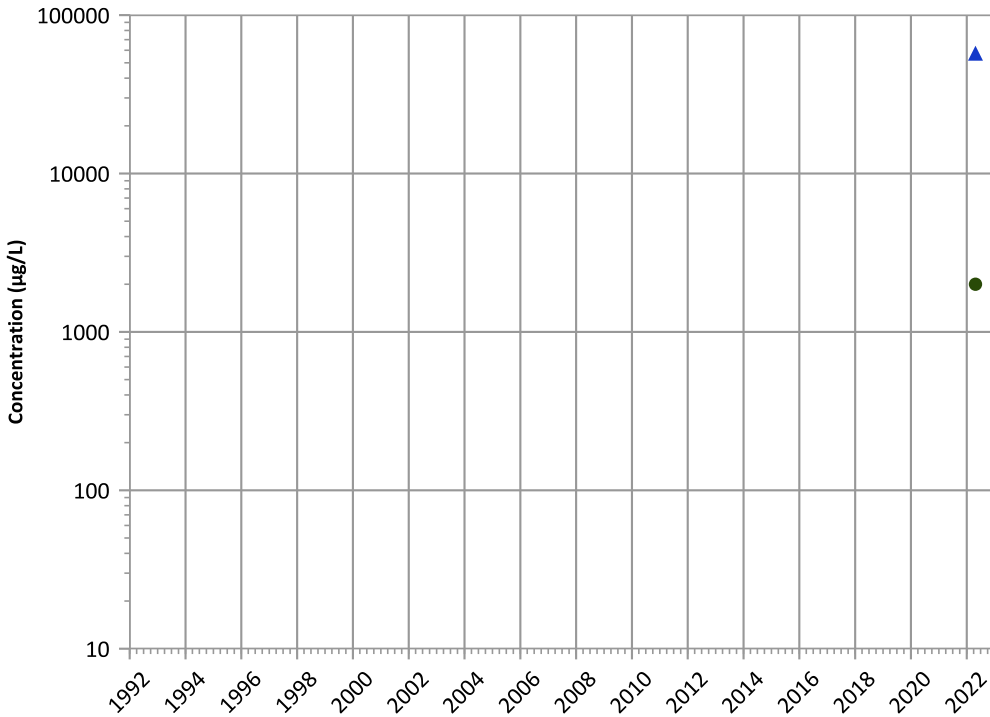


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Calcium Trend



Concentration Trend

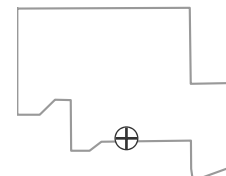
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

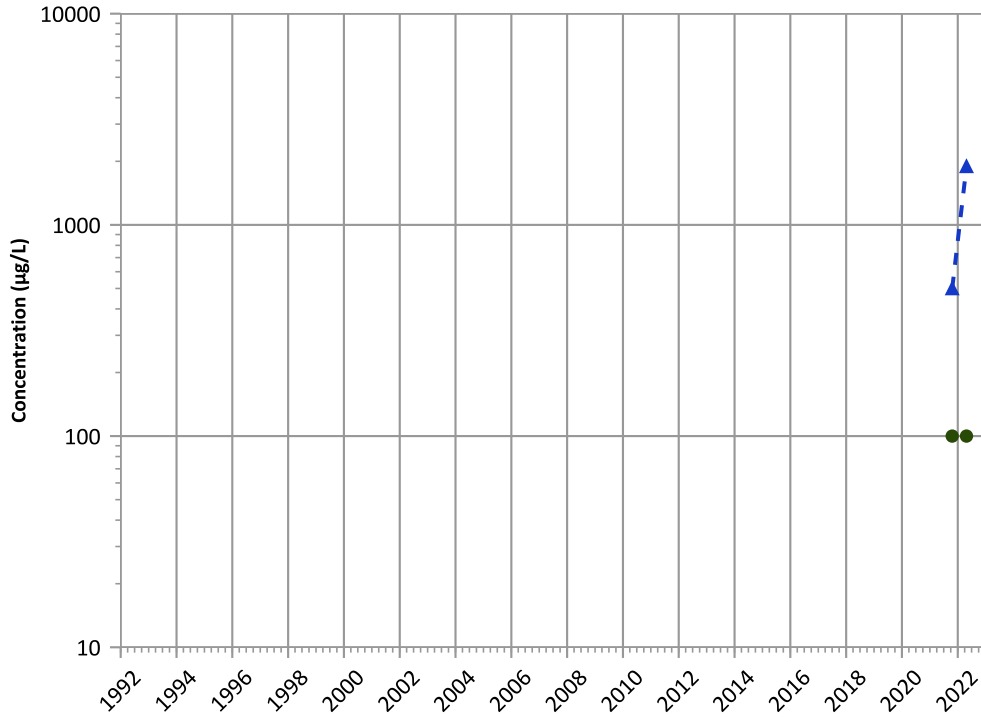
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

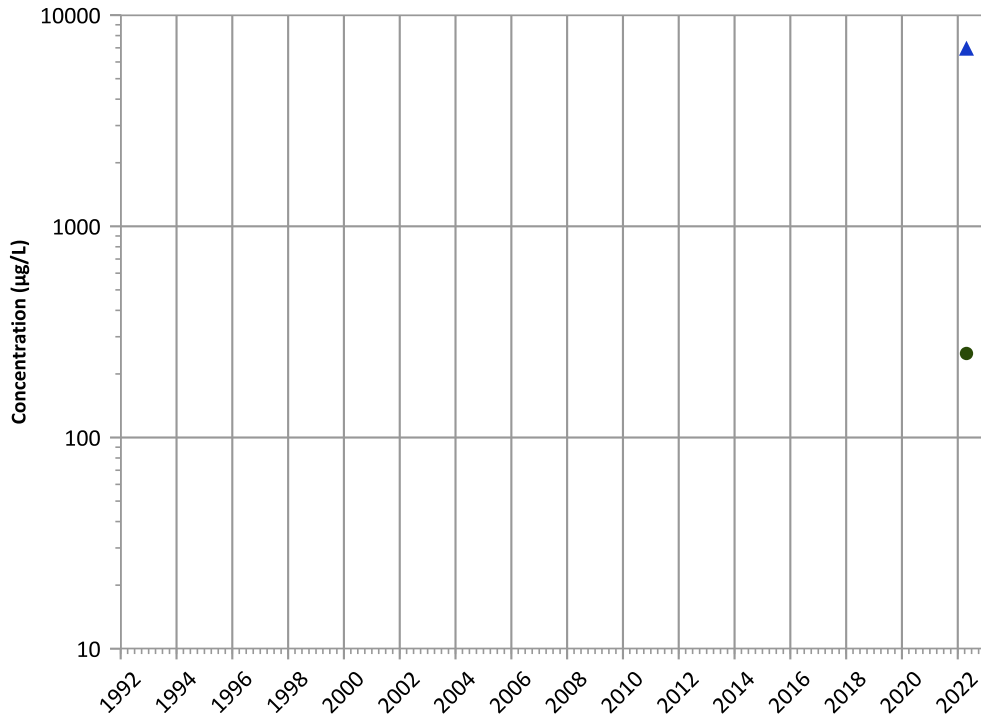


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Potassium Trend

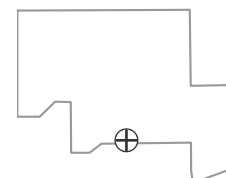


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

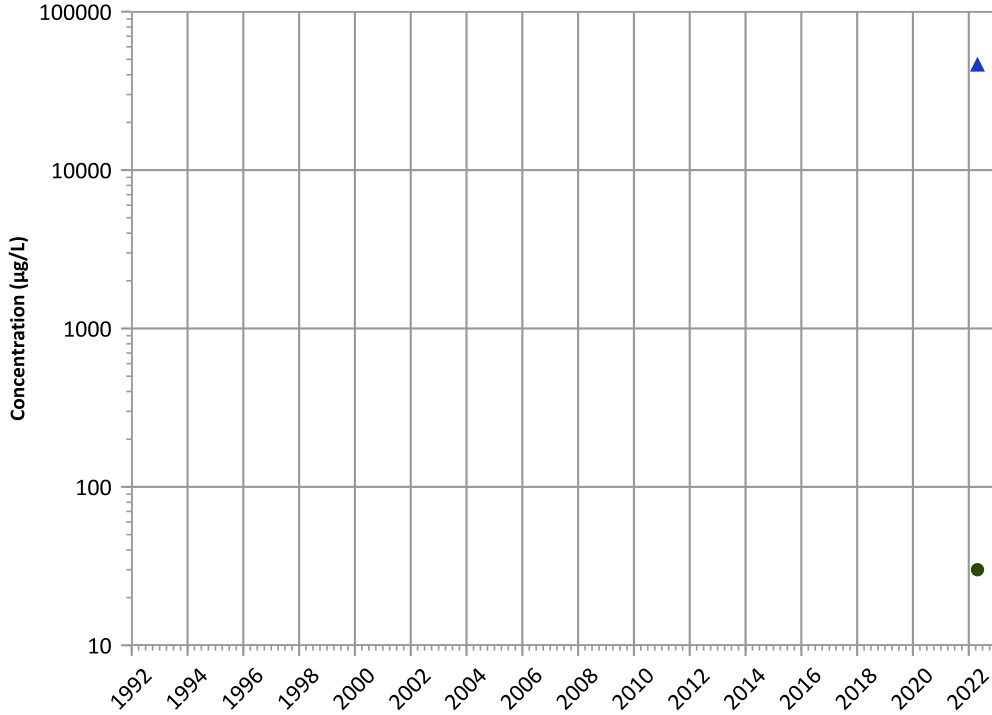


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1211 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

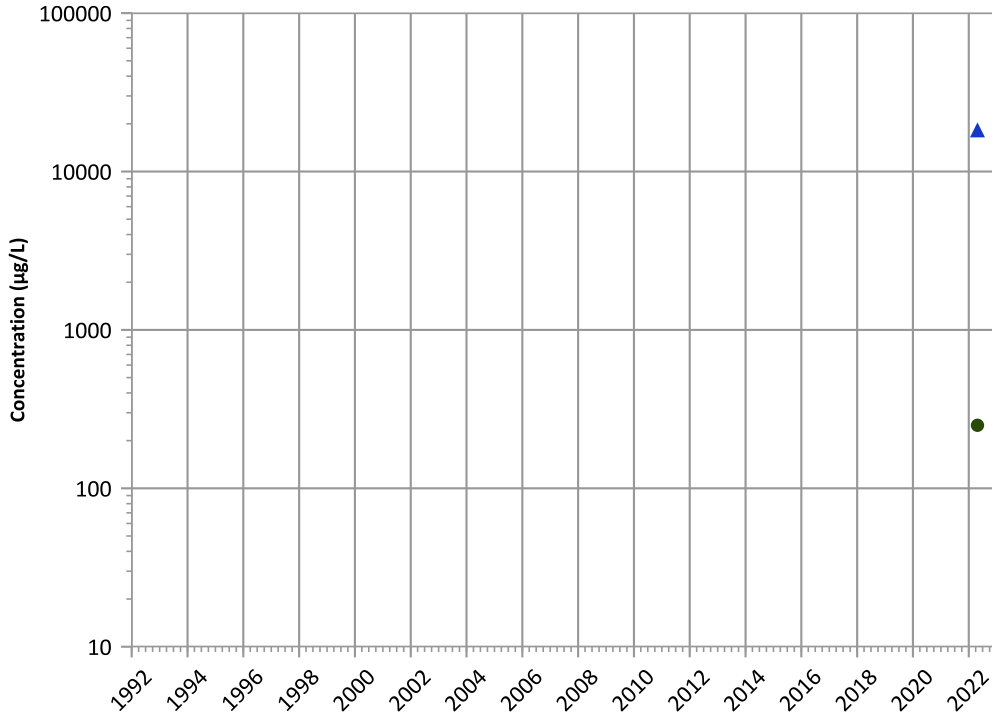


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sodium Trend

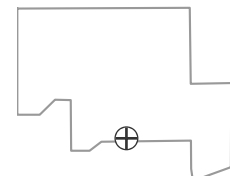


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

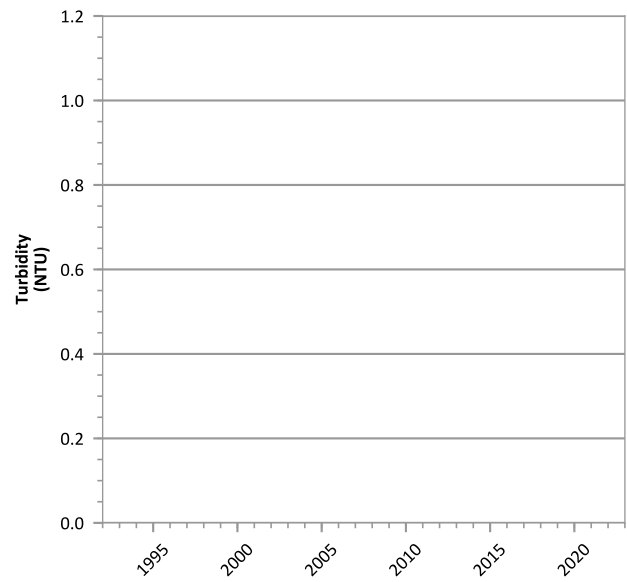
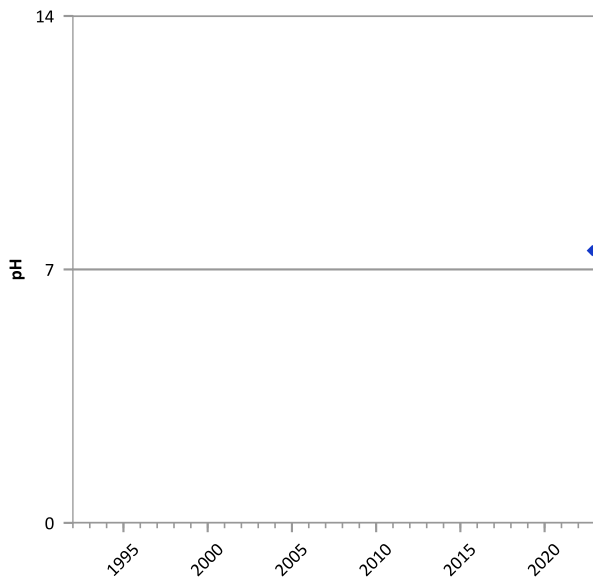
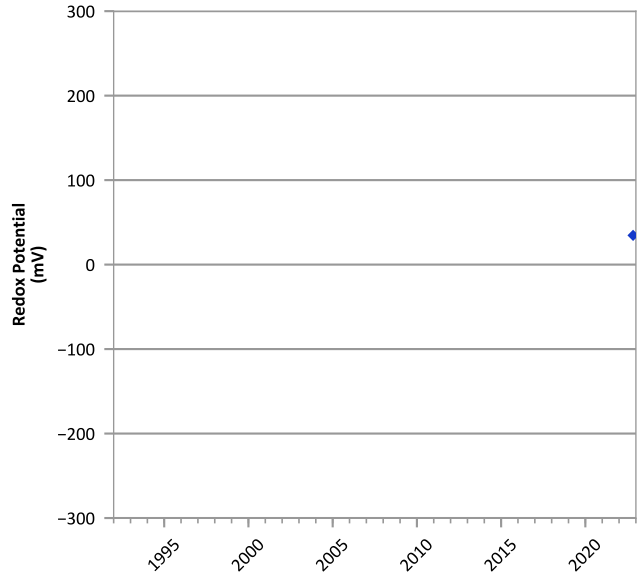
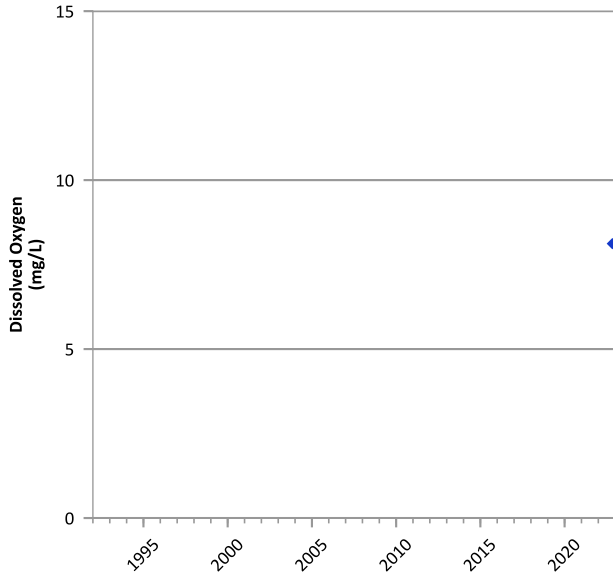
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/20/2021 to 11/16/2022  
Analysis Date: 04/27/2023

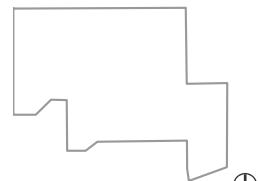
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1215 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters



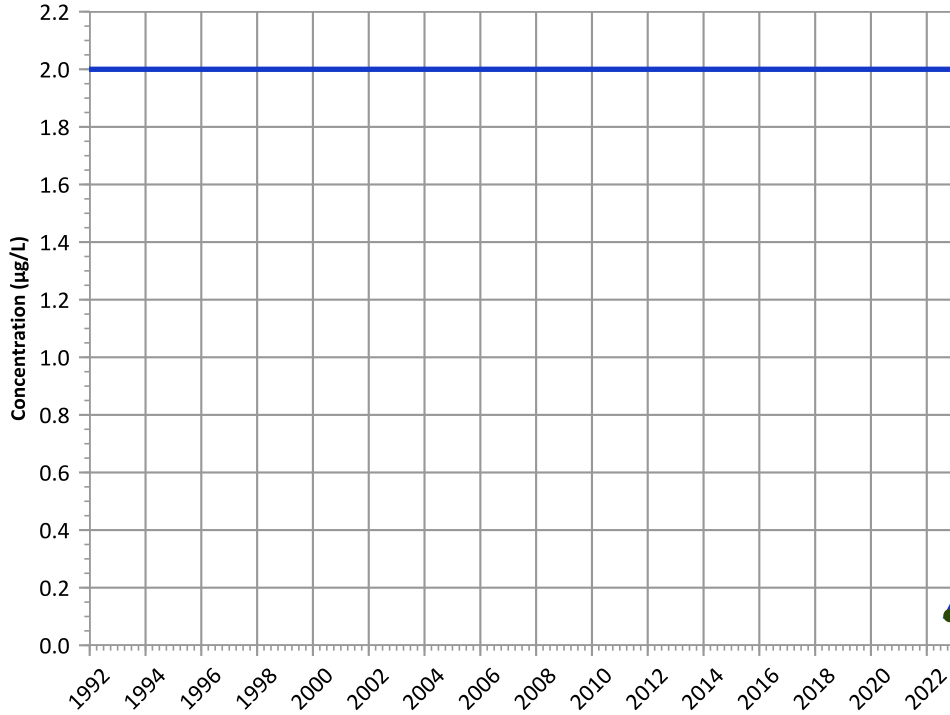
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/27/2023

Well Location



PTX06-1215 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

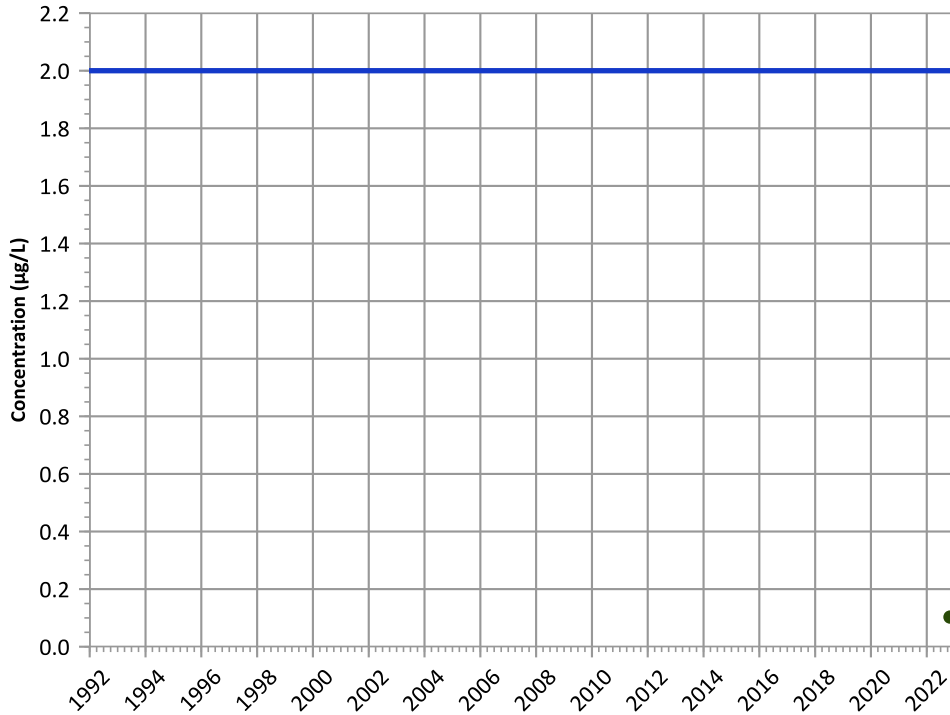


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

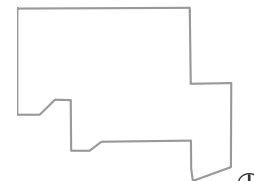


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

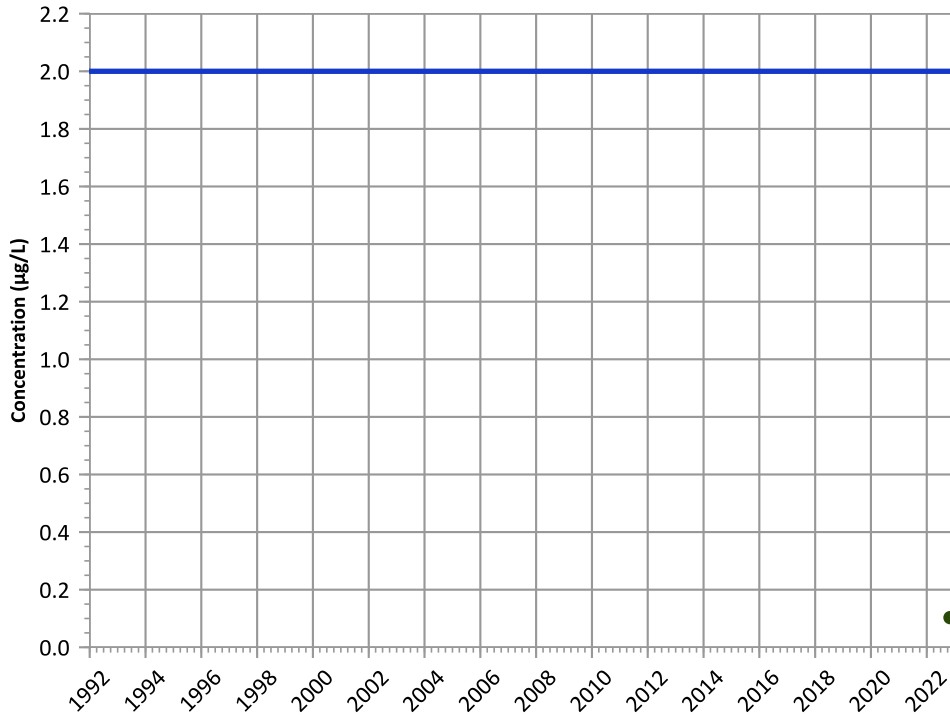
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1215 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

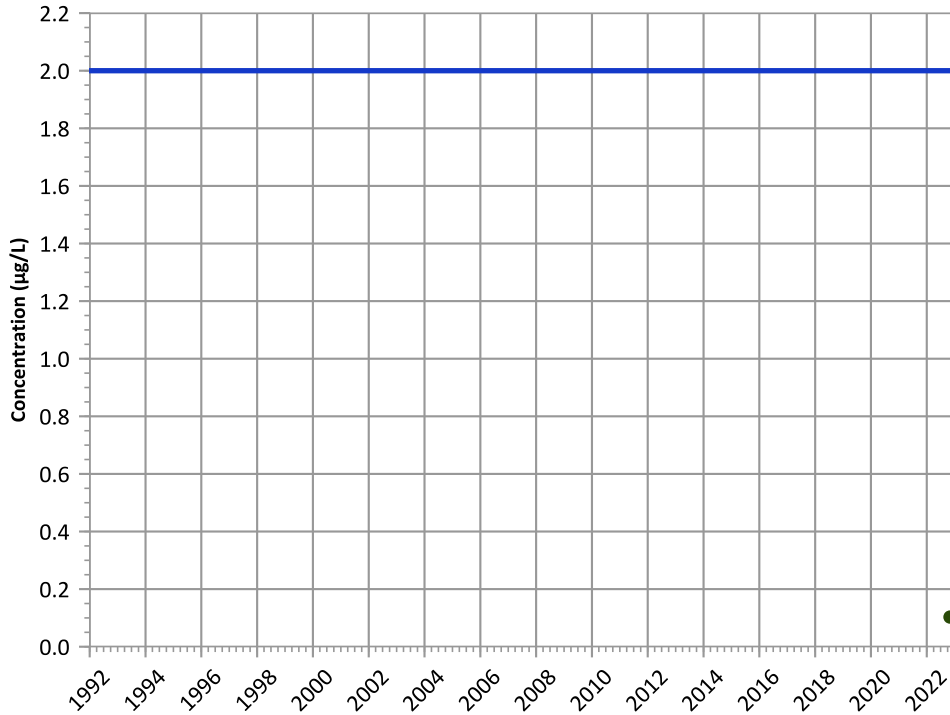
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

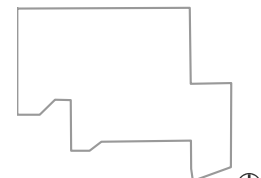
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022

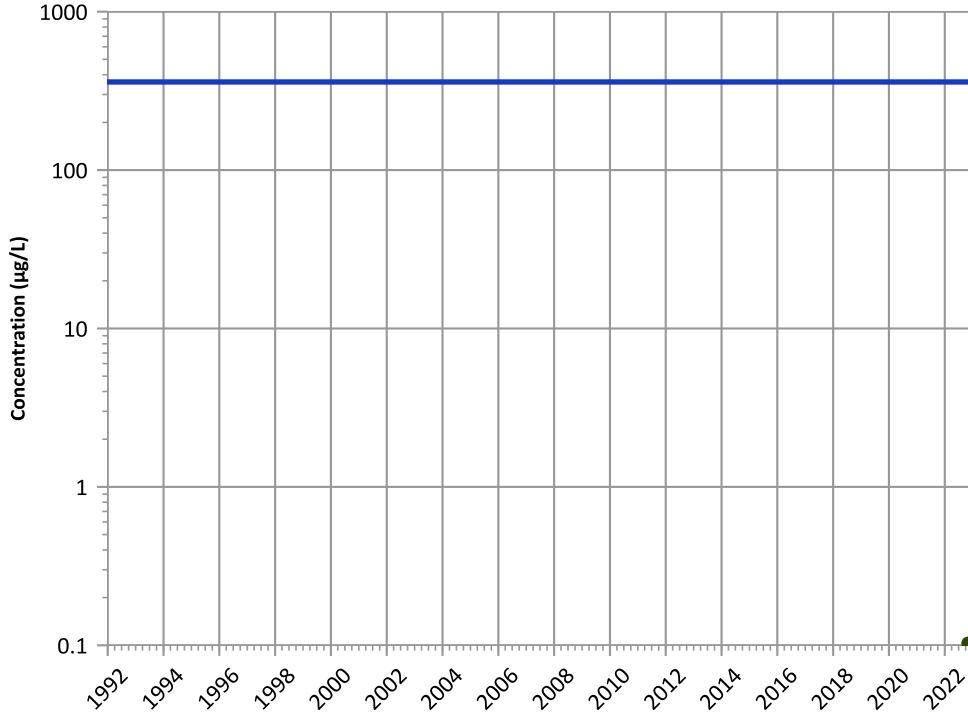
Data Date Range: 11/01/2022 to 11/01/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1215 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

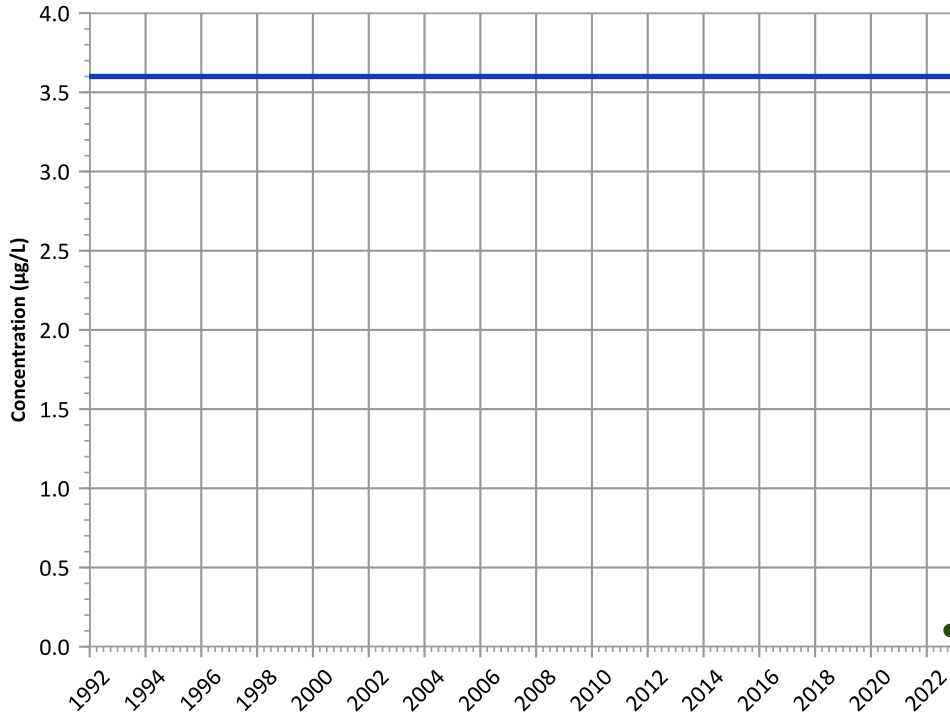


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend

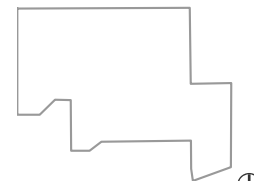


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

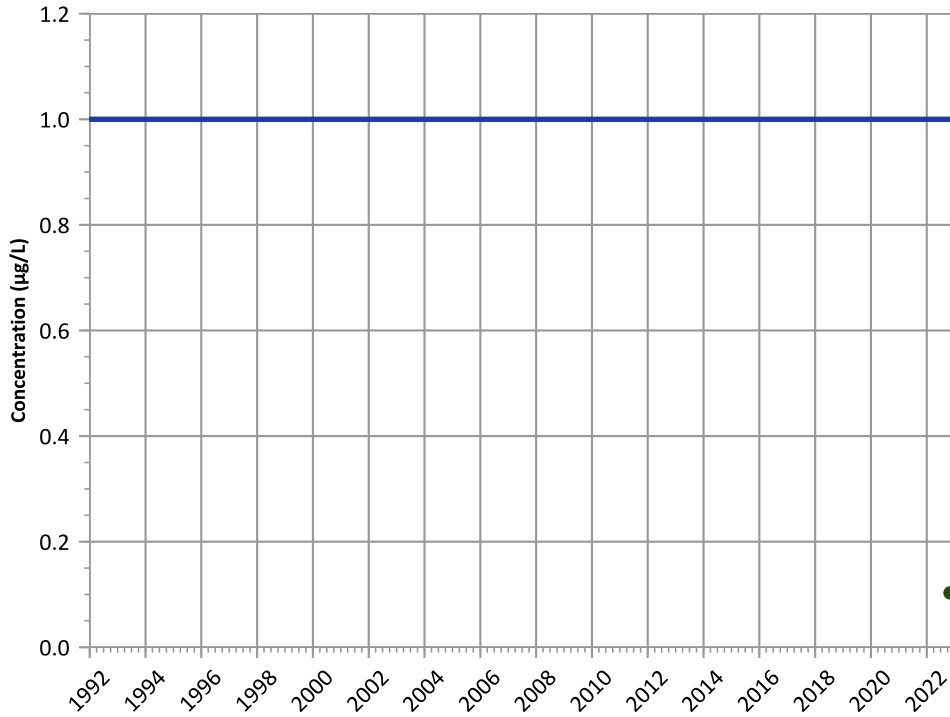
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1215 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

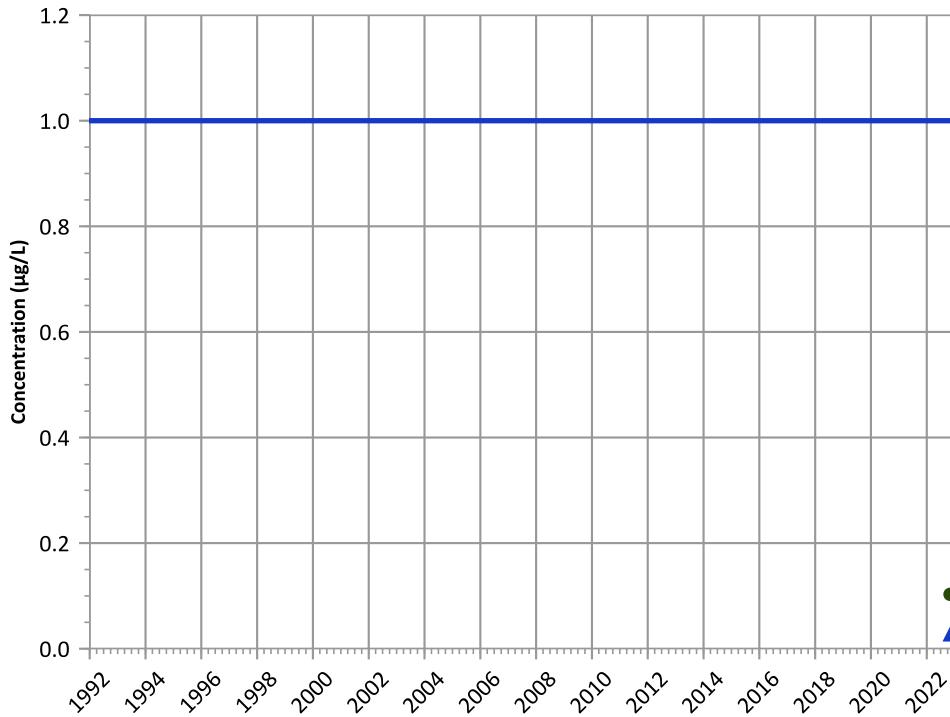


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

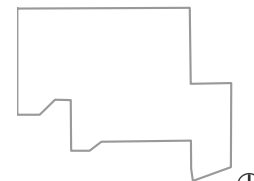


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**



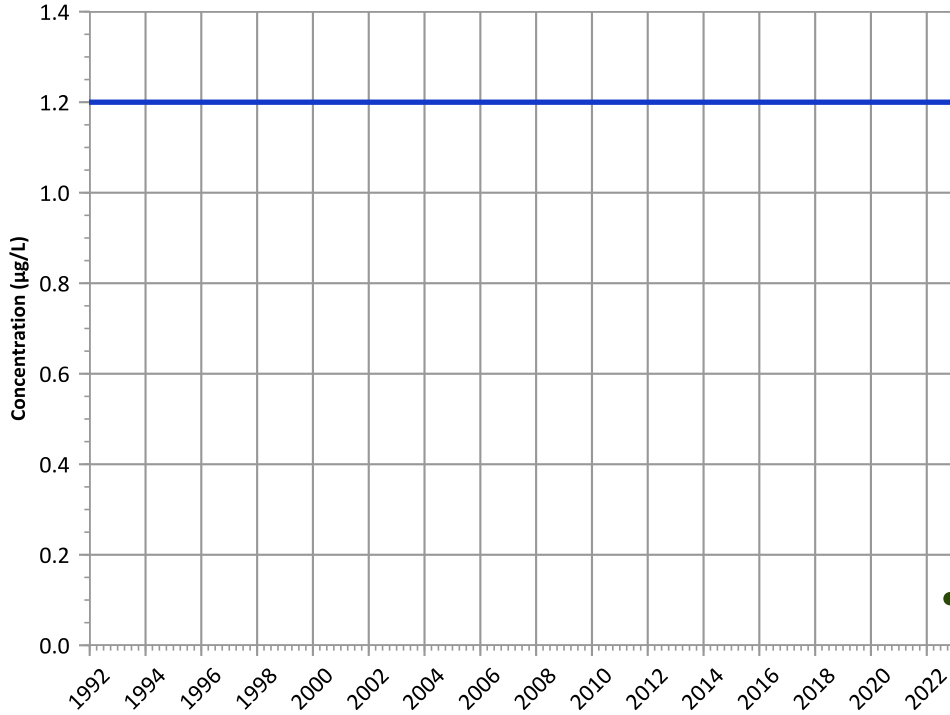
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1215 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

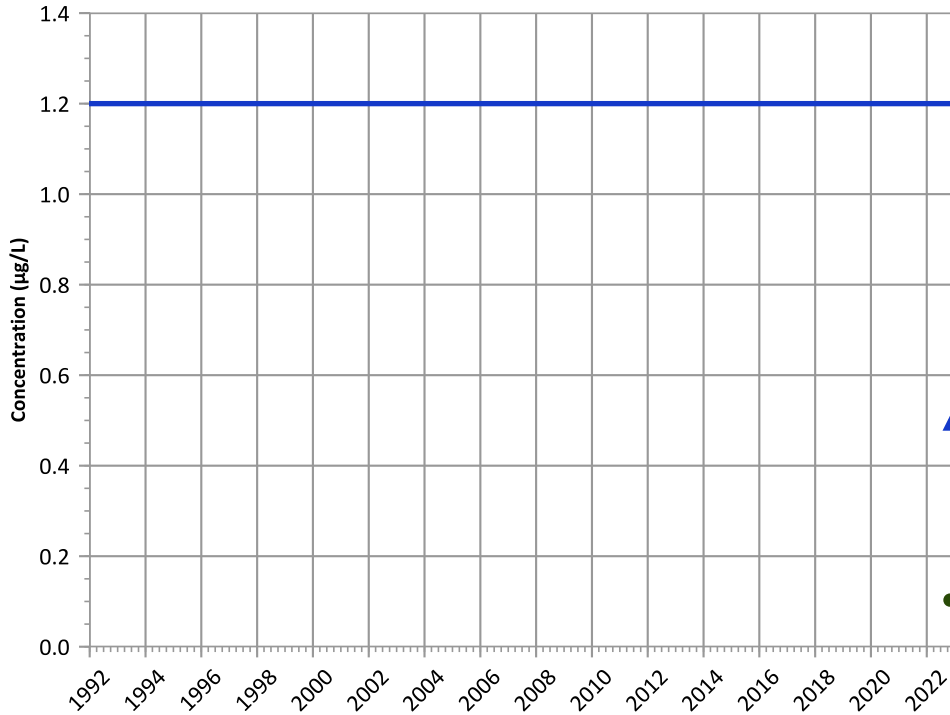
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

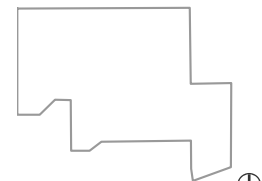
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

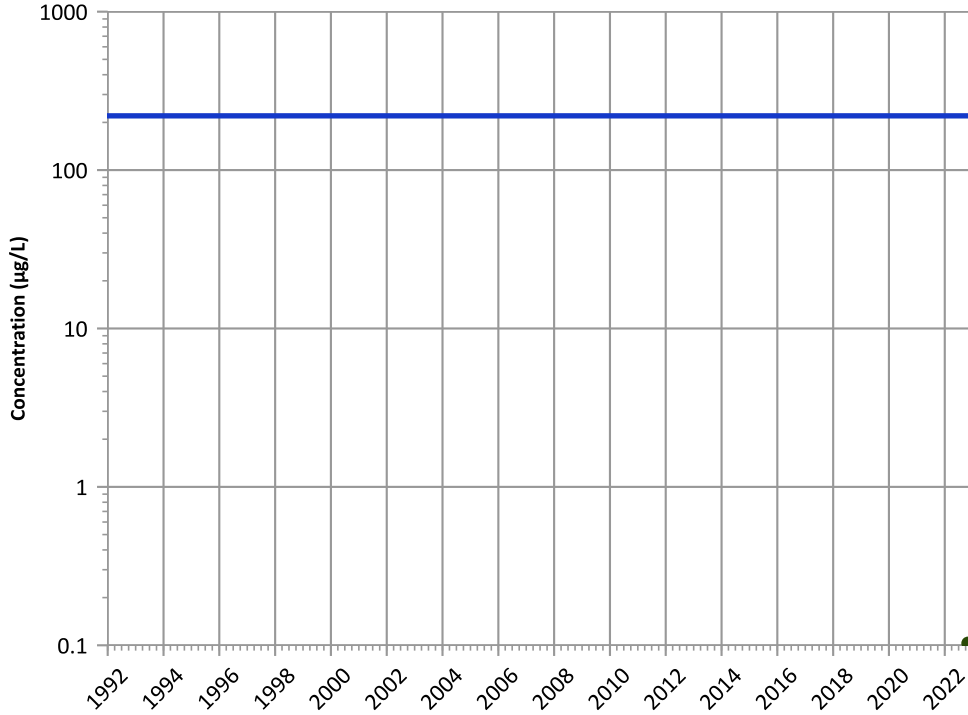


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1215 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

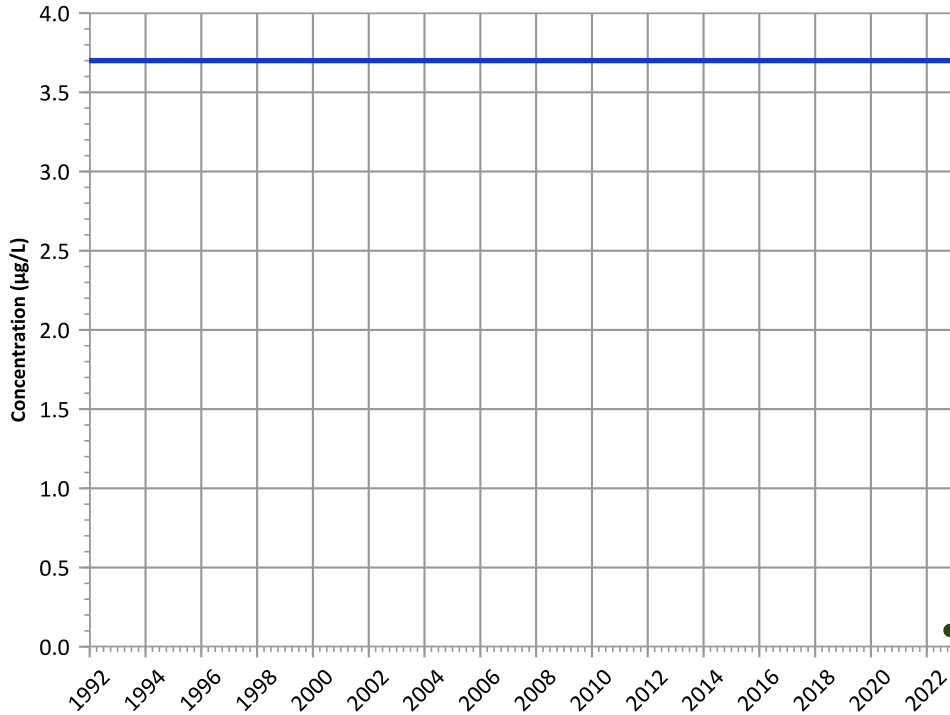


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

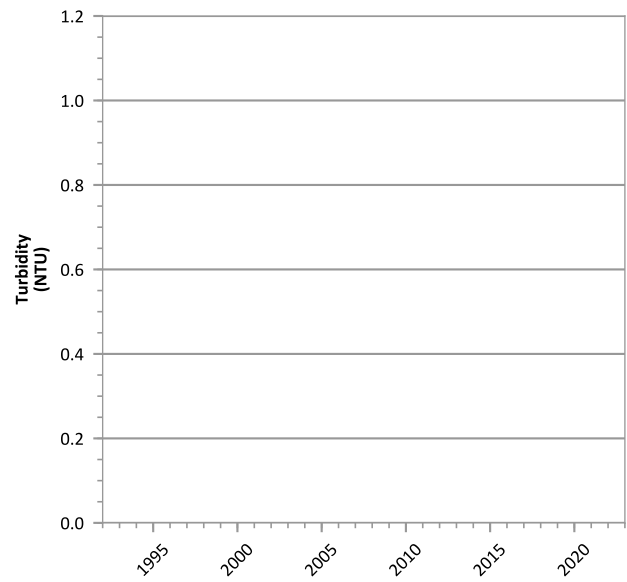
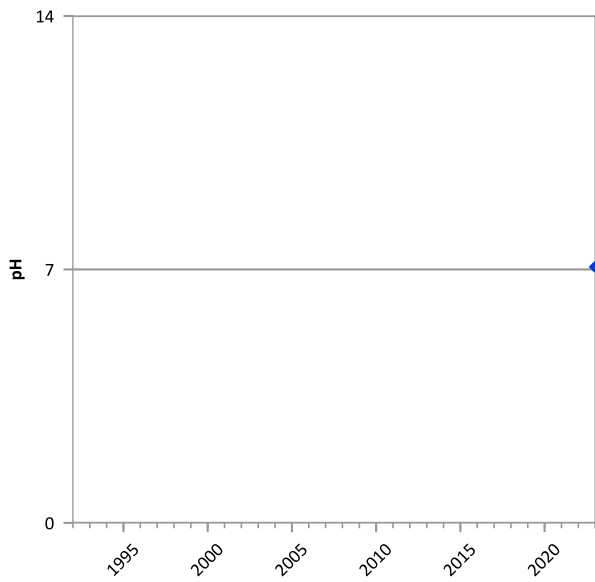
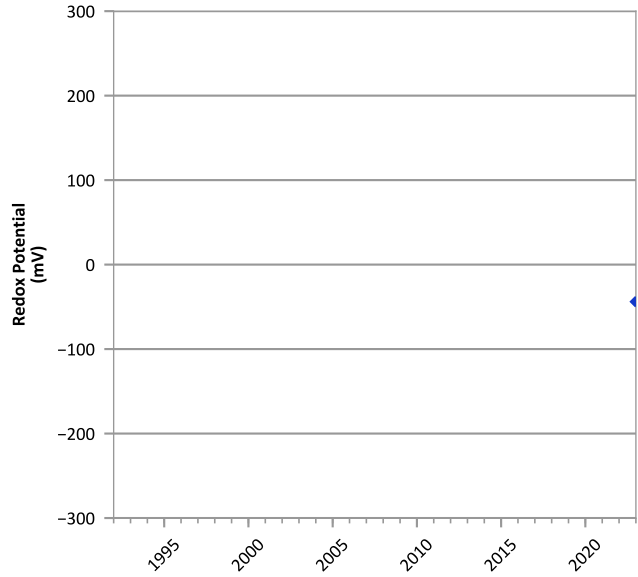
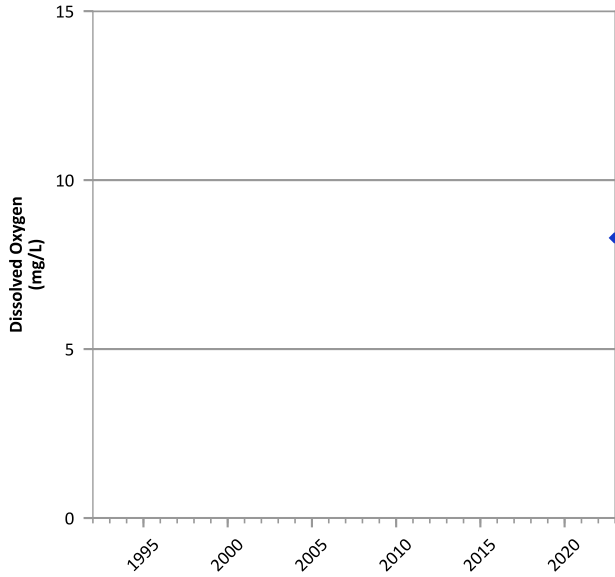
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1216 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters



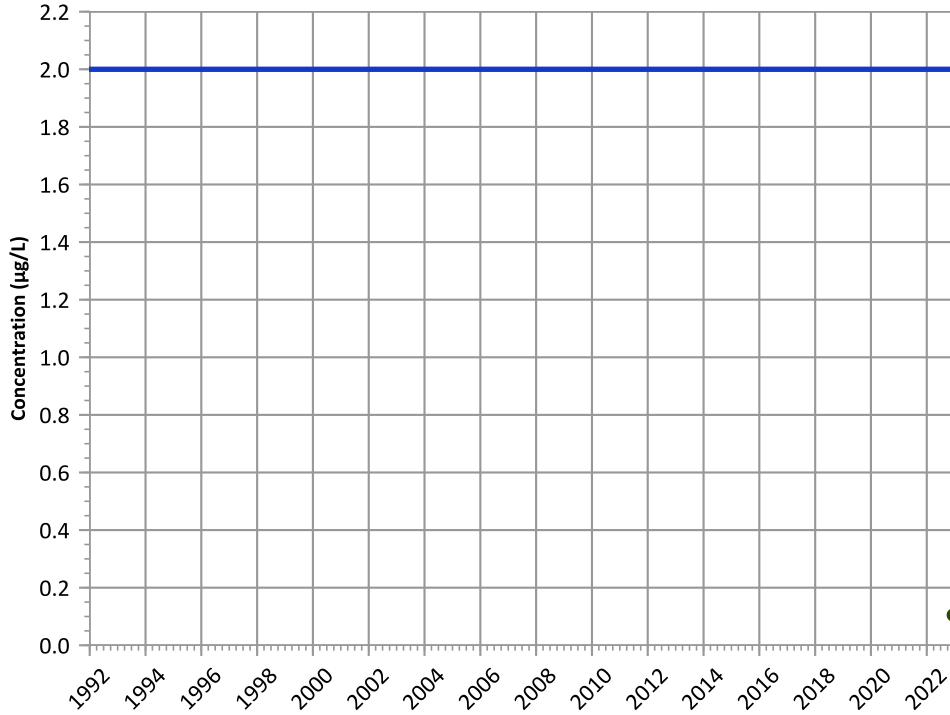
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/2022 to 12/14/2022  
Analysis Date: 04/27/2023

Well Location



PTX06-1216 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

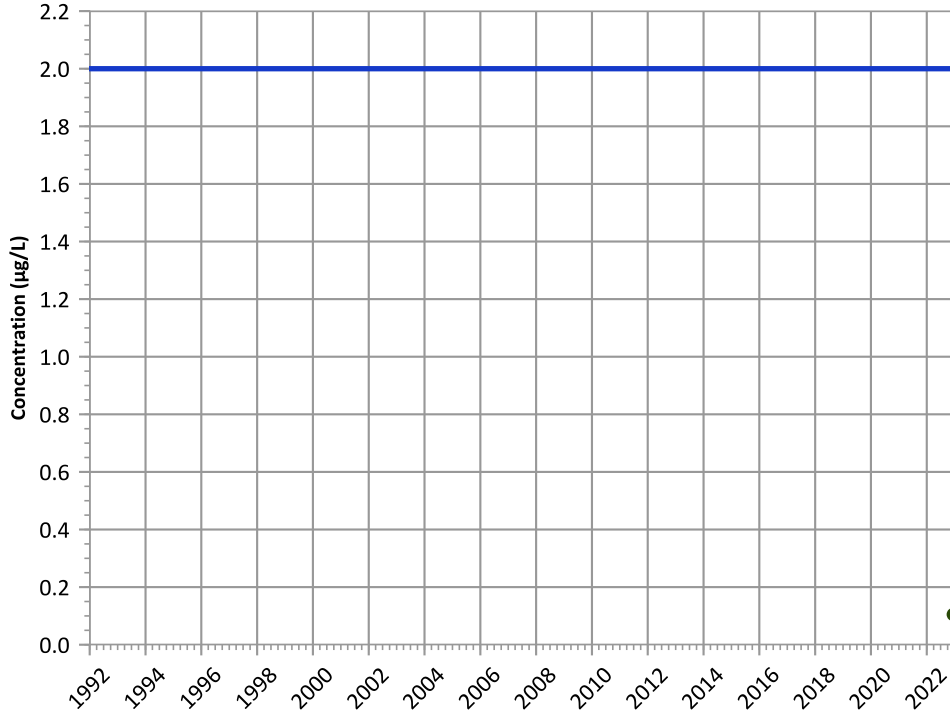
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

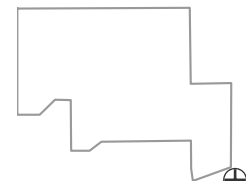
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

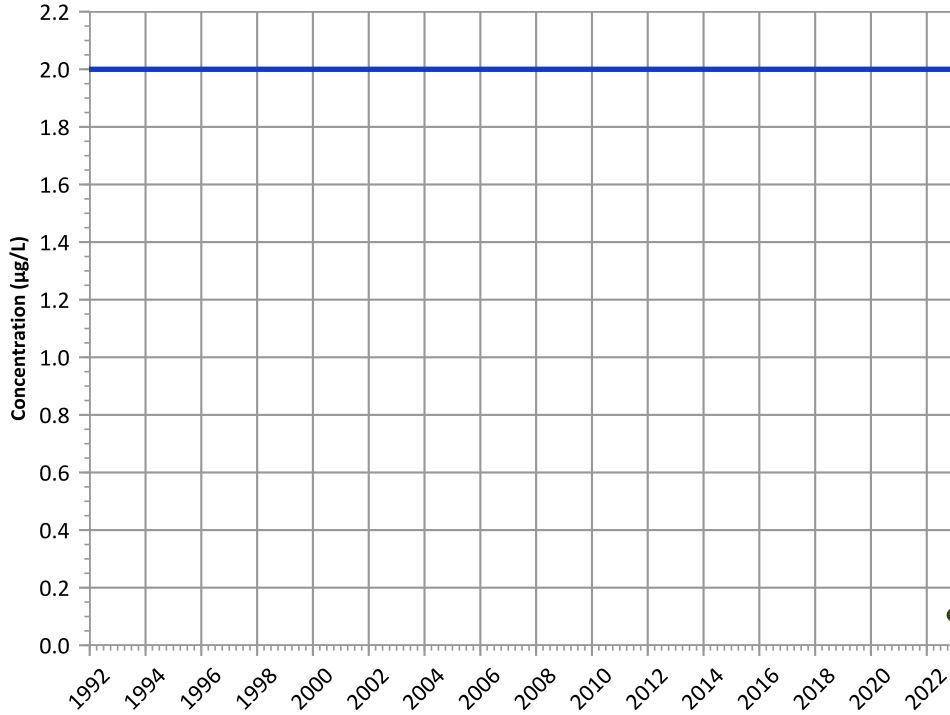
Data Date Range: 12/14/2022 to 12/14/2022

Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1216 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

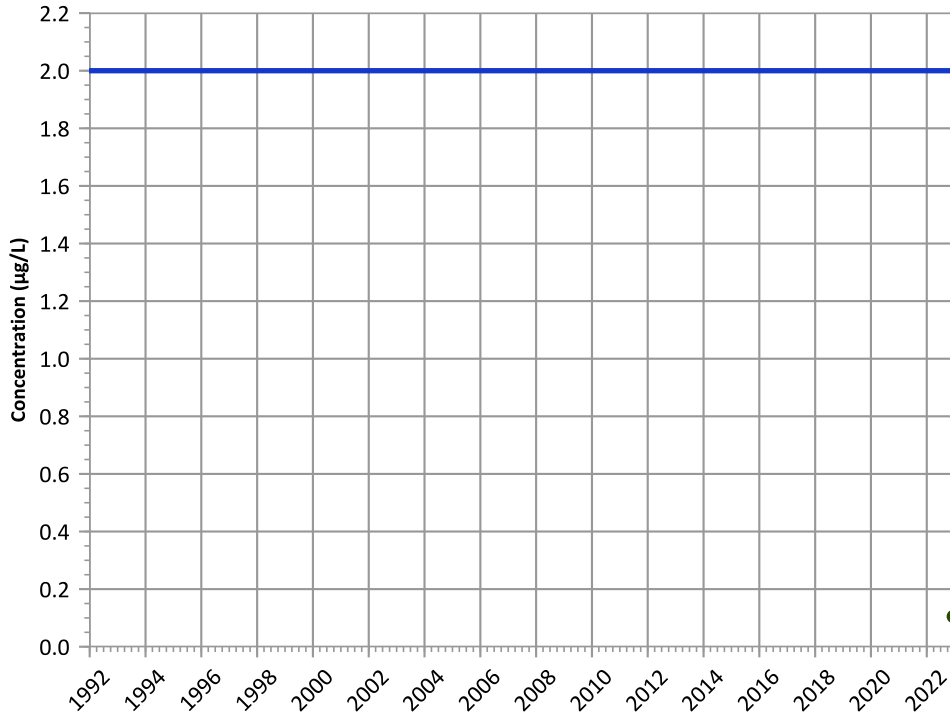


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

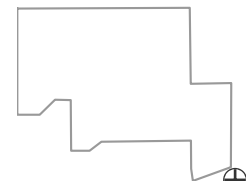


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

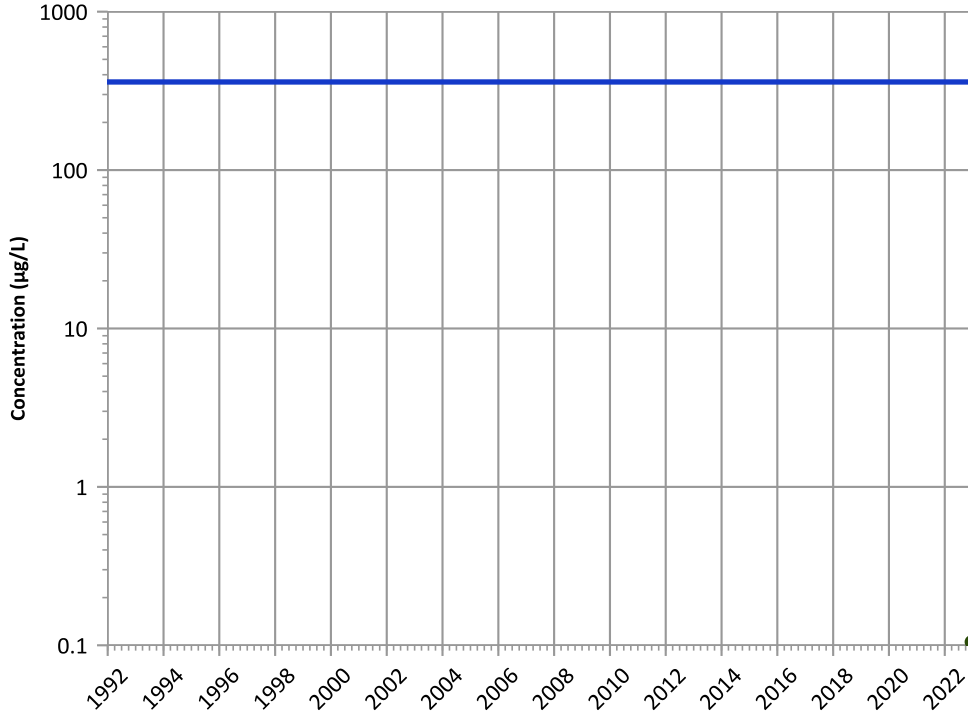


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/2022 to 12/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1216 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

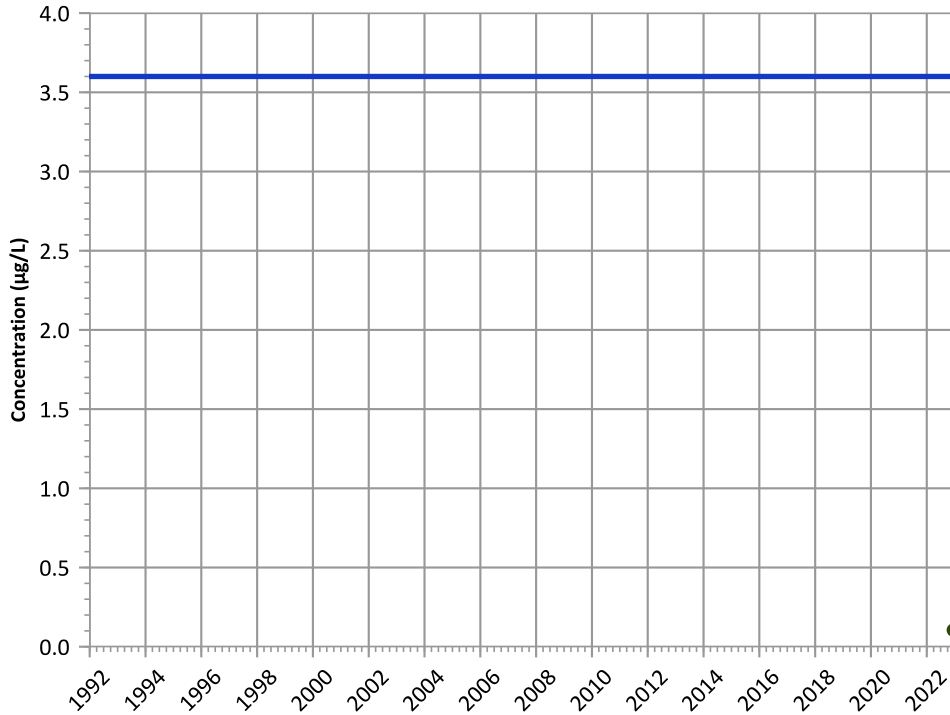
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

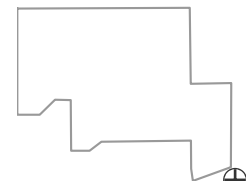
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

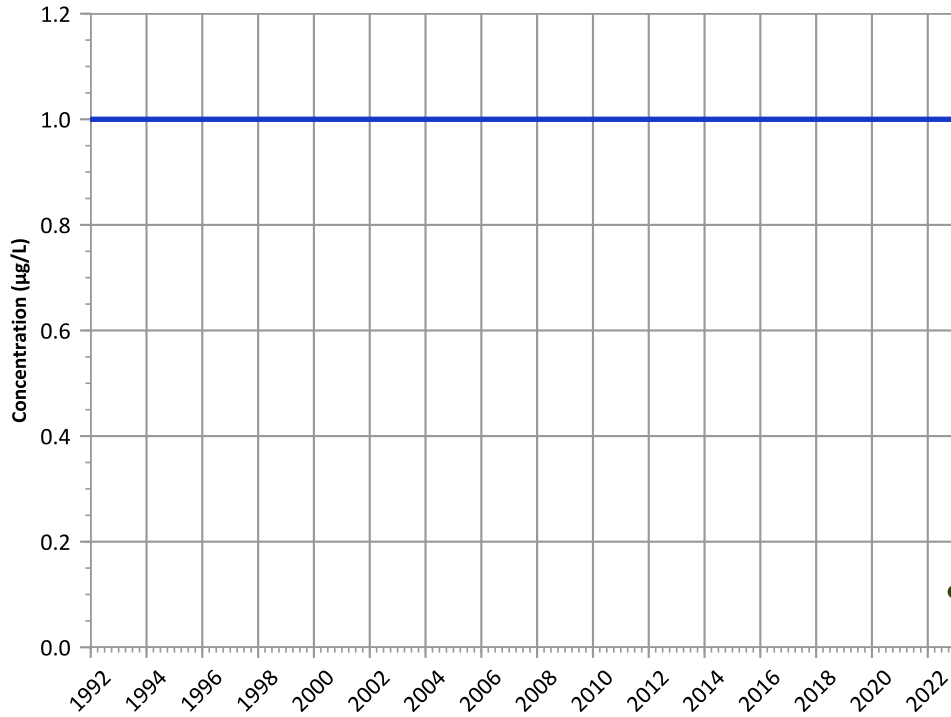
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/2022 to 12/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1216 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

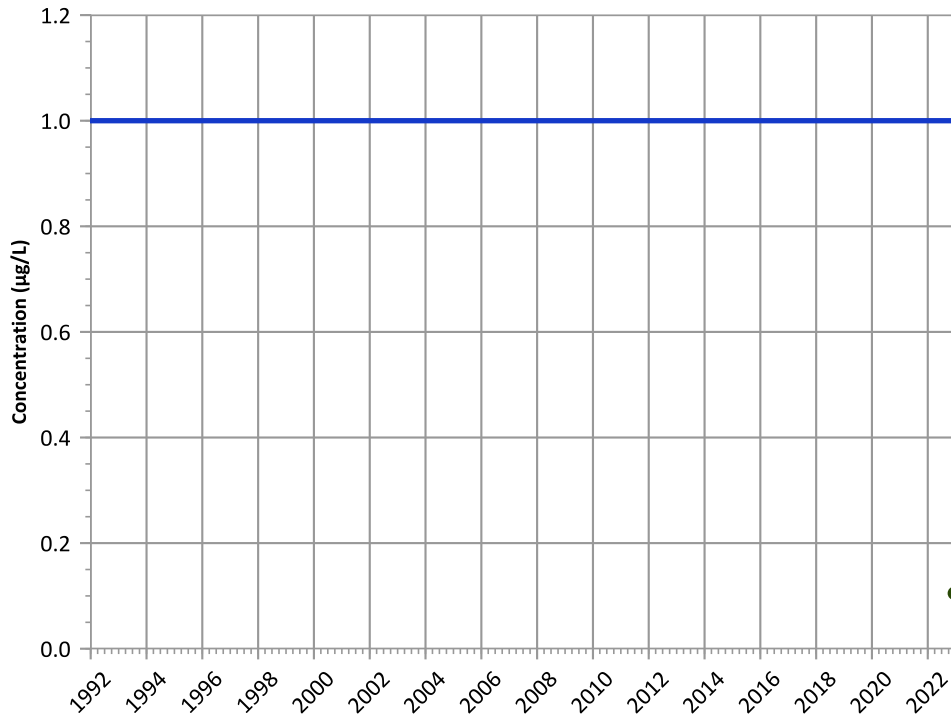


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

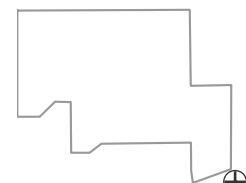


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

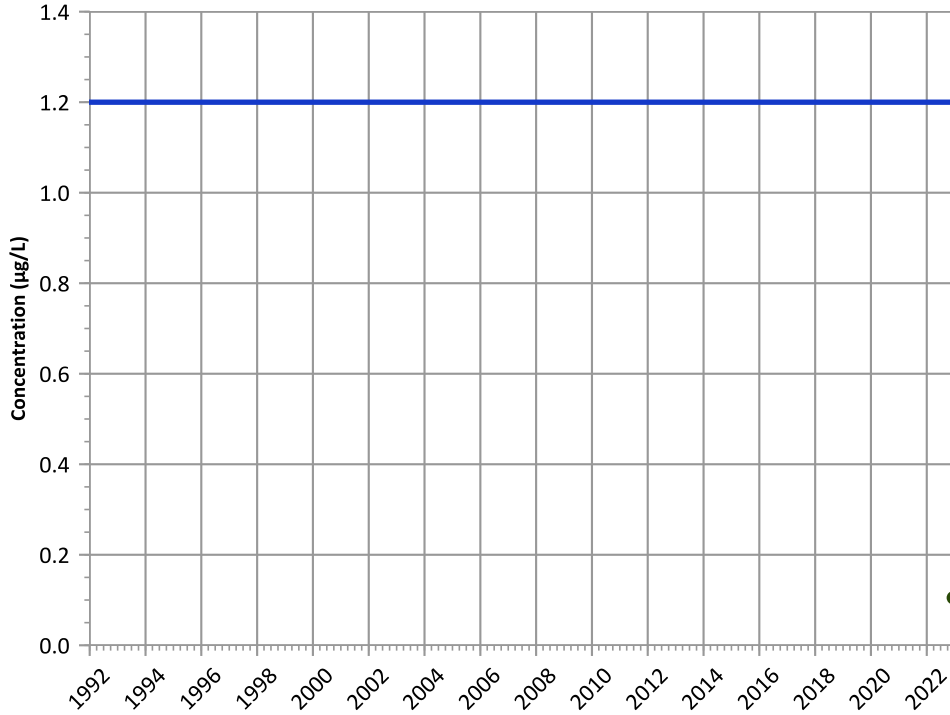


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/2022 to 12/14/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1216 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

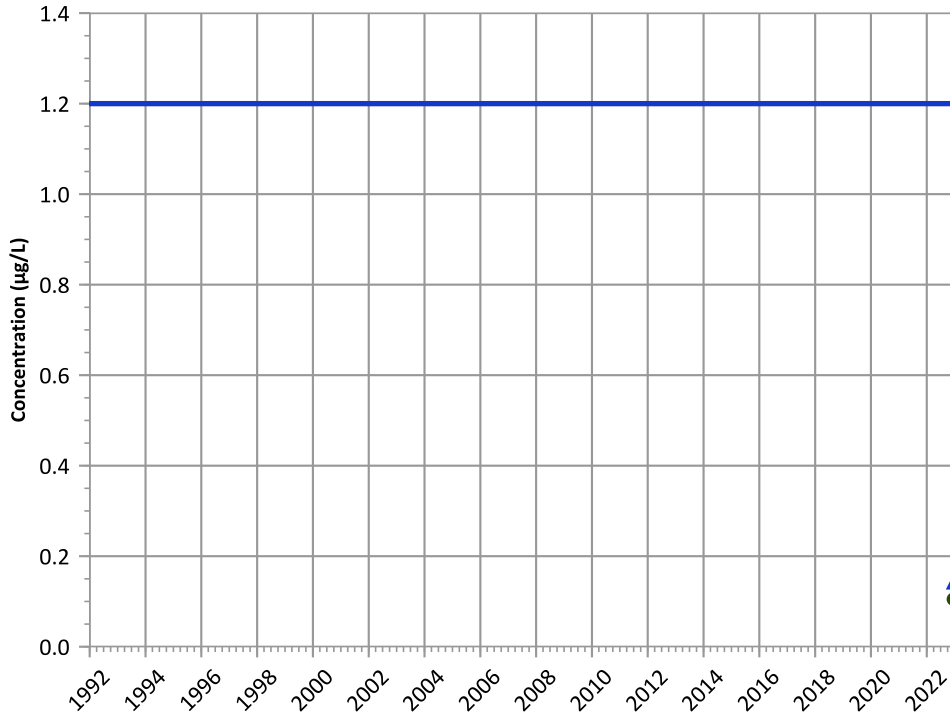
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

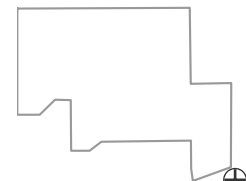
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location



Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 12/14/2022 to 12/14/2022

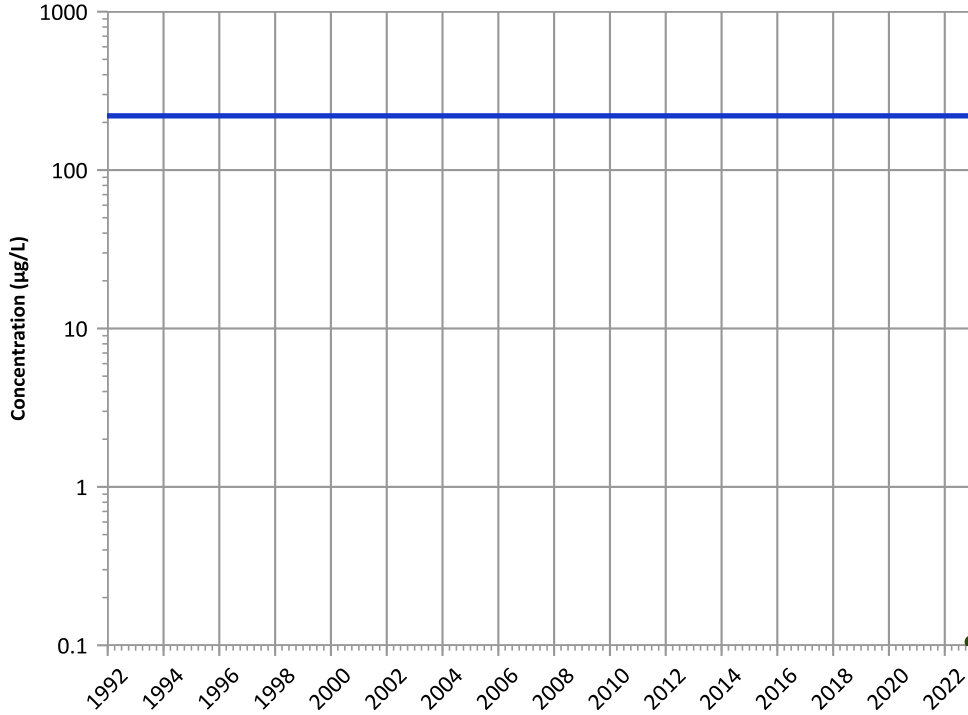
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1216 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

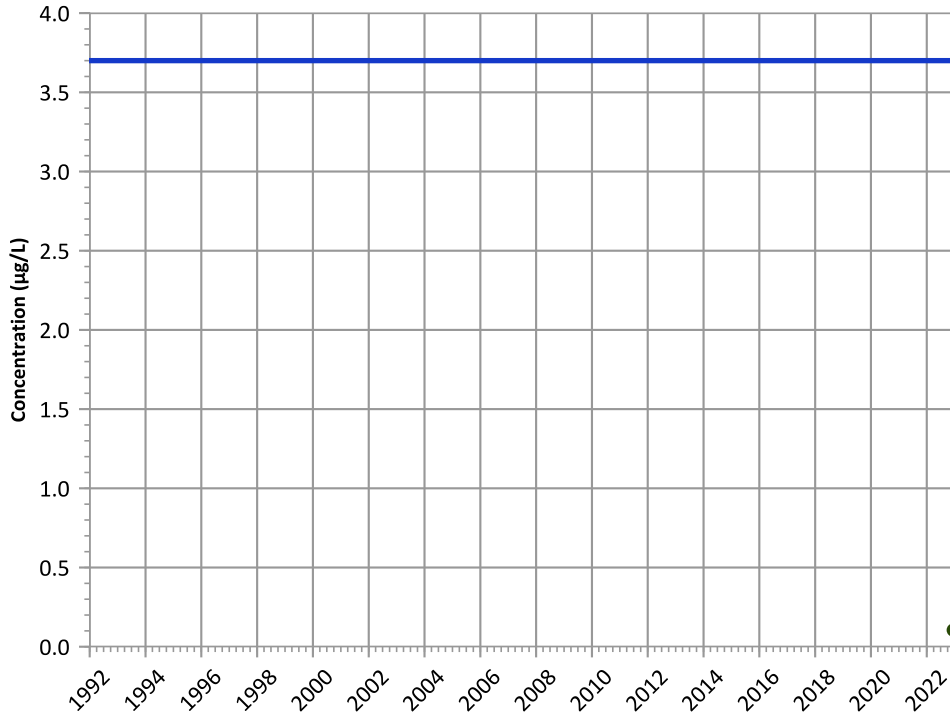
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

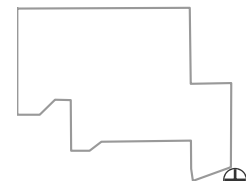
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

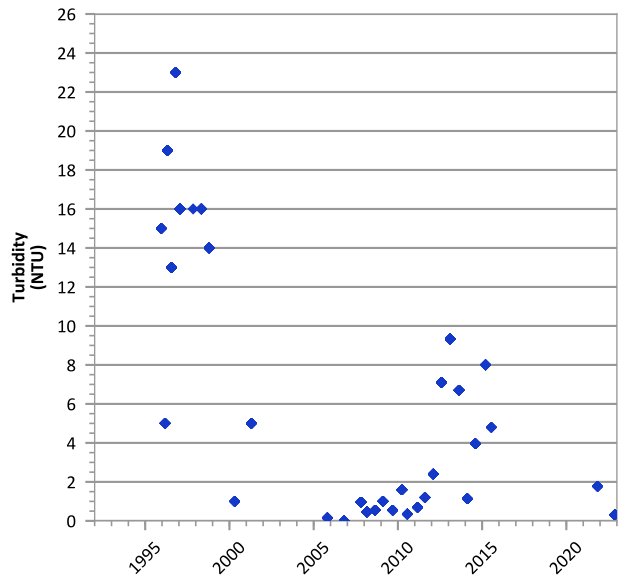
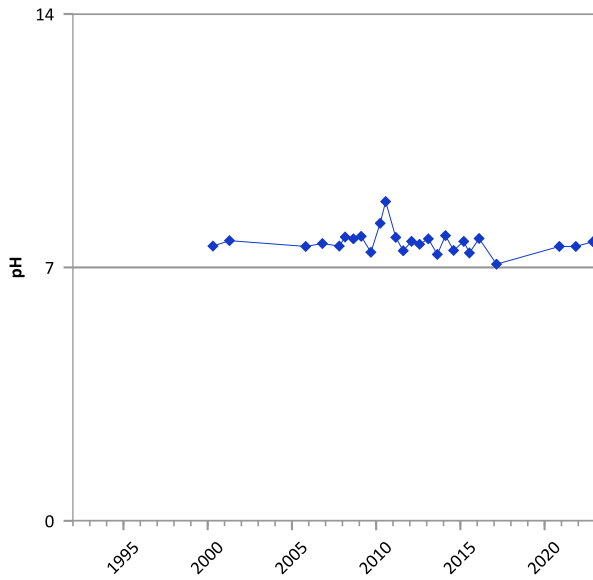
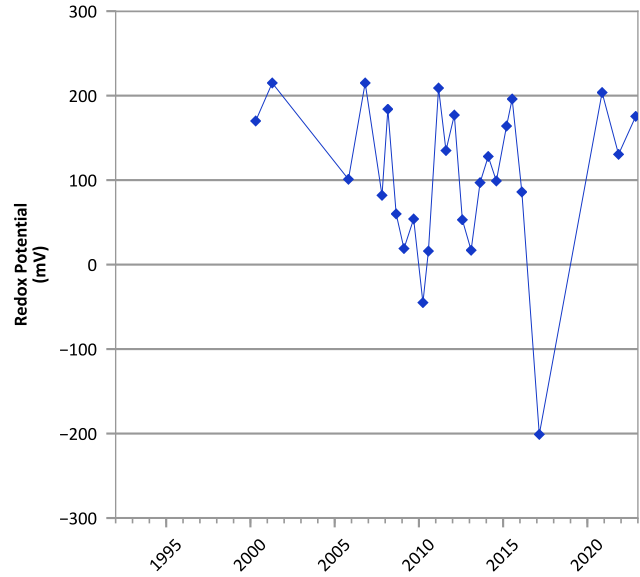
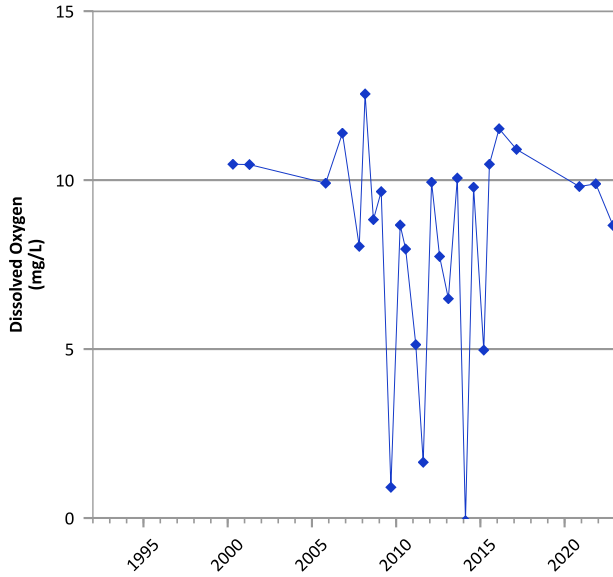
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/2022 to 12/14/2022  
Analysis Date: 04/27/2023

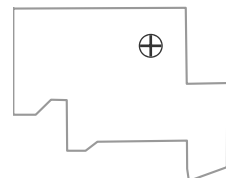
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



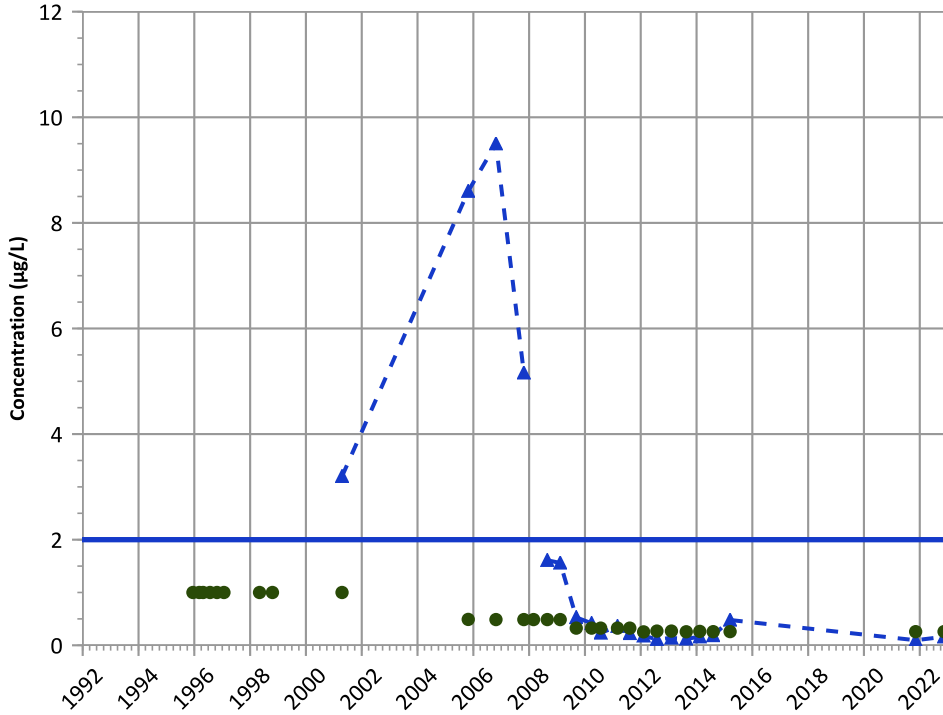
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/14/1995 to 11/15/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

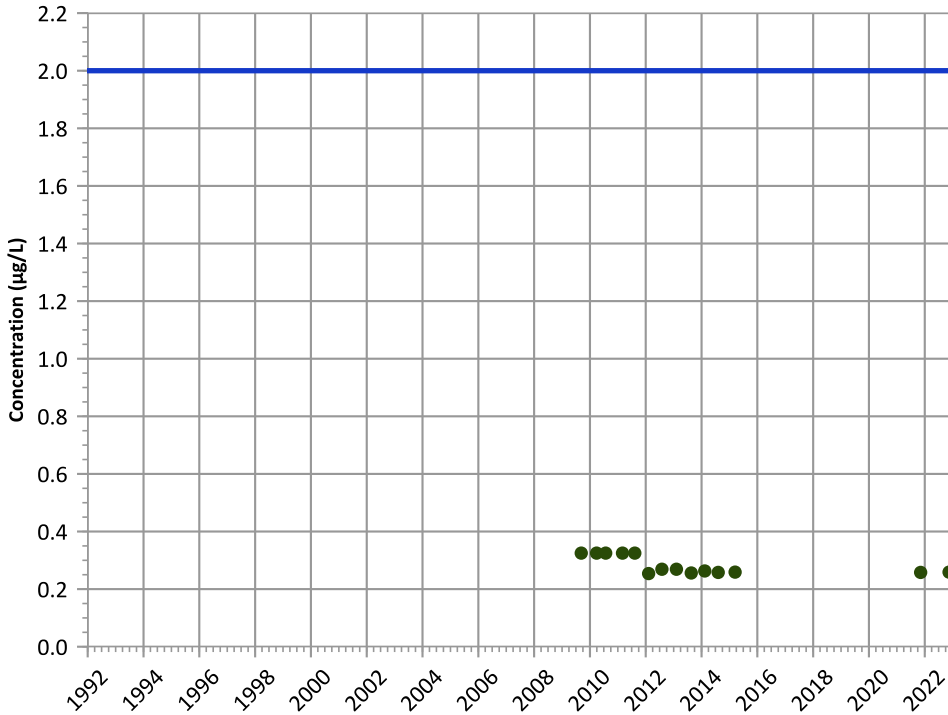


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

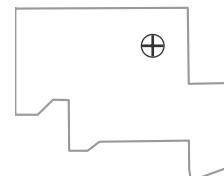
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

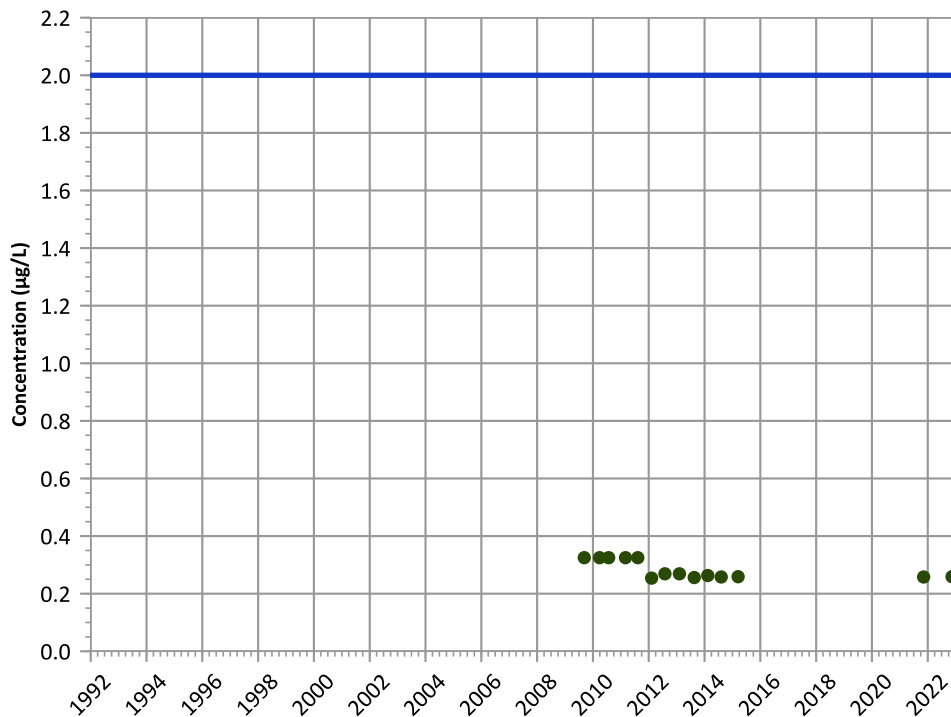
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

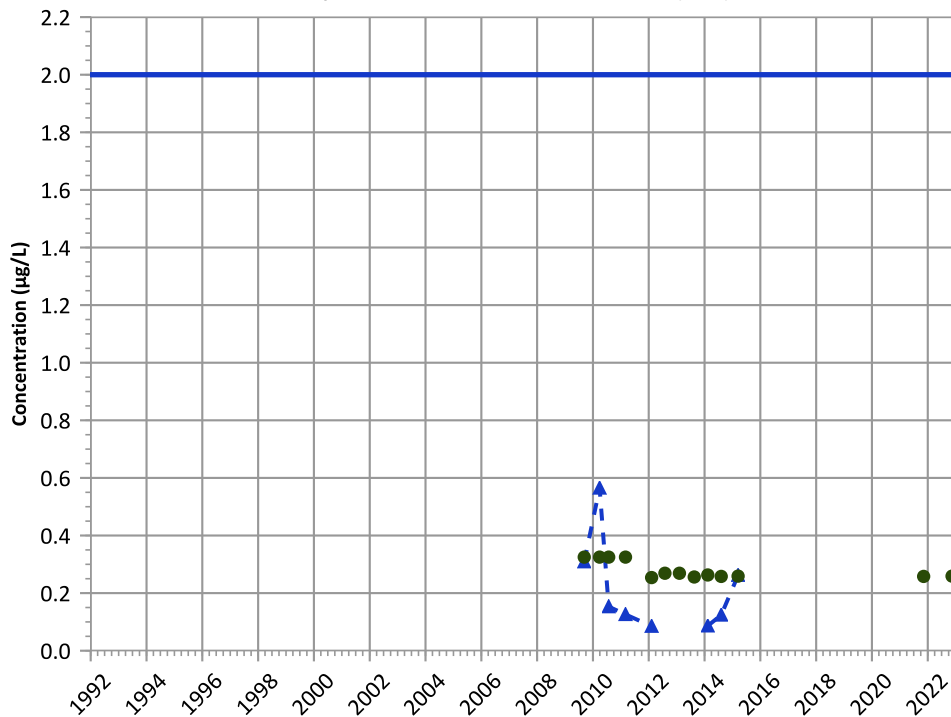


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

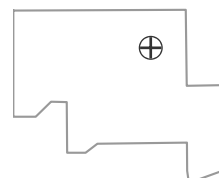


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Well Location

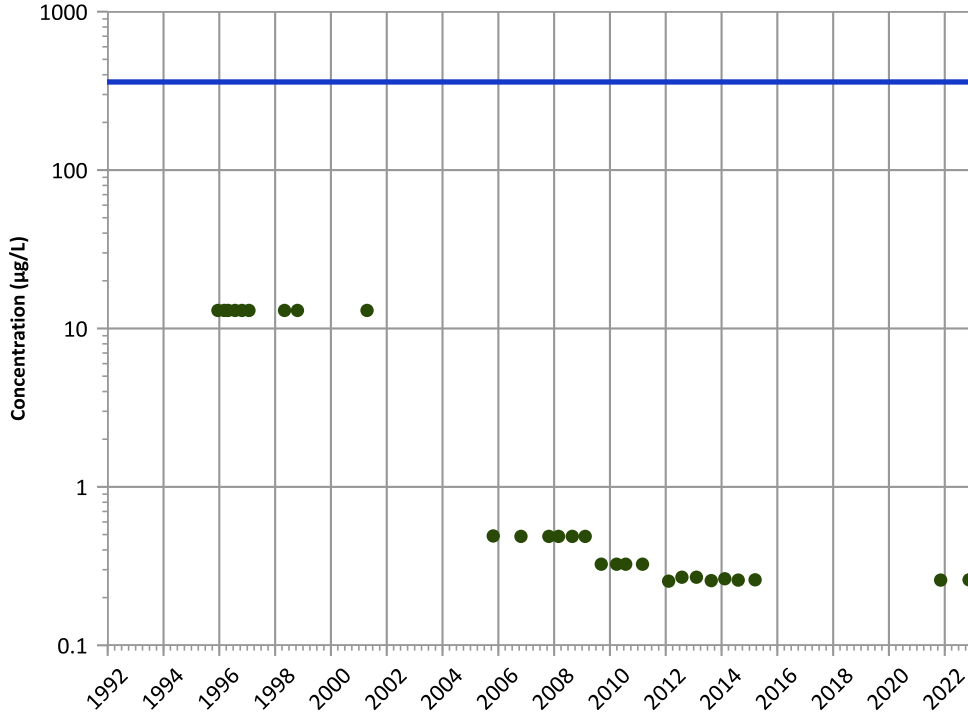


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

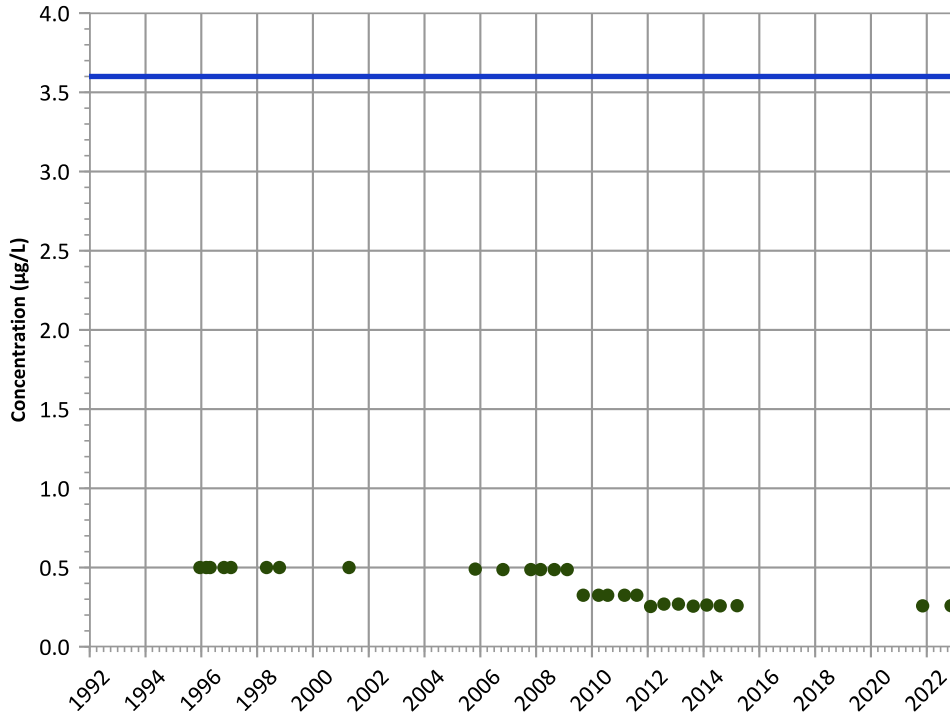
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

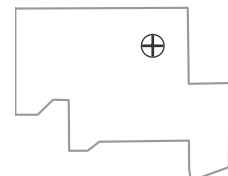
2020 - 2022 Data:

All Non-Detect

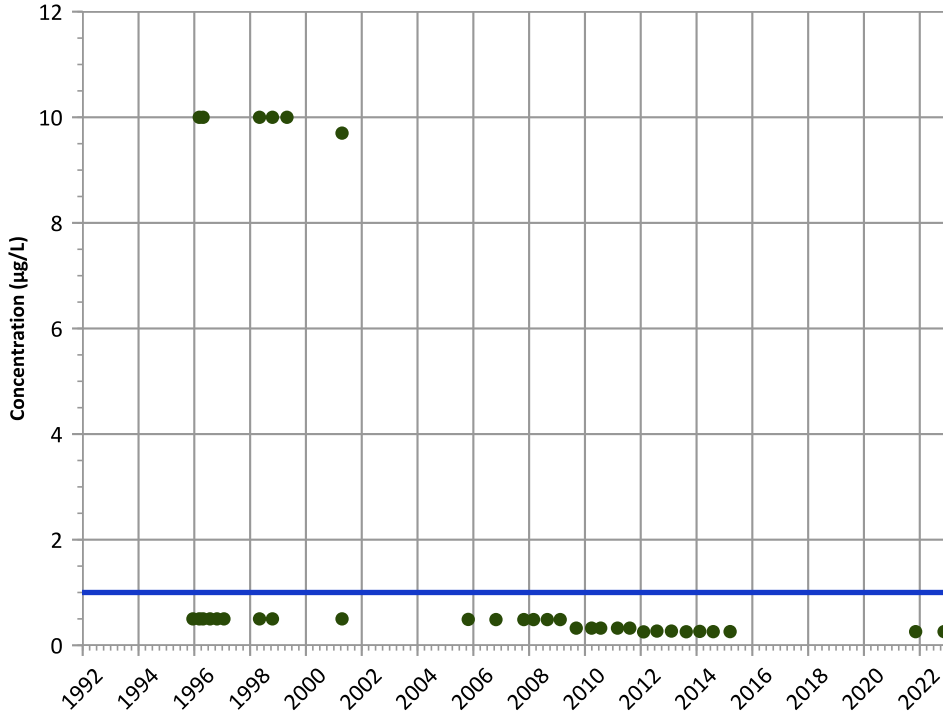
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1002 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 2,4-Dinitrotoluene Trend

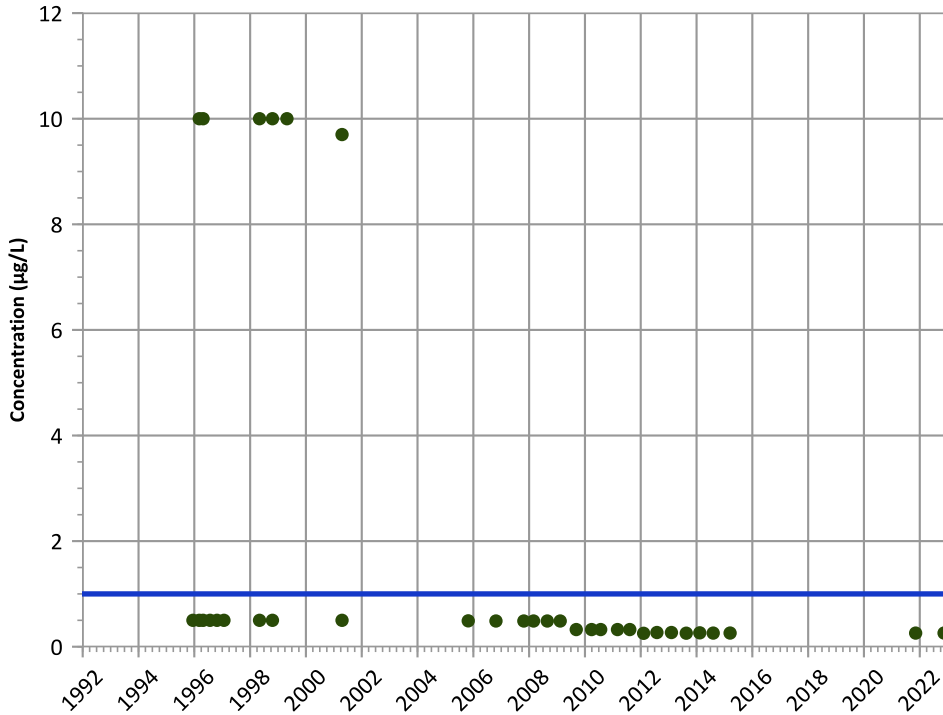


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

2,6-Dinitrotoluene Trend

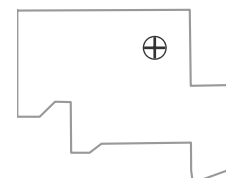


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**Well Location**

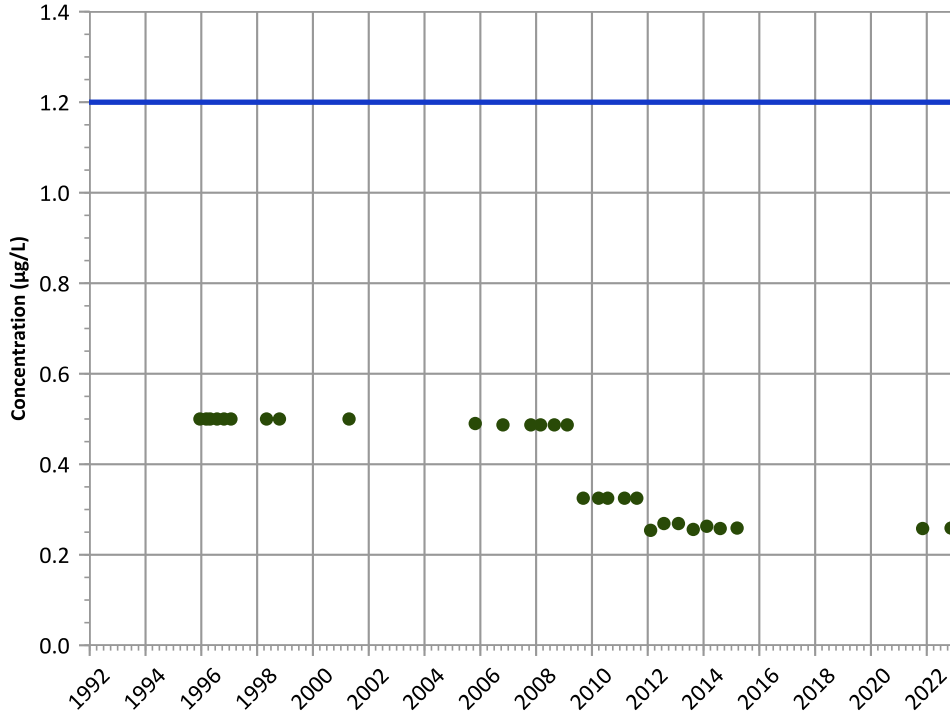


Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/14/1995 to 11/15/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

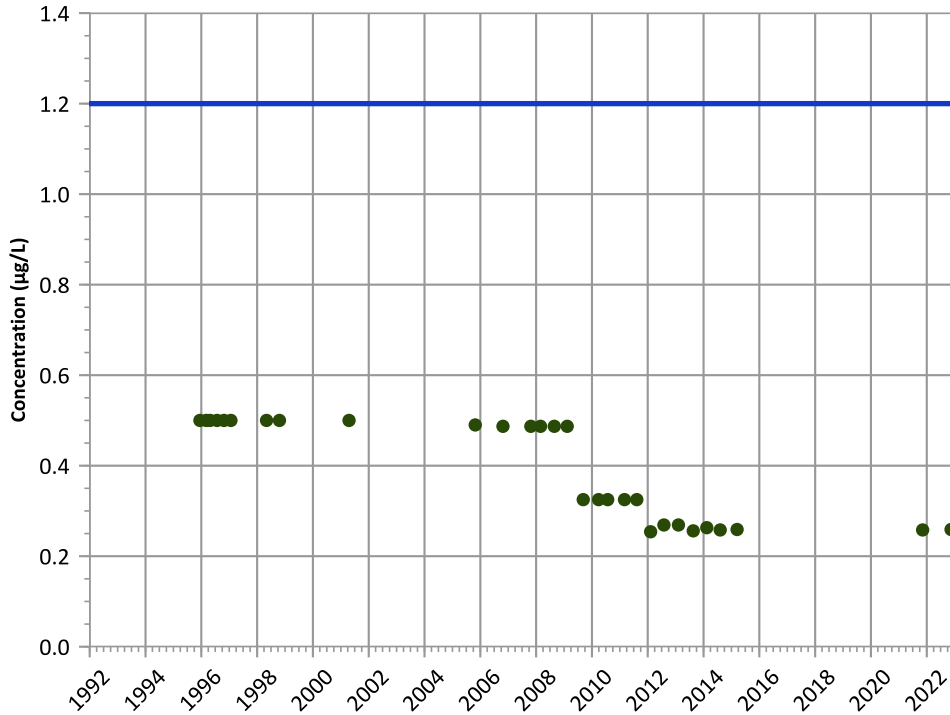
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

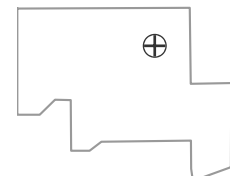
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

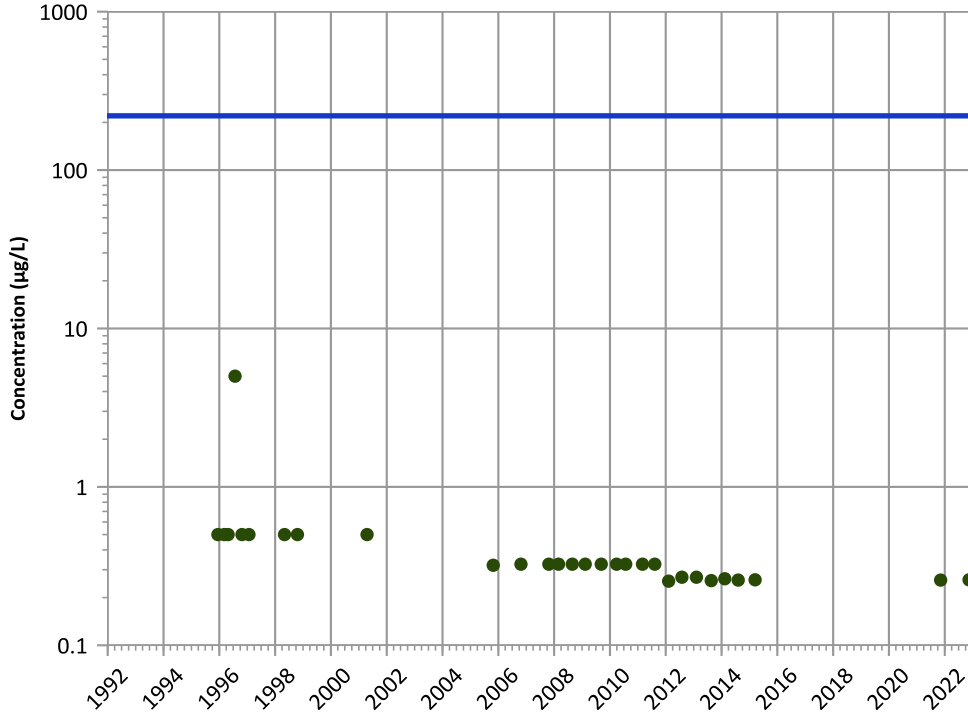


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

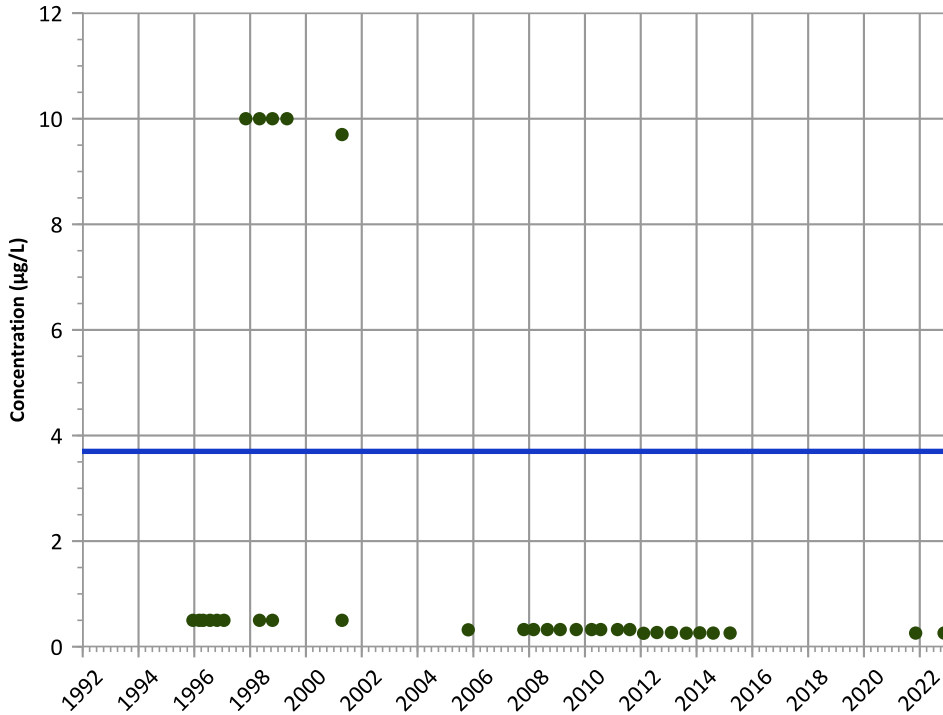
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

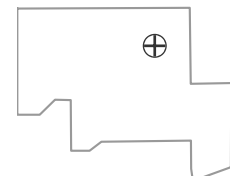
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

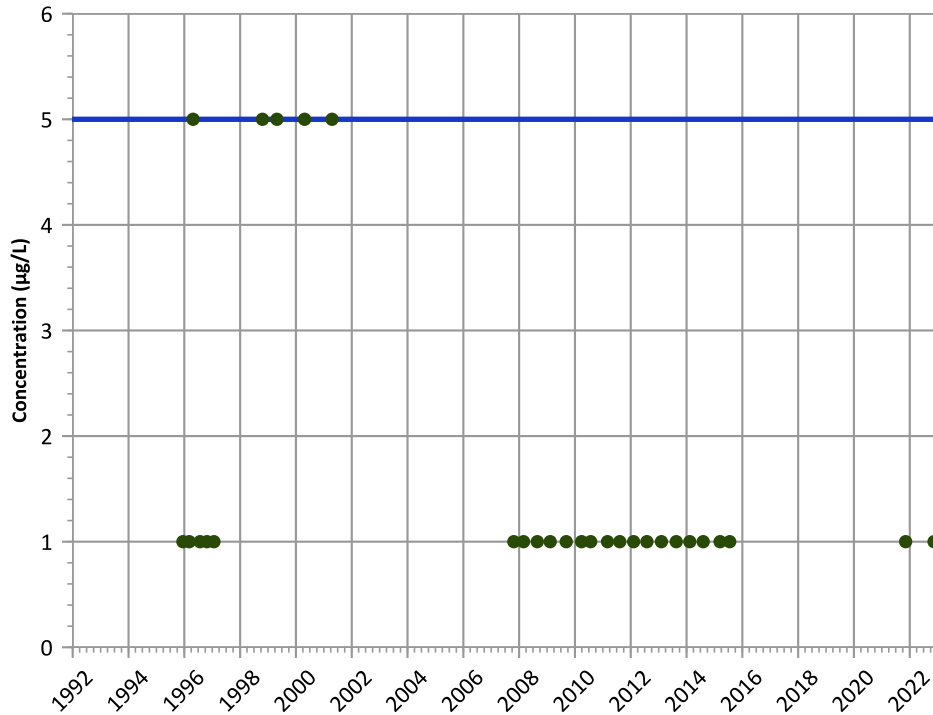


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

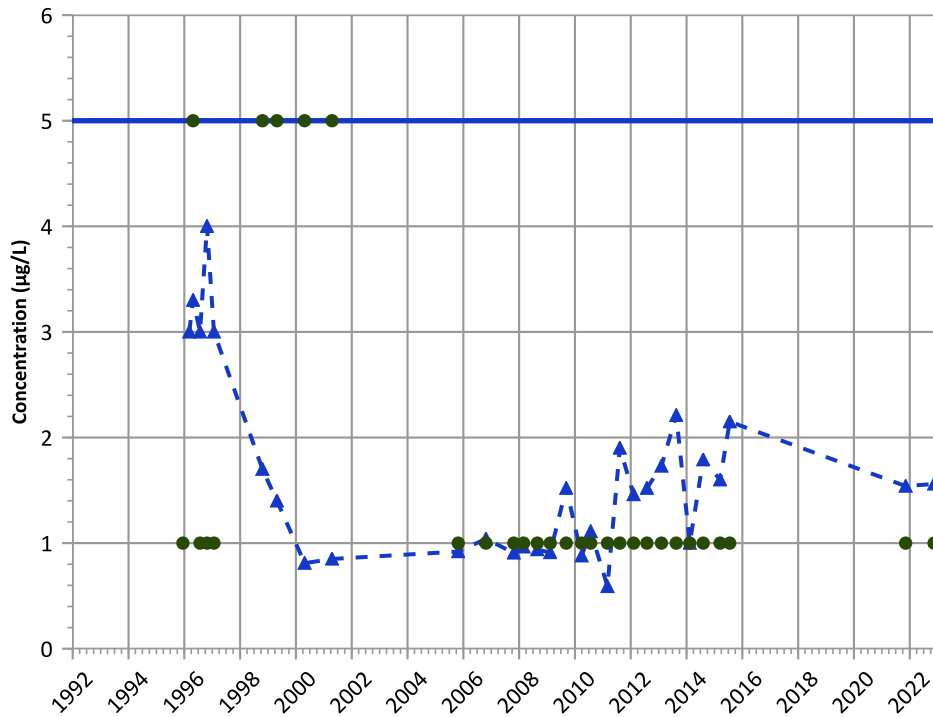
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

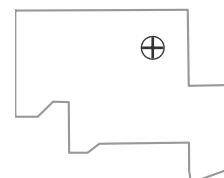
2020 - 2022 Data:

Stable

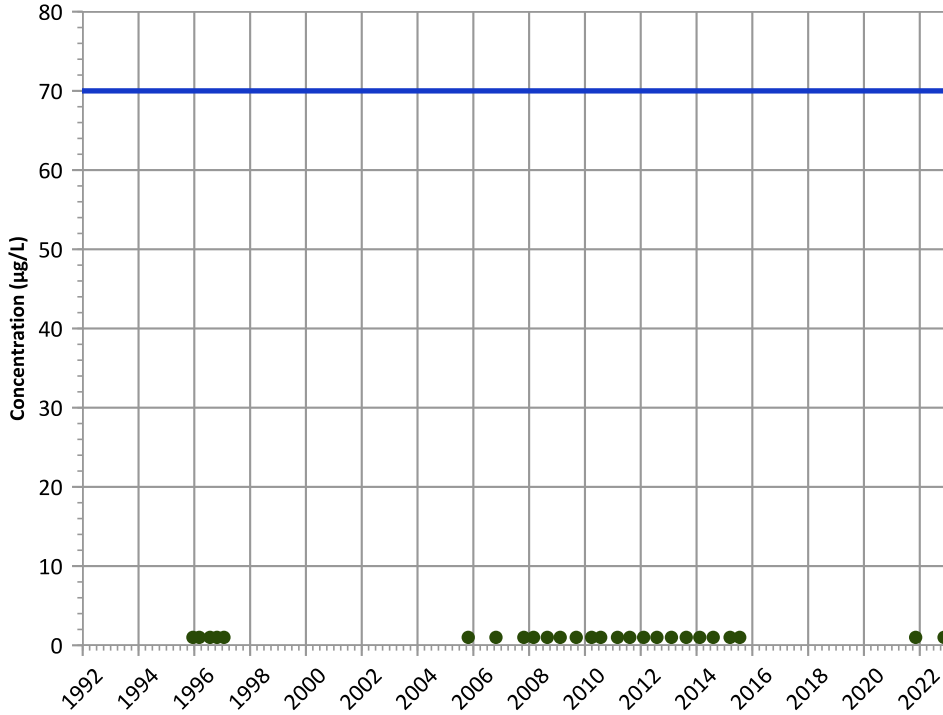
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant**  
**cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

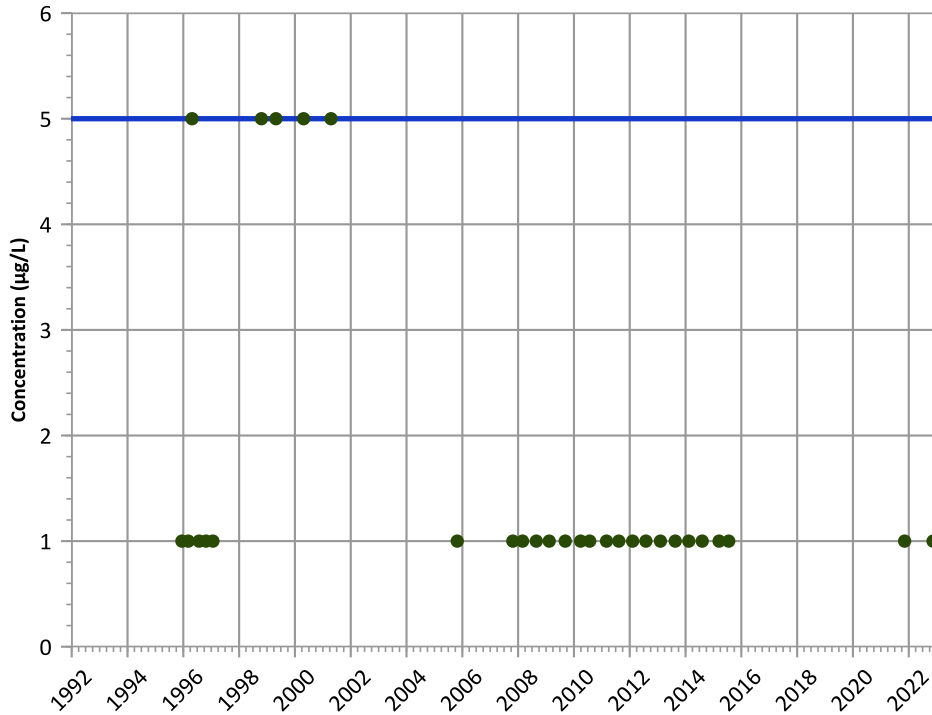
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

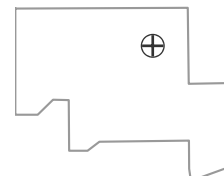
2020 - 2022 Data:

All Non-Detect

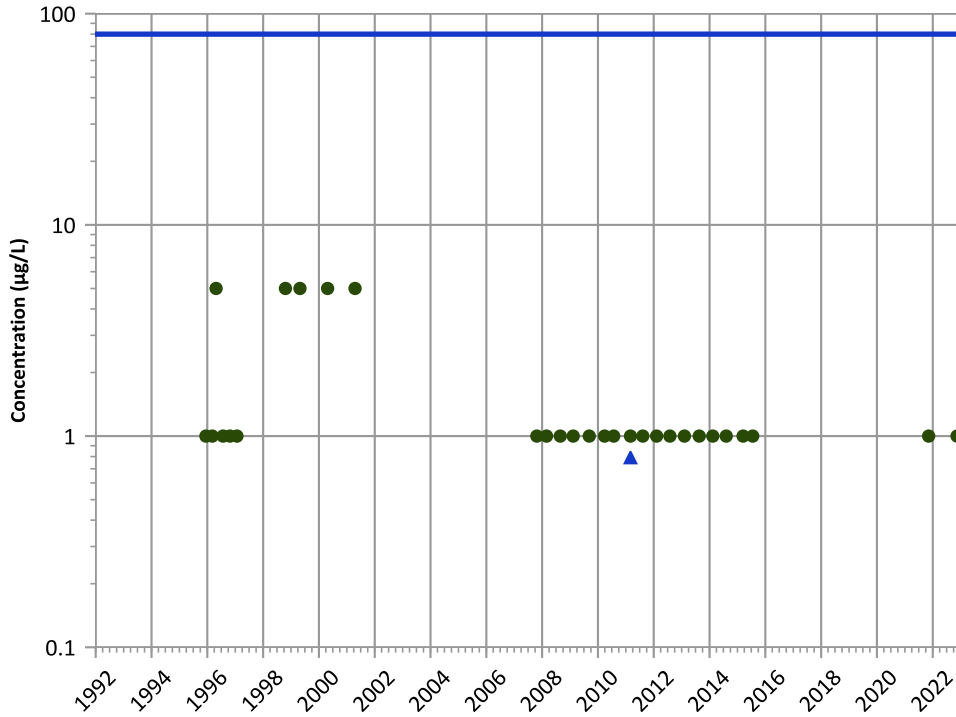
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

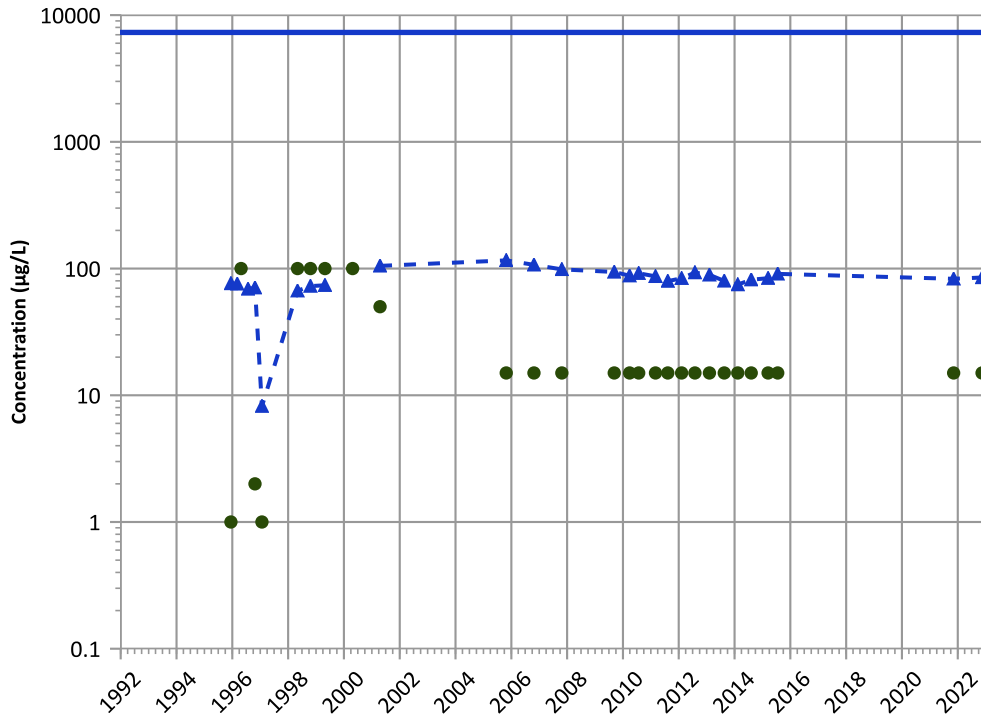


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**

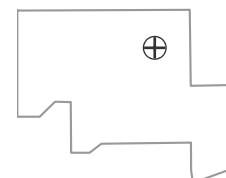


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

**Well Location**

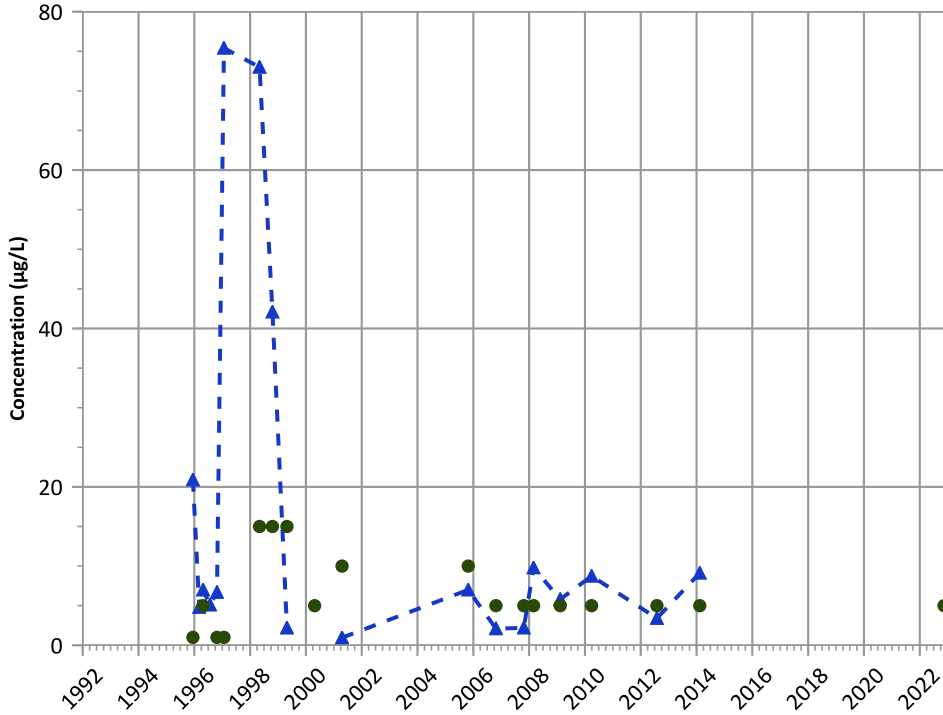


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

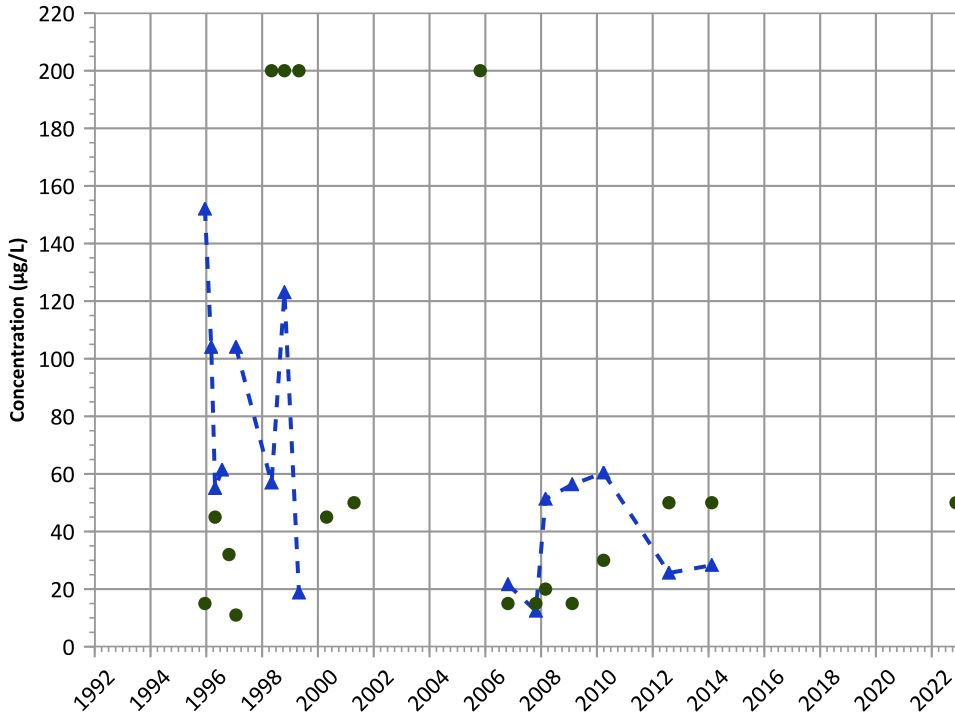


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Aluminum Trend

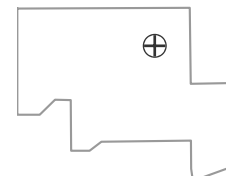


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Well Location

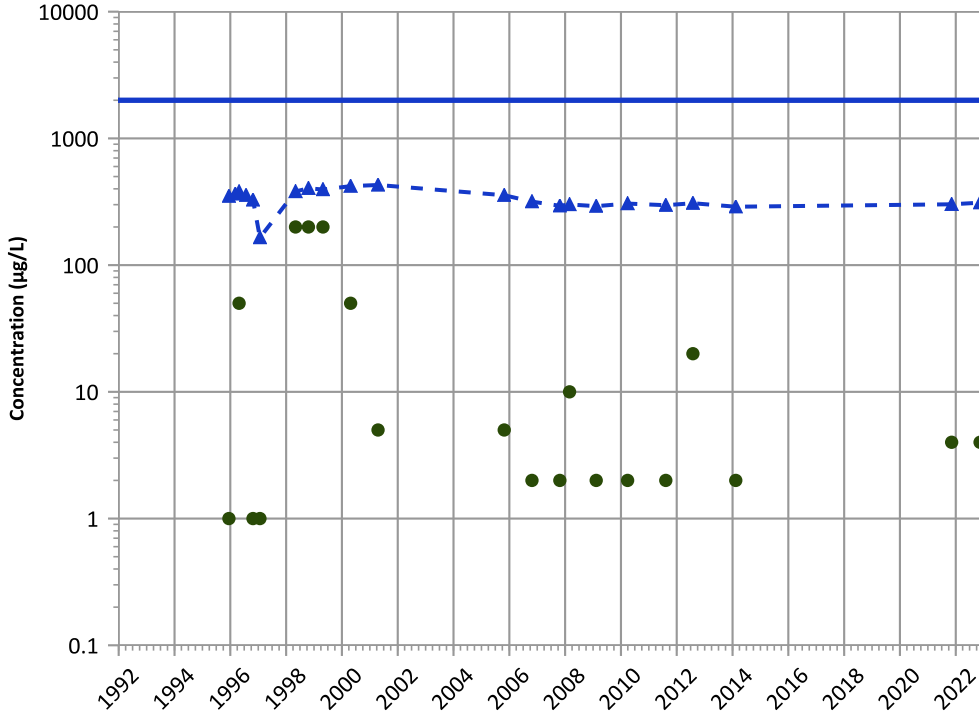


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

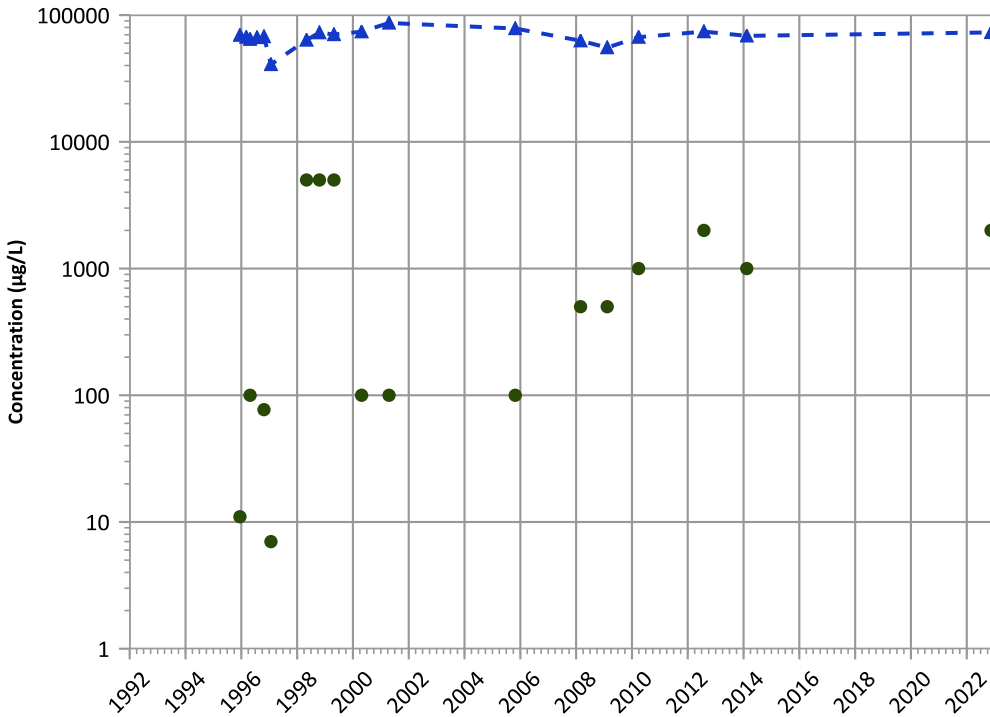


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Calcium Trend

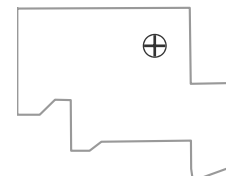


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

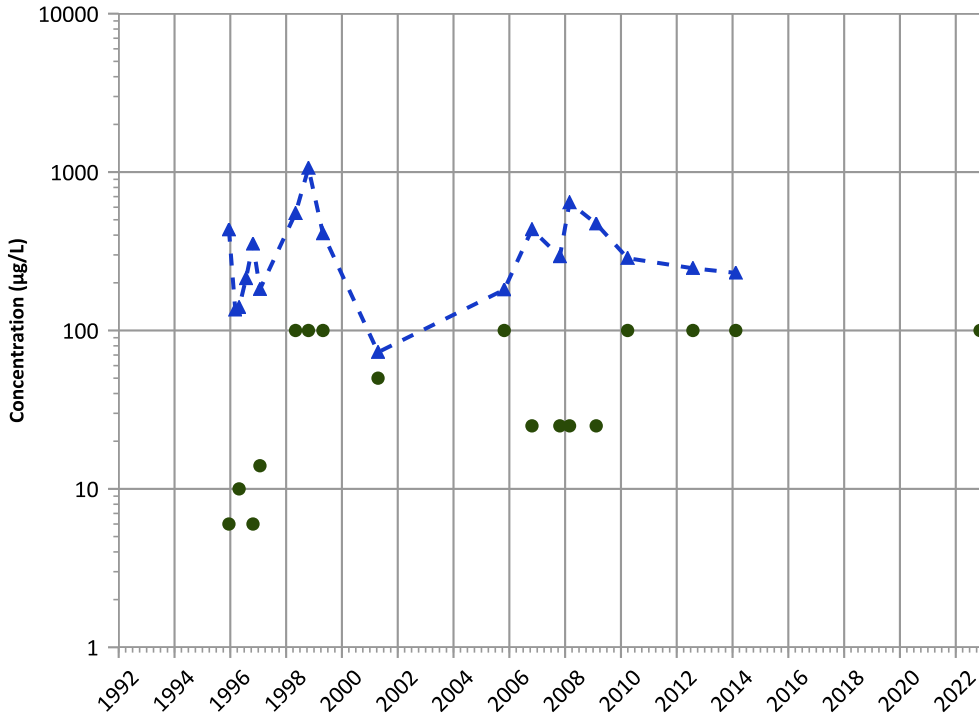


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

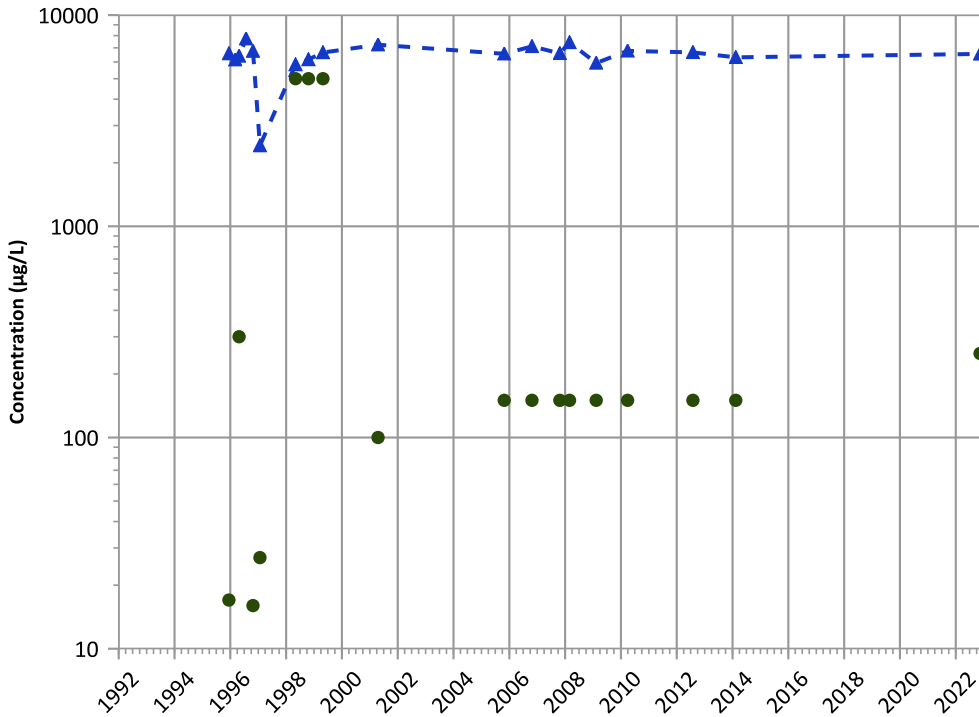


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

Potassium Trend



Concentration Trend

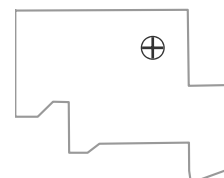
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

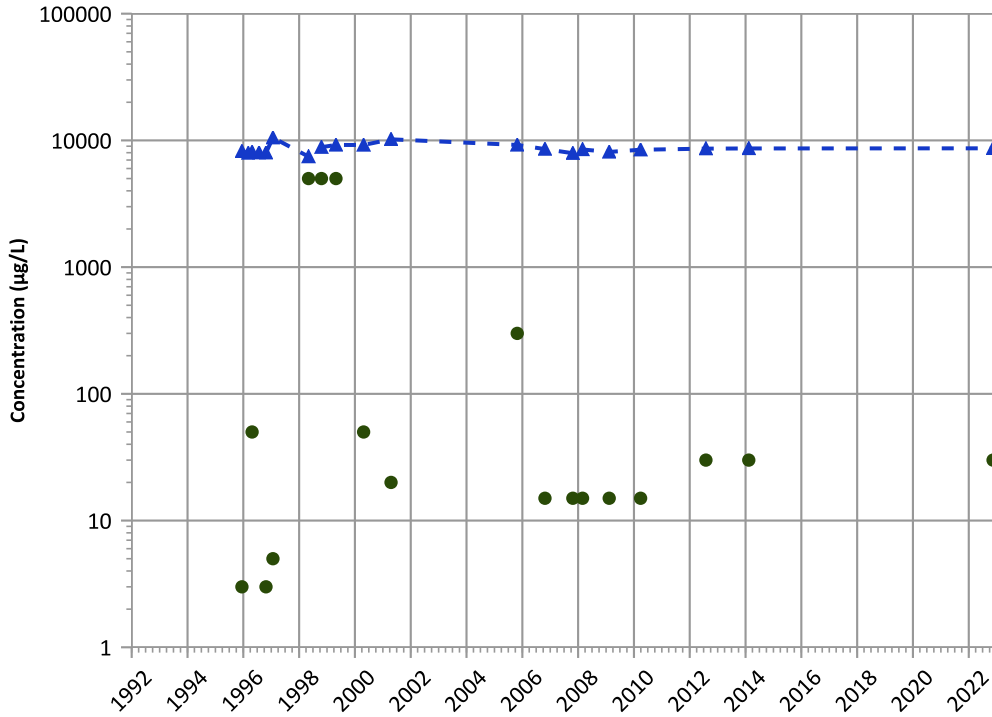
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

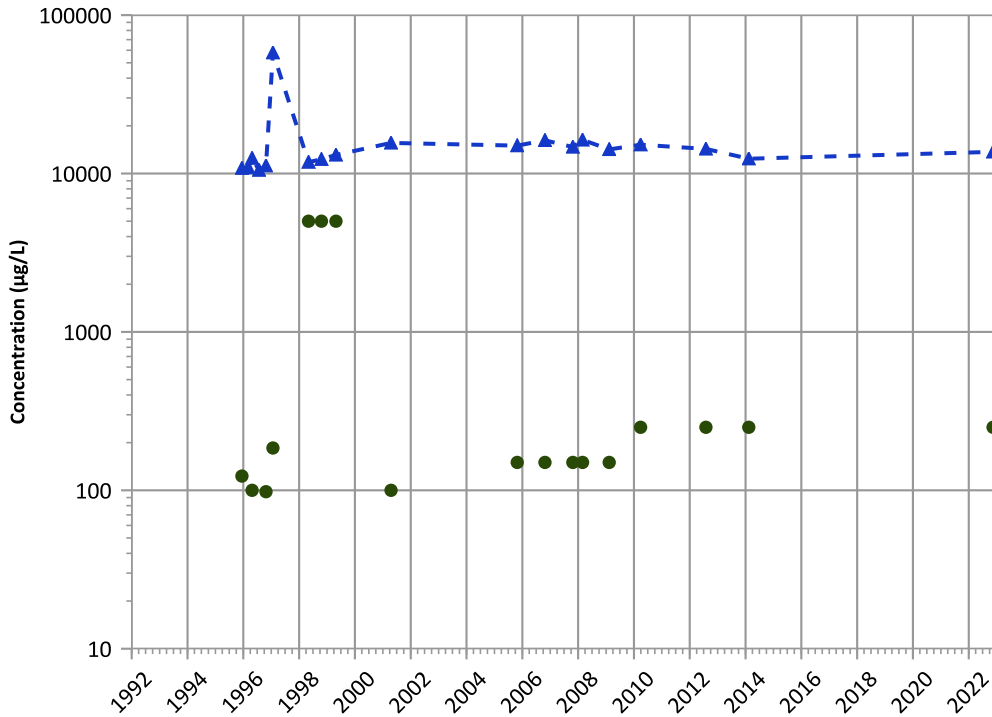
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

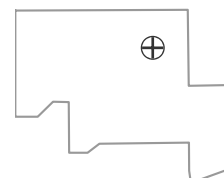
2020 - 2022 Data:

Stable

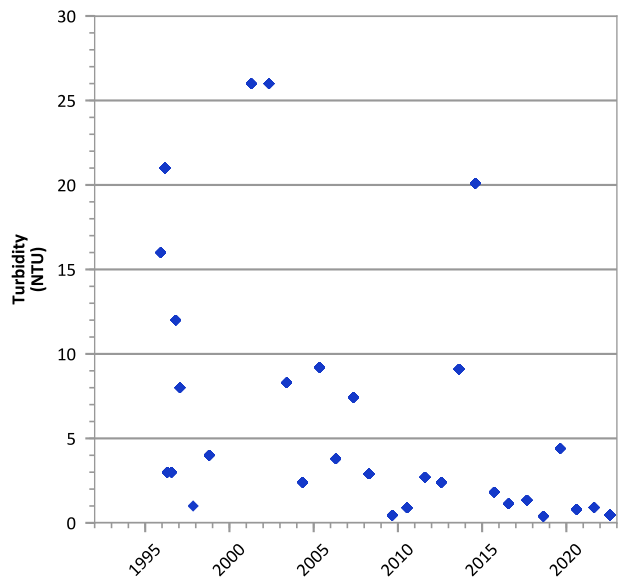
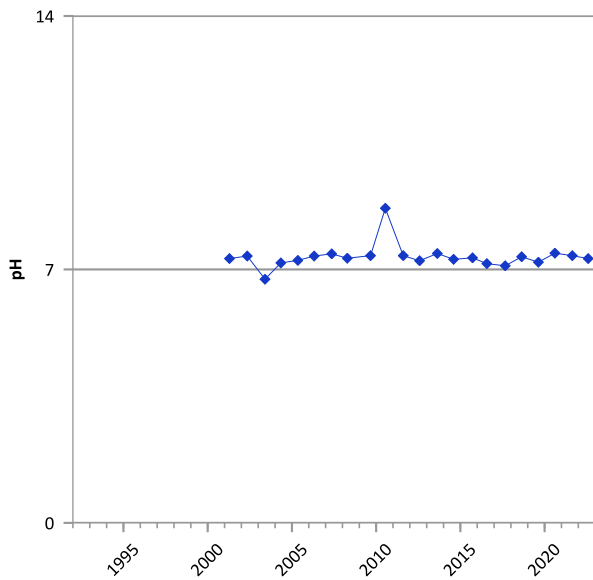
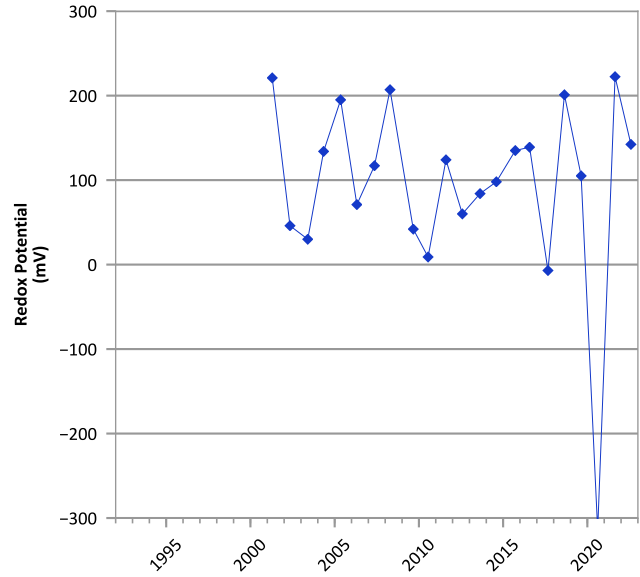
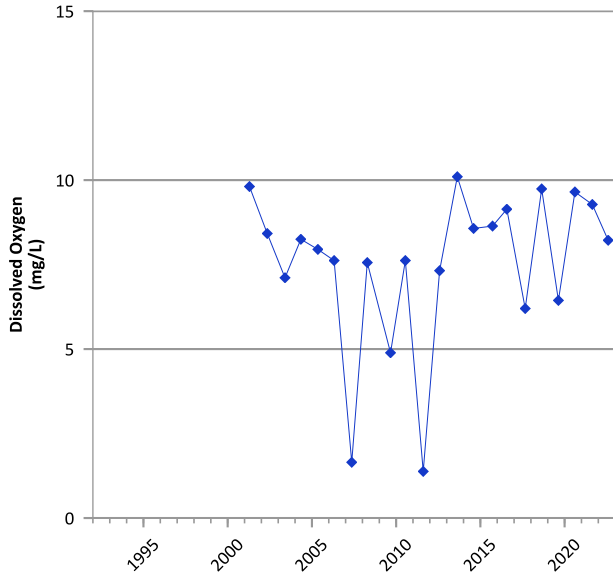
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

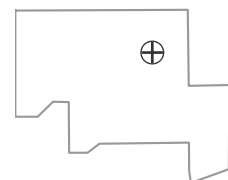


**PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/06/1995 to 08/03/2022  
 Analysis Date: 04/27/2023

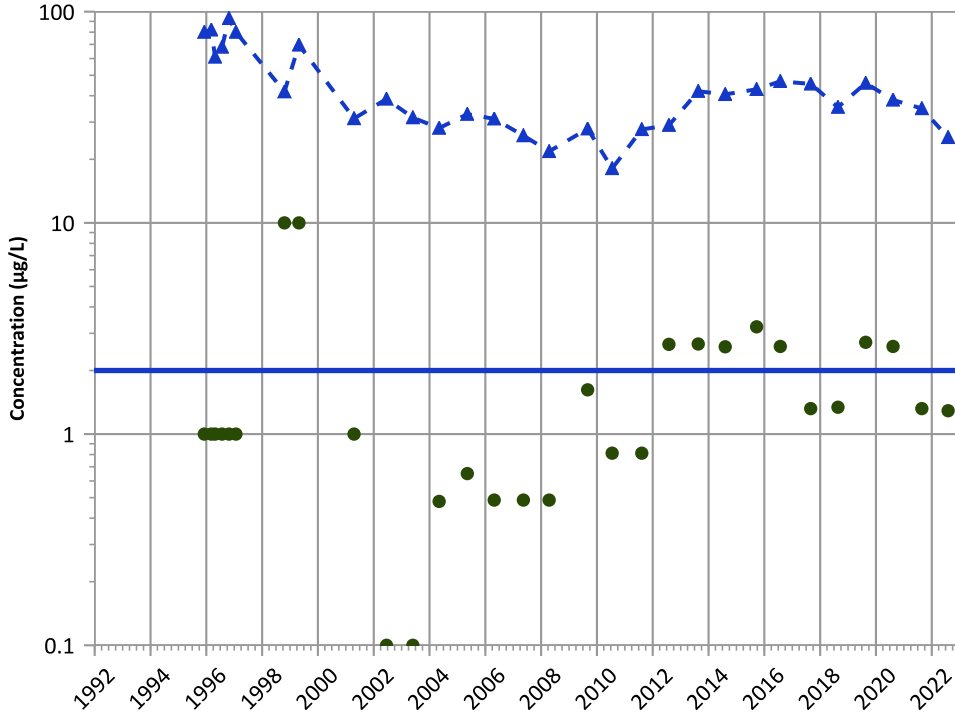
**Well Location**





PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

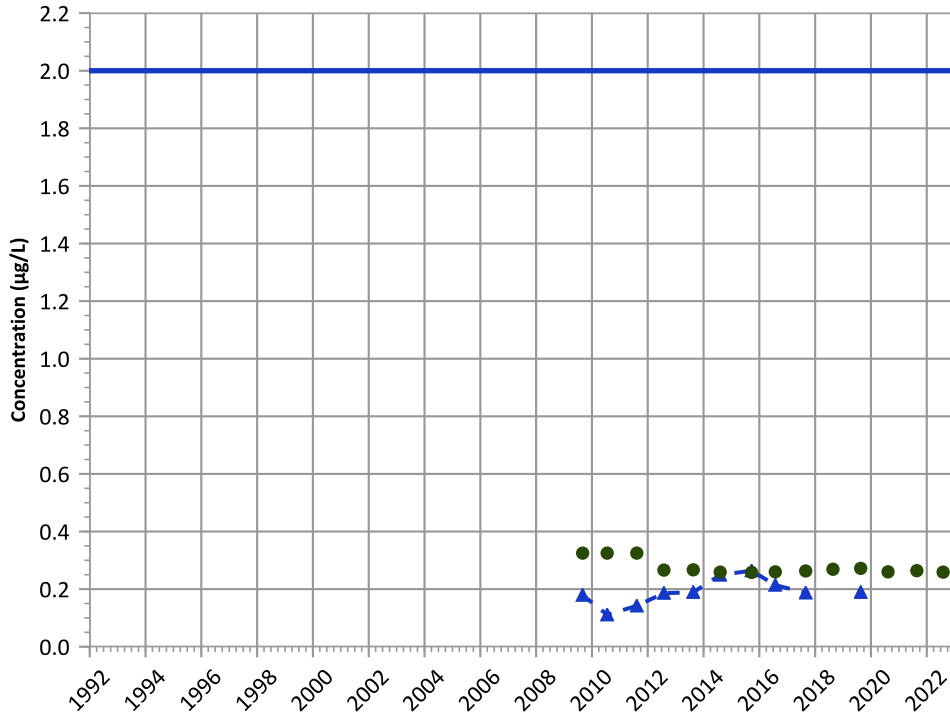


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

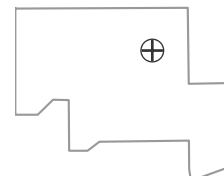
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

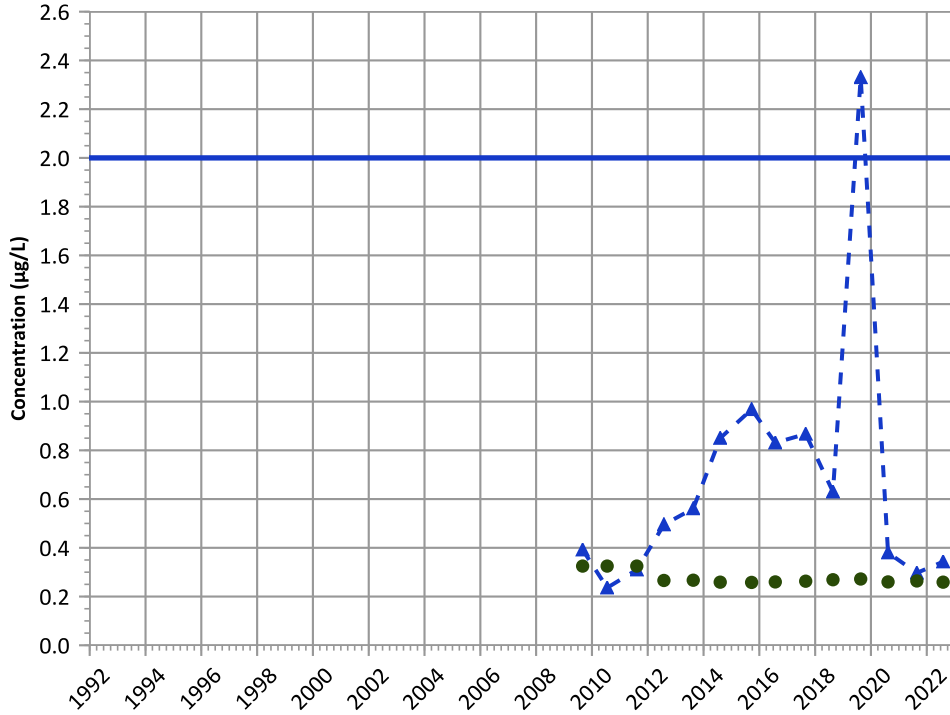
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

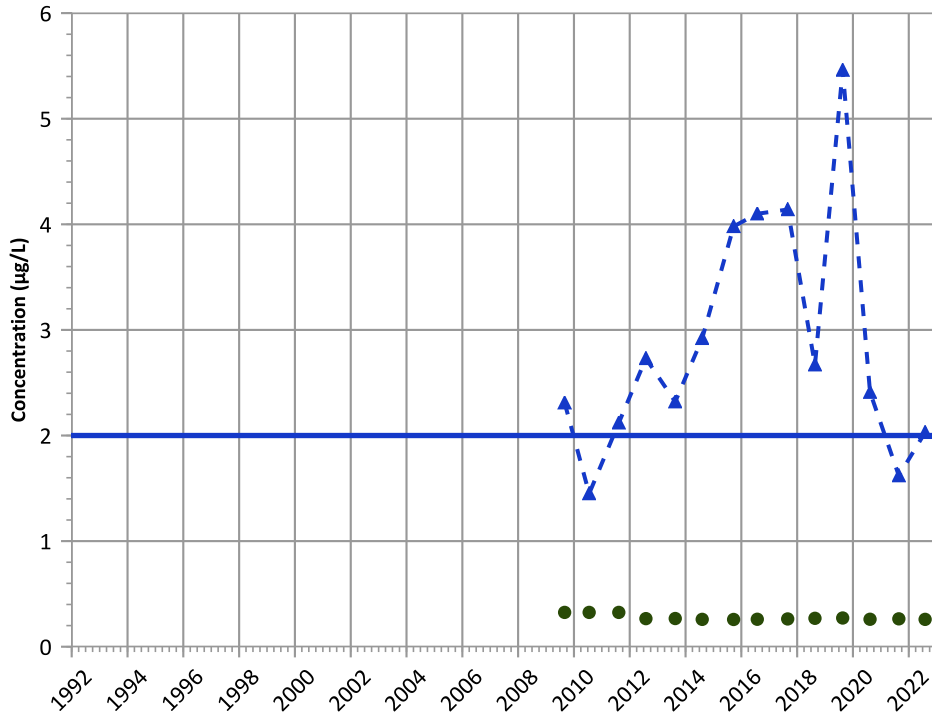
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

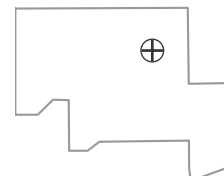
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

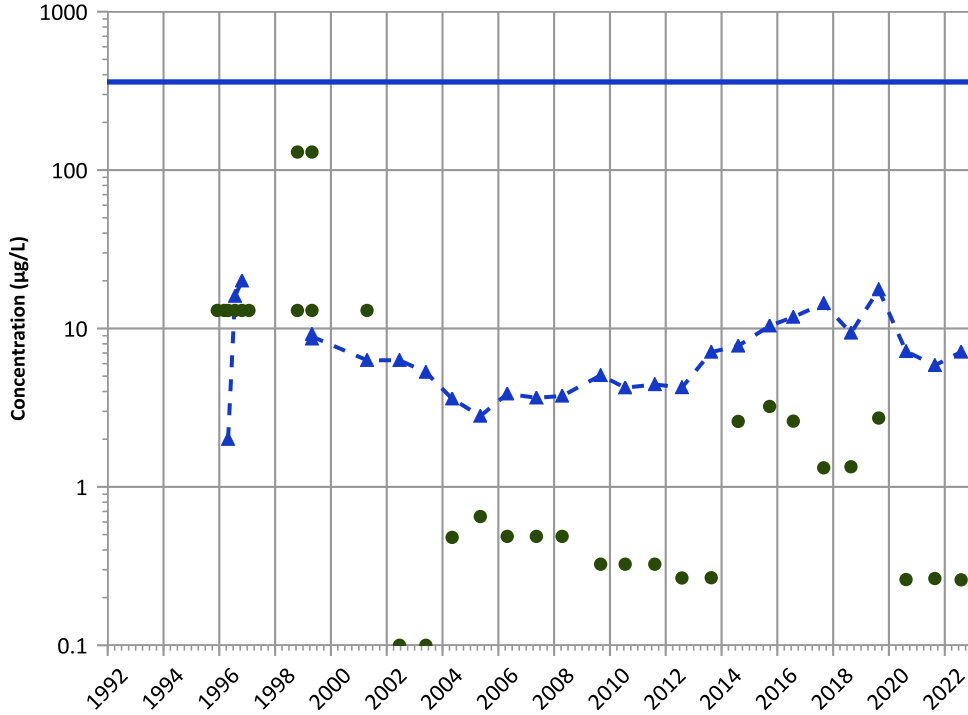
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

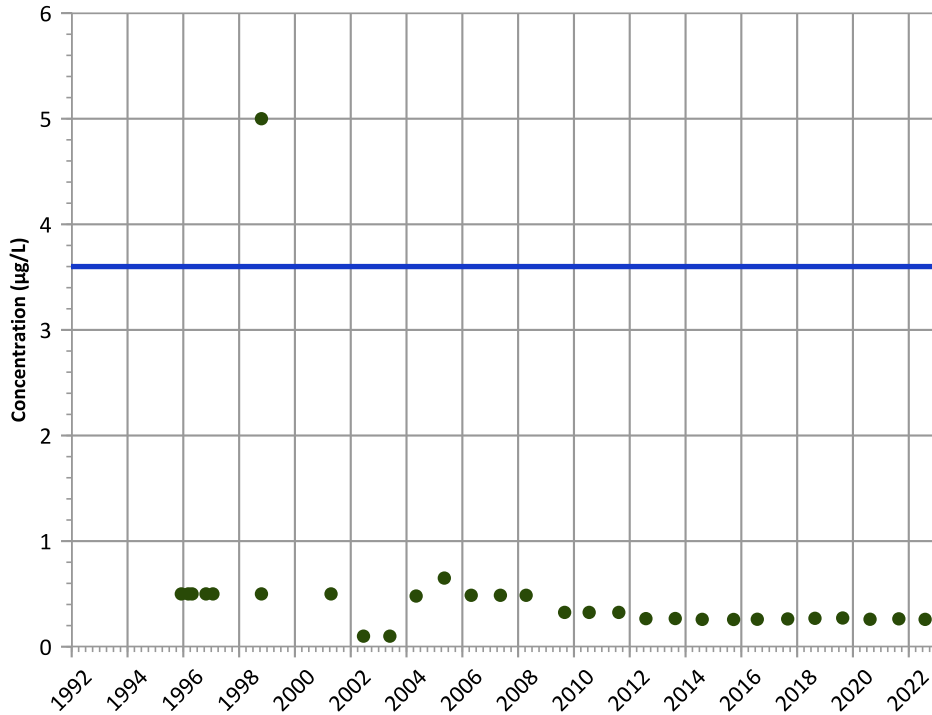
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

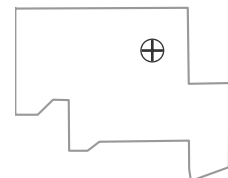
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

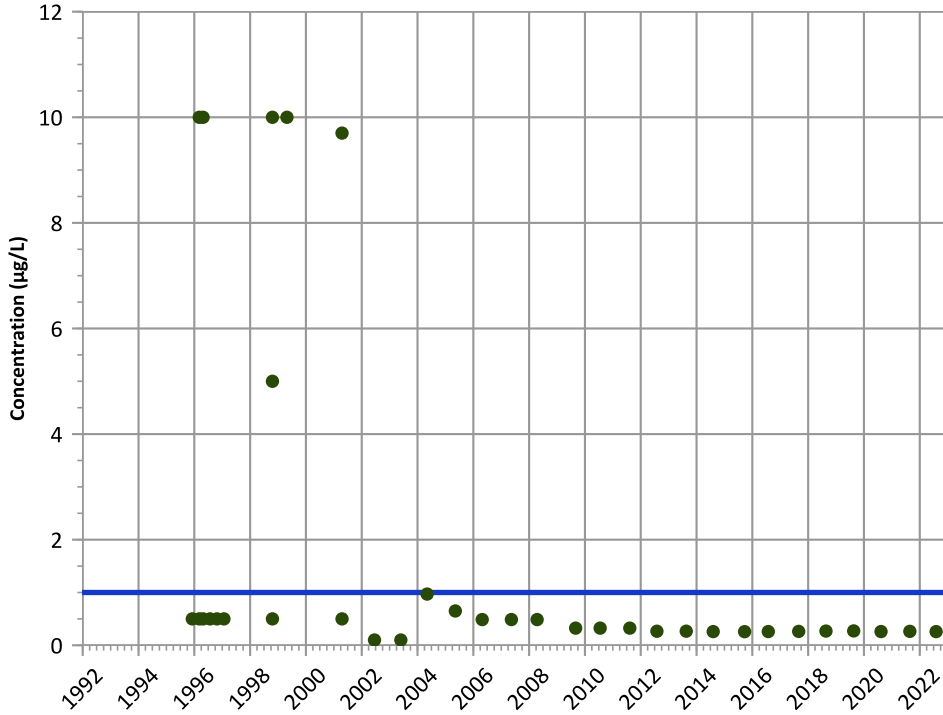
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

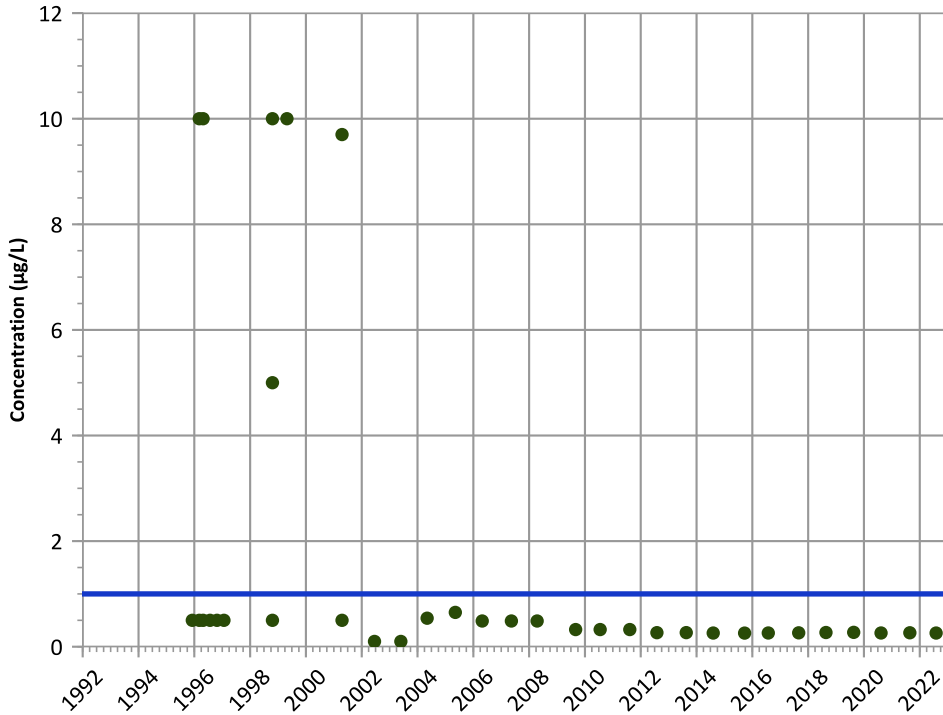
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

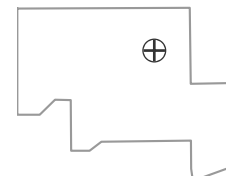
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

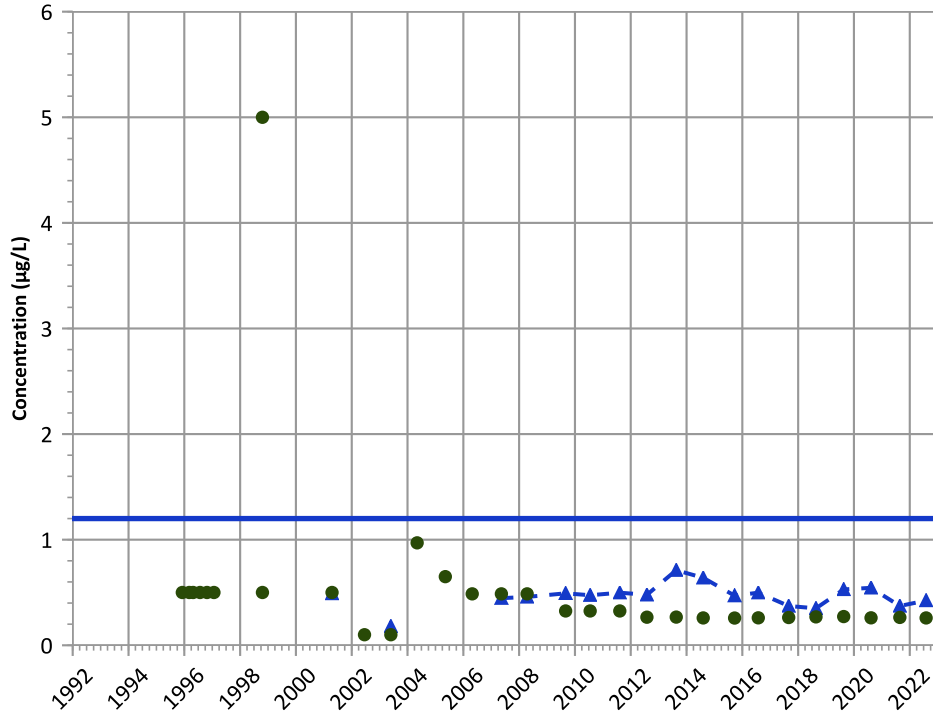
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

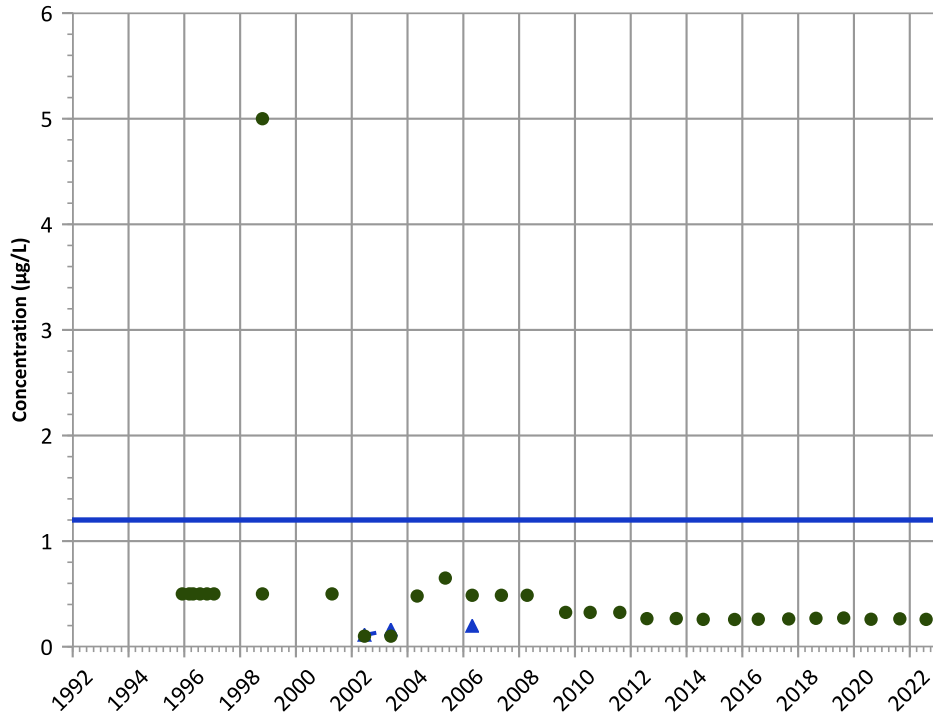


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

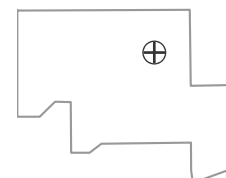
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

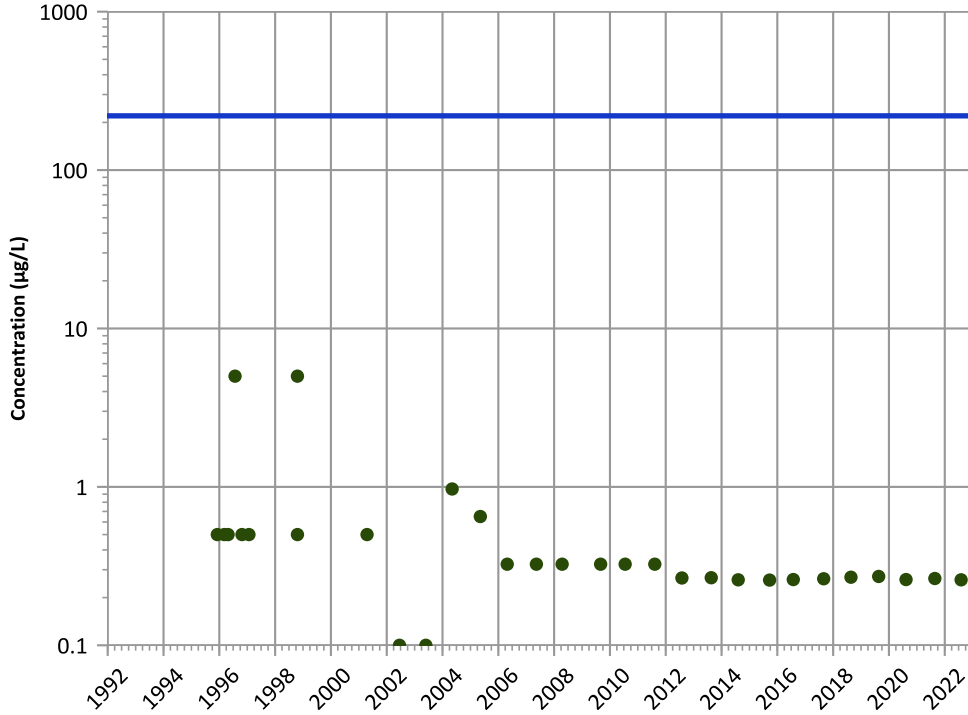
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

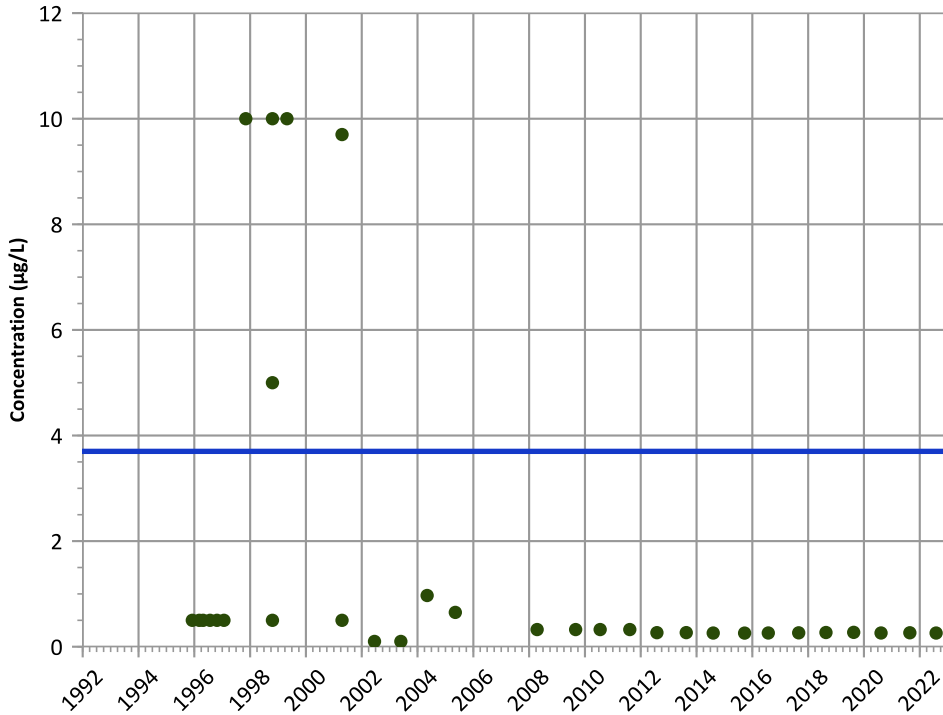
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

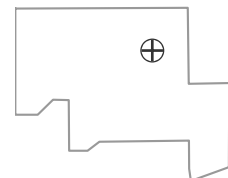
2020 - 2022 Data:

All Non-Detect

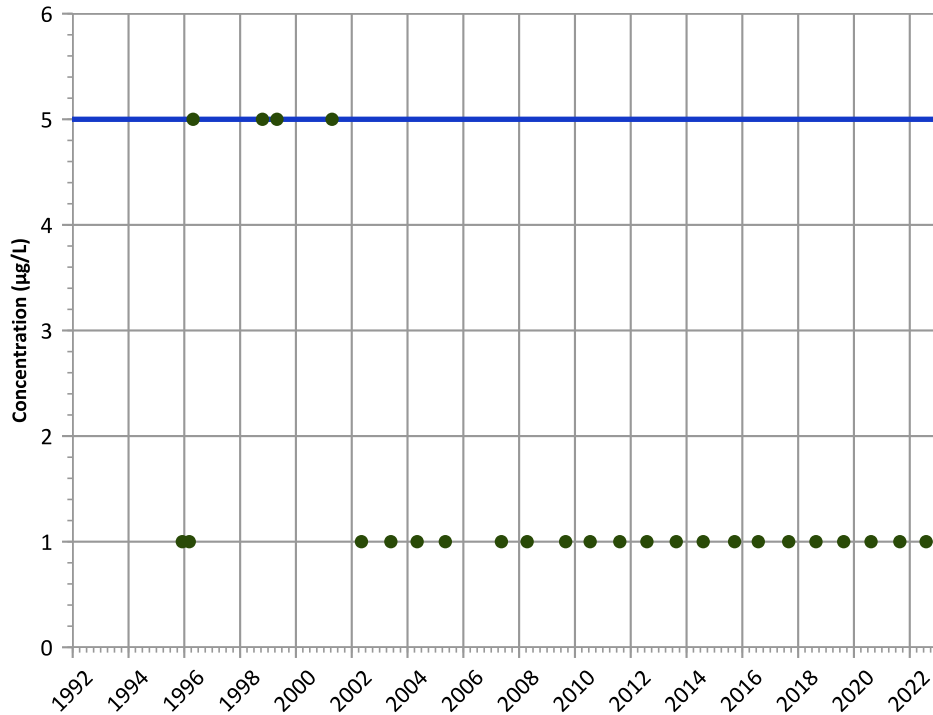
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

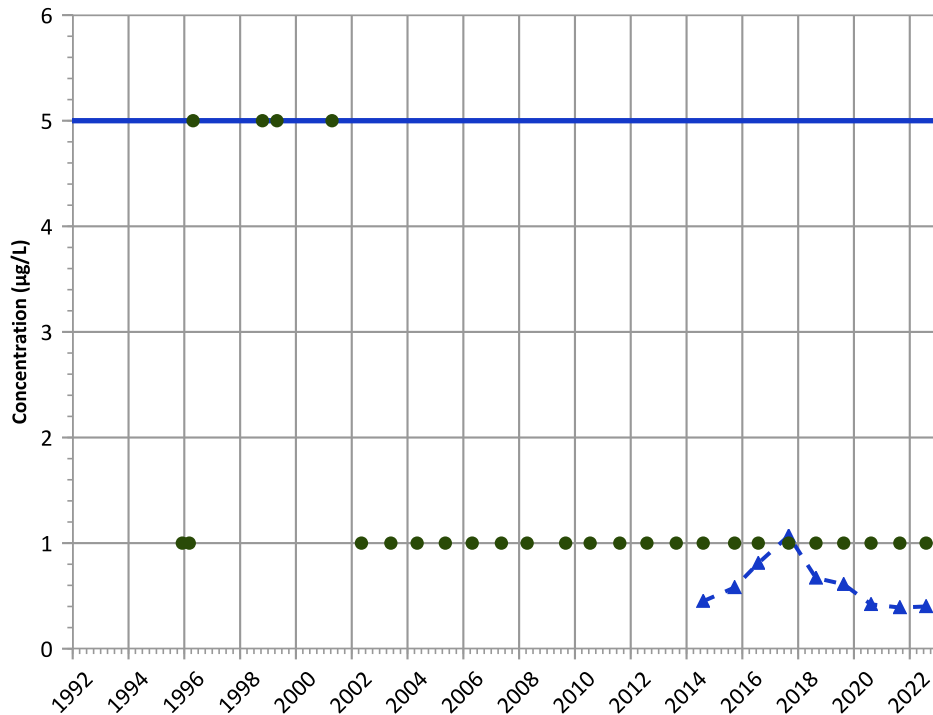


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

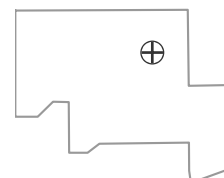
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

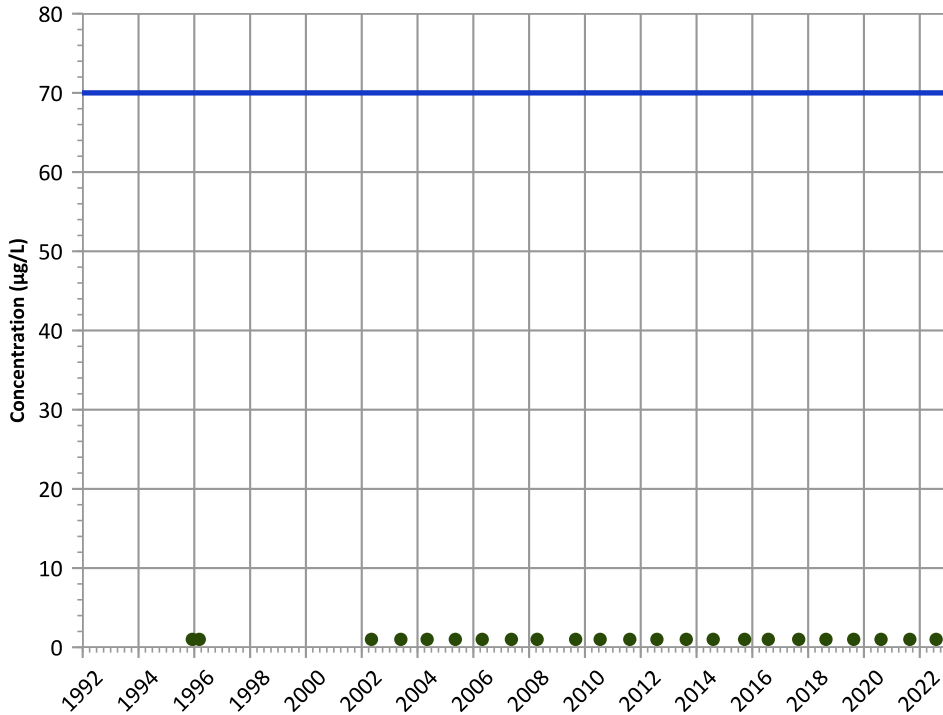
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

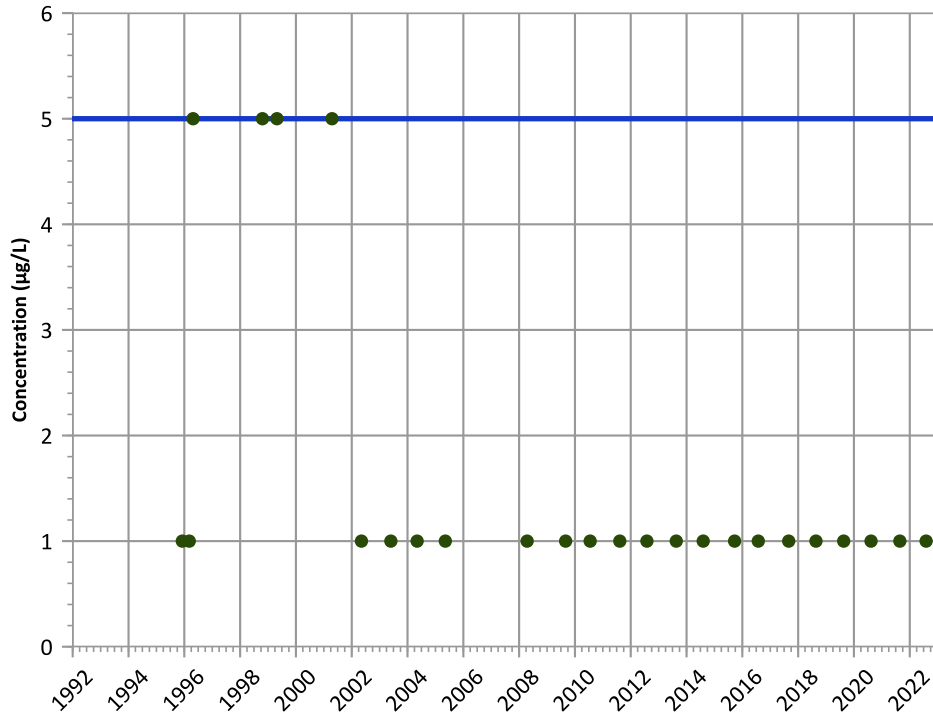
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

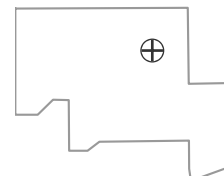
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

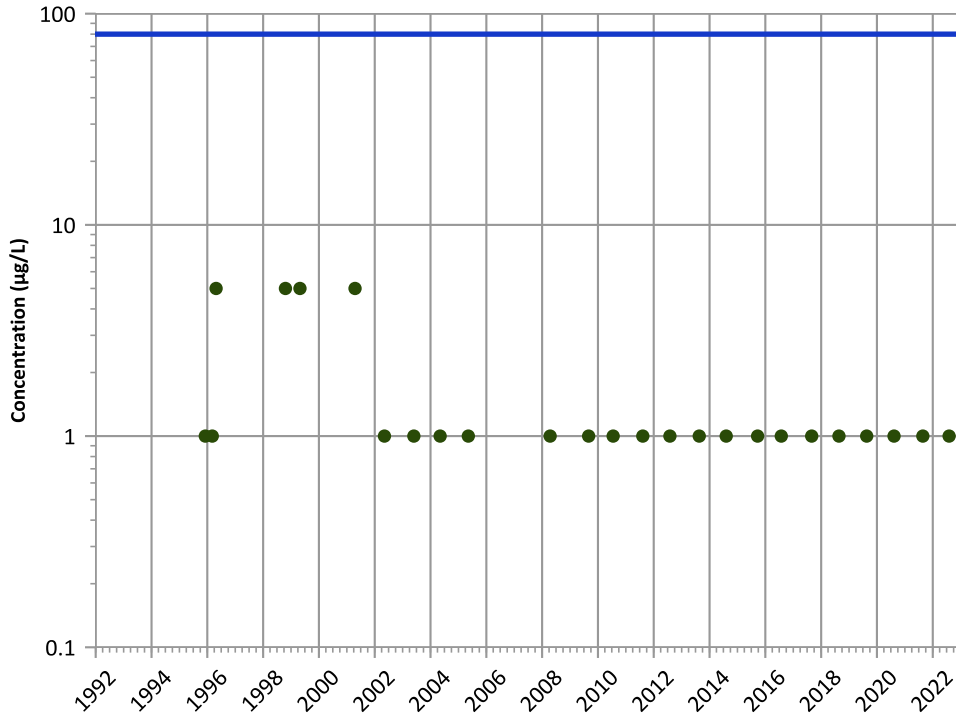
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

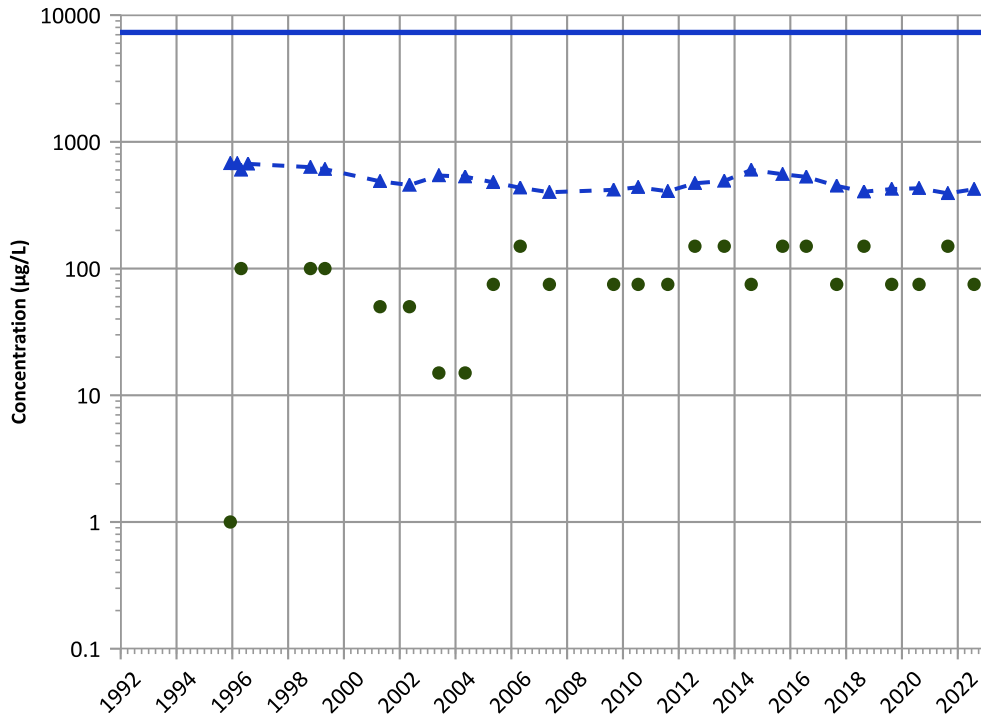


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

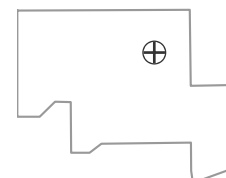
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

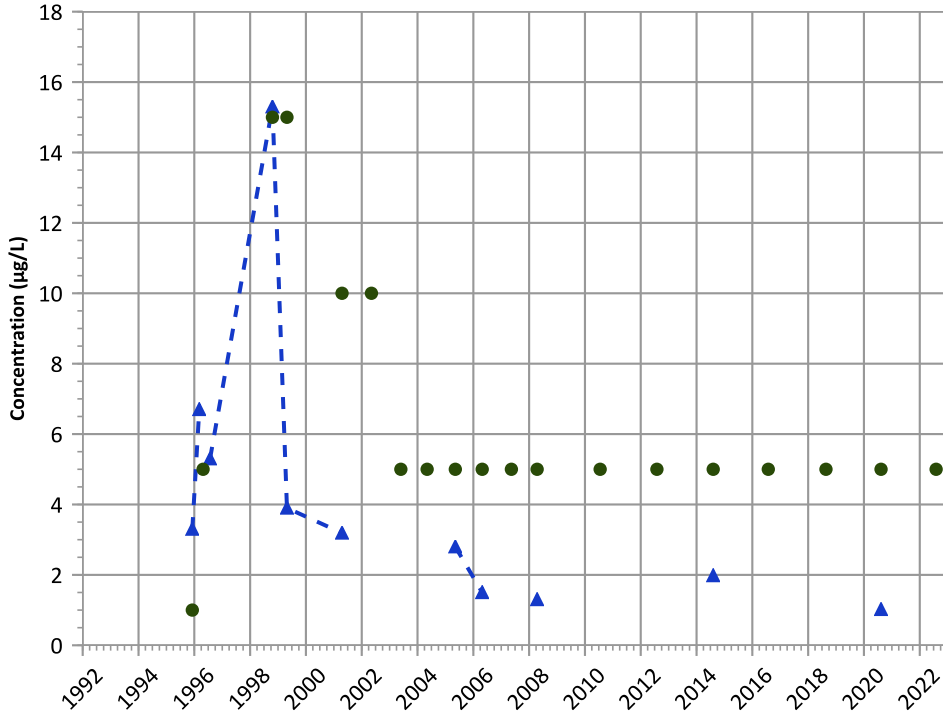
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

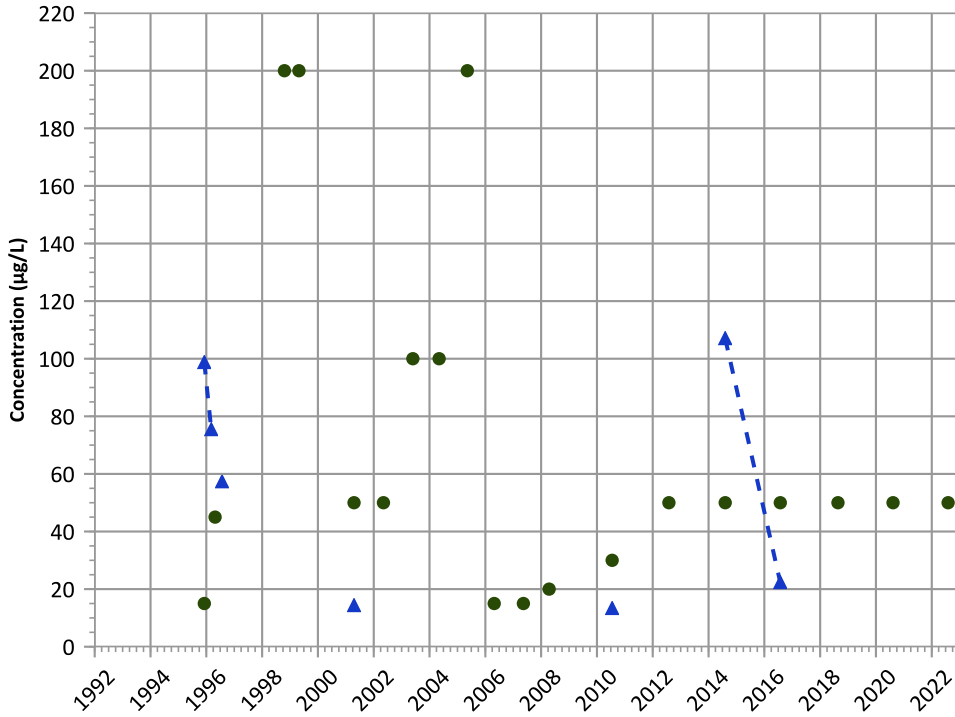


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Aluminum Trend

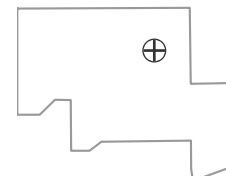


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Well Location

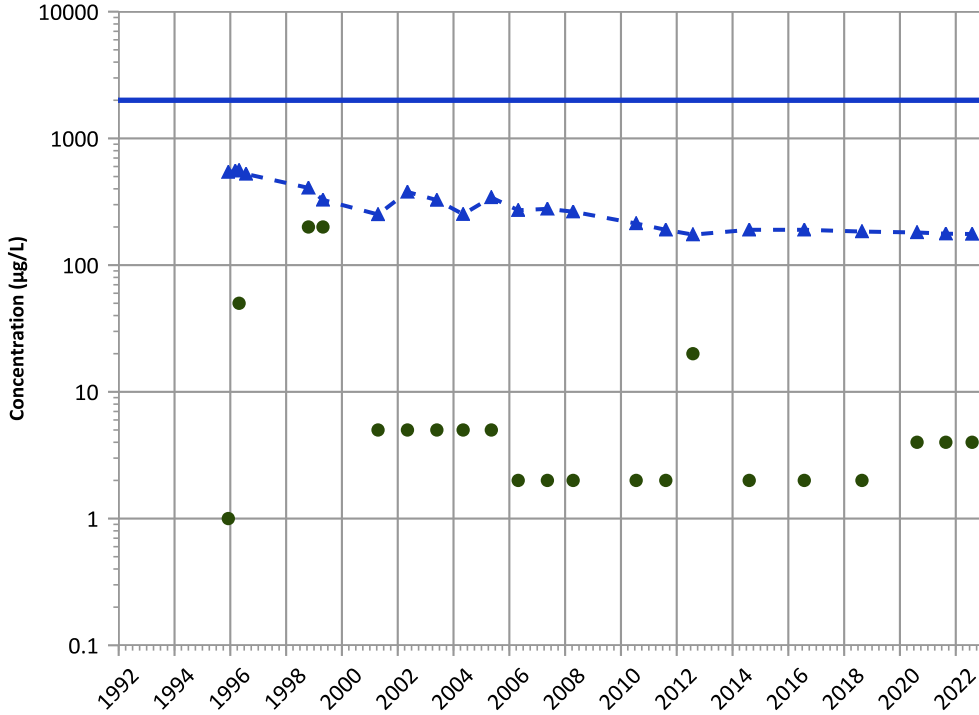


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

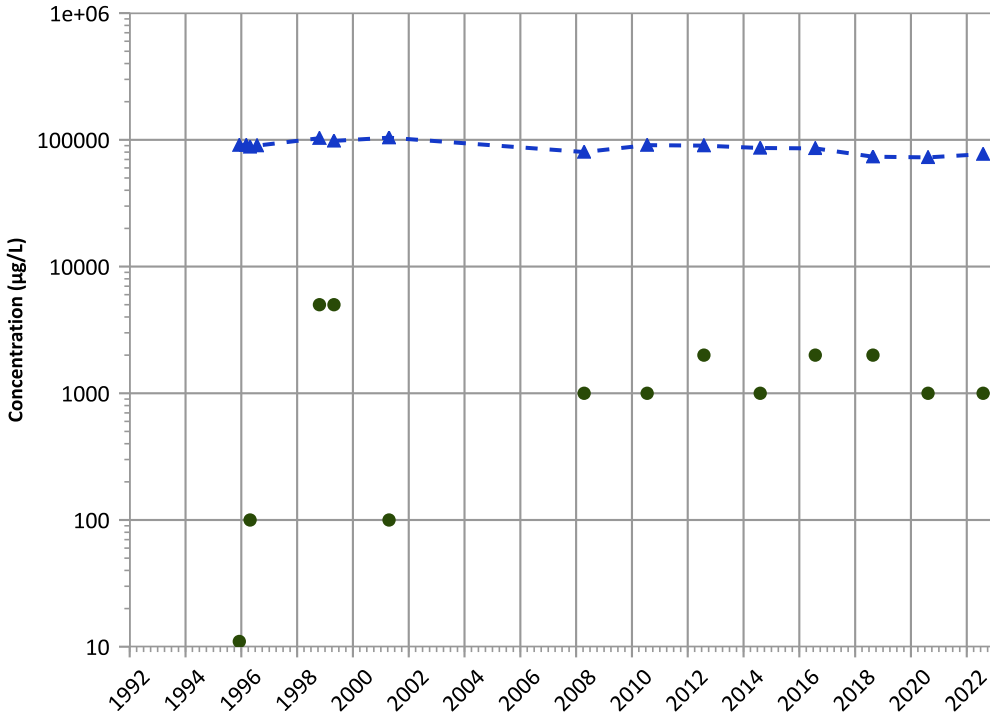


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Calcium Trend



Concentration Trend

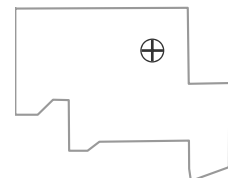
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

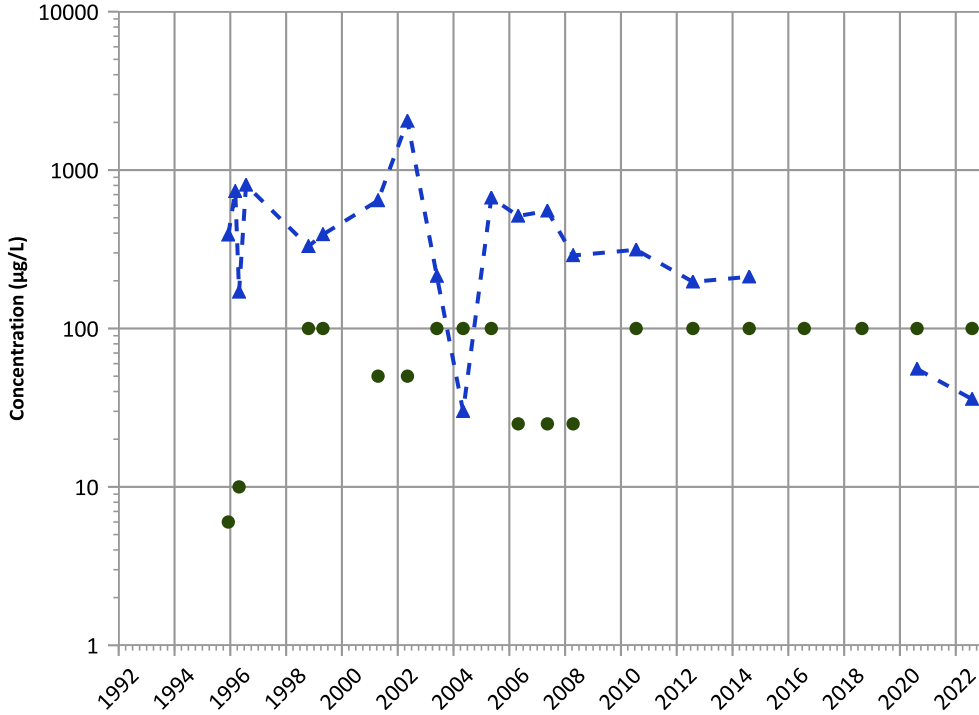
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

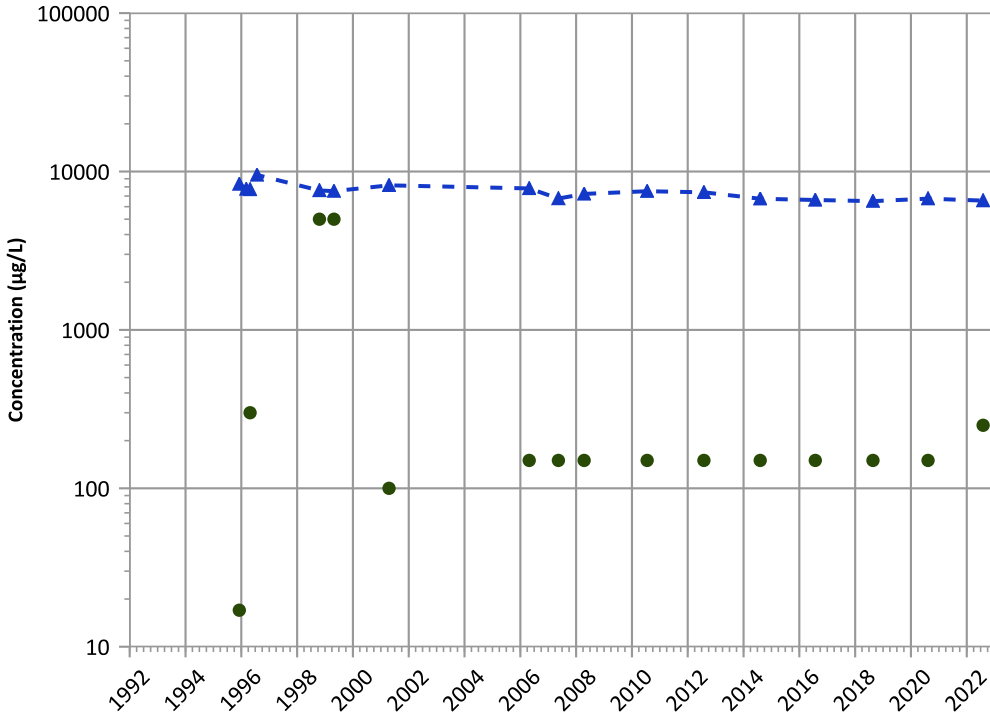


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Potassium Trend



Concentration Trend

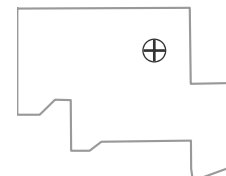
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

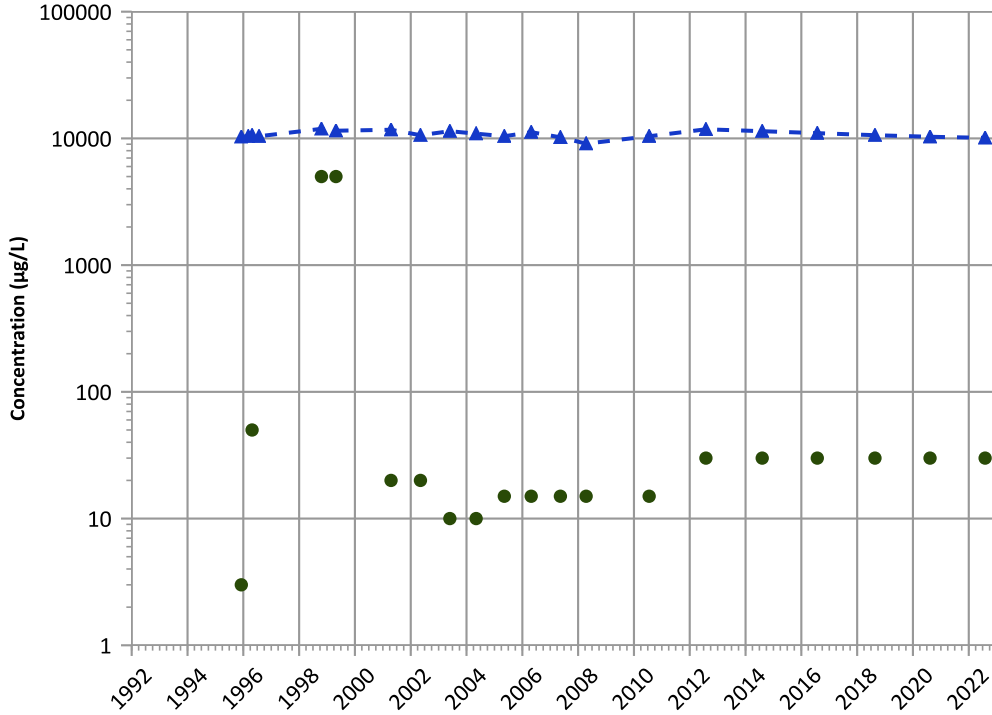
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

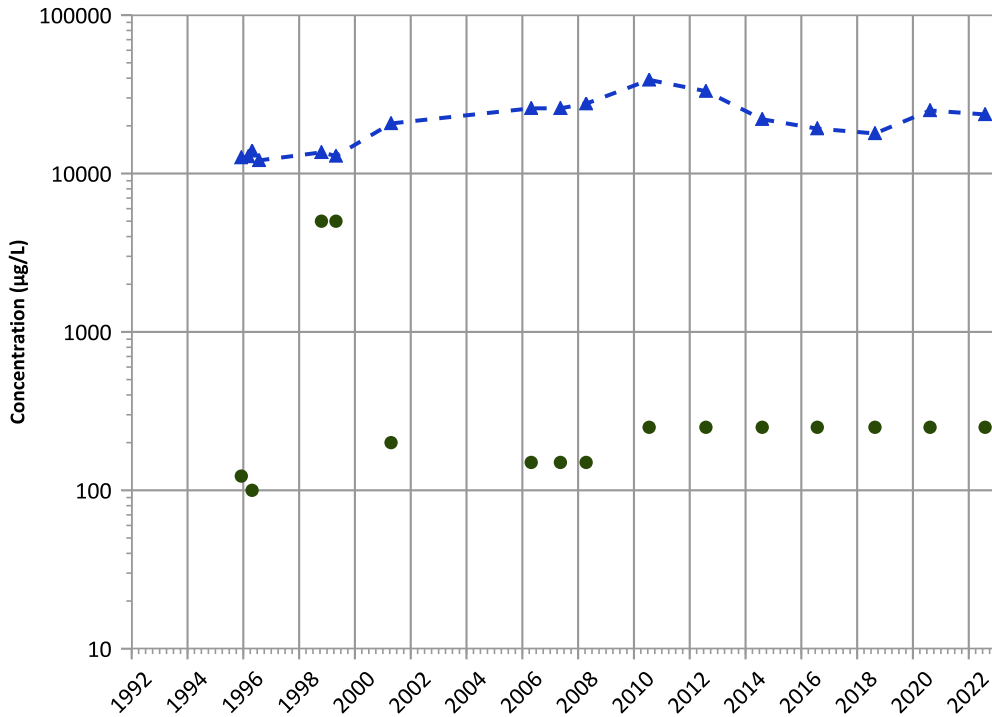
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Decreasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

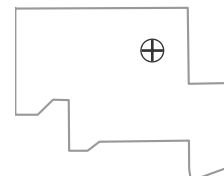
2020 - 2022 Data:

No Trend

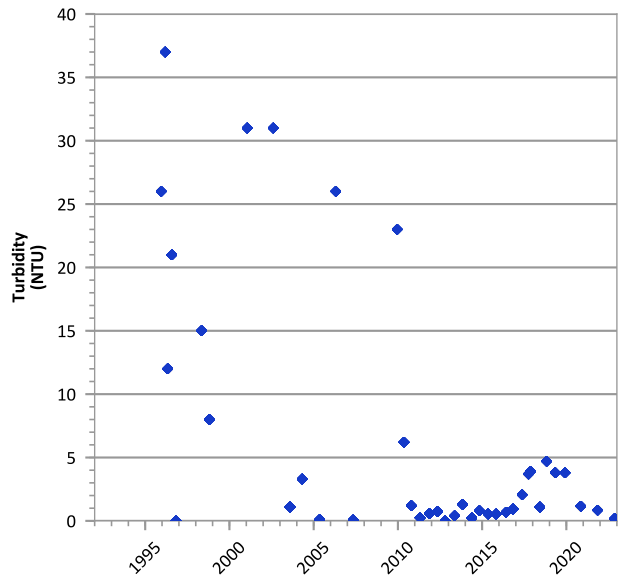
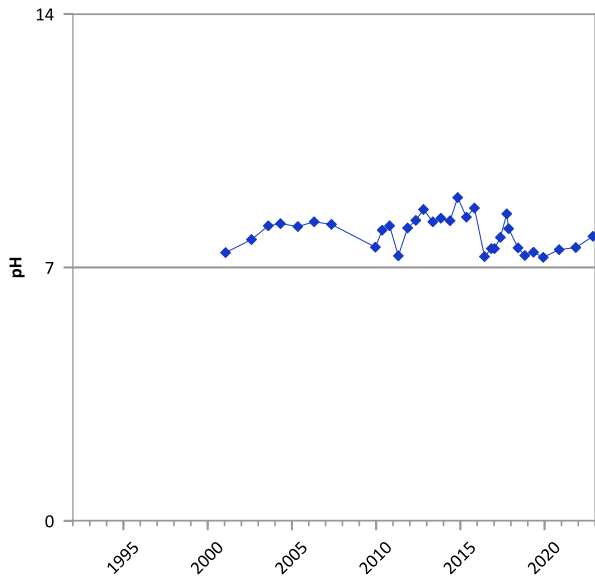
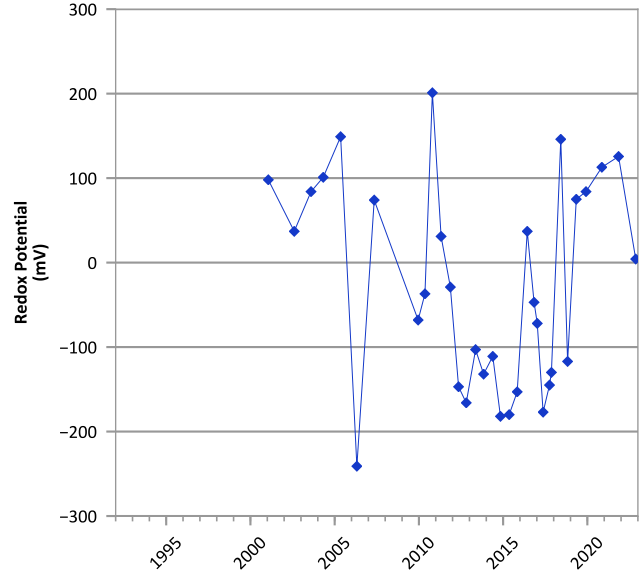
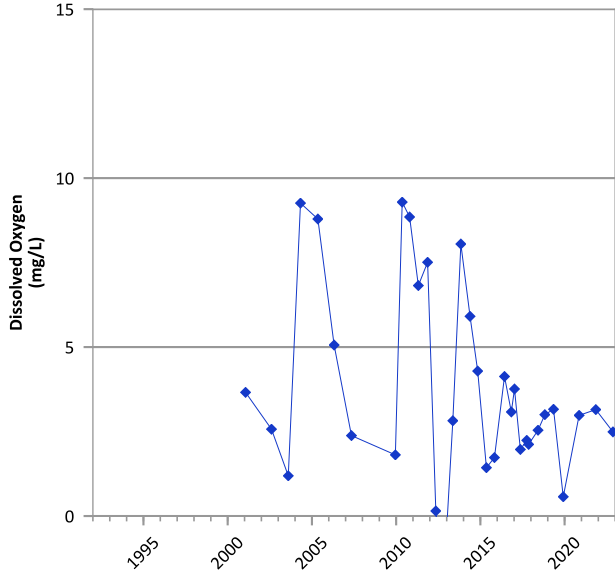
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/06/1995 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

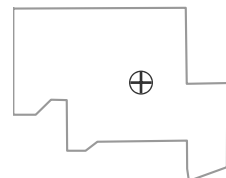


**PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



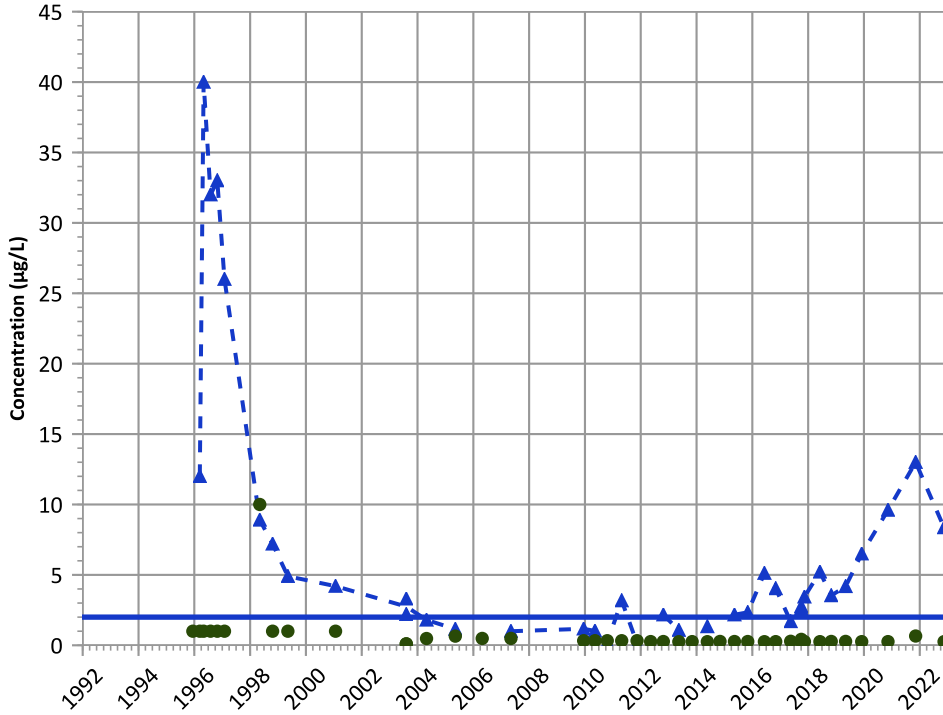
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/13/1995 to 11/15/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

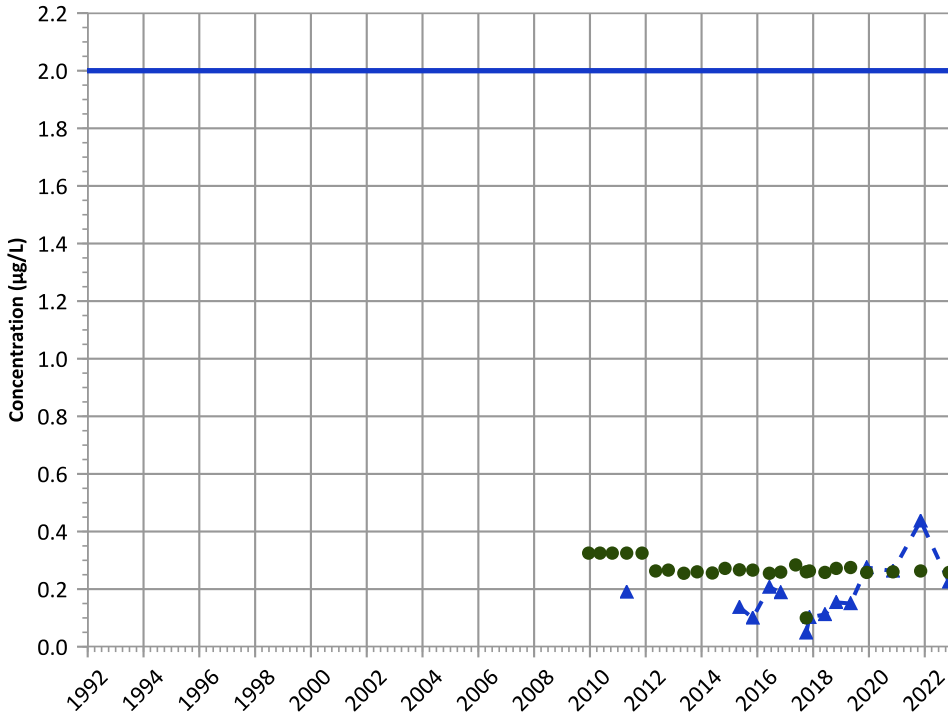
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

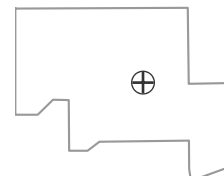
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

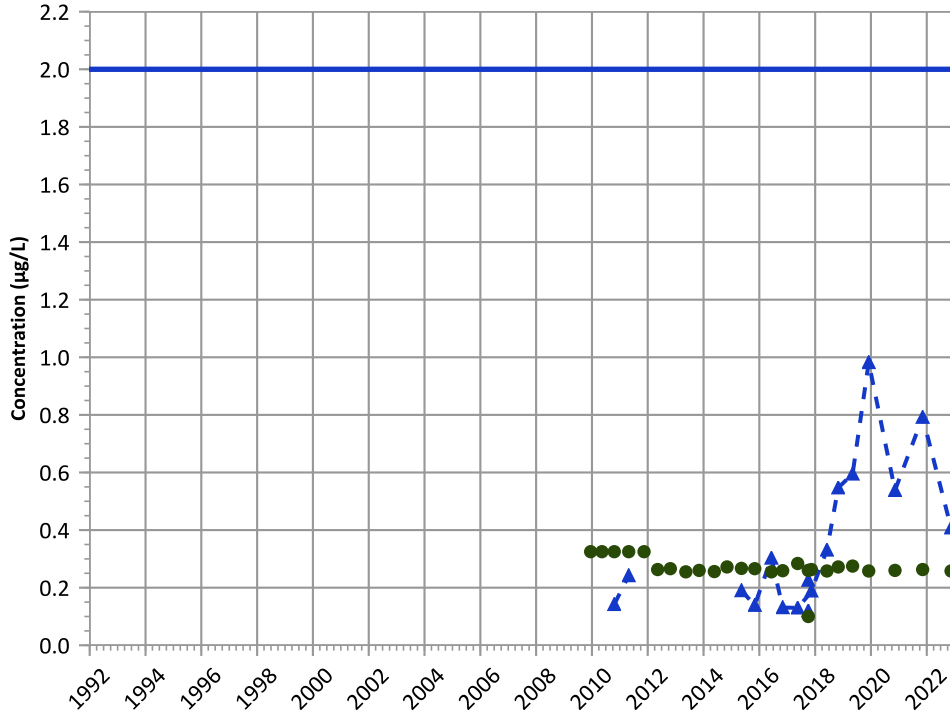
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

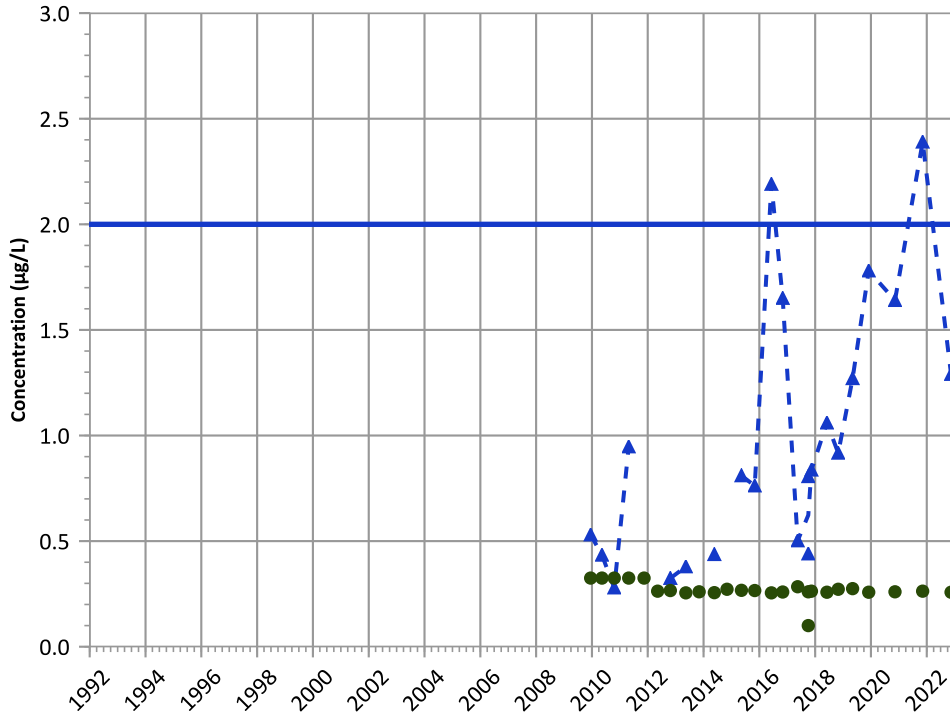


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

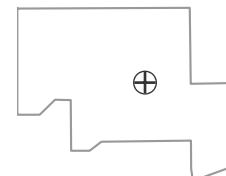
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

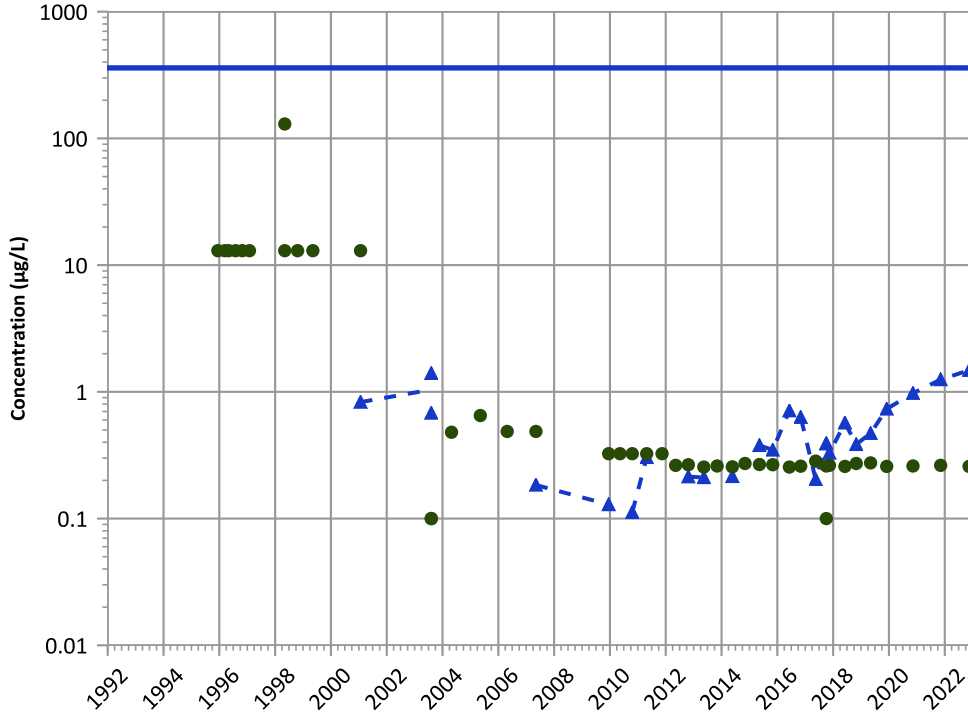
Well Location





PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

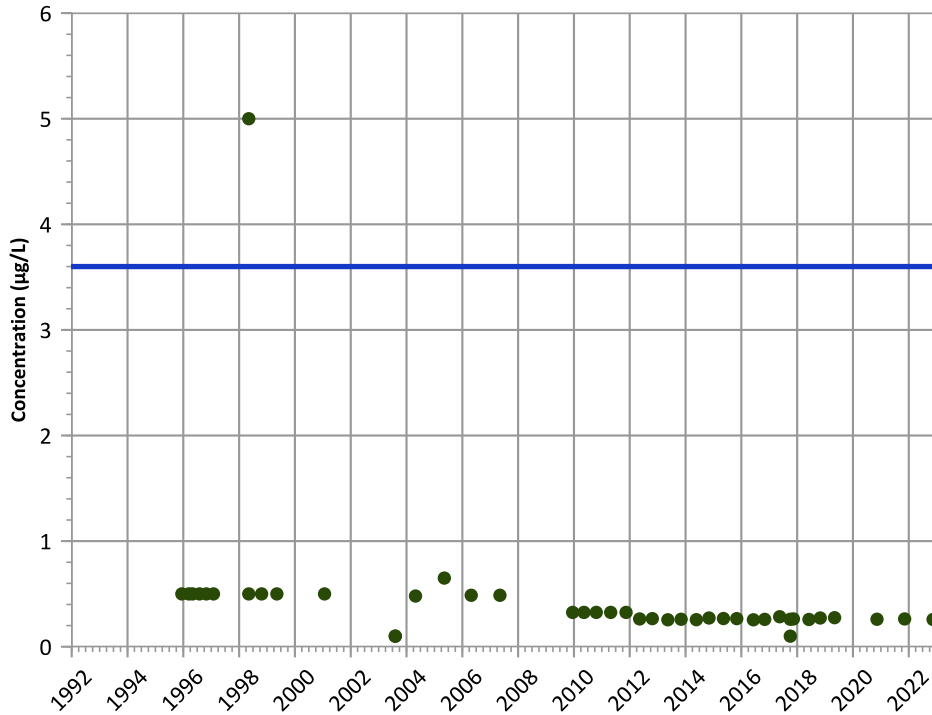
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

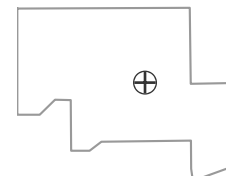
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

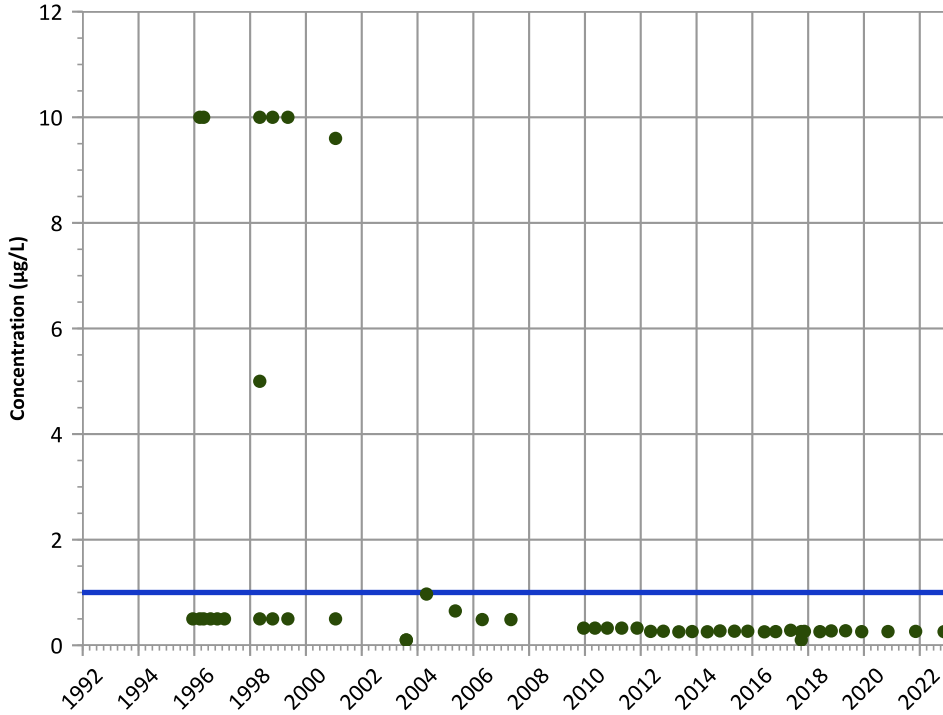
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

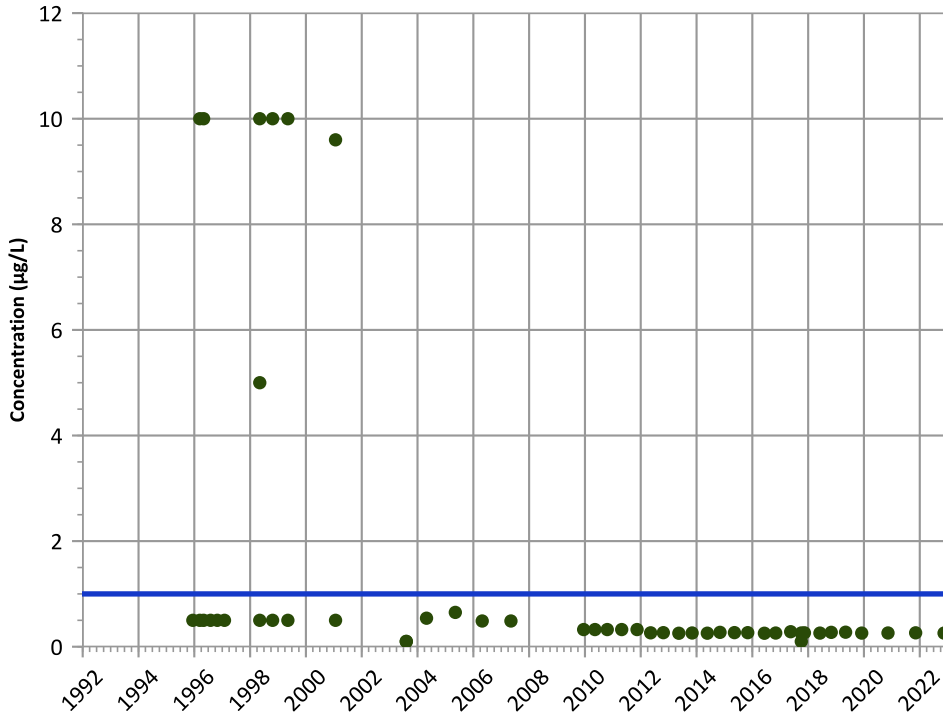
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

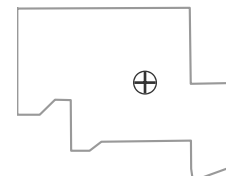
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

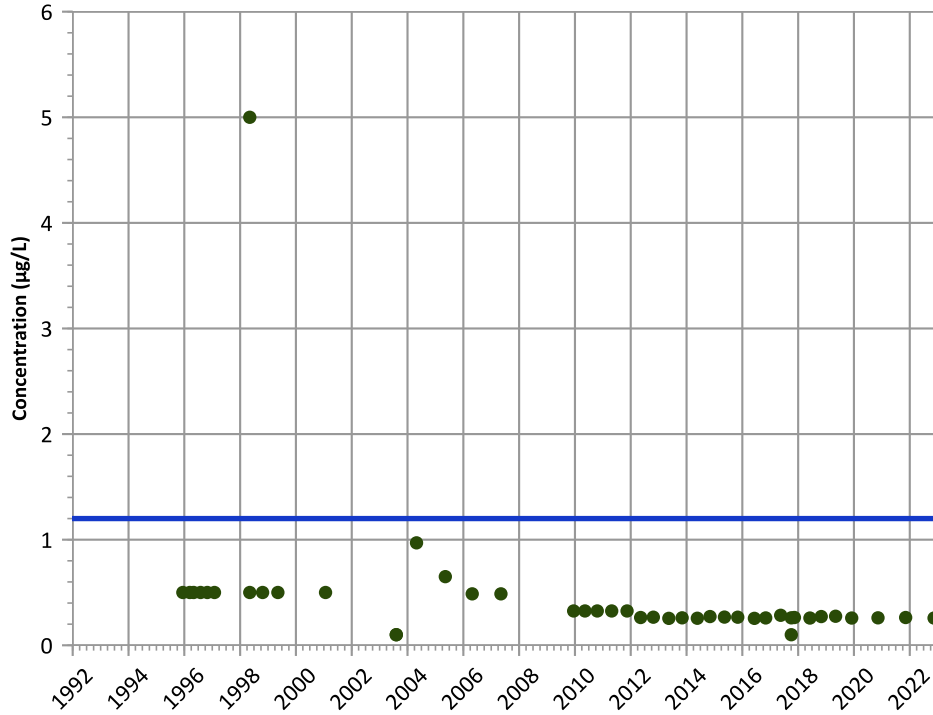
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

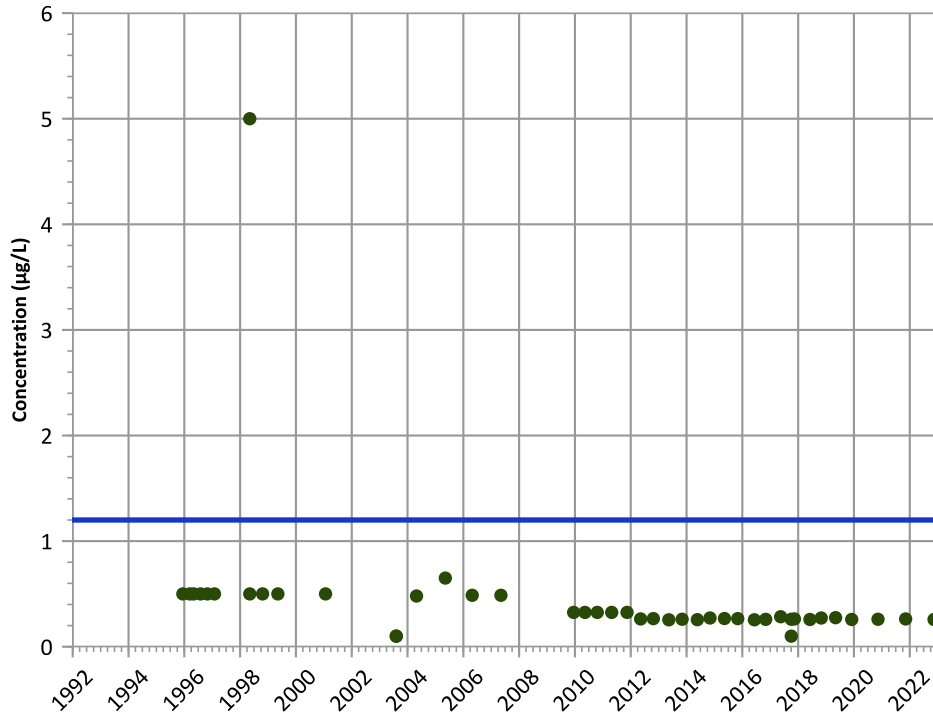
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

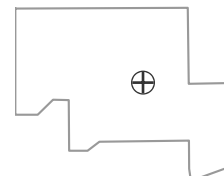
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

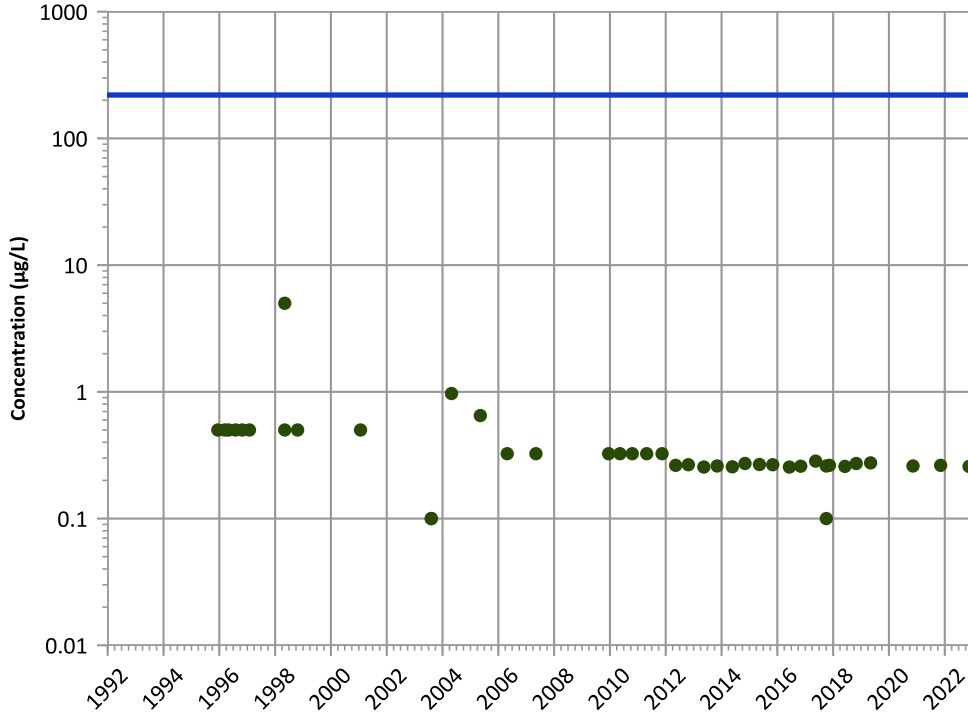
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

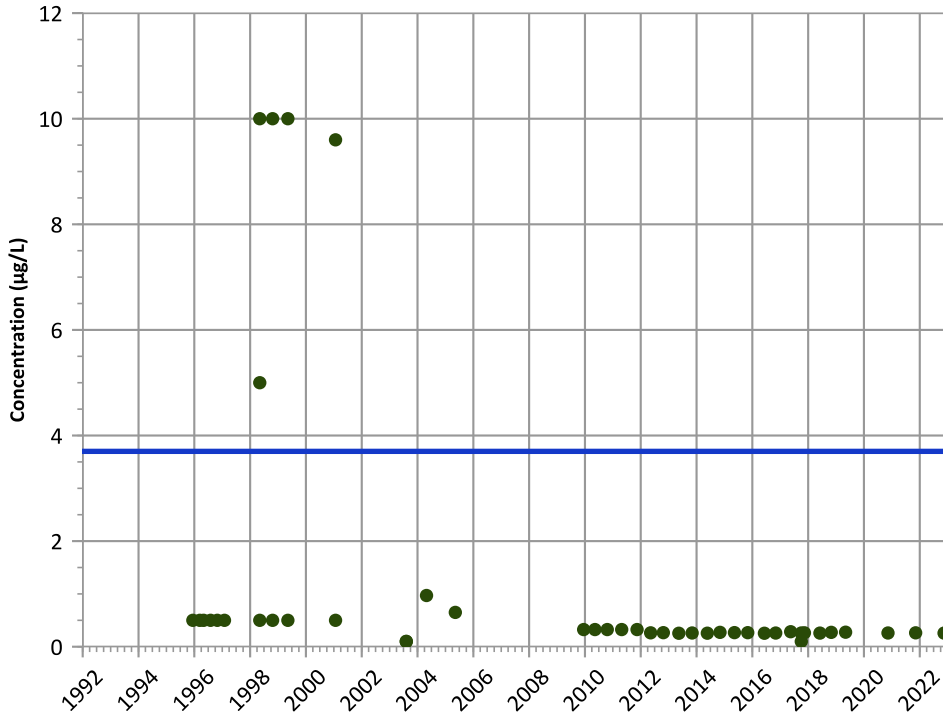
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

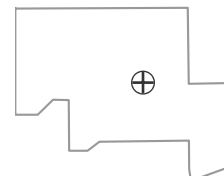
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

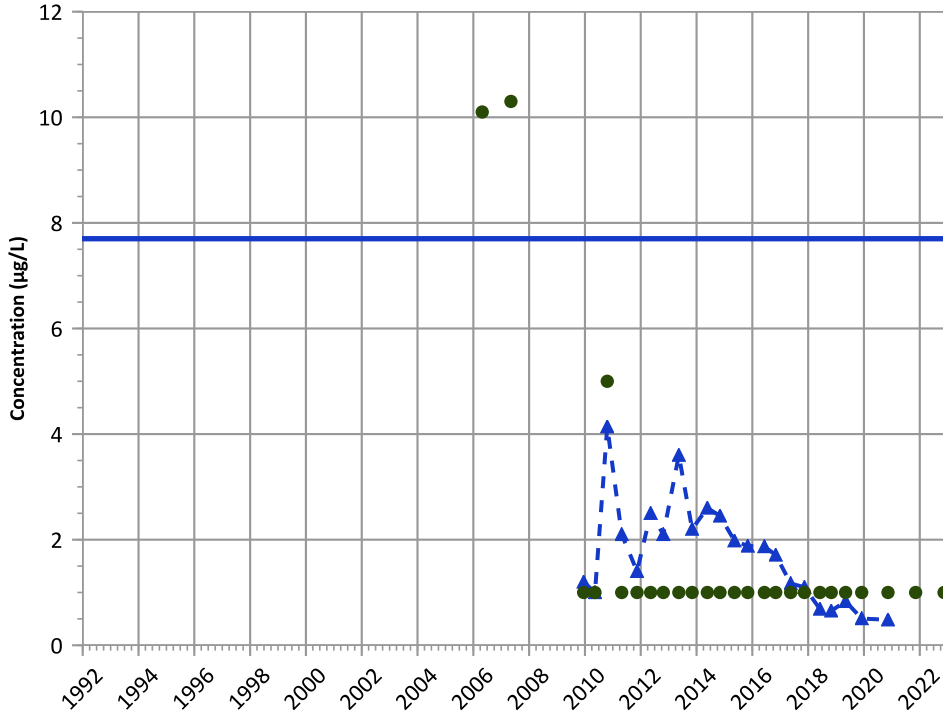
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

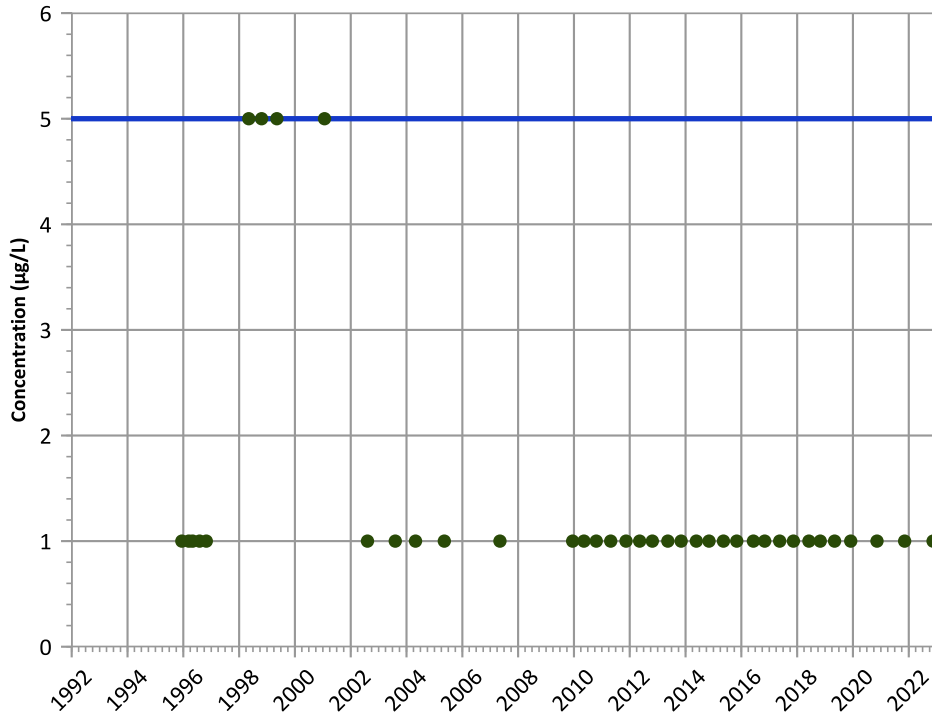


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Tetrachloroethylene (PCE) Trend



Concentration Trend

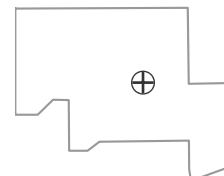
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

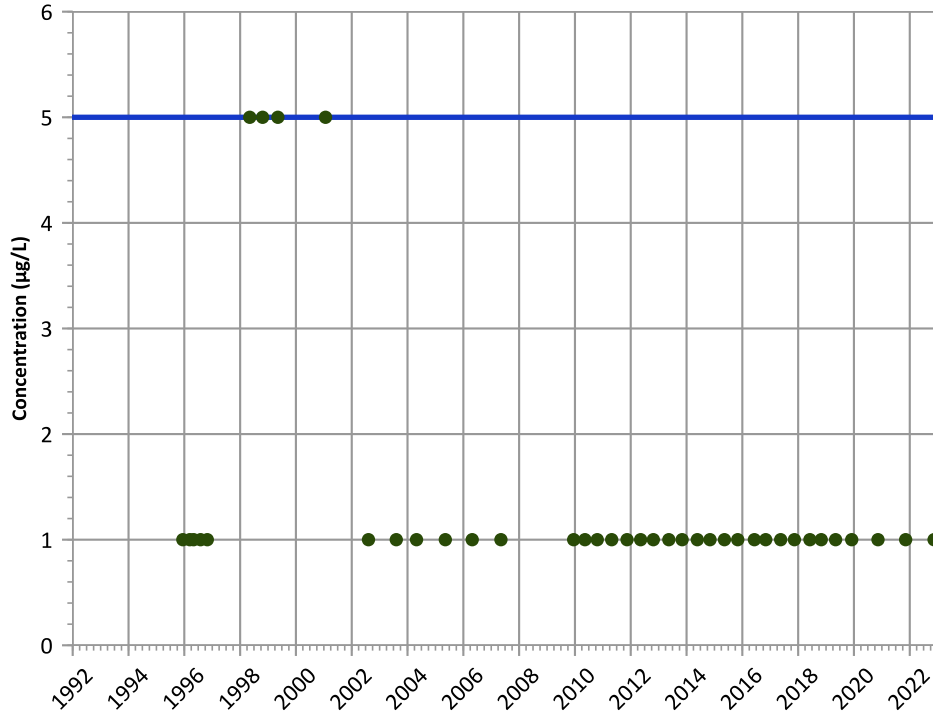
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

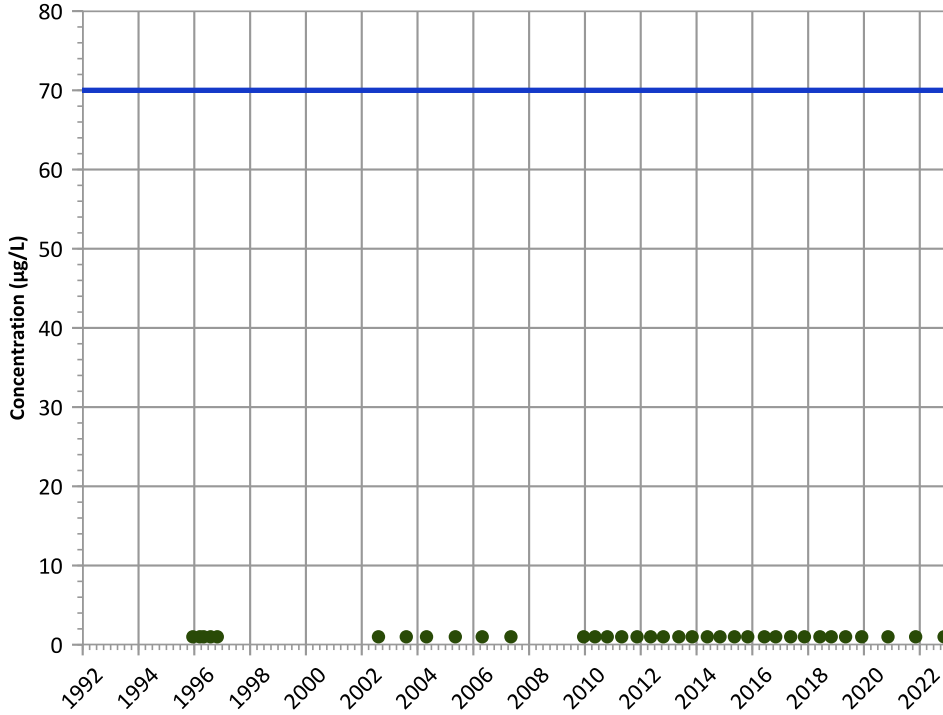
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

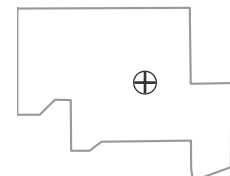
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

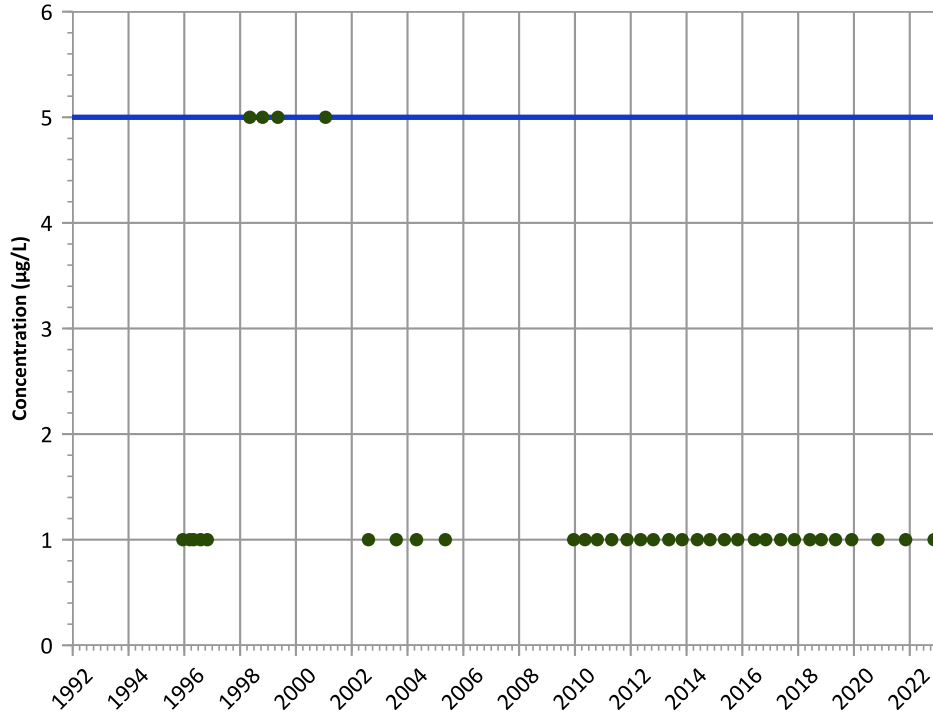
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

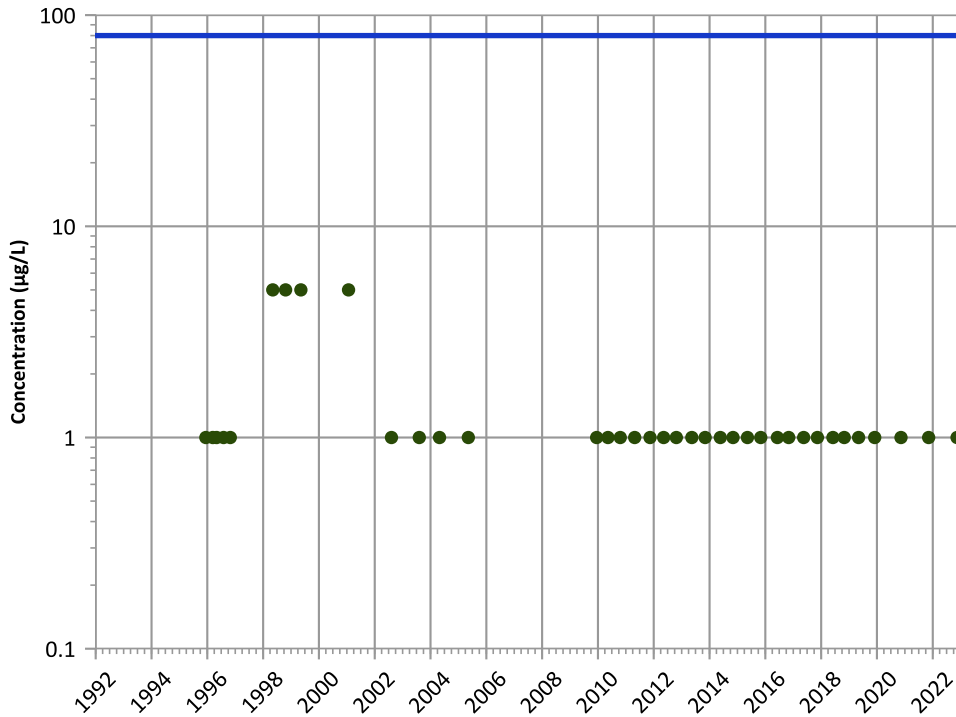
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

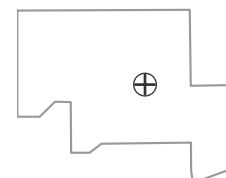
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

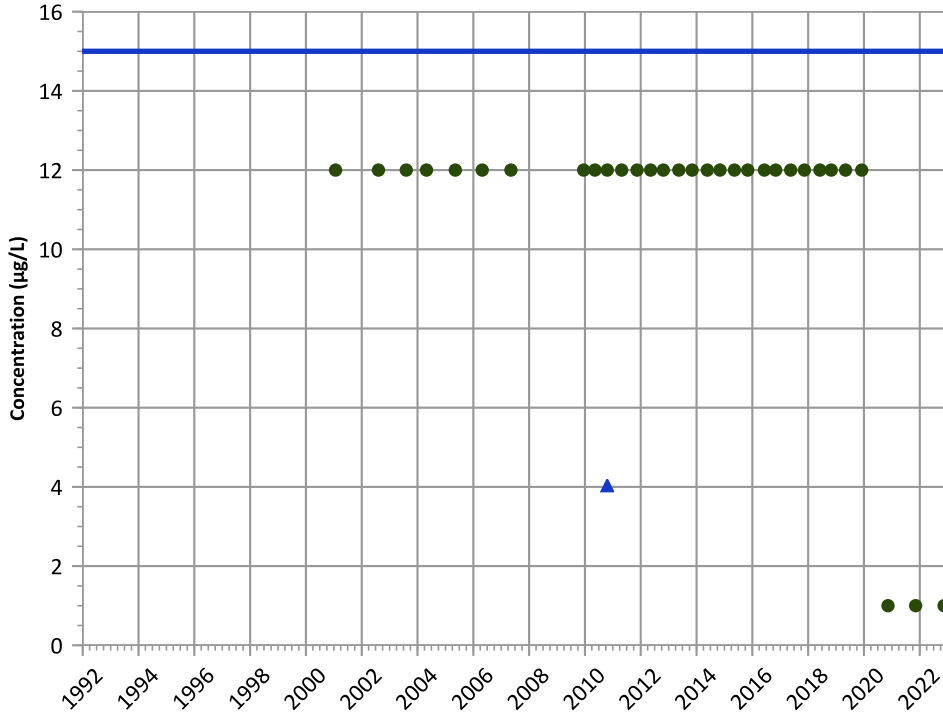
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

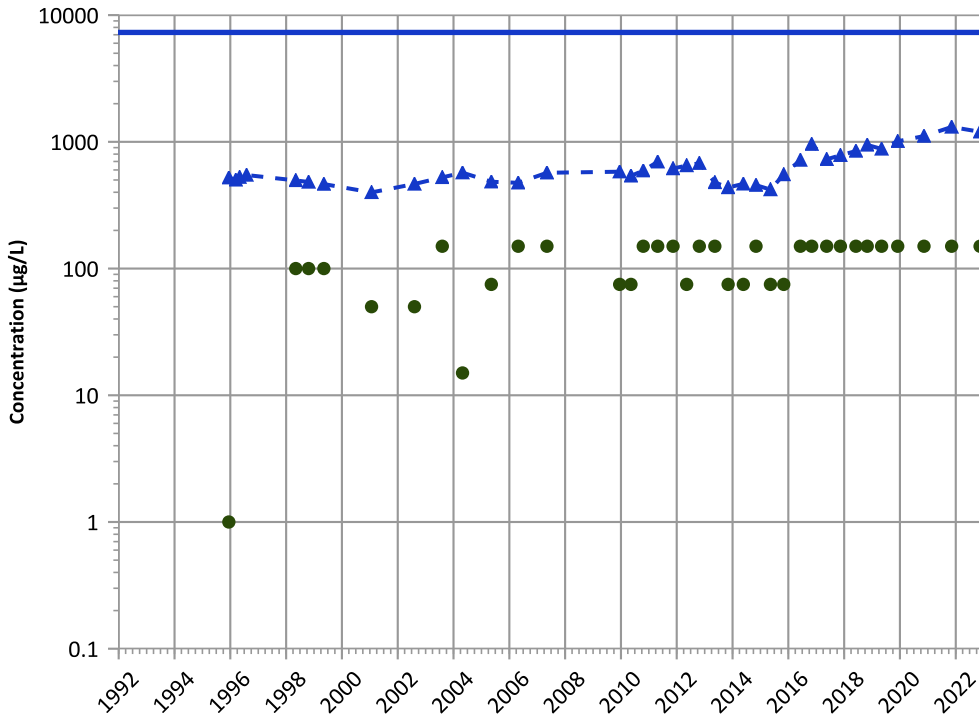


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

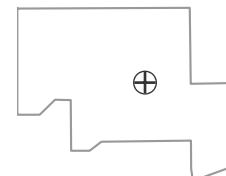
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

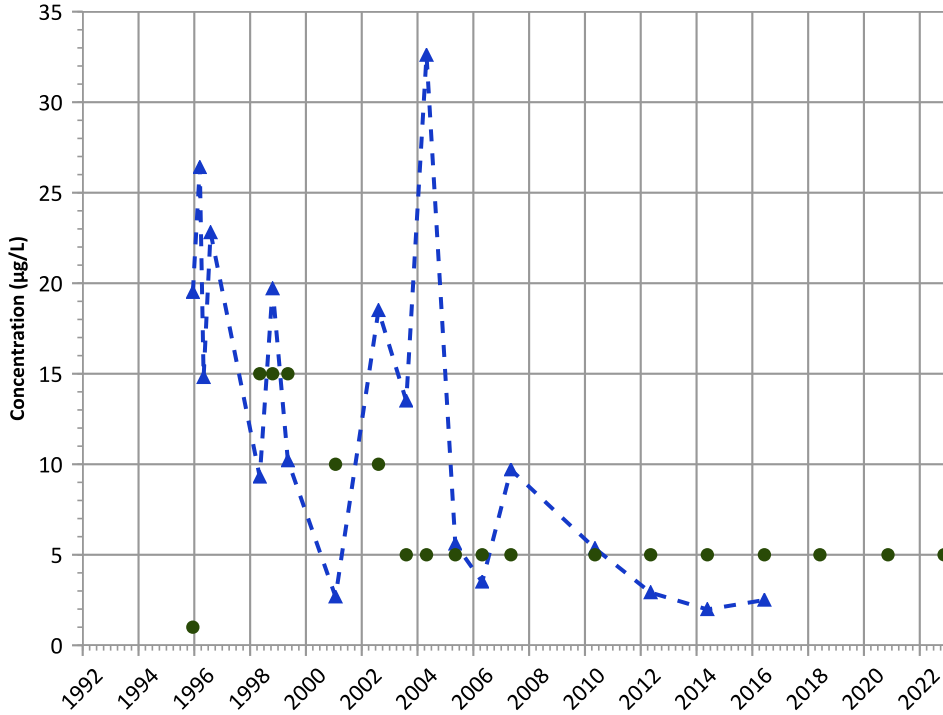
Well Location





PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

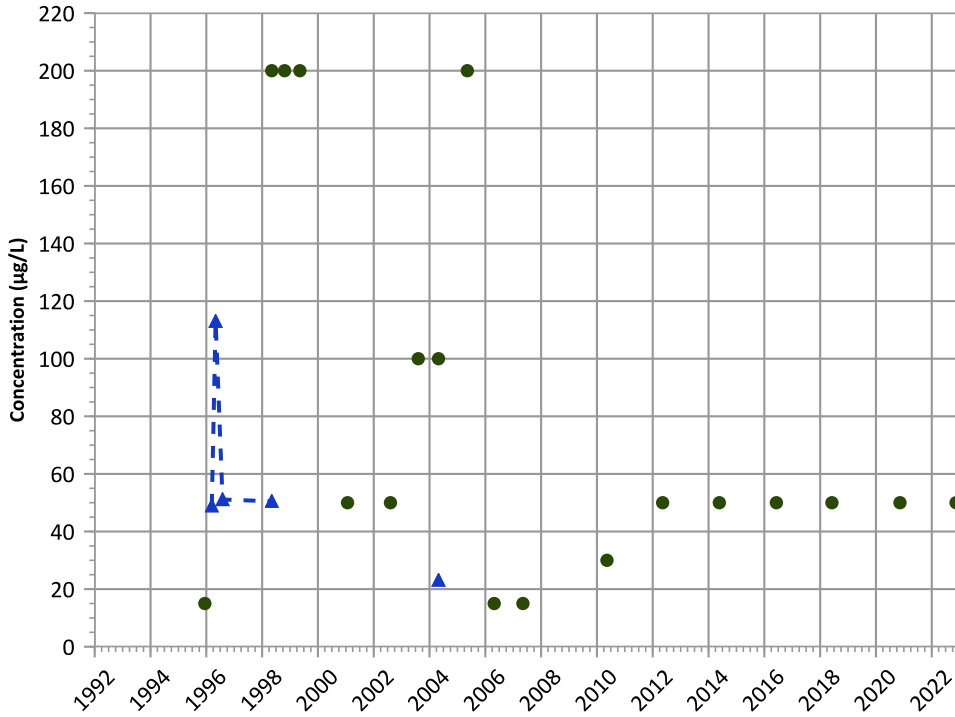


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

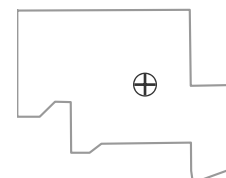
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

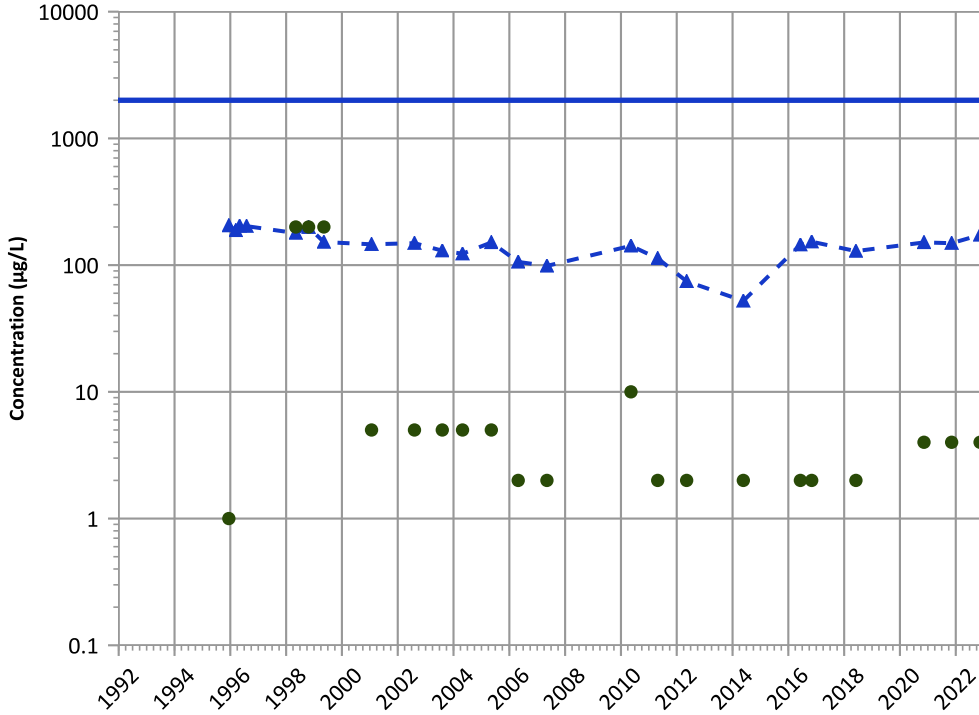
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

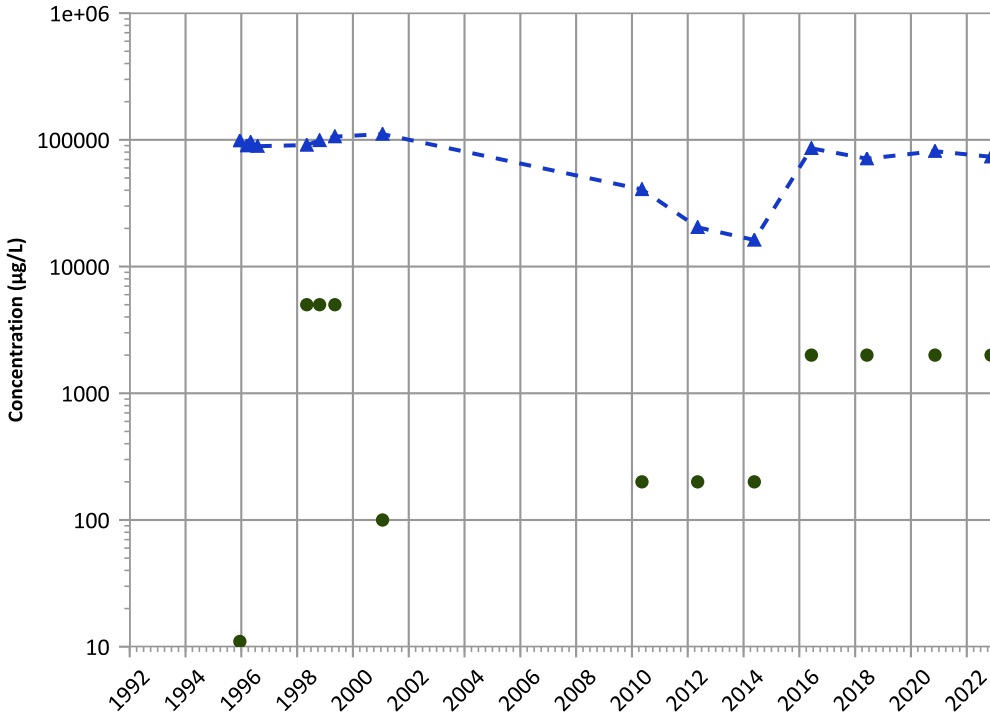


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

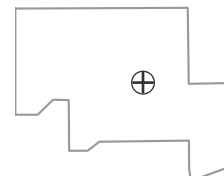
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

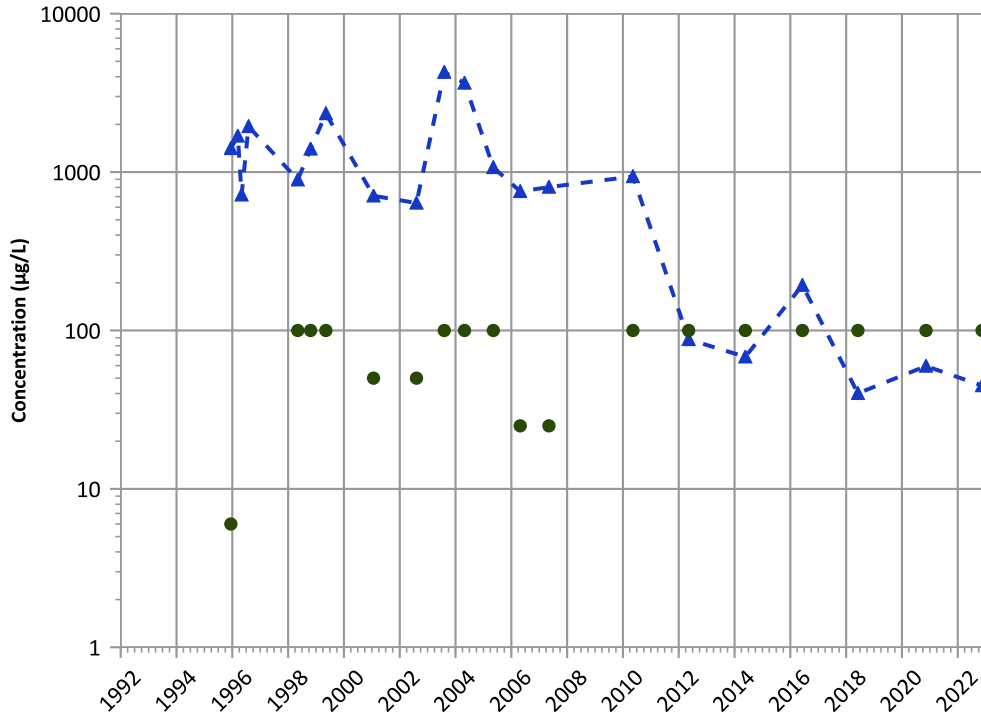
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

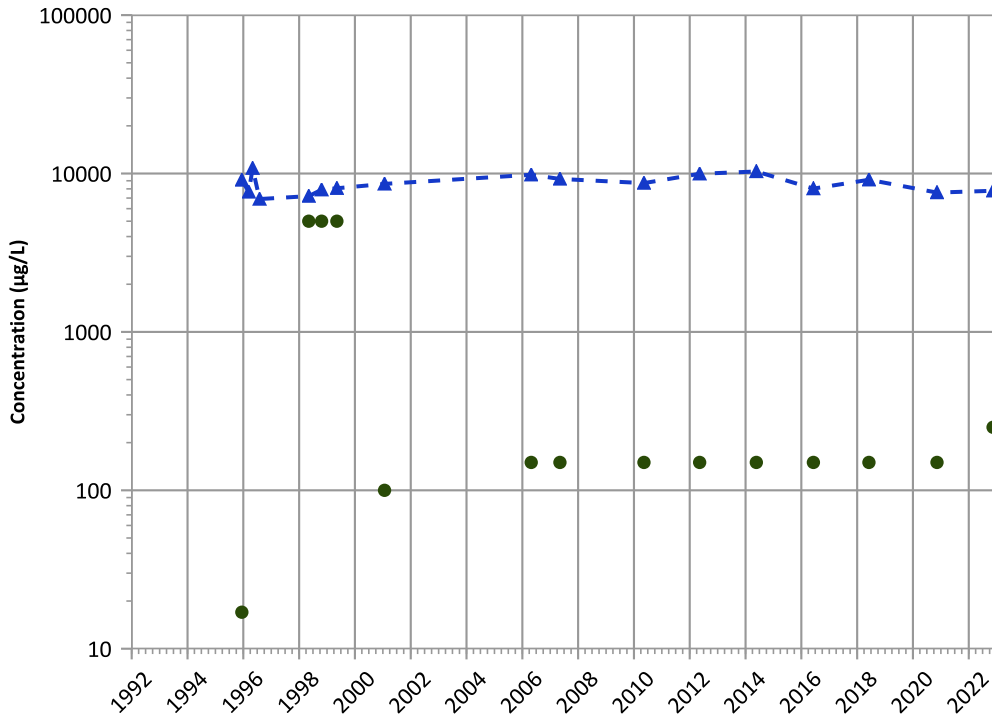
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

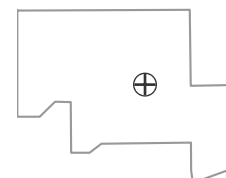
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

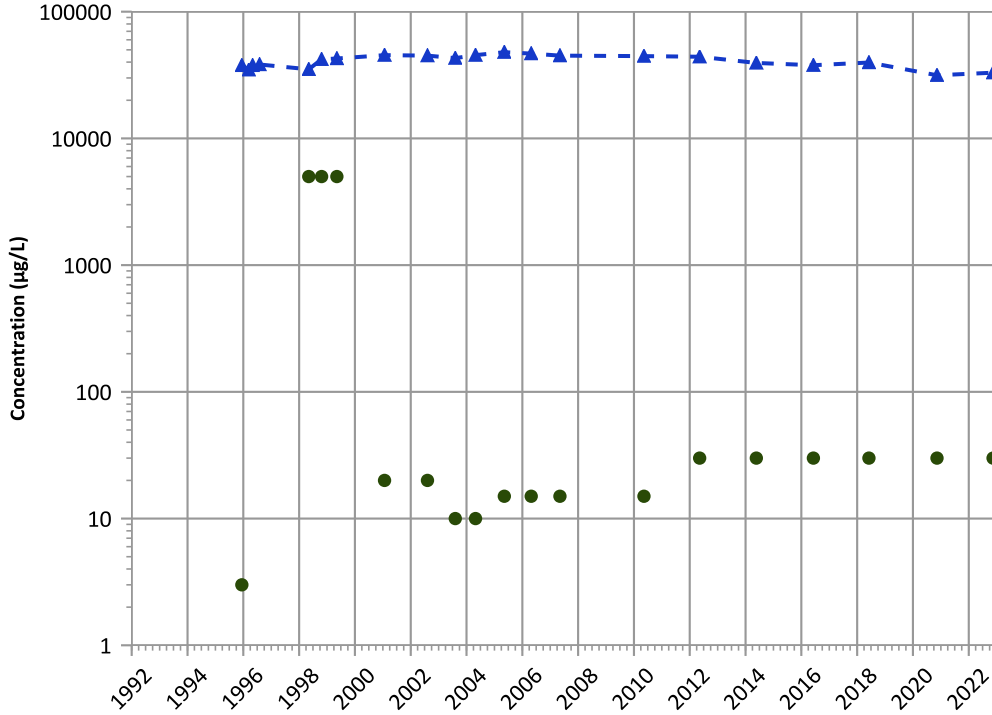
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

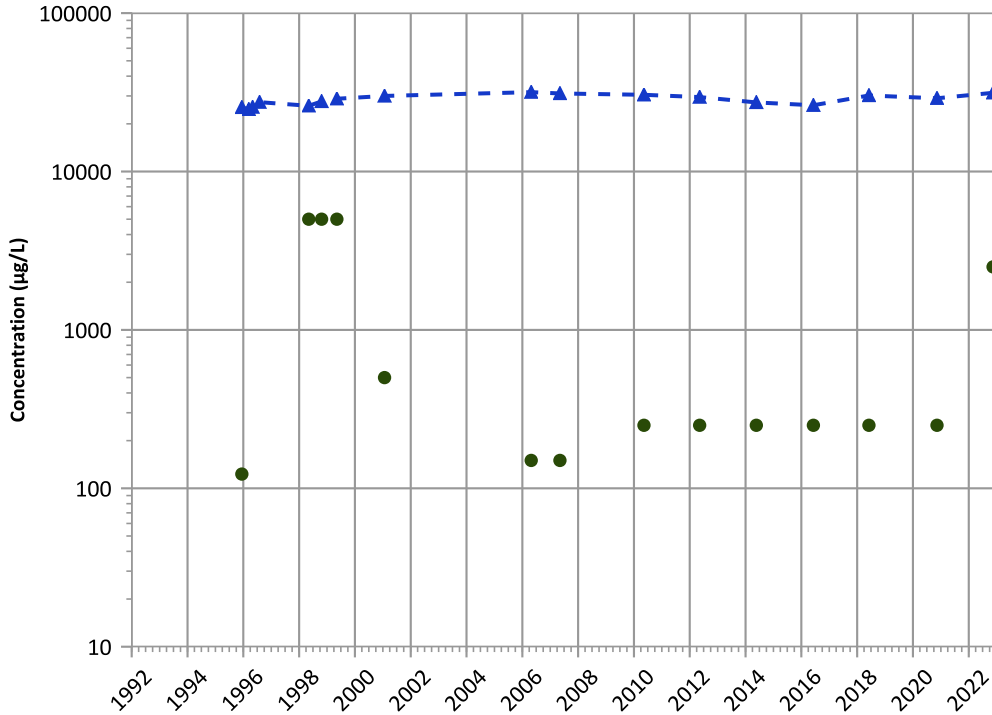
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

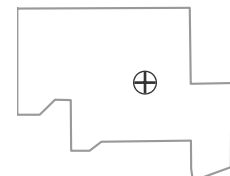
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

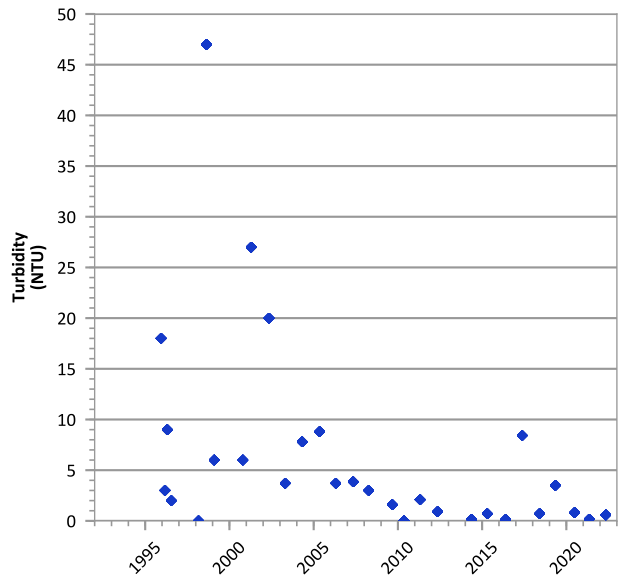
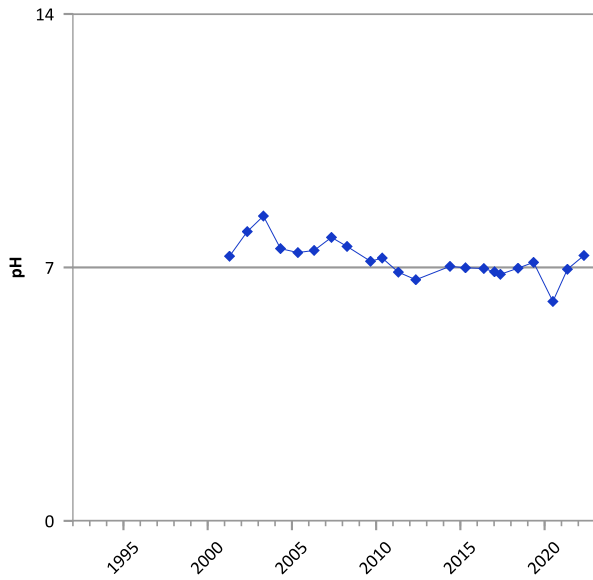
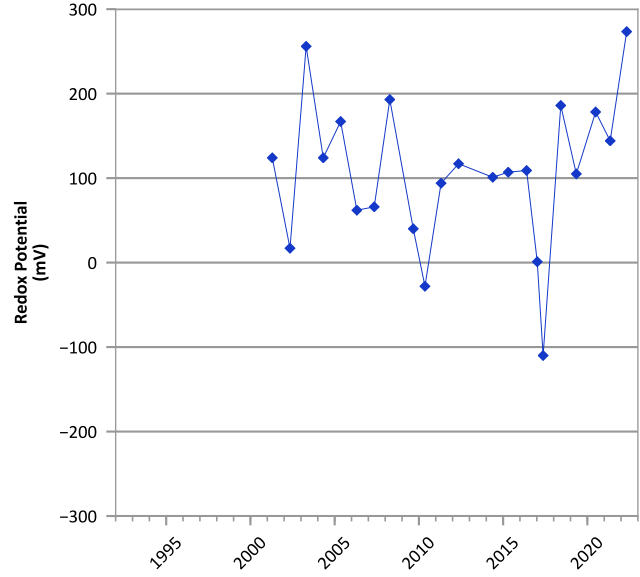
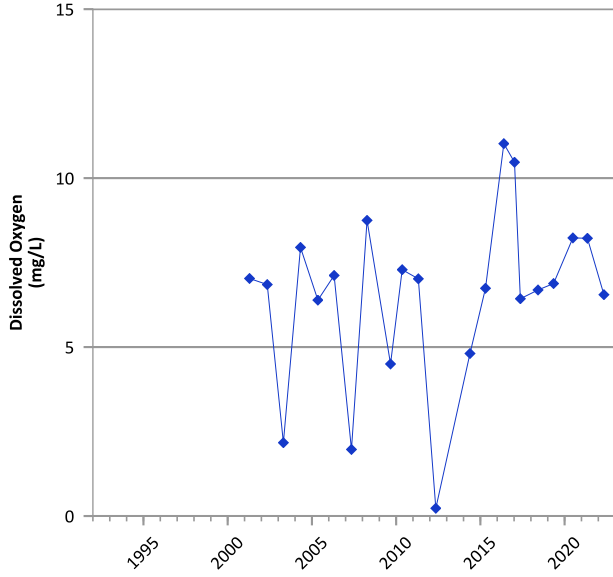
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/13/1995 to 11/15/2022  
Analysis Date: 04/27/2023

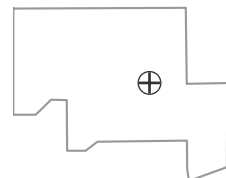
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



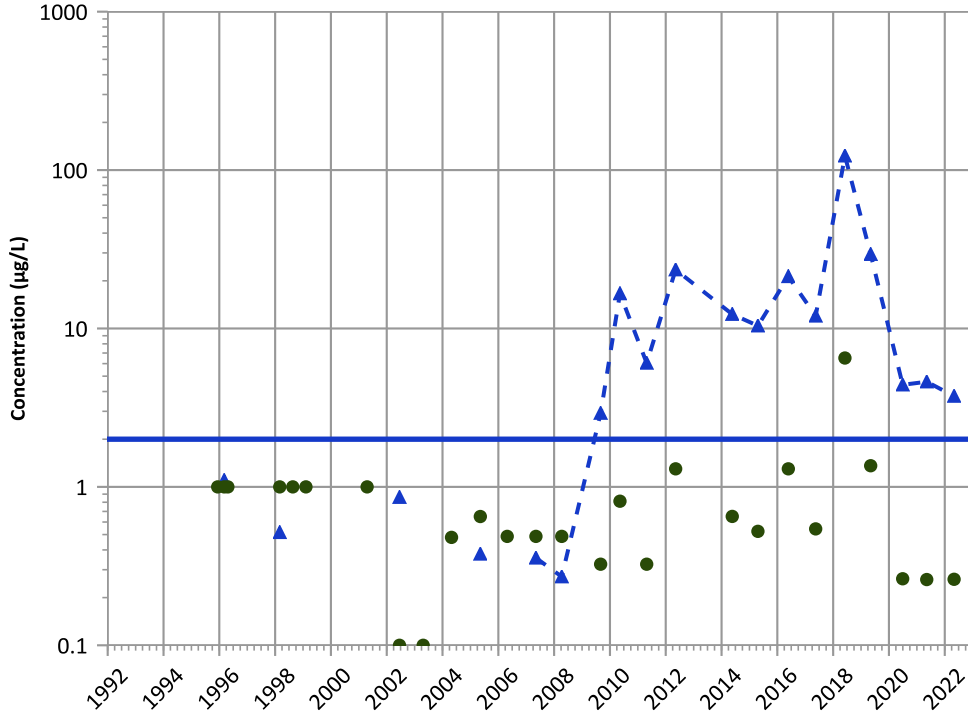
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/11/1995 to 05/03/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

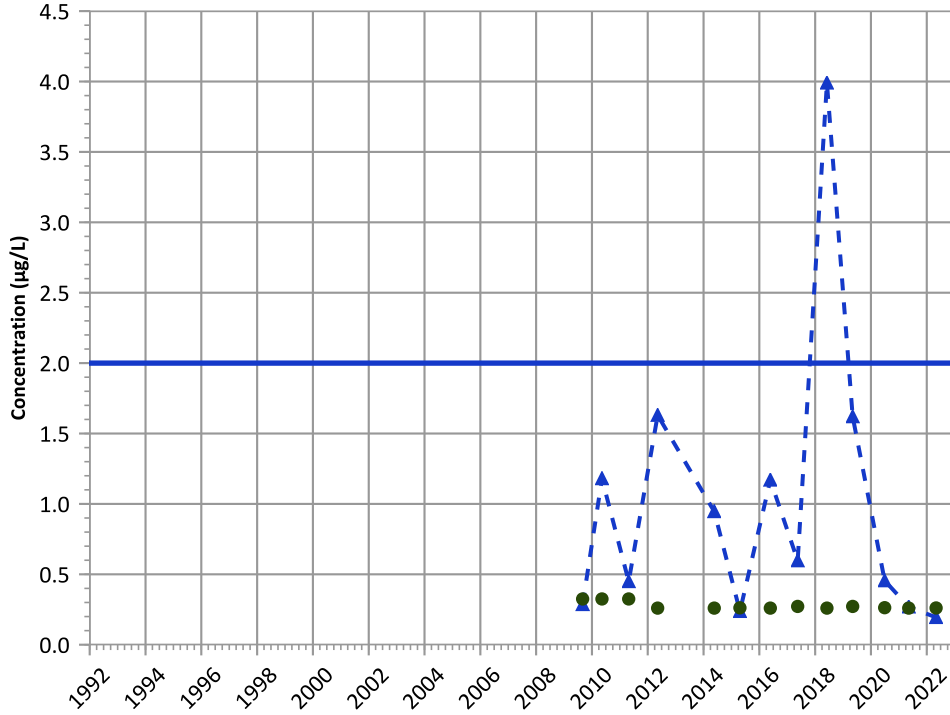
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

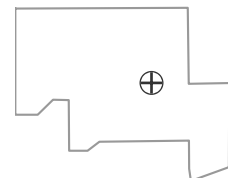
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

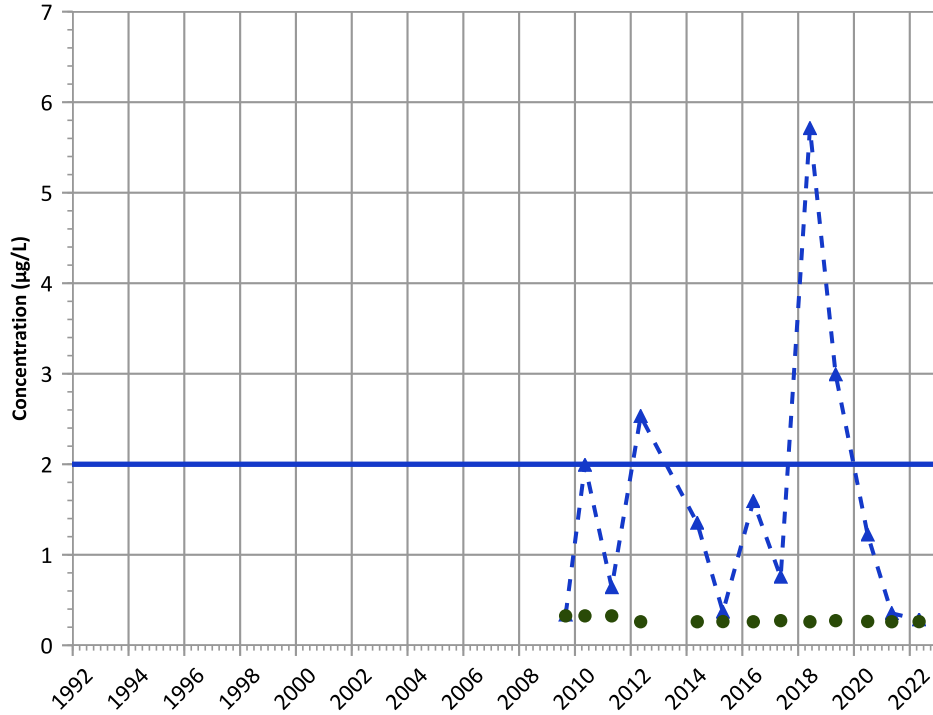
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

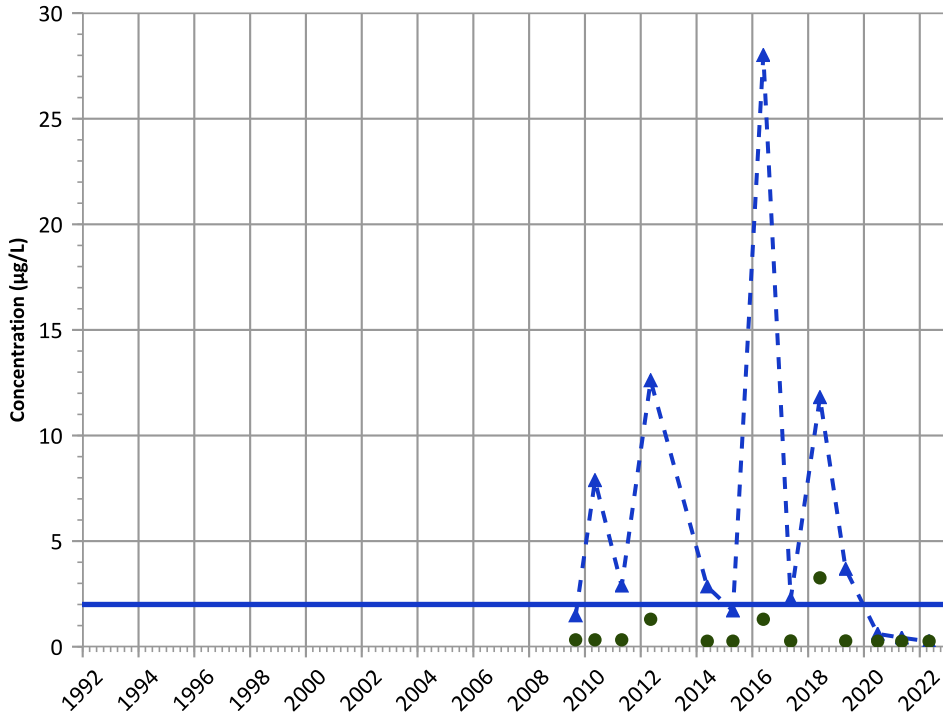


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

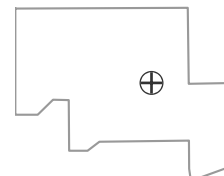
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

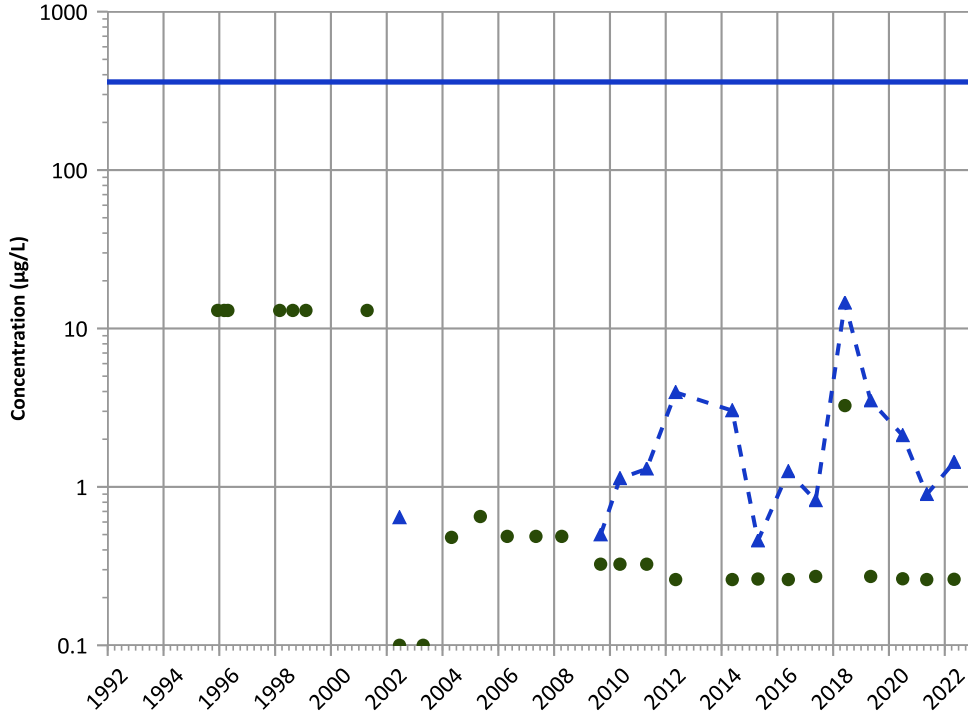
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

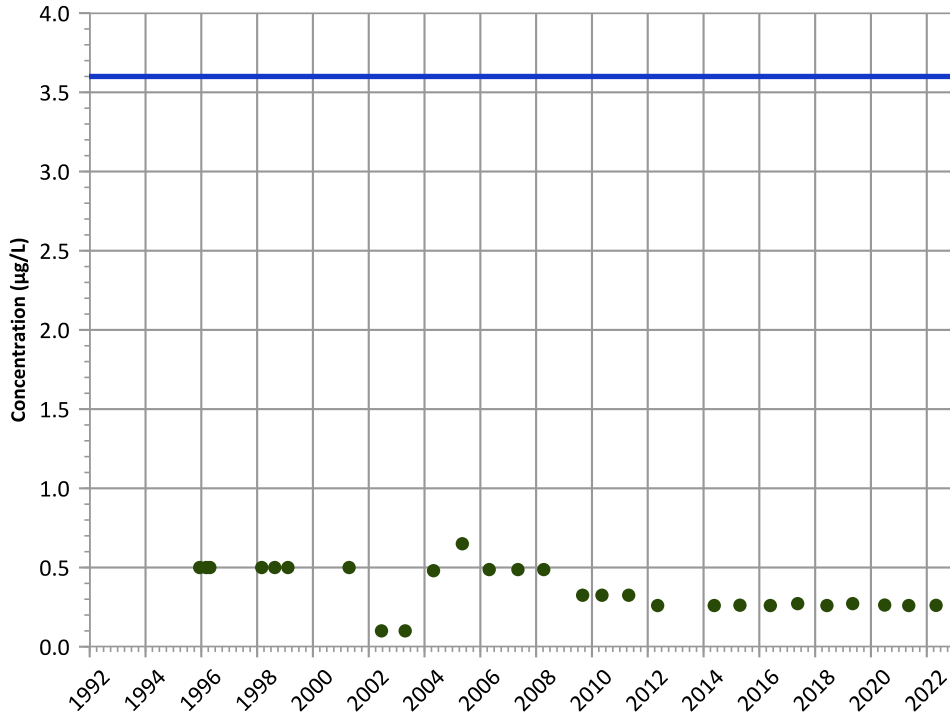
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

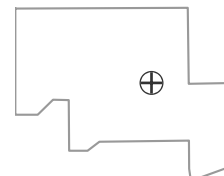
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

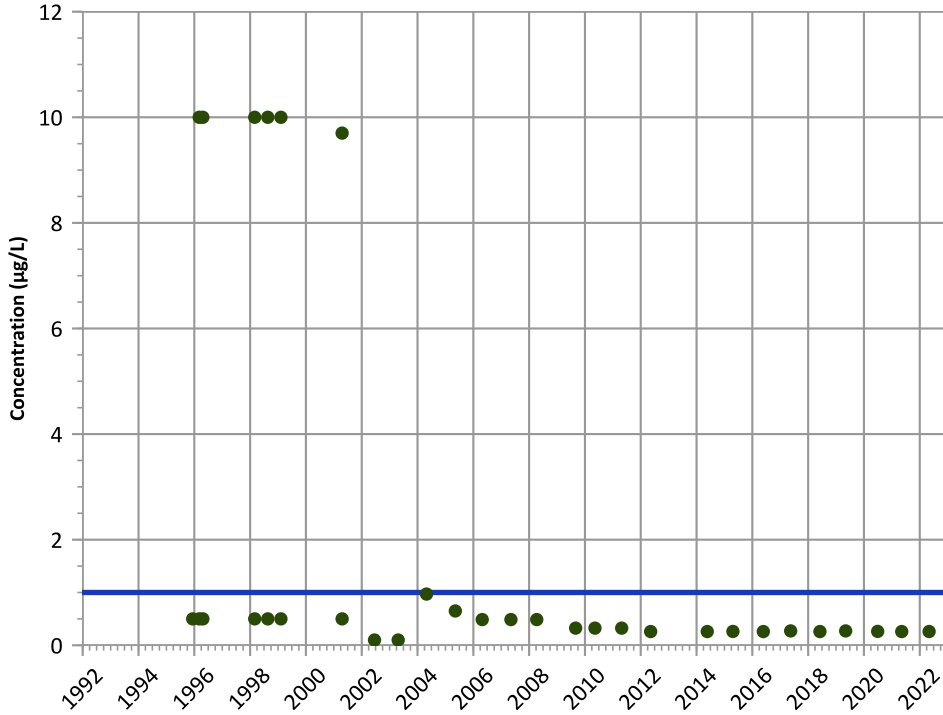
Well Location





PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

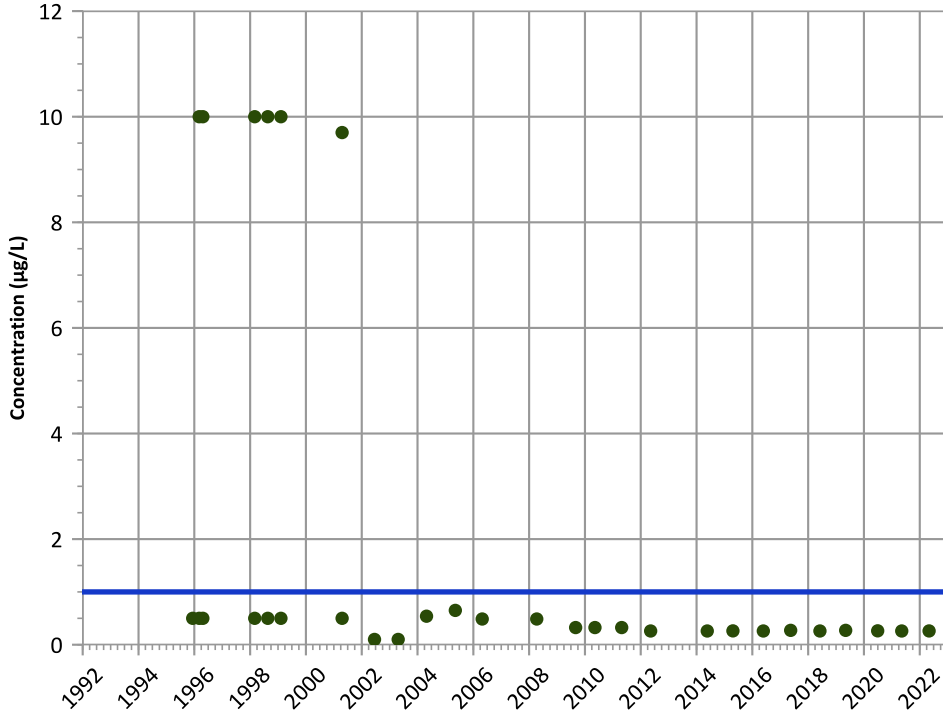
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

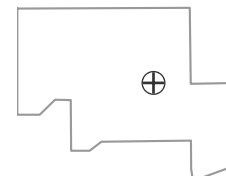
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

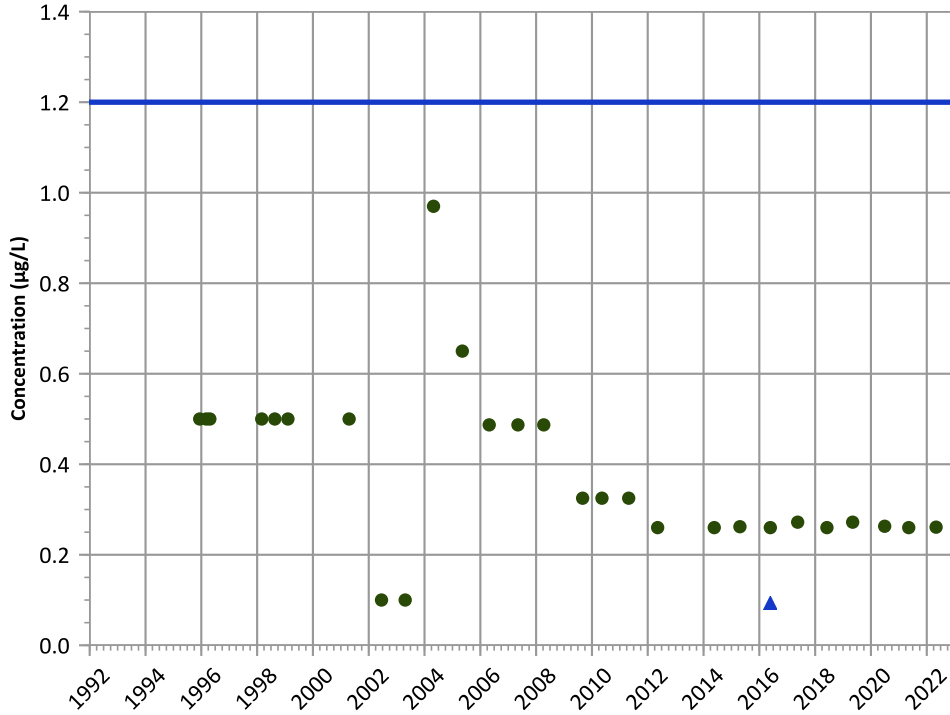
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

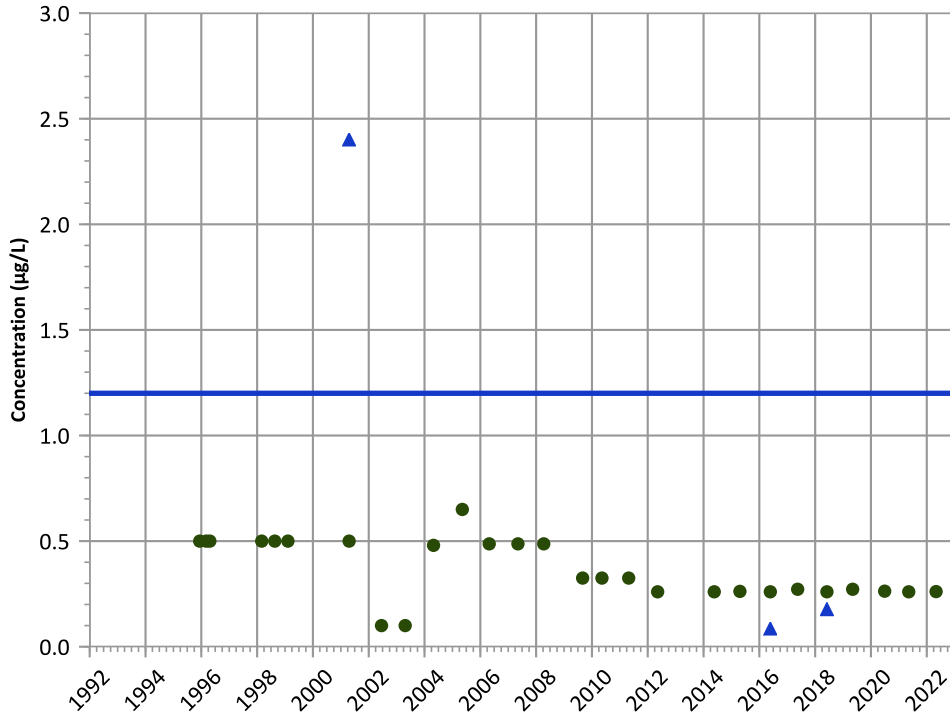


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend

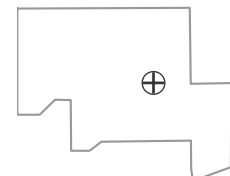


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

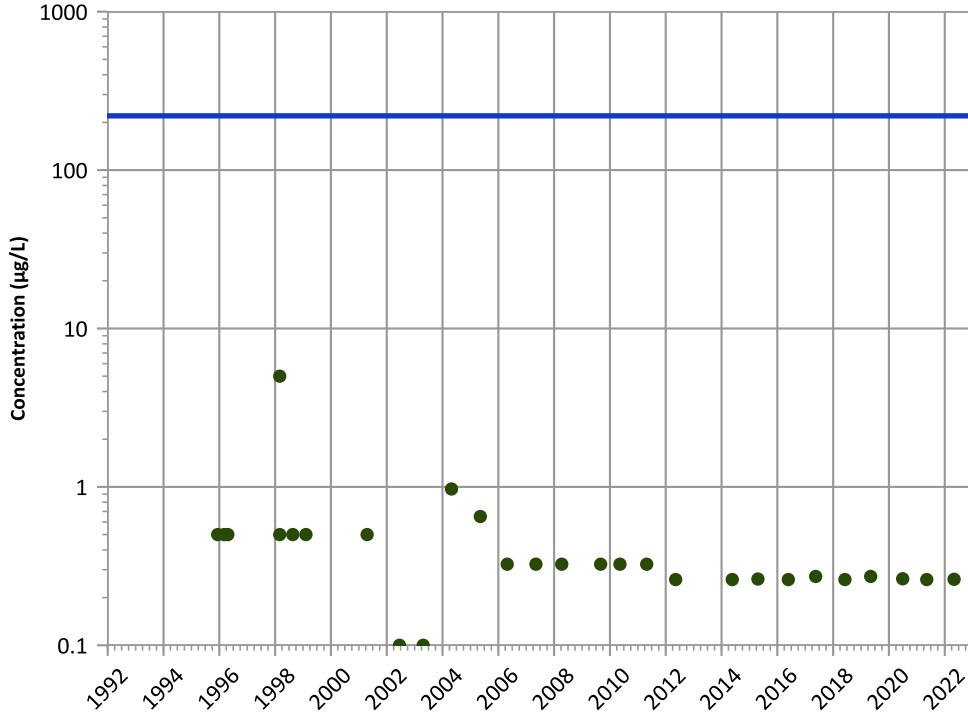


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

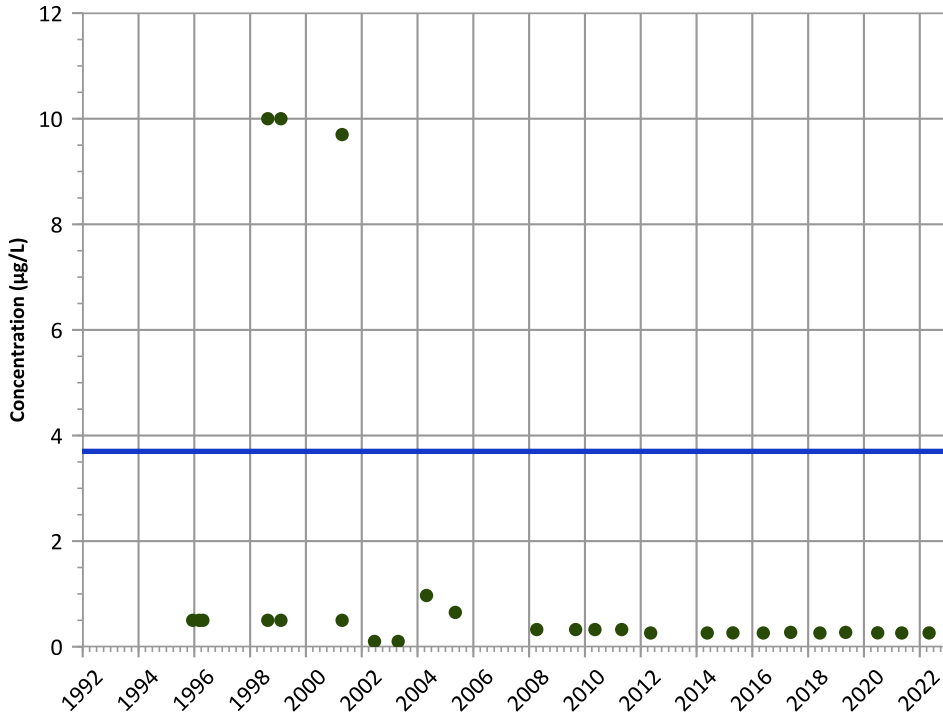
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

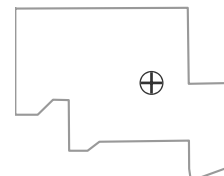
2020 - 2022 Data:

All Non-Detect

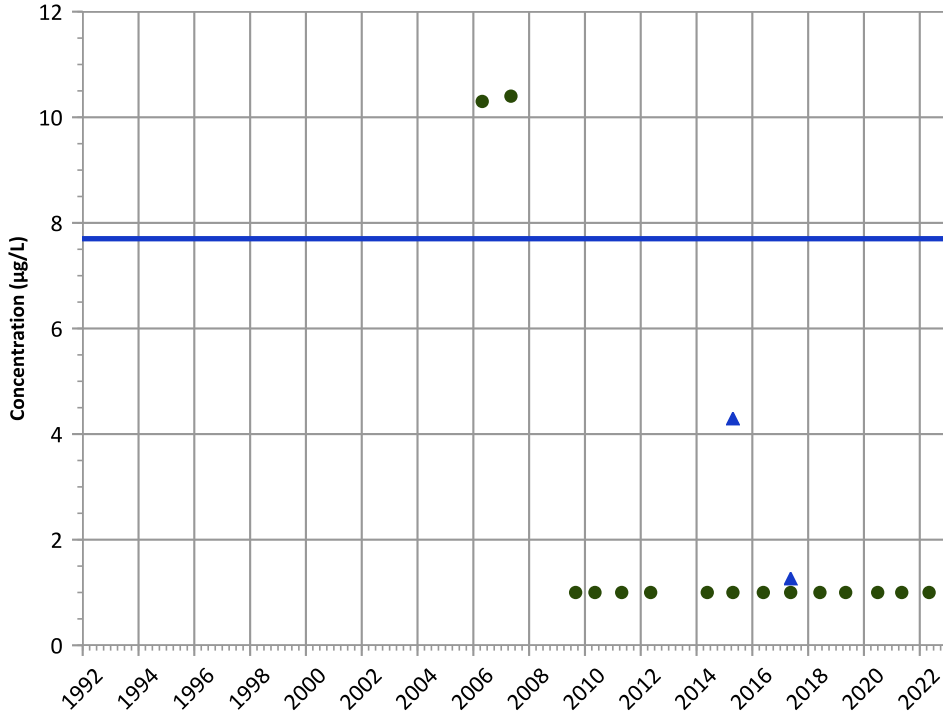
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,4-Dioxane (p-Dioxane) Trend**

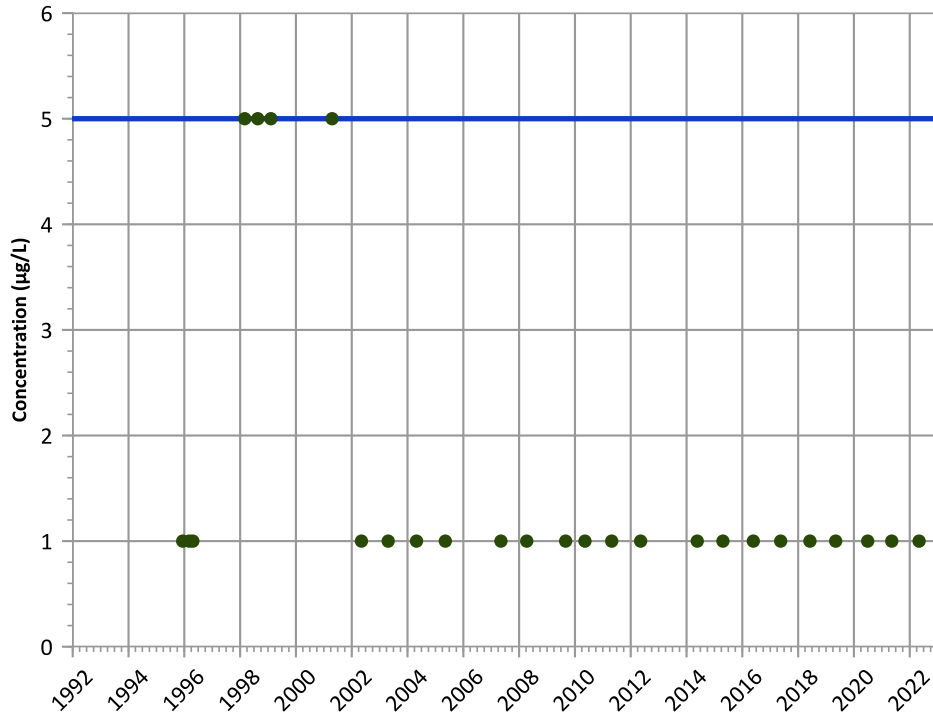


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

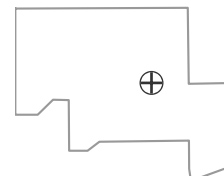
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

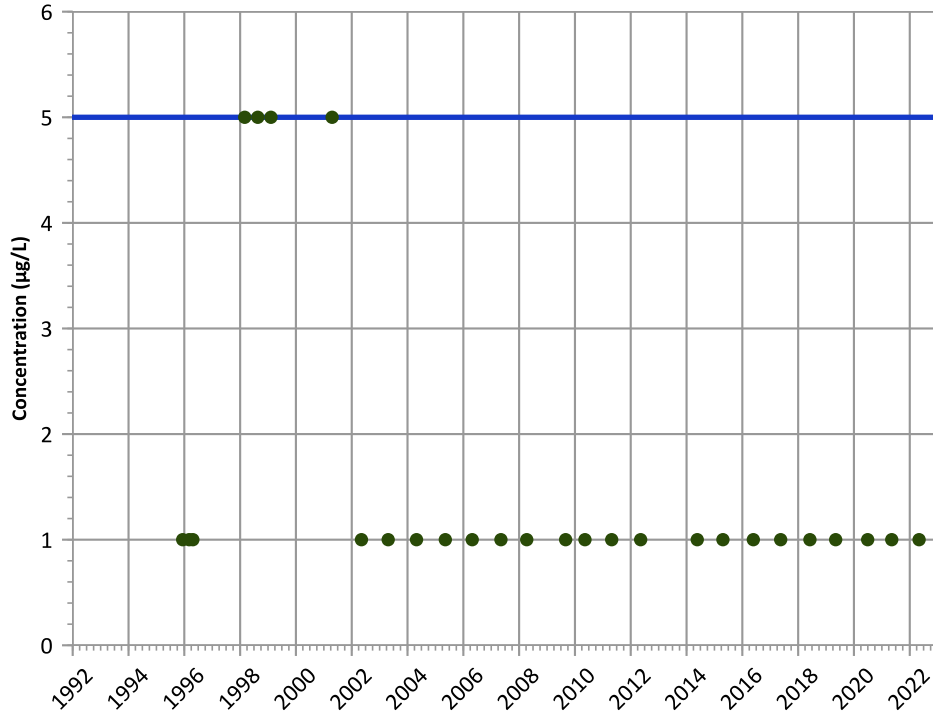
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

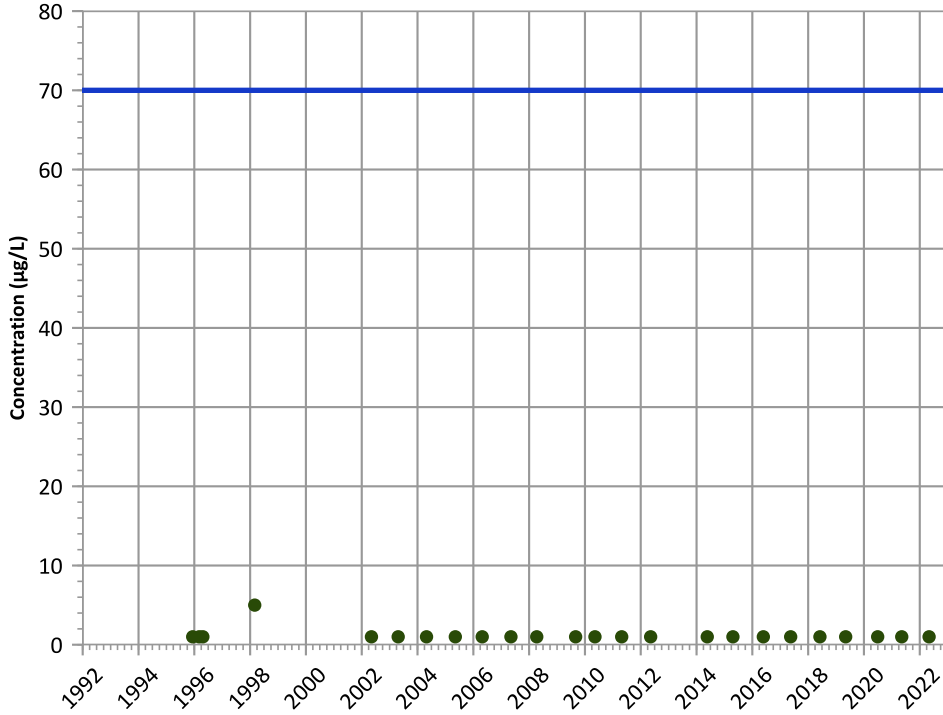
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

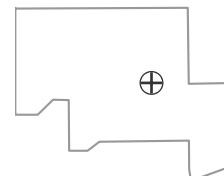
2020 - 2022 Data:

All Non-Detect

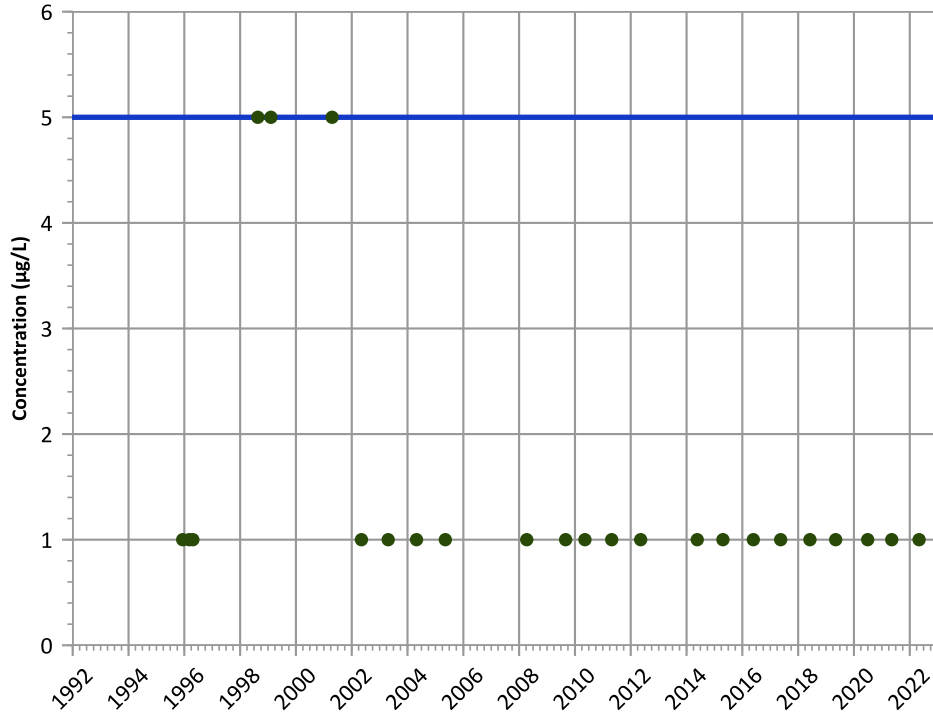
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

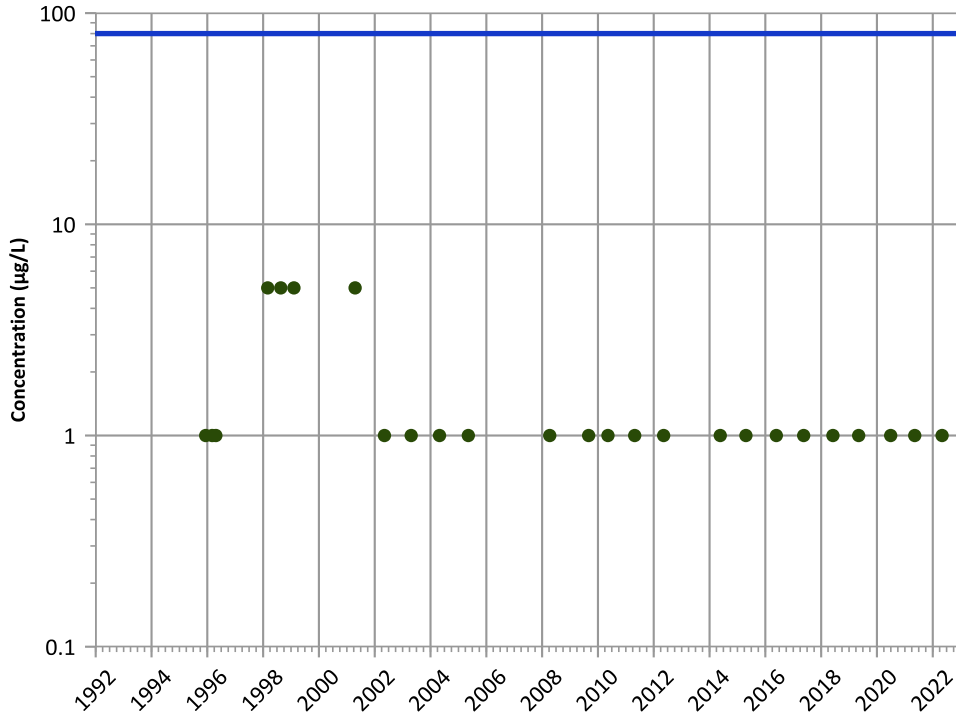
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

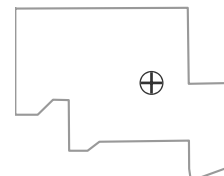
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

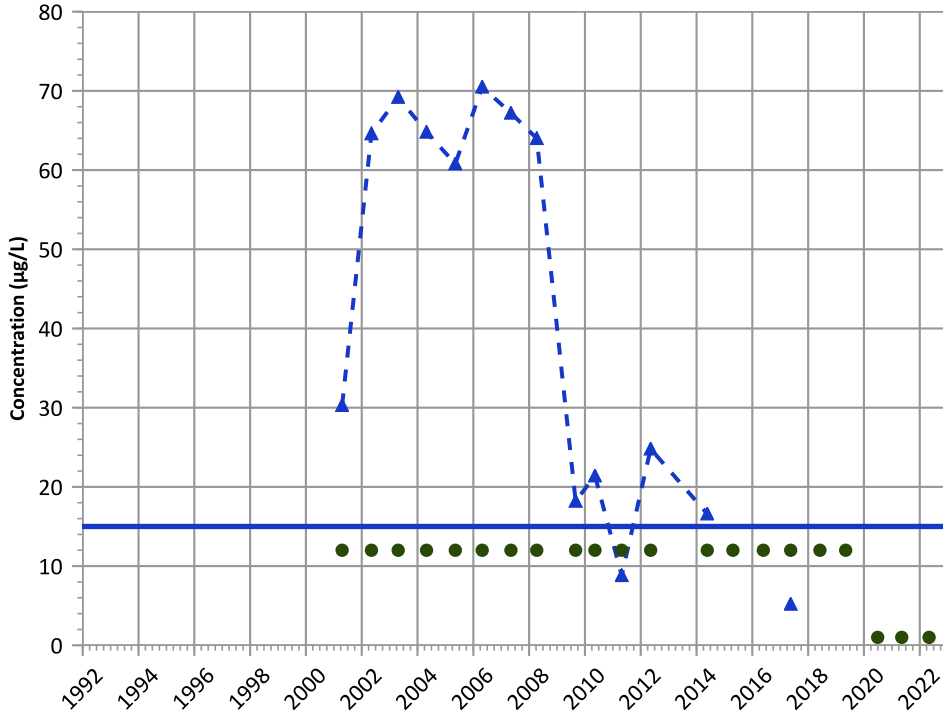
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

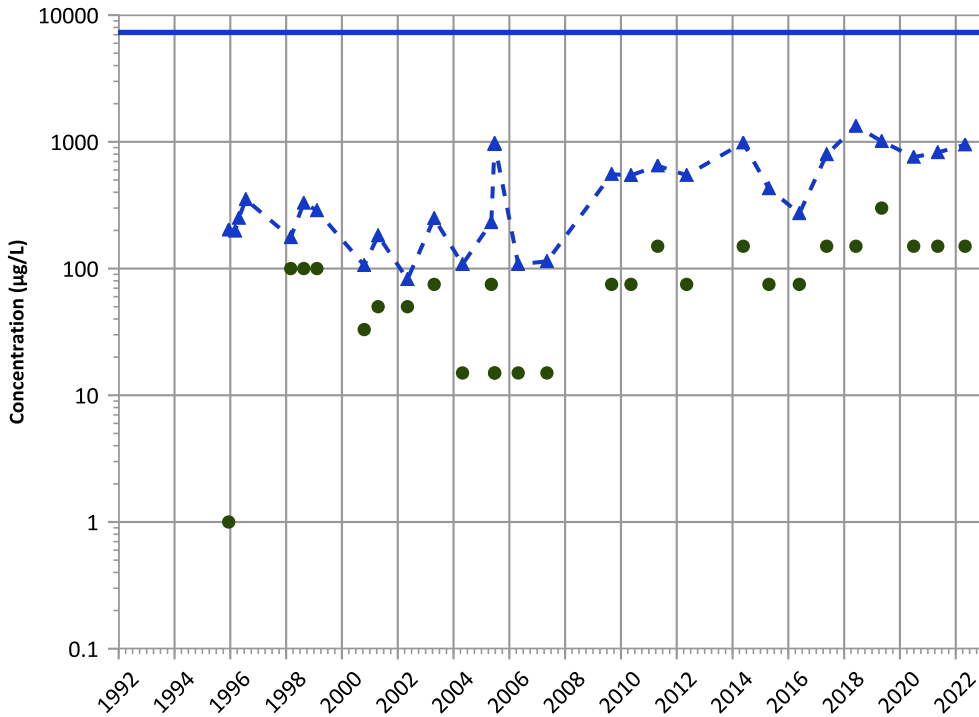


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Boron Trend



Concentration Trend

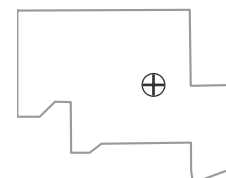
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

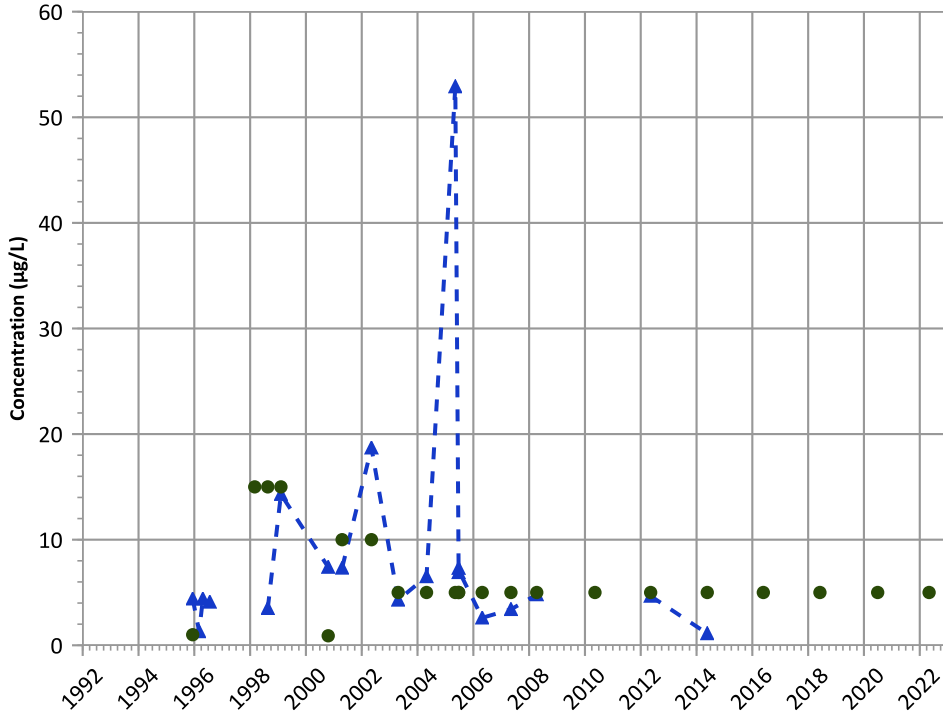
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

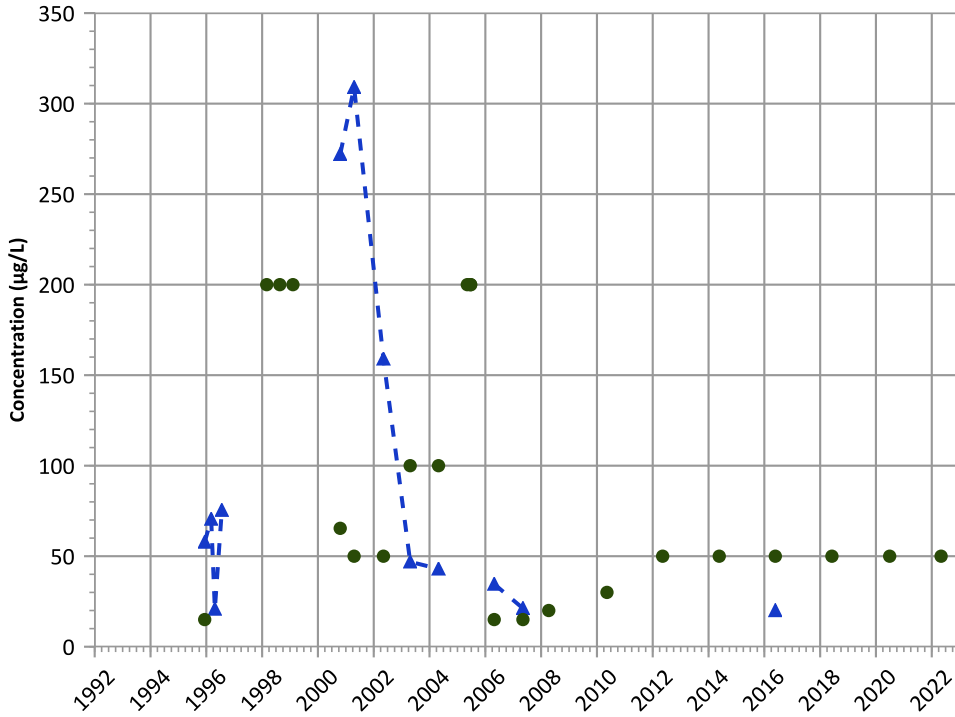


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

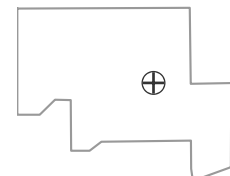
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

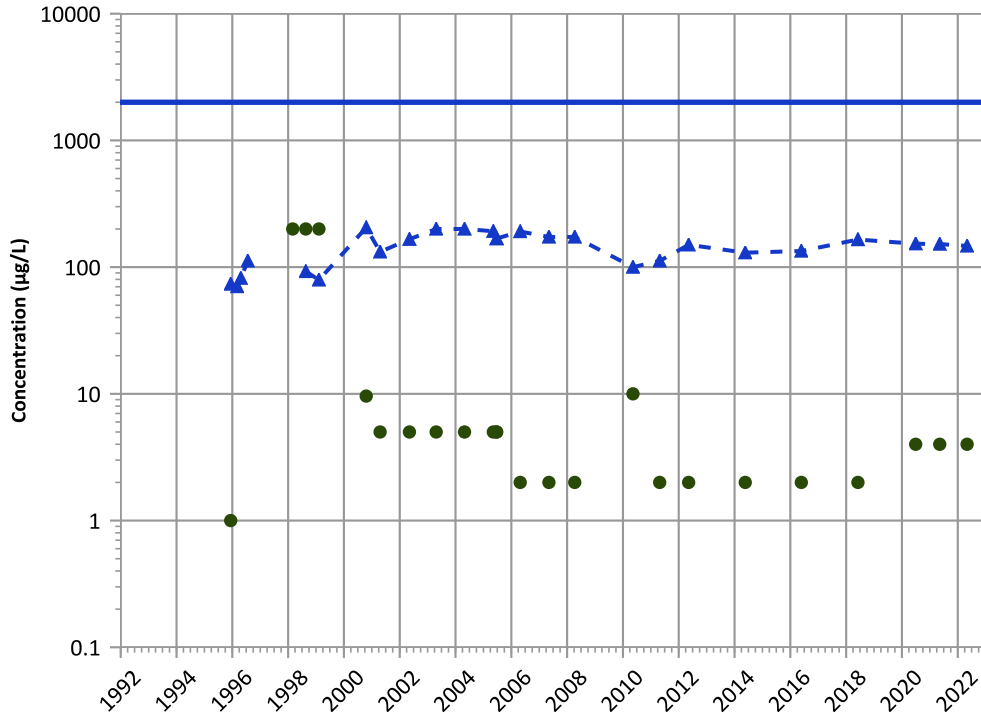
Well Location





PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

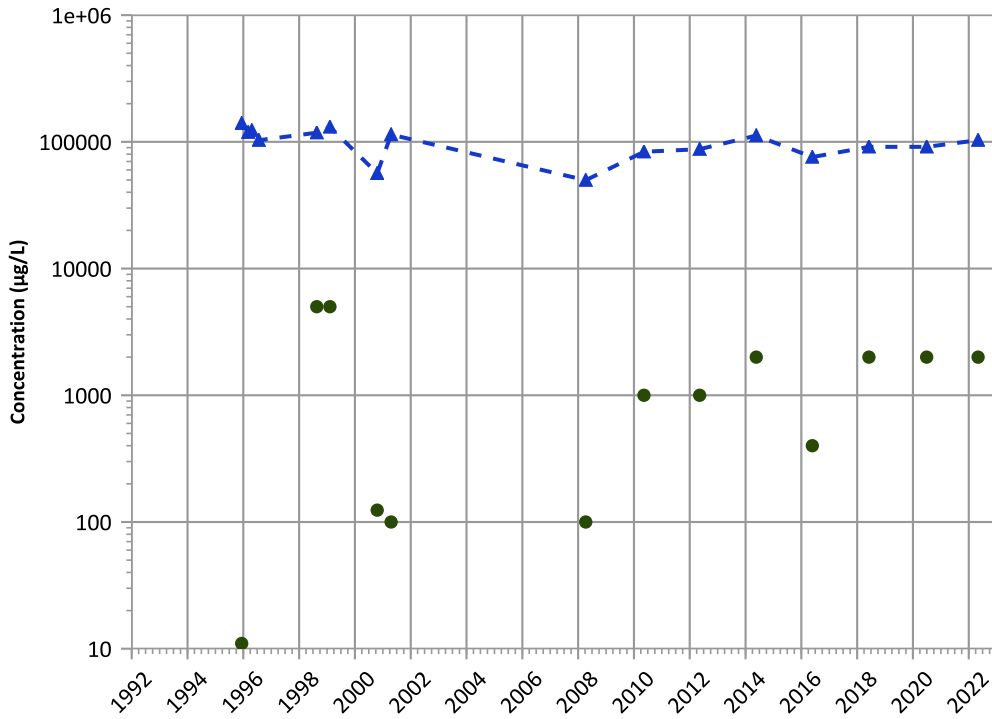


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Calcium Trend



Concentration Trend

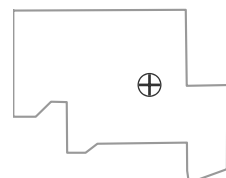
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

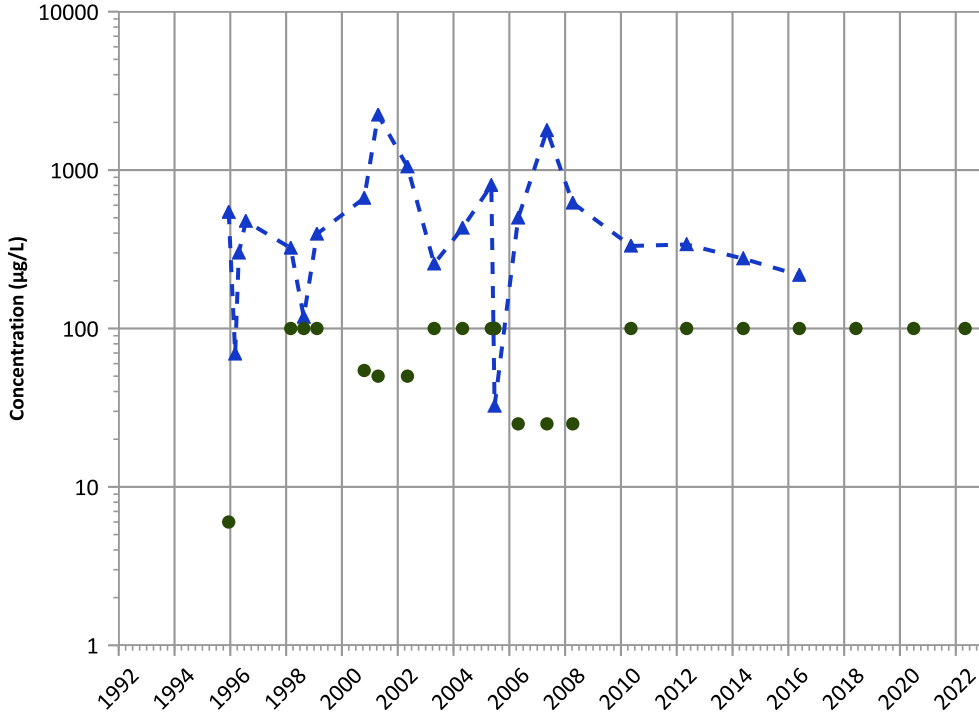
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

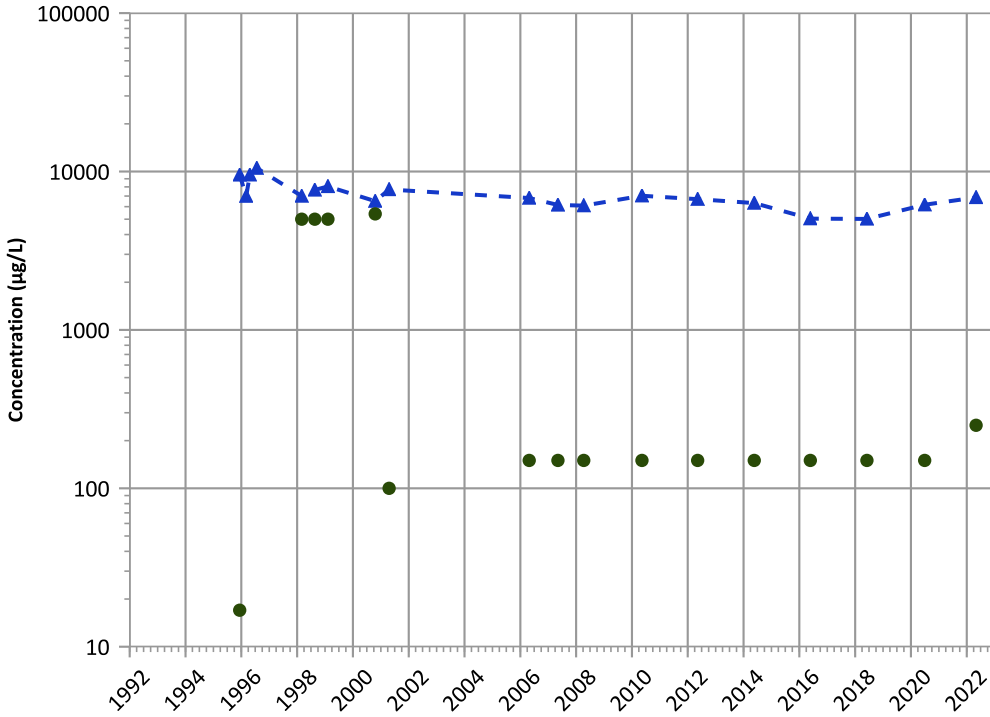


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Potassium Trend



Concentration Trend

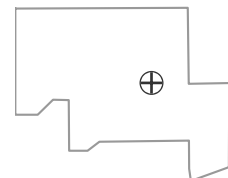
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

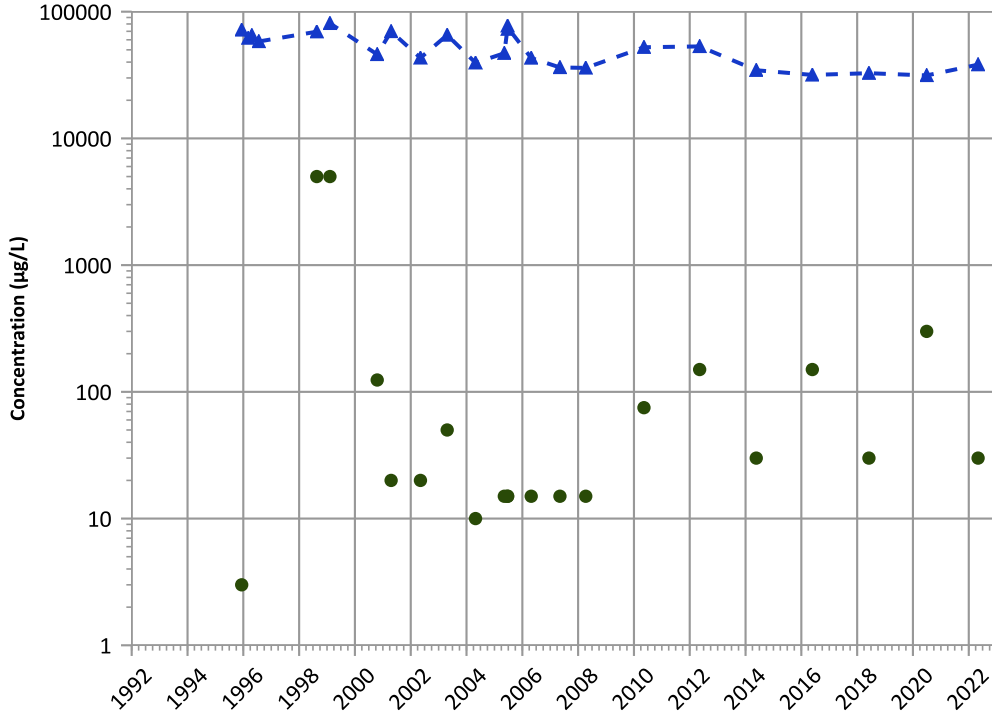
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

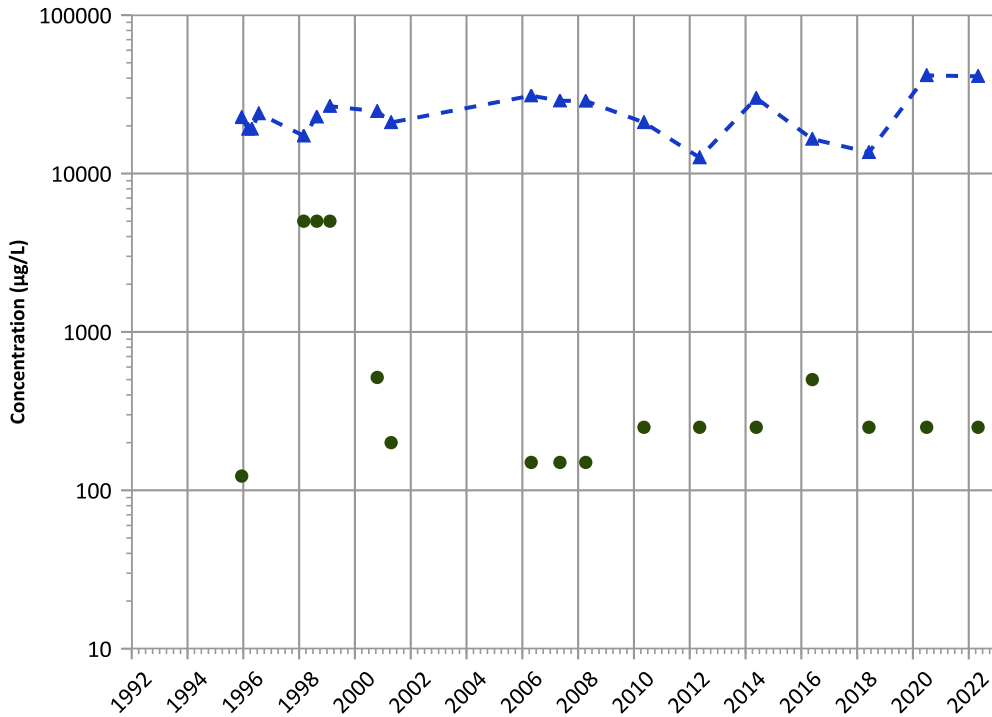


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Sodium Trend



Concentration Trend

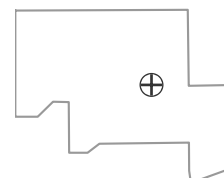
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

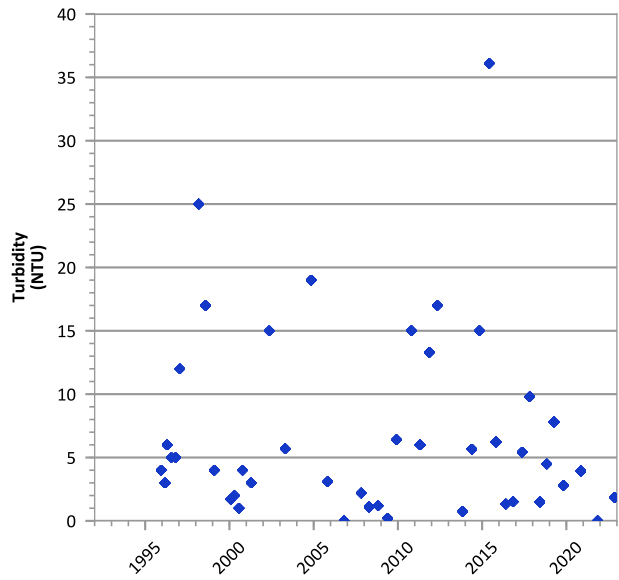
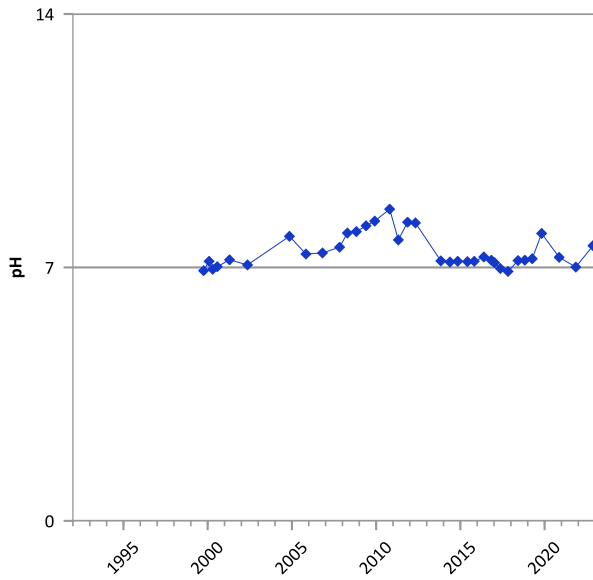
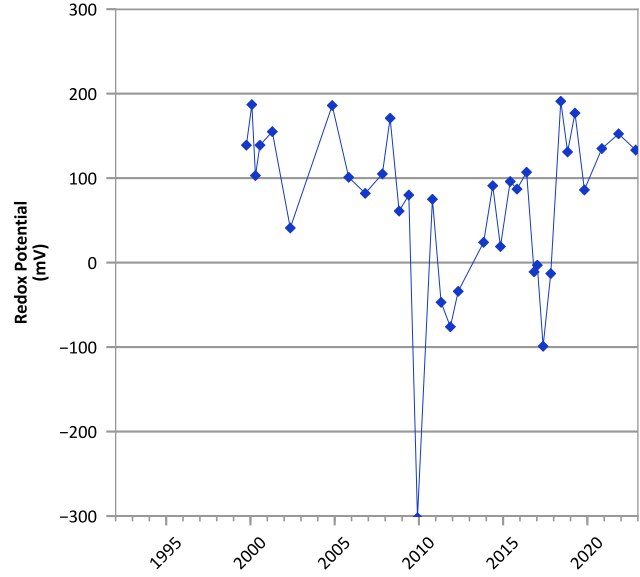
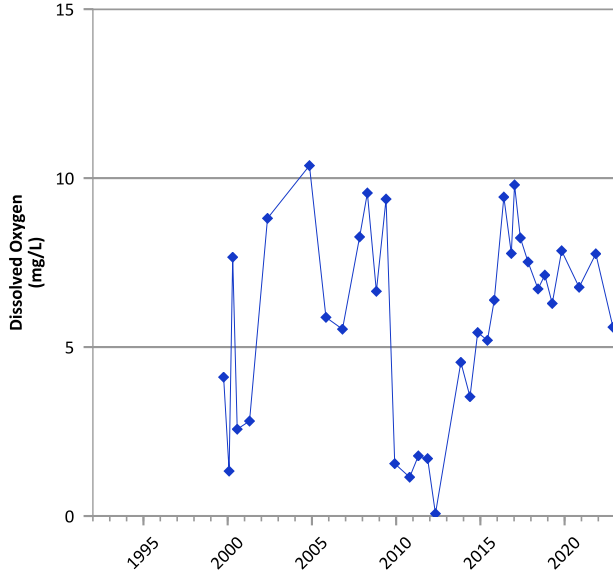
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/11/1995 to 05/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

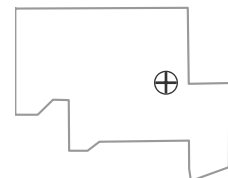


**PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



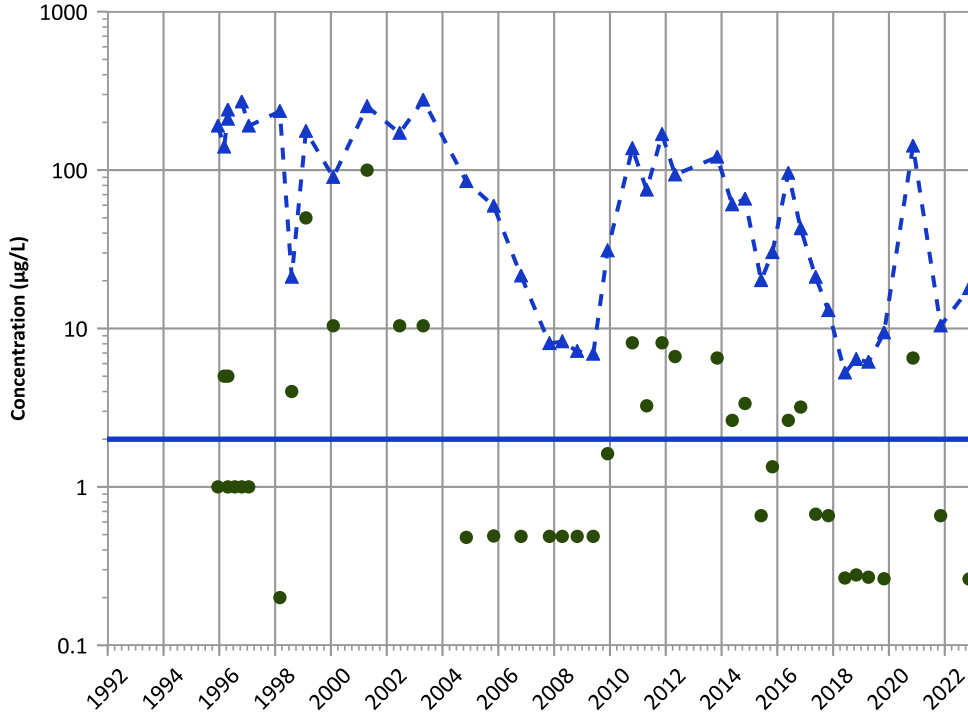
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/14/1995 to 11/15/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

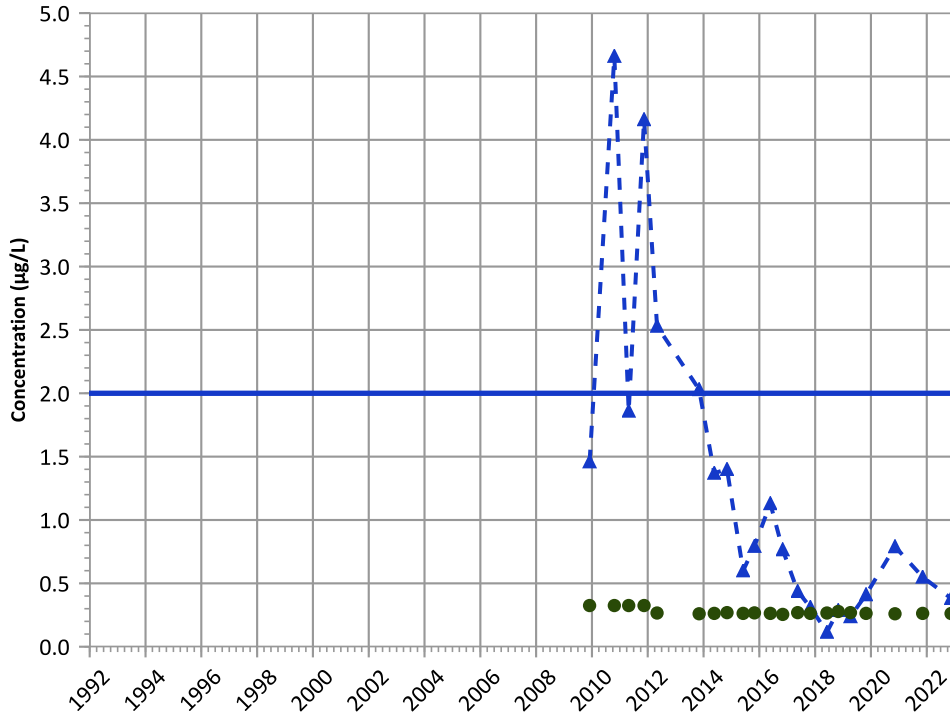


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

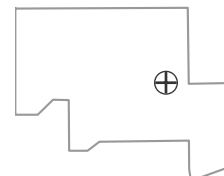
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

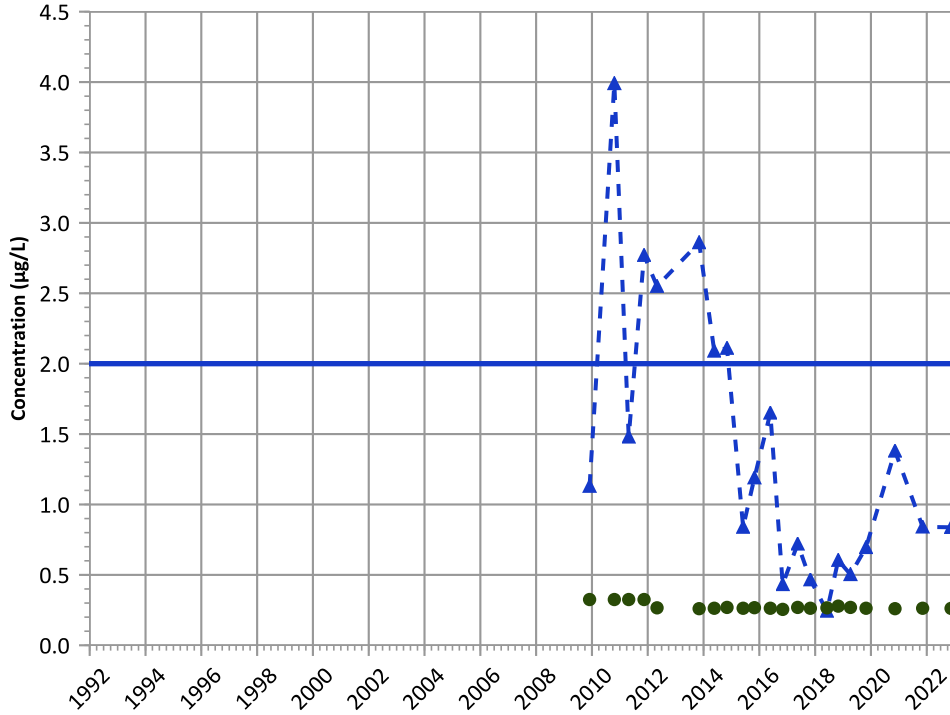
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

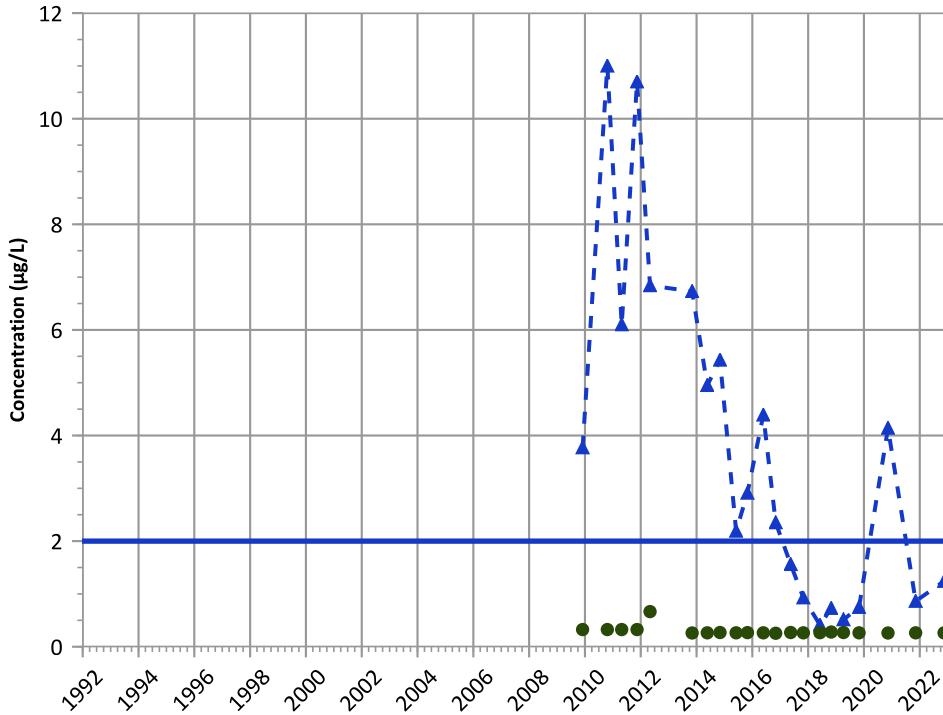


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

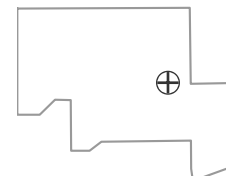


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

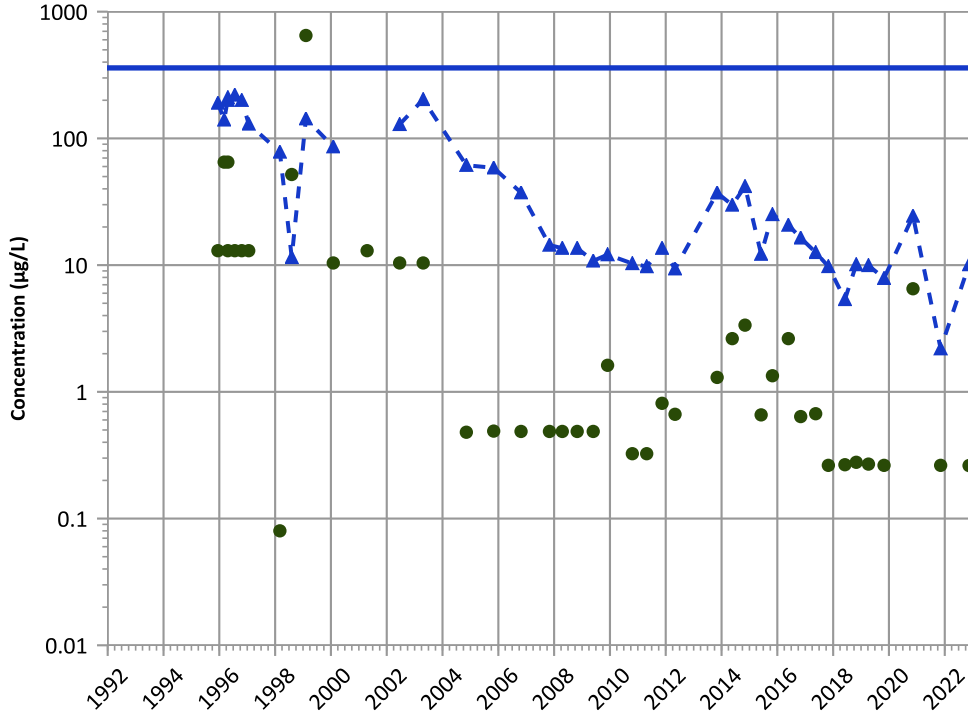


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

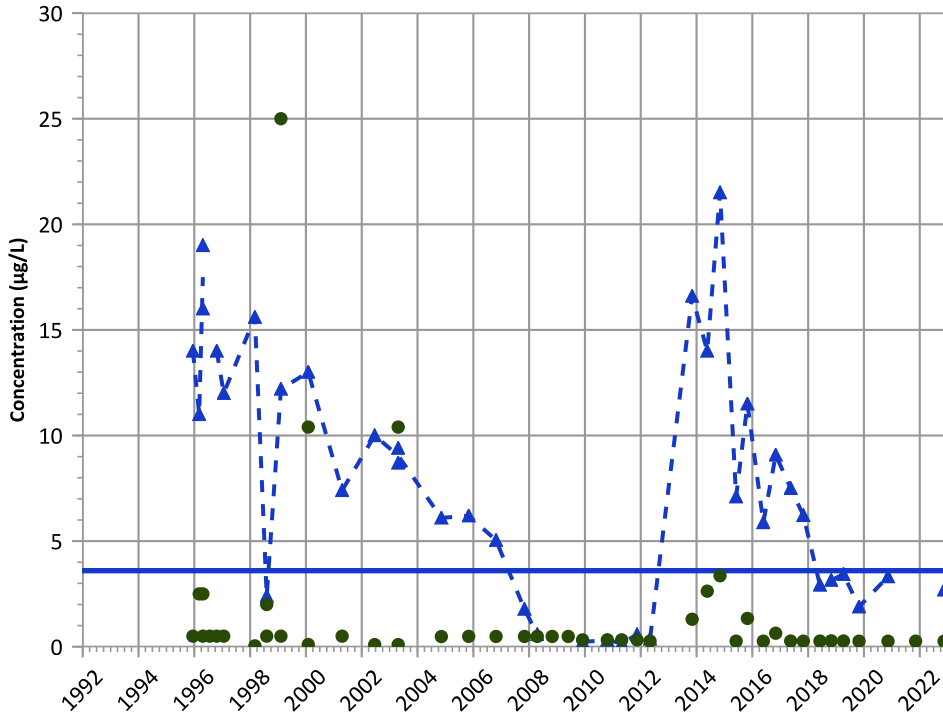
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

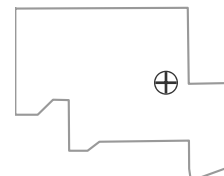
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

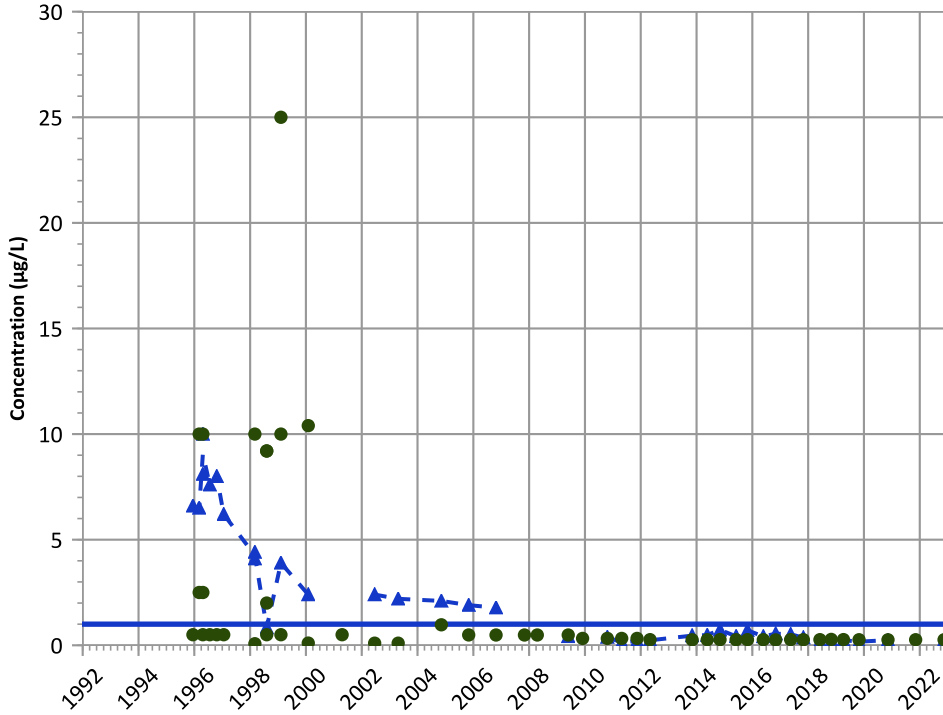
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

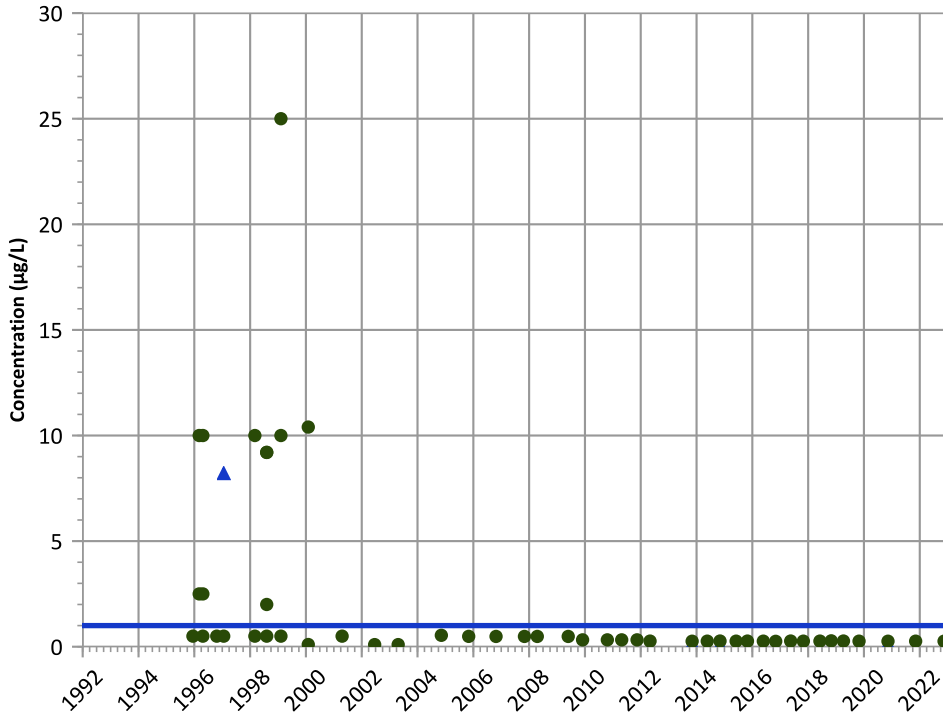


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

2,6-Dinitrotoluene Trend

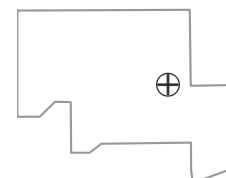


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

Well Location



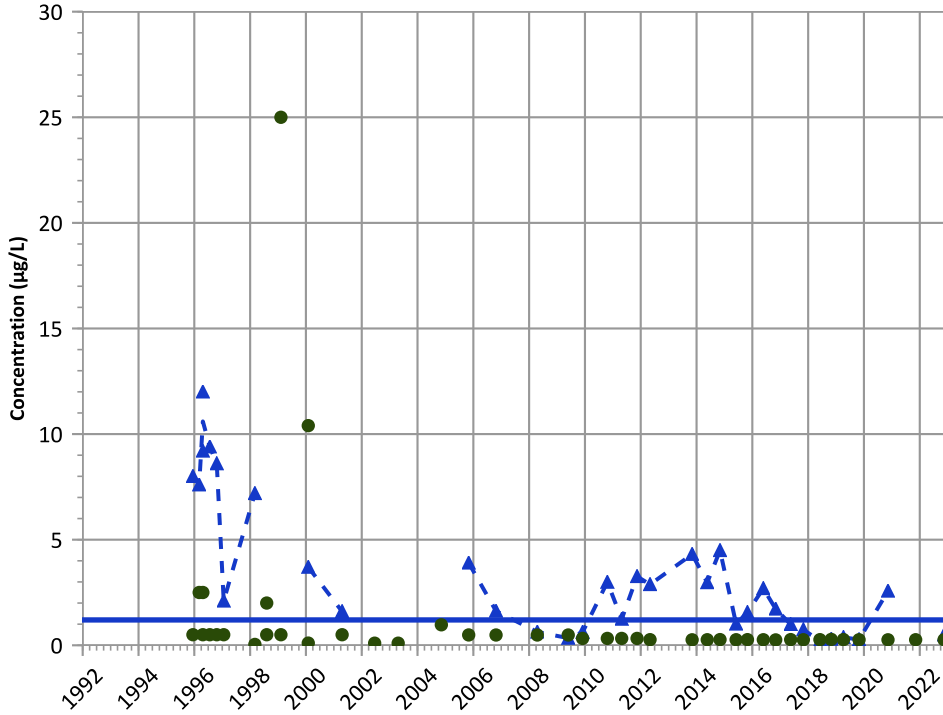
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

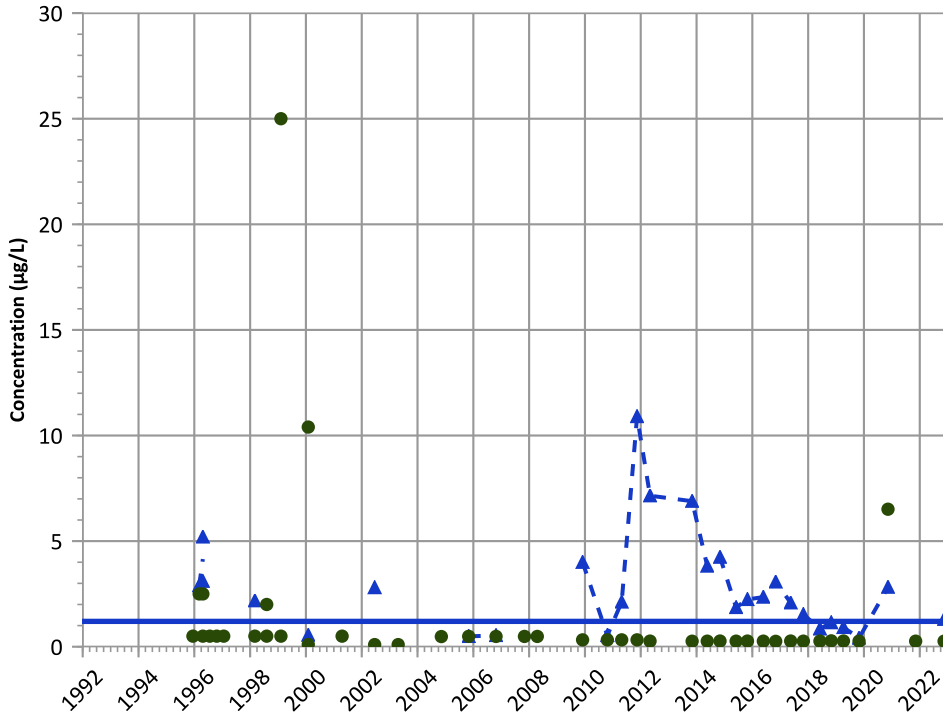


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

4-Amino-2,6-Dinitrotoluene Trend

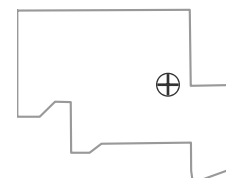


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

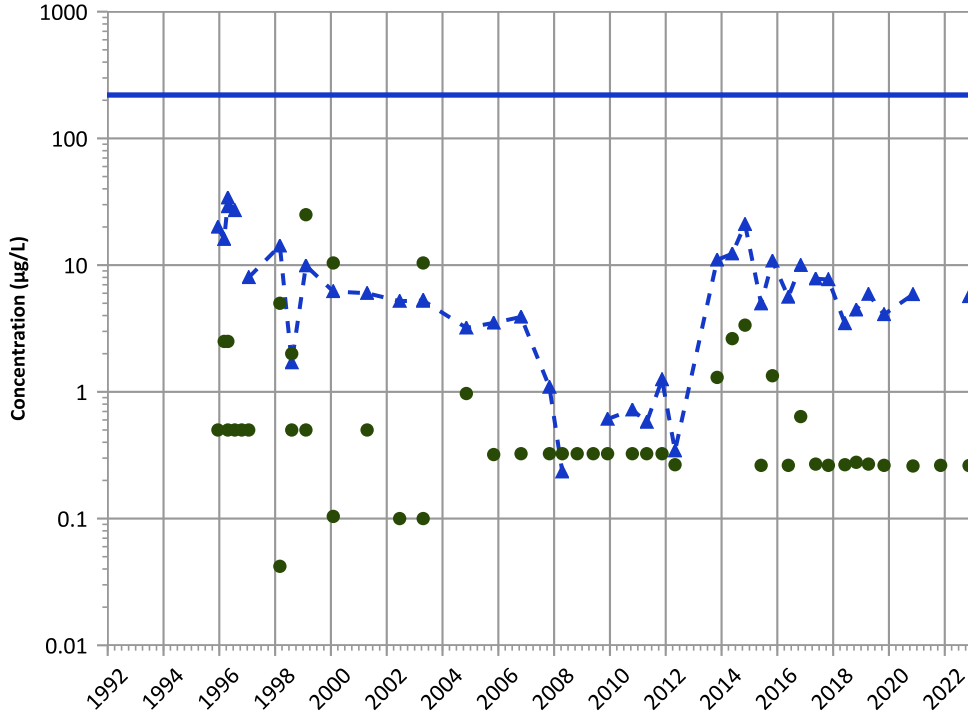


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

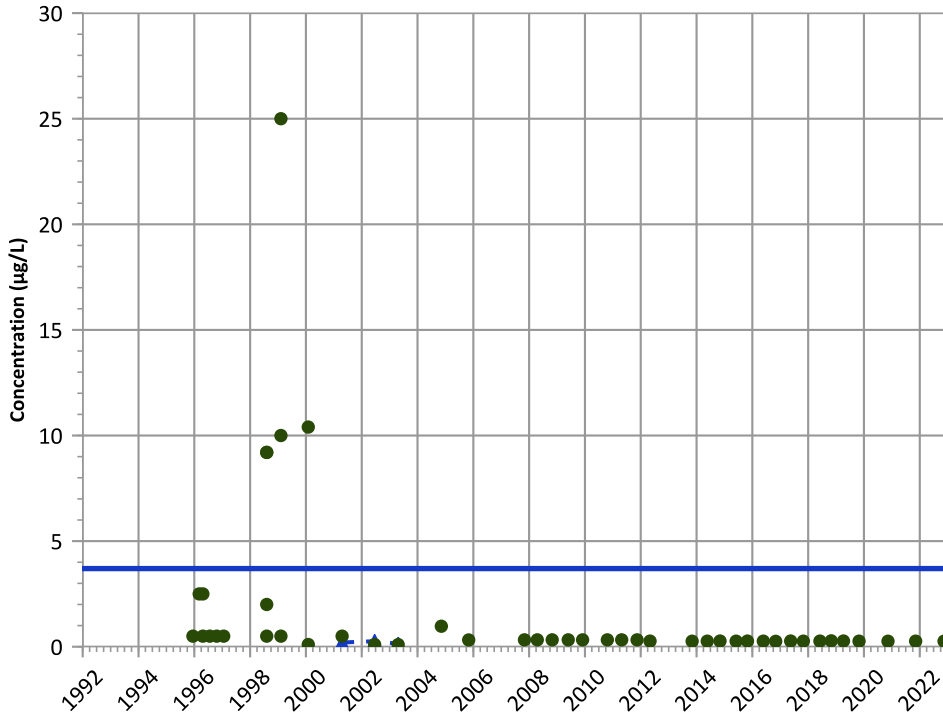
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

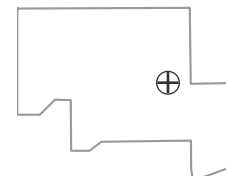
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

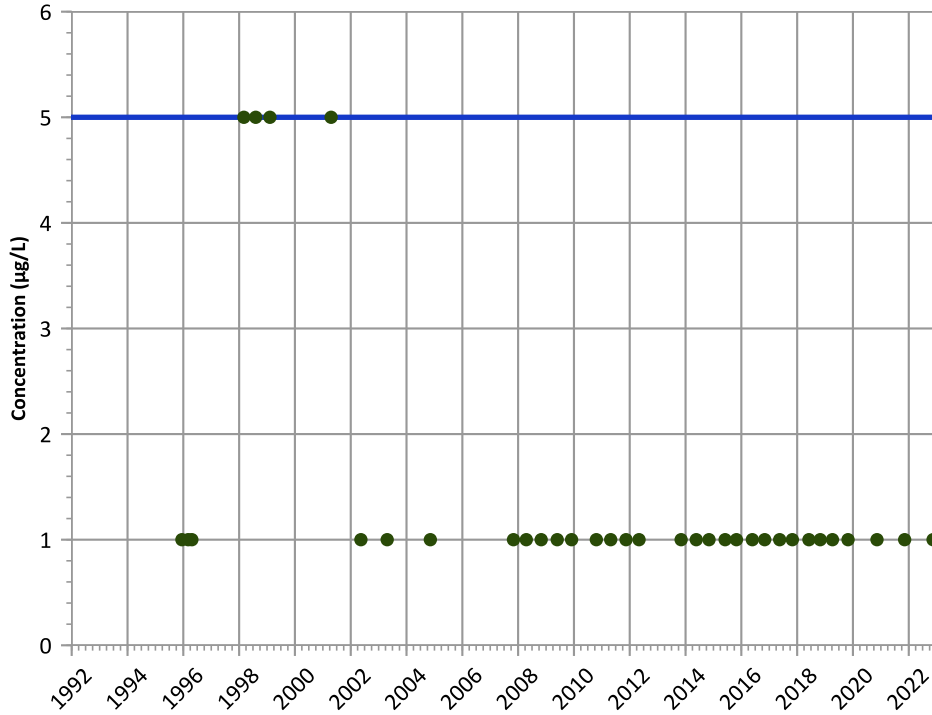
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

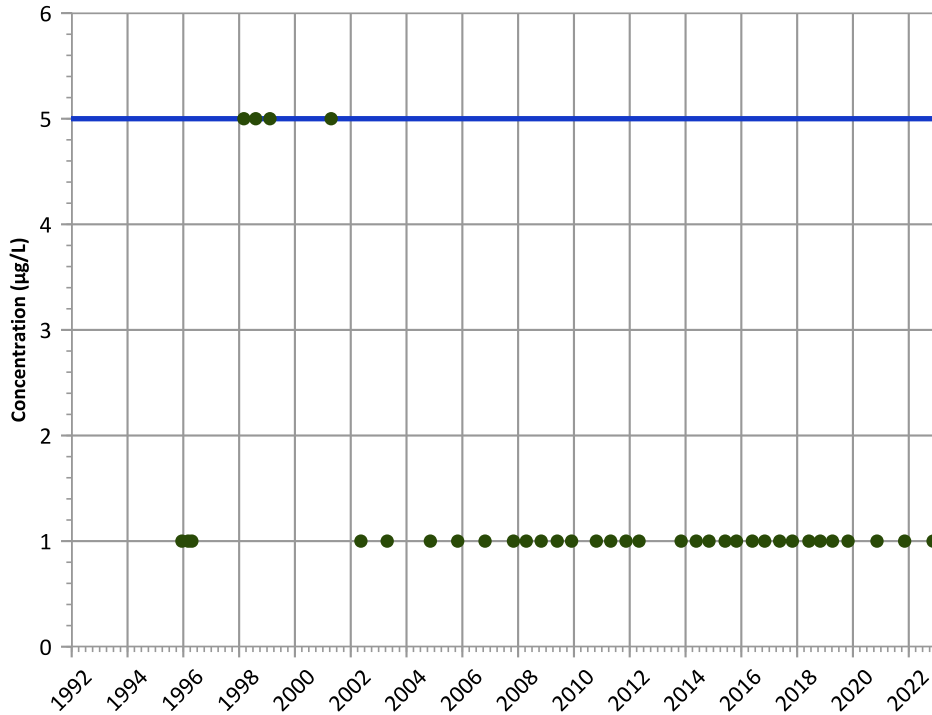
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

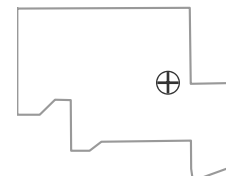
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

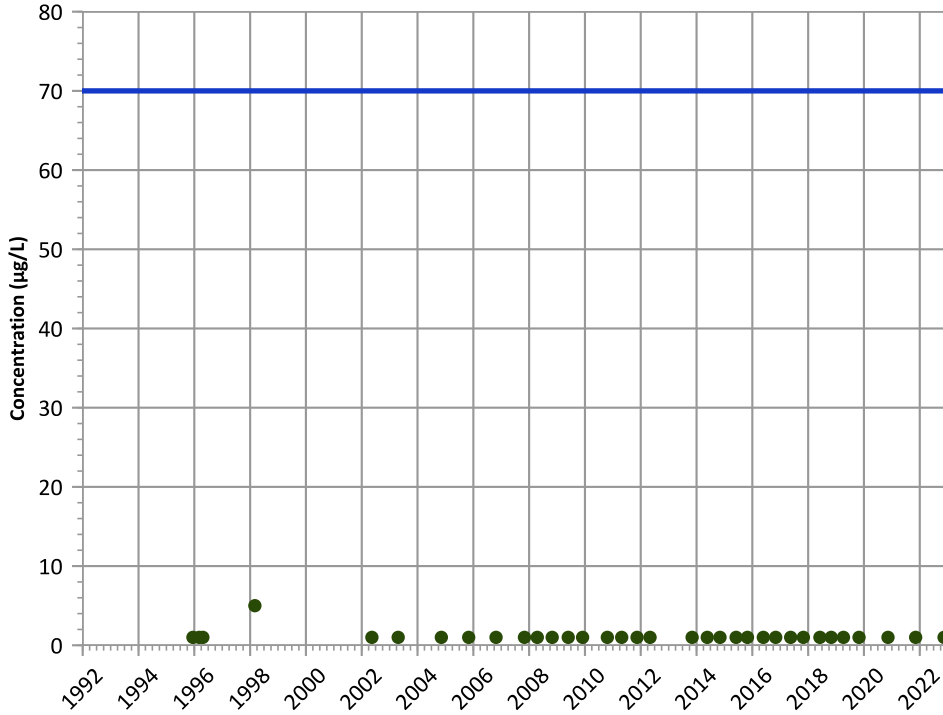
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

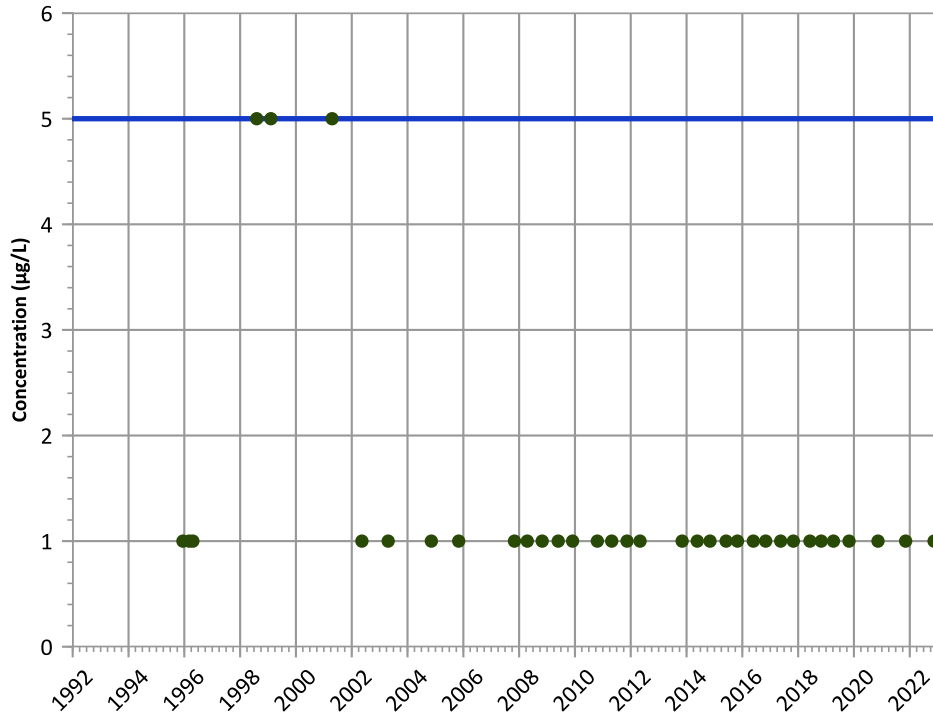
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

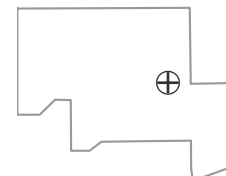
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

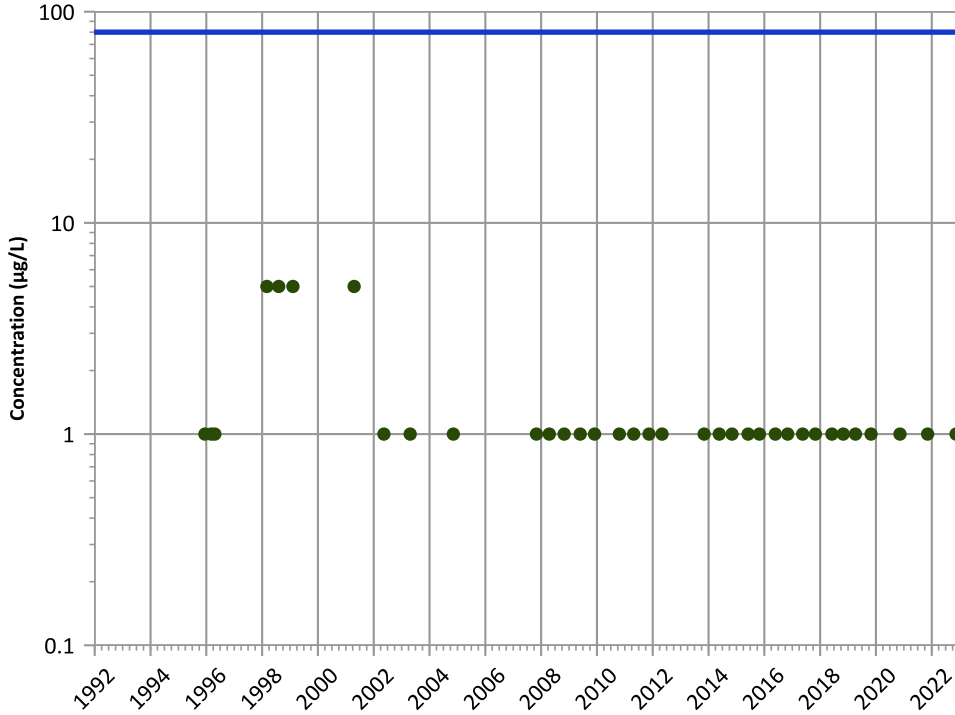


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

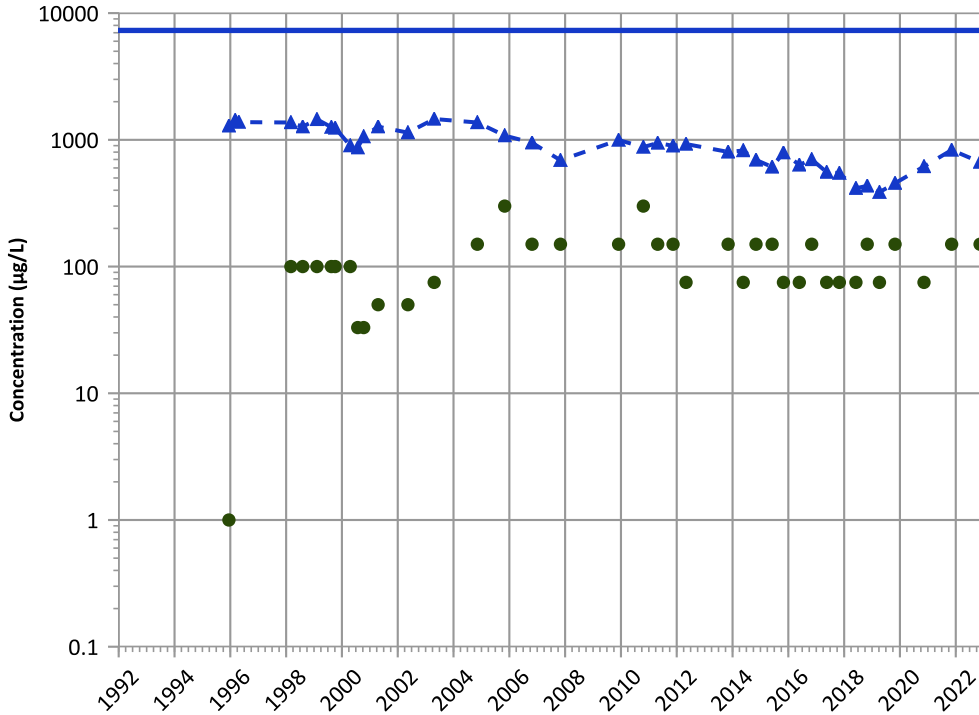


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Boron Trend



Concentration Trend

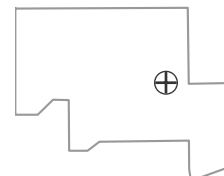
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

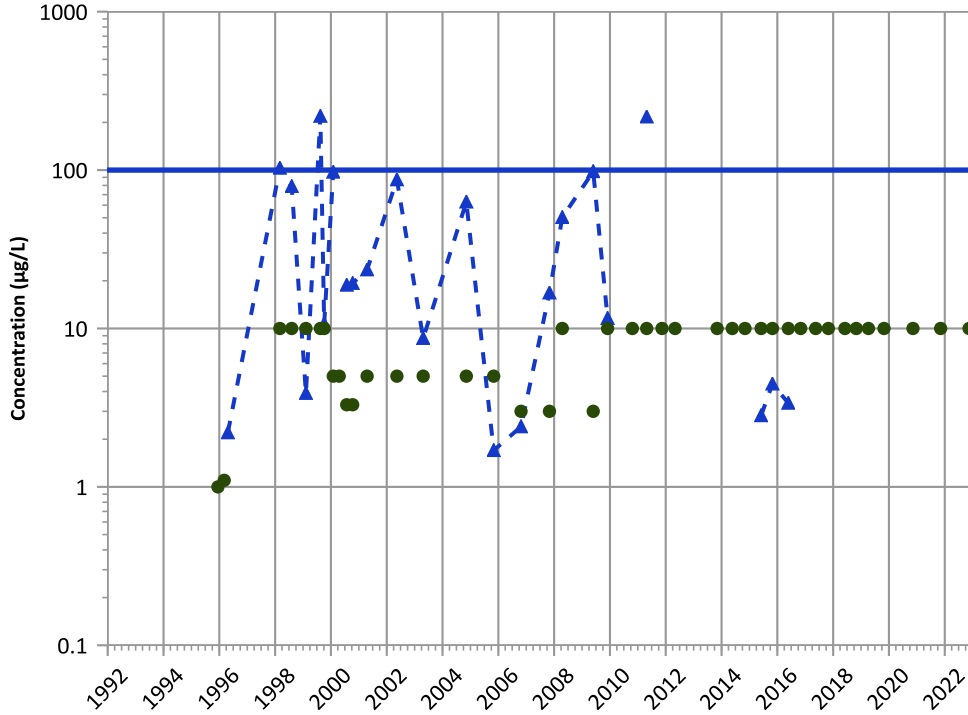
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

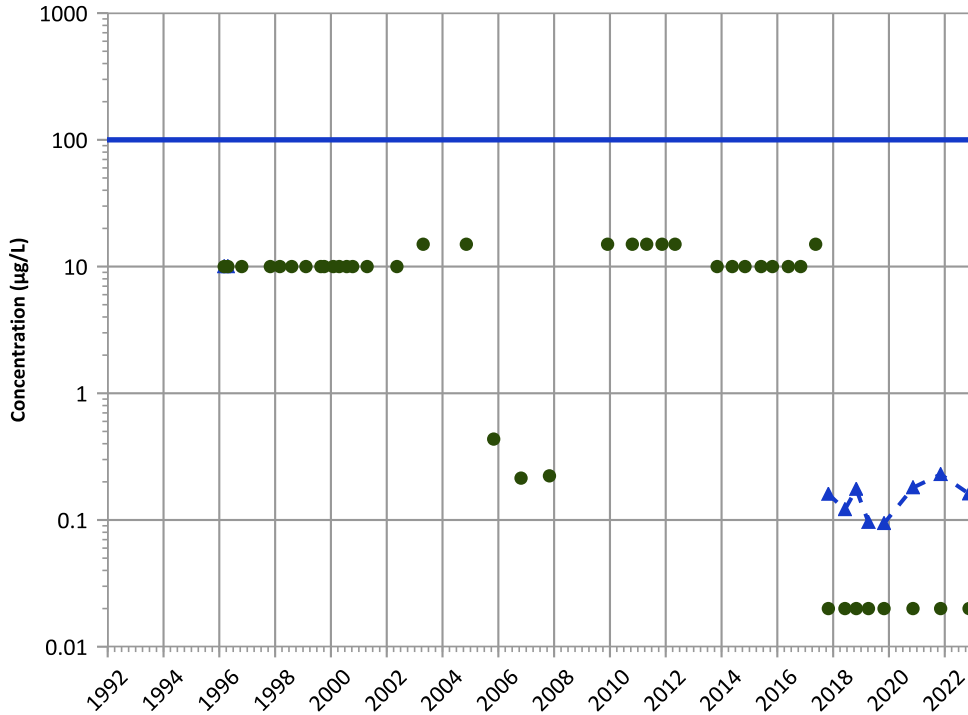


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Chromium, Hexavalent Trend



Concentration Trend

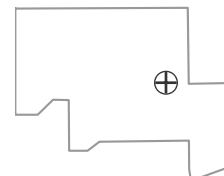
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

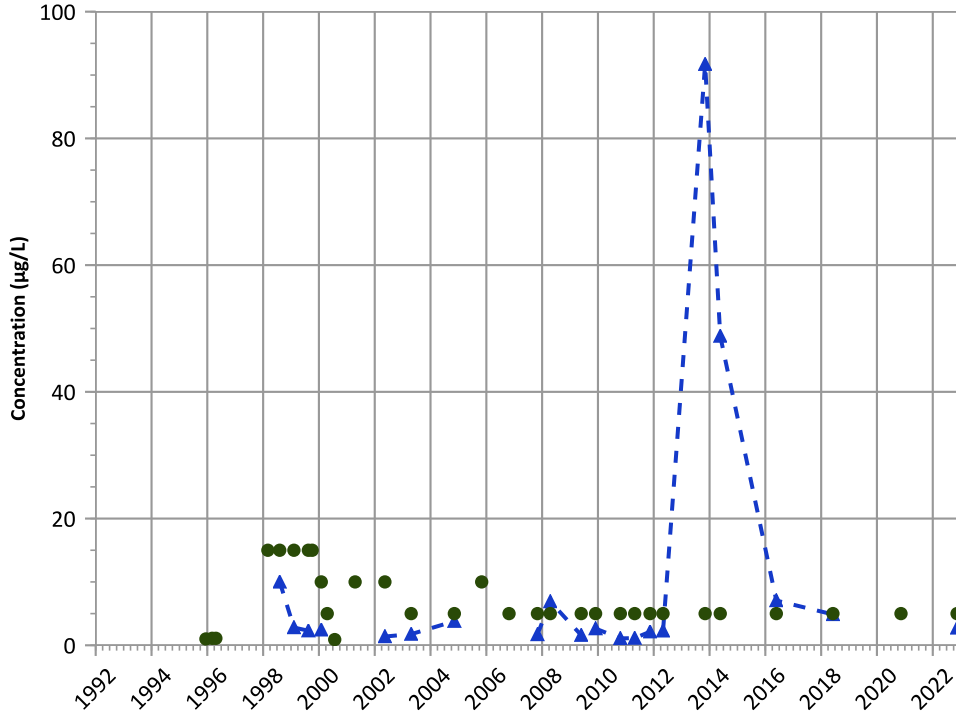
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

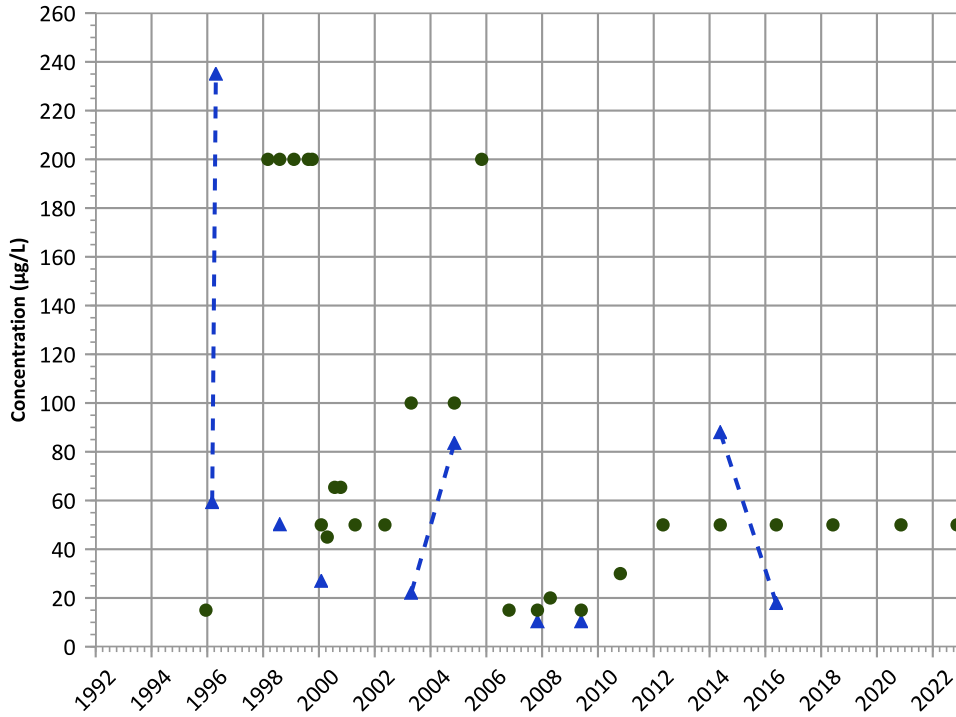


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Aluminum Trend

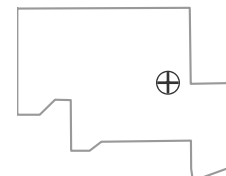


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Well Location

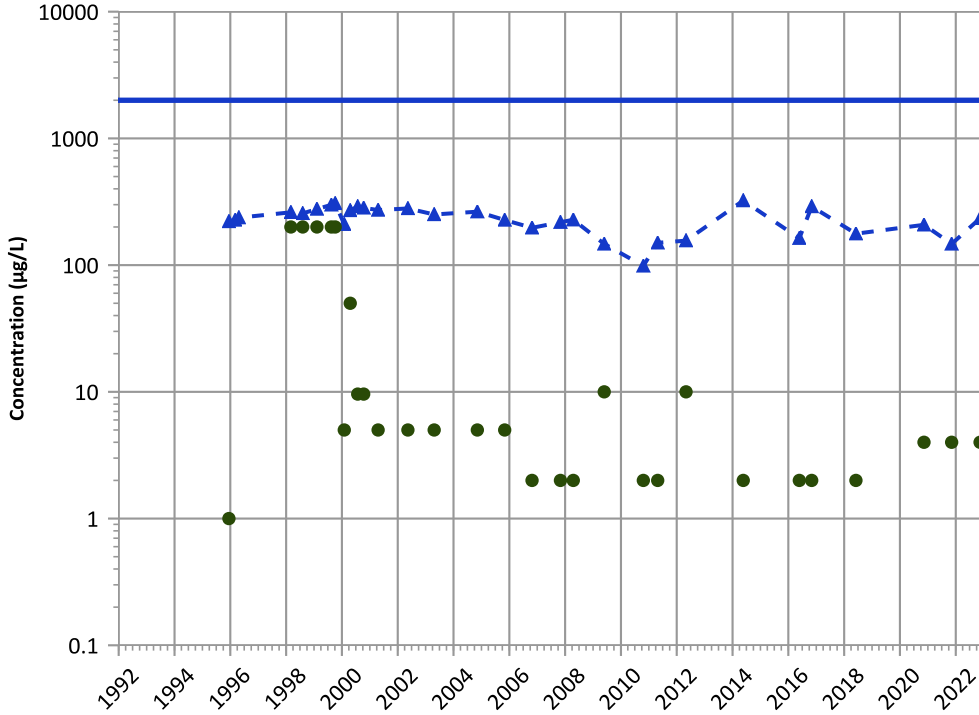


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

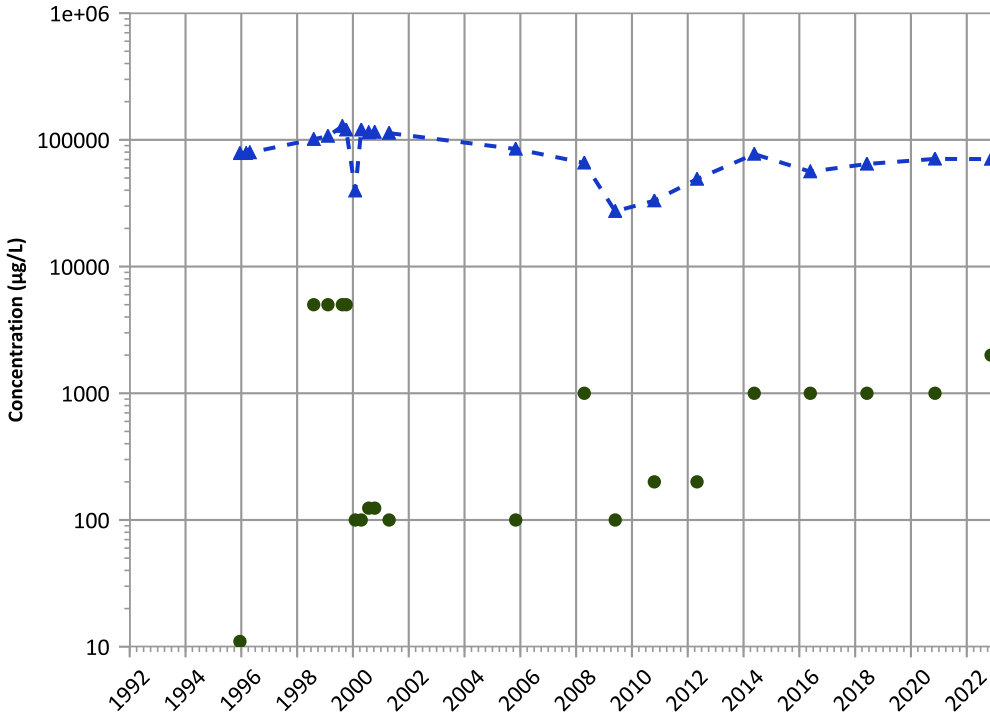


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

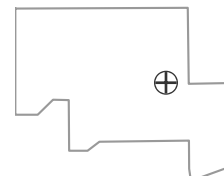
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

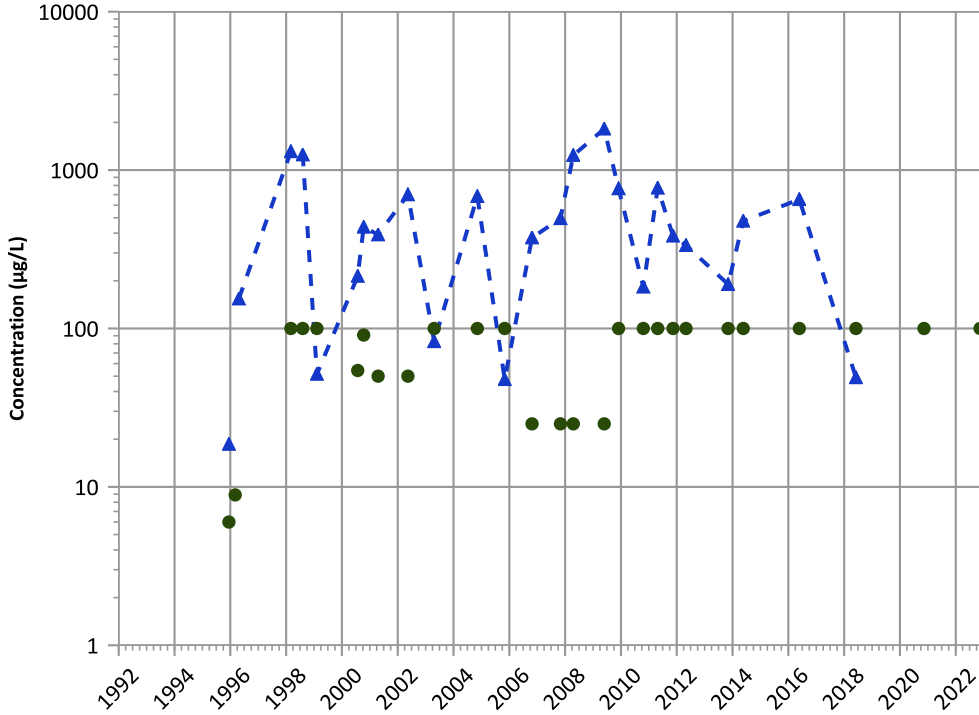
Well Location





PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

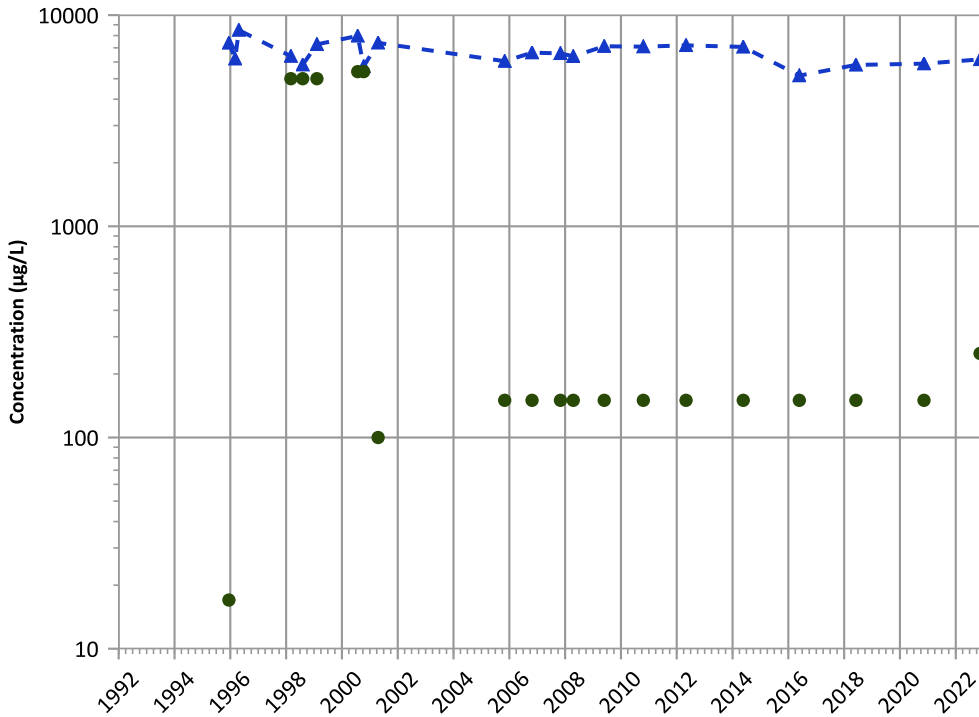


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

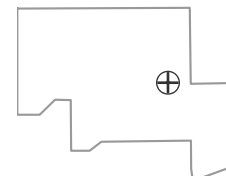
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

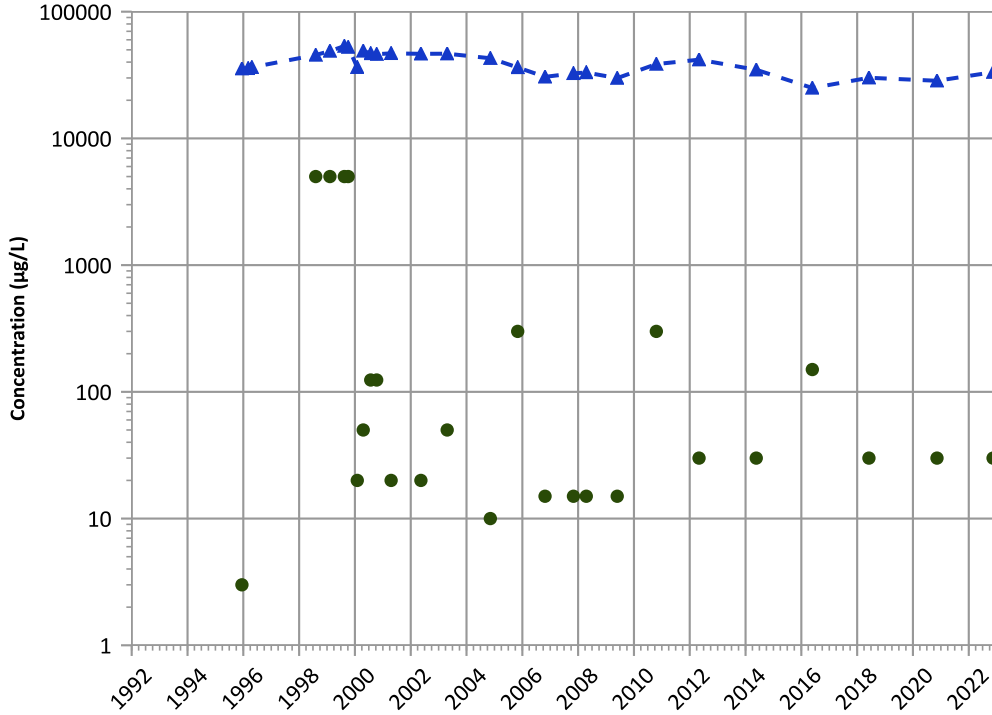
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

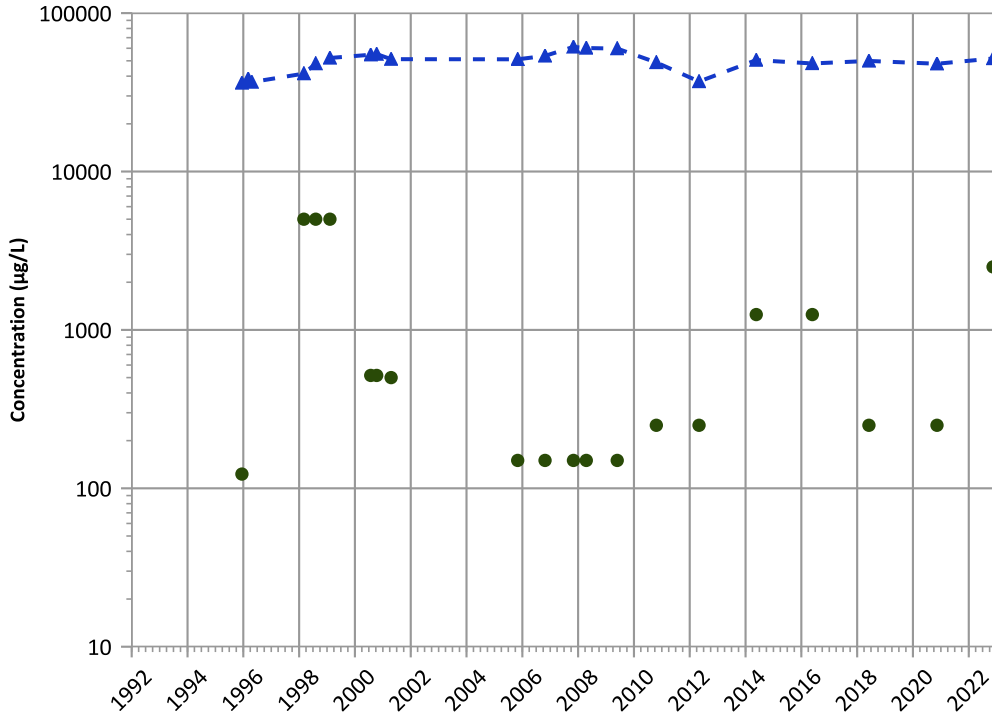
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Probably Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

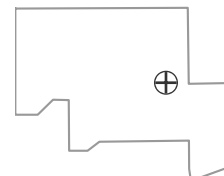
2020 - 2022 Data:

Probably Increasing

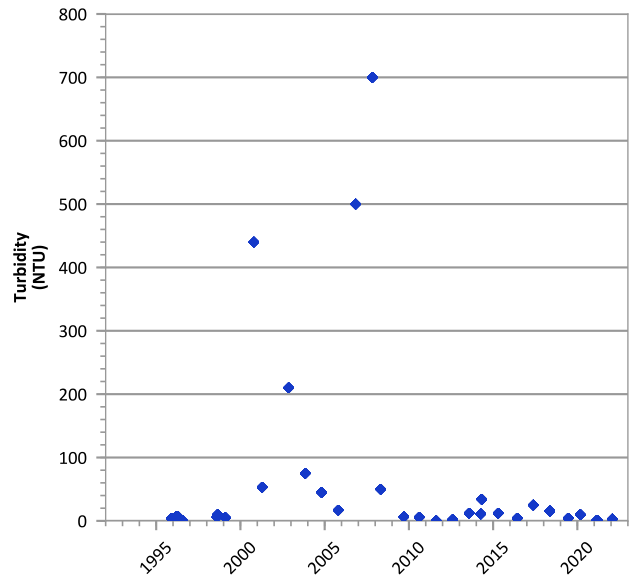
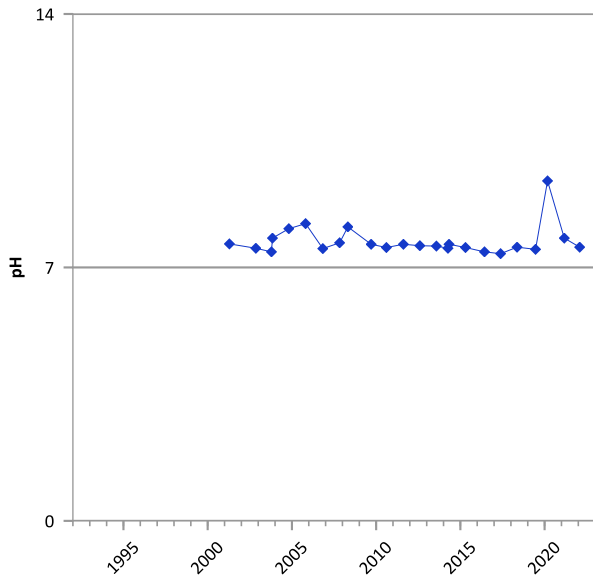
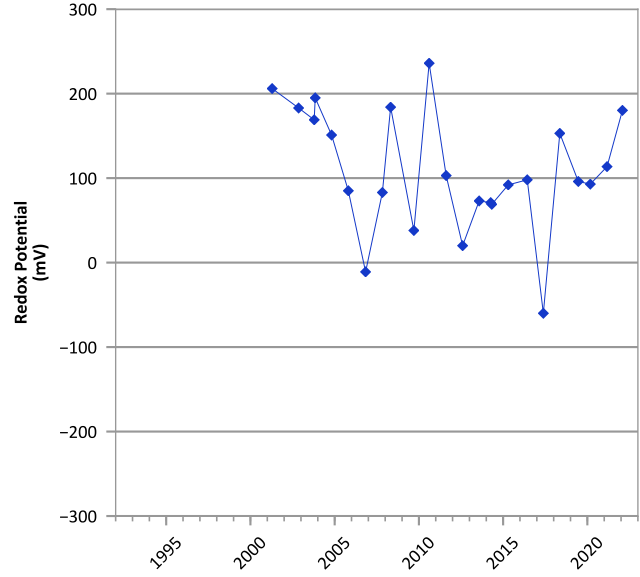
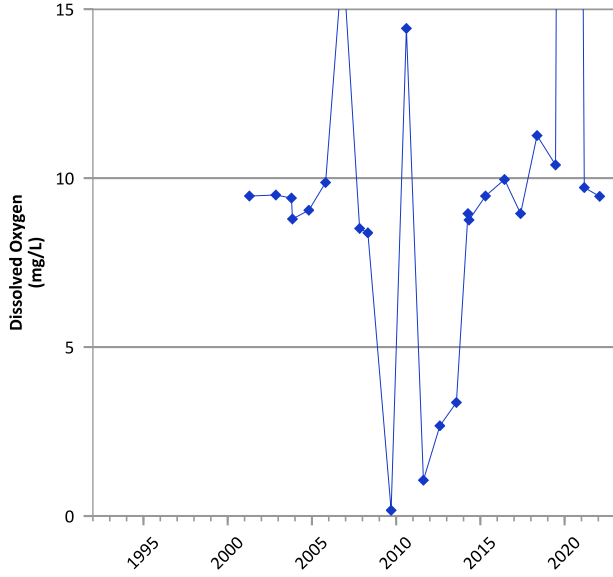
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/14/1995 to 11/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

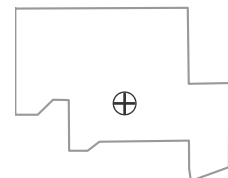


**PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



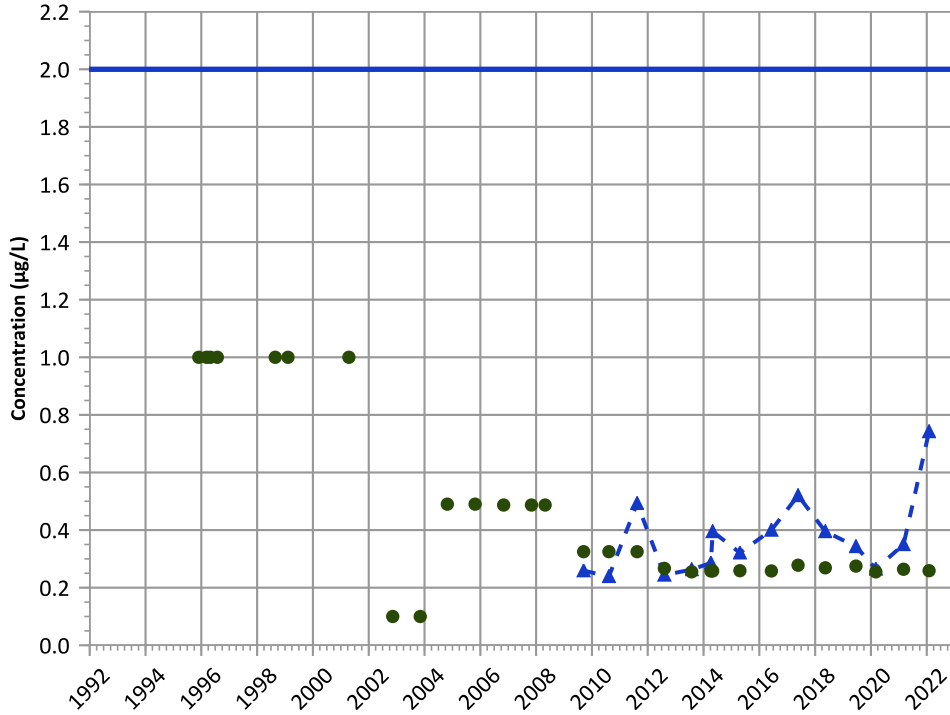
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/29/1995 to 01/31/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

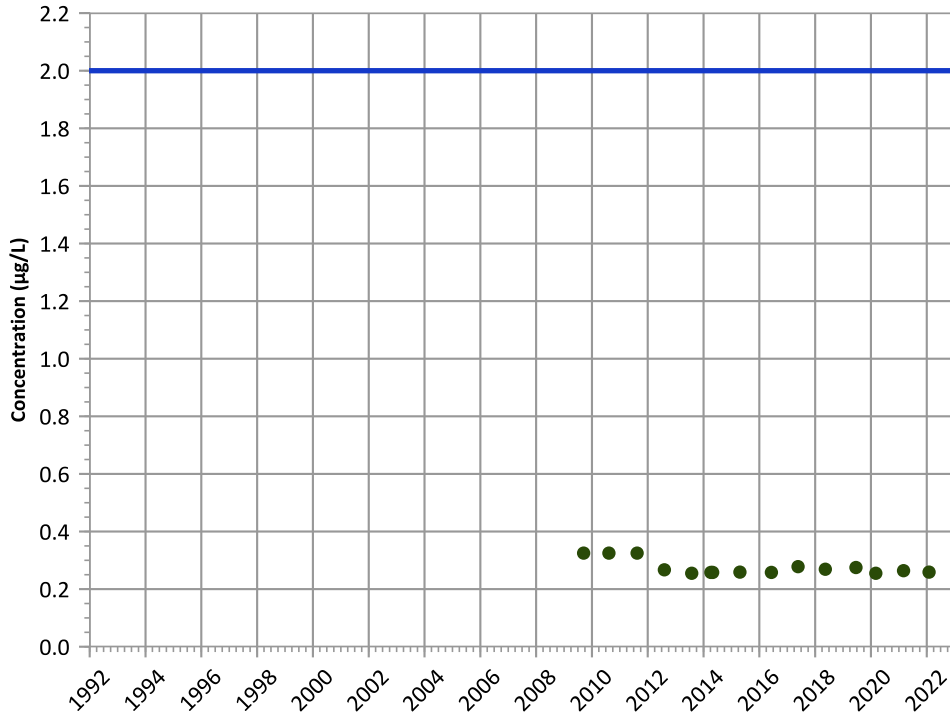


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

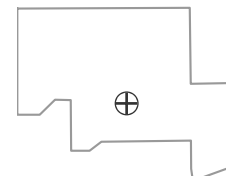
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

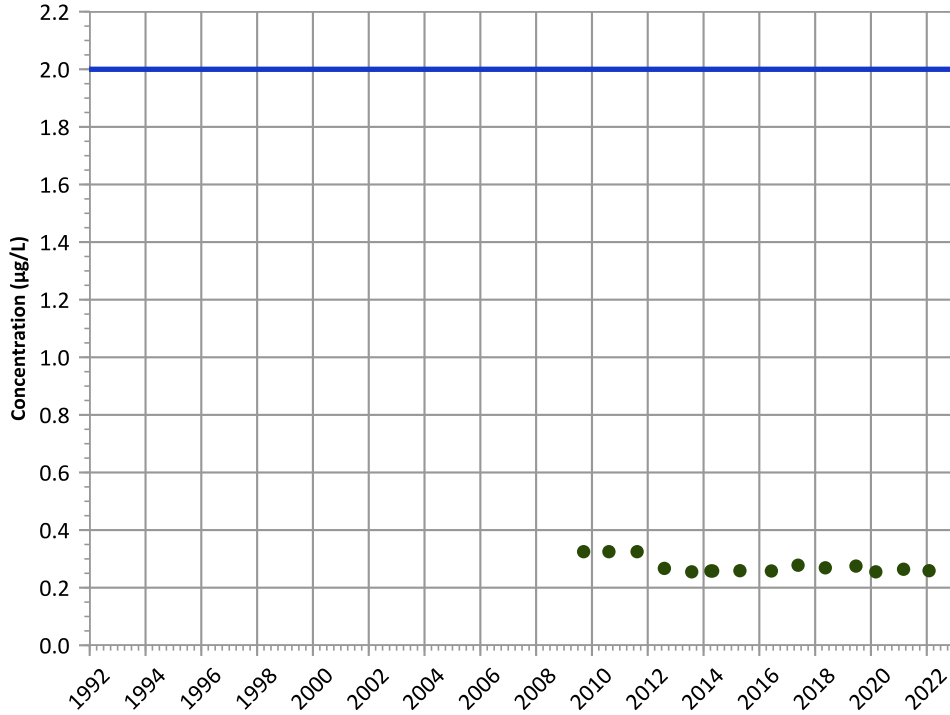
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

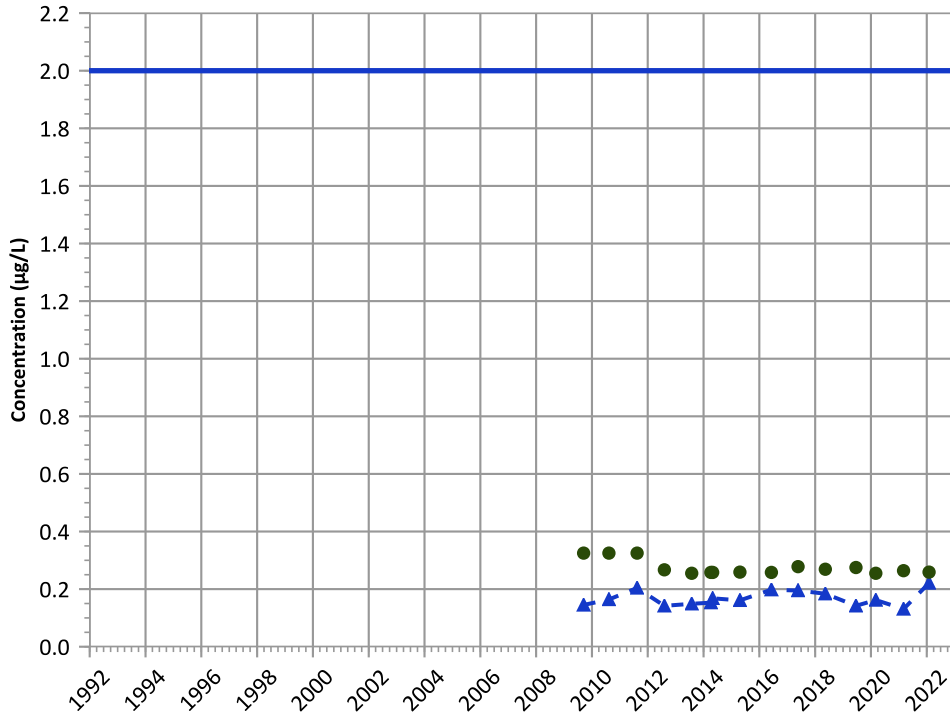
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

No Trend

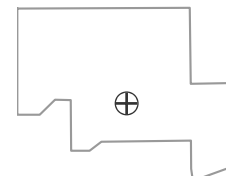
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

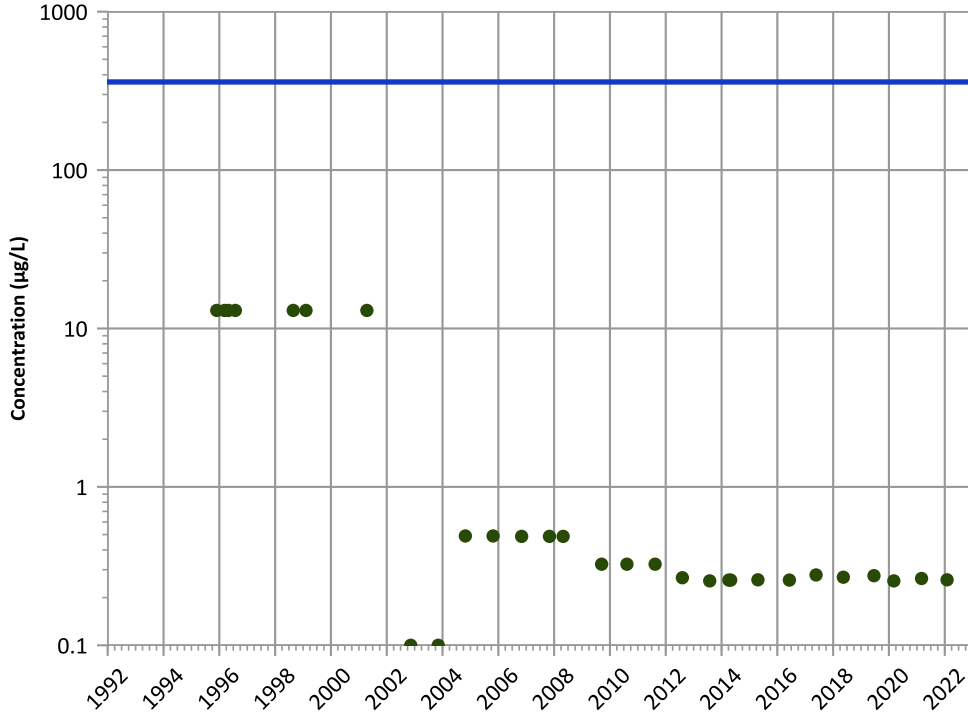
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

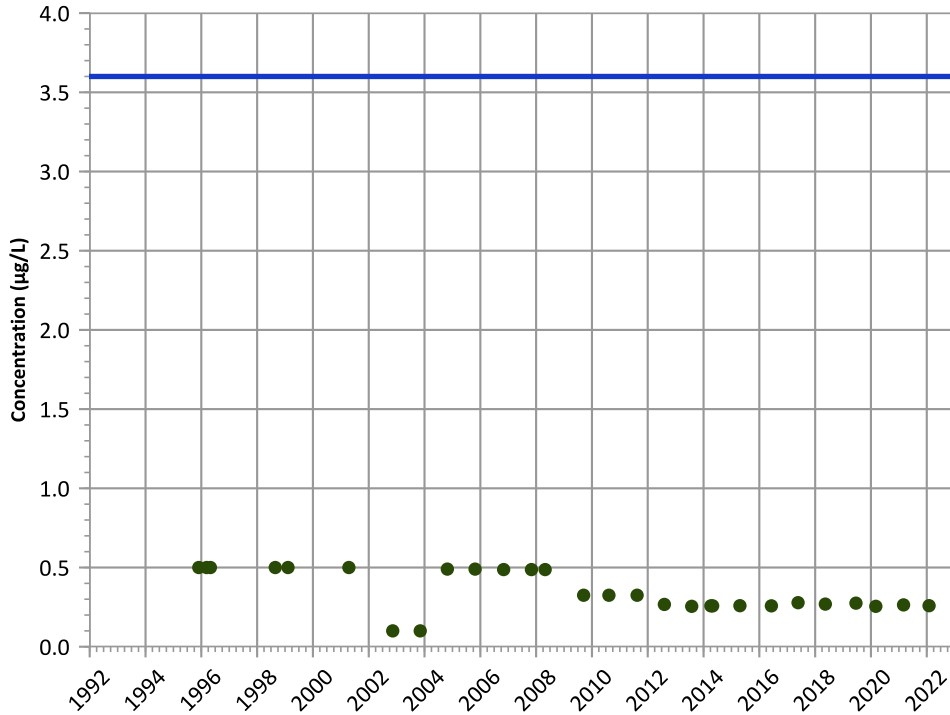
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

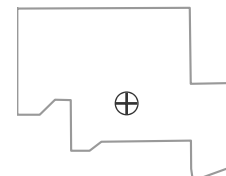
2020 - 2022 Data:

All Non-Detect

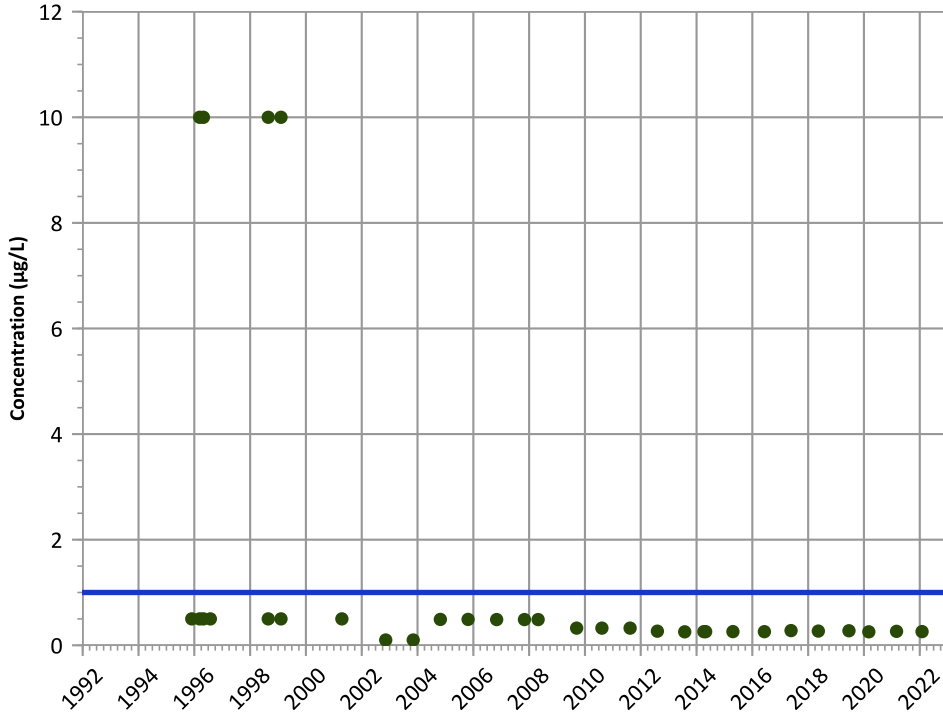
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

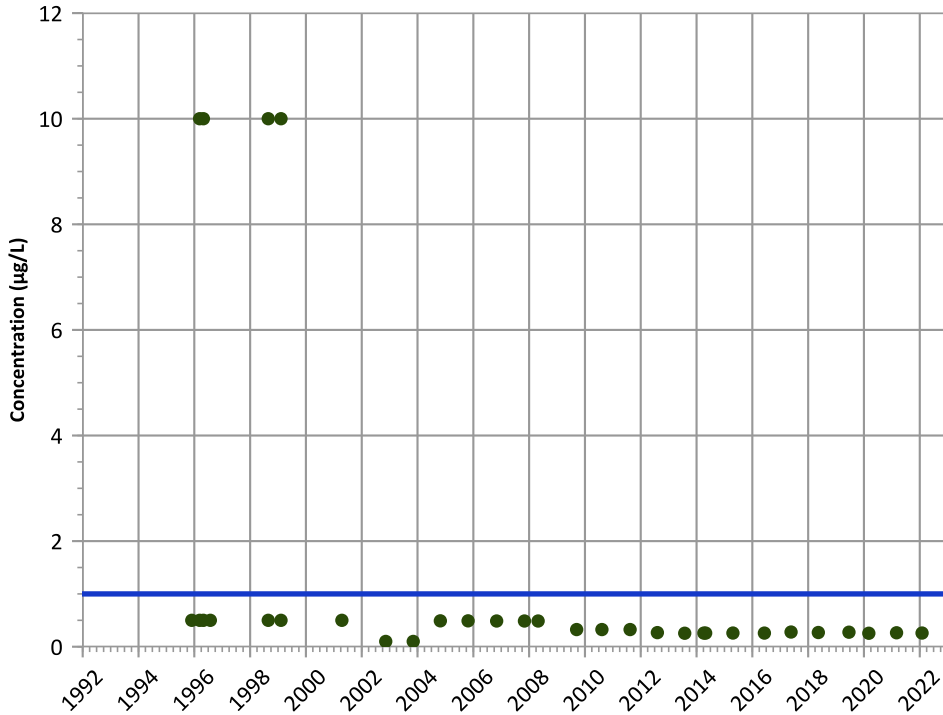
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

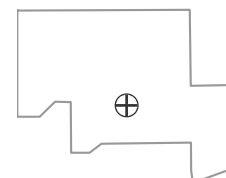
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

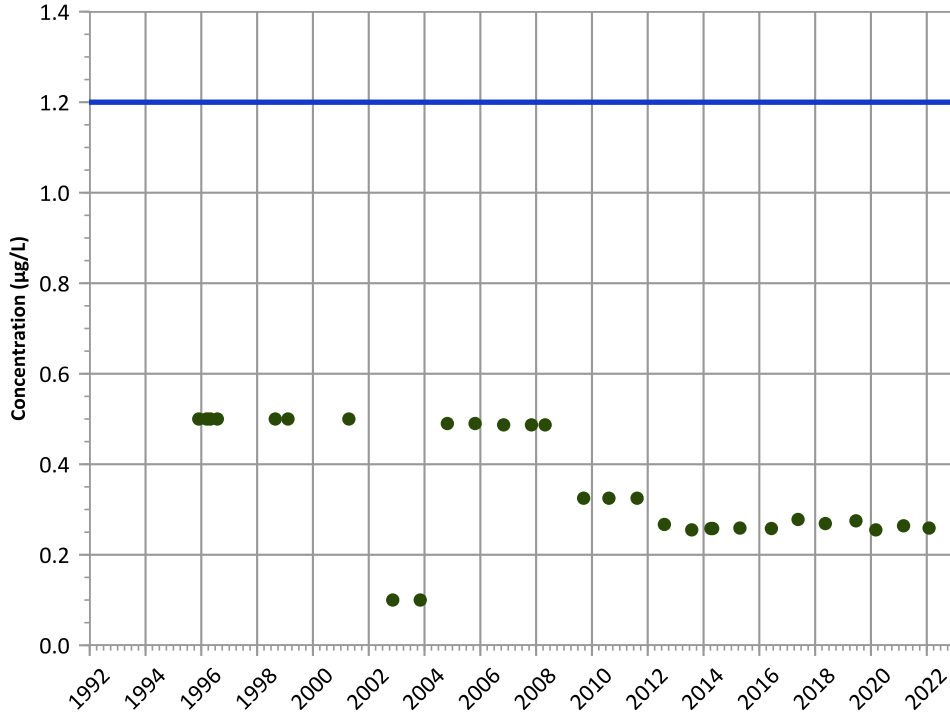
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

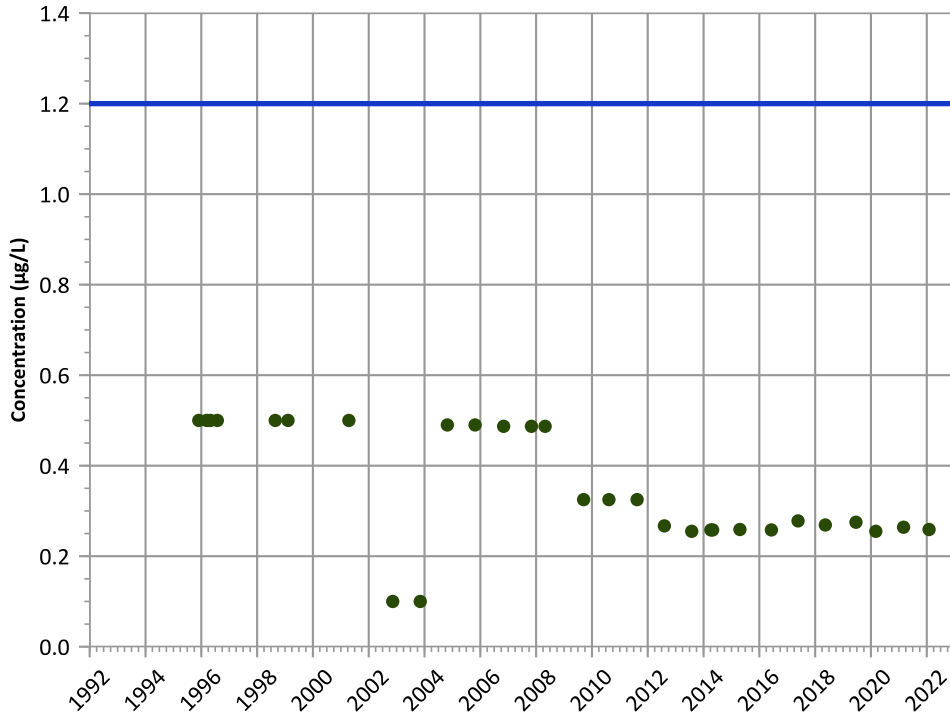
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

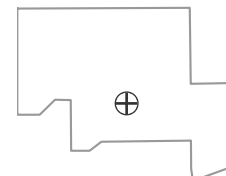
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

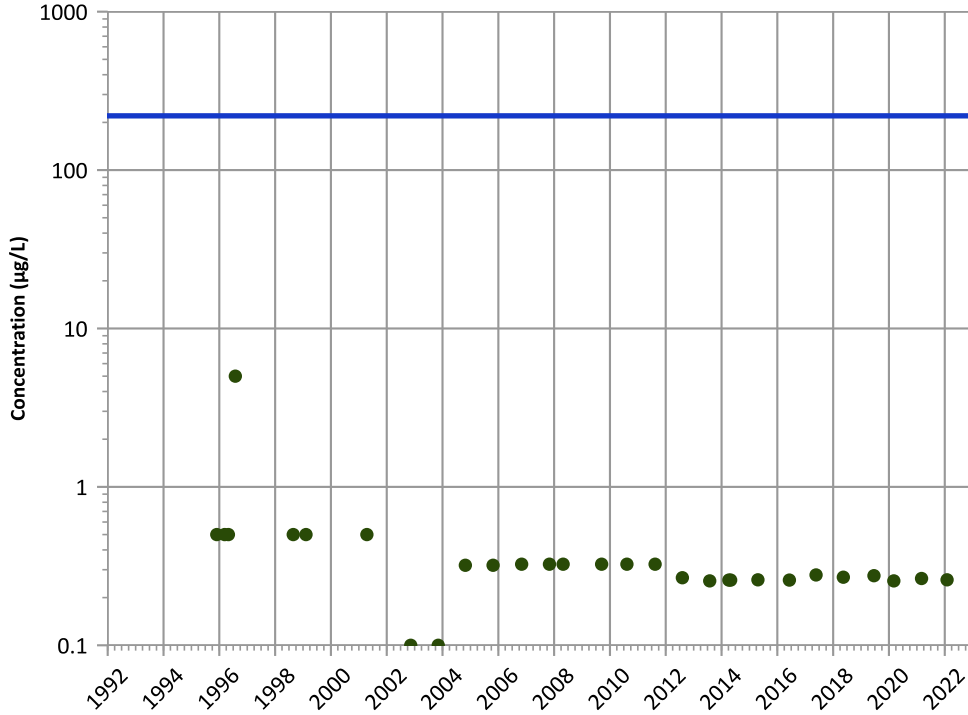
Well Location





PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

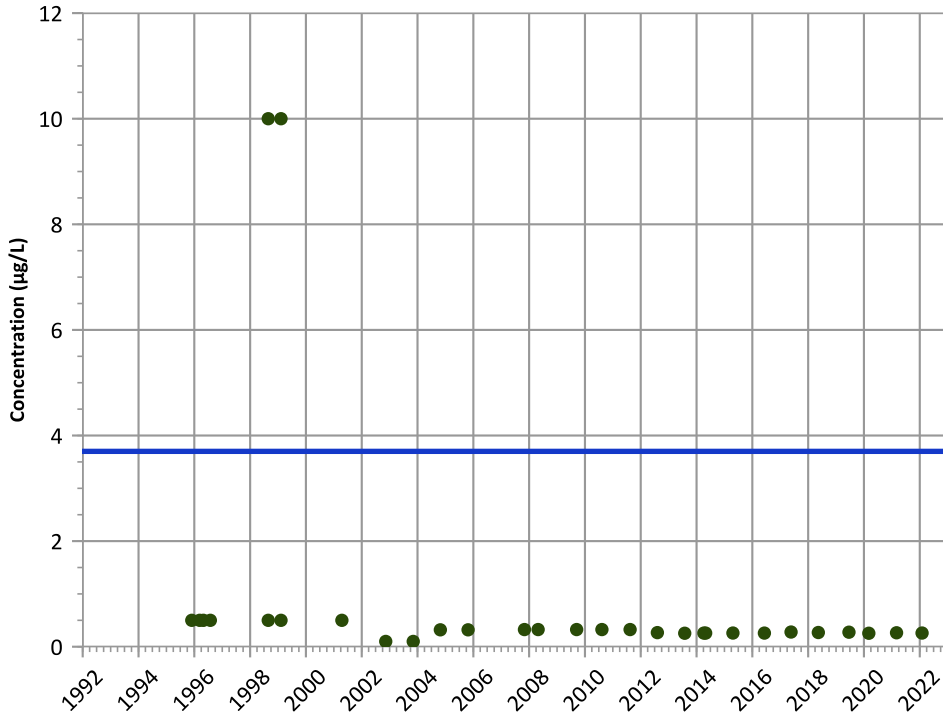
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

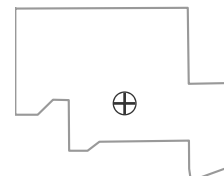
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

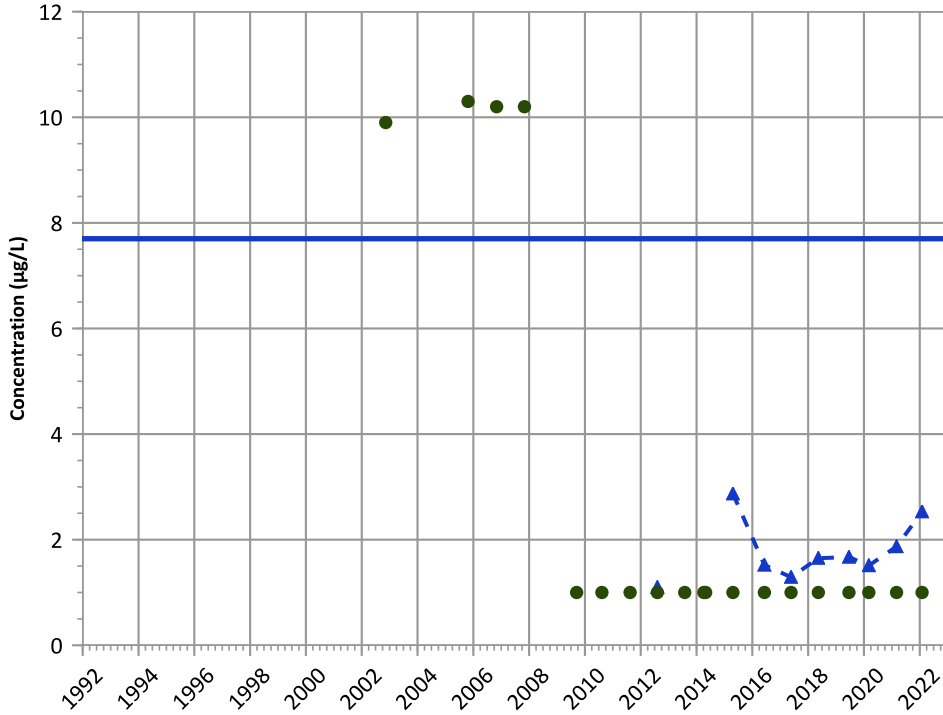
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

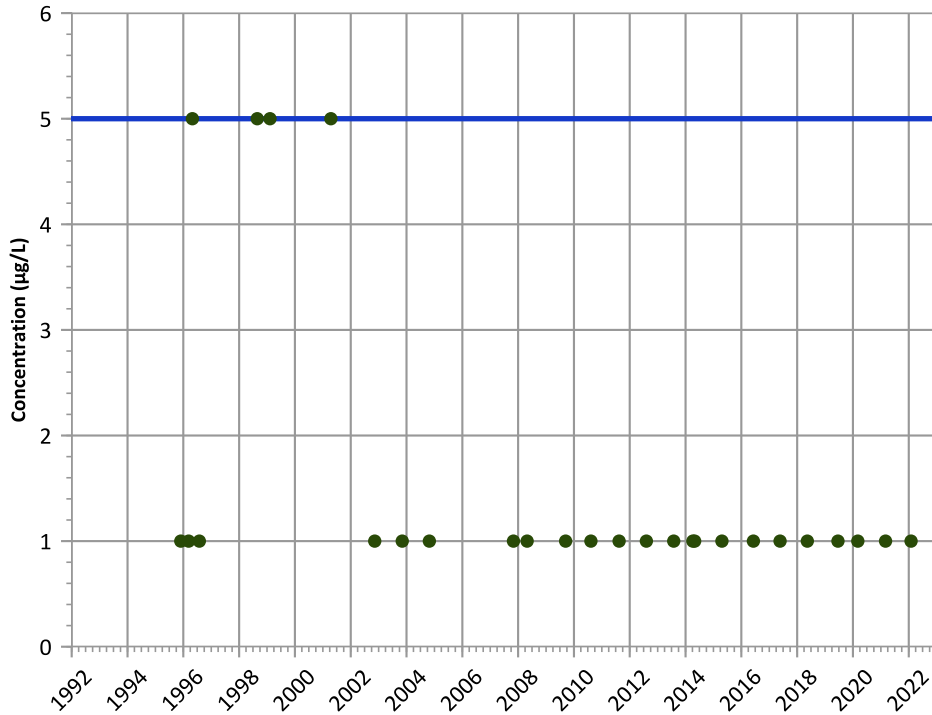


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

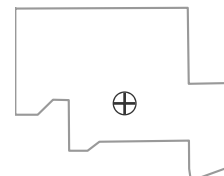
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

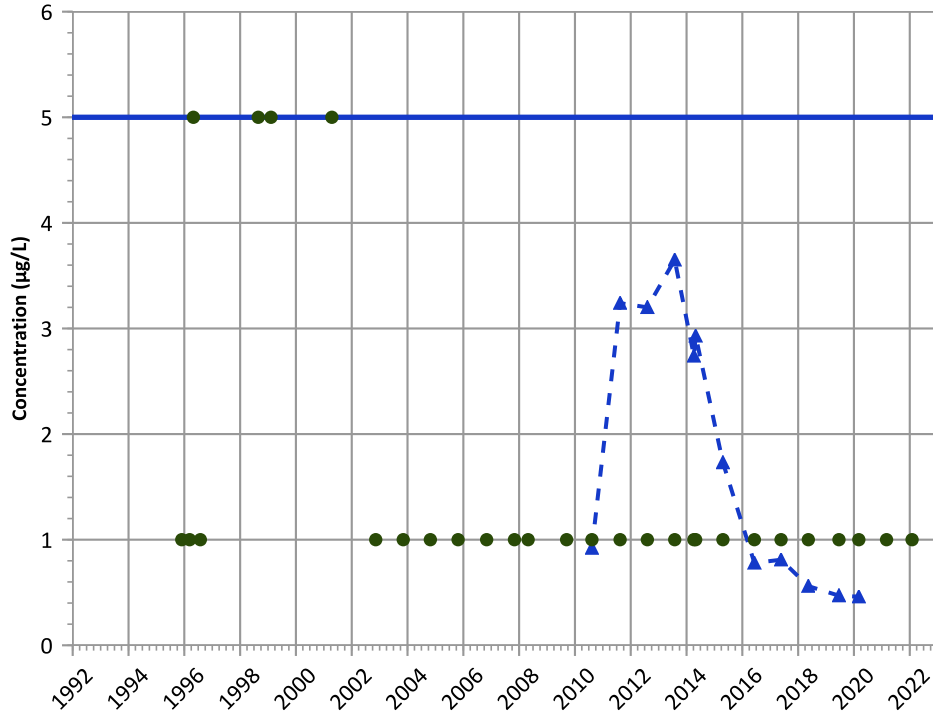
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

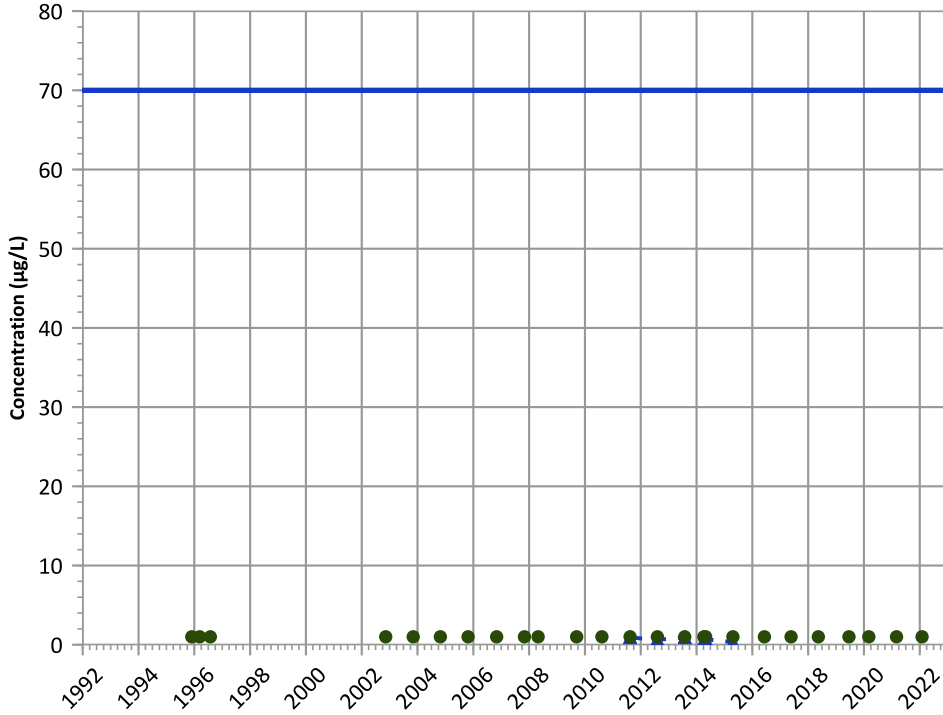
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

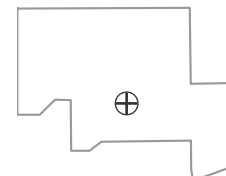
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

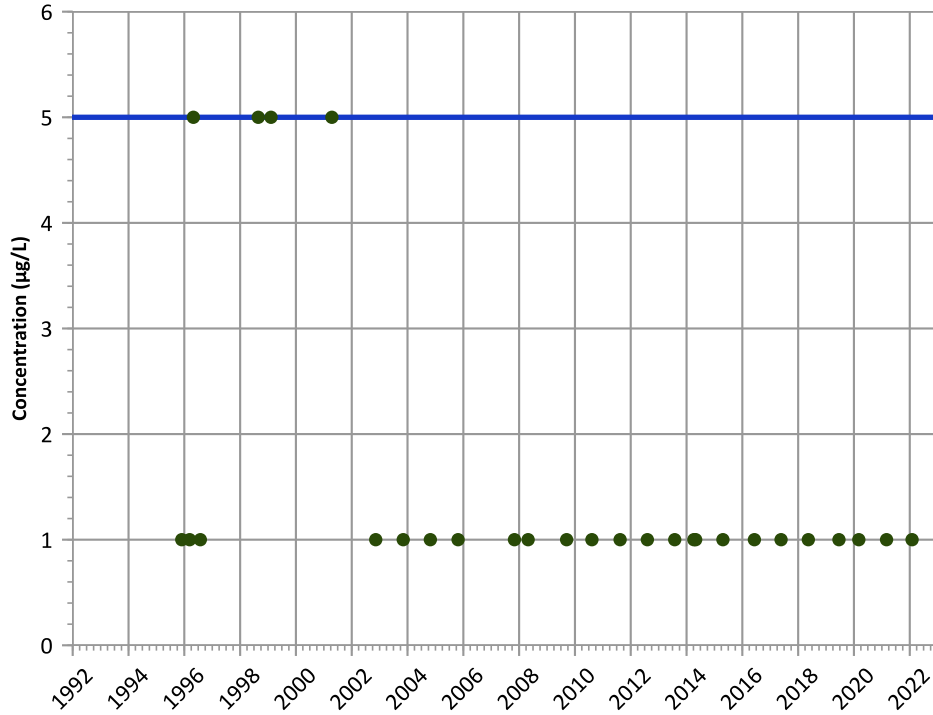
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

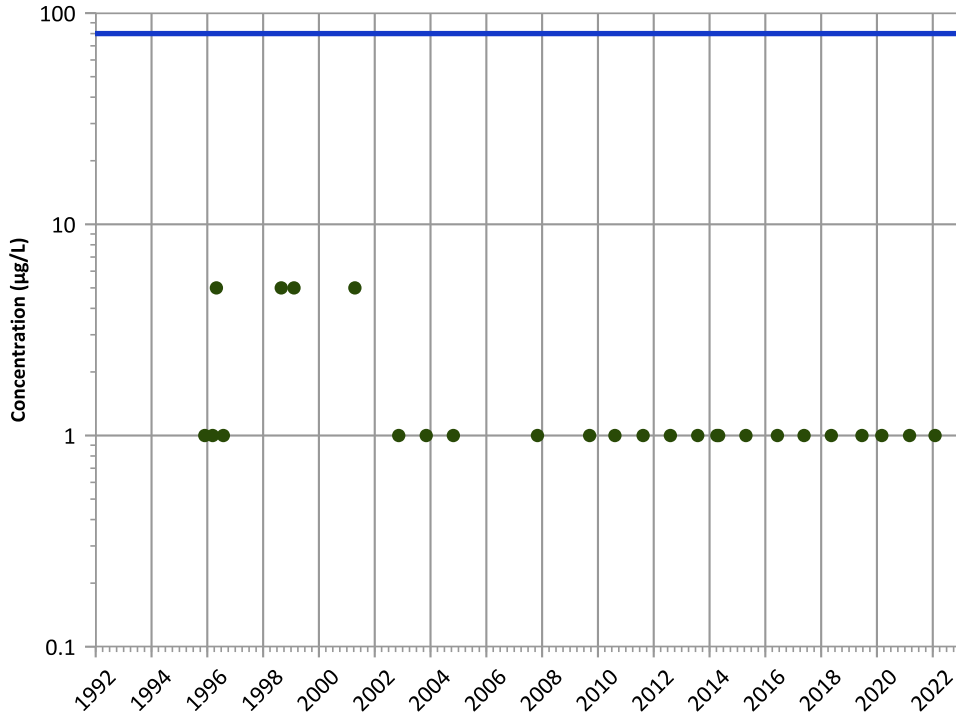
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

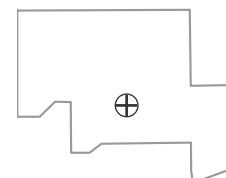
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

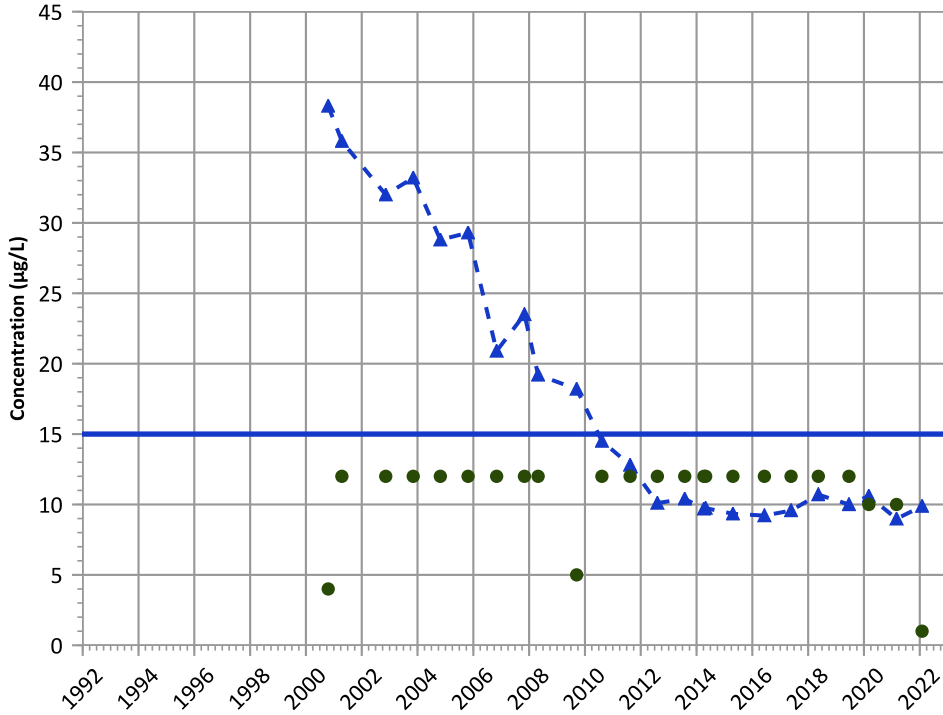
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

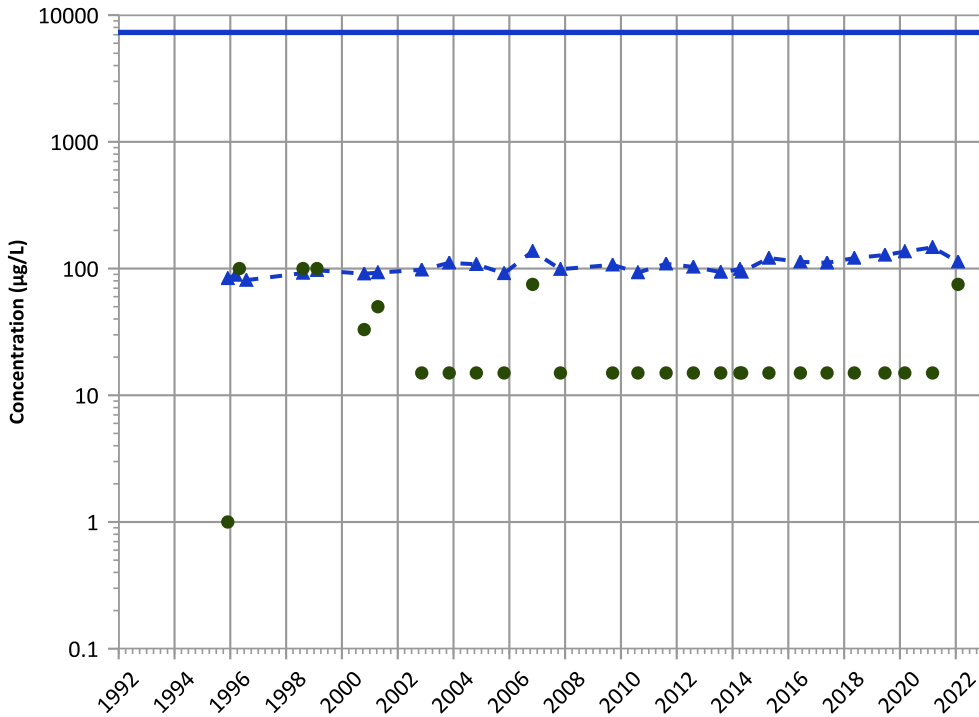


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Boron Trend



Concentration Trend

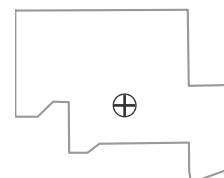
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

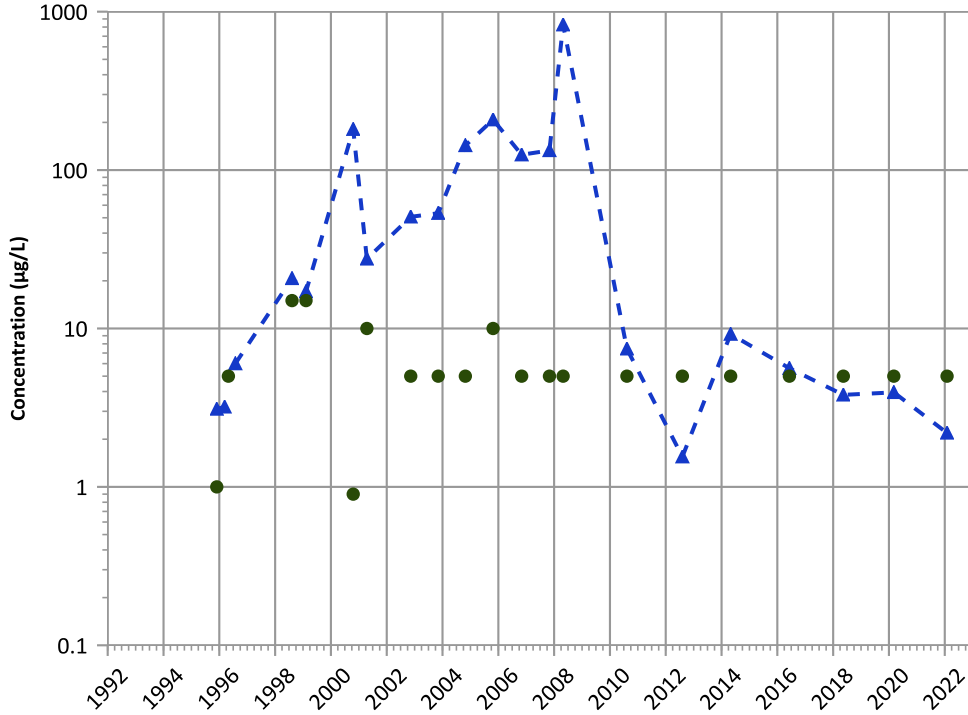
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

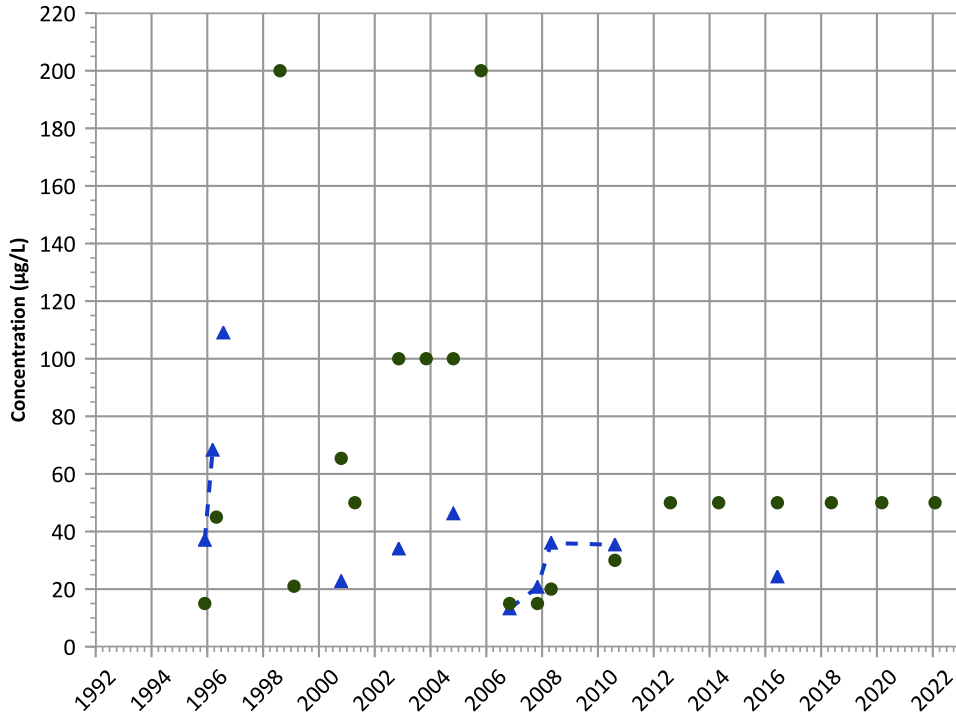


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Aluminum Trend



Concentration Trend

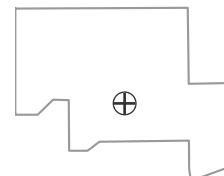
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

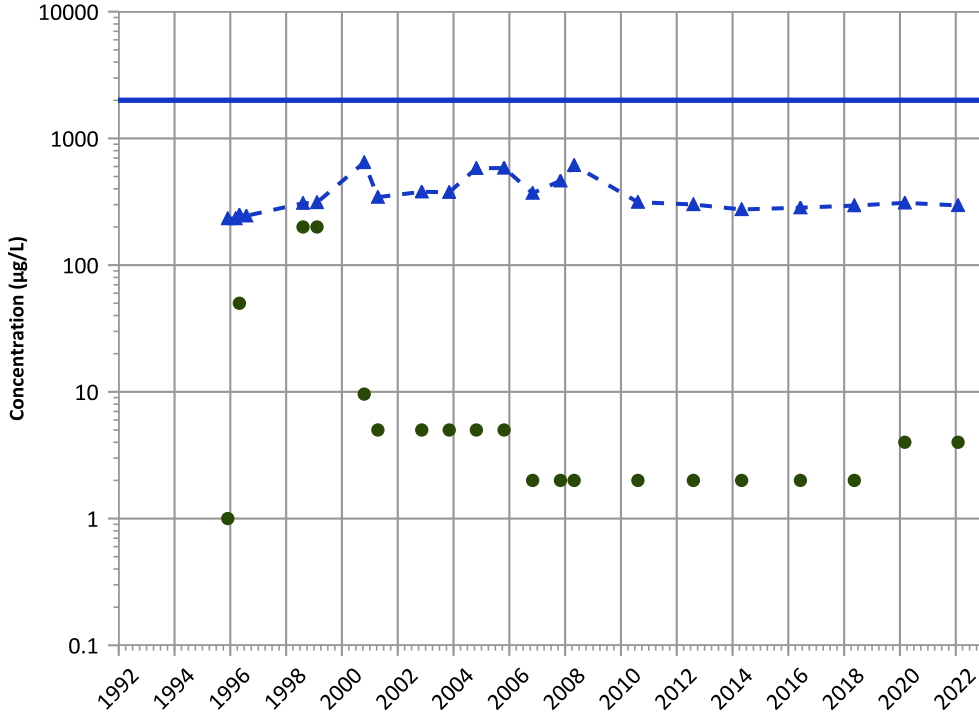
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

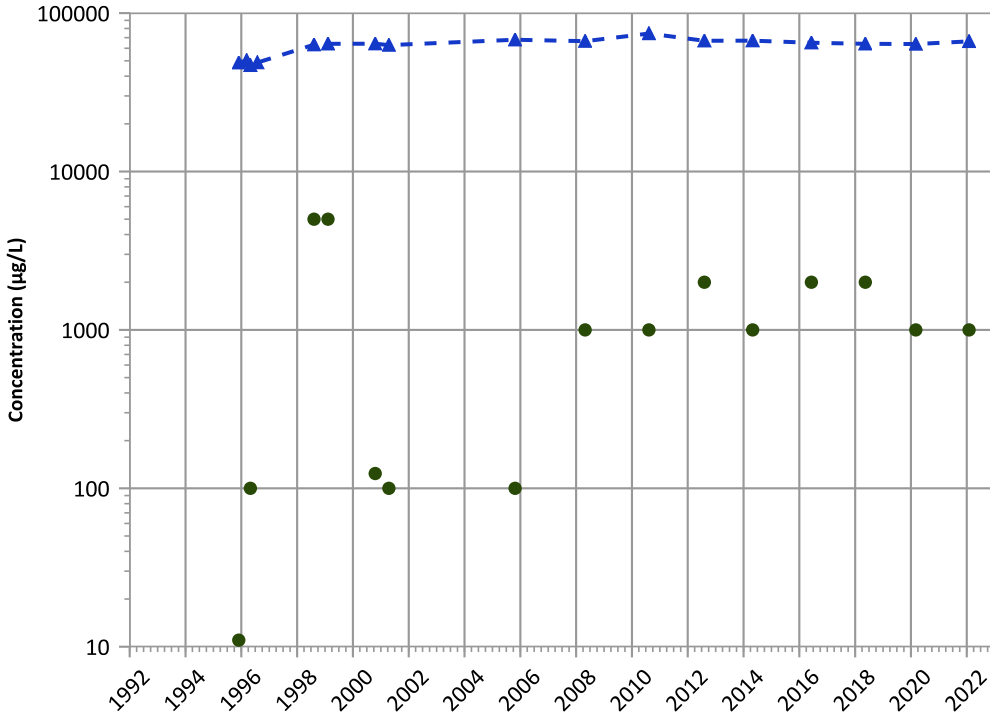
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

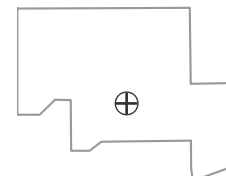
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Well Location

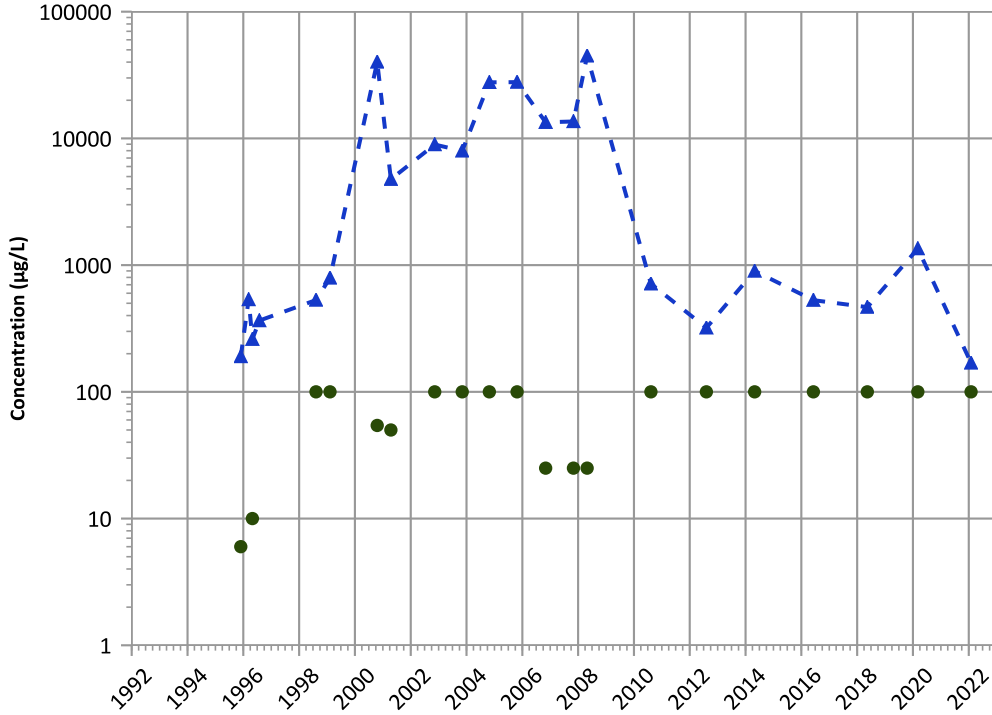


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

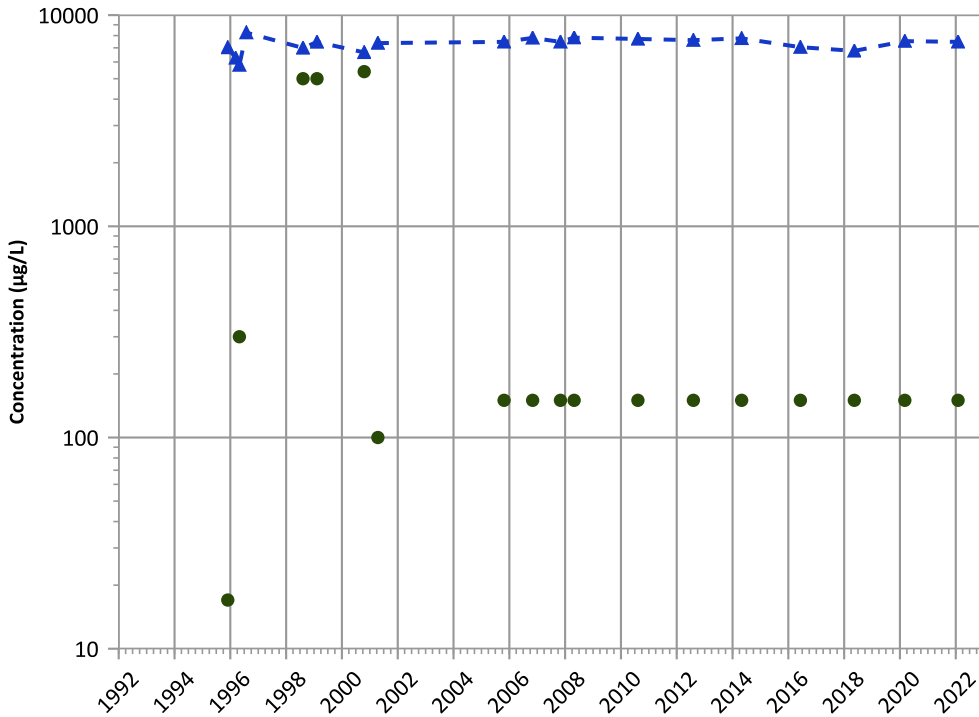
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

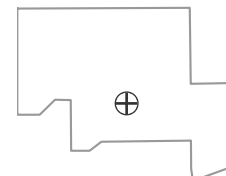
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

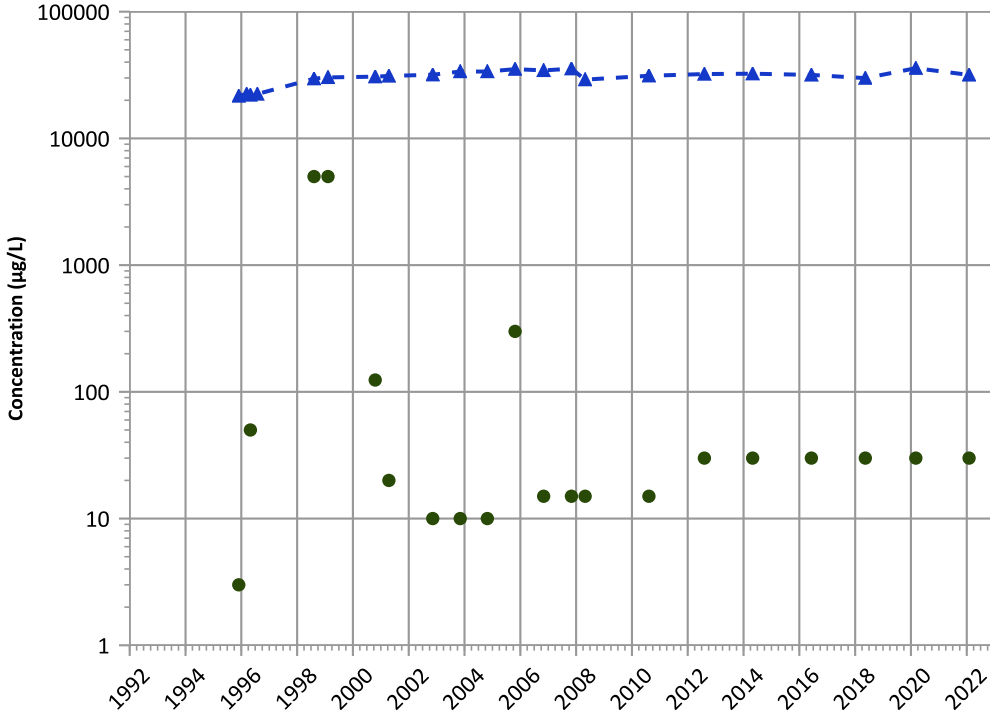
Well Location





PTX08-1003 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

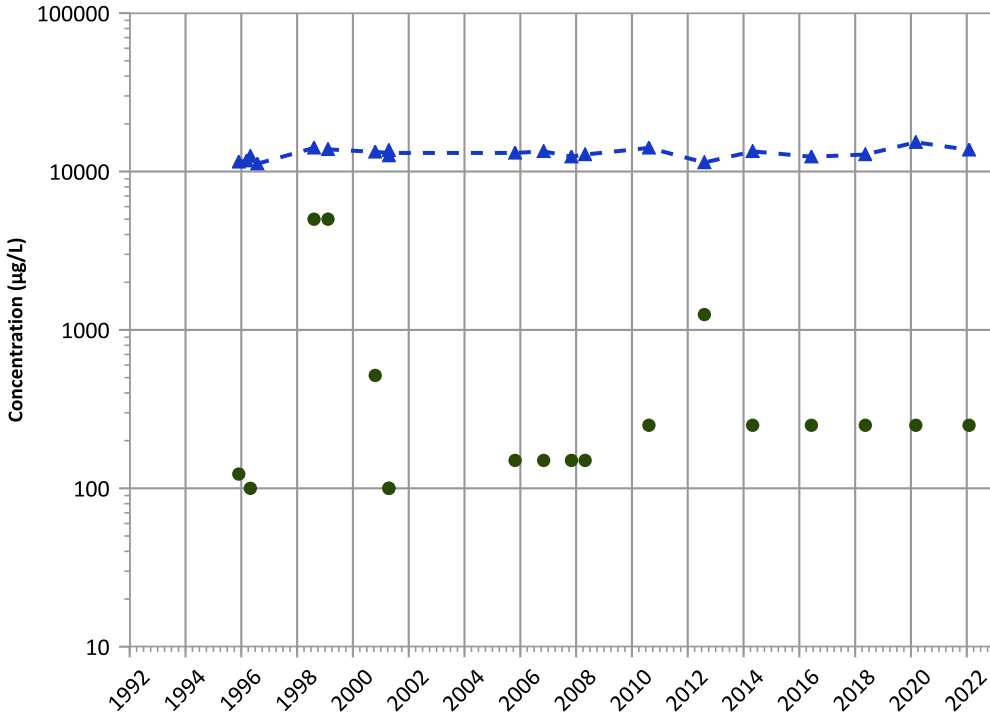
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

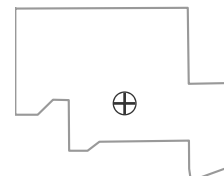
2020 - 2022 Data:

No Trend

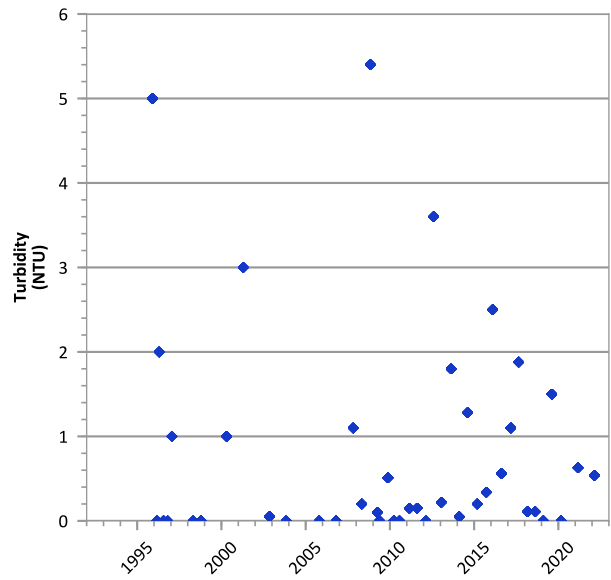
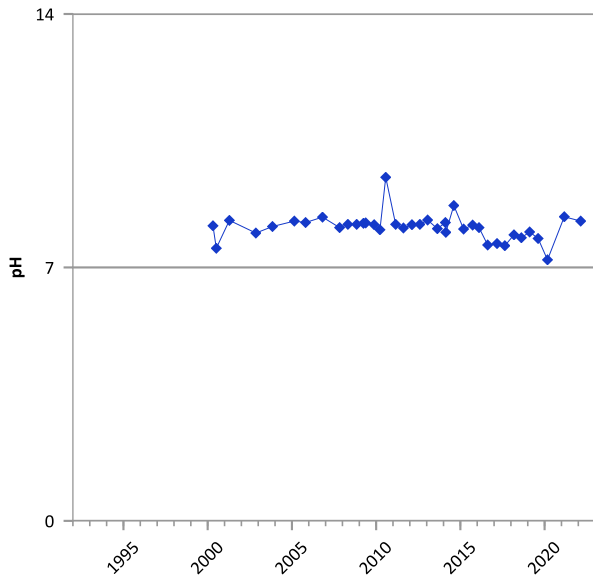
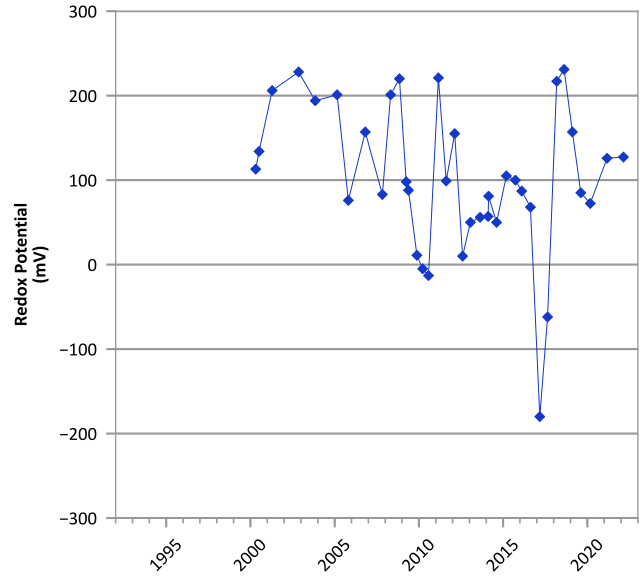
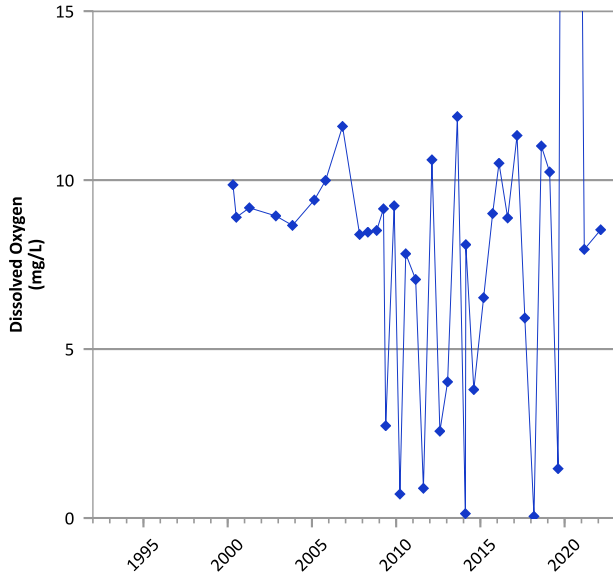
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 01/31/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

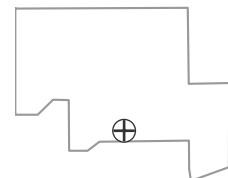


**PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



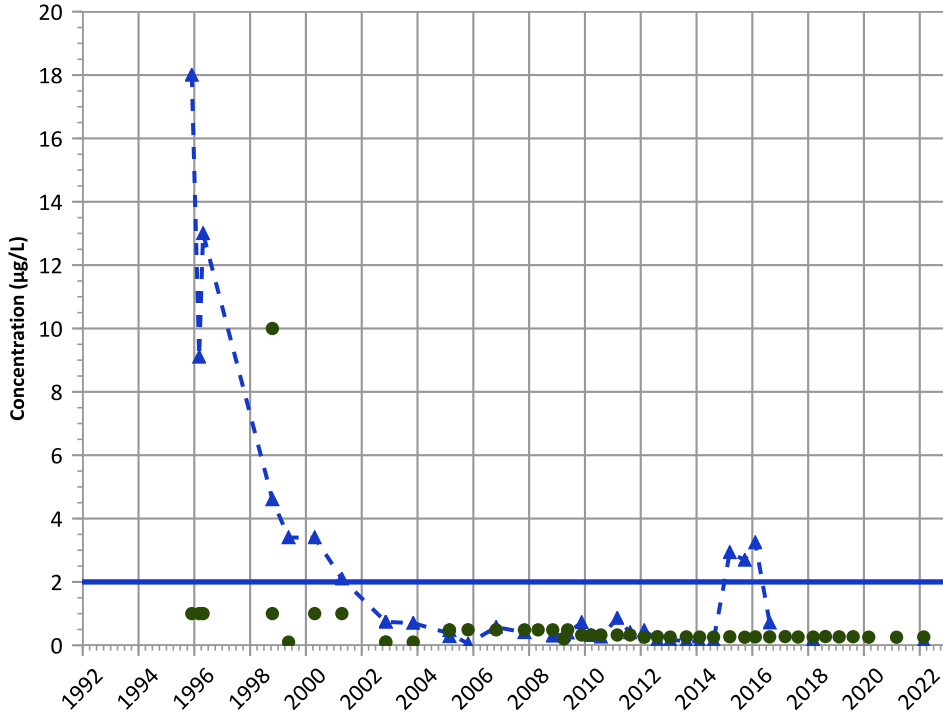
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

**Well Location**



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

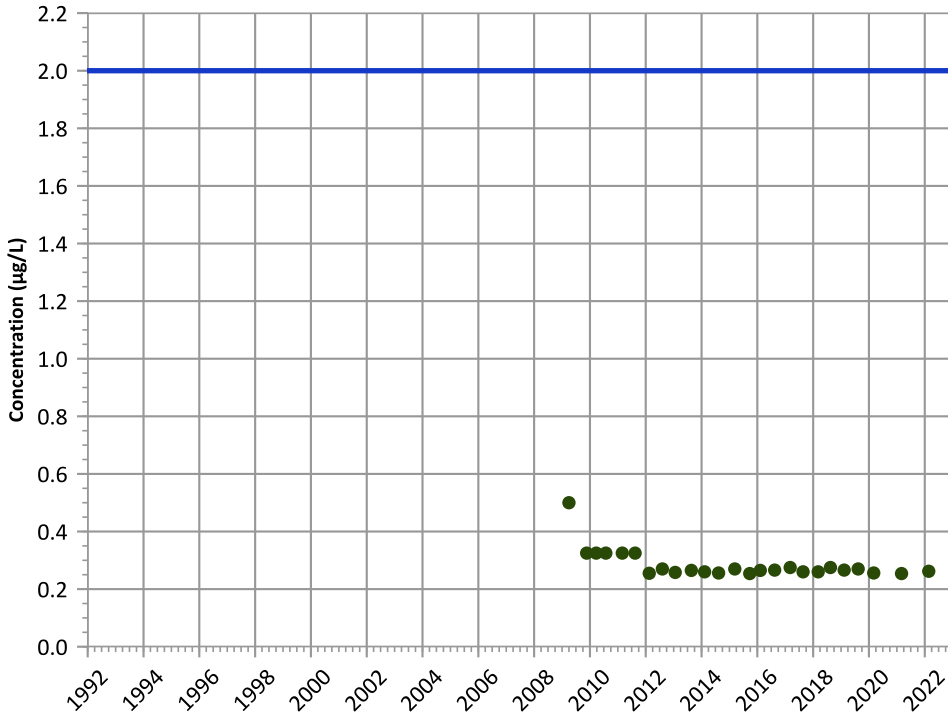


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

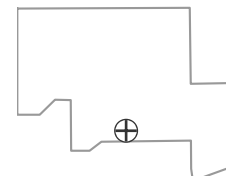
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

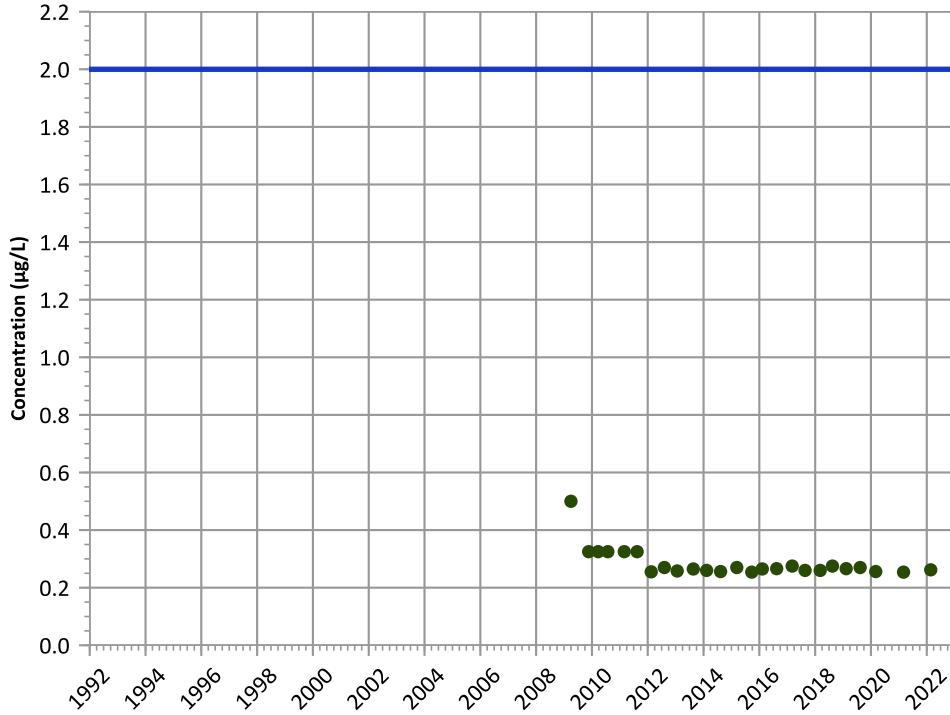
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

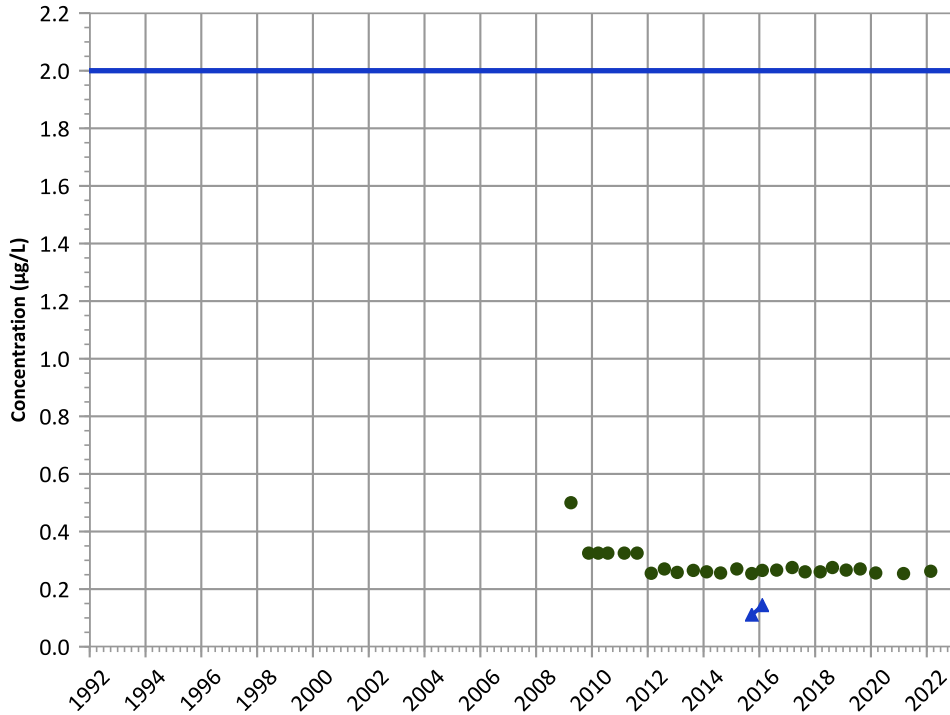


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

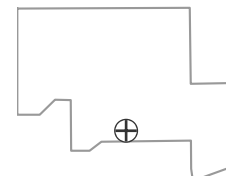
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

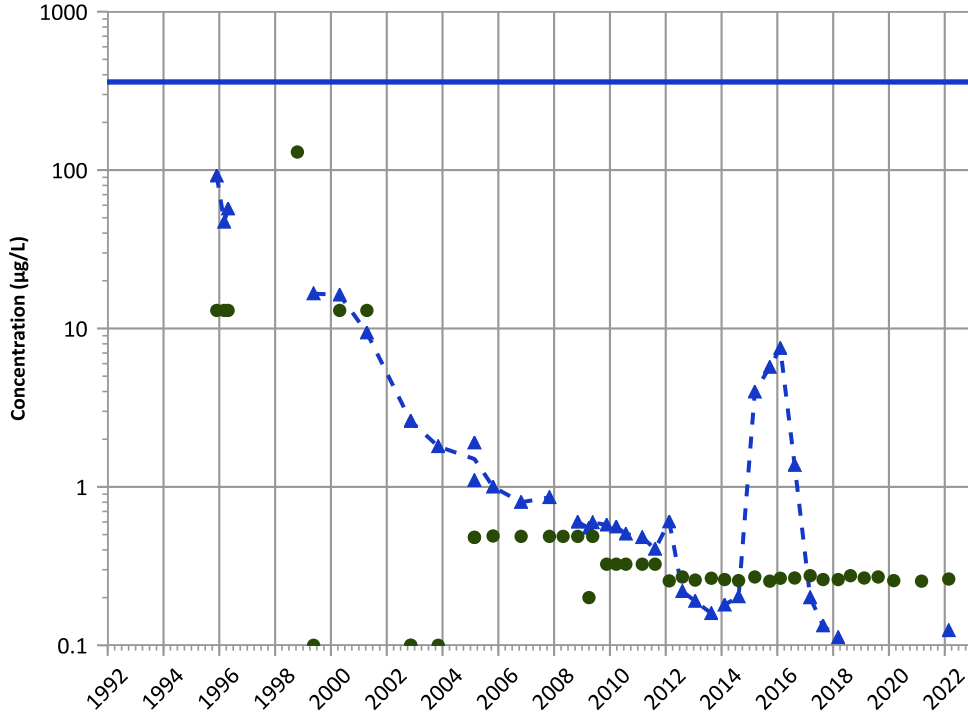
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

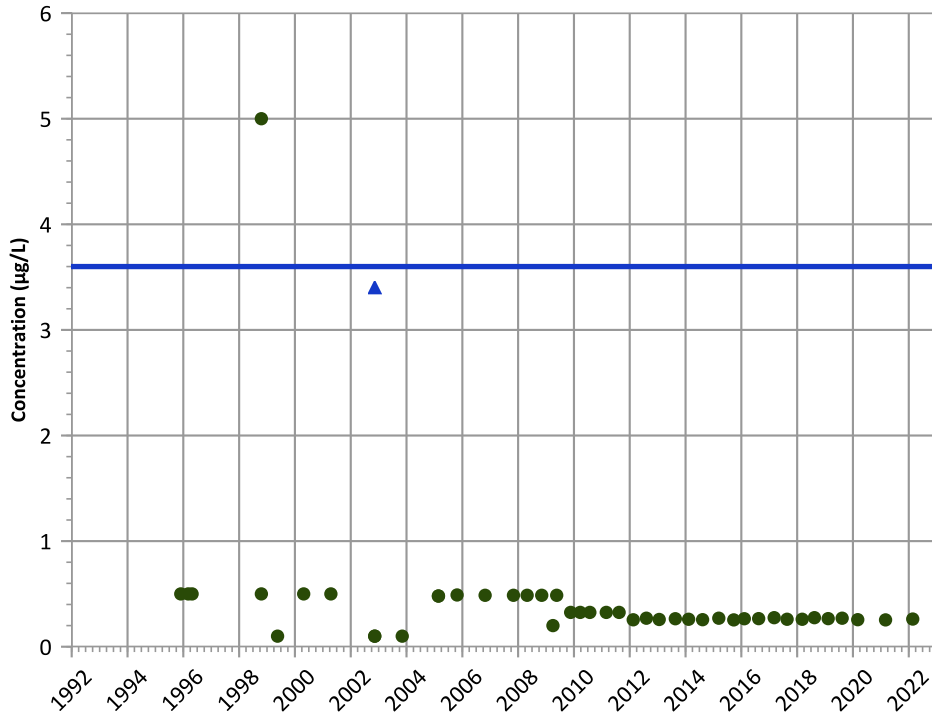


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

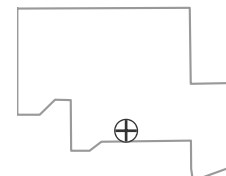
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

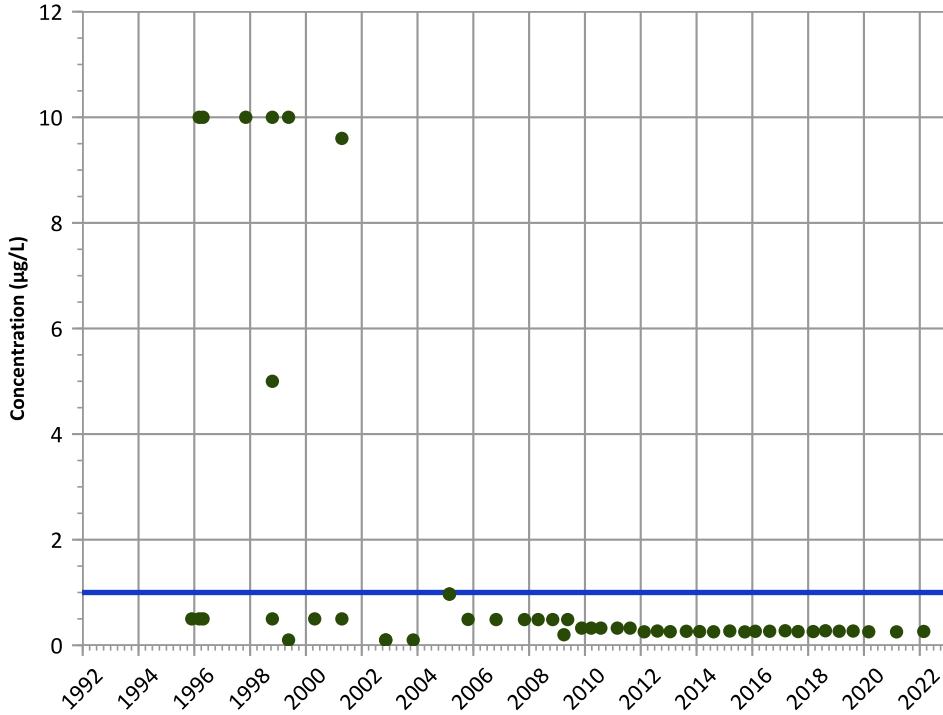
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

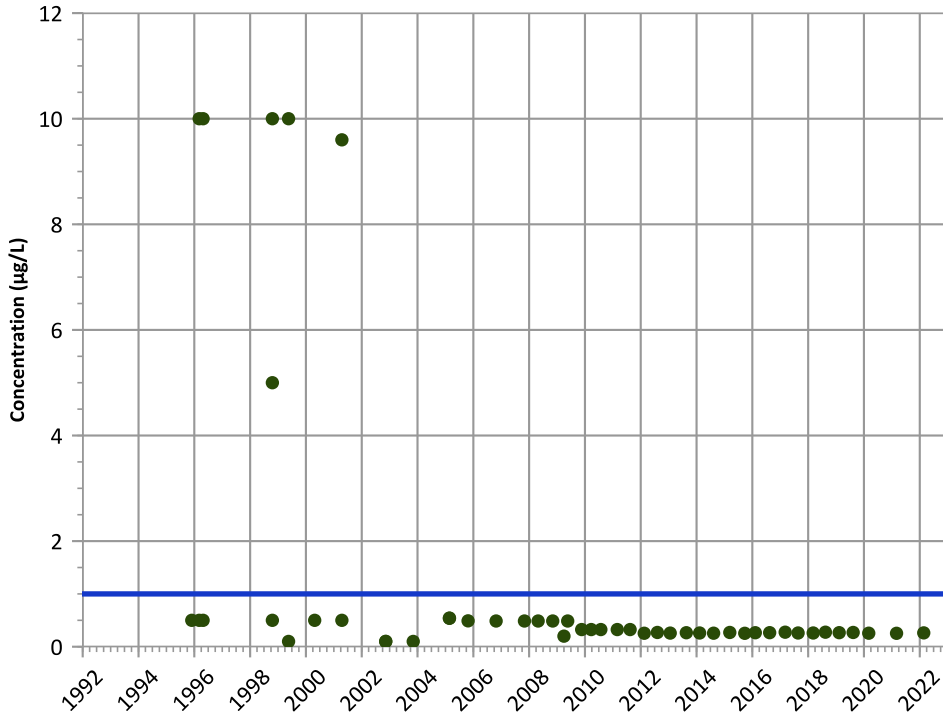


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

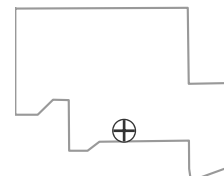
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

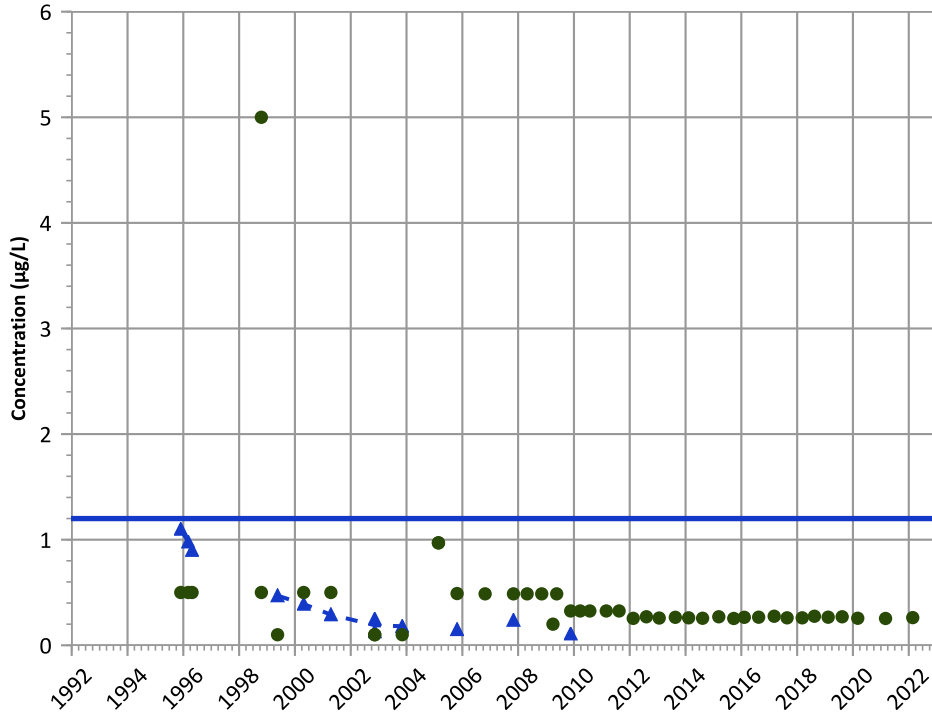
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

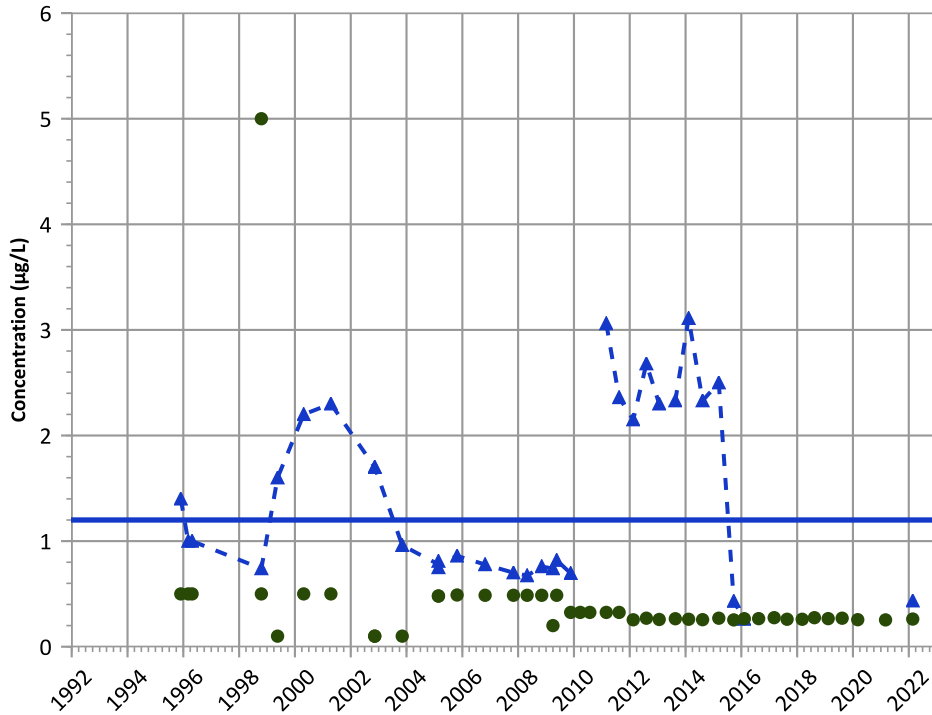


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

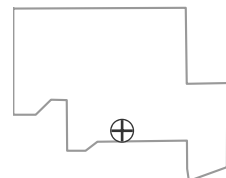
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

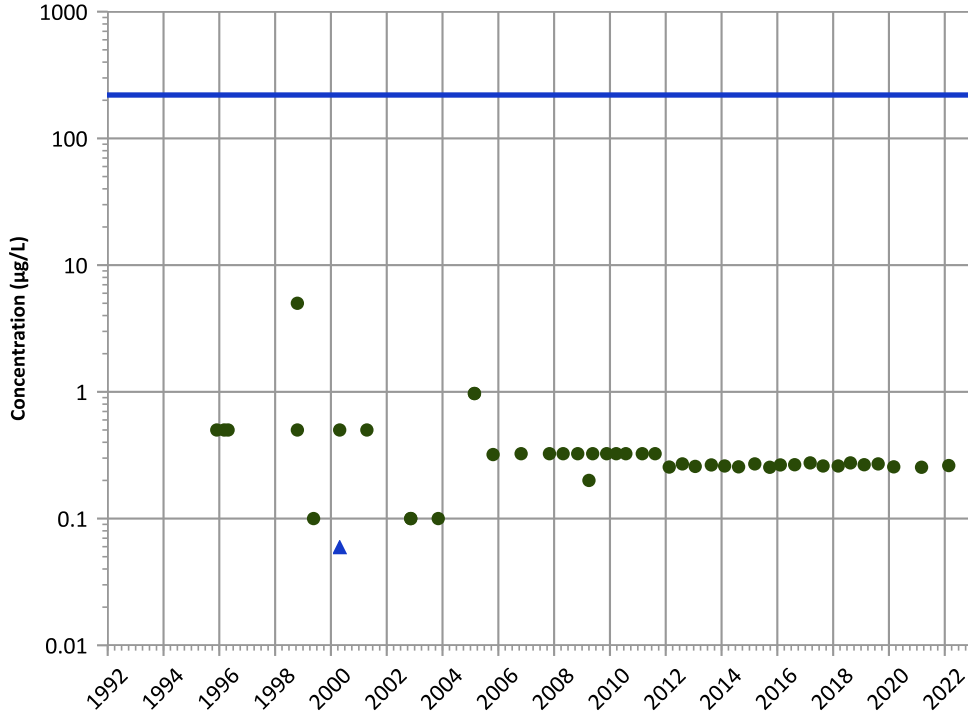
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

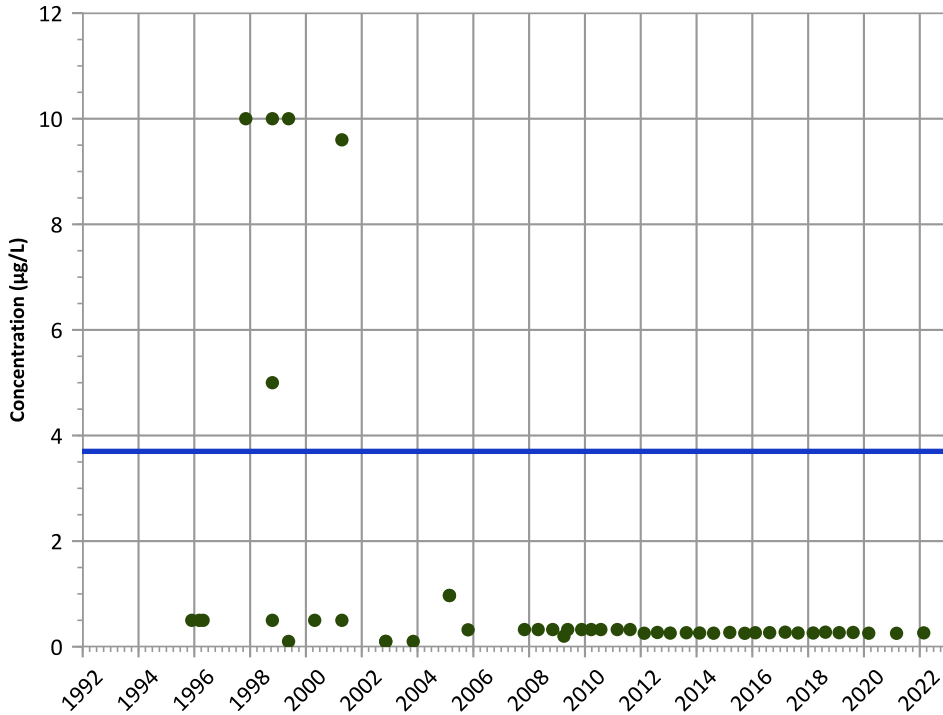


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend

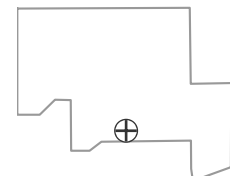


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location



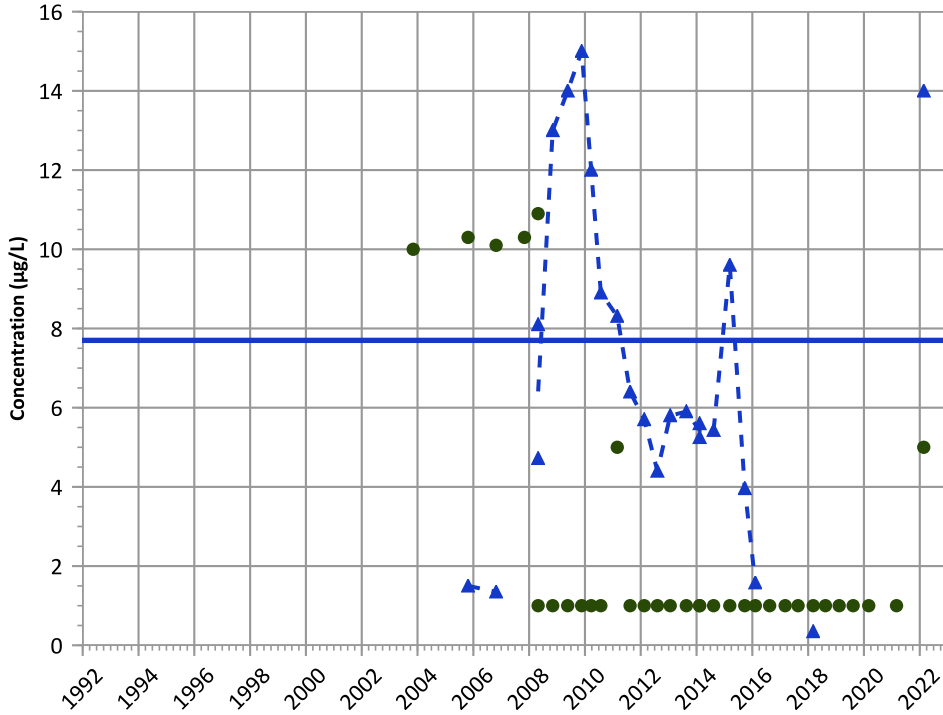
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

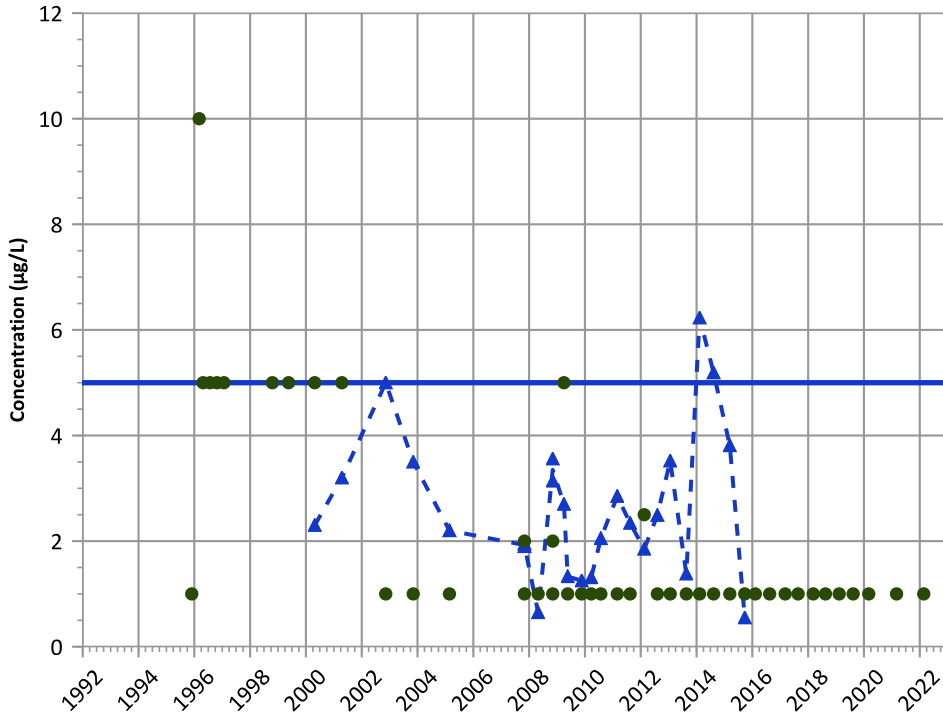


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

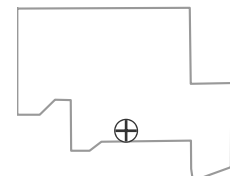
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

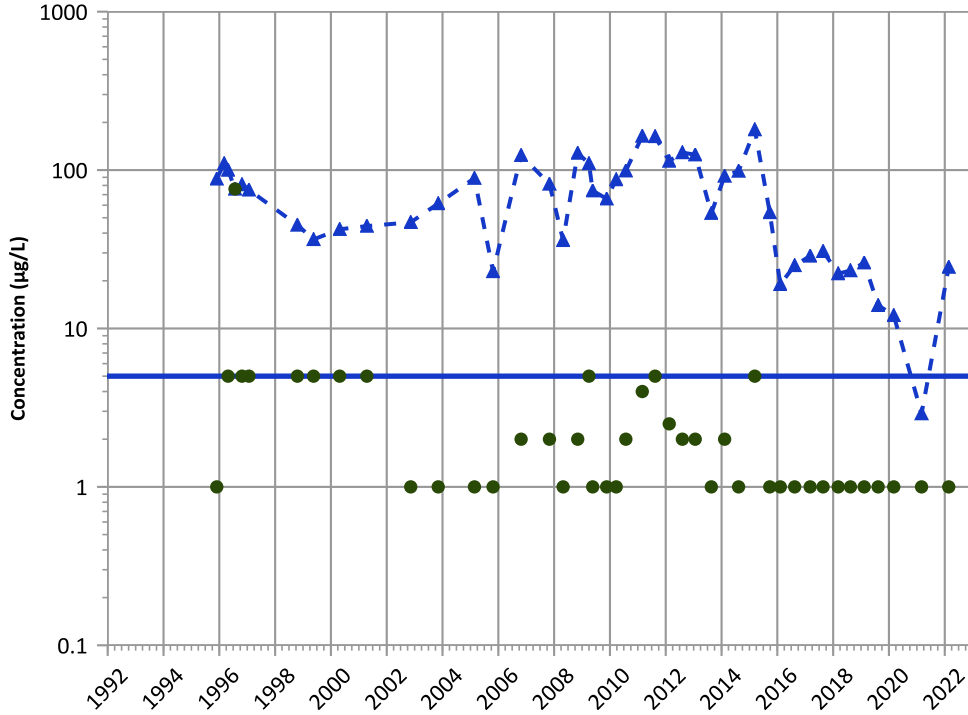
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

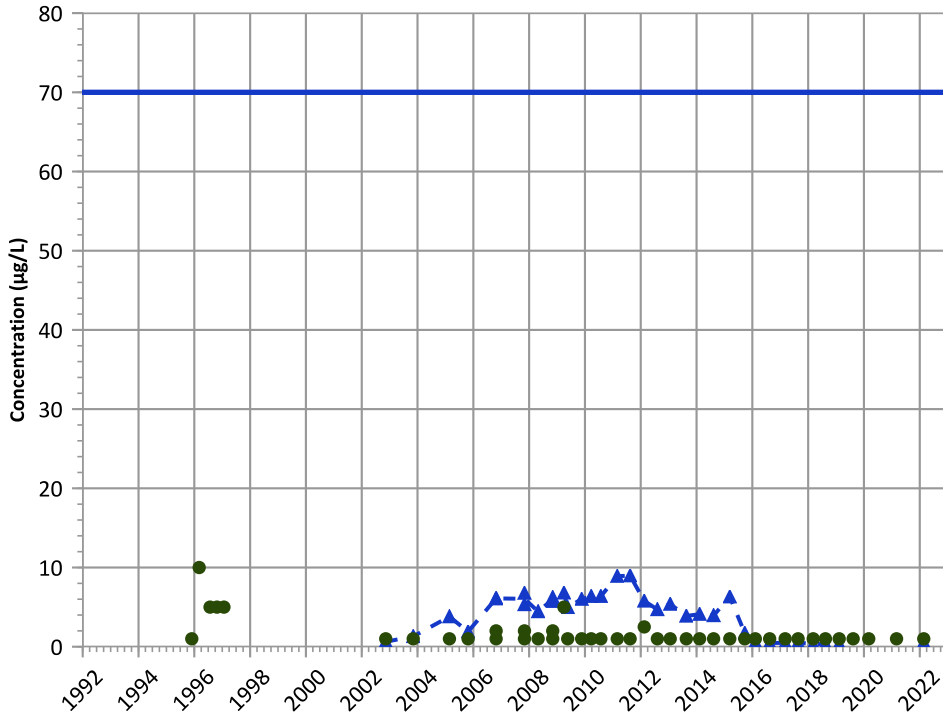


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

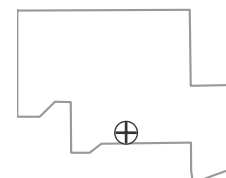
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

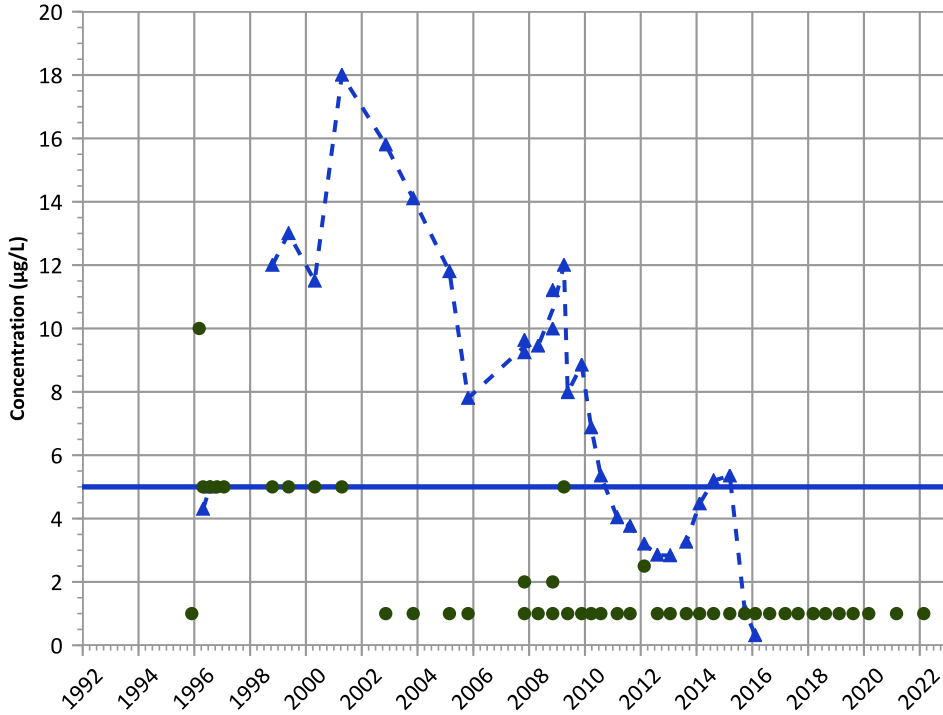
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend

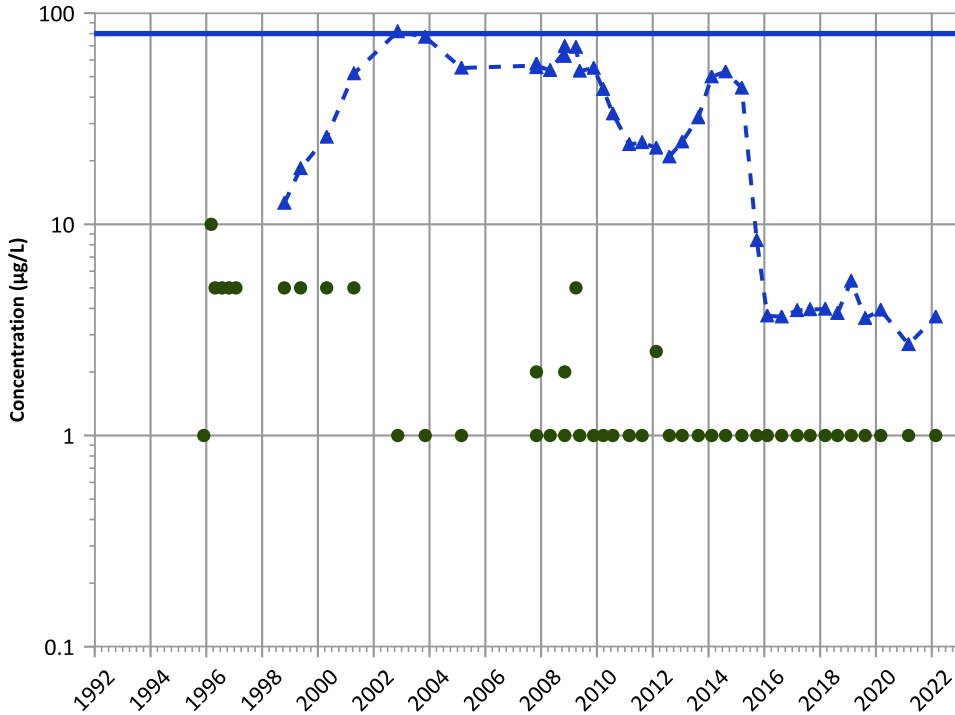


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Chloroform Trend



Concentration Trend

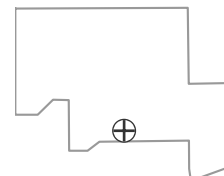
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

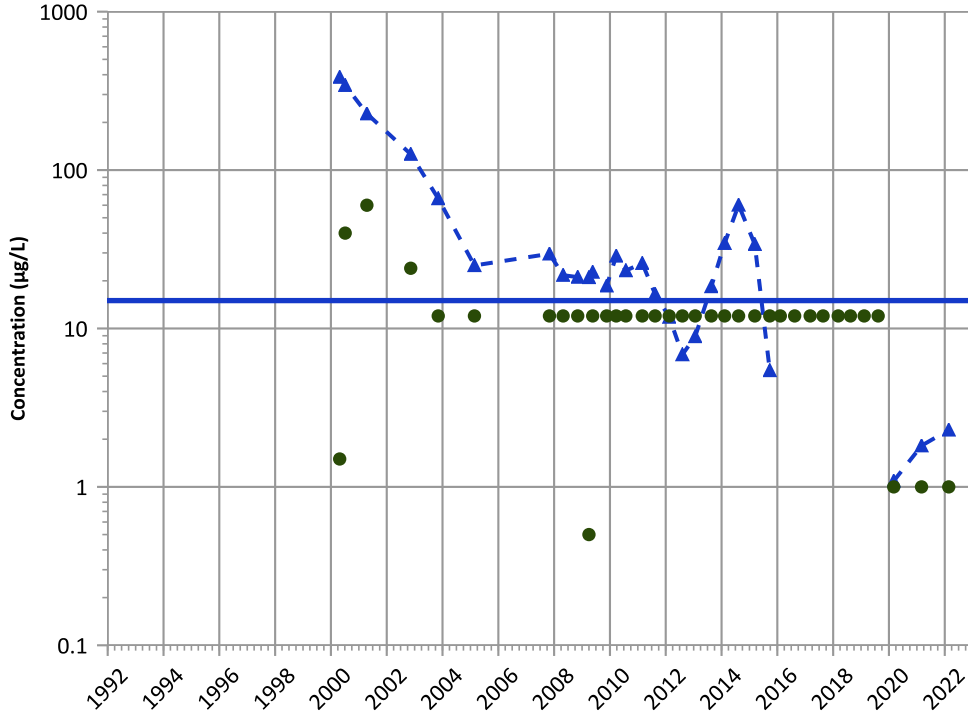
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

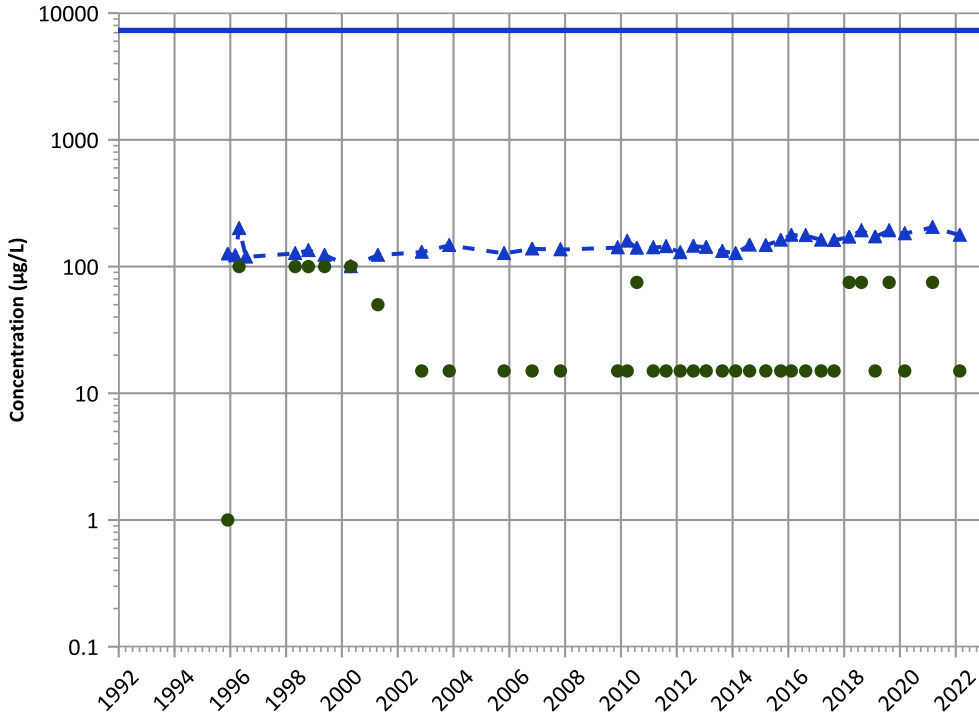


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Boron Trend



Concentration Trend

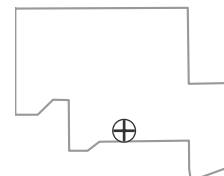
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

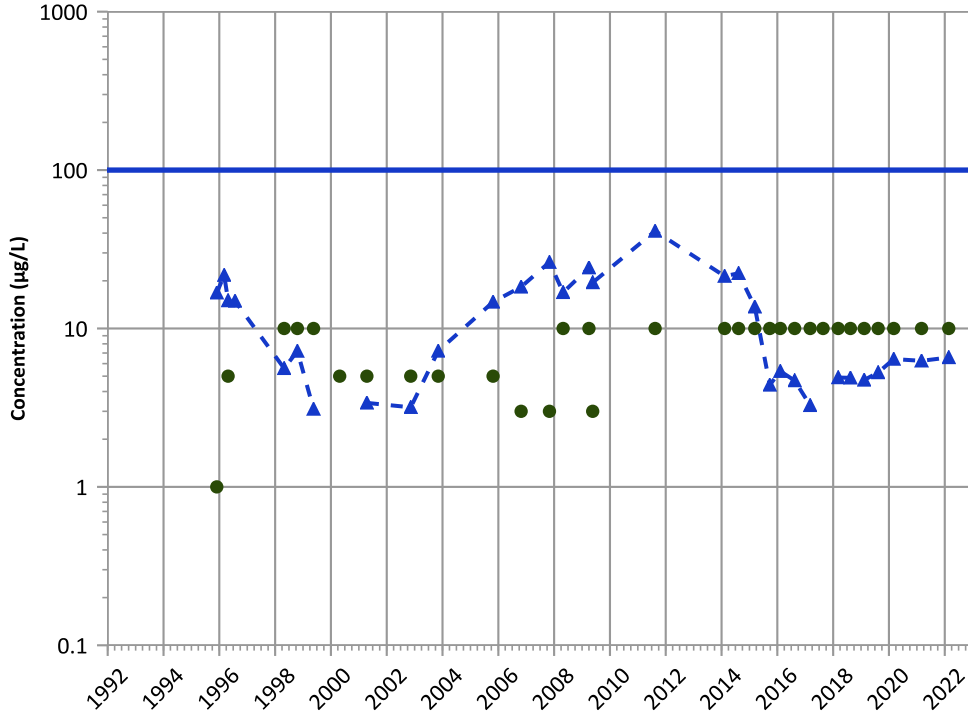
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

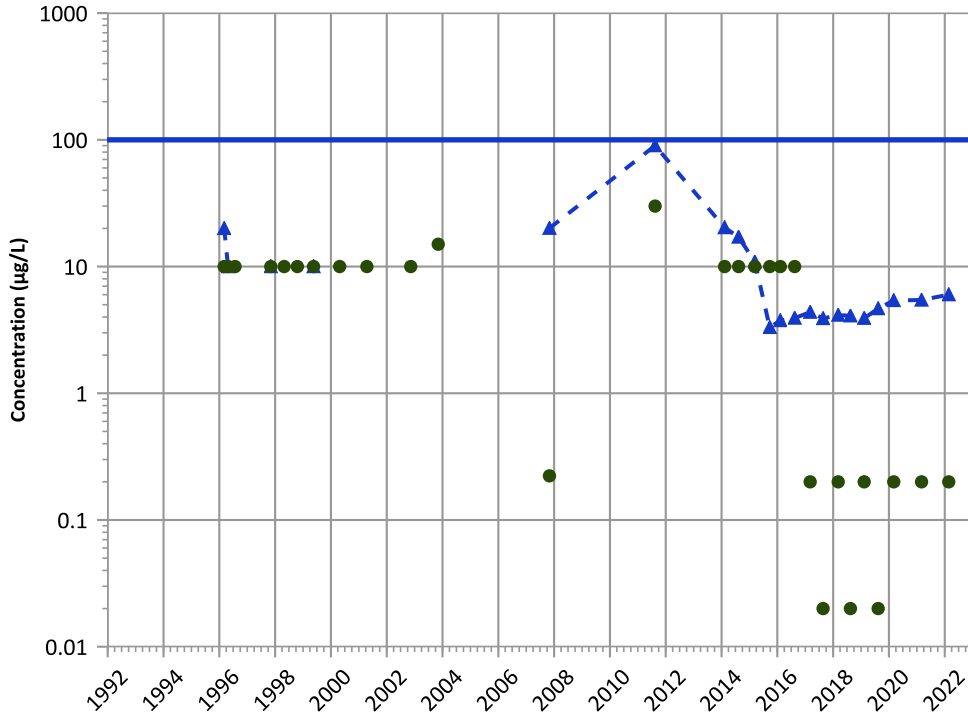


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Chromium, Hexavalent Trend



Concentration Trend

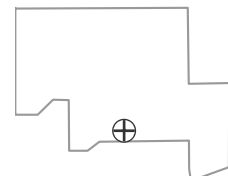
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

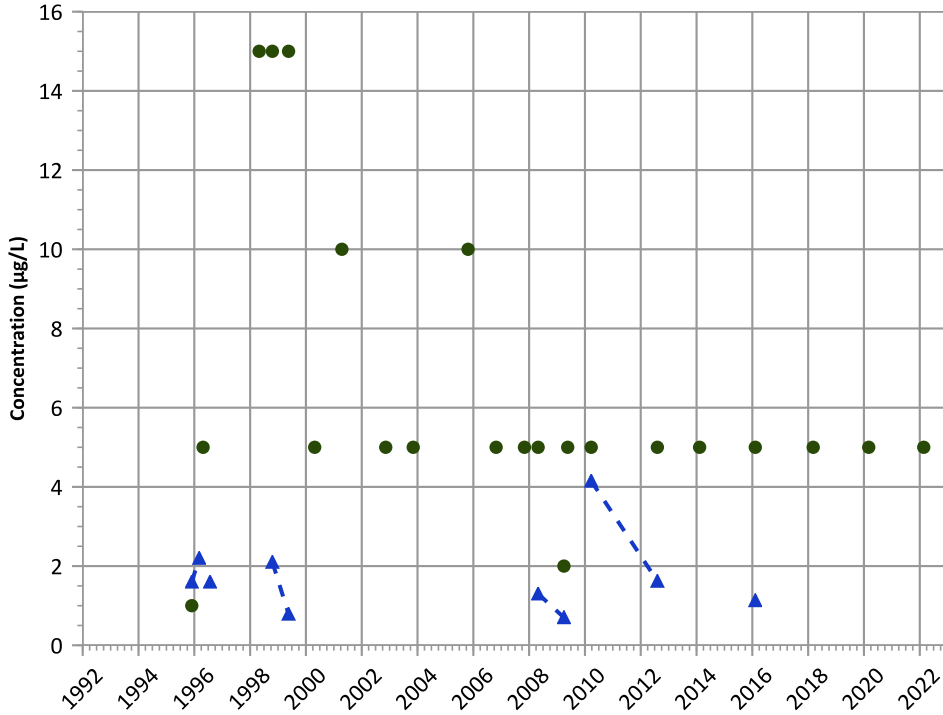
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

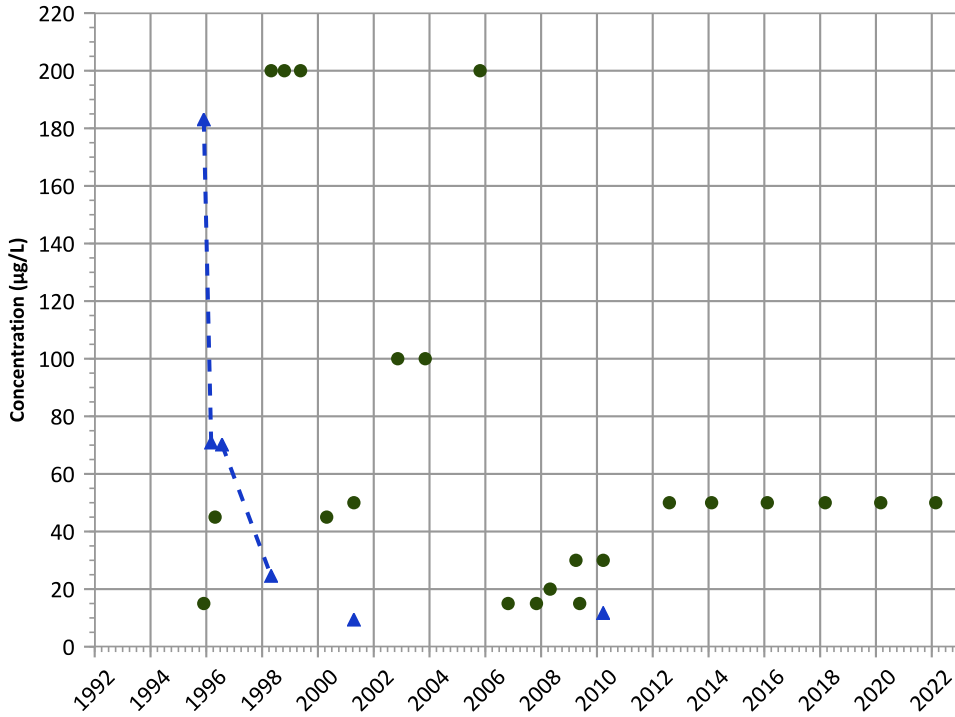


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

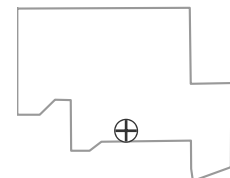
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

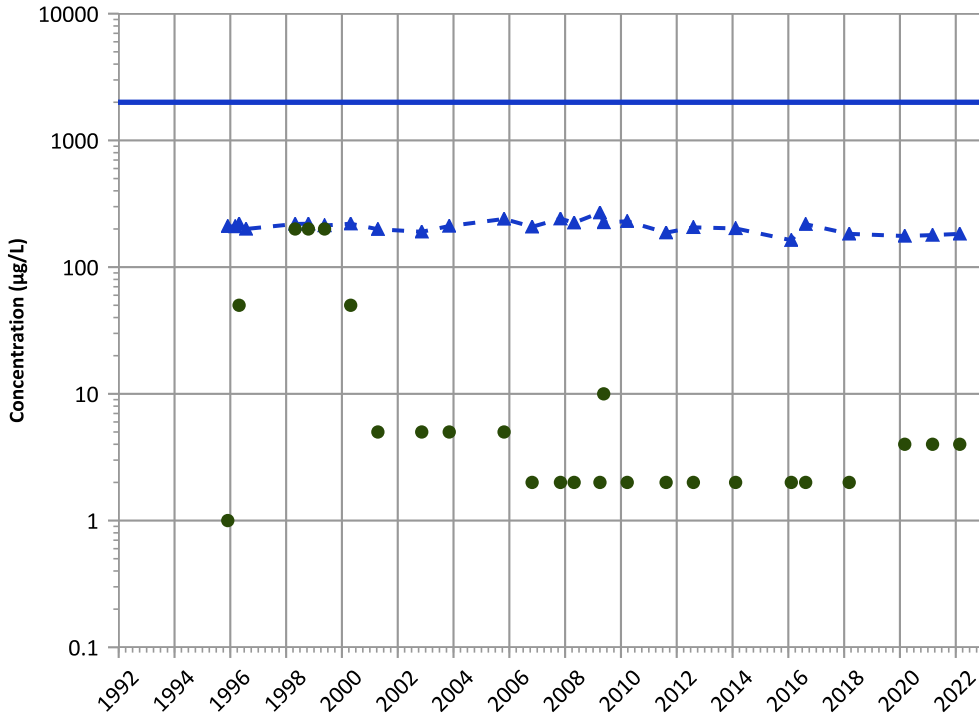
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

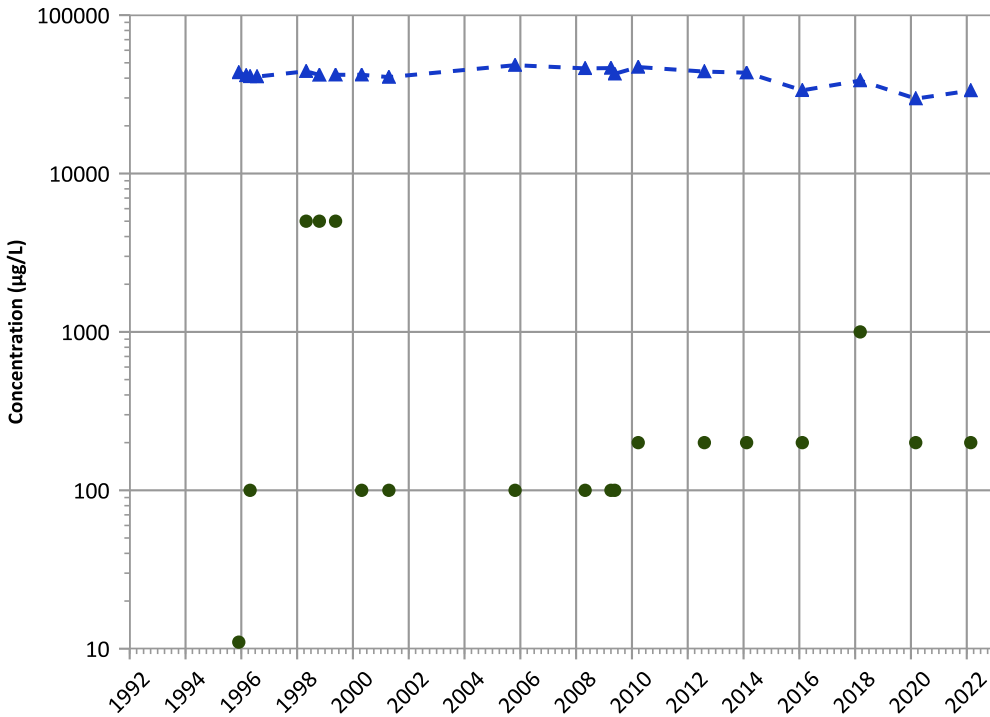


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

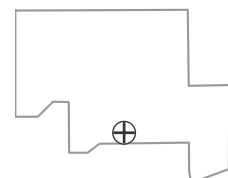
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

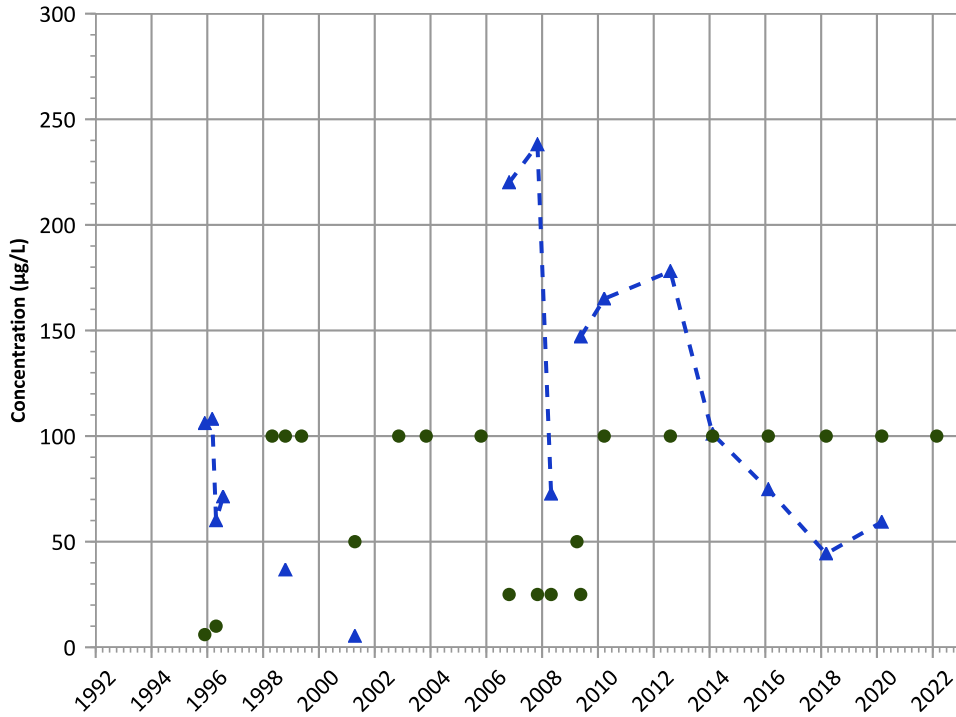
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

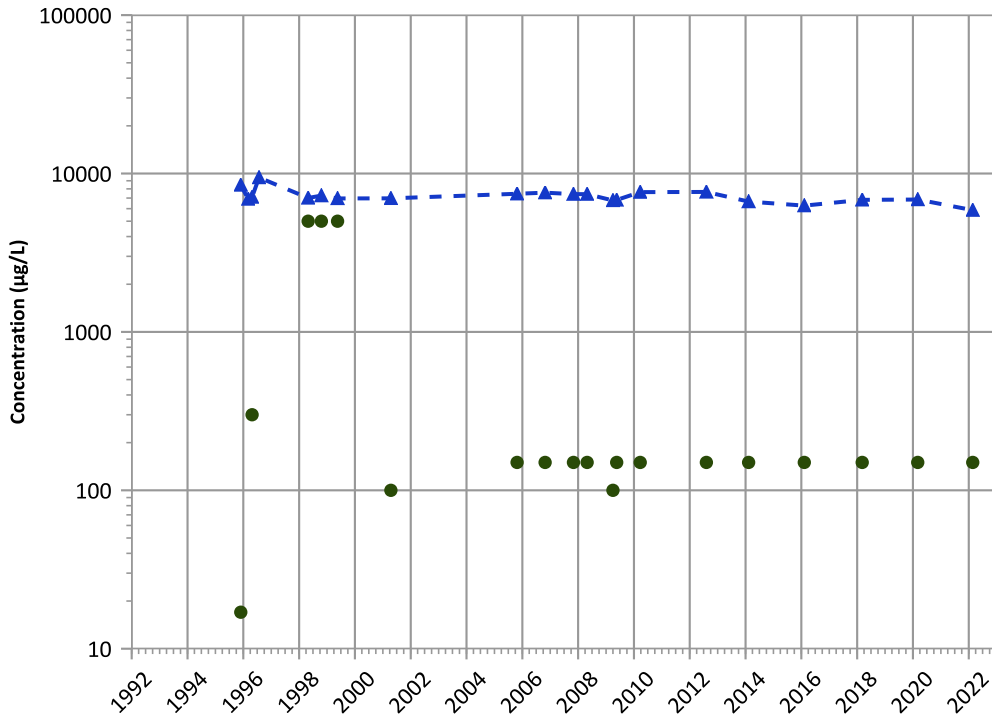


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

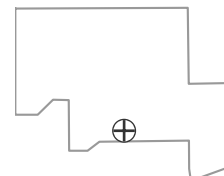
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

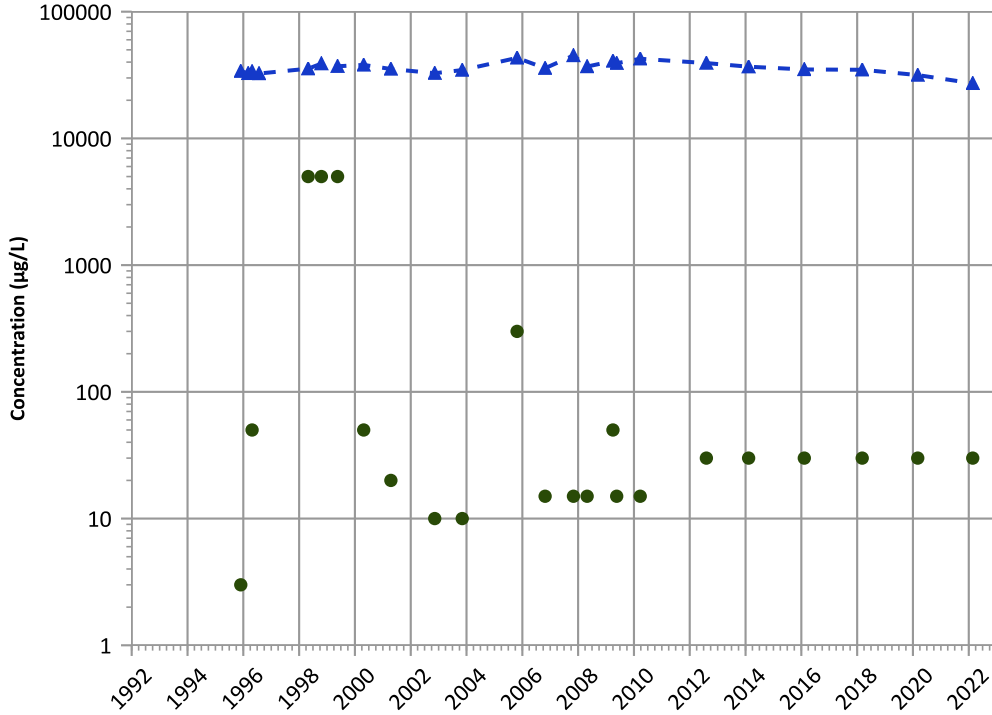
Well Location





PTX08-1005 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

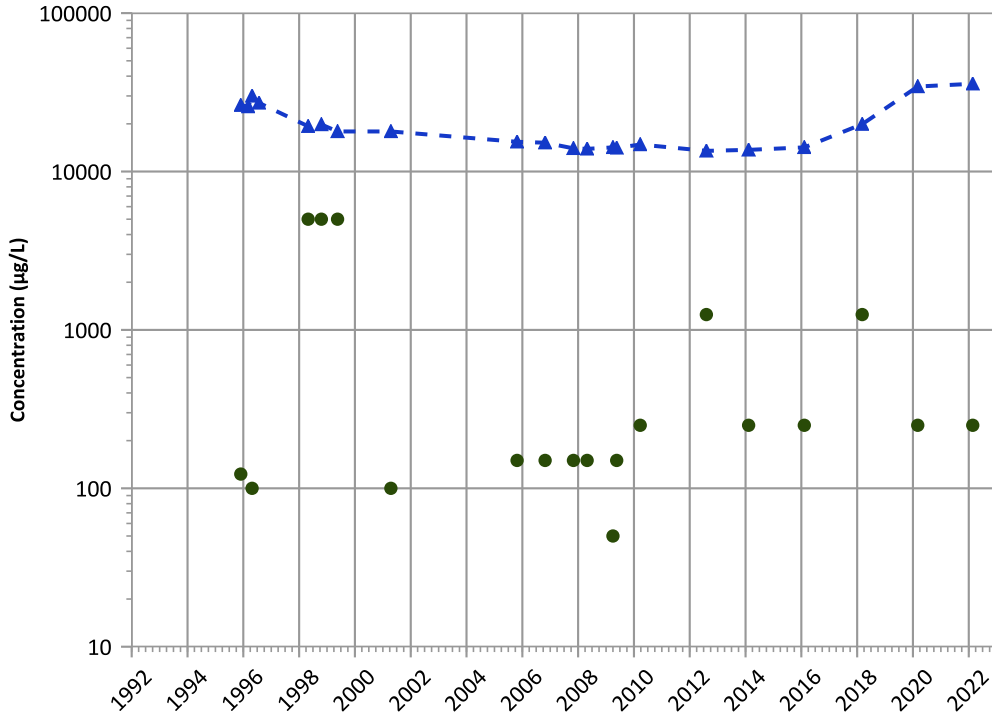
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

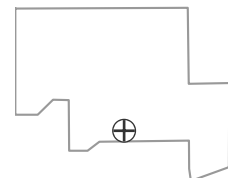
2020 - 2022 Data:

Increasing

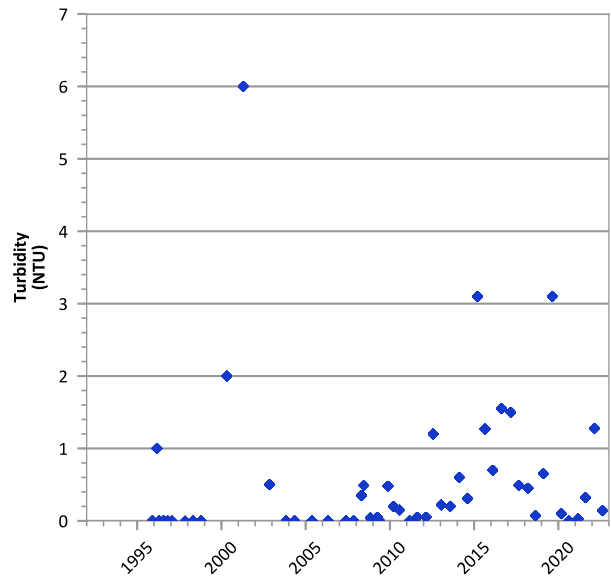
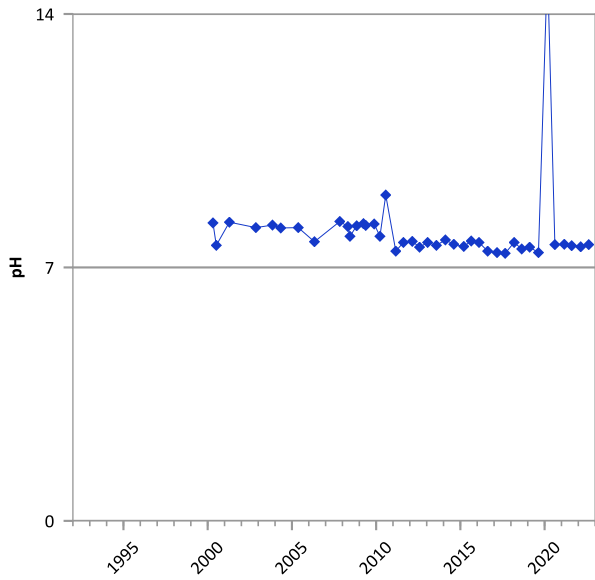
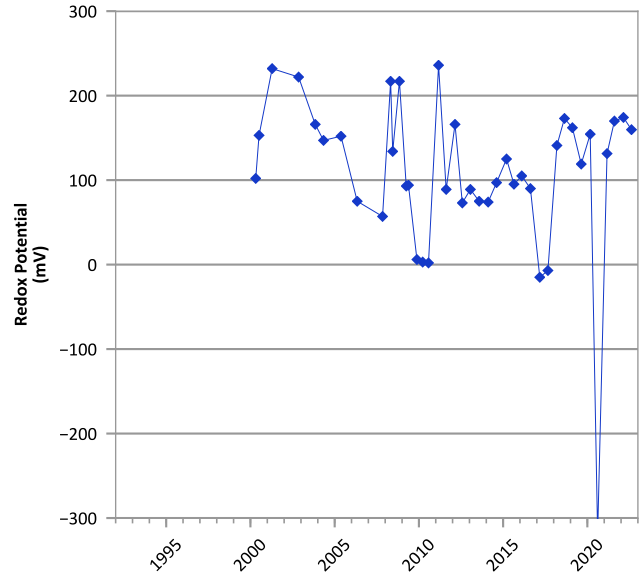
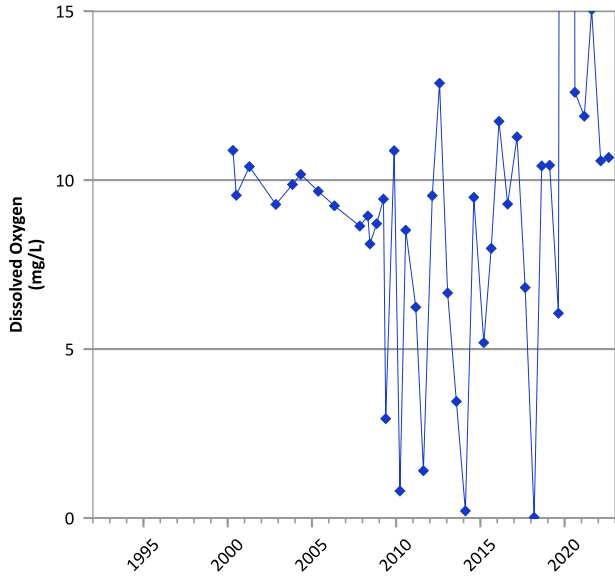
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/29/1995 to 02/22/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

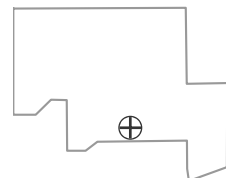


**PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



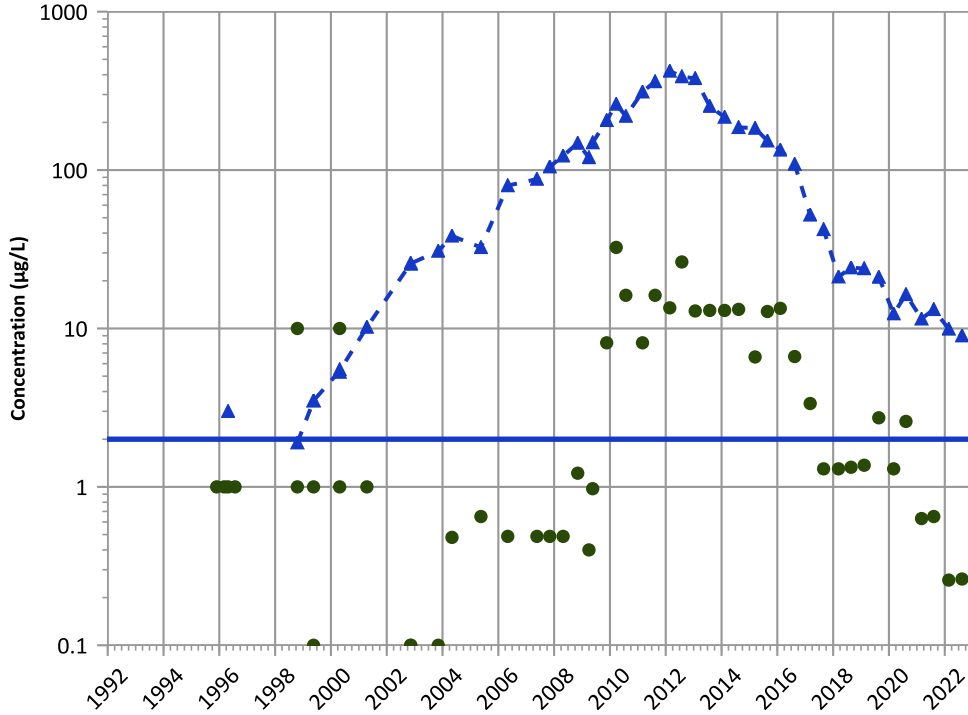
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/28/1995 to 08/15/2022  
 Analysis Date: 04/27/2023

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

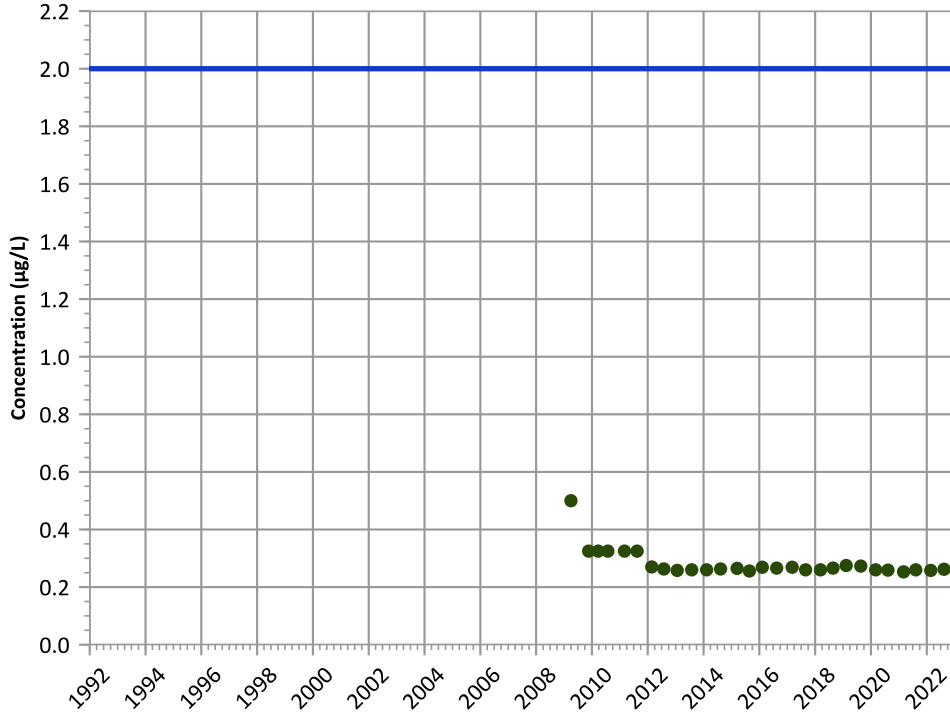
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

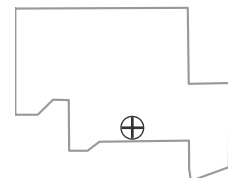
2020 - 2022 Data:

All Non-Detect

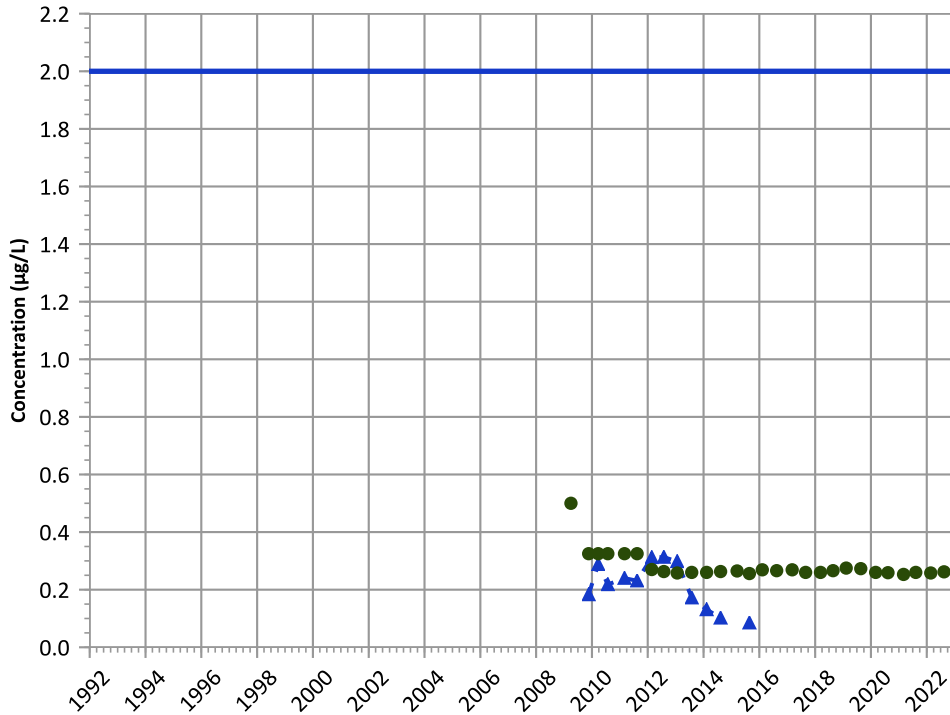
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

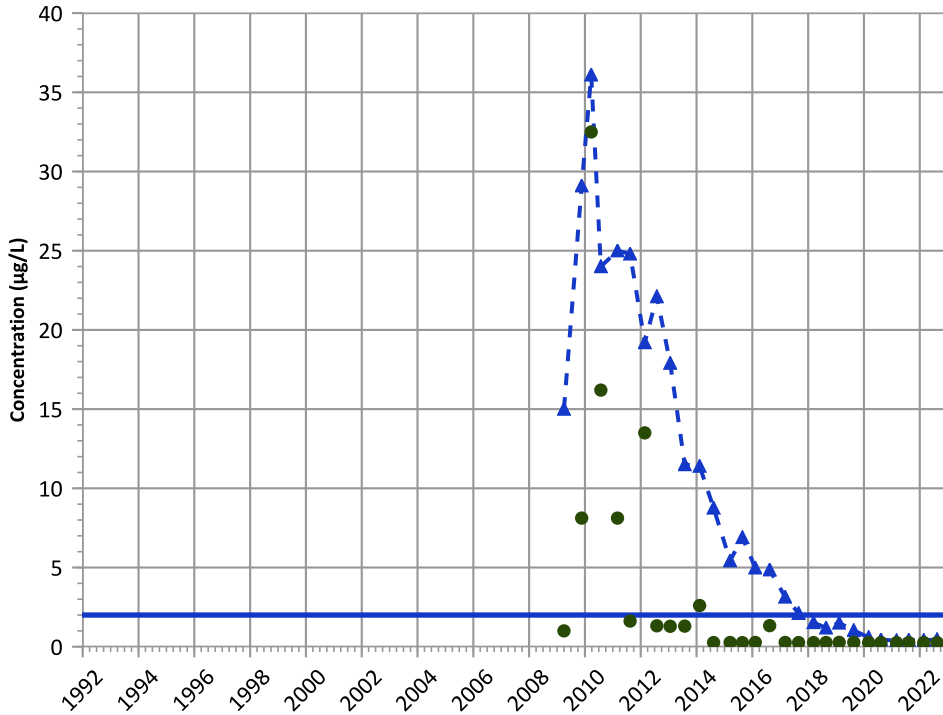


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

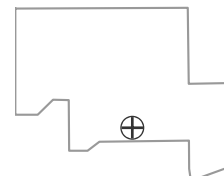
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

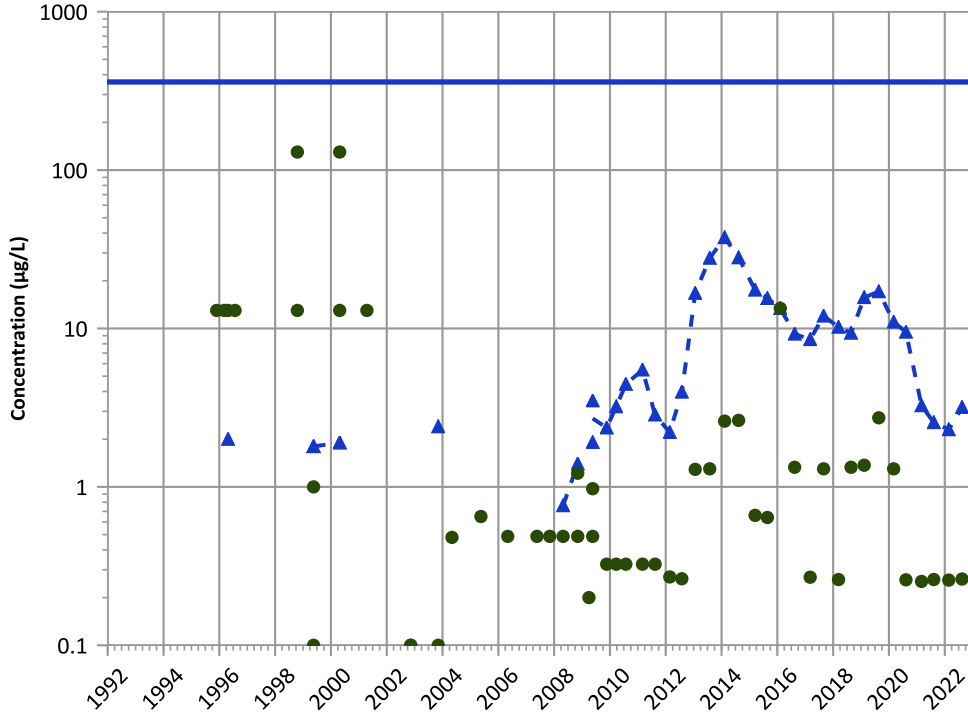
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

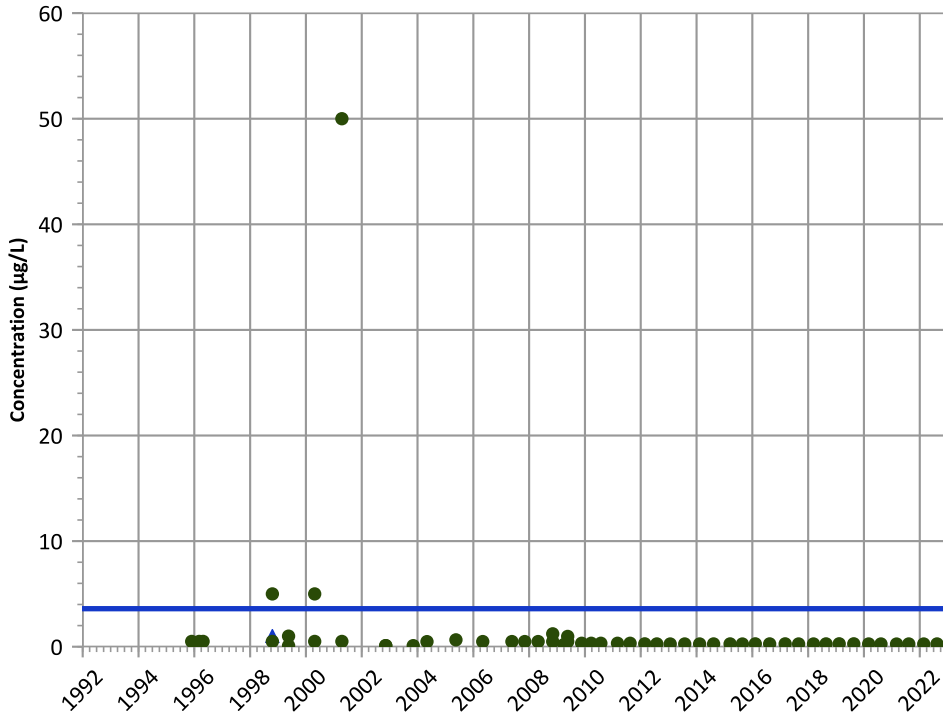


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

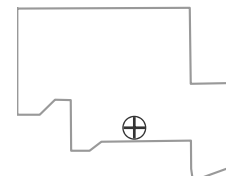
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

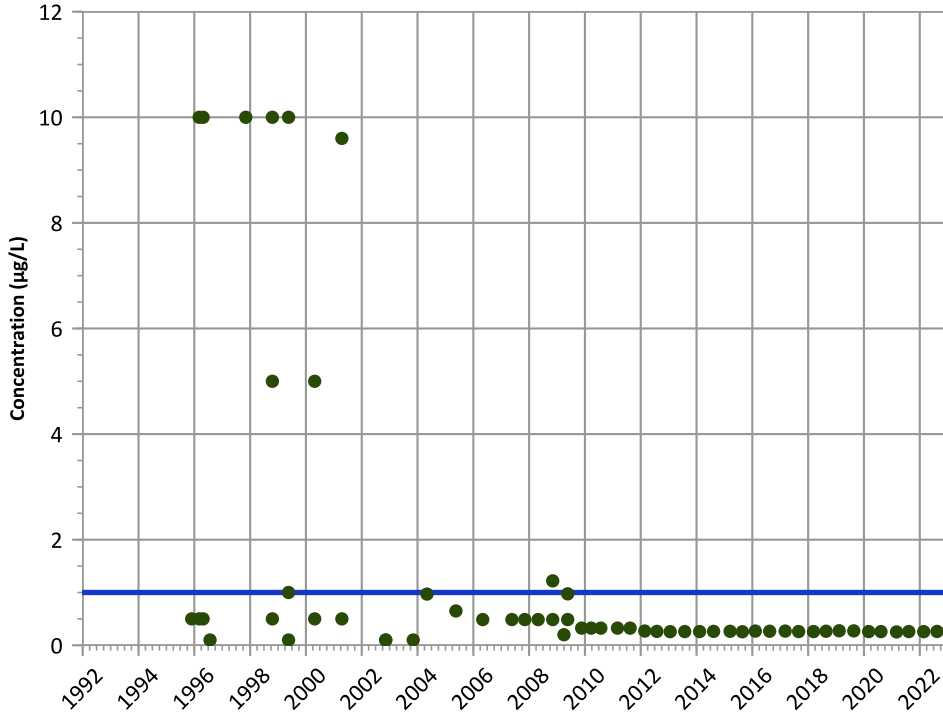
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

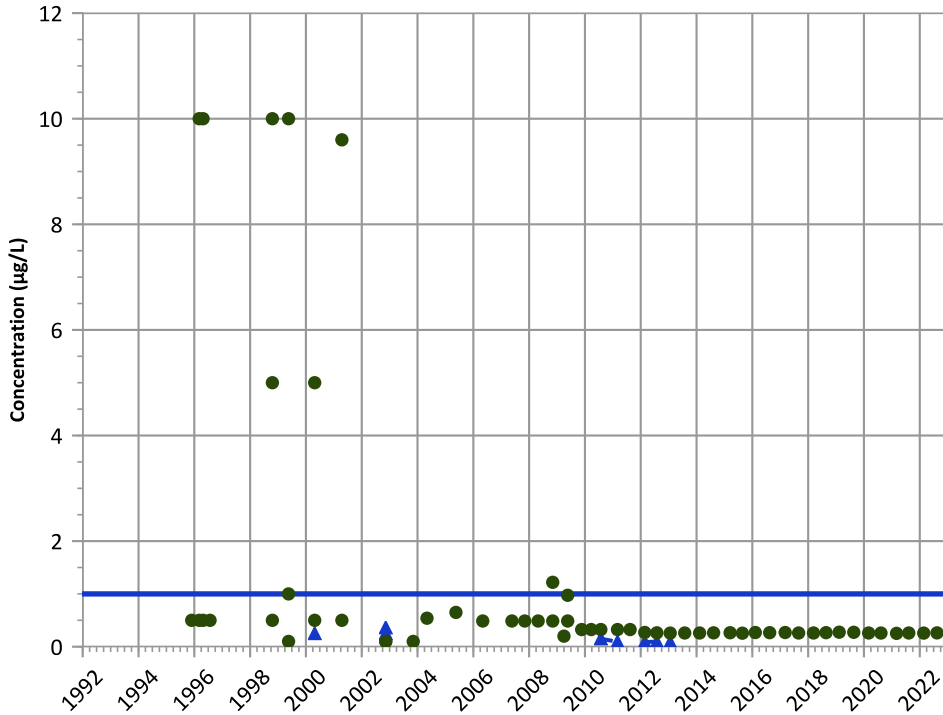
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

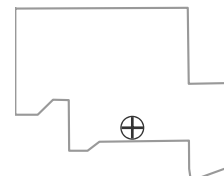
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

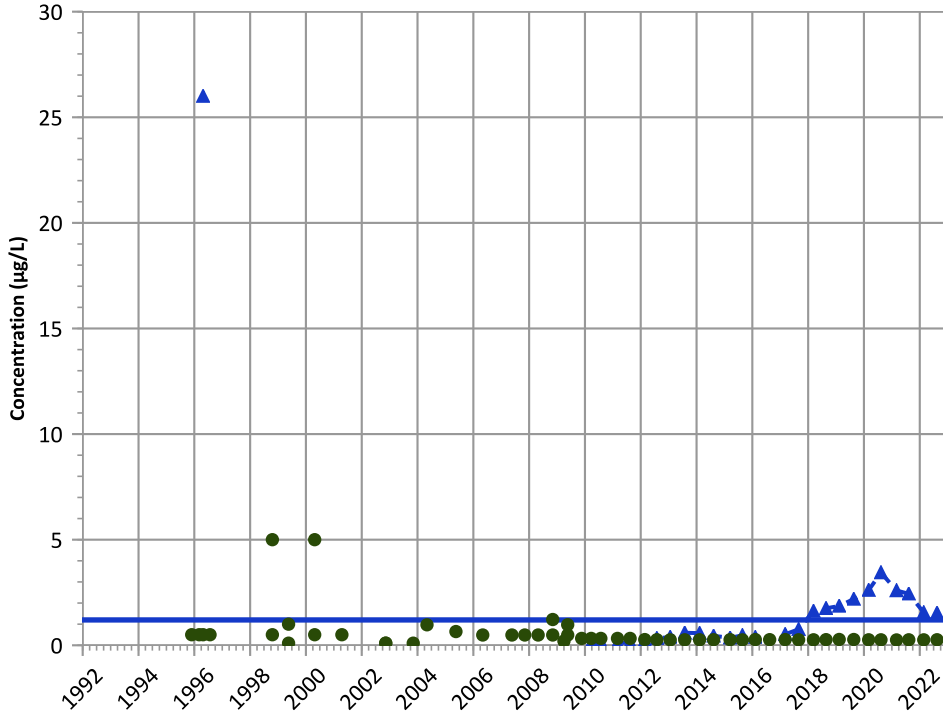
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

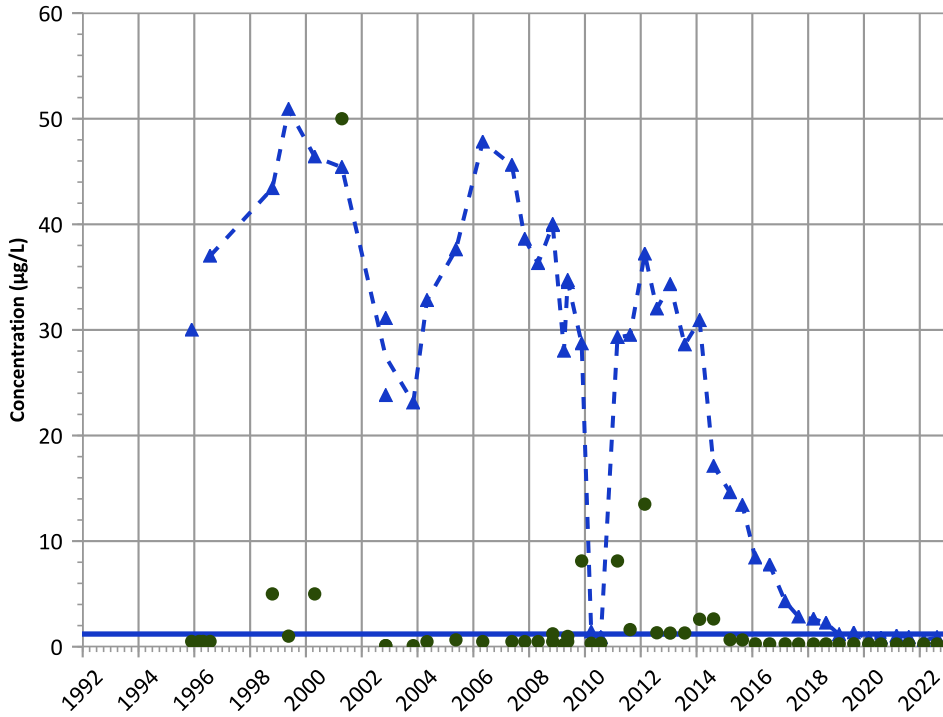
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

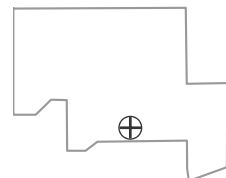
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

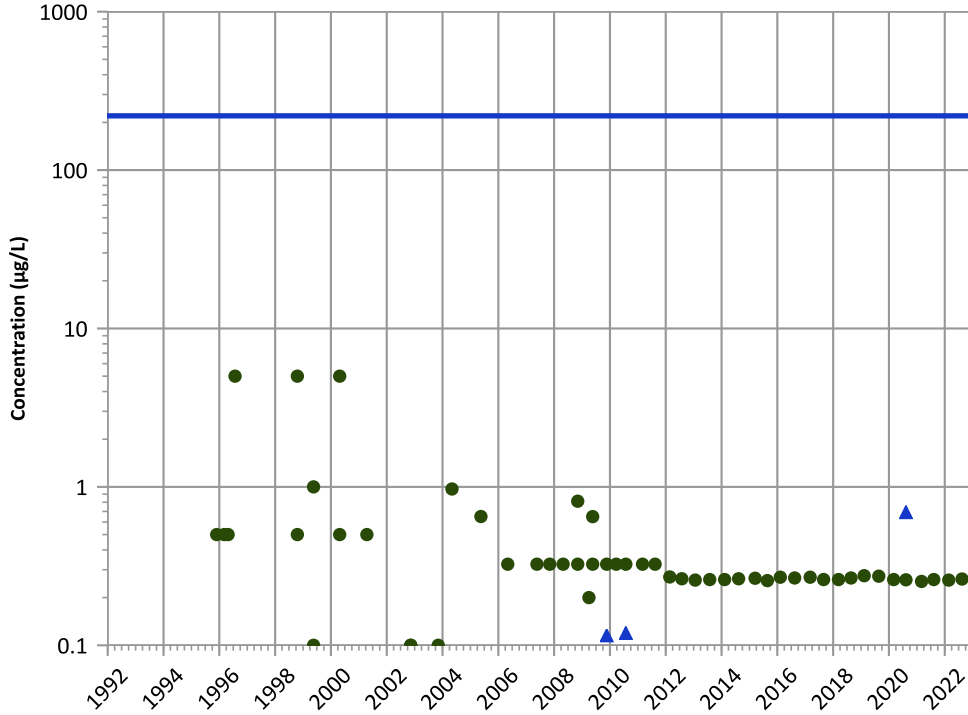
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

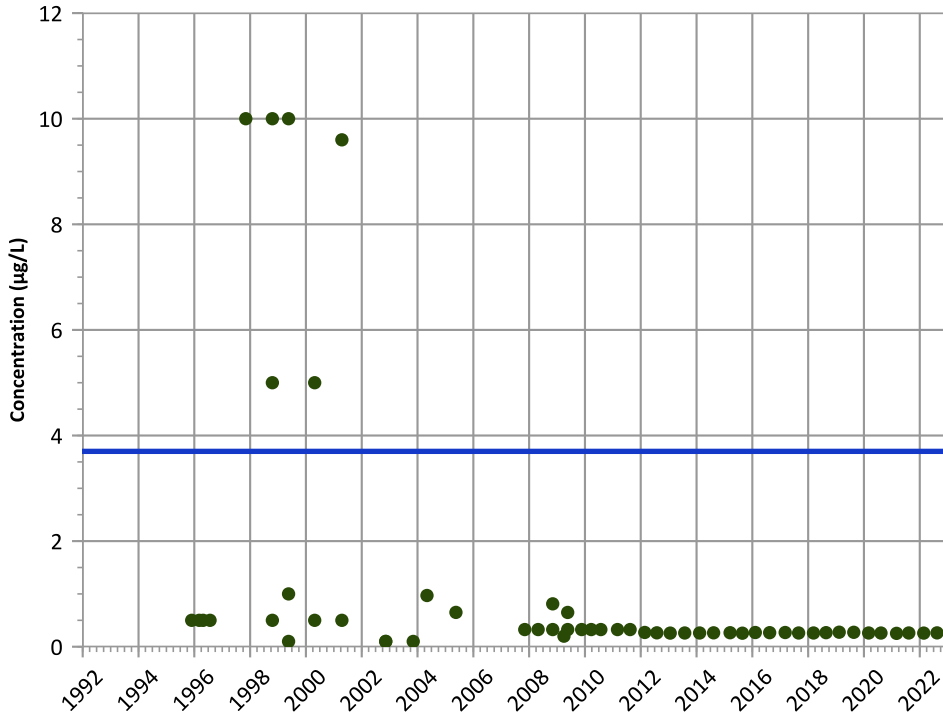


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

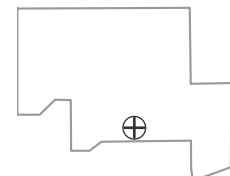
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

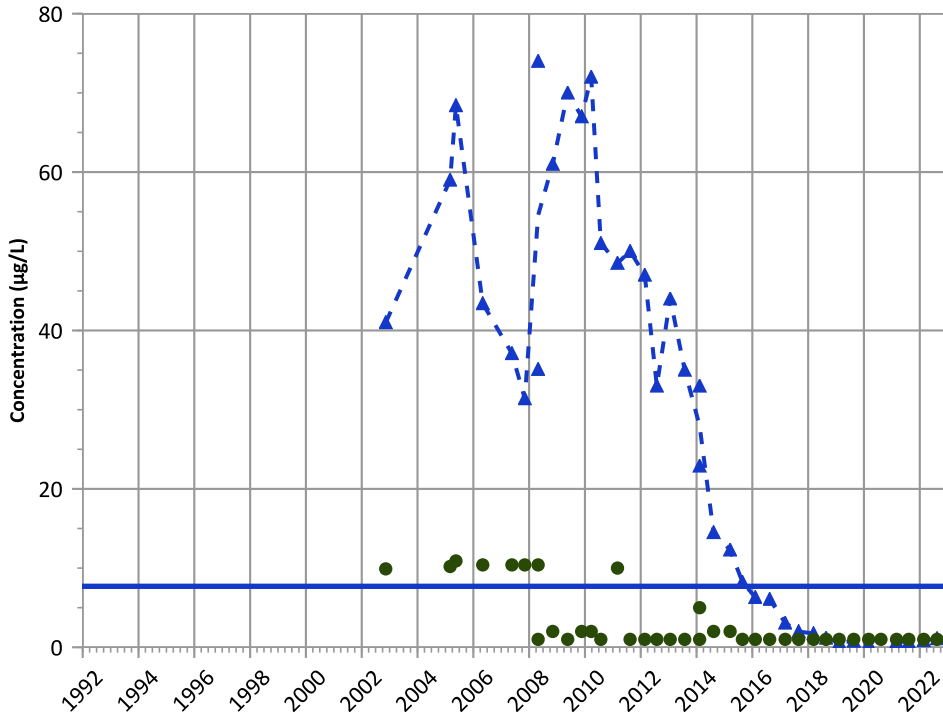
Well Location





PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

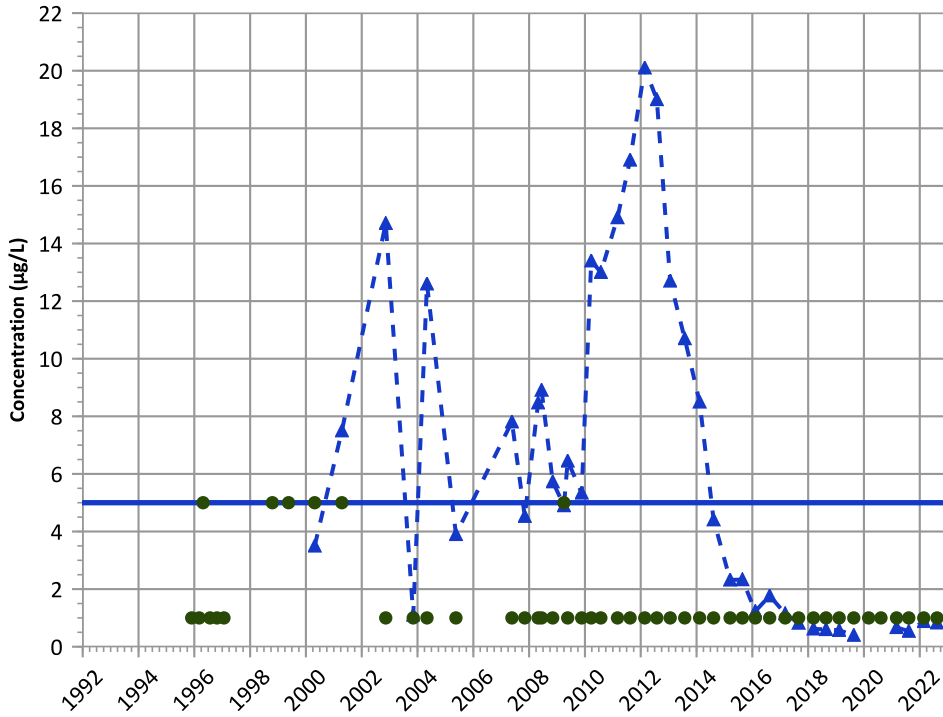


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend

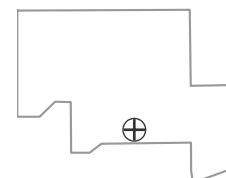


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

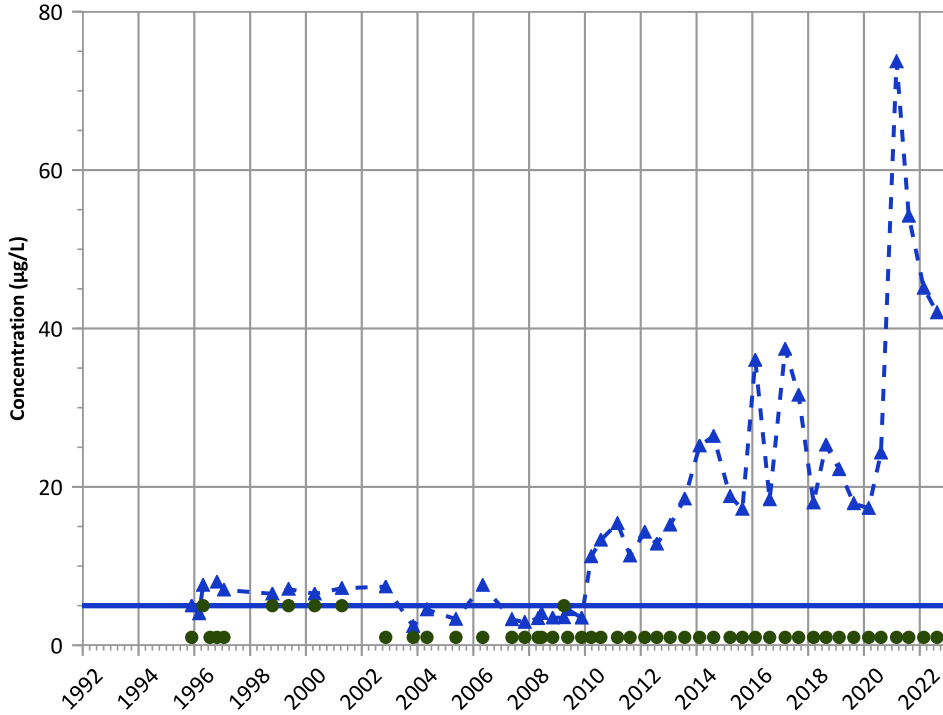


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

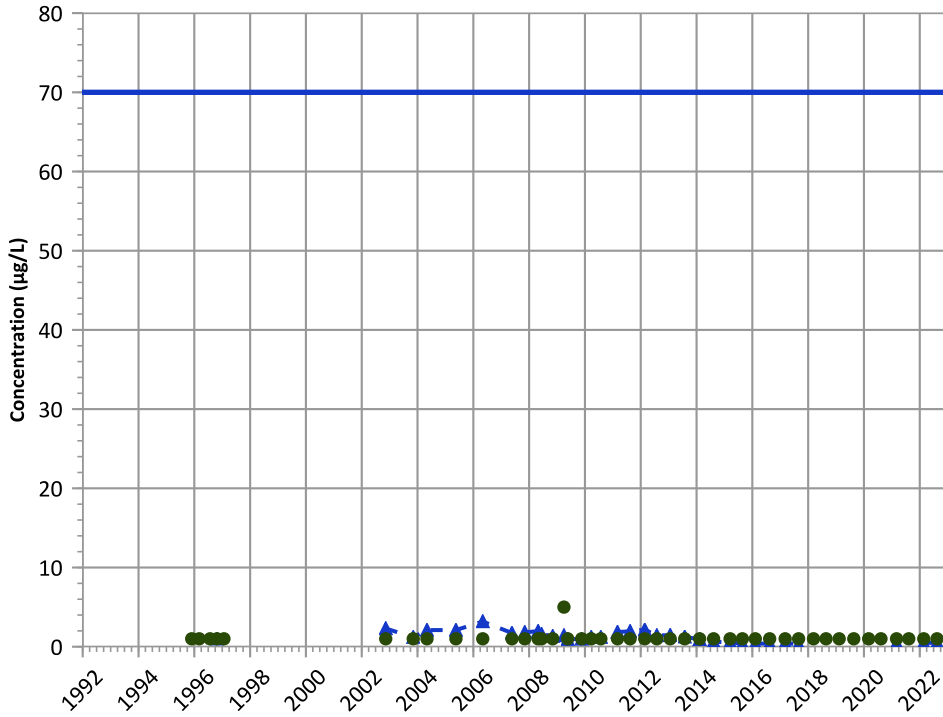
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

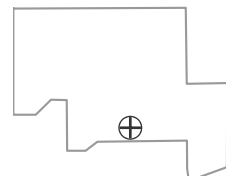
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

Well Location

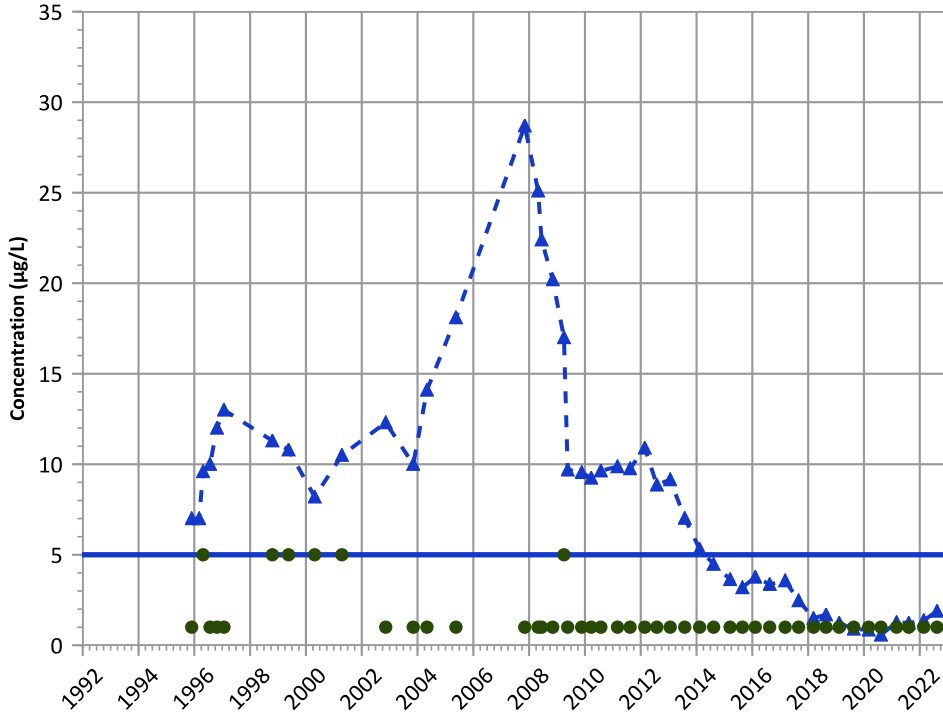


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend

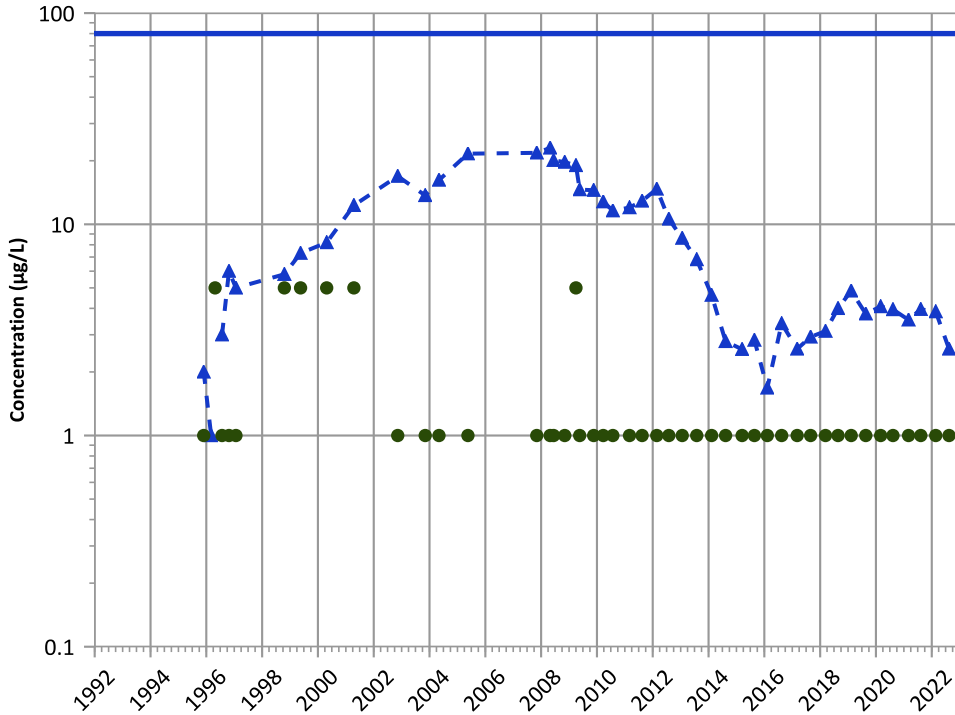


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Chloroform Trend



Concentration Trend

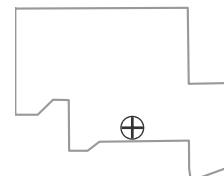
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

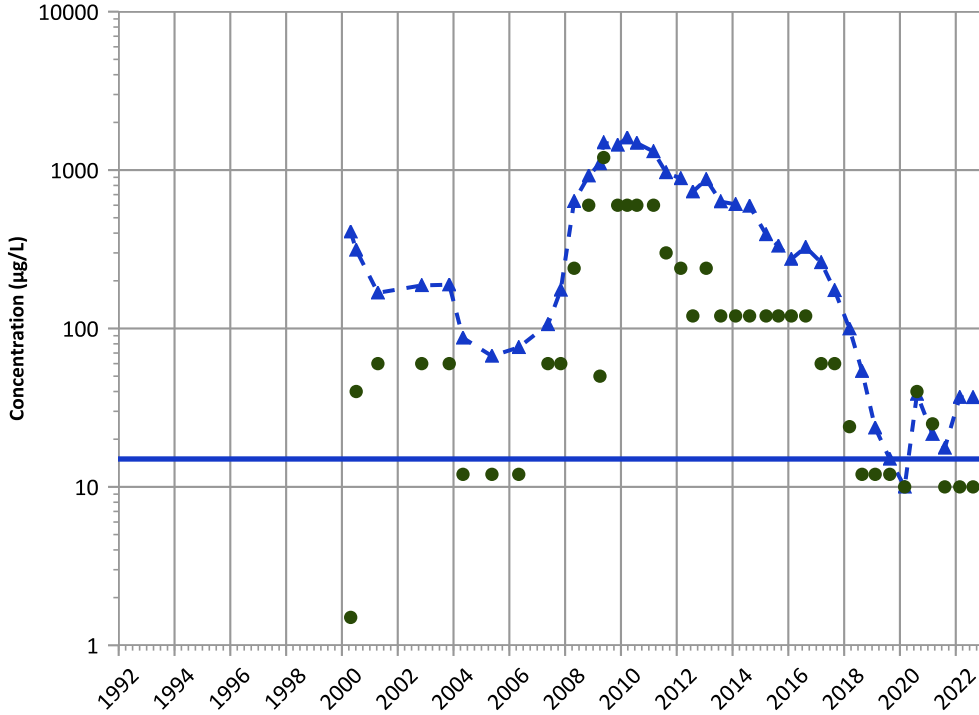
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

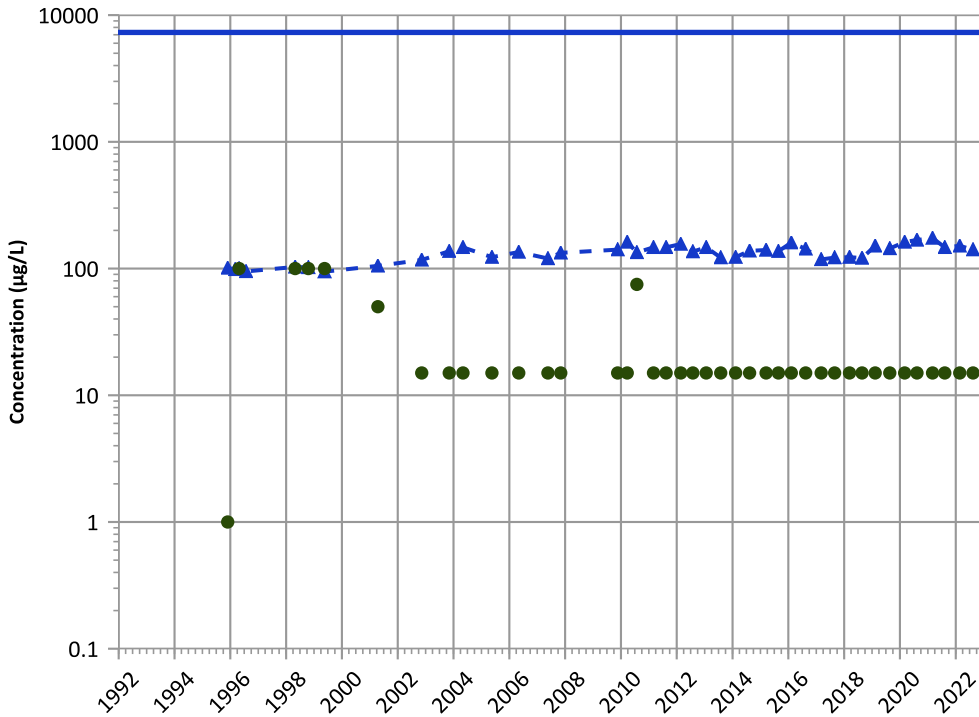


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

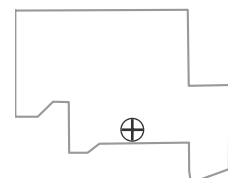
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

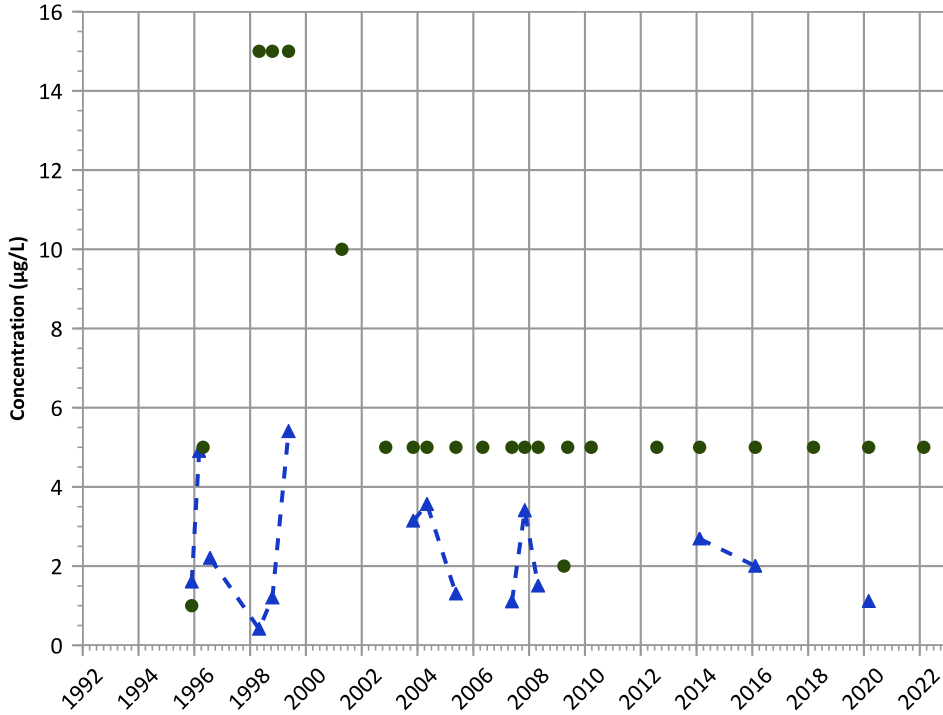
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

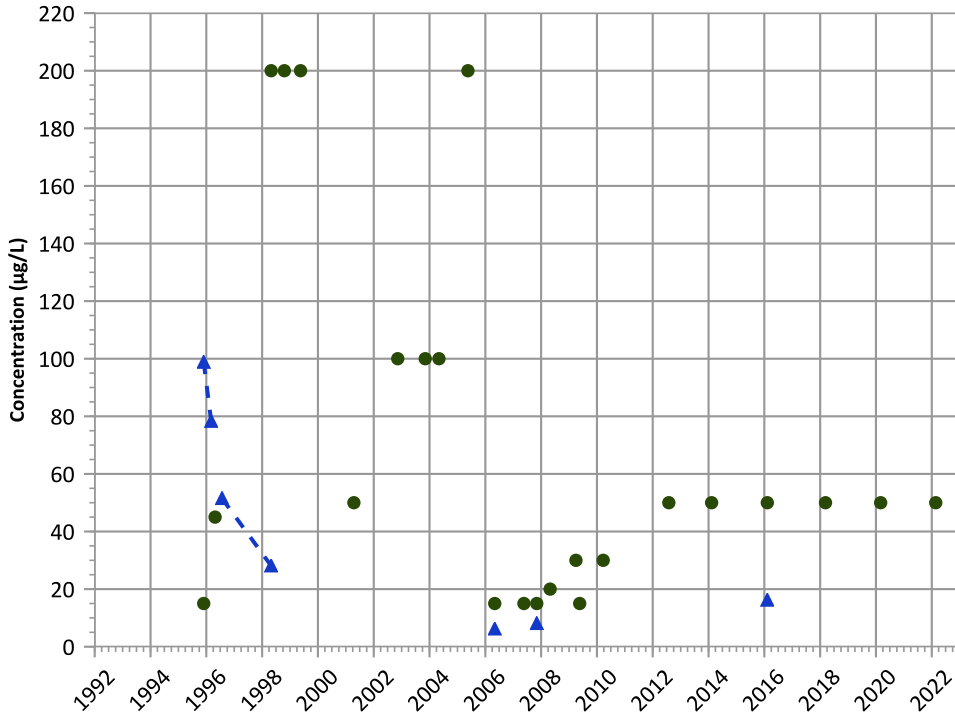


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Aluminum Trend

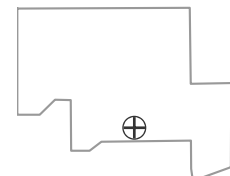


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Well Location

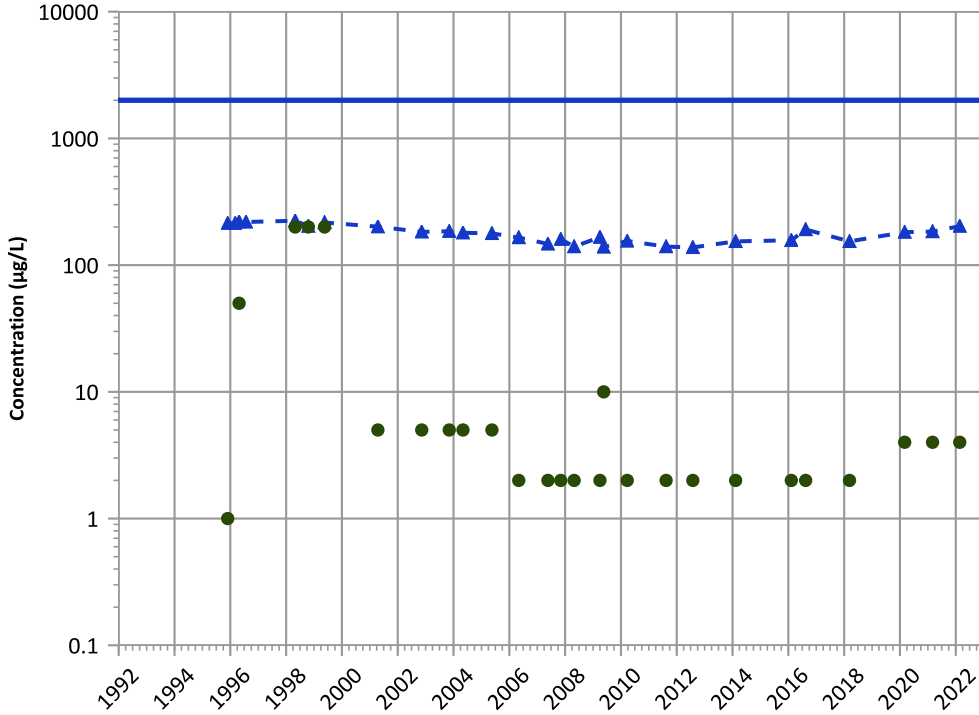


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

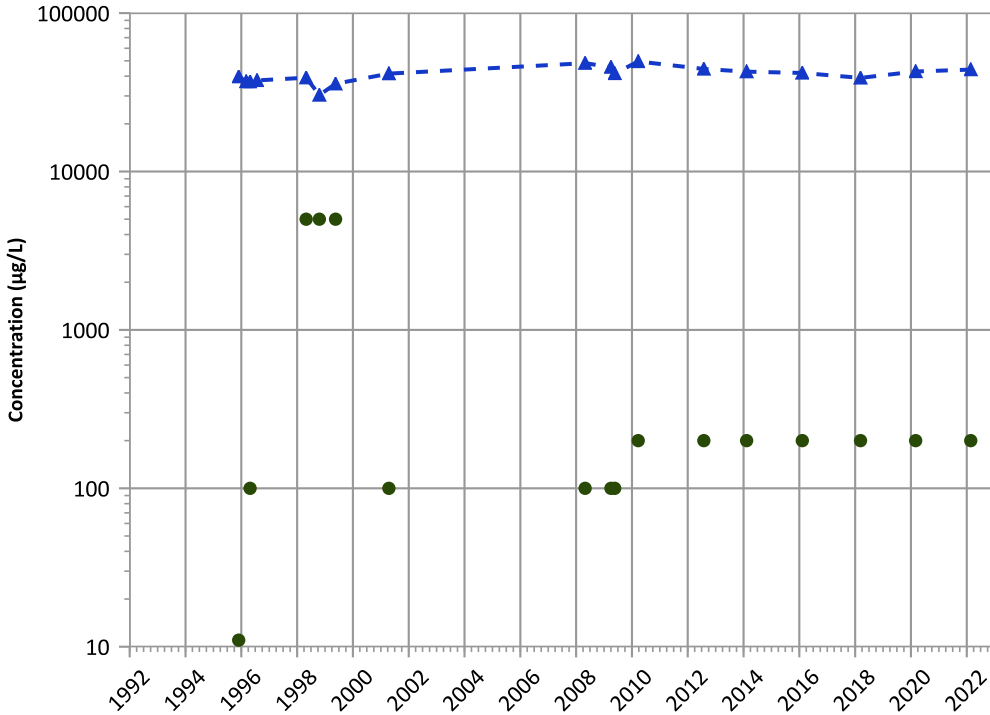


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

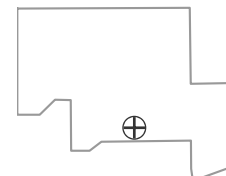
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

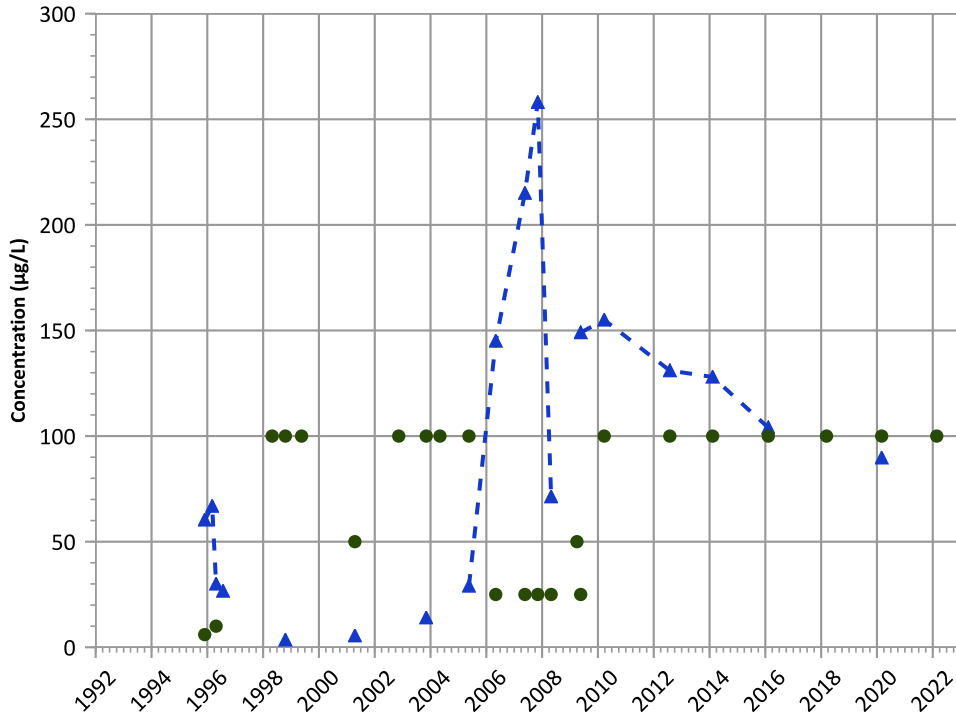
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

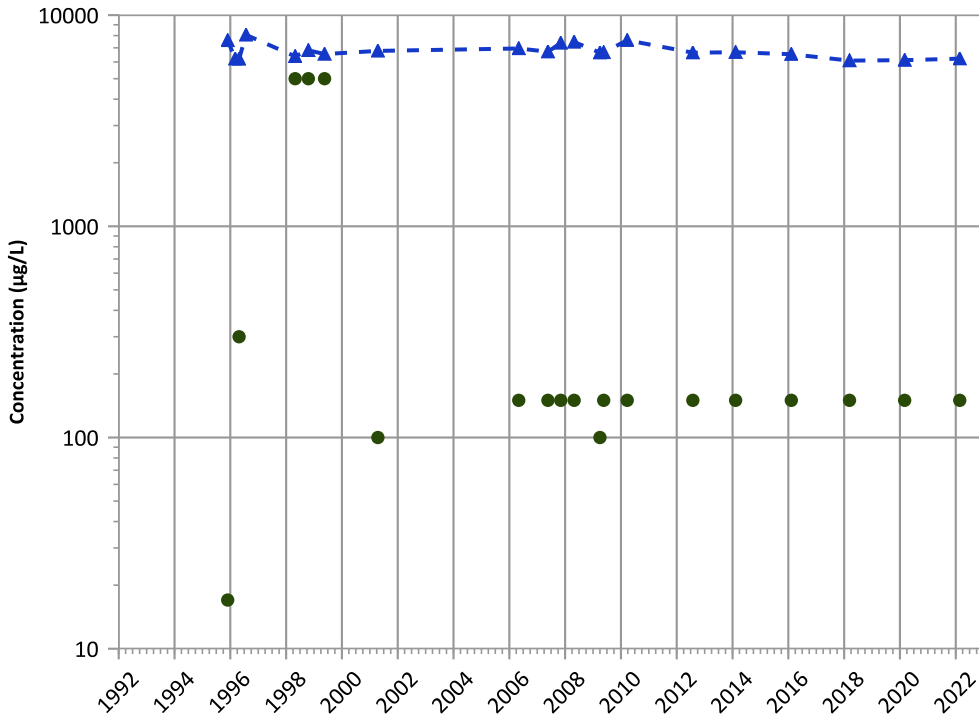


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Potassium Trend



Concentration Trend

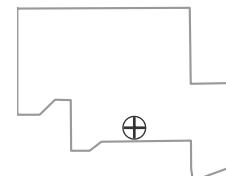
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

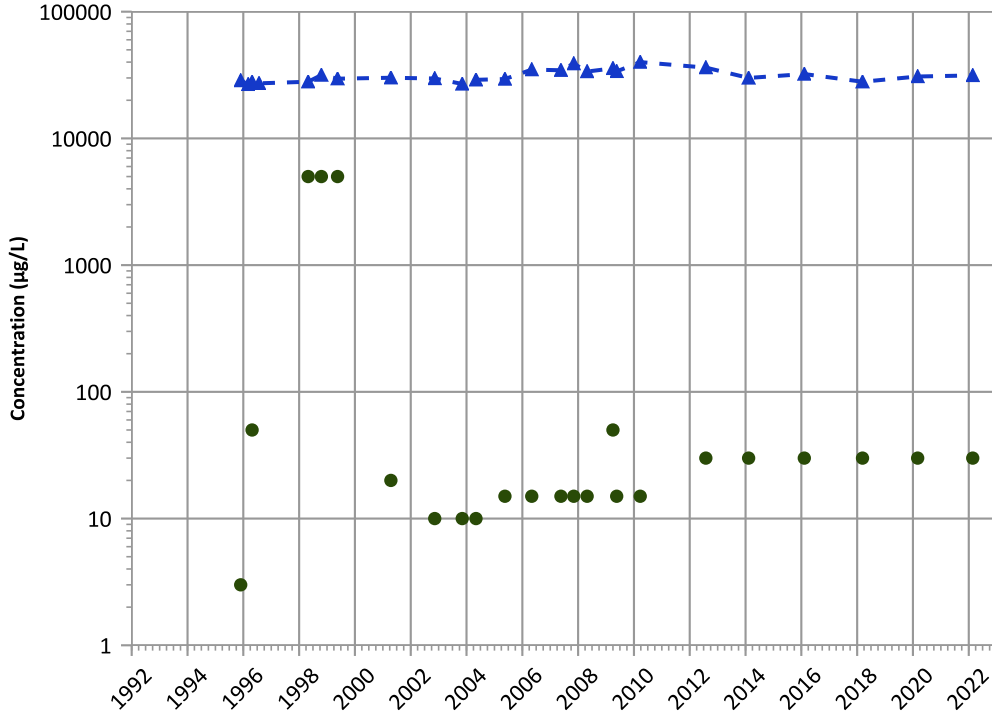
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

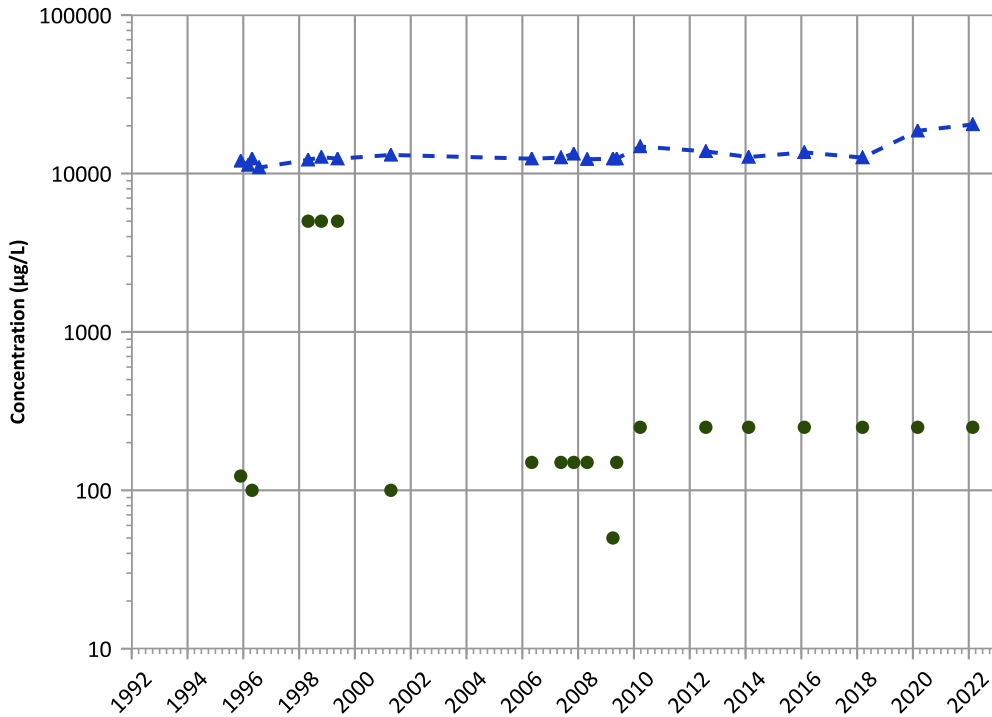
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

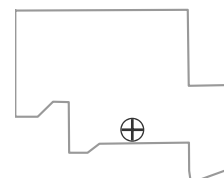
2020 - 2022 Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/28/1995 to 08/15/2022  
Analysis Date: 04/27/2023

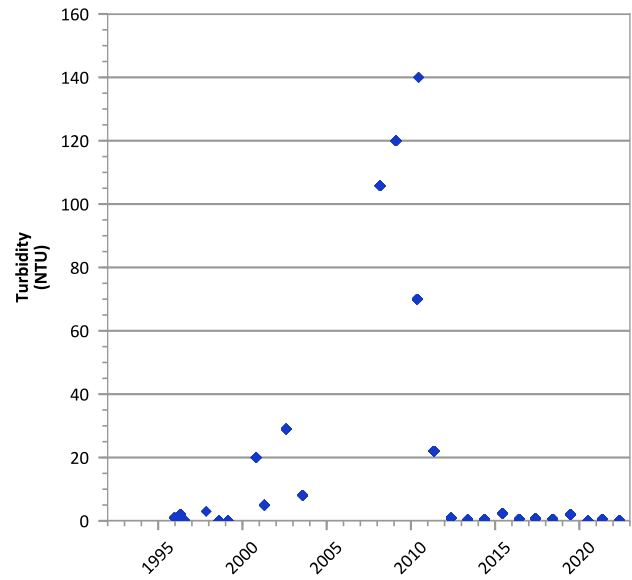
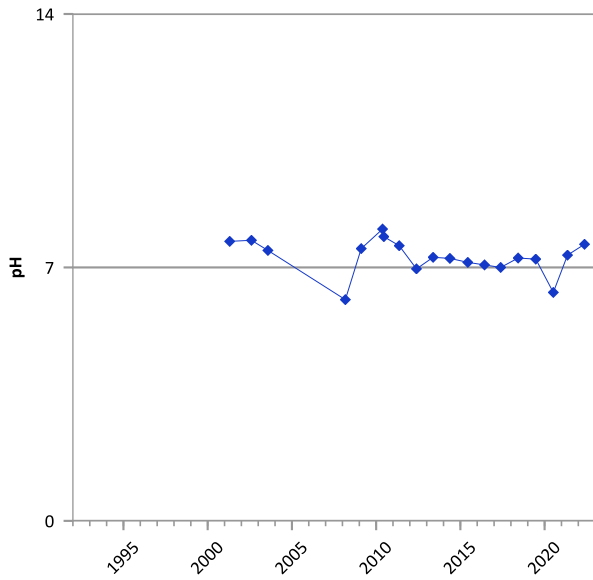
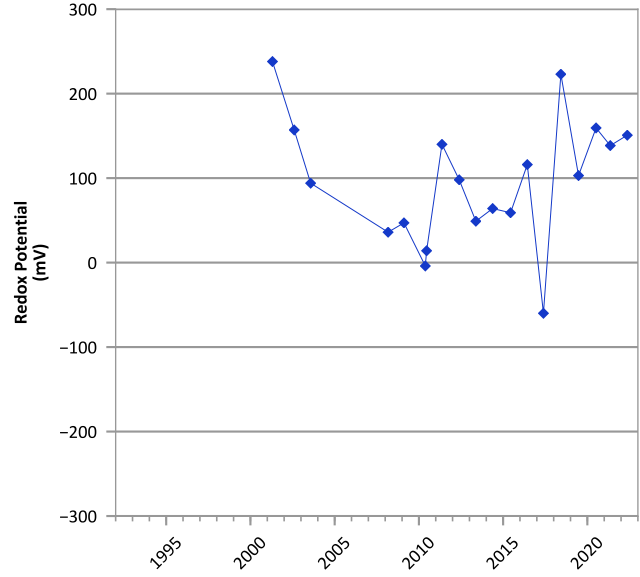
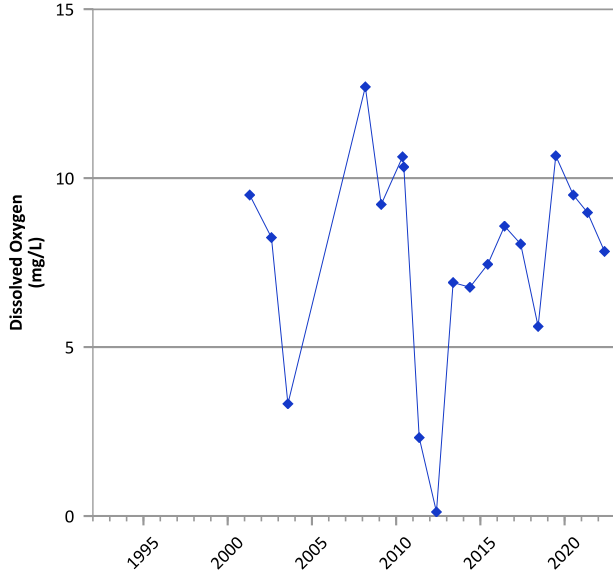
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



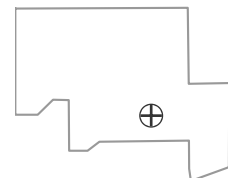


**PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



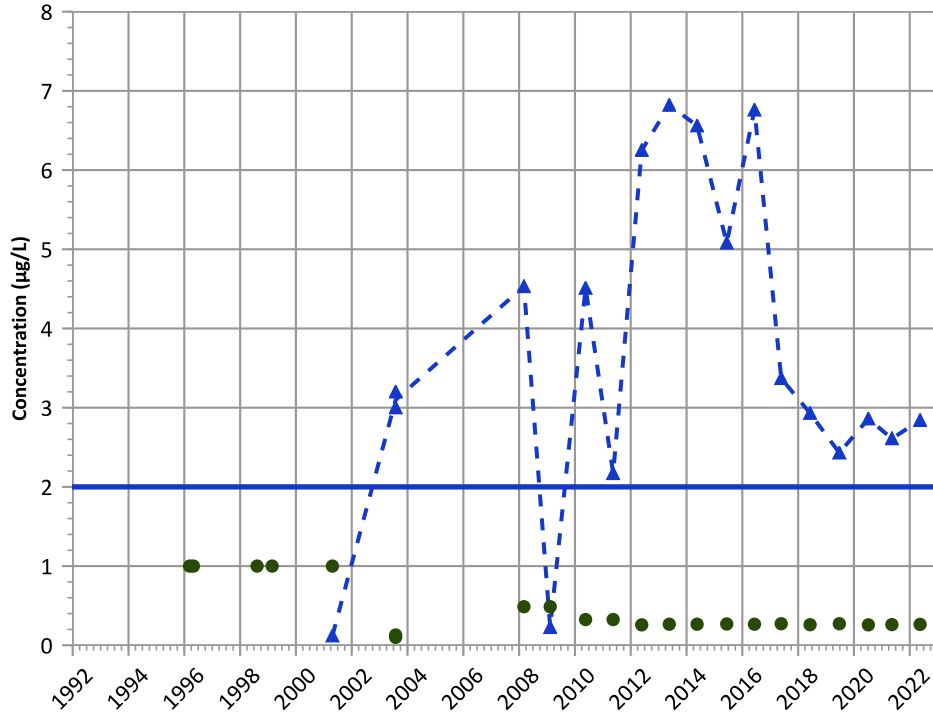
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 12/20/1995 to 05/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

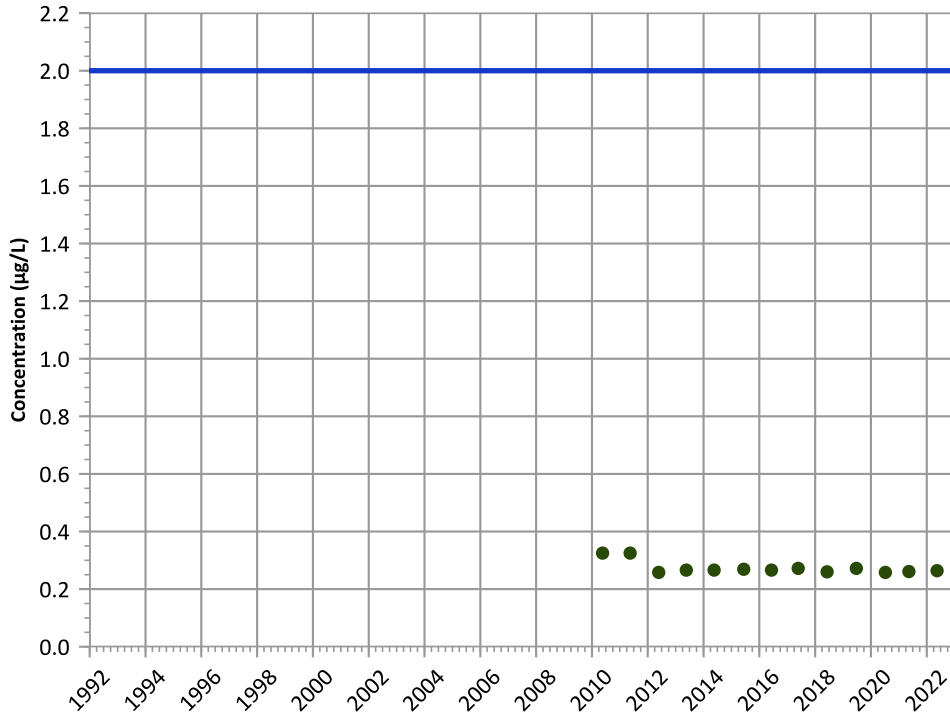


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

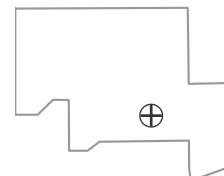
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

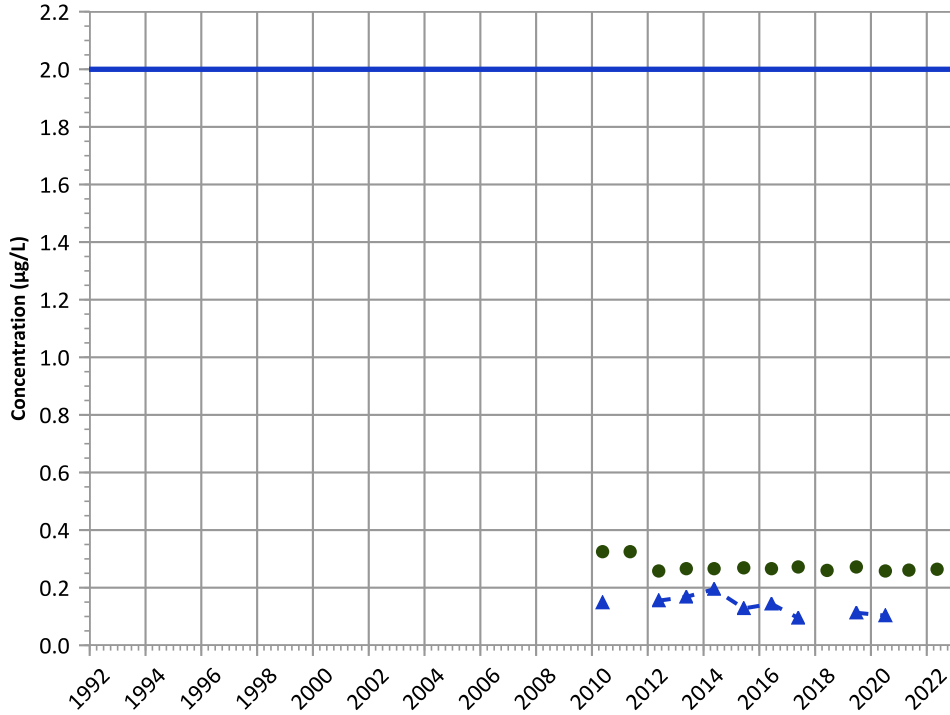
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

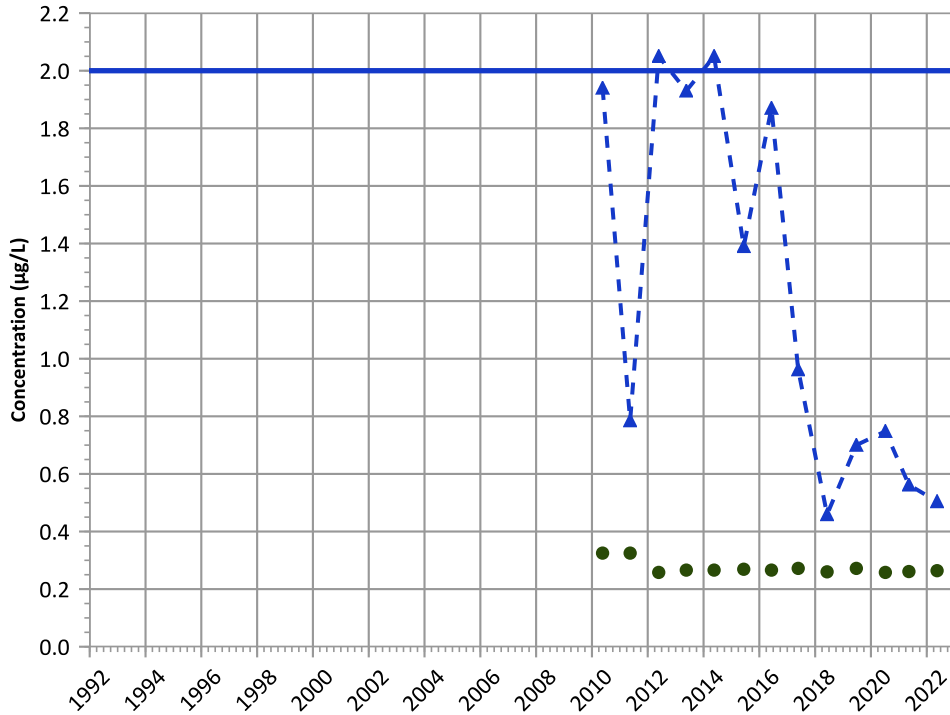


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

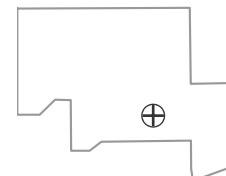
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

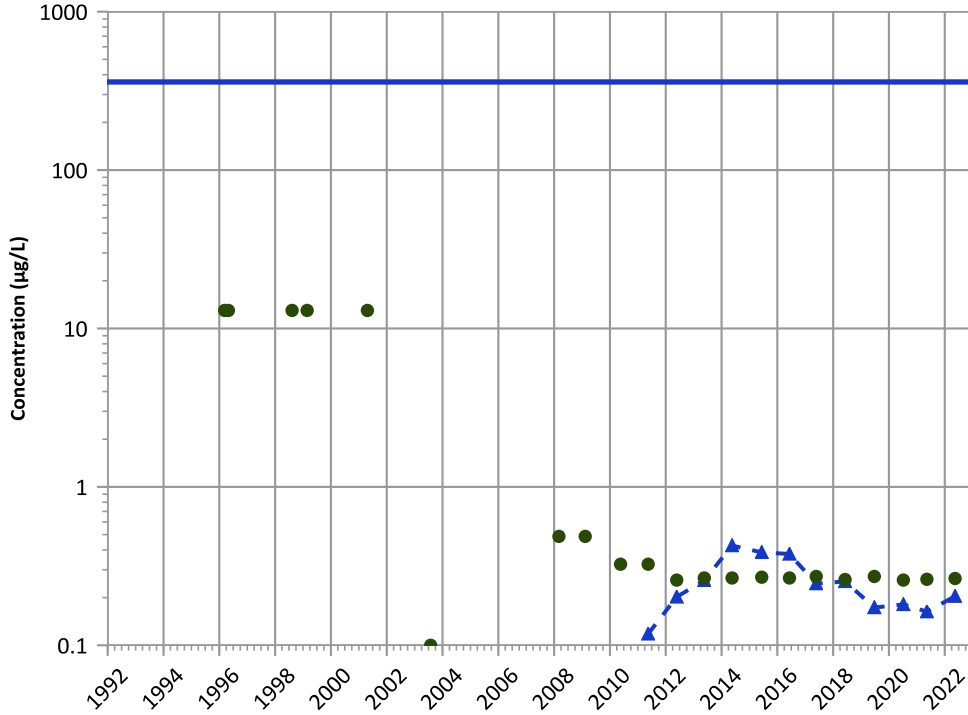
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

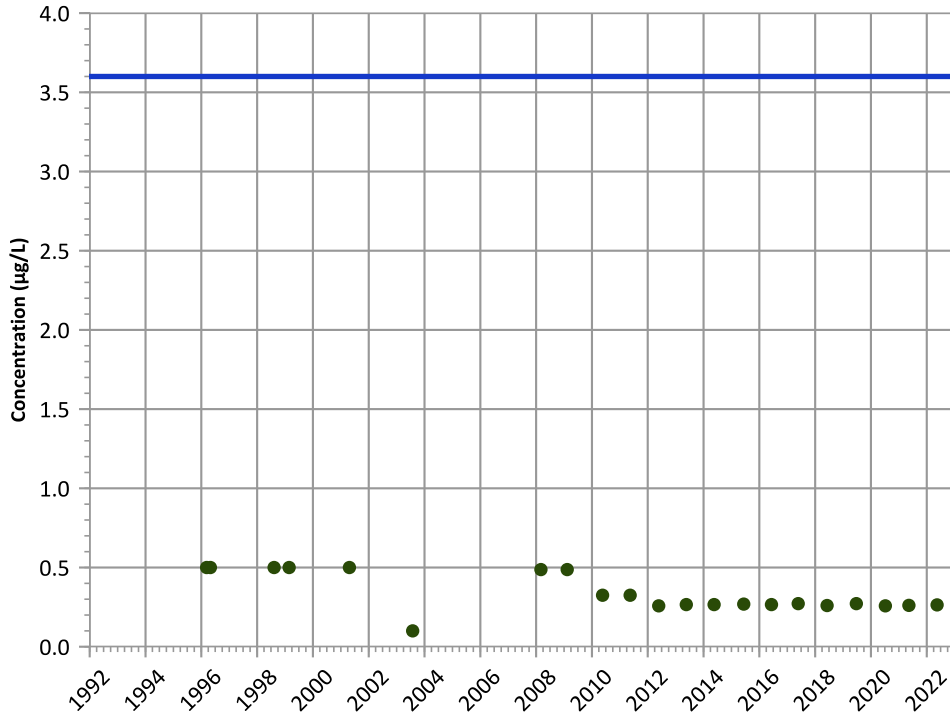


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

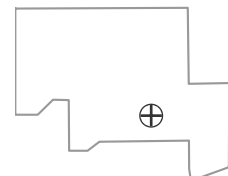
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

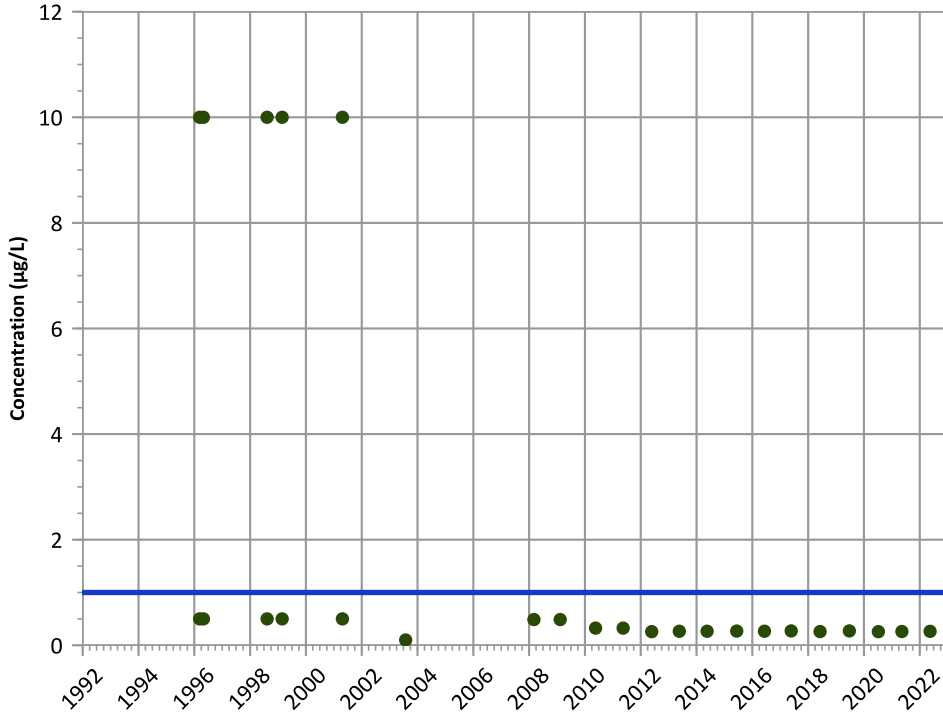
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

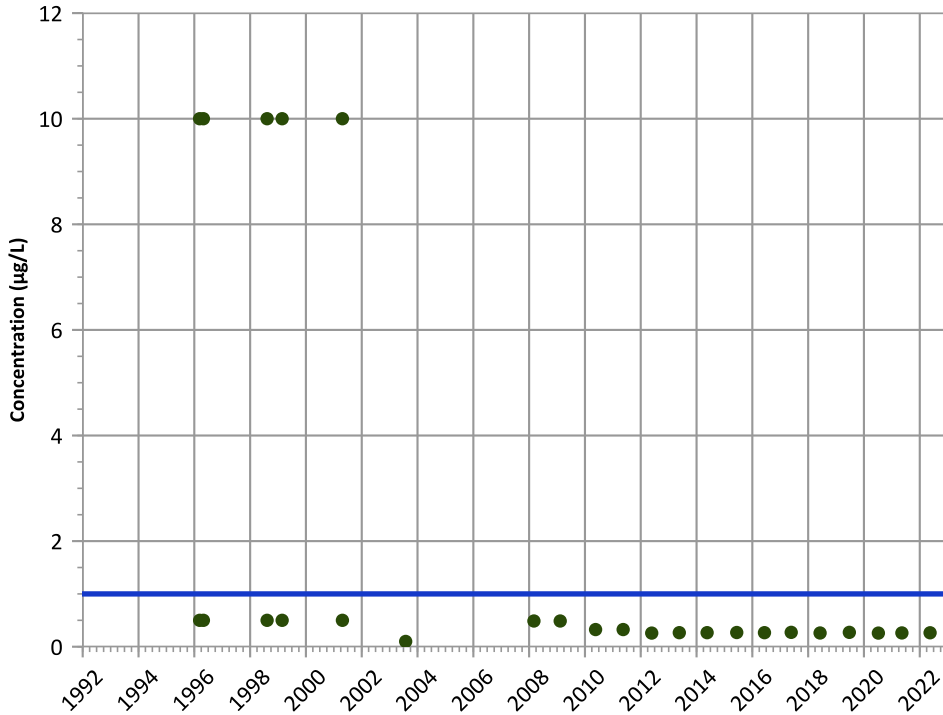


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

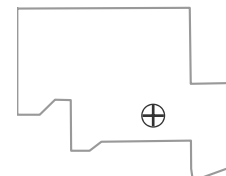
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

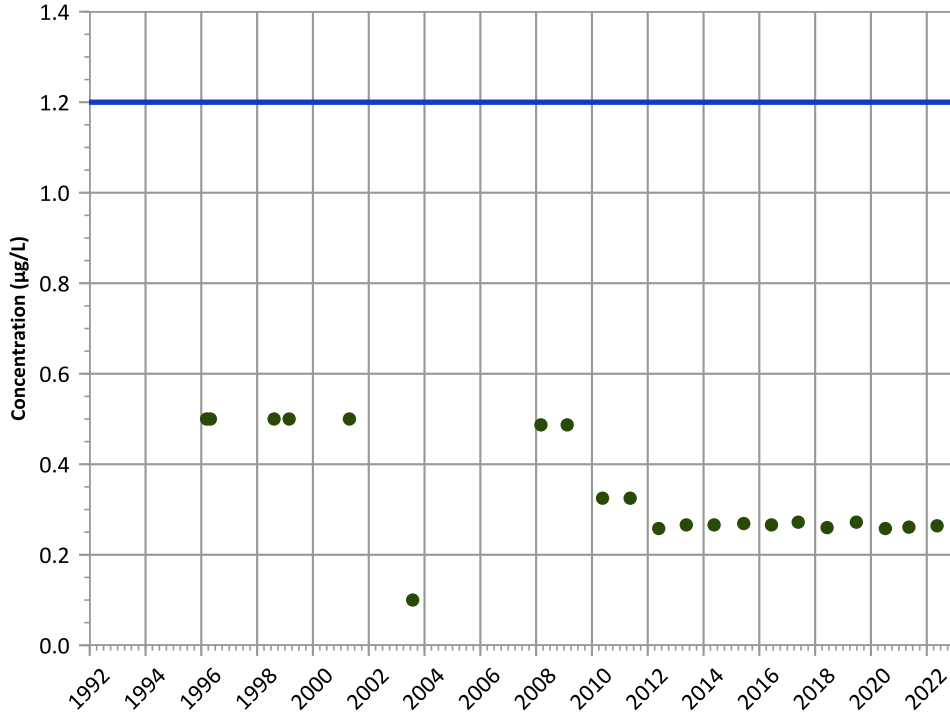
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

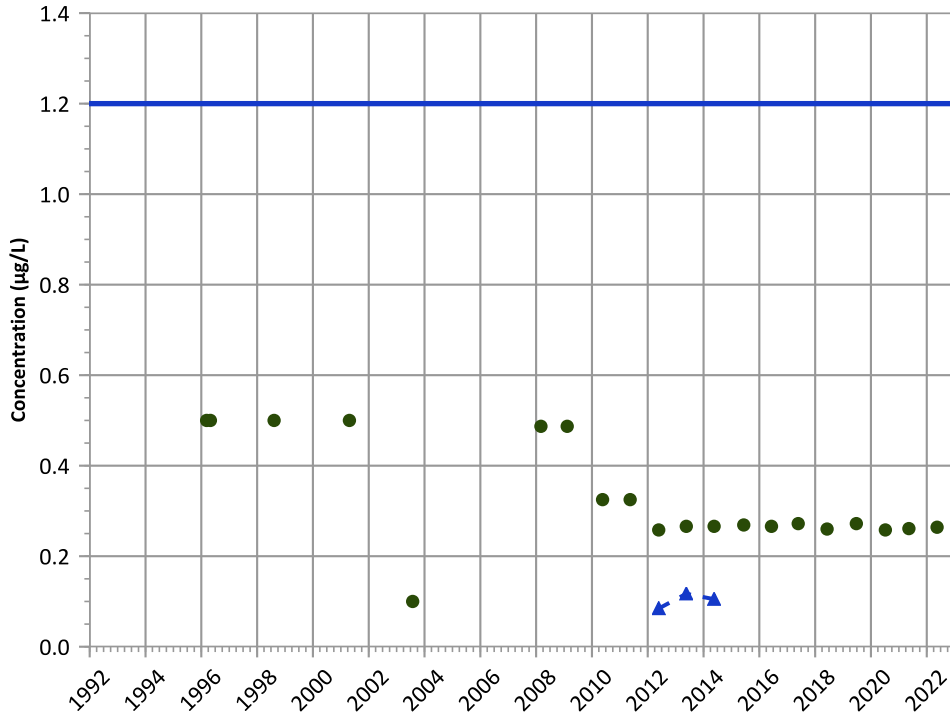
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

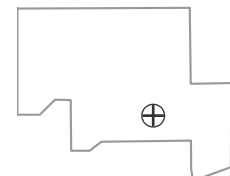
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

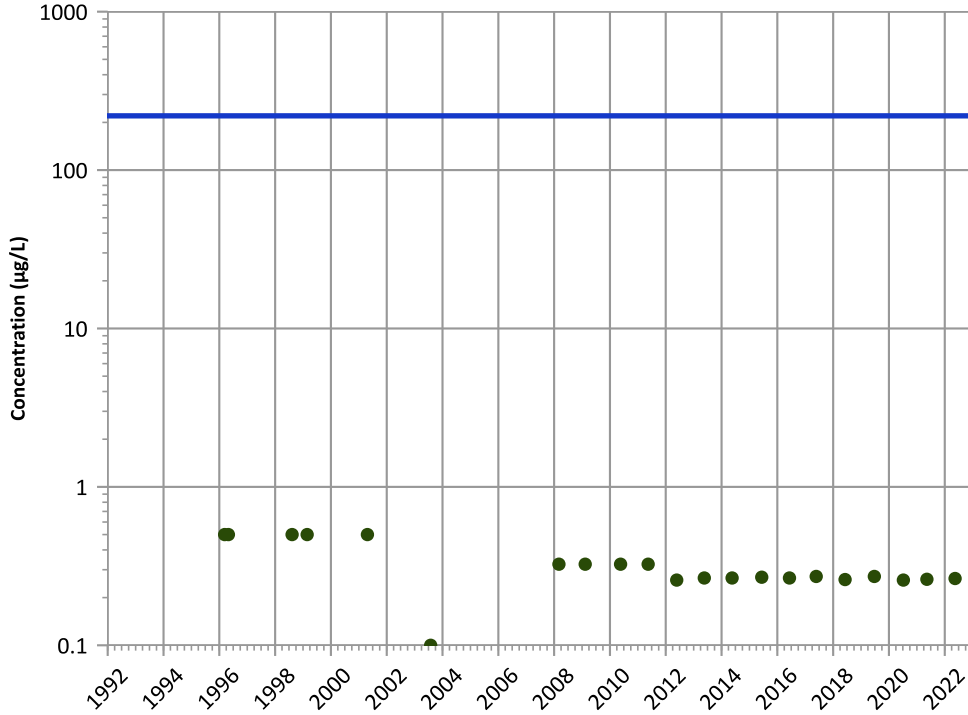
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

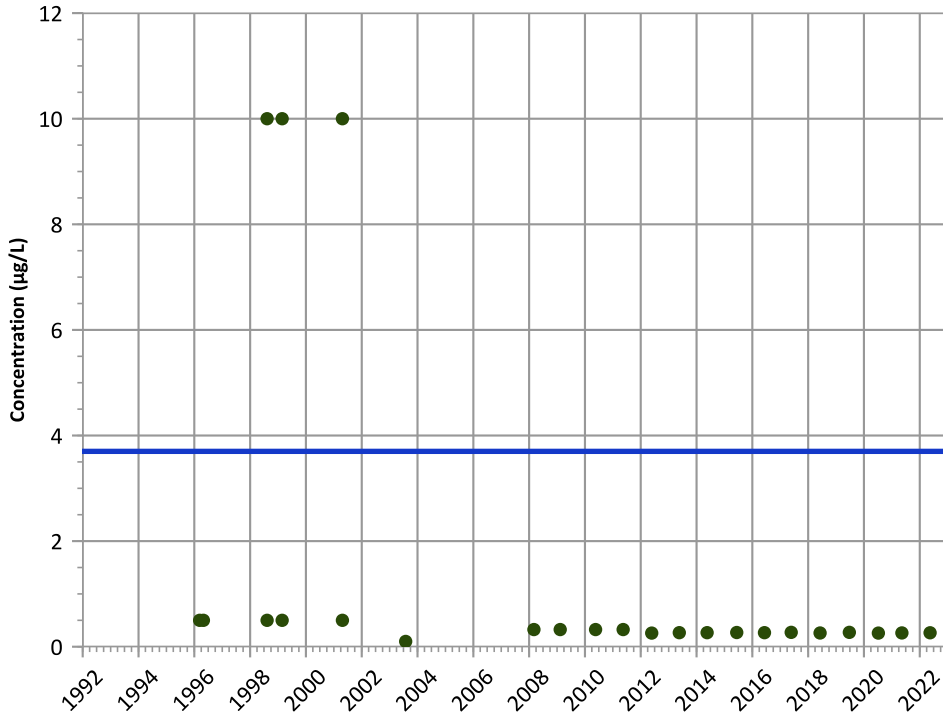
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

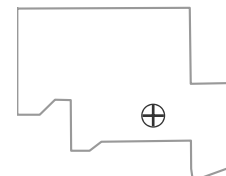
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

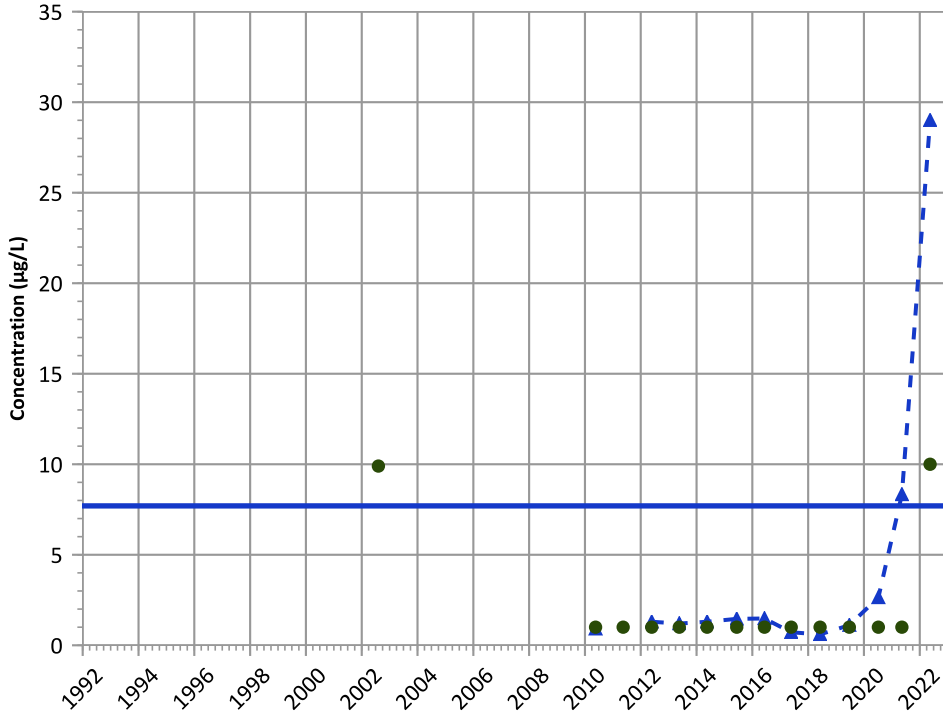
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

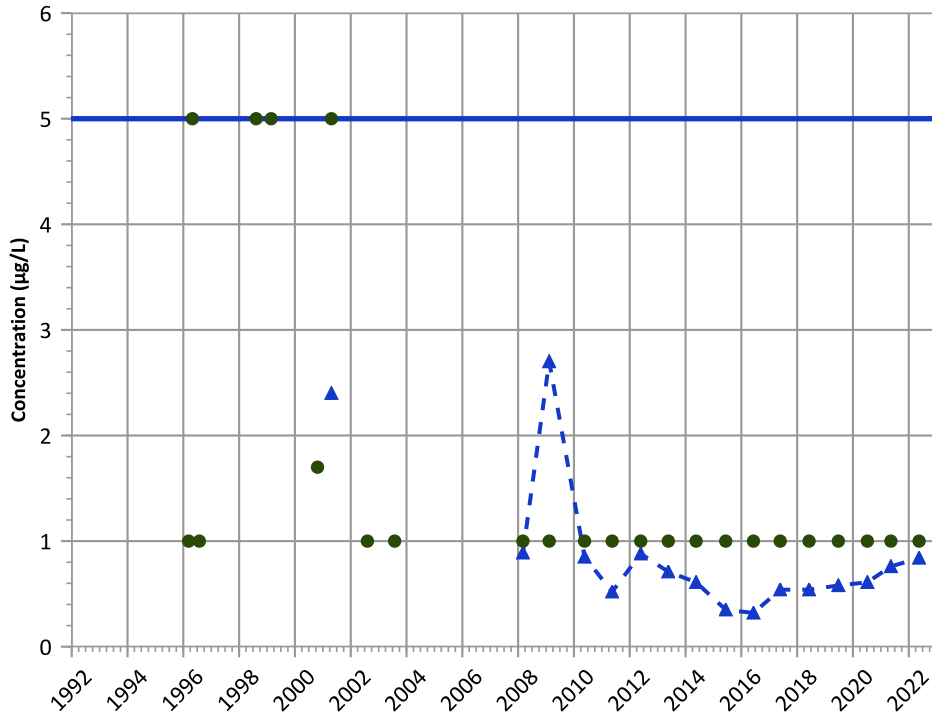
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

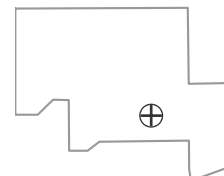
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

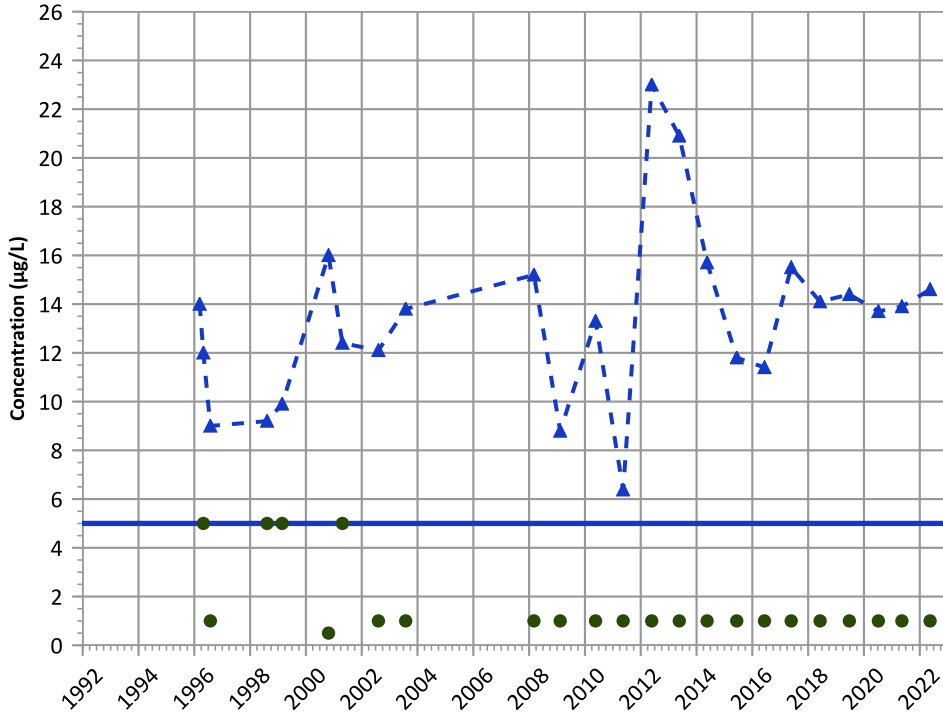
Well Location





PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

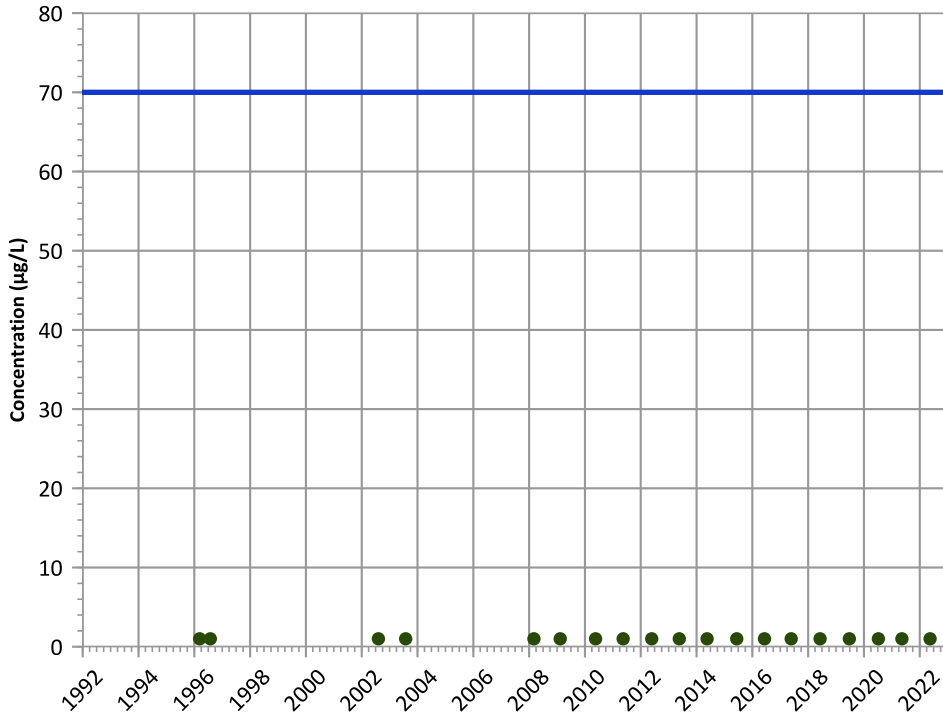
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

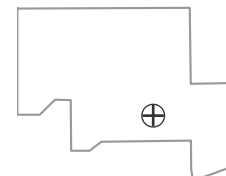
2020 - 2022 Data:

All Non-Detect

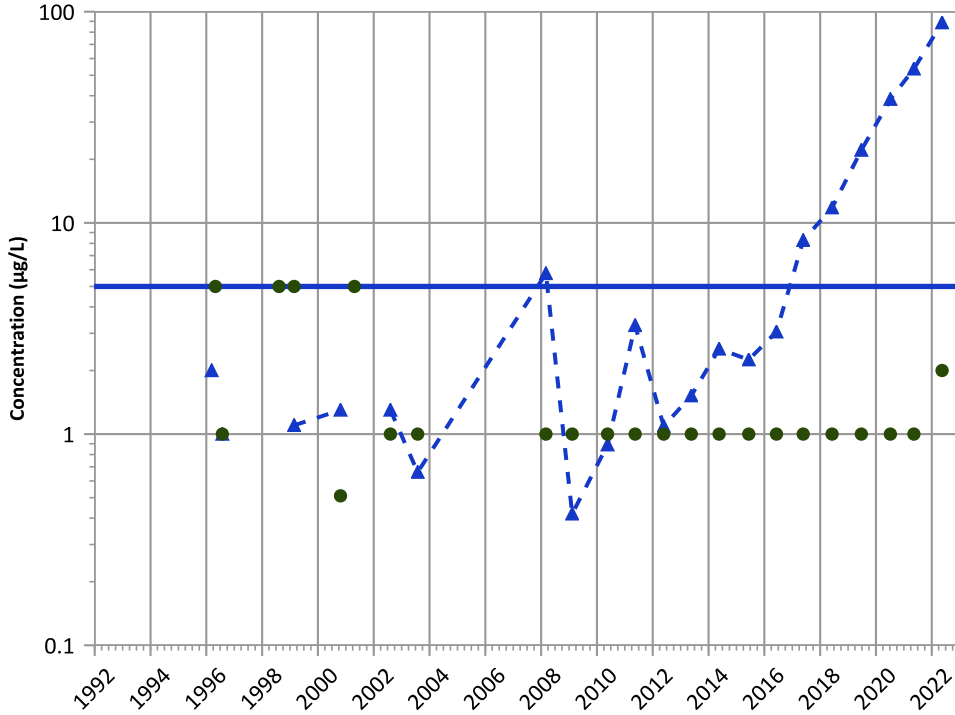
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend



**Concentration Trend**

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

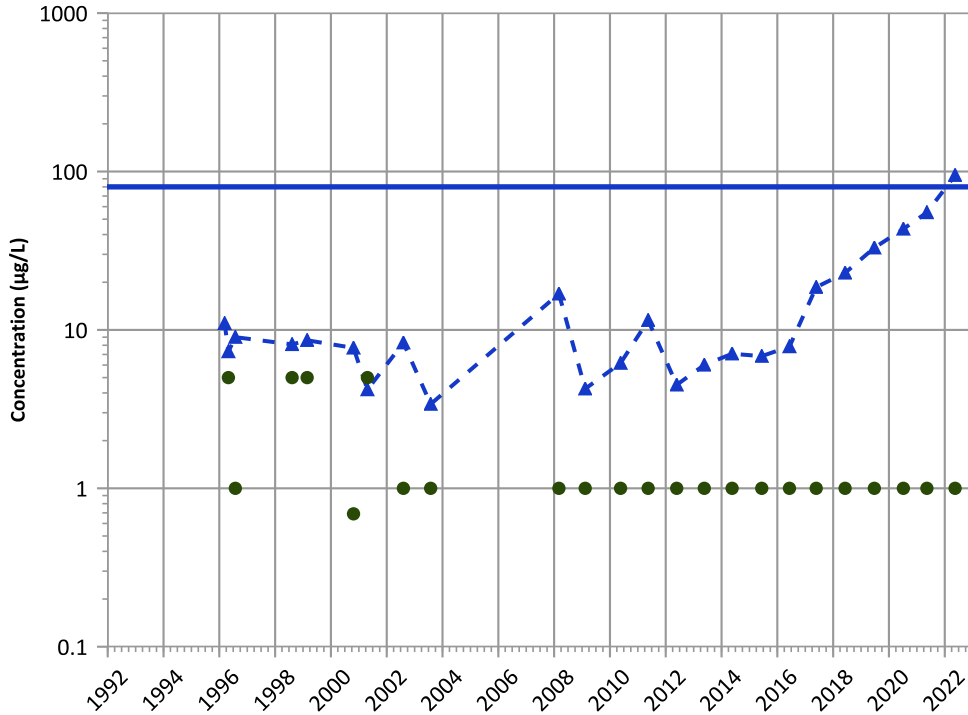
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Chloroform Trend



**Concentration Trend**

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

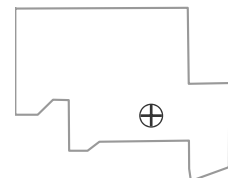
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

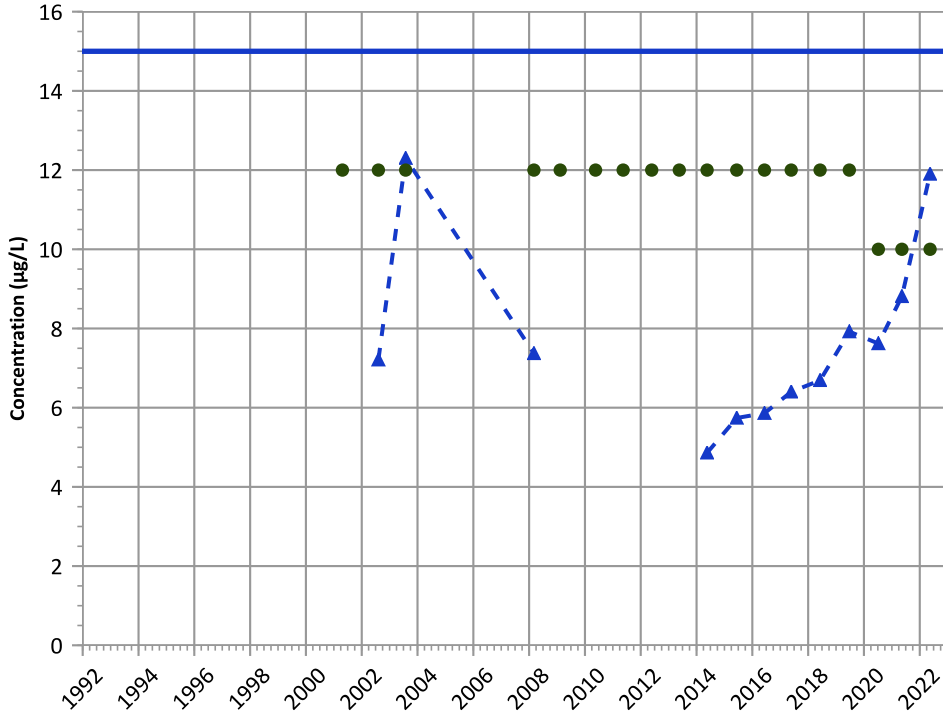
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

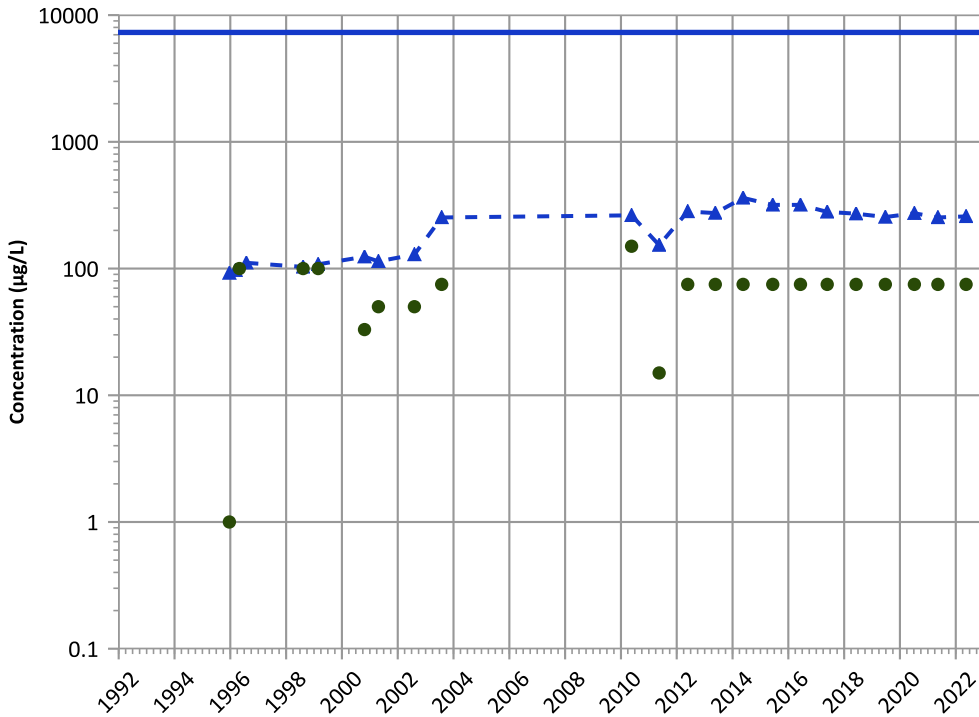


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Boron Trend



Concentration Trend

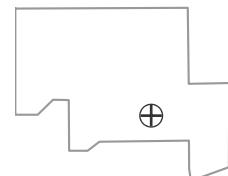
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

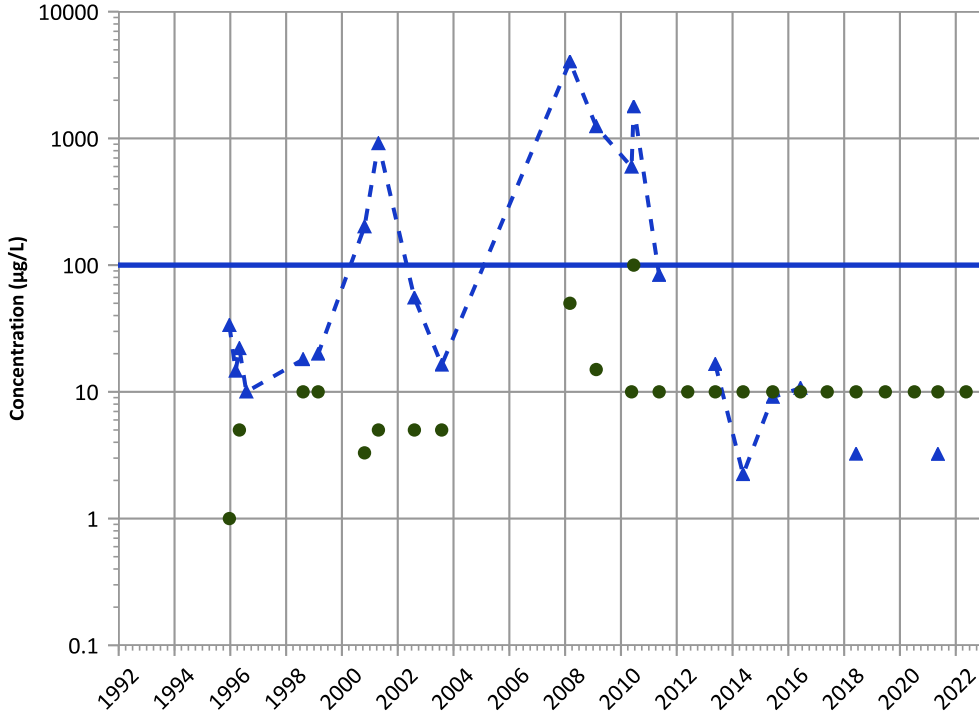
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

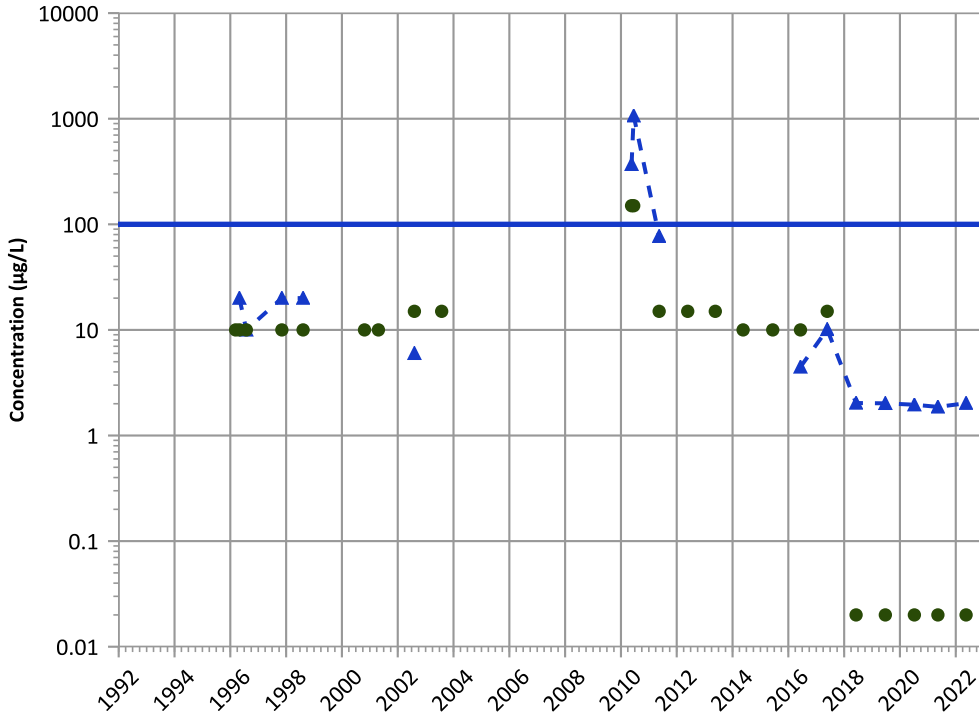


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Chromium, Hexavalent Trend

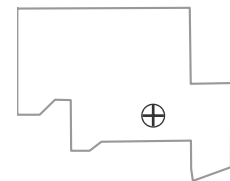


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

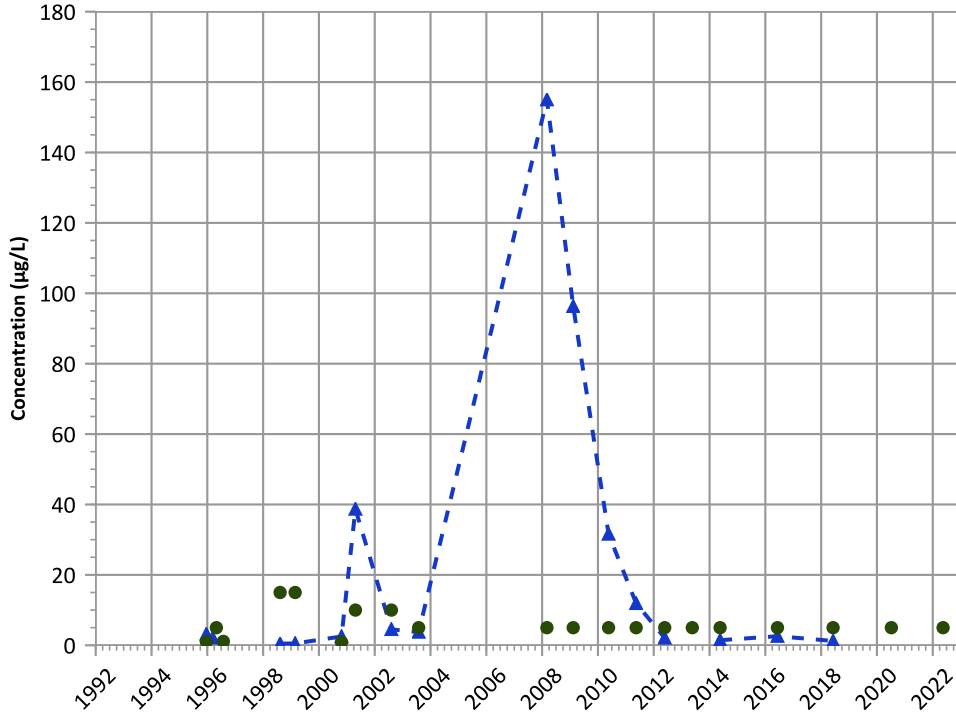


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

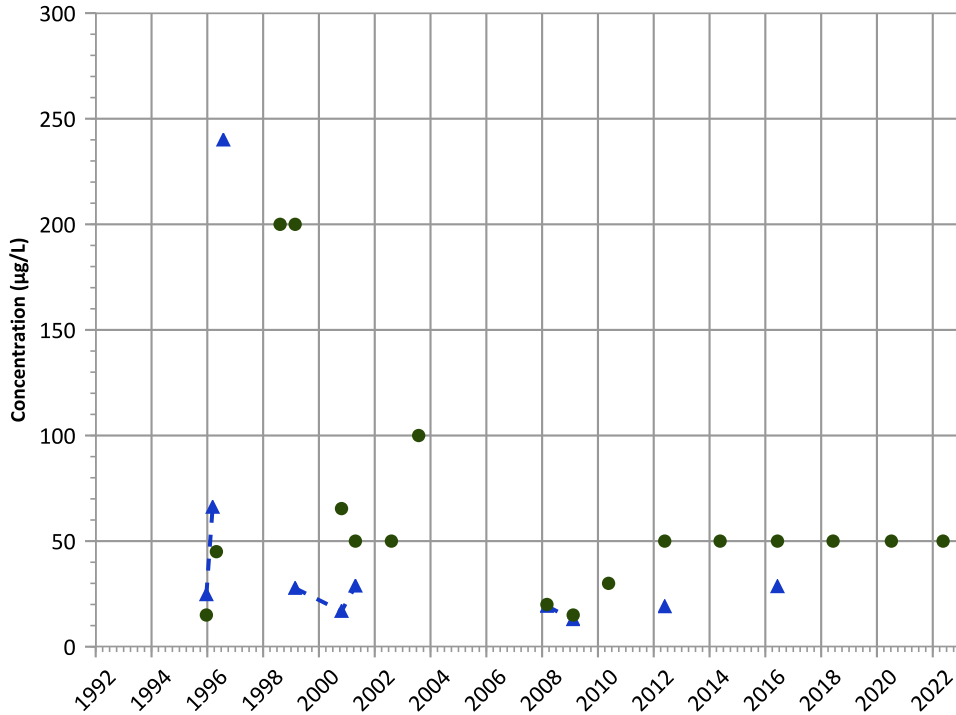


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

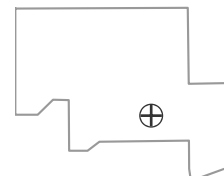
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

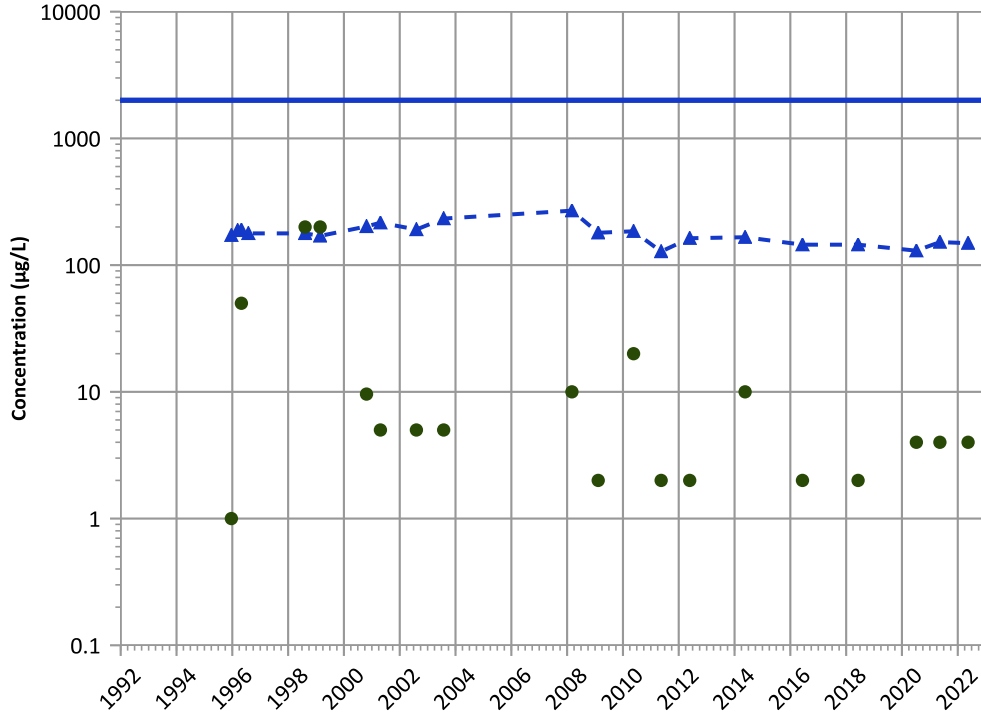
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

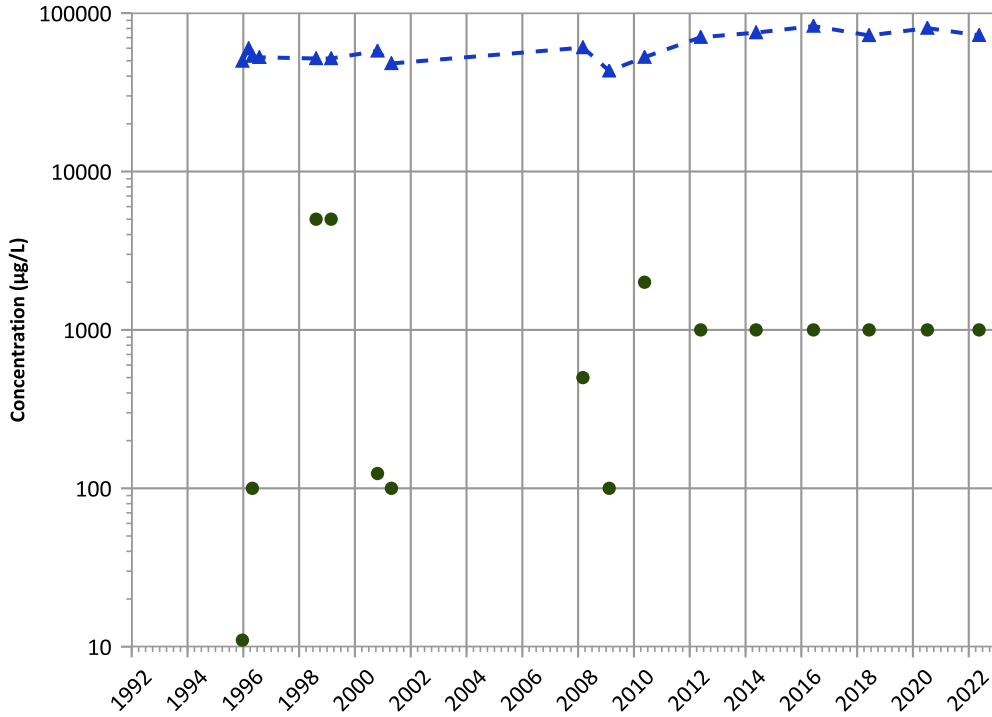


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

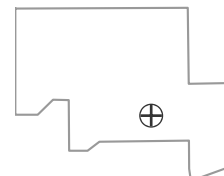
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

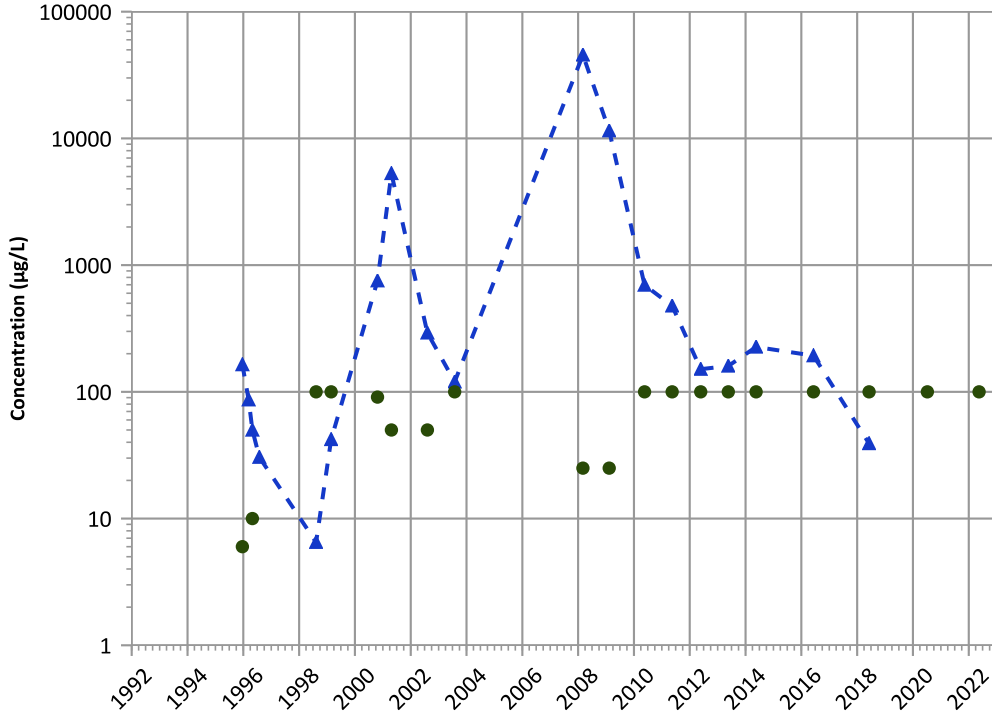
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

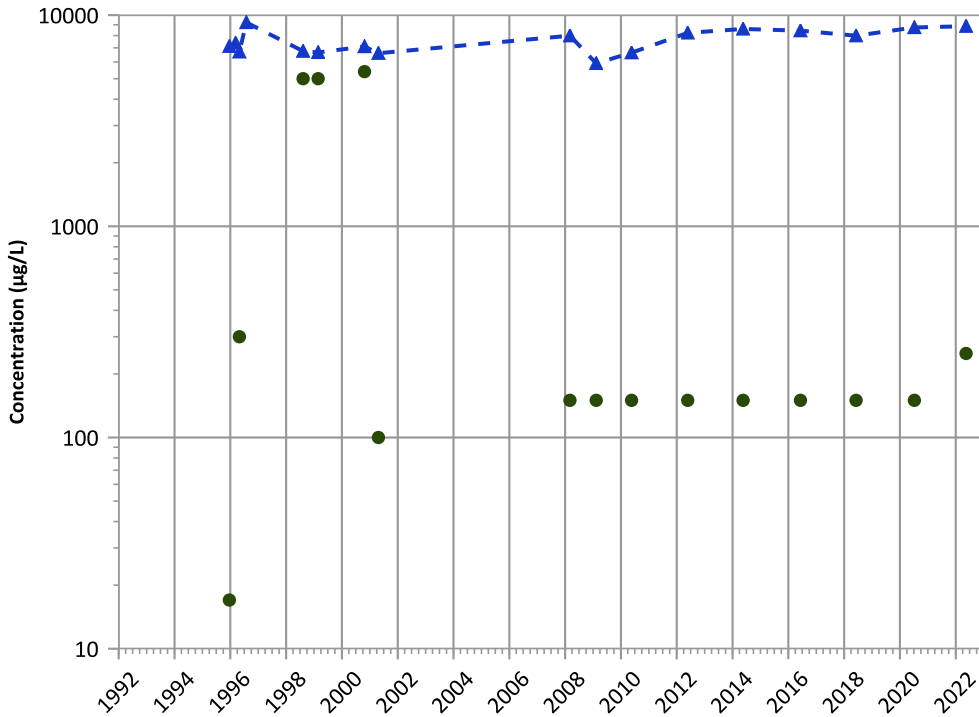
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

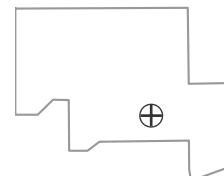
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

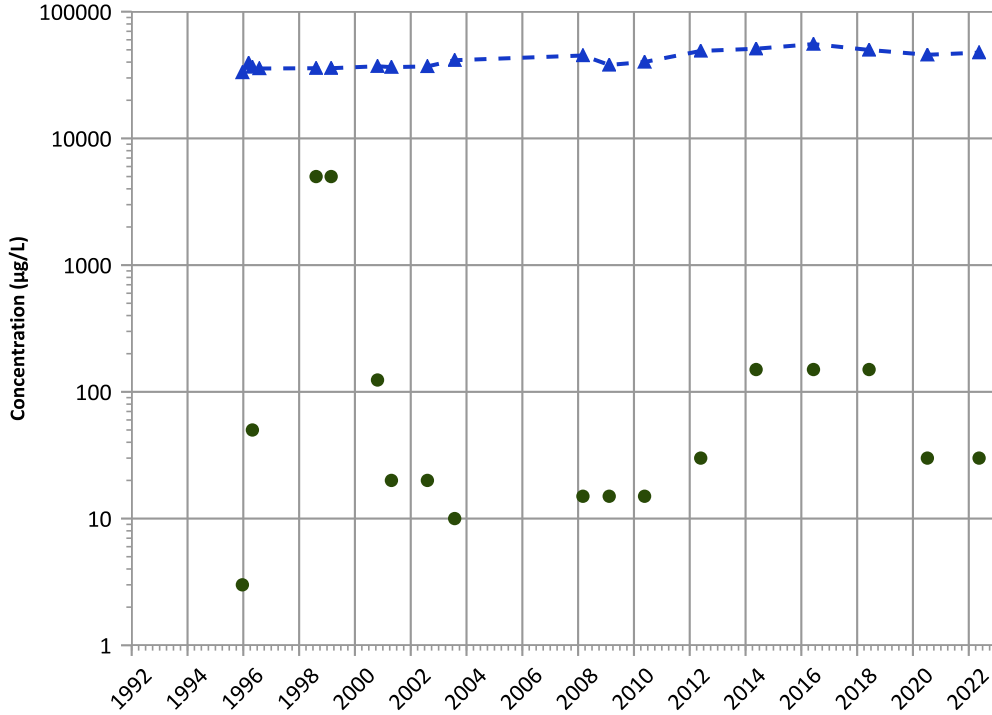
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

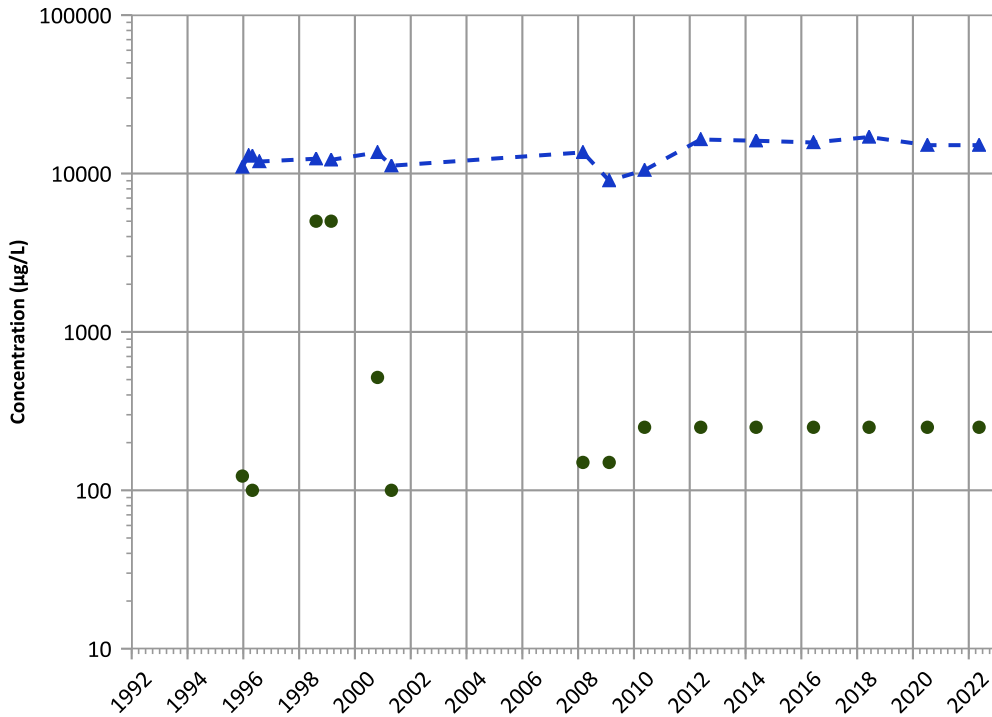
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Decreasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

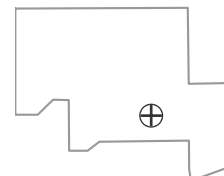
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 12/20/1995 to 05/16/2022  
Analysis Date: 04/27/2023

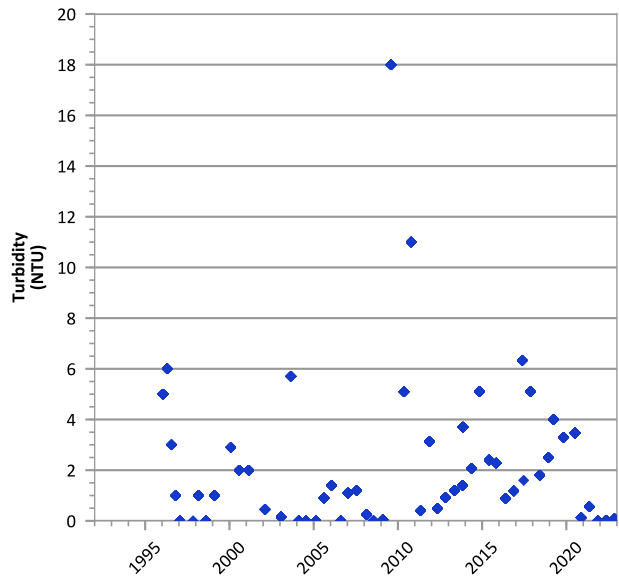
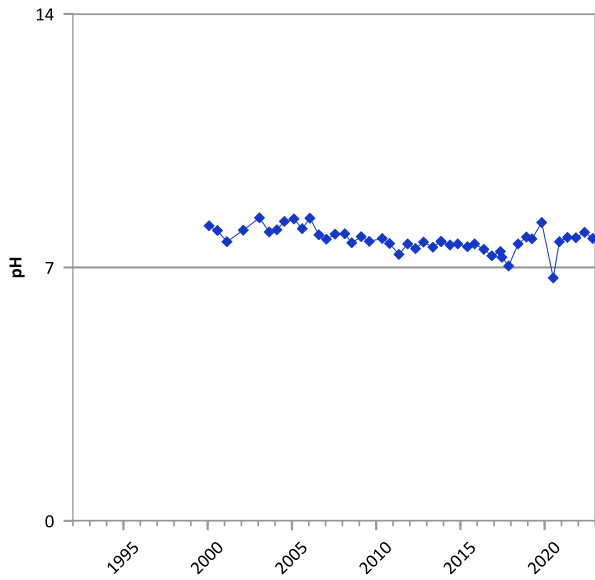
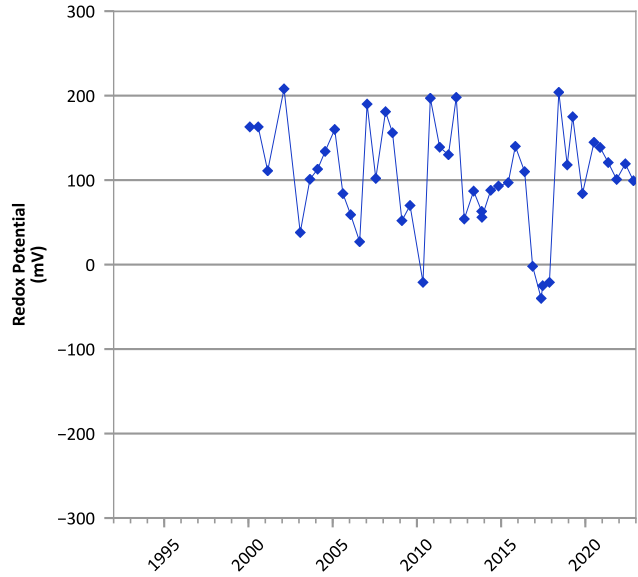
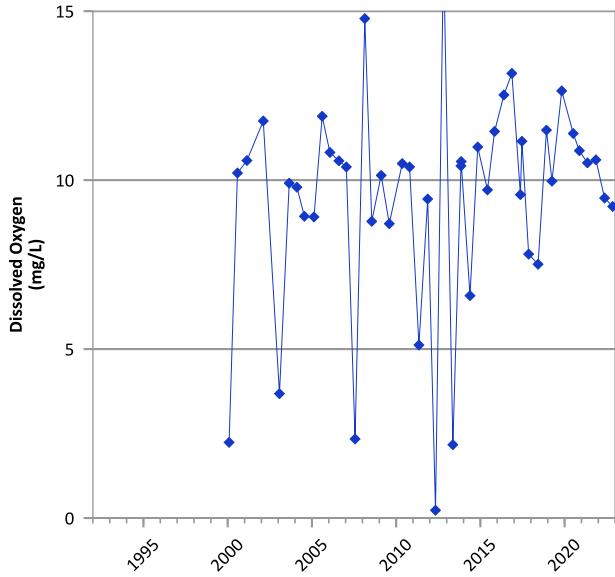
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



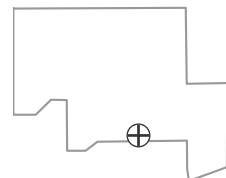


**PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



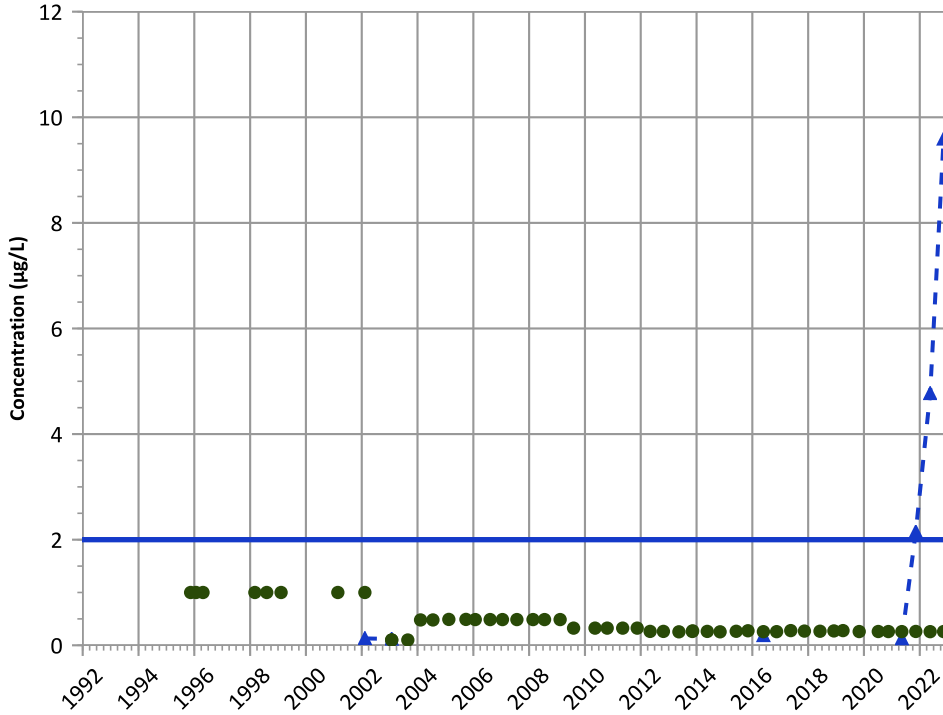
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/14/1995 to 11/09/2022  
 Analysis Date: 04/27/2023

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

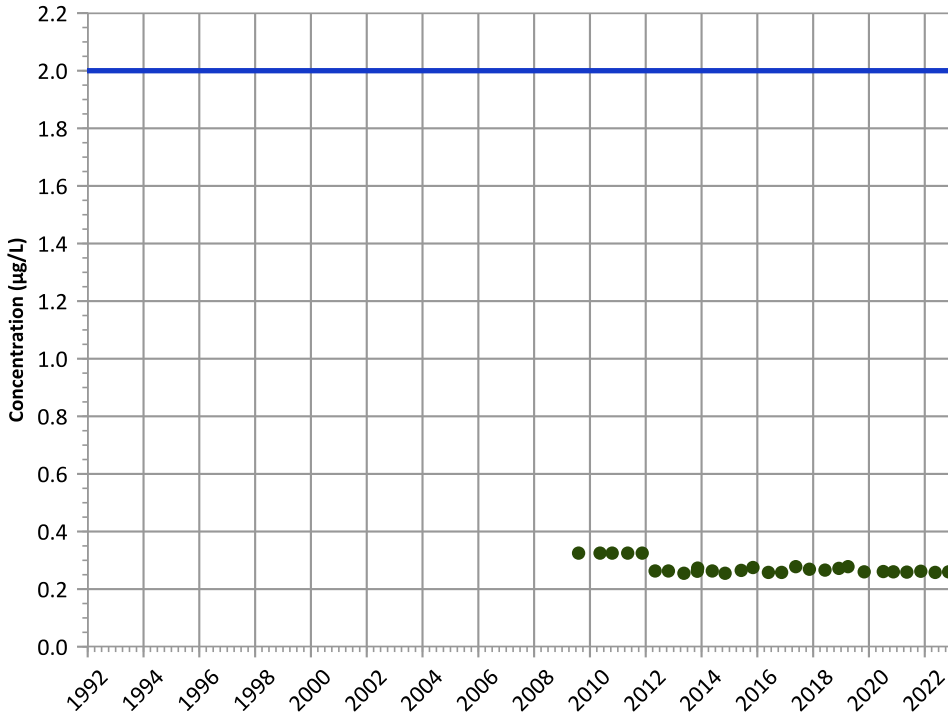


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

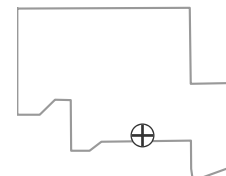
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

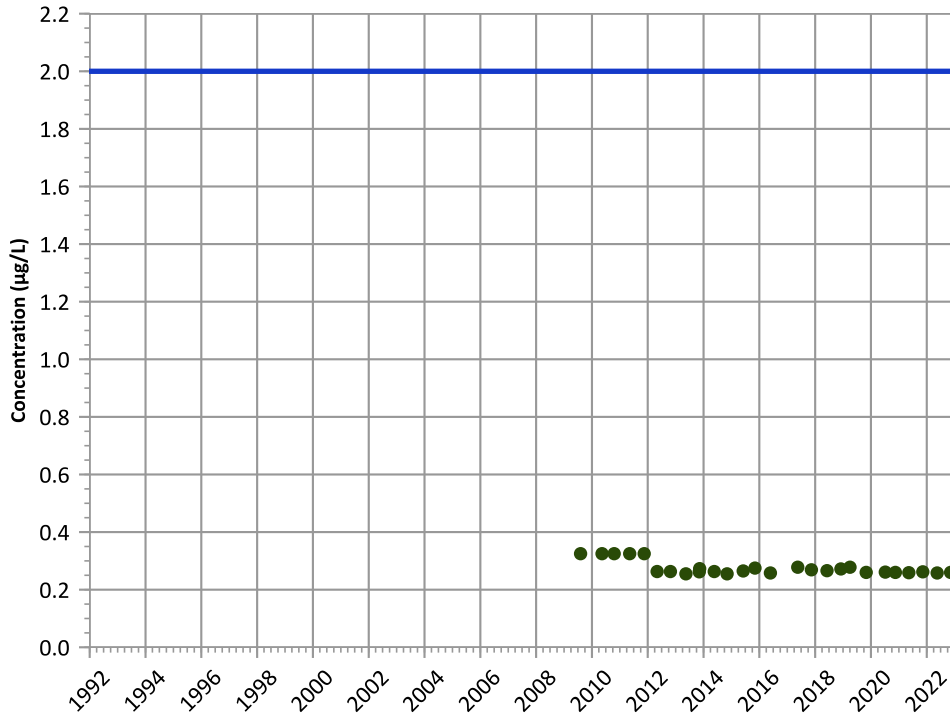
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

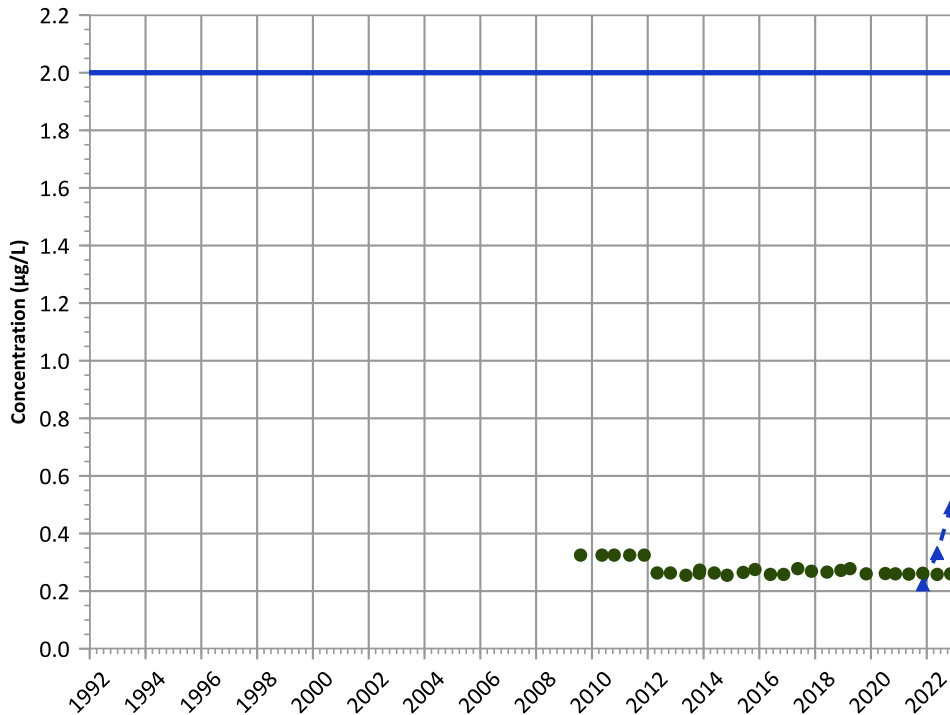


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

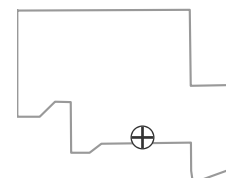


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

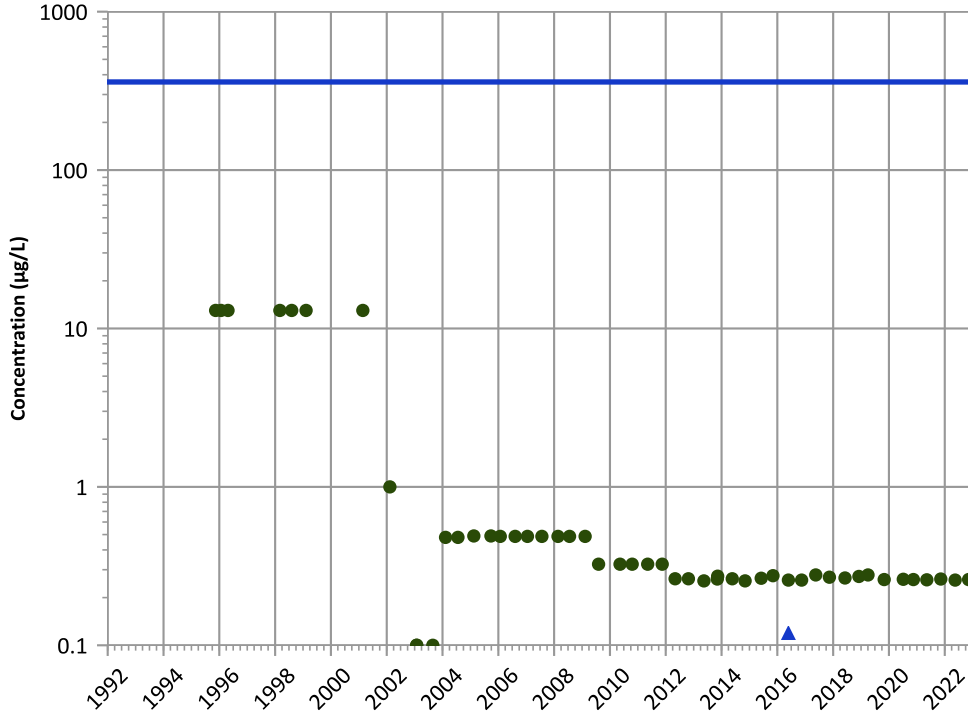


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

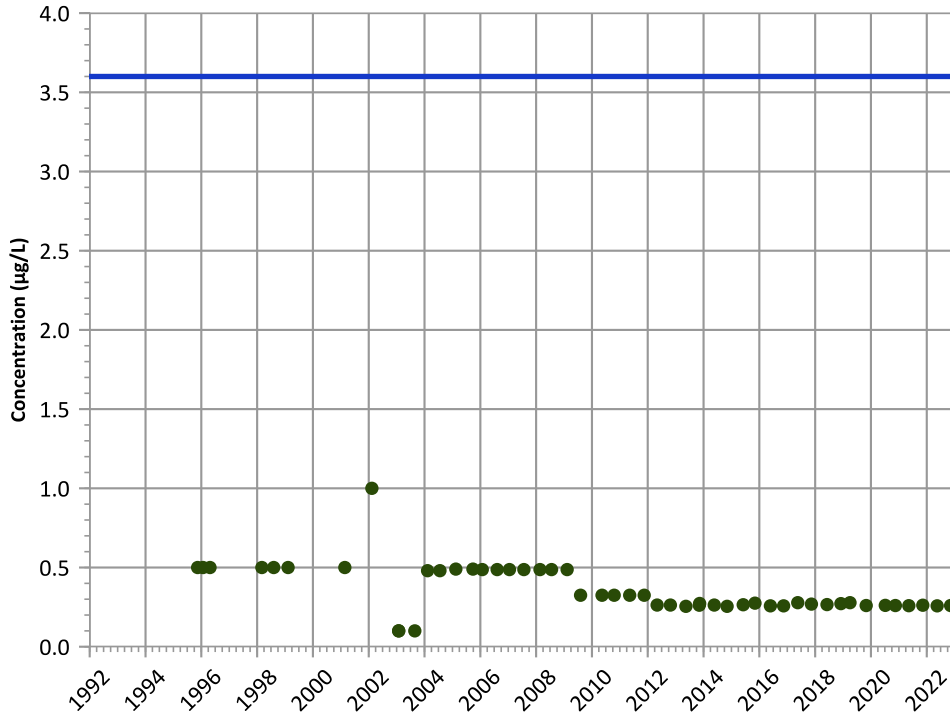


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

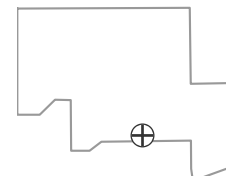
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

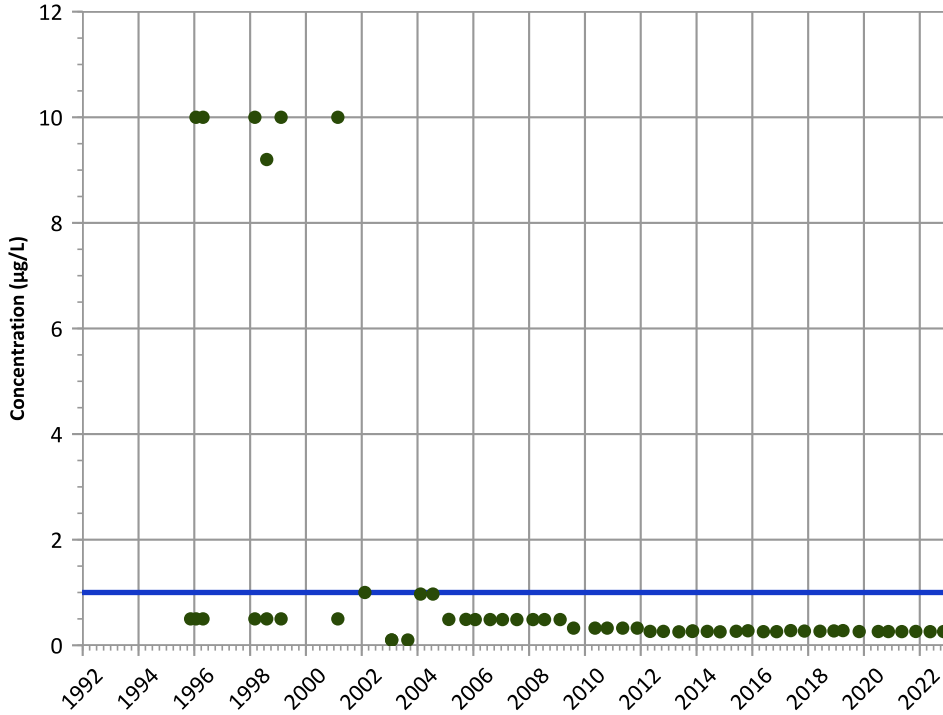
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

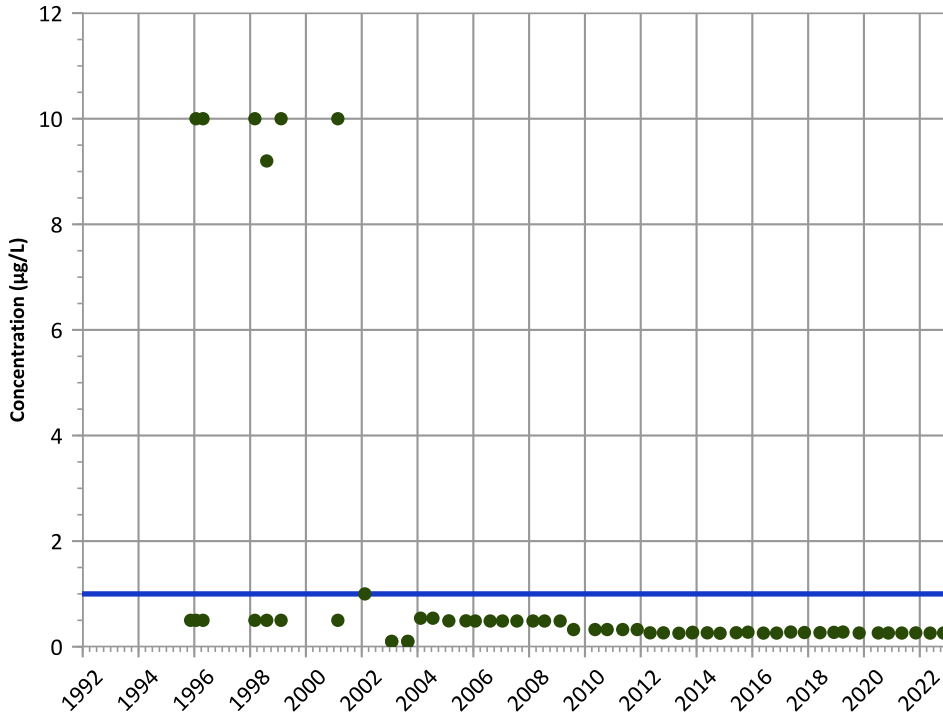
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

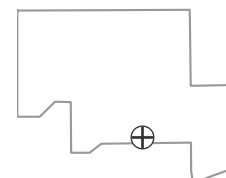
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

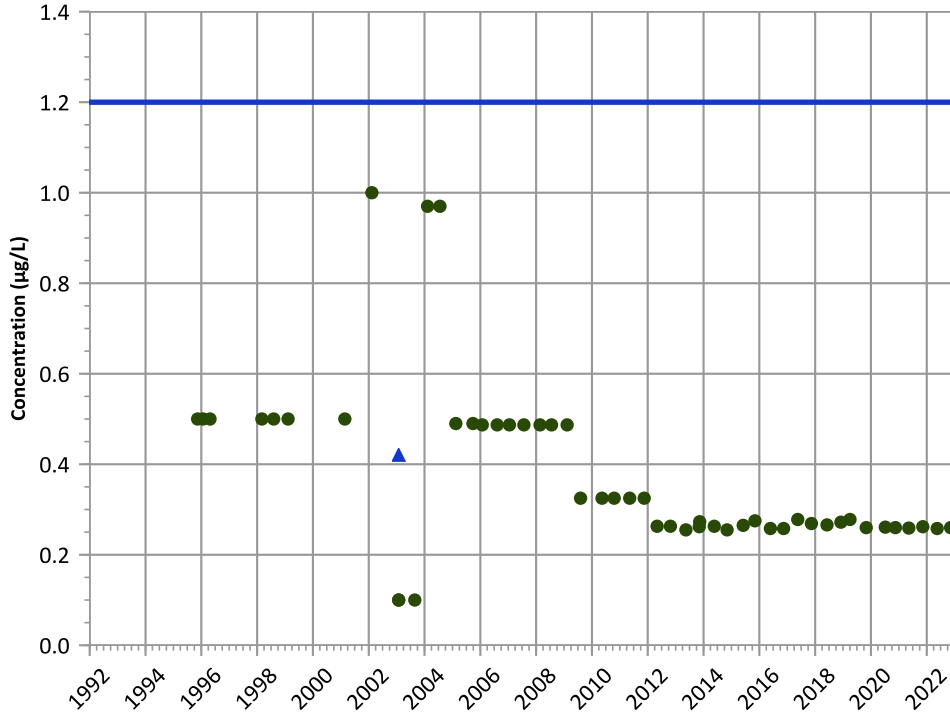
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

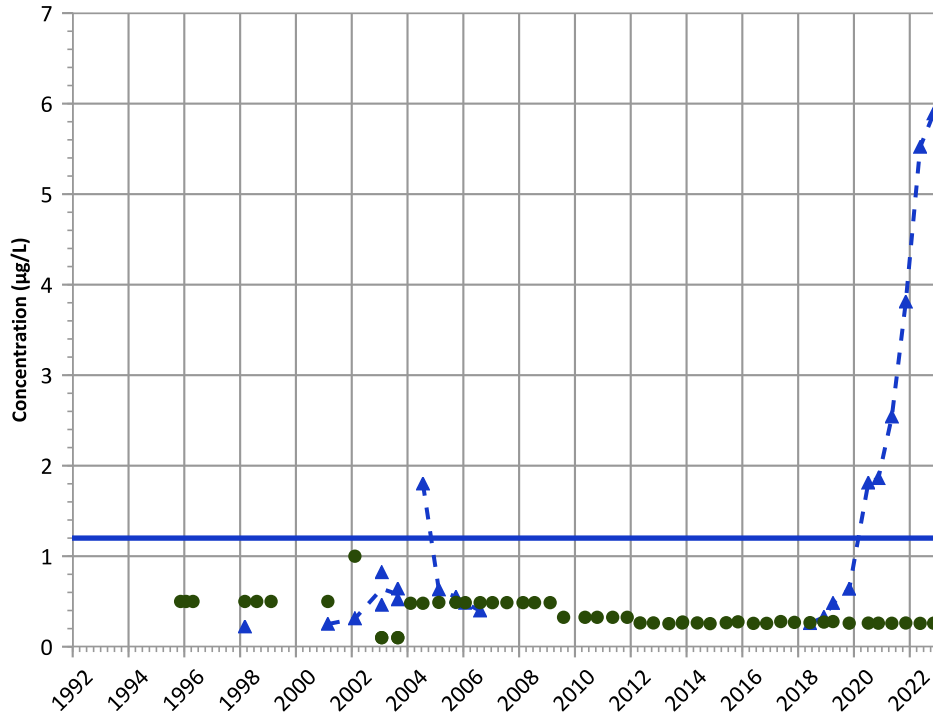
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

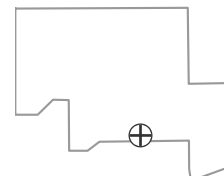
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

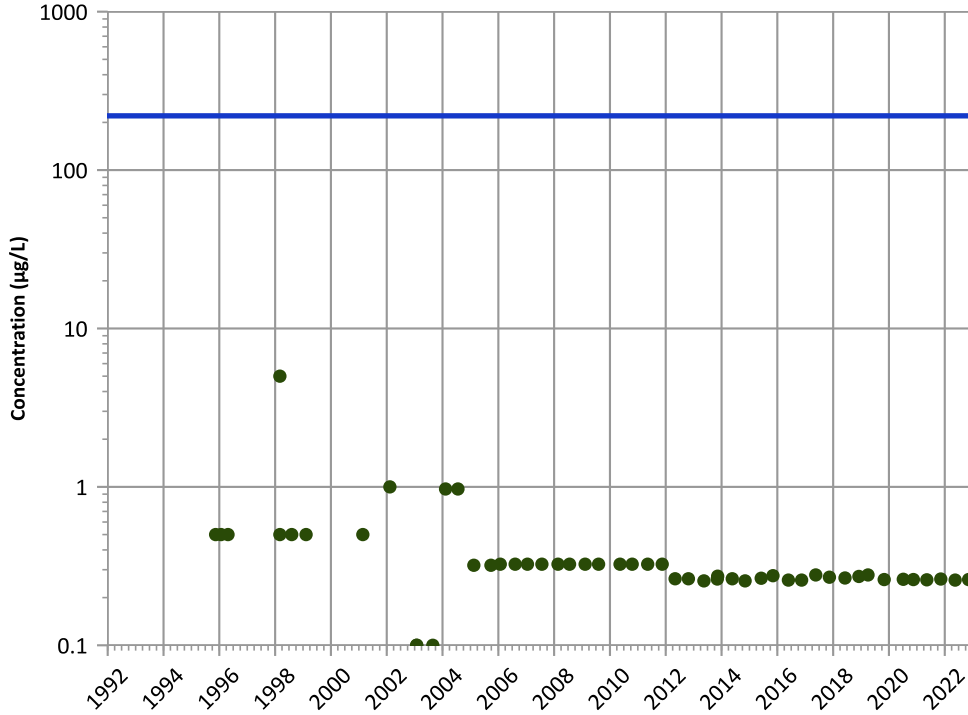
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

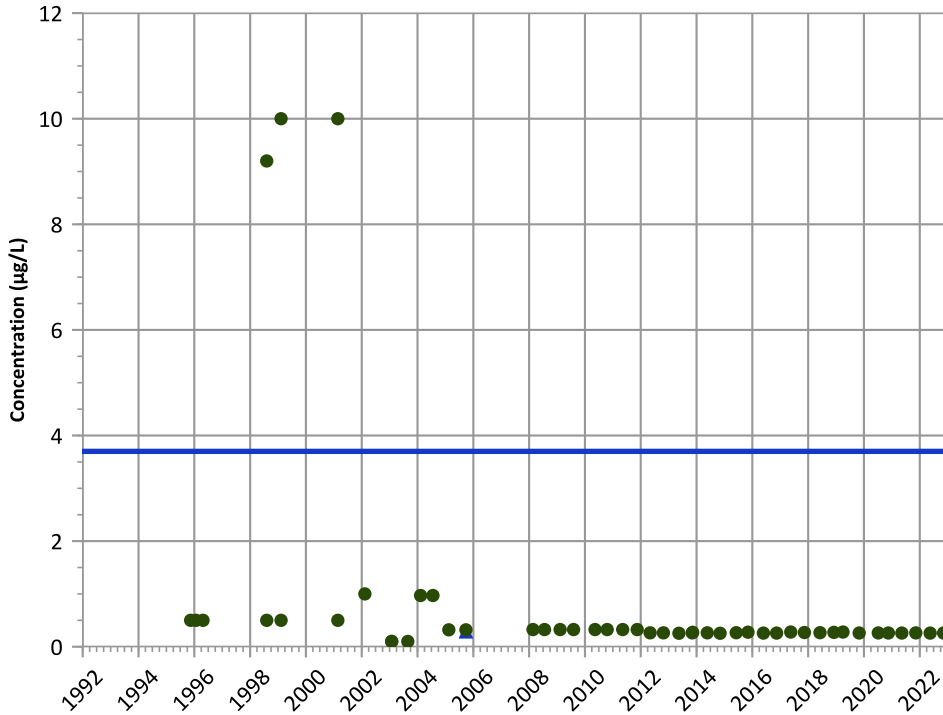
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

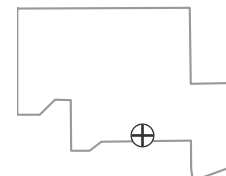
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

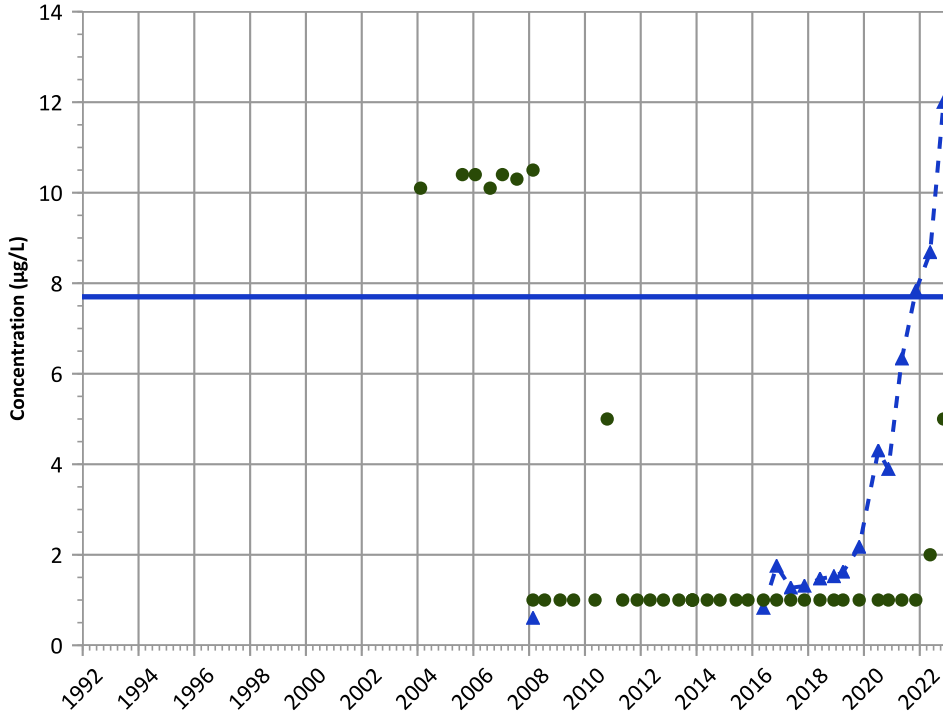
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

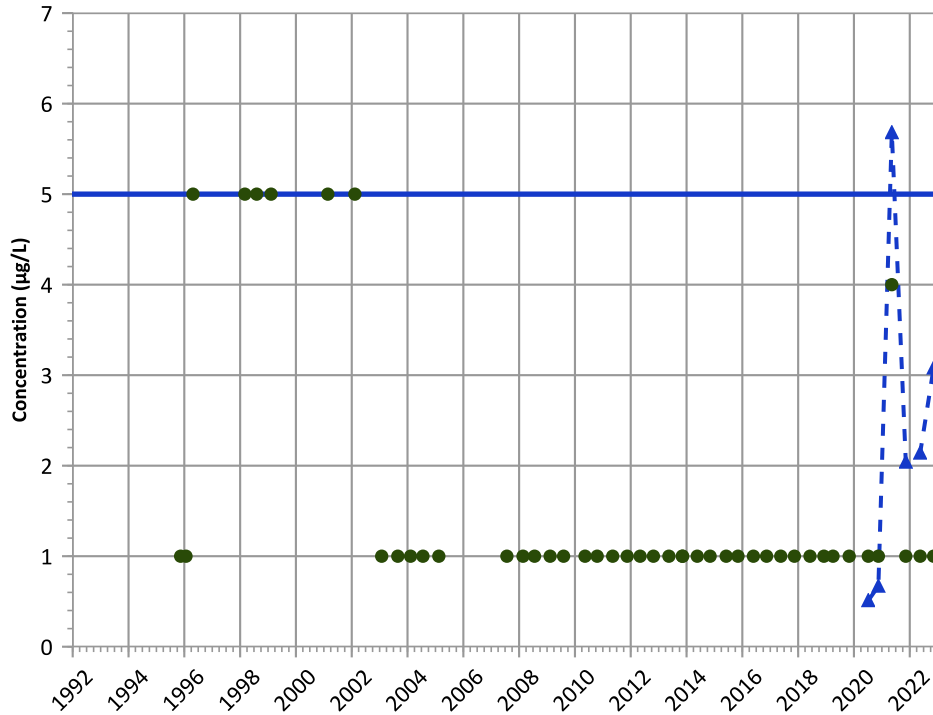
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

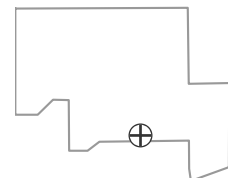
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

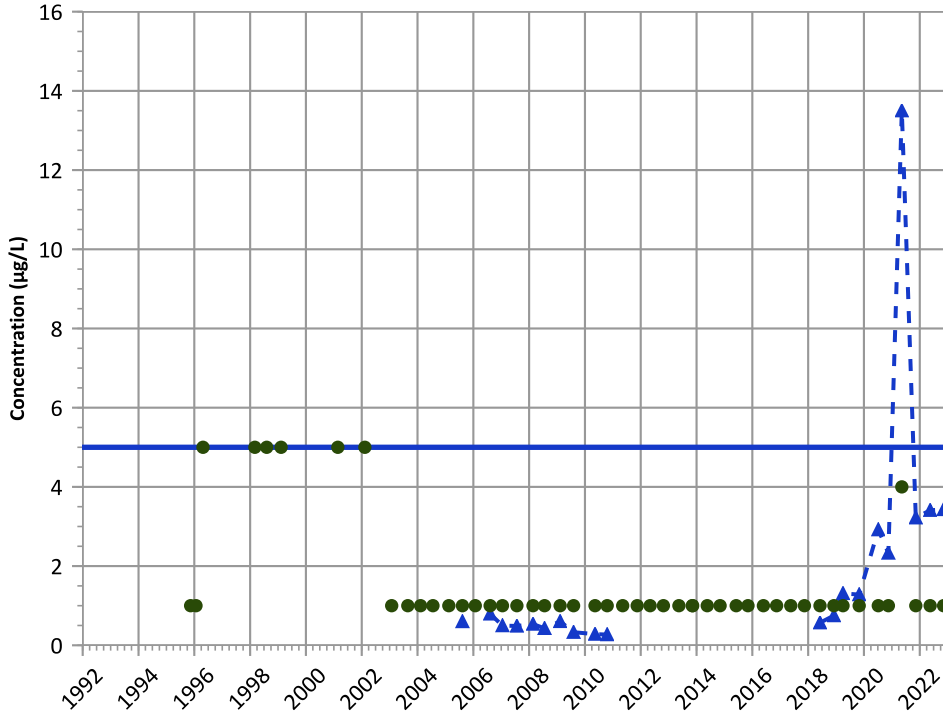
Well Location





PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

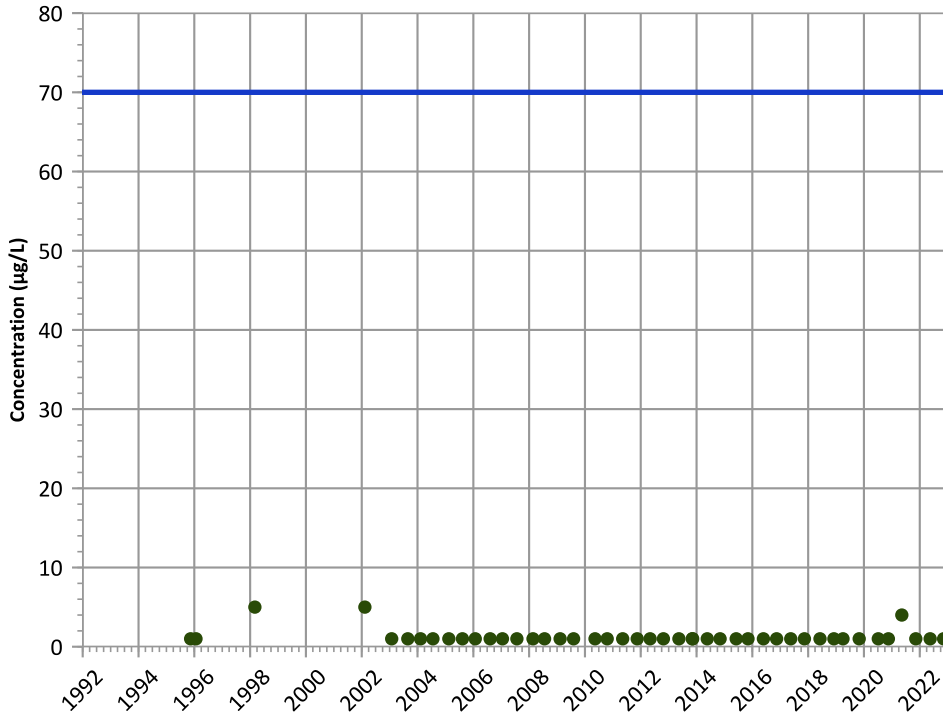


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

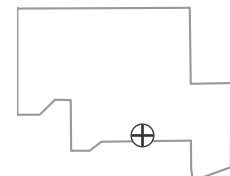
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

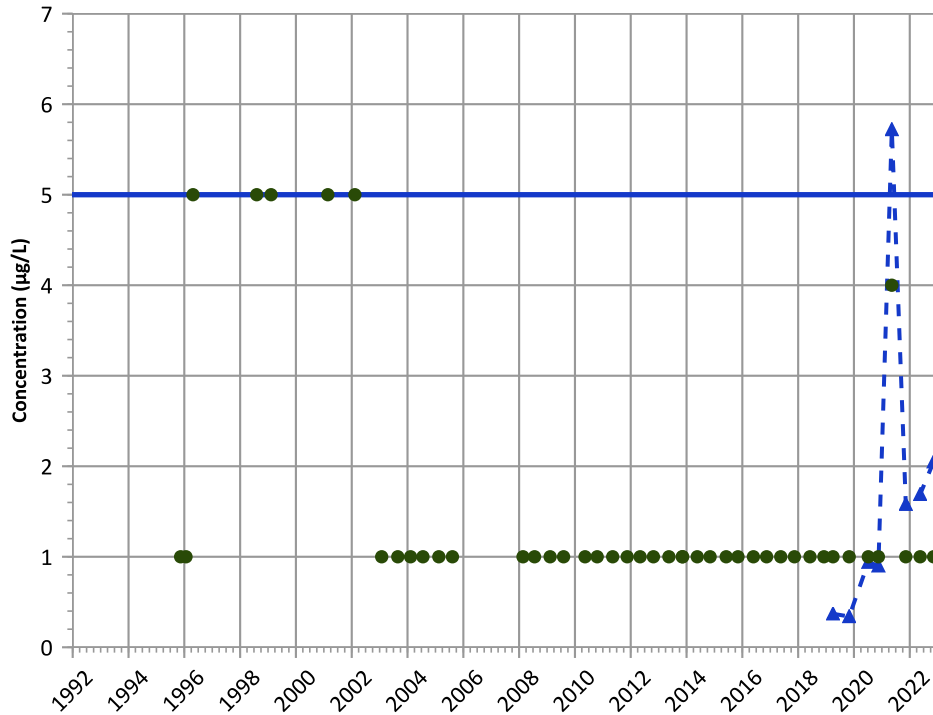
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

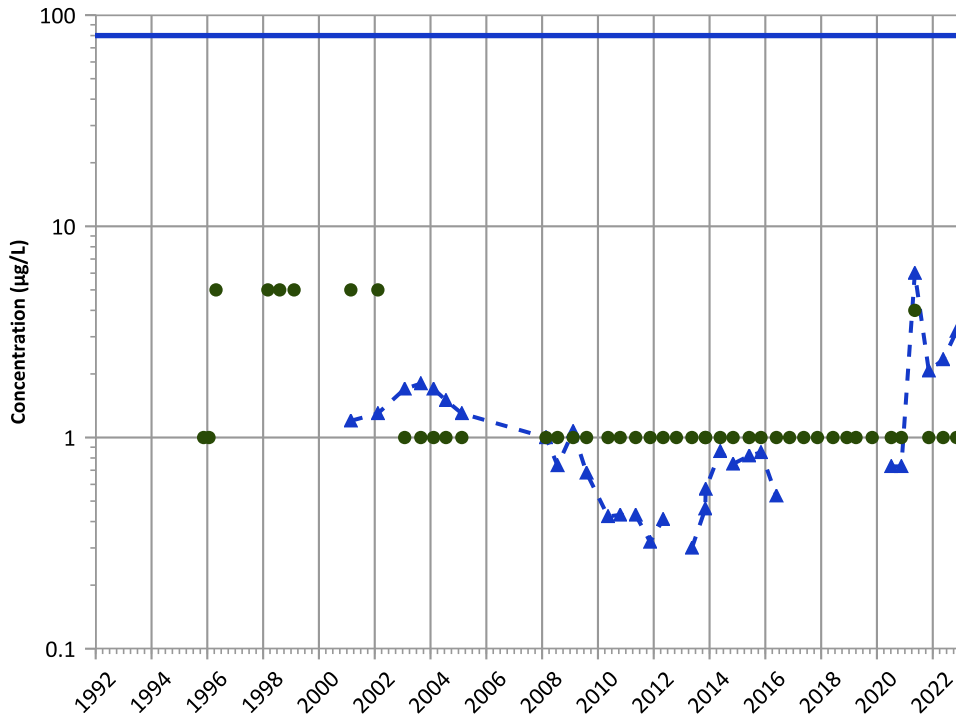


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

**Chloroform Trend**

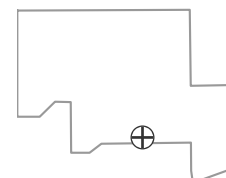


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

**Well Location**

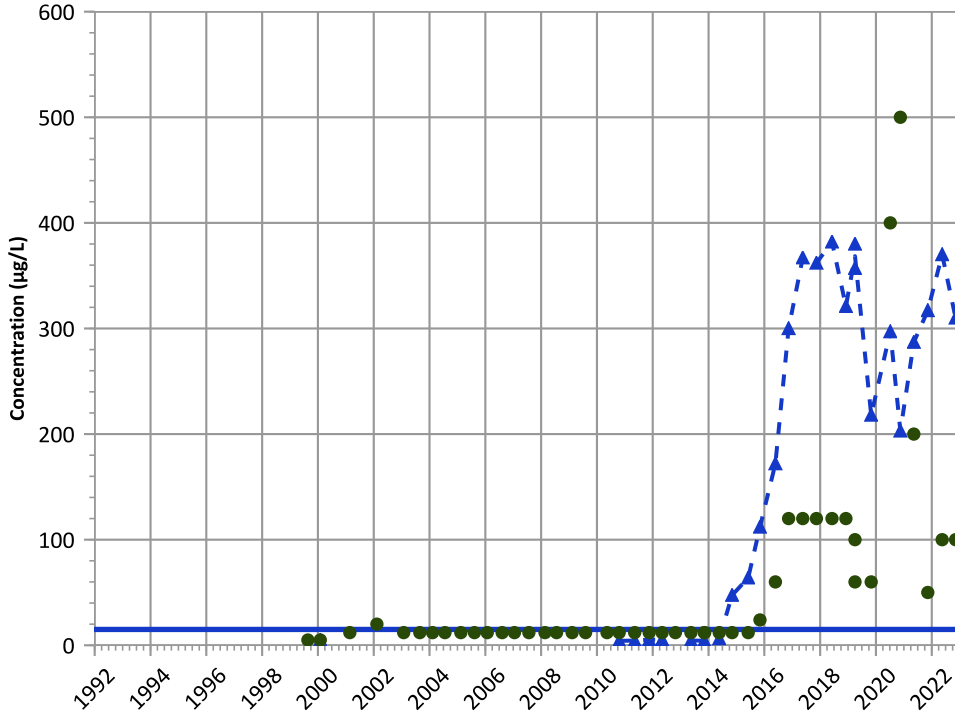


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

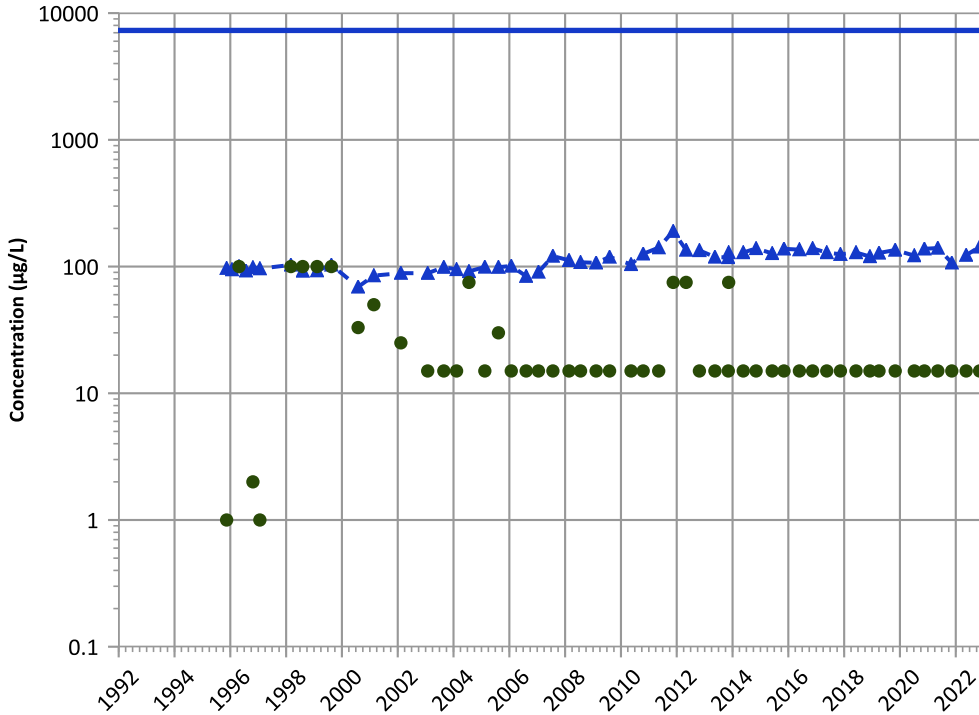


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

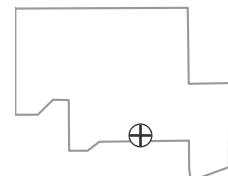
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

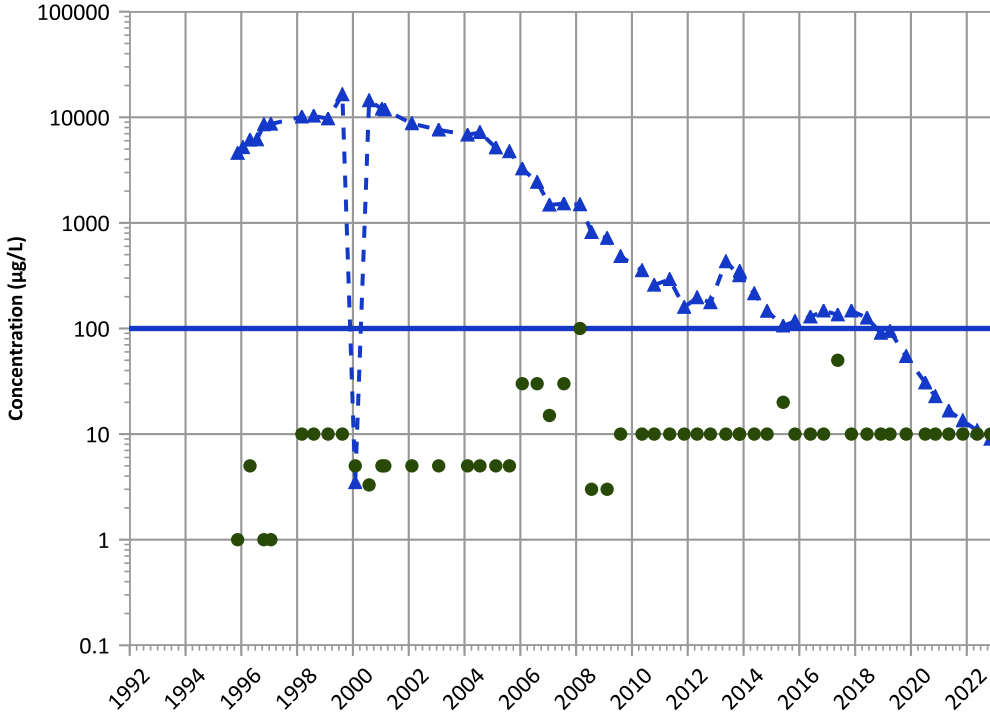
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

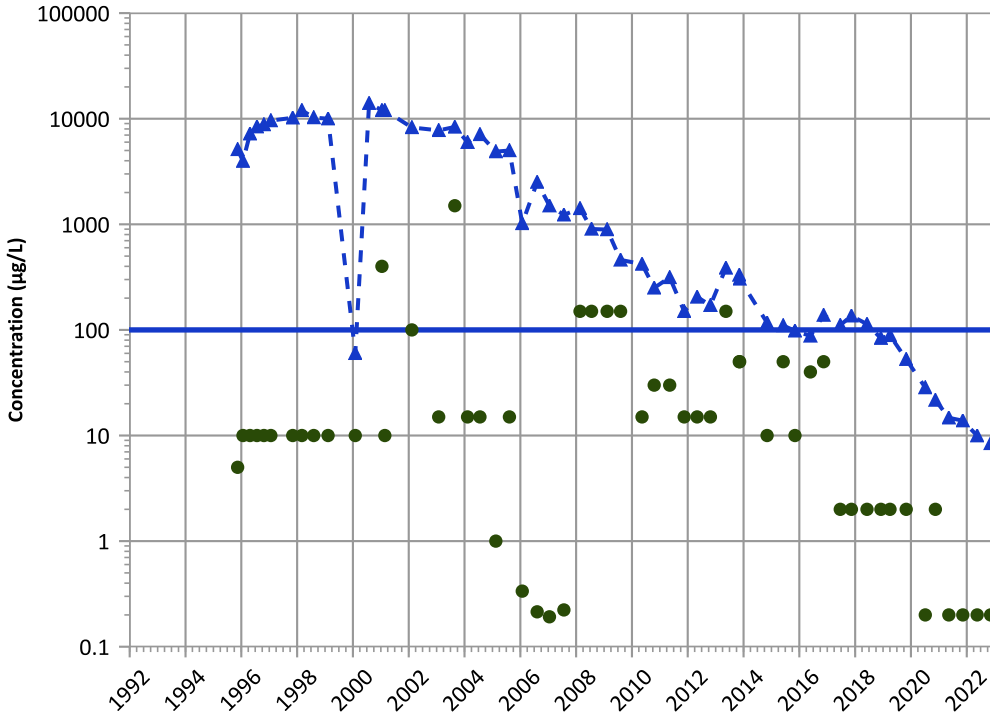


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Chromium, Hexavalent Trend



Concentration Trend

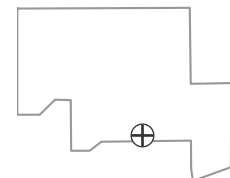
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

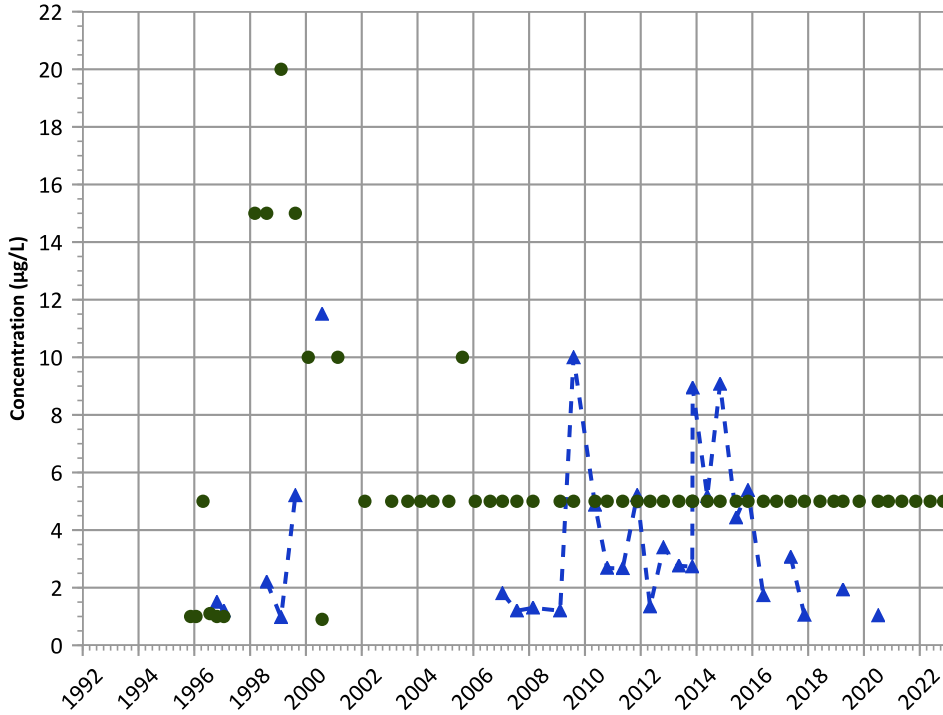
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

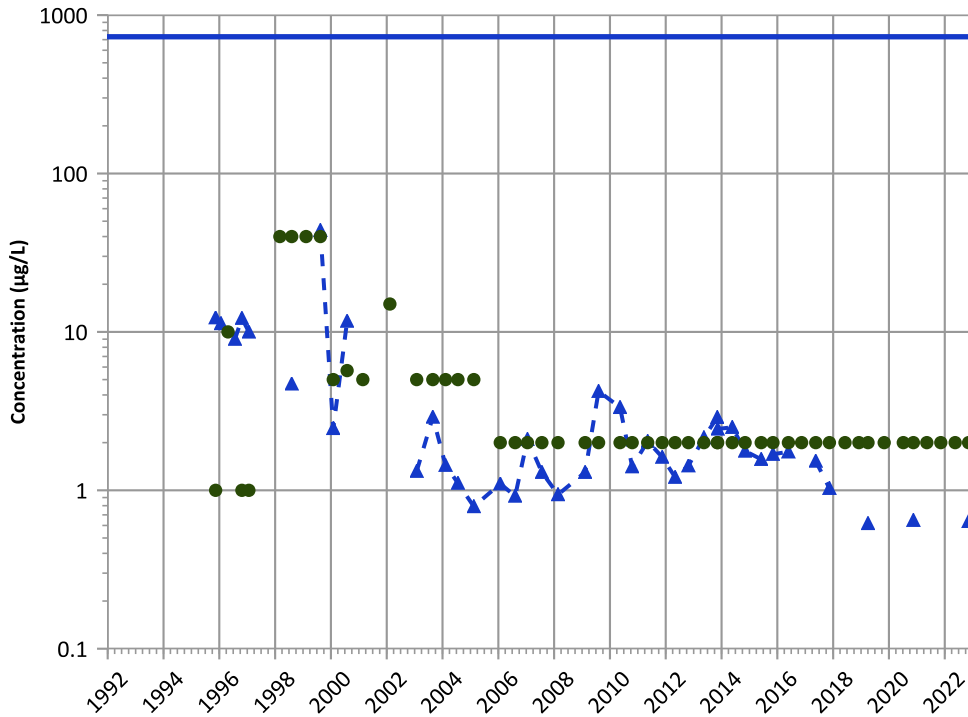


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Nickel Trend



Concentration Trend

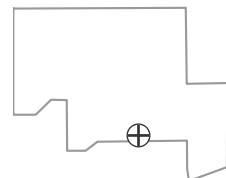
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

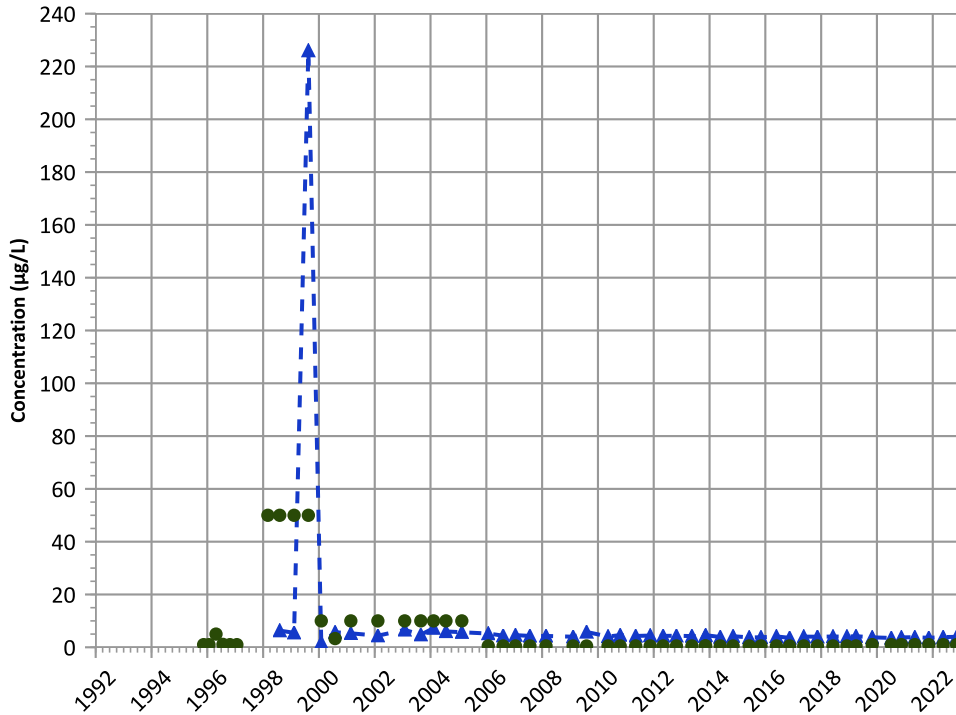
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Molybdenum Trend**

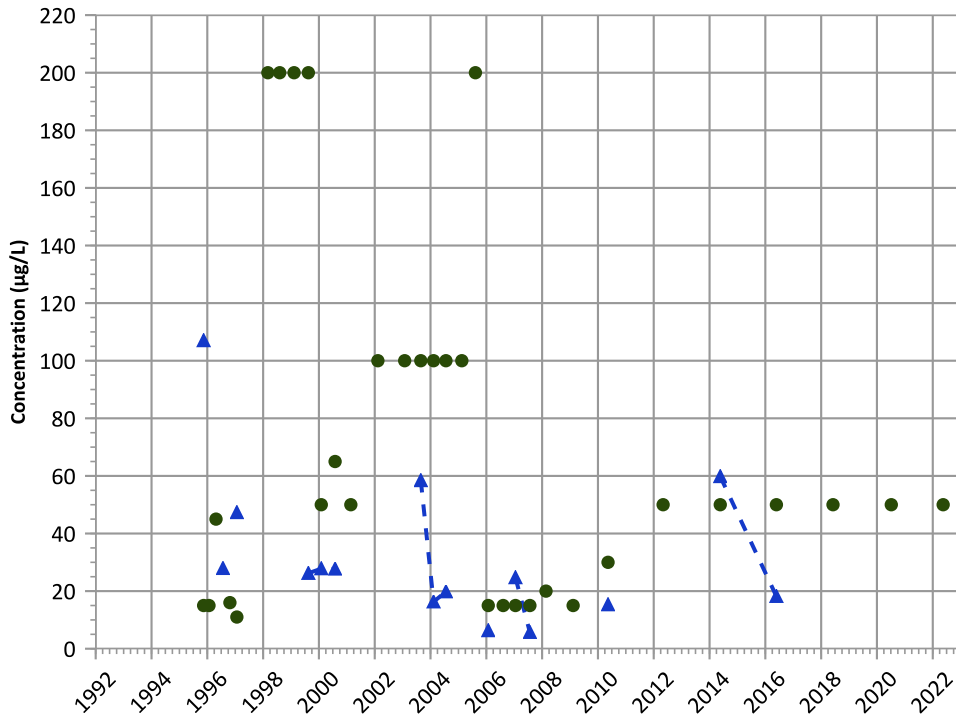


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Aluminum Trend**



**Concentration Trend**

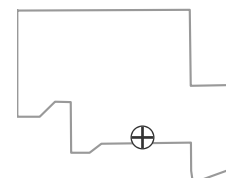
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

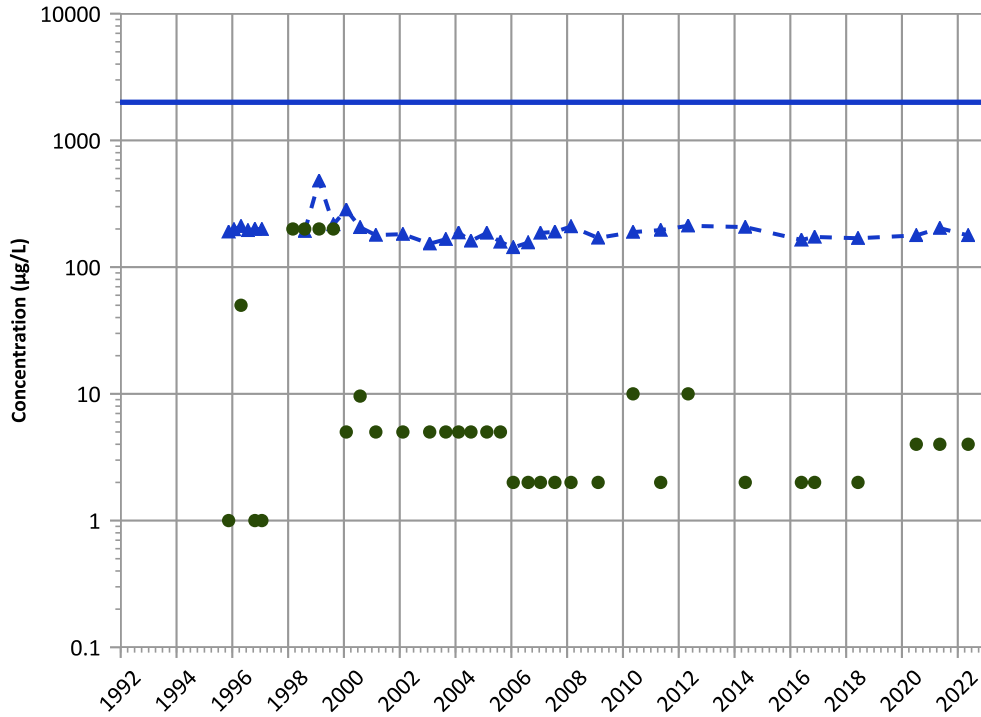
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

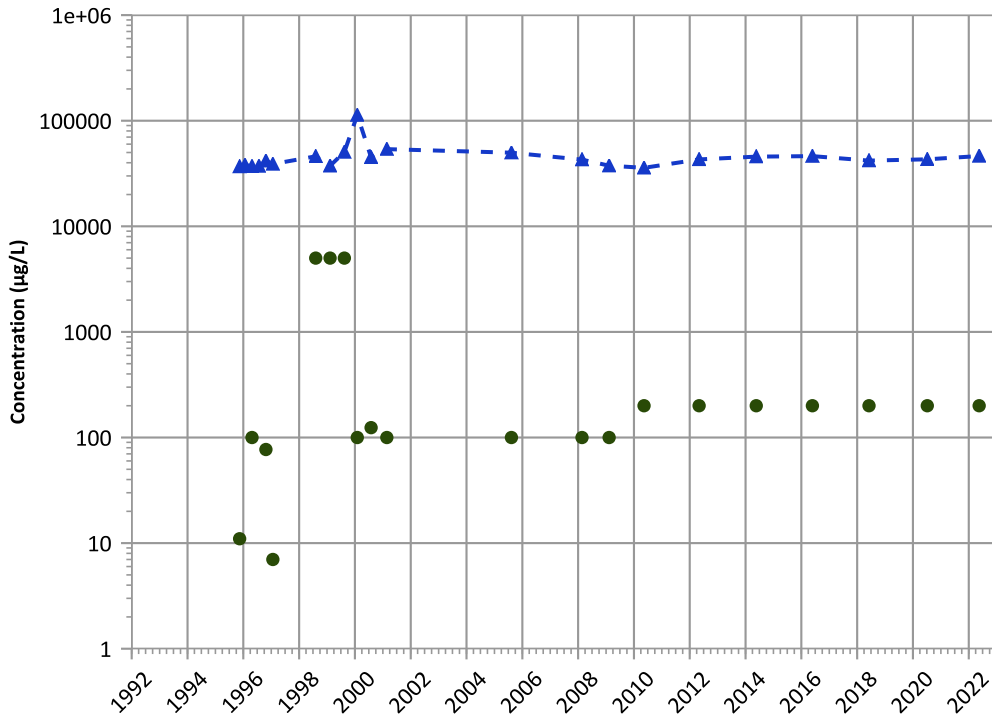


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Calcium Trend



Concentration Trend

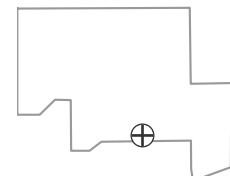
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

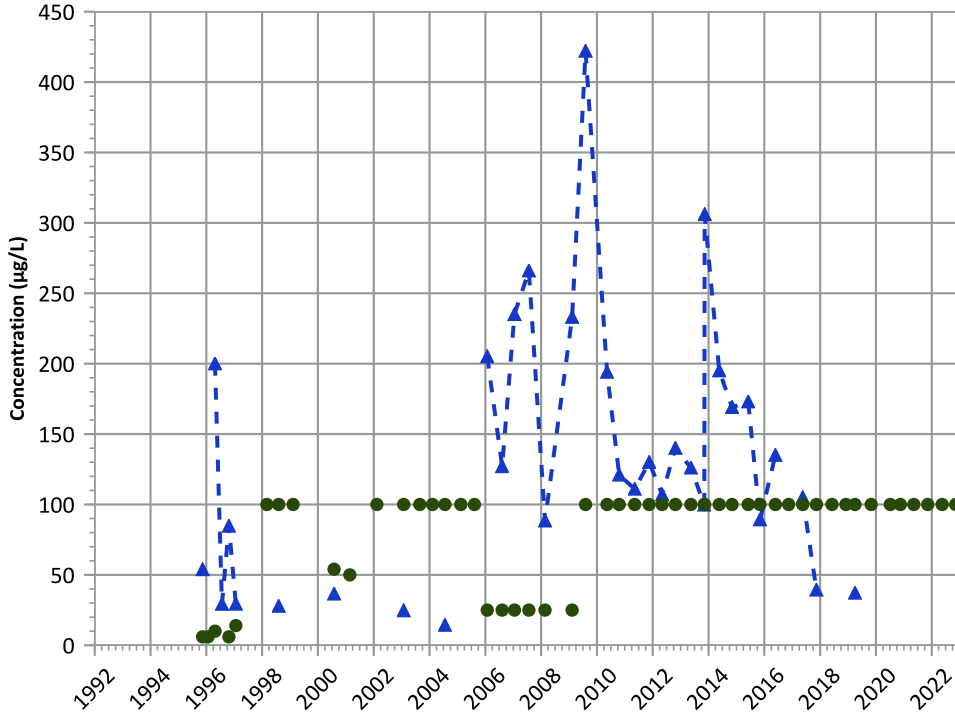
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

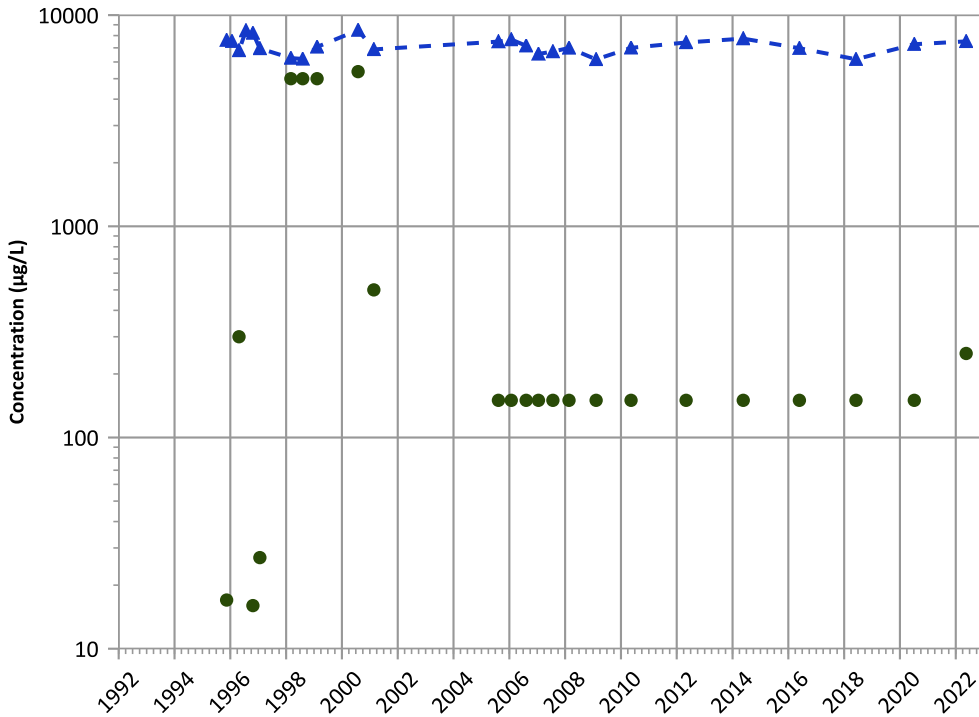


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Potassium Trend



Concentration Trend

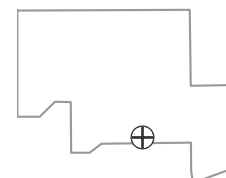
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

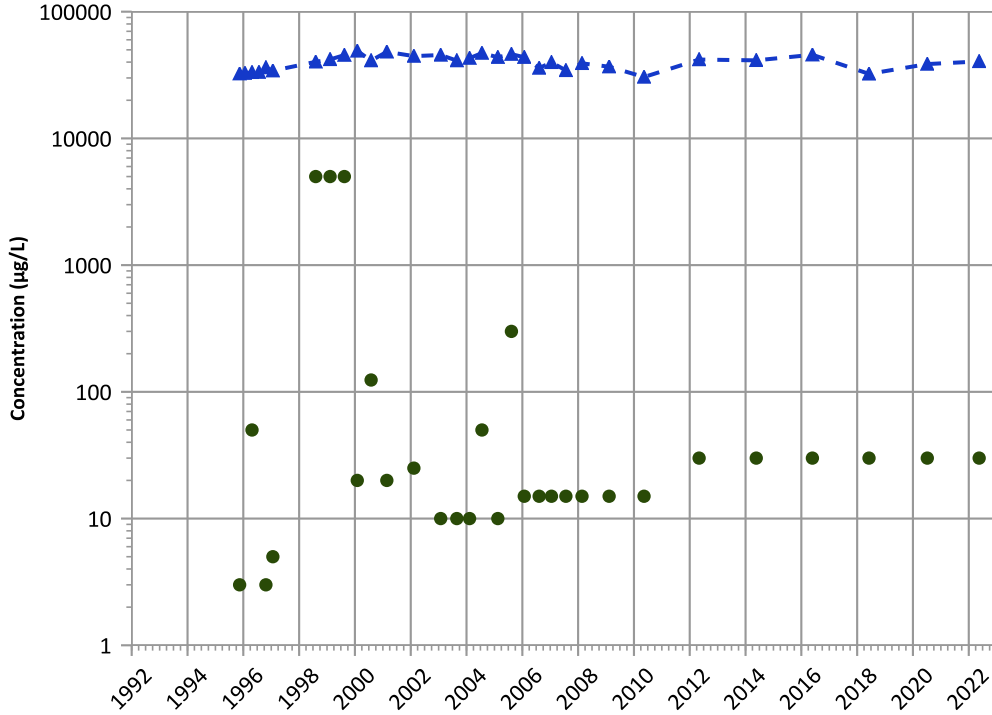
Well Location





PTX08-1008 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

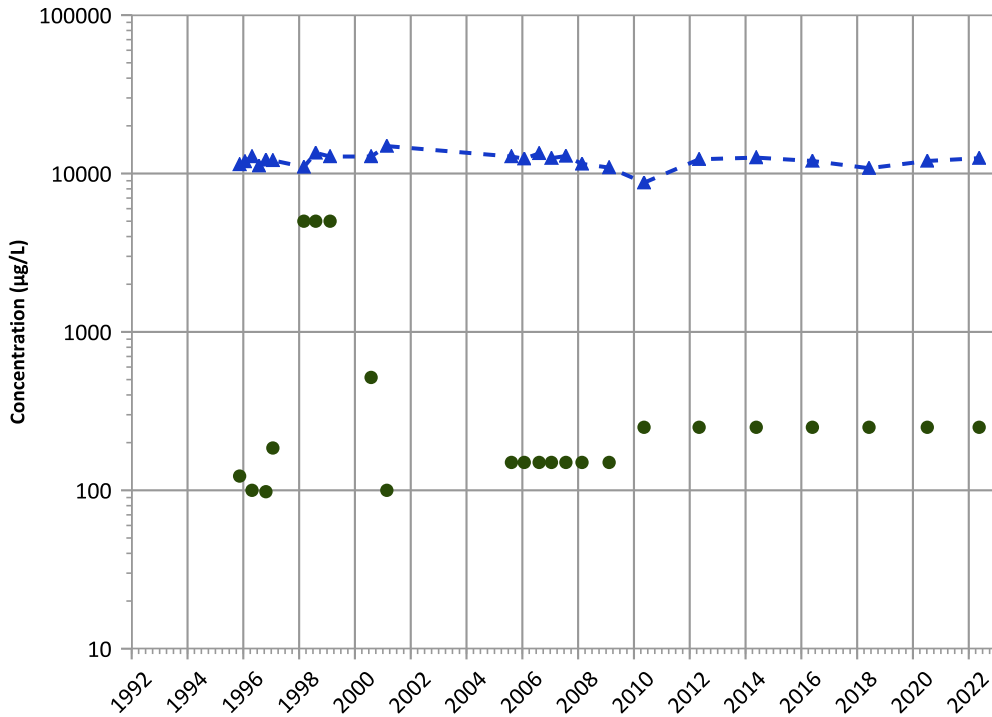
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Stable

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

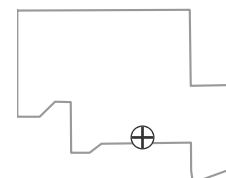
2020 - 2022 Data:

No Trend

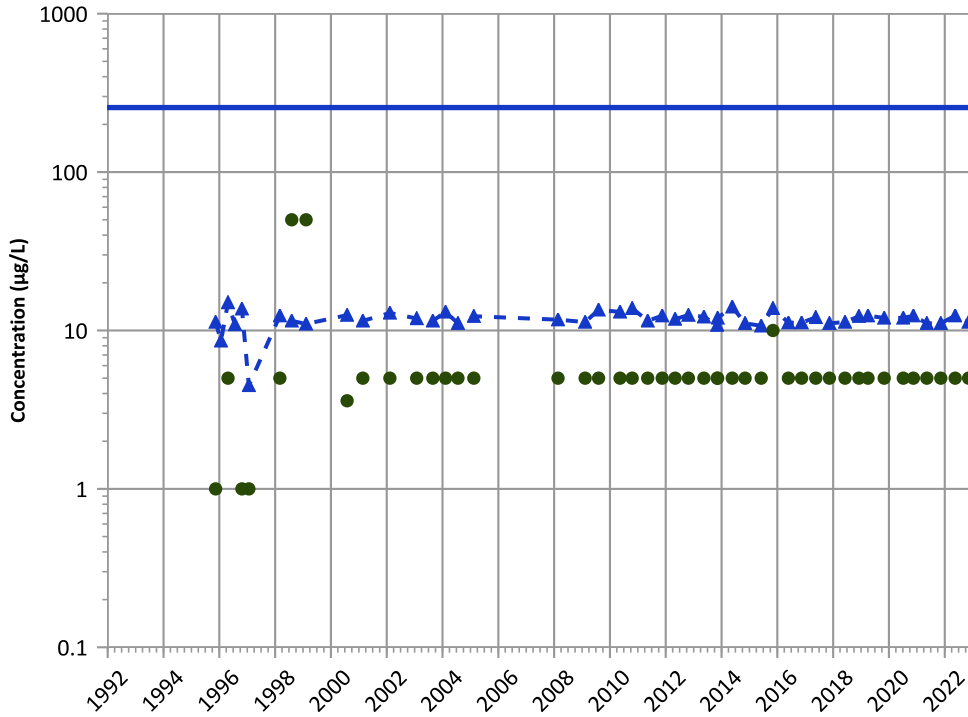
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/09/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

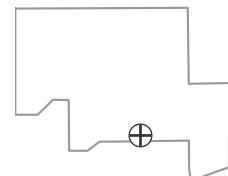
2020 - 2022 Data:

No Trend

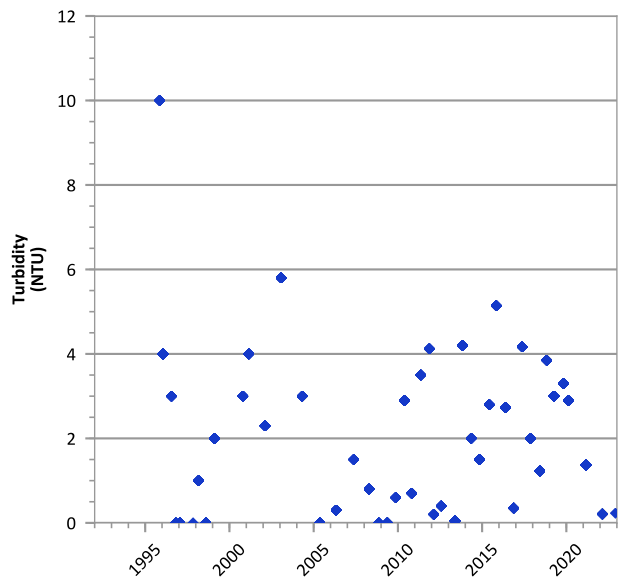
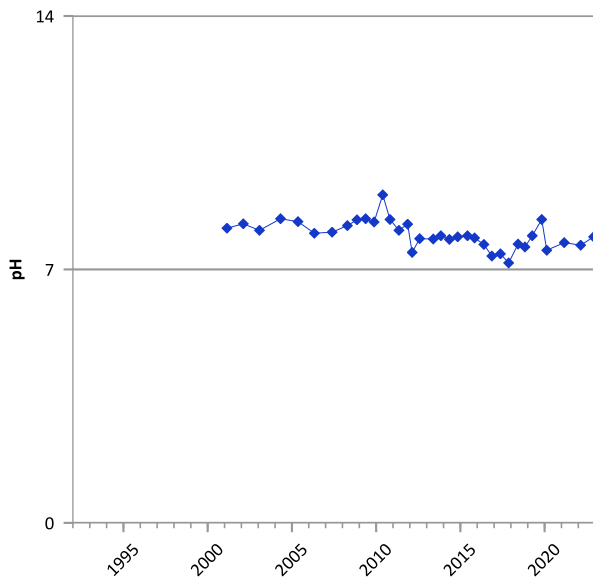
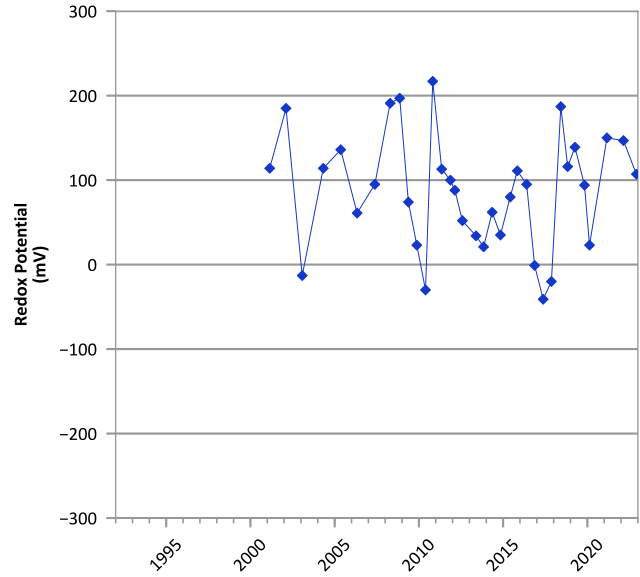
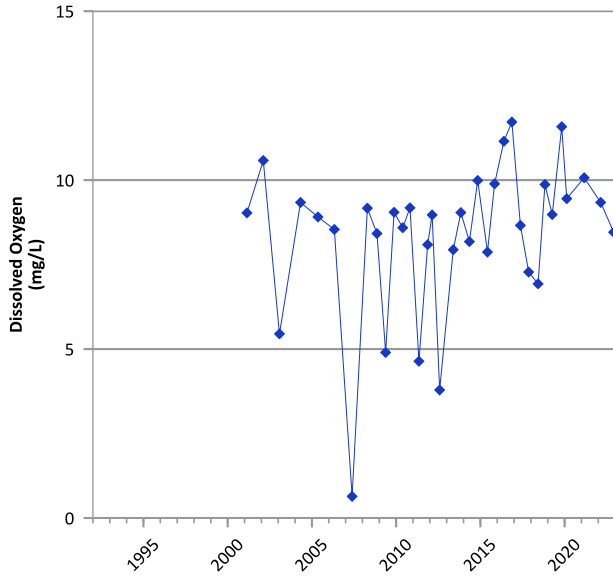
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/14/1995 to 11/09/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

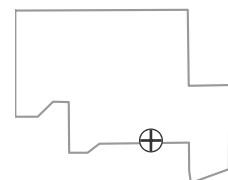


**PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



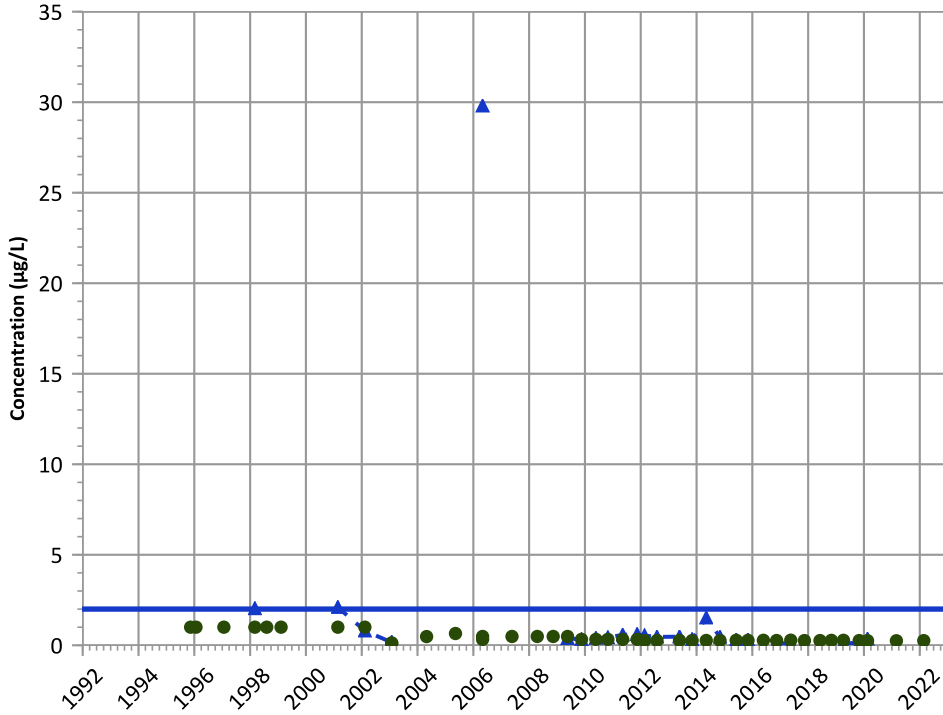
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/14/1995 to 11/29/2022  
 Analysis Date: 04/27/2023

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

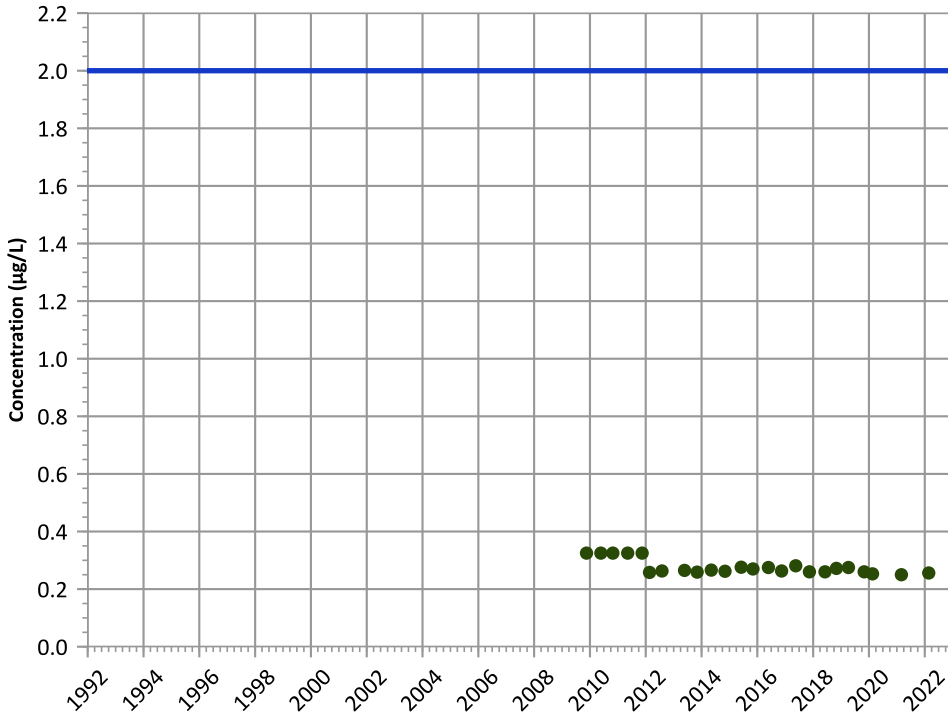


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

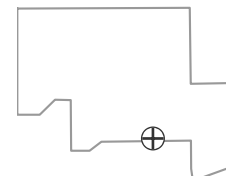
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

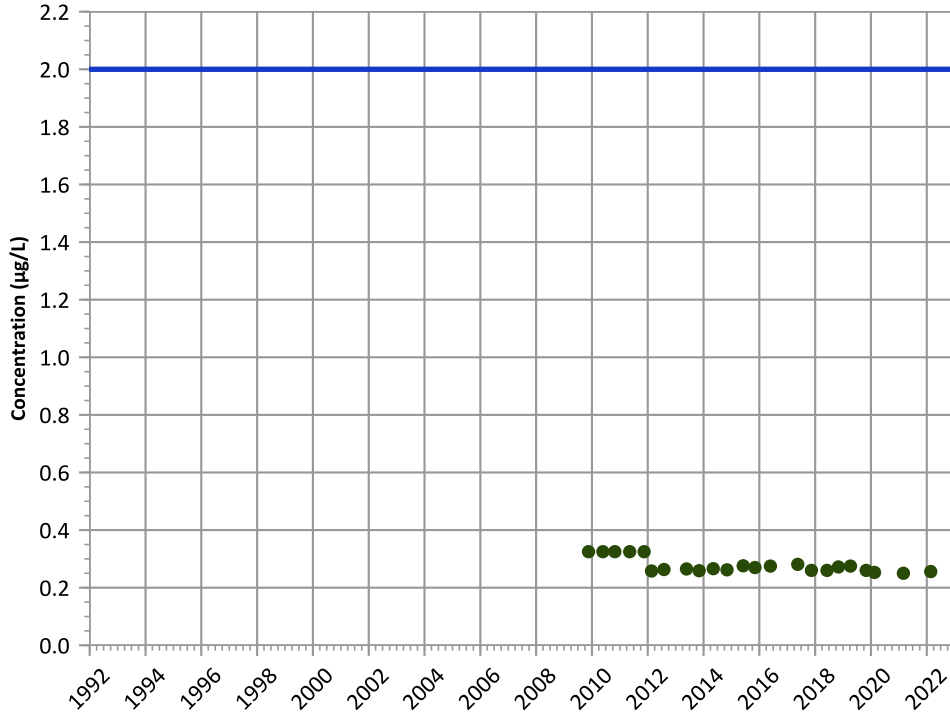
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

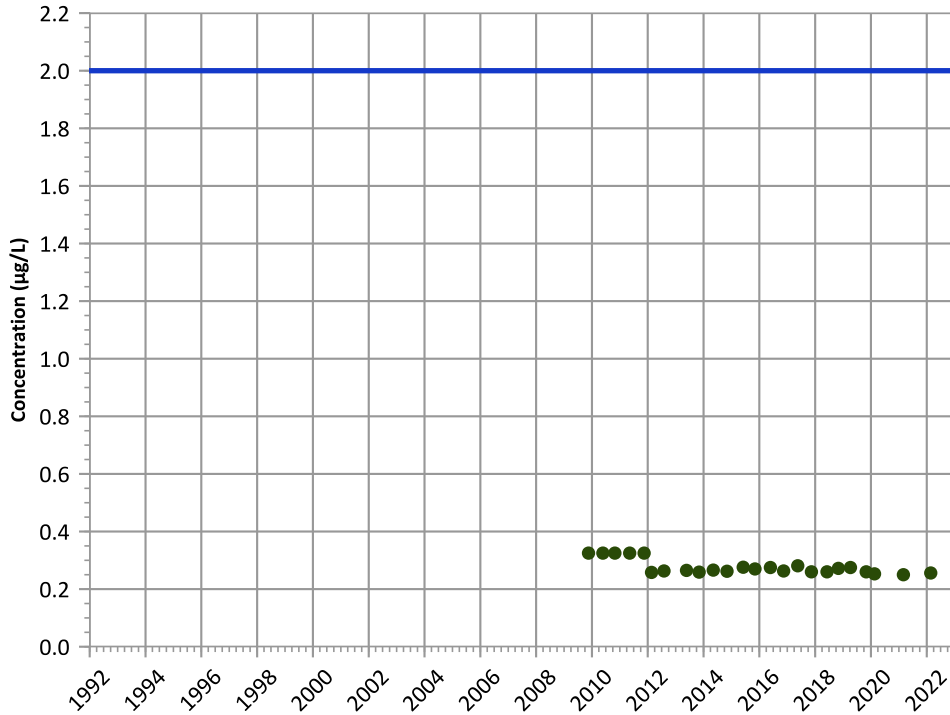


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**

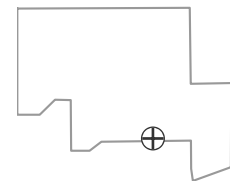


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

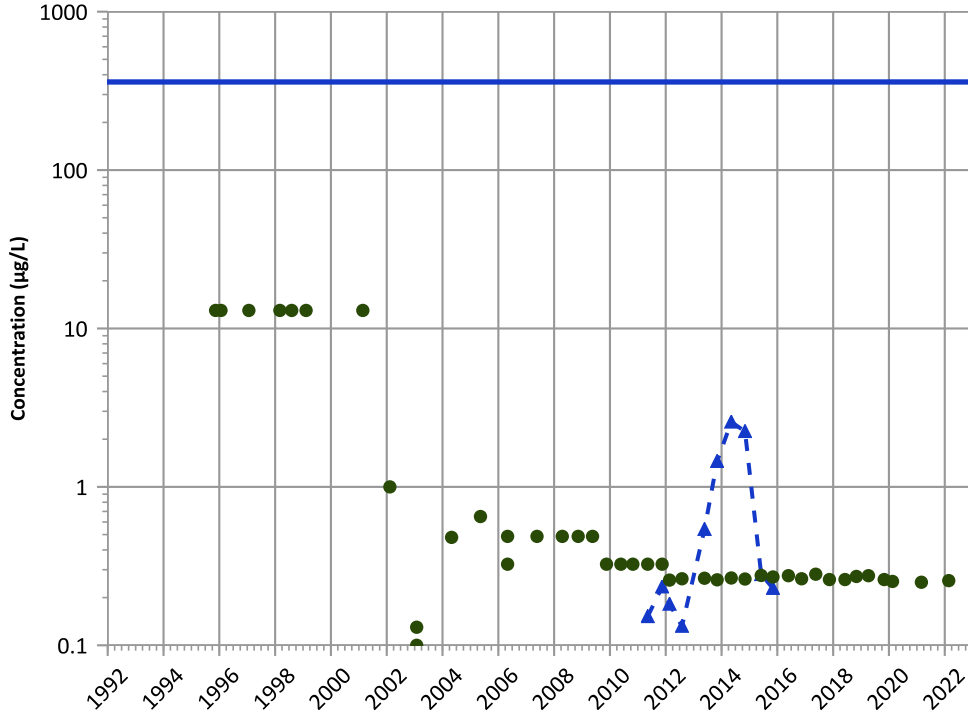


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

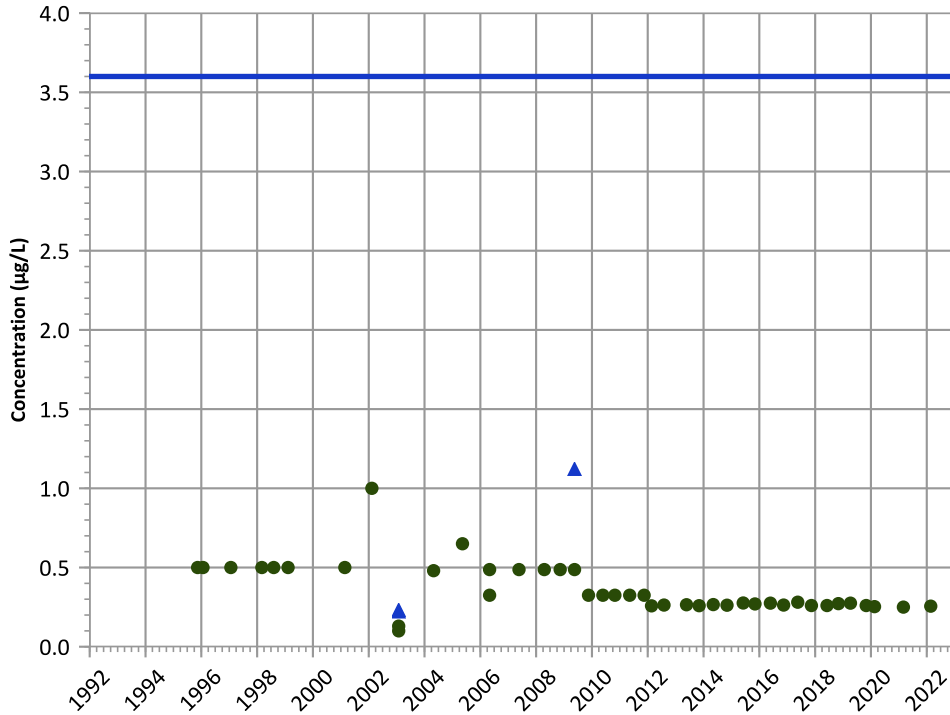
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Probably Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

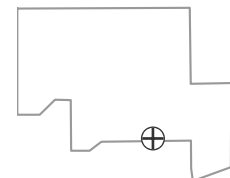
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

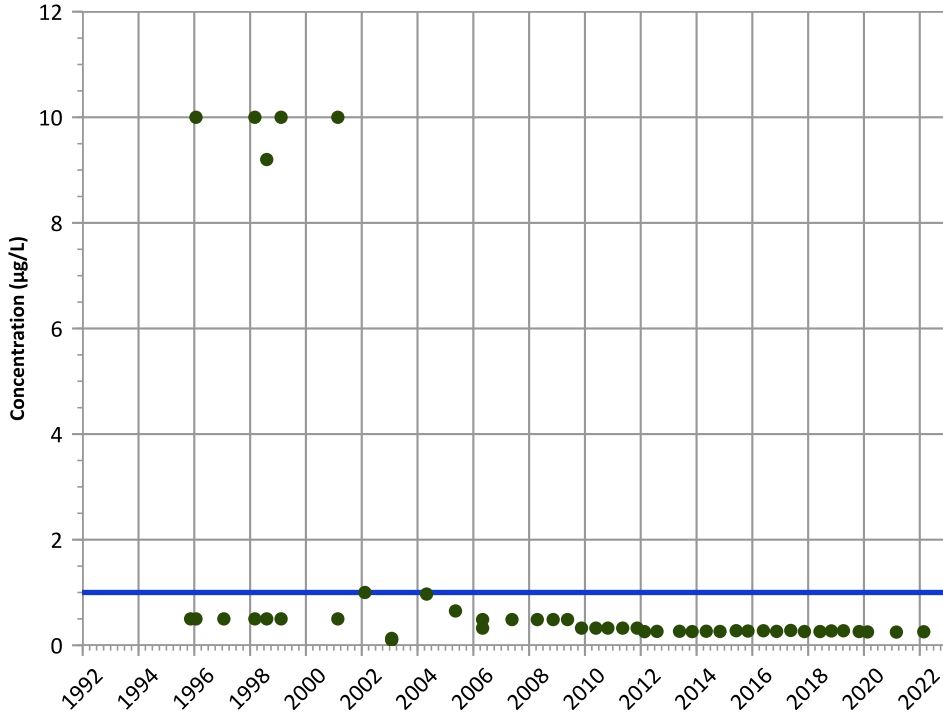
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

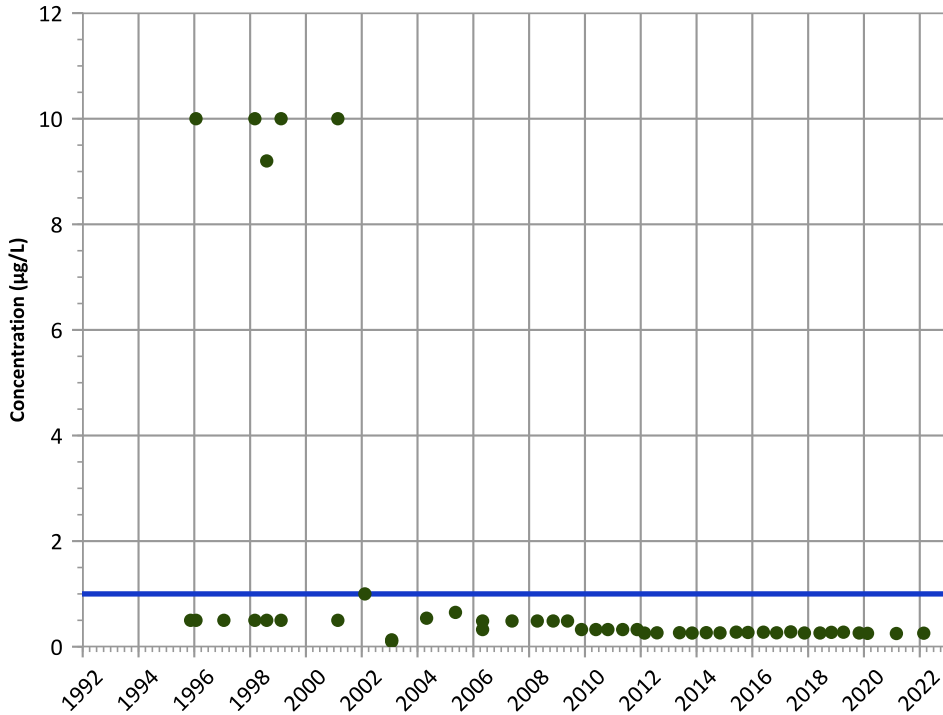
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

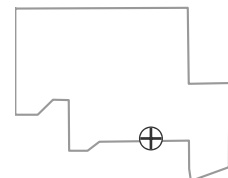
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

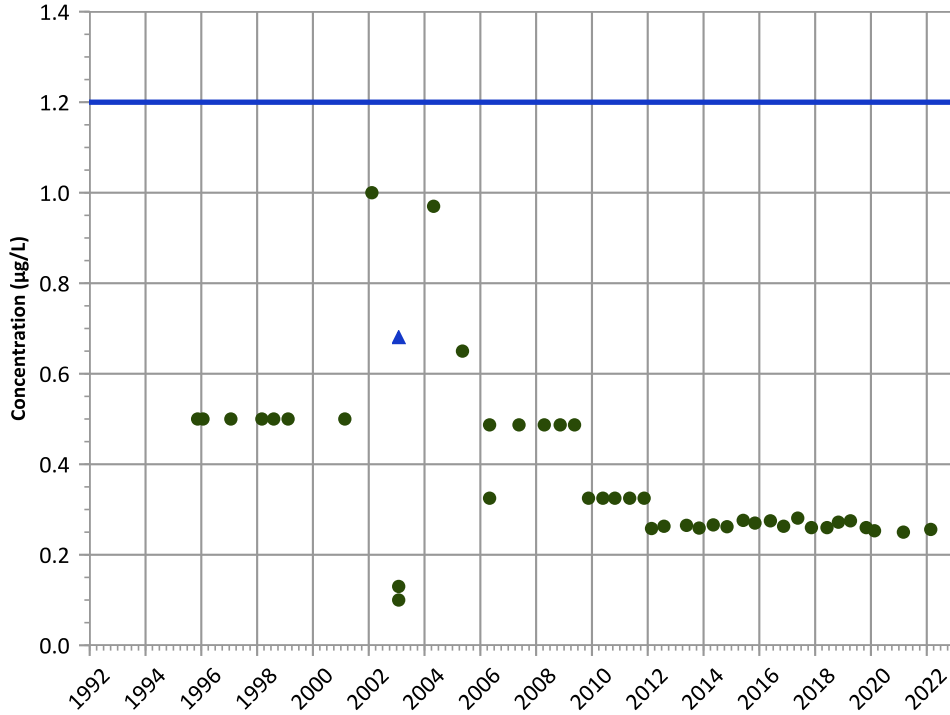
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

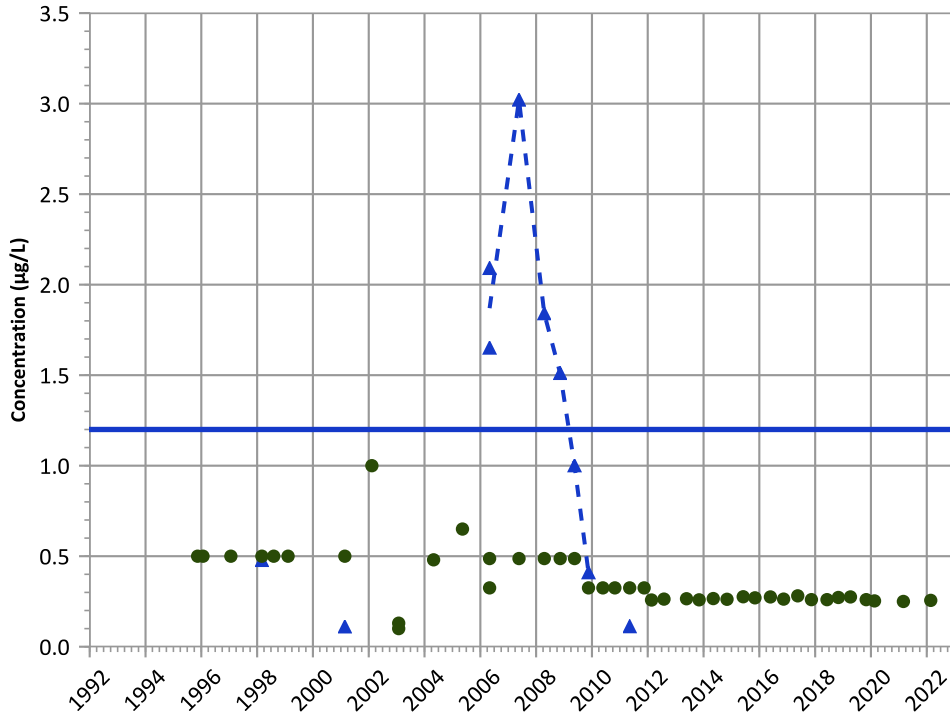


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

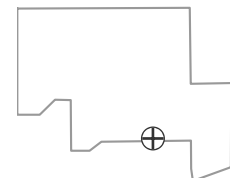
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

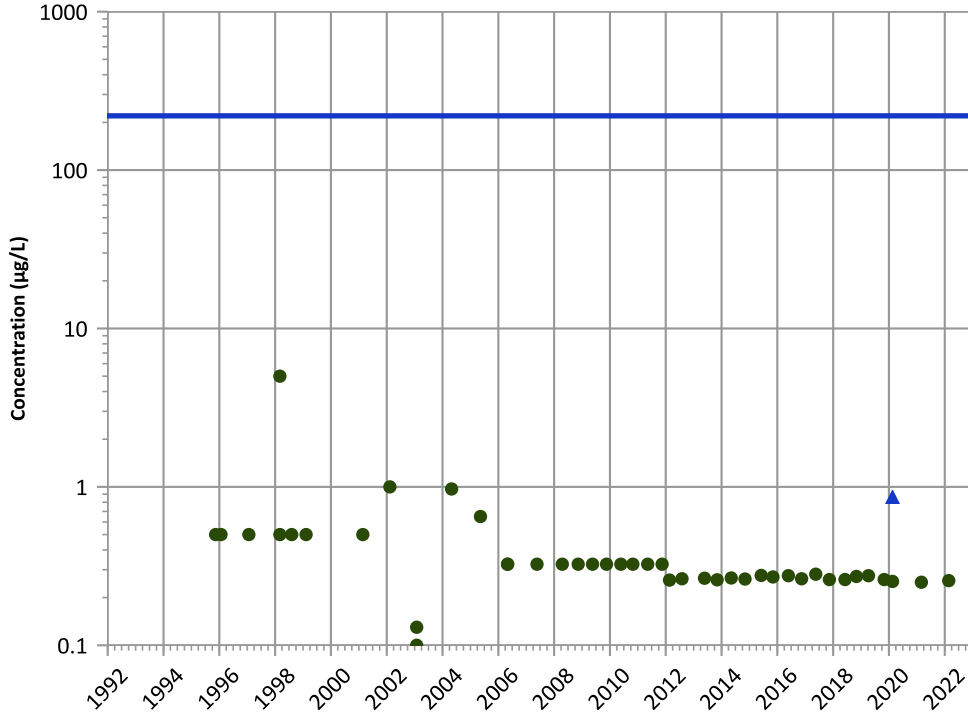
Well Location





PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

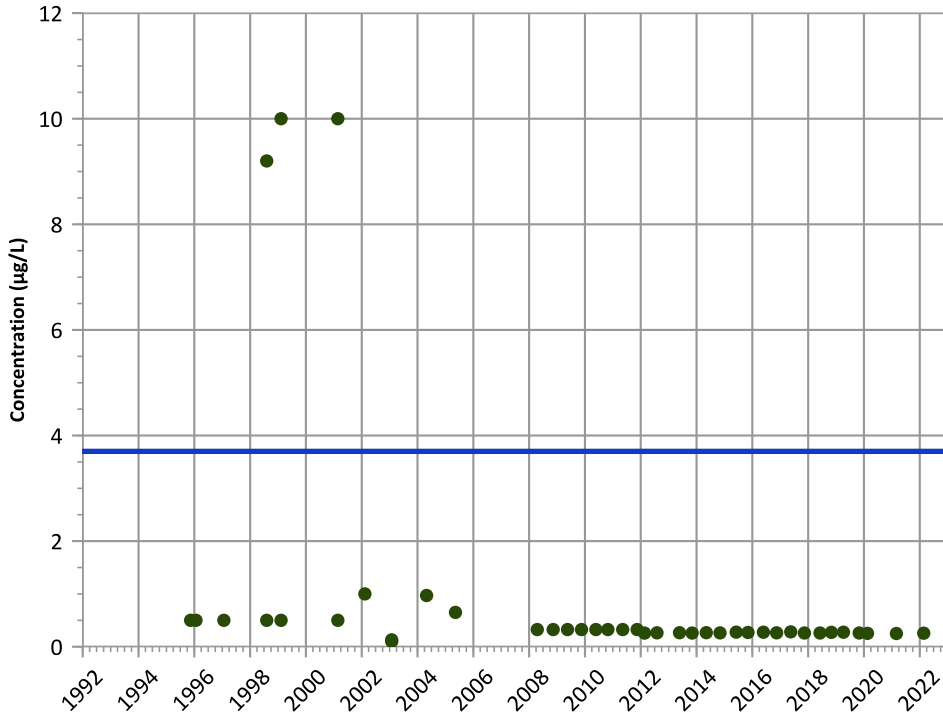


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

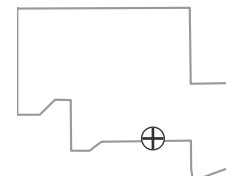
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

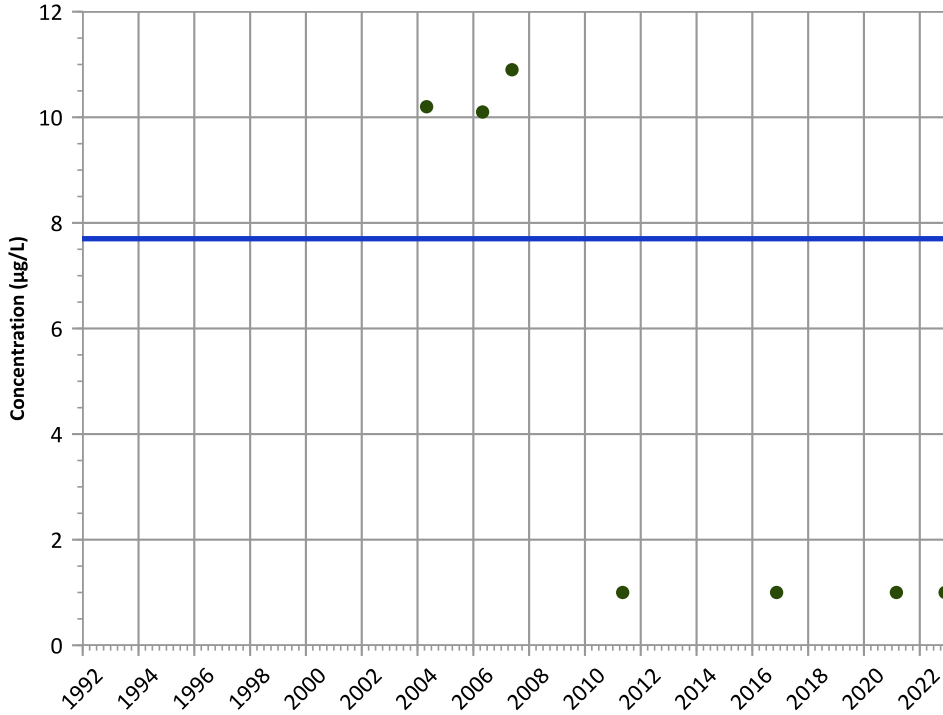
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

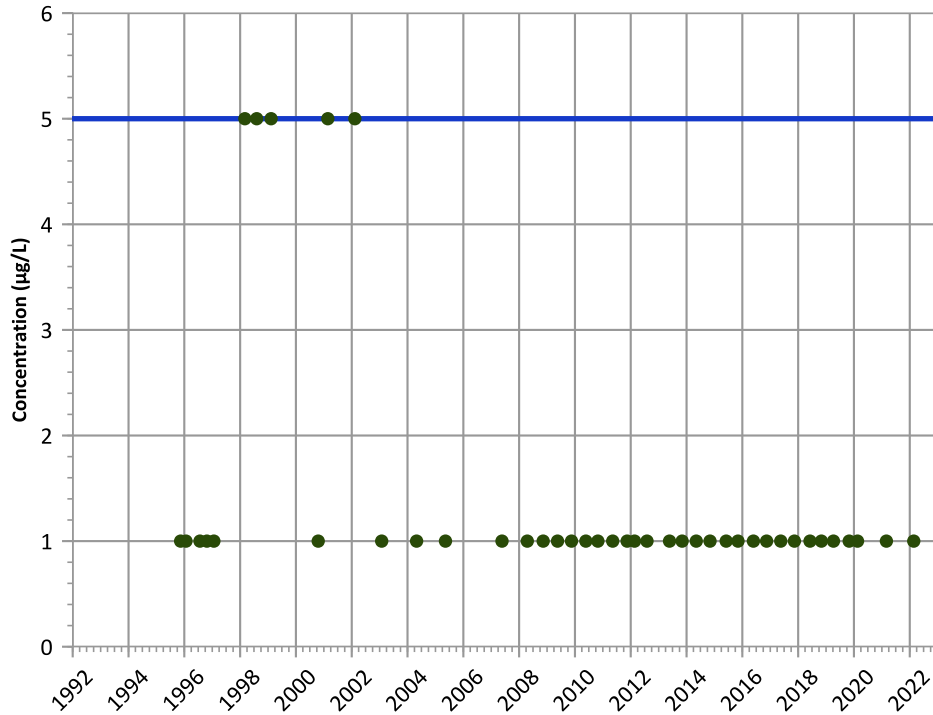


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

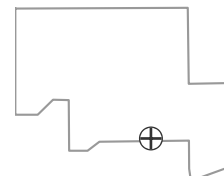
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

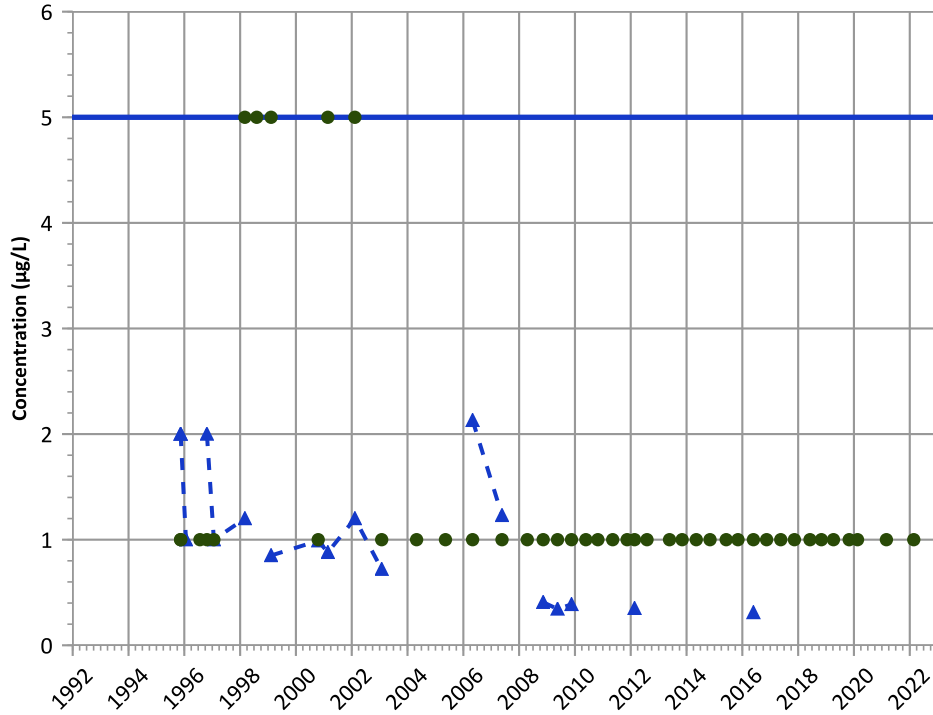
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

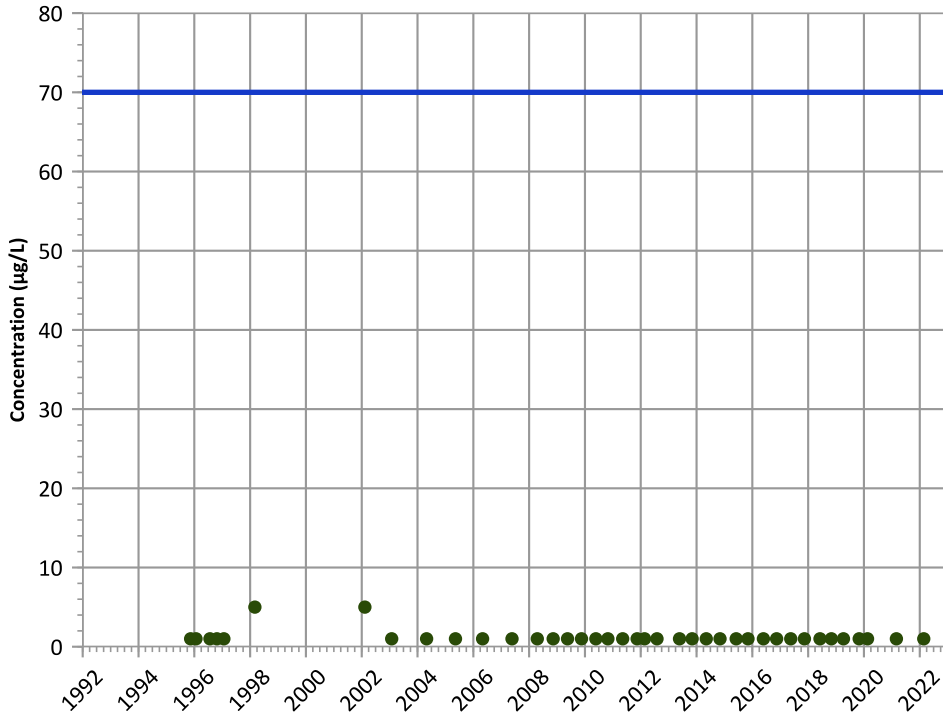


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

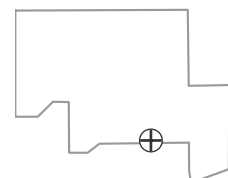
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

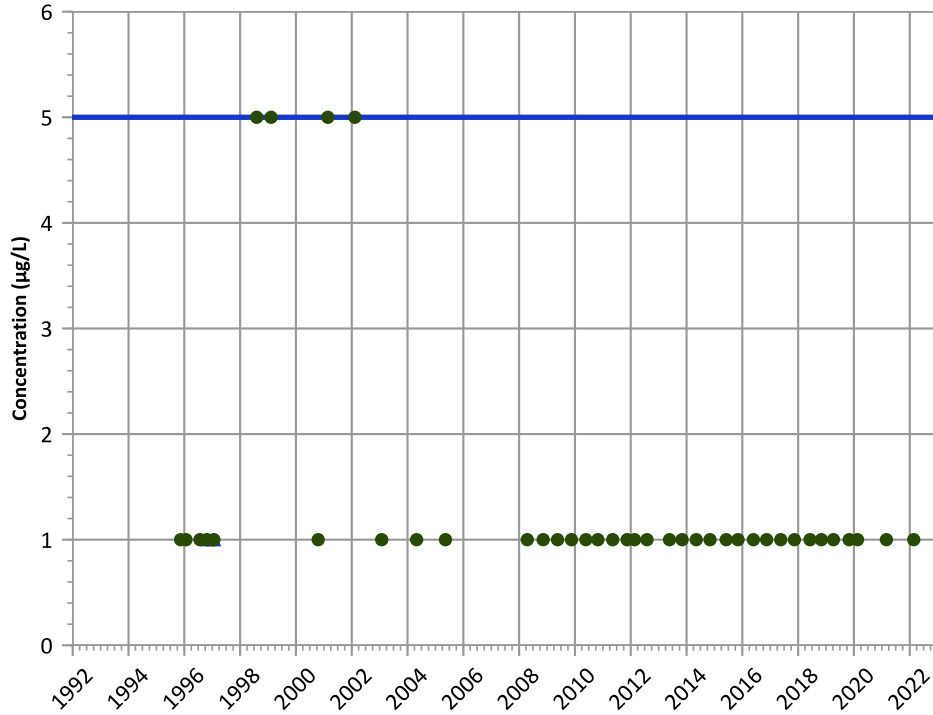
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

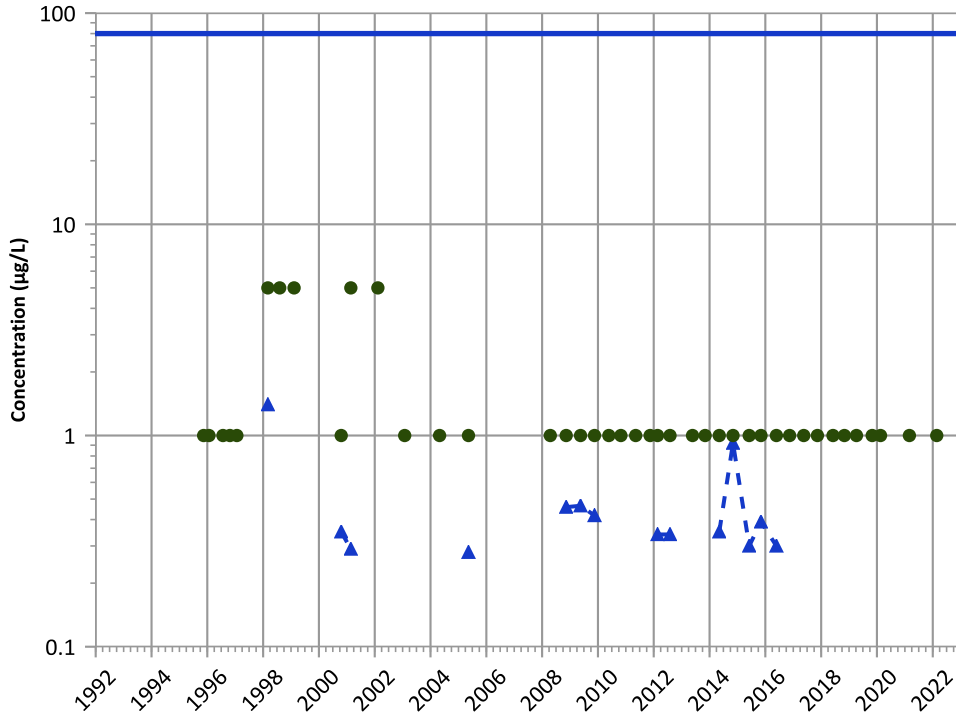
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

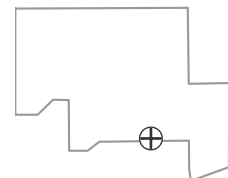
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

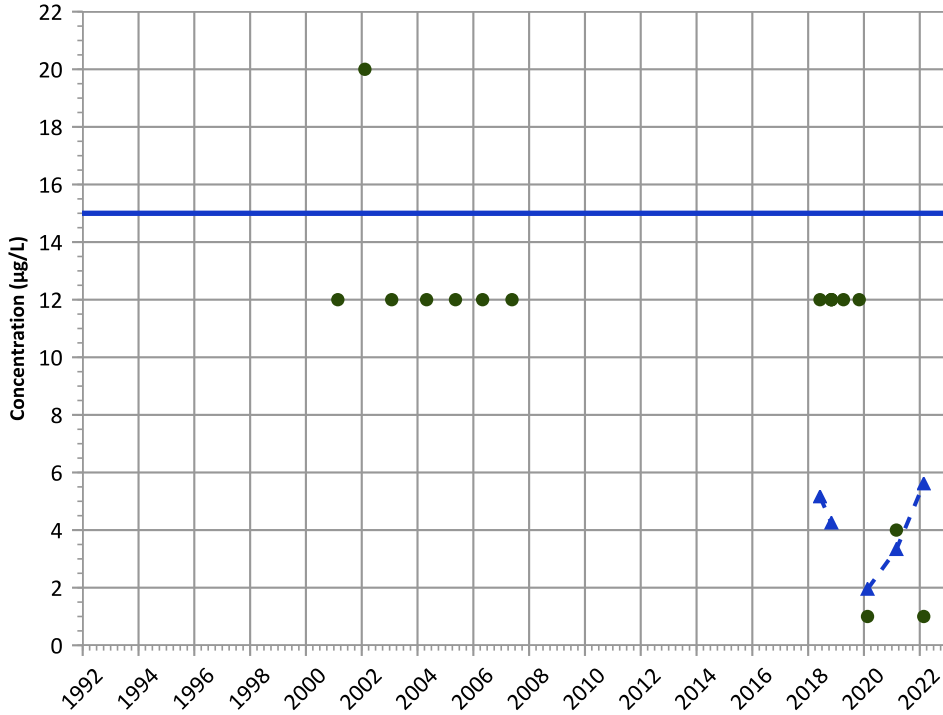
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

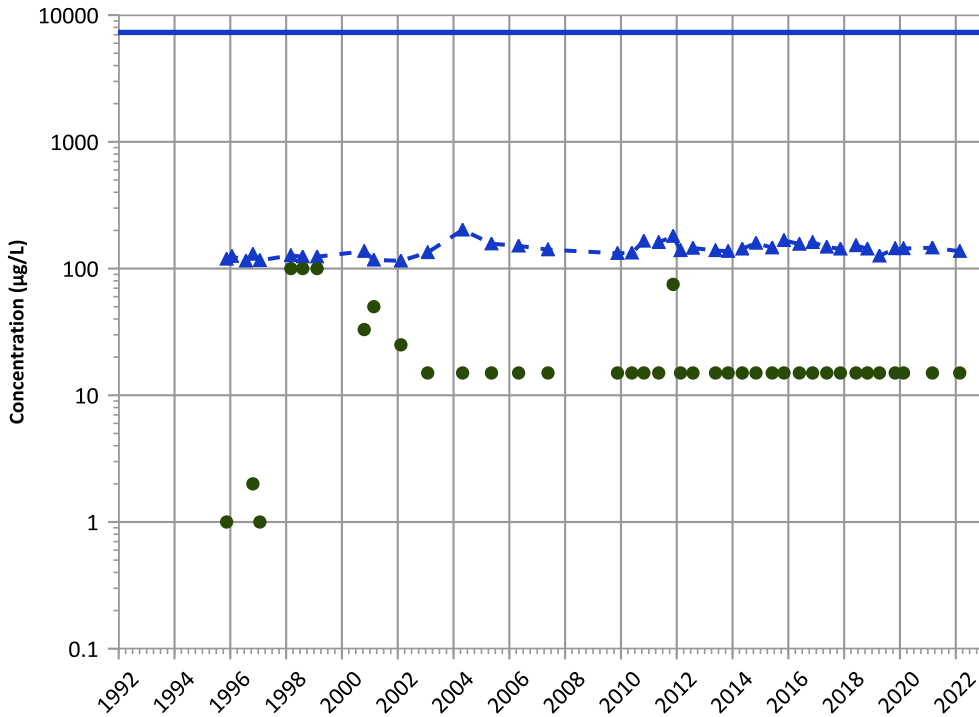


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

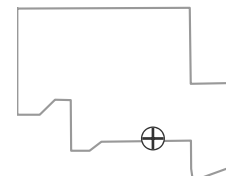
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

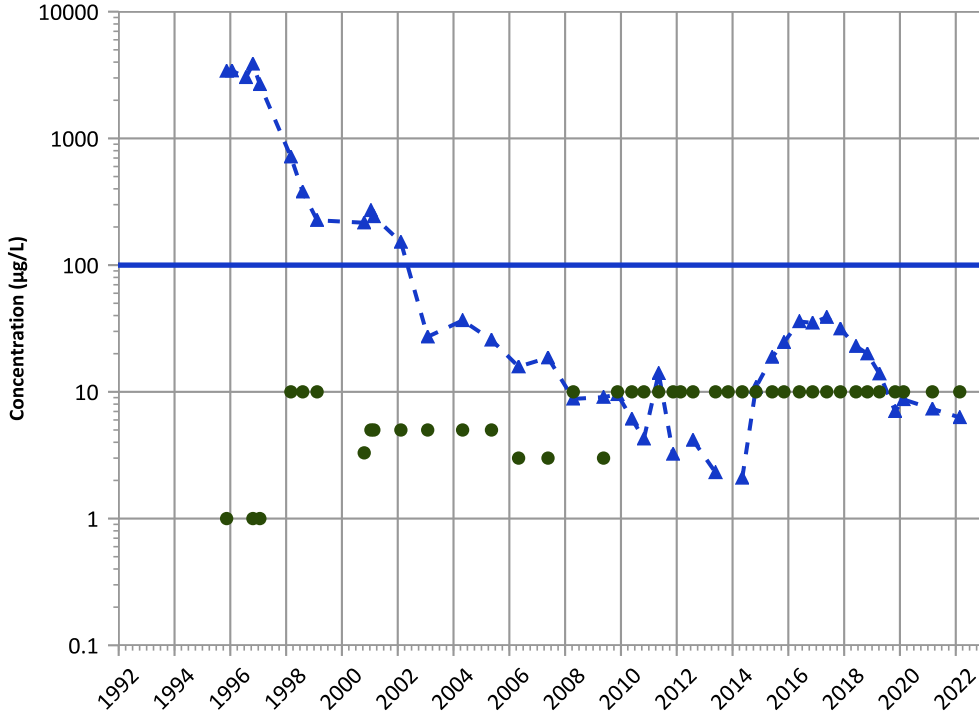
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

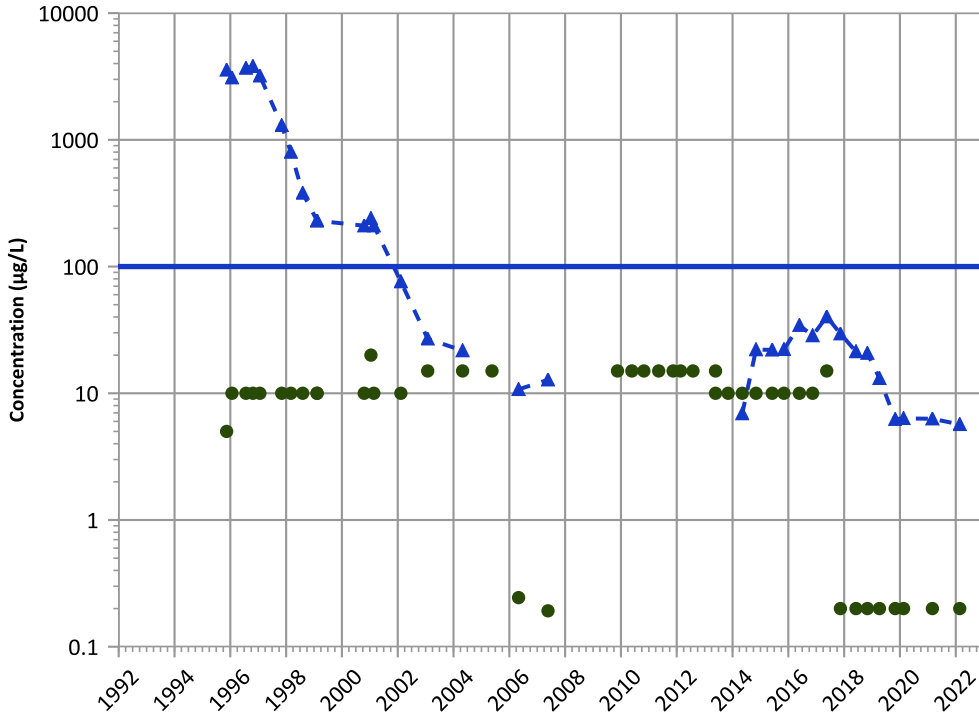
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Stable

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

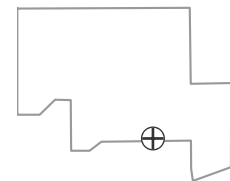
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

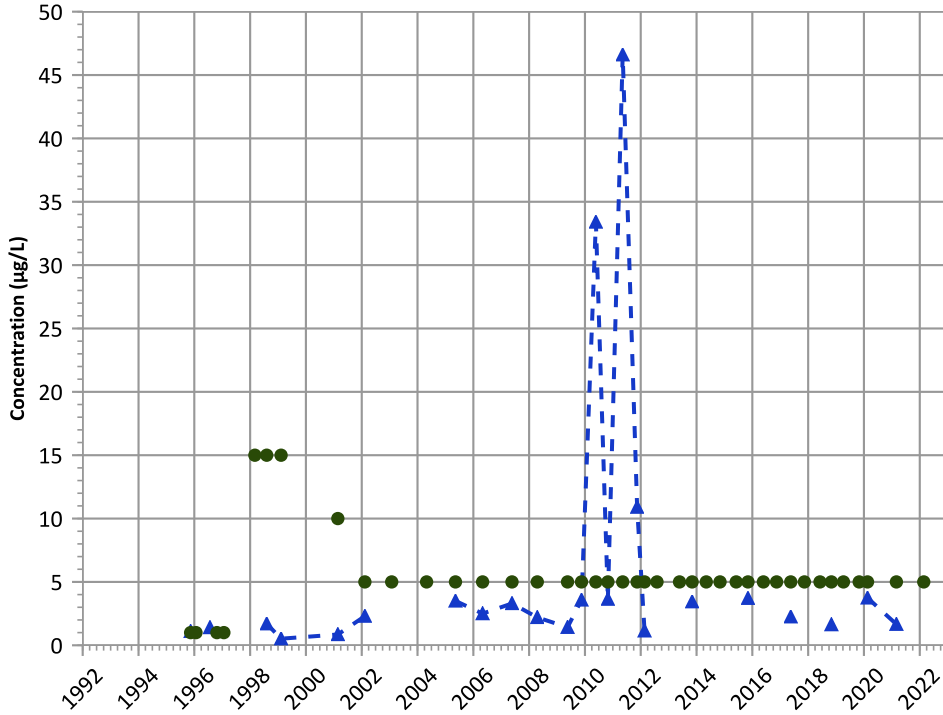


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

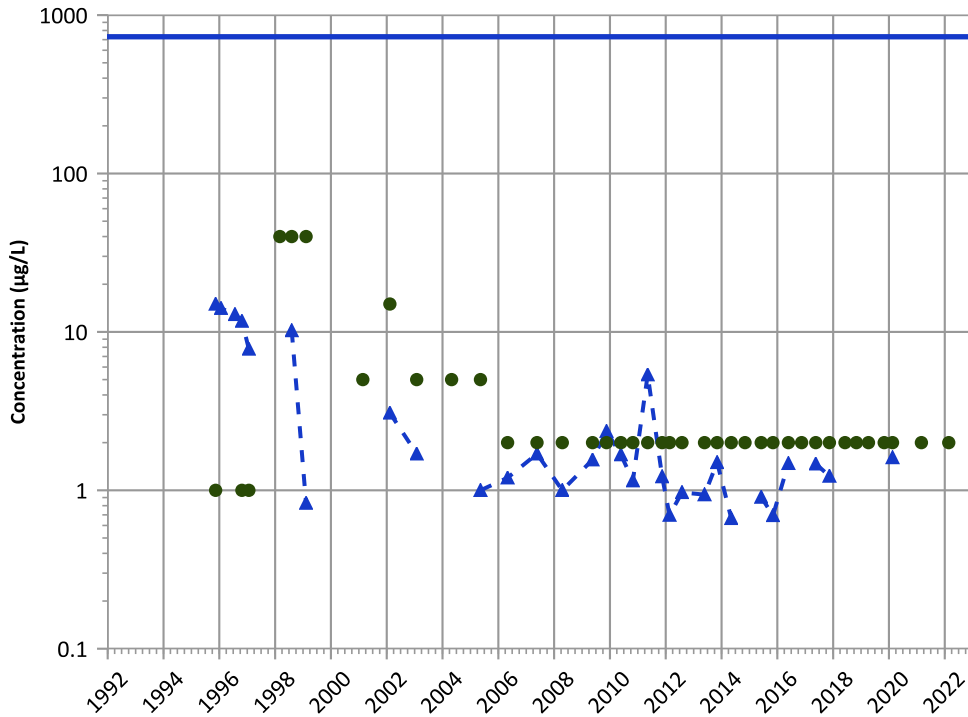


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Nickel Trend



Concentration Trend

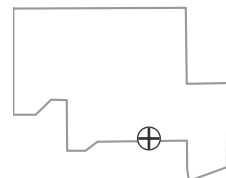
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

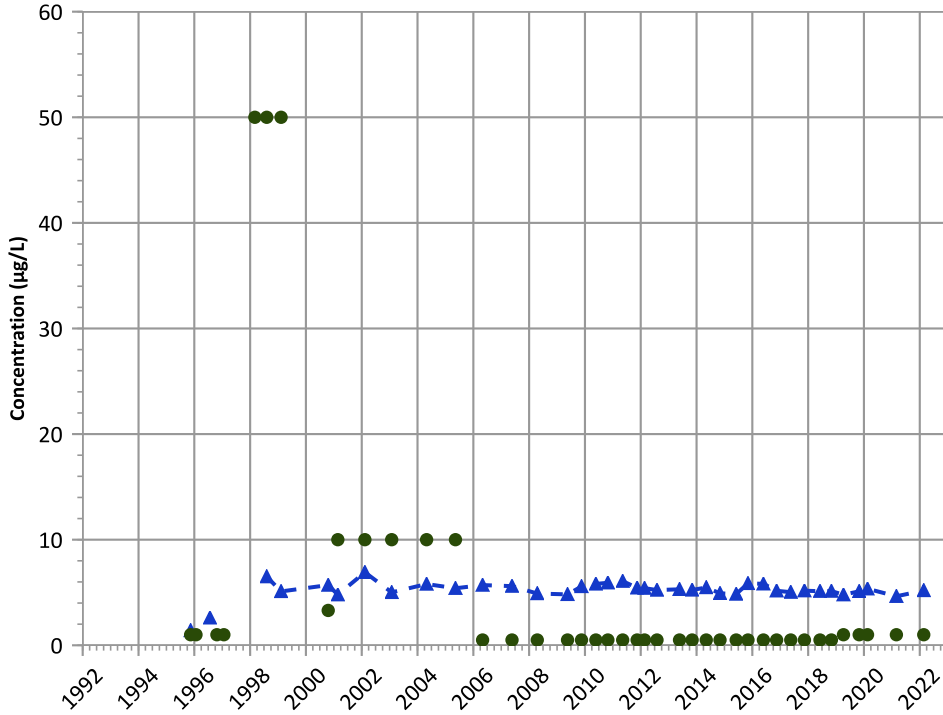
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

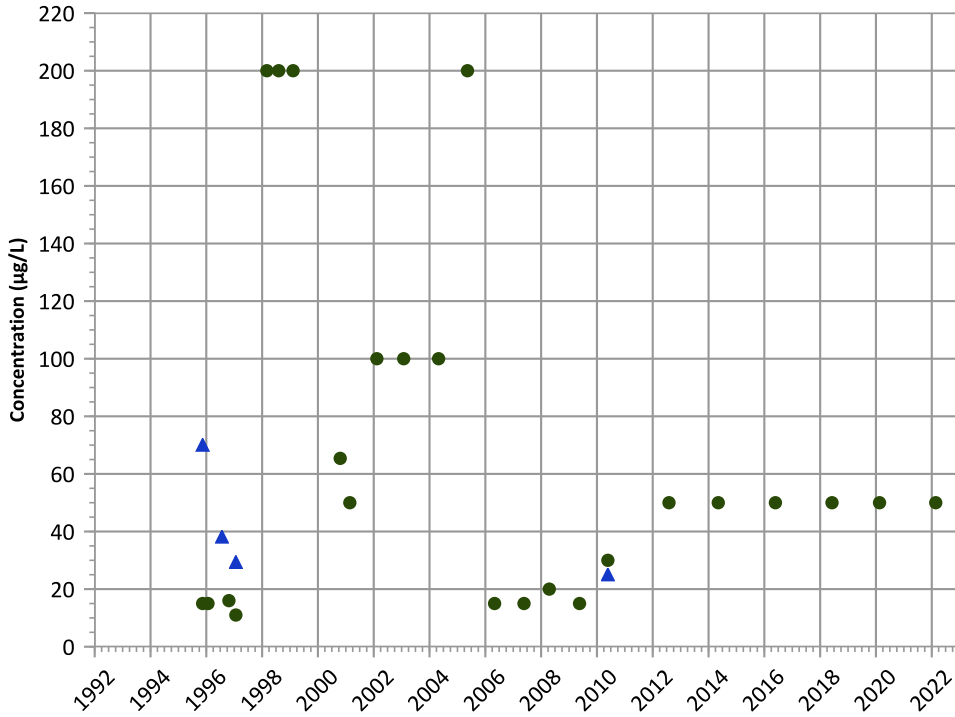


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

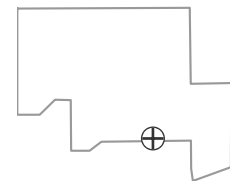
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

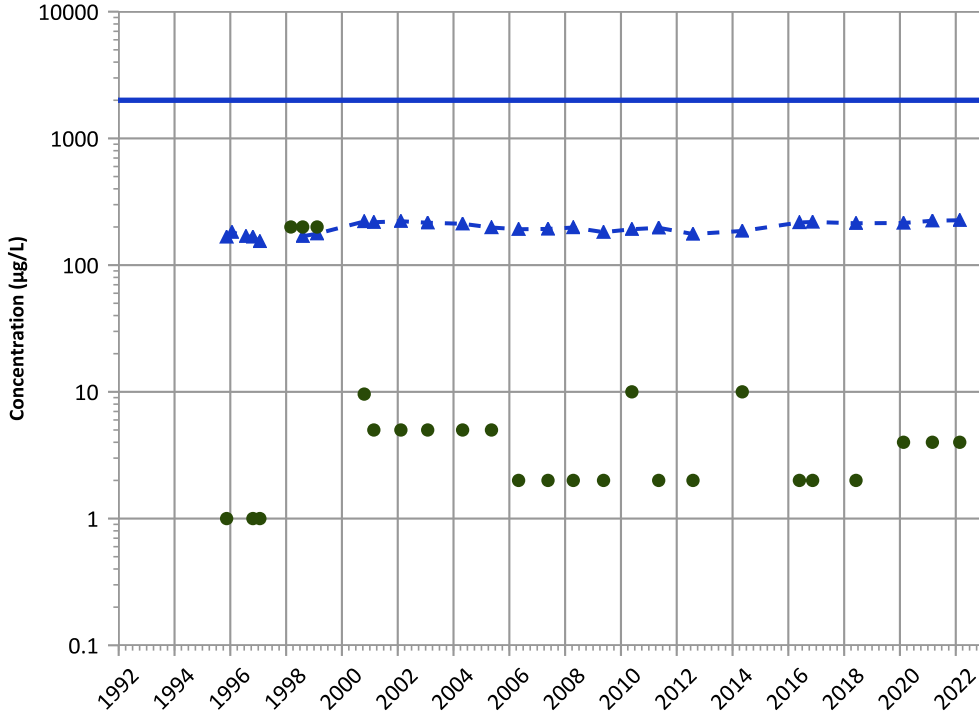
Well Location





PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

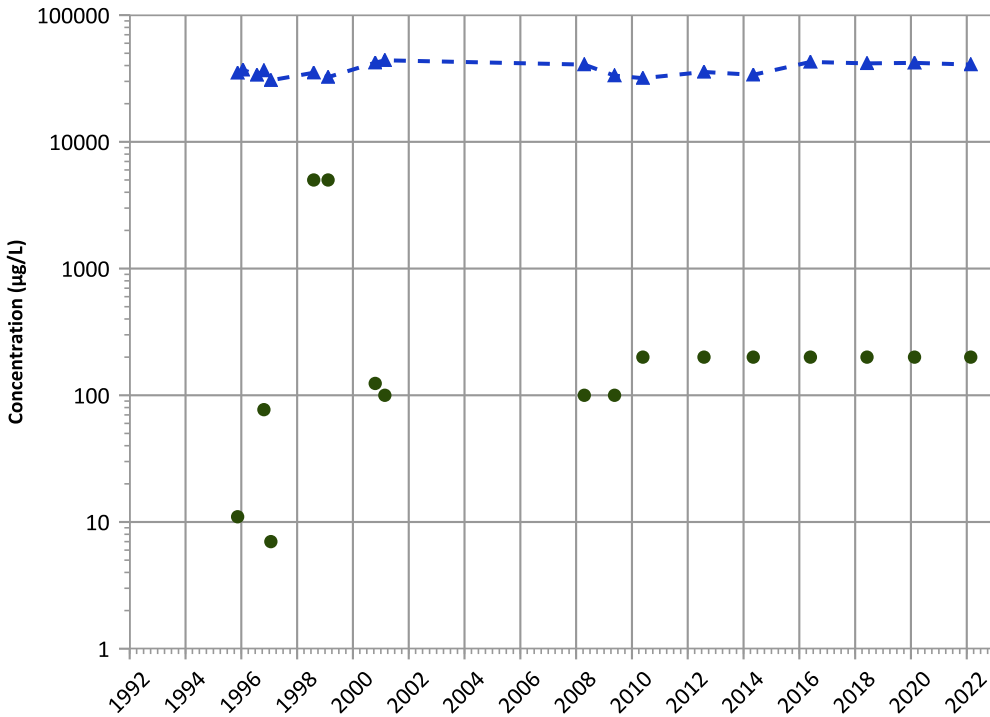


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

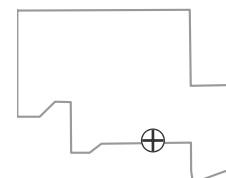
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

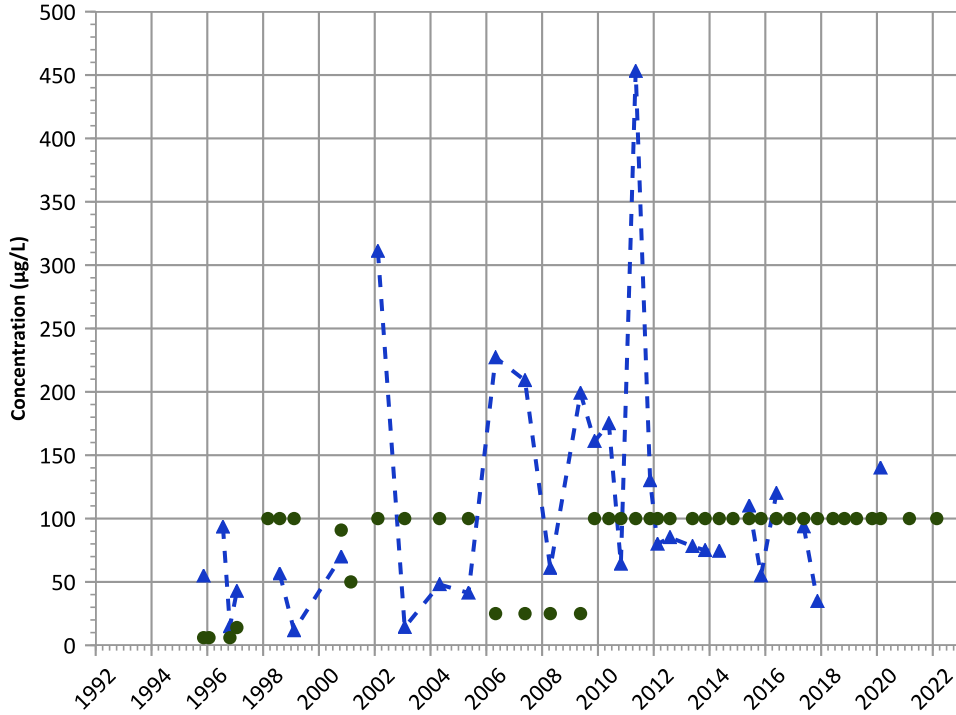
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

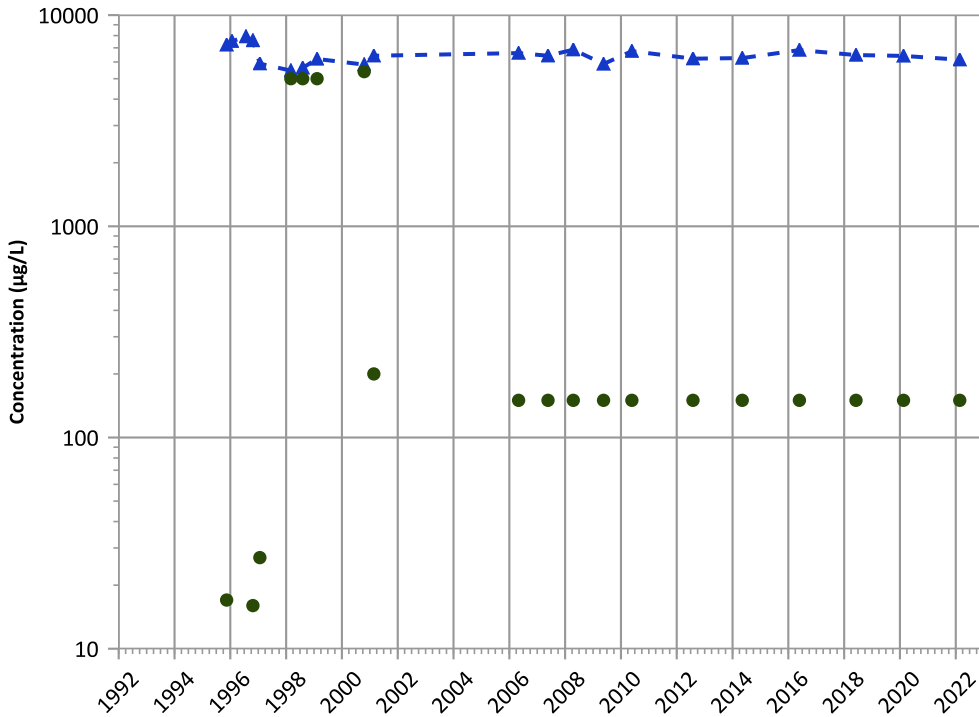


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Potassium Trend



Concentration Trend

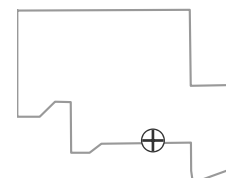
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

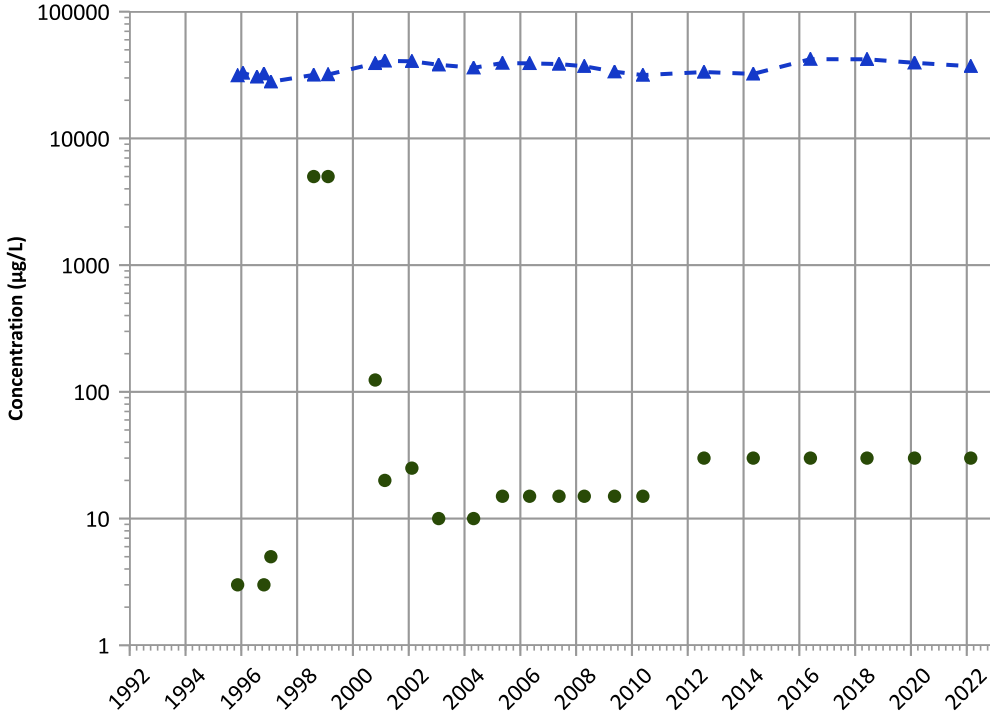
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

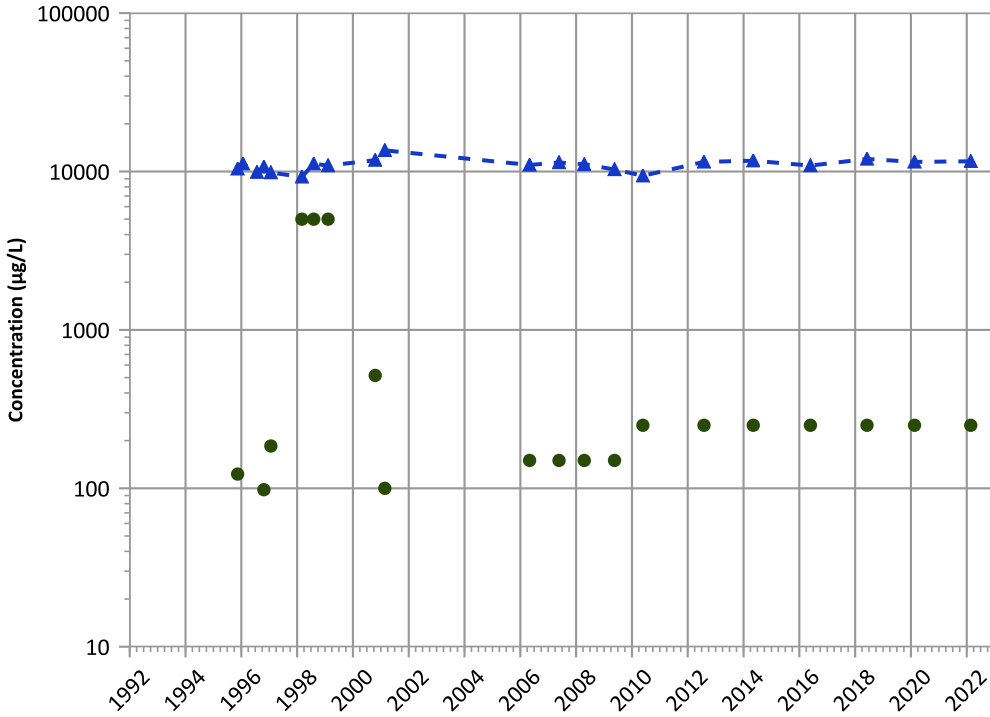


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Sodium Trend

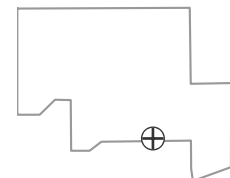


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

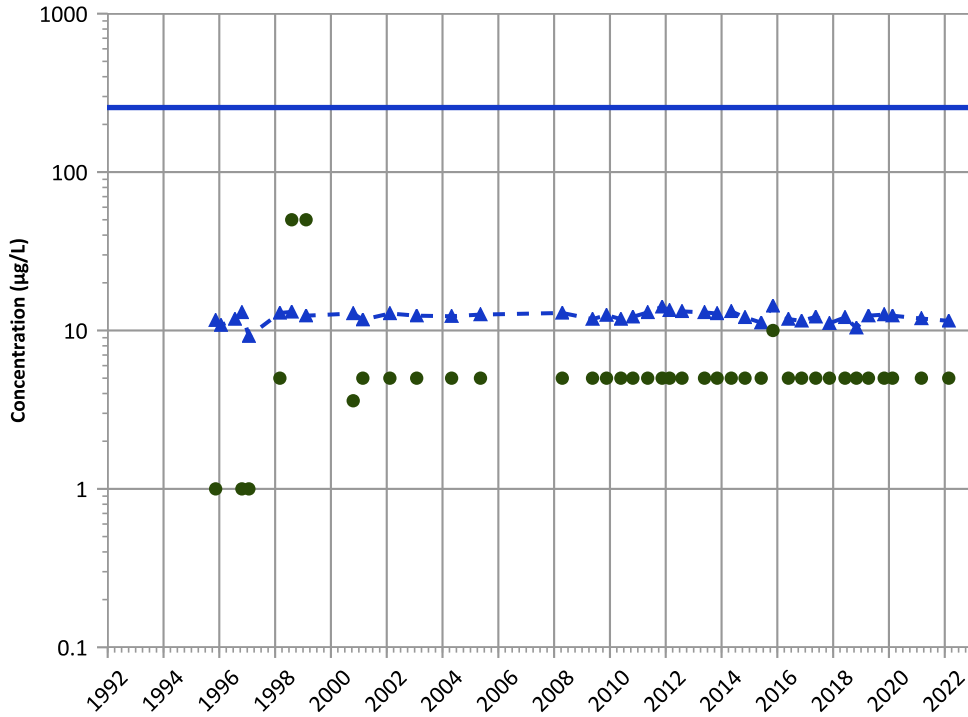
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/29/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1009 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

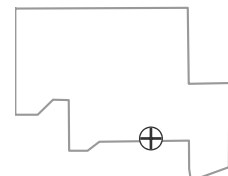
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 Decreasing

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 Decreasing

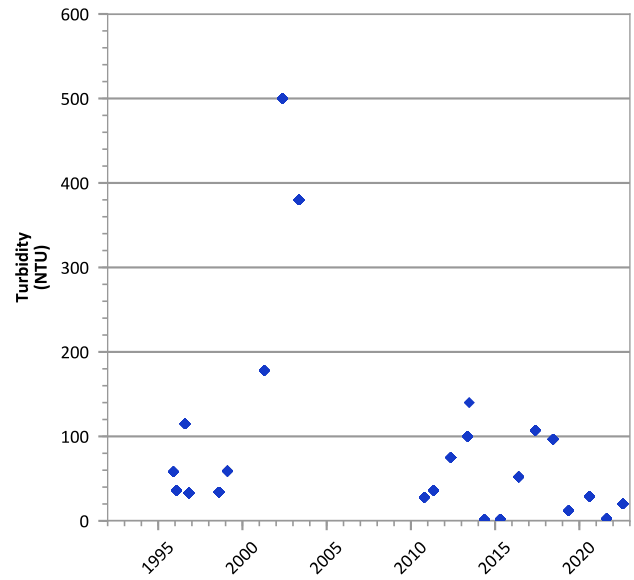
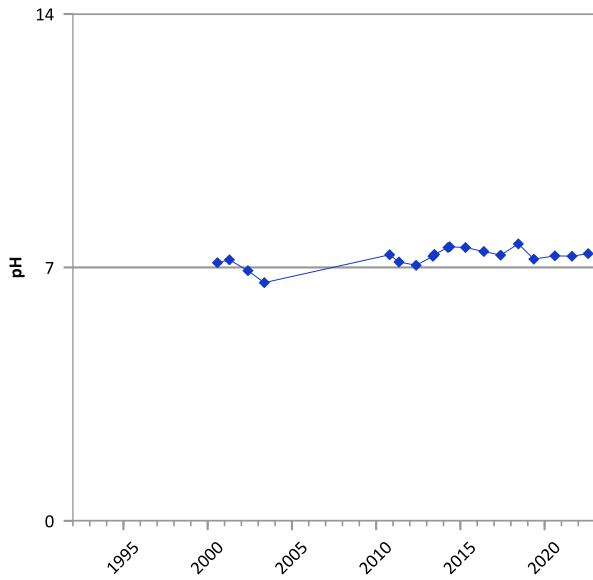
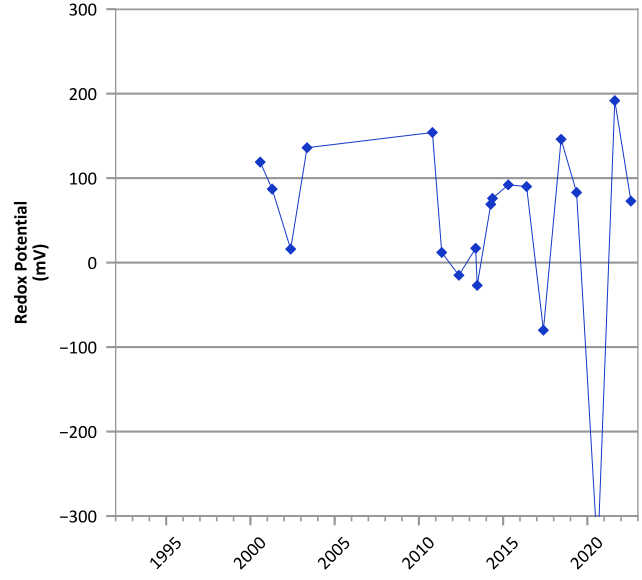
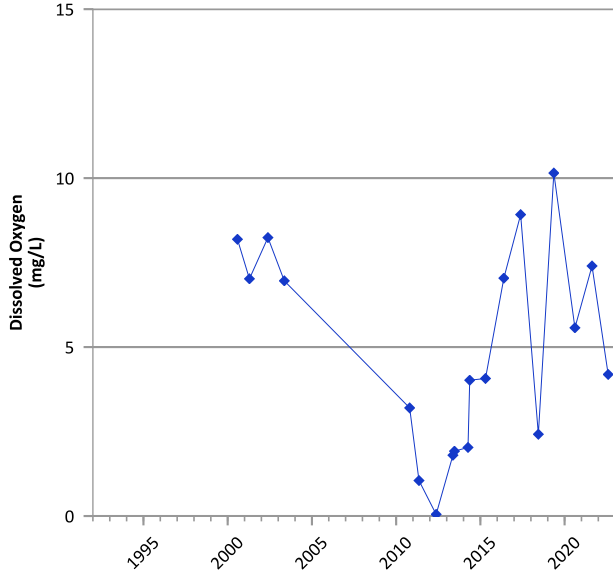
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/14/1995 to 11/29/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

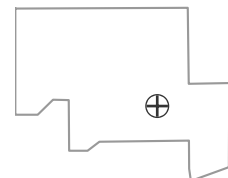


**PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



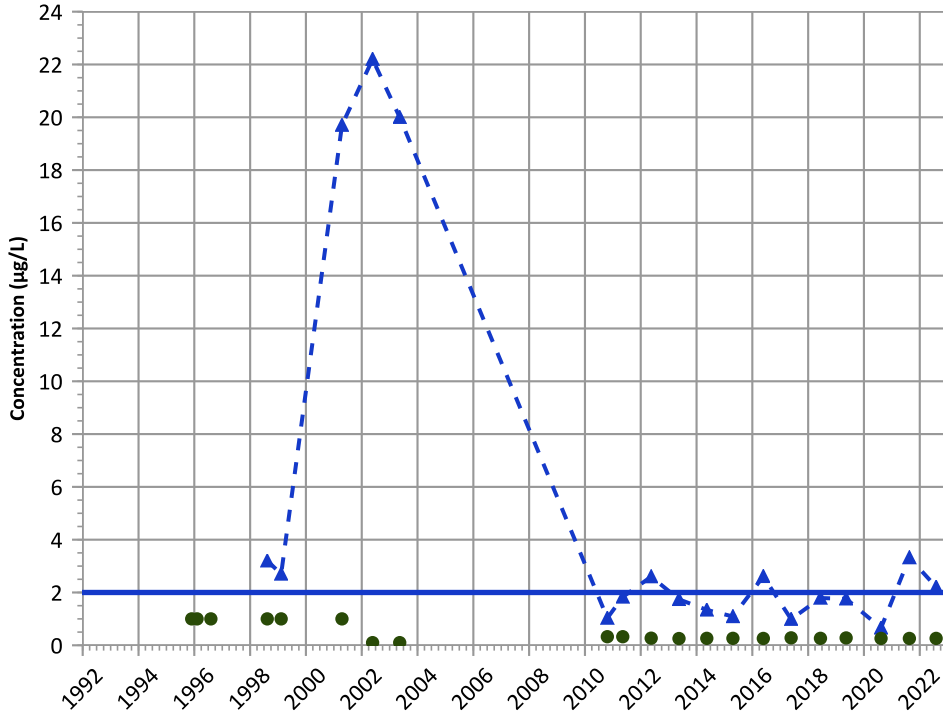
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 07/07/1992 to 08/03/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

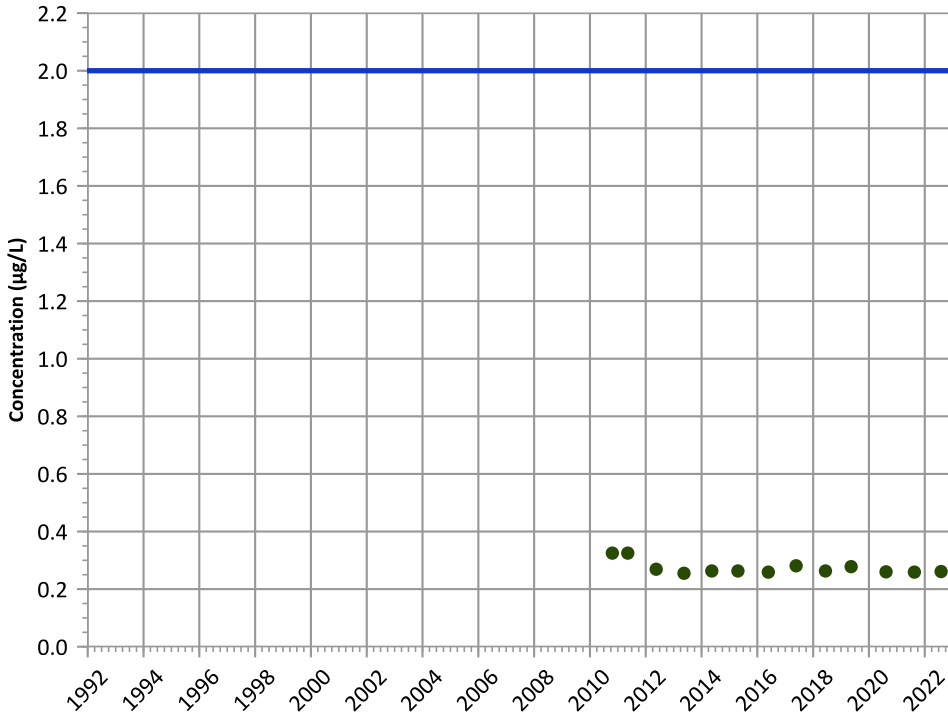
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

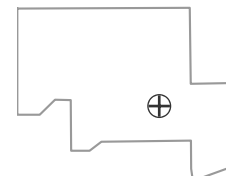
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

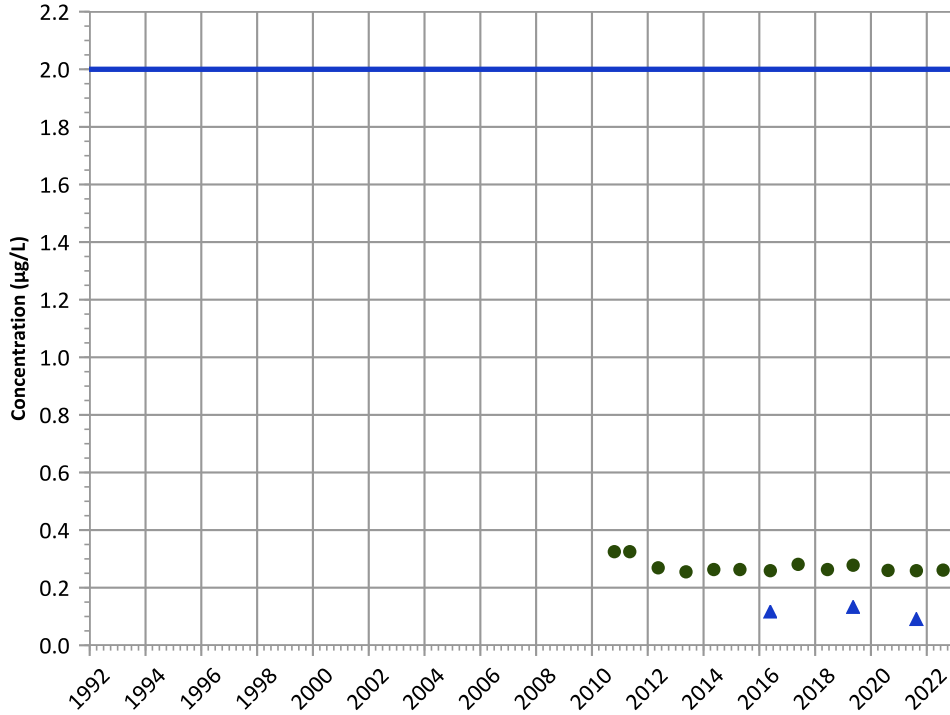
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

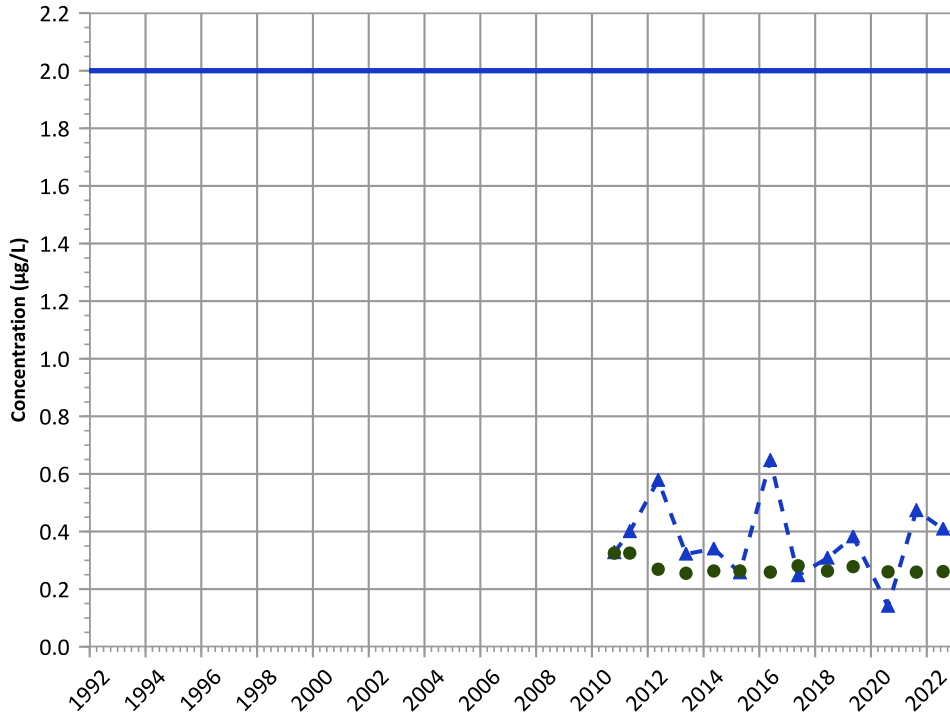


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

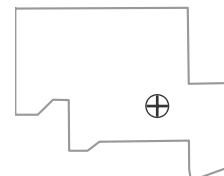
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

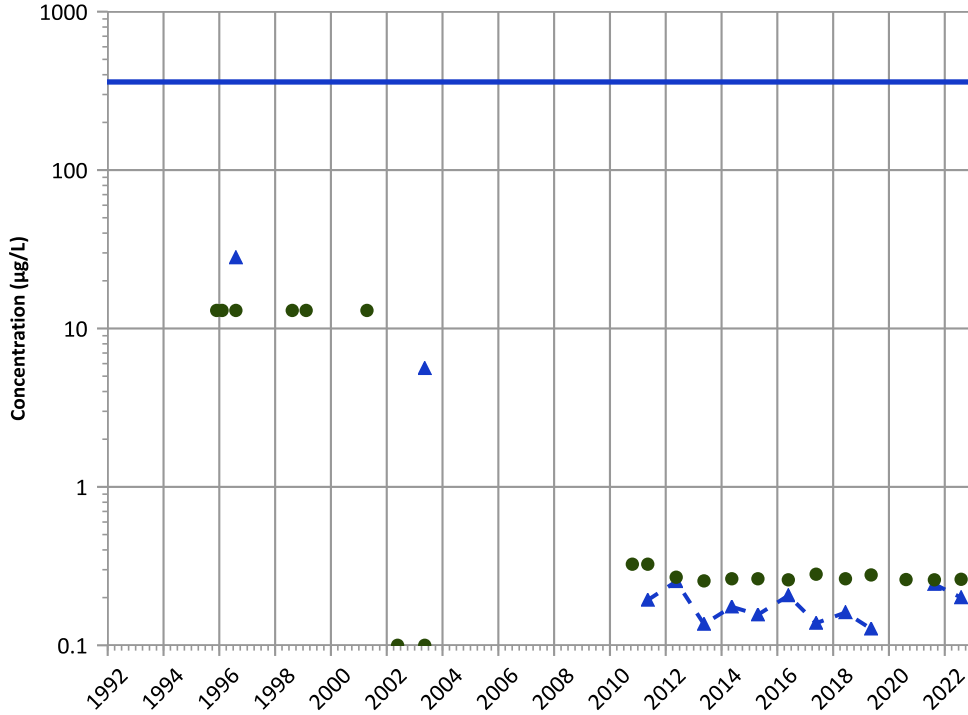
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

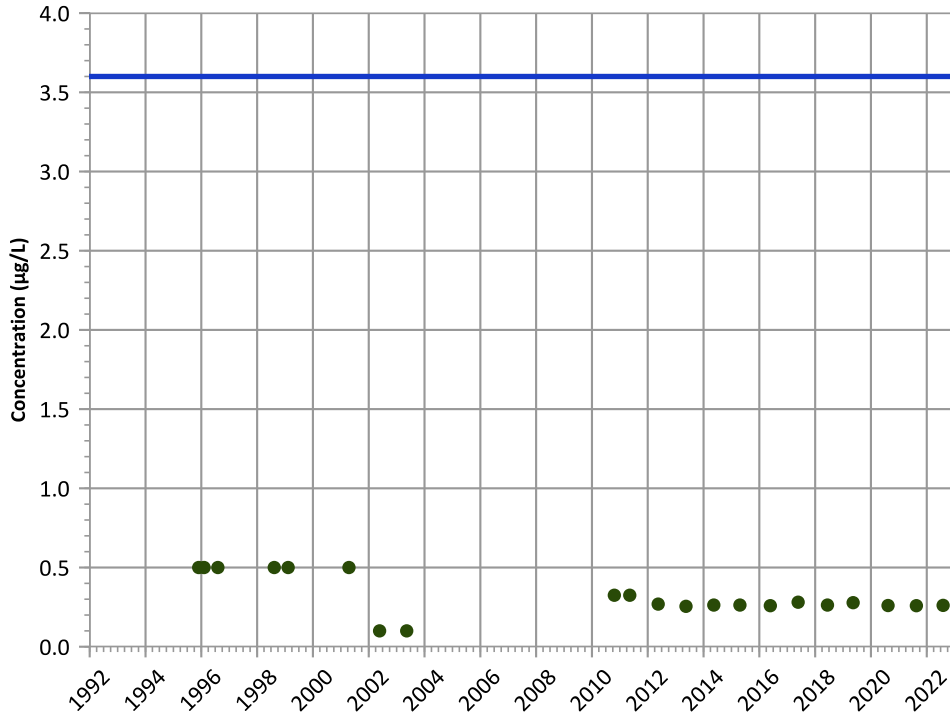


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

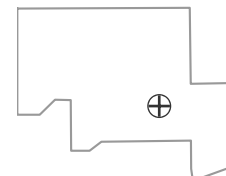
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

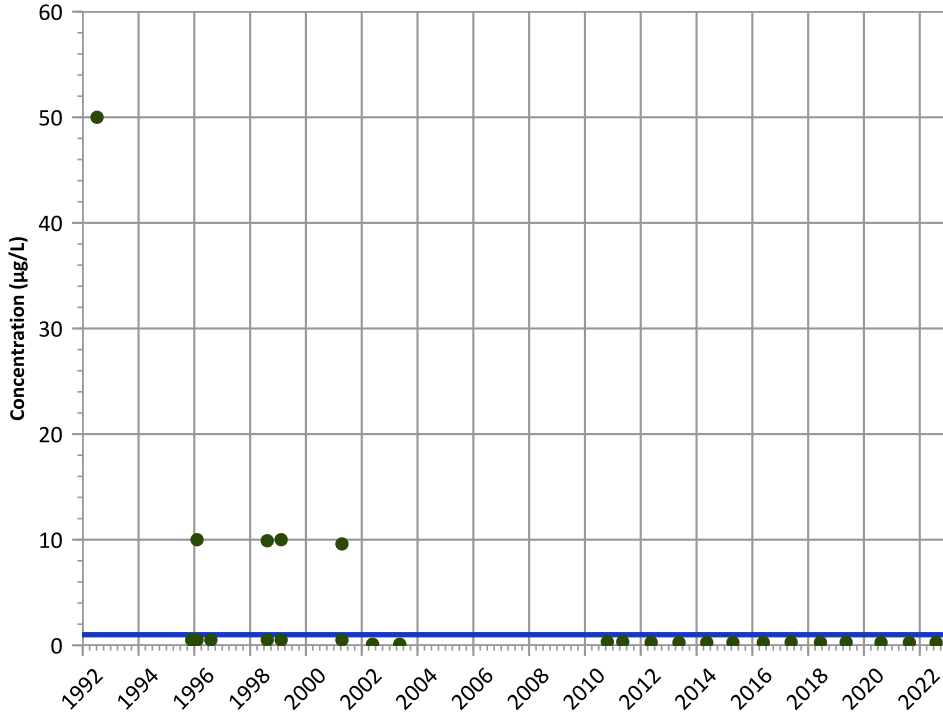
Well Location





PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

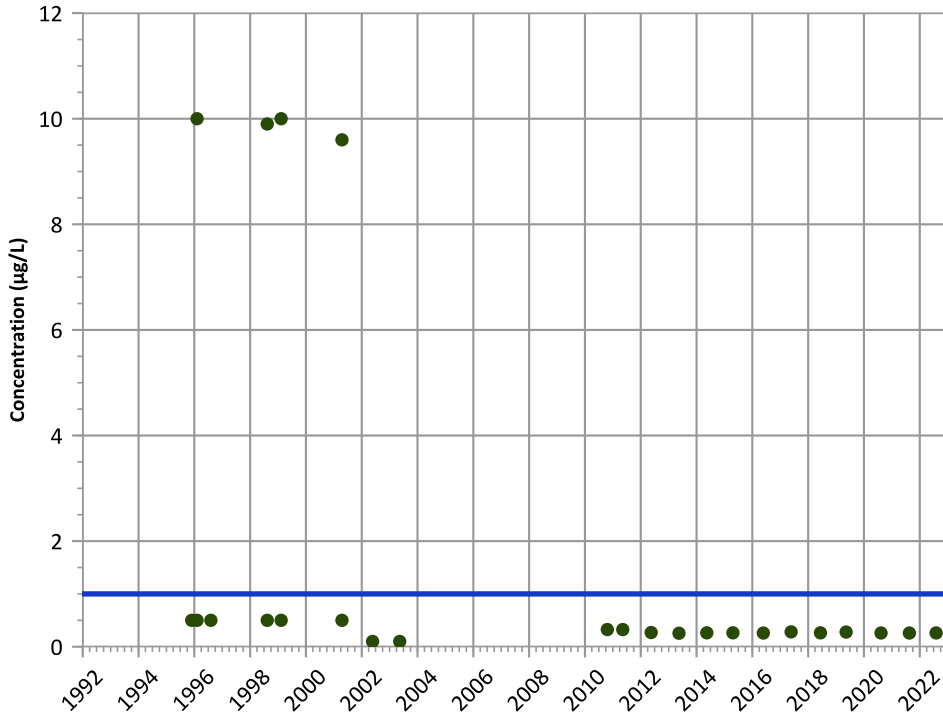
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

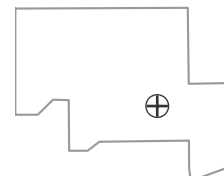
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

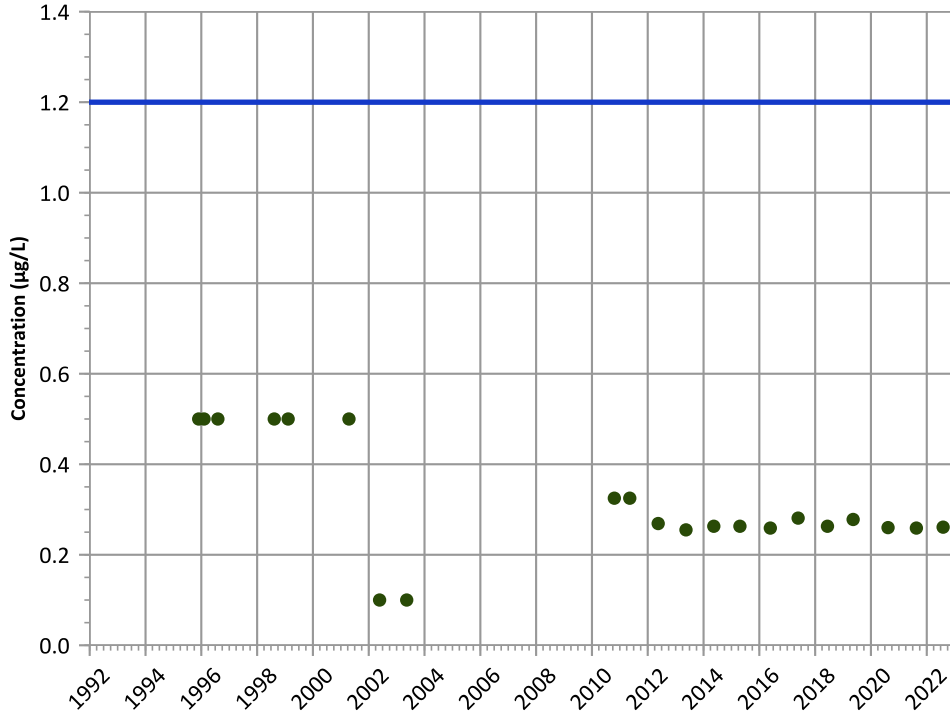
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

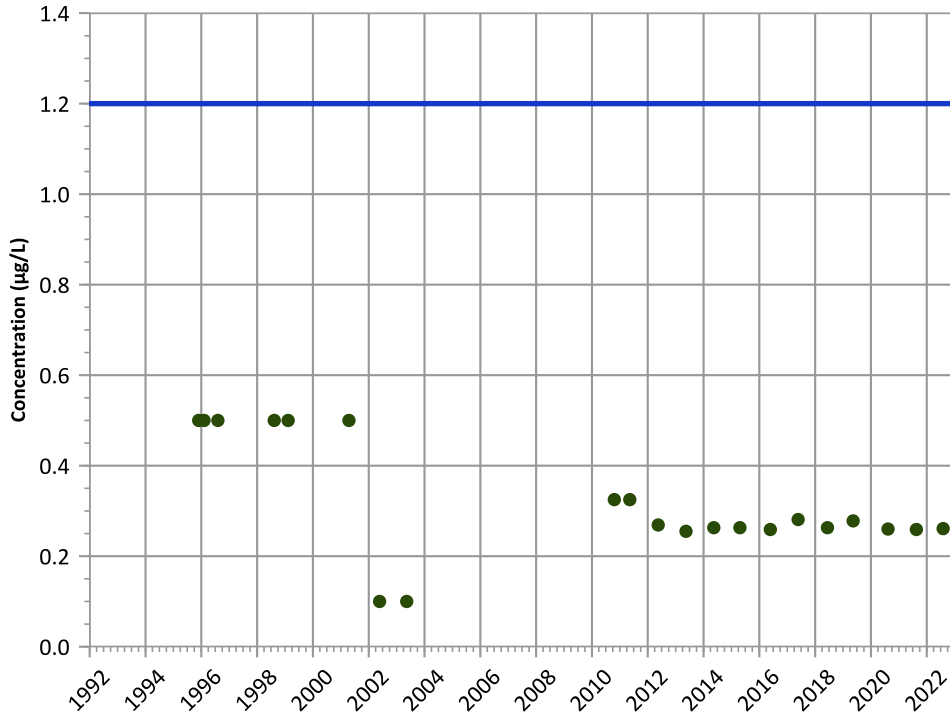
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

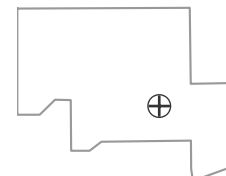
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

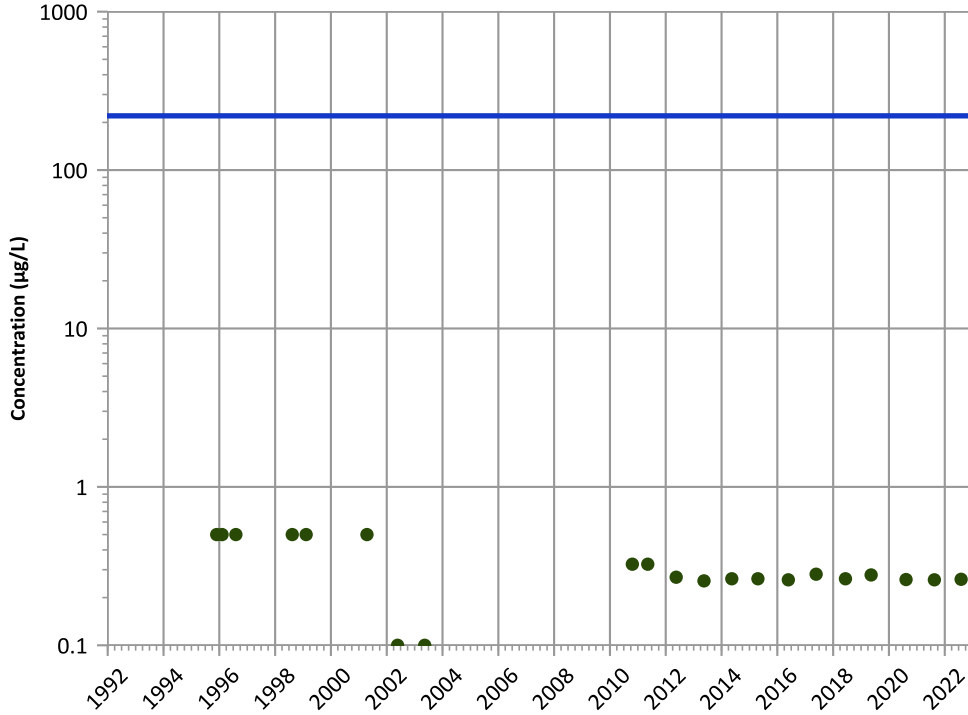
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

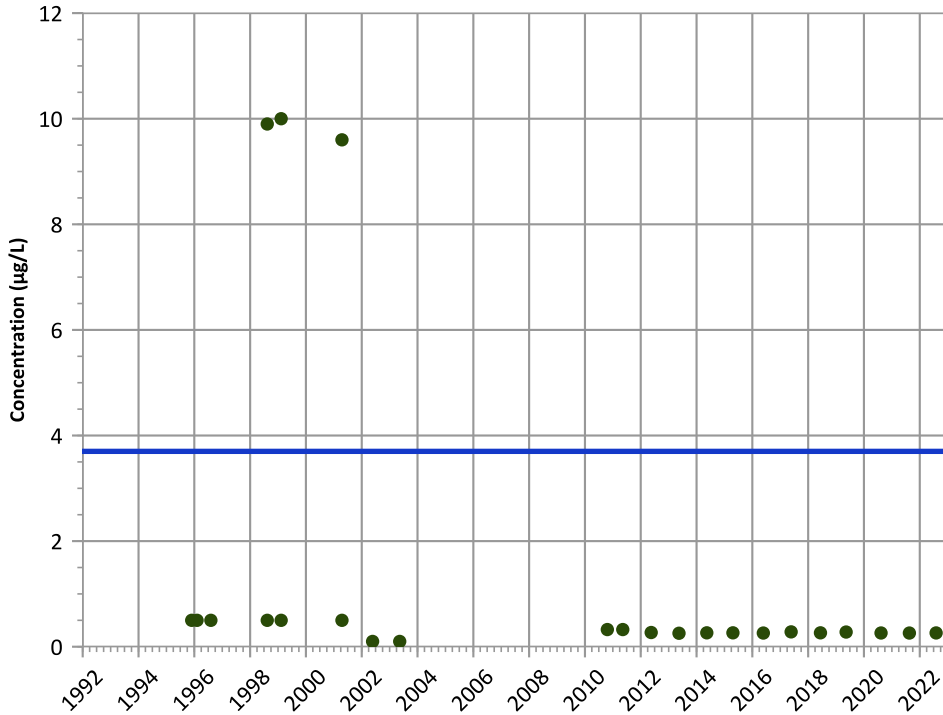
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

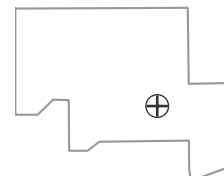
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

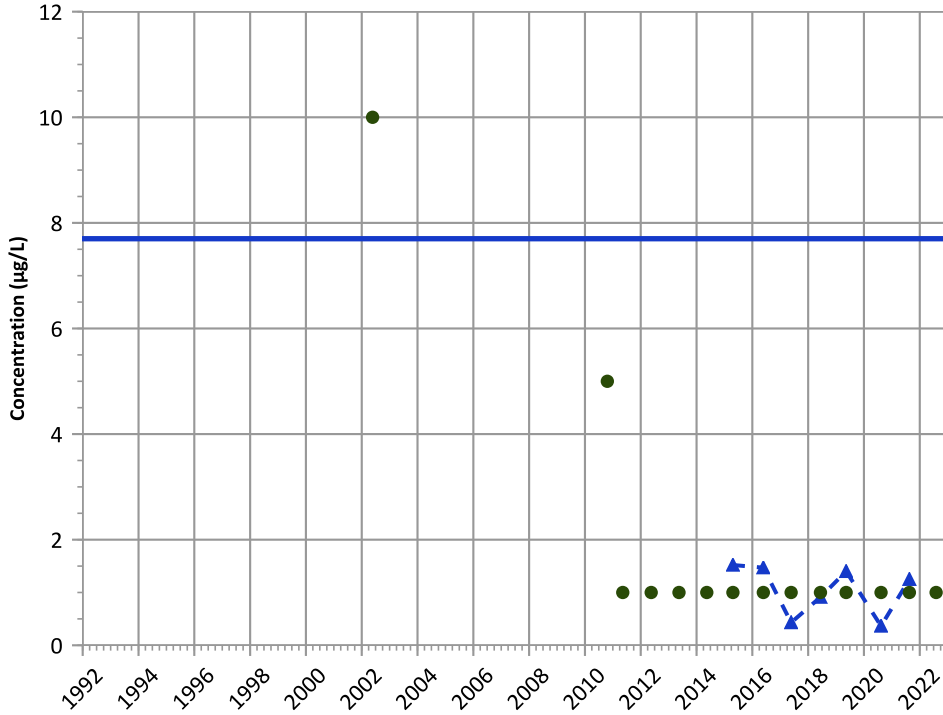
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

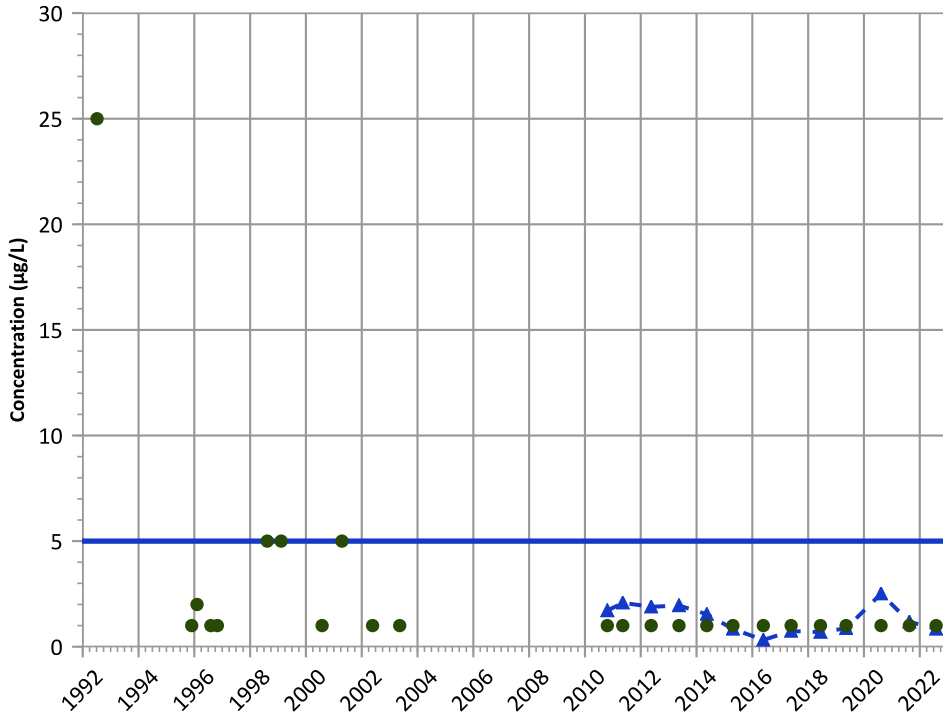


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Tetrachloroethylene (PCE) Trend



Concentration Trend

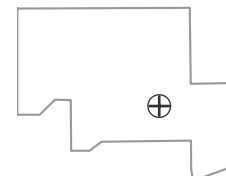
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

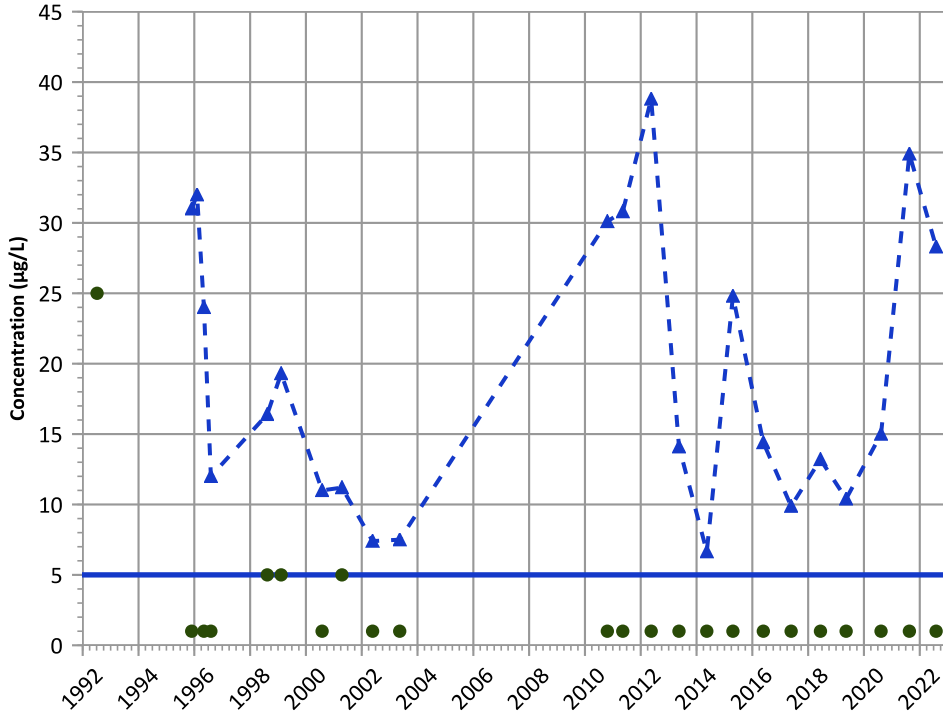
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

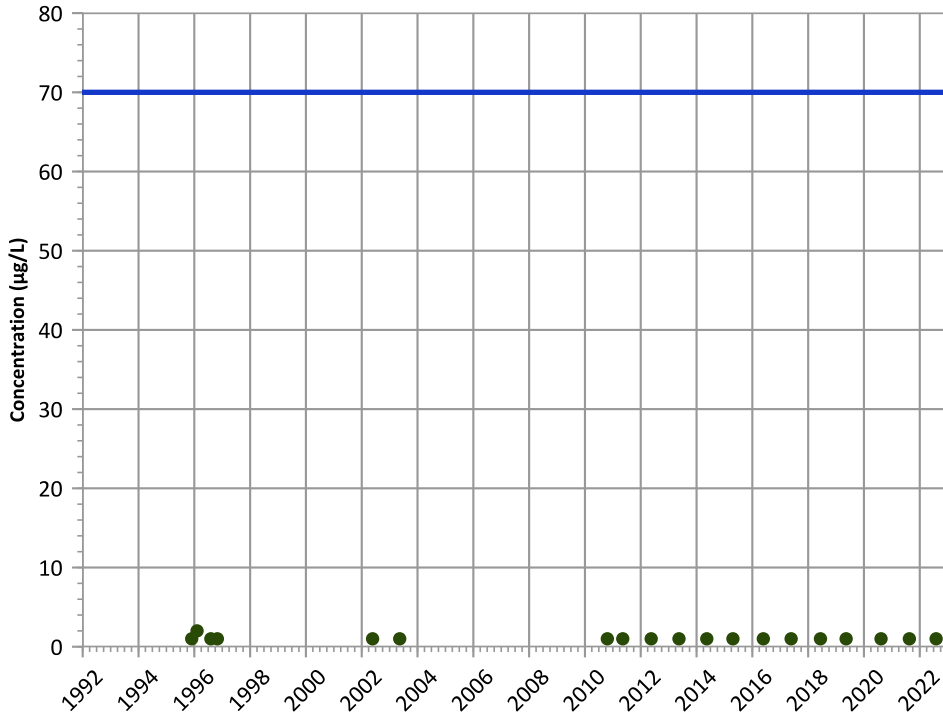
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Probably Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

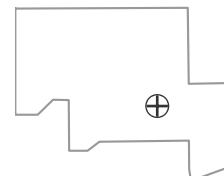
2020 - 2022 Data:

All Non-Detect

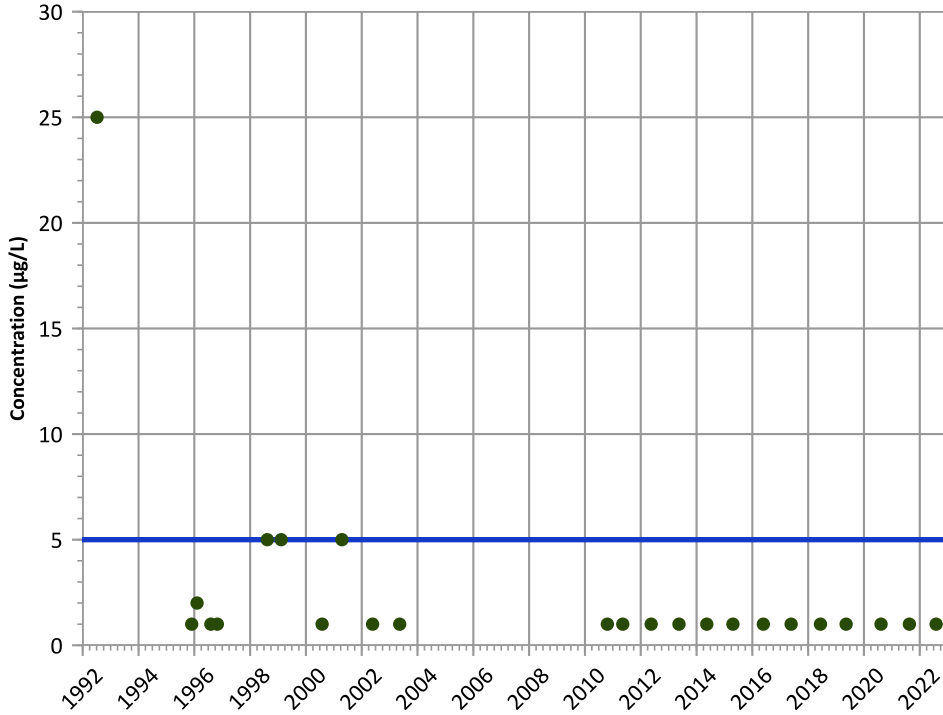
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

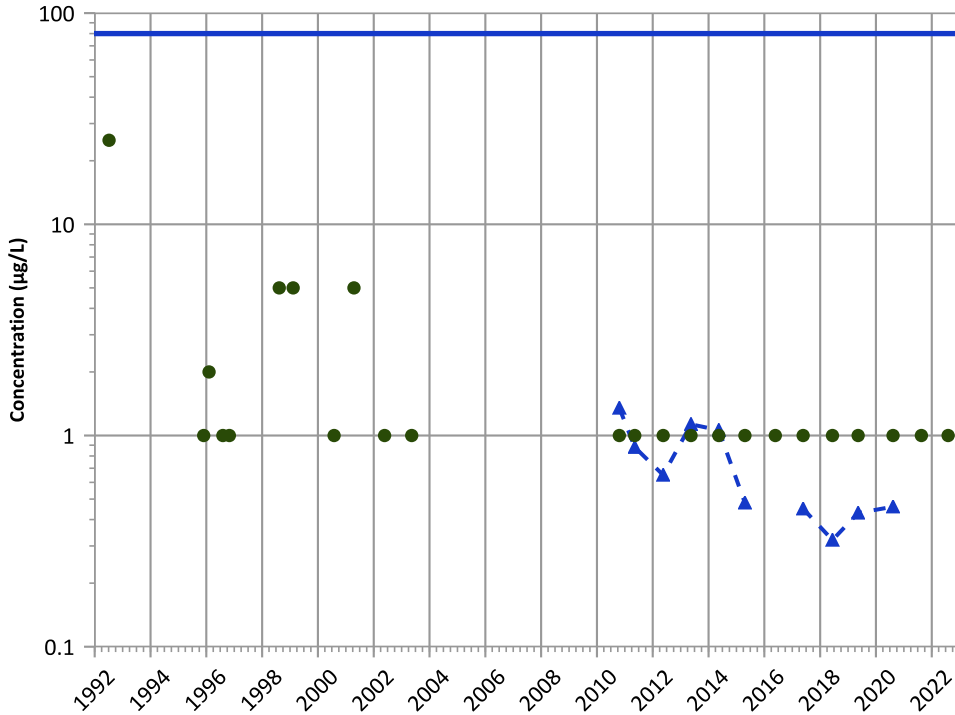
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

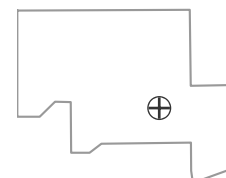
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

**Well Location**

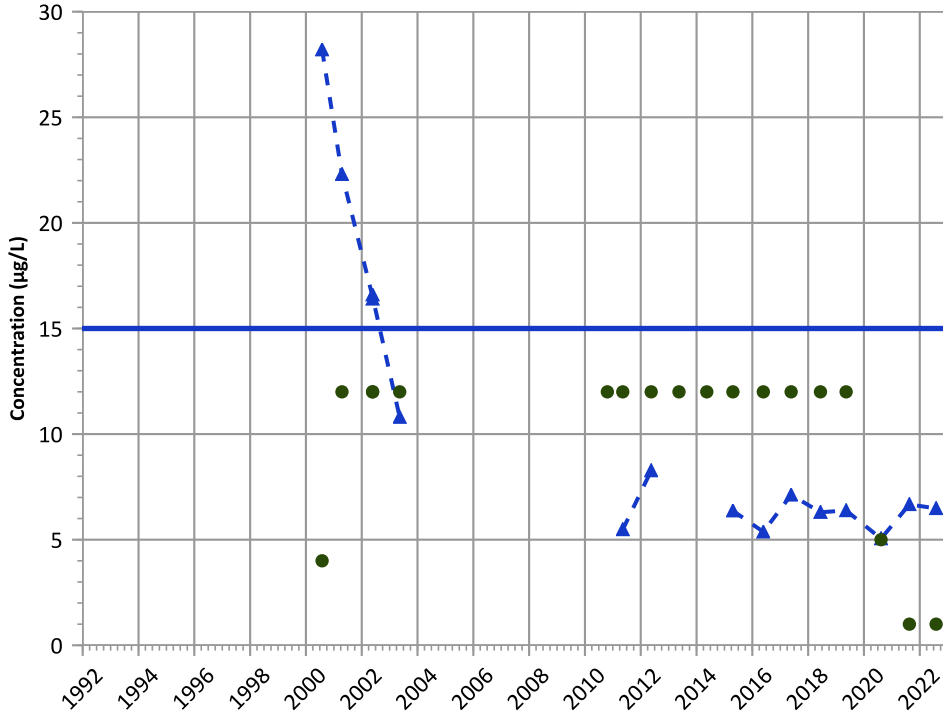


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

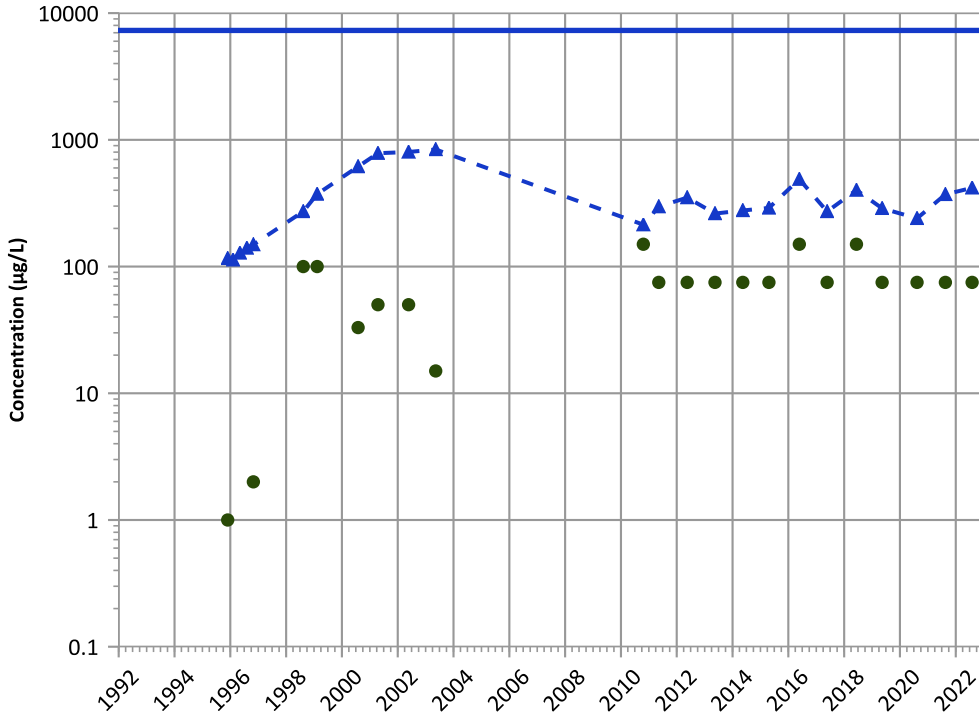


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

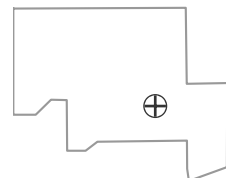
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

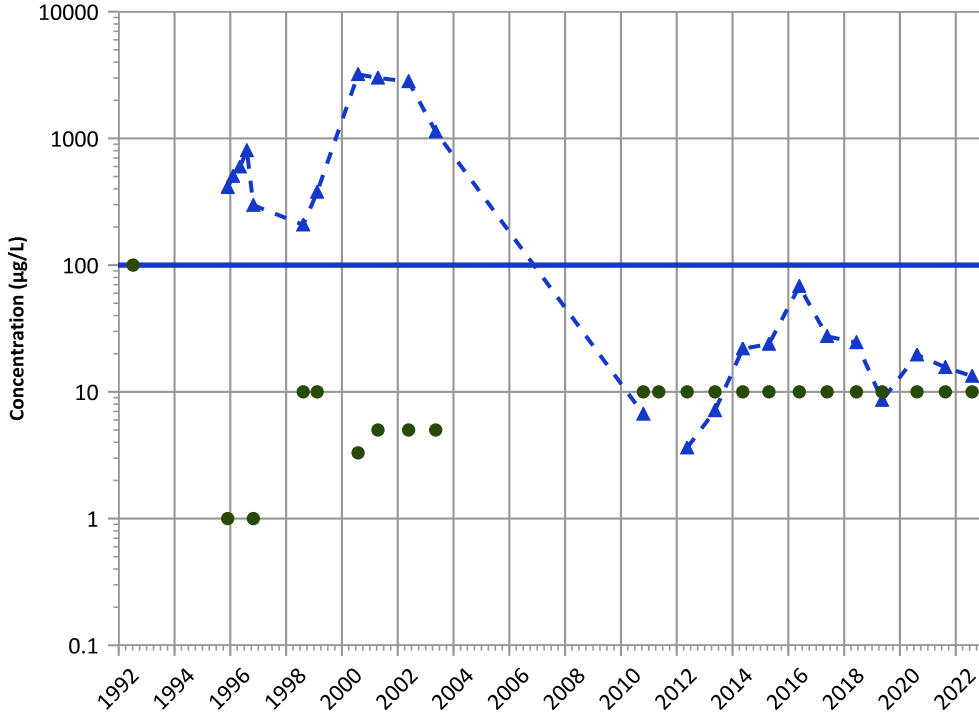
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

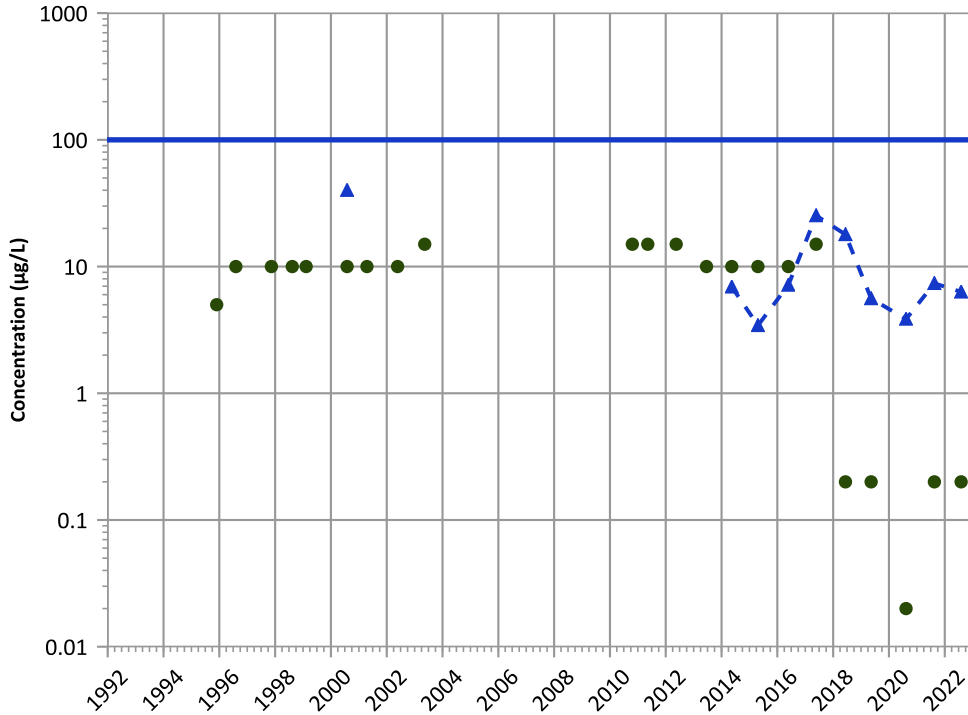
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

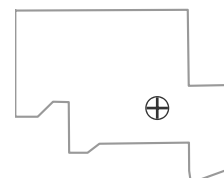
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

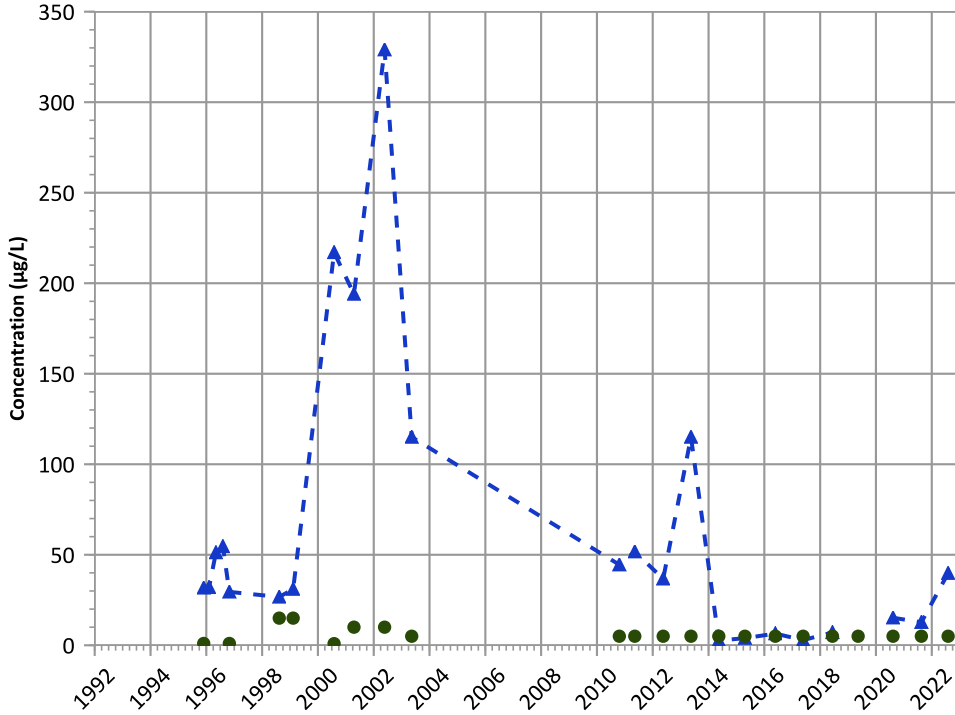
Well Location





PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

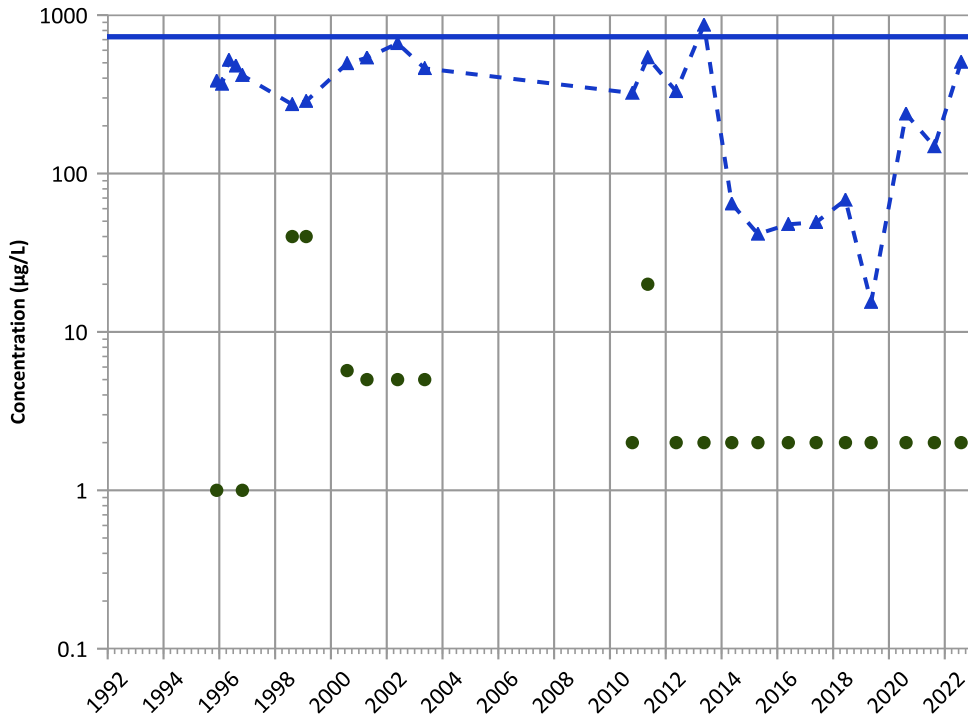


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Nickel Trend



Concentration Trend

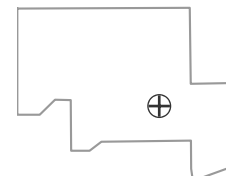
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

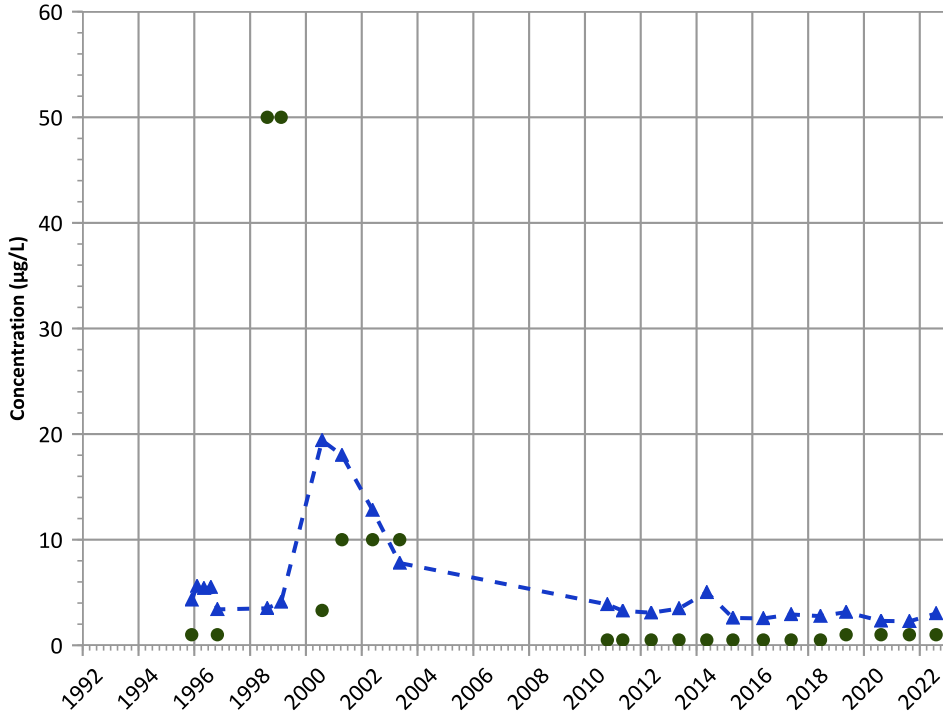
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

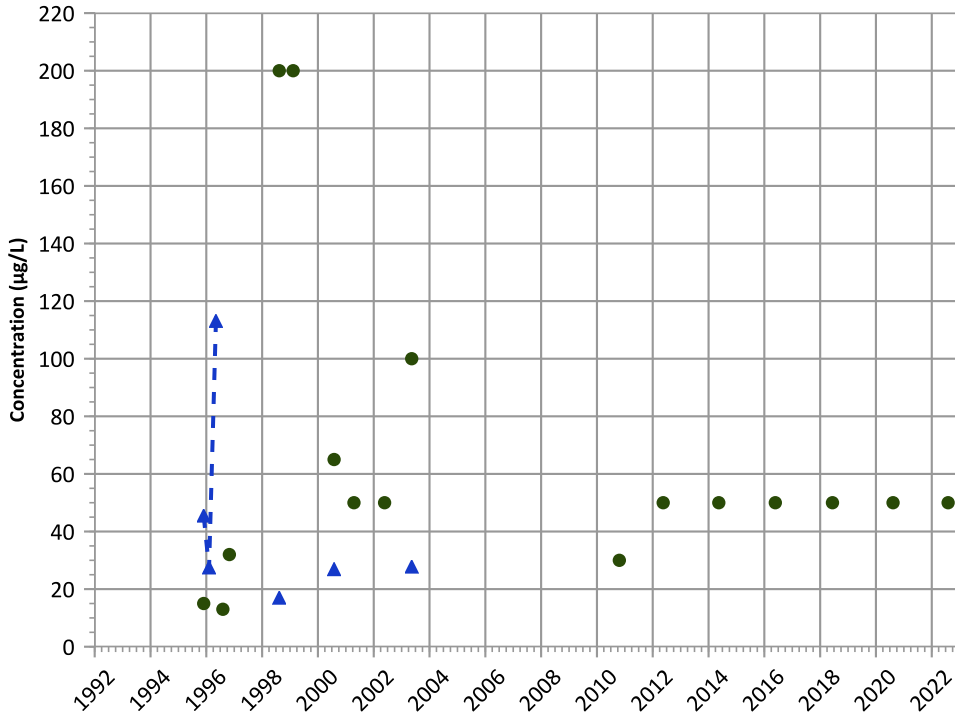


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Aluminum Trend



Concentration Trend

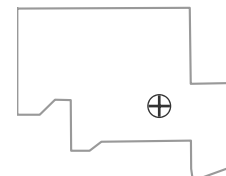
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

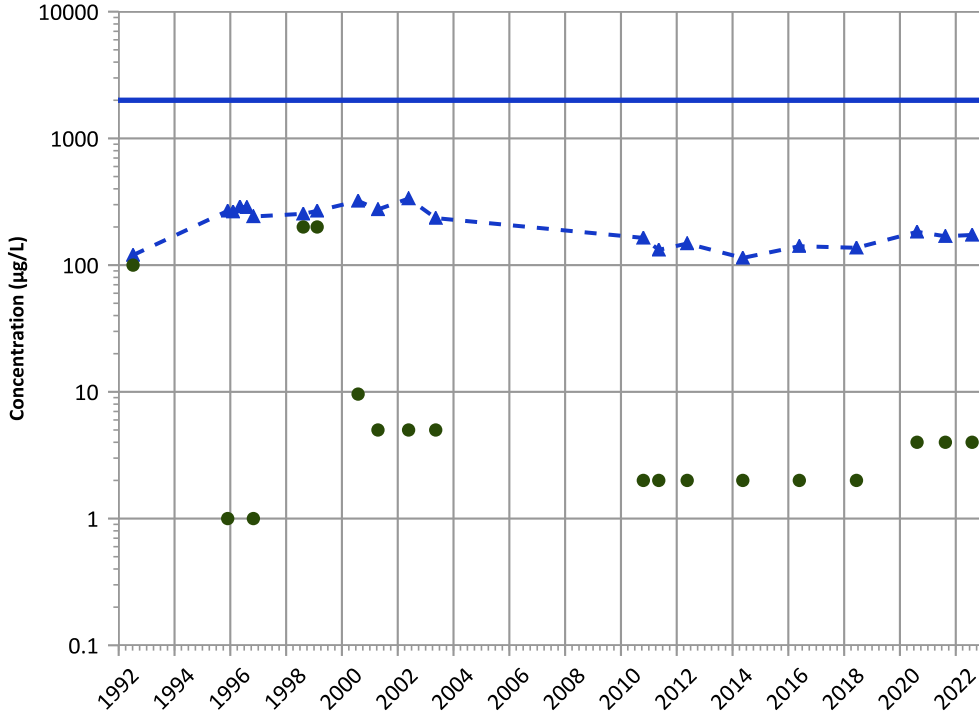
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

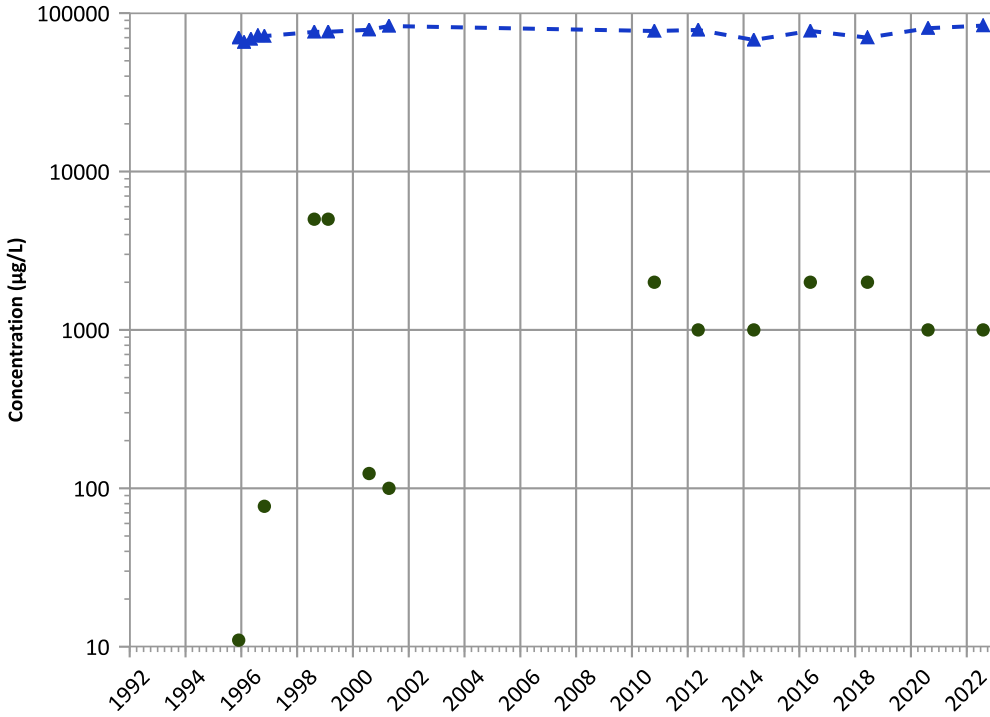


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

Calcium Trend



Concentration Trend

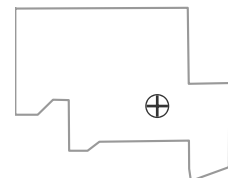
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

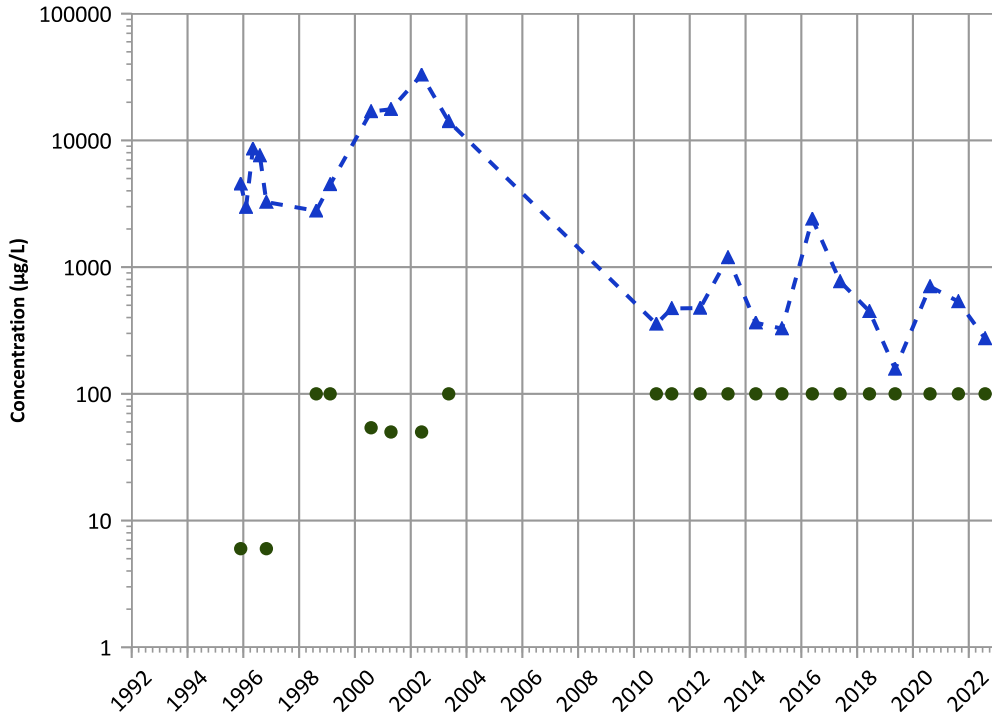
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

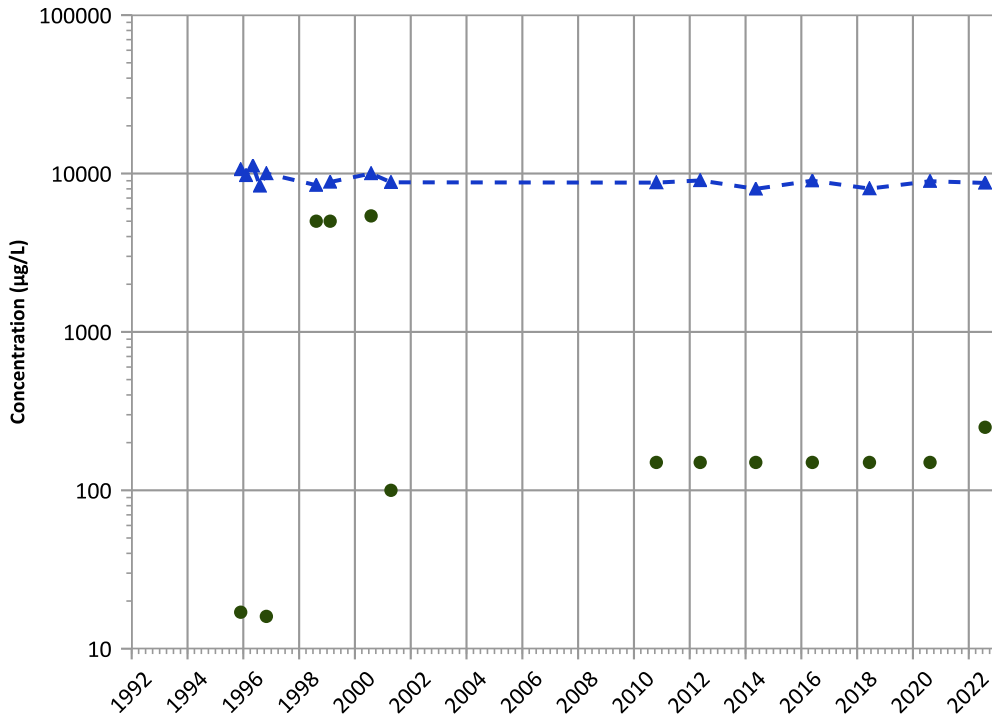
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

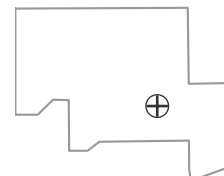
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

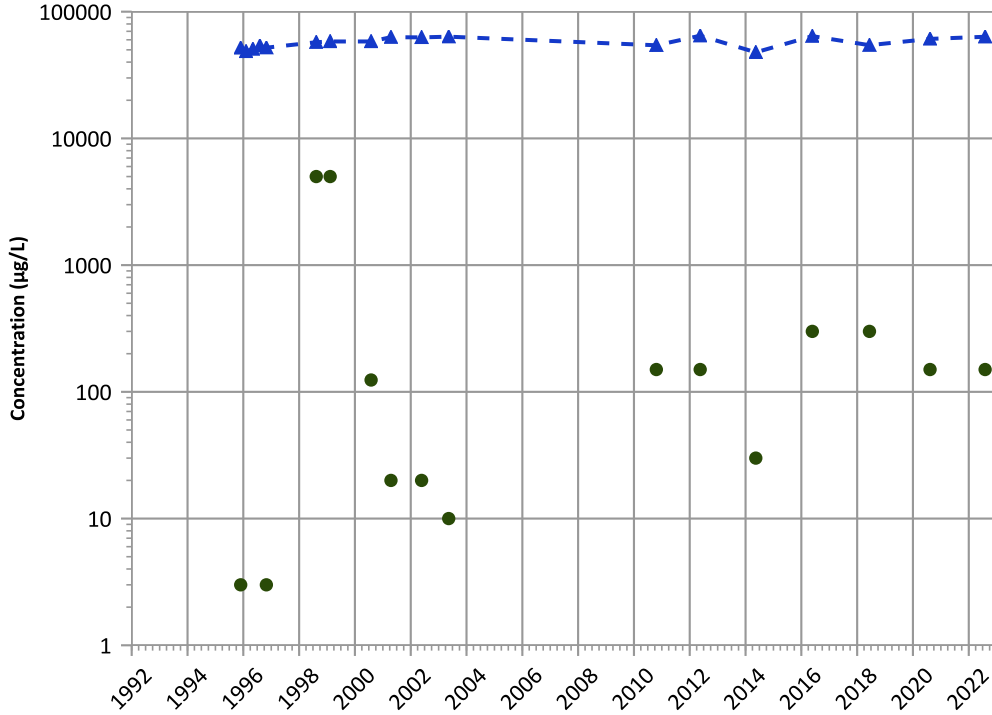
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend

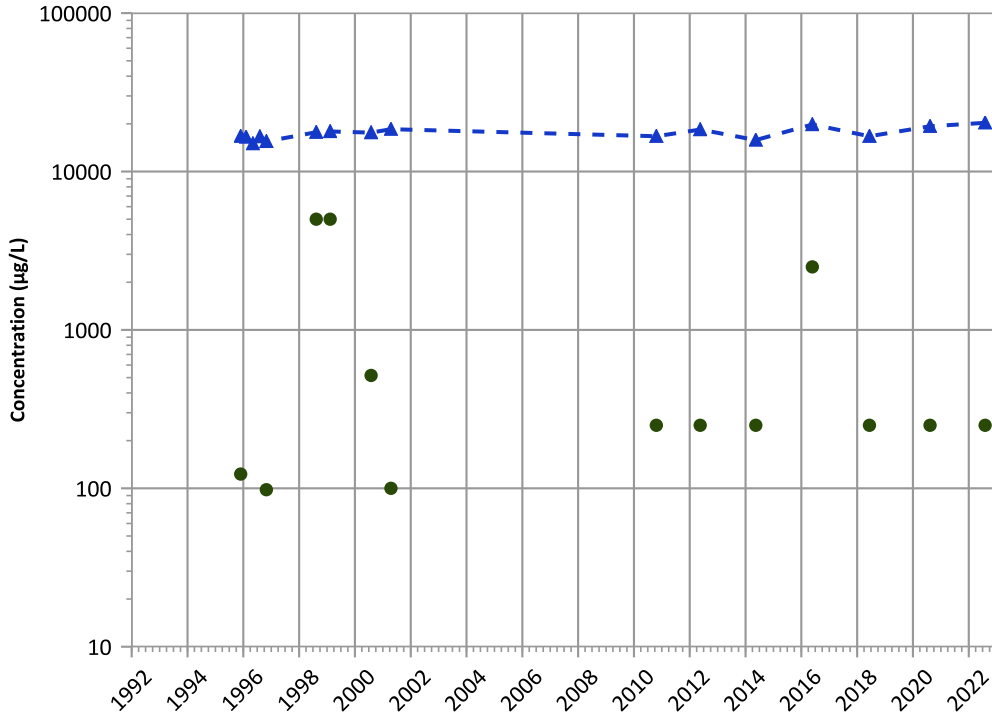


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Sodium Trend



Concentration Trend

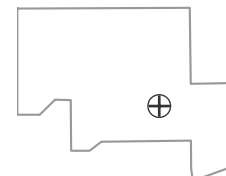
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

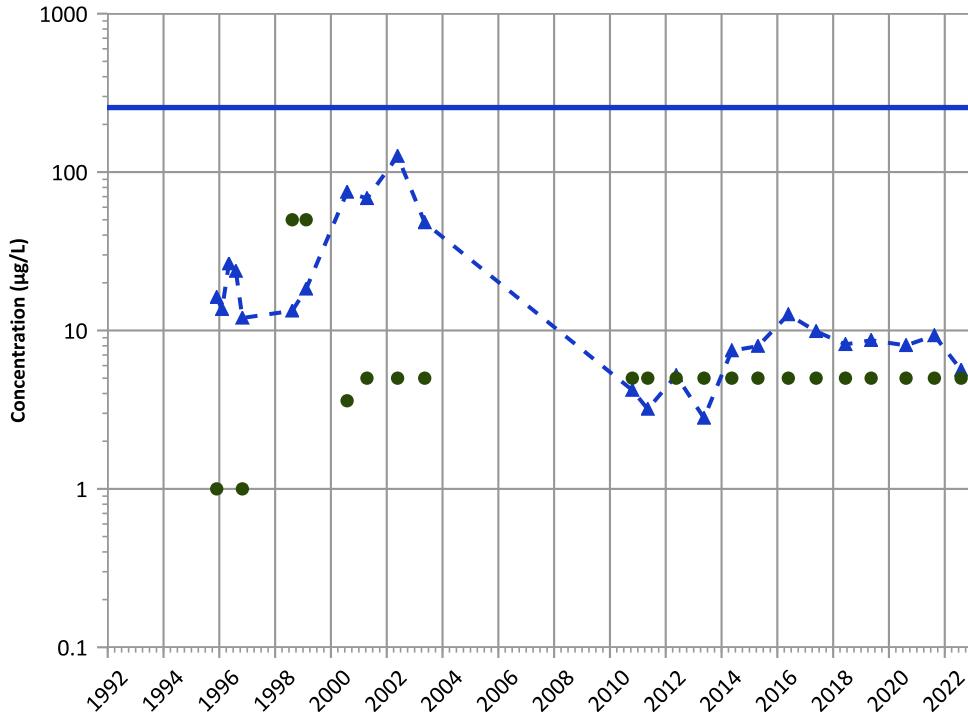
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX10-1014 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

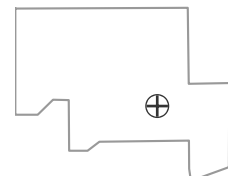
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 07/07/1992 to 08/03/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



**ISB Treatment Zone Well and  
Performance Monitoring Well  
Analyte Concentration Trends**





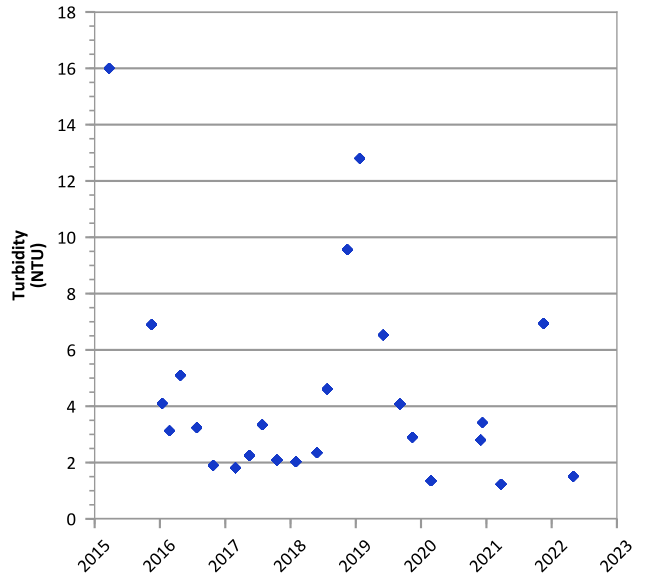
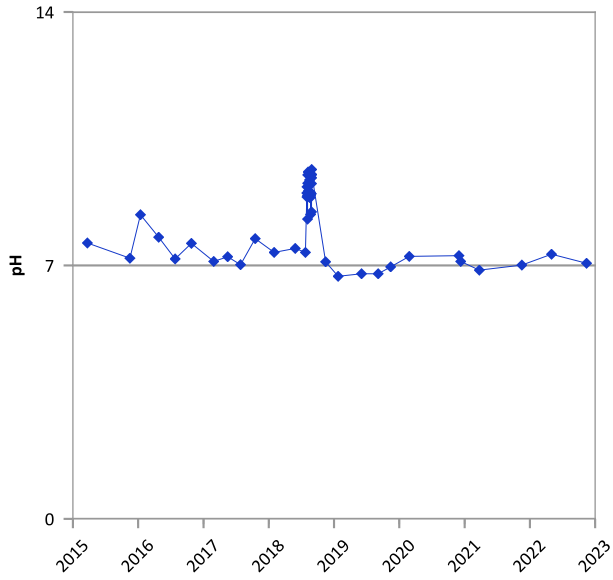
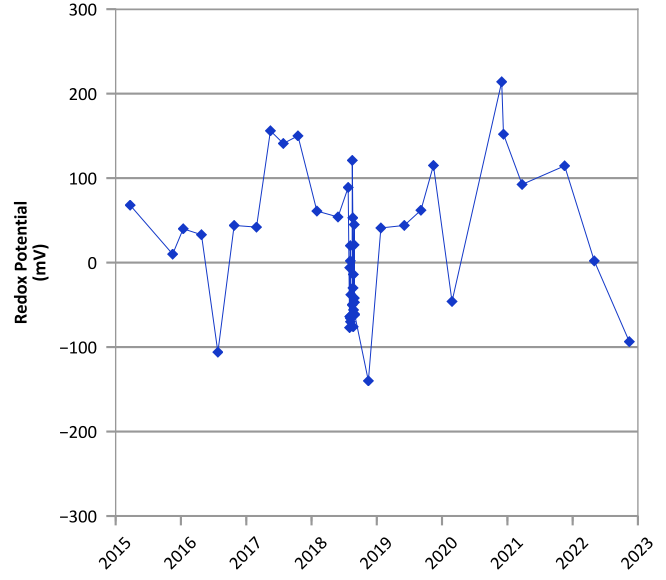
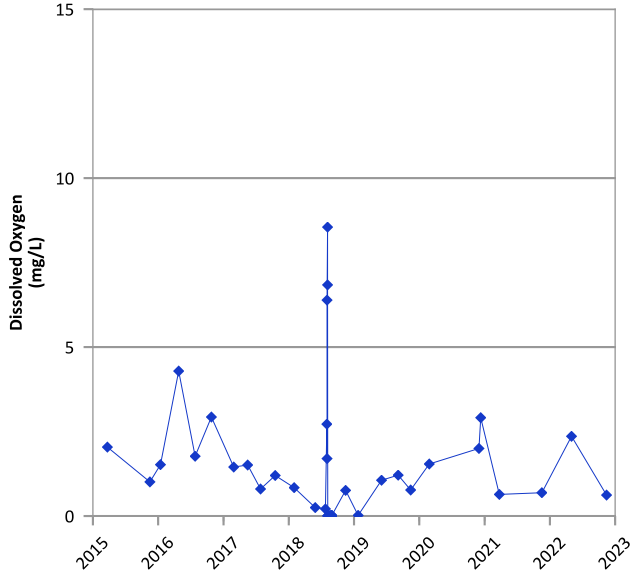






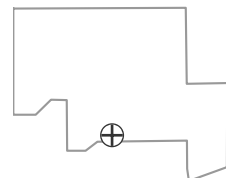


**PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



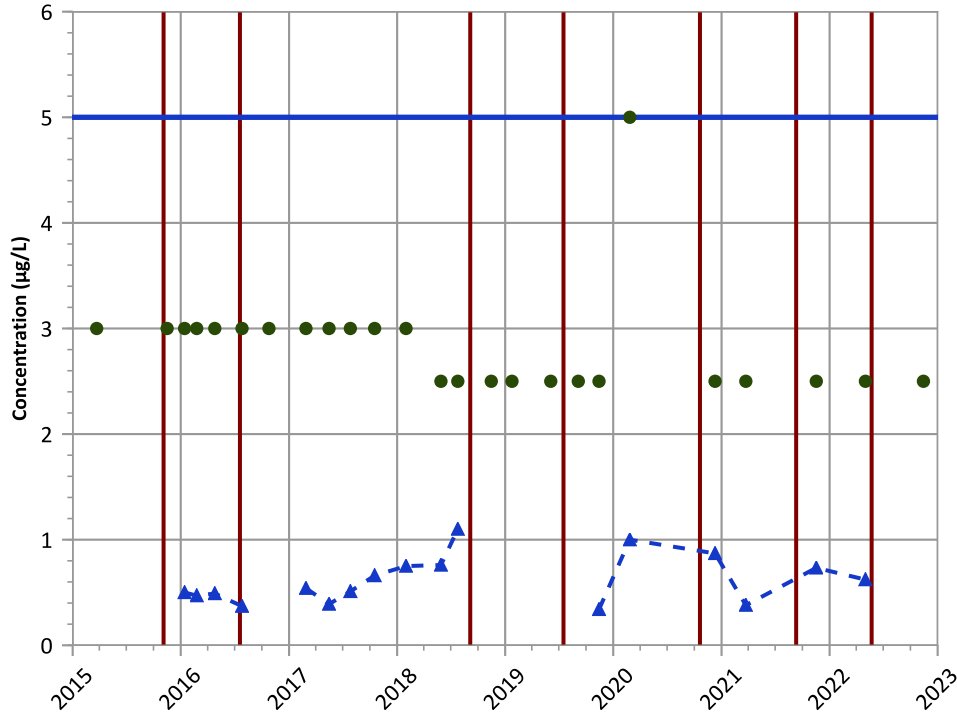
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/23/2015 to 11/14/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend

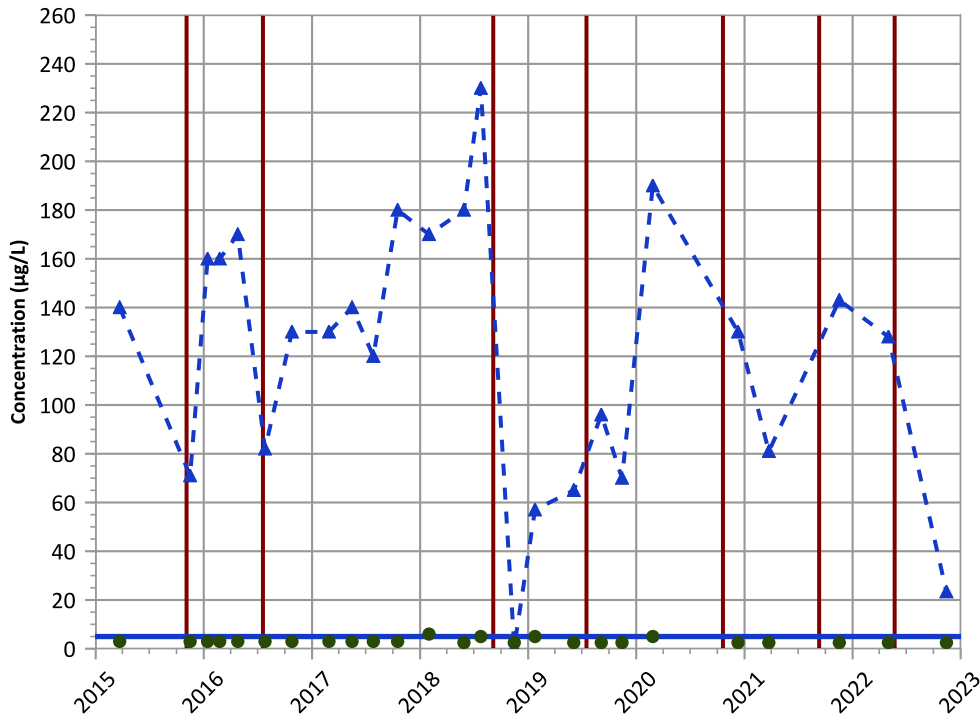


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Trichloroethene Trend



Concentration Trend

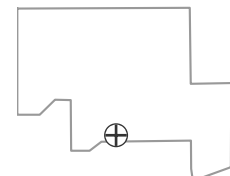
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

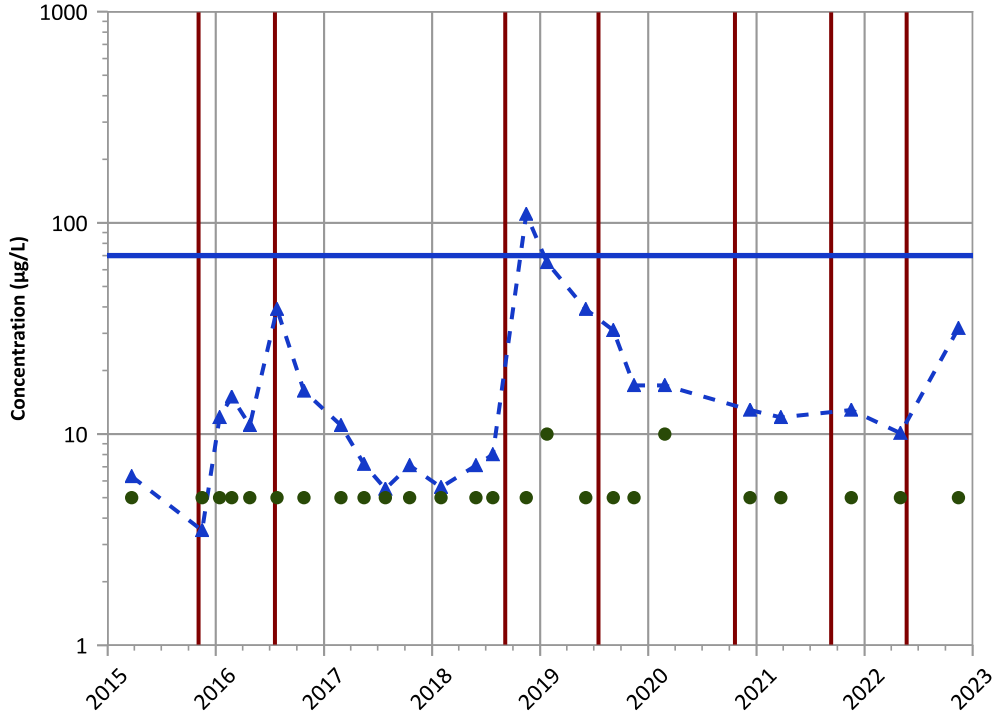
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

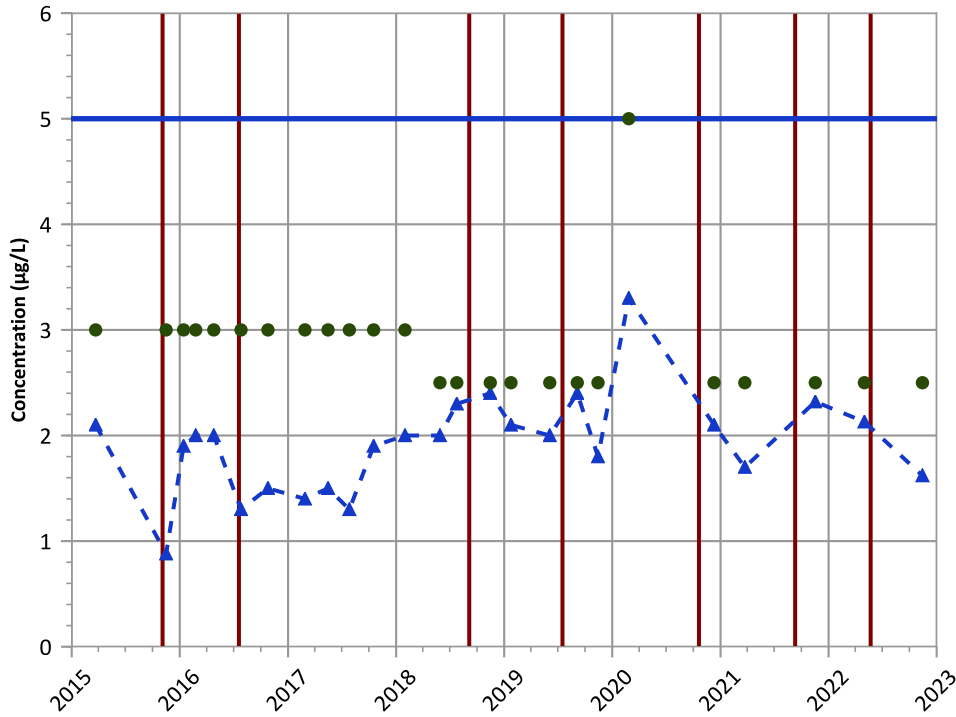
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

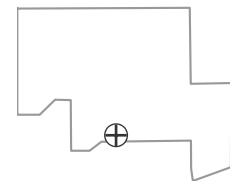
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

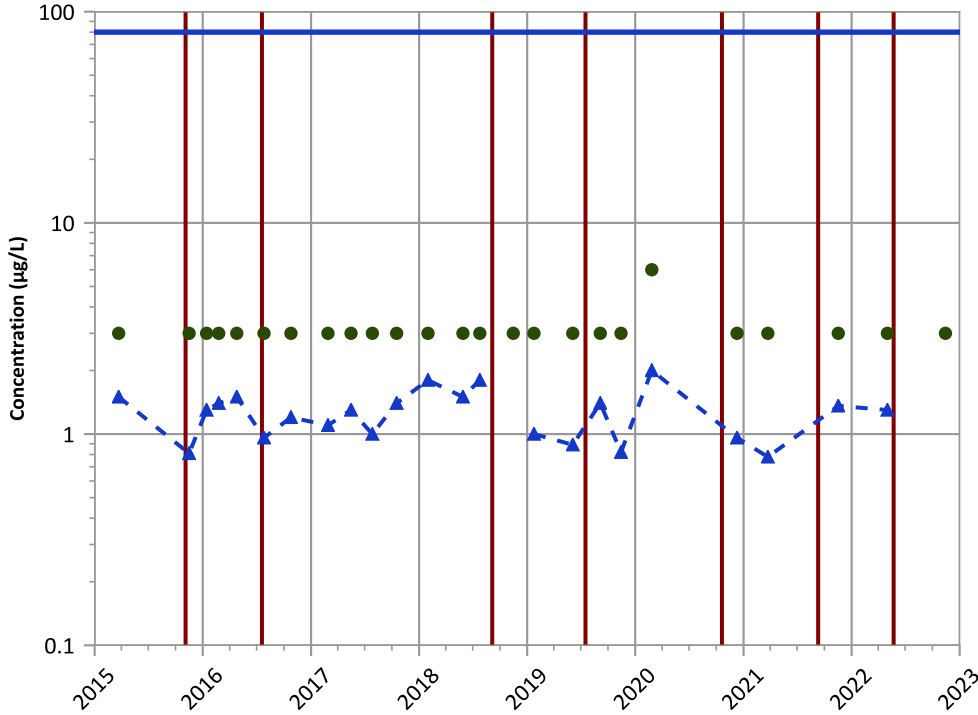


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

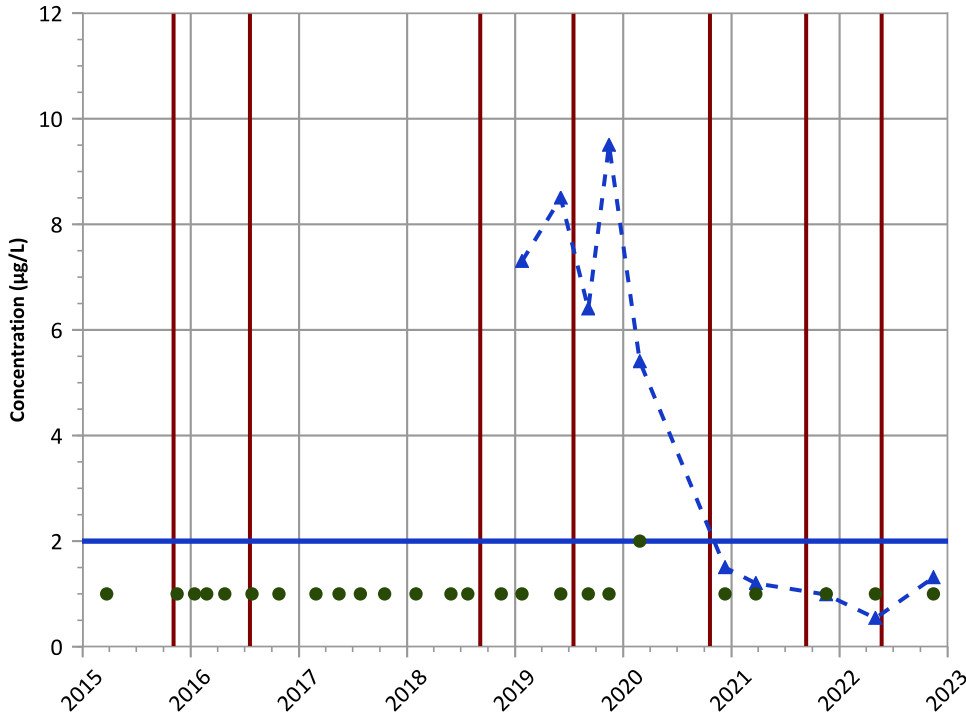


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Vinyl Chloride Trend

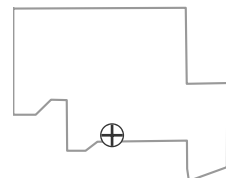


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location



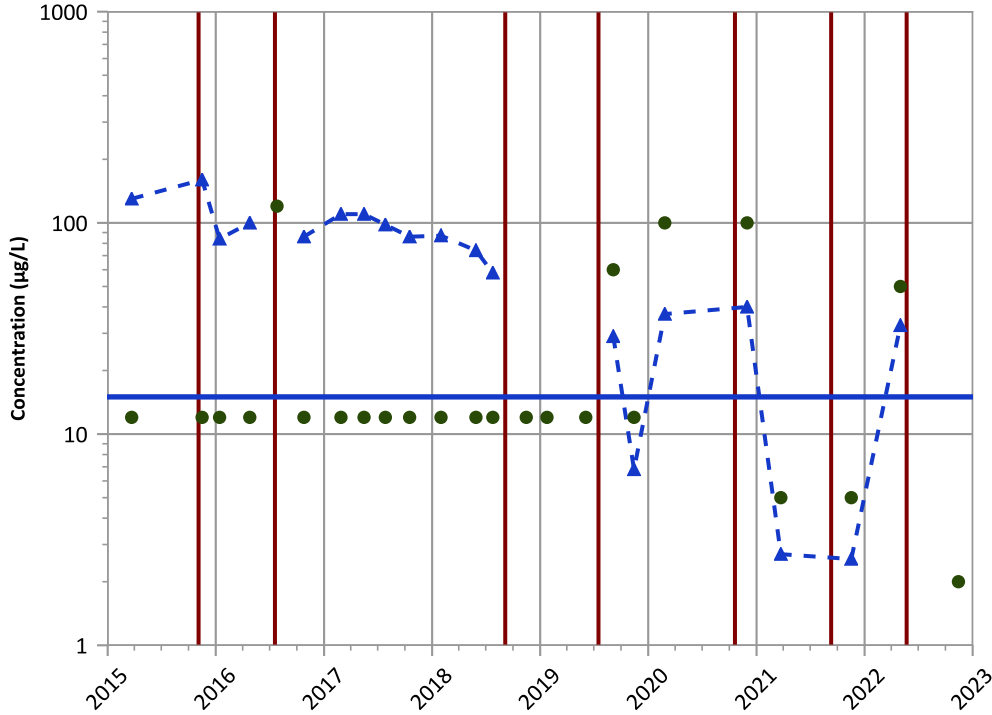
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

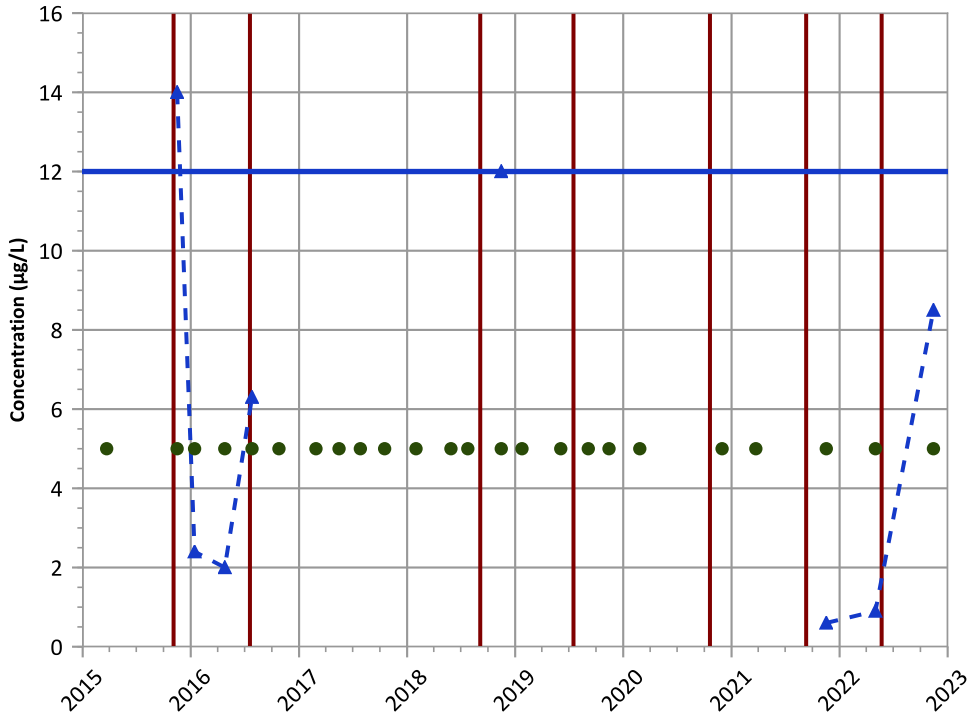


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Arsenic Trend

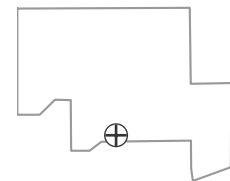


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Well Location

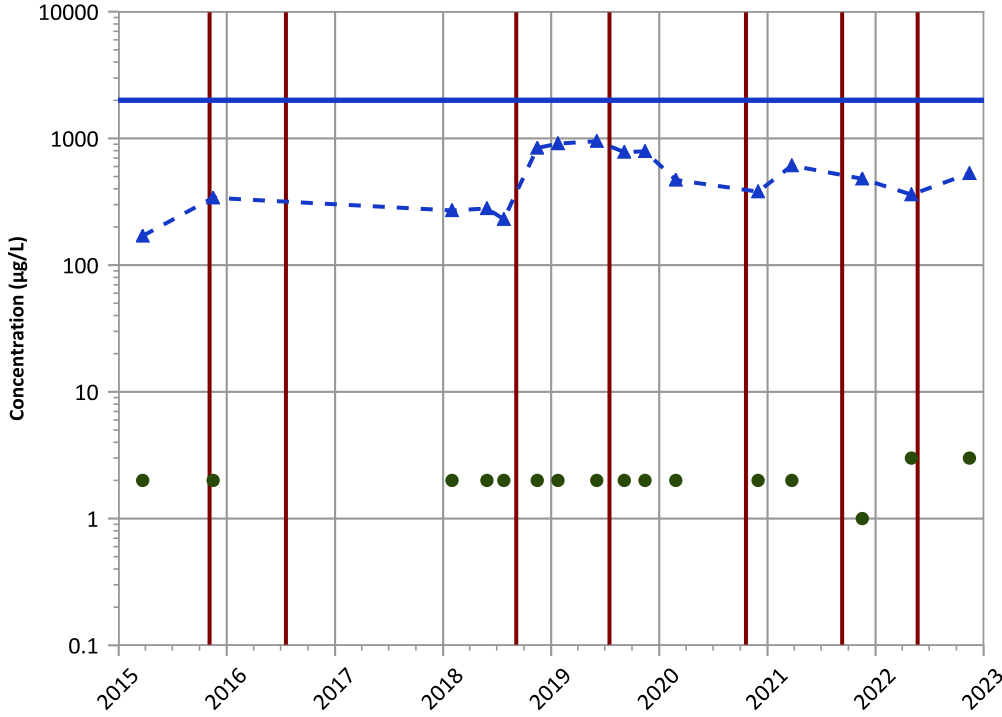


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

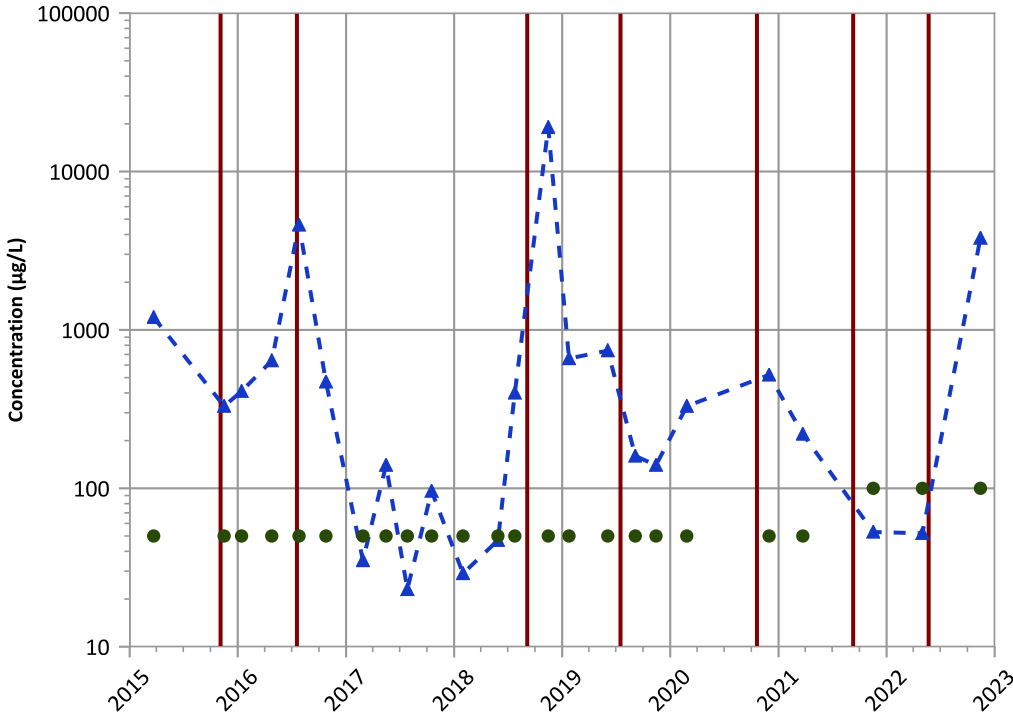


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

Iron Trend

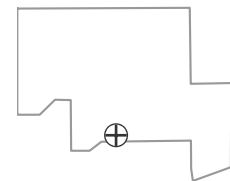


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

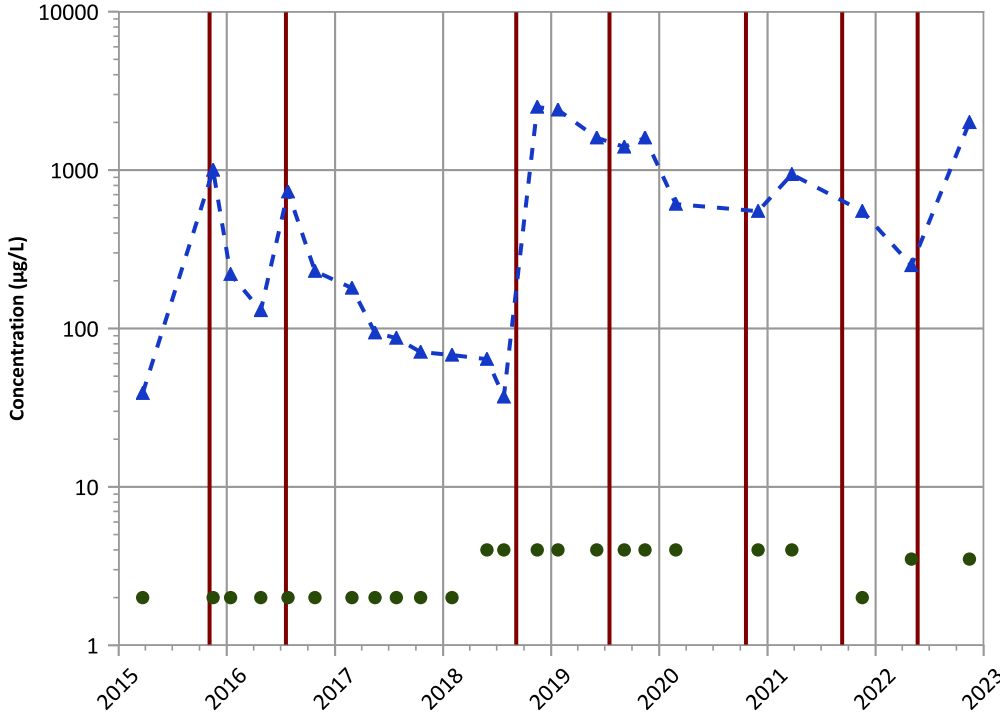


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

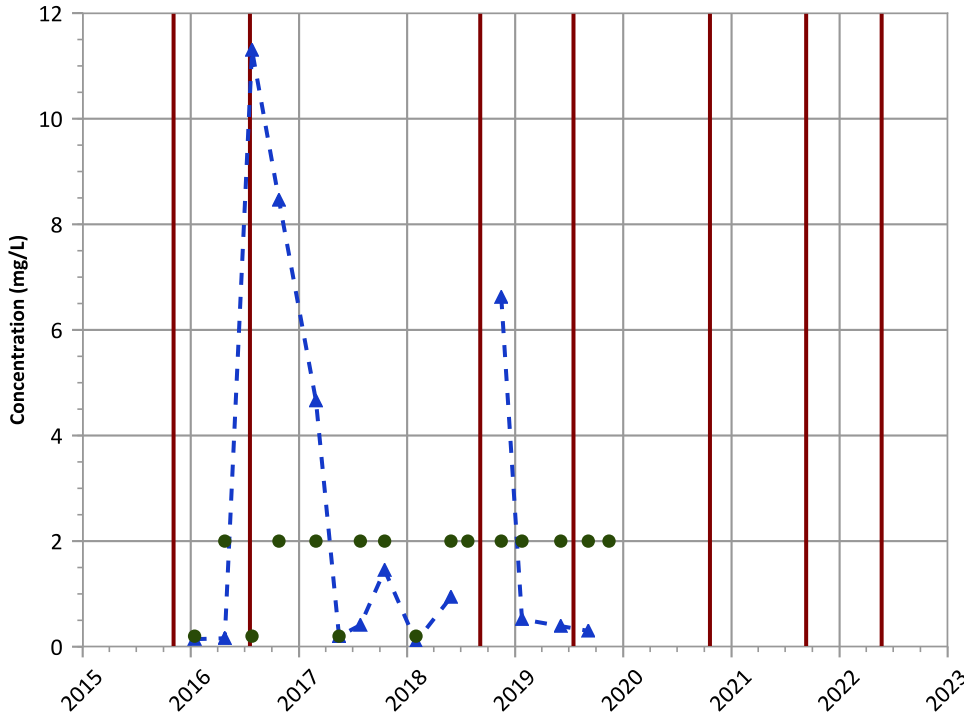


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Total Volatile Fatty Acids Trend

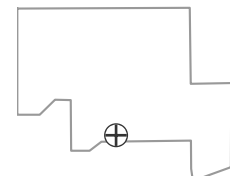


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Decreasing

Well Location

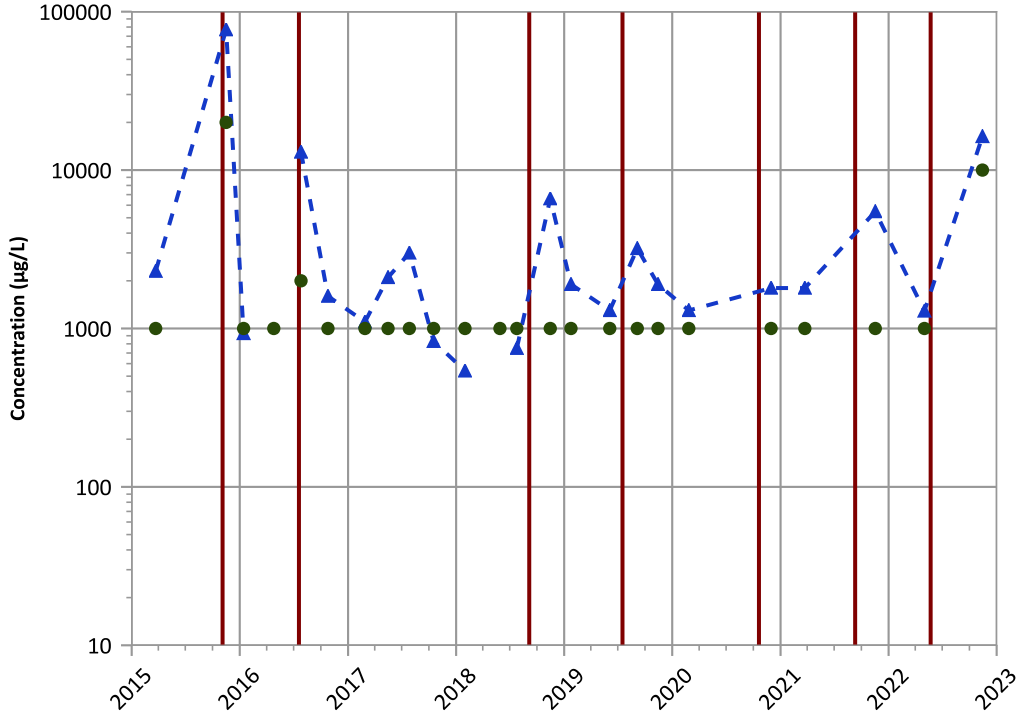


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

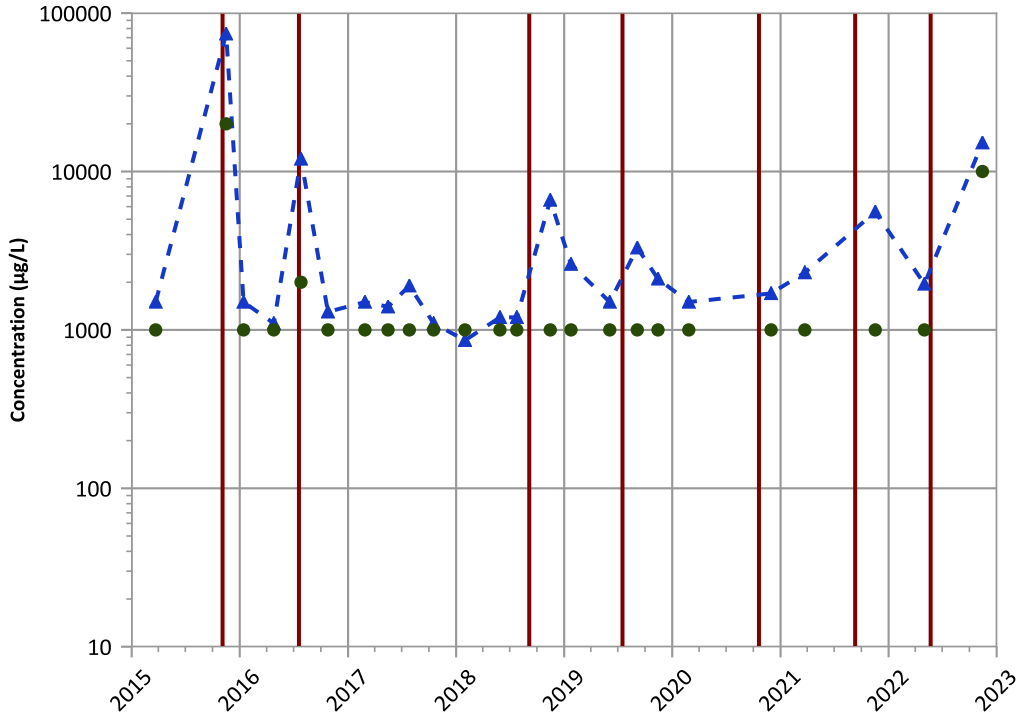


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Dissolved Organic Carbon (DOC) Trend

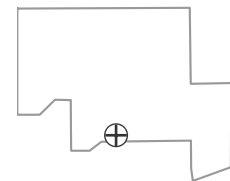


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

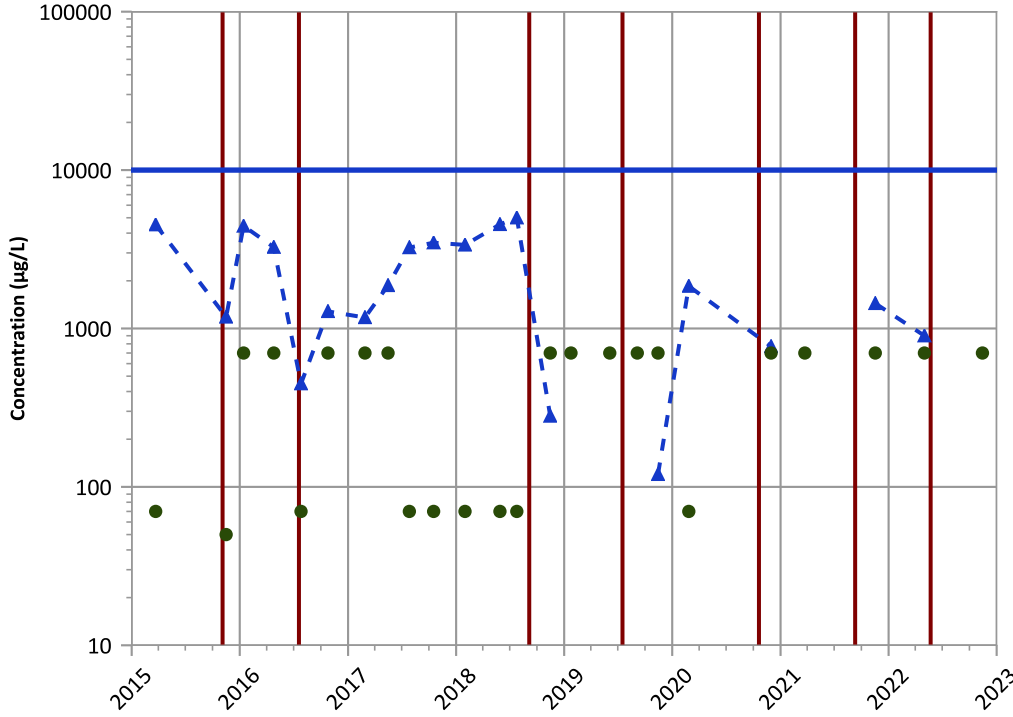


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1164 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

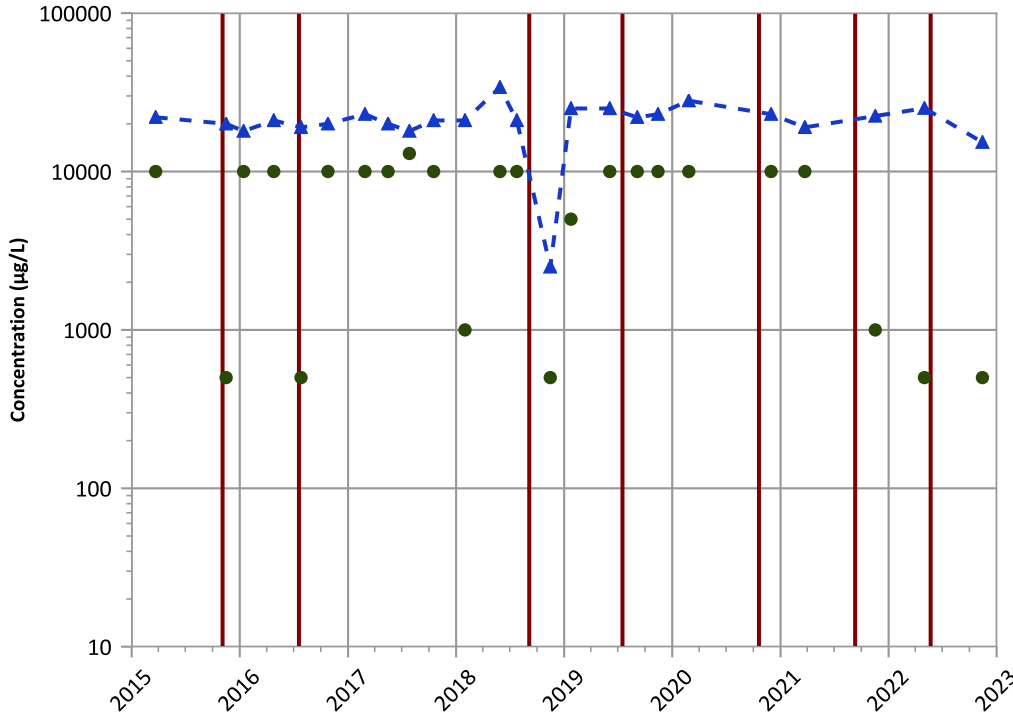


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Sulfate (as SO4) Trend

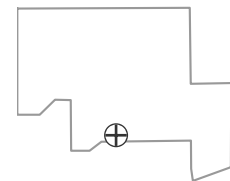


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

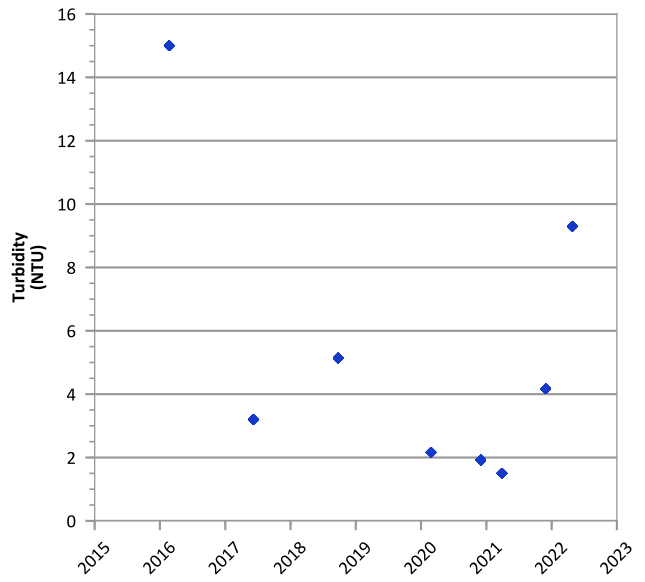
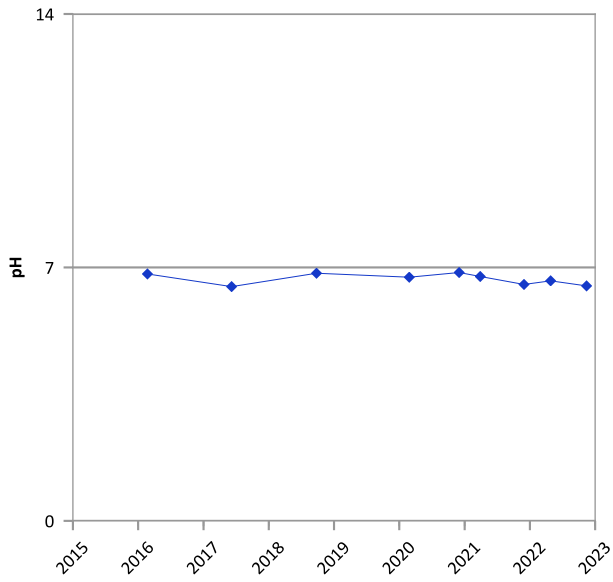
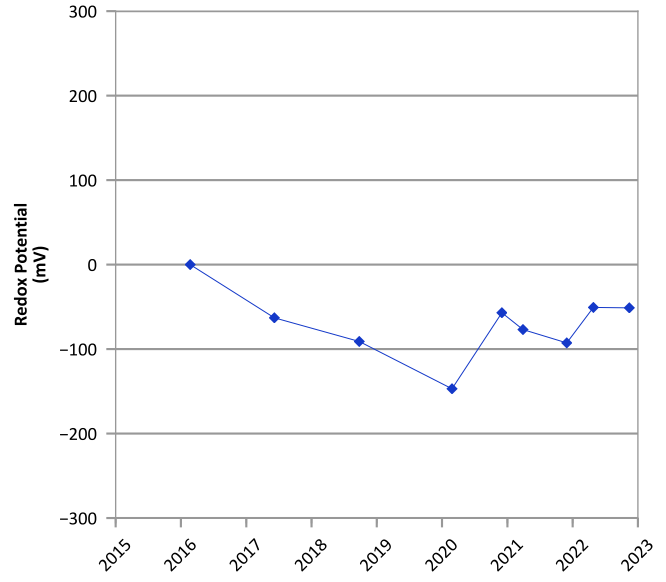
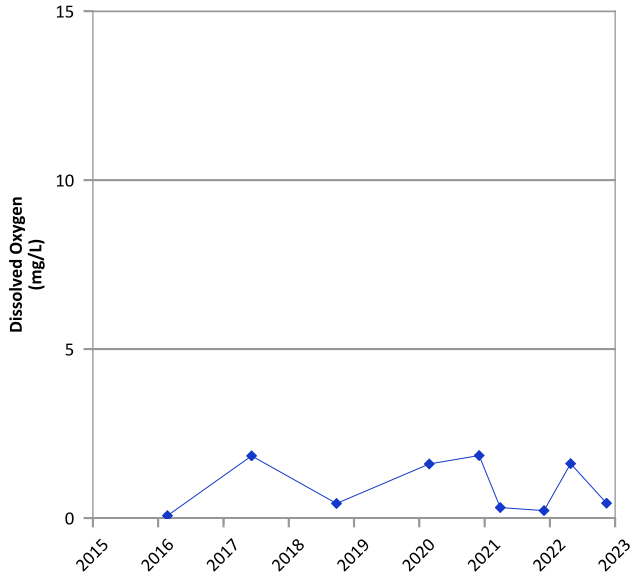
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/23/2015 to 11/14/2022  
Analysis Date: 04/24/2023

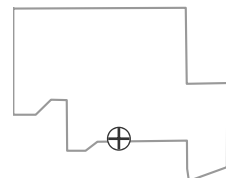
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**

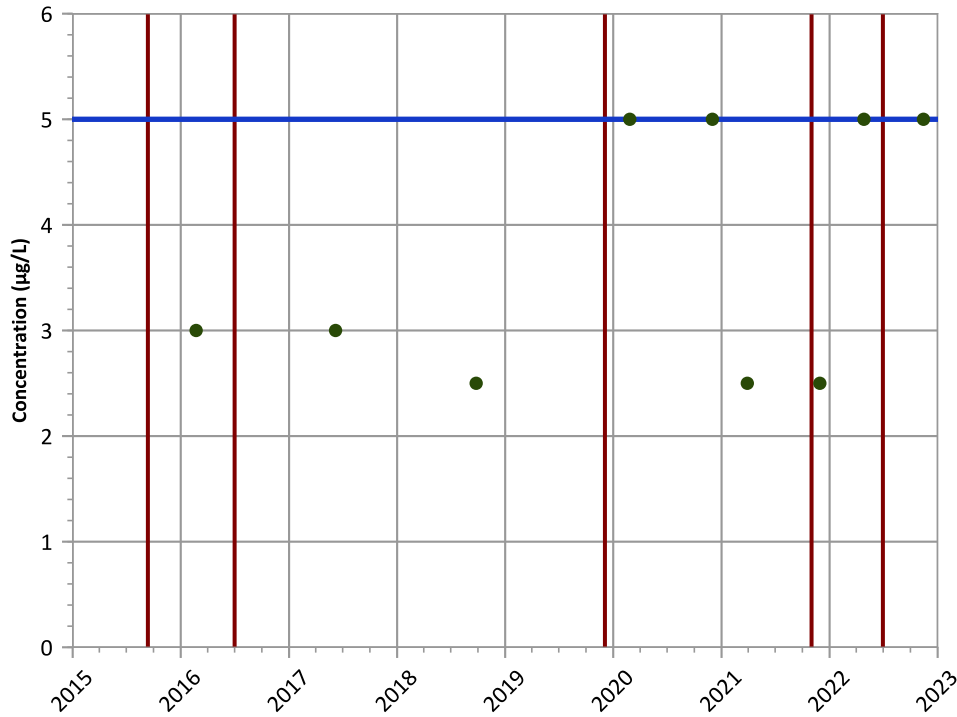


Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 02/22/2016 to 11/14/2022  
 Analysis Date: 04/24/2023

**Well Location**



**PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

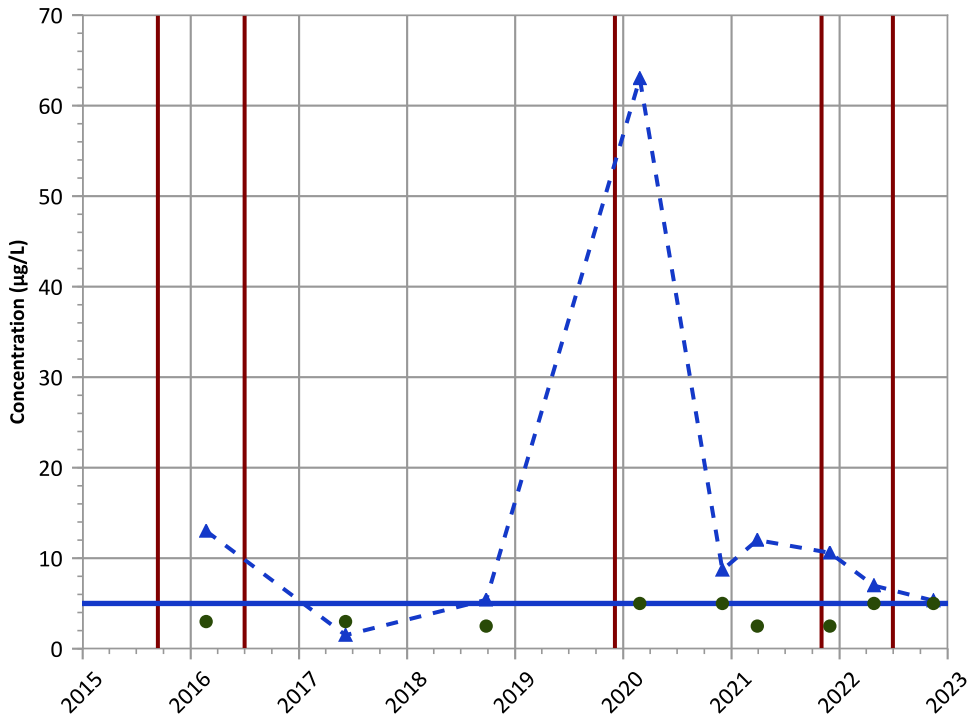


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

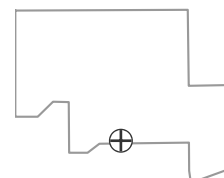
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

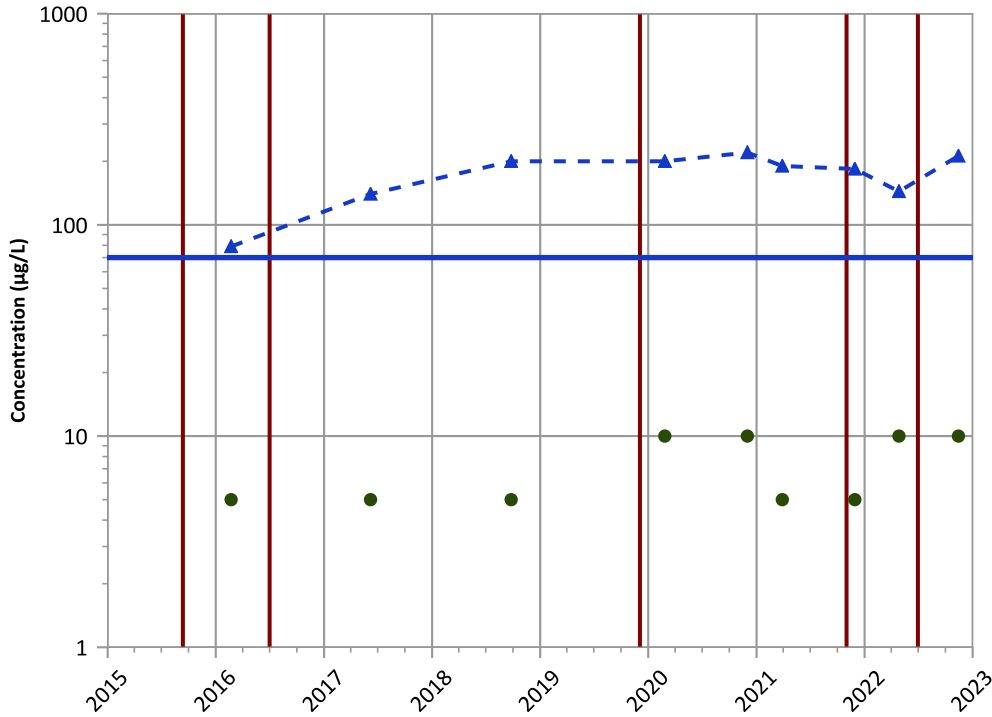
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/22/2016 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**Well Location**



PTX06-1169 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 cis-1,2-Dichloroethene Trend

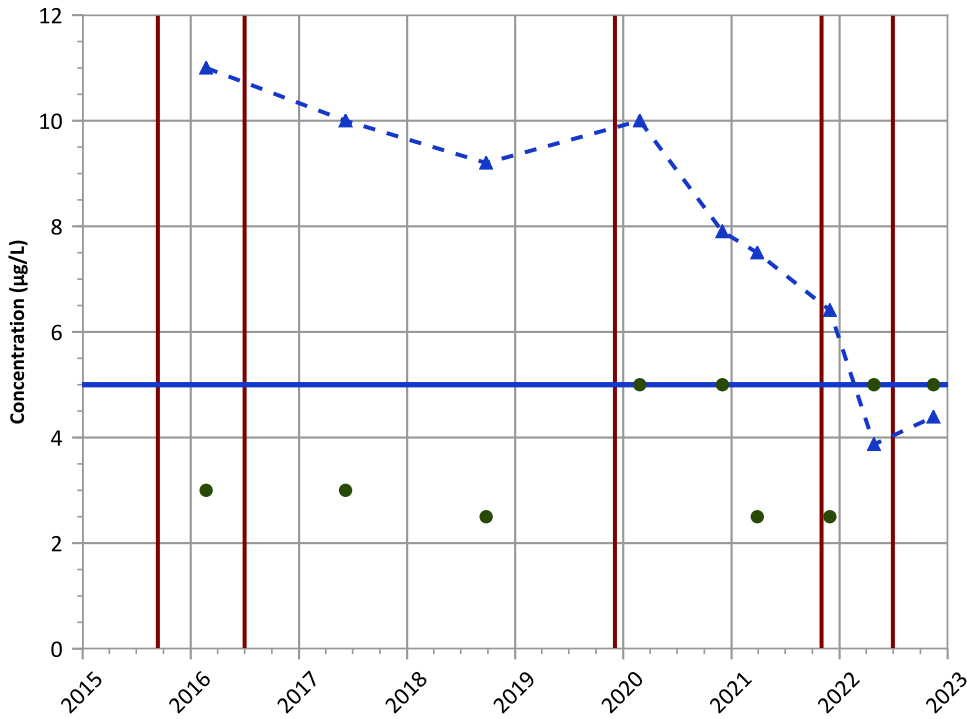


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 Stable

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 No Trend

1,2-Dichloroethane Trend



**Concentration Trend**

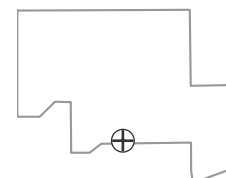
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 Stable

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 Probably Decreasing

Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 02/22/2016 to 11/14/2022  
 Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

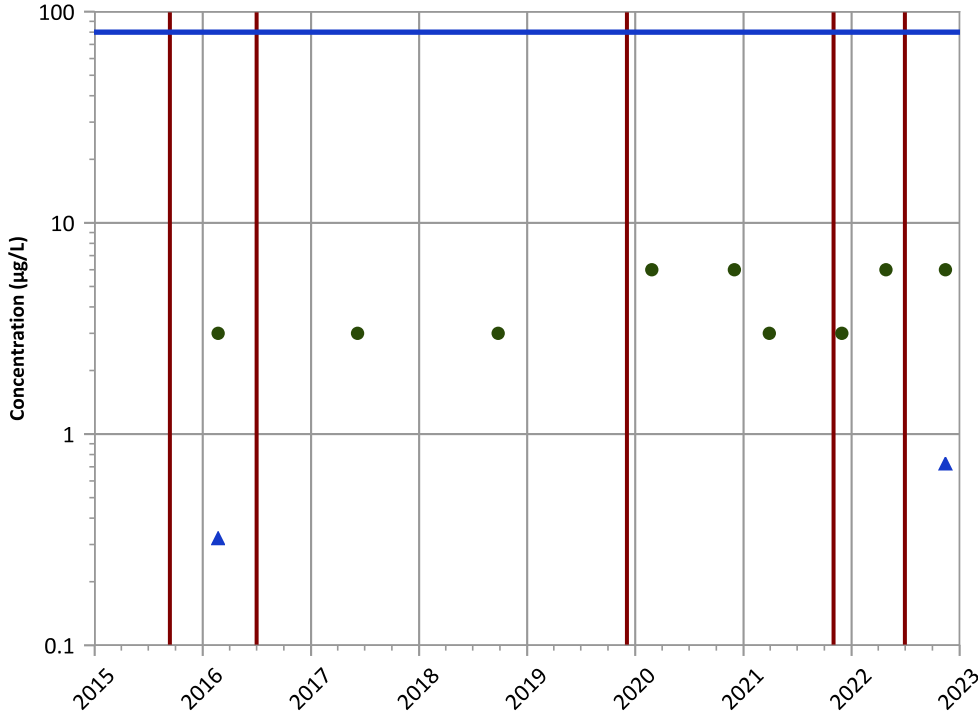
**Well Location**





PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

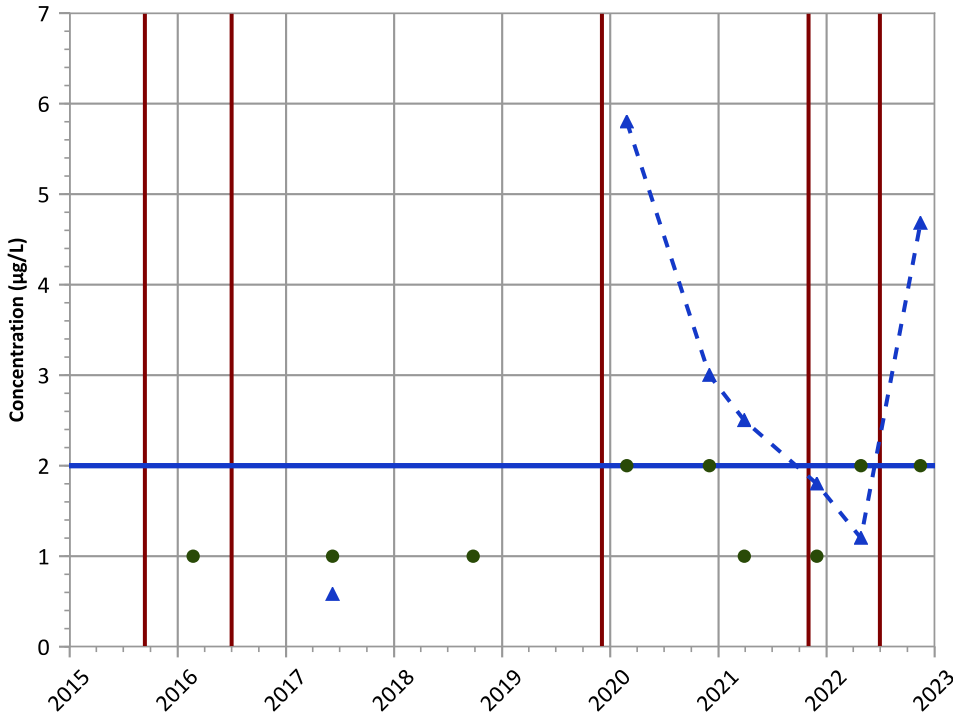
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Vinyl Chloride Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

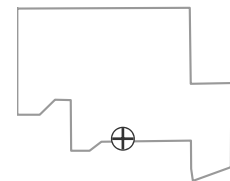
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

Well Location

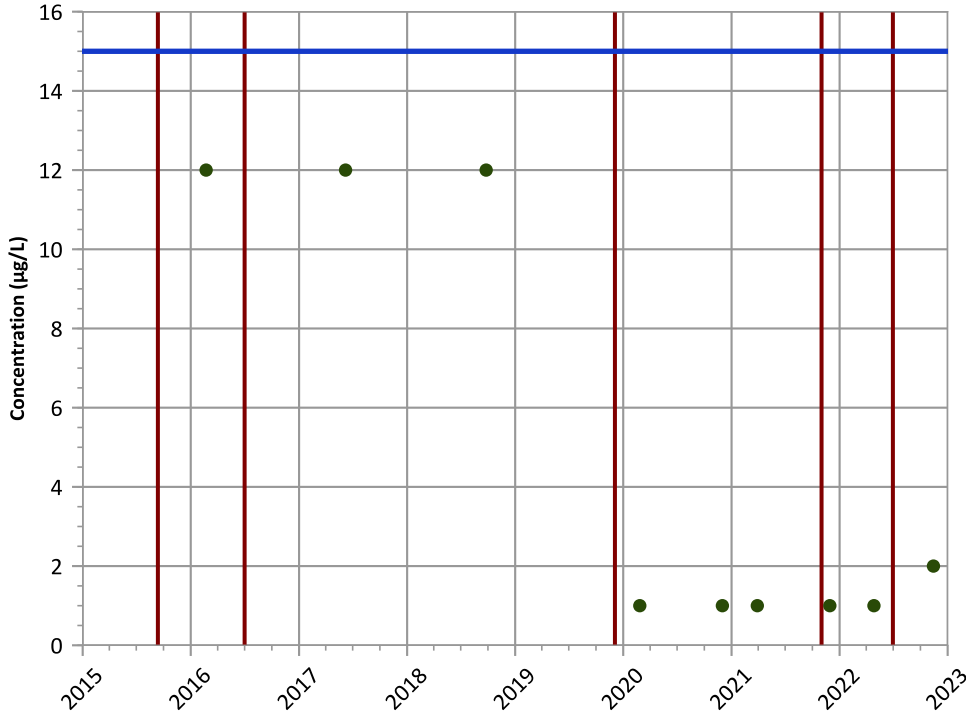


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/22/2016 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

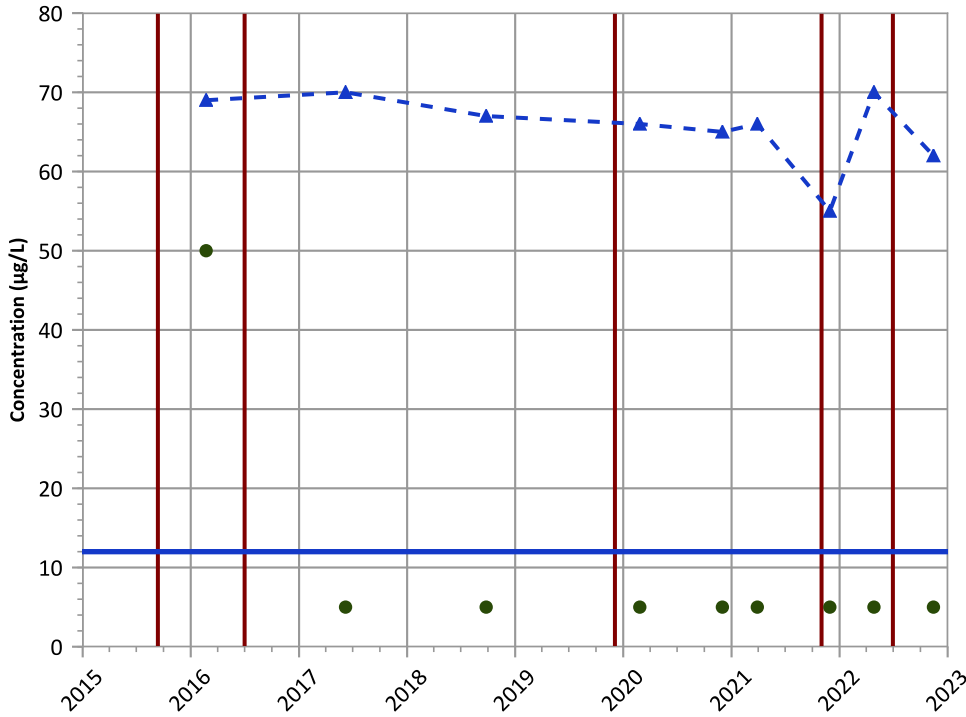


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Arsenic Trend

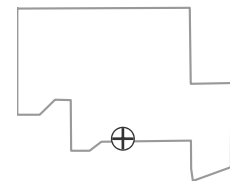


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

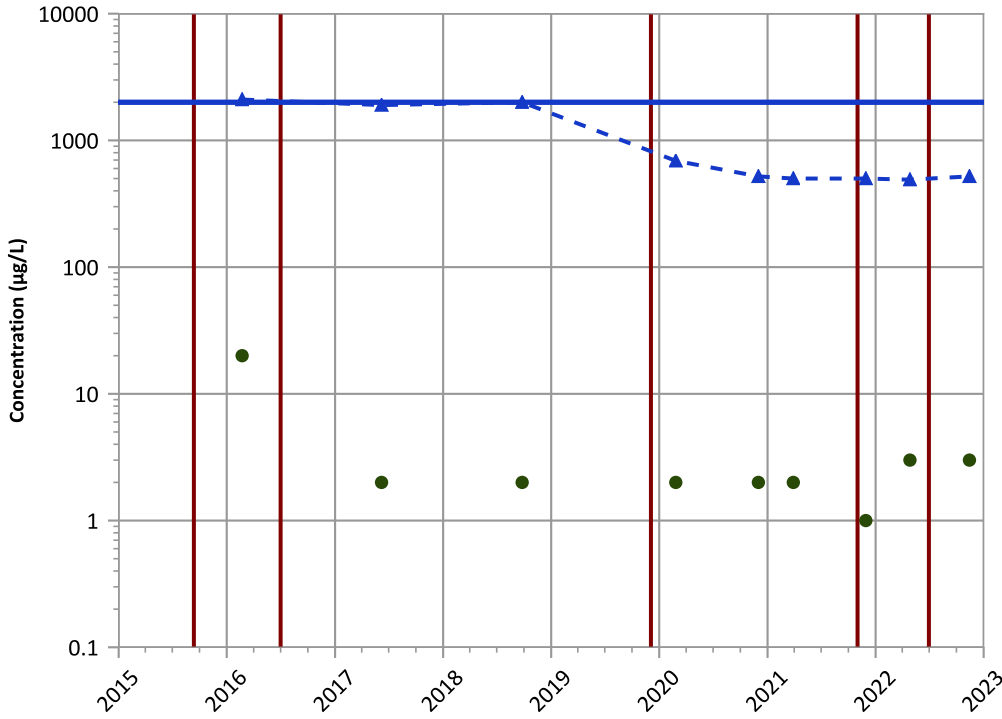


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/22/2016 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

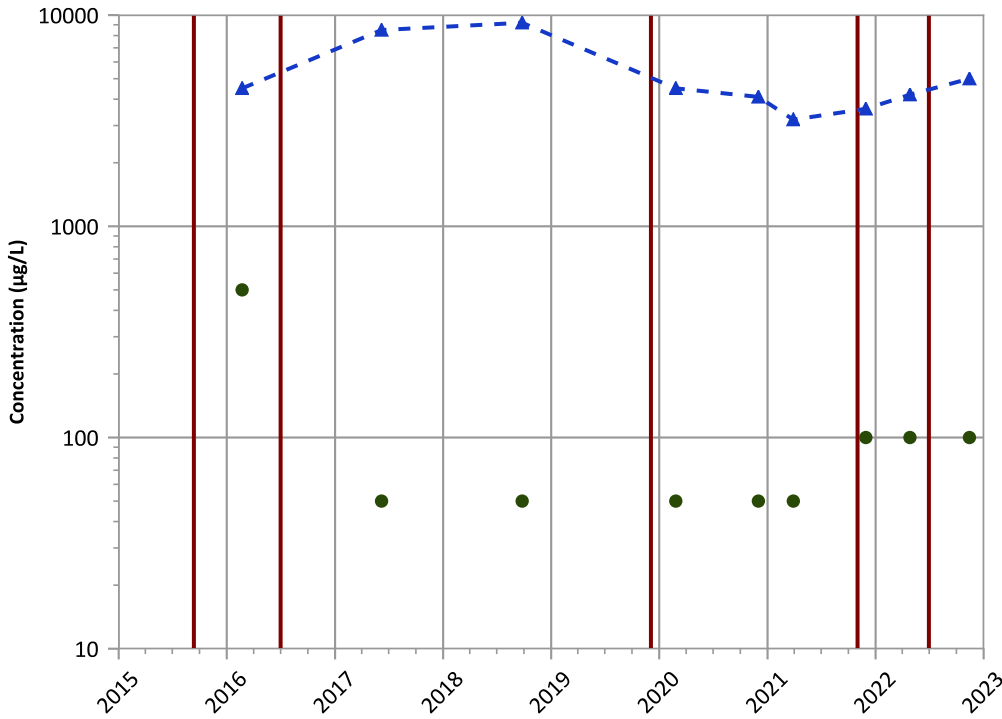


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Iron Trend

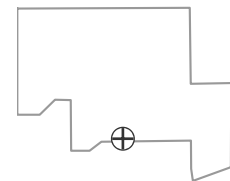


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Increasing

Well Location

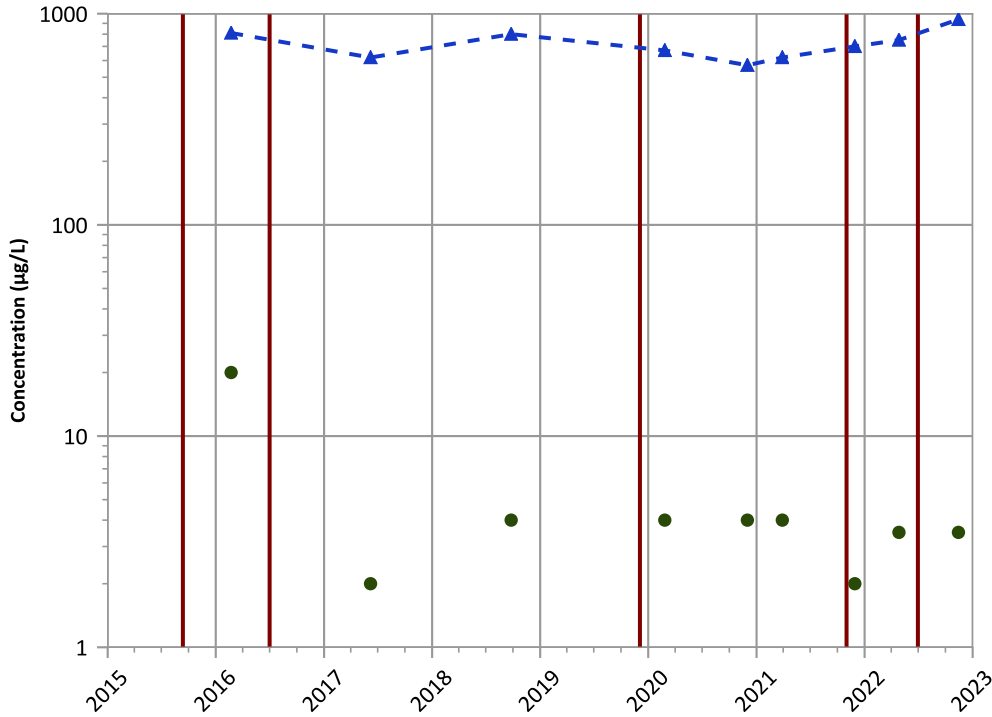


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/22/2016 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

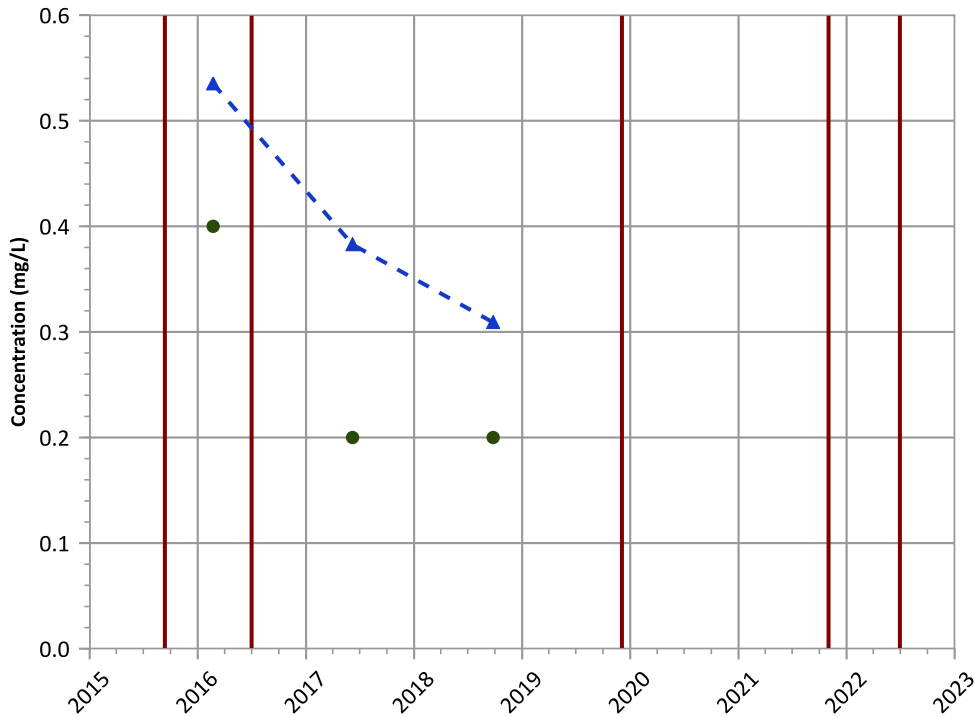


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Total Volatile Fatty Acids Trend

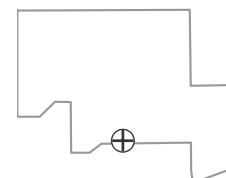


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

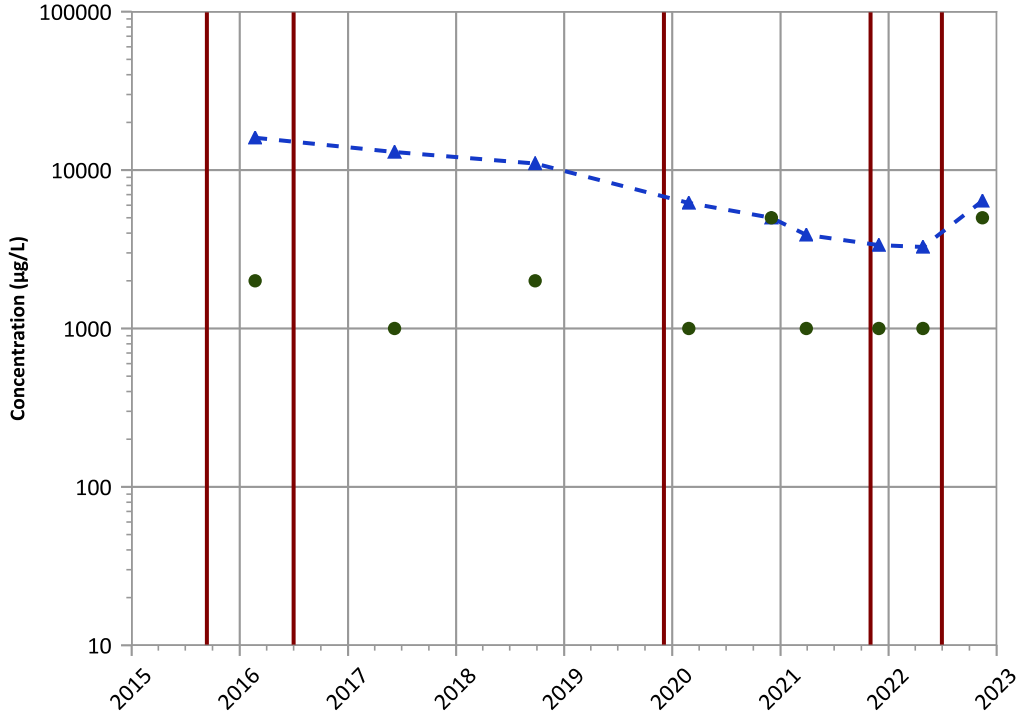


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/22/2016 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

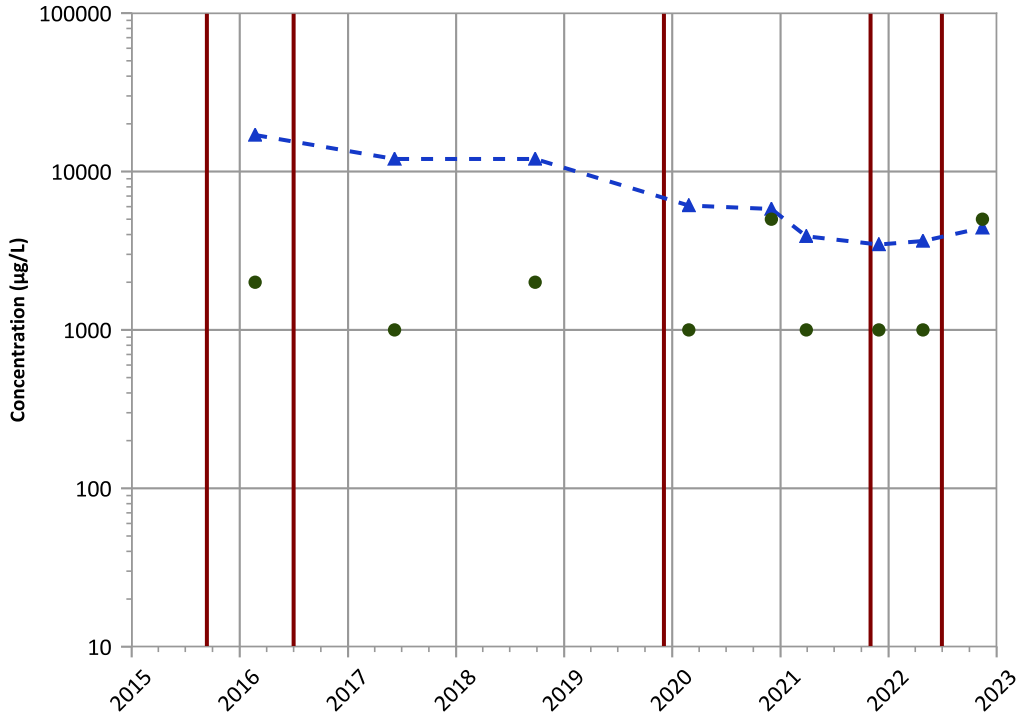


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Dissolved Organic Carbon (DOC) Trend

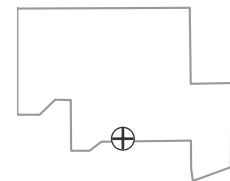


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

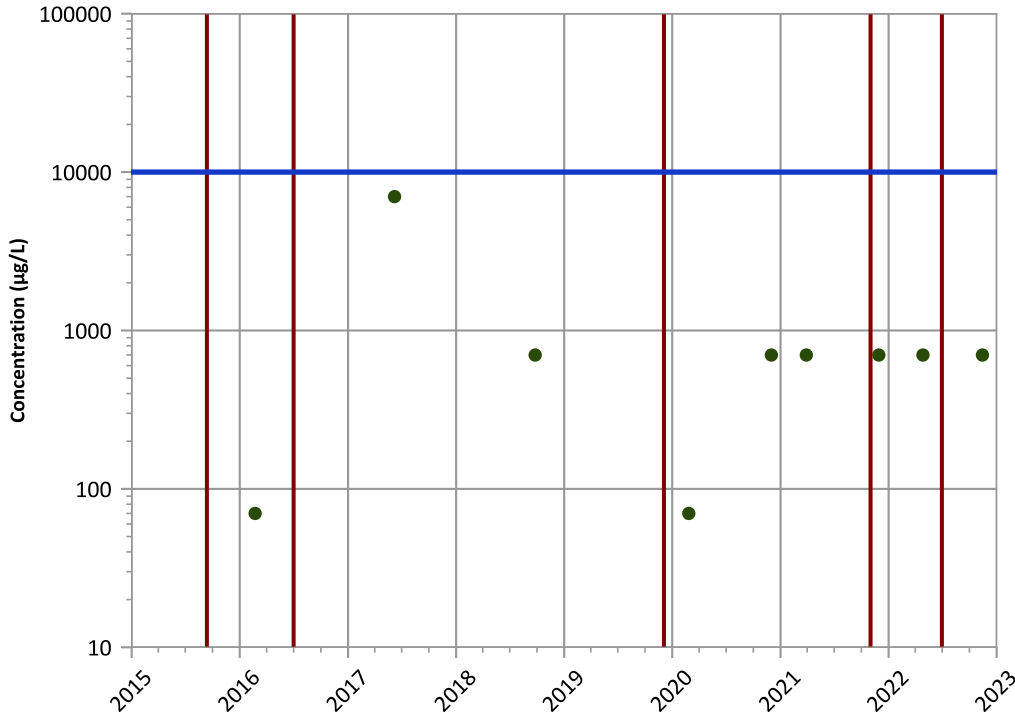


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/22/2016 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1169 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

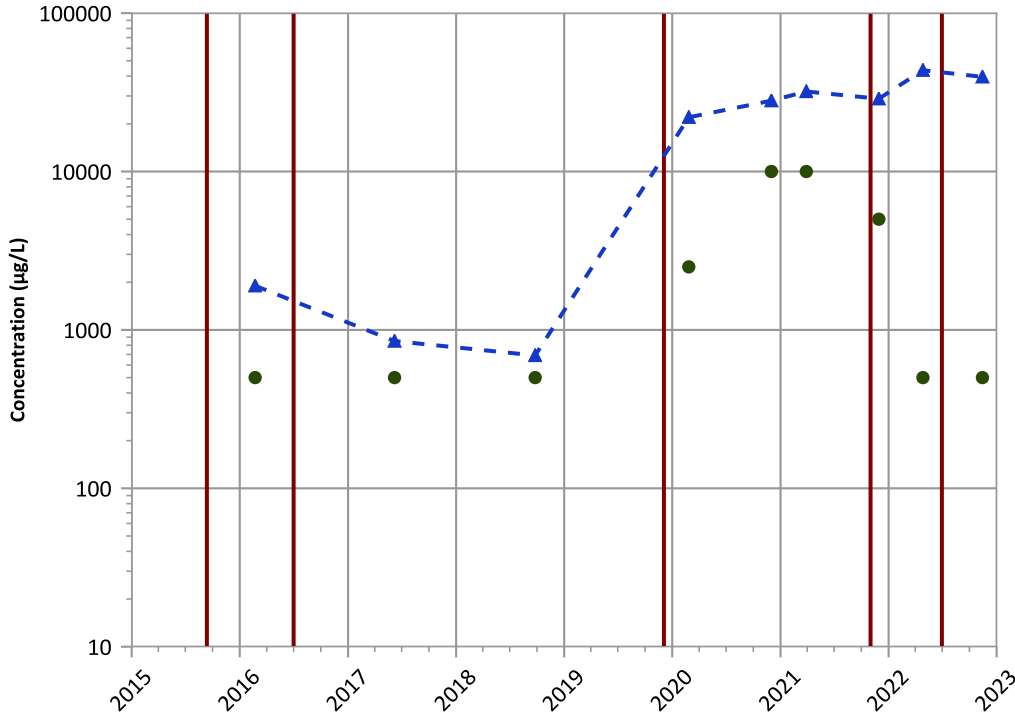
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

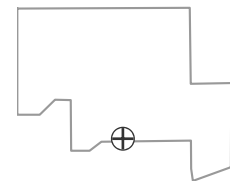
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

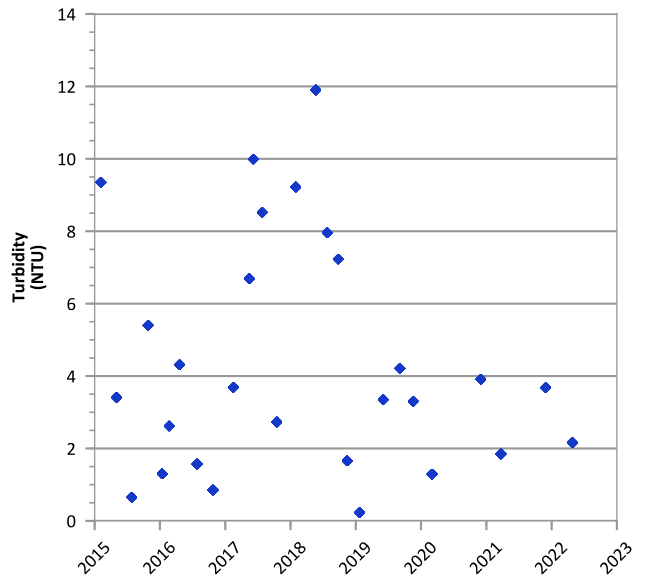
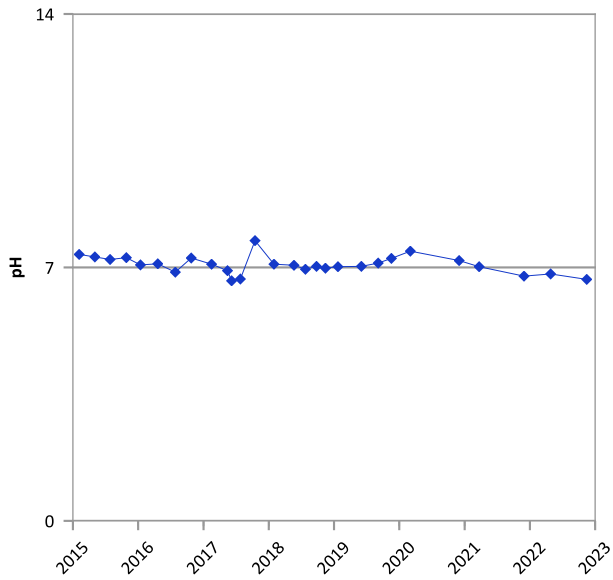
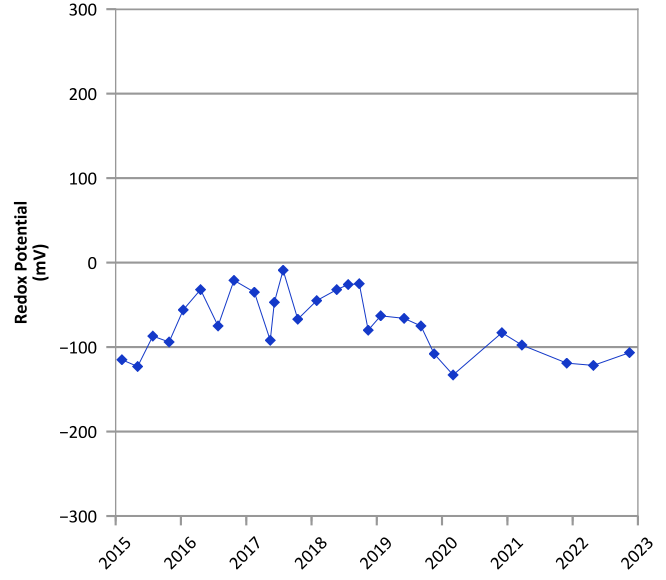
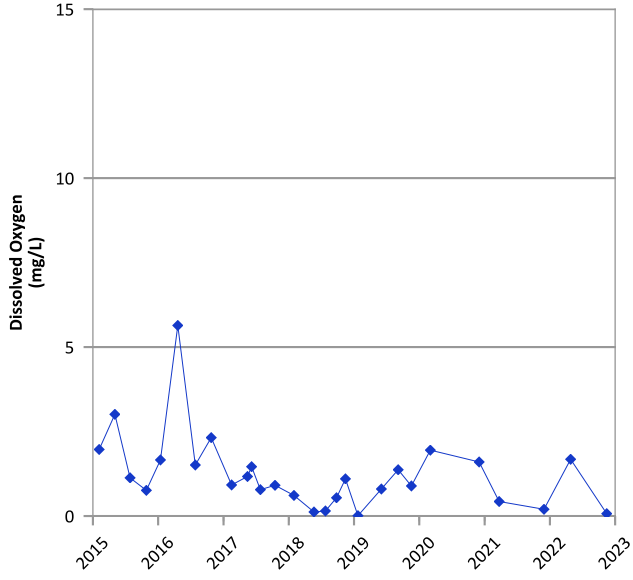
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/22/2016 to 11/14/2022  
Analysis Date: 04/24/2023

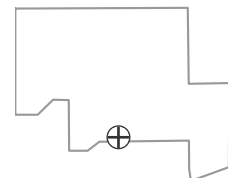
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**

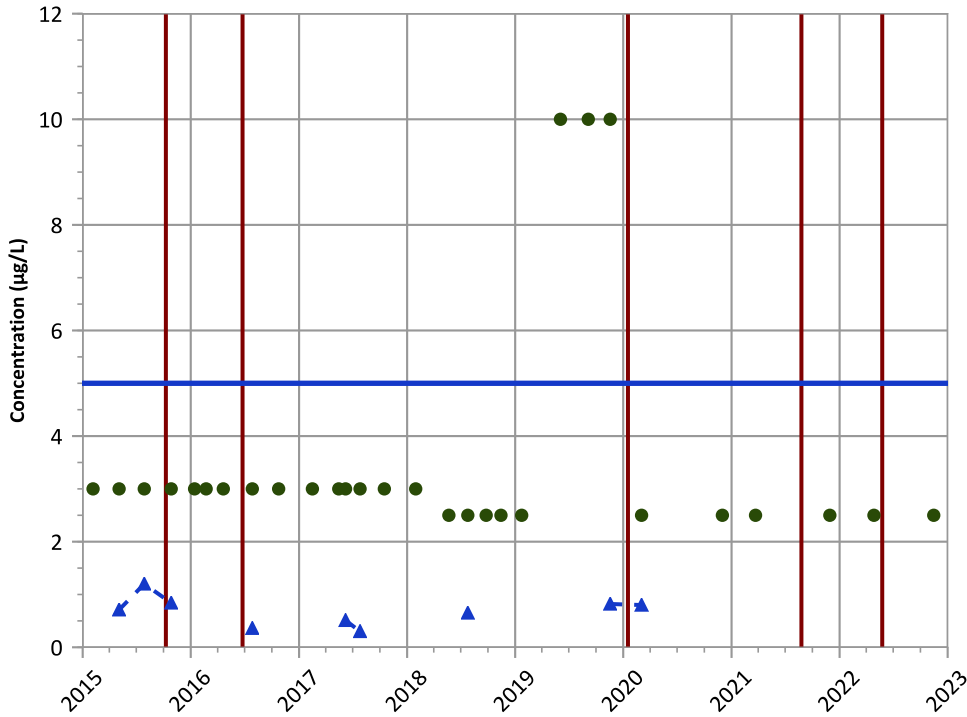


Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 02/05/2015 to 11/15/2022  
 Analysis Date: 04/24/2023

**Well Location**



**PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

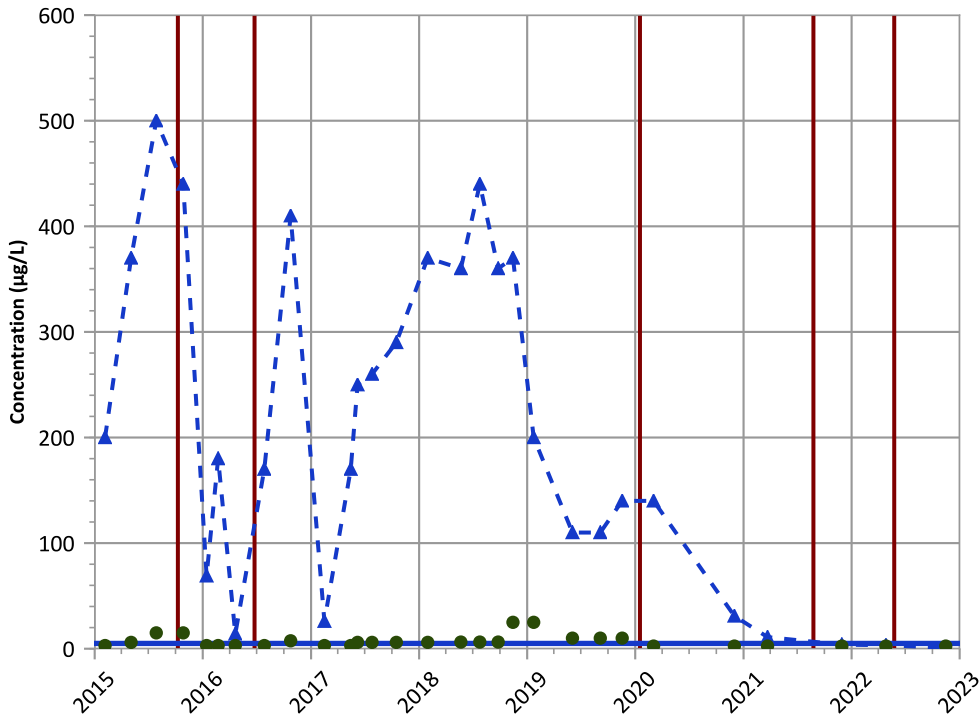


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**Trichloroethene Trend**

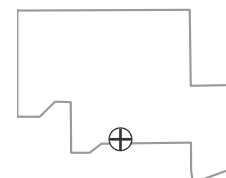


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Well Location**



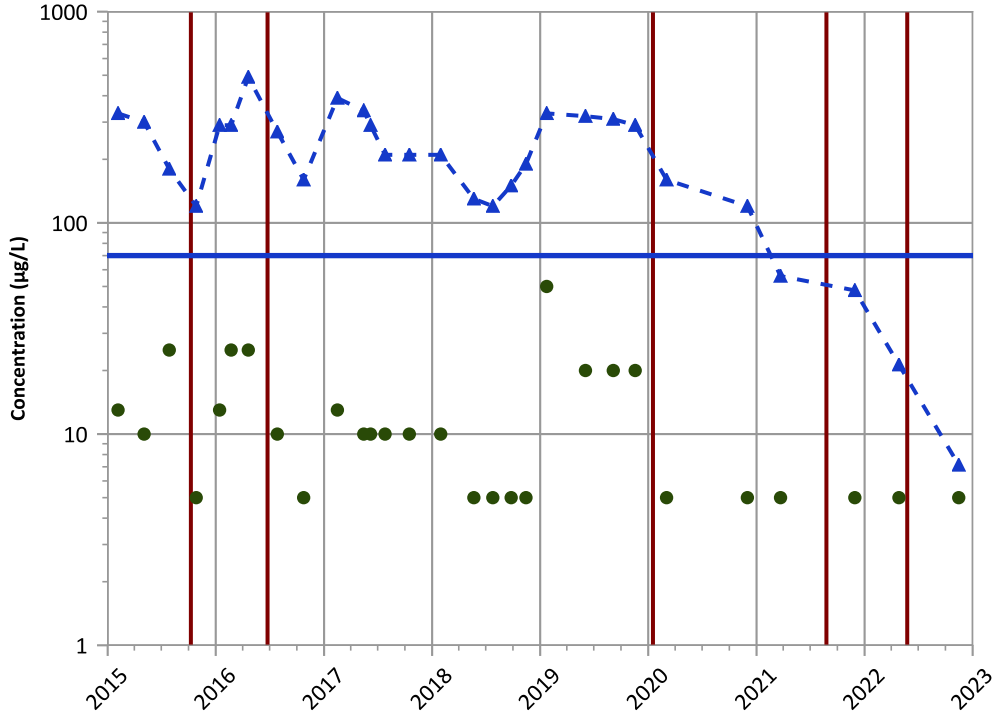
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend

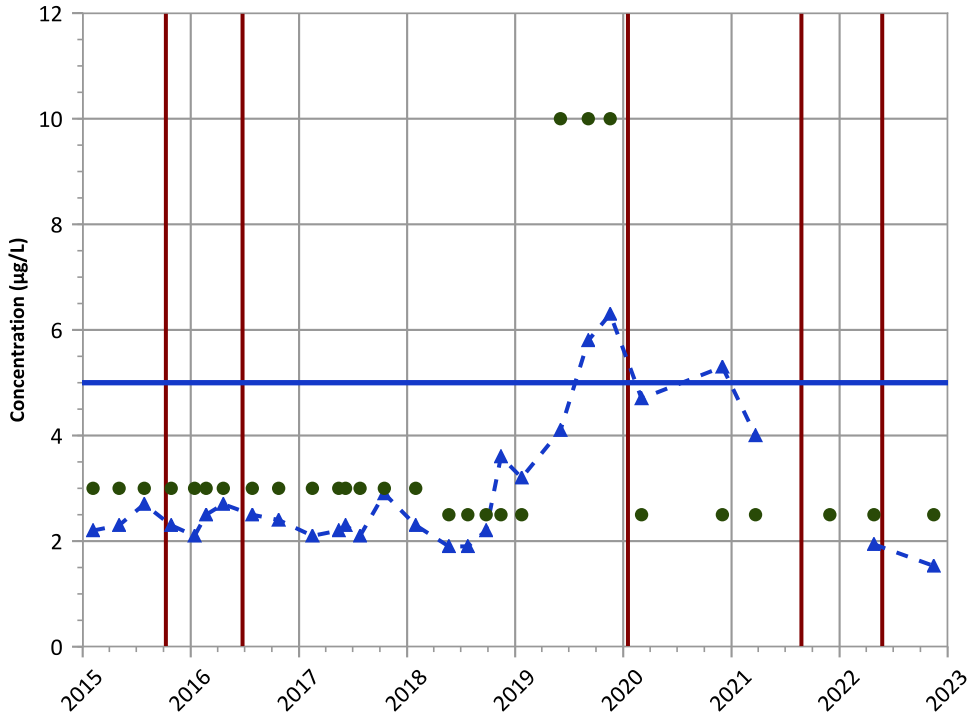


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

1,2-Dichloroethane Trend

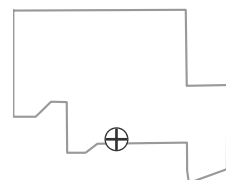


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

Well Location

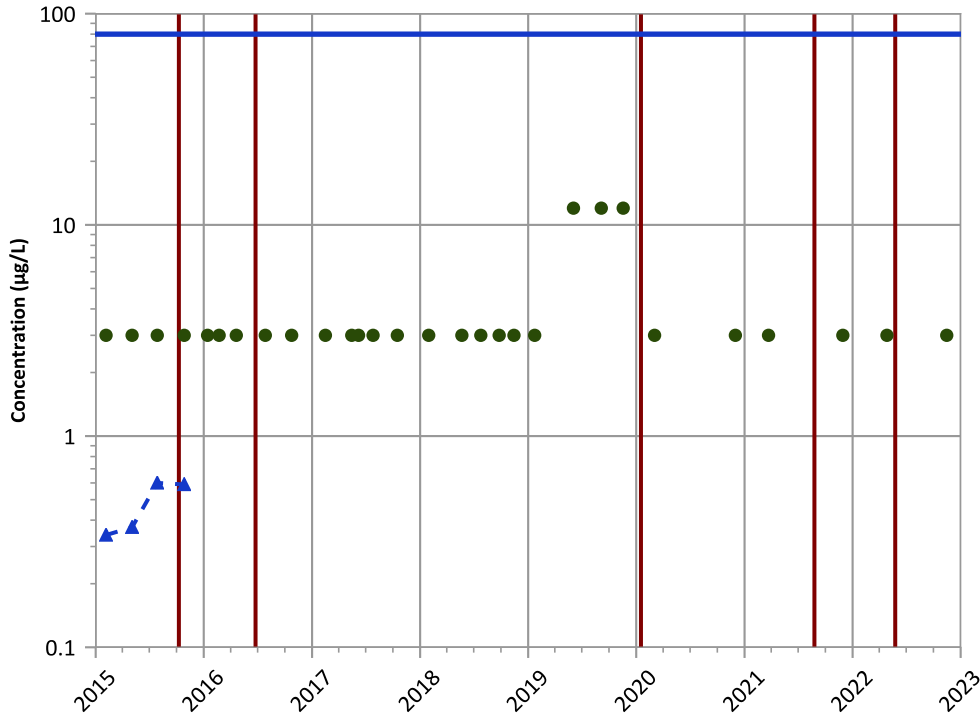


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

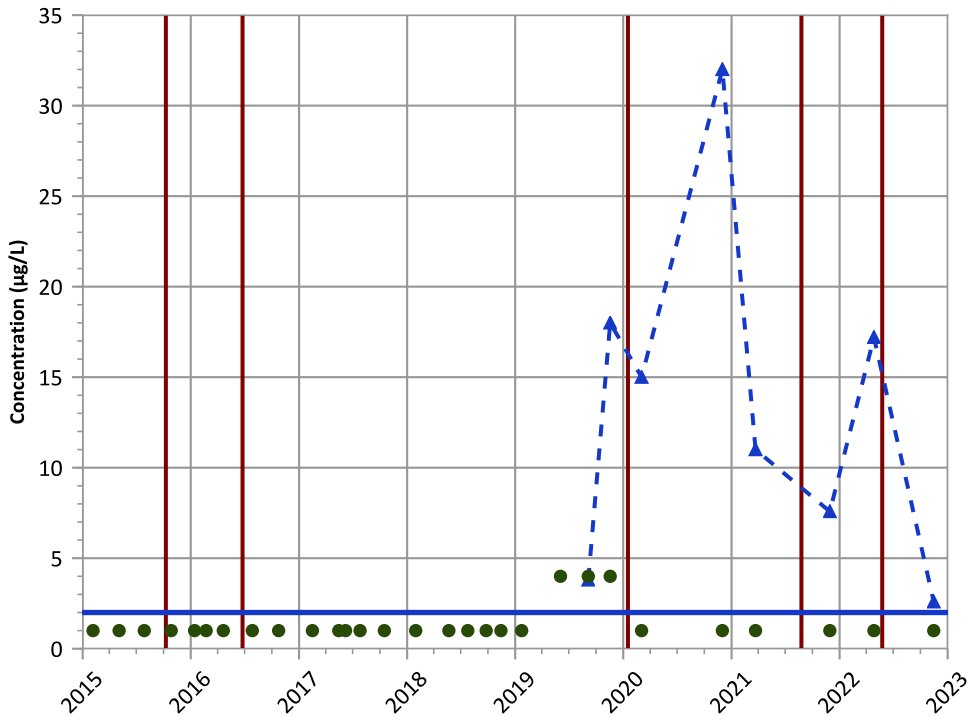


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Vinyl Chloride Trend

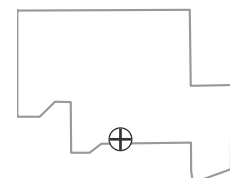


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Well Location

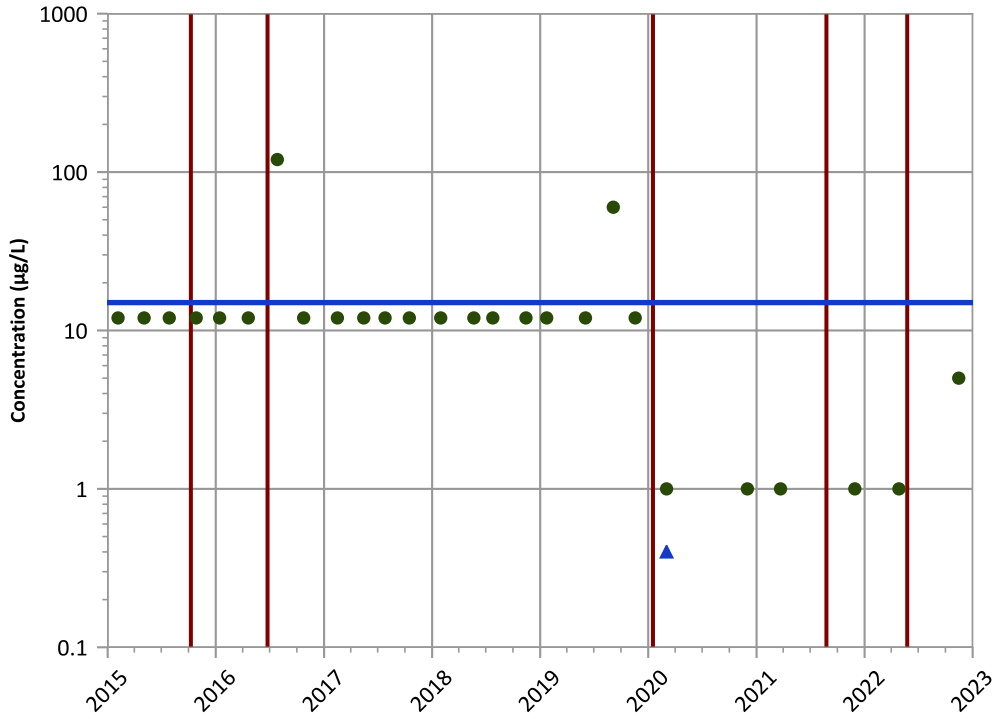


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

### PTX06-1170 in Perched Aquifer USDOE/NNSA Pantex Plant

#### Perchlorate Trend

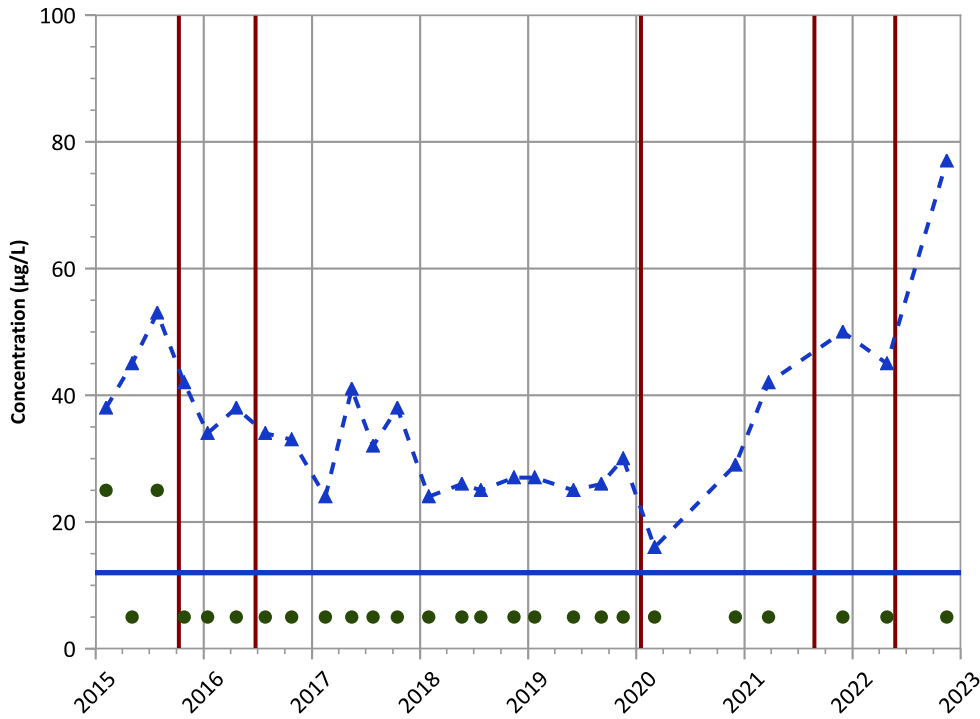


#### Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

#### Arsenic Trend

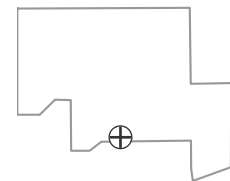


#### Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

#### Well Location

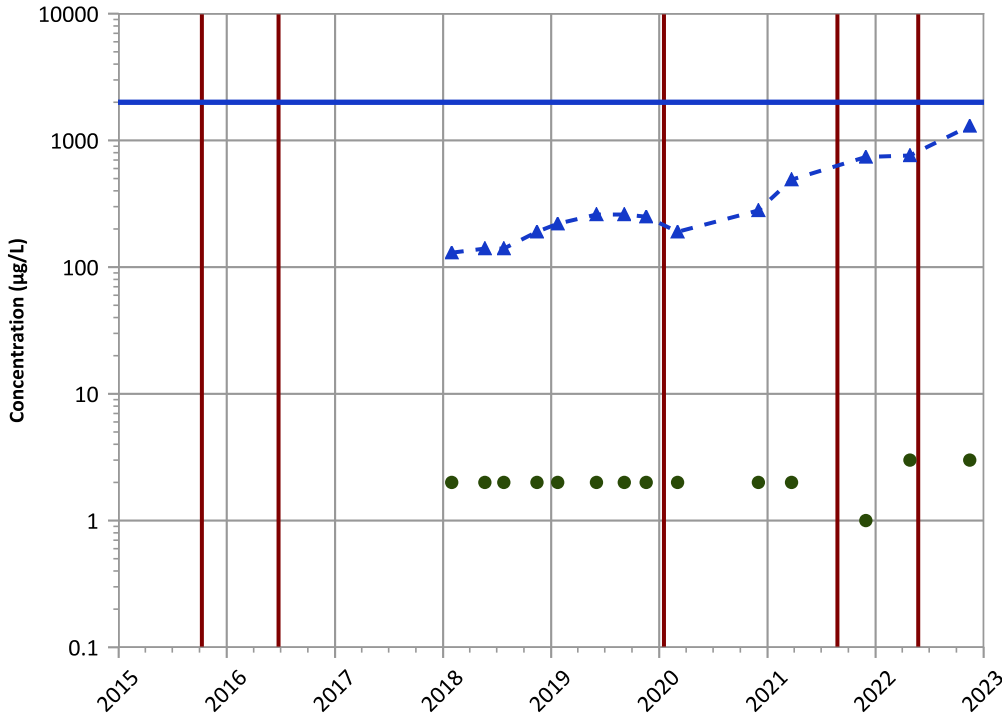


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

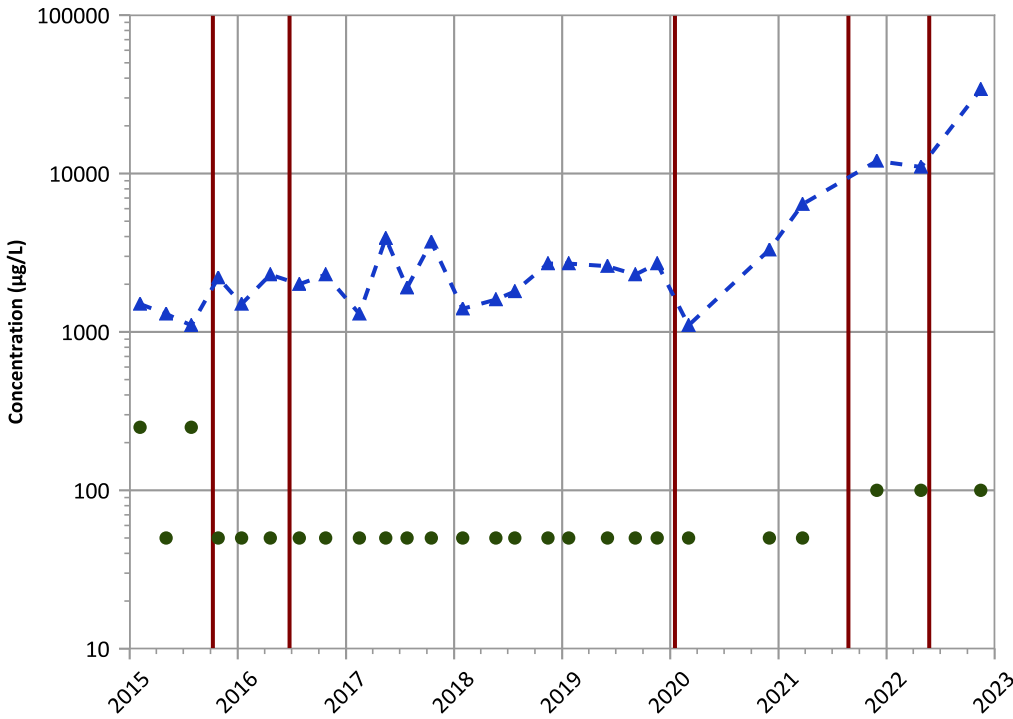
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

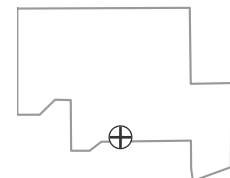
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

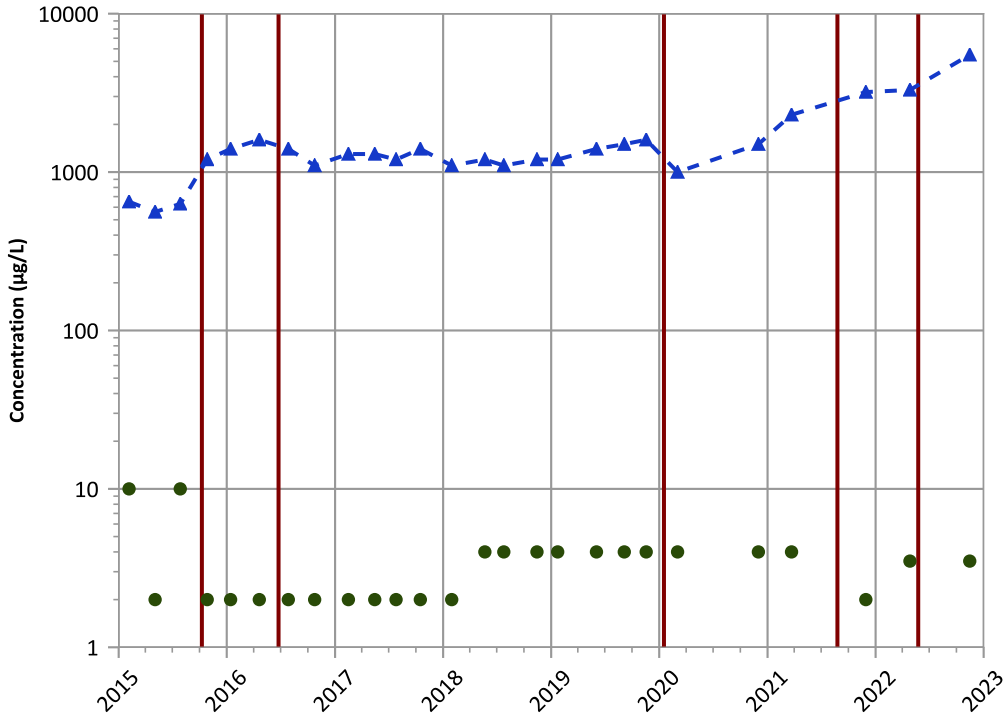
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

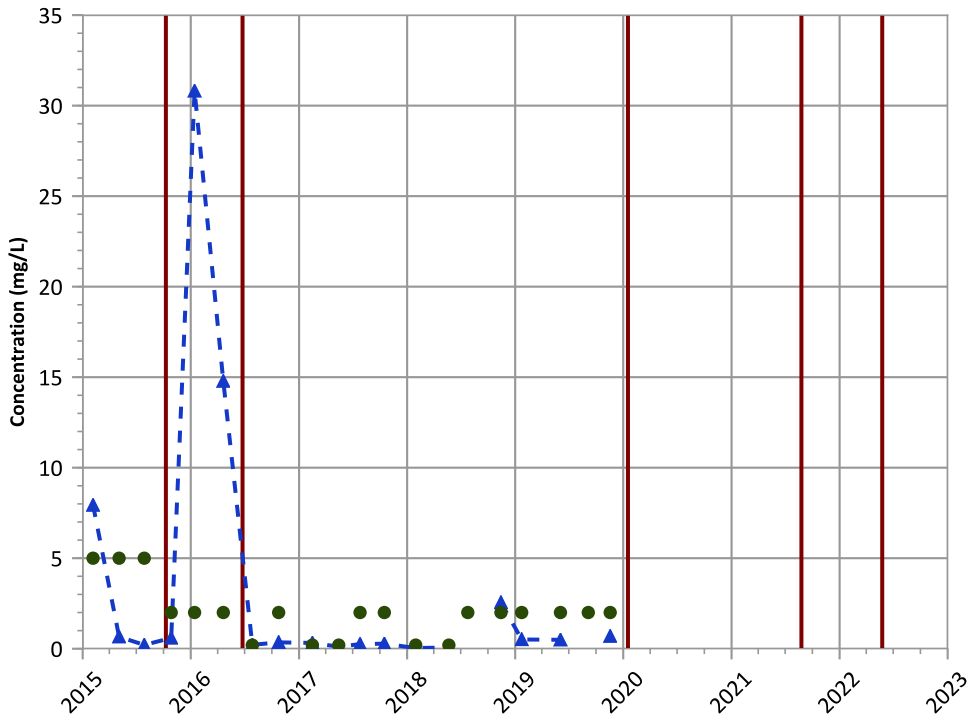
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

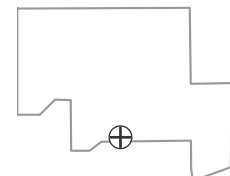
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Stable

Well Location

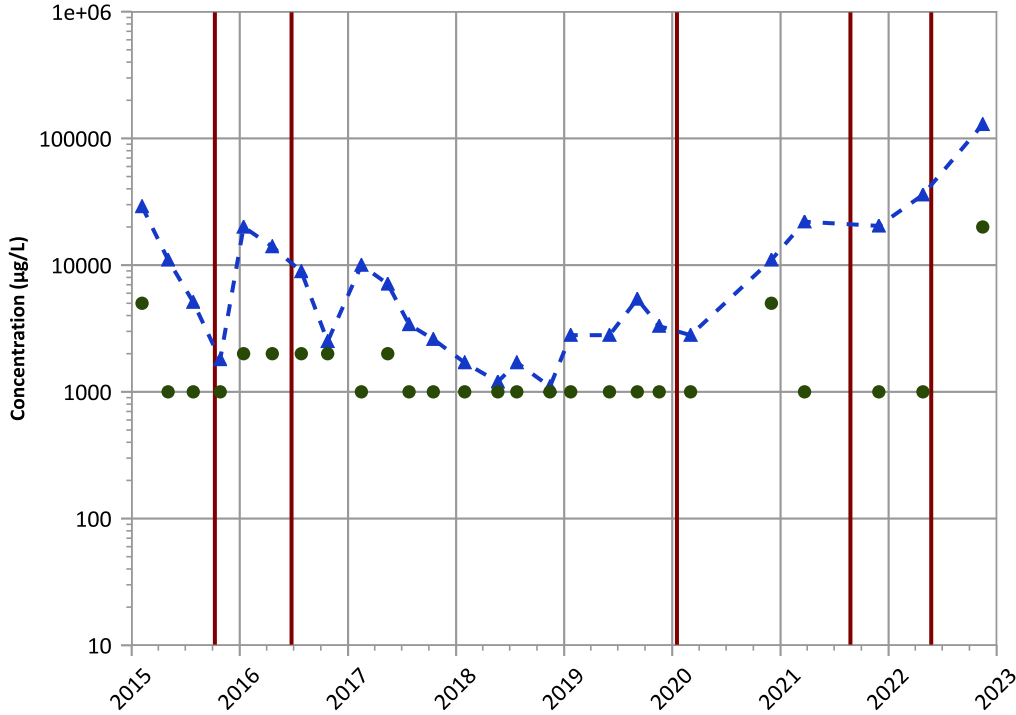


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

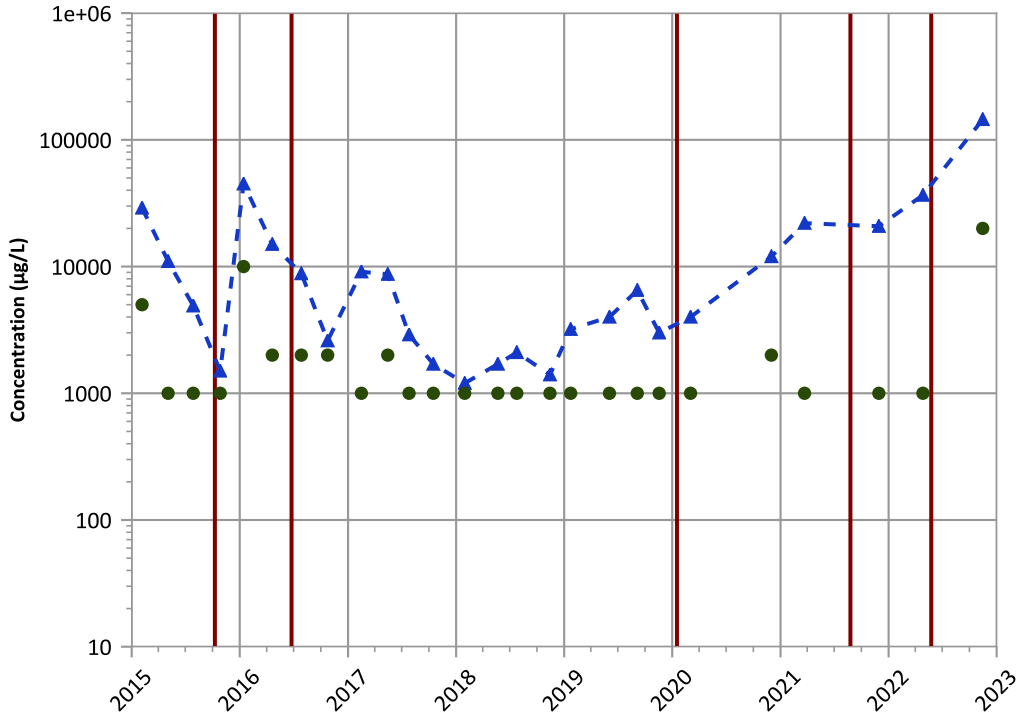


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Dissolved Organic Carbon (DOC) Trend

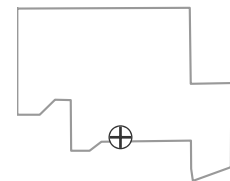


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Well Location

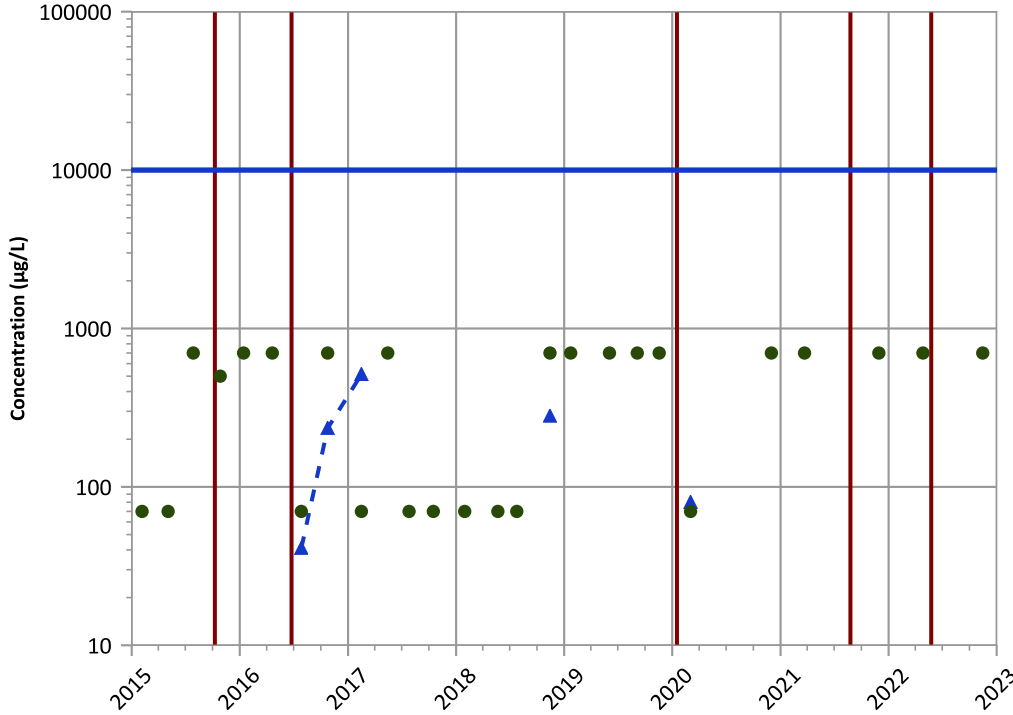


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1170 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

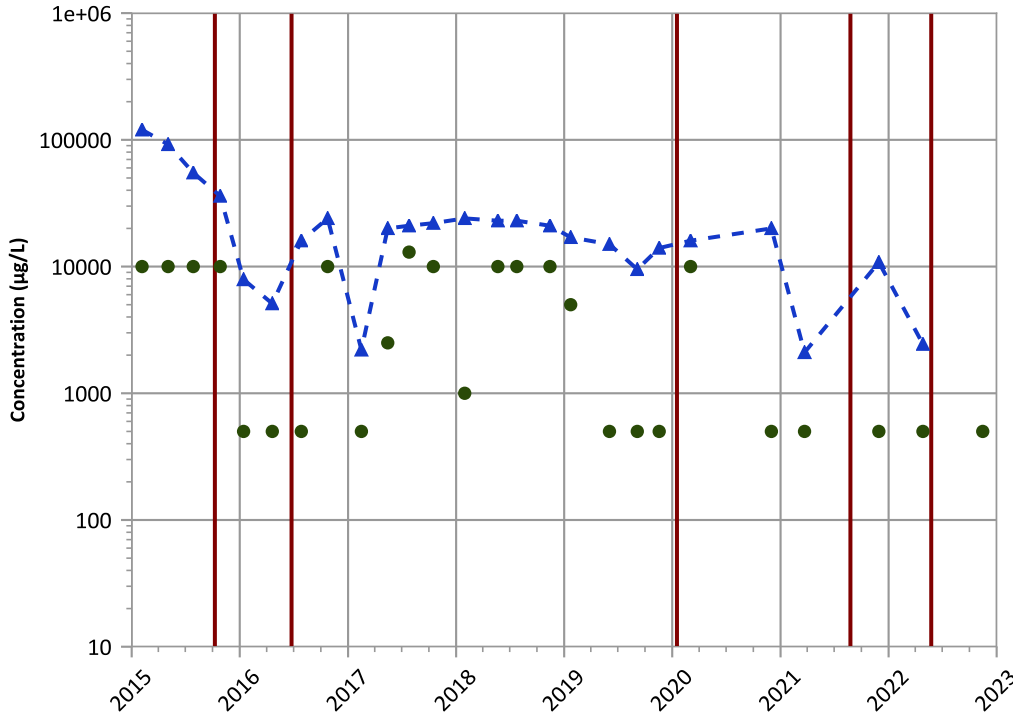


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Sulfate (as SO4) Trend

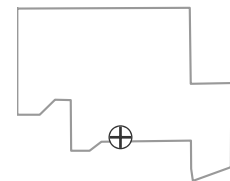


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

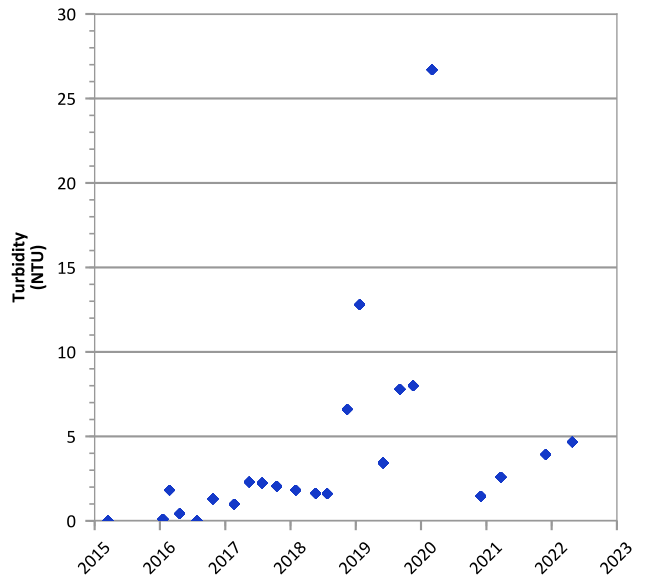
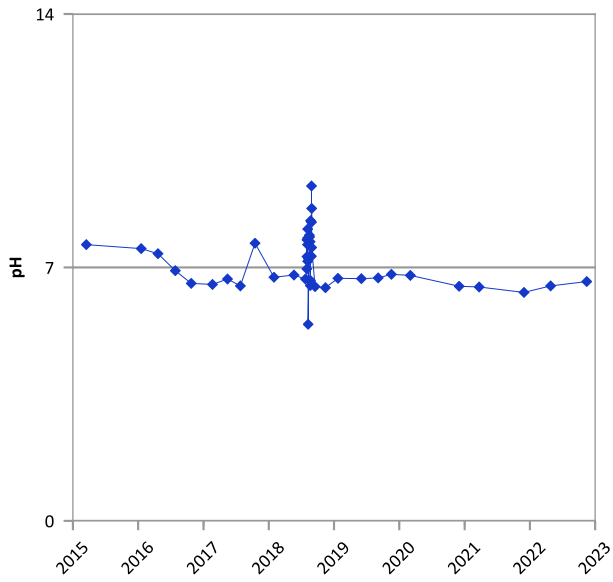
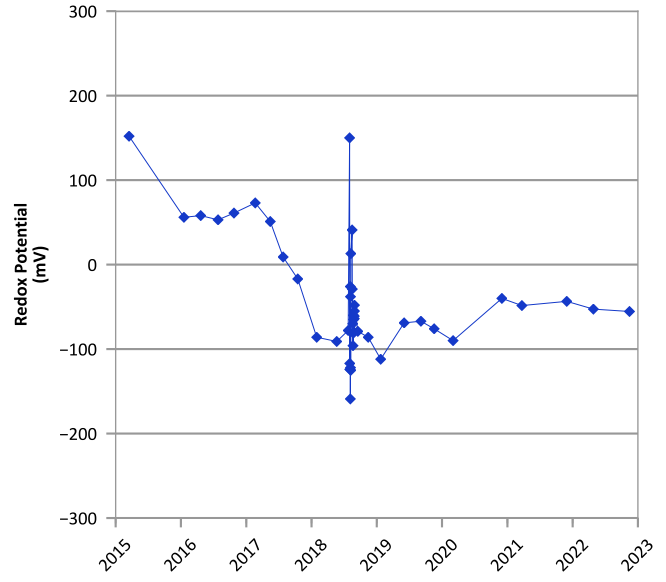
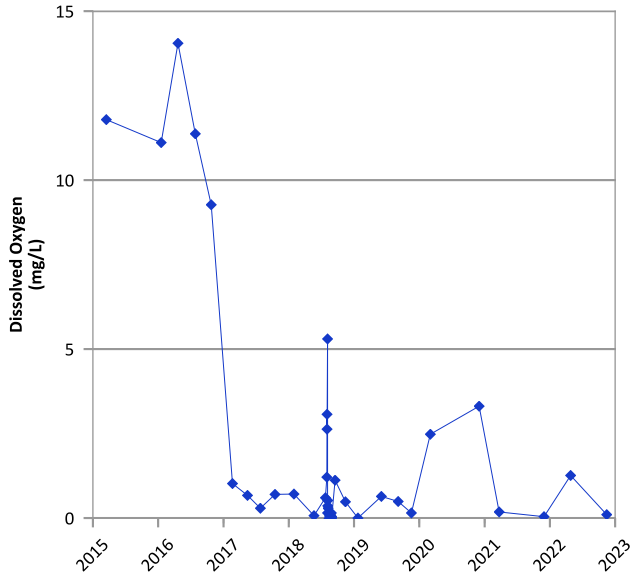
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2015 to 11/15/2022  
Analysis Date: 04/24/2023

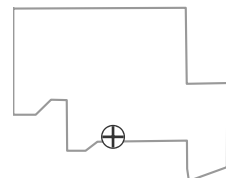
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/17/2015 to 11/15/2022  
 Analysis Date: 04/24/2023

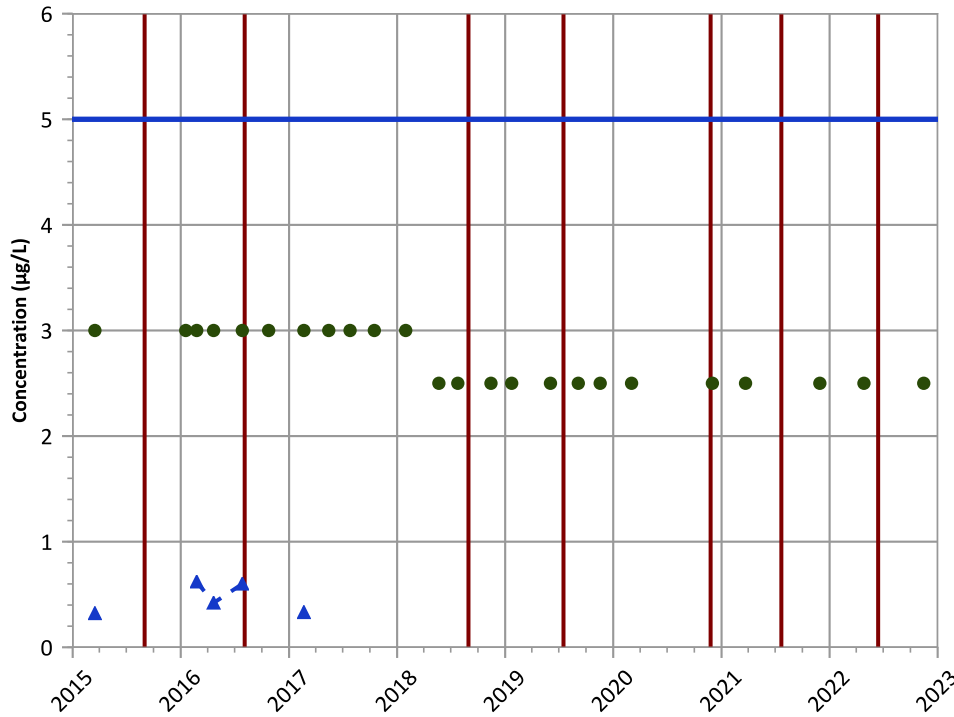
**Well Location**





PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend

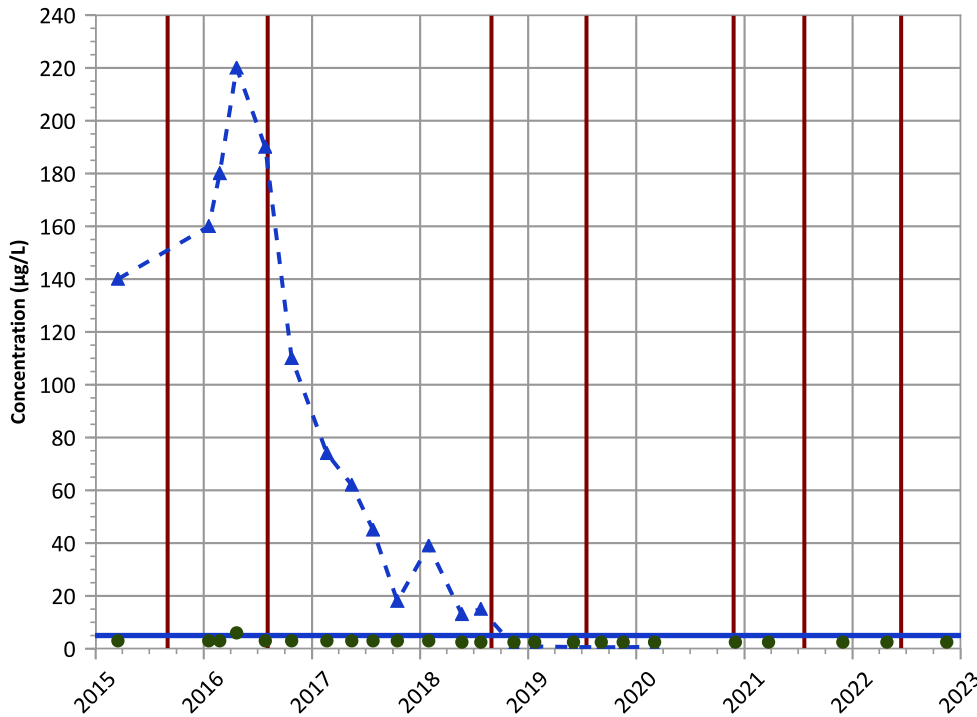


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Trichloroethene Trend

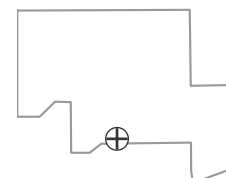


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

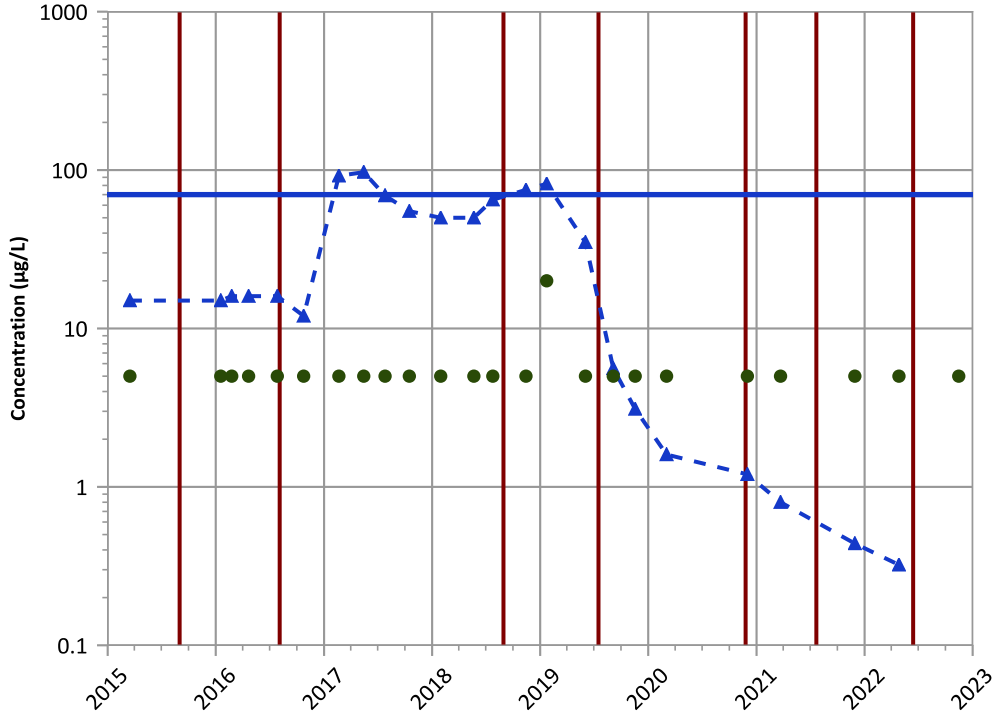


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend

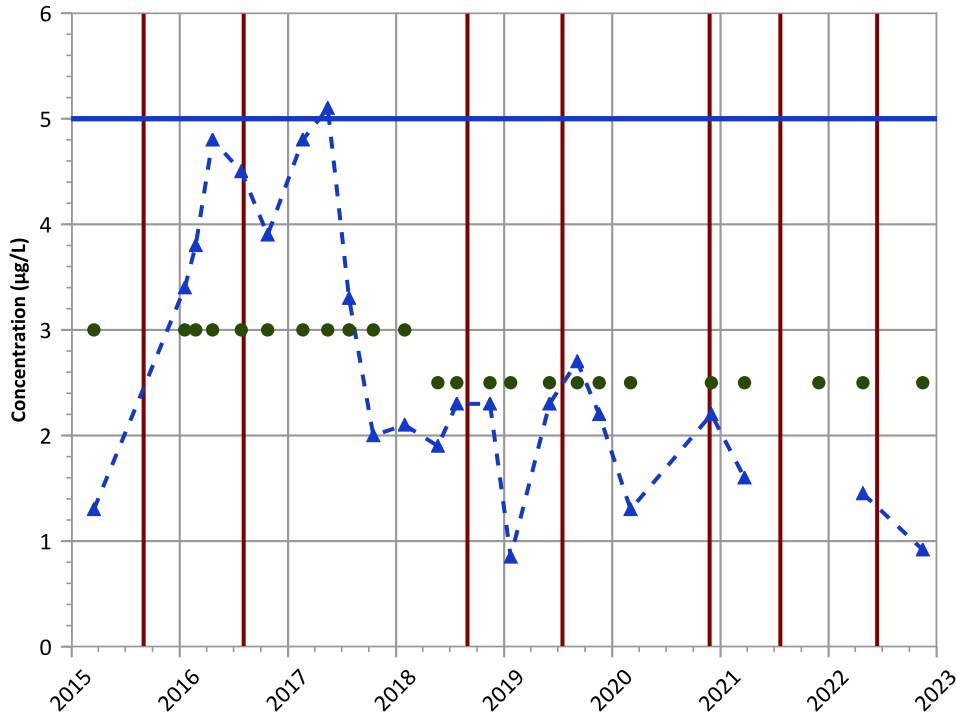


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

1,2-Dichloroethane Trend

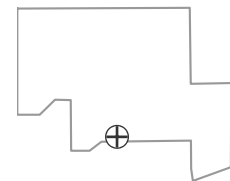


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Well Location

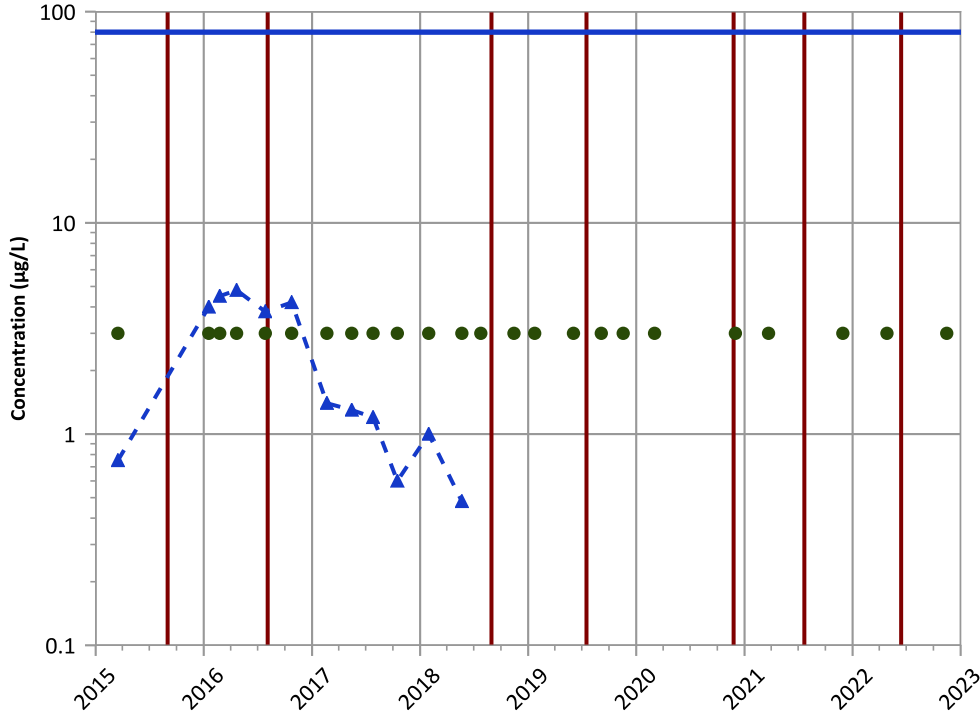


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

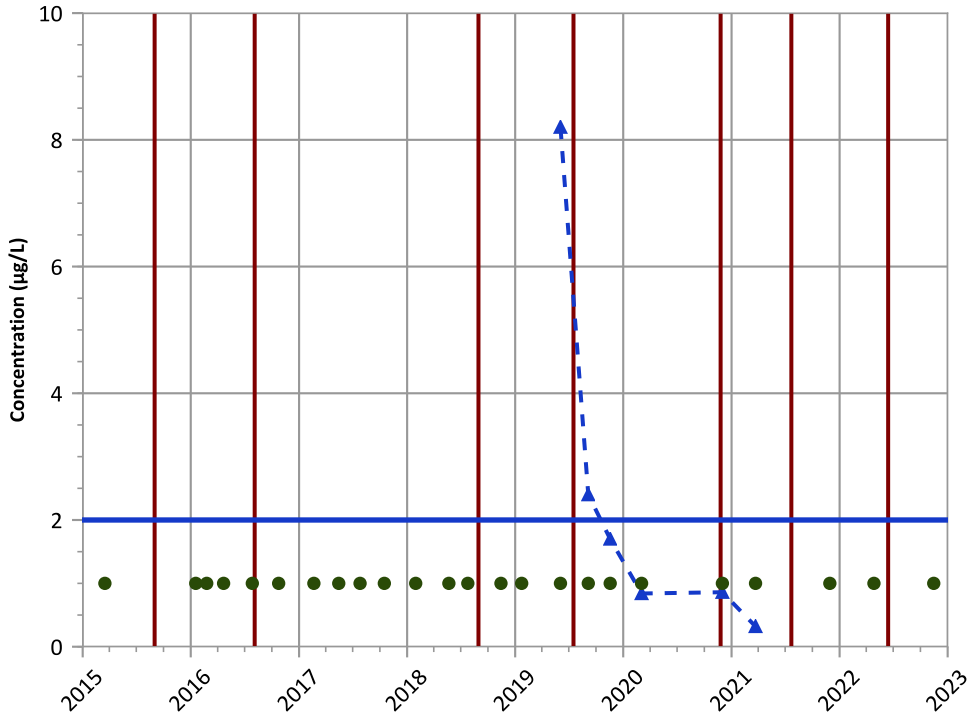


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Vinyl Chloride Trend

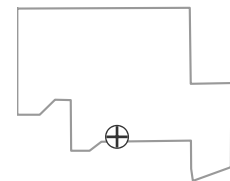


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Well Location

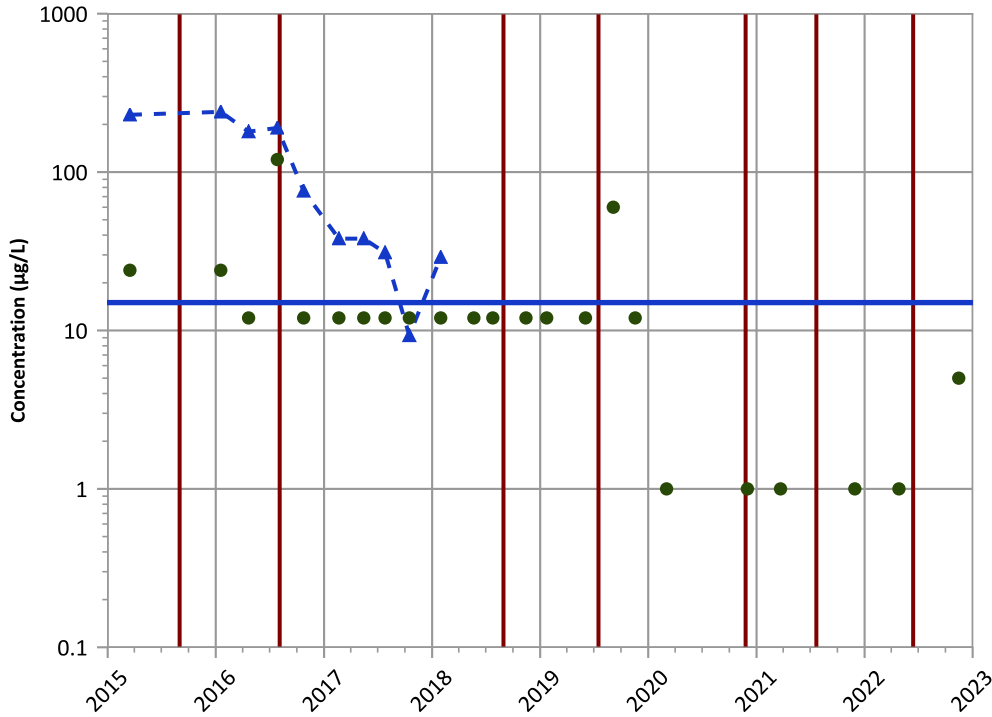


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

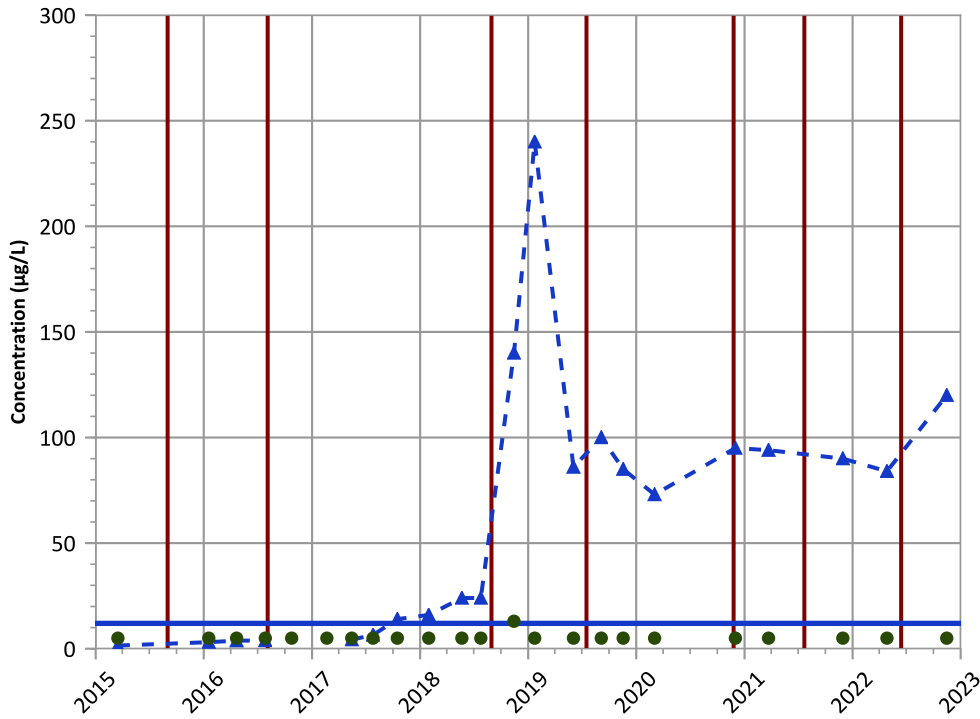


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Arsenic Trend

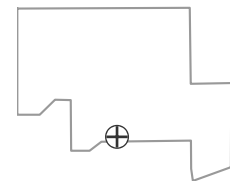


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

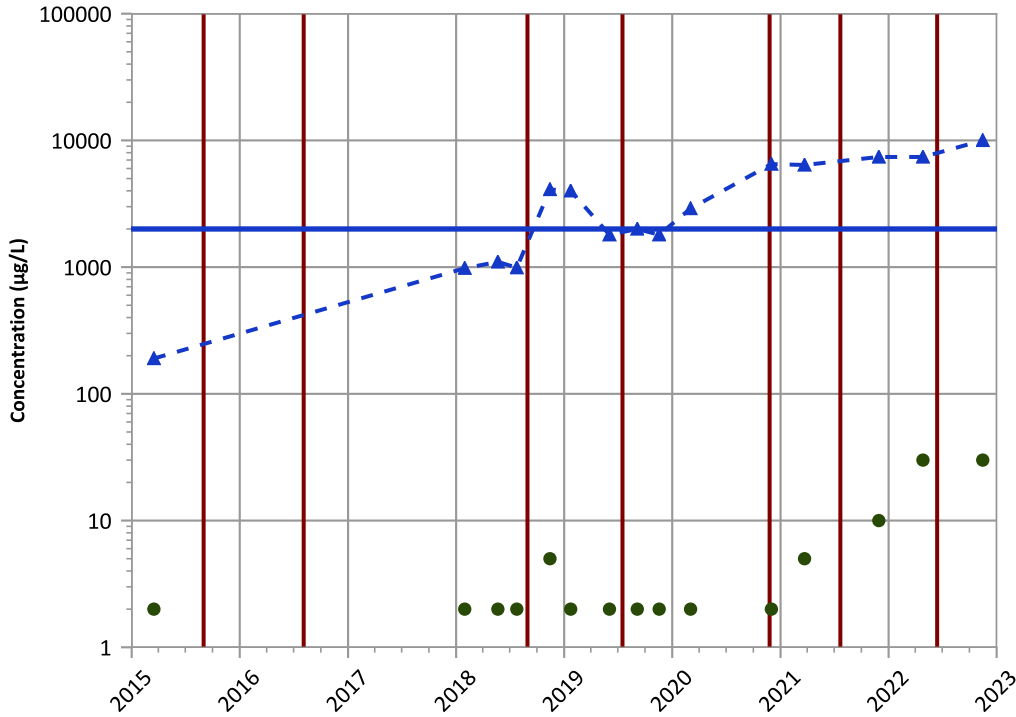


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

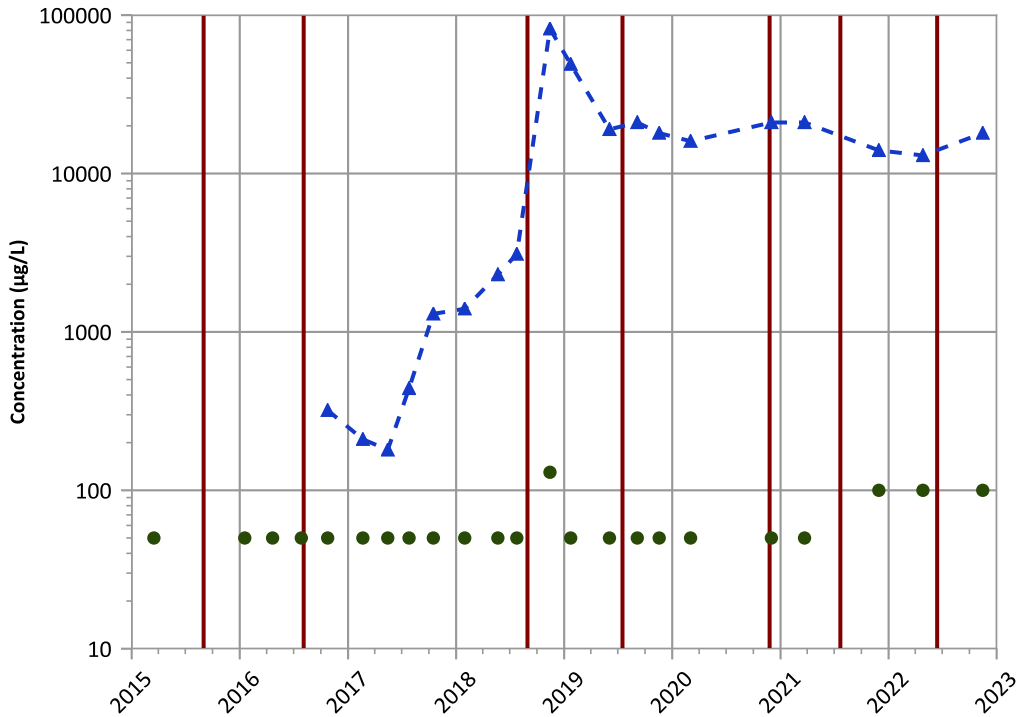


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

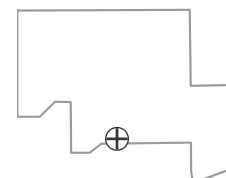
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/15/2022  
Analysis Date: 04/24/2023

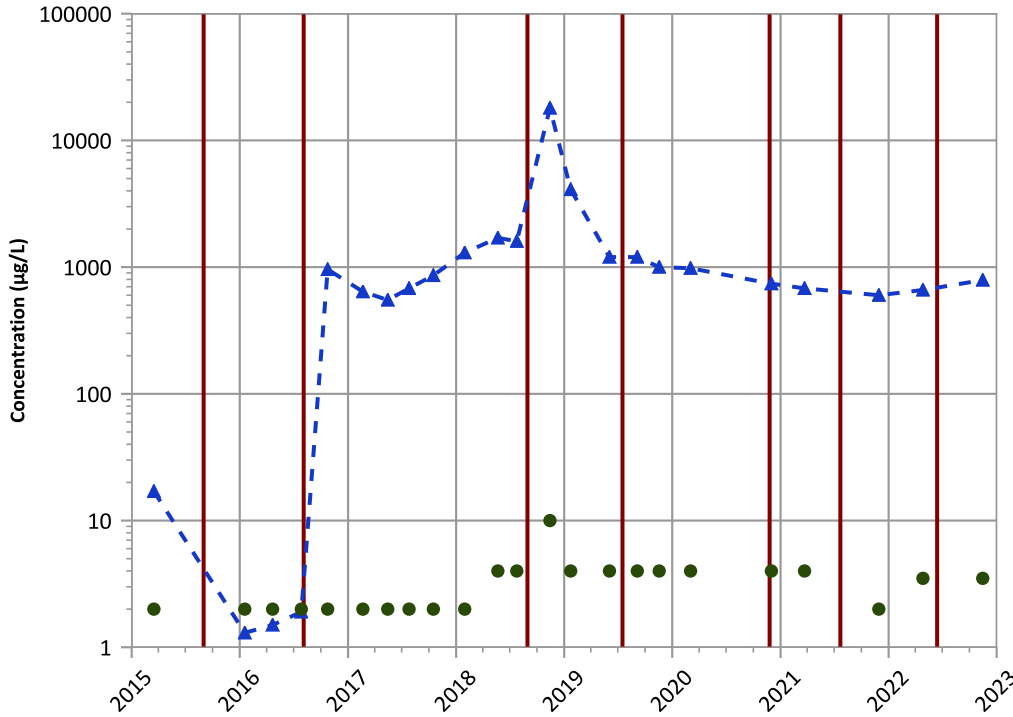
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

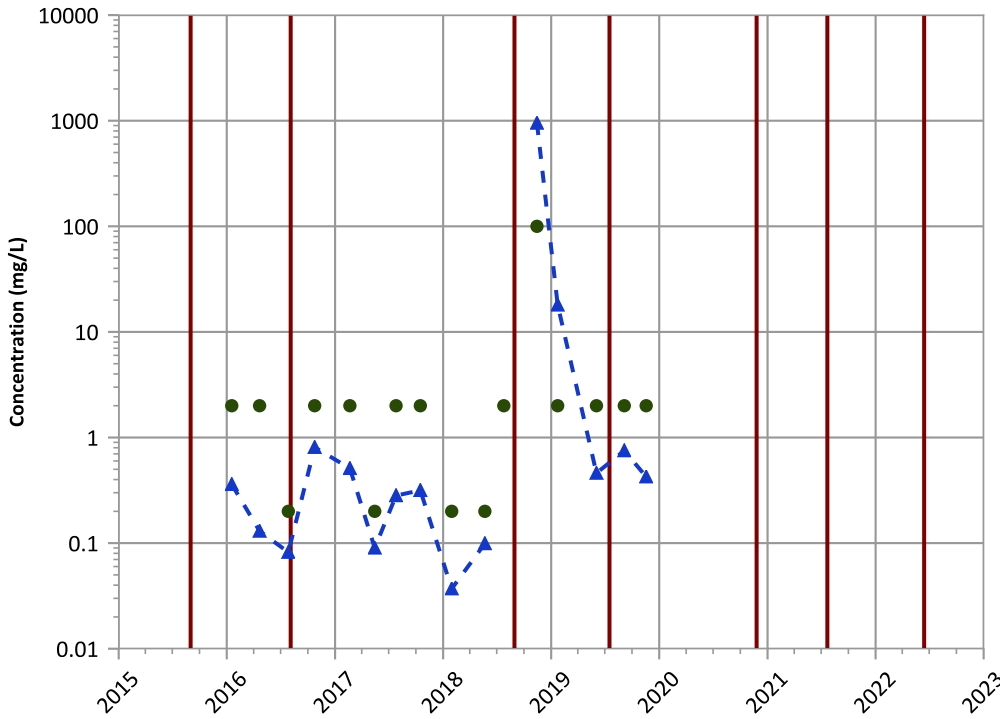


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Total Volatile Fatty Acids Trend

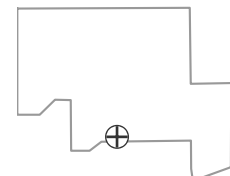


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Well Location

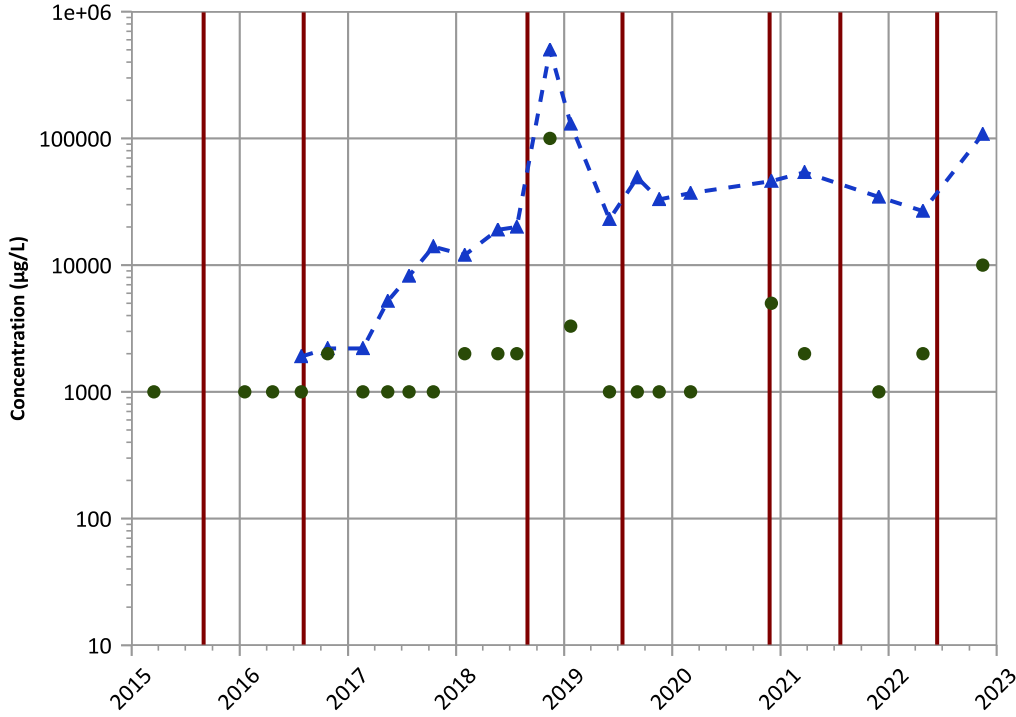


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

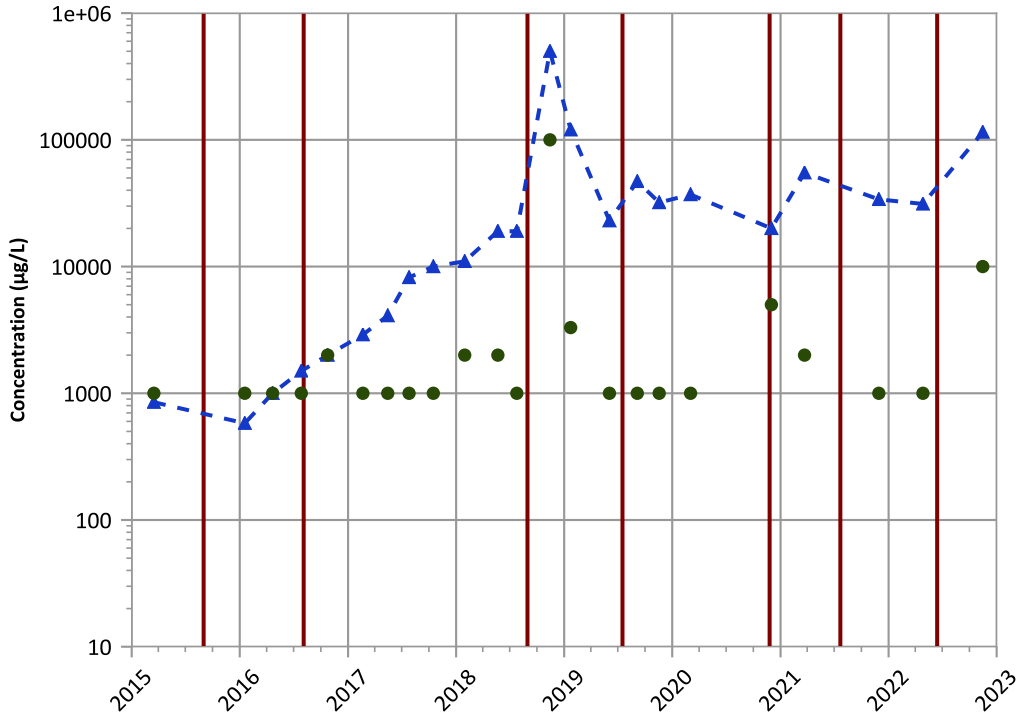
PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



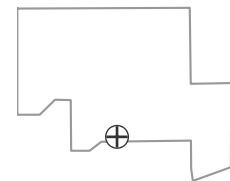
**Concentration Trend**  
 MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 Stable  
 MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 No Trend

Dissolved Organic Carbon (DOC) Trend



**Concentration Trend**  
 MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 Stable  
 MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 No Trend

Well Location

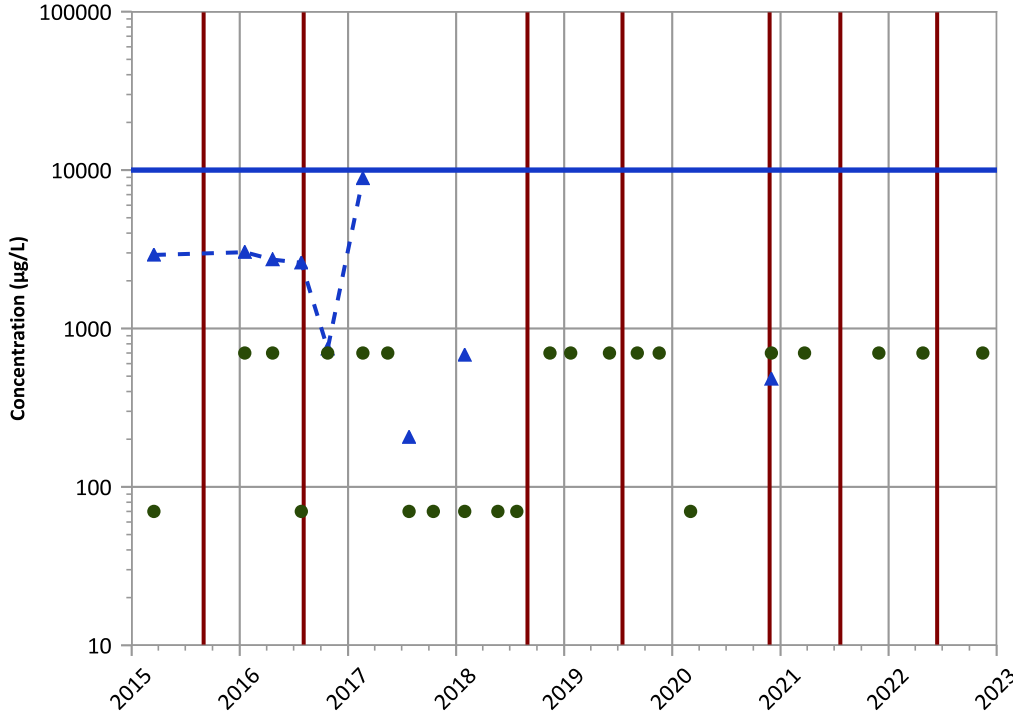


Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/17/2015 to 11/15/2022  
 Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1176 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

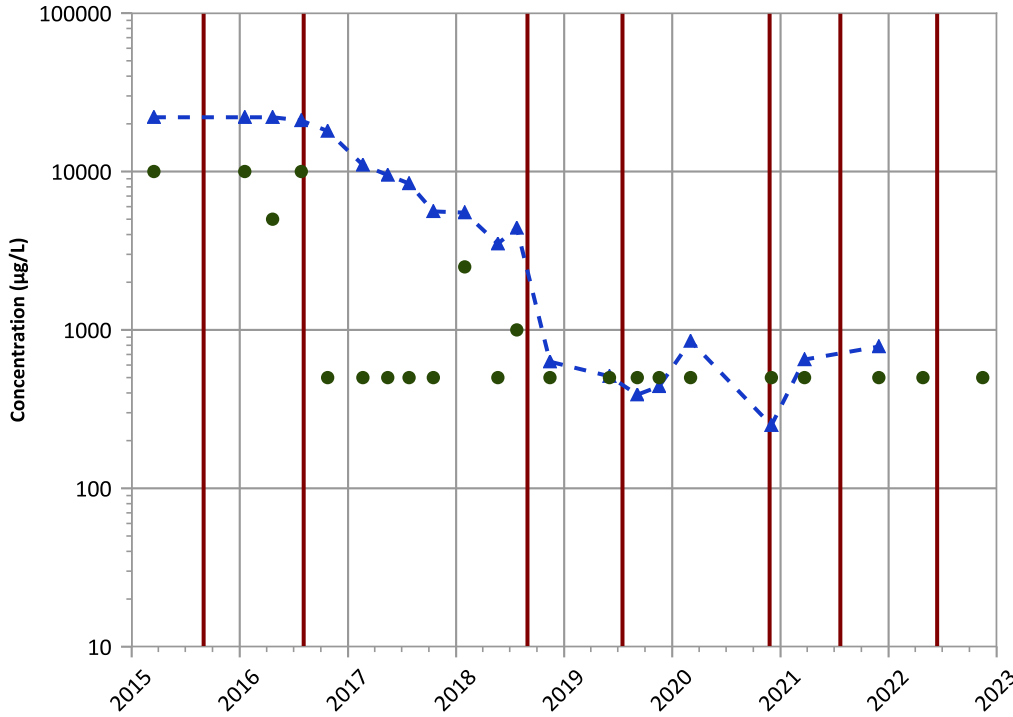


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Sulfate (as SO4) Trend

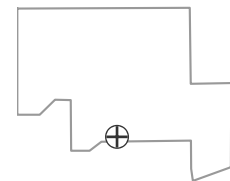


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

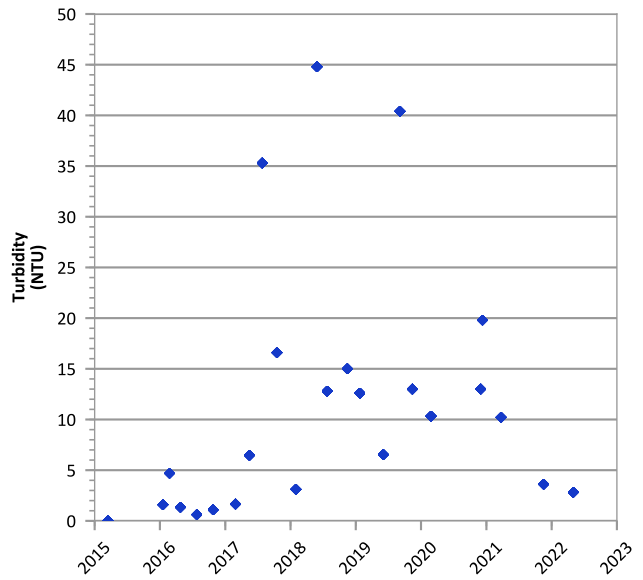
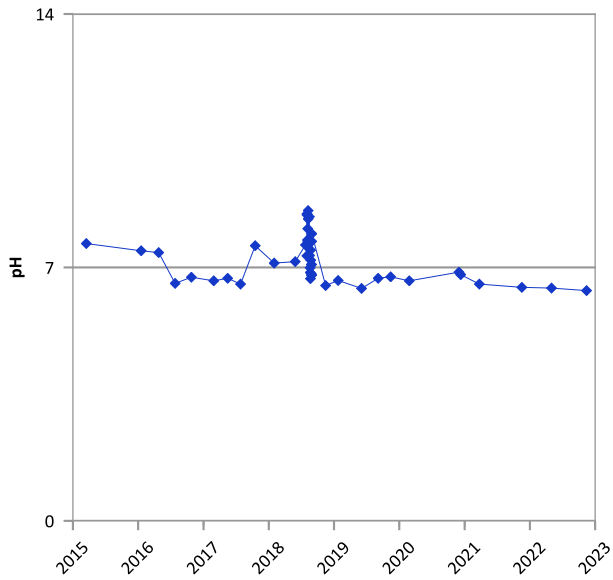
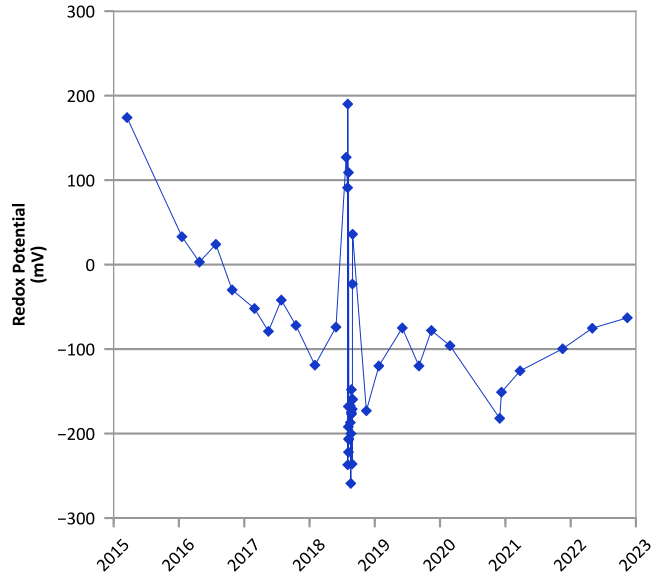
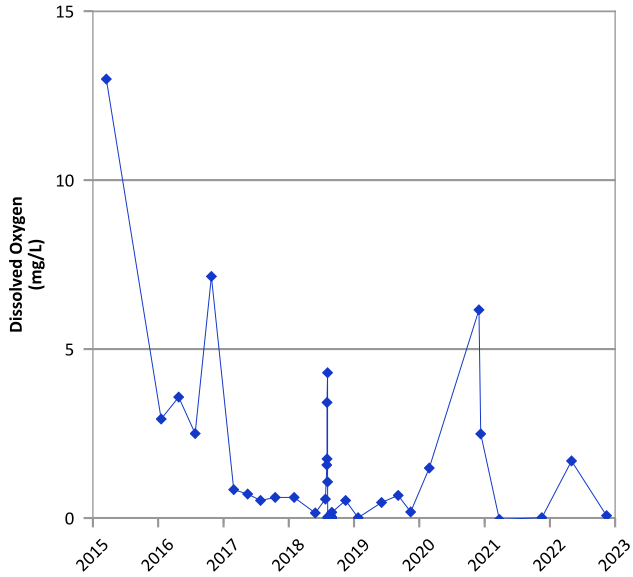


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

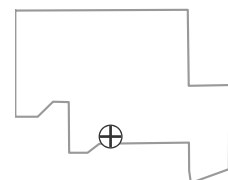


**PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**

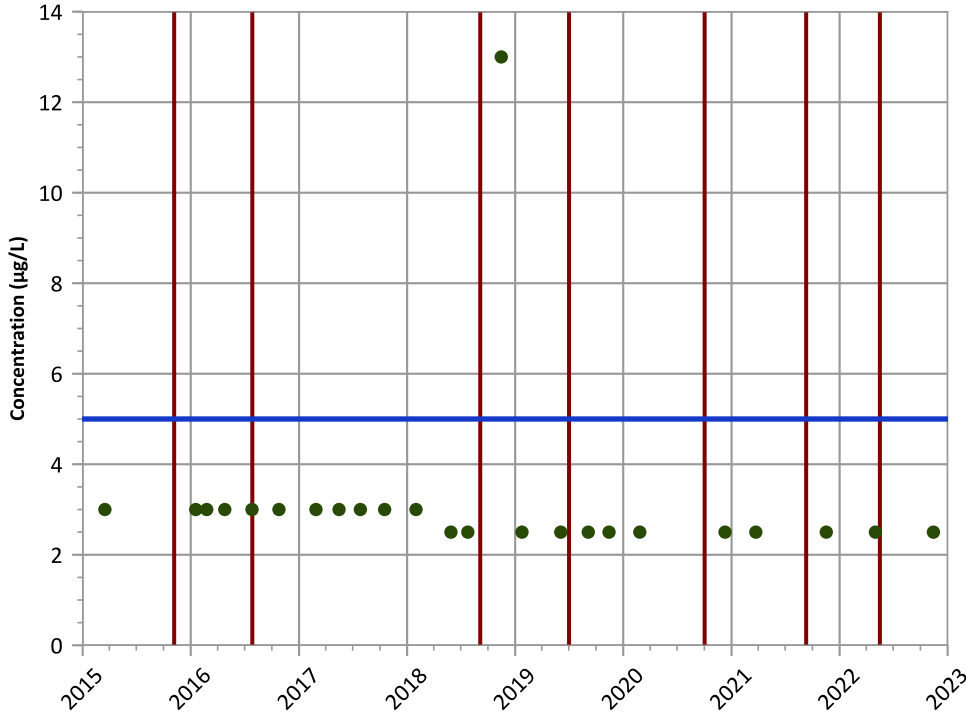


Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/17/2015 to 11/14/2022  
 Analysis Date: 04/24/2023

**Well Location**



## PTX06-1177 in Perched Aquifer USDOE/NNSA Pantex Plant Tetrachloroethylene (PCE) Trend

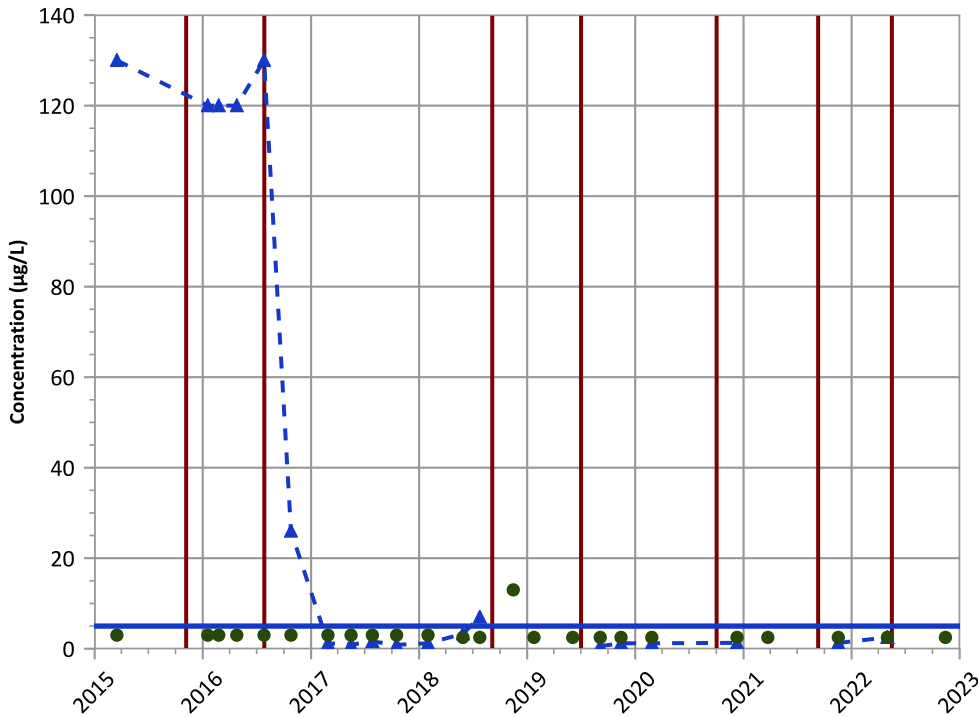


### Concentration Trend

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

## Trichloroethene Trend



### Concentration Trend

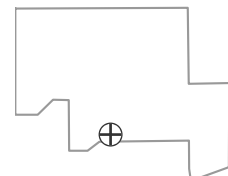
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

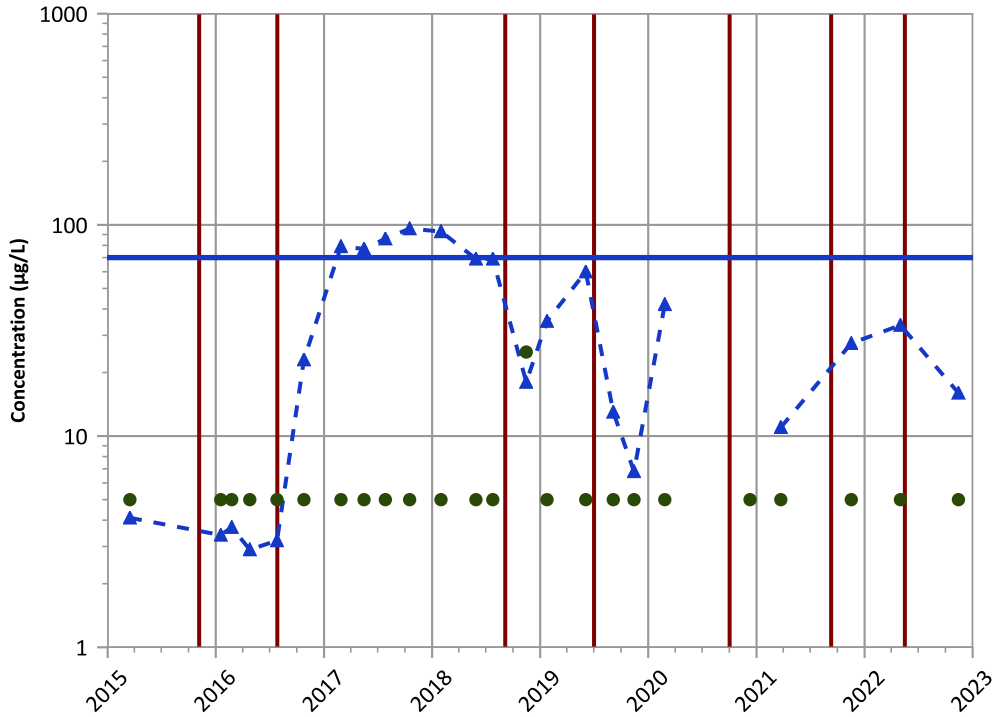
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/17/2015 to 11/14/2022  
 Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- | Injection Dates

### Well Location



PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend

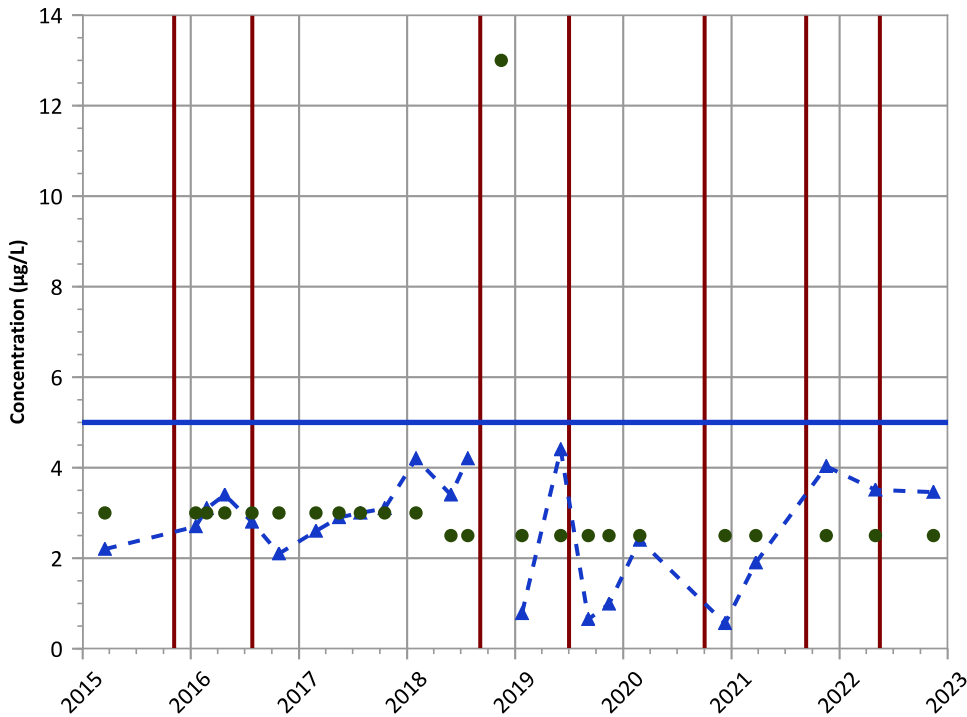


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

1,2-Dichloroethane Trend



Concentration Trend

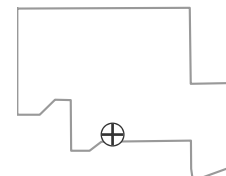
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/14/2022  
Analysis Date: 04/24/2023

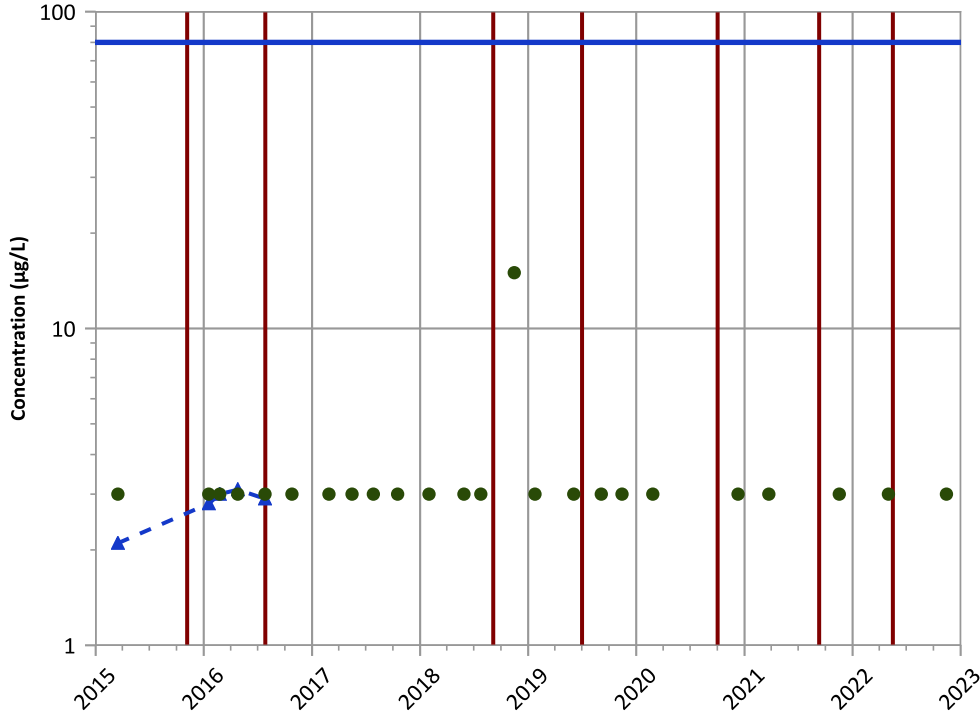
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

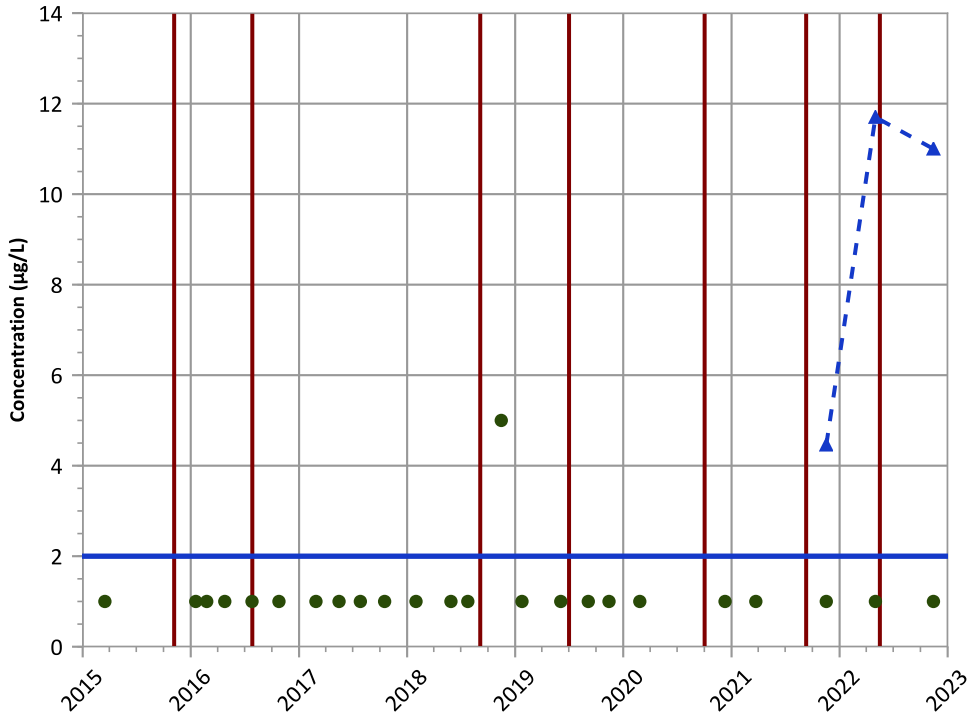


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Vinyl Chloride Trend

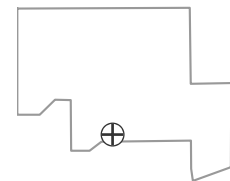


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

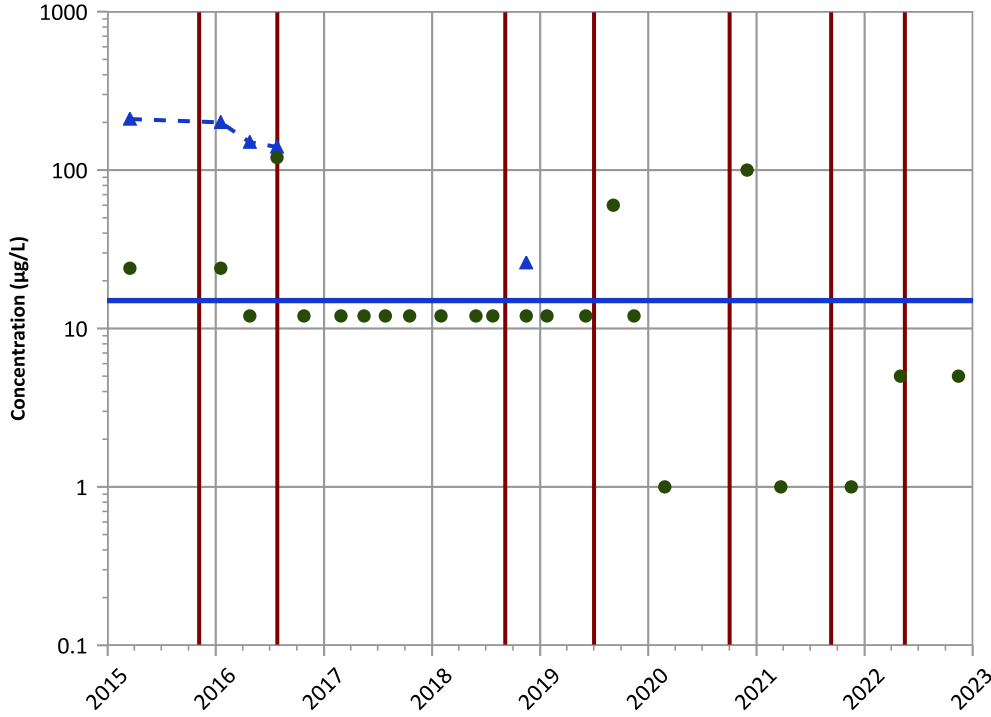


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

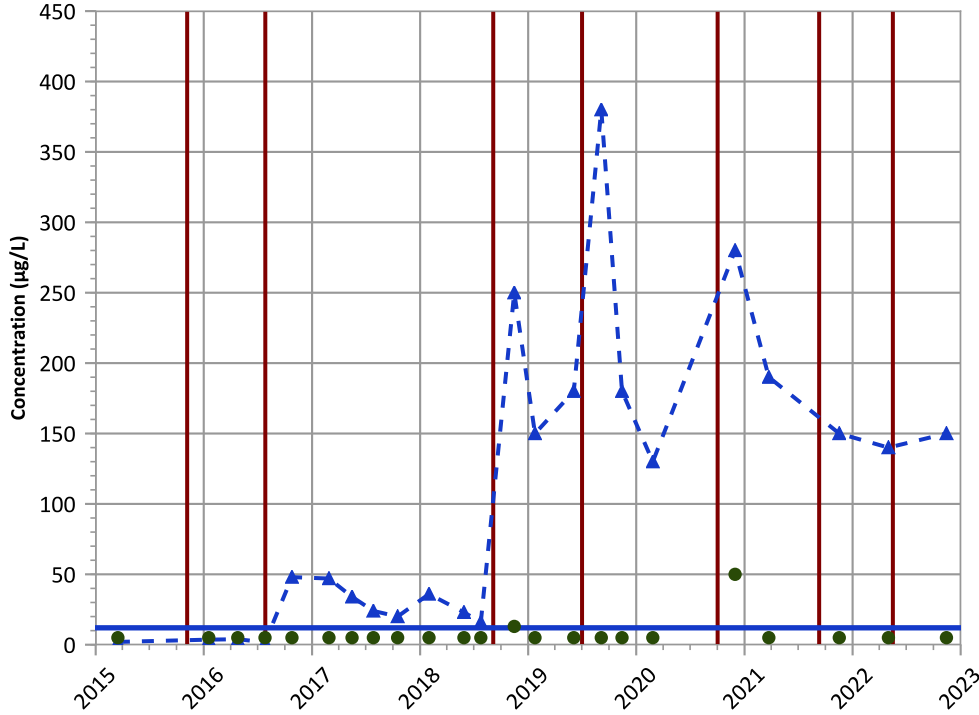


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Arsenic Trend



Concentration Trend

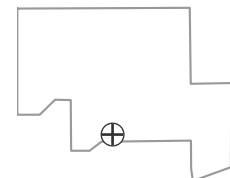
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/14/2022  
Analysis Date: 04/24/2023

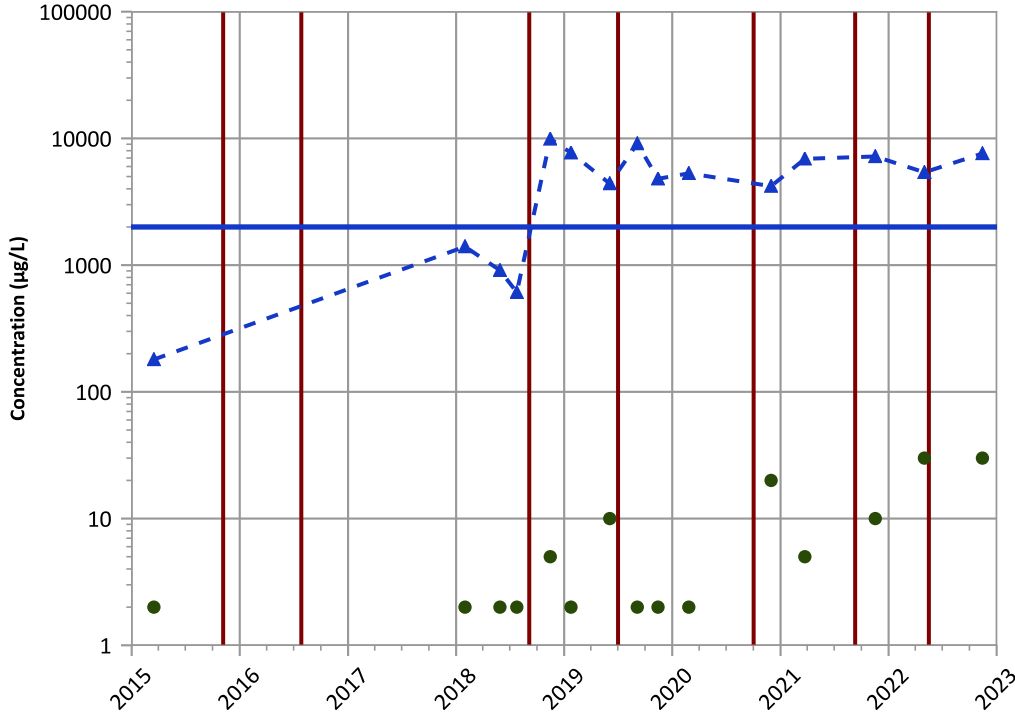
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

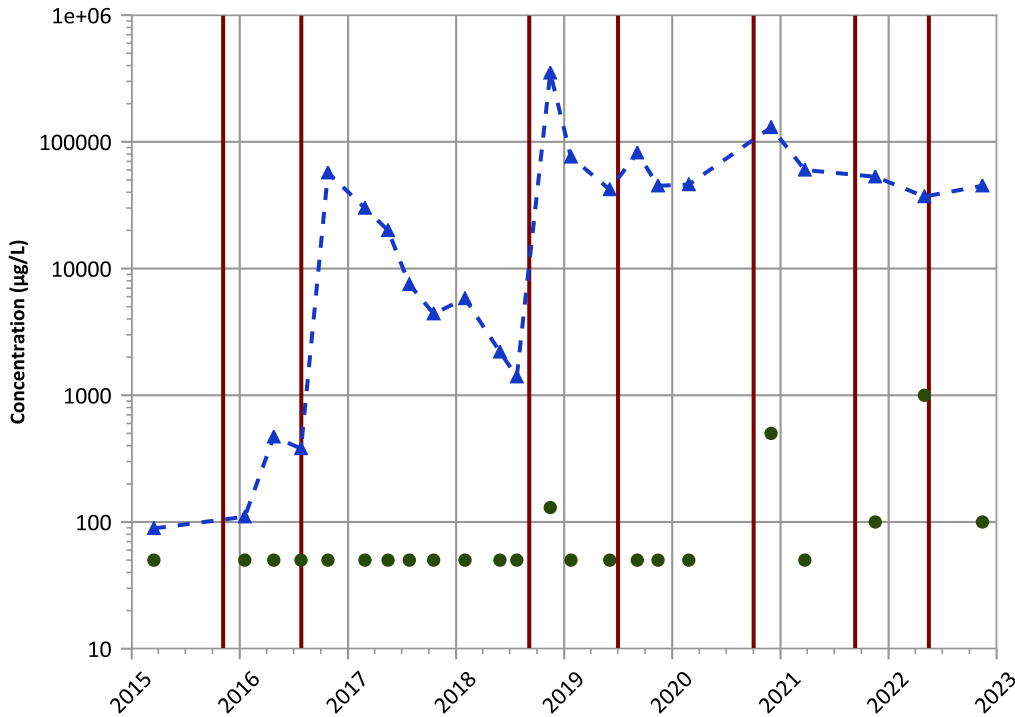


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Iron Trend



Concentration Trend

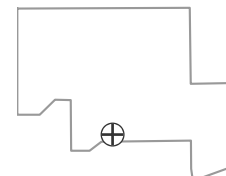
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/14/2022  
Analysis Date: 04/24/2023

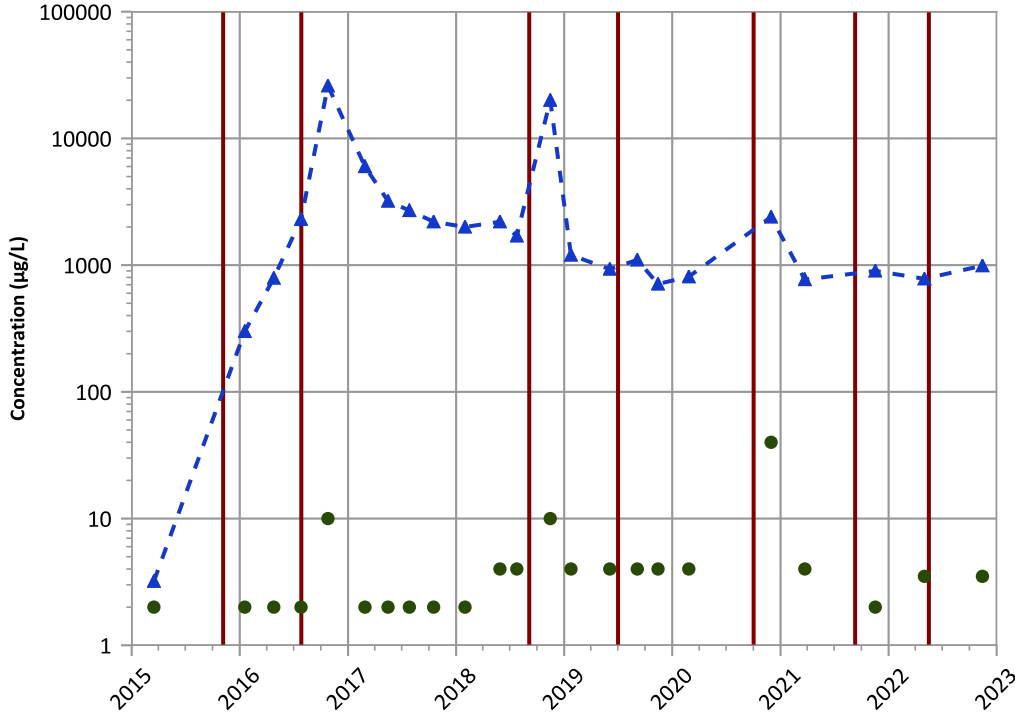
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

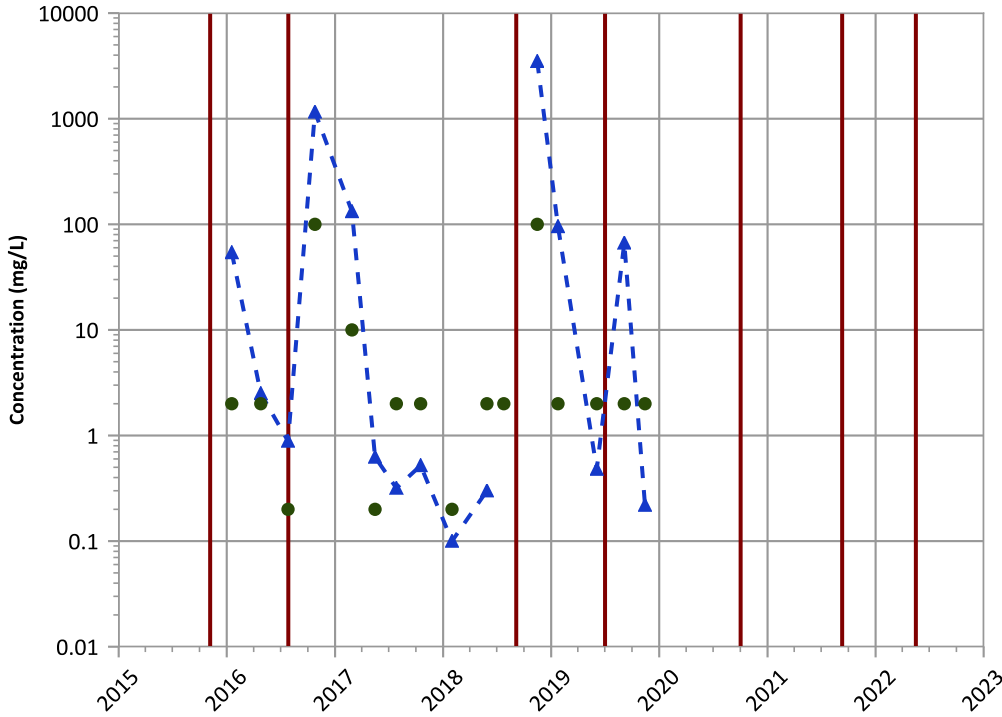


PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant

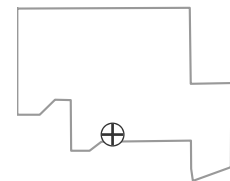
Manganese Trend



Total Volatile Fatty Acids Trend



Well Location

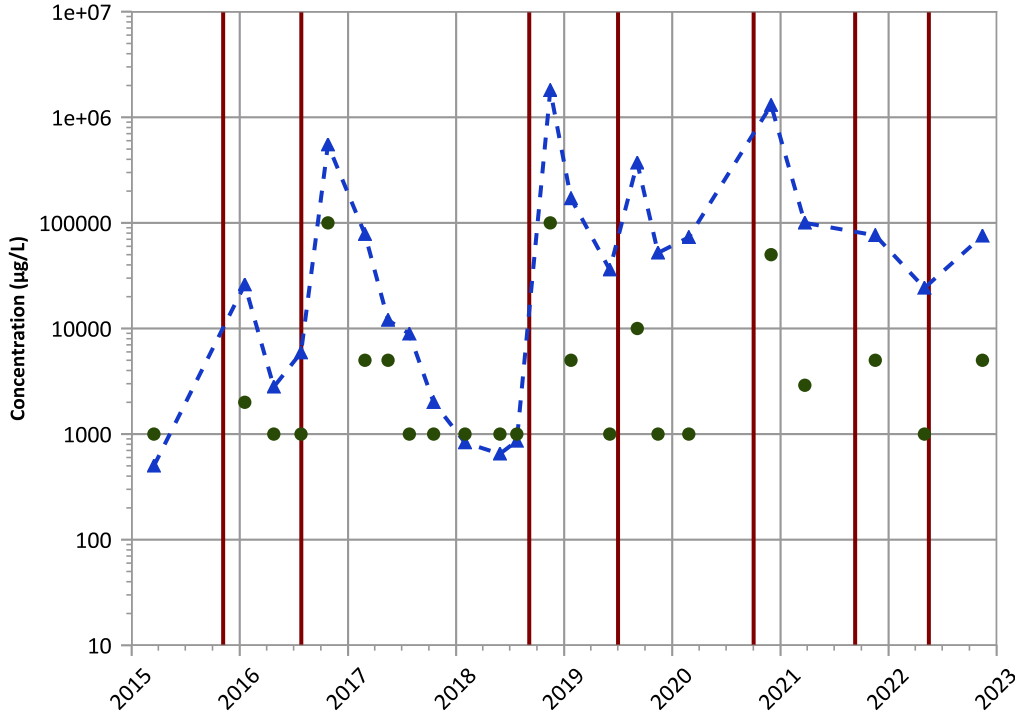


Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/17/2015 to 11/14/2022  
 Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

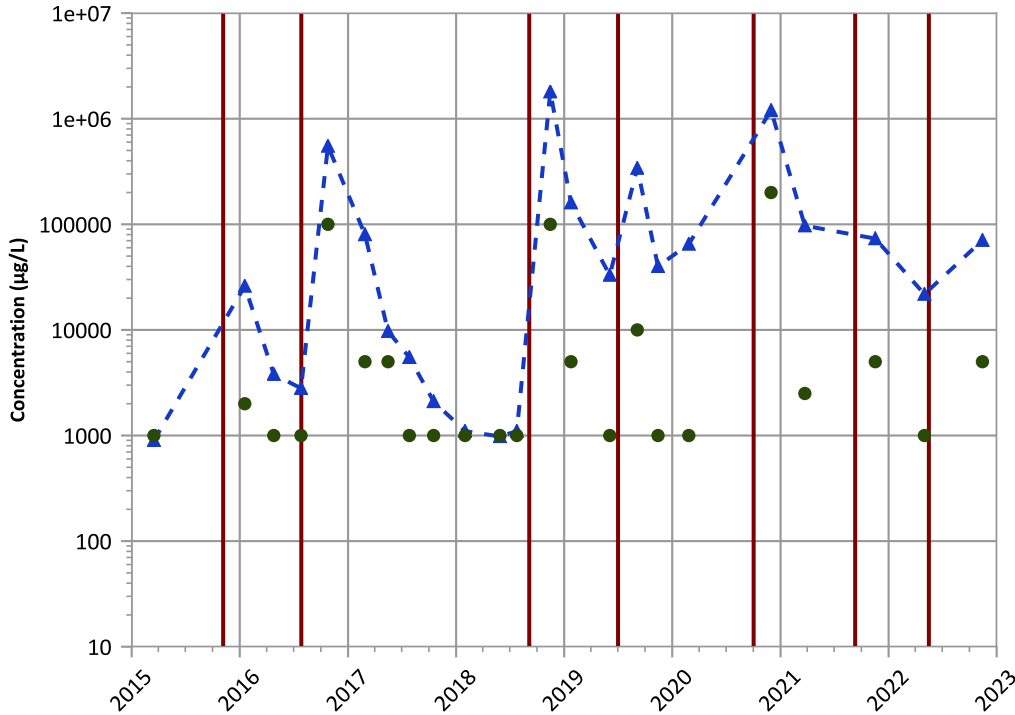


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Dissolved Organic Carbon (DOC) Trend

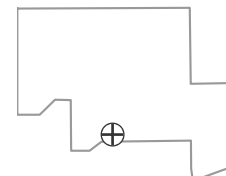


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Well Location



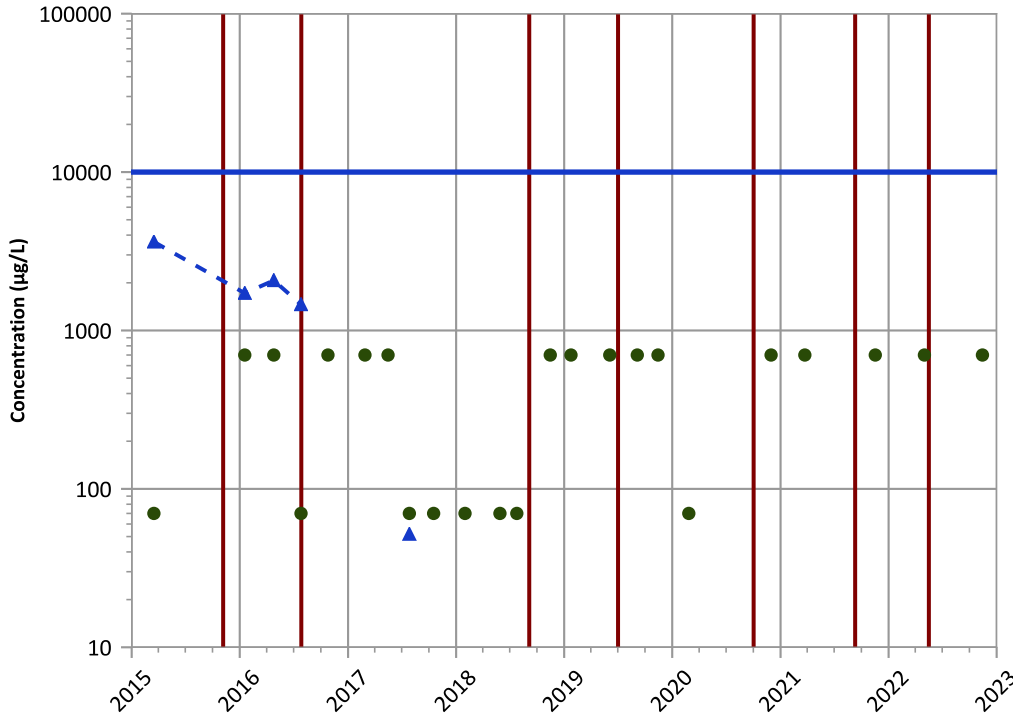
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/14/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-1177 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

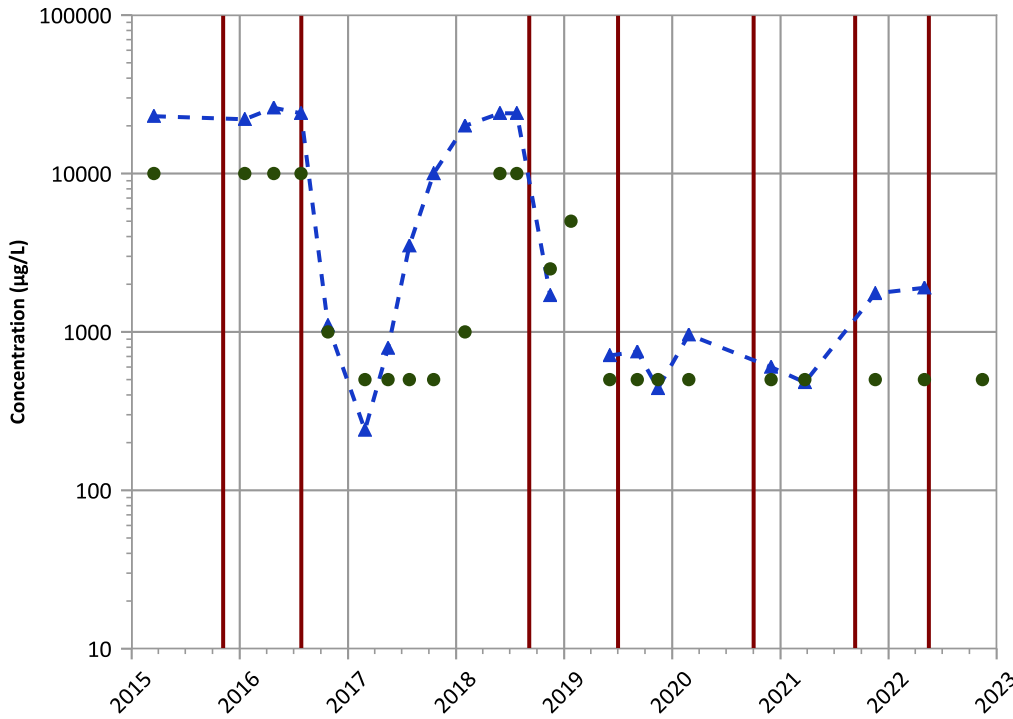


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Sulfate (as SO4) Trend

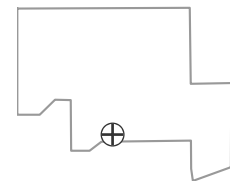


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

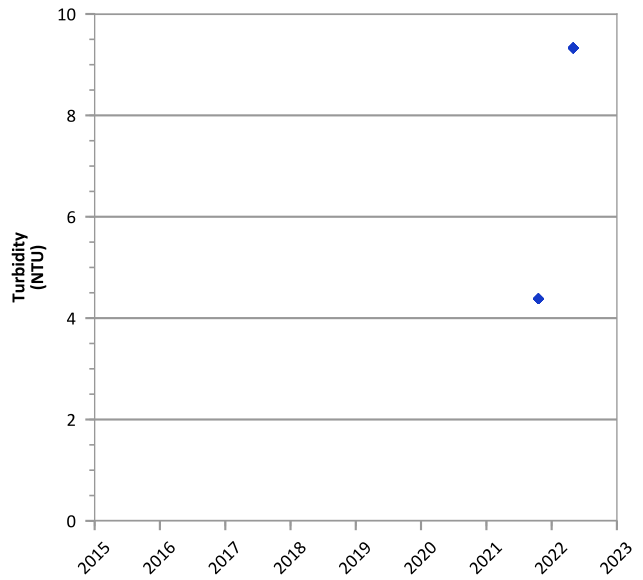
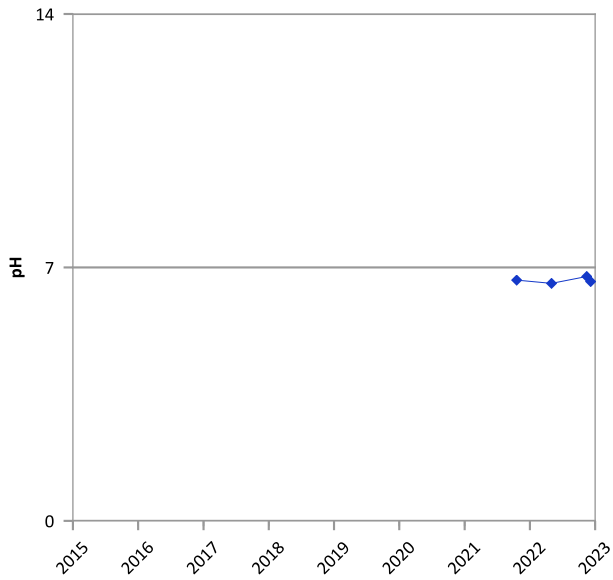
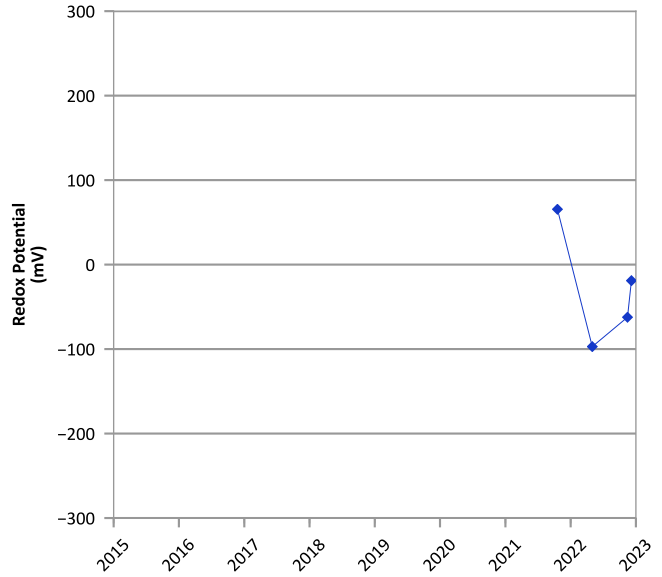
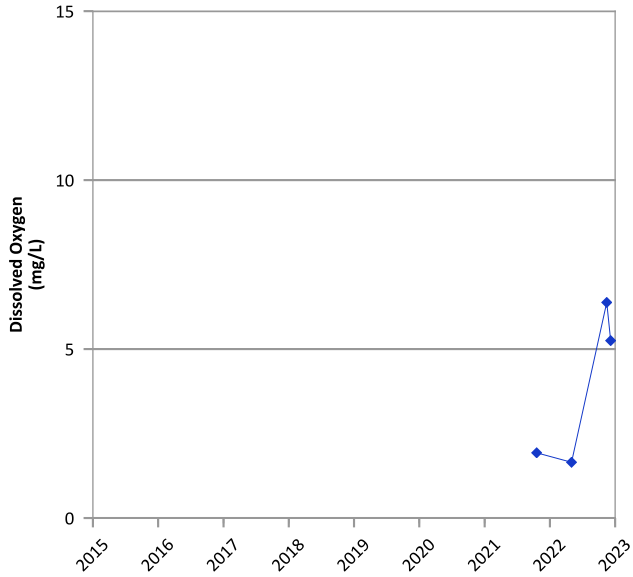
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/17/2015 to 11/14/2022  
Analysis Date: 04/24/2023

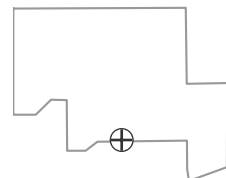
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



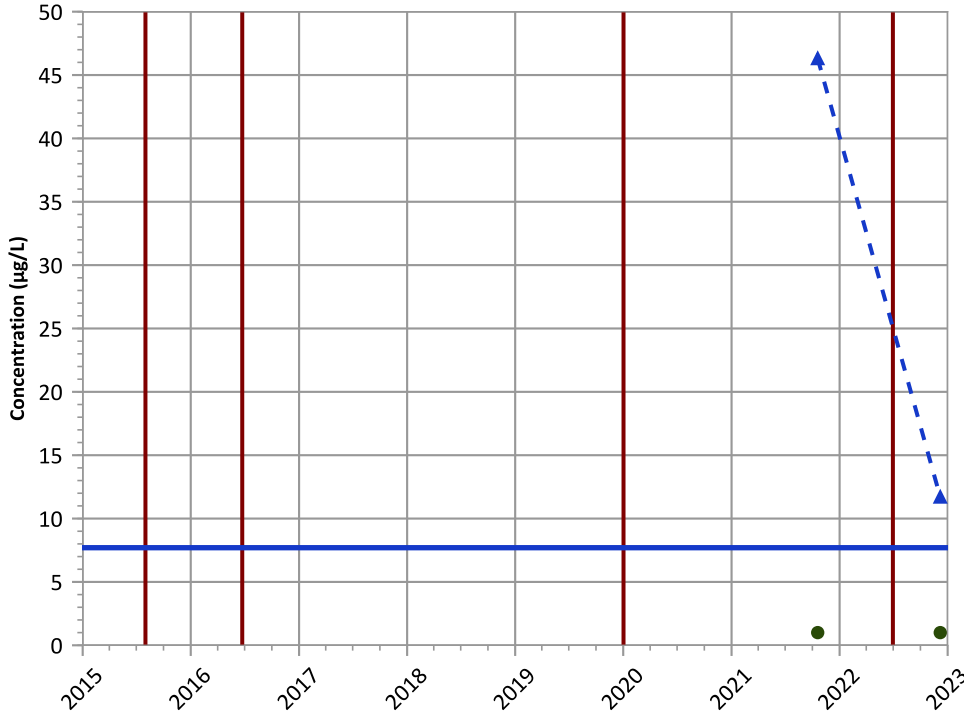
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 10/19/2021 to 12/07/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

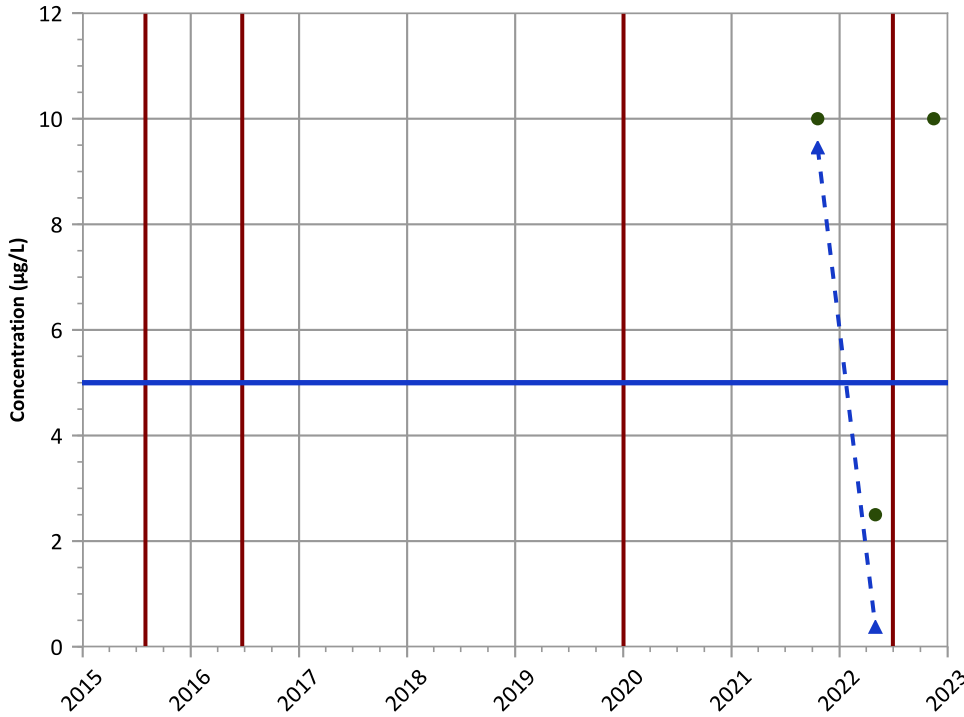
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

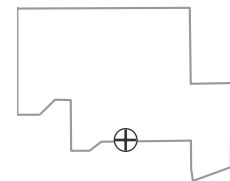
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

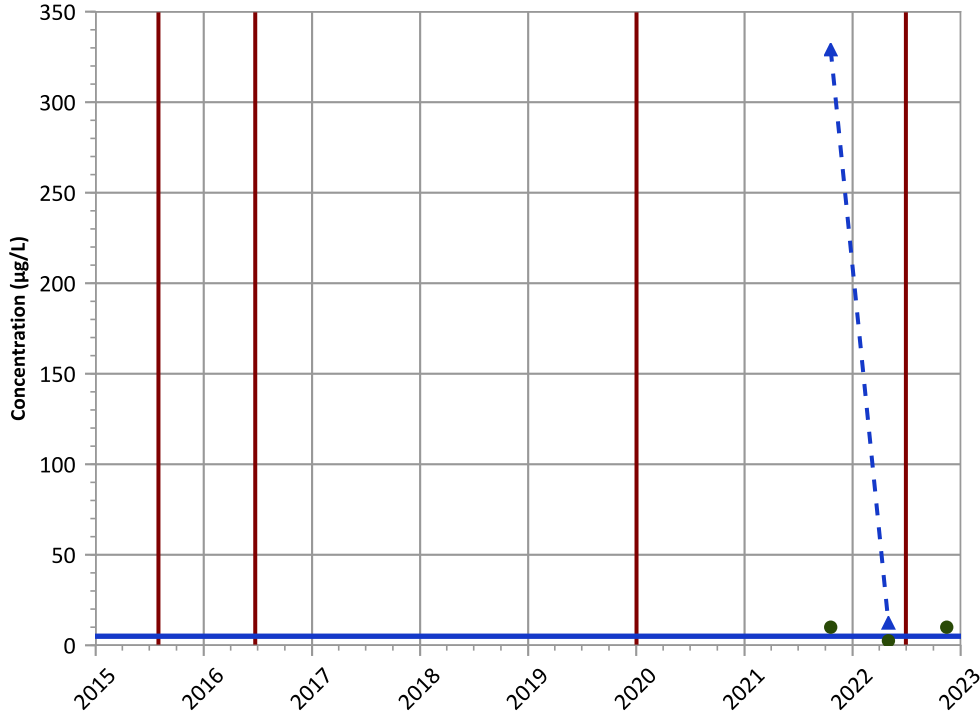


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

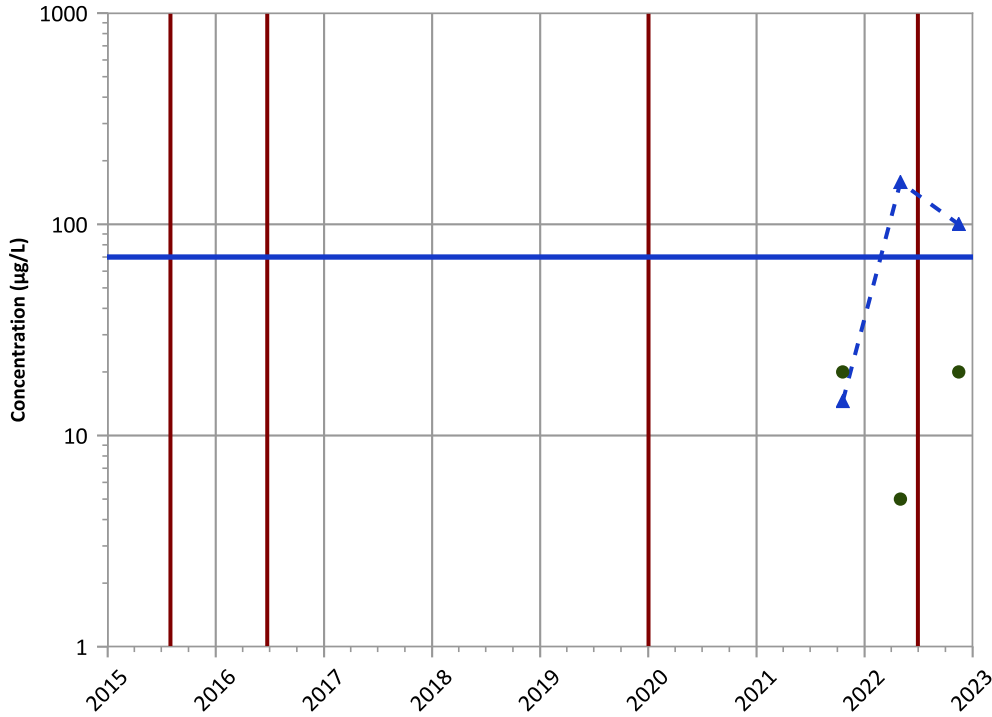
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

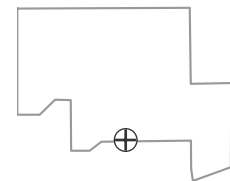
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

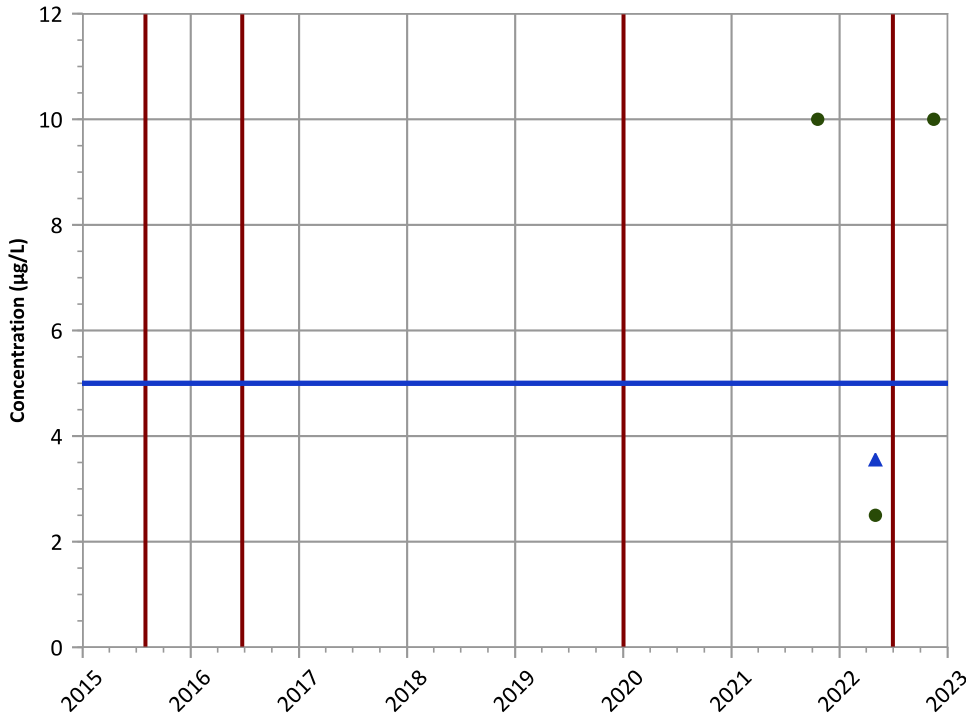
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

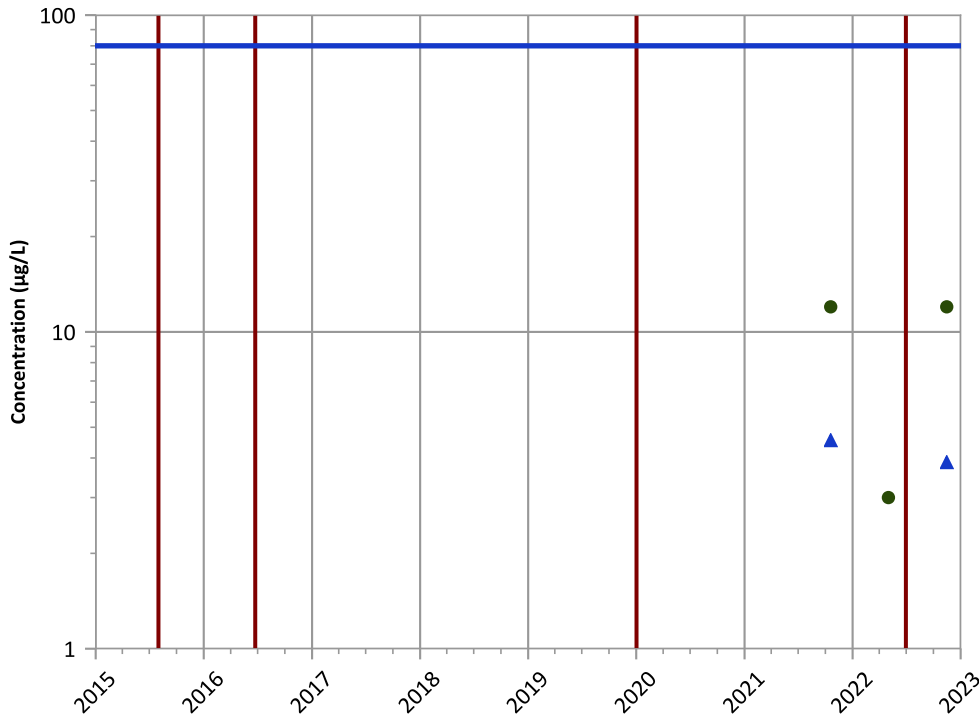


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chloroform Trend**

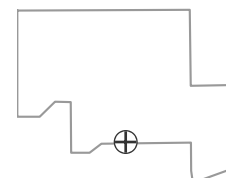


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

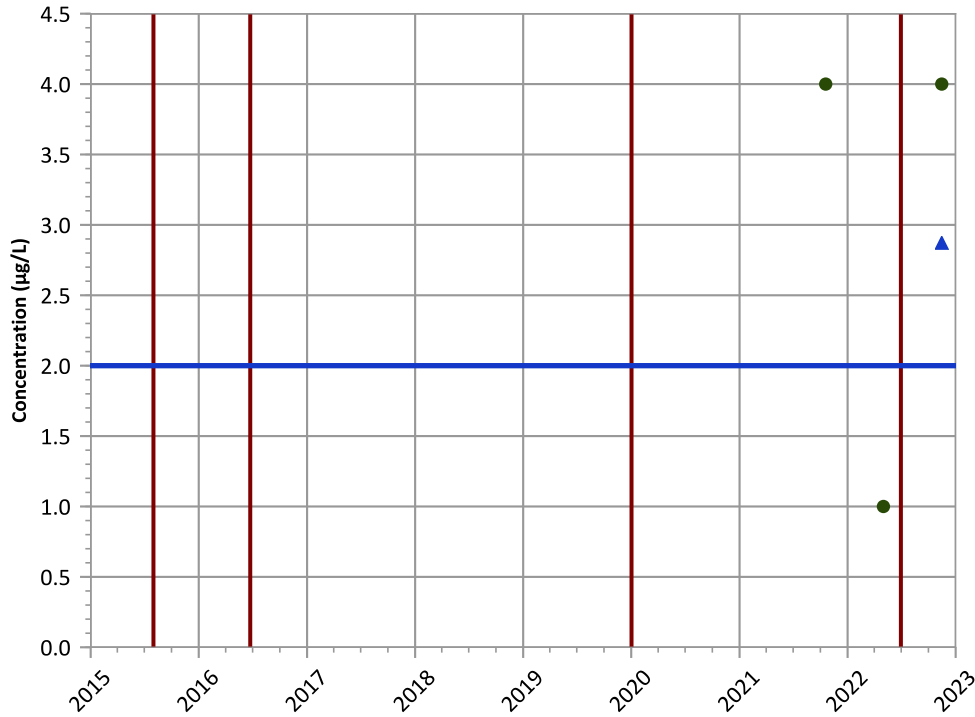
**Well Location**



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vinyl Chloride Trend**

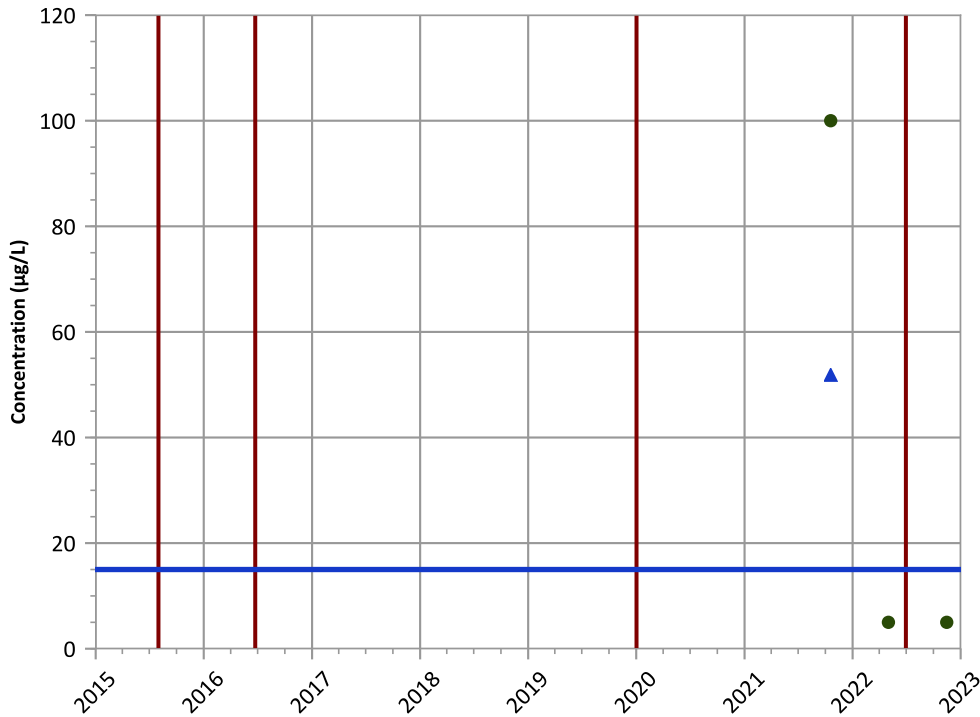


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Perchlorate Trend**

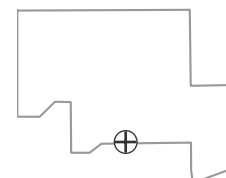


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

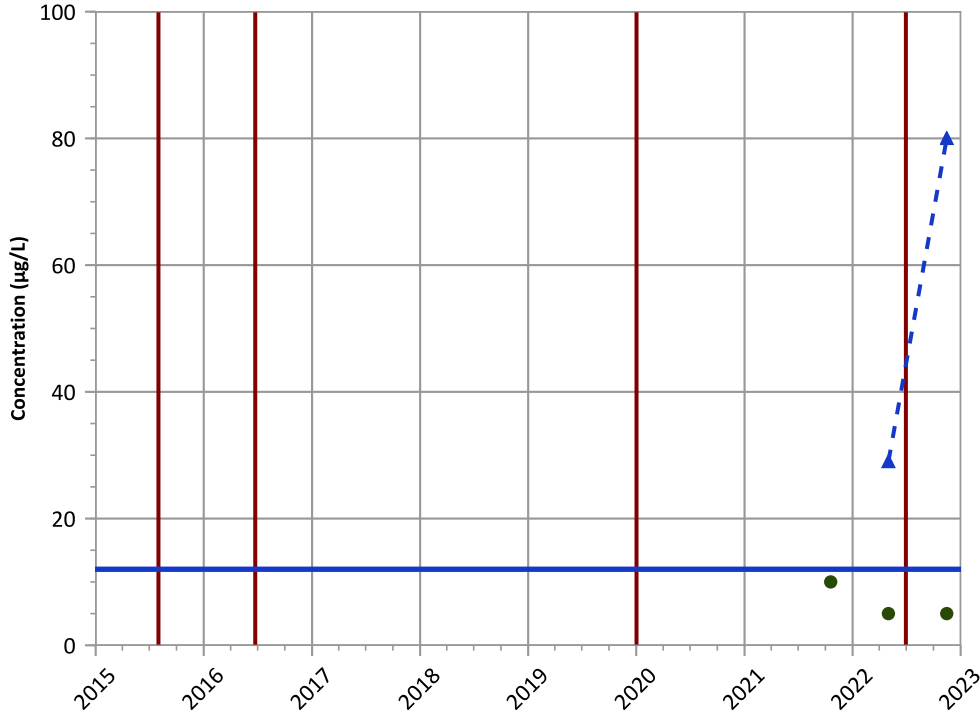


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

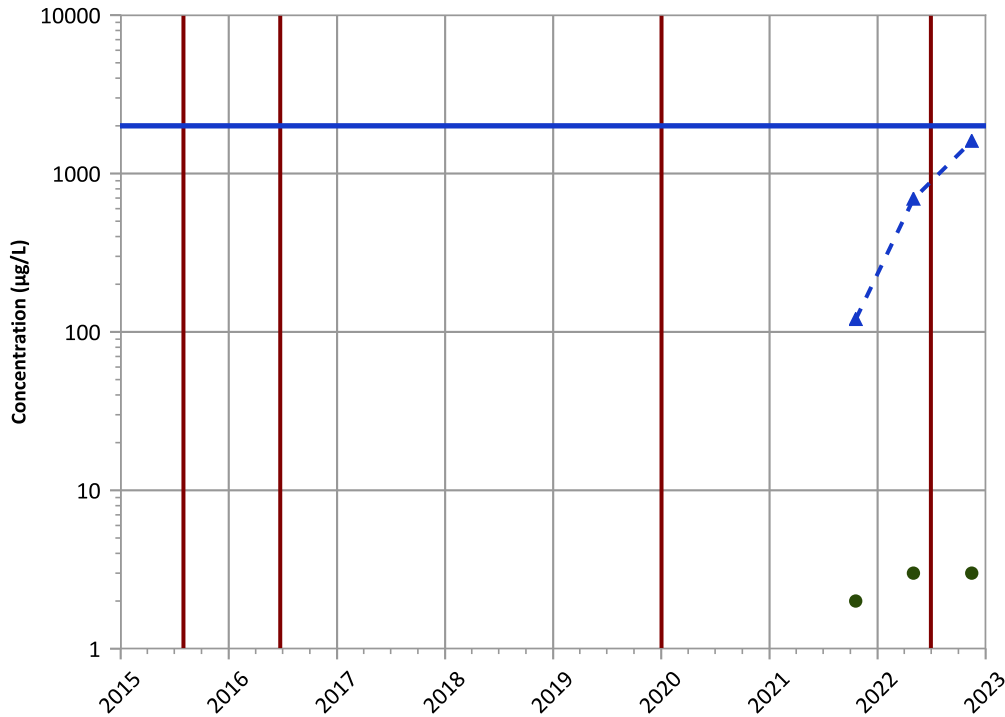


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Barium Trend

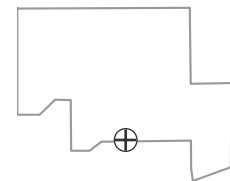


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

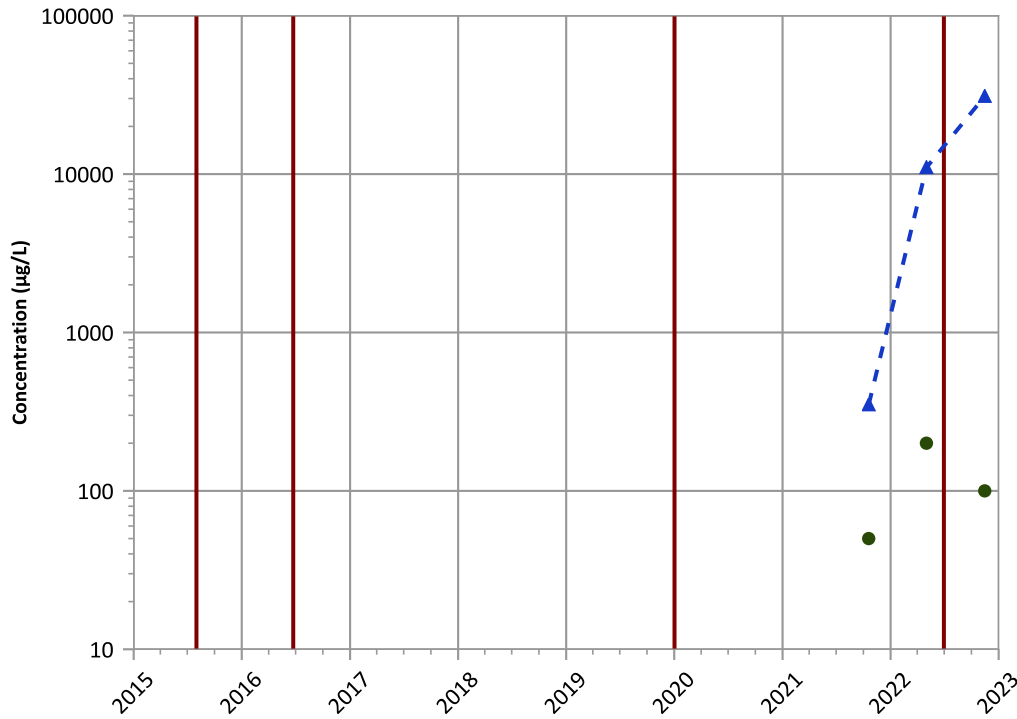


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

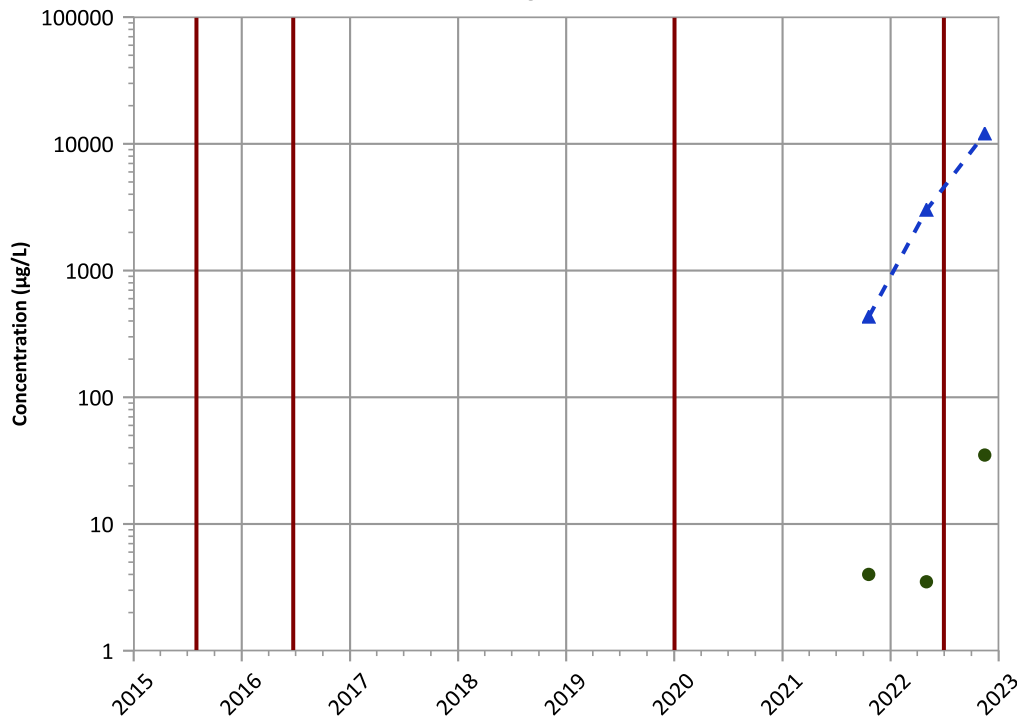
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

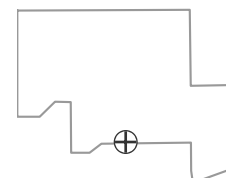
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location



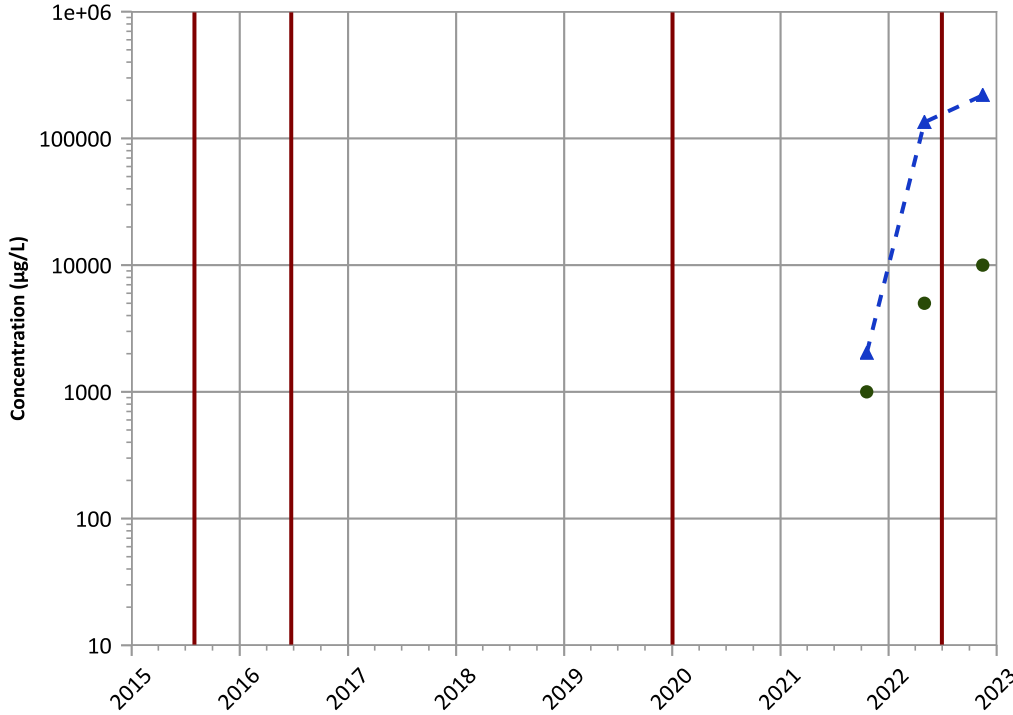
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

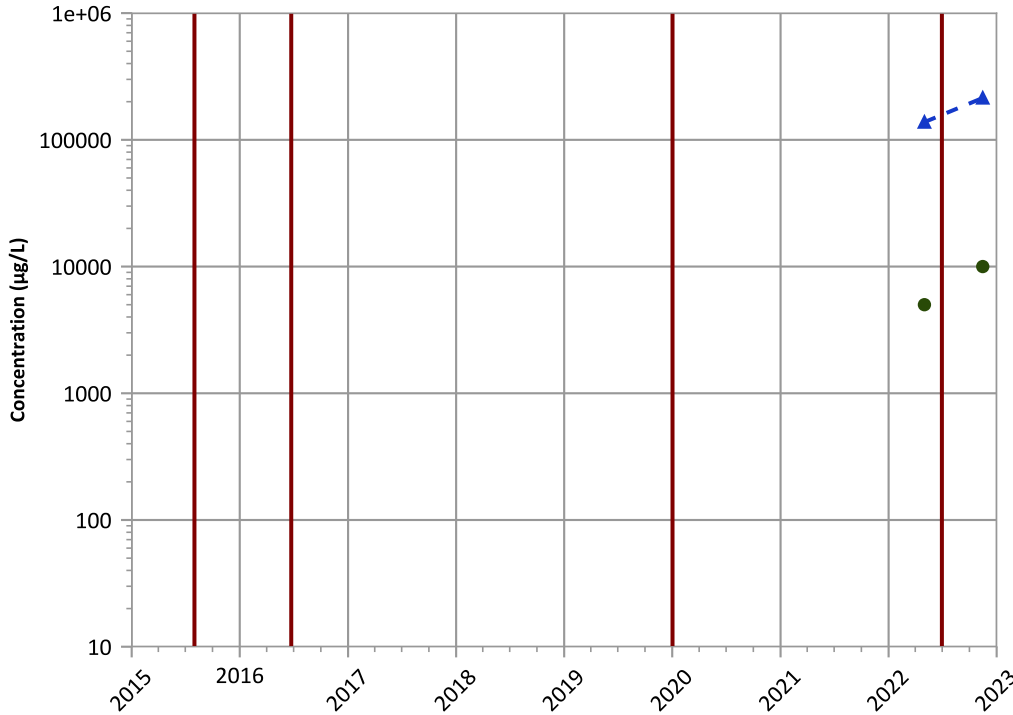
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Dissolved Organic Carbon (DOC) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

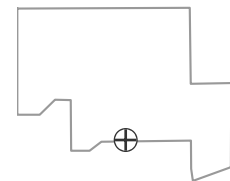
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

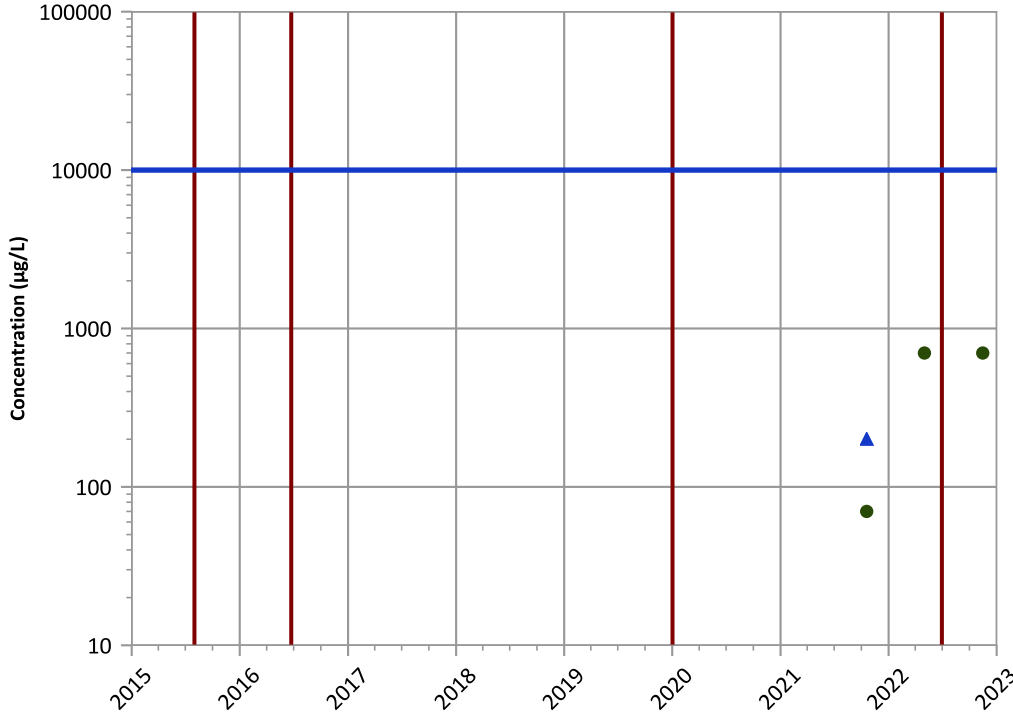


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1209 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

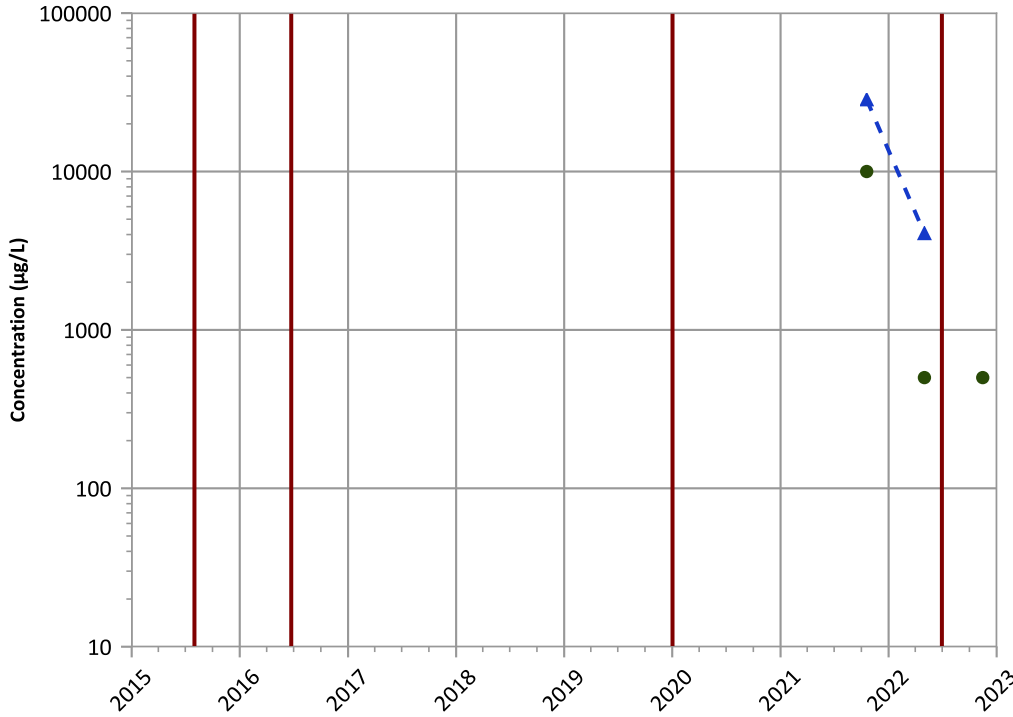


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sulfate (as SO4) Trend

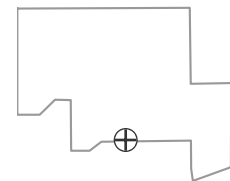


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

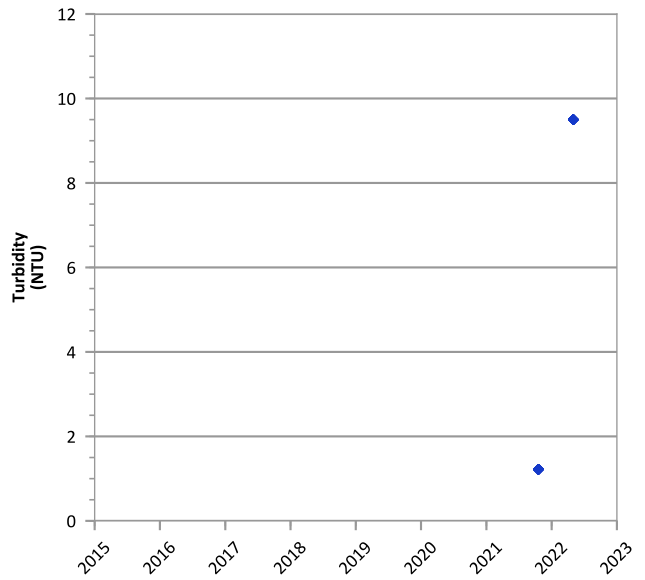
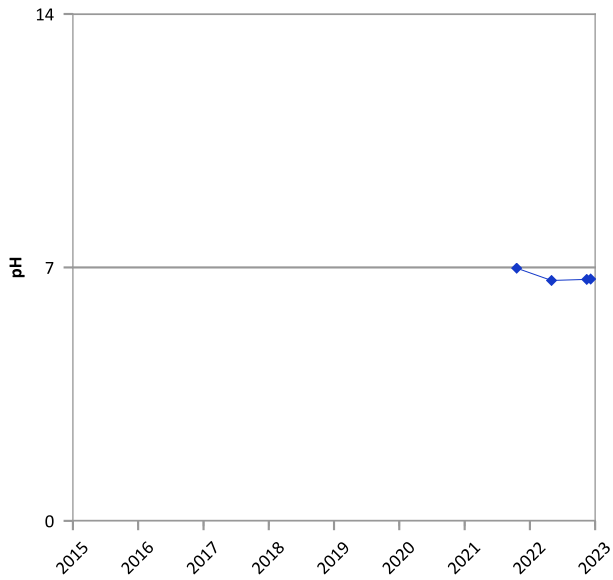
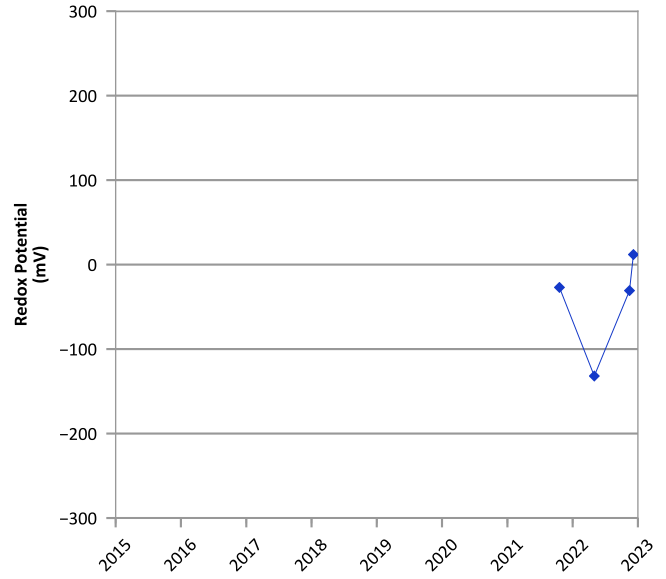
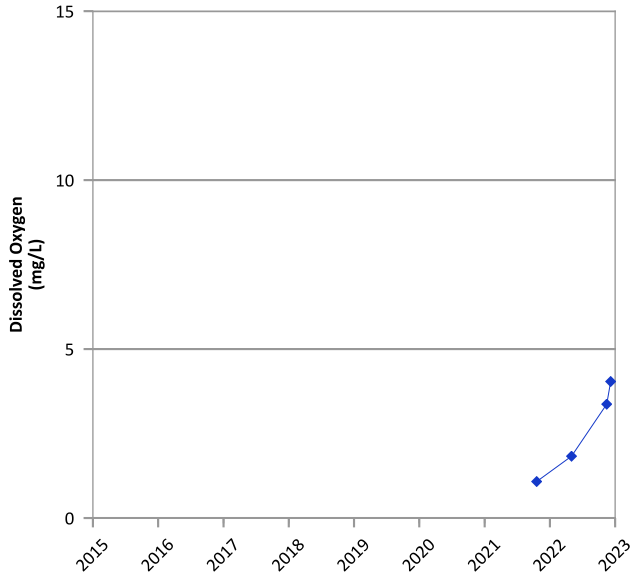
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

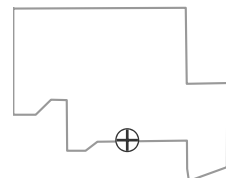
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



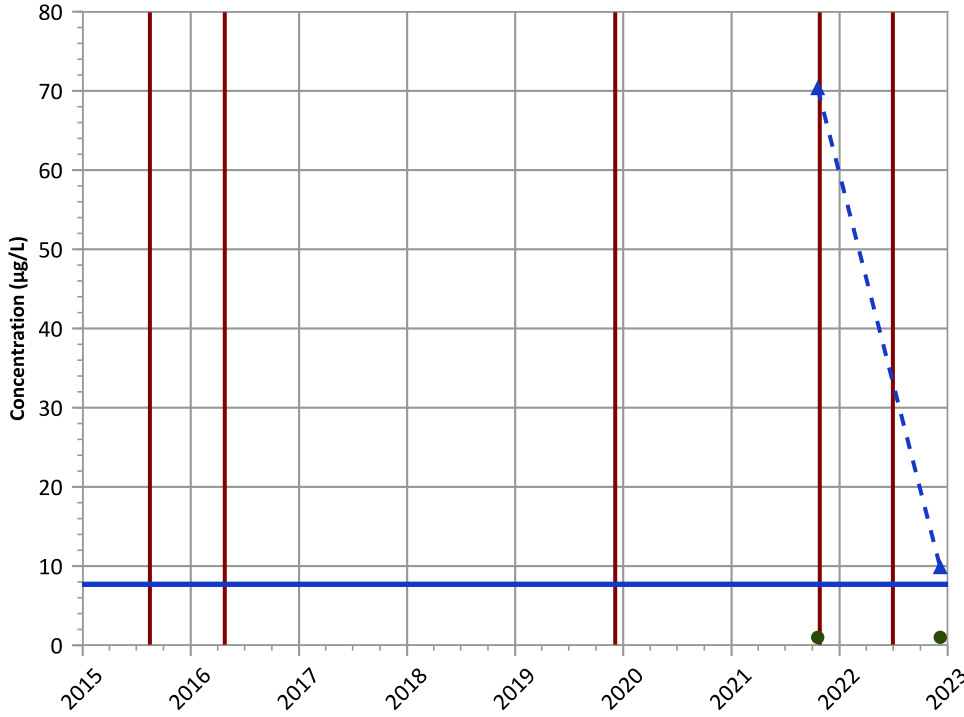
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 10/19/2021 to 12/07/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

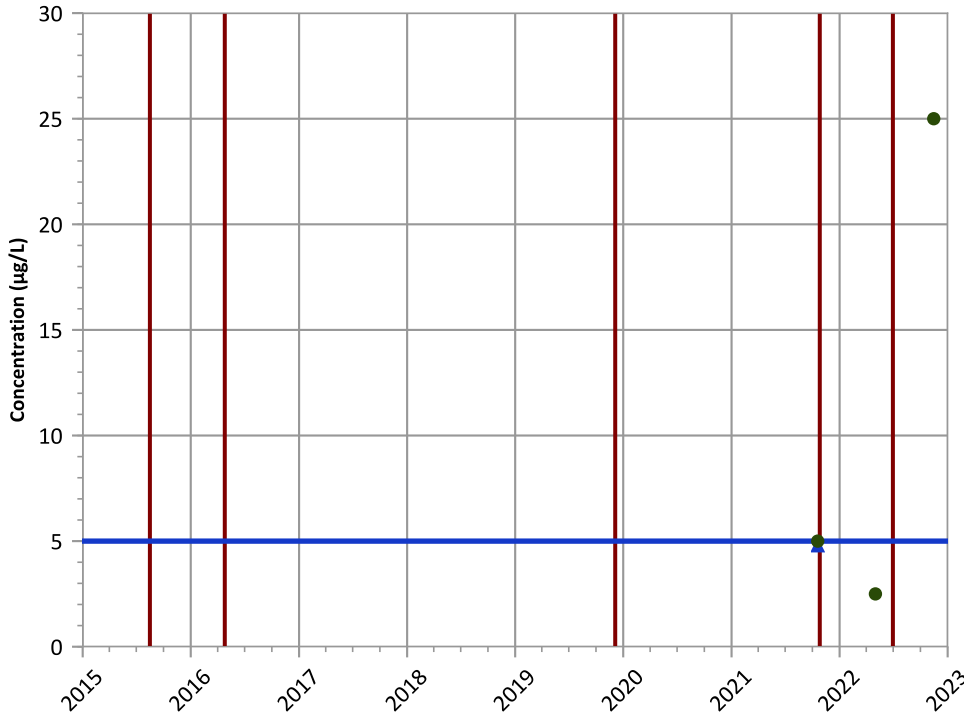
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

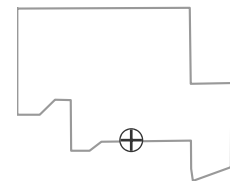
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

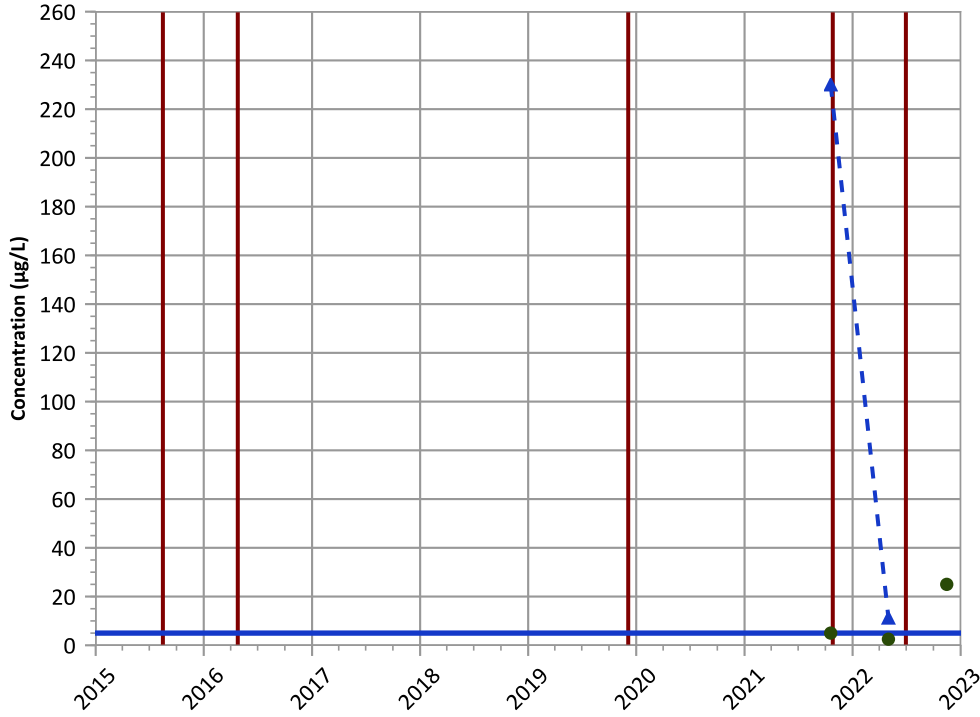


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

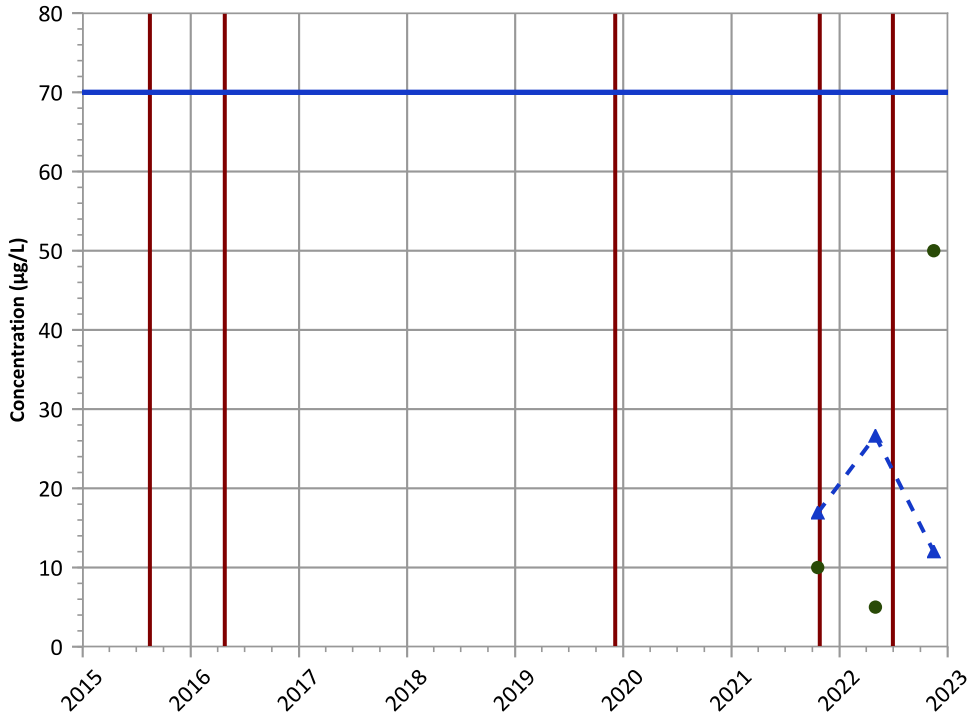
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

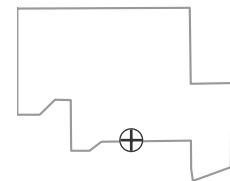
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

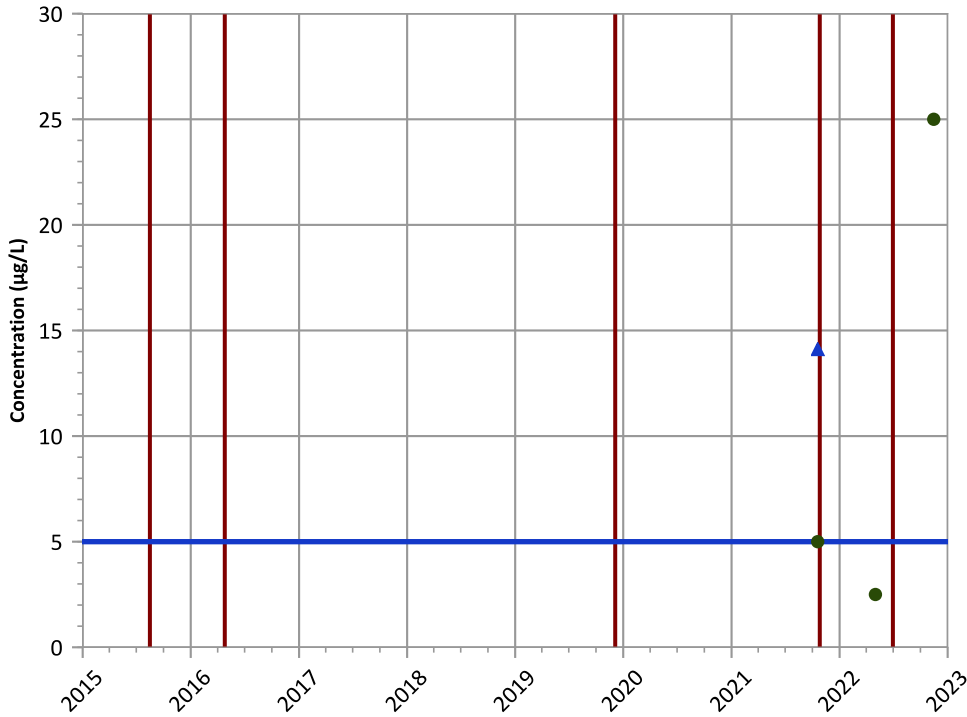
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

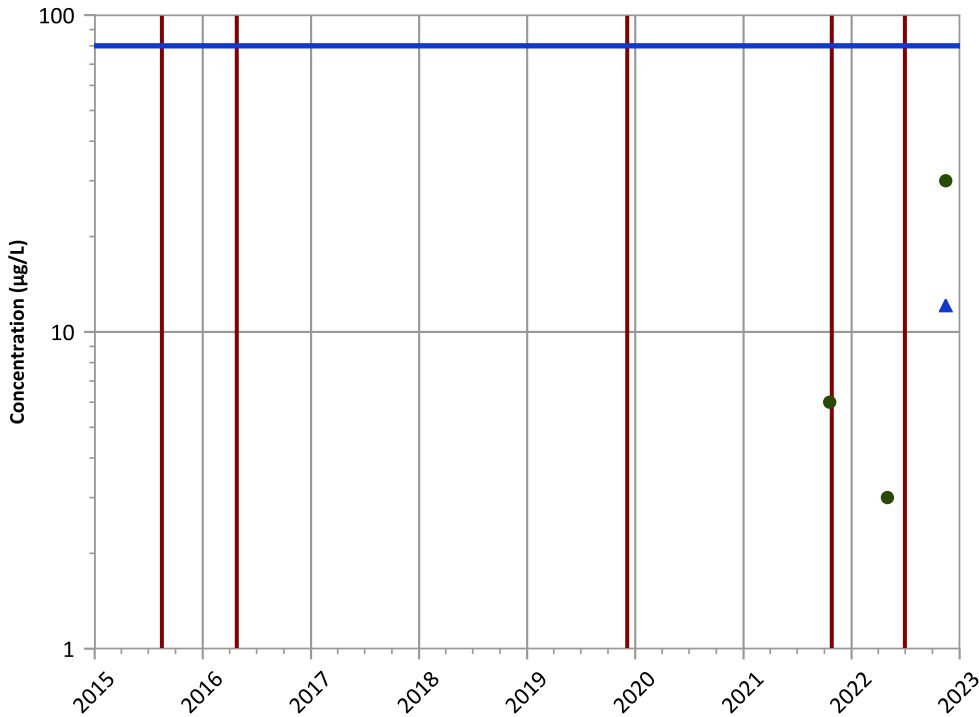


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Chloroform Trend**

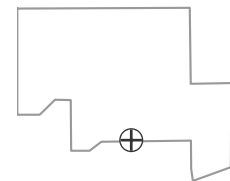


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

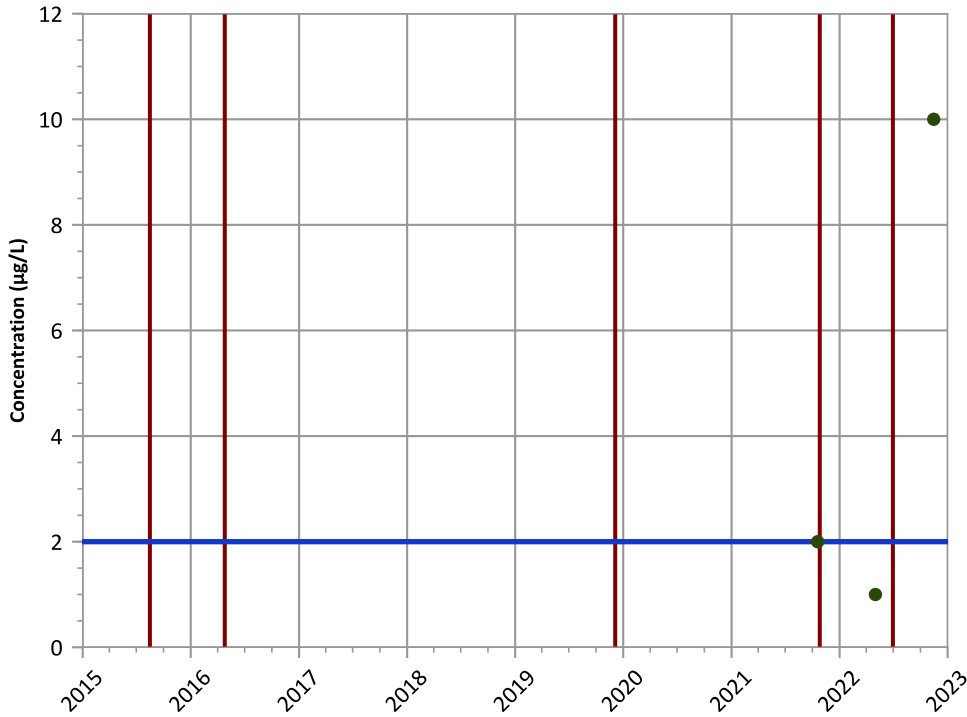
**Well Location**



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vinyl Chloride Trend**

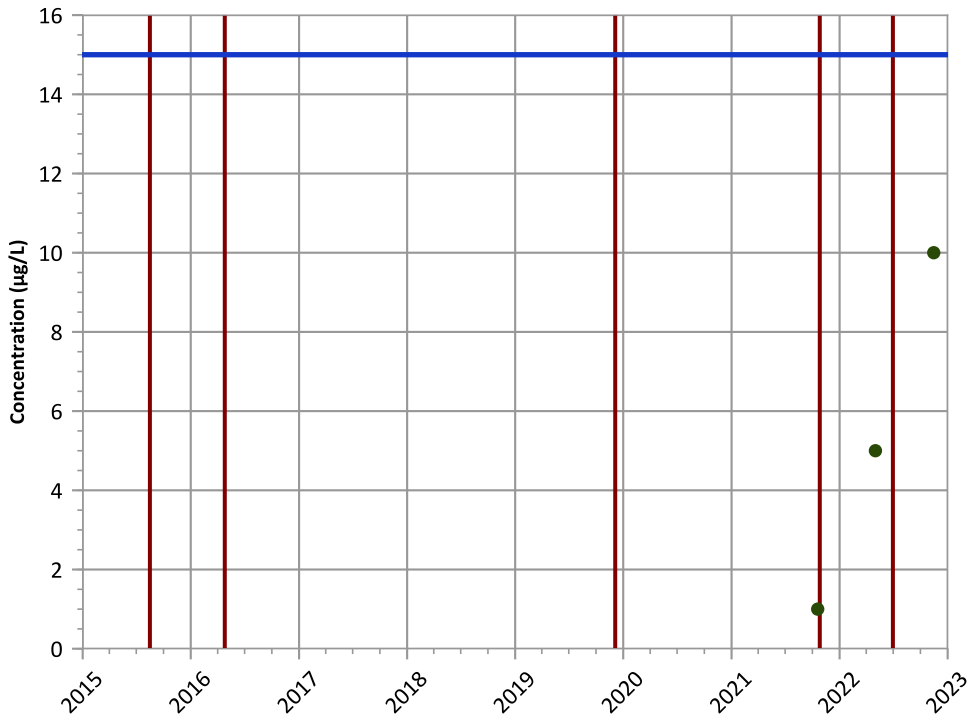


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Perchlorate Trend**

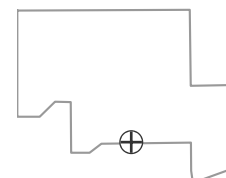


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

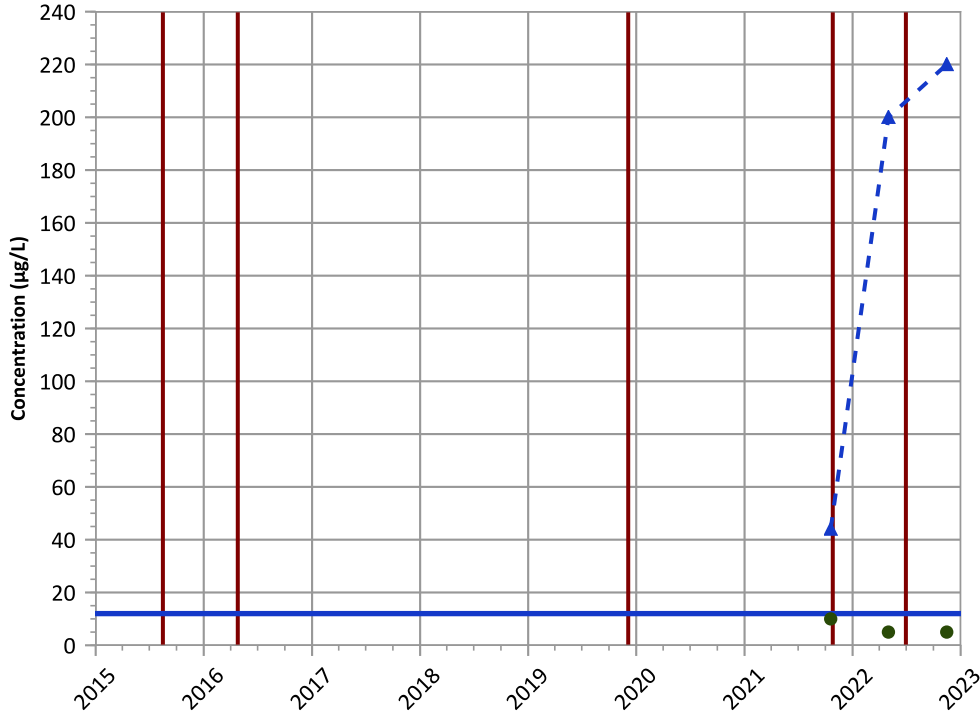


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

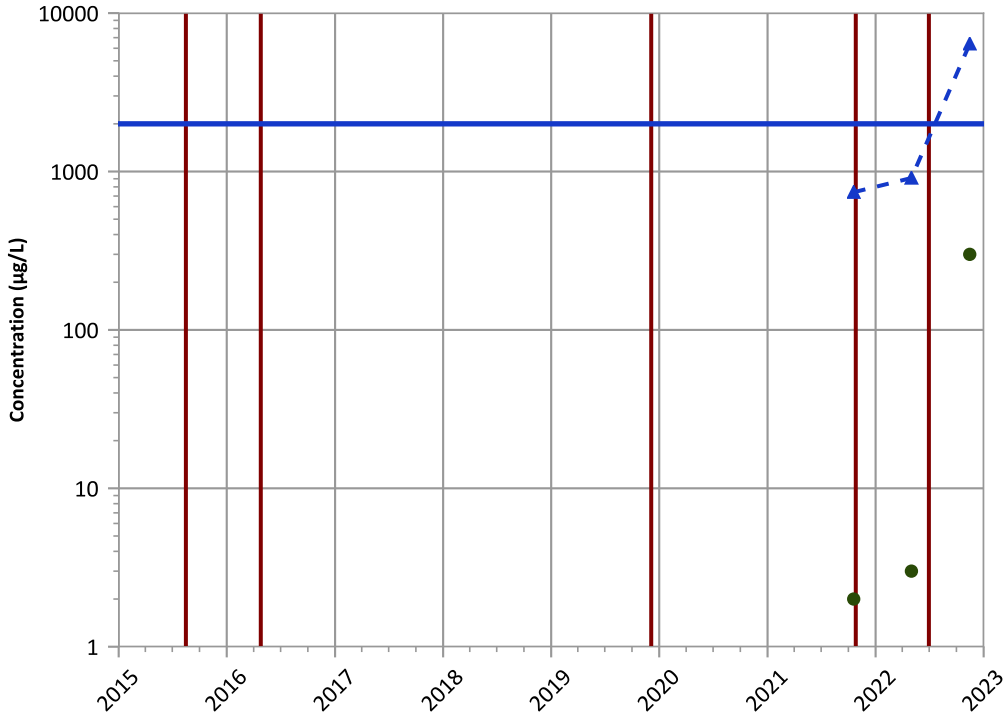
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

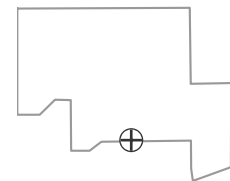
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location



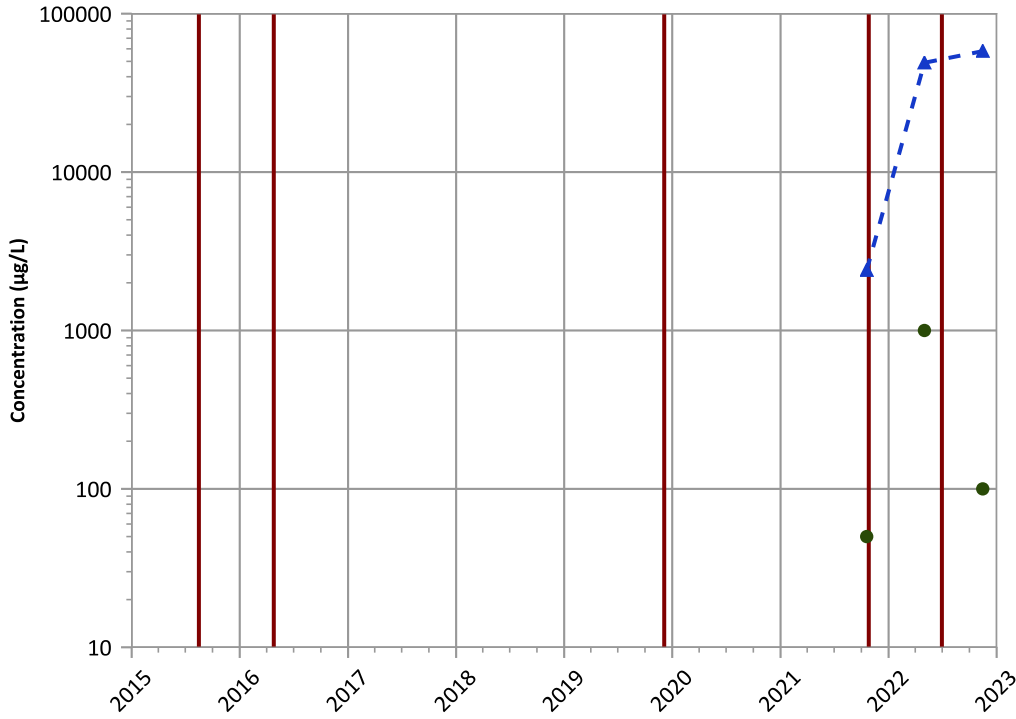
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

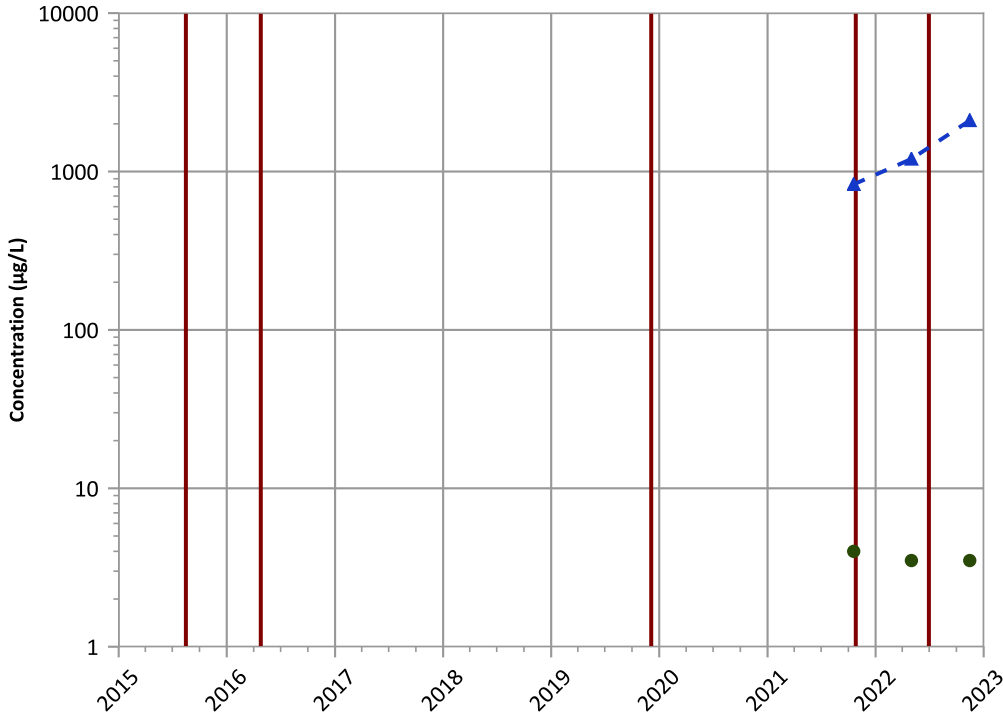
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

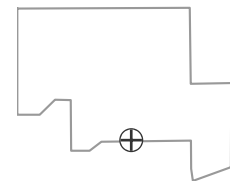
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

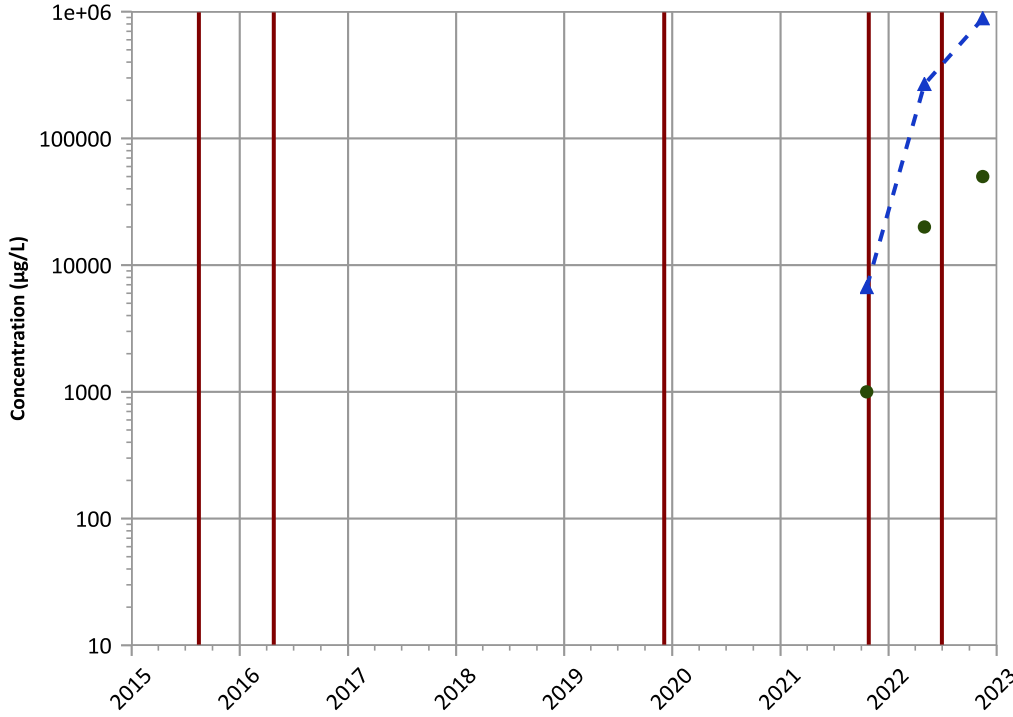


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

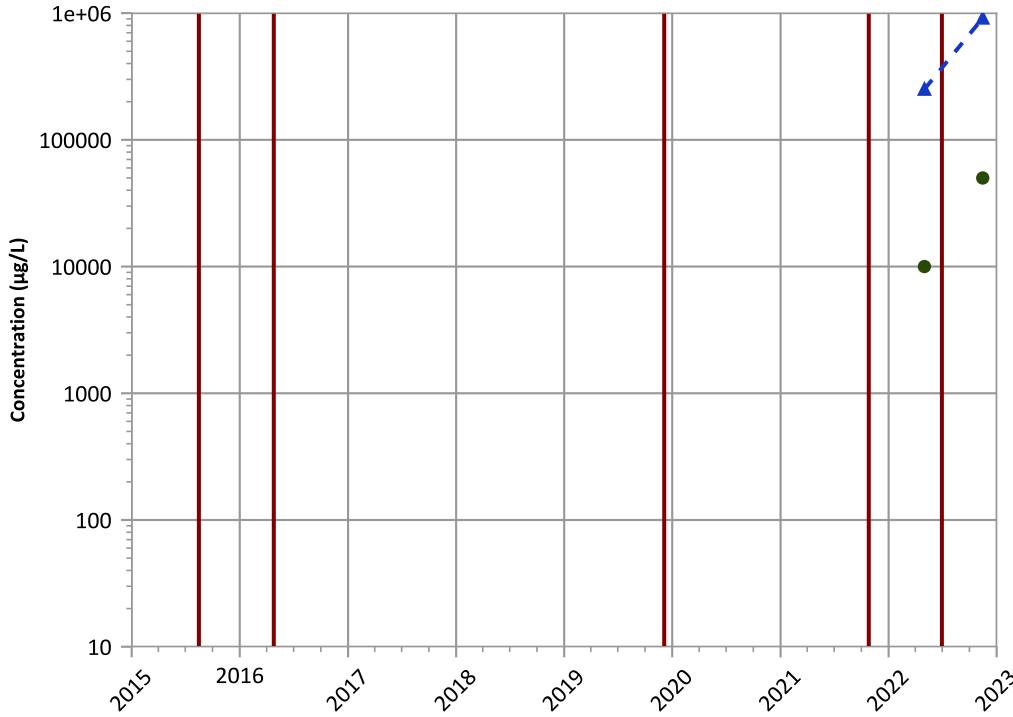
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Dissolved Organic Carbon (DOC) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

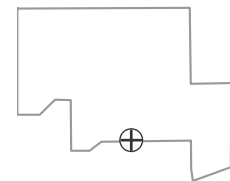
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

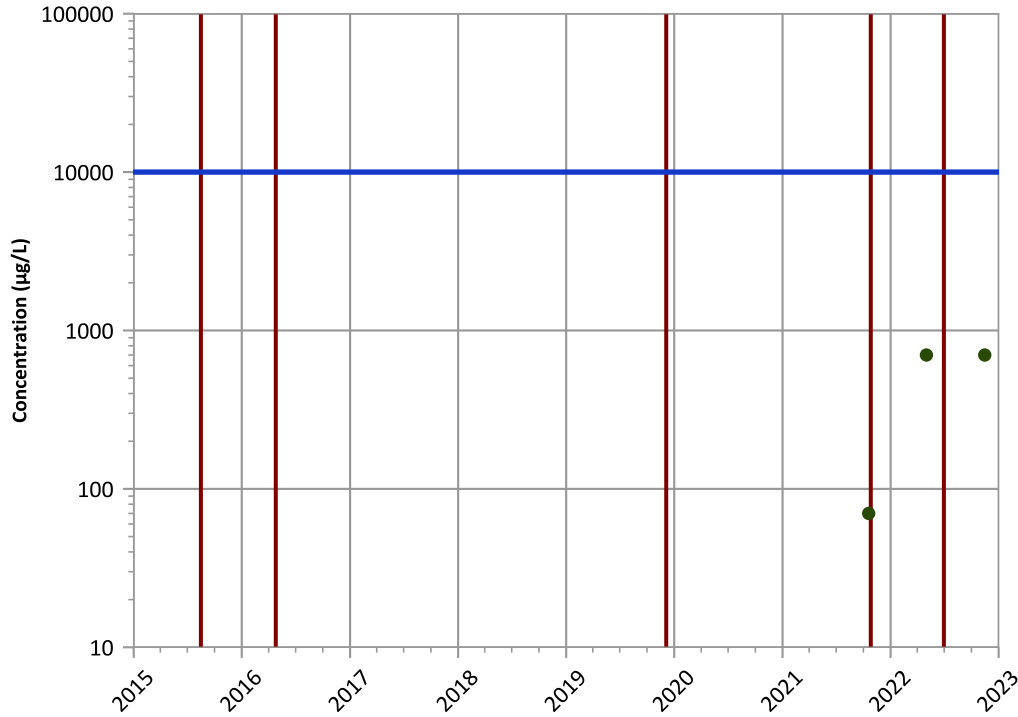


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1210 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

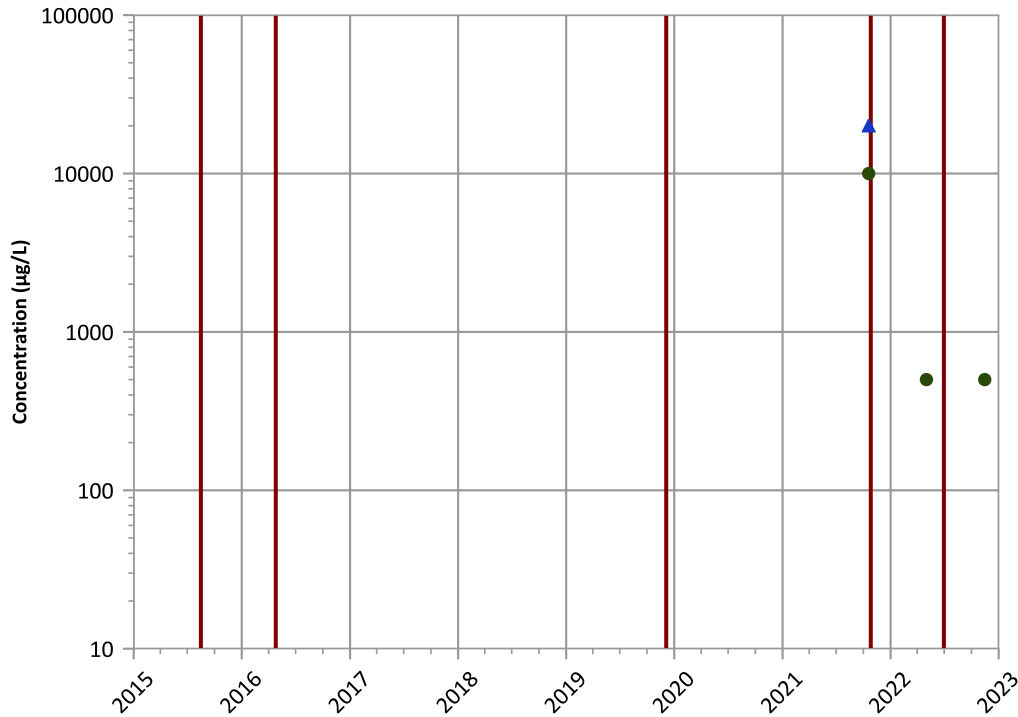


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Sulfate (as SO4) Trend

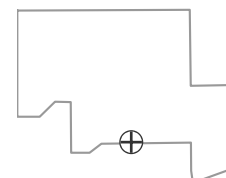


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

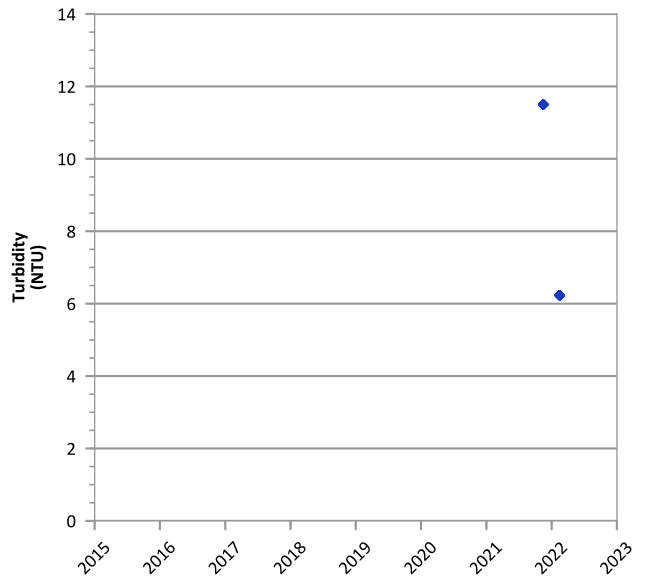
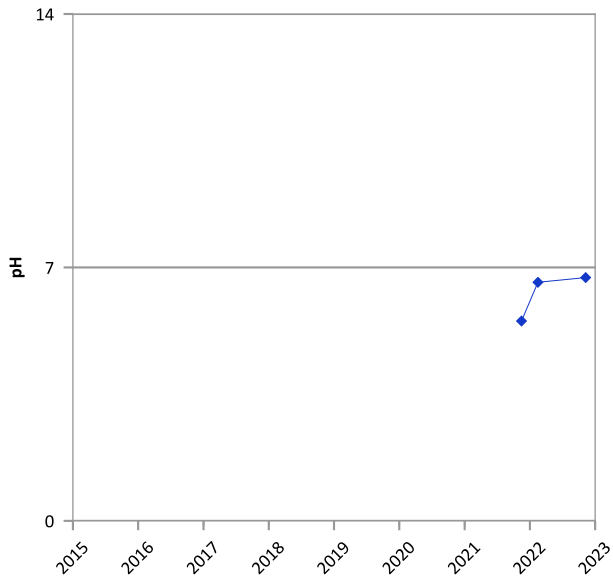
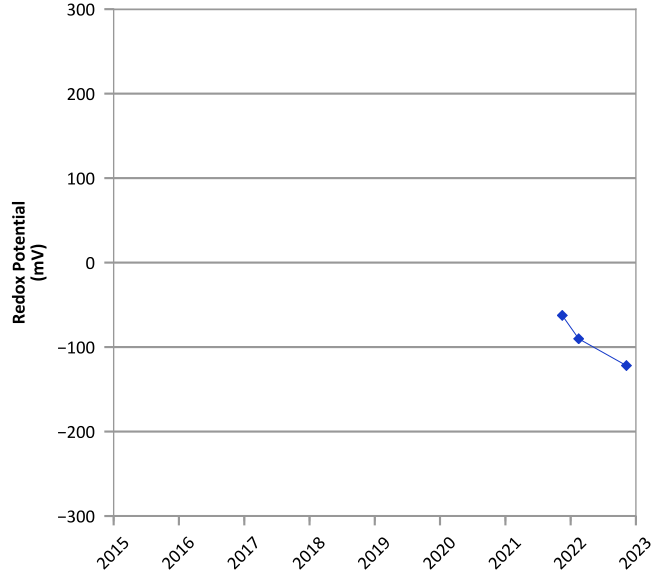
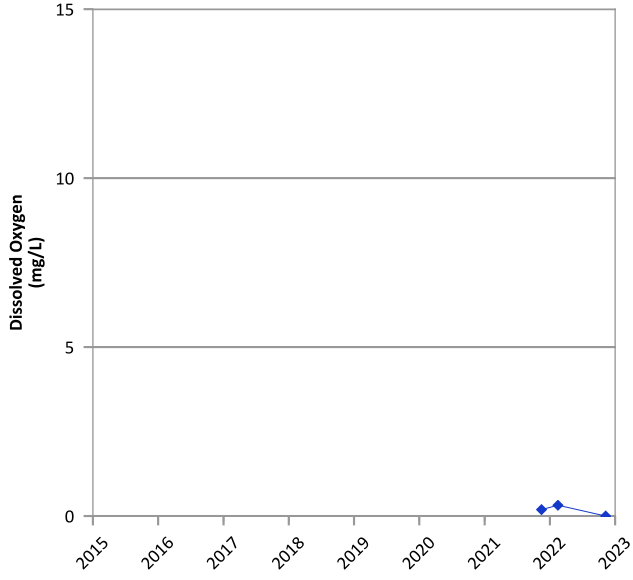
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/19/2021 to 12/07/2022  
Analysis Date: 04/24/2023

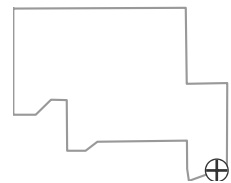
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



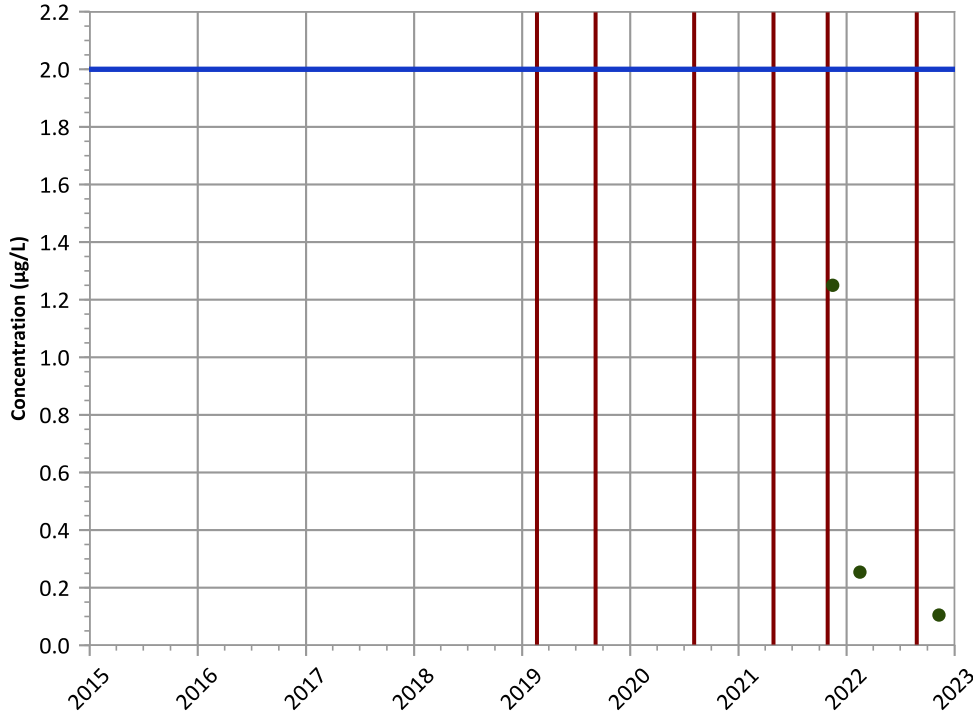
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 11/15/2021 to 11/09/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

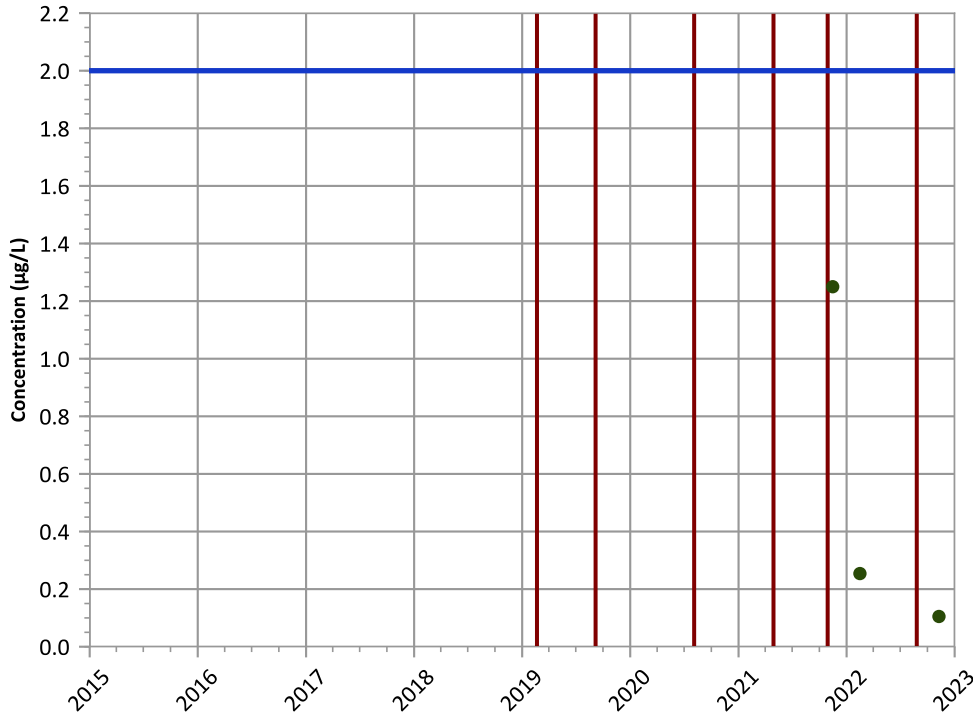


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

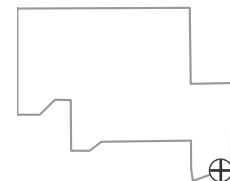


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

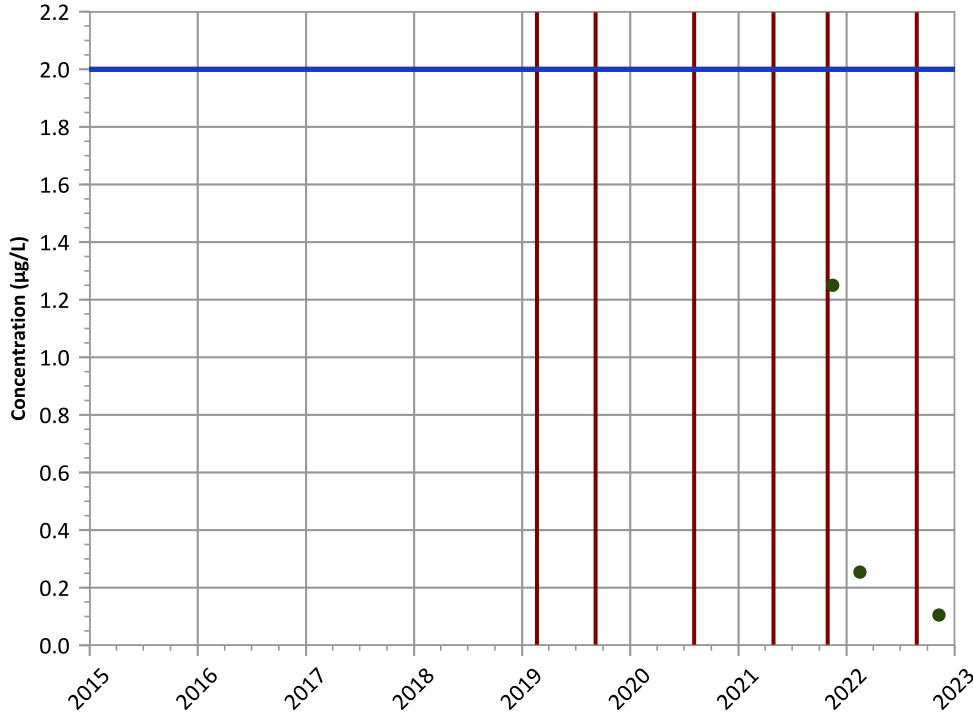


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

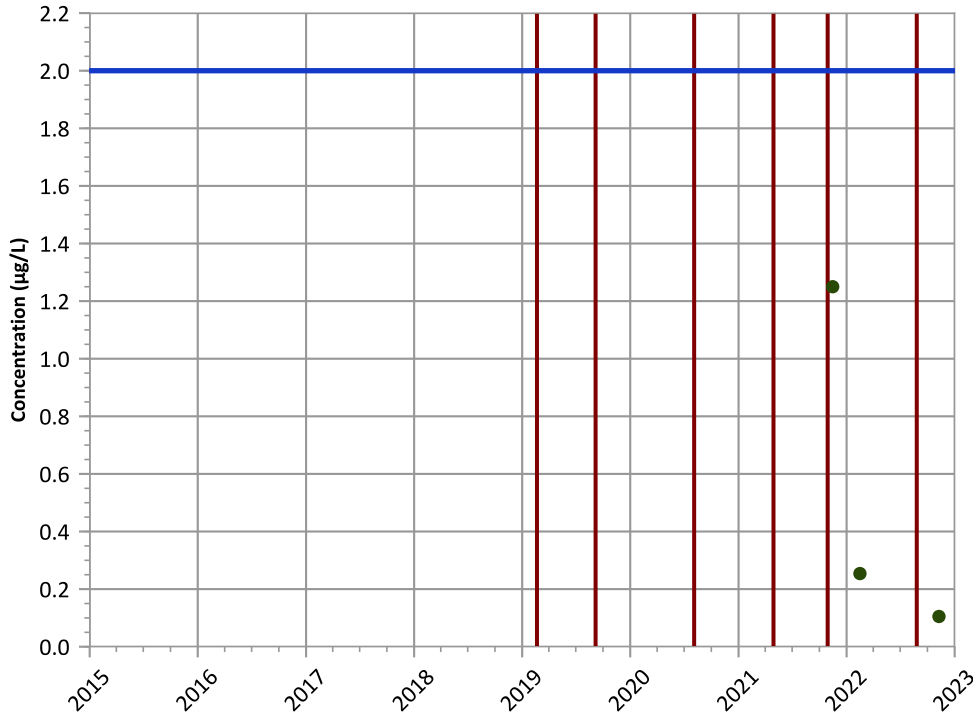


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

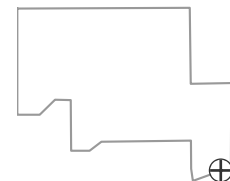


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

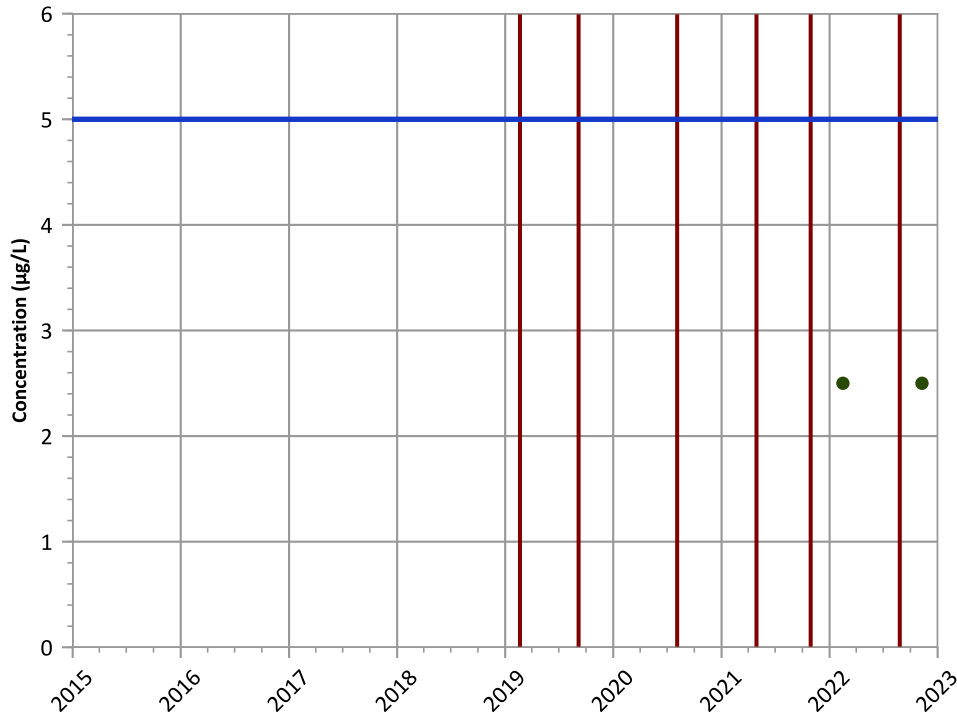
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

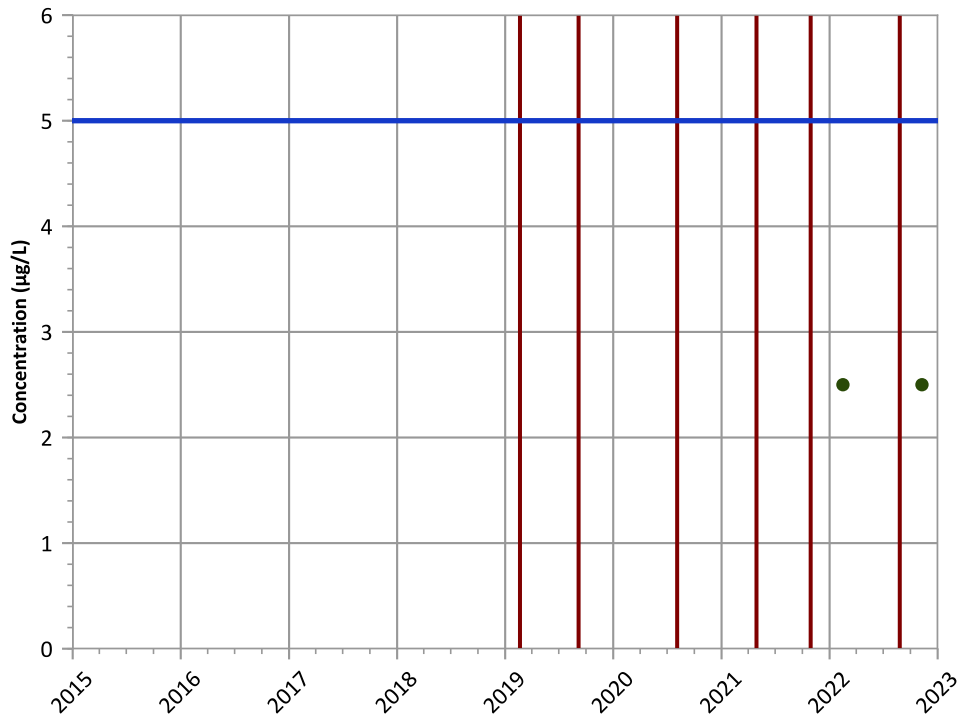


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

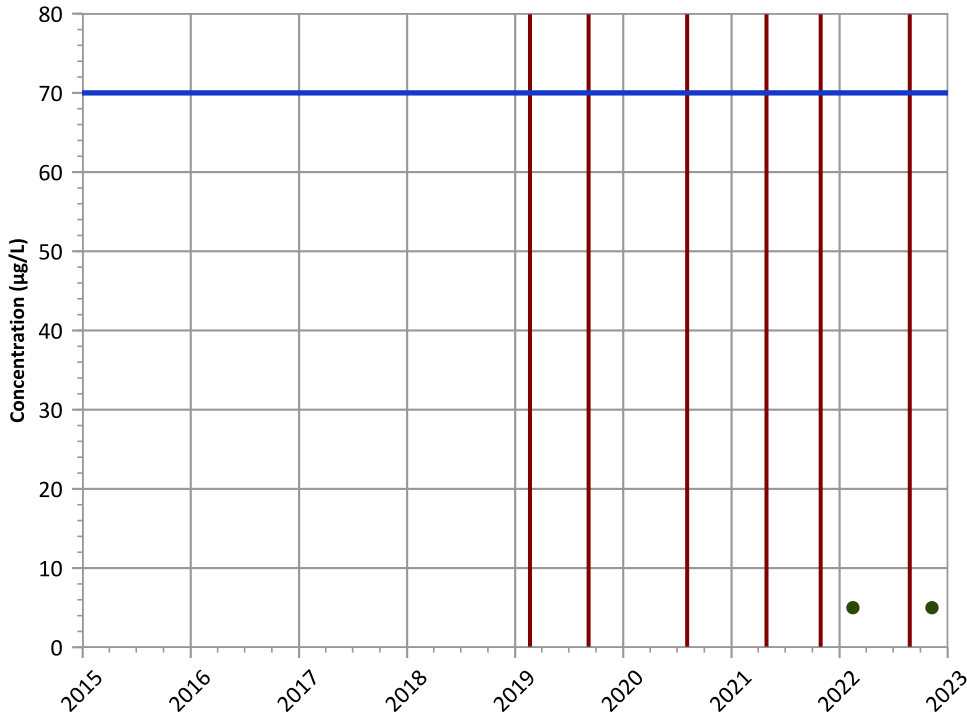
**Well Location**



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant**  
**cis-1,2-Dichloroethene Trend**

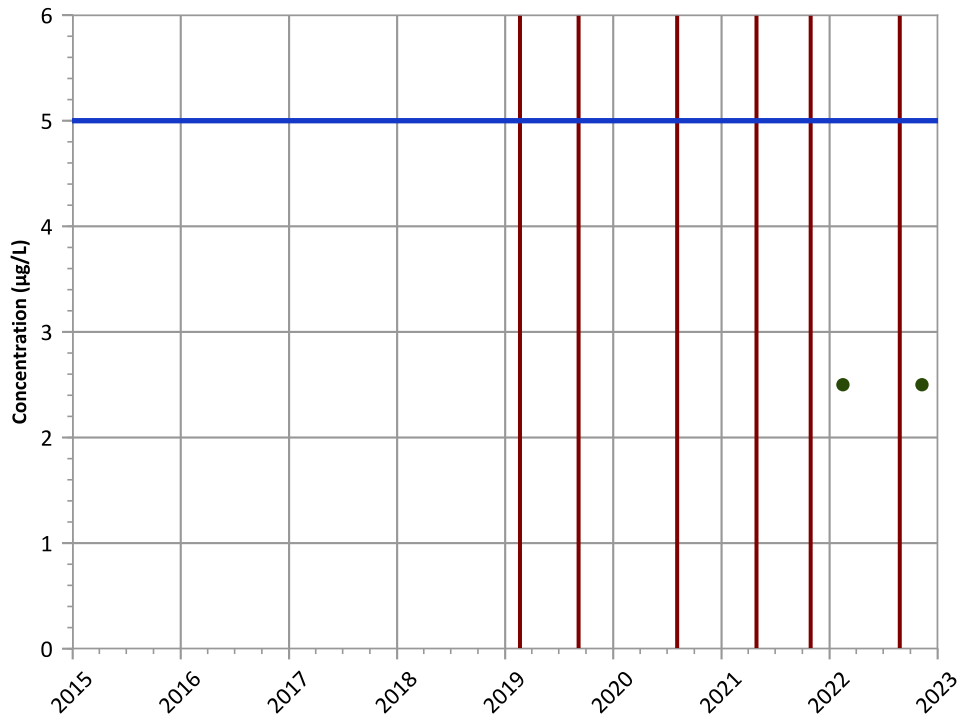


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Well Location**



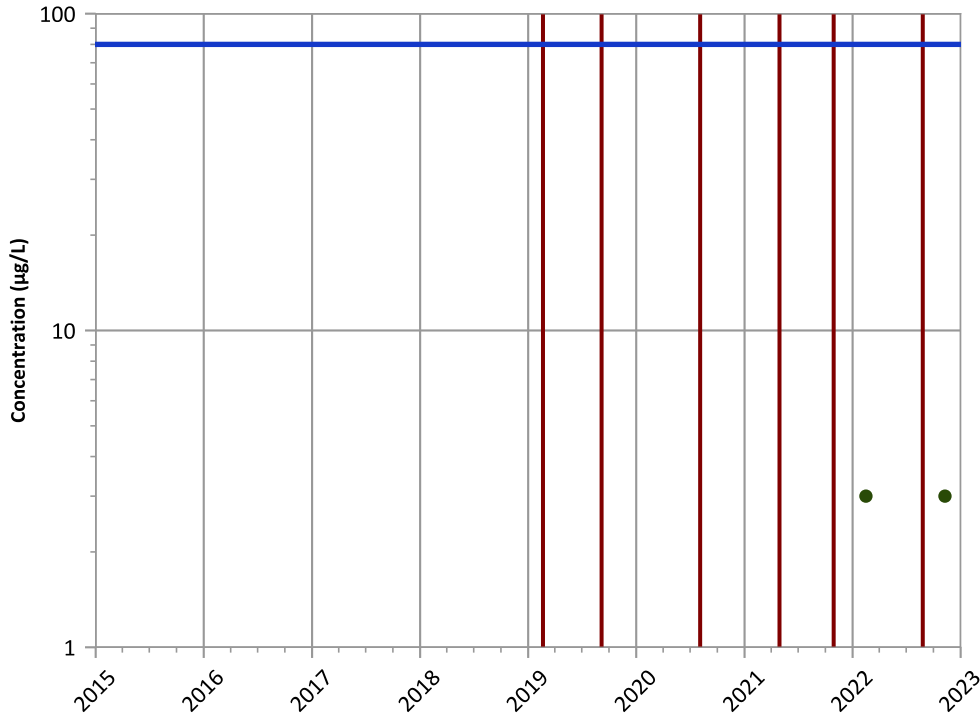
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

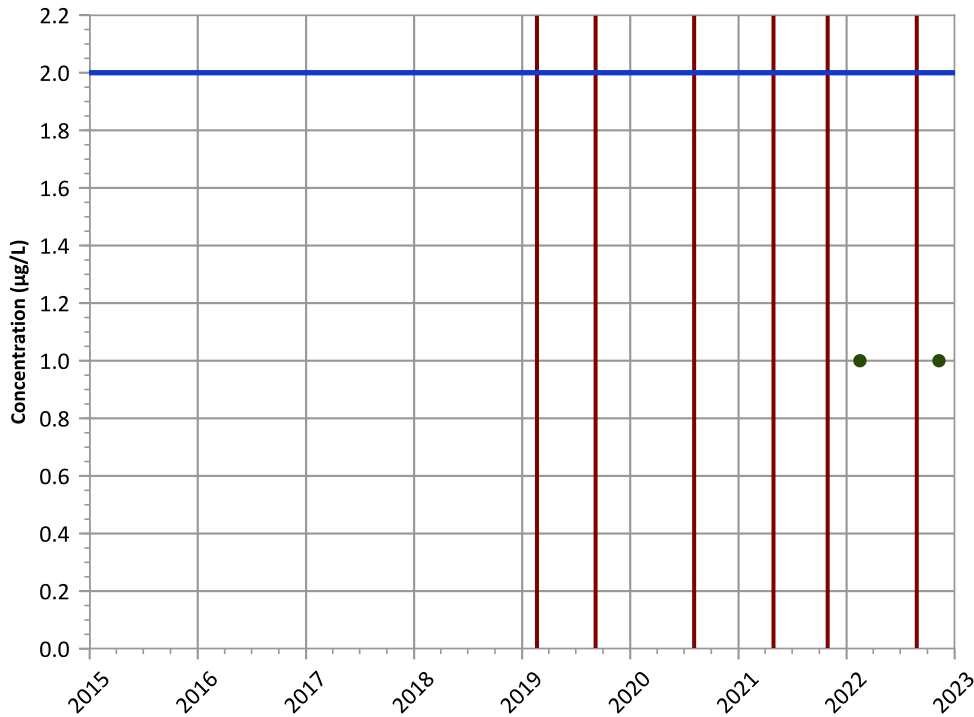


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Vinyl Chloride Trend

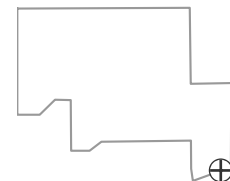


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

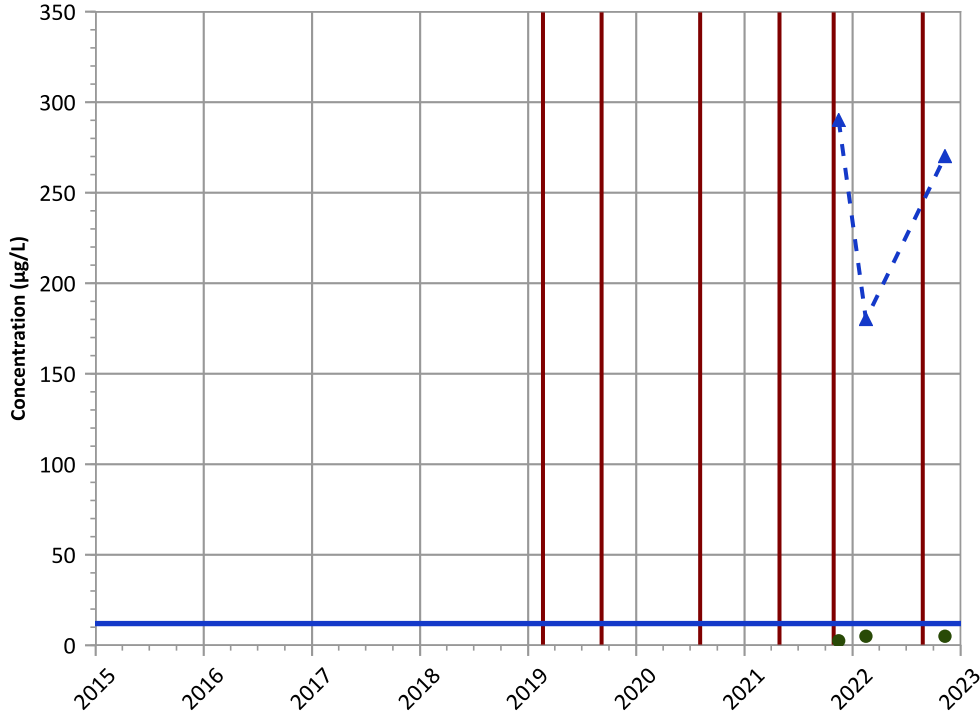


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

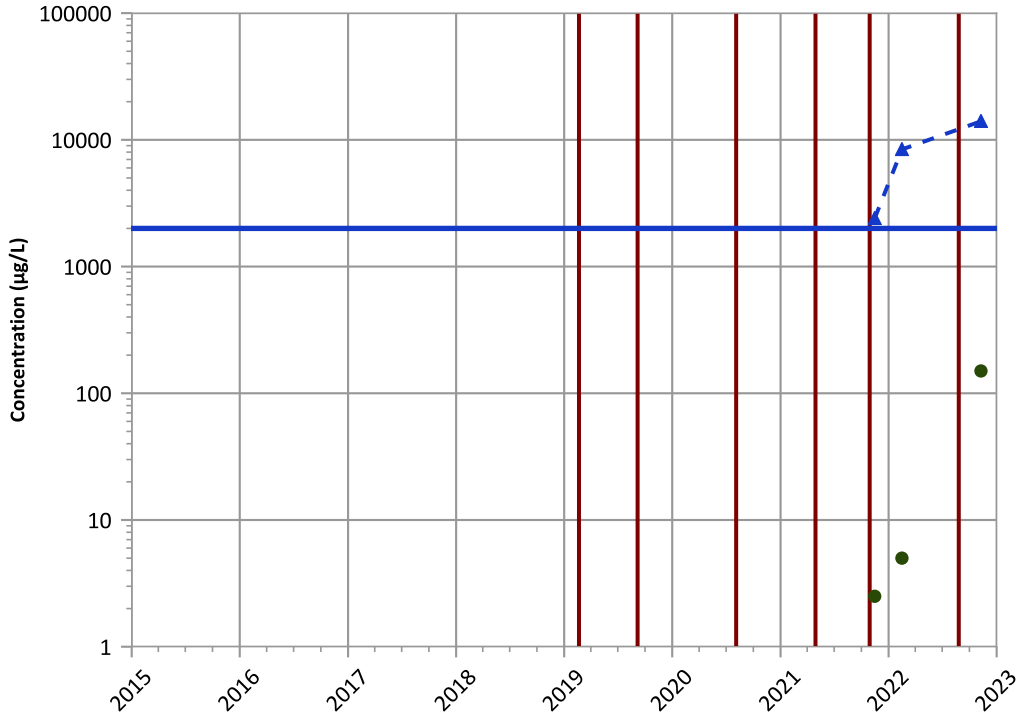
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

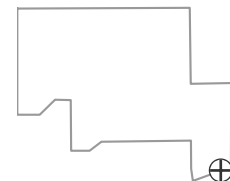
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

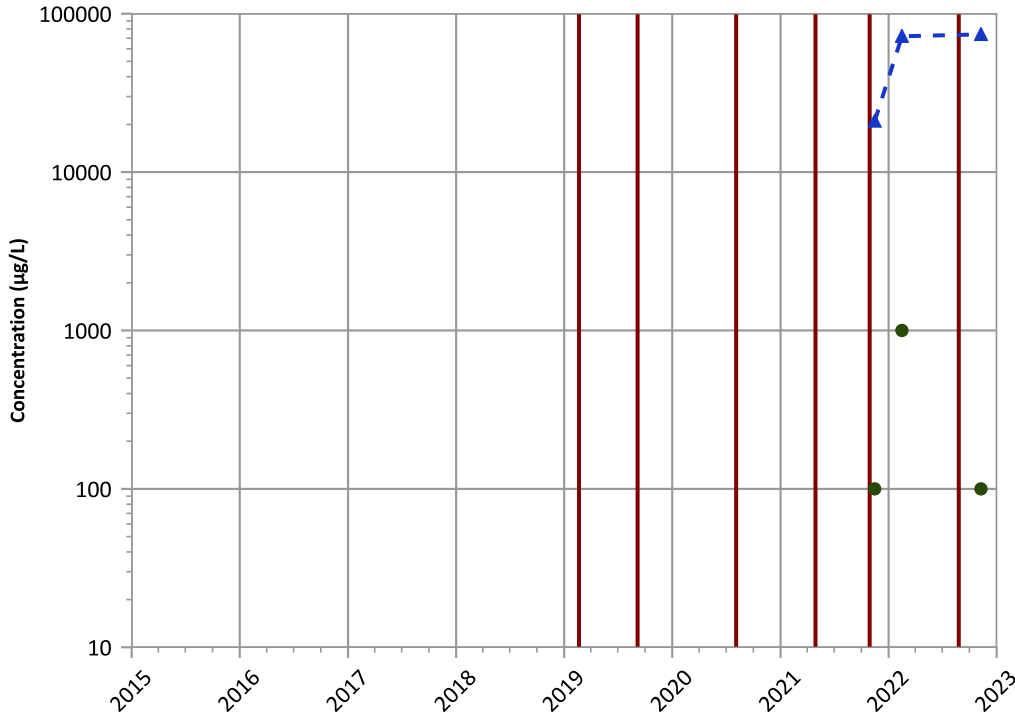


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

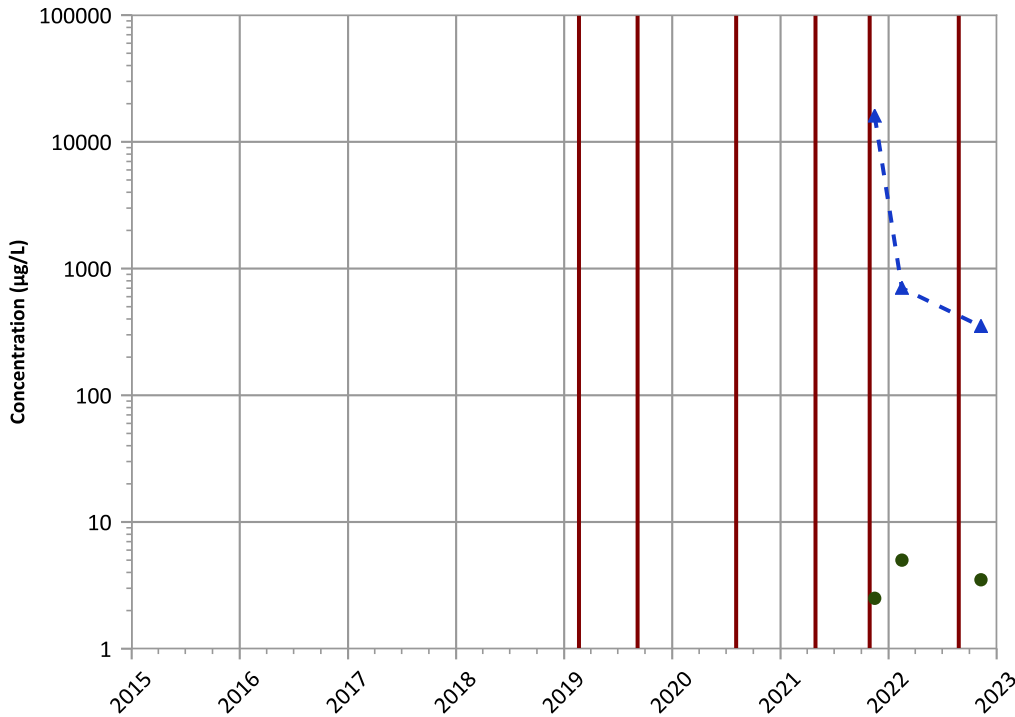
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

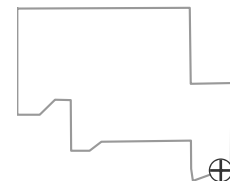
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

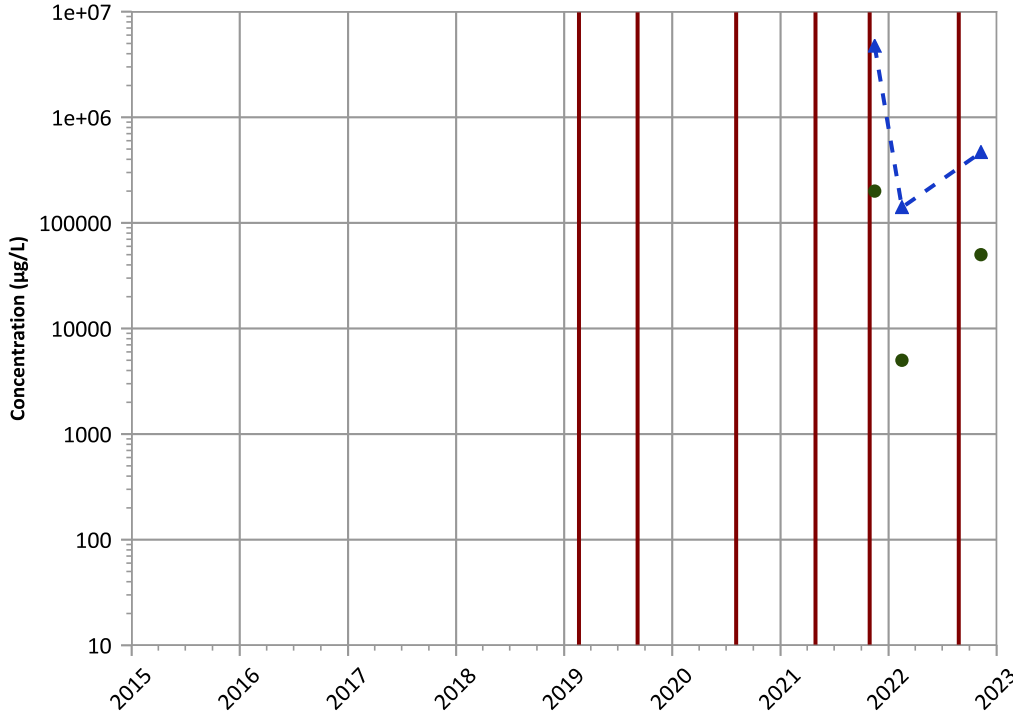


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

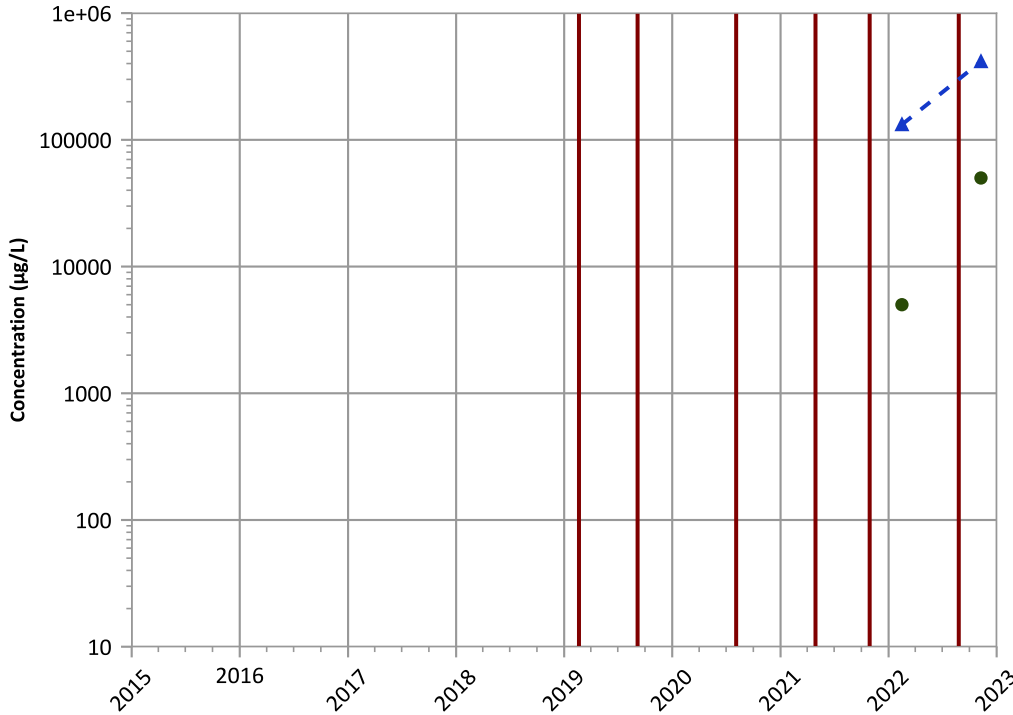
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Dissolved Organic Carbon (DOC) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

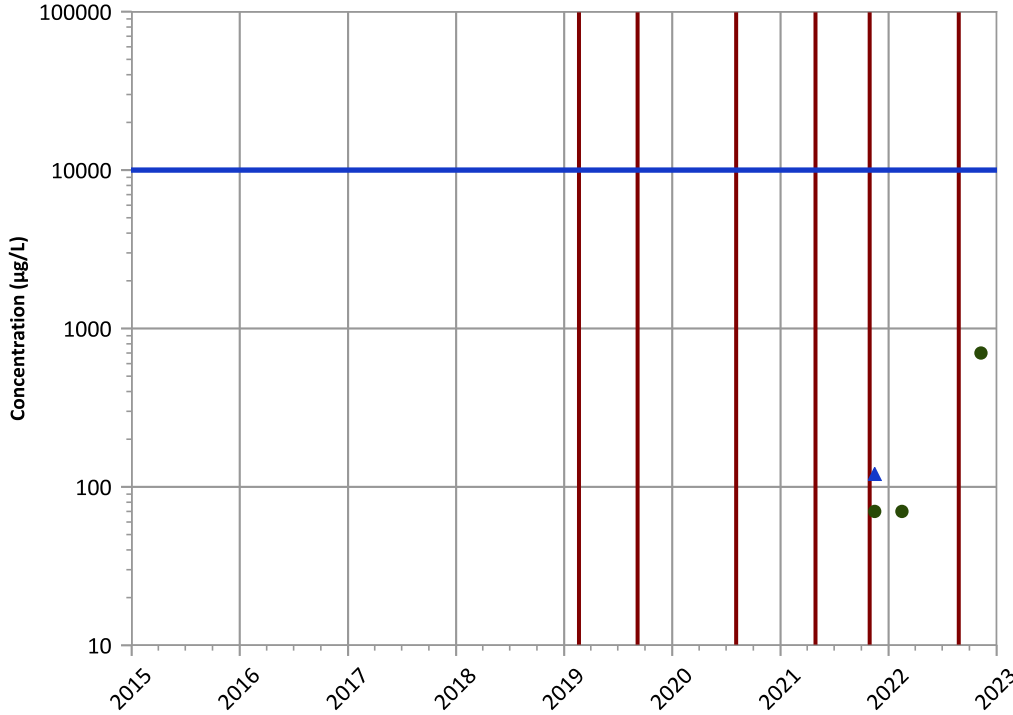


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1213 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

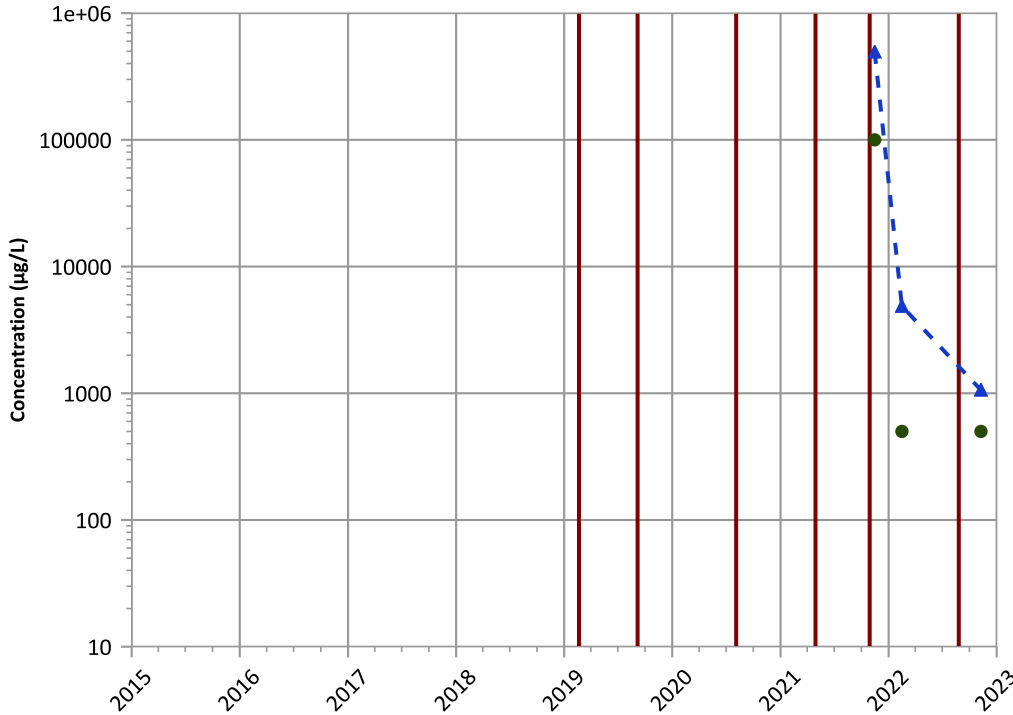


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sulfate (as SO4) Trend

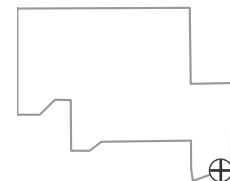


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

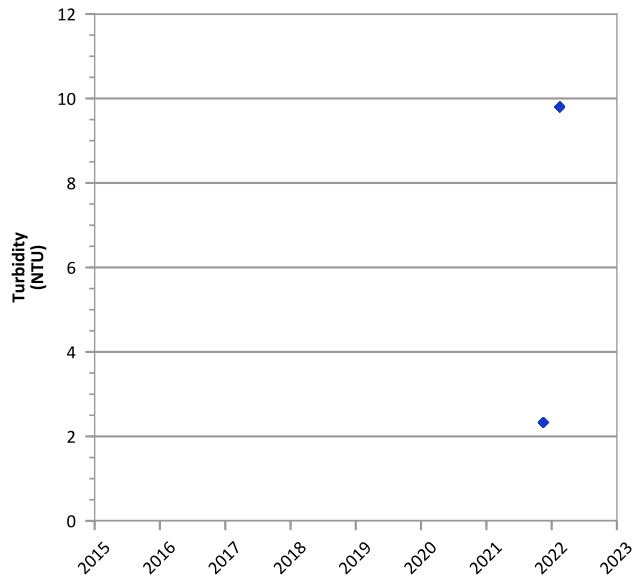
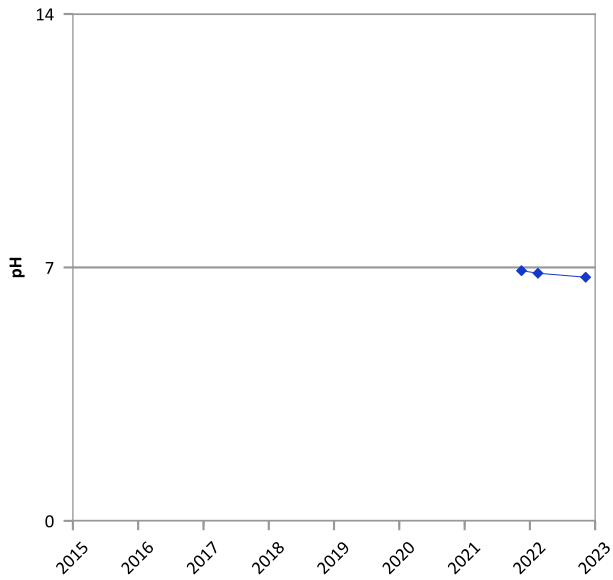
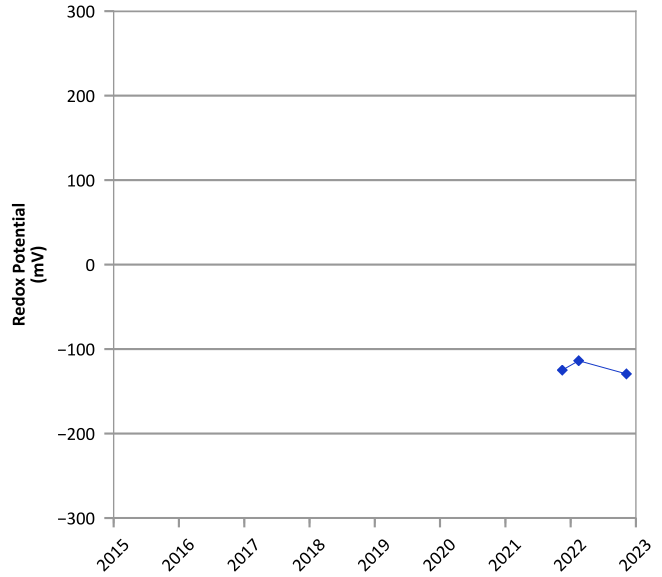
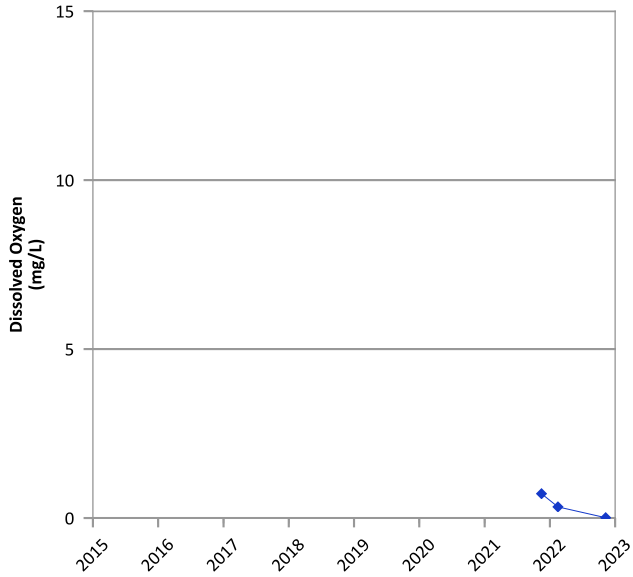
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

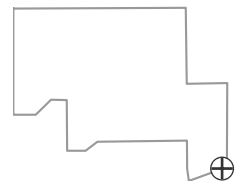
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



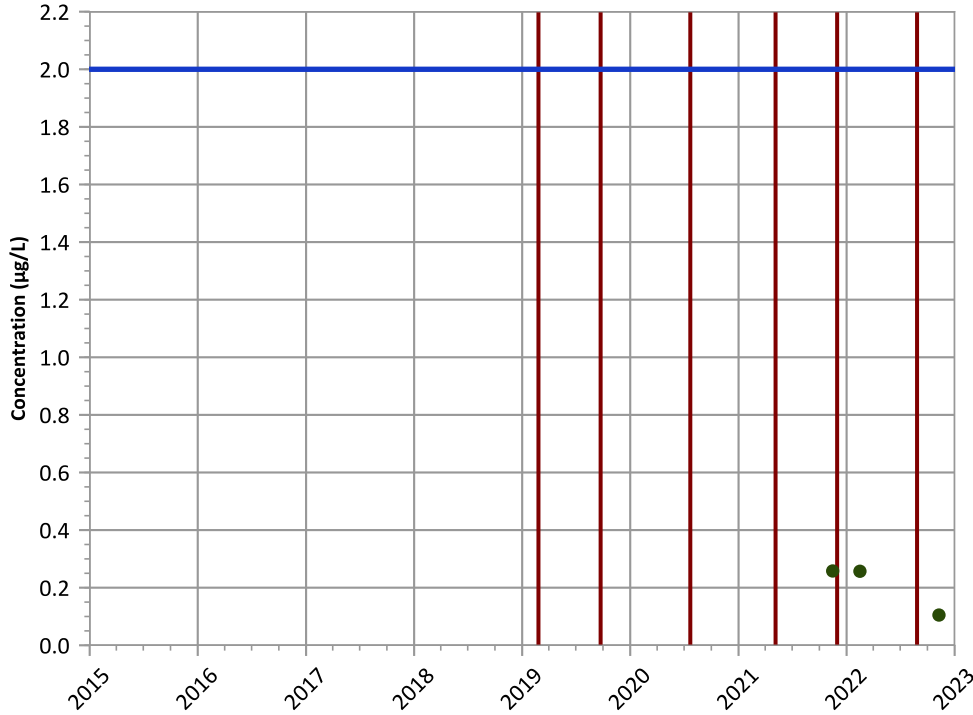
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 11/15/2021 to 11/09/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

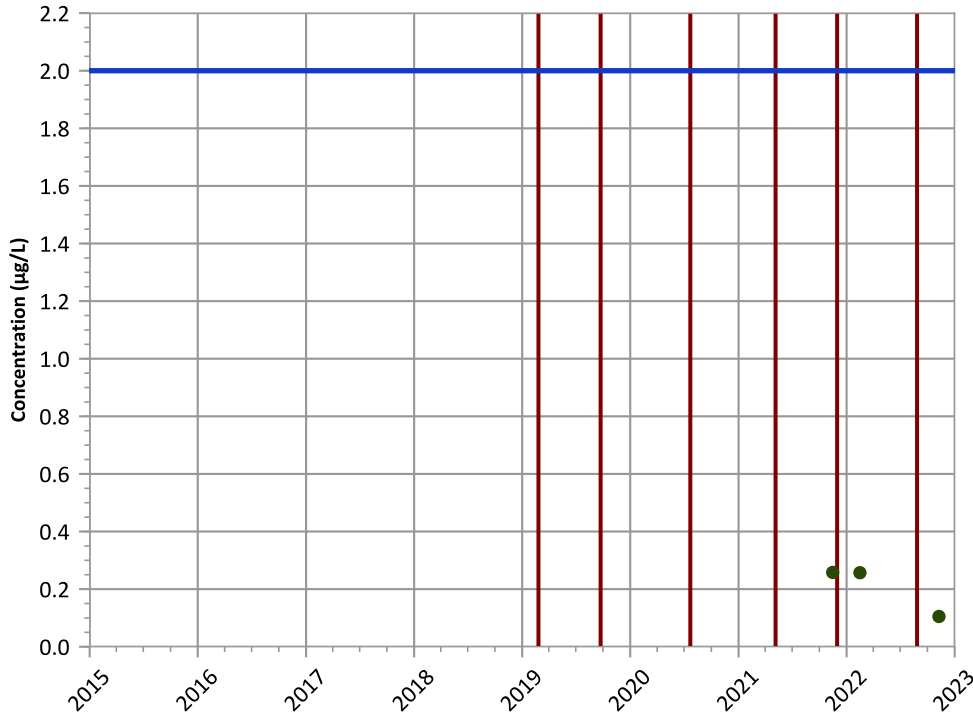


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

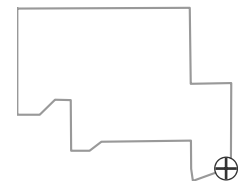


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

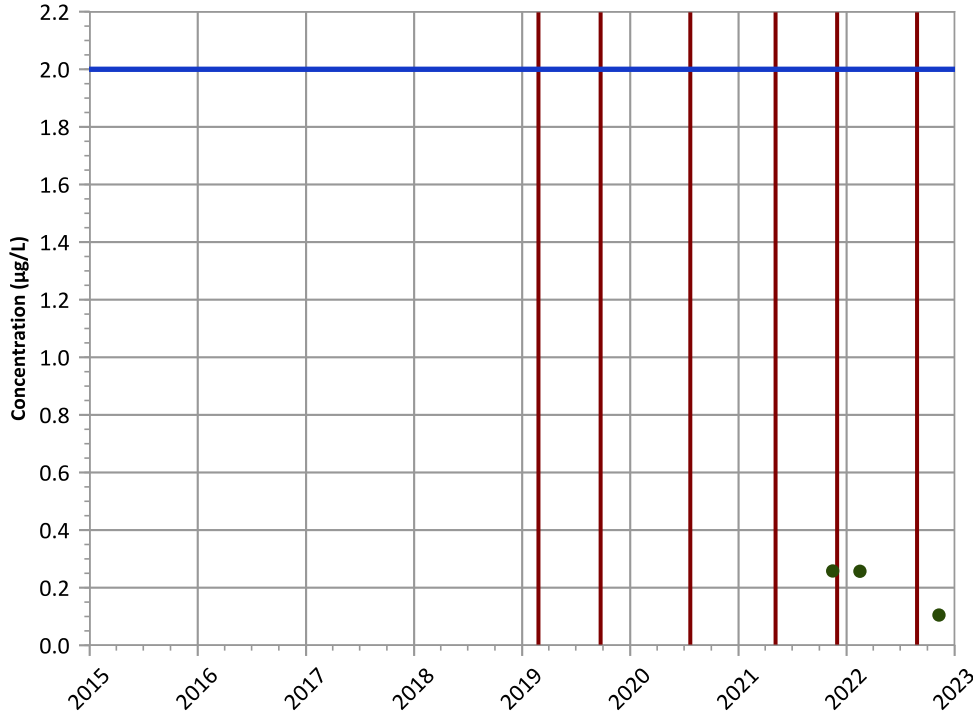


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

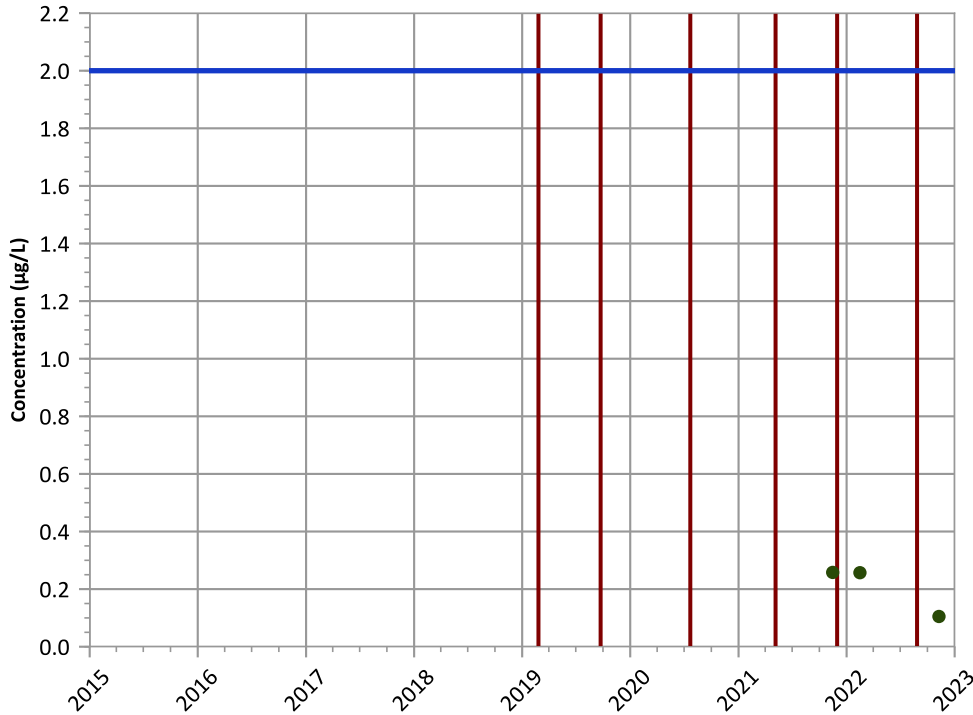


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

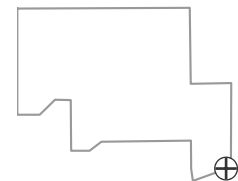


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

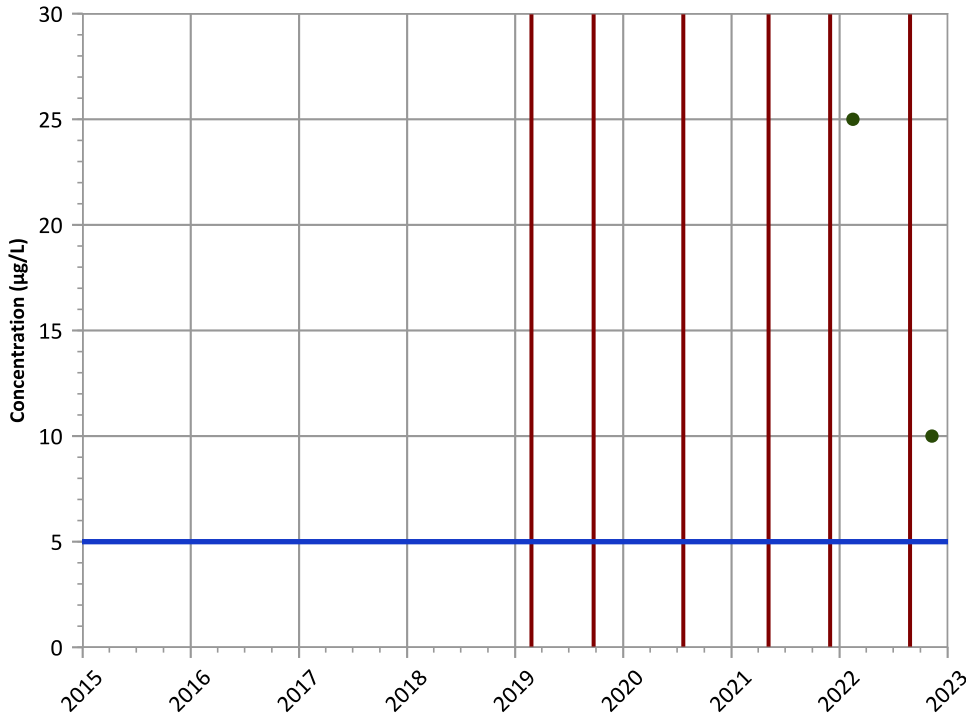


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



**PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

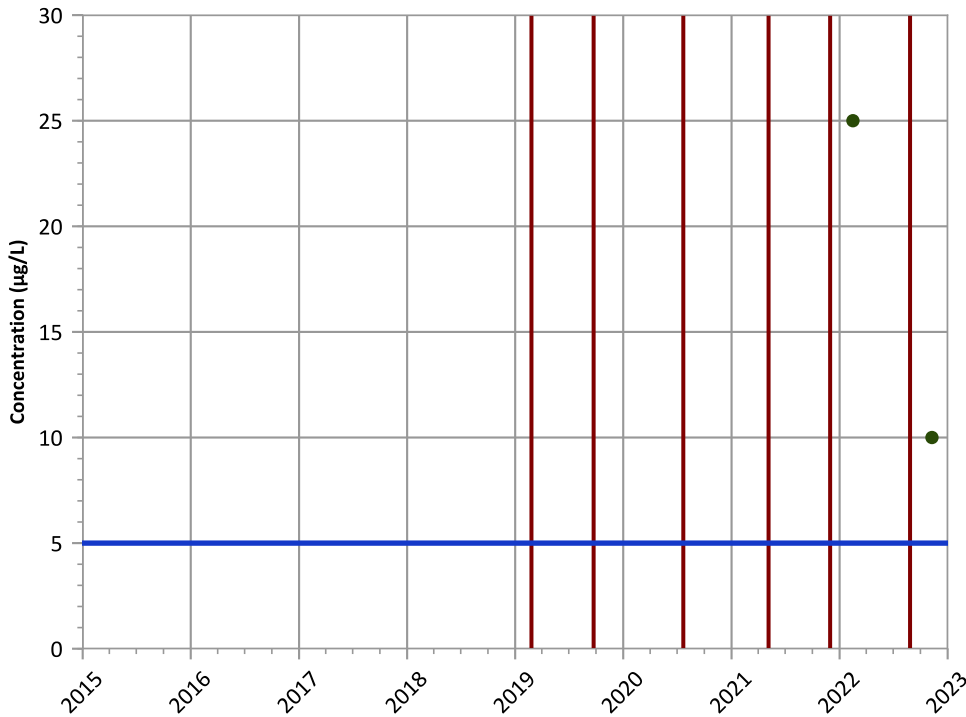
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

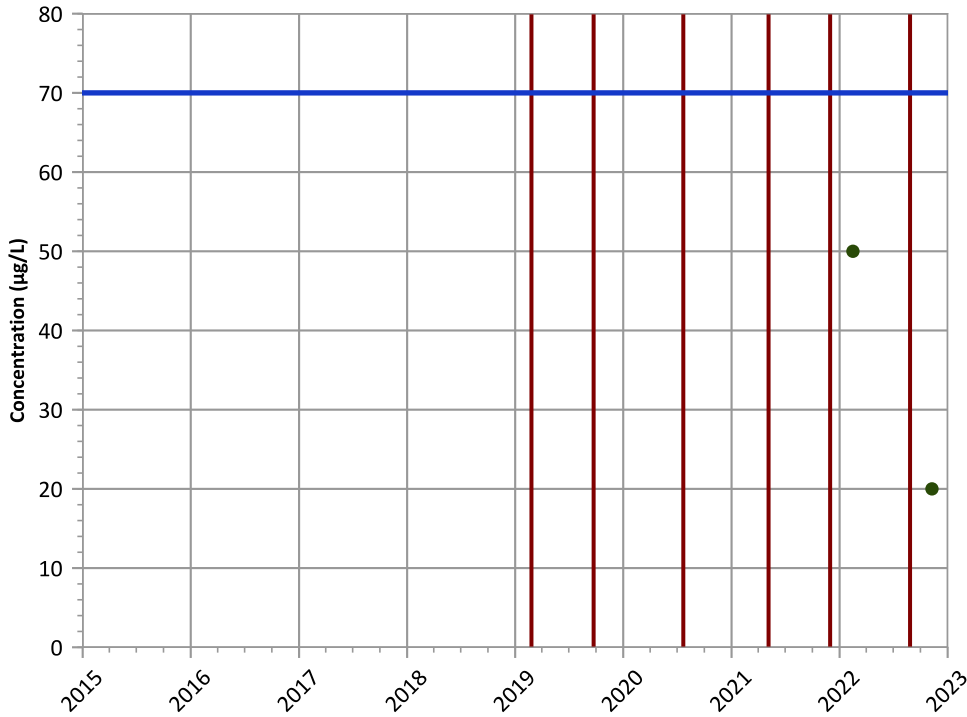
**Well Location**



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

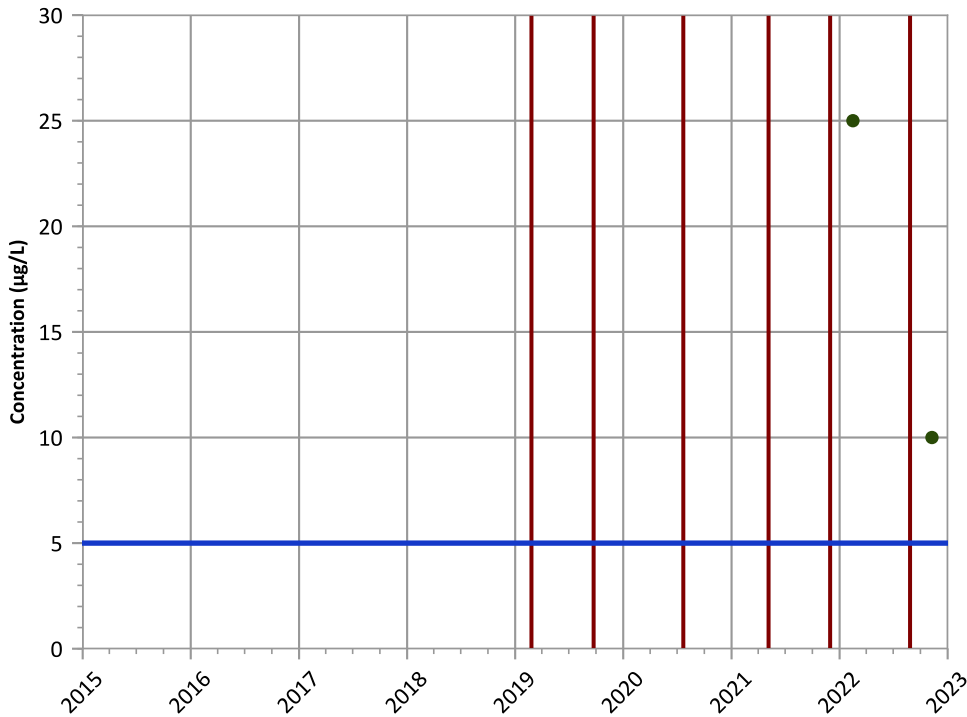


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

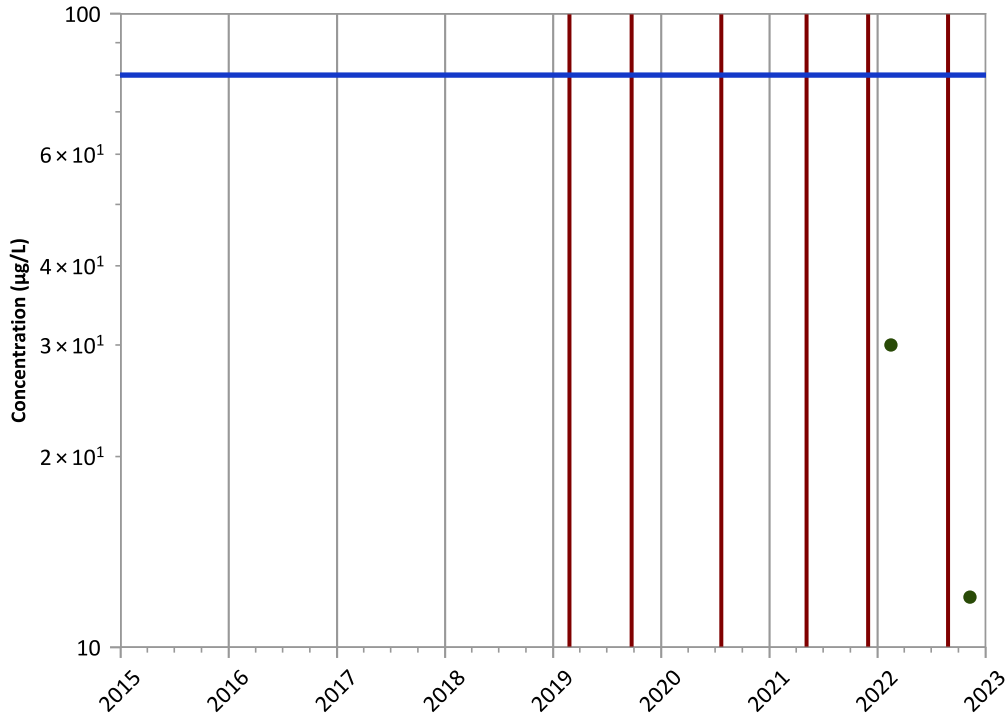


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

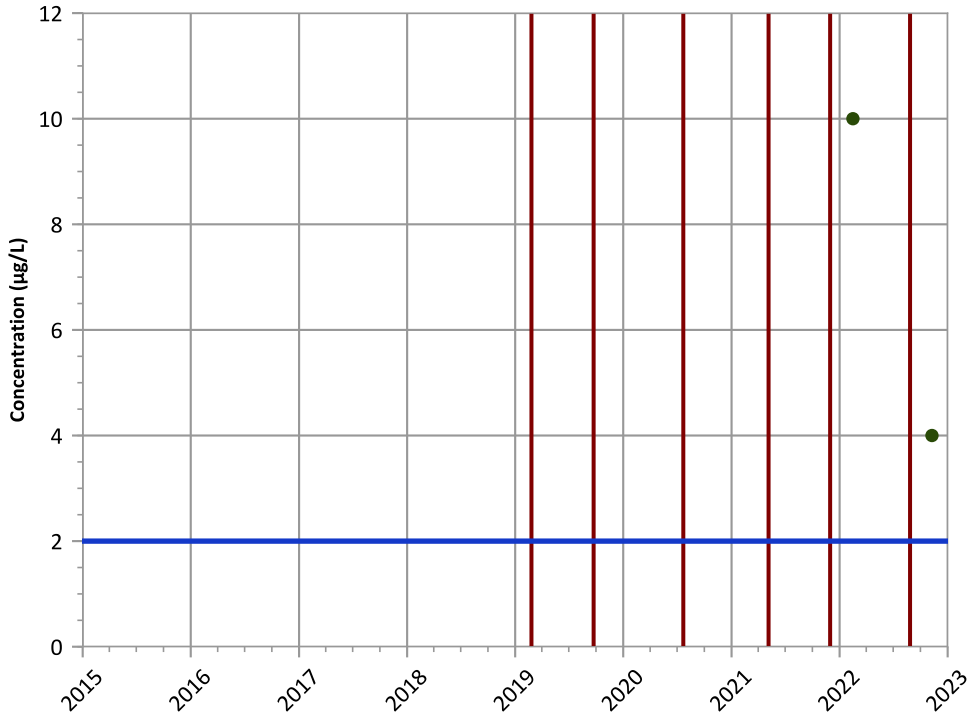
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Vinyl Chloride Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

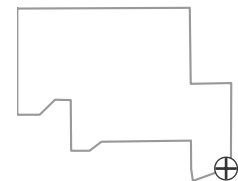
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location

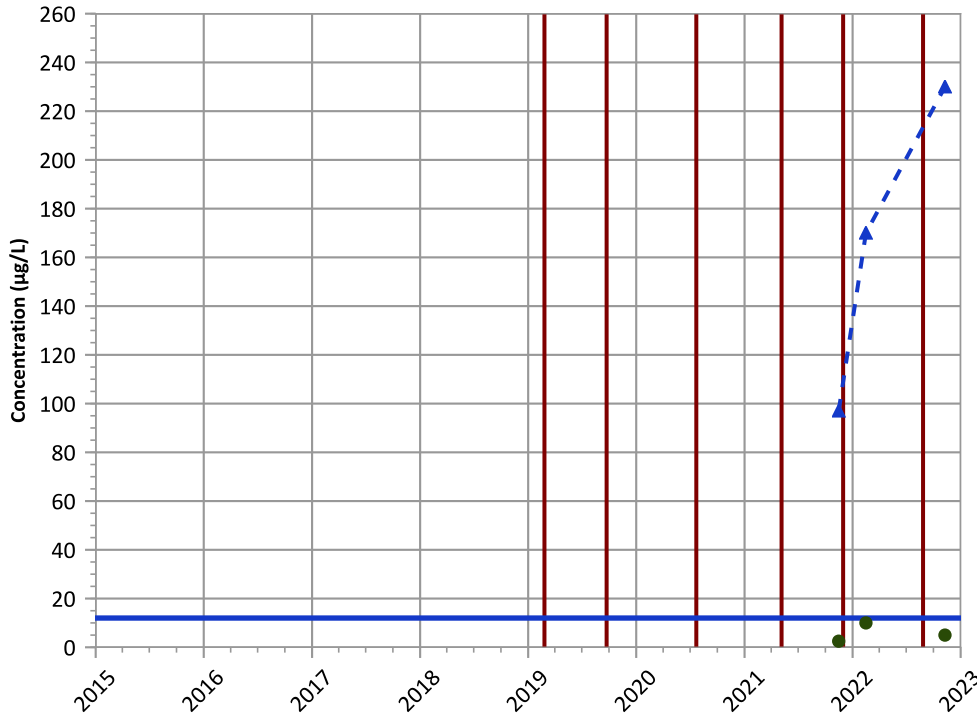


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

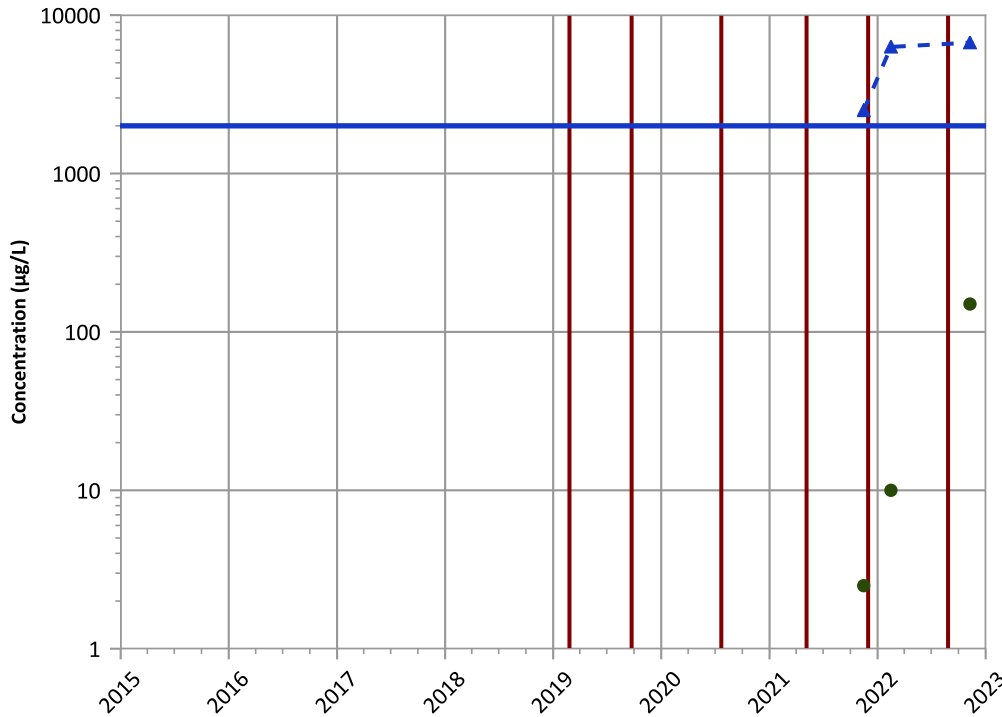
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

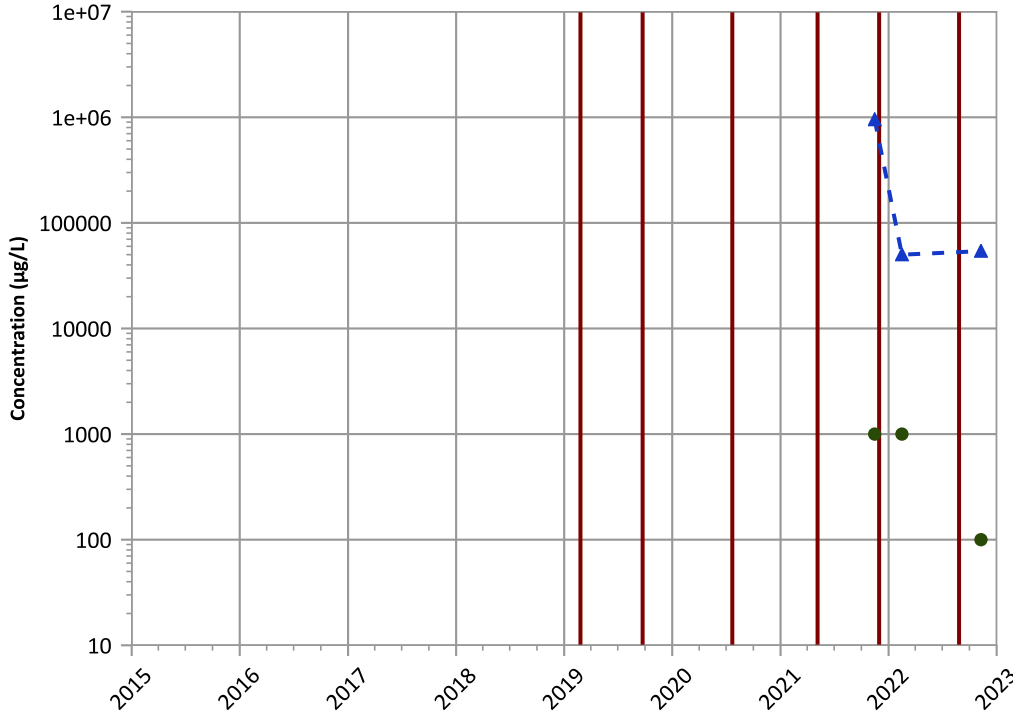


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

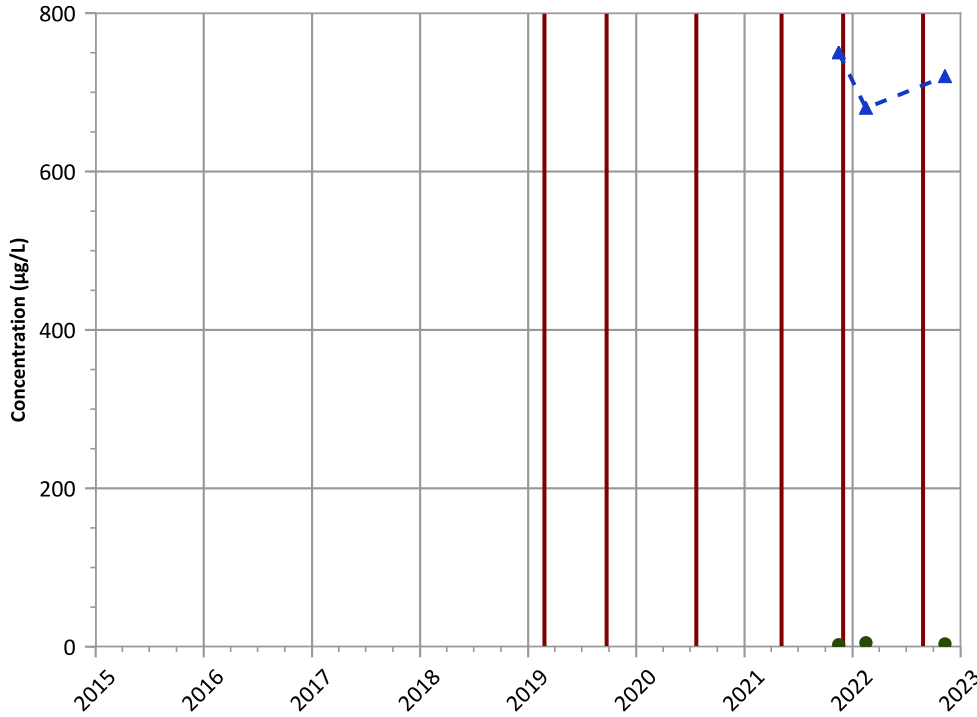
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)

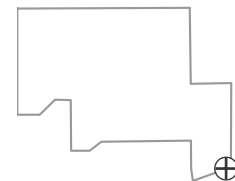
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

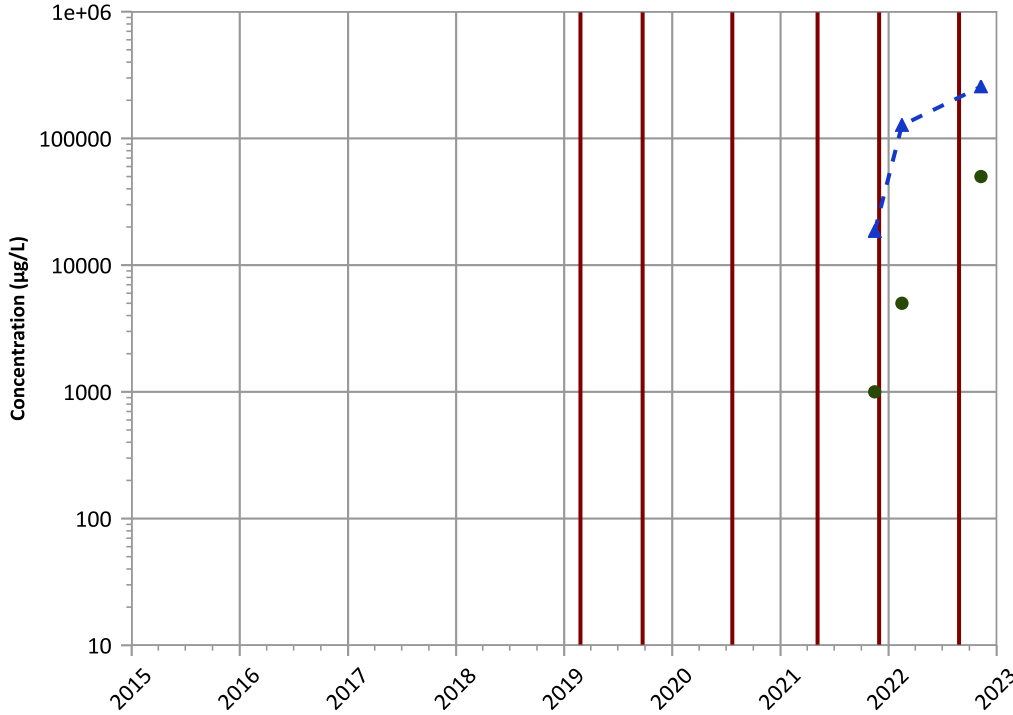


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

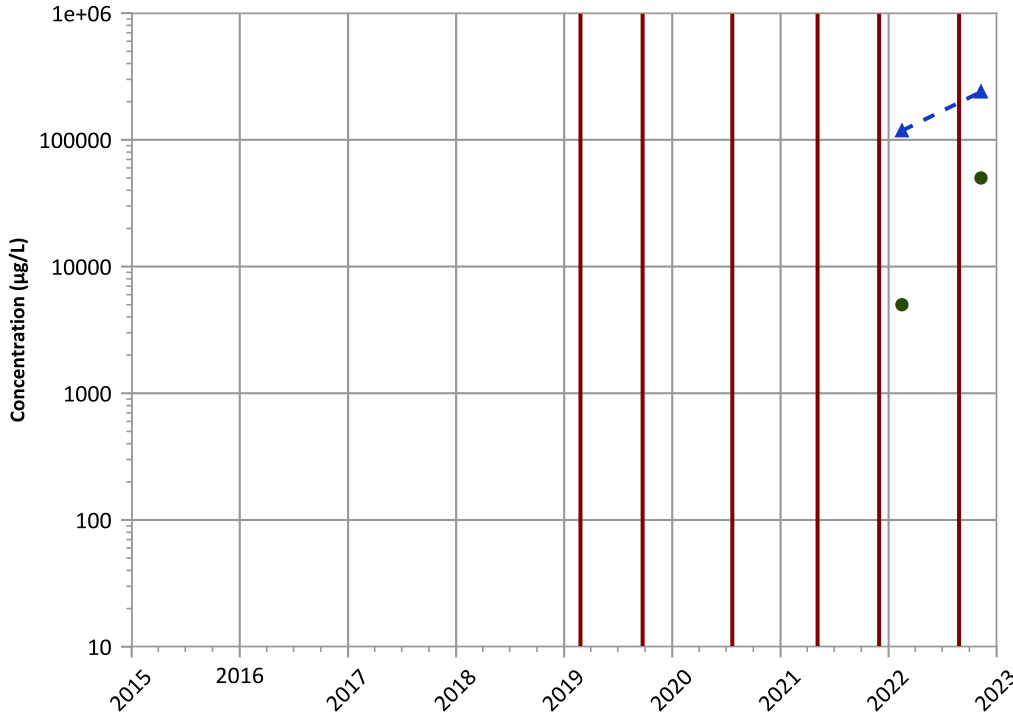
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Dissolved Organic Carbon (DOC) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

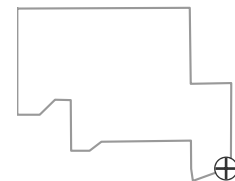
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

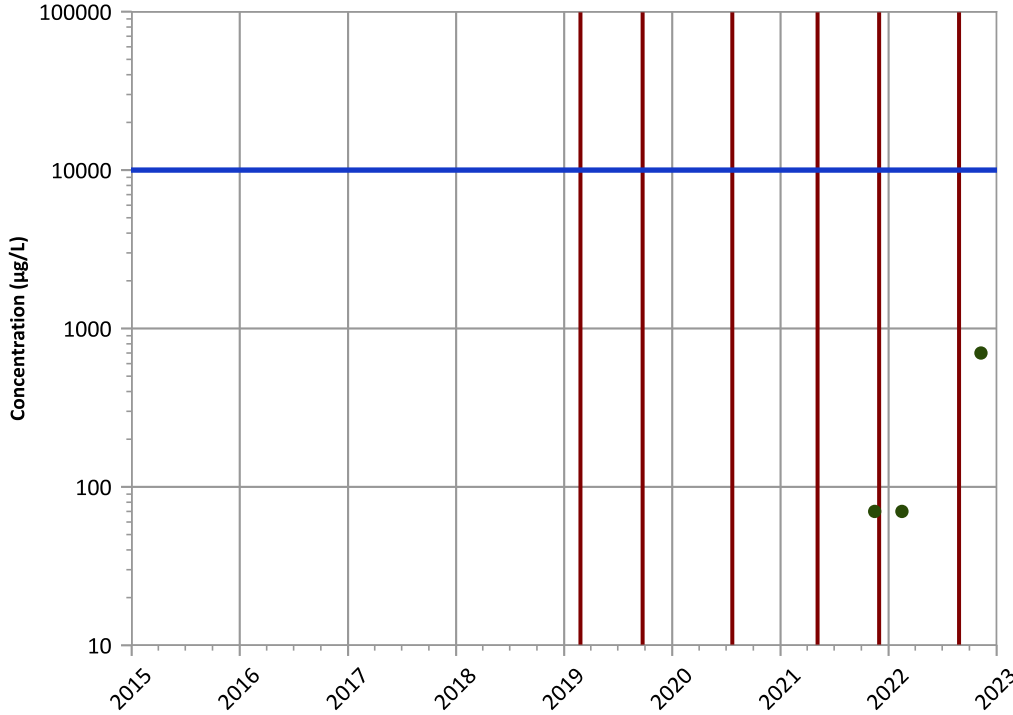


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1214 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

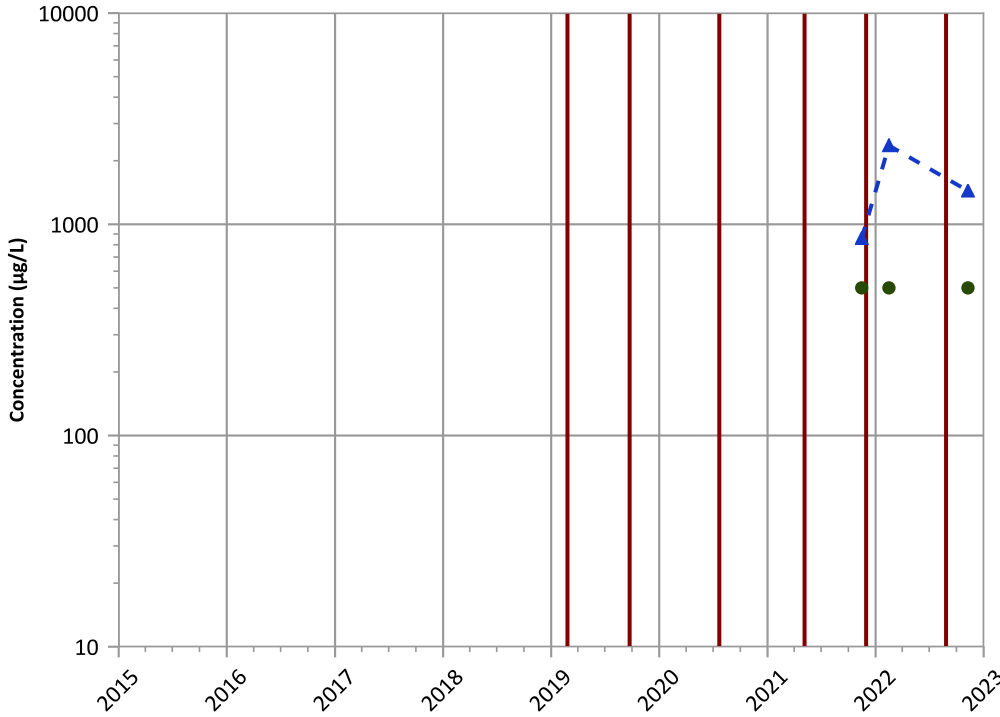


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Sulfate (as SO4) Trend

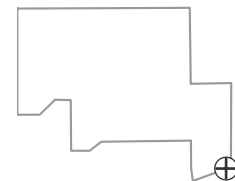


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

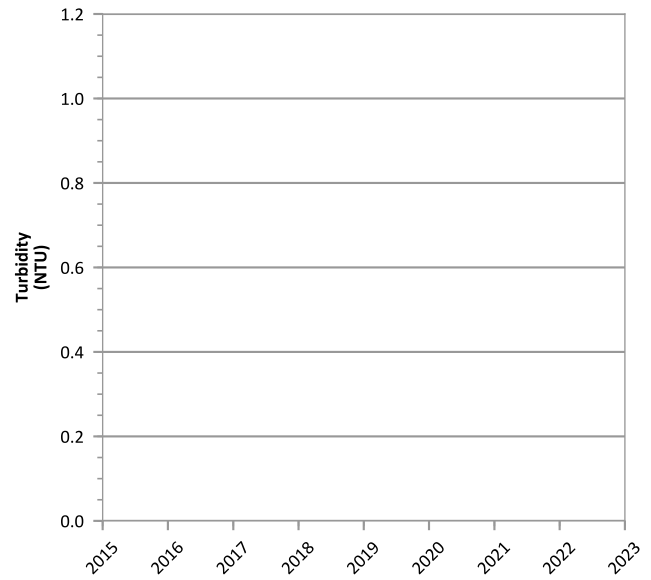
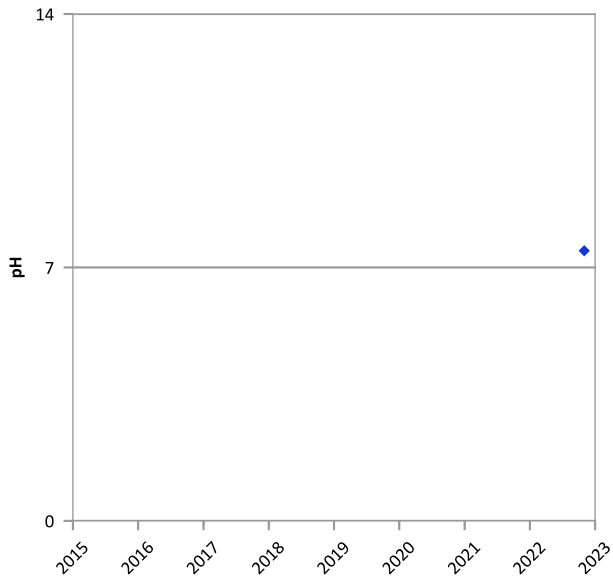
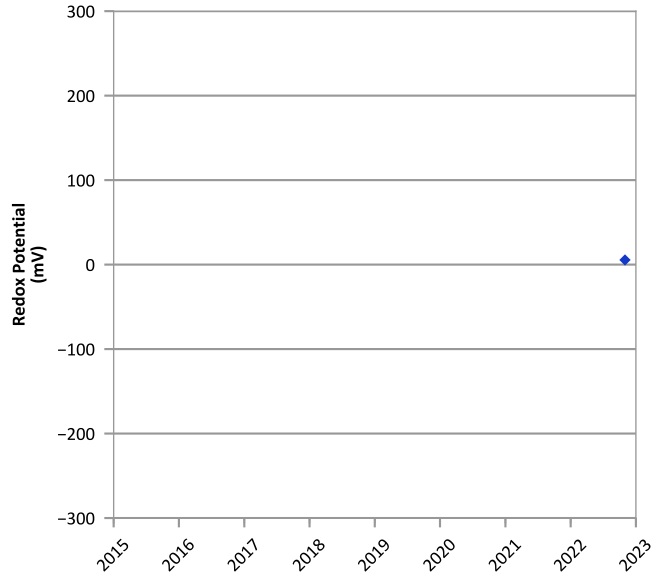
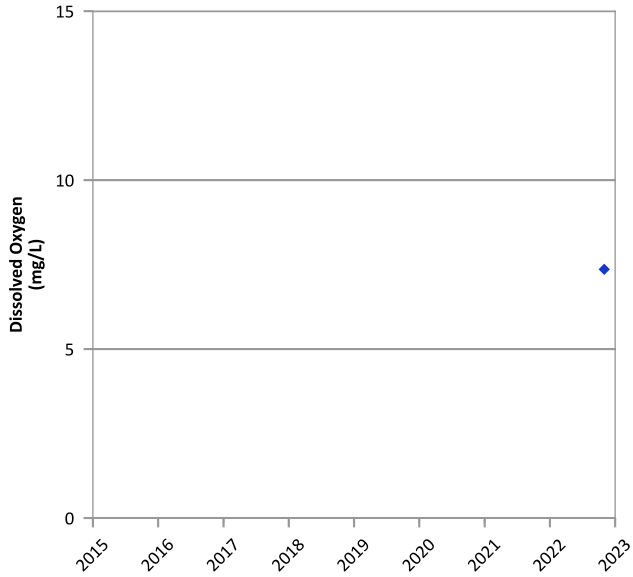
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/09/2022  
Analysis Date: 04/24/2023

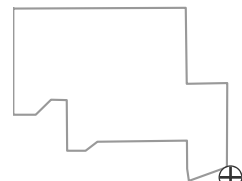
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

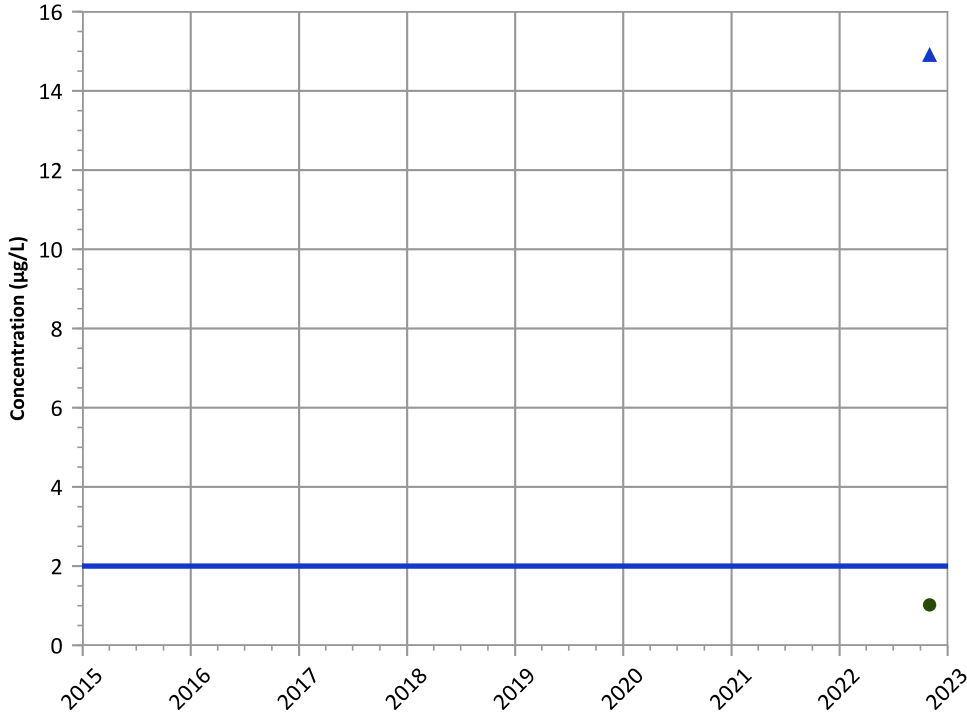
Well Location





PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

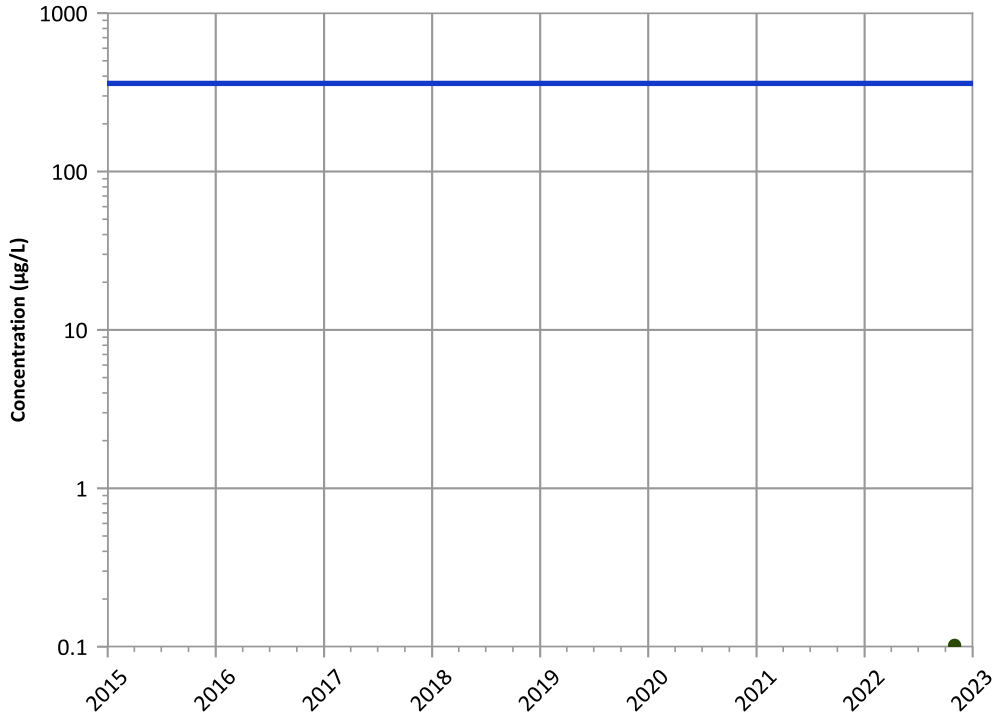
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

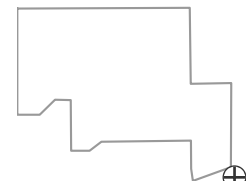
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location

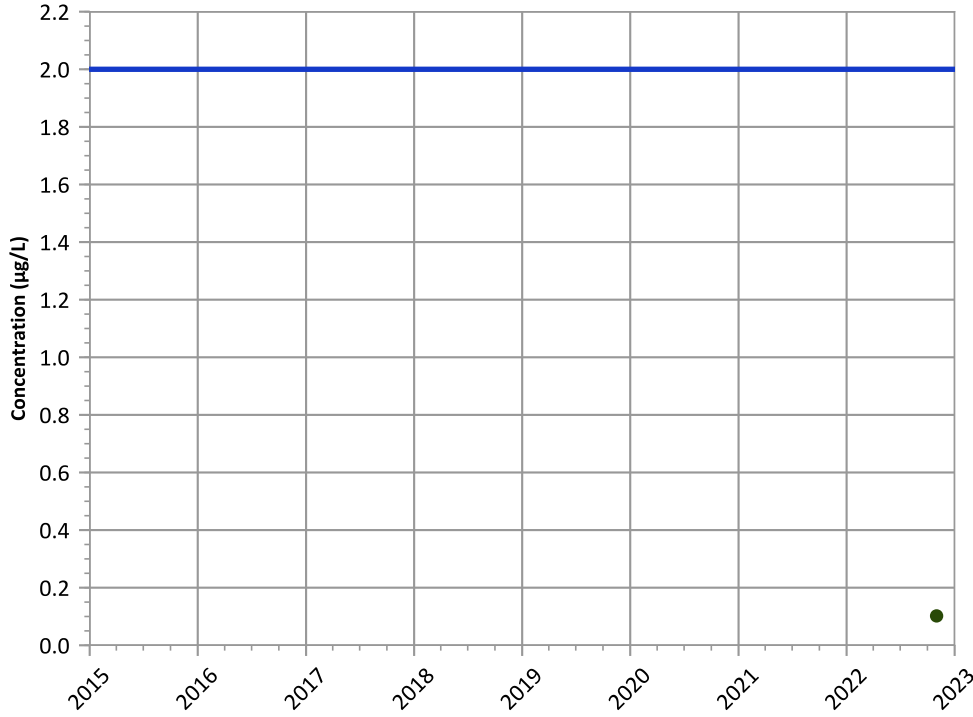


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

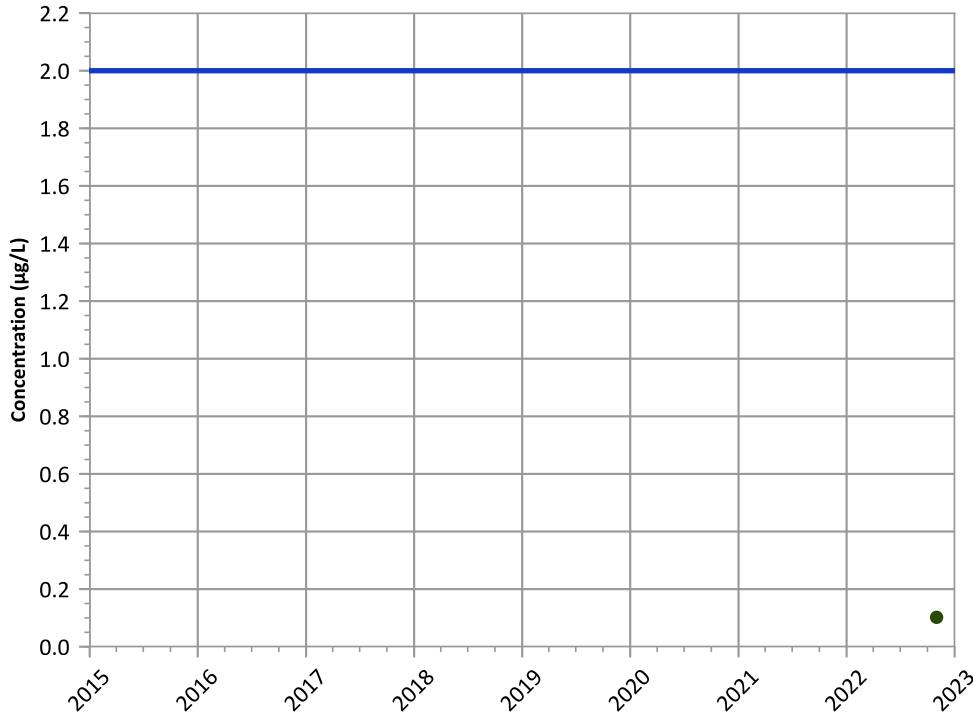


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

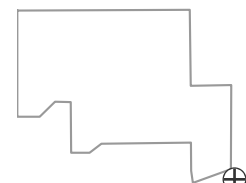


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

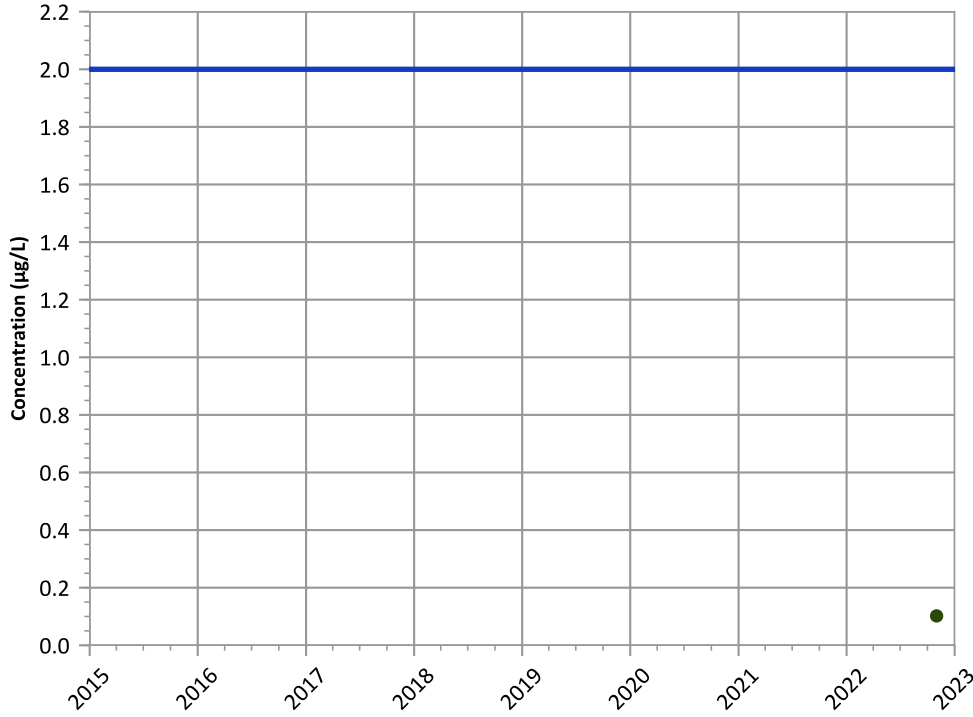


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

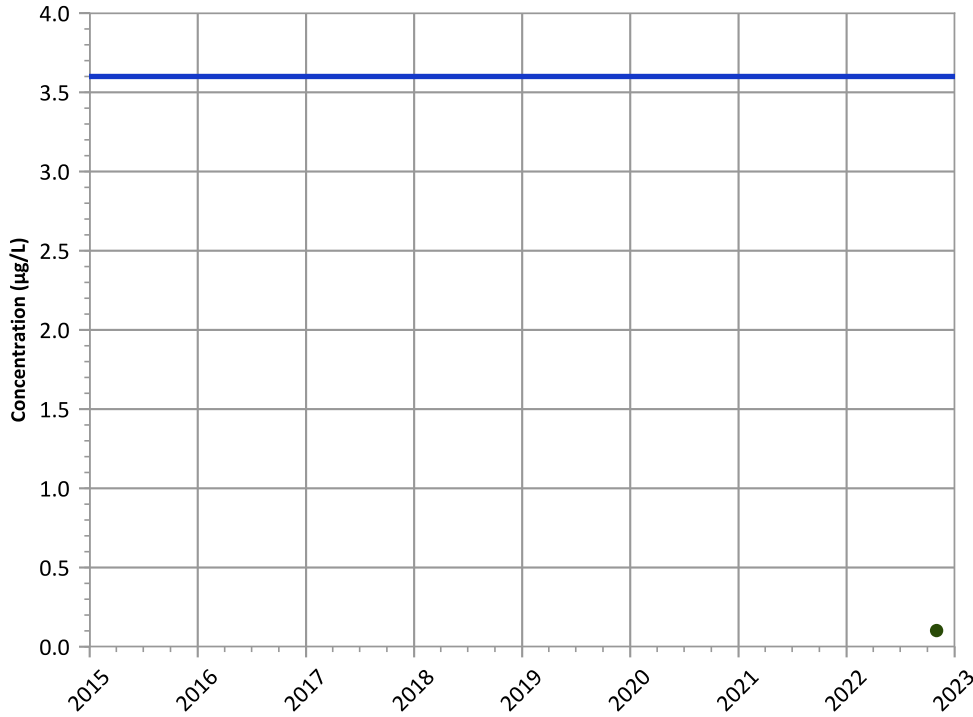


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend

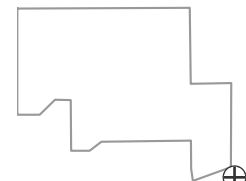


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

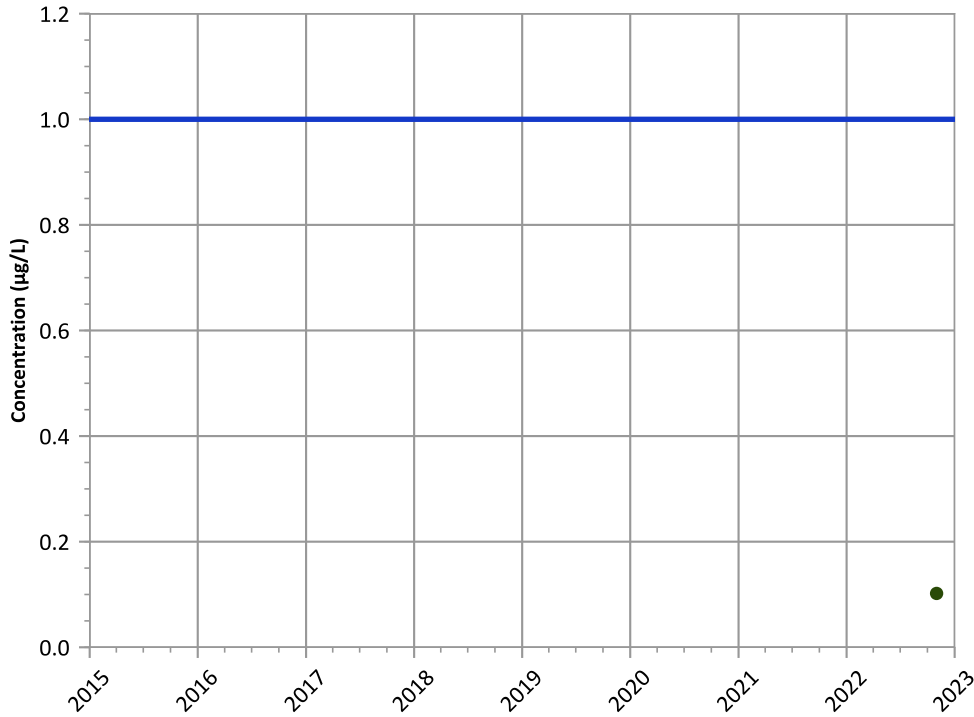
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

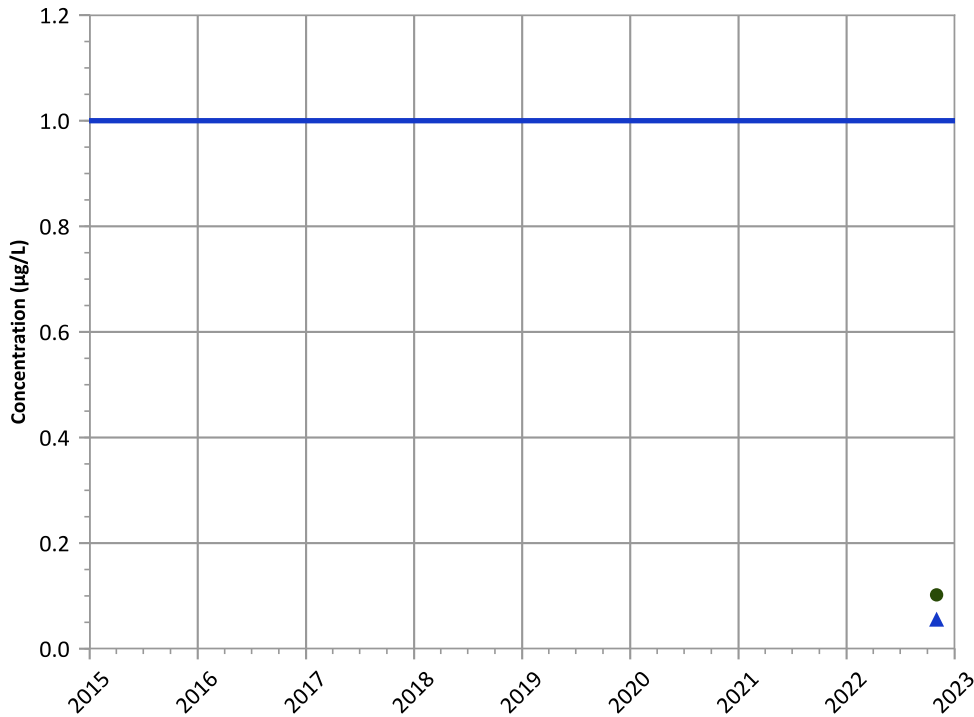


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

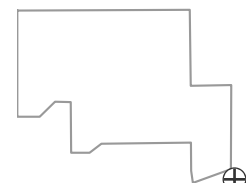


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

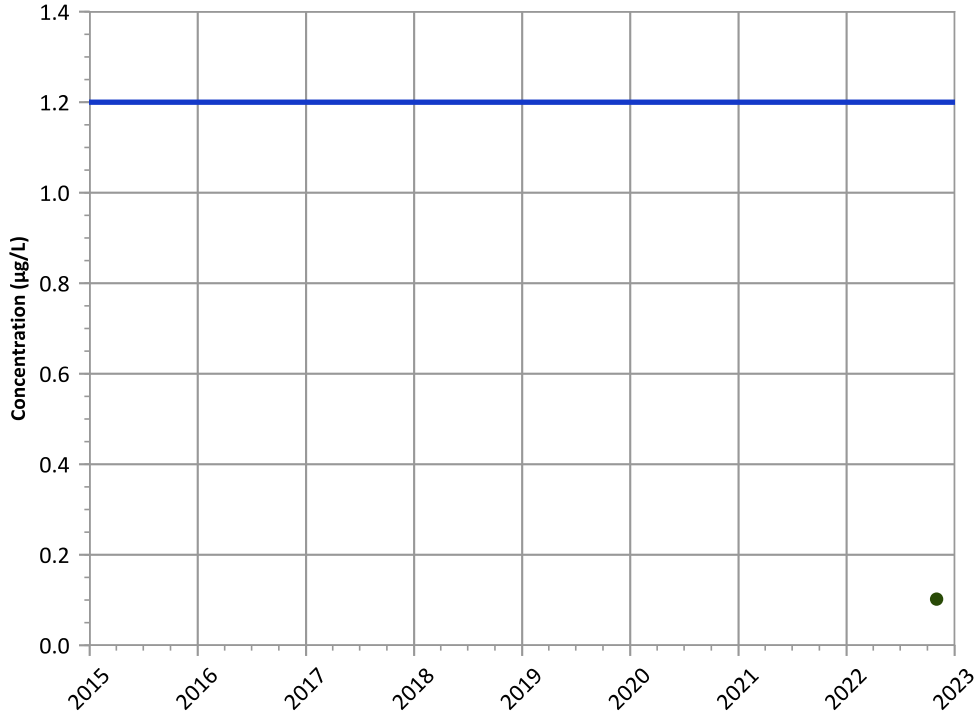


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

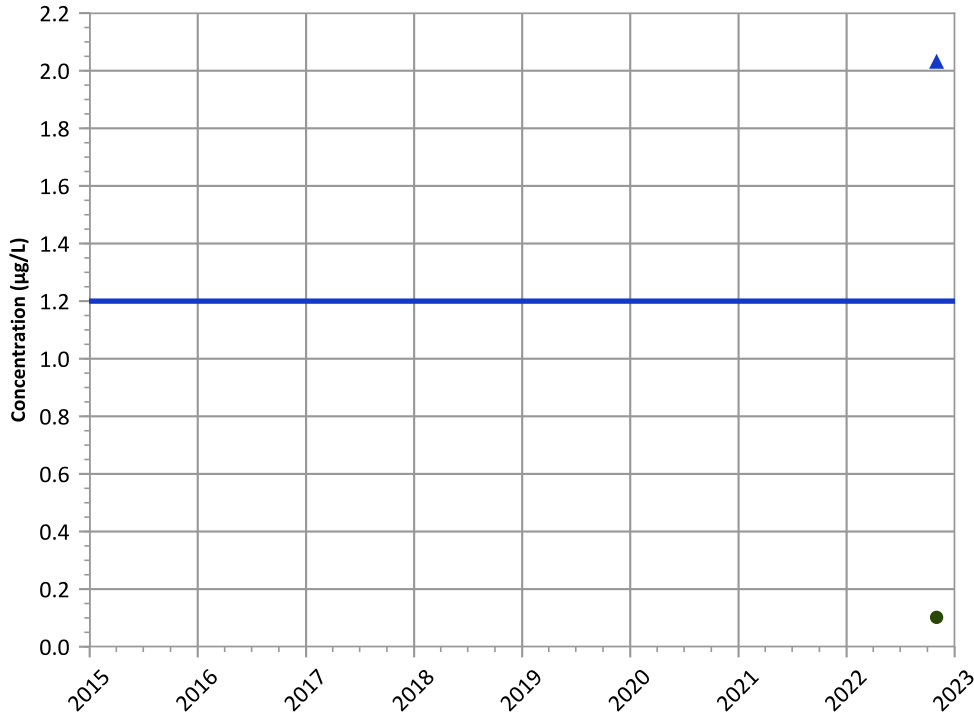


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend

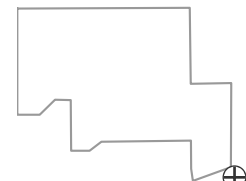


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

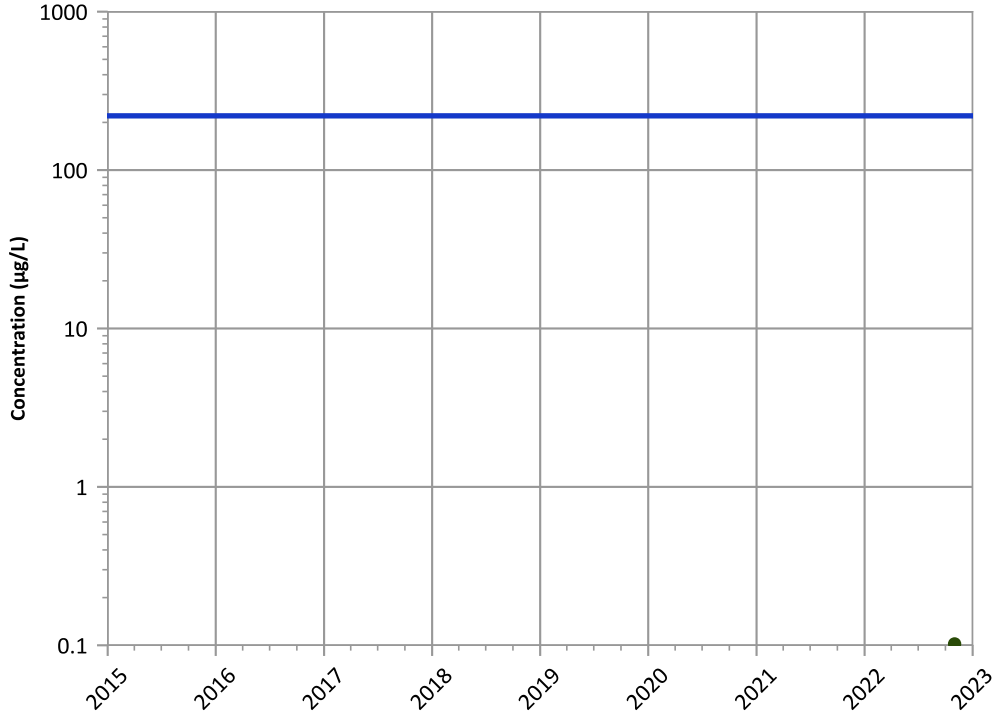


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

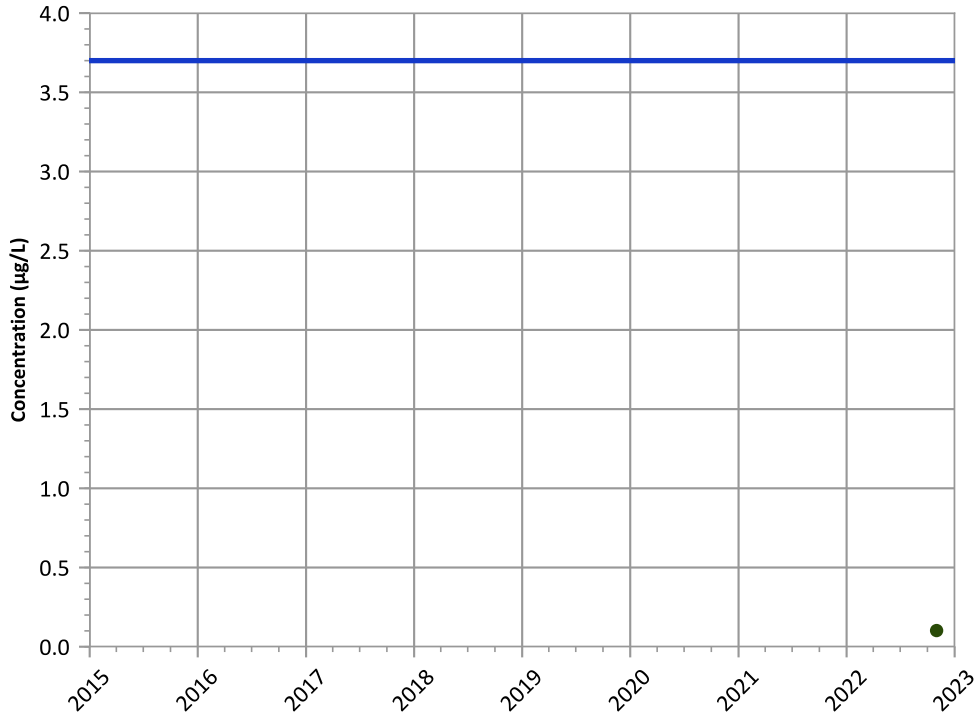
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

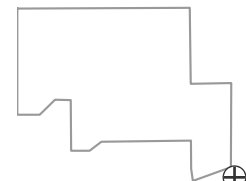
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location

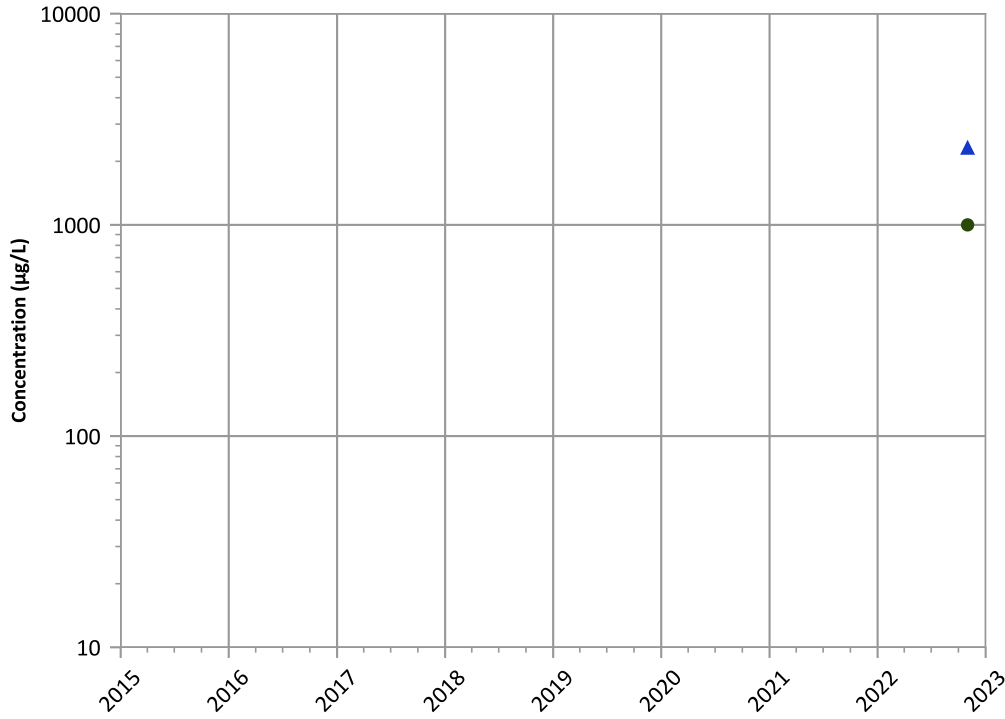


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1218 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

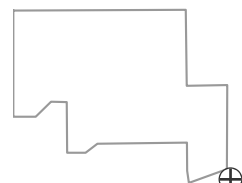
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

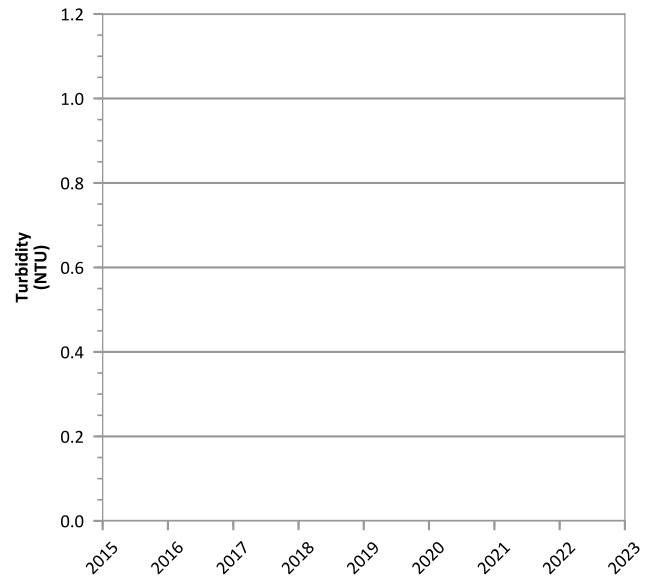
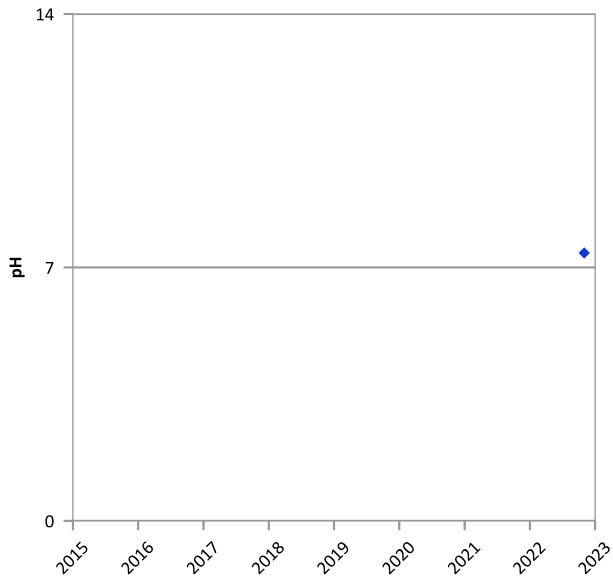
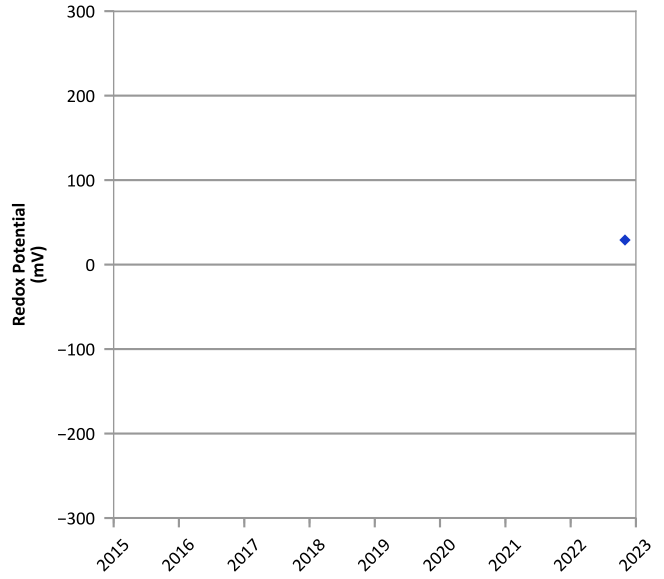
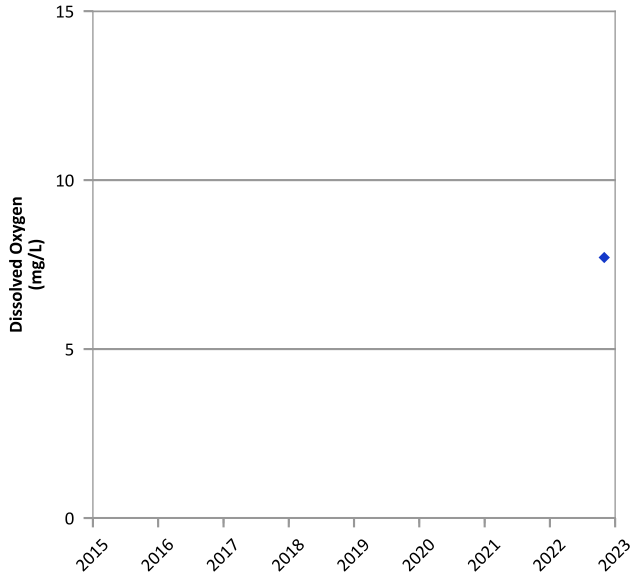
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

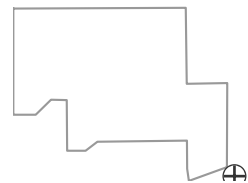


PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

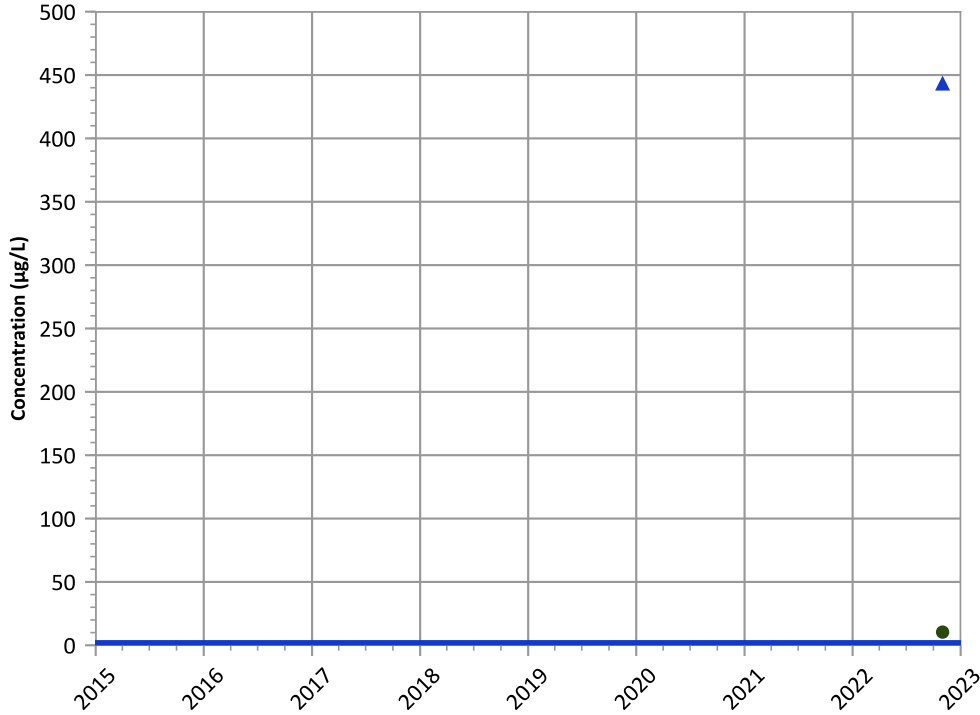
Well Location





PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

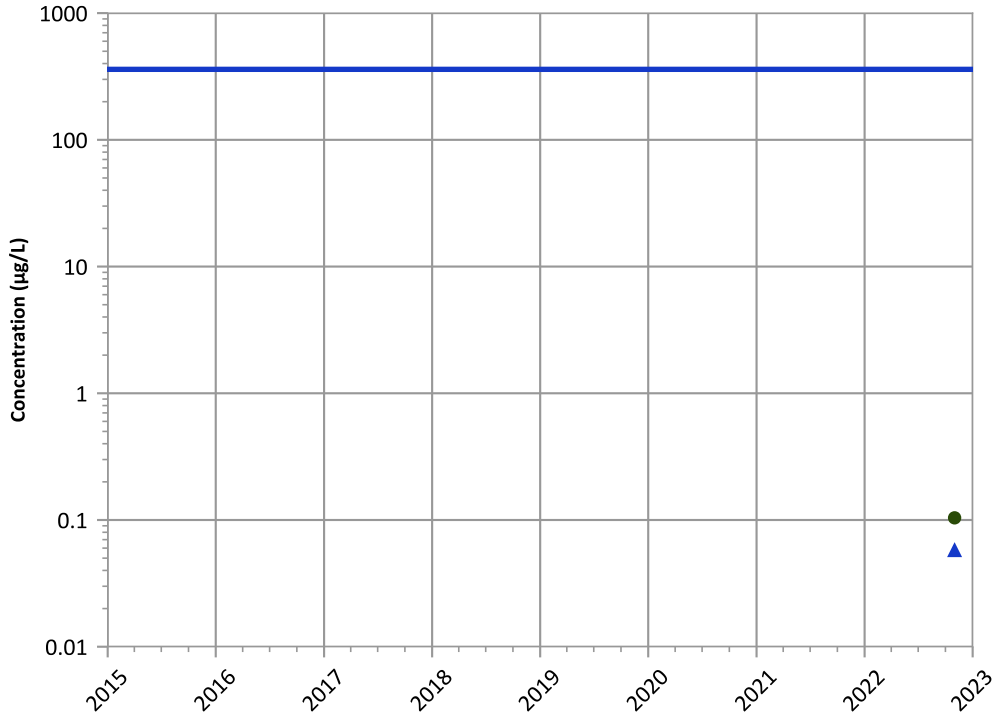


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

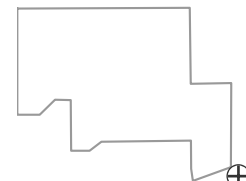


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

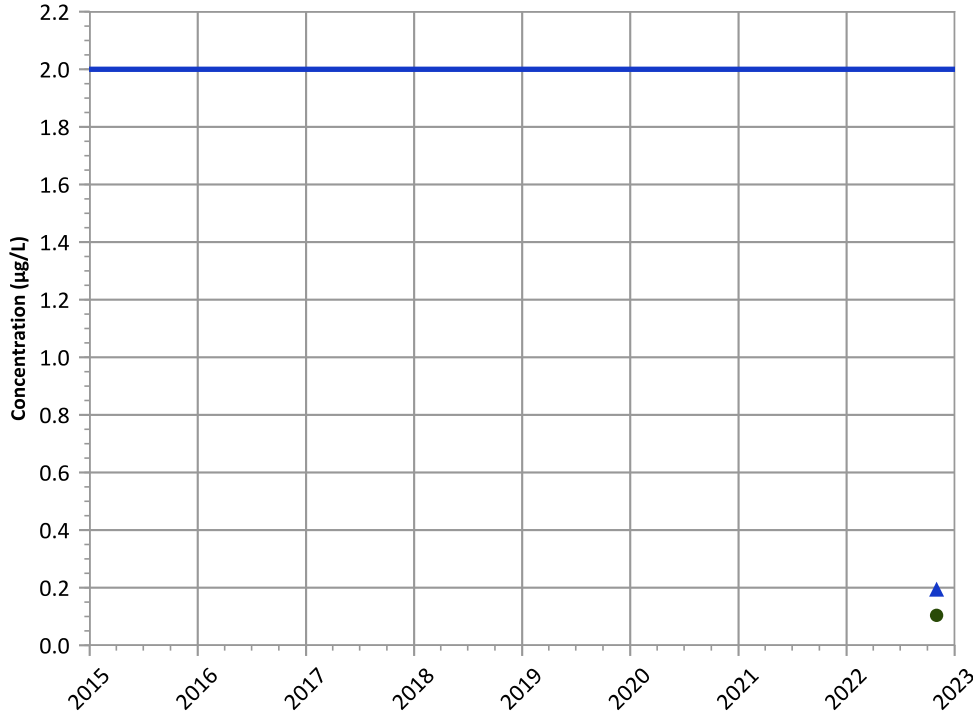


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

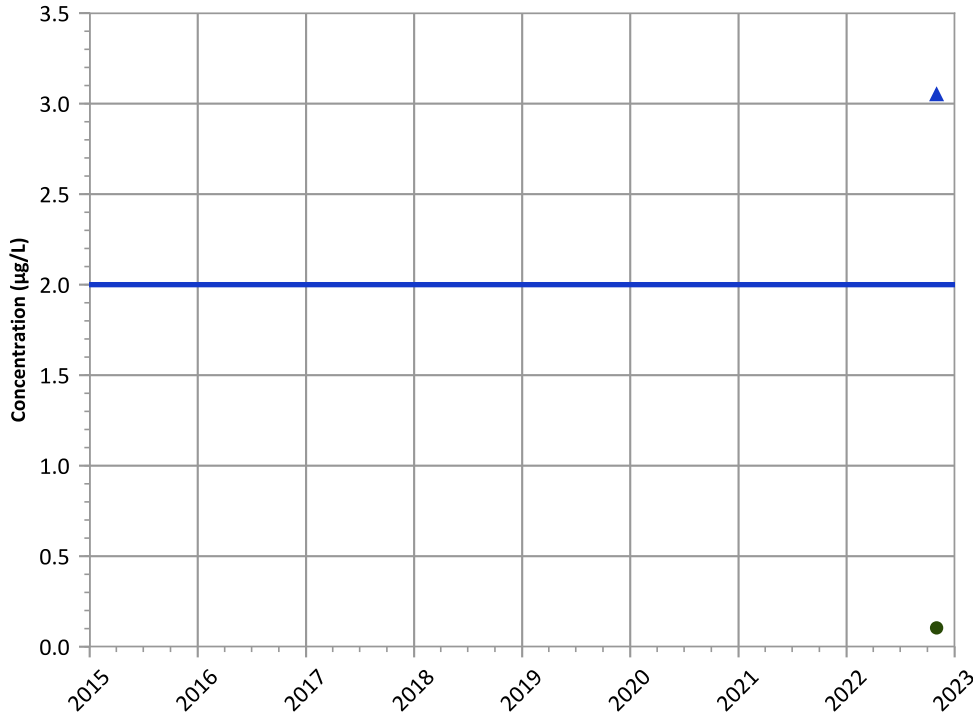


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

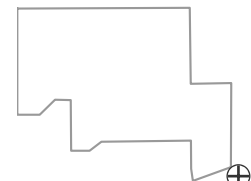
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

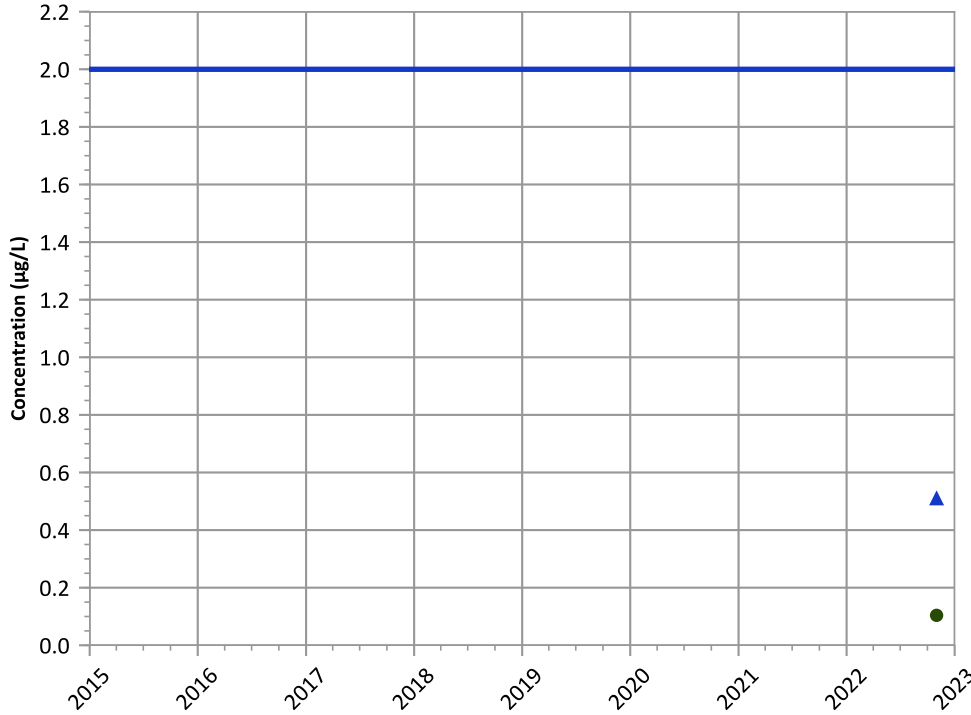
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

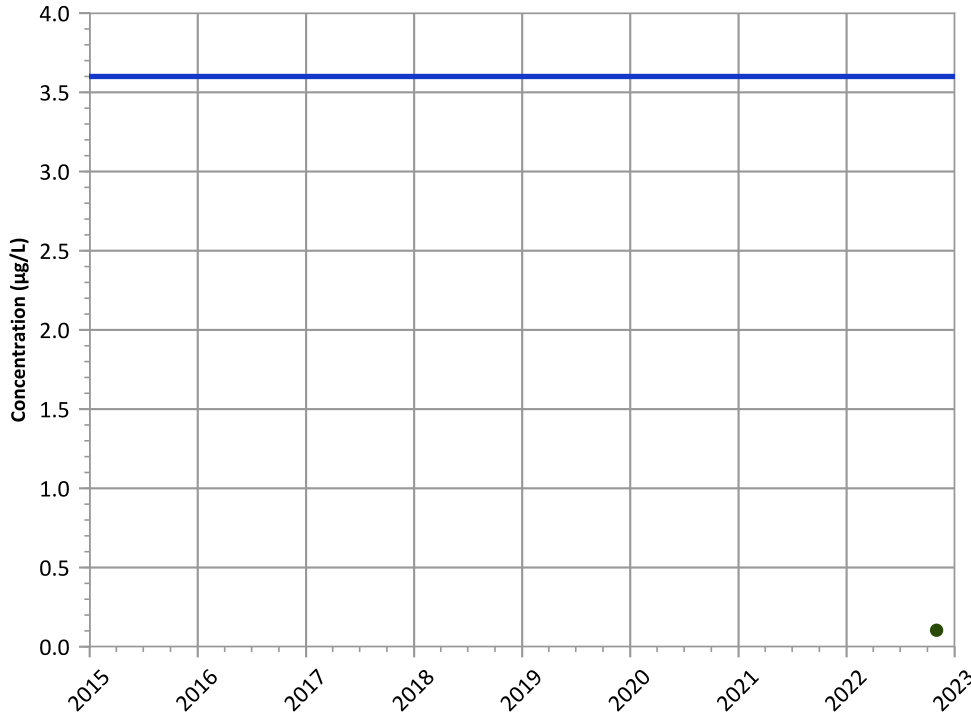


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

Well Location

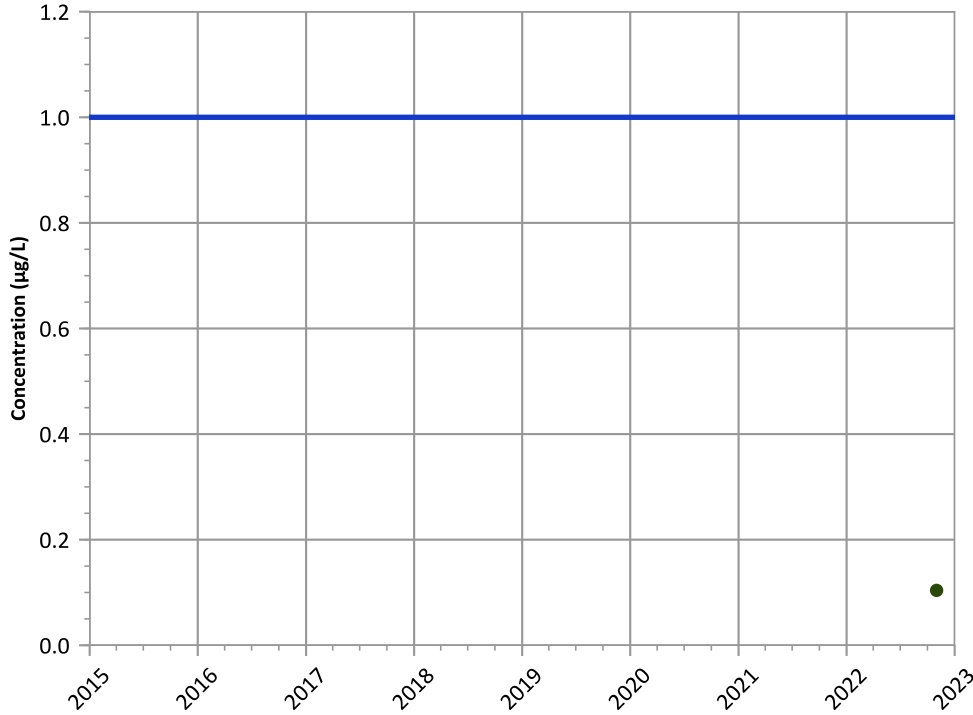


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

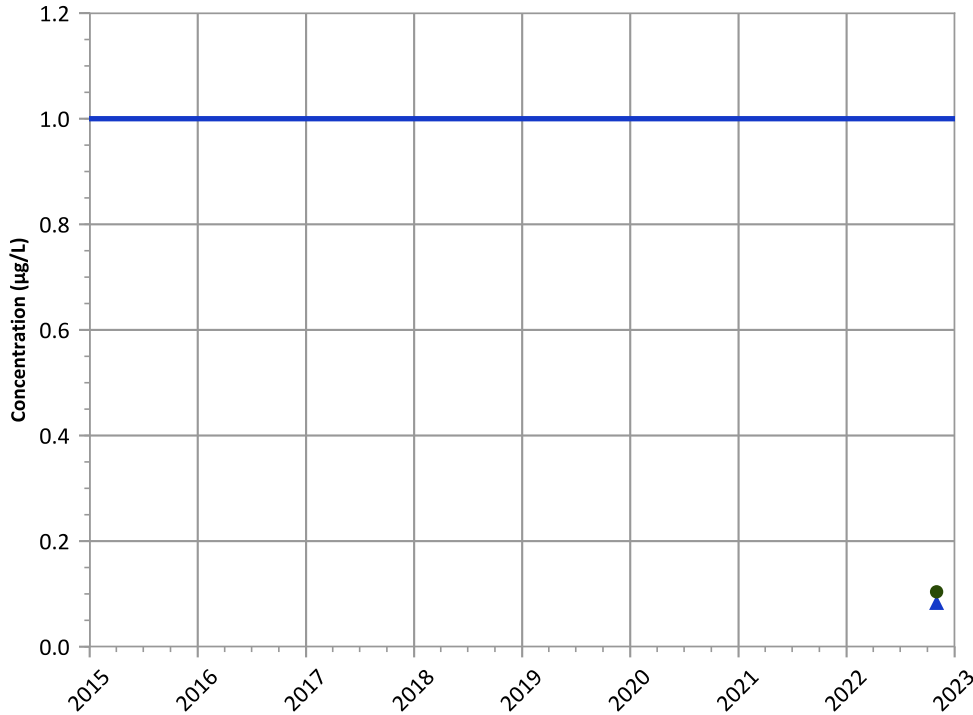


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend

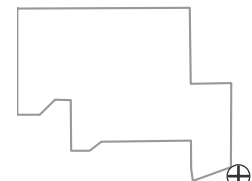


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

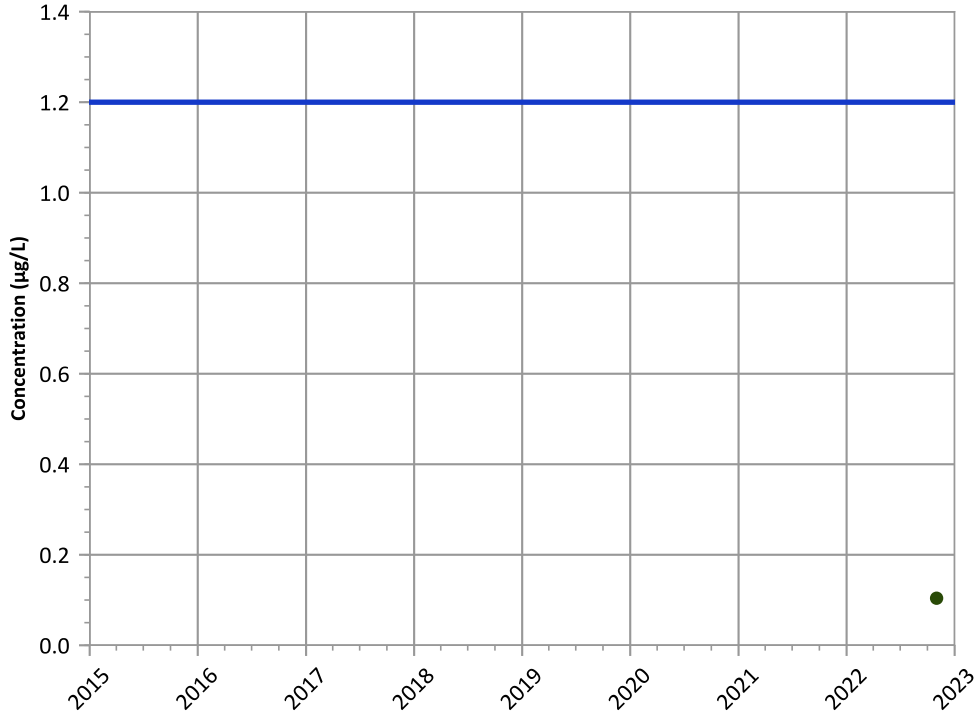


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

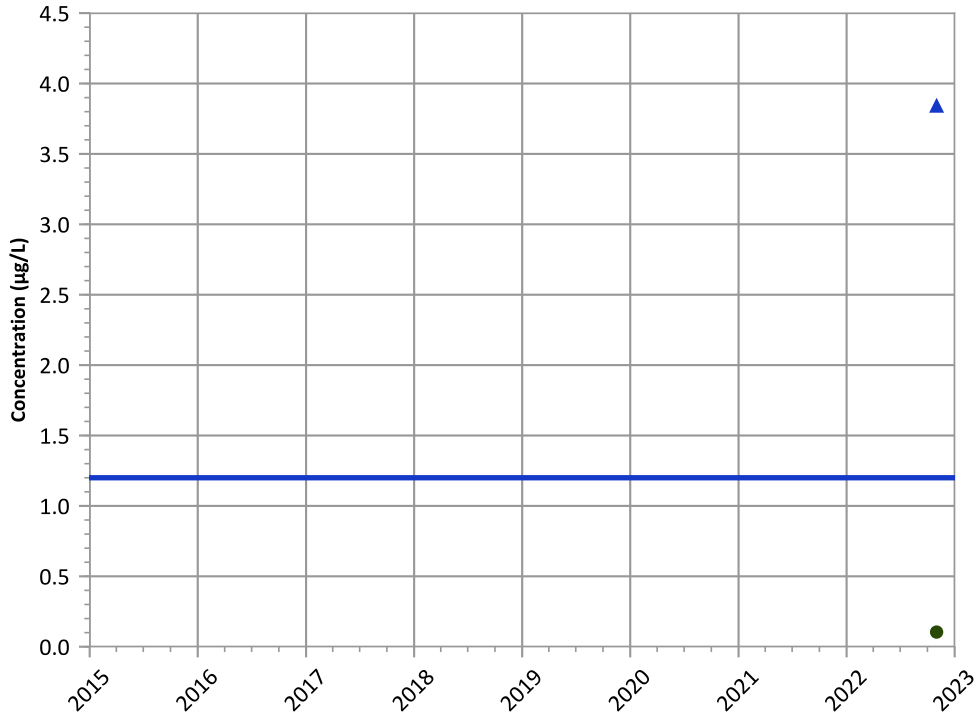


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend

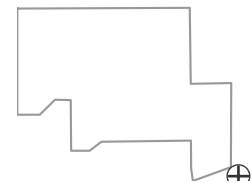


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

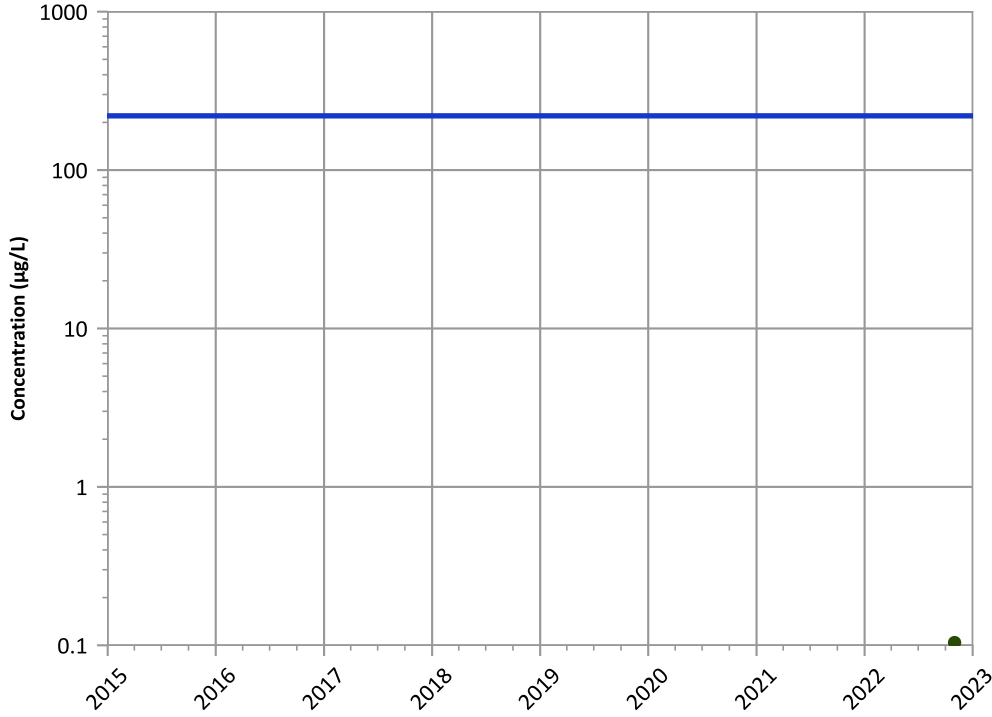


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

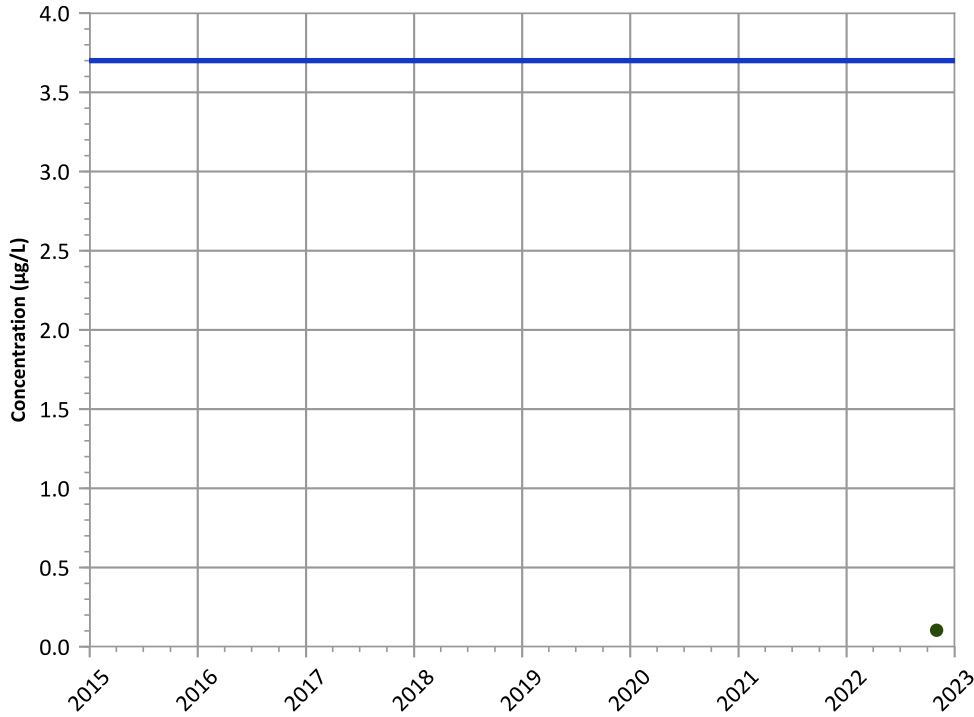
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location

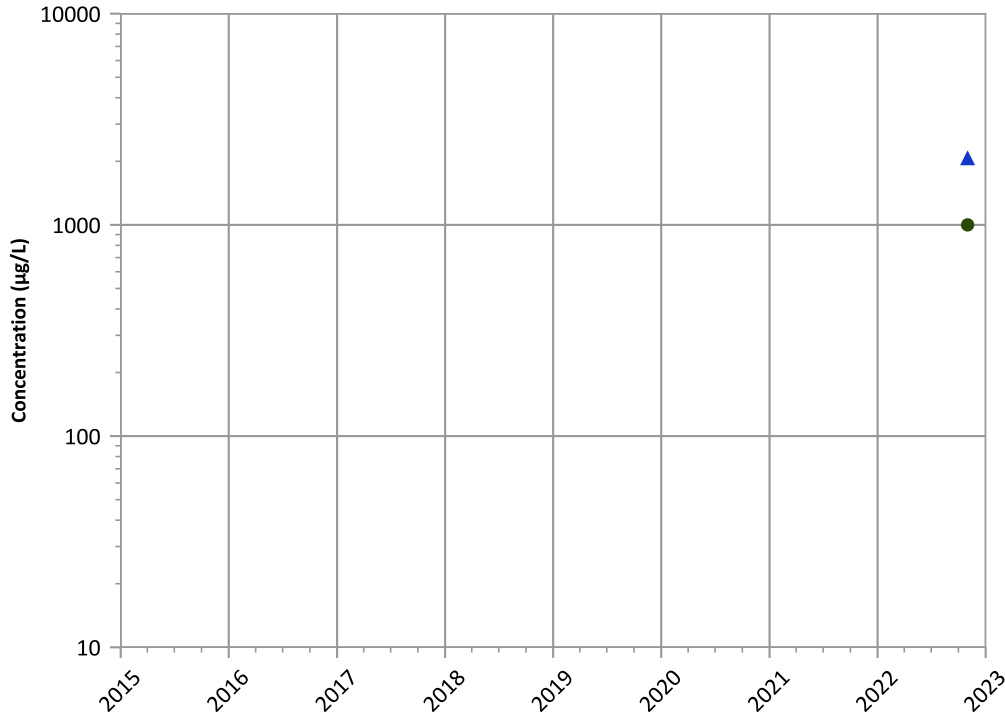


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-1219 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

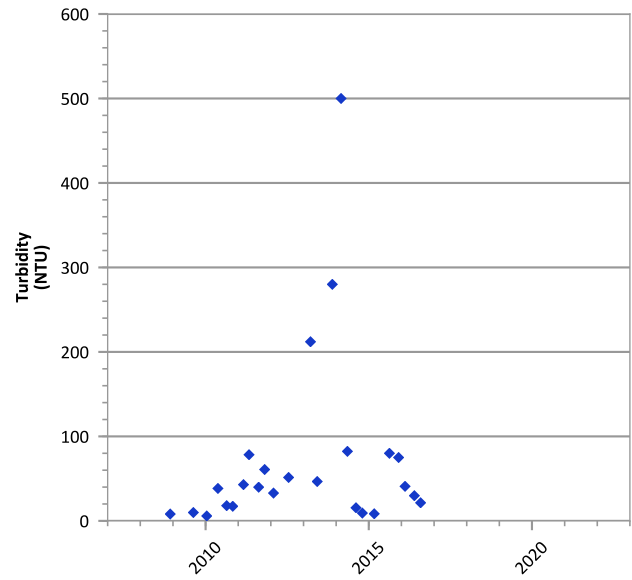
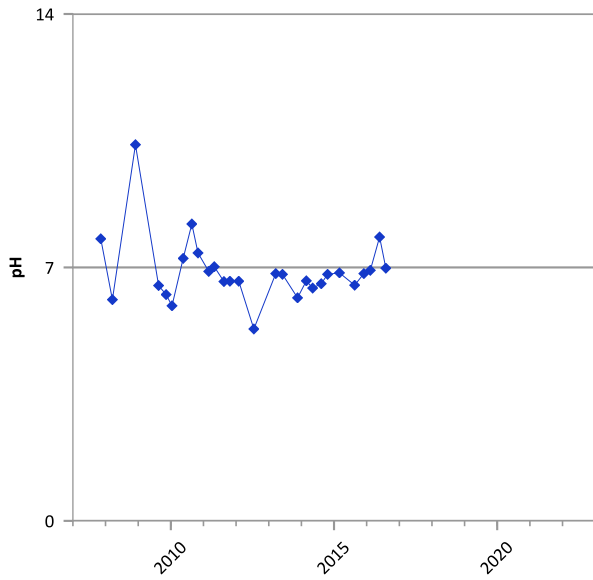
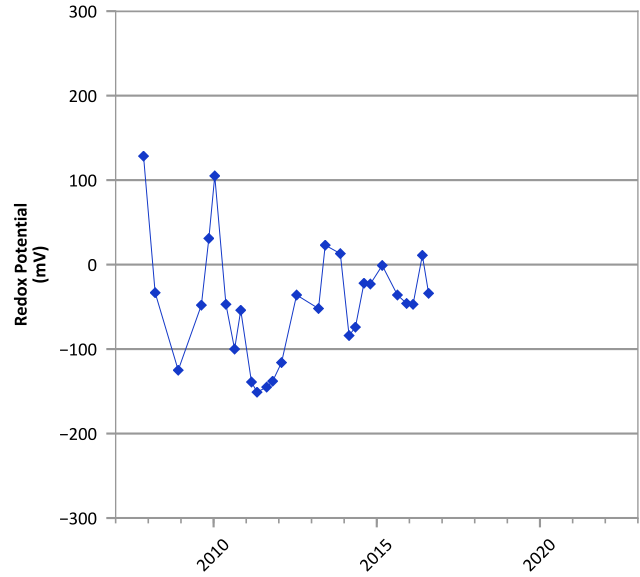
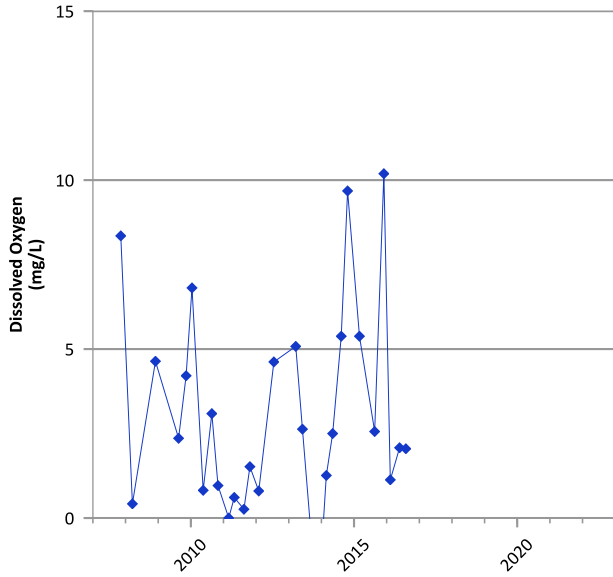
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2022 to 11/01/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



**PTX06-ISB014 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 11/09/2007 to 08/03/2016  
 Analysis Date: 04/24/2023

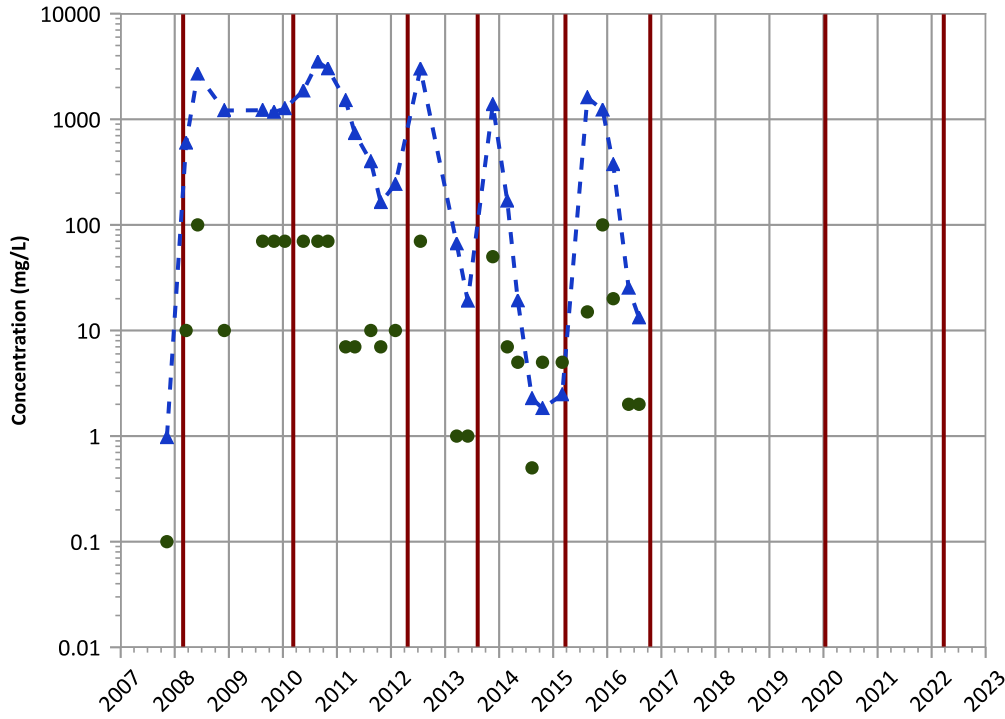
**Well Location**





PTX06-ISB014 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

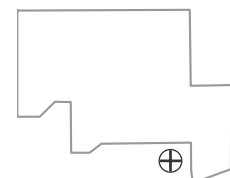
2020 - 2022 Data:

Decreasing

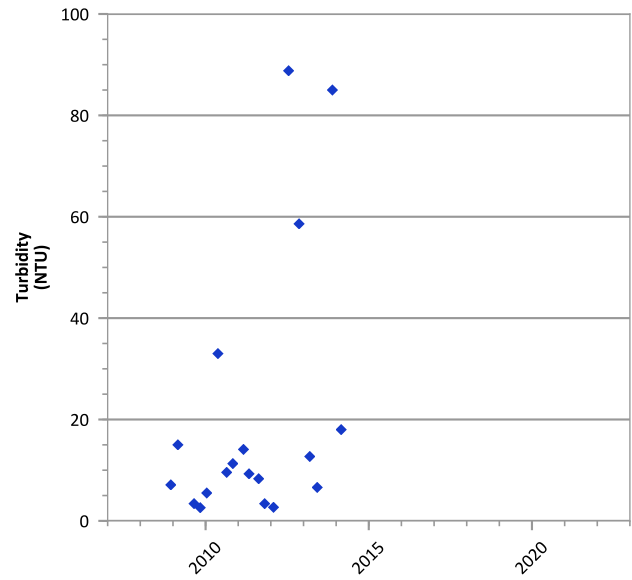
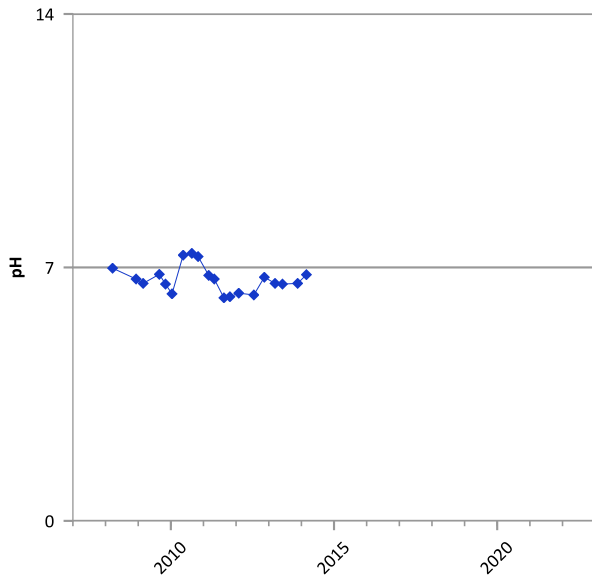
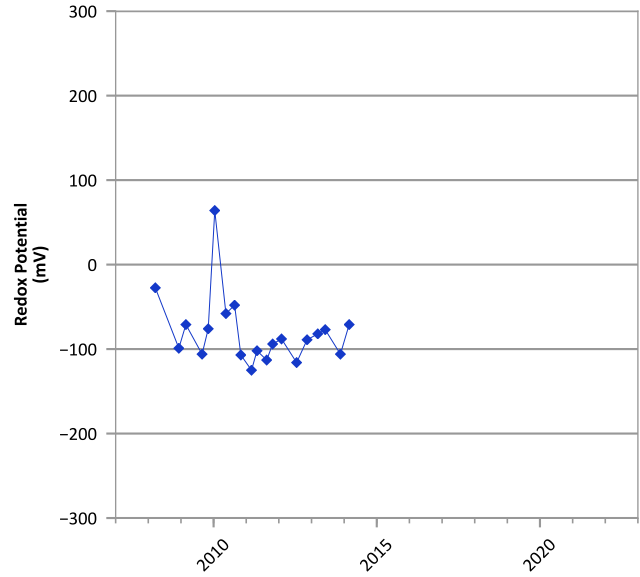
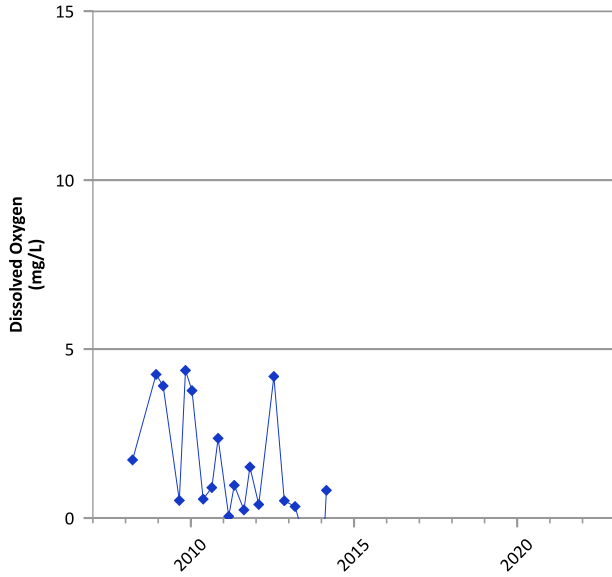
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/03/2016  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

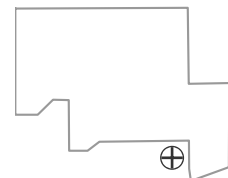


PTX06-ISB019 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Field Parameters



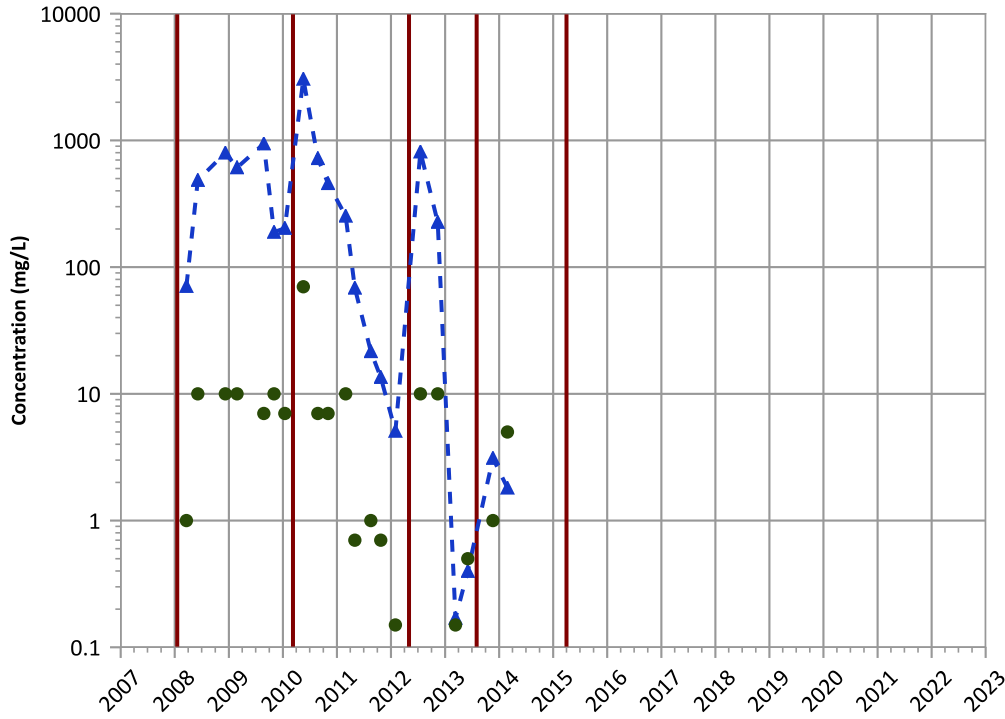
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/20/2008 to 02/26/2014  
 Analysis Date: 04/24/2023

Well Location



PTX06-ISB019 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

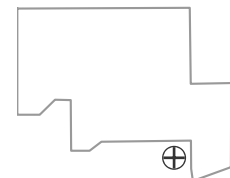
2020 - 2022 Data:

Increasing

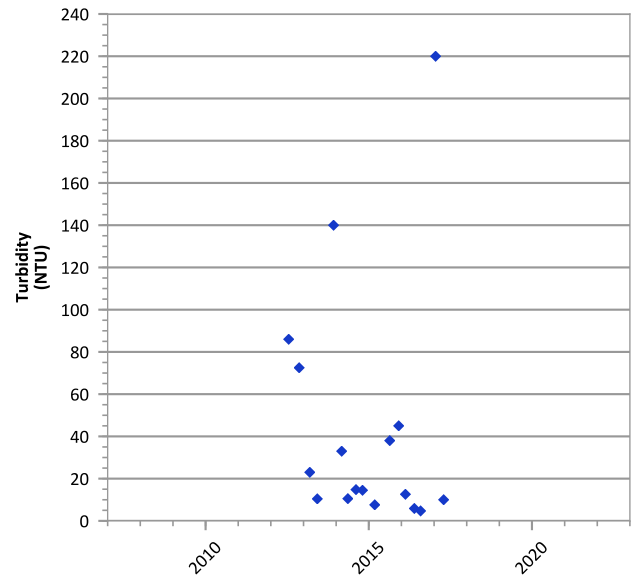
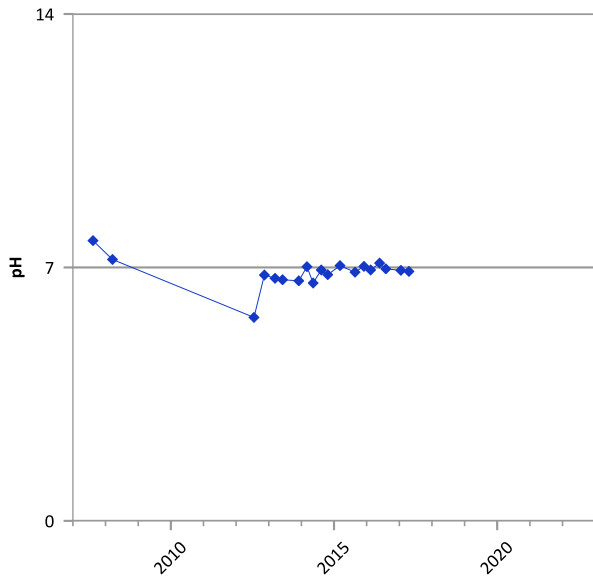
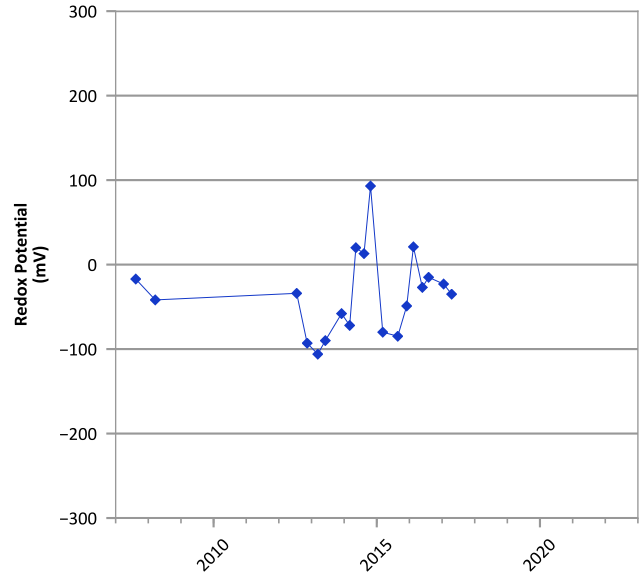
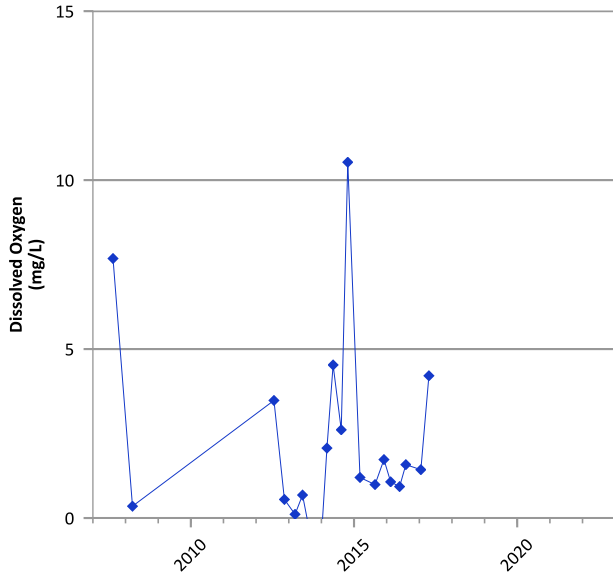
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/20/2008 to 02/26/2014  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

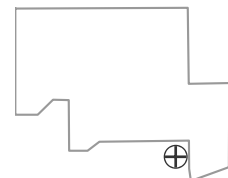


**PTX06-ISB024 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



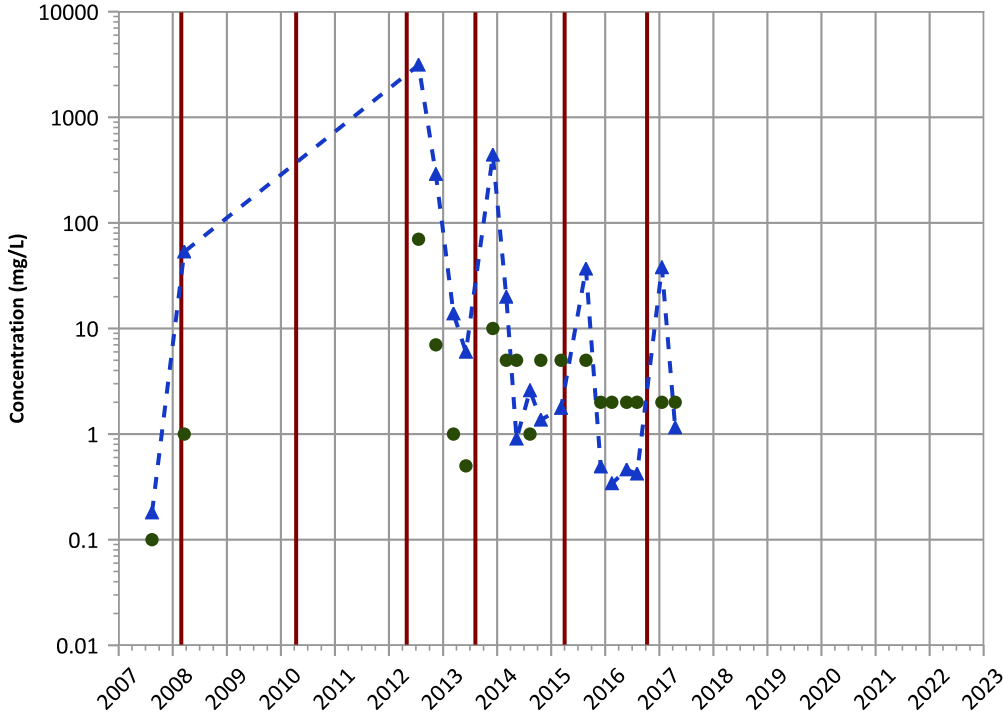
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 08/14/2007 to 04/18/2017  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB024 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Decreasing

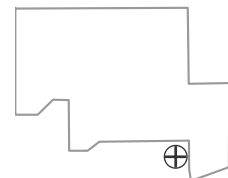
2020 - 2022 Data:

No Trend

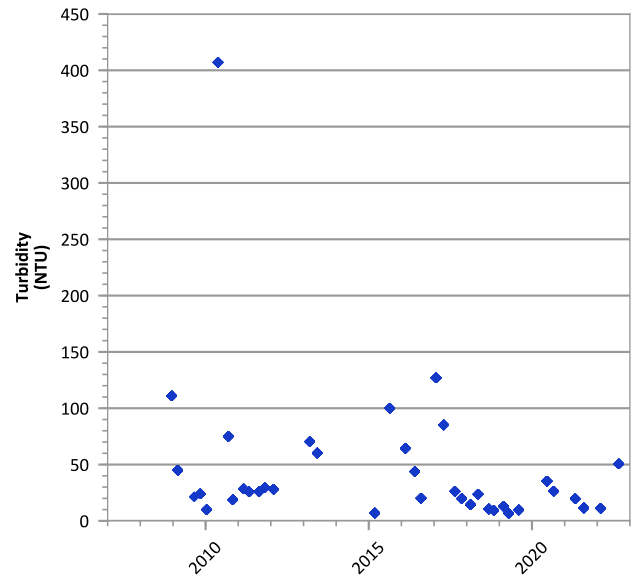
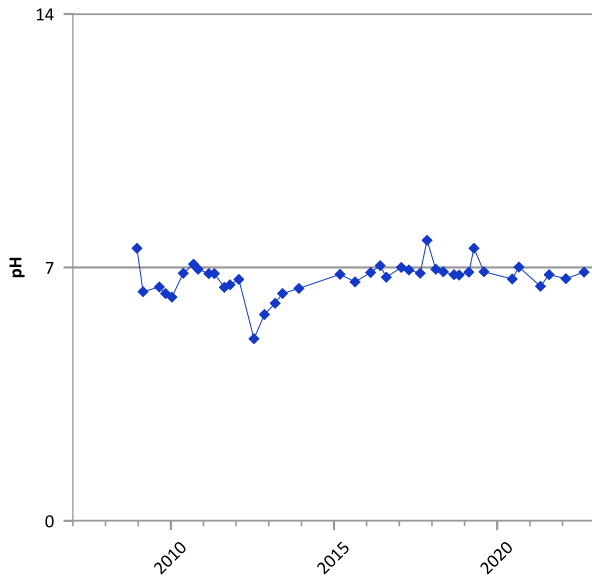
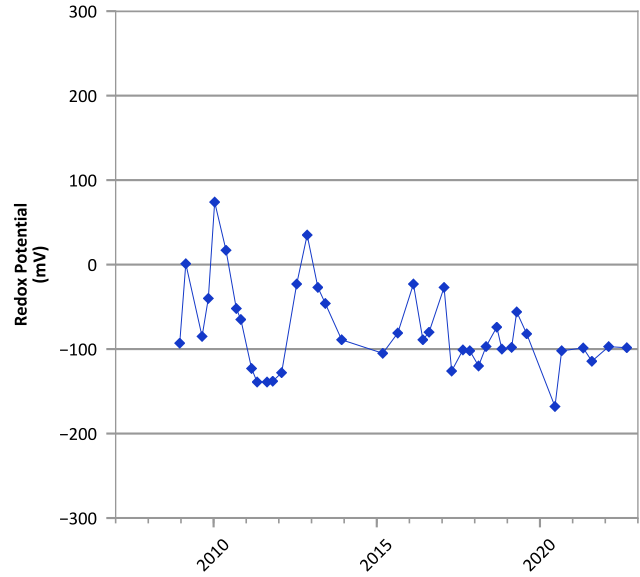
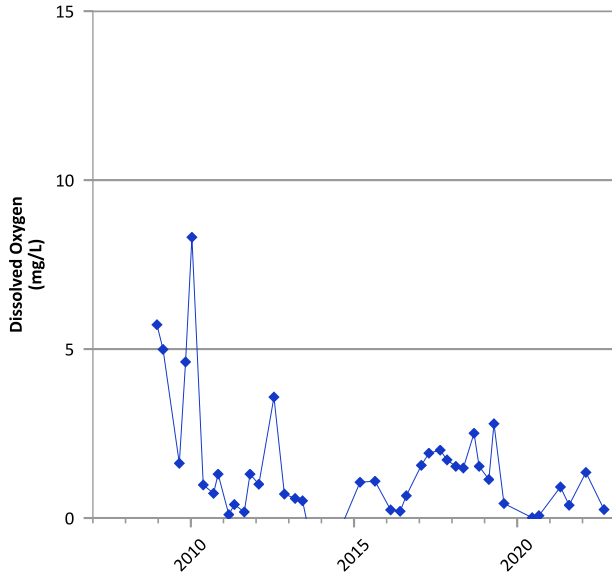
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/14/2007 to 04/18/2017  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**Well Location**

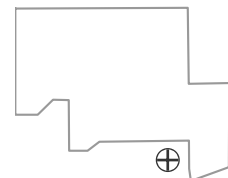


**PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



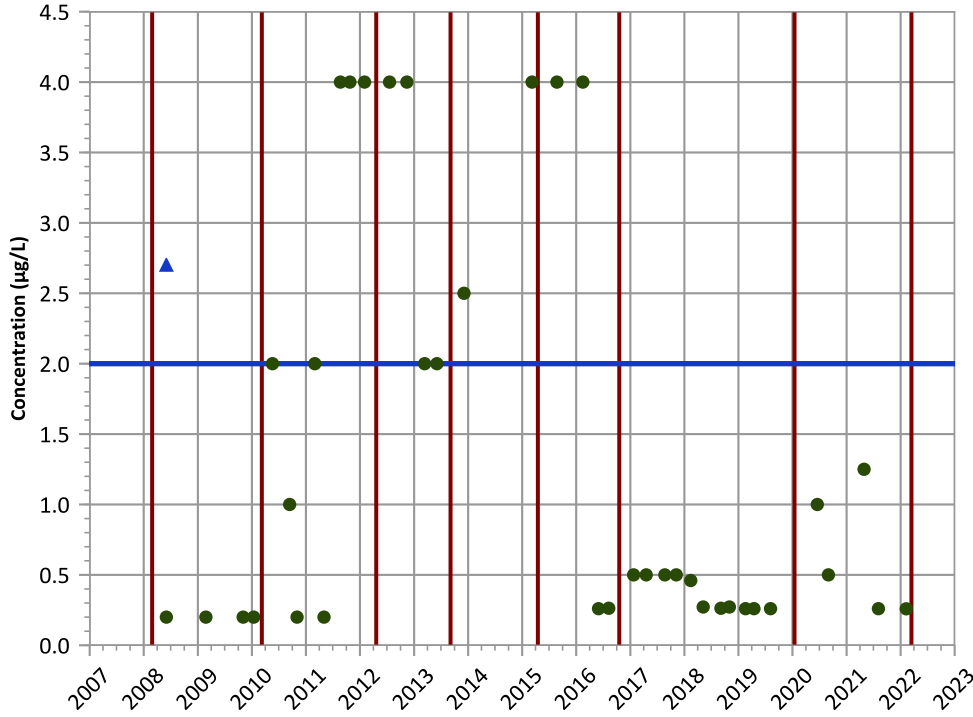
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 05/29/2008 to 08/30/2022  
 Analysis Date: 04/24/2023

Well Location



PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

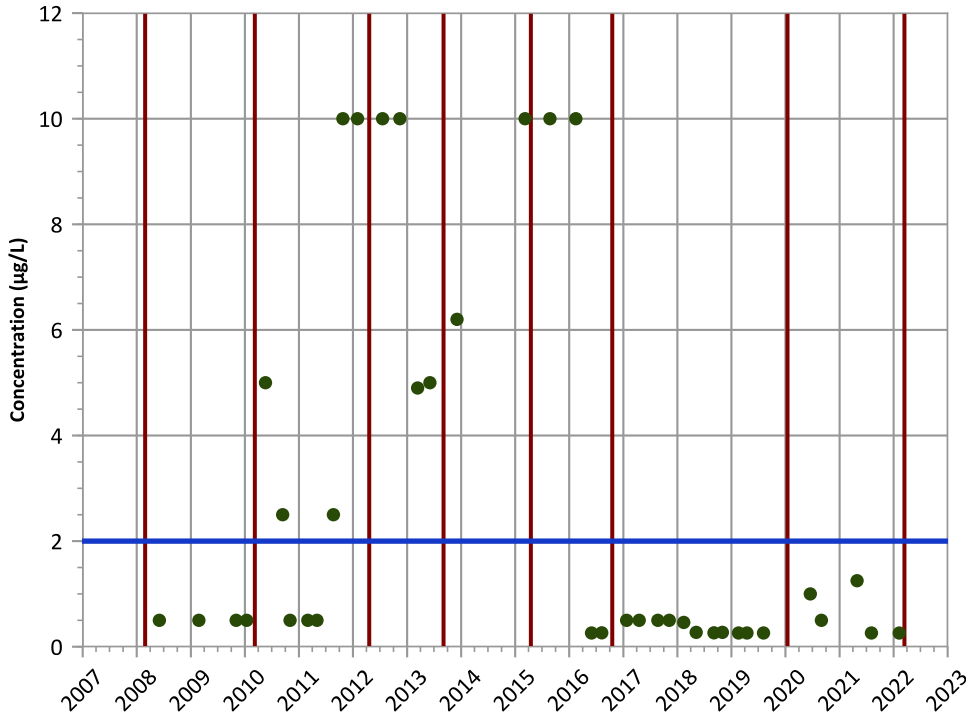
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

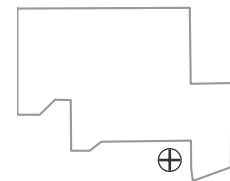
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/29/2008 to 08/30/2022  
Analysis Date: 04/24/2023

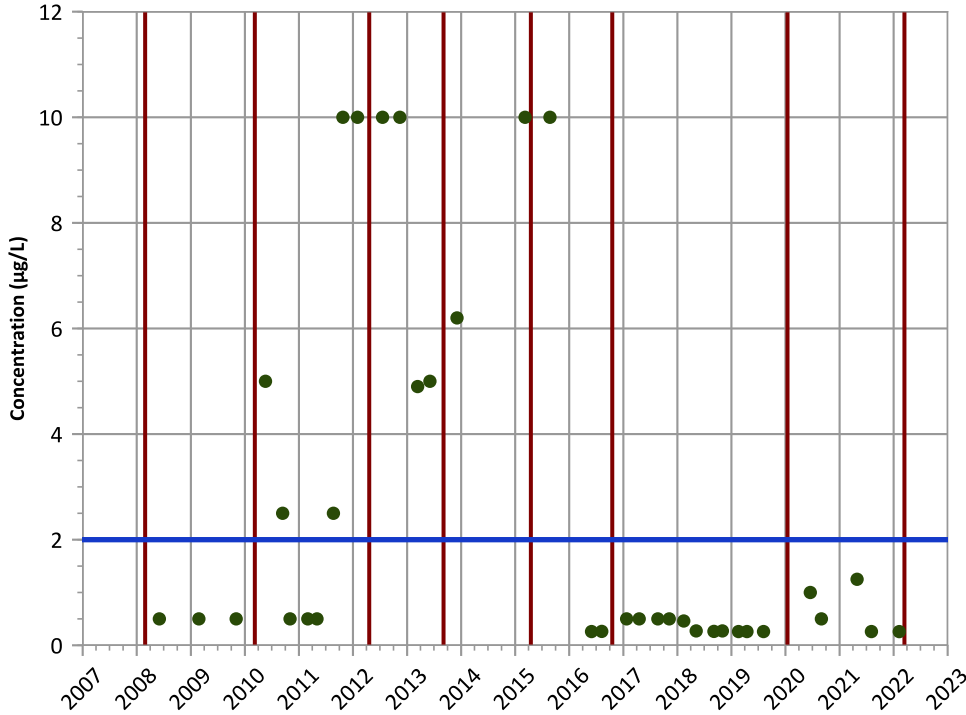
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

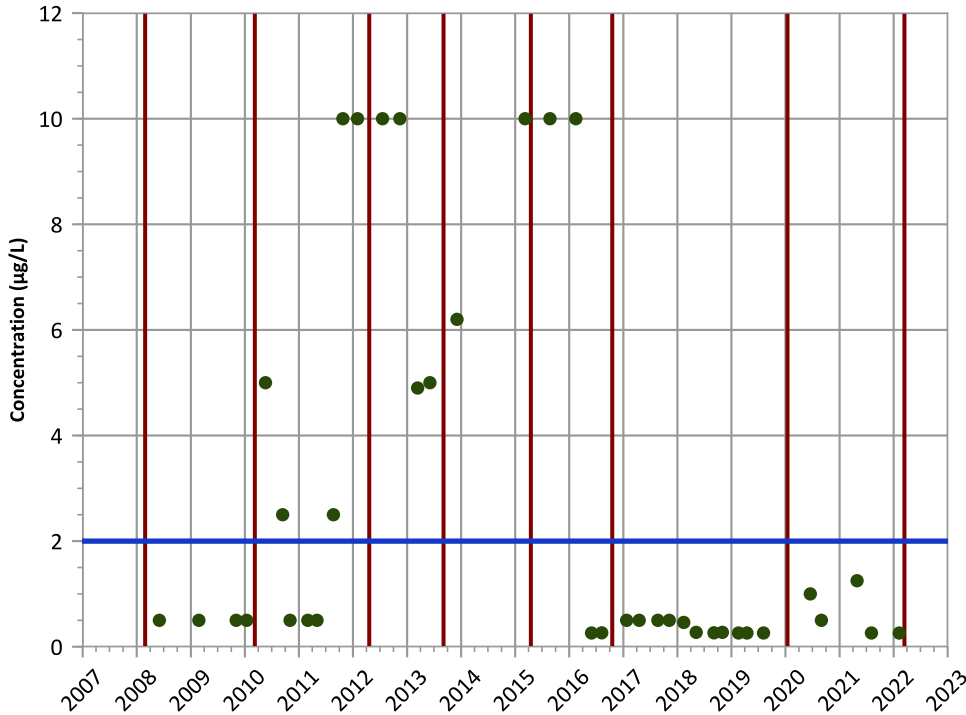


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

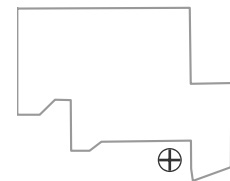


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location



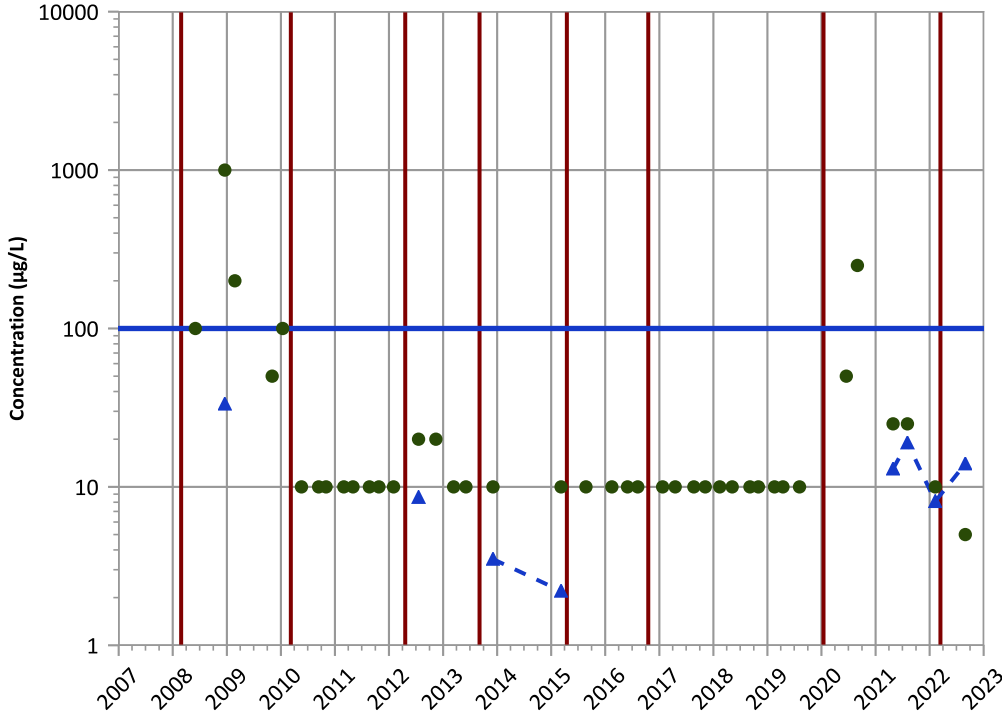
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/29/2008 to 08/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

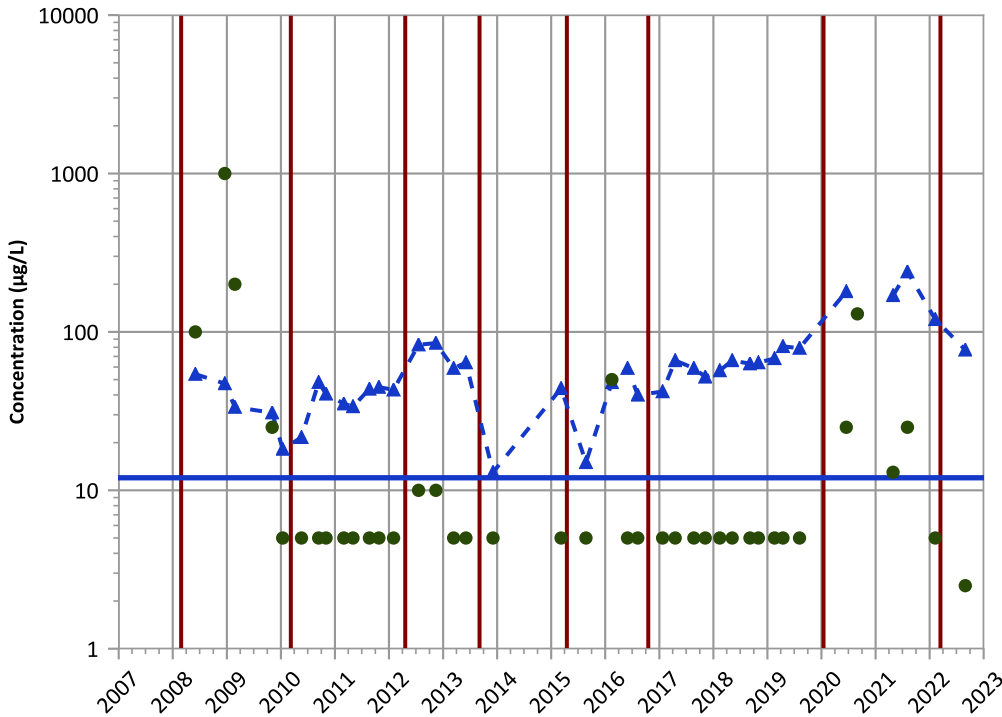


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Arsenic Trend

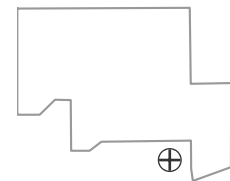


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Well Location

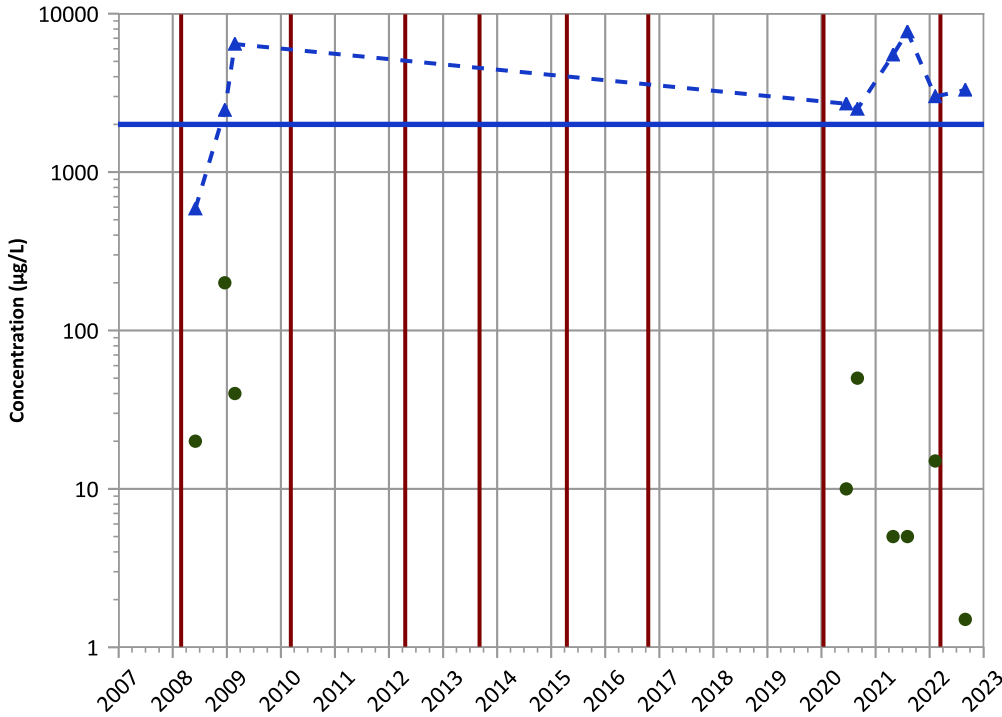


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/29/2008 to 08/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

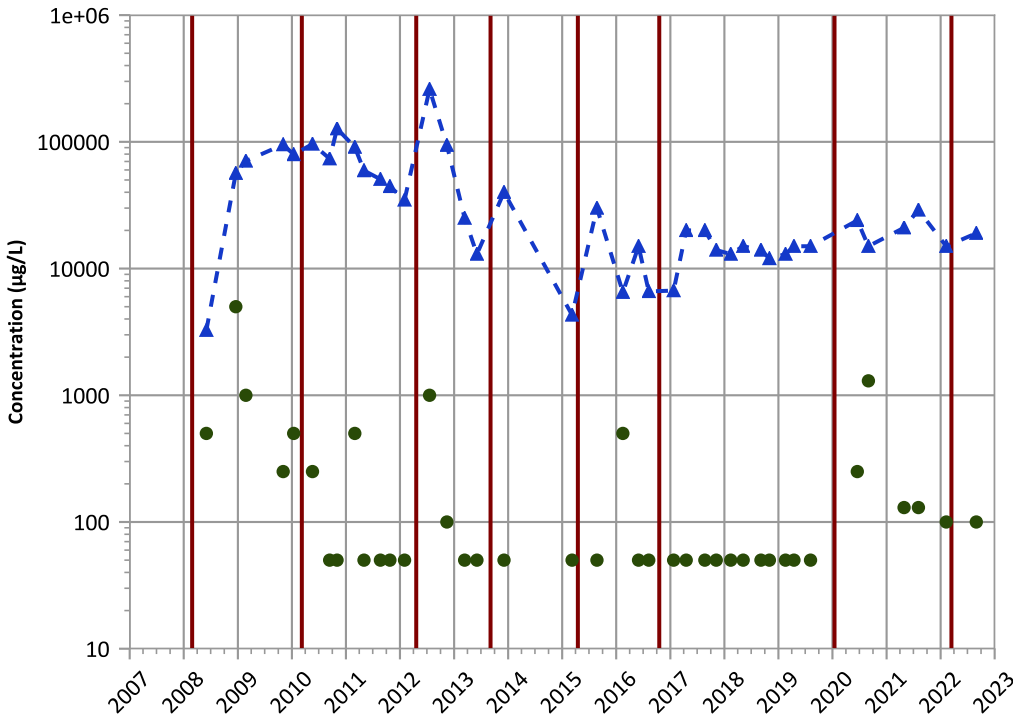


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Iron Trend



Concentration Trend

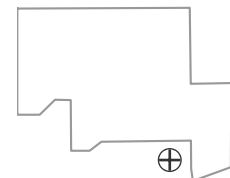
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/29/2008 to 08/30/2022  
Analysis Date: 04/24/2023

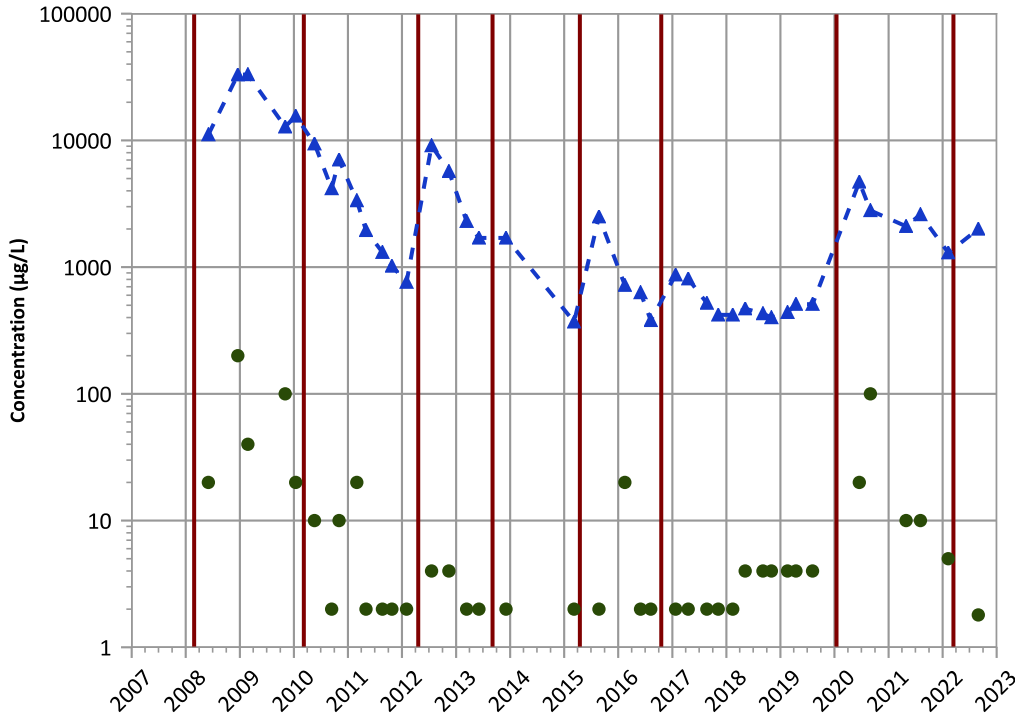
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

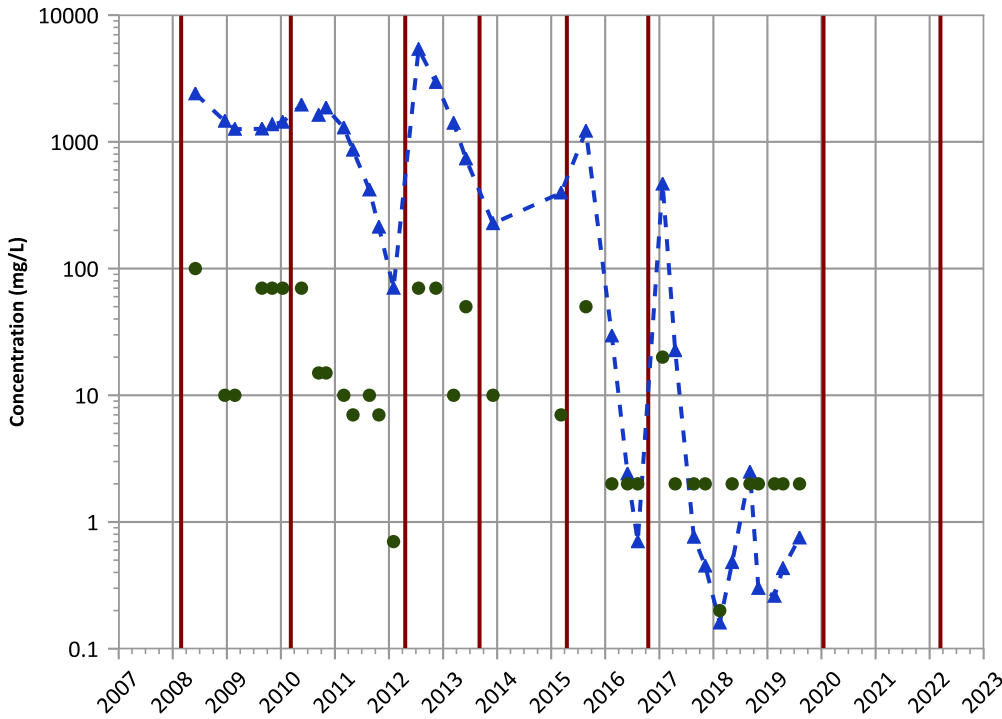


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Total Volatile Fatty Acids Trend



Concentration Trend

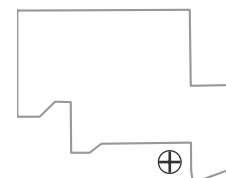
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/29/2008 to 08/30/2022  
Analysis Date: 04/24/2023

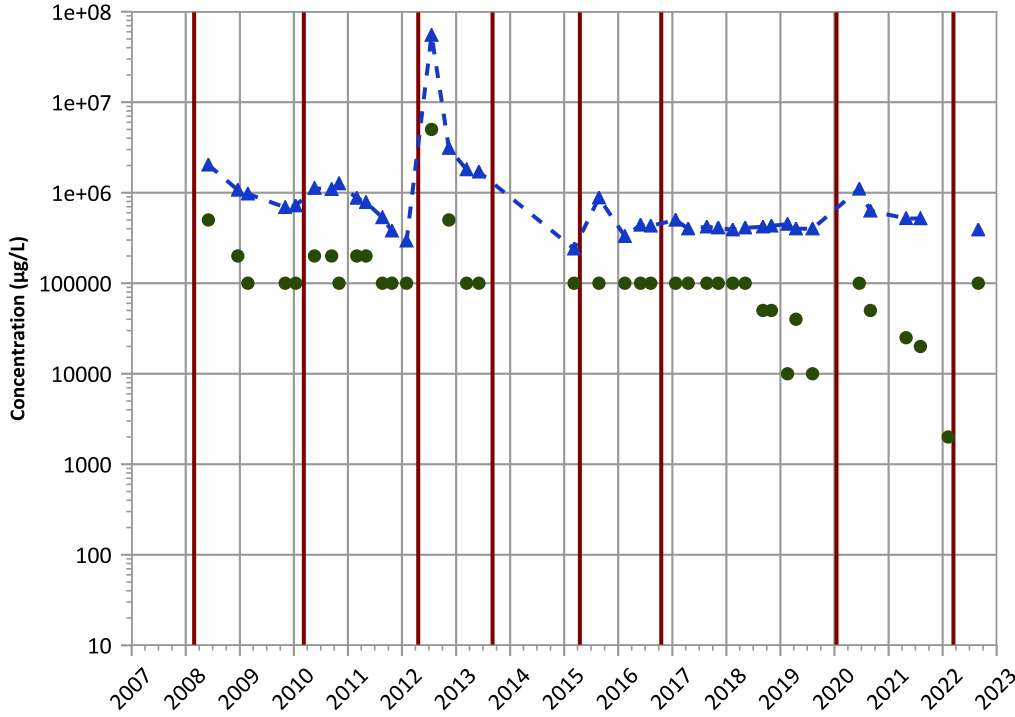
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing

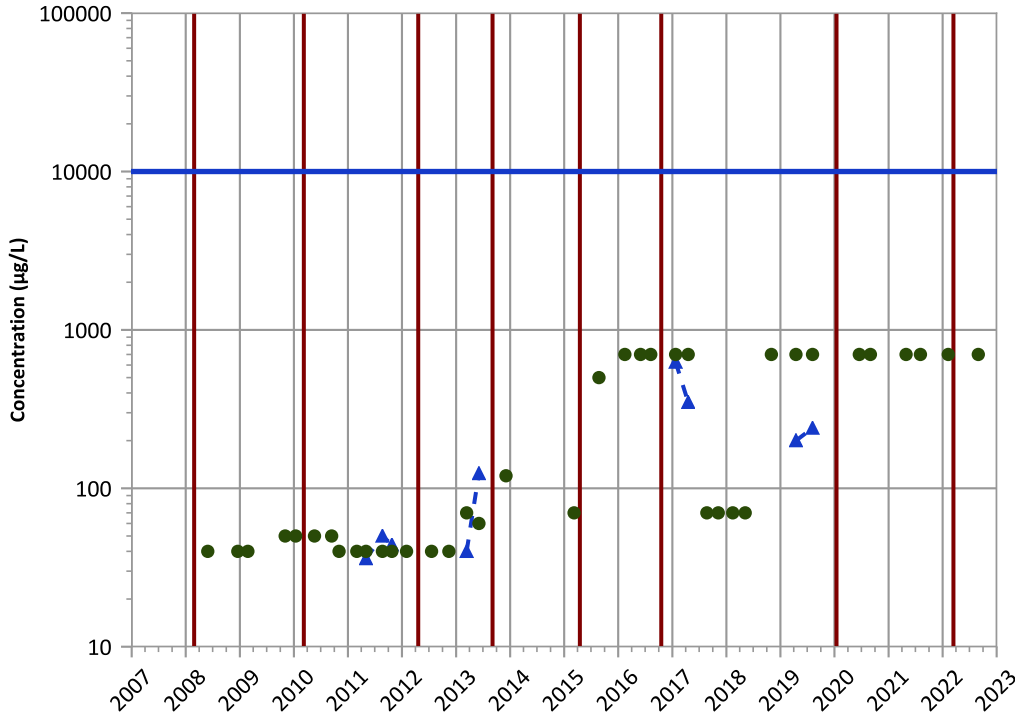
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
Decreasing

2020 - 2022 Data:  
Decreasing

Nitrate as N Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing

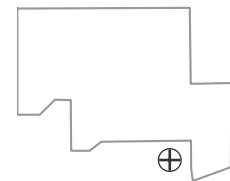
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
Increasing

2020 - 2022 Data:  
Stable

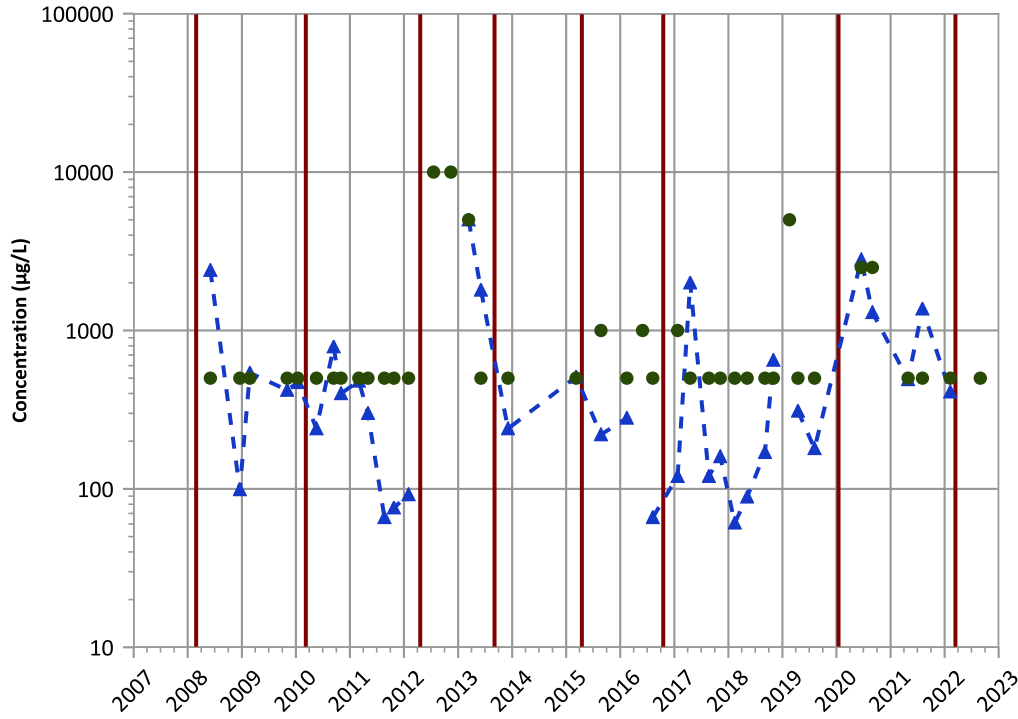
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/29/2008 to 08/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-ISB030B in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Sulfate (as SO<sub>4</sub>) Trend**

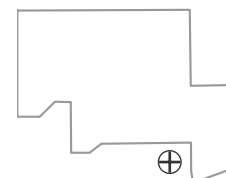


**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)  
**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 Stable

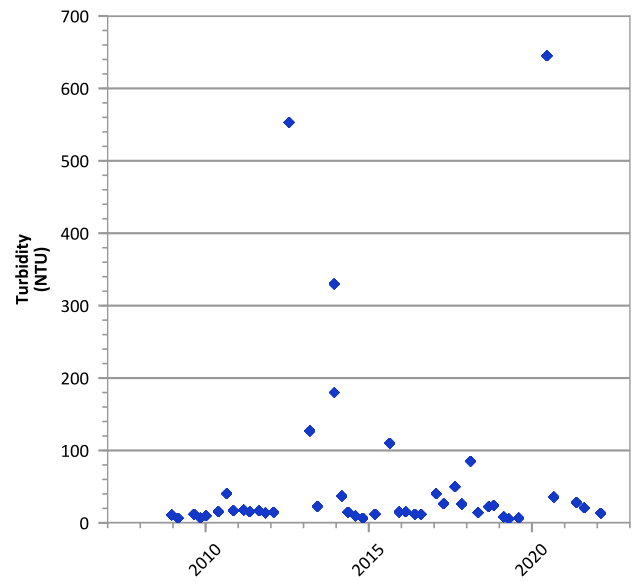
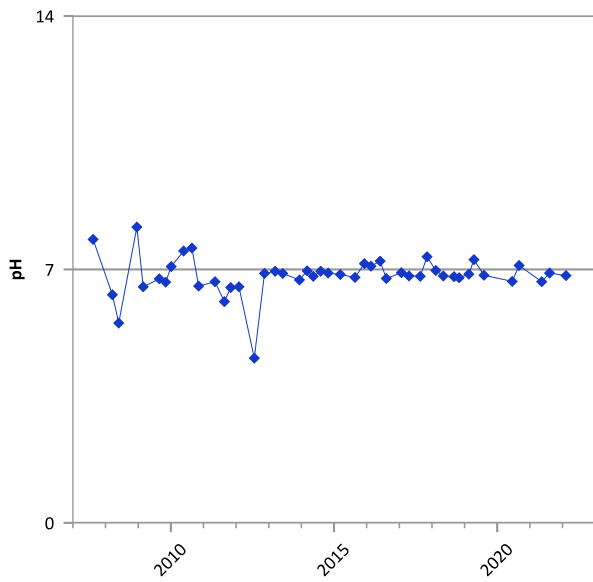
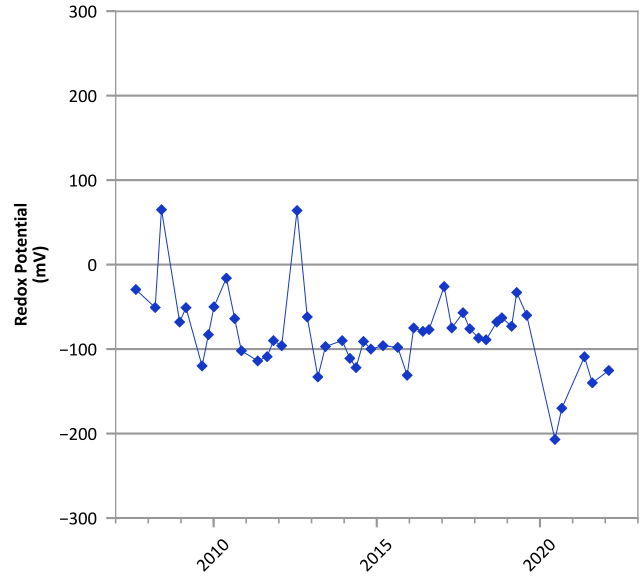
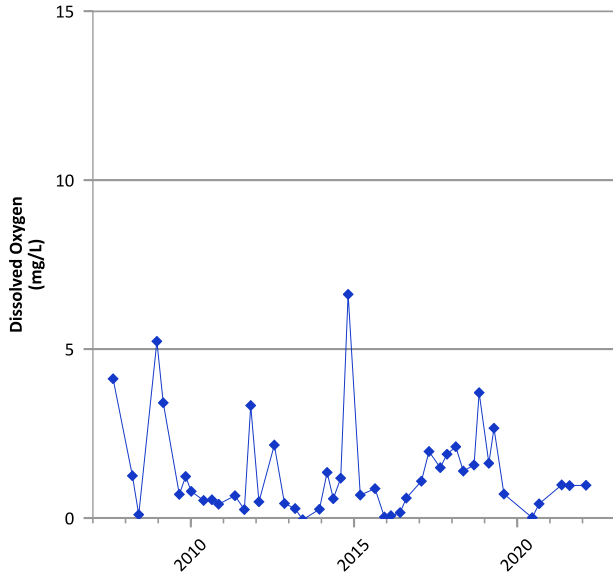
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 05/29/2008 to 08/30/2022  
 Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**Well Location**

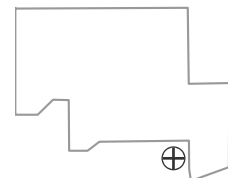


**PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



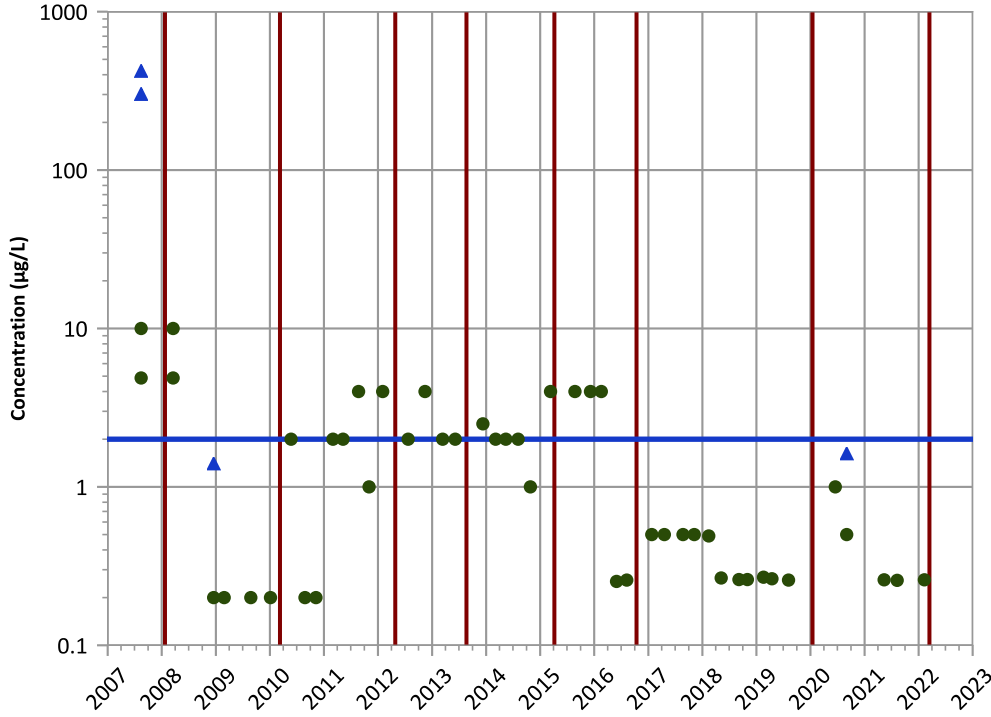
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 08/15/2007 to 02/09/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

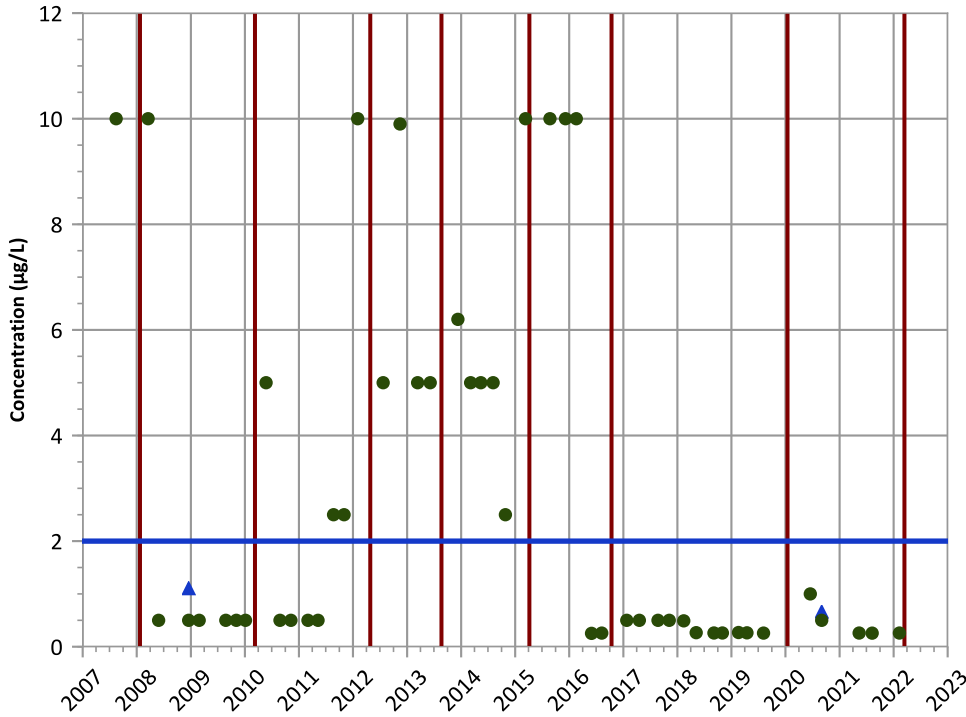
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

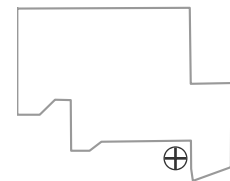
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/15/2007 to 02/09/2022  
Analysis Date: 04/24/2023

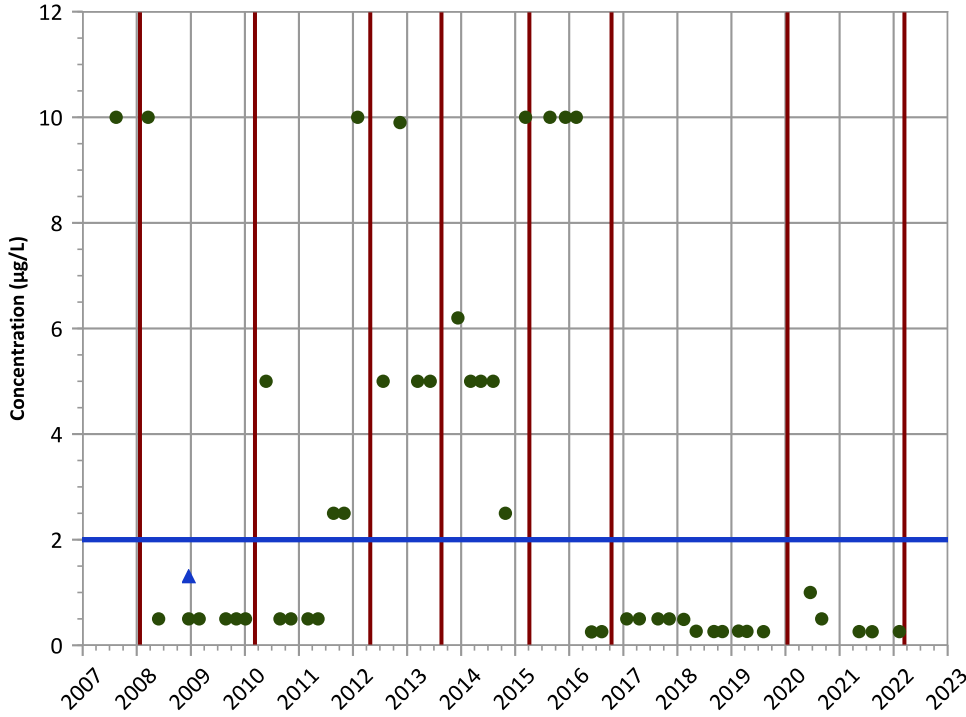
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

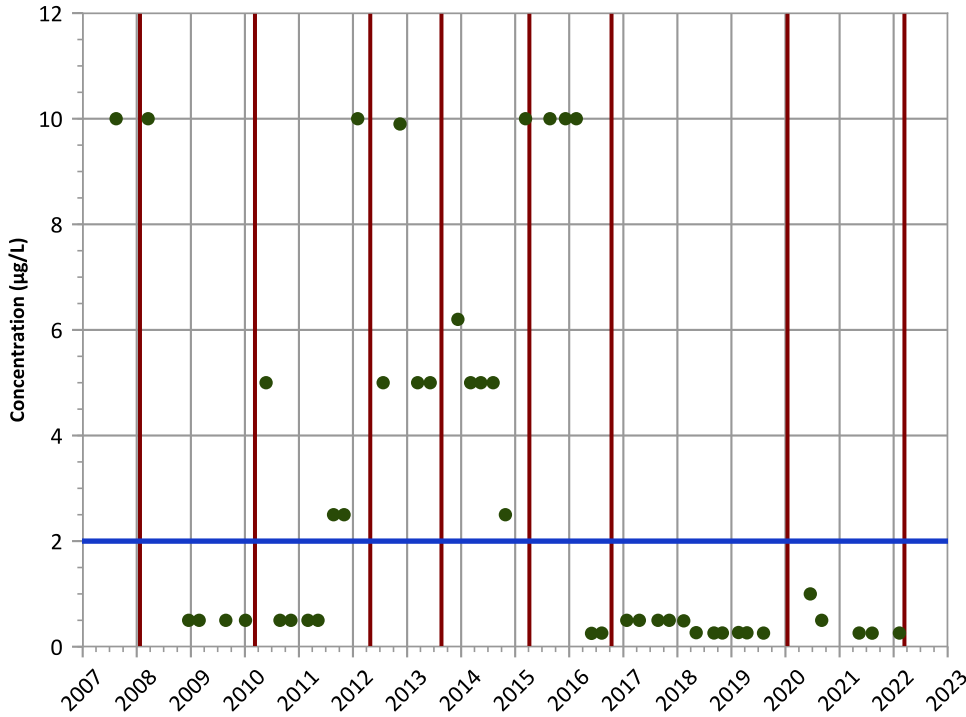
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

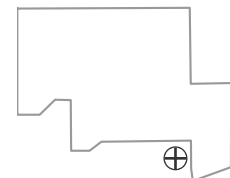
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/15/2007 to 02/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

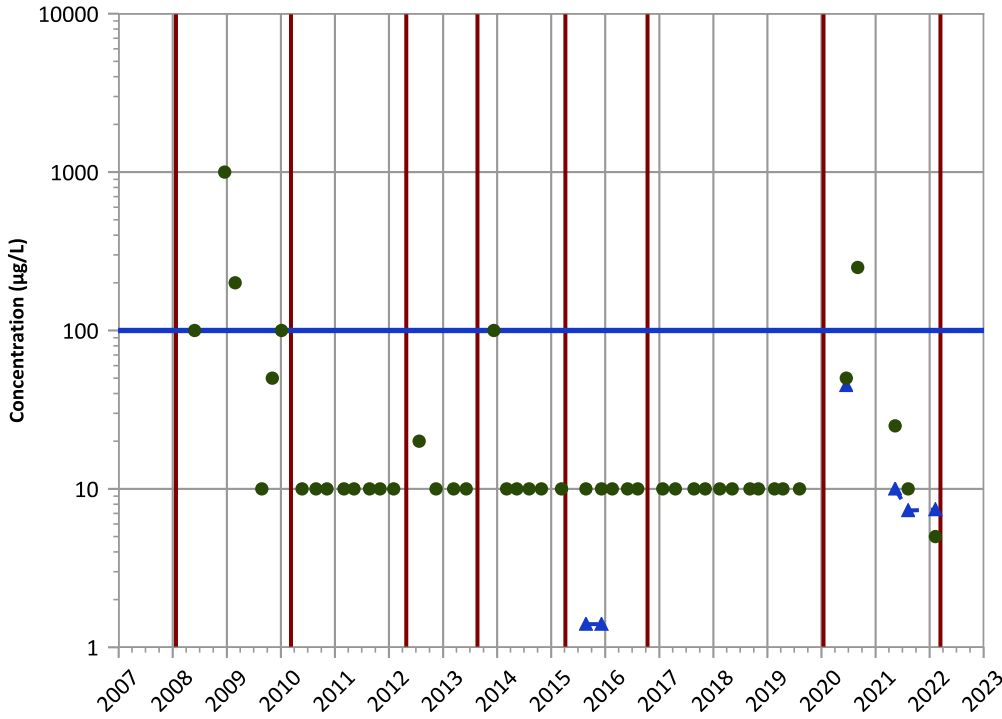
Well Location





PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

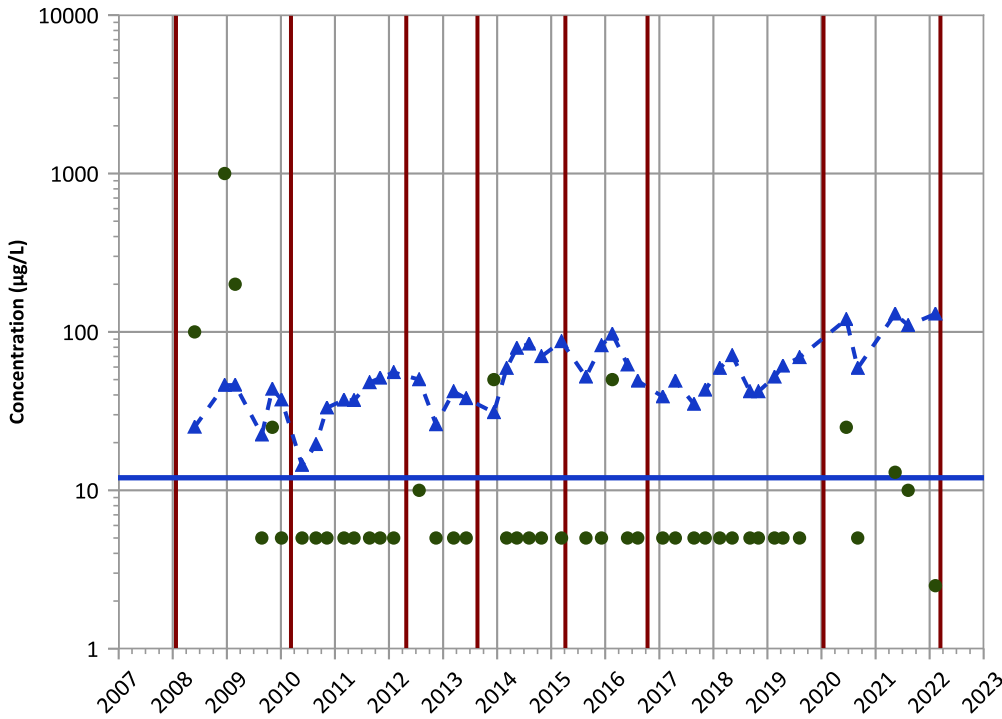


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Arsenic Trend

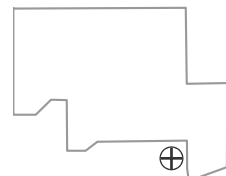


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Well Location

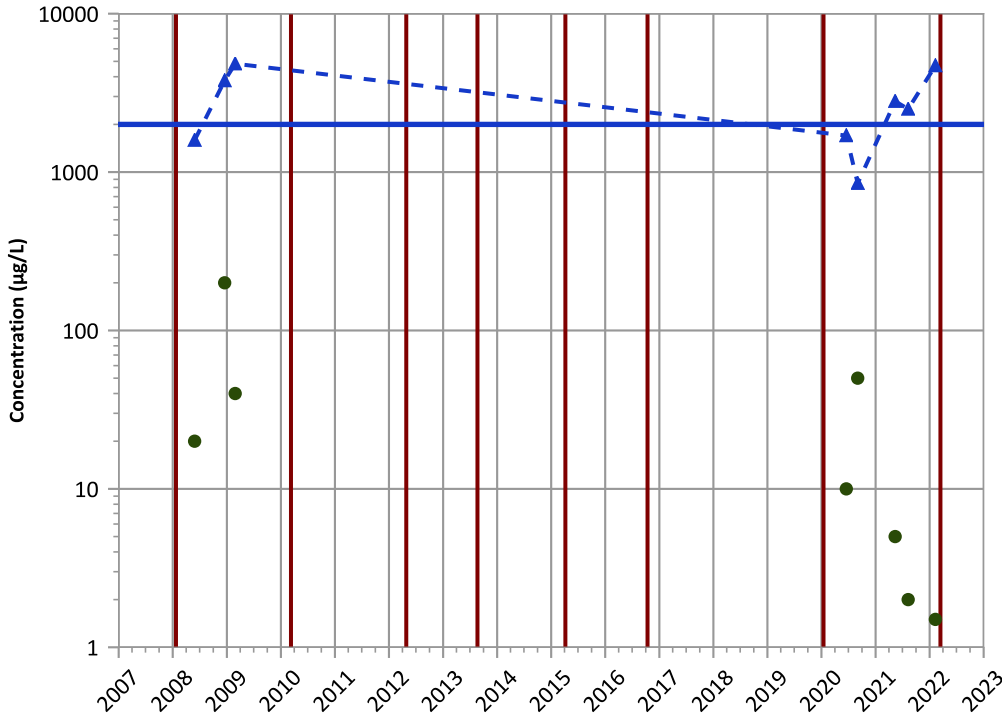


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/15/2007 to 02/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

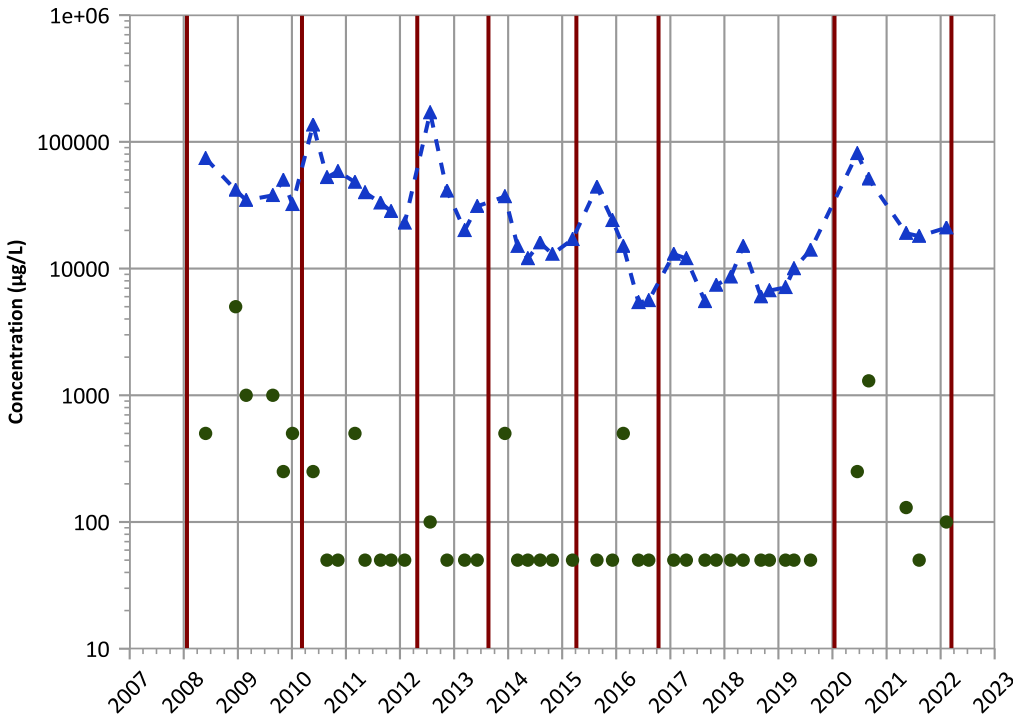
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

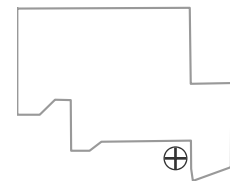
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

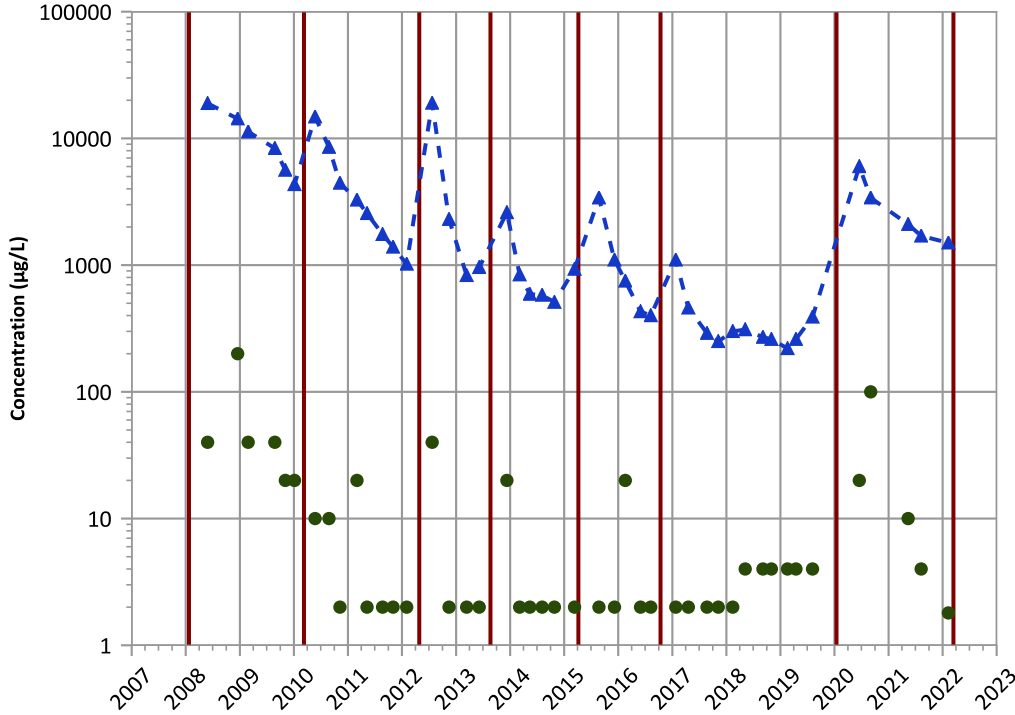


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/15/2007 to 02/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

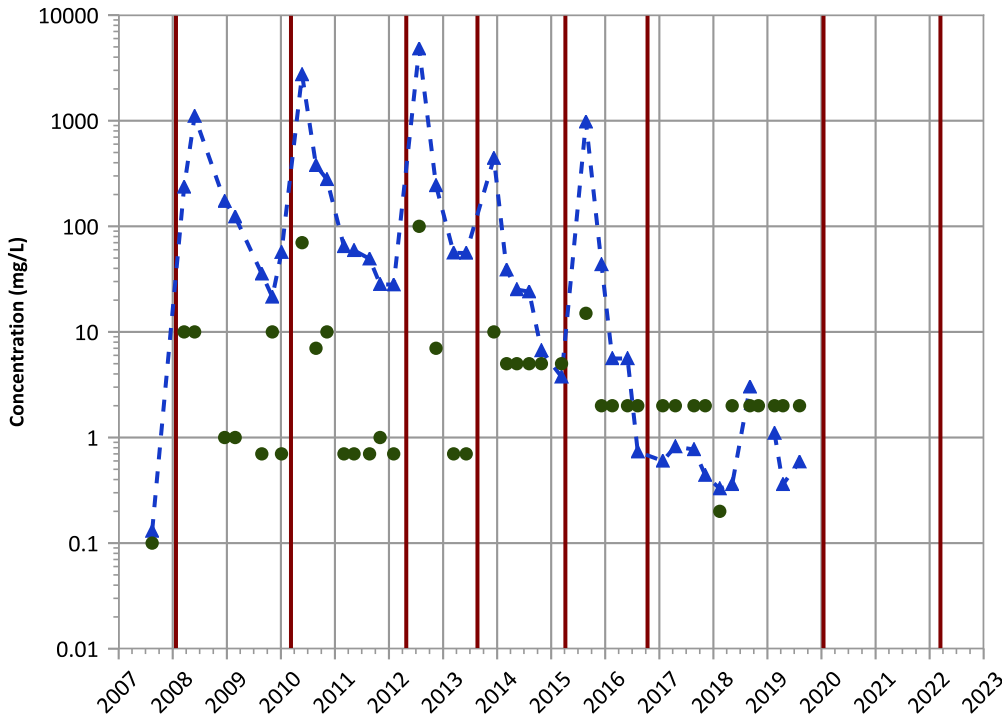


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Total Volatile Fatty Acids Trend



Concentration Trend

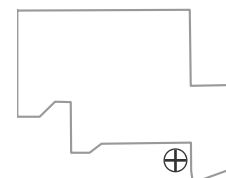
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/15/2007 to 02/09/2022  
Analysis Date: 04/24/2023

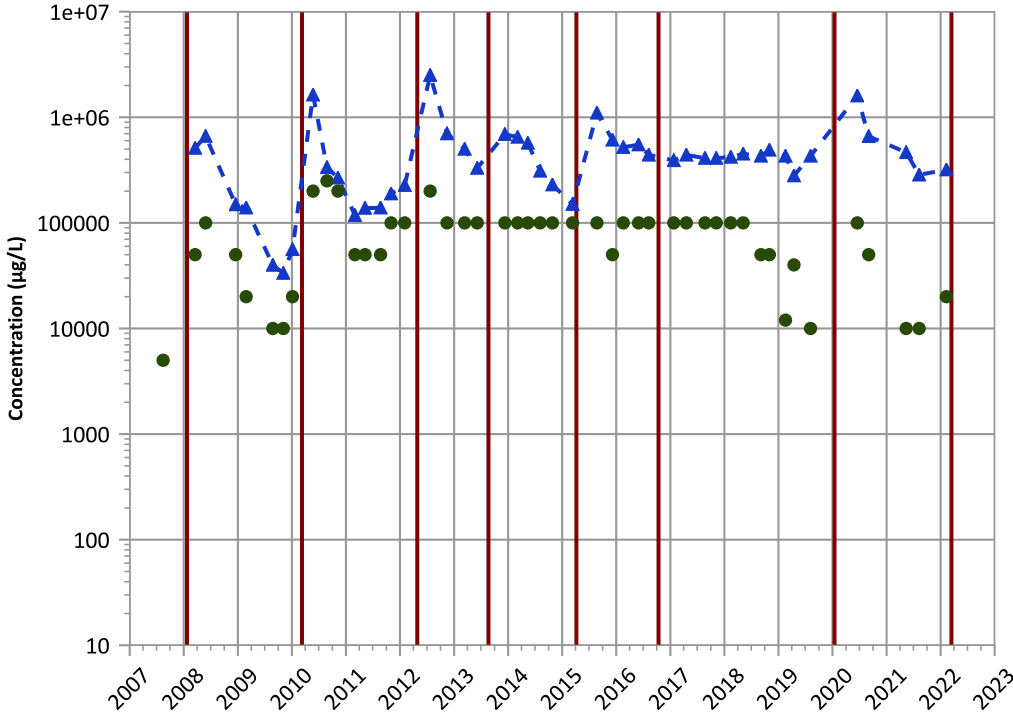
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

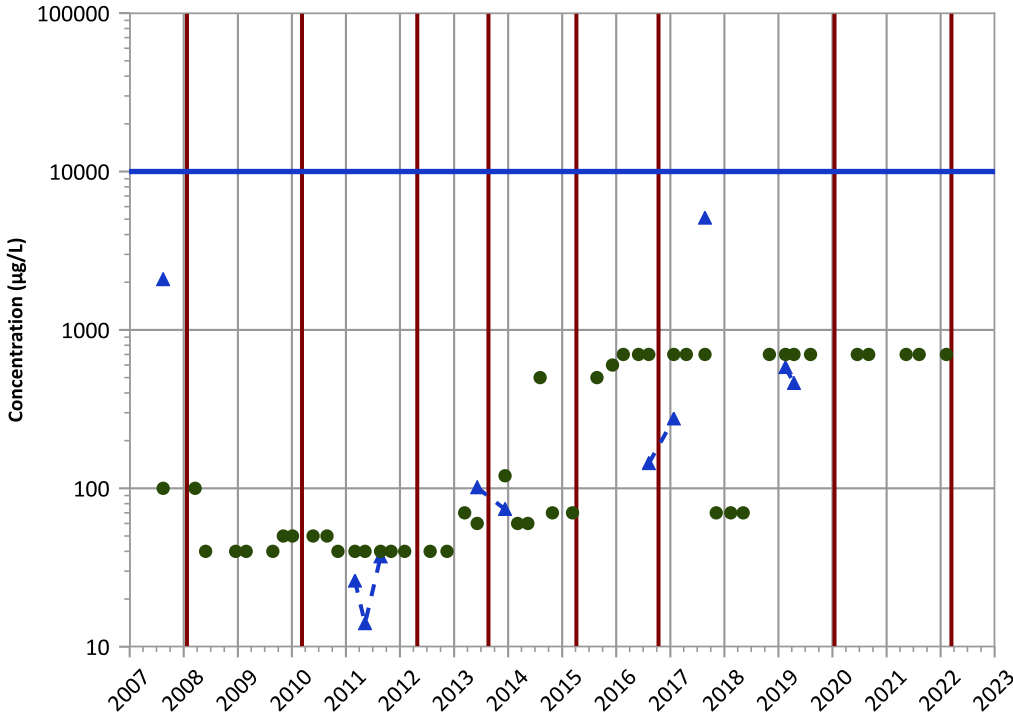


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Nitrate as N Trend

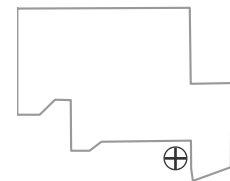


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

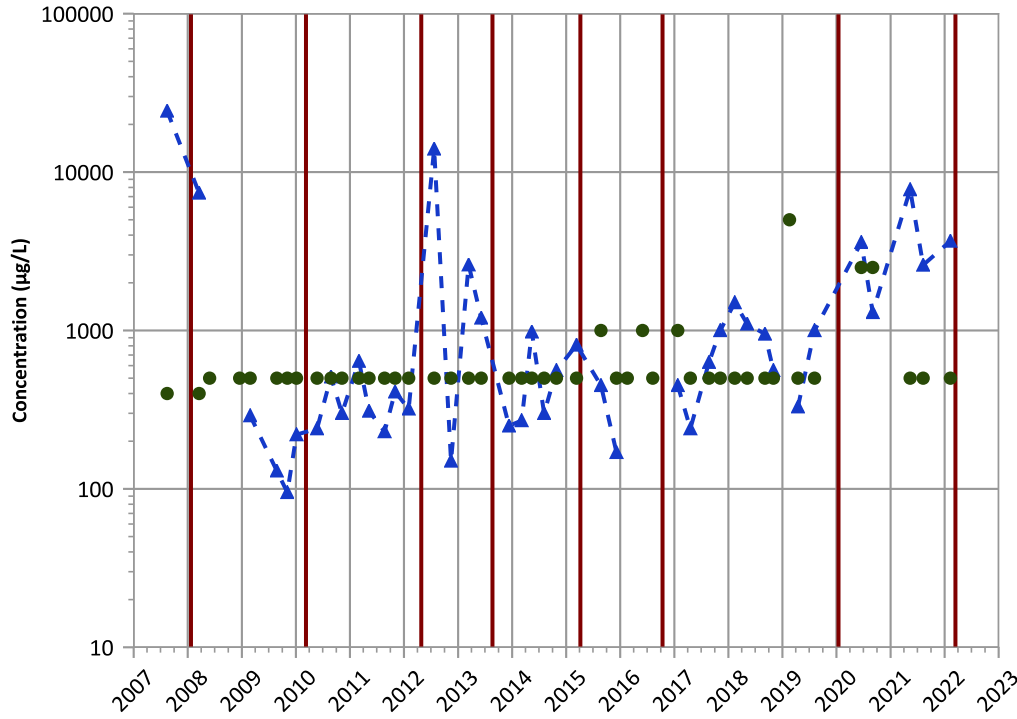


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/15/2007 to 02/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB038 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

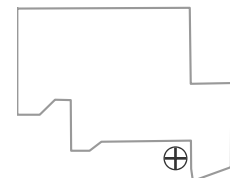
2020 - 2022 Data:

No Trend

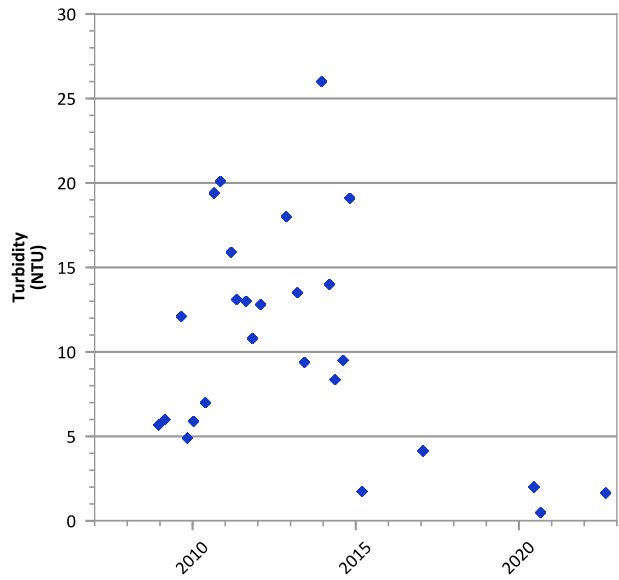
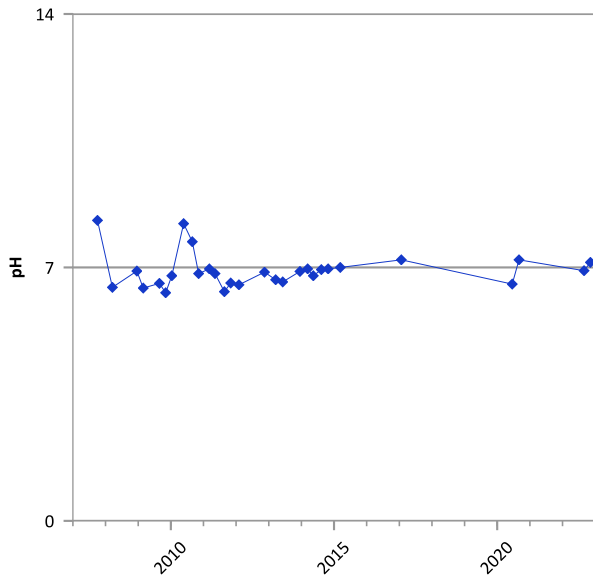
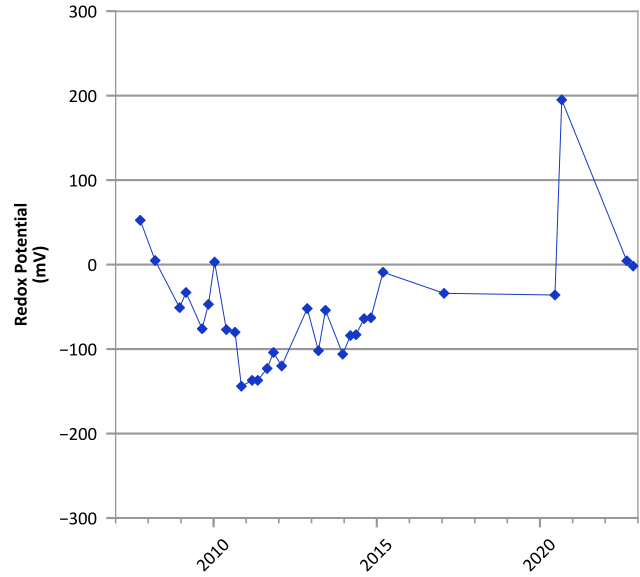
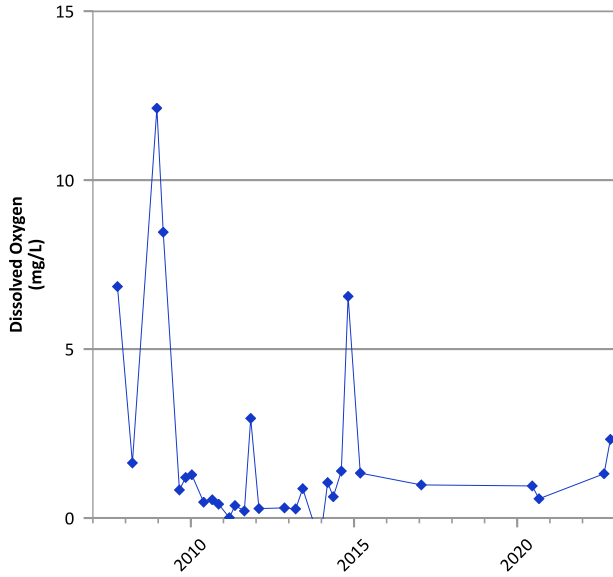
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 08/15/2007 to 02/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

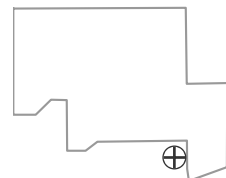


**PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



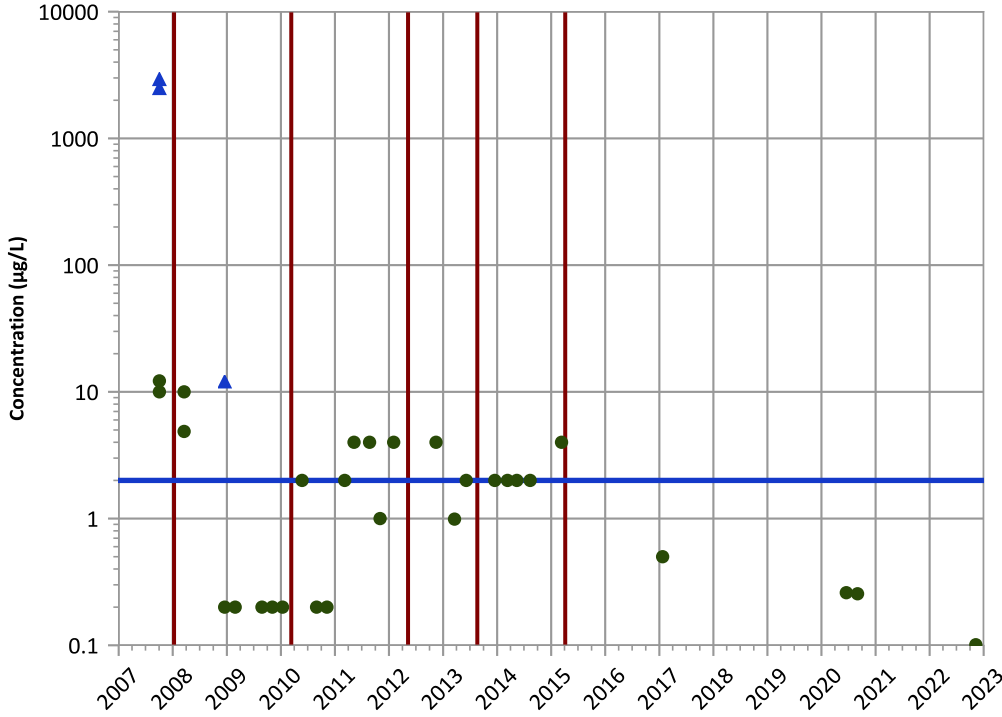
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 10/03/2007 to 11/09/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

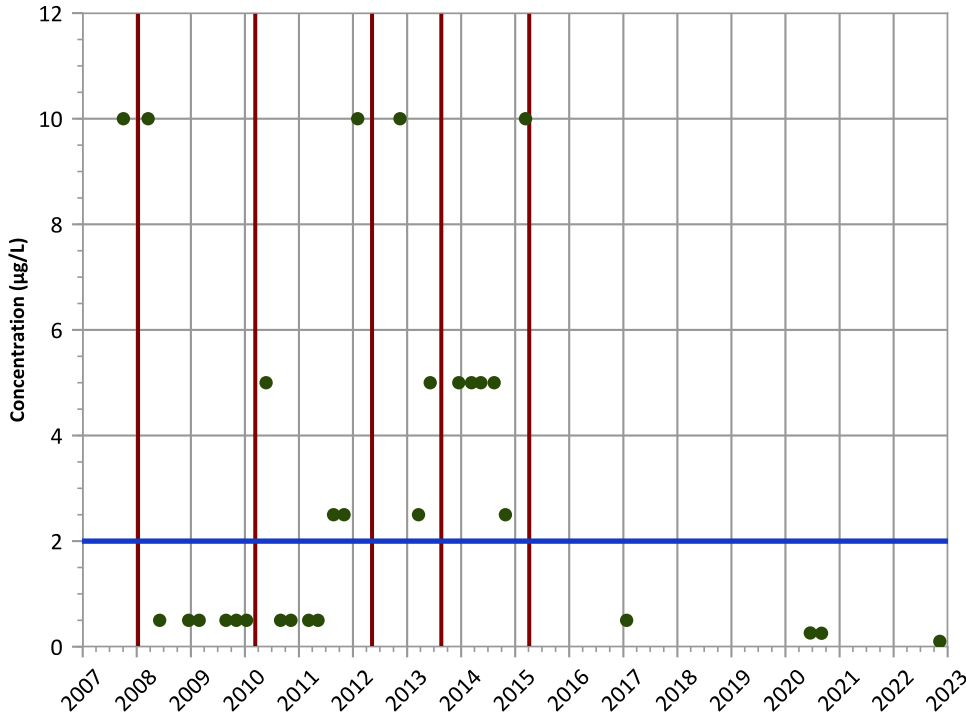
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

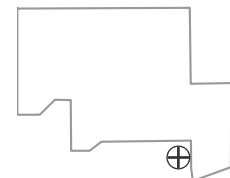
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/03/2007 to 11/09/2022  
Analysis Date: 04/24/2023

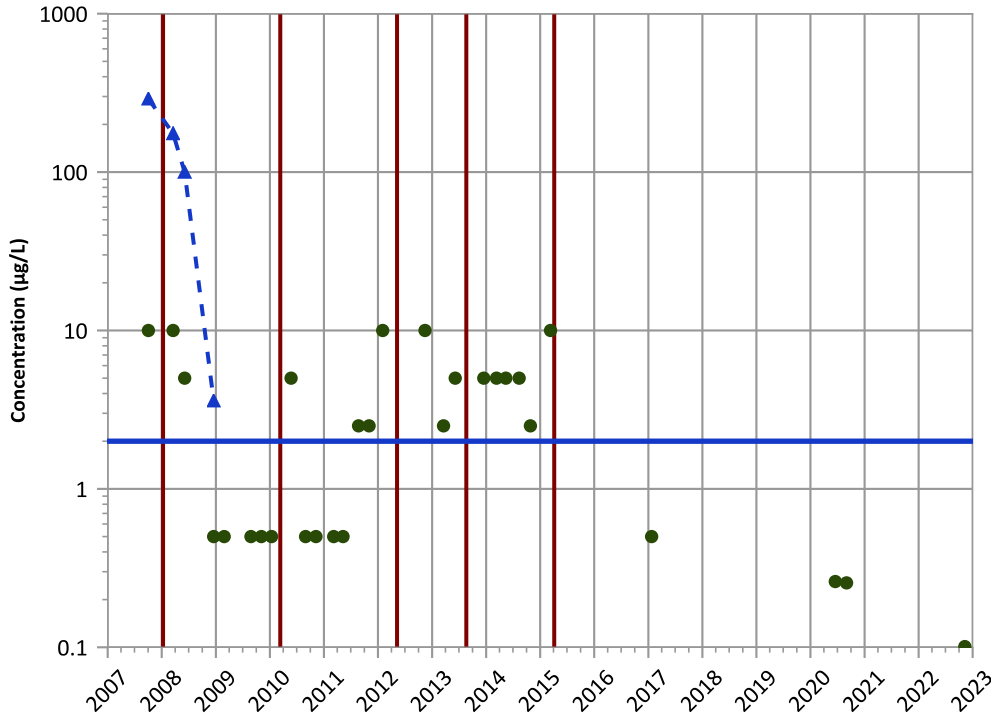
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

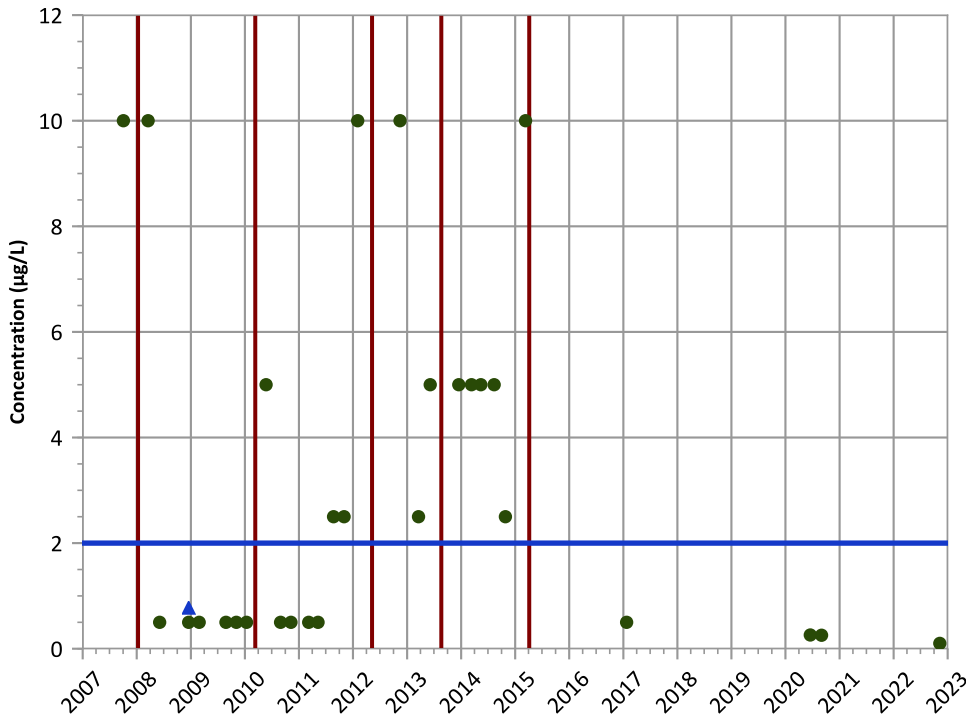
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

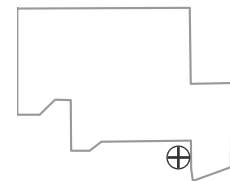
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location



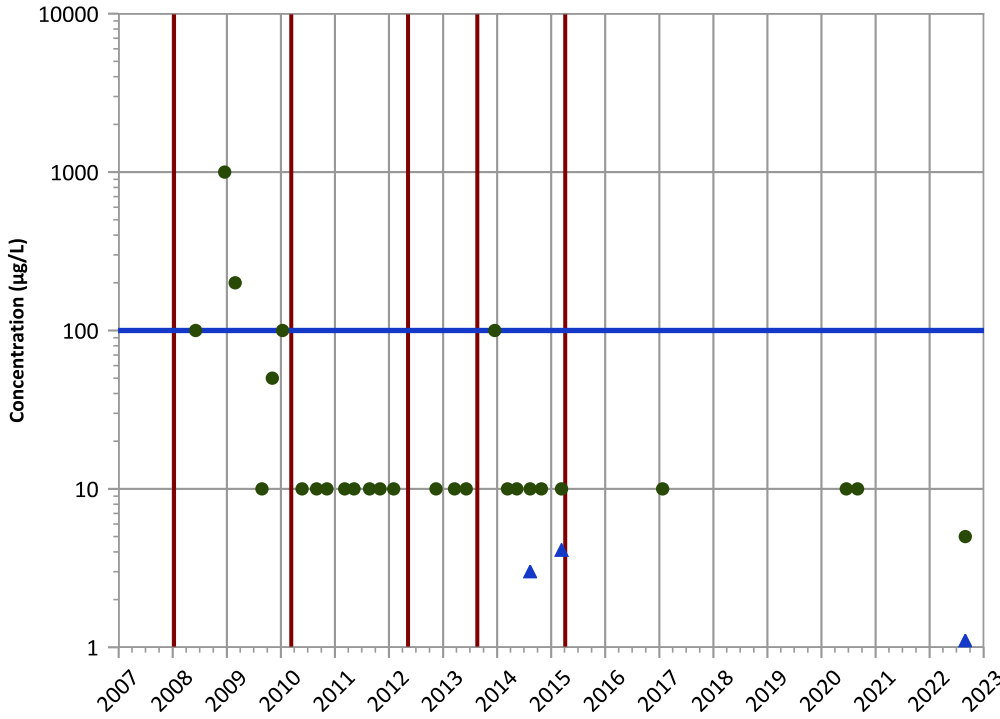
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/03/2007 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

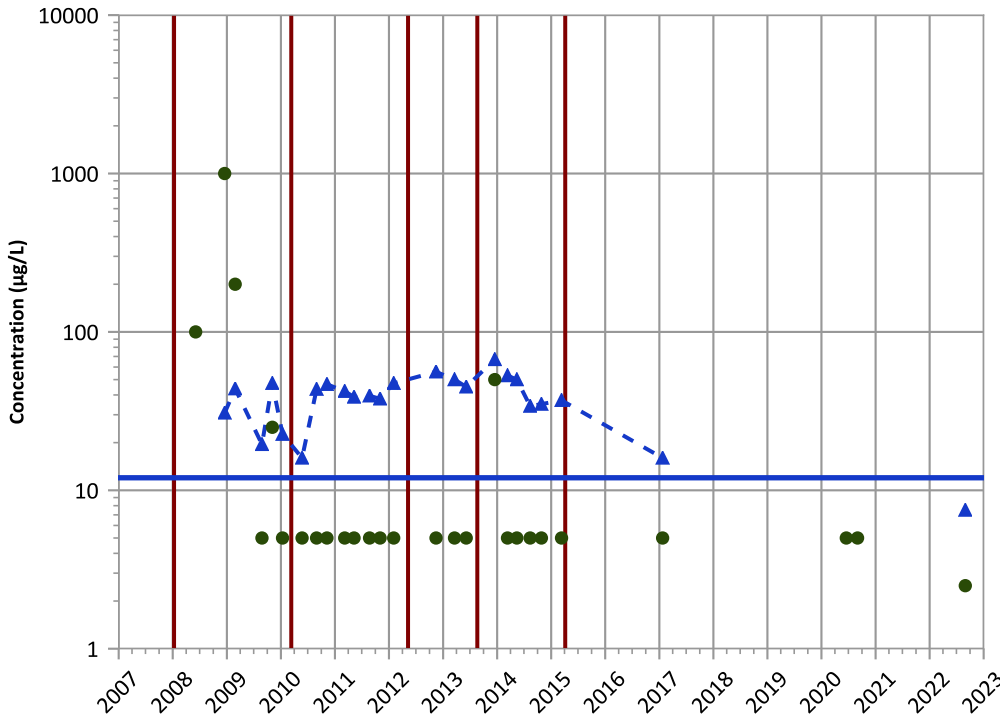


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Arsenic Trend

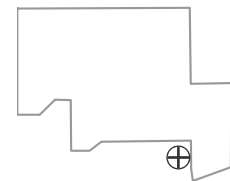


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Well Location

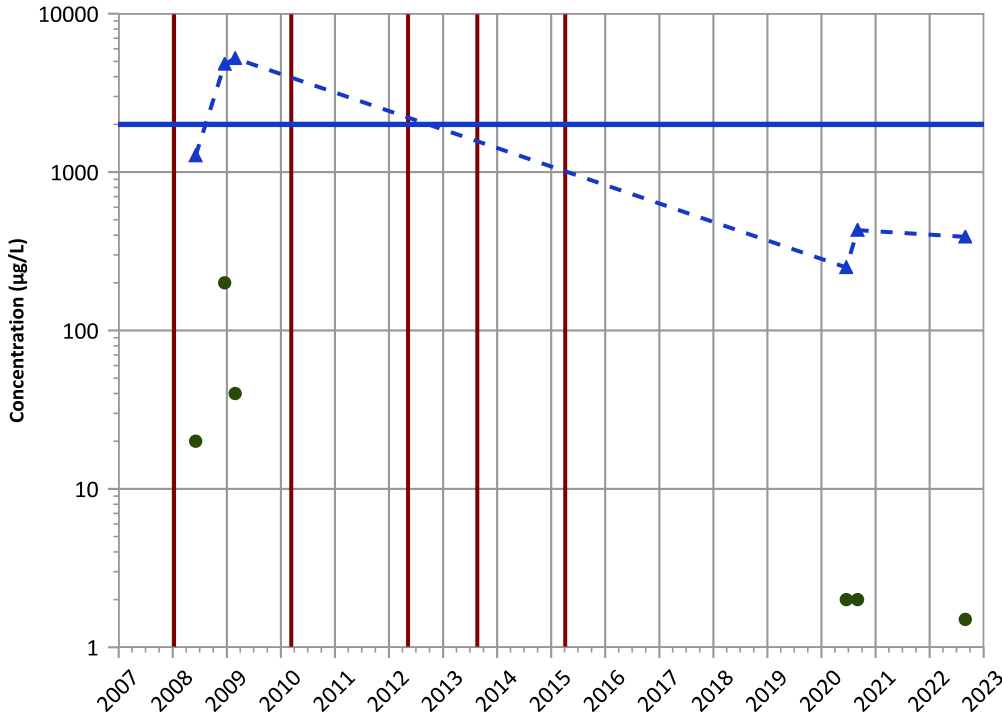


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/03/2007 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

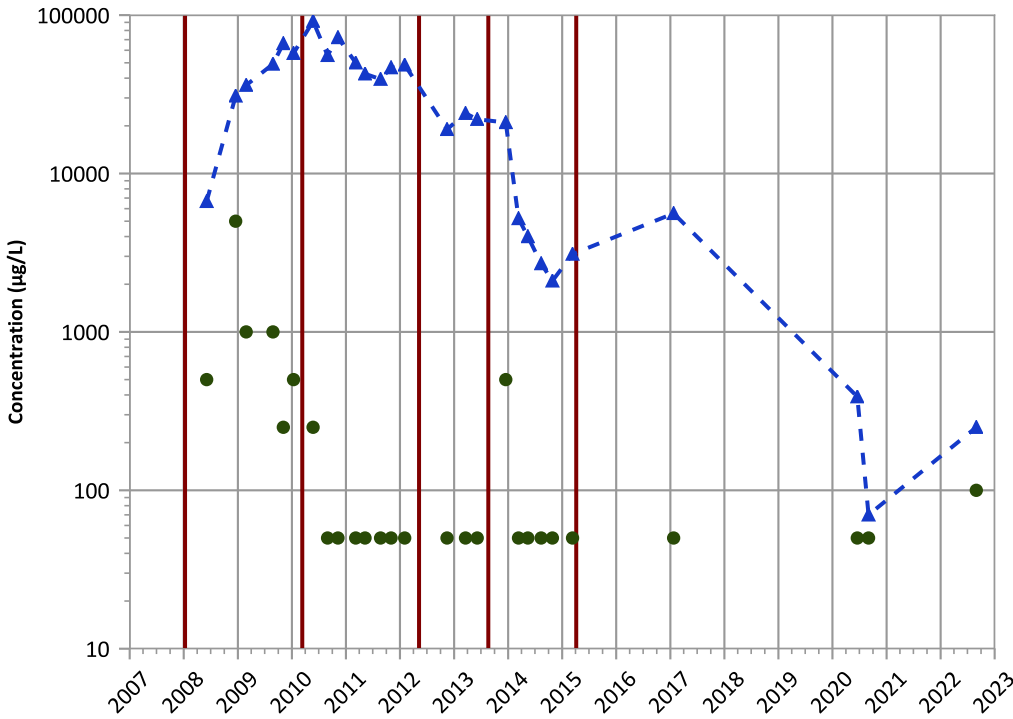


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Iron Trend

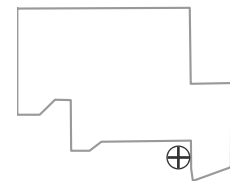


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

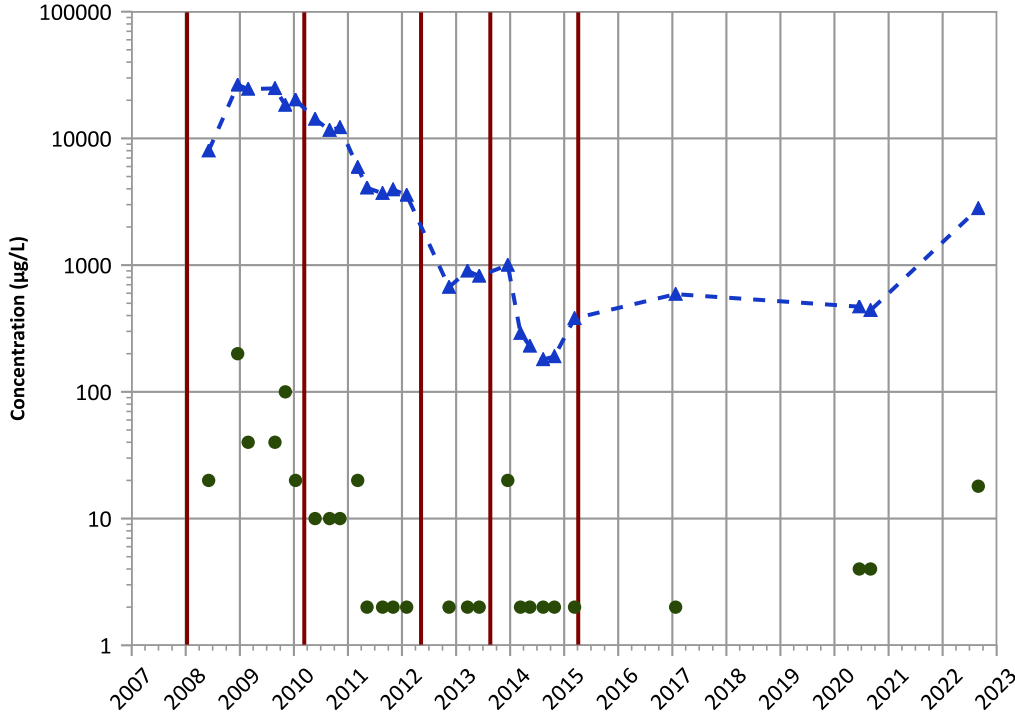


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/03/2007 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

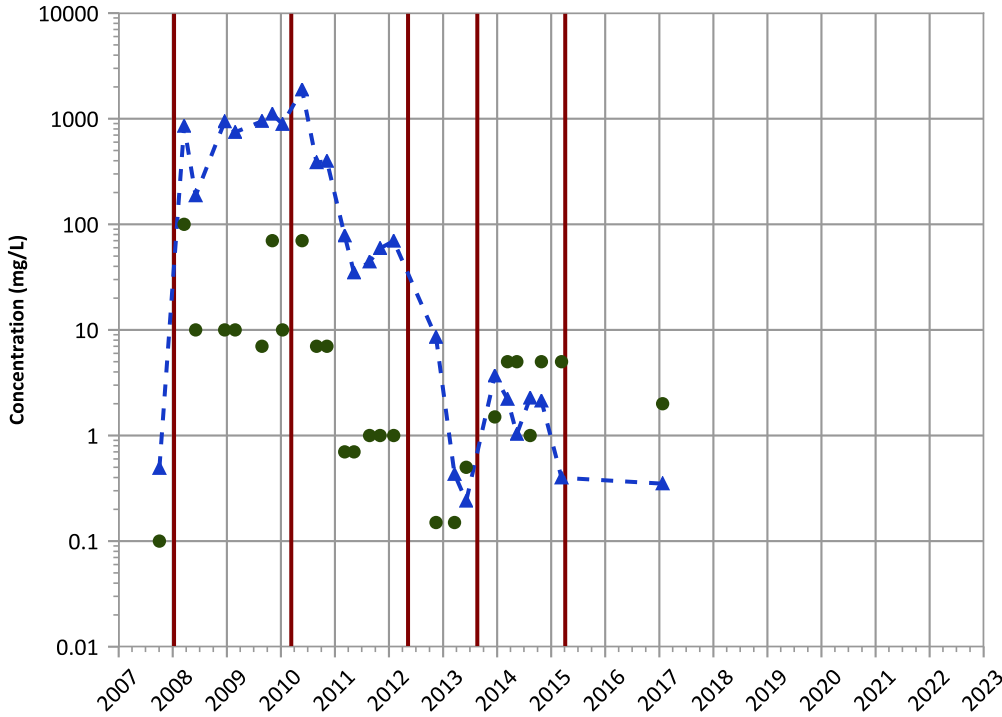


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Total Volatile Fatty Acids Trend



Concentration Trend

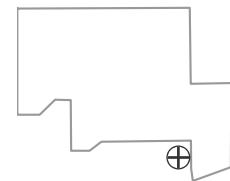
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/03/2007 to 11/09/2022  
Analysis Date: 04/24/2023

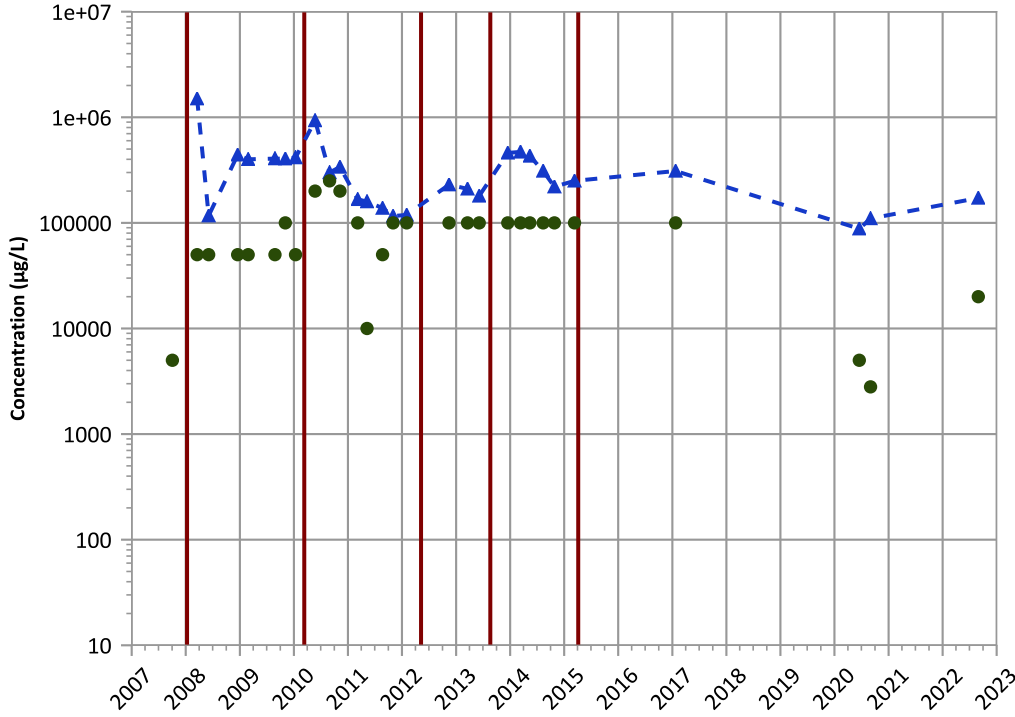
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

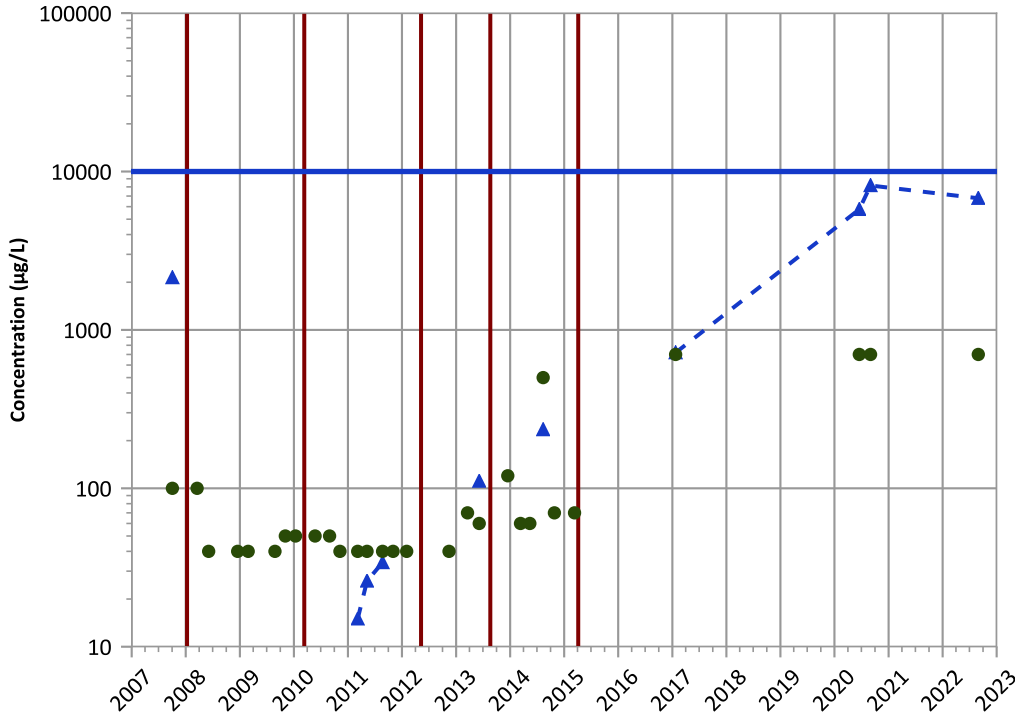


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Nitrate as N Trend

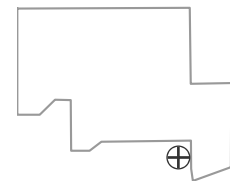


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Well Location

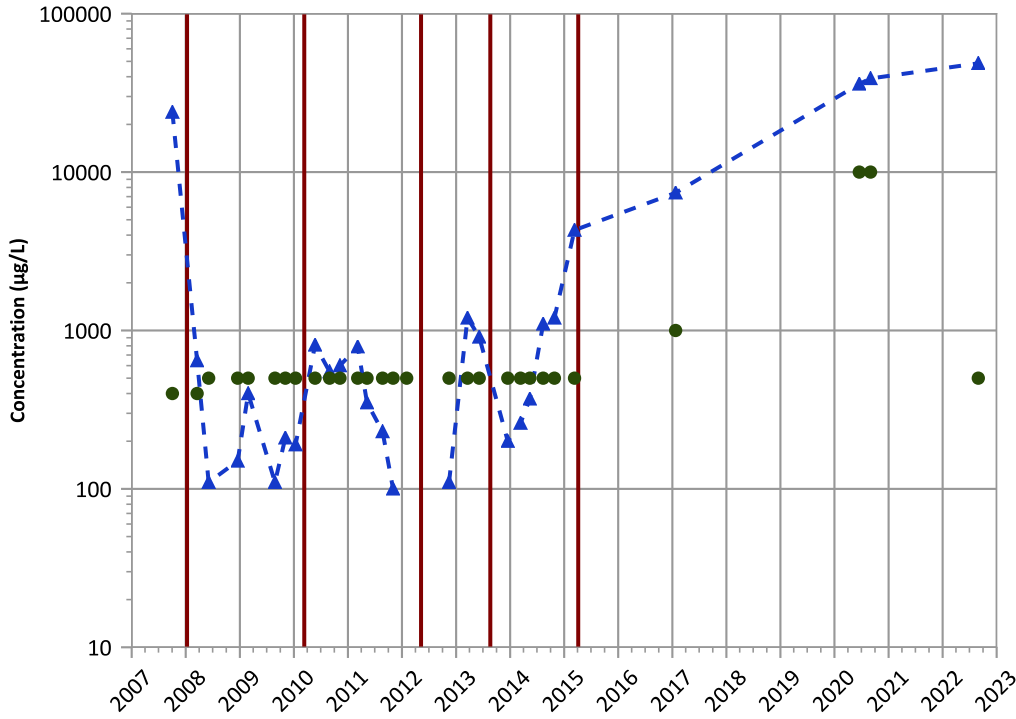


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/03/2007 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB042 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

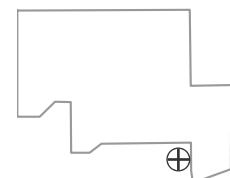
2020 - 2022 Data:

Probably Increasing

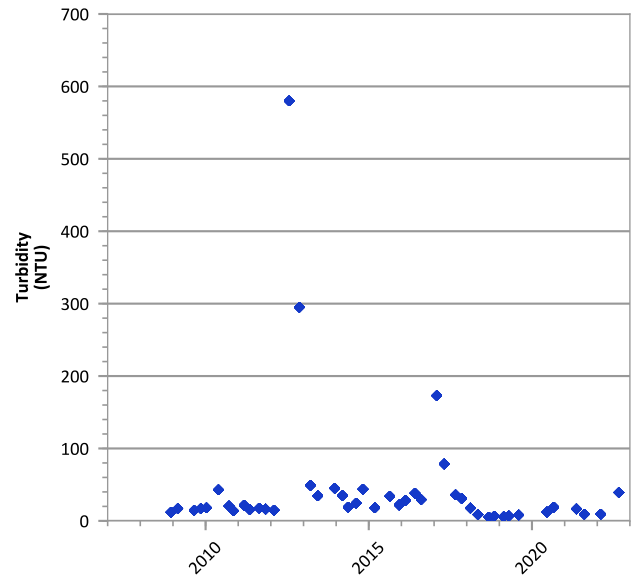
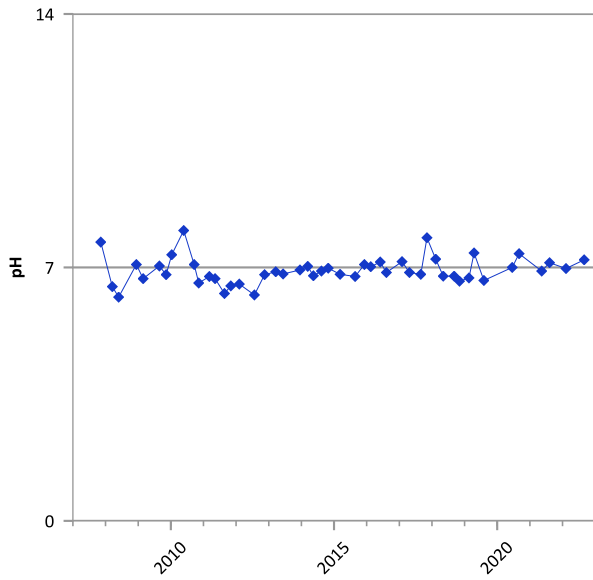
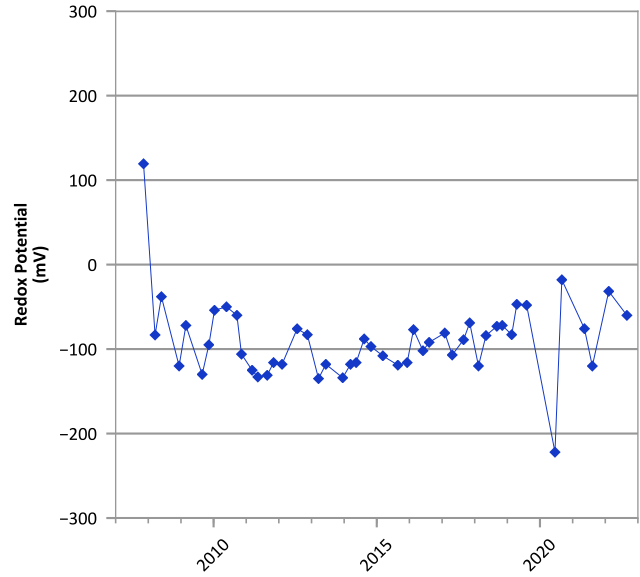
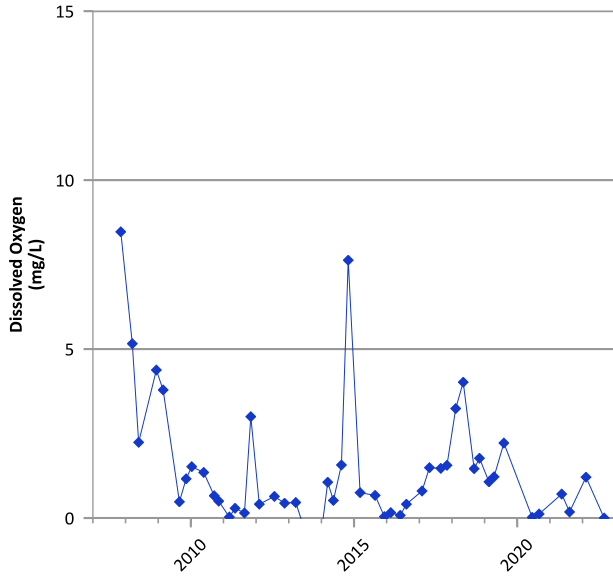
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 10/03/2007 to 11/09/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

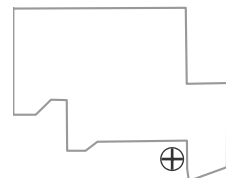


**PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



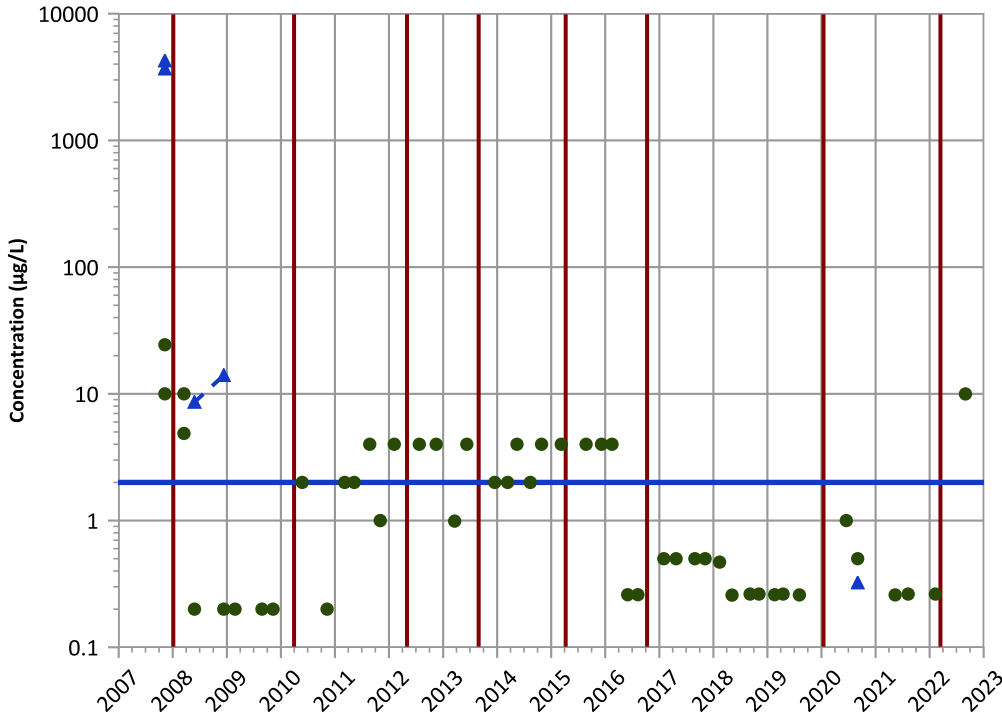
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 11/09/2007 to 08/31/2022  
 Analysis Date: 04/24/2023

Well Location



PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

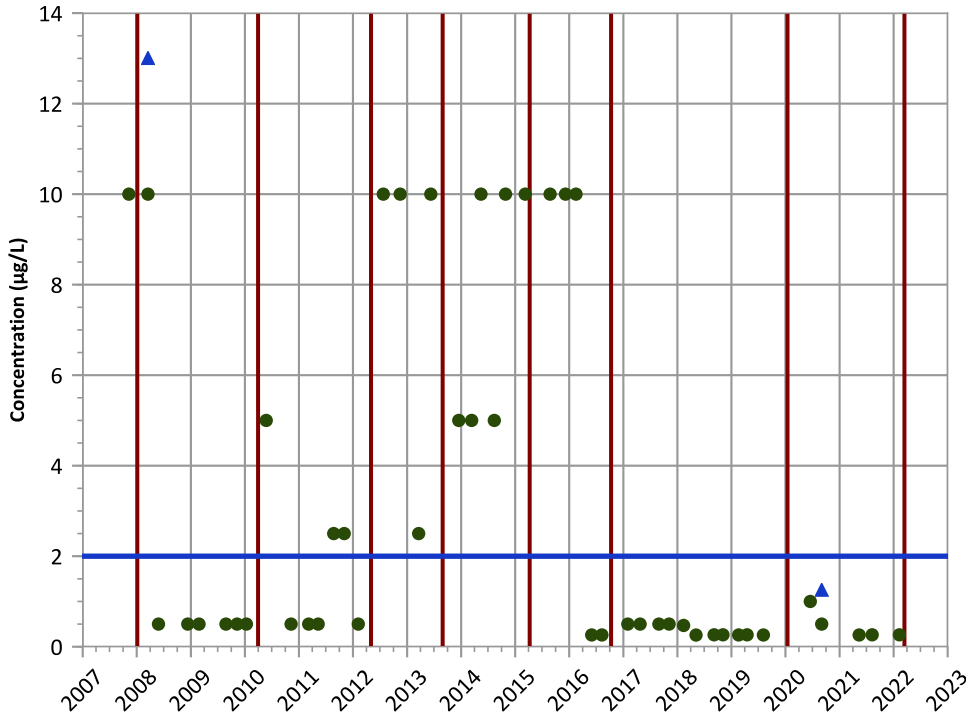


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

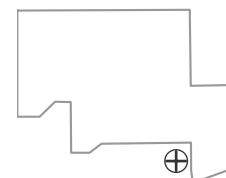


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

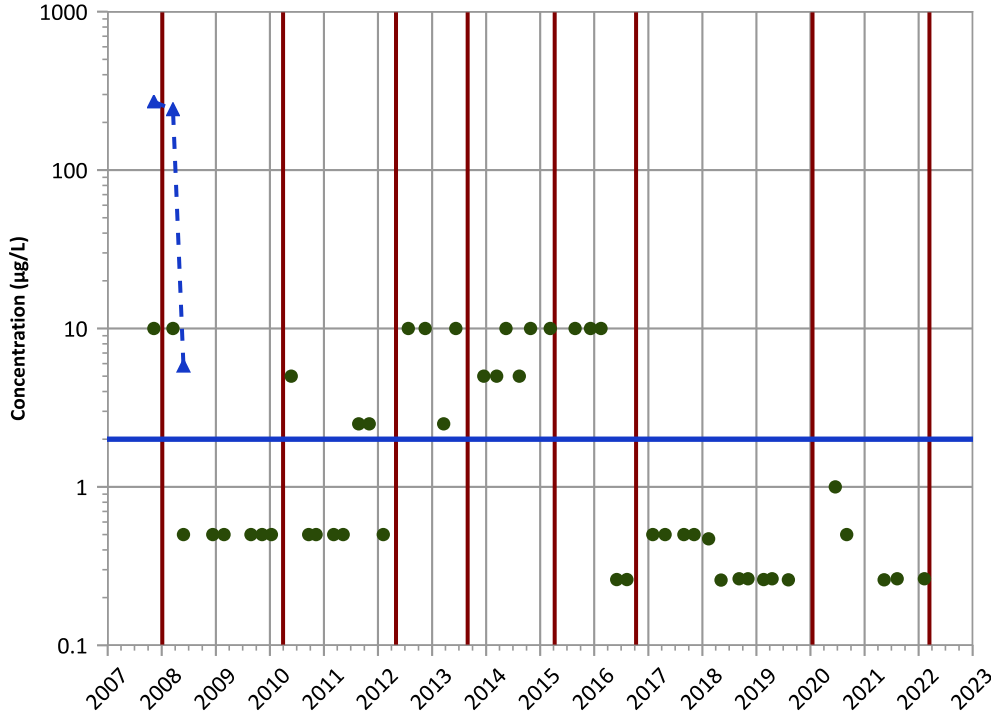


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

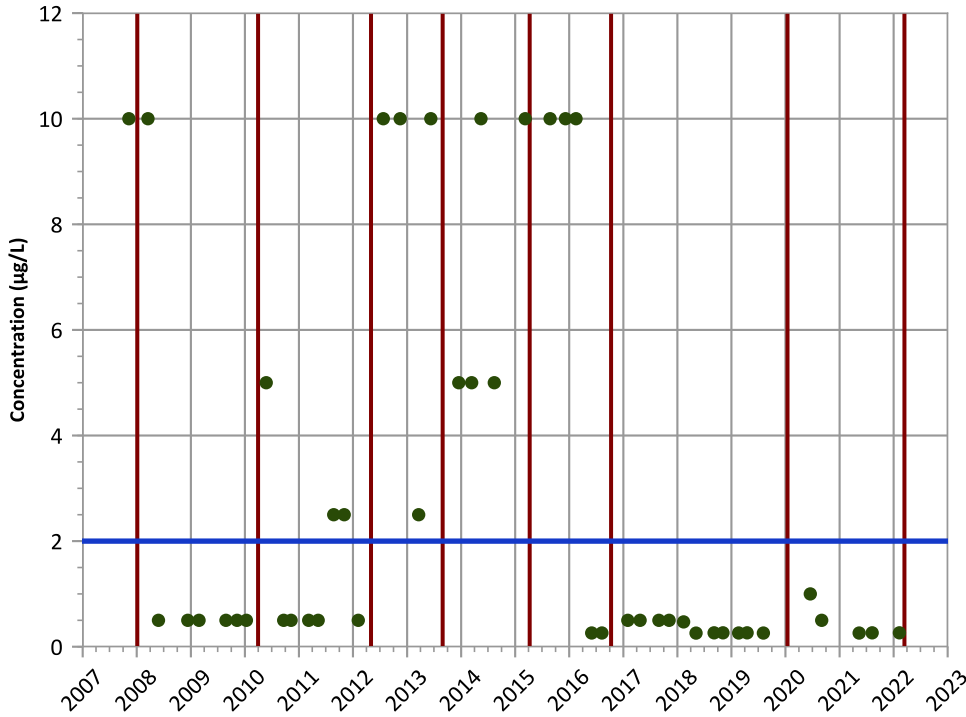
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

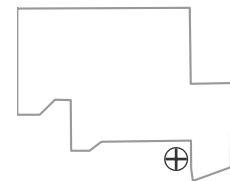
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

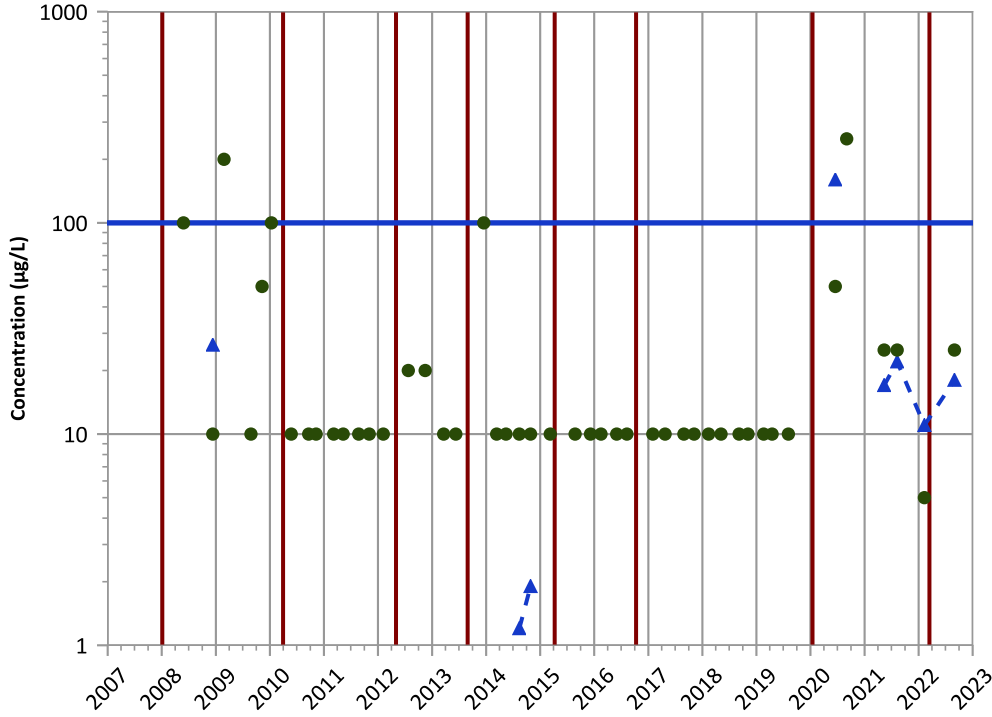
Well Location





PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

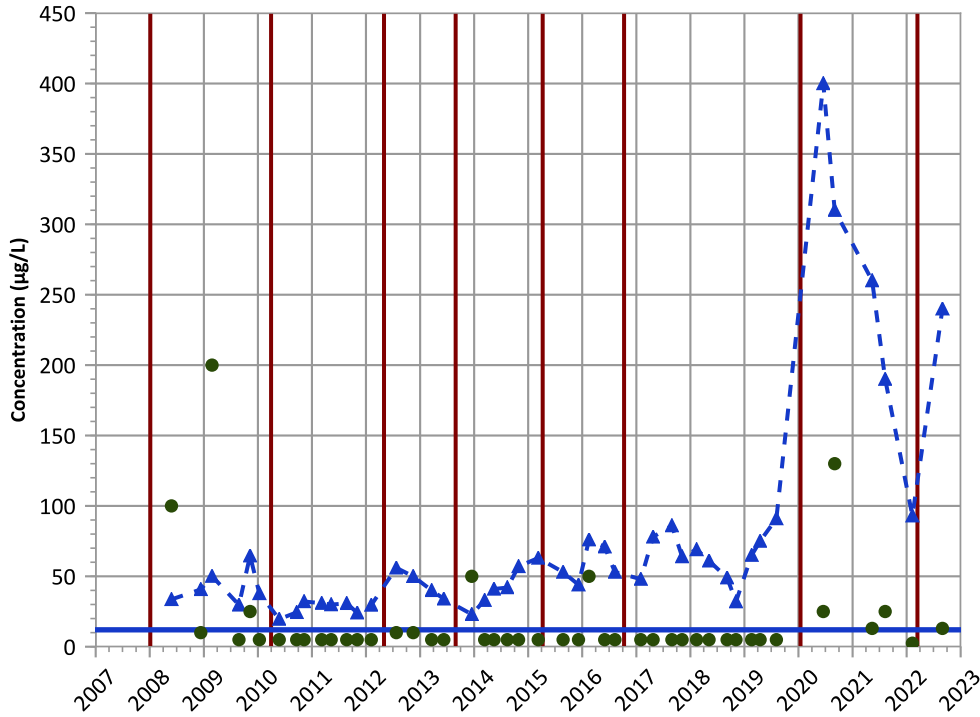


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Arsenic Trend

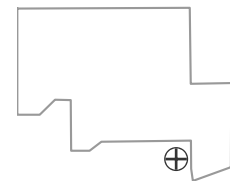


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Well Location

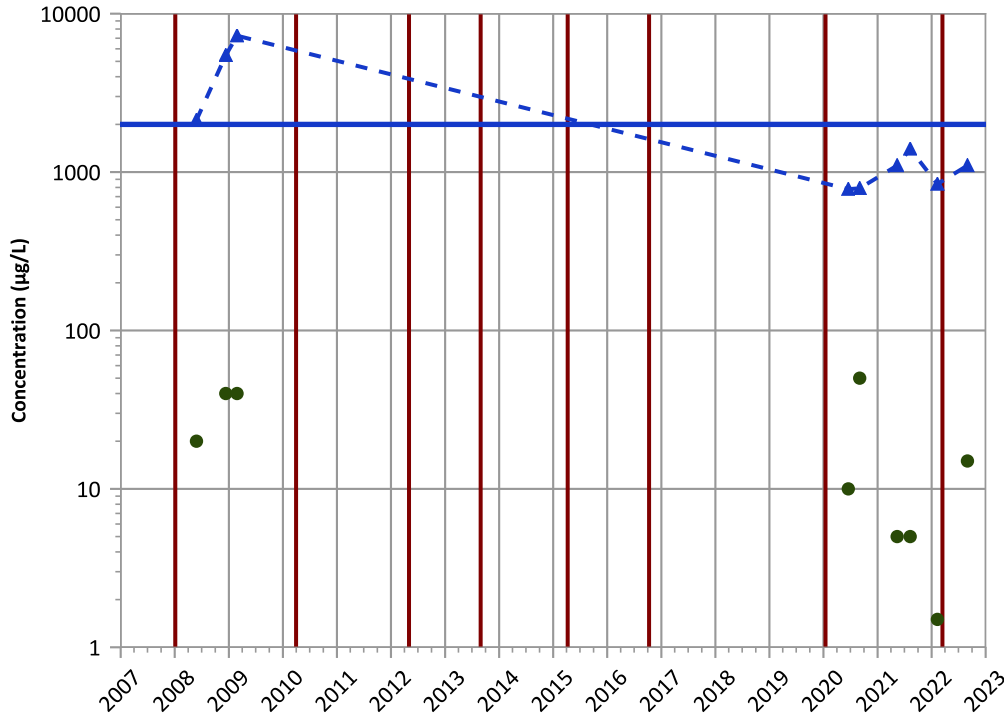


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

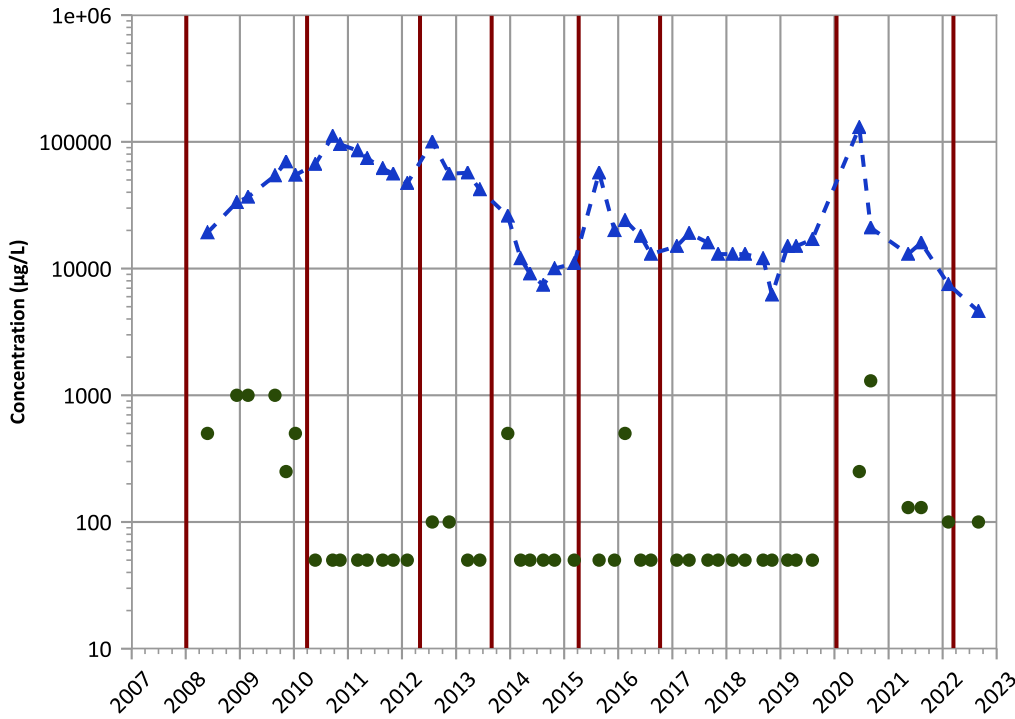


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Iron Trend



Concentration Trend

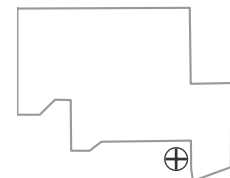
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/31/2022  
Analysis Date: 04/24/2023

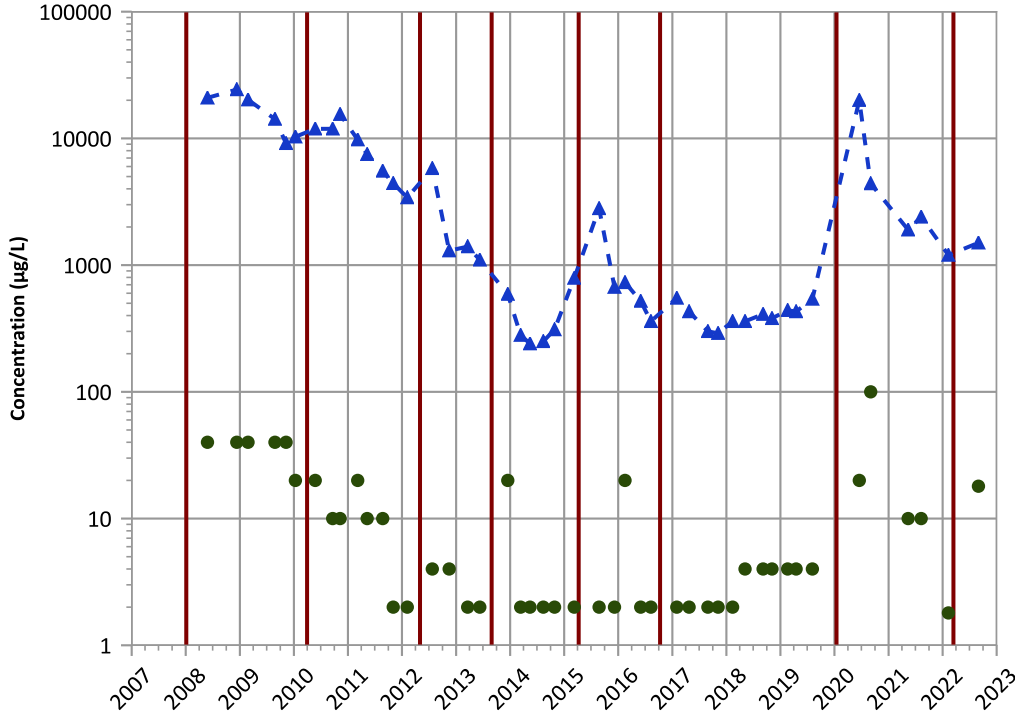
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

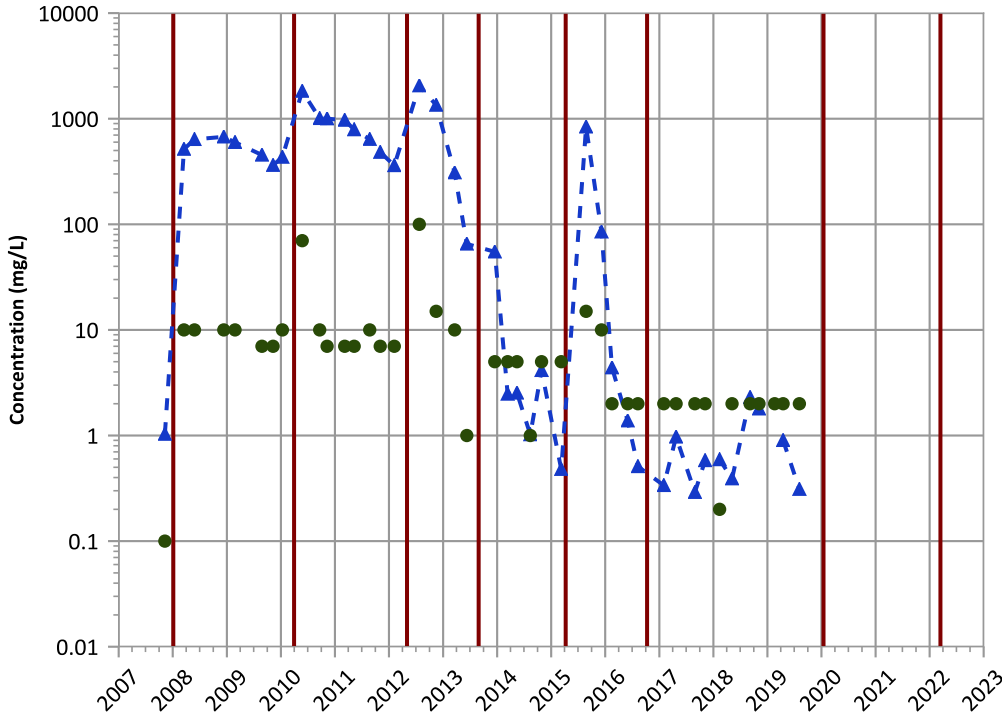
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

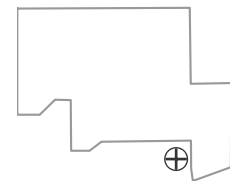
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Well Location

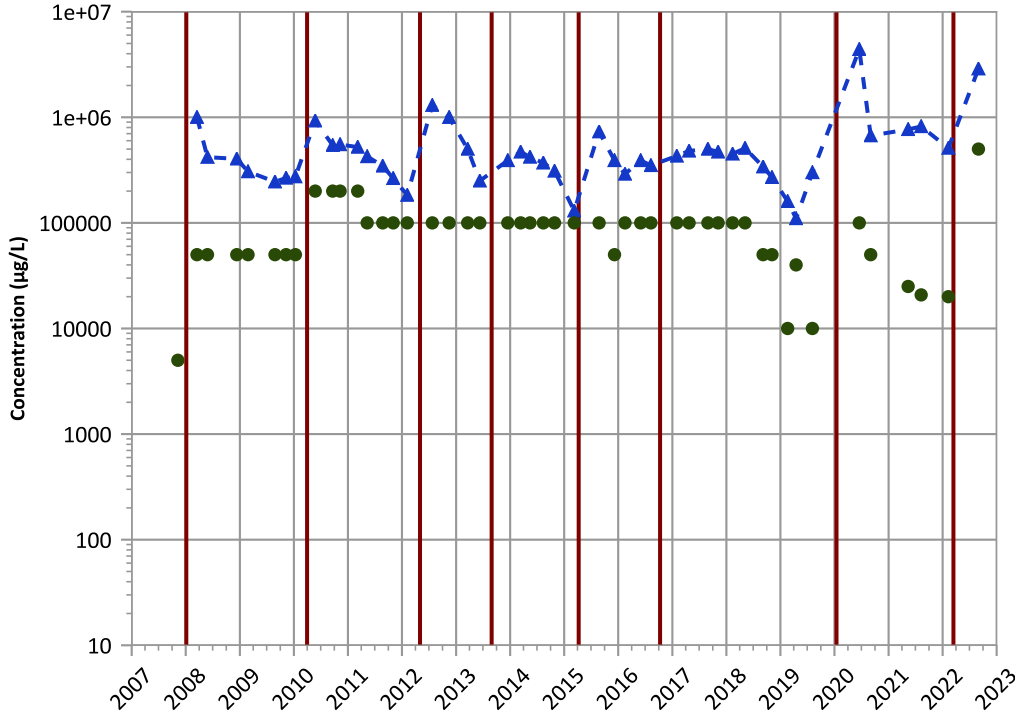


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

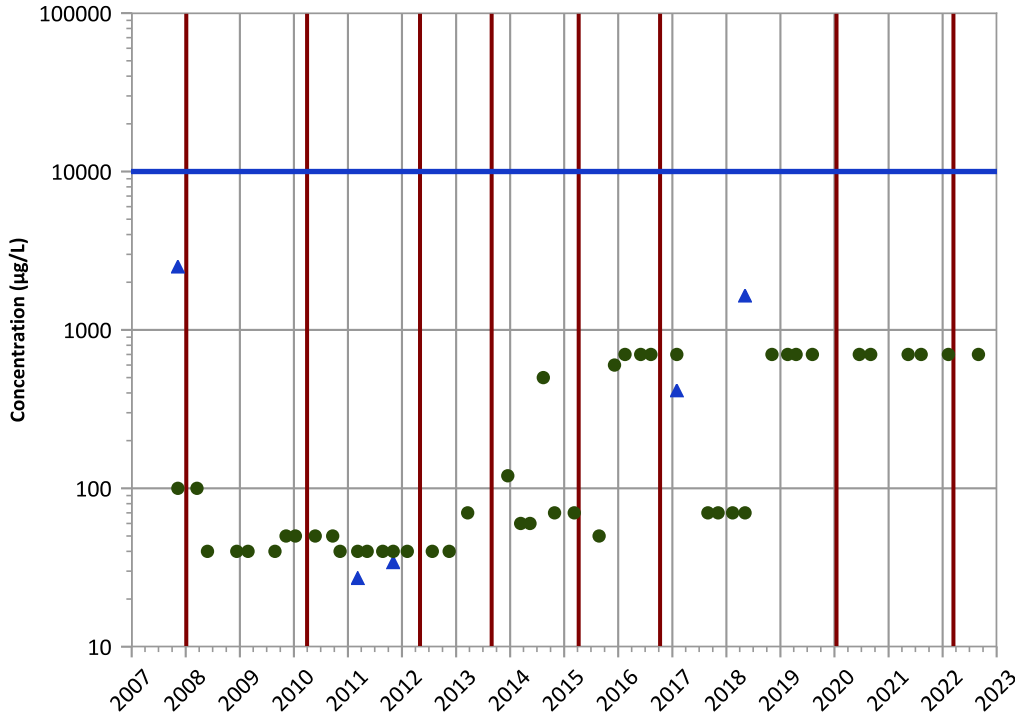
Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

Nitrate as N Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

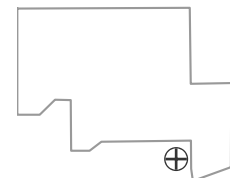
2020 - 2022 Data:

Probably Increasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/31/2022  
Analysis Date: 04/24/2023

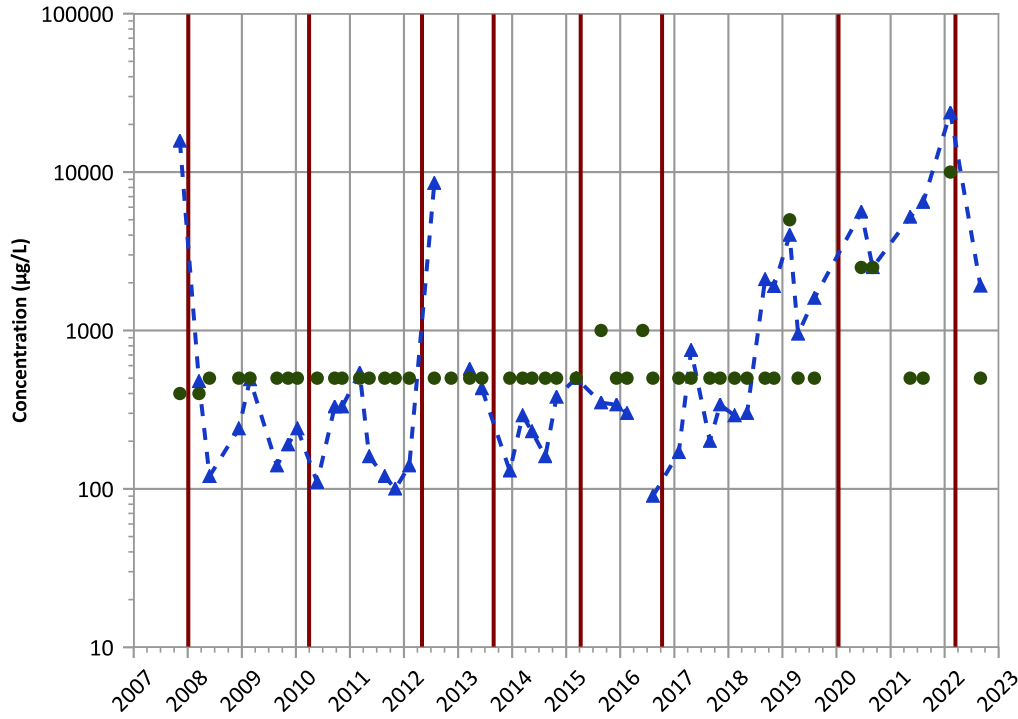
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB046 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

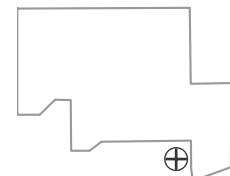
2020 - 2022 Data:

No Trend

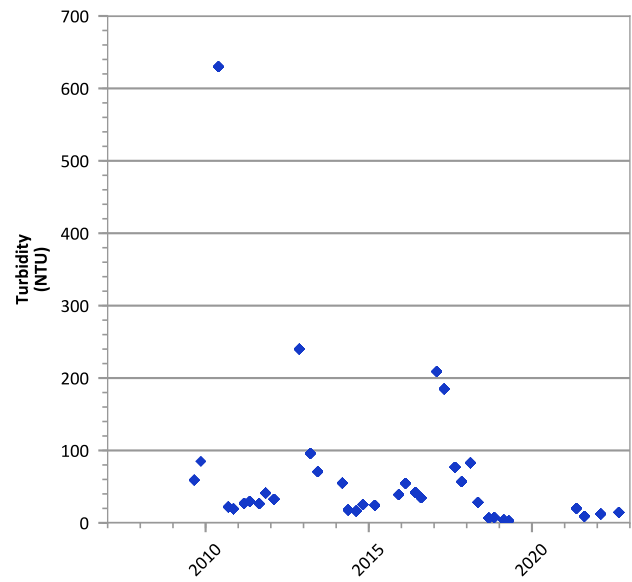
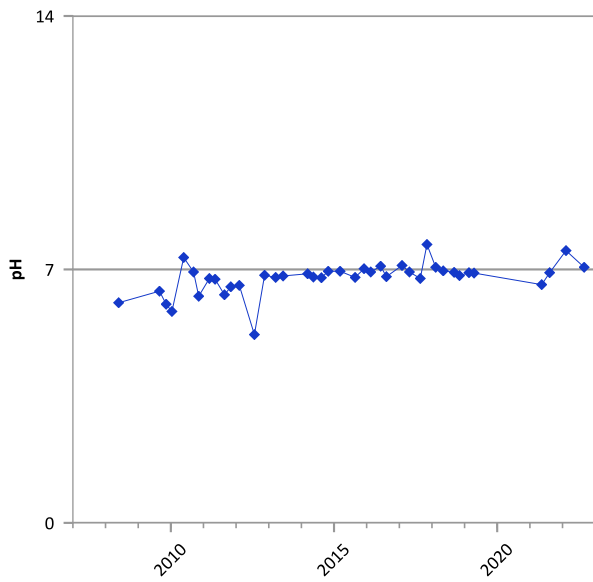
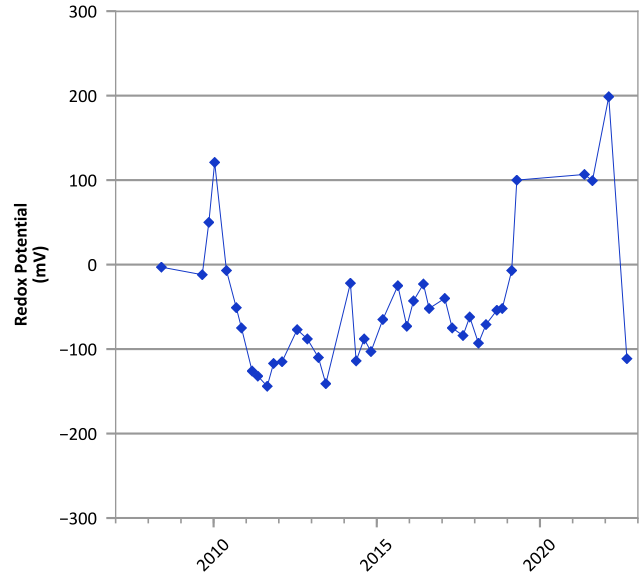
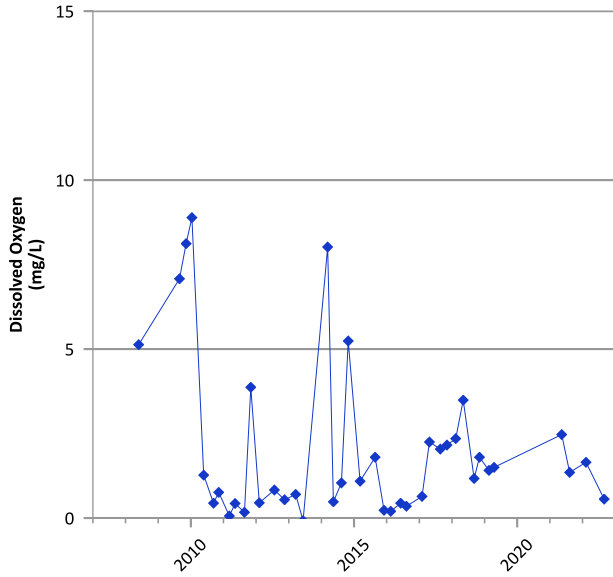
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/09/2007 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

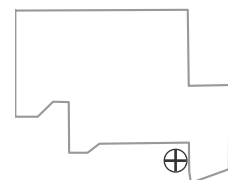


**PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



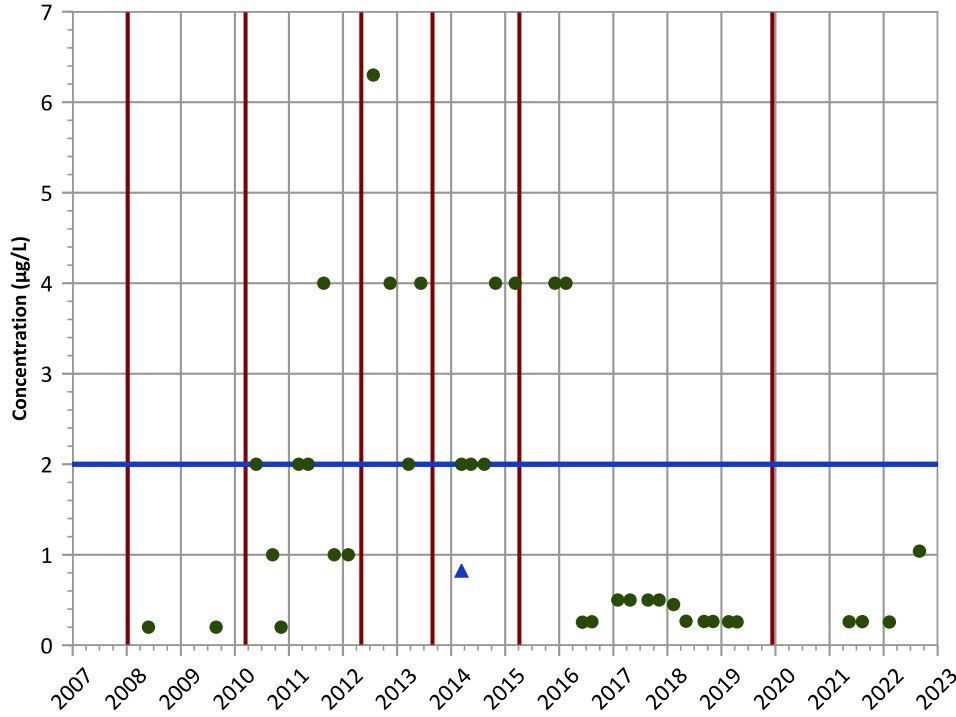
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 05/27/2008 to 08/31/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

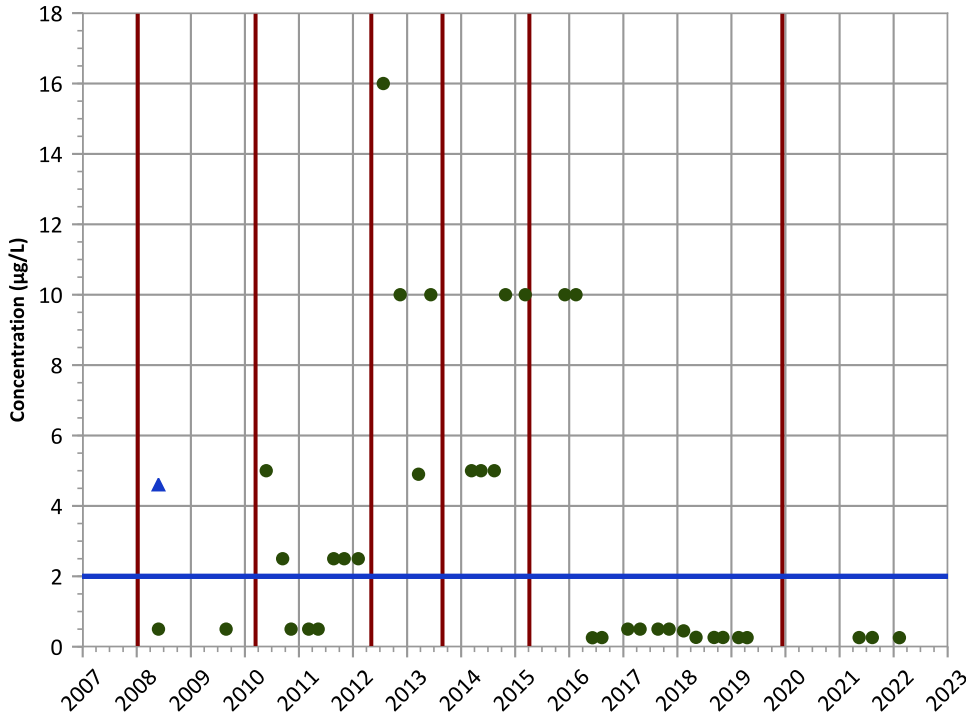


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

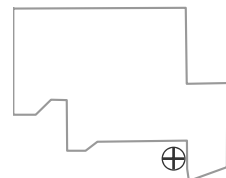


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

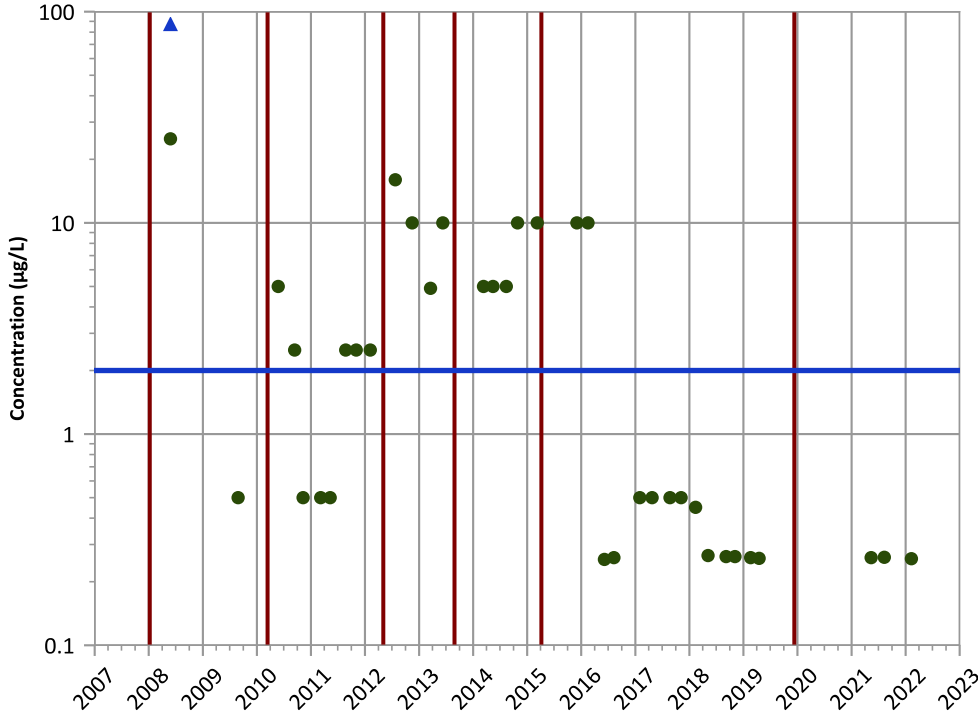


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/27/2008 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

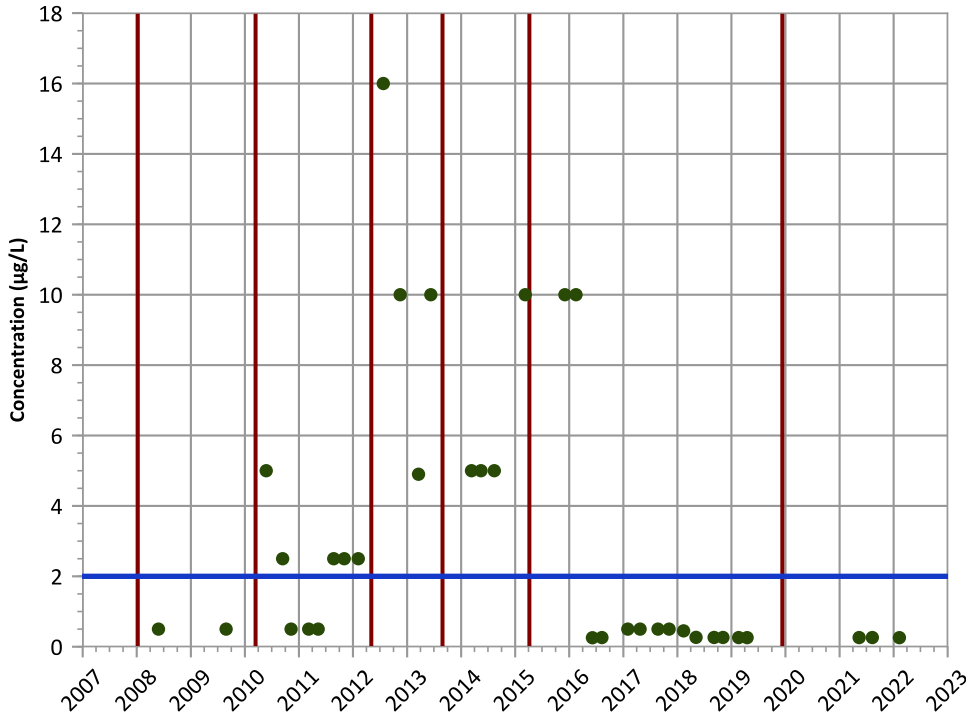


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

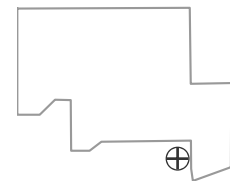


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location



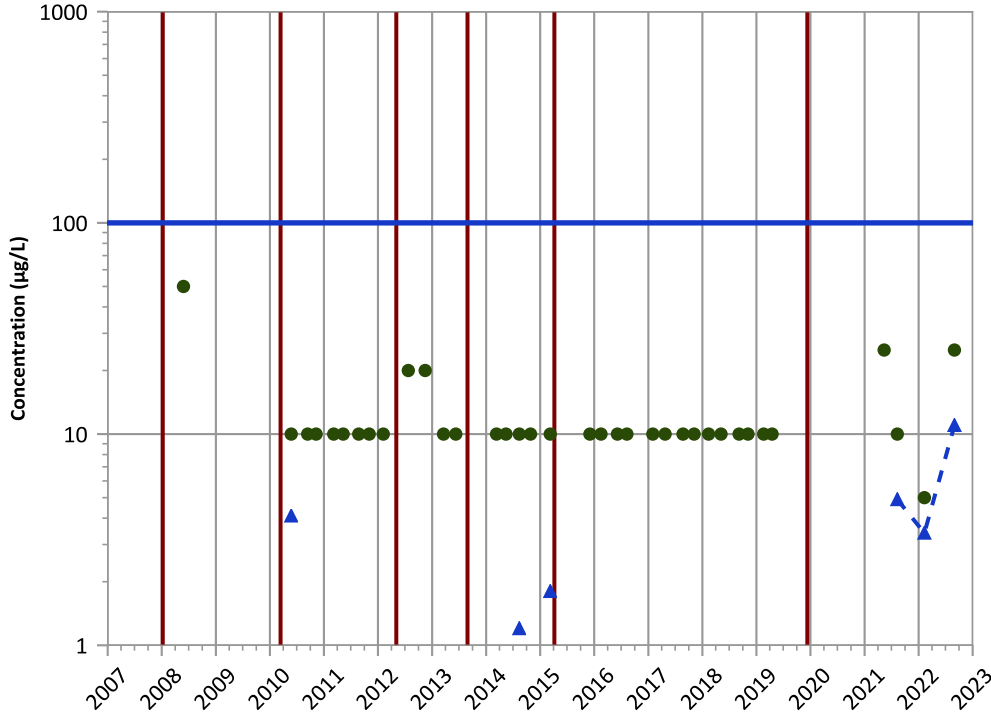
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/27/2008 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

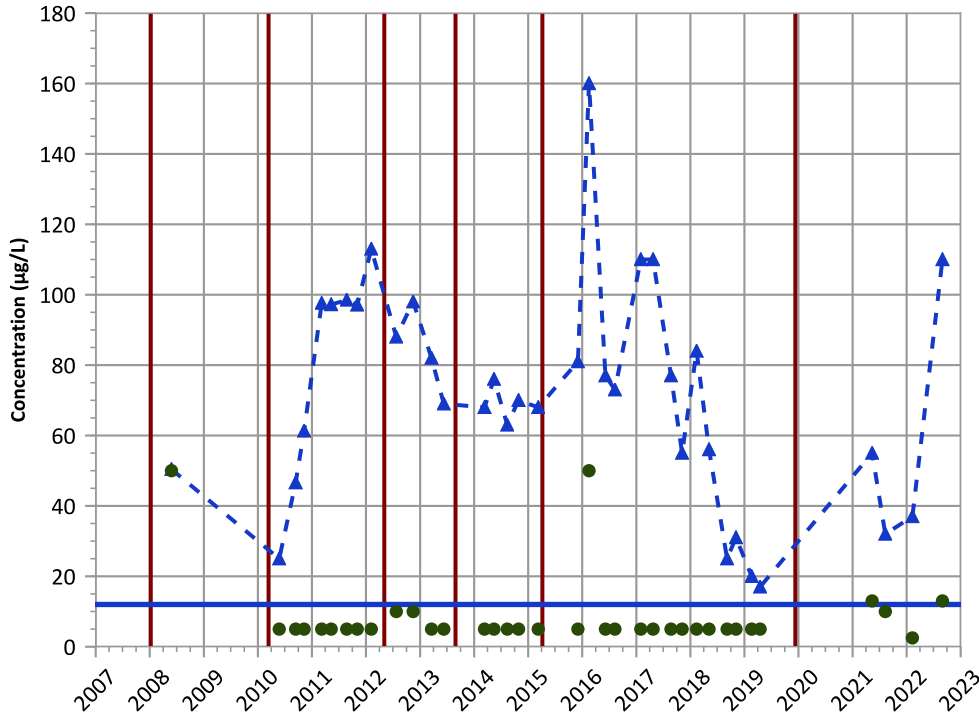


PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



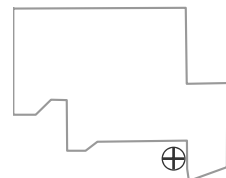
Arsenic Trend



Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 05/27/2008 to 08/31/2022  
 Analysis Date: 04/24/2023

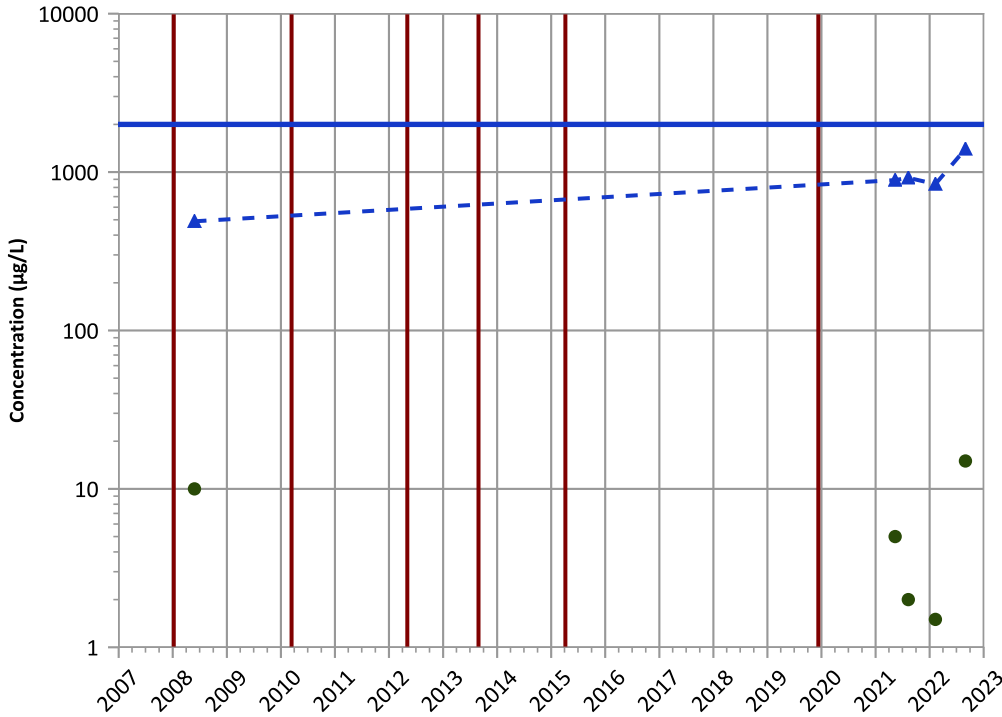
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

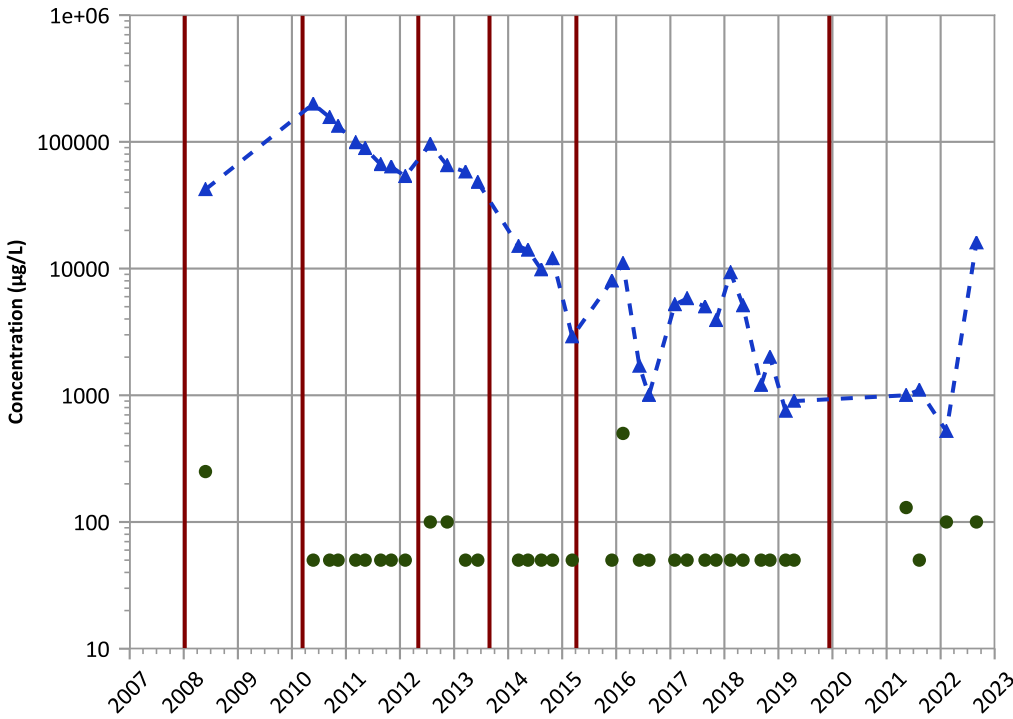
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

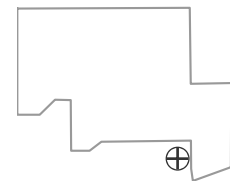
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Well Location

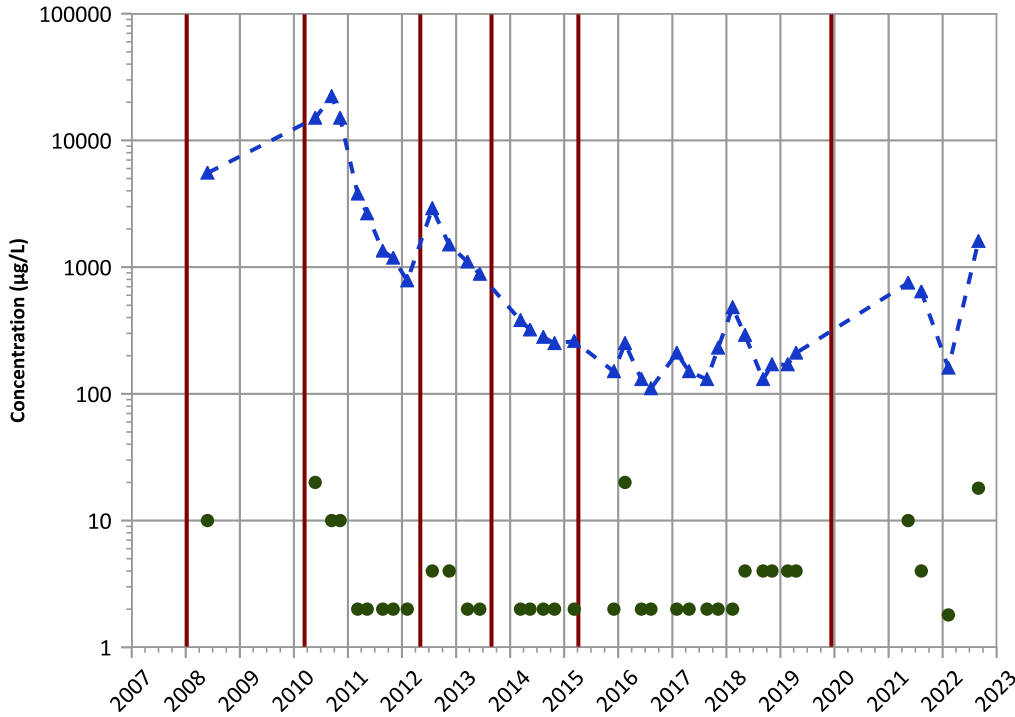


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/27/2008 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

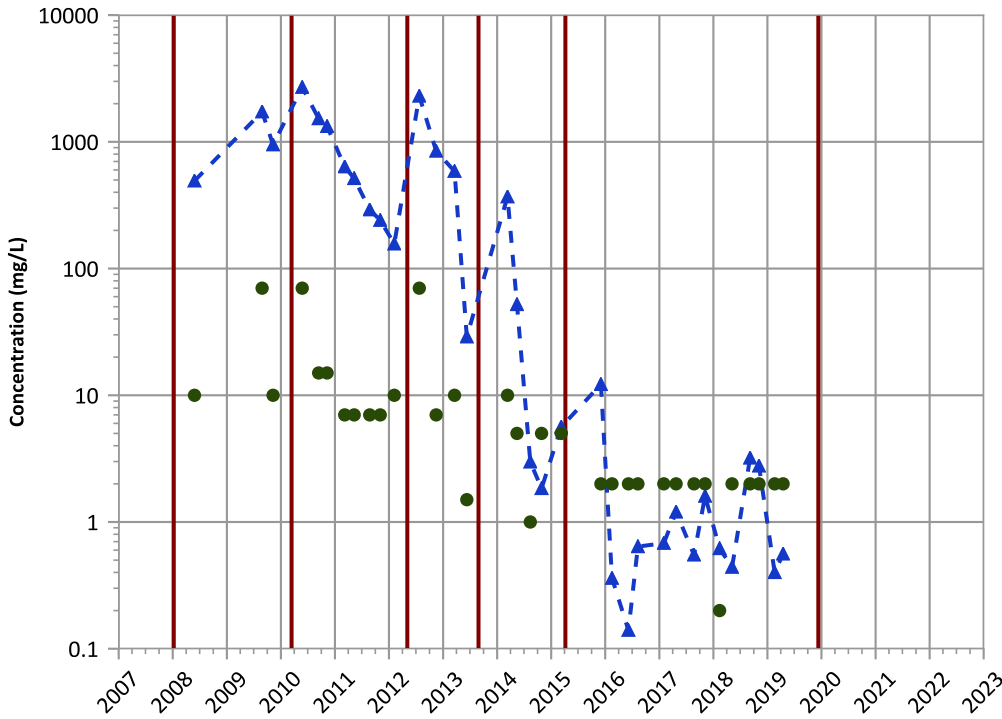


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Total Volatile Fatty Acids Trend

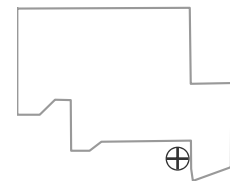


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

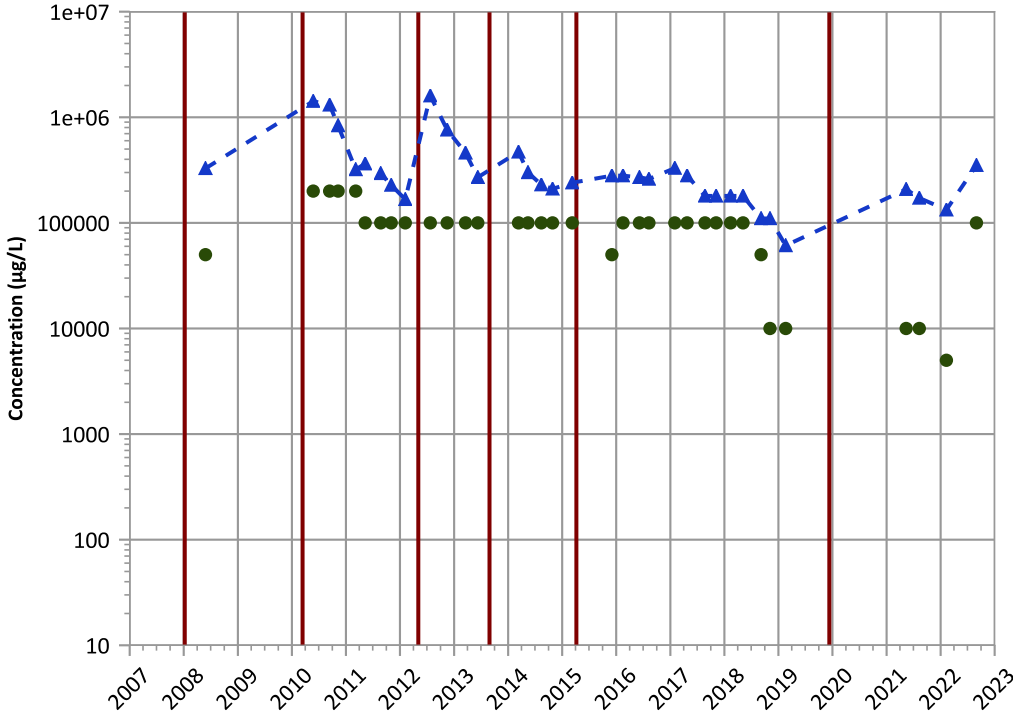


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/27/2008 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

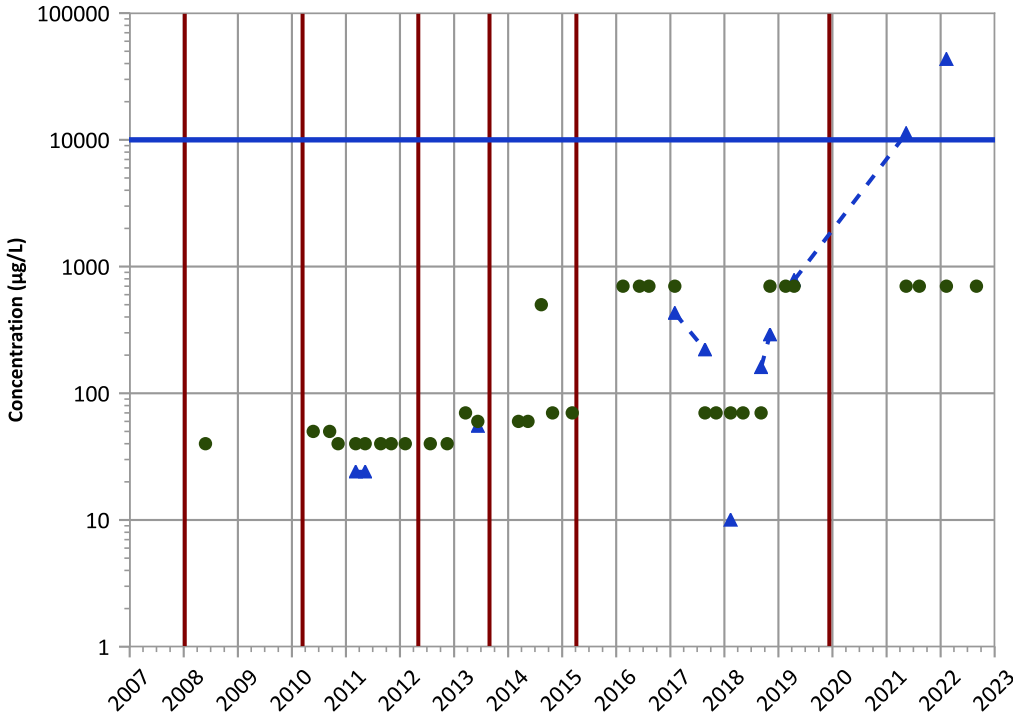


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Nitrate as N Trend

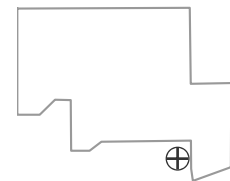


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Well Location

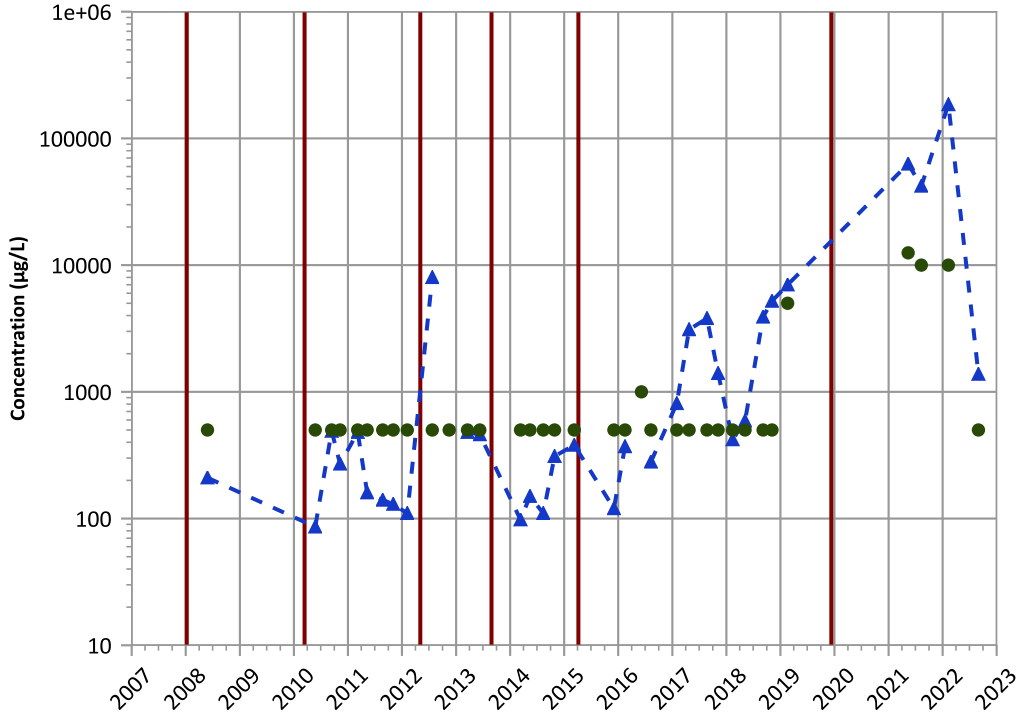


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/27/2008 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB048 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

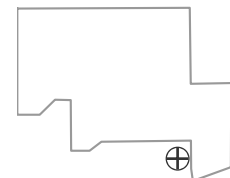
2020 - 2022 Data:

No Trend

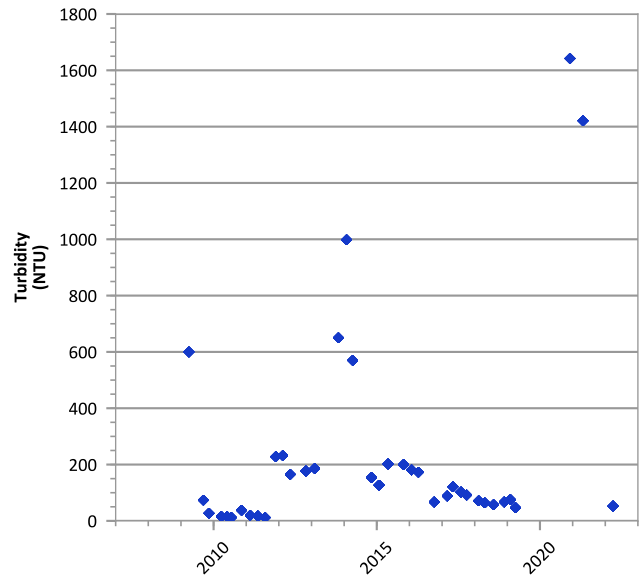
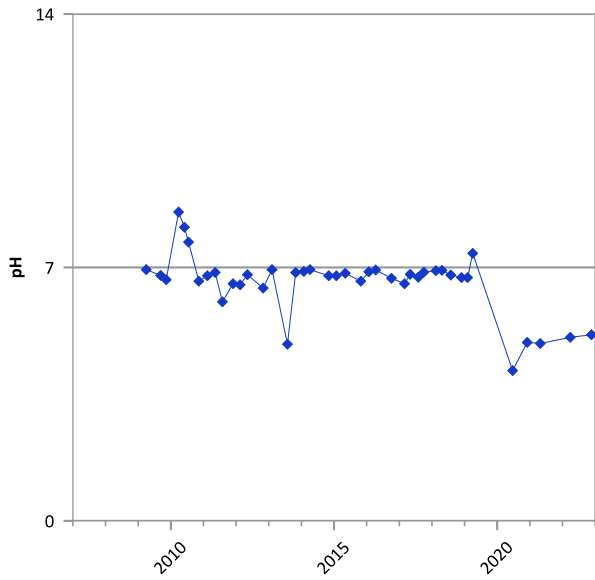
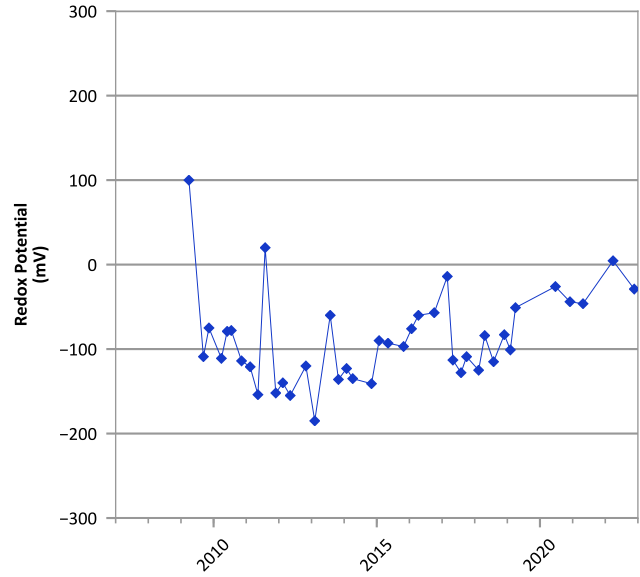
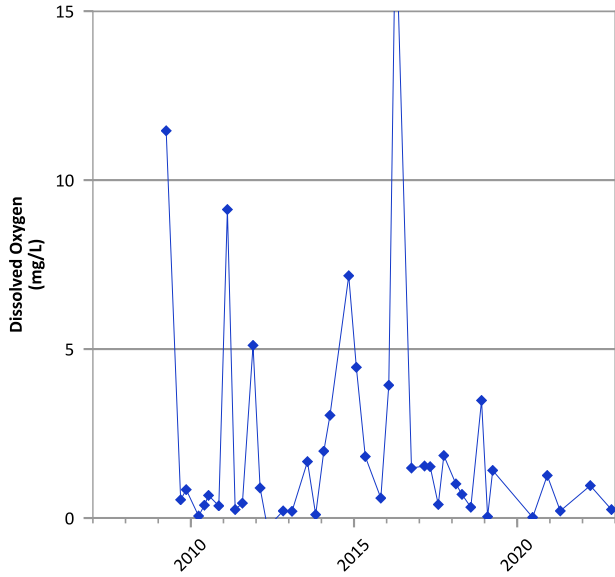
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 05/27/2008 to 08/31/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

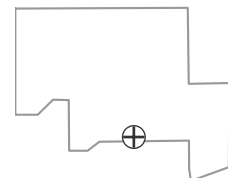


**PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



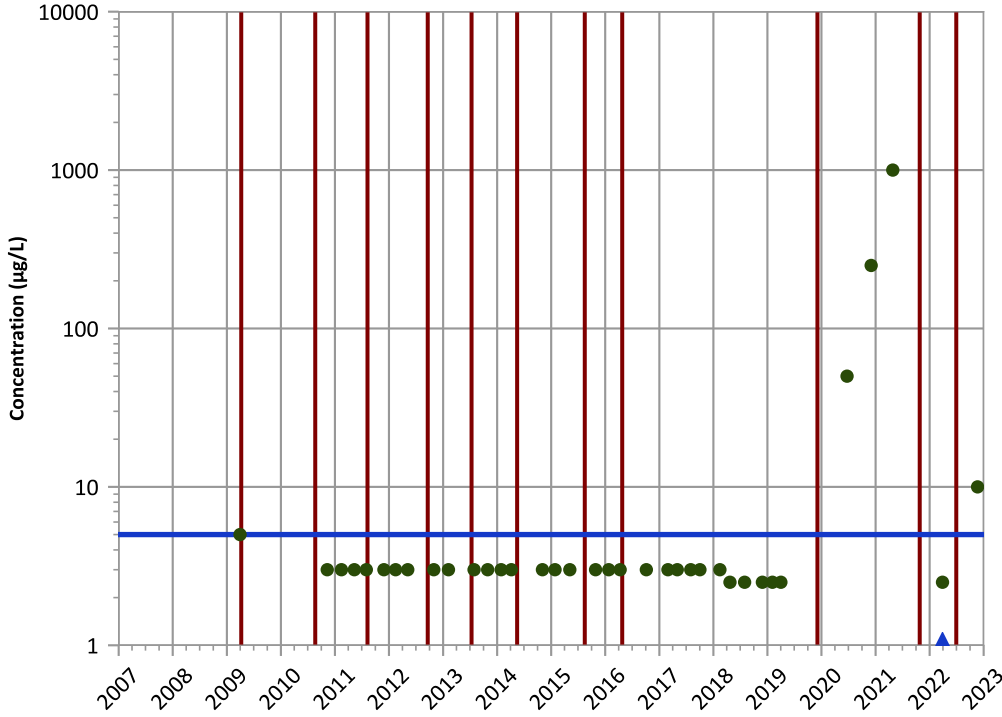
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/31/2009 to 11/21/2022  
 Analysis Date: 04/24/2023

Well Location



PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

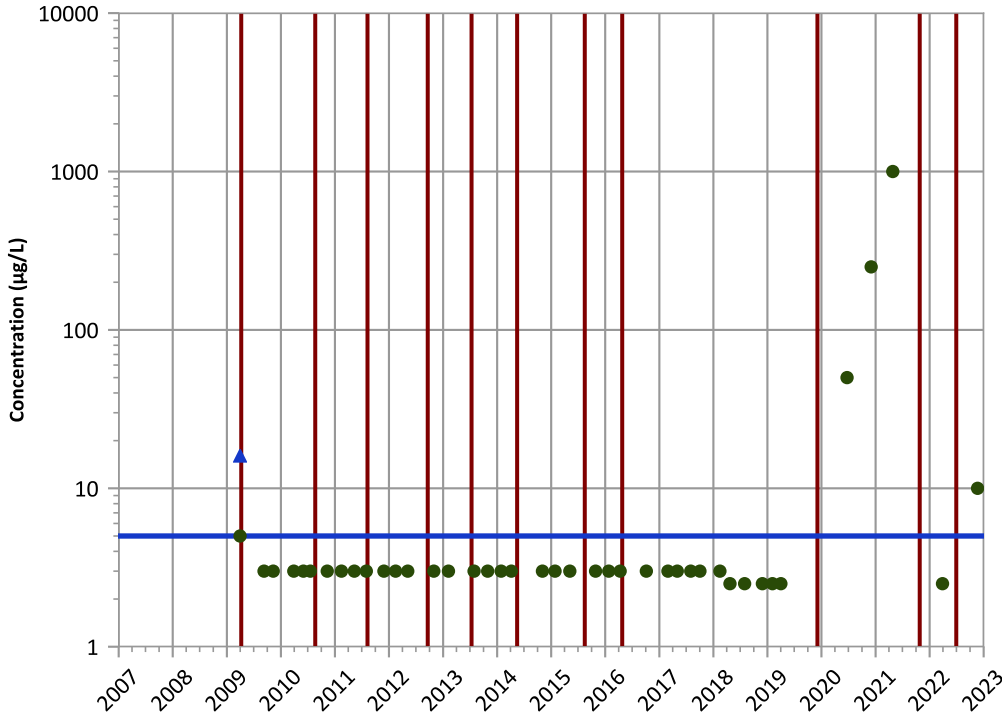
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

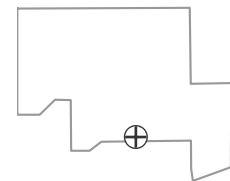
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

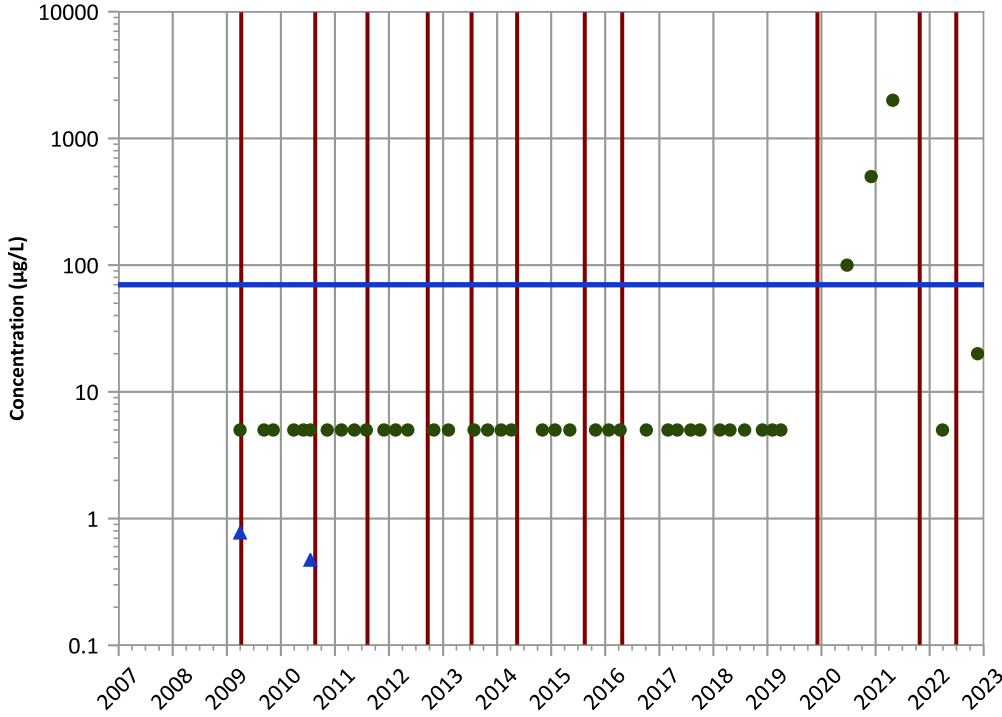


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend

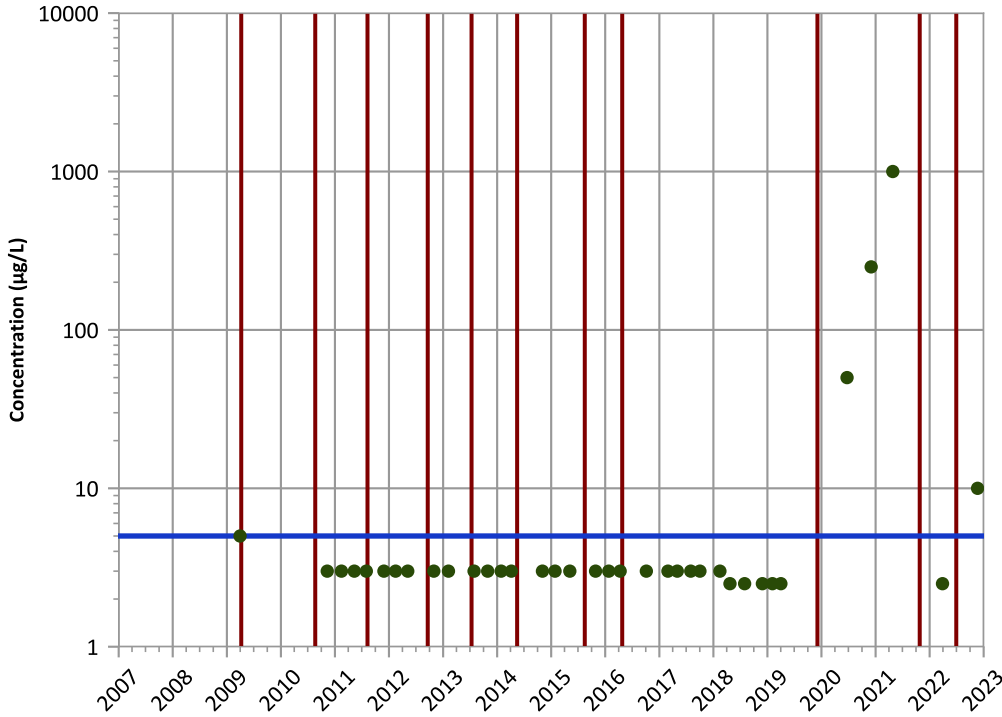


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,2-Dichloroethane Trend

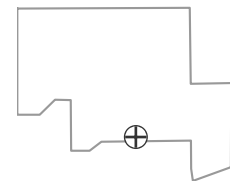


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location



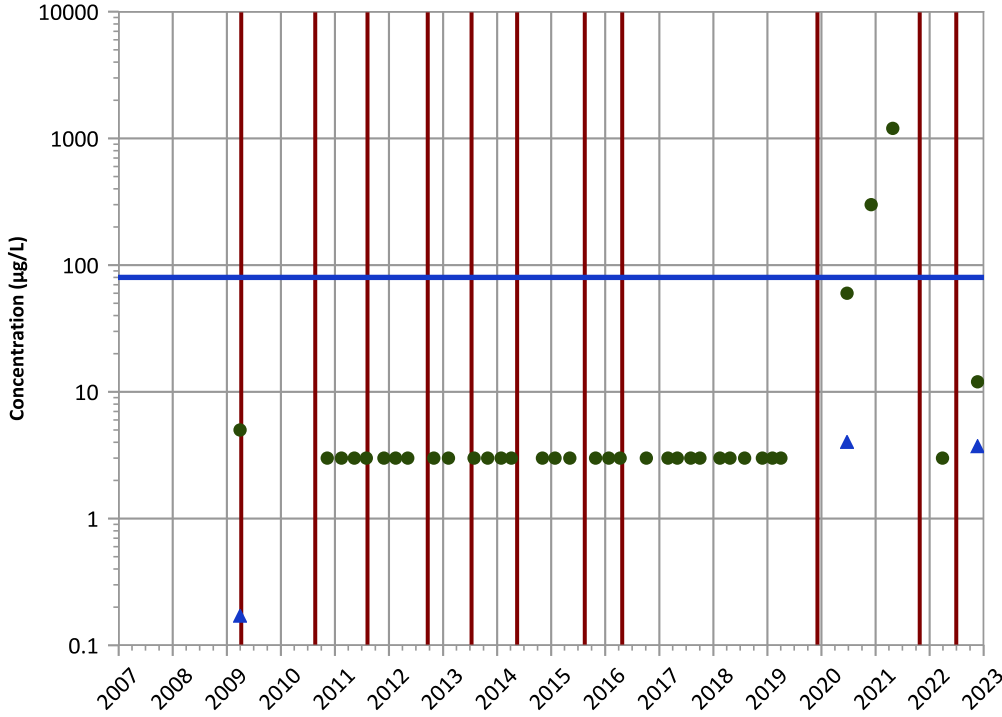
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

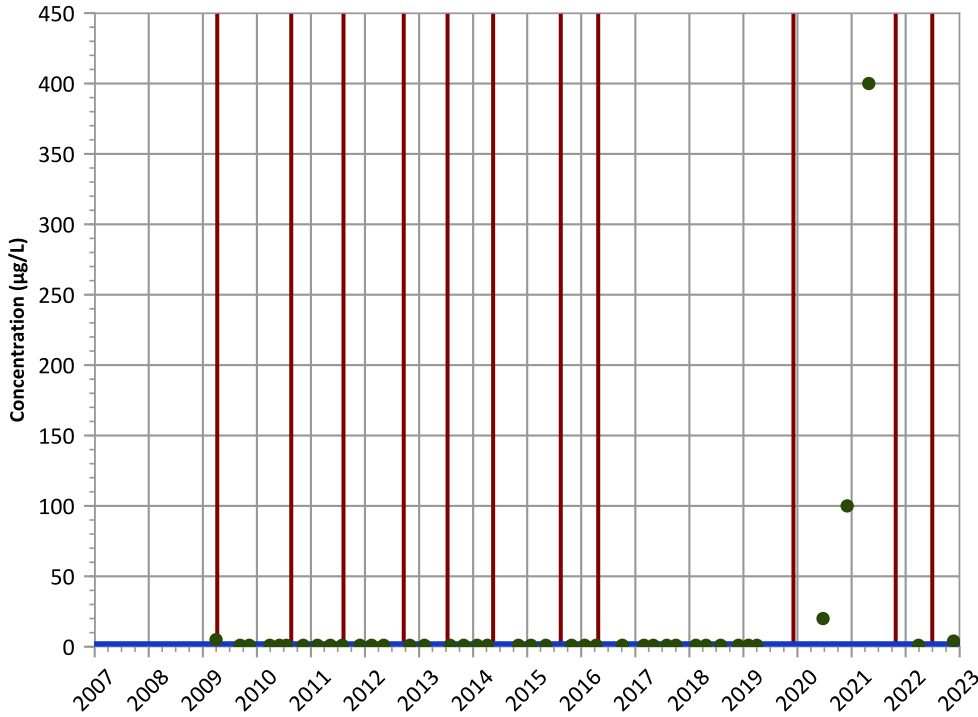


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Vinyl Chloride Trend

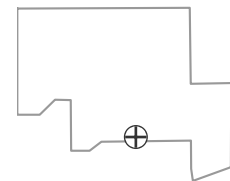


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

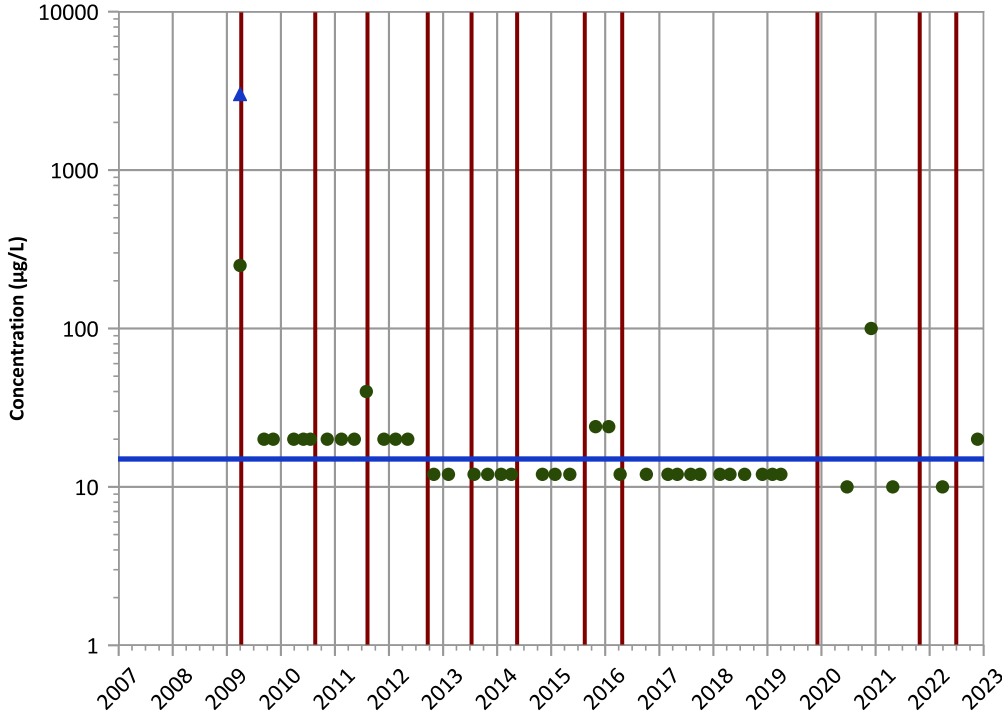


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

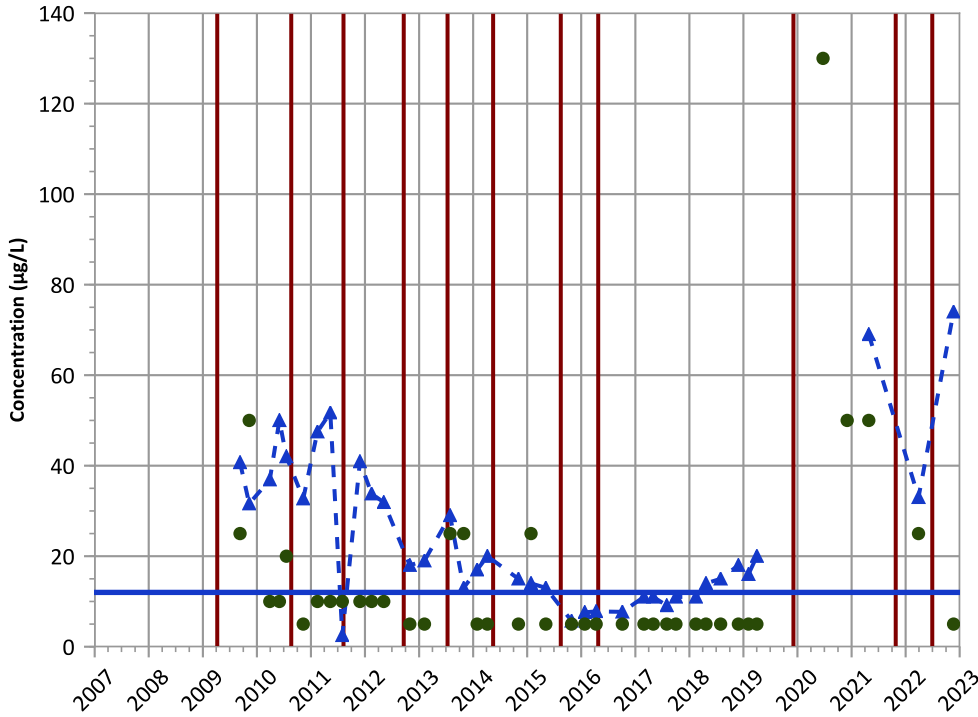
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

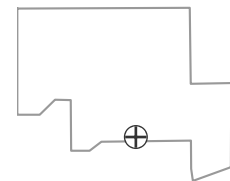
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

Well Location

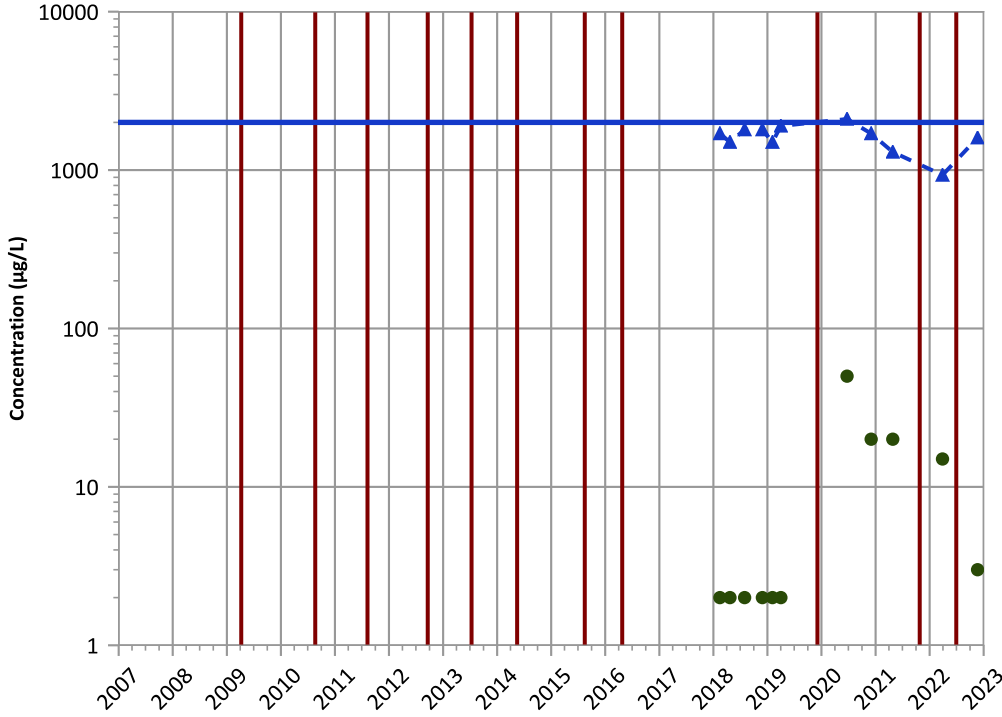


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

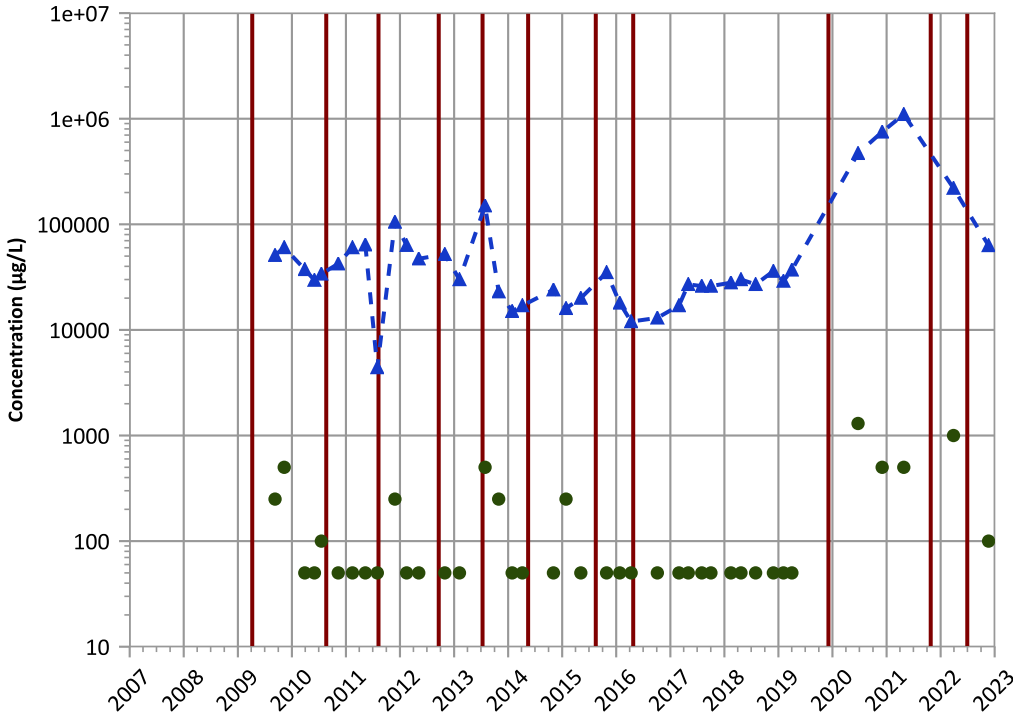


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Iron Trend

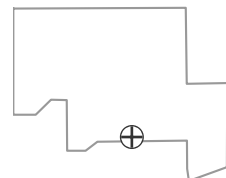


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Well Location

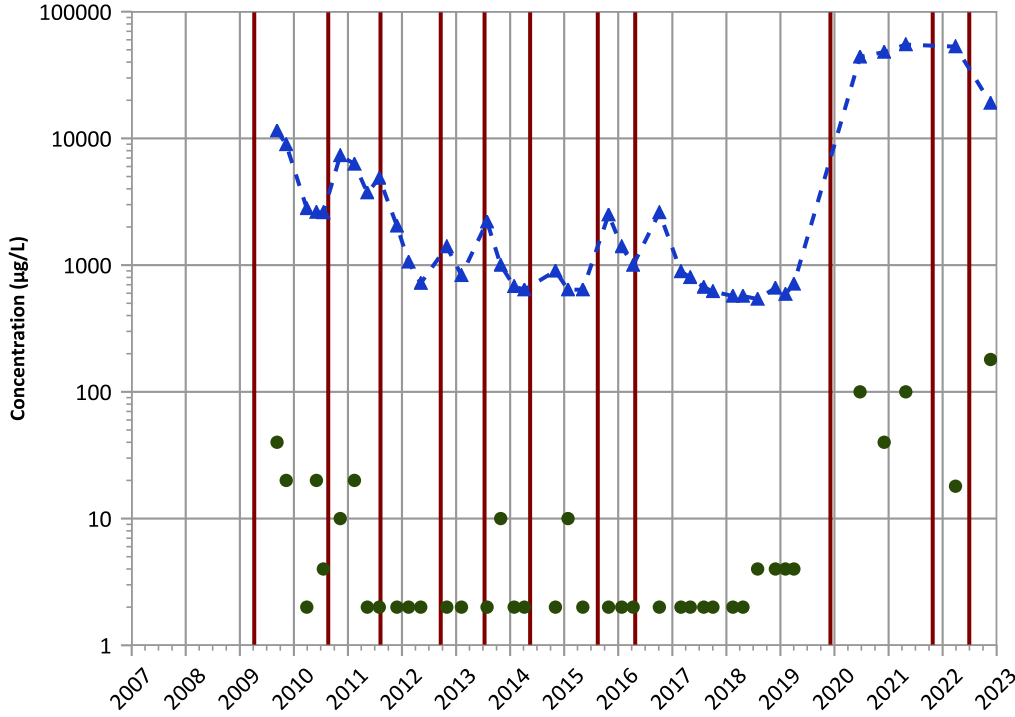


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

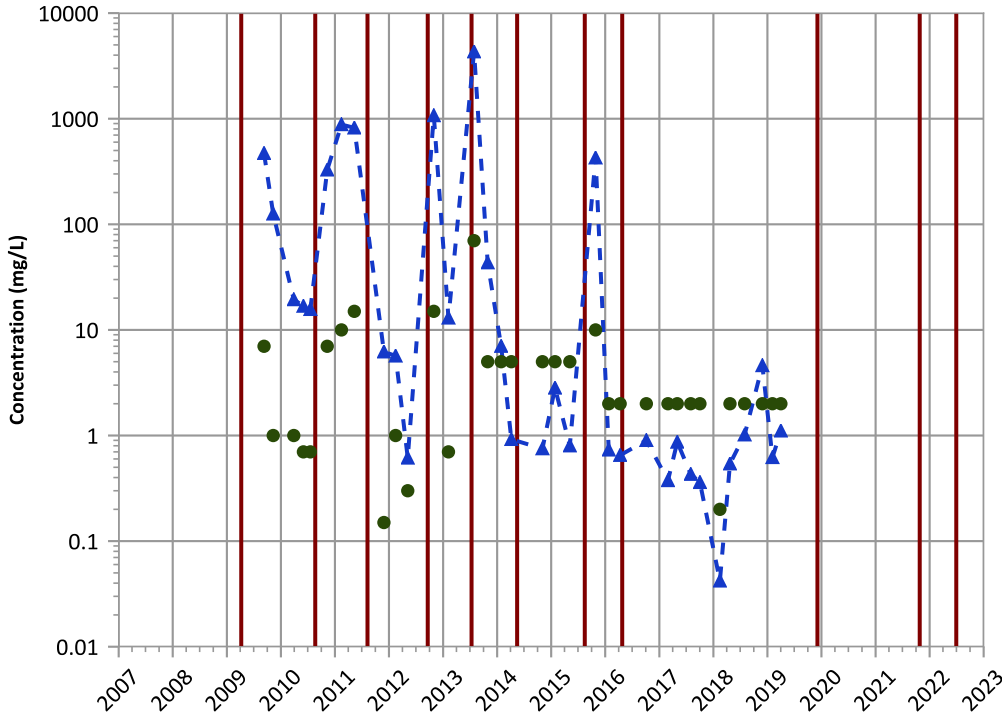


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Total Volatile Fatty Acids Trend

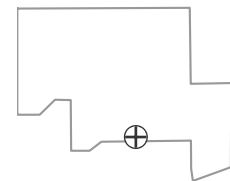


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

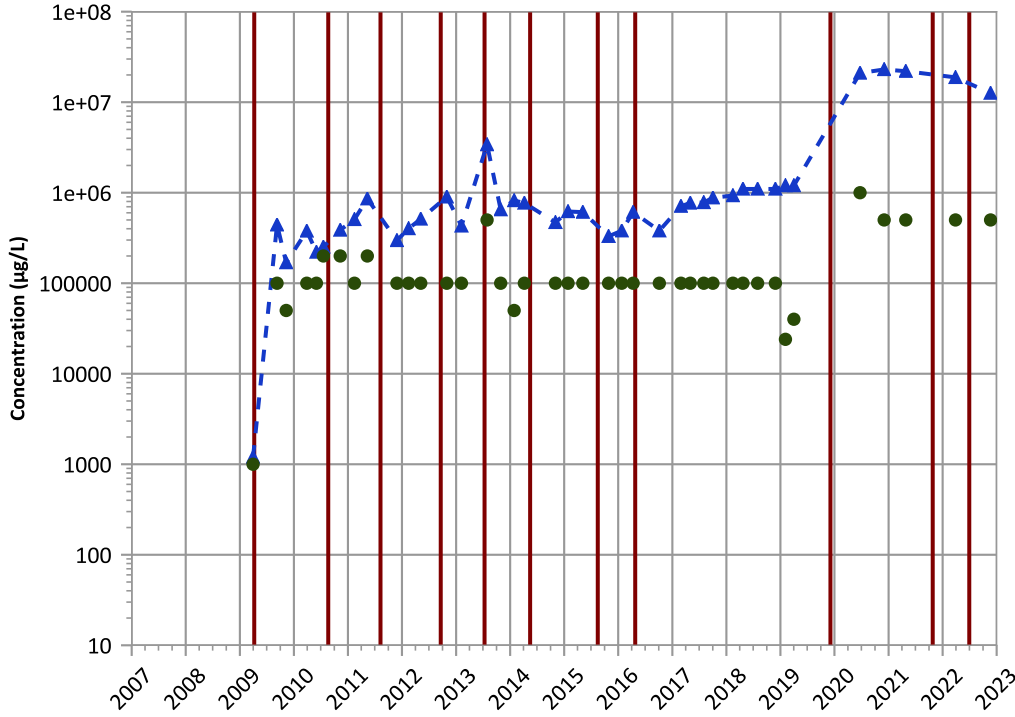


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

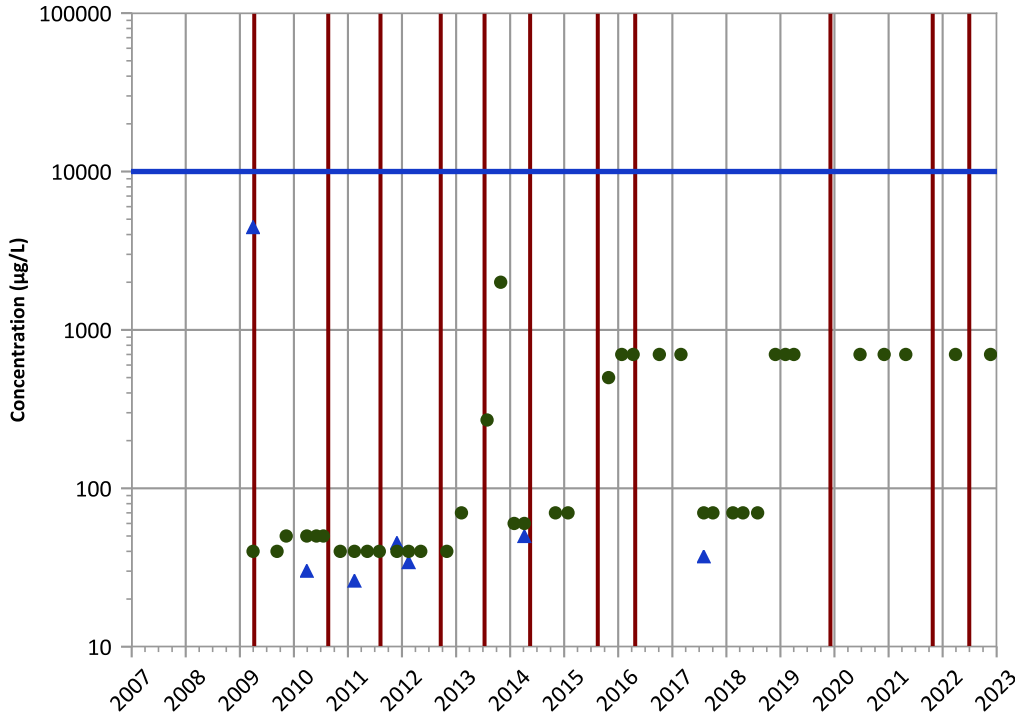


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Nitrate as N Trend

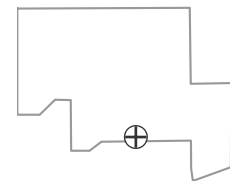


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

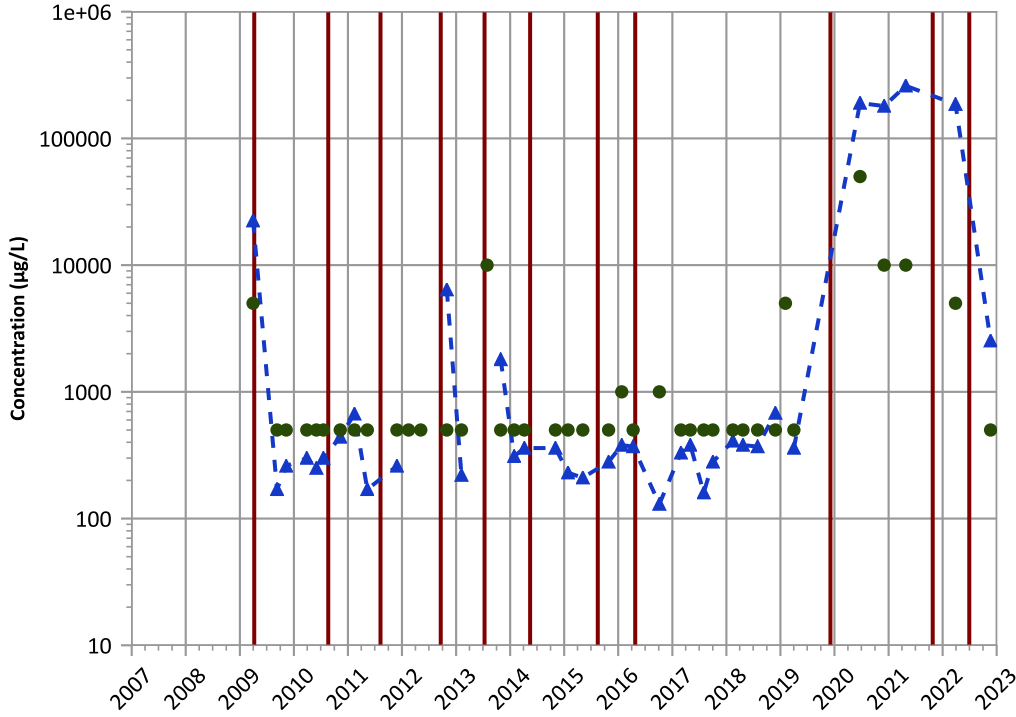


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB055 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

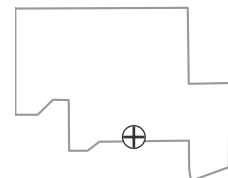
2020 - 2022 Data:

Stable

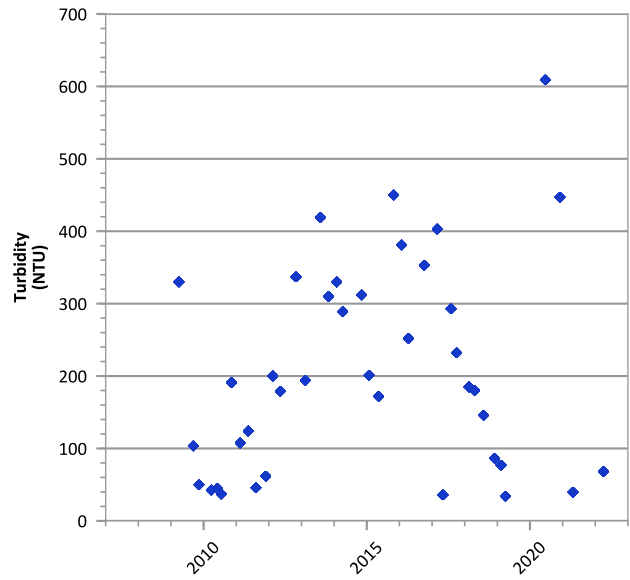
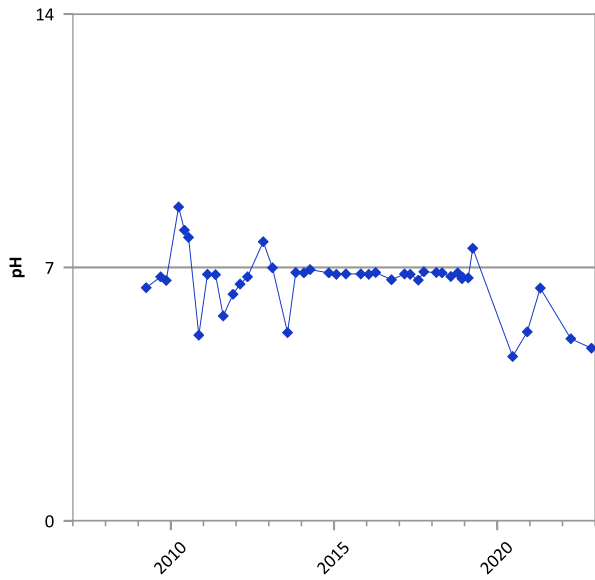
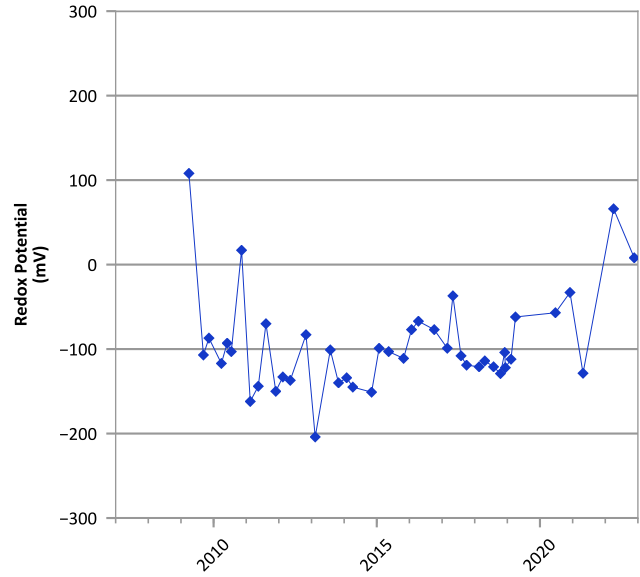
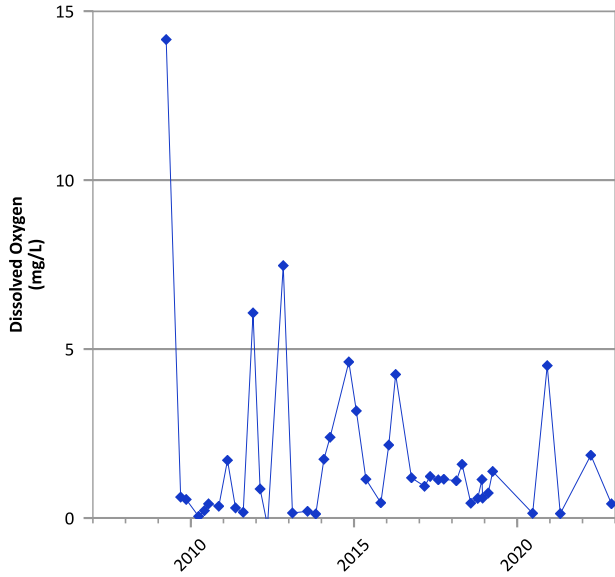
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

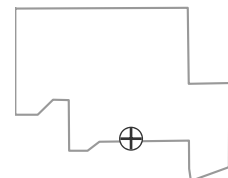


**PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



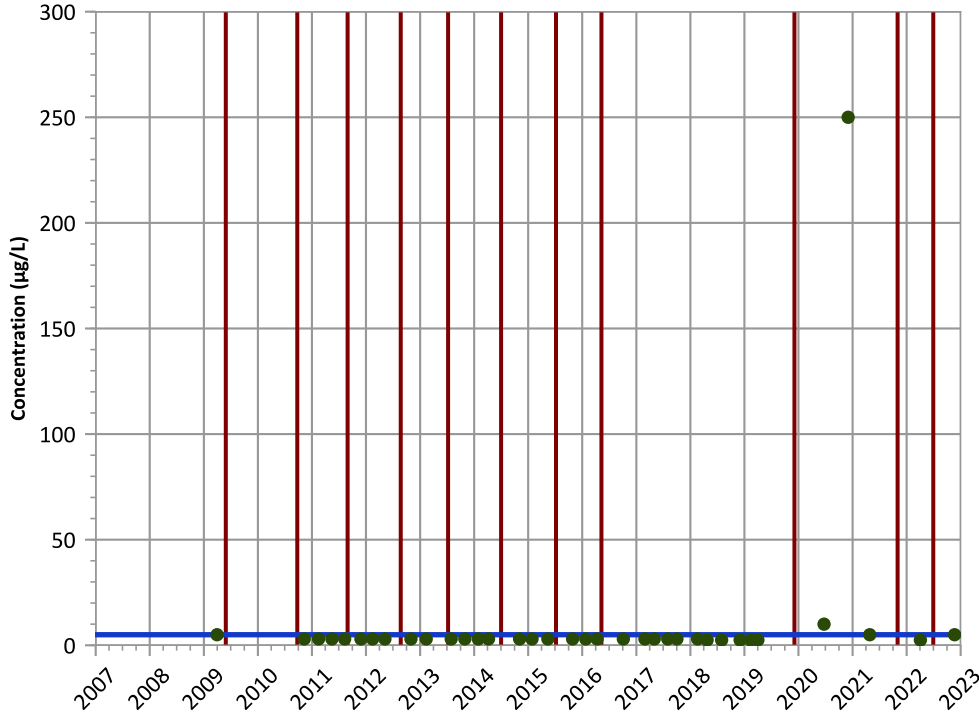
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 03/31/2009 to 11/21/2022  
 Analysis Date: 04/24/2023

Well Location



PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

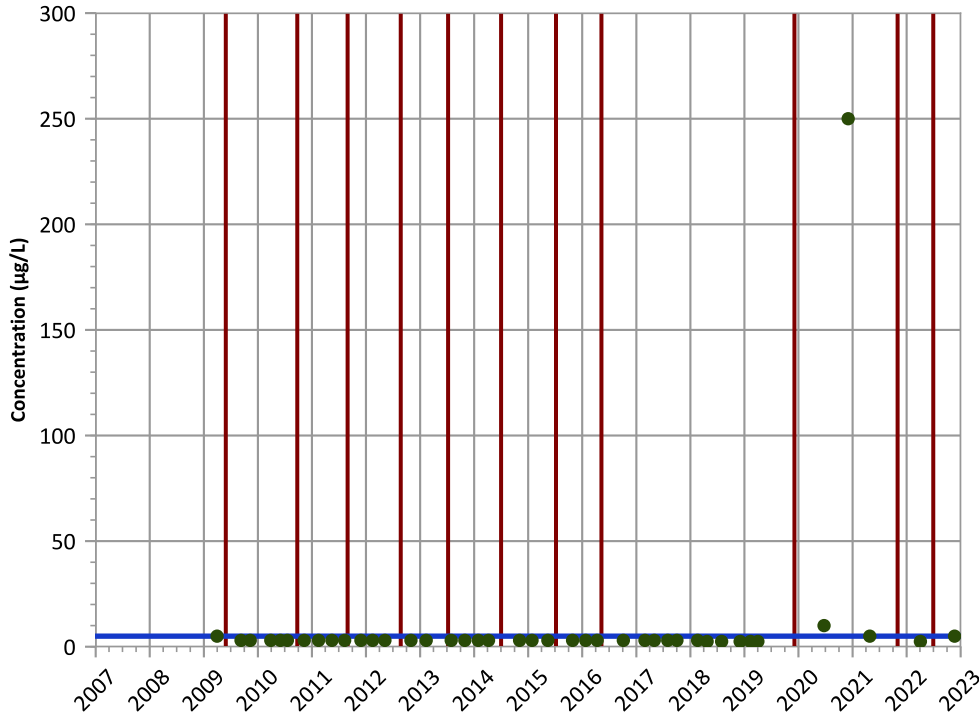
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

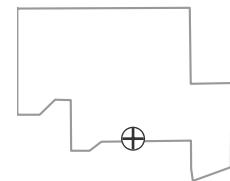
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location



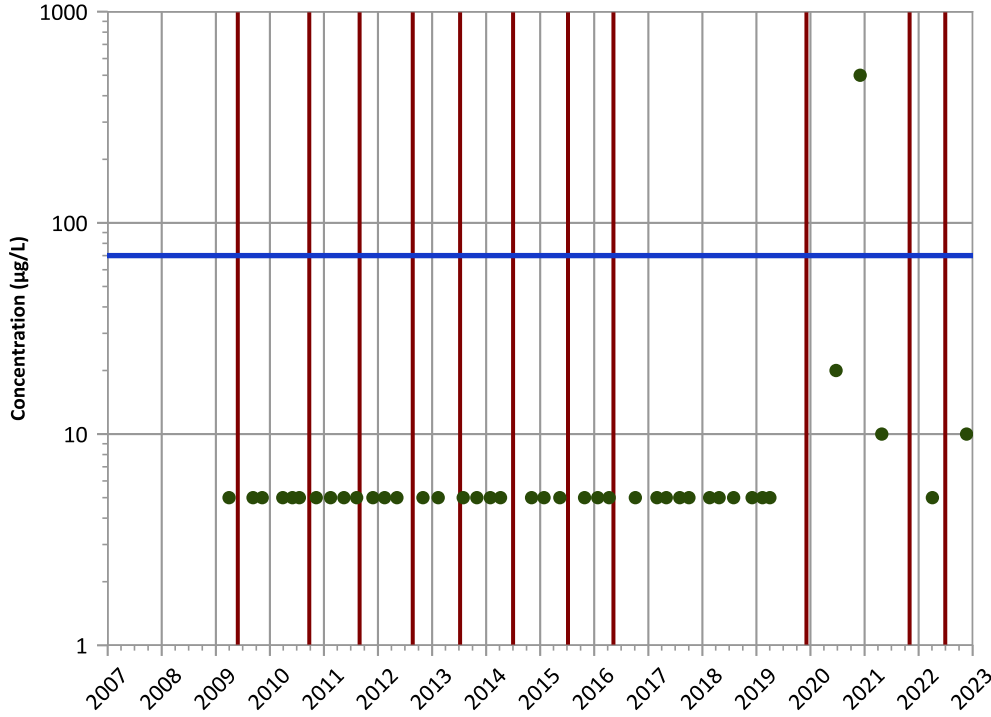
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

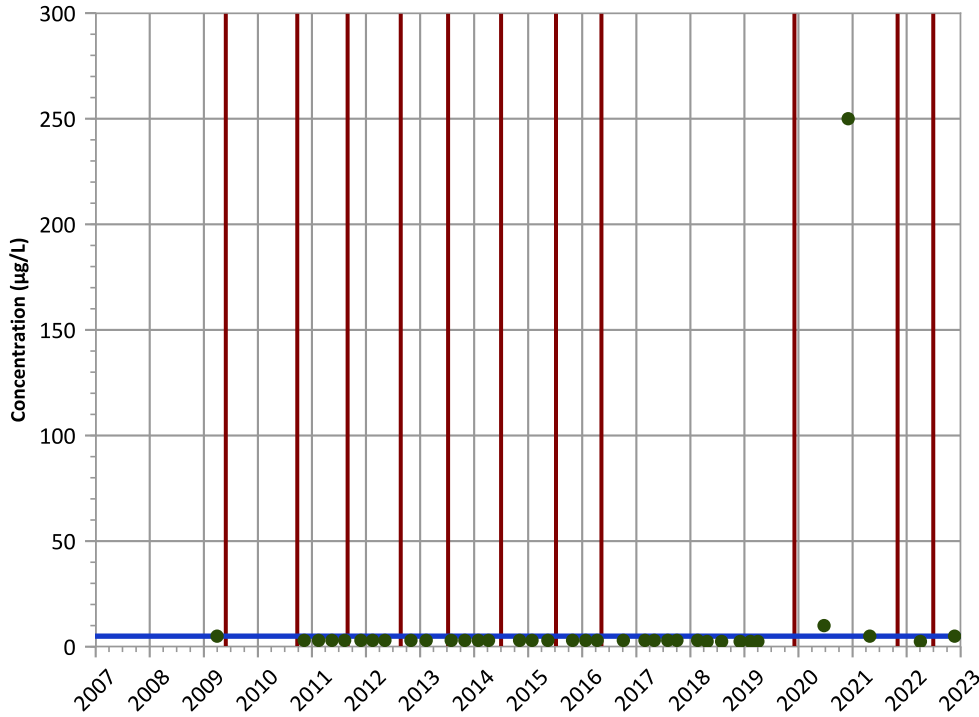
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

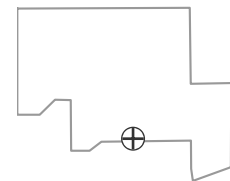
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

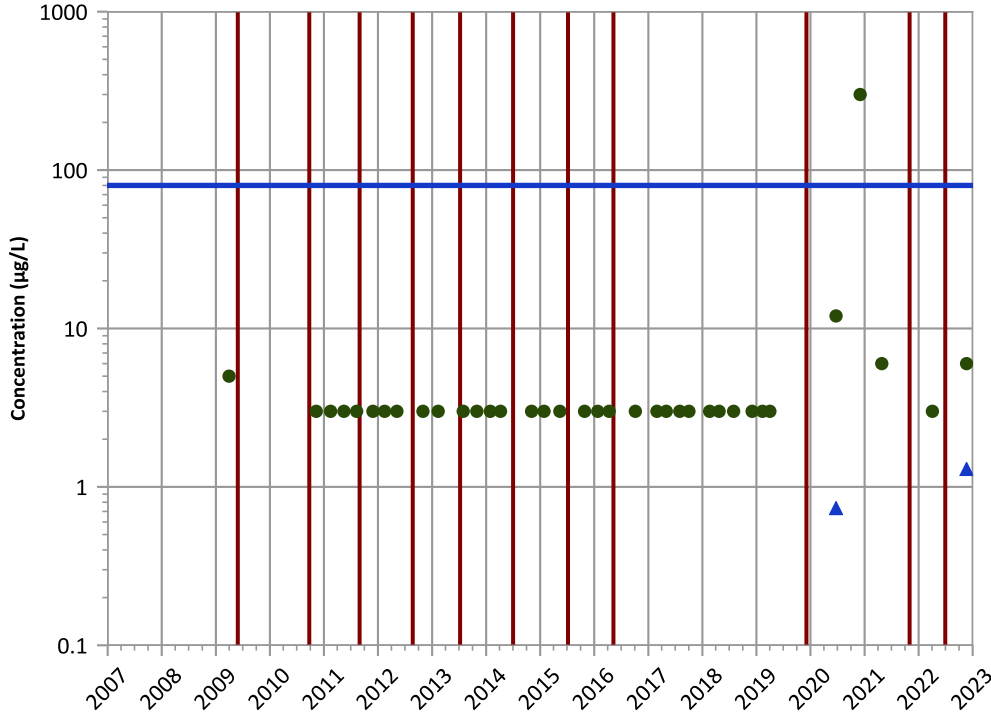


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

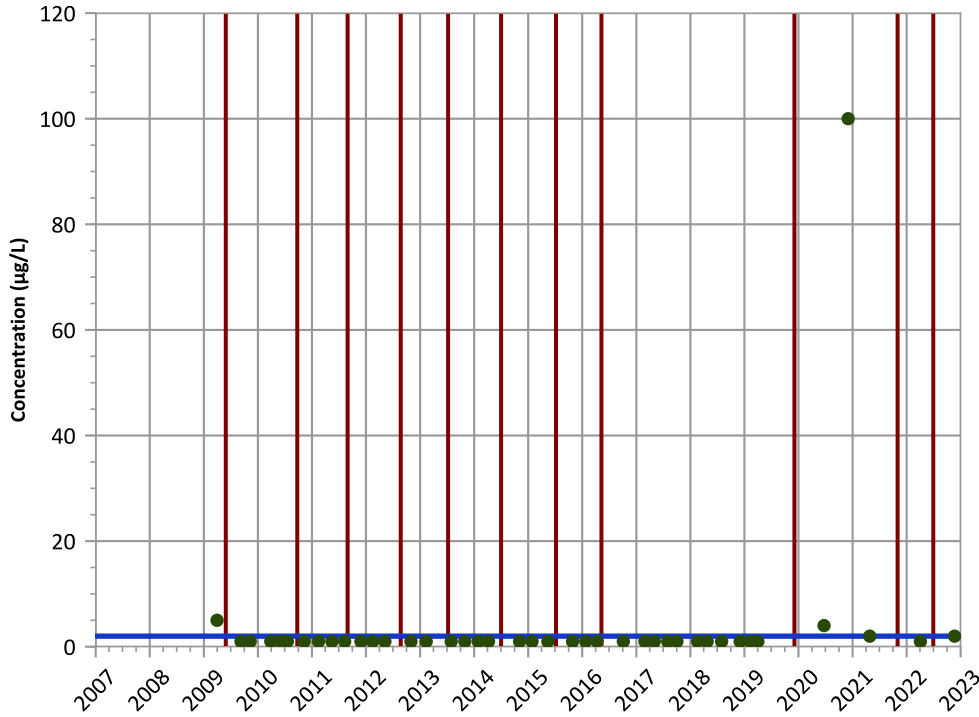


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Vinyl Chloride Trend



Concentration Trend

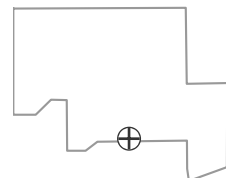
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

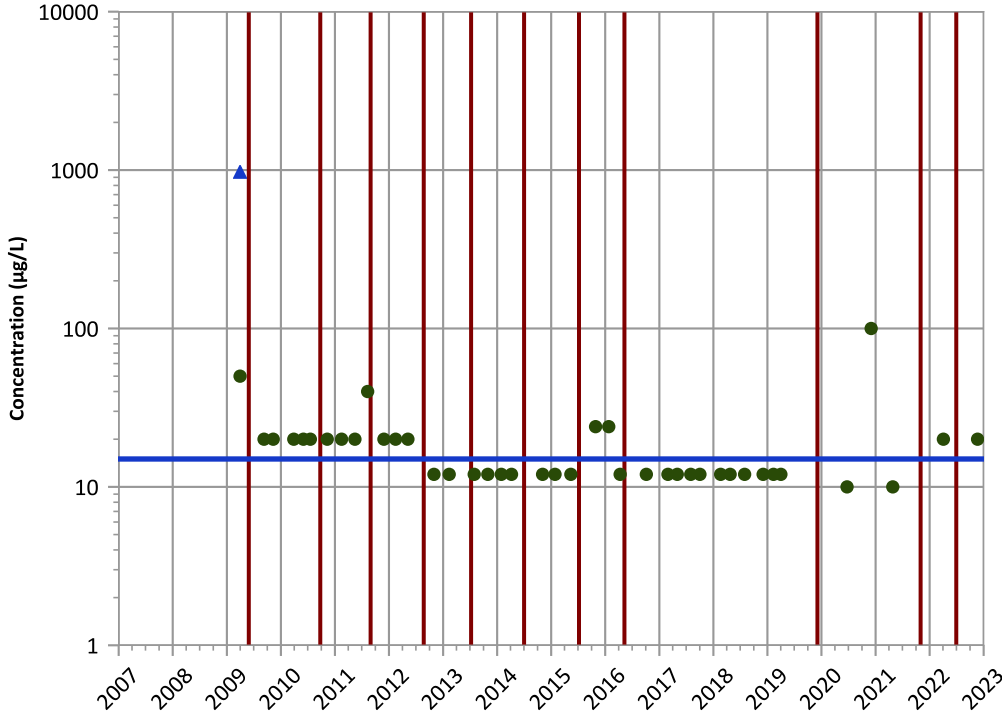
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

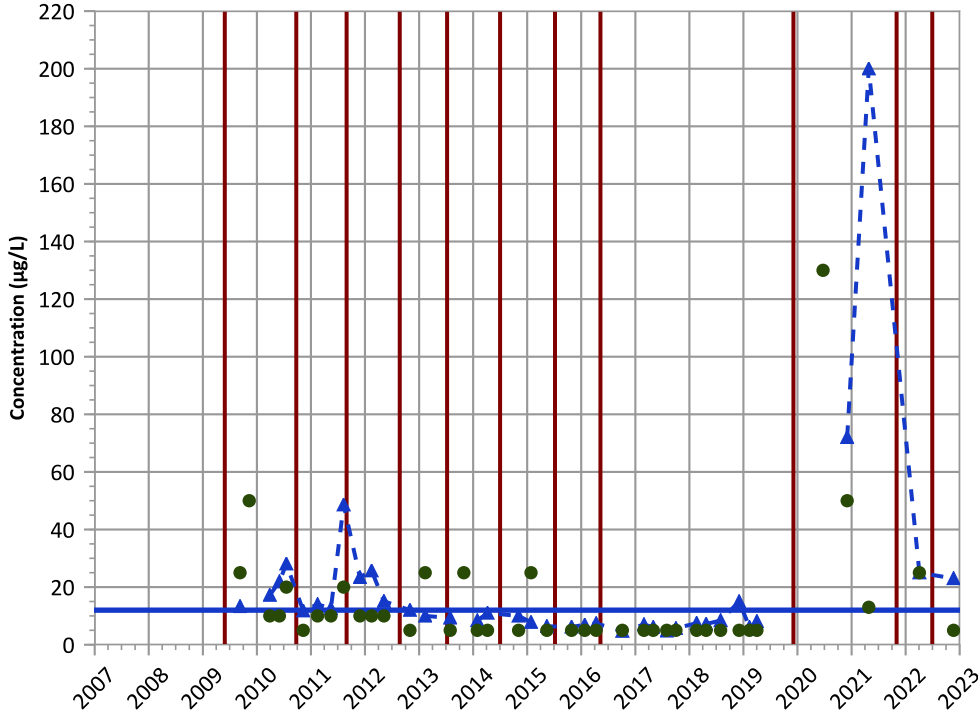
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

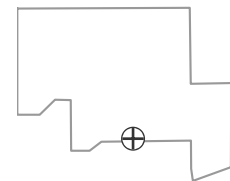
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

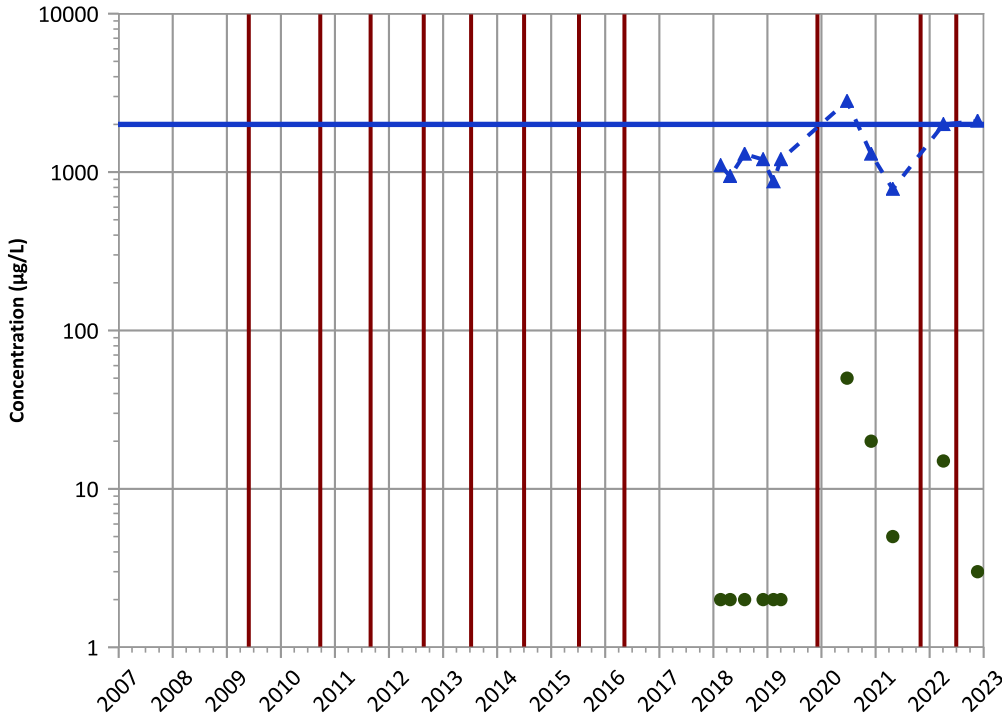


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

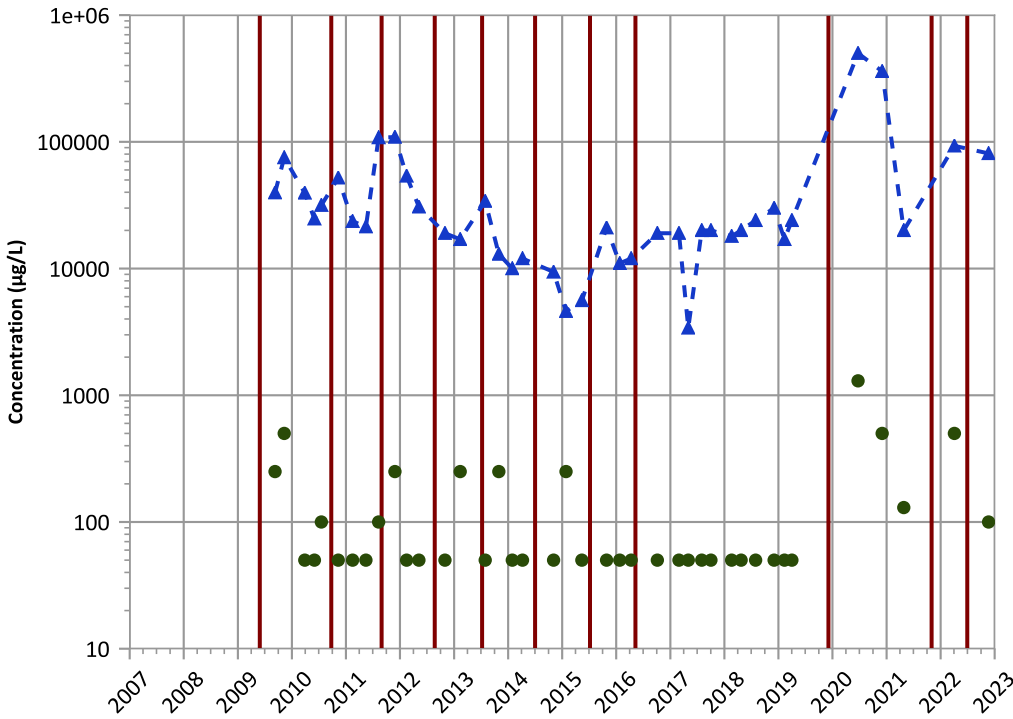


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Iron Trend

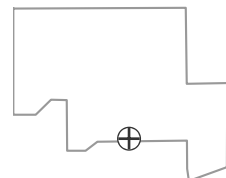


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

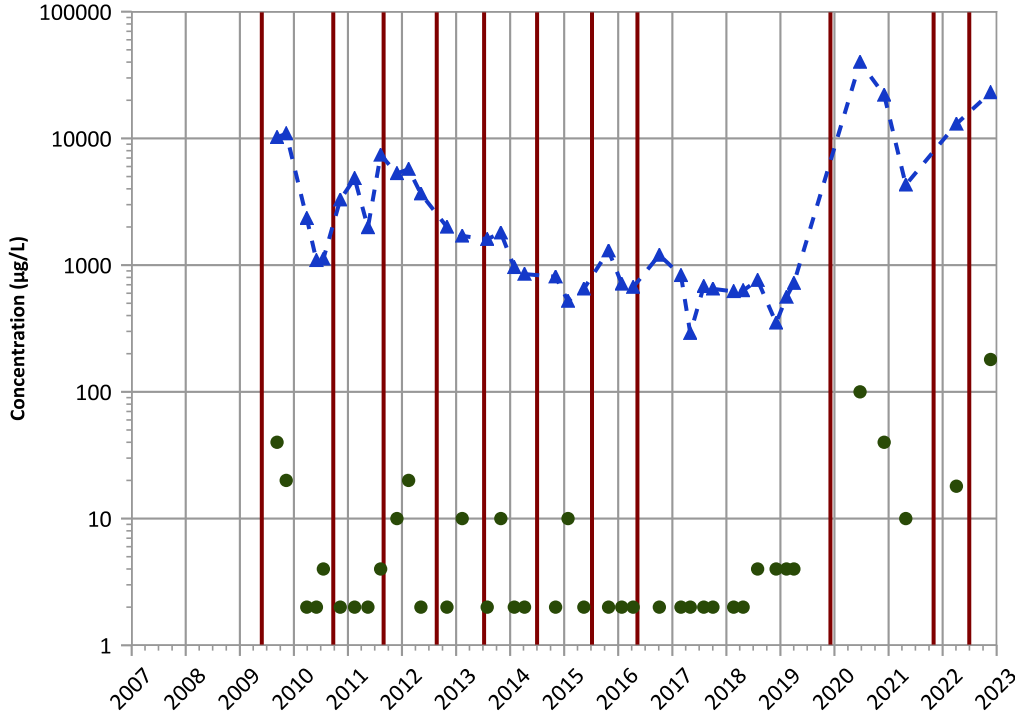


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

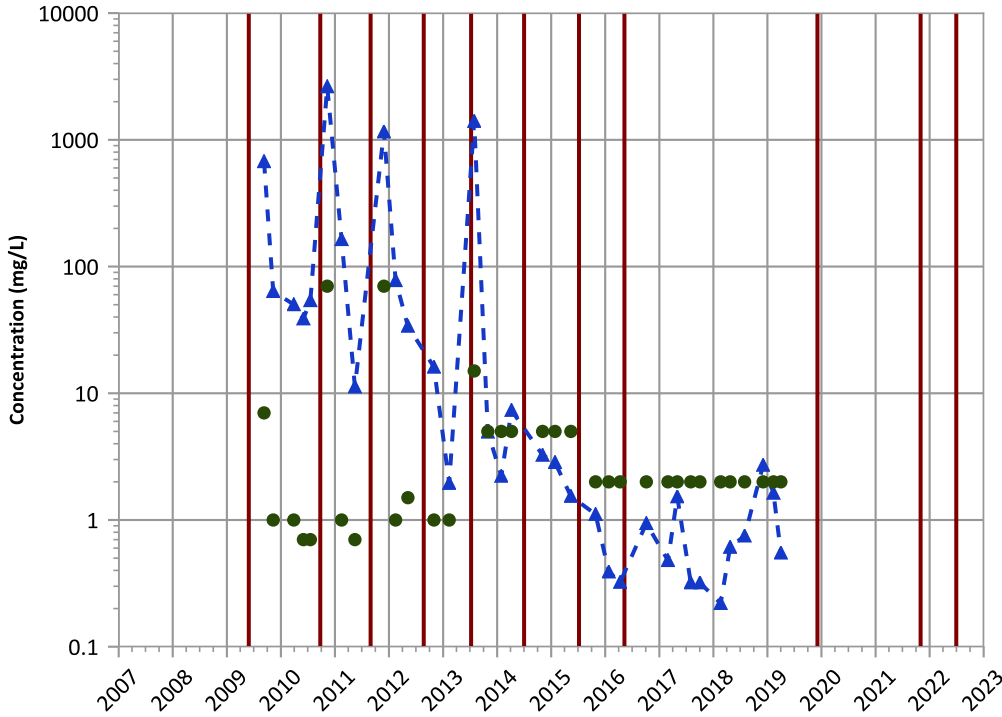
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

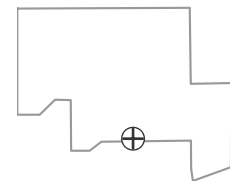
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Well Location

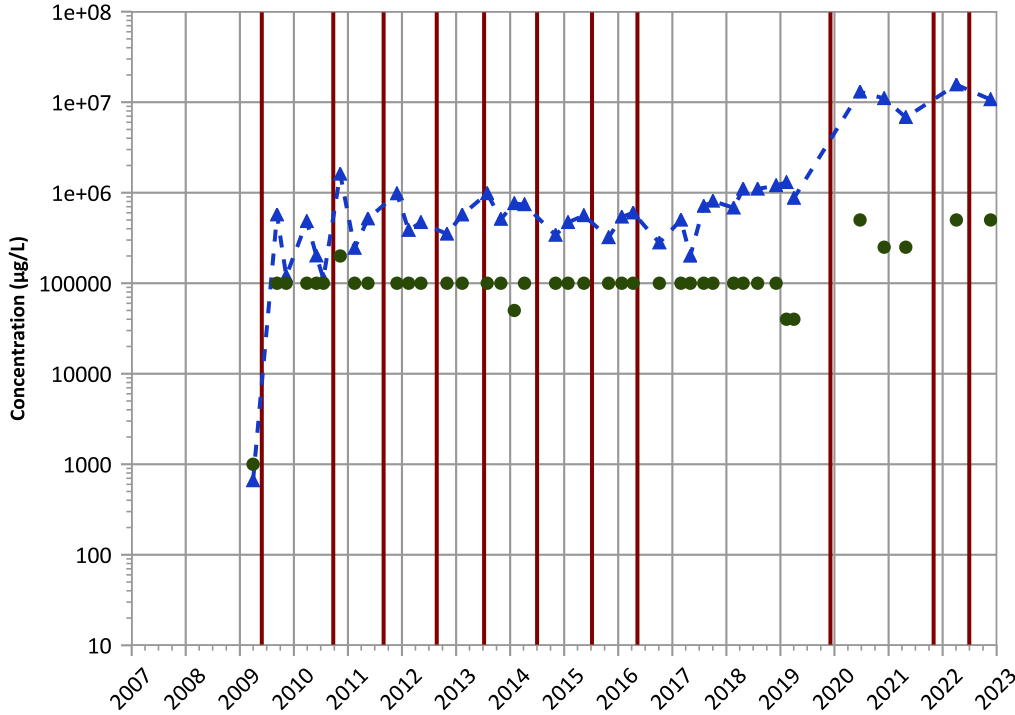


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

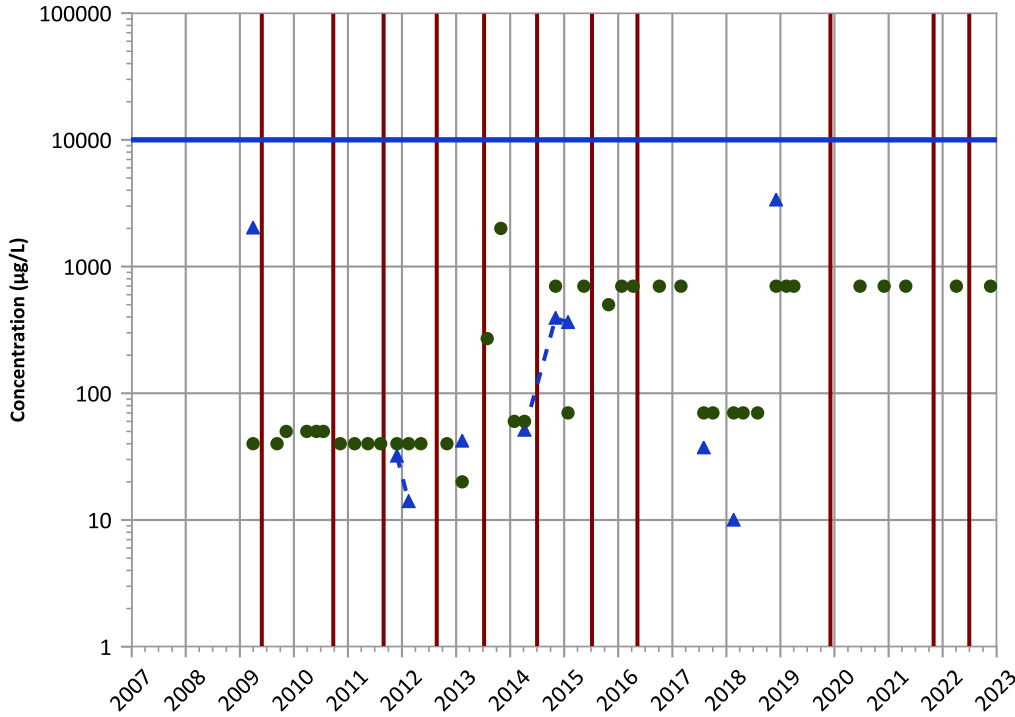


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Nitrate as N Trend

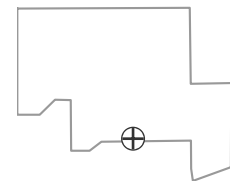


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

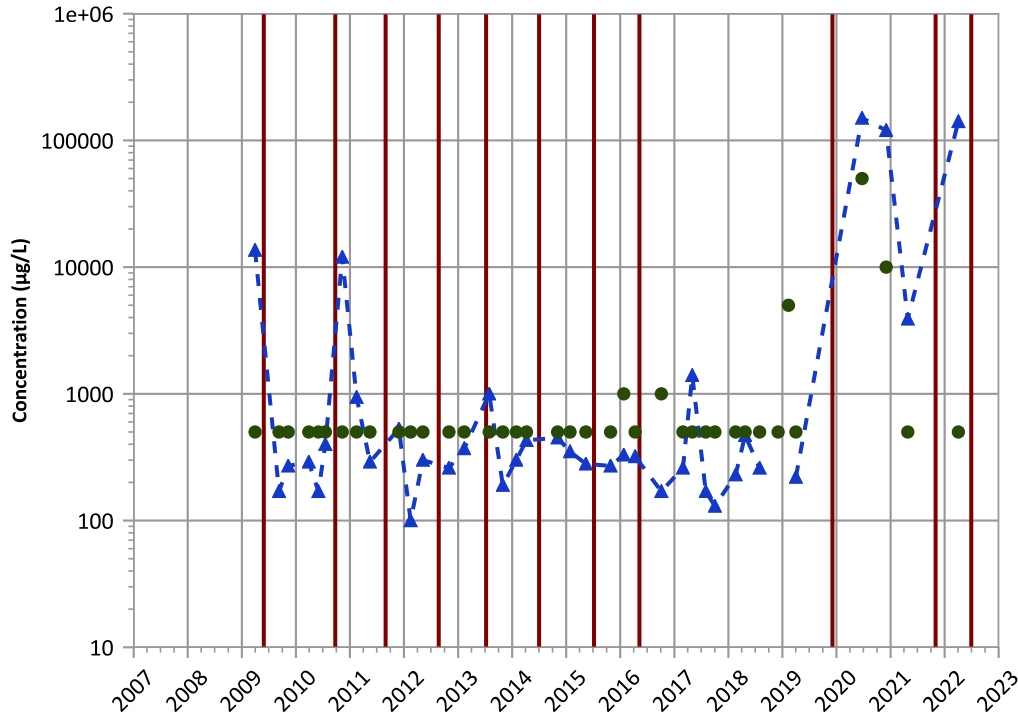


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB059 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sulfate (as SO4) Trend



Concentration Trend

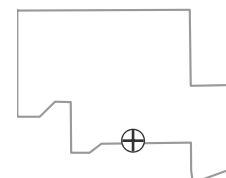
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

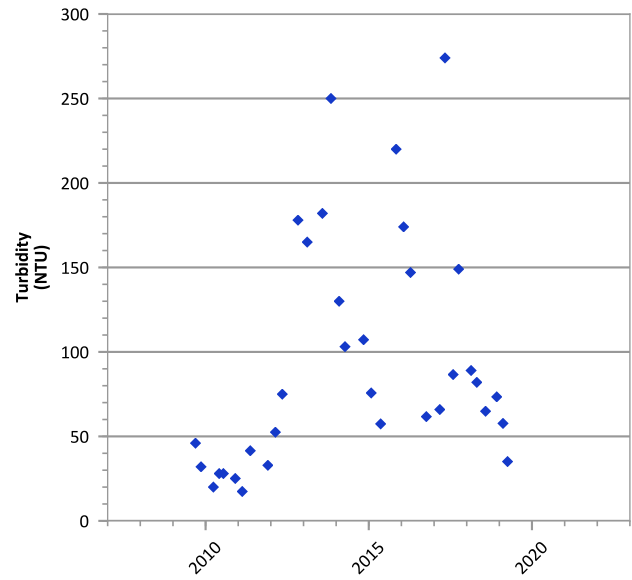
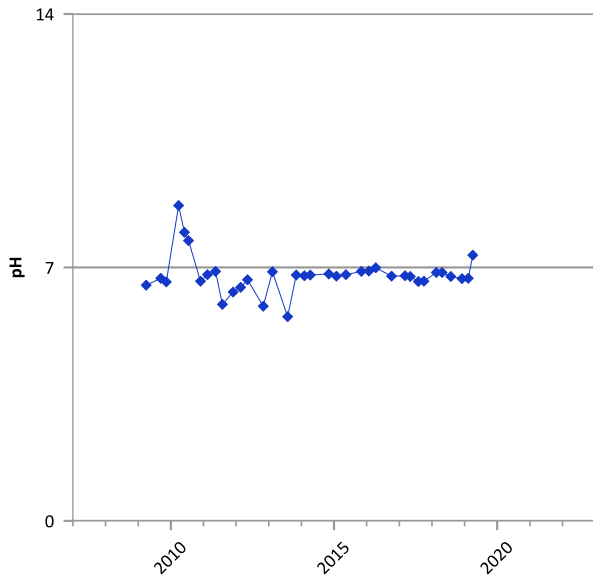
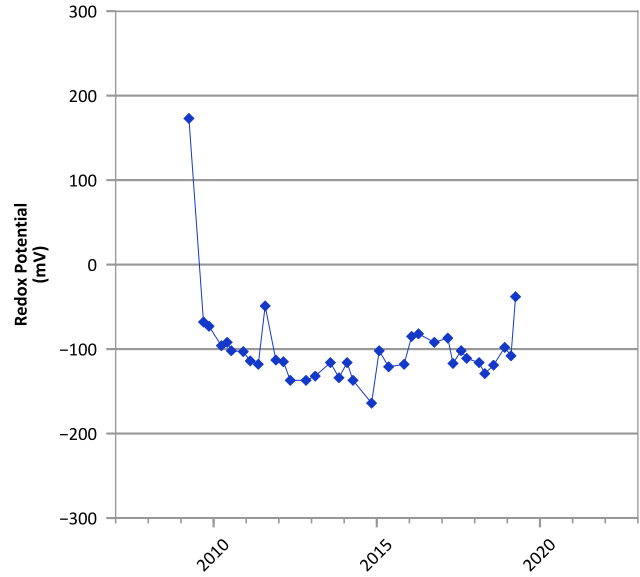
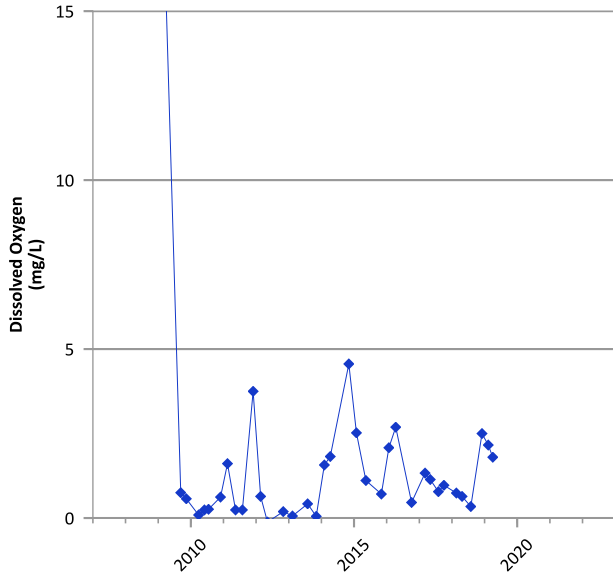
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 03/31/2009 to 11/21/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

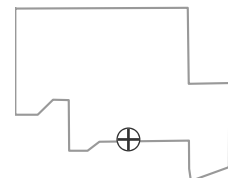


**PTX06-ISB063 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 09/10/2009 to 04/03/2019  
 Analysis Date: 04/24/2023

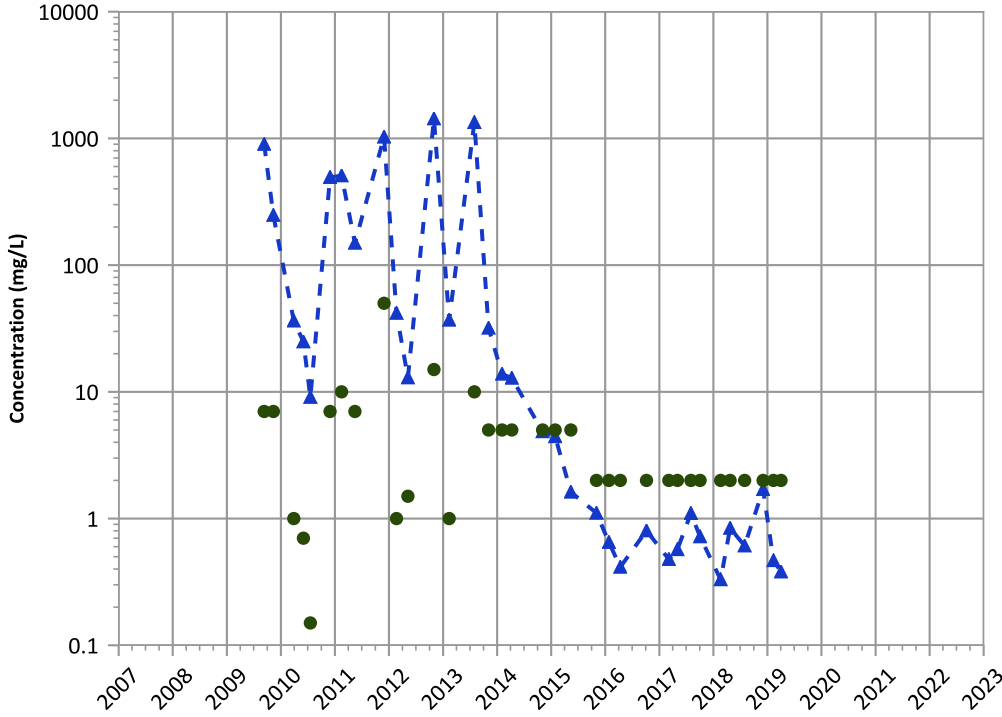
**Well Location**





PTX06-ISB063 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend

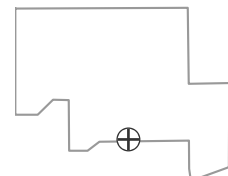


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

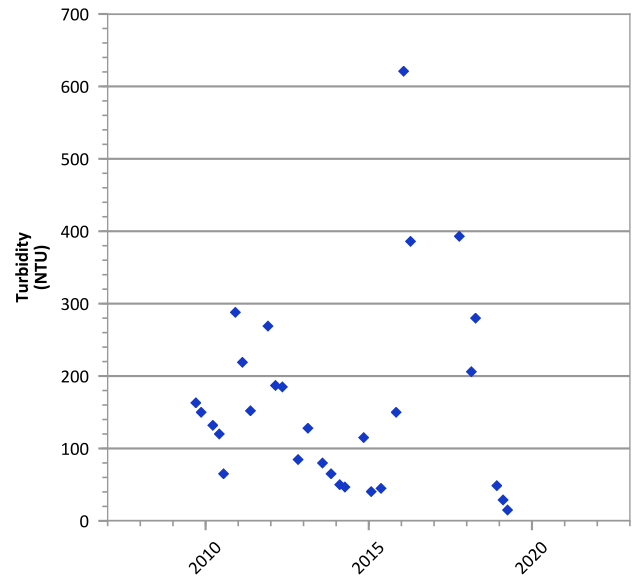
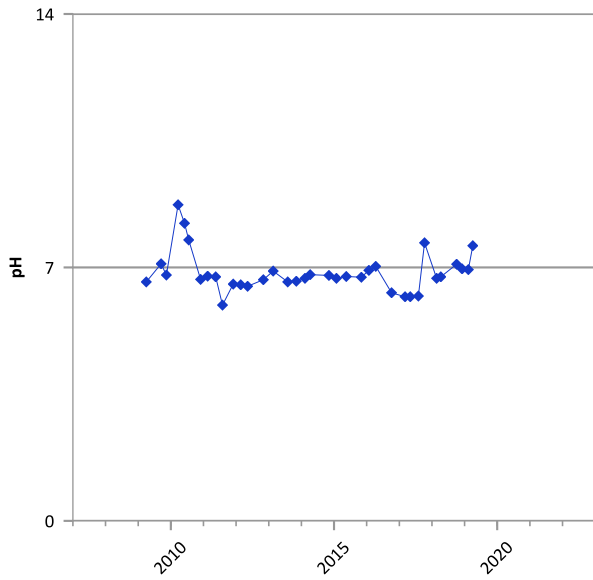
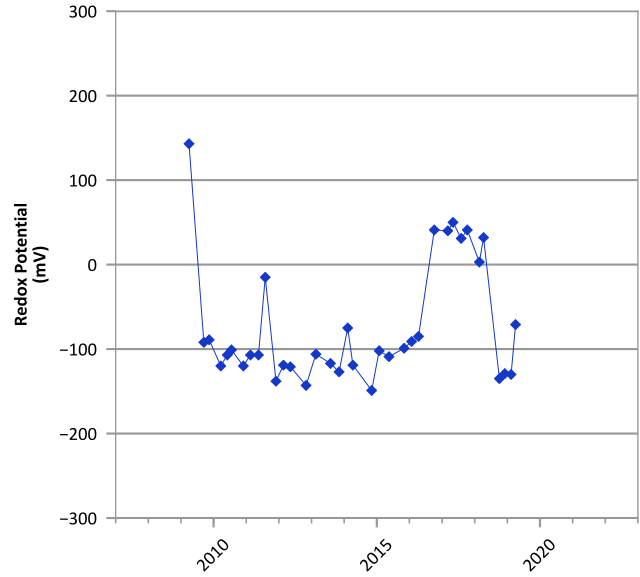
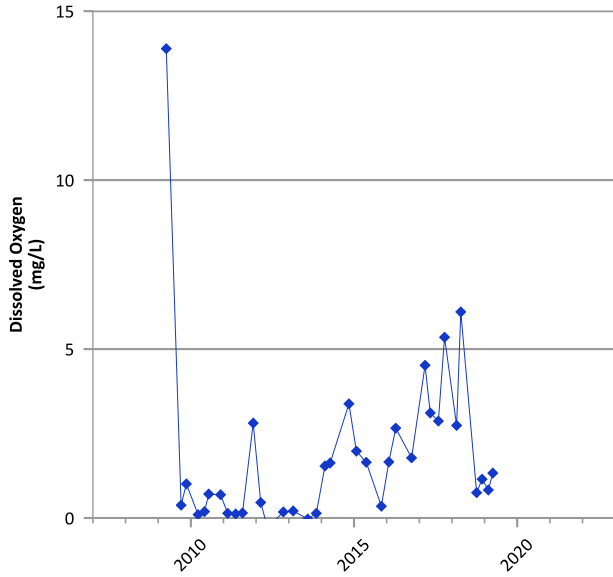
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 09/10/2009 to 04/03/2019  
Analysis Date: 04/24/2023

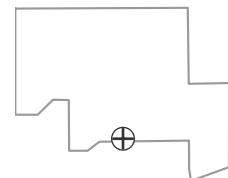
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-ISB069A in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



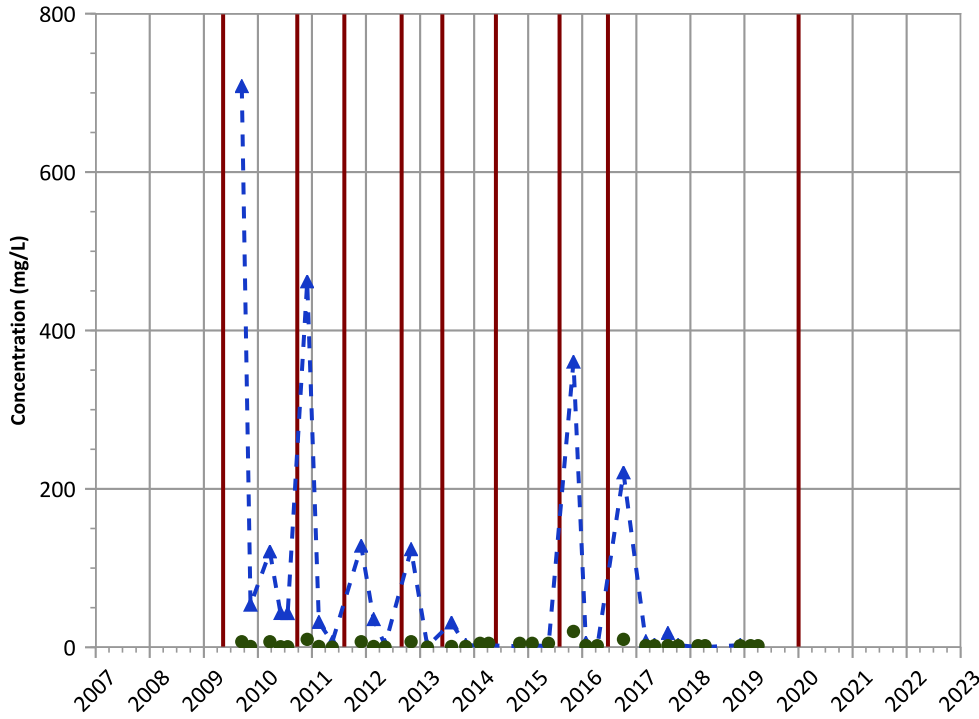
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 09/14/2009 to 04/03/2019  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB069A in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

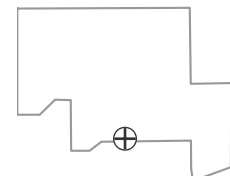
2020 - 2022 Data:

No Trend

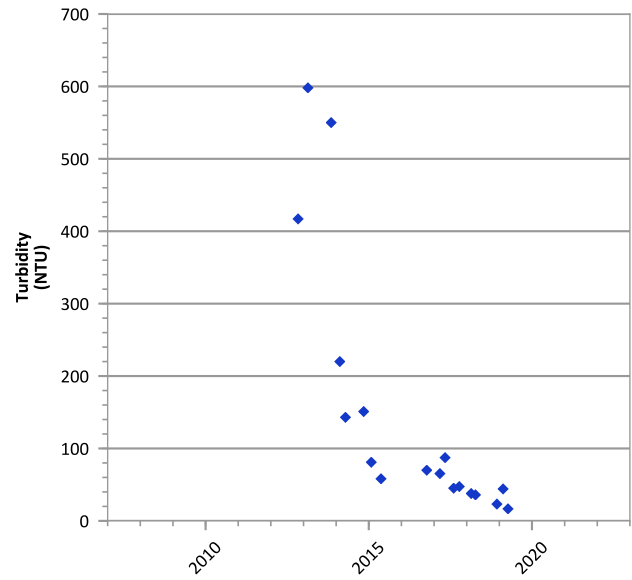
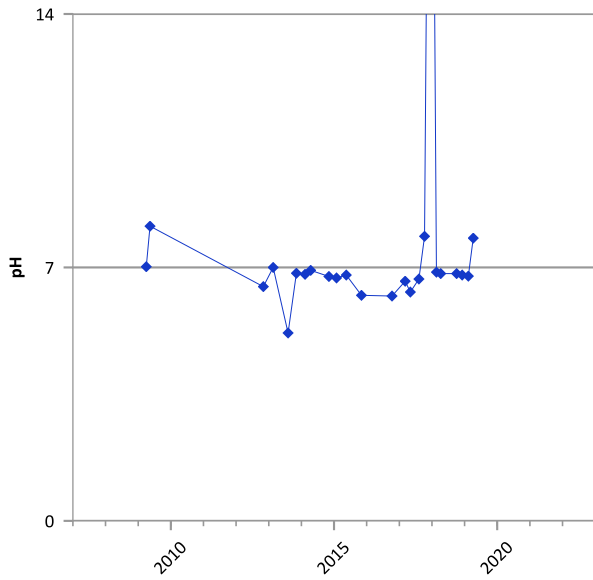
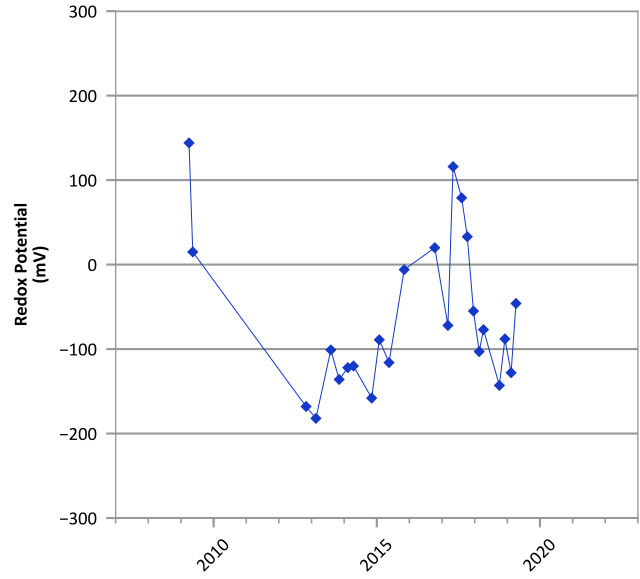
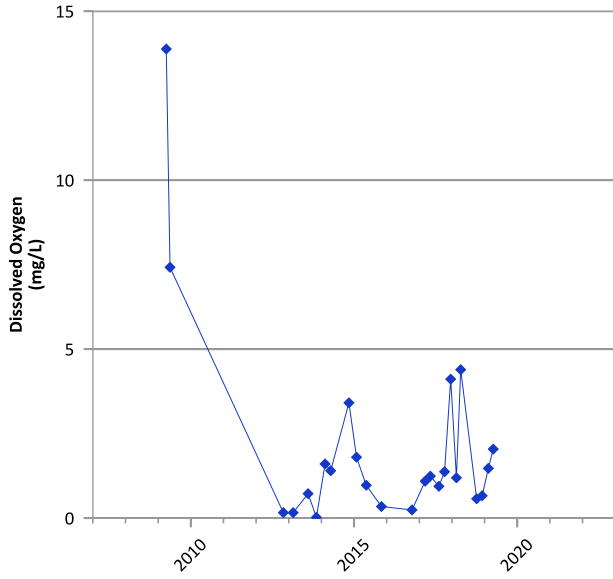
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 09/14/2009 to 04/03/2019  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

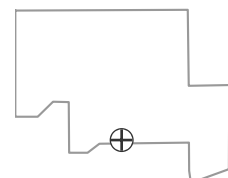


**PTX06-ISB071 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



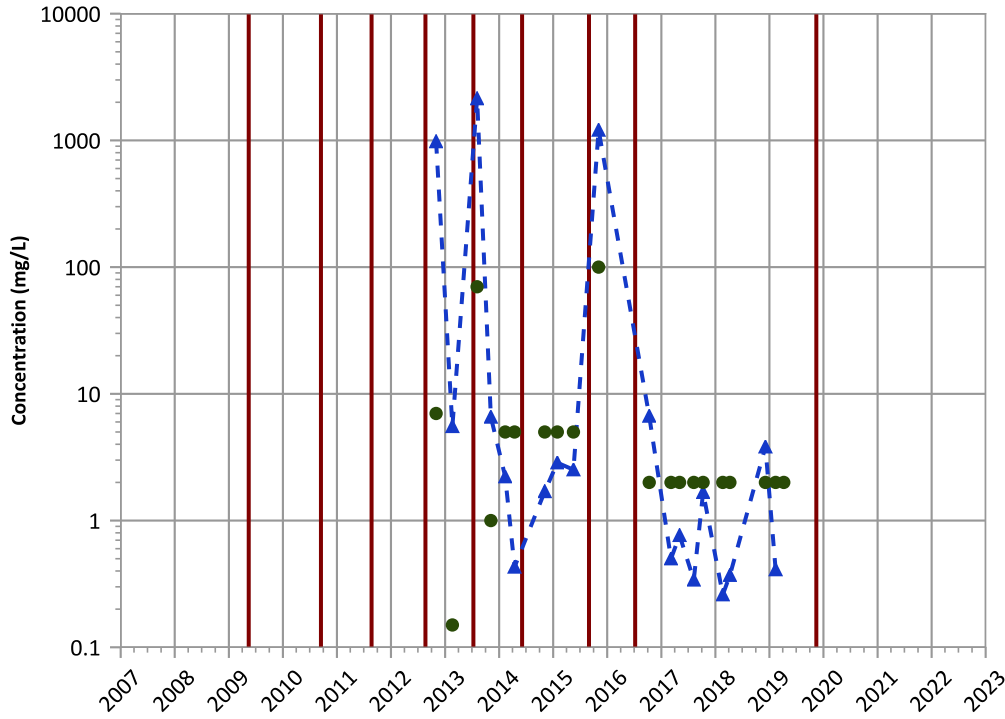
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 11/01/2012 to 04/08/2019  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB071 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

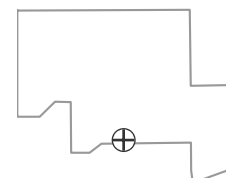
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

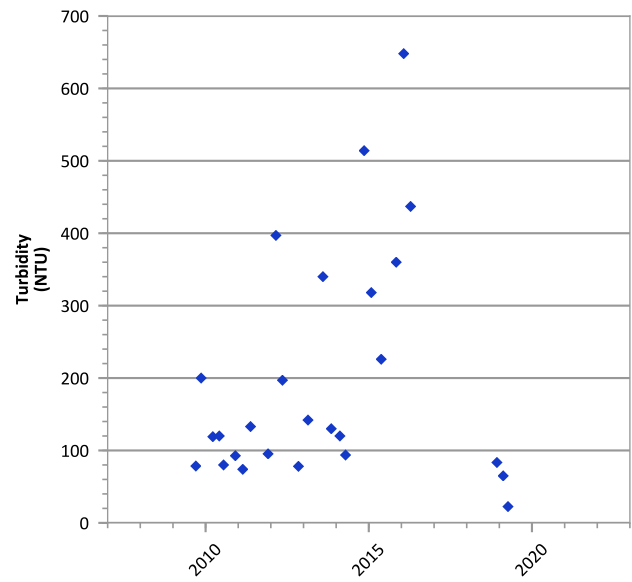
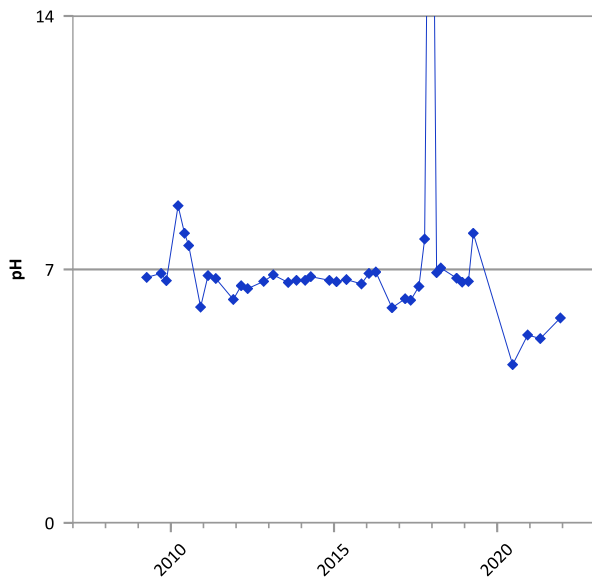
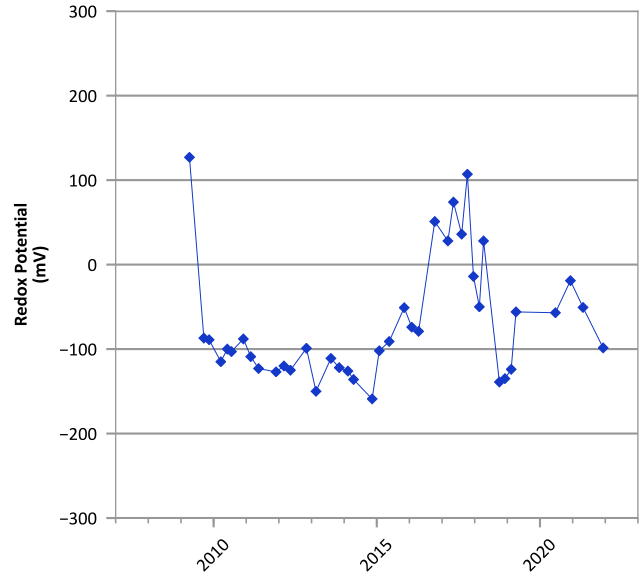
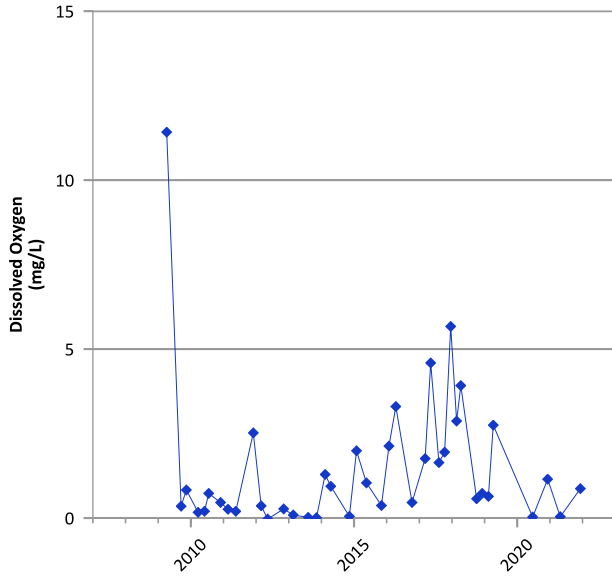
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/01/2012 to 04/08/2019  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

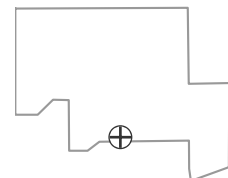


**PTX06-ISB073 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



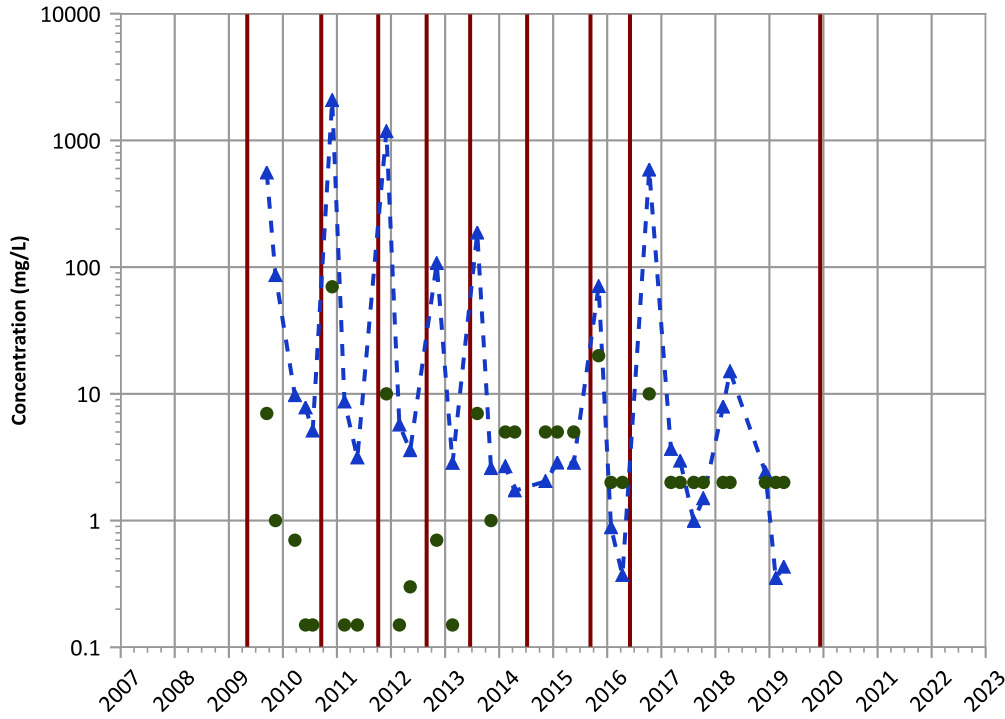
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 09/14/2009 to 04/08/2019  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB073 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

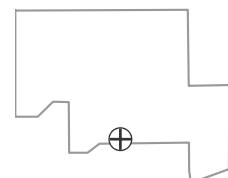
2020 - 2022 Data:

Decreasing

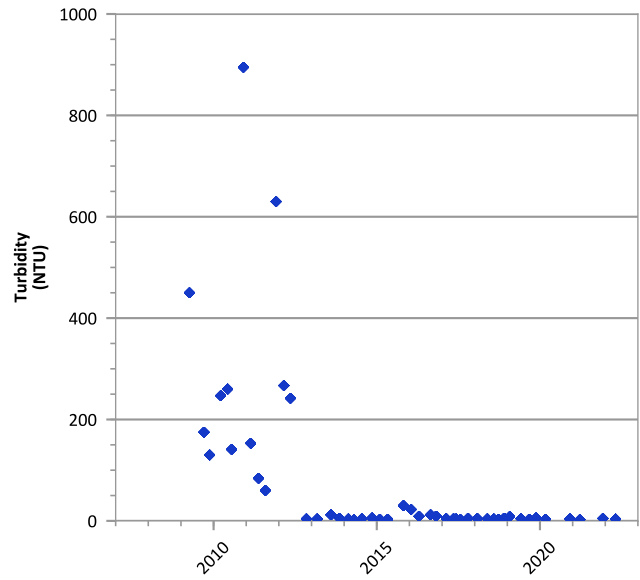
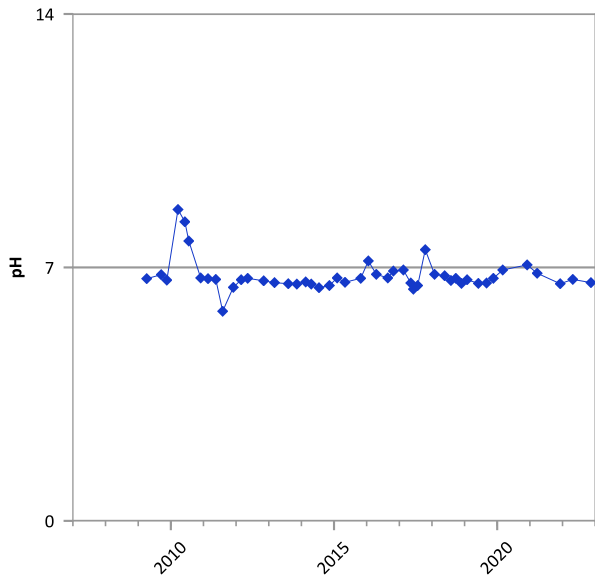
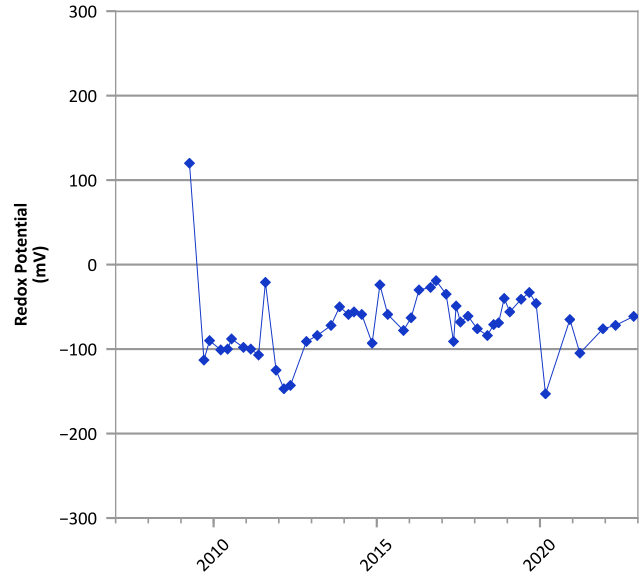
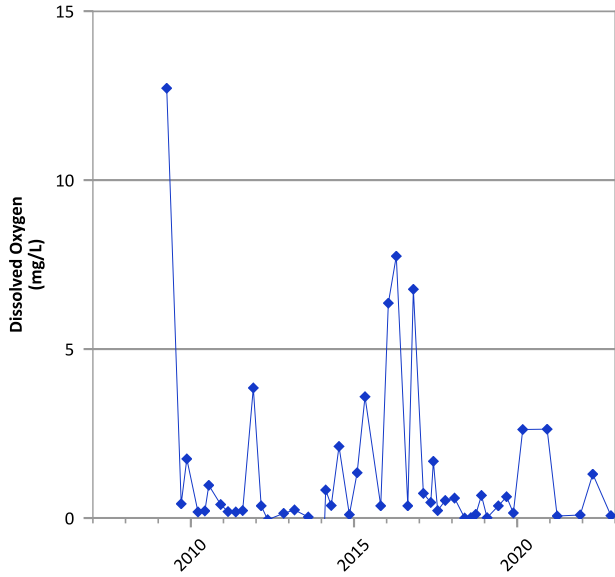
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 09/14/2009 to 04/08/2019  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

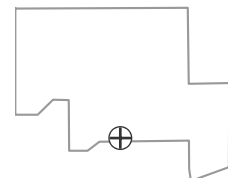


**PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 04/06/2009 to 11/15/2022  
 Analysis Date: 04/24/2023

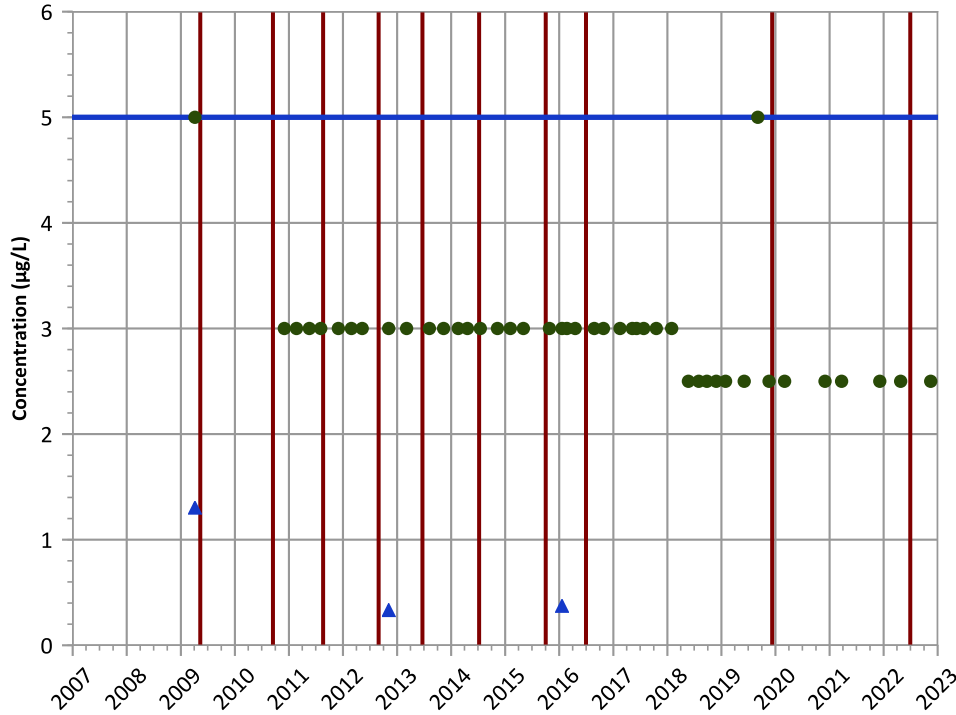
**Well Location**





PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend

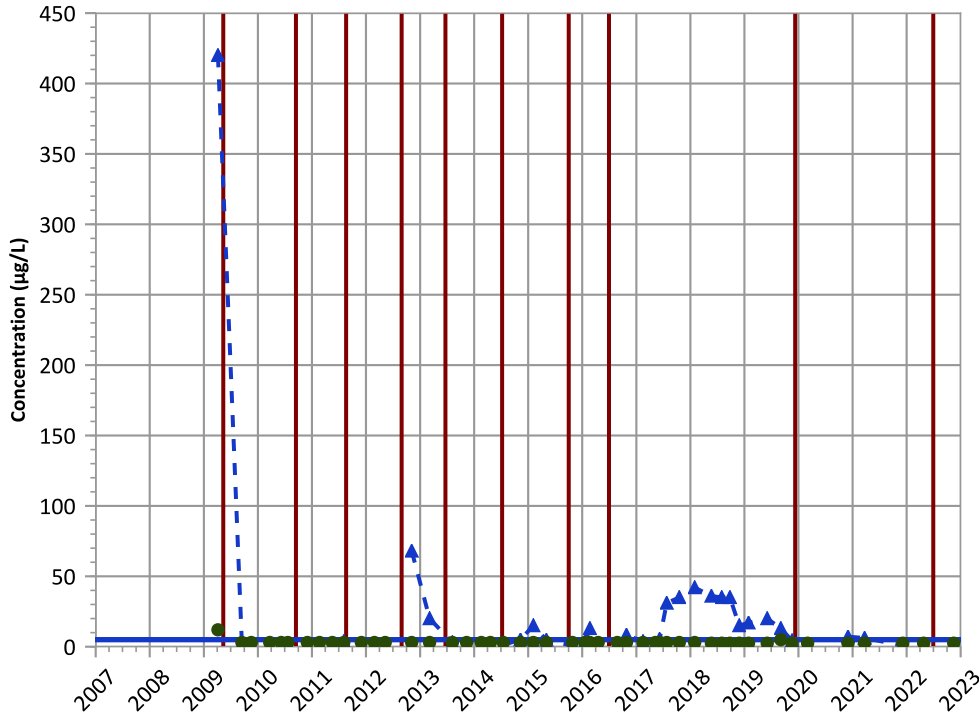


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Trichloroethene Trend

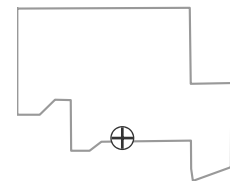


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Well Location

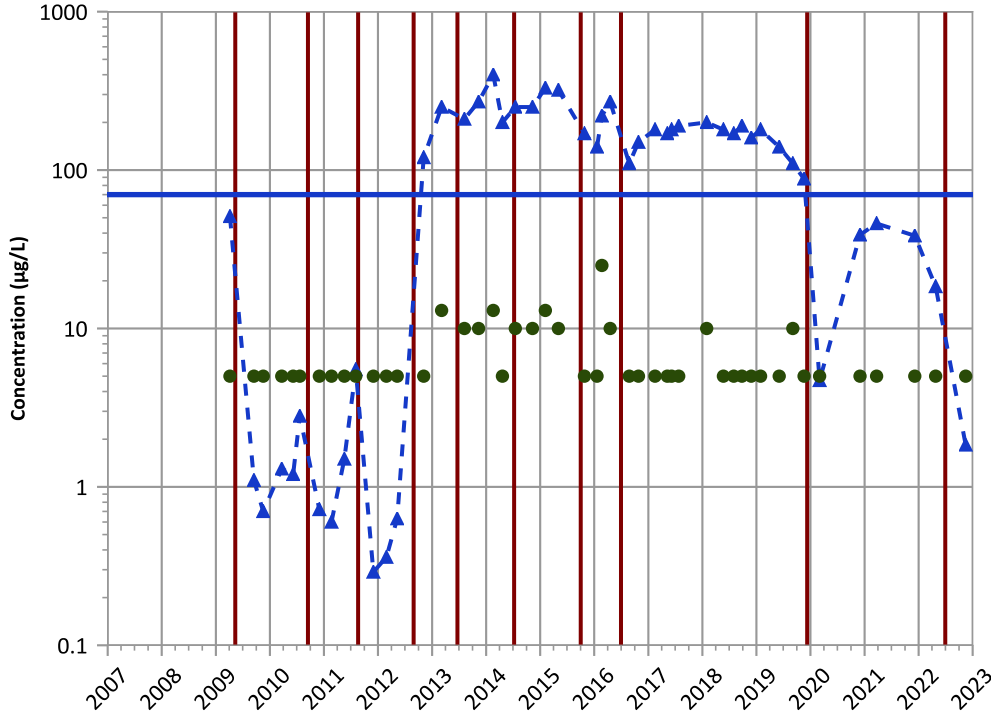


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend

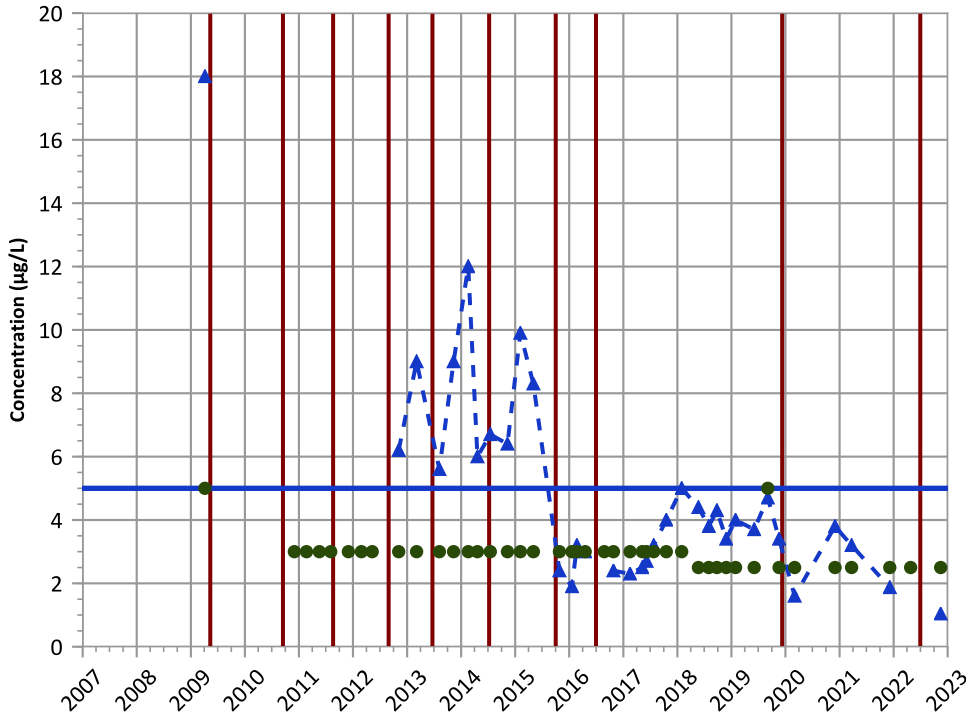


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

1,2-Dichloroethane Trend

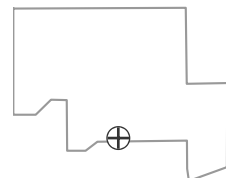


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Well Location

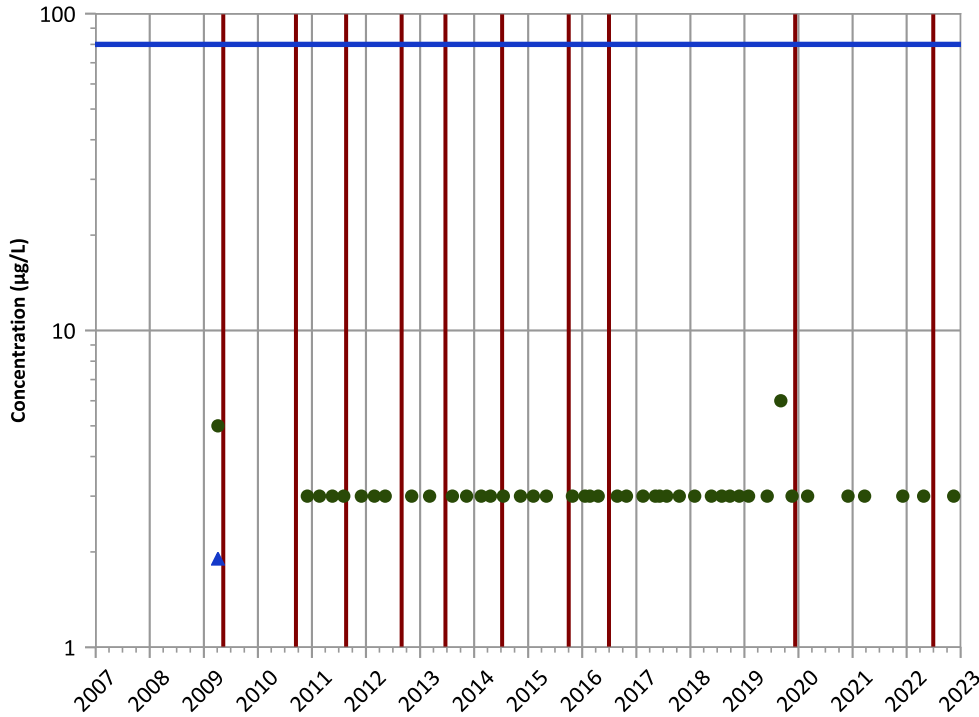


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

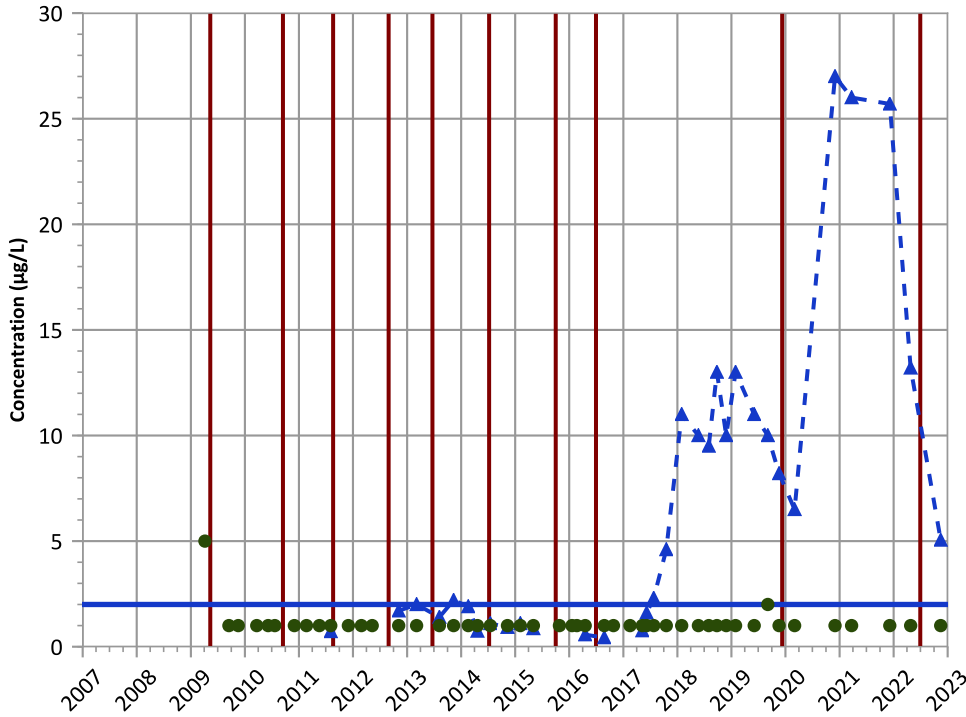
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Vinyl Chloride Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

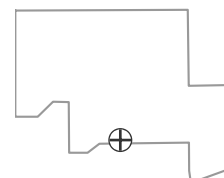
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

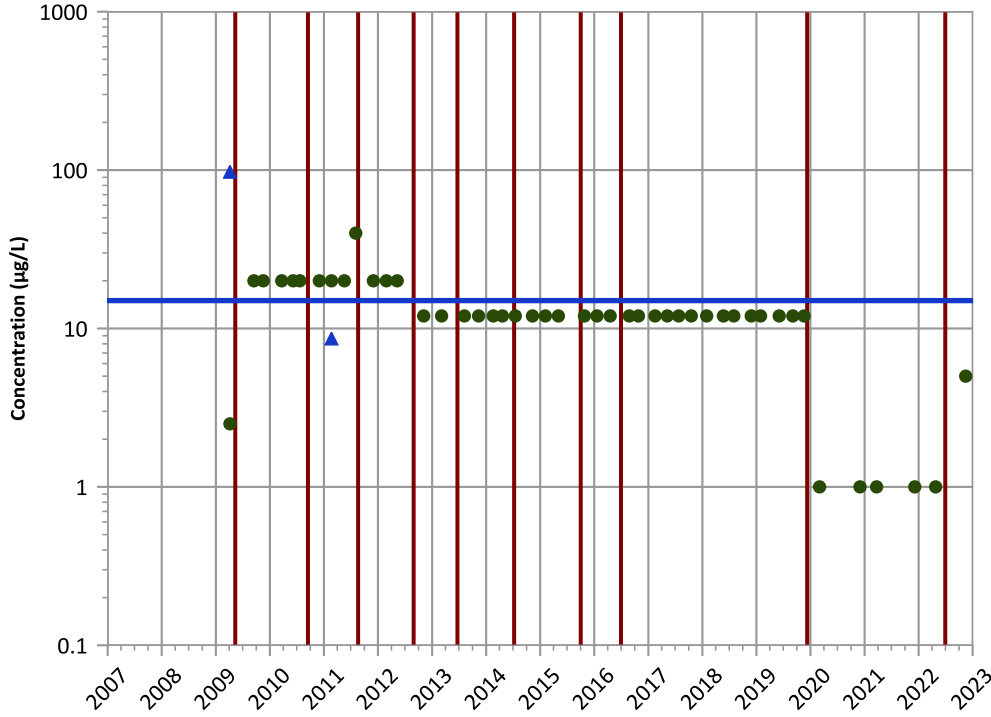
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

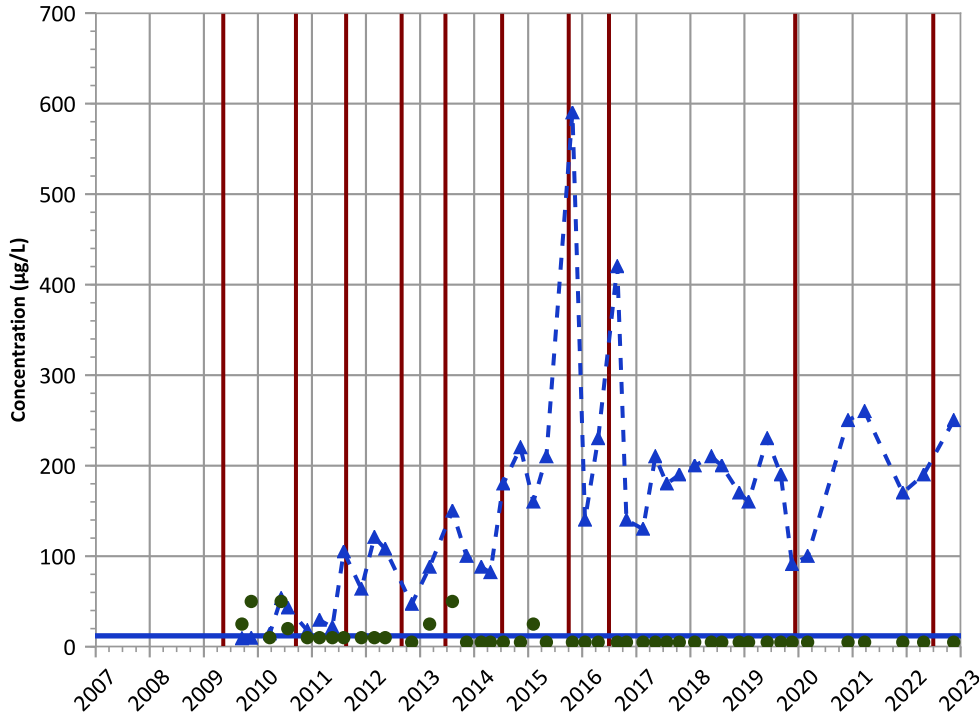


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Arsenic Trend



Concentration Trend

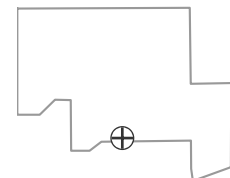
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

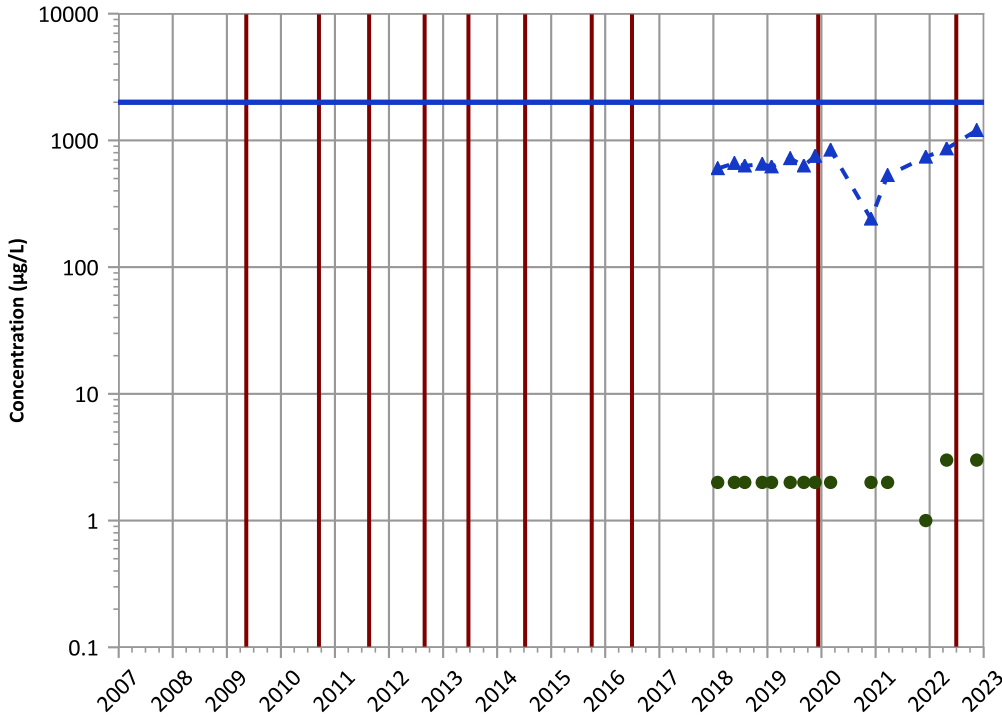
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

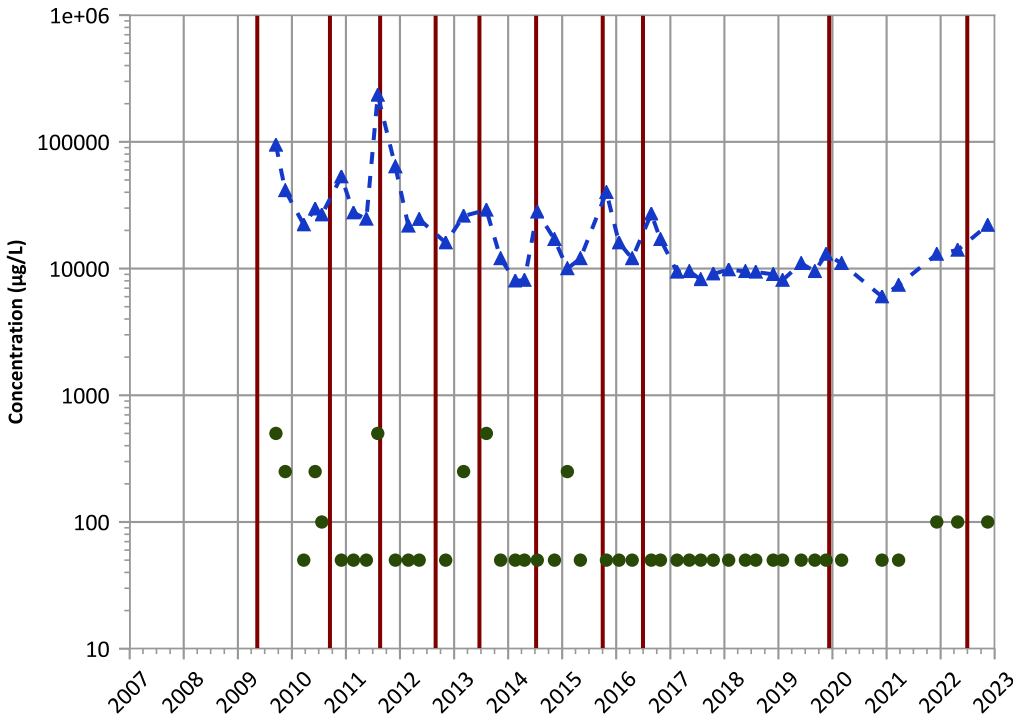
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

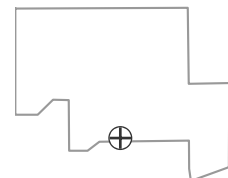
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

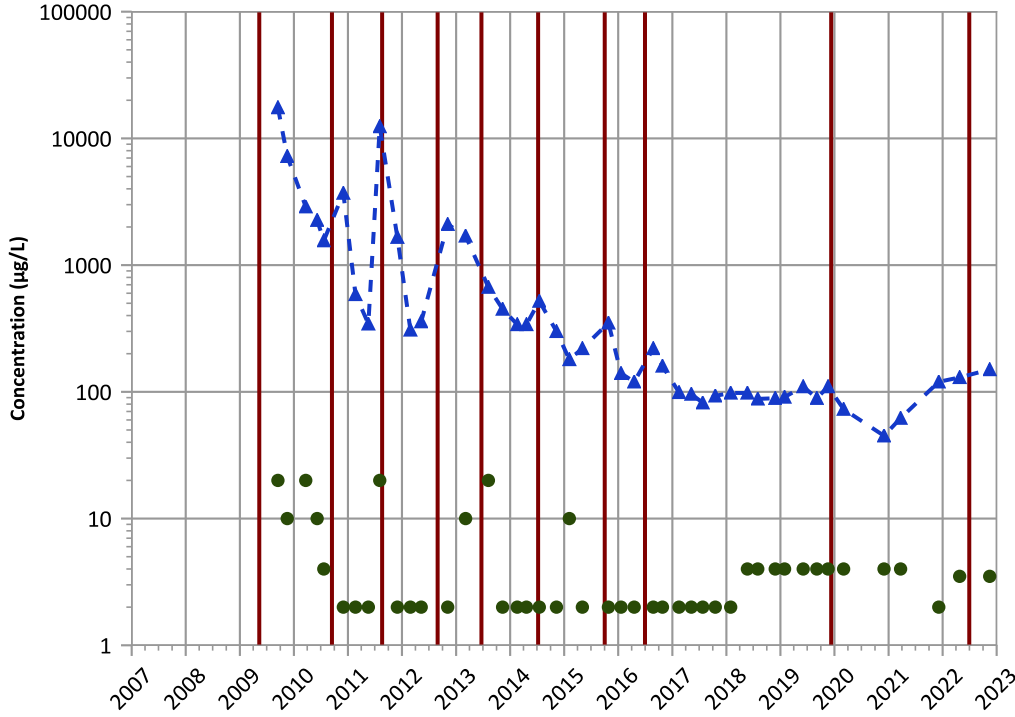
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

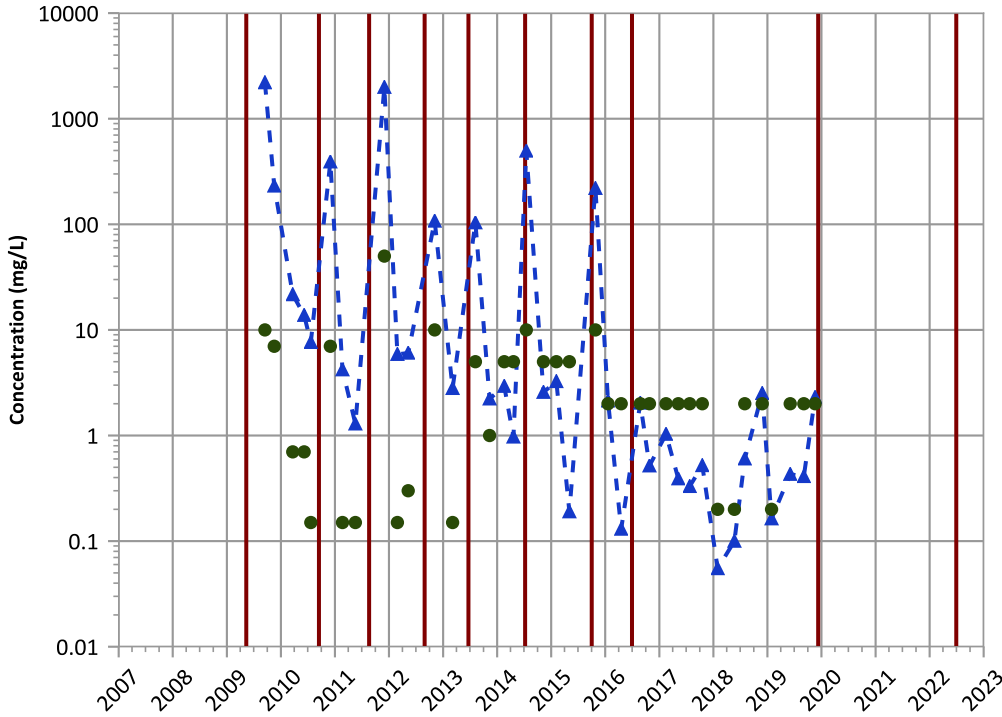
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Increasing

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

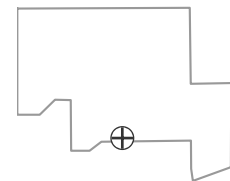
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Increasing

Well Location

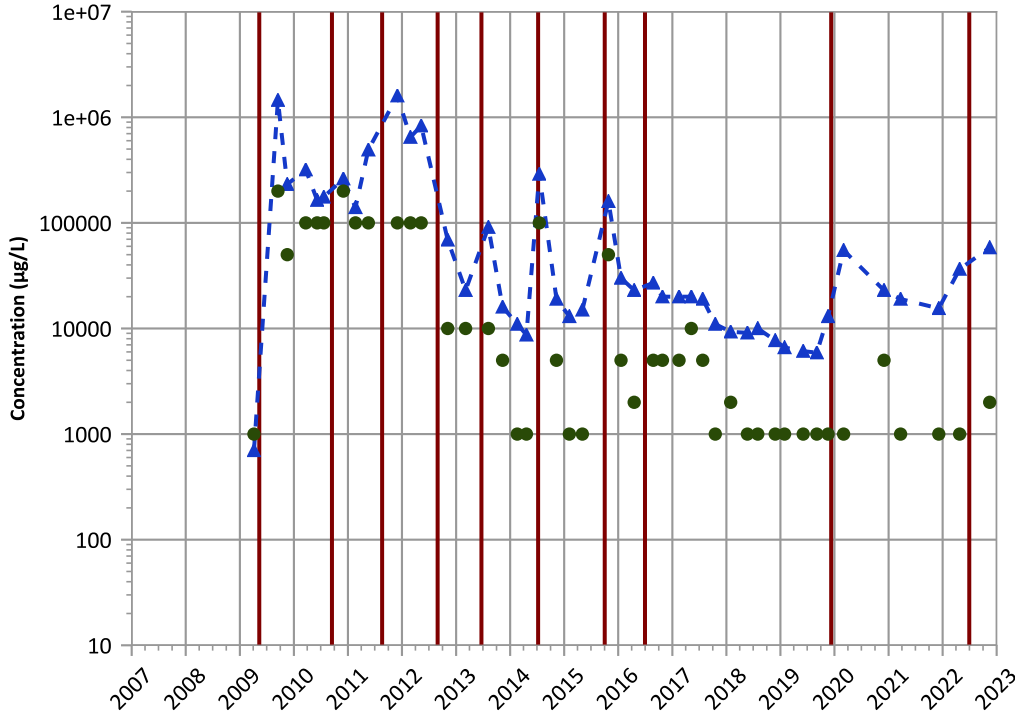


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

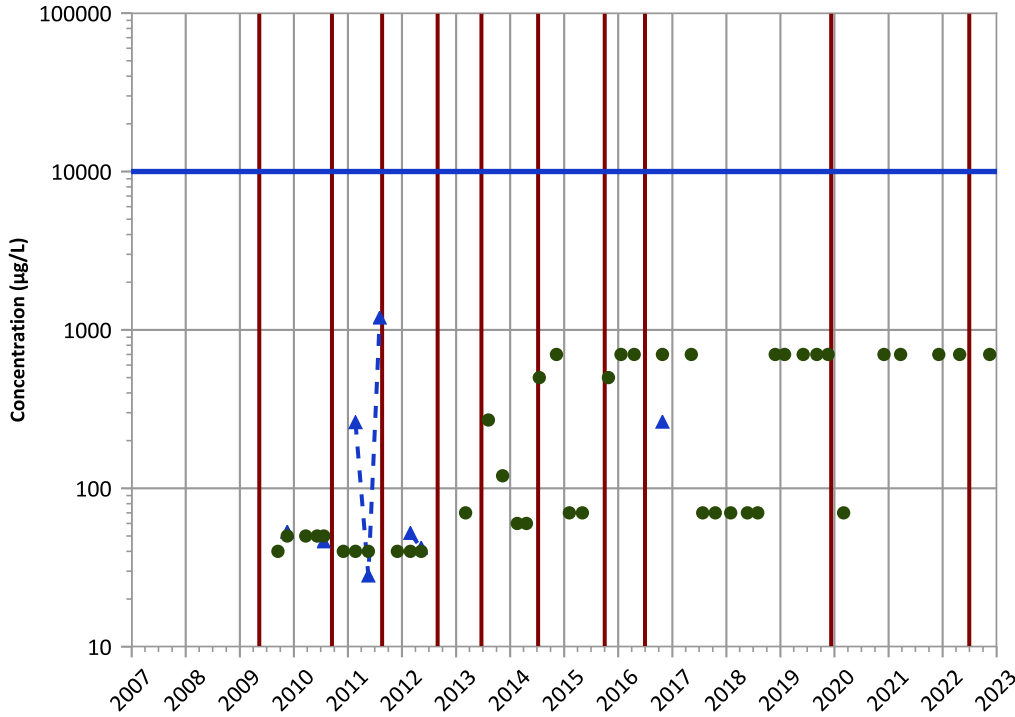


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

Nitrate as N Trend

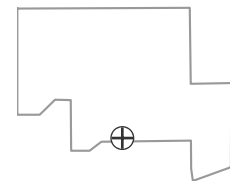


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

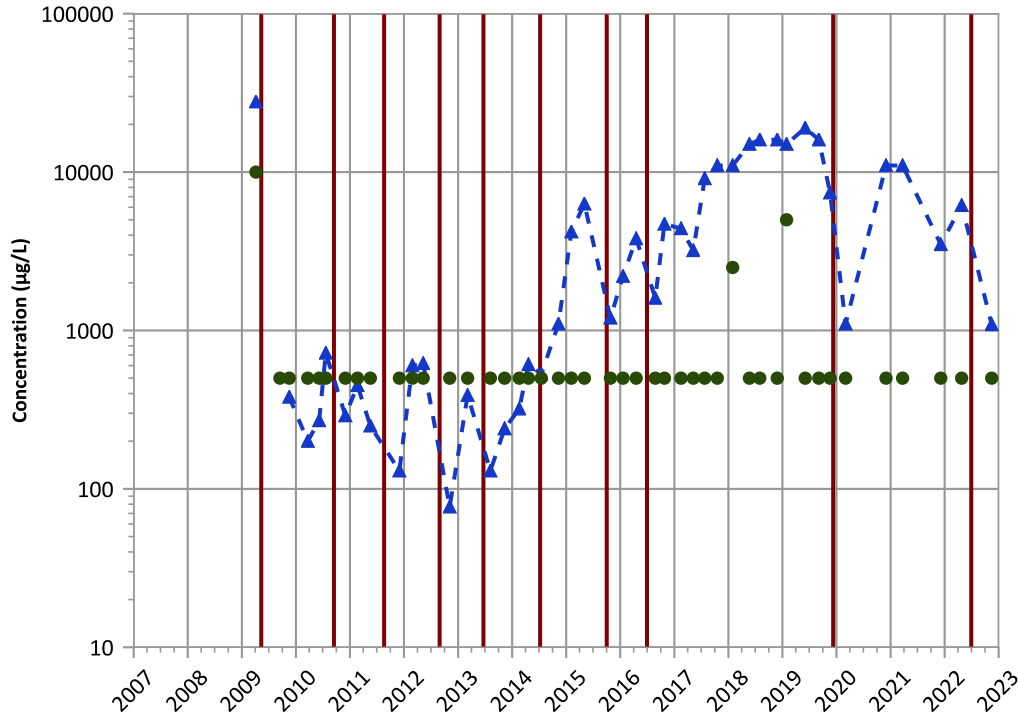


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB075 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

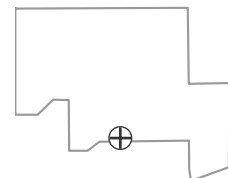
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 04/06/2009 to 11/15/2022  
Analysis Date: 04/24/2023

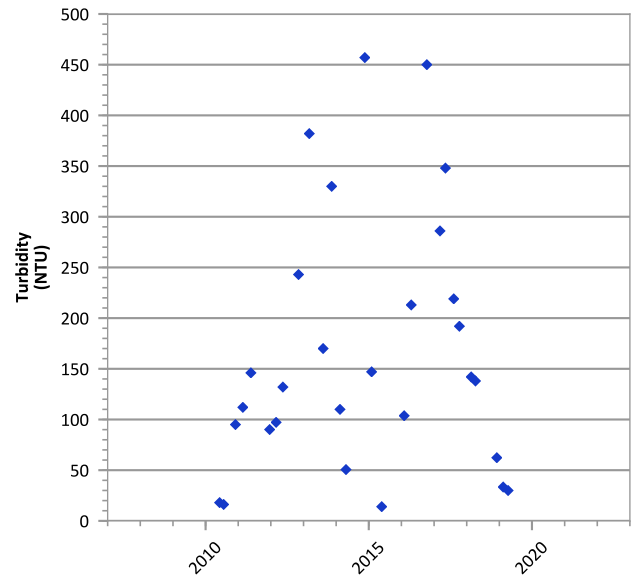
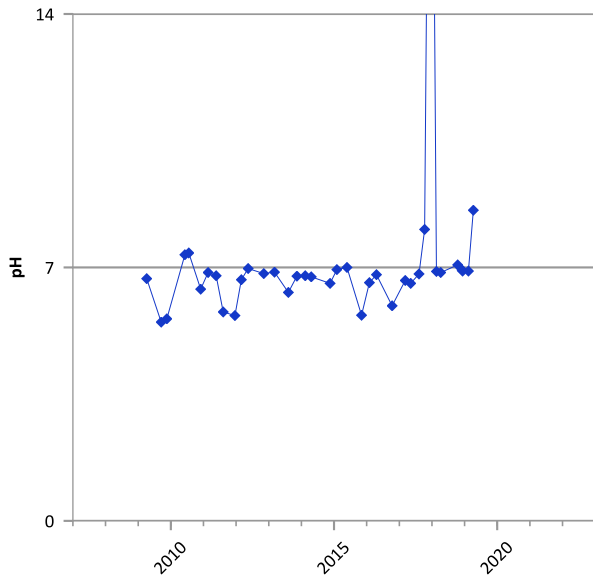
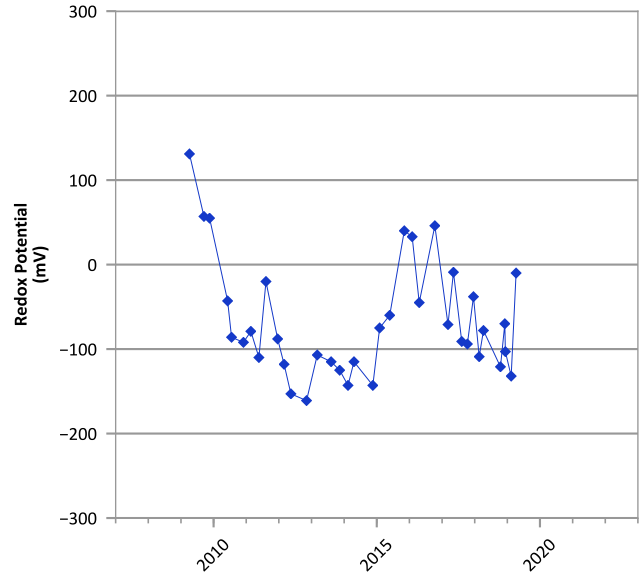
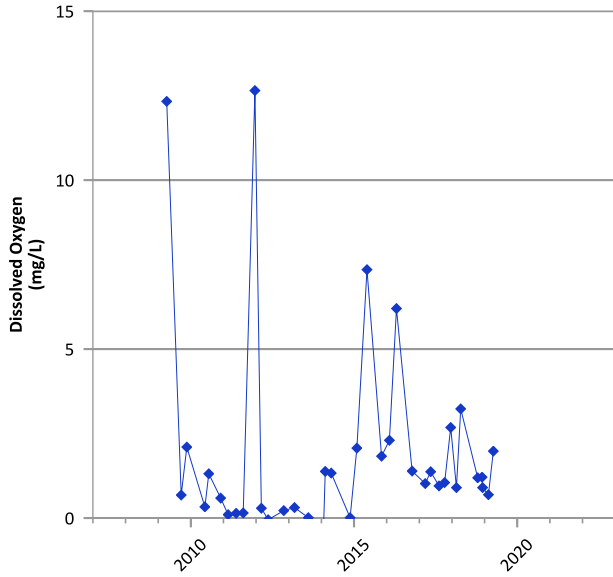
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location



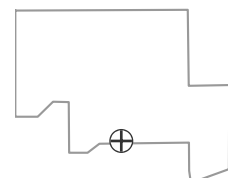


**PTX06-ISB077 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



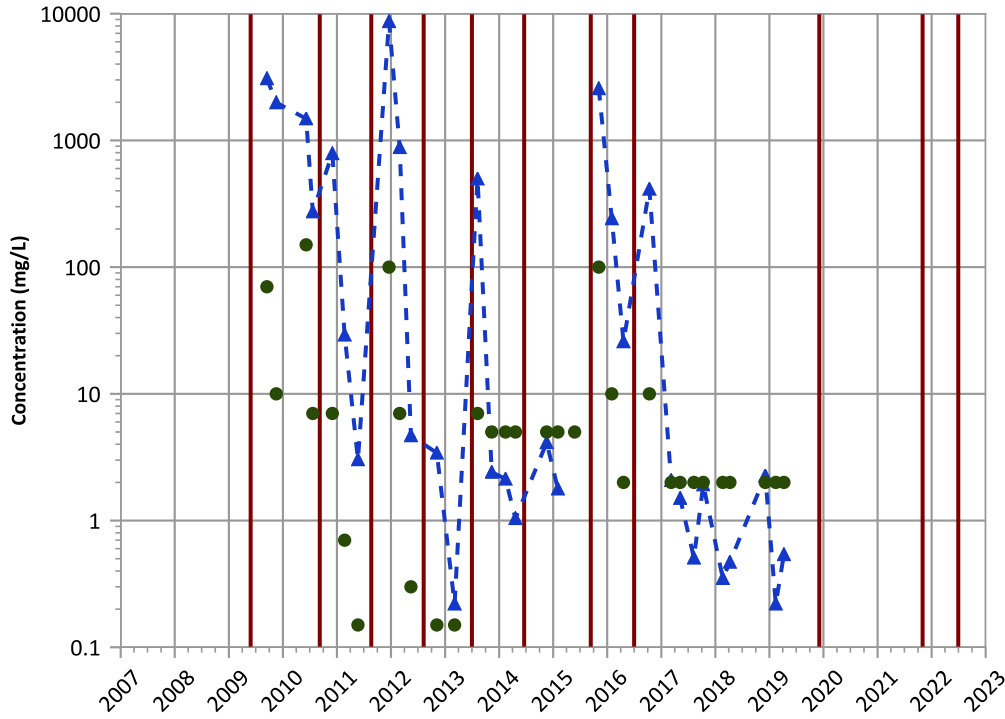
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 09/15/2009 to 04/09/2019  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB077 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

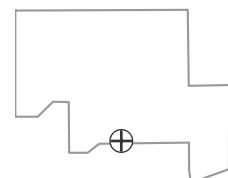
2020 - 2022 Data:

No Trend

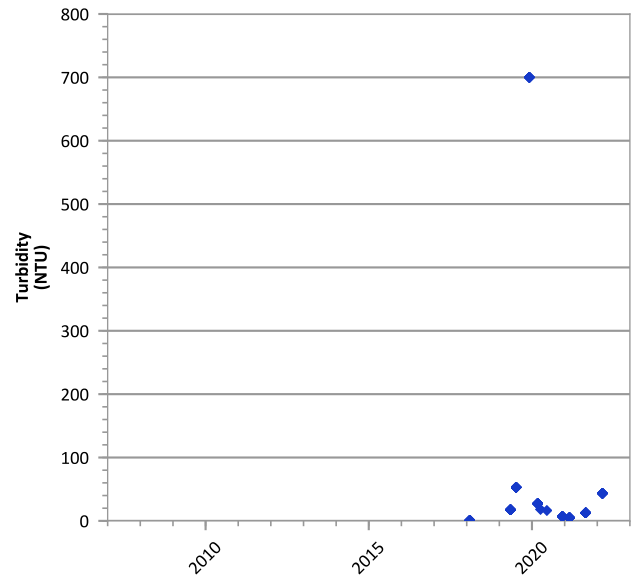
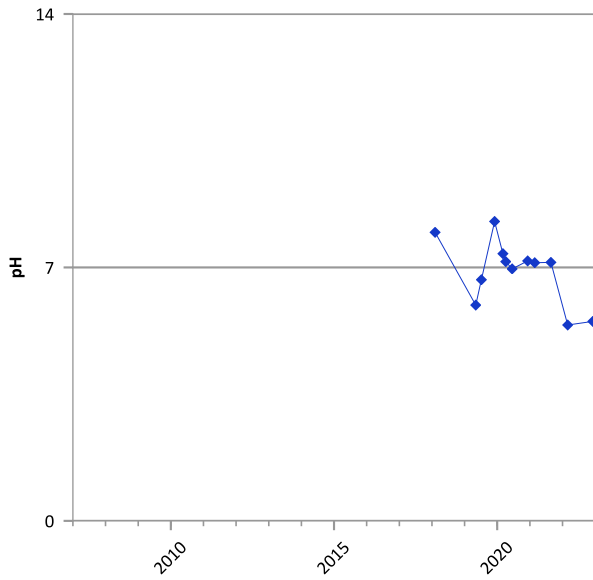
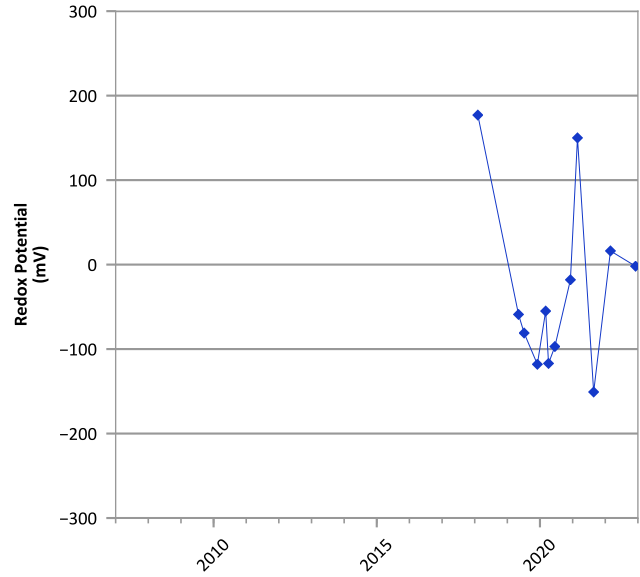
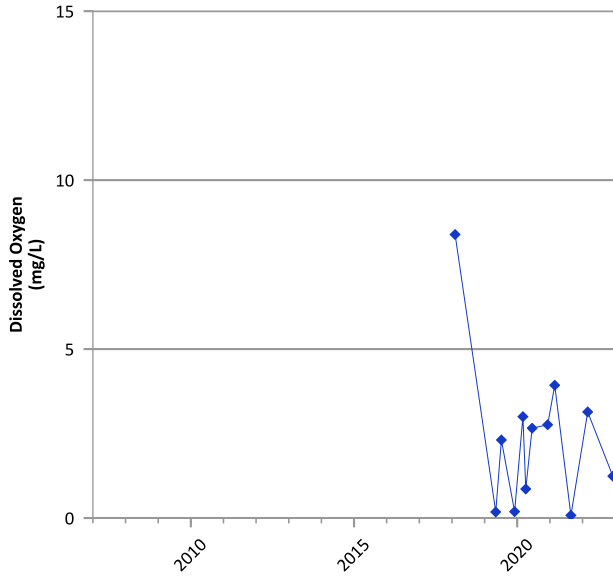
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 09/15/2009 to 04/09/2019  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

Well Location

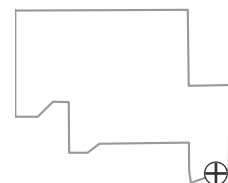


**PTX06-ISB302 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



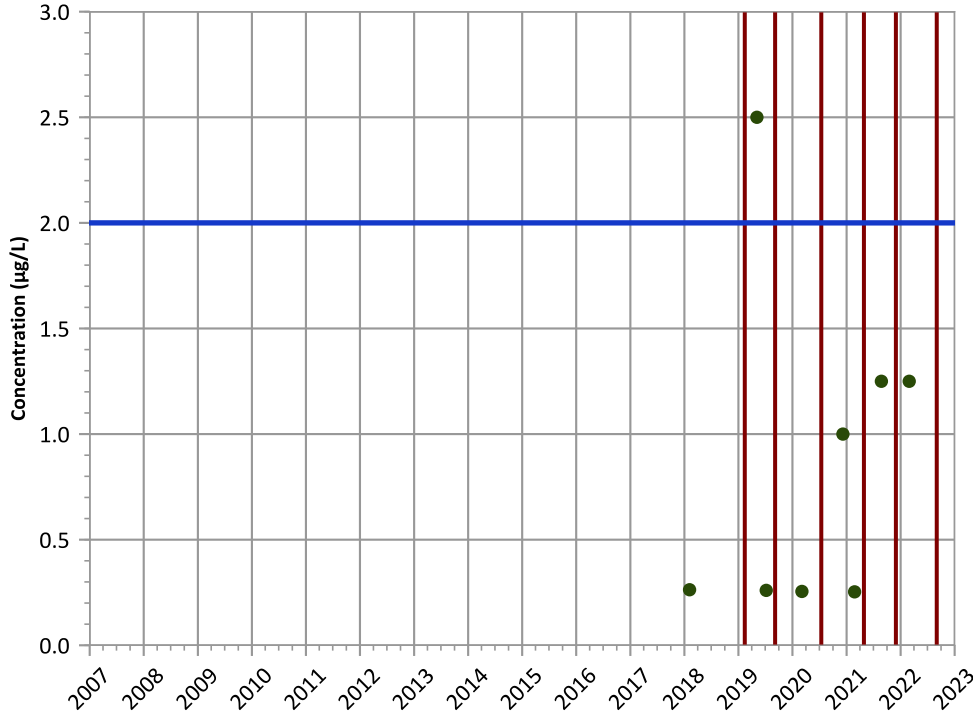
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 02/05/2018 to 12/06/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB302 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

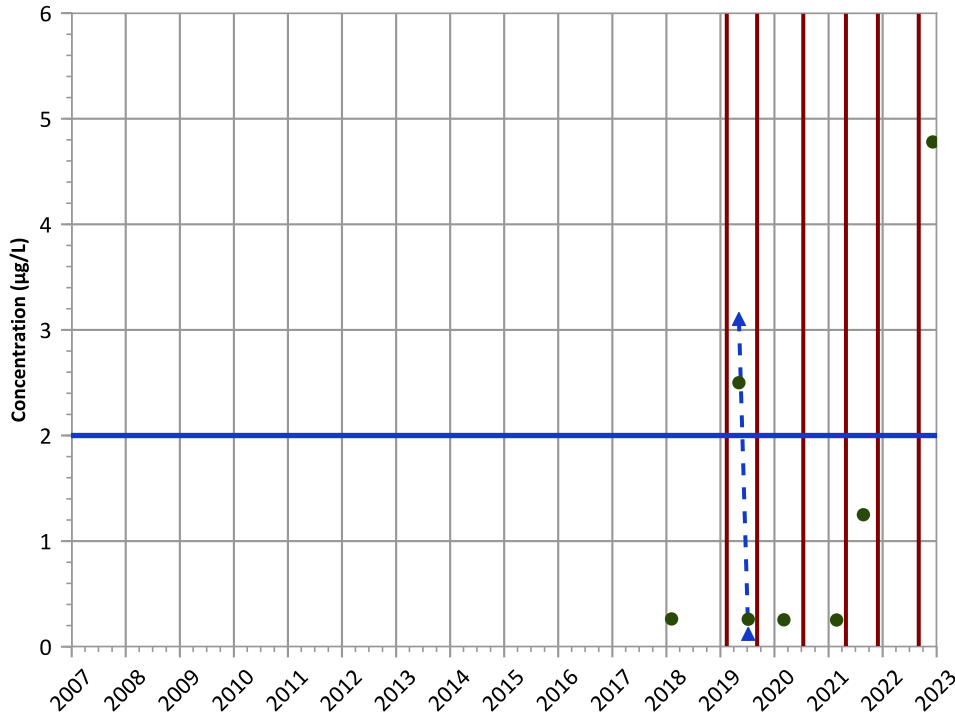


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

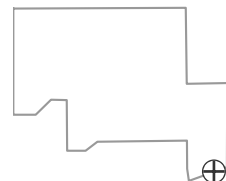


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

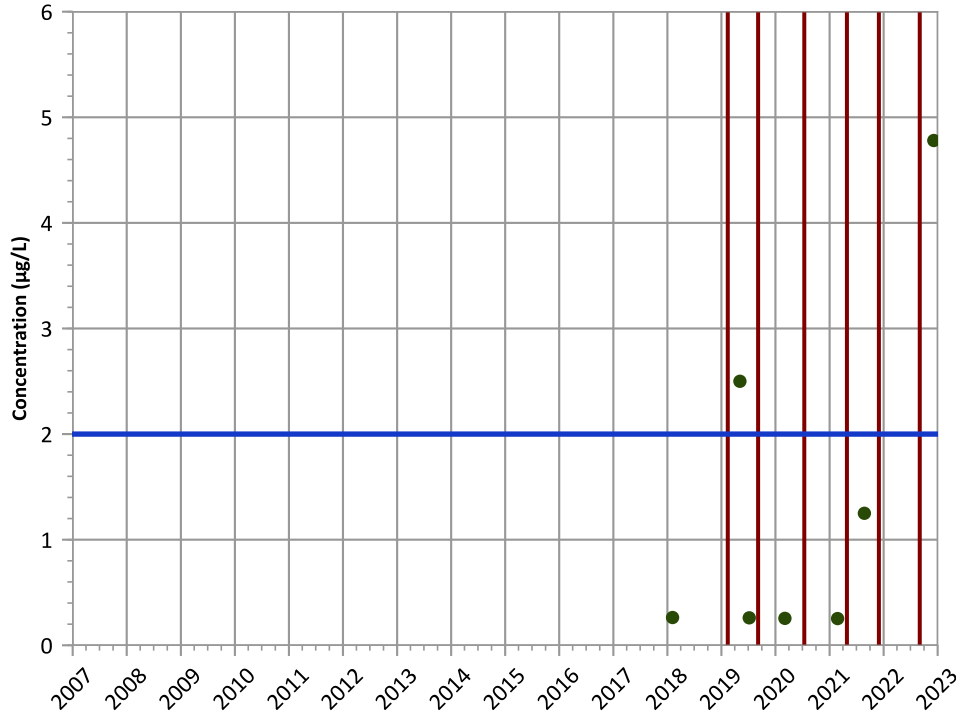


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB302 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

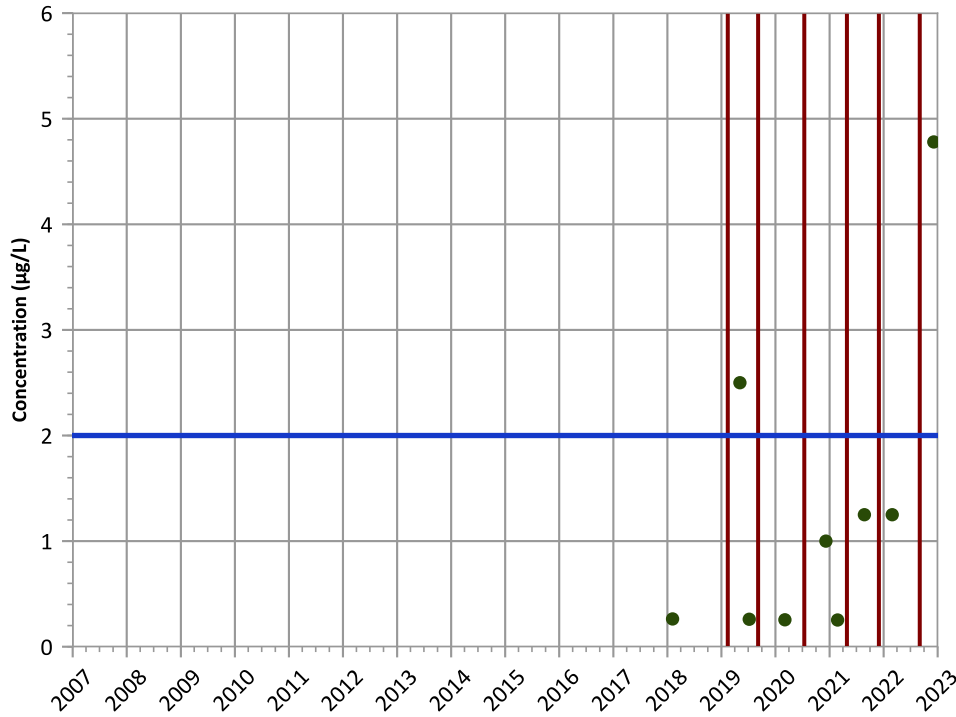
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

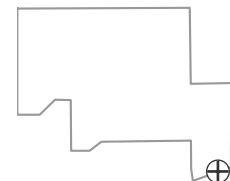
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

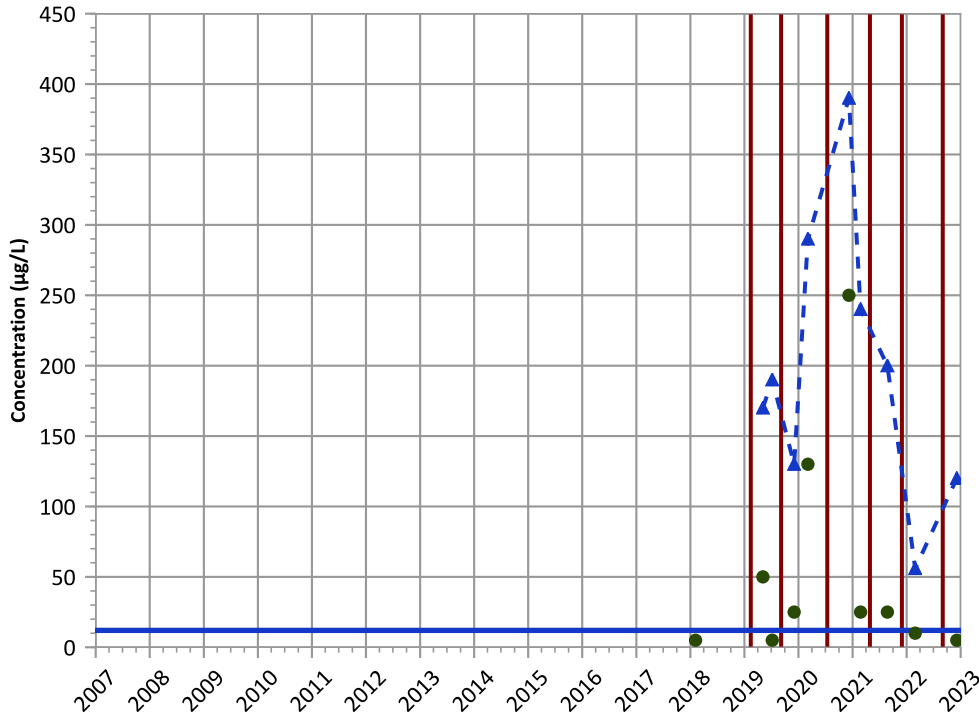


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB302 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

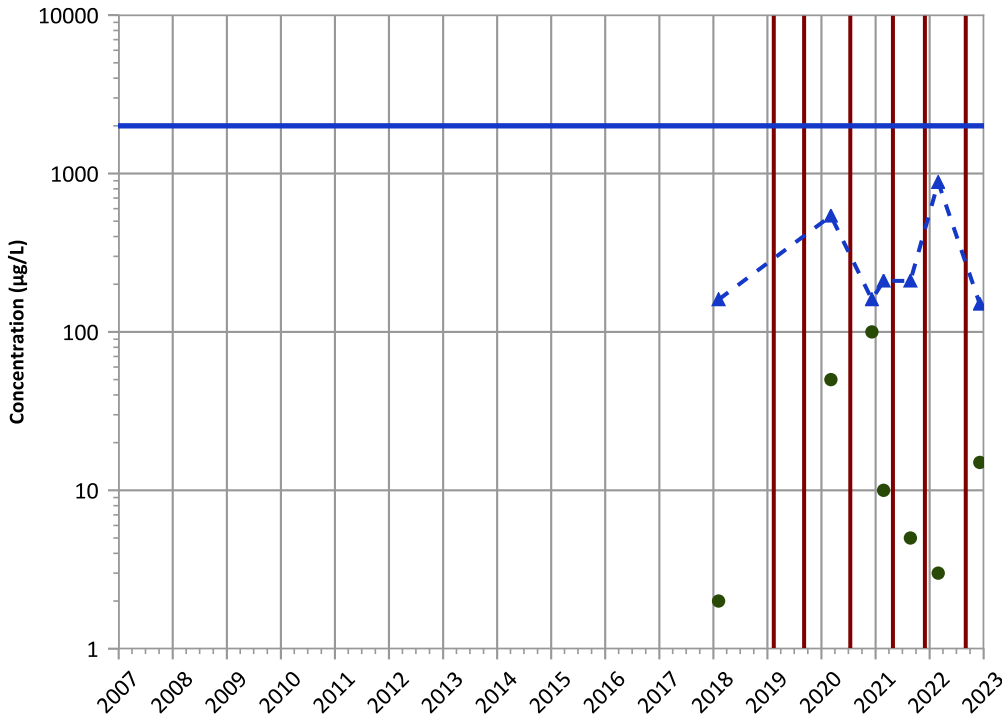


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

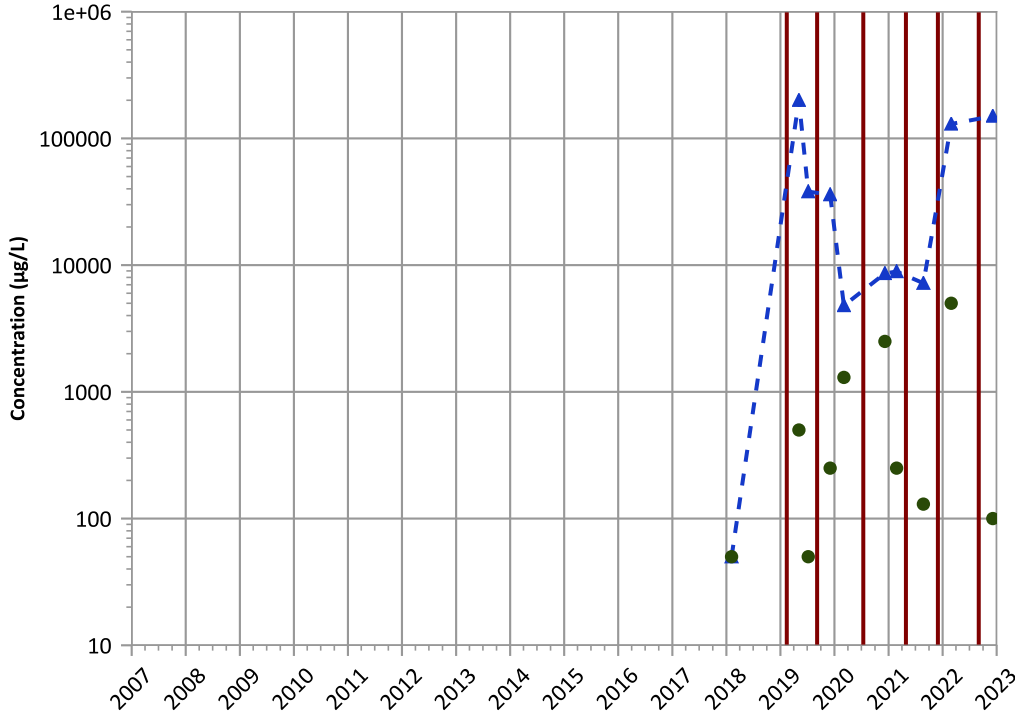


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB302 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

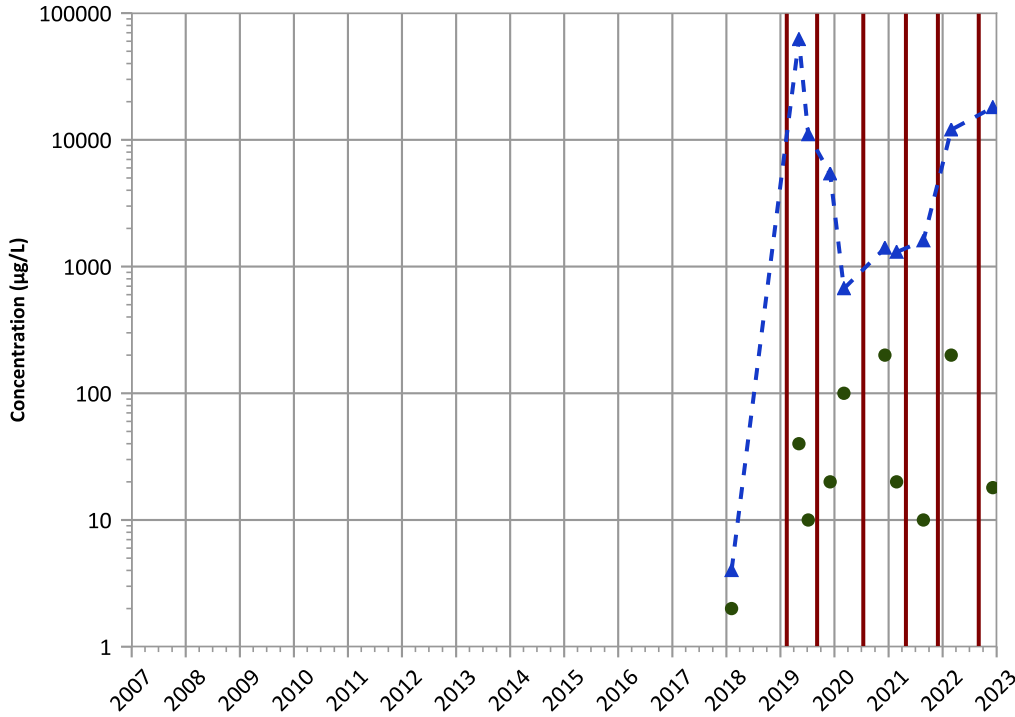


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Manganese Trend

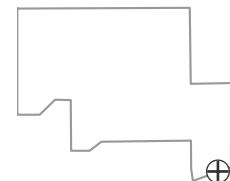


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Well Location

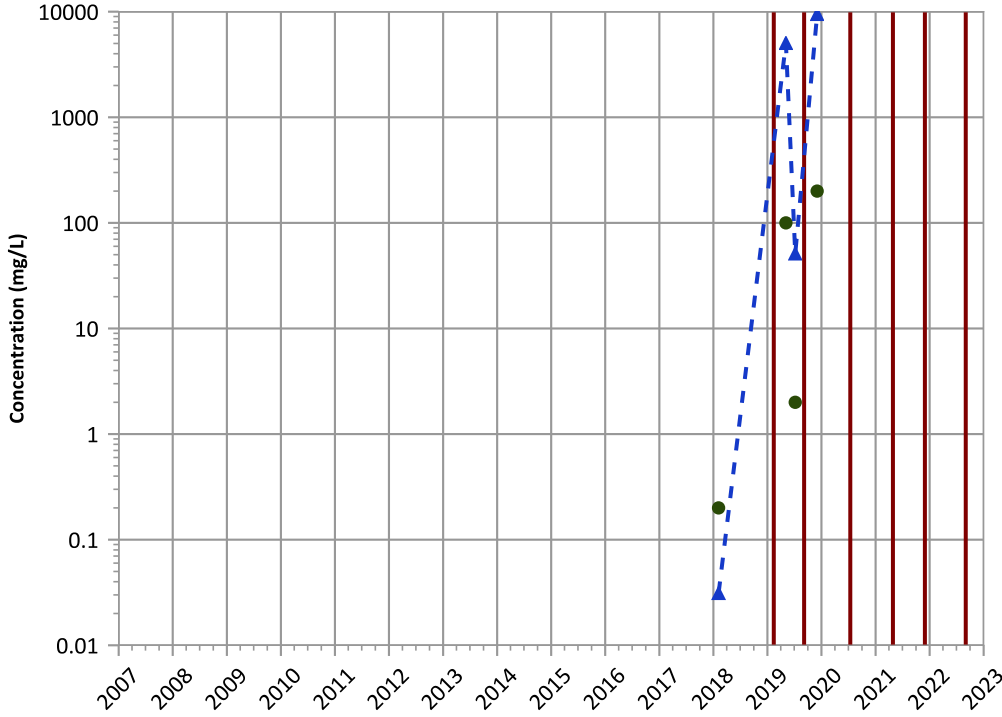


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB302 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend

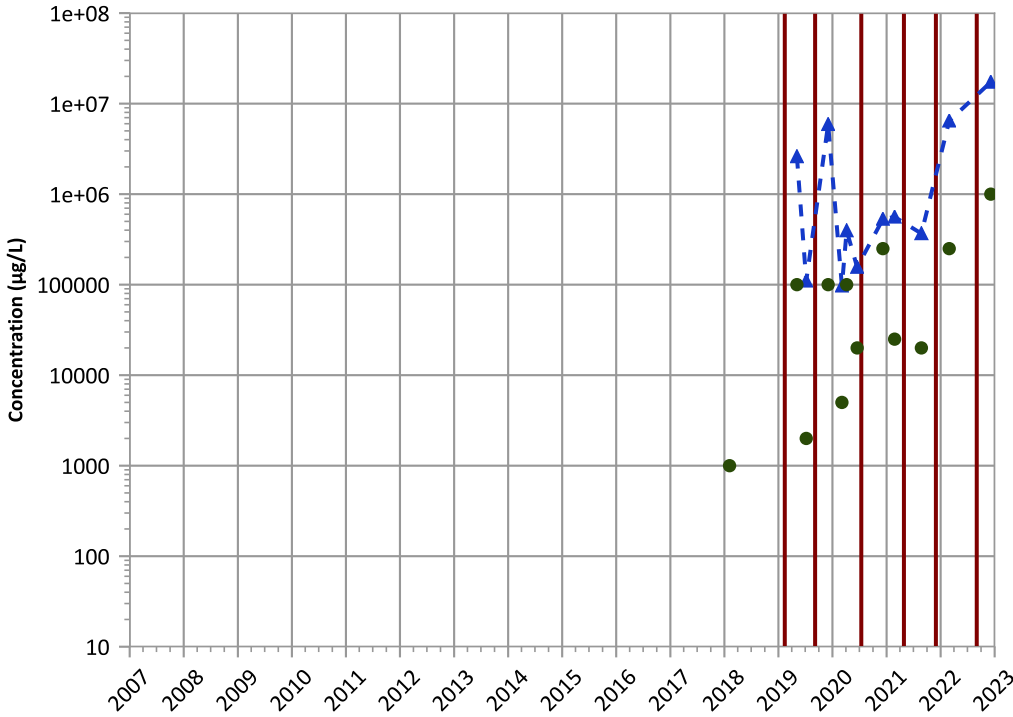


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Total Organic Carbon Trend

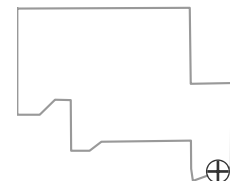


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

Well Location



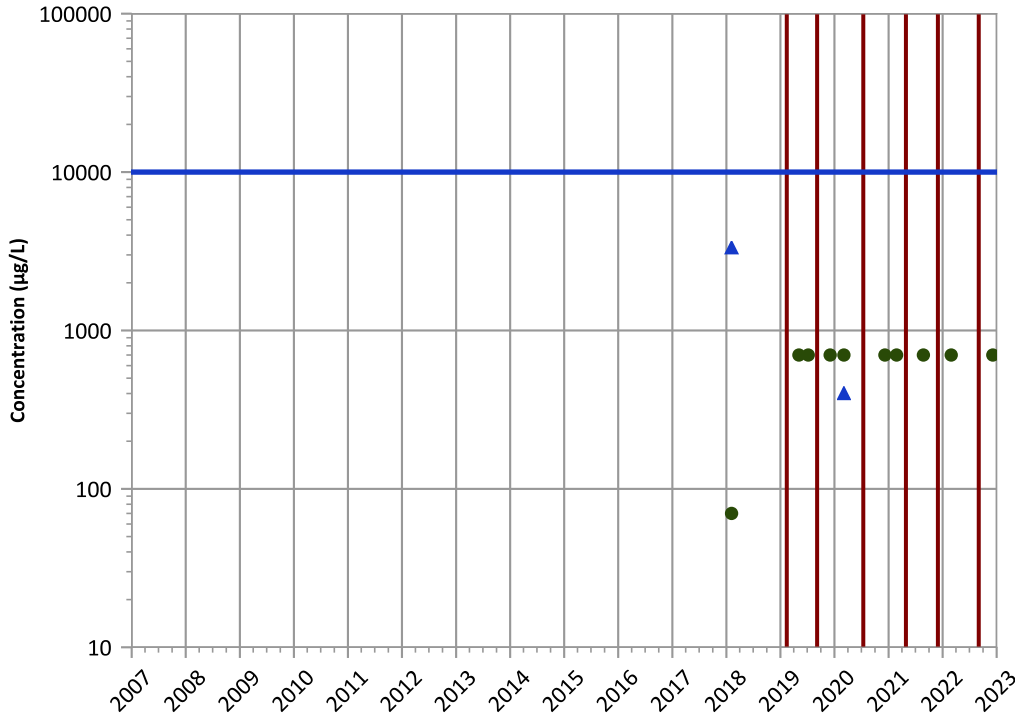
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-ISB302 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

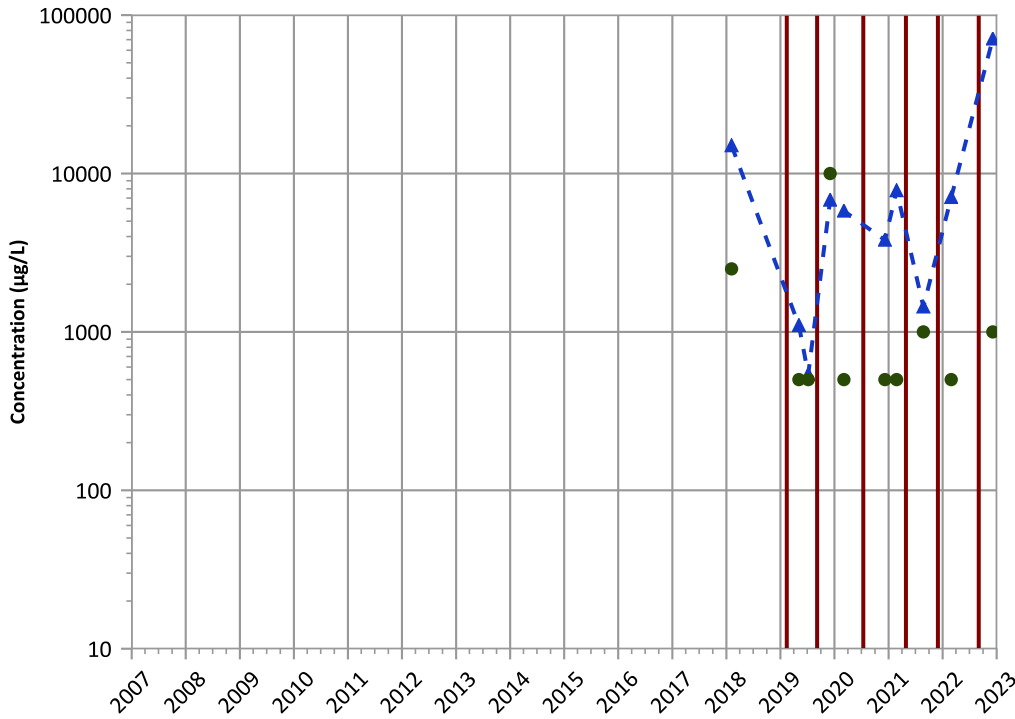


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sulfate (as SO4) Trend

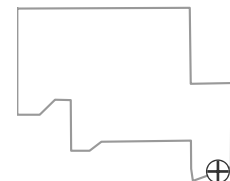


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

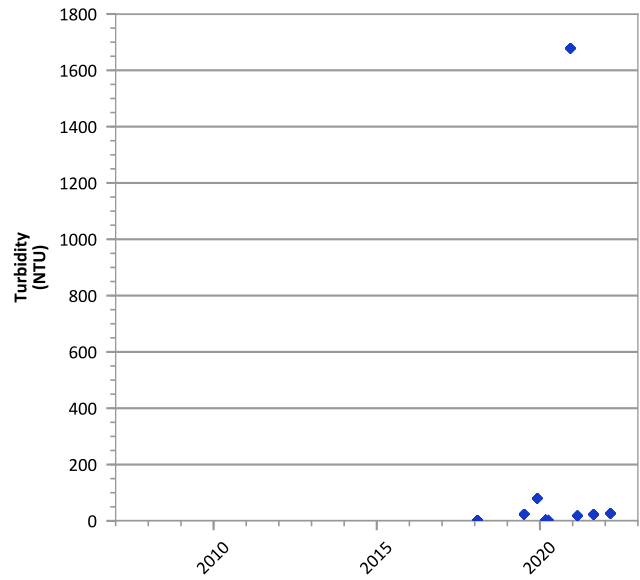
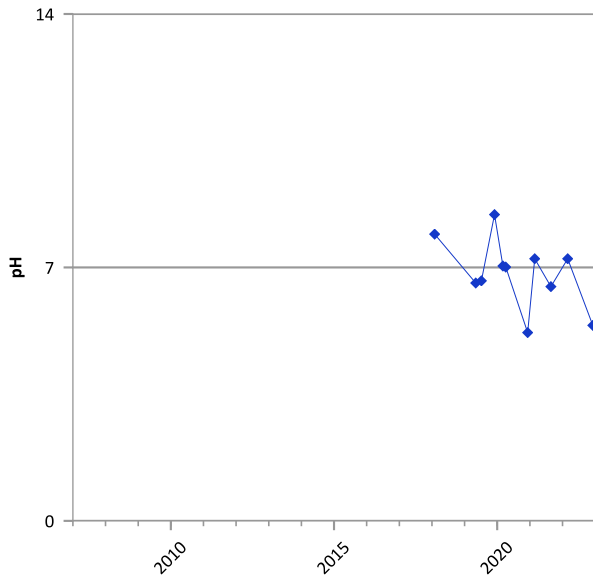
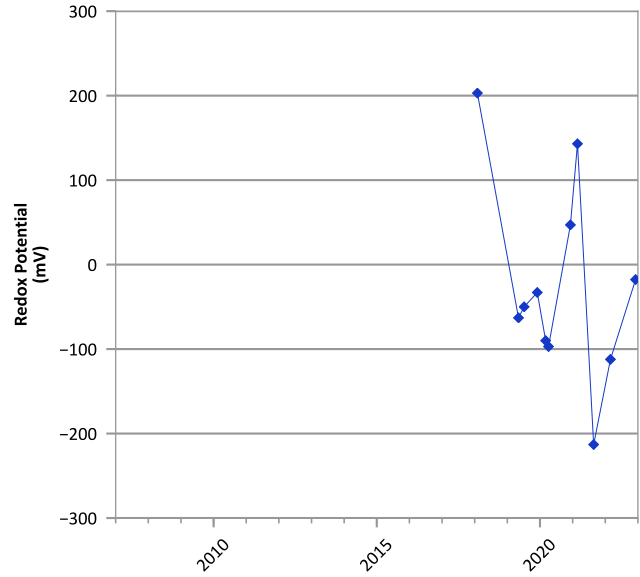
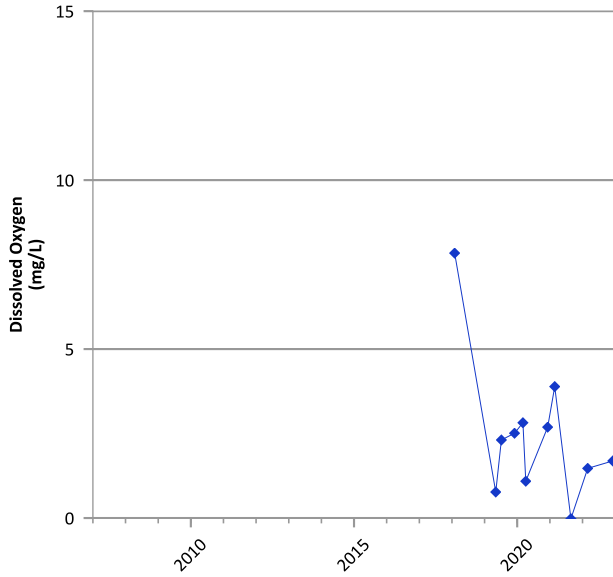
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 02/05/2018 to 12/06/2022  
Analysis Date: 04/24/2023

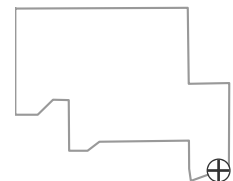
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-ISB307 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



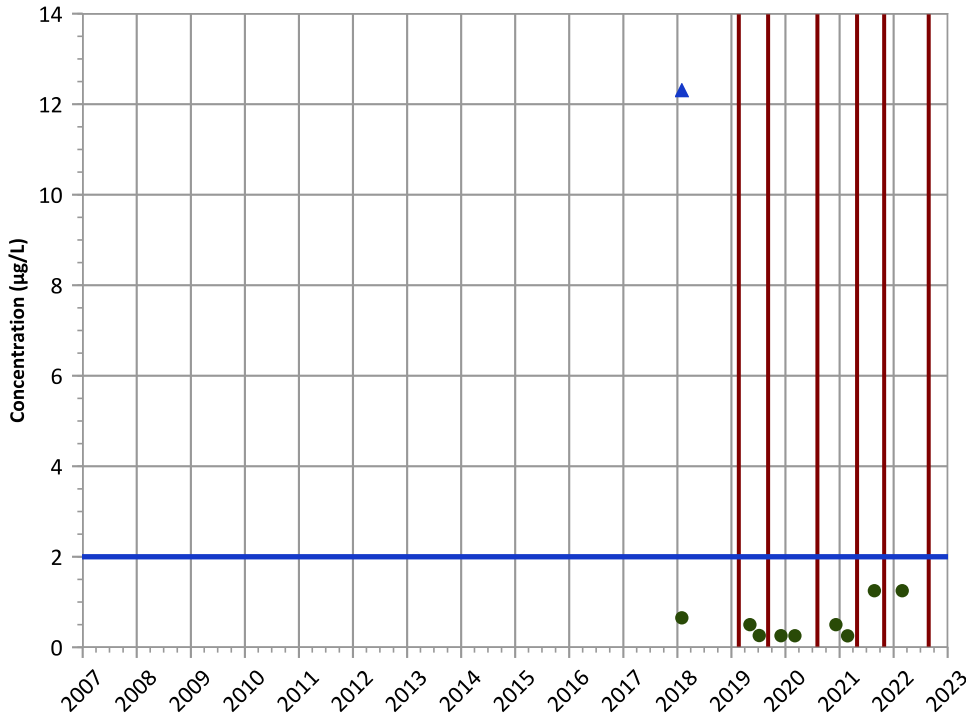
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 01/31/2018 to 12/06/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB307 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

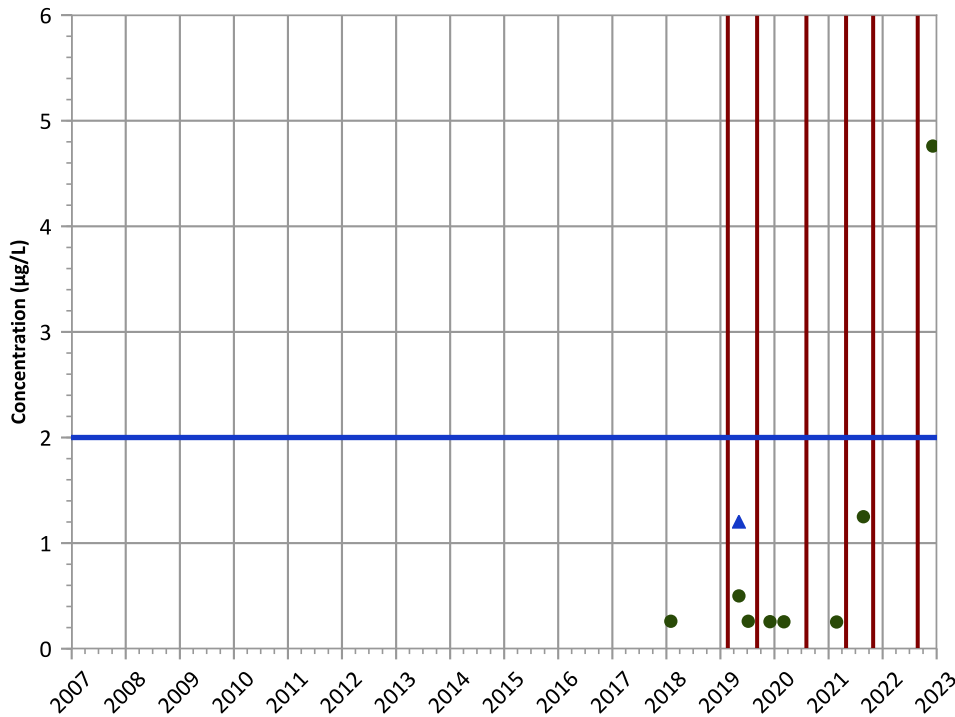


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

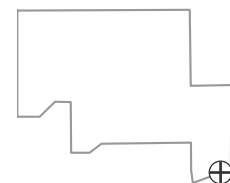


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

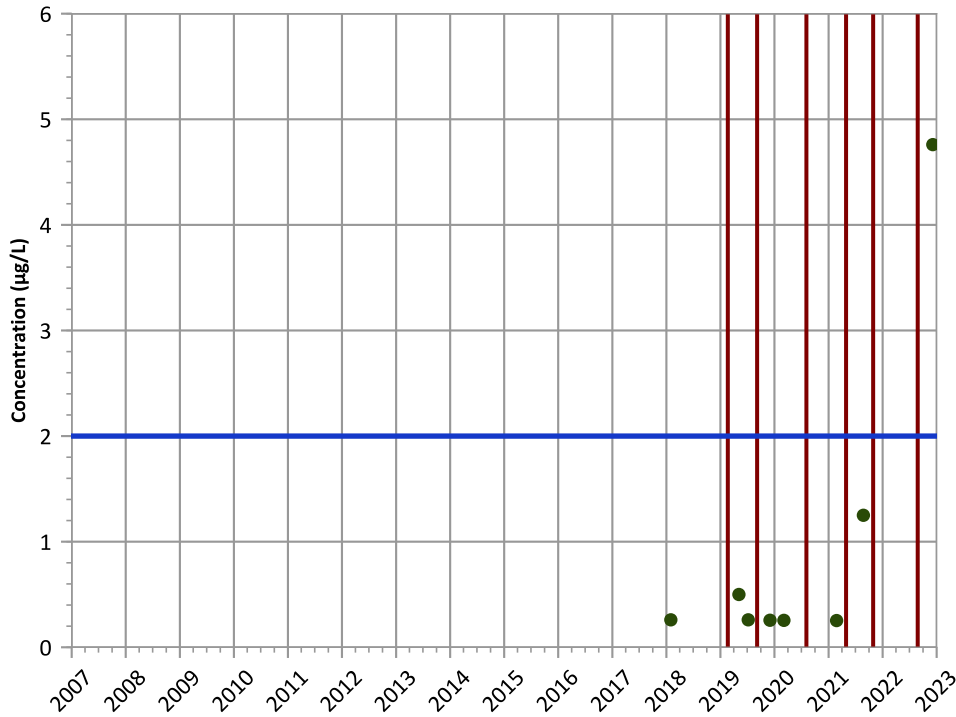


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/31/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB307 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

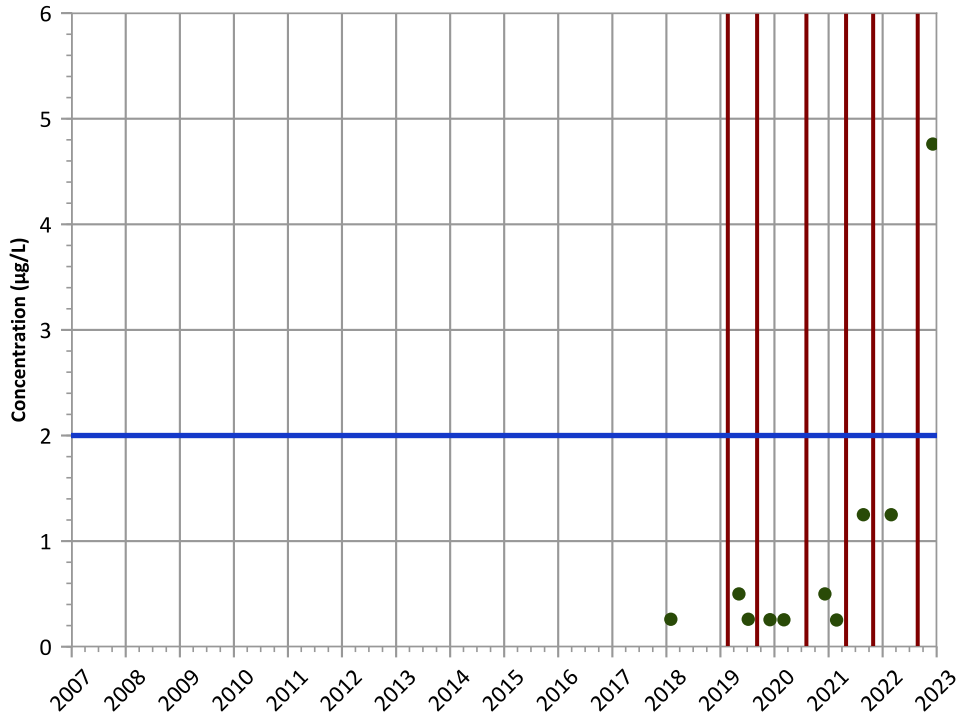
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

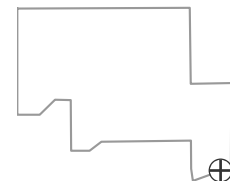
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

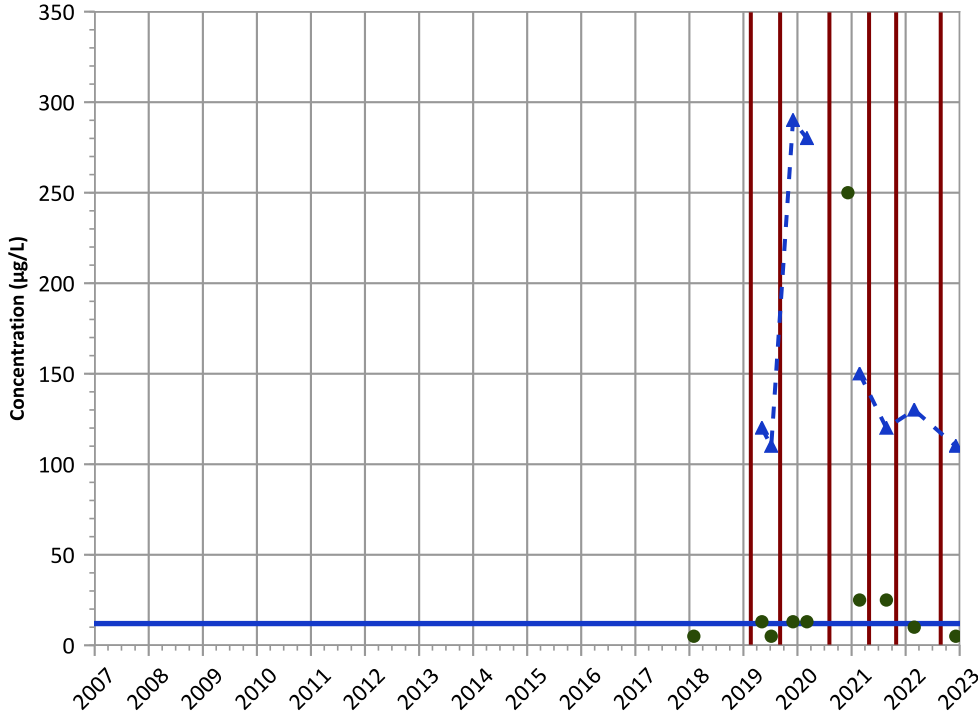


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/31/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB307 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

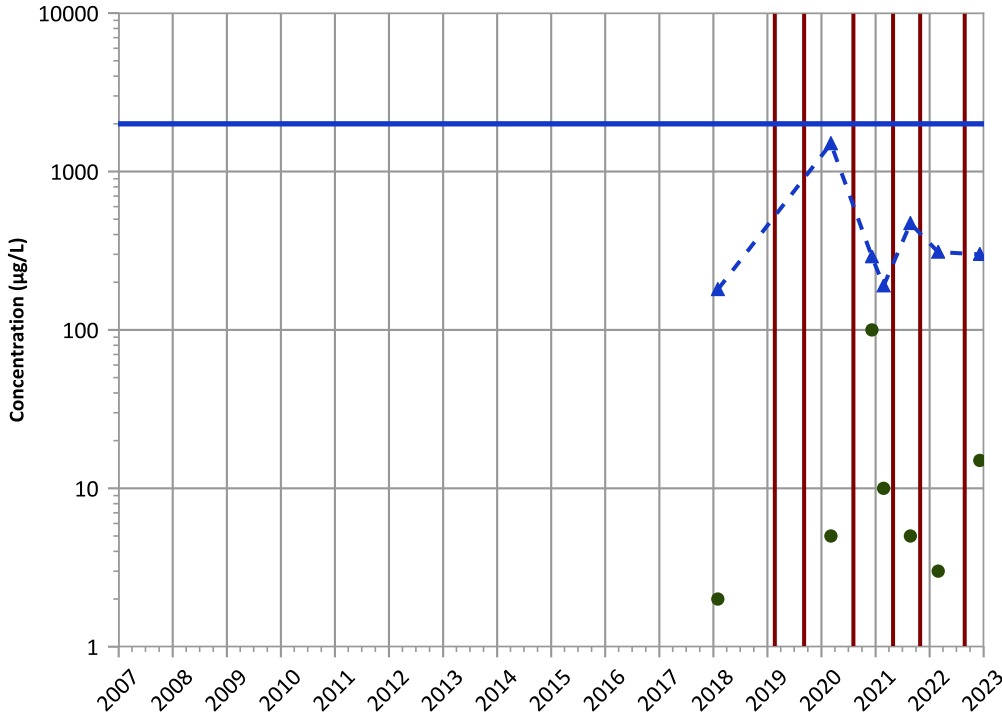


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Barium Trend

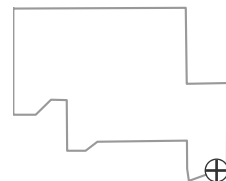


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

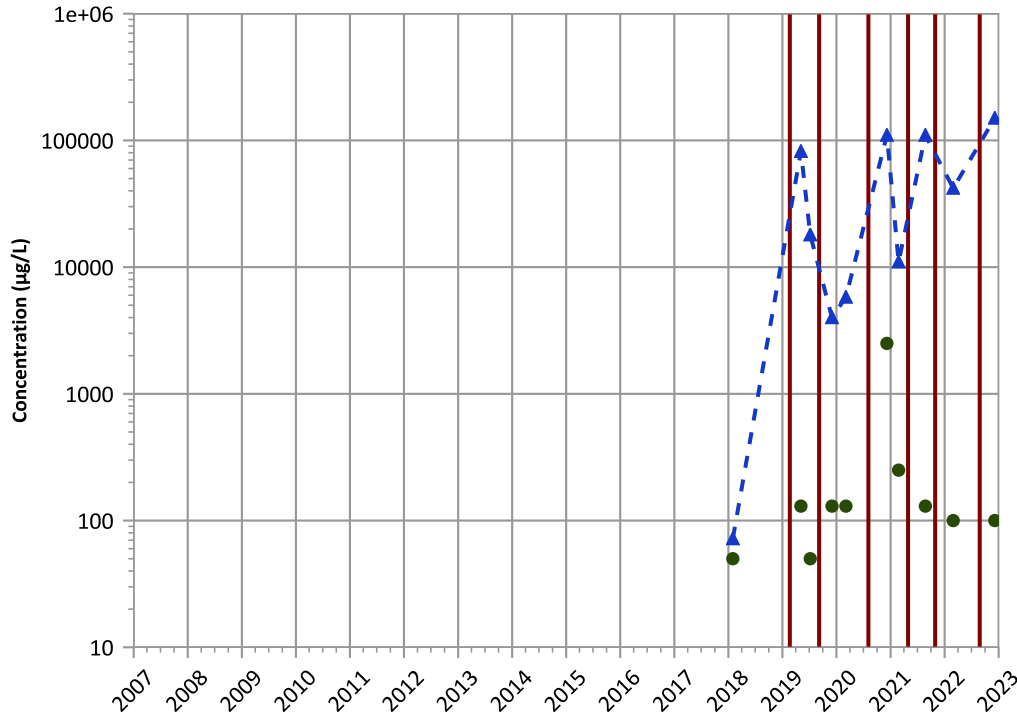


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/31/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB307 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

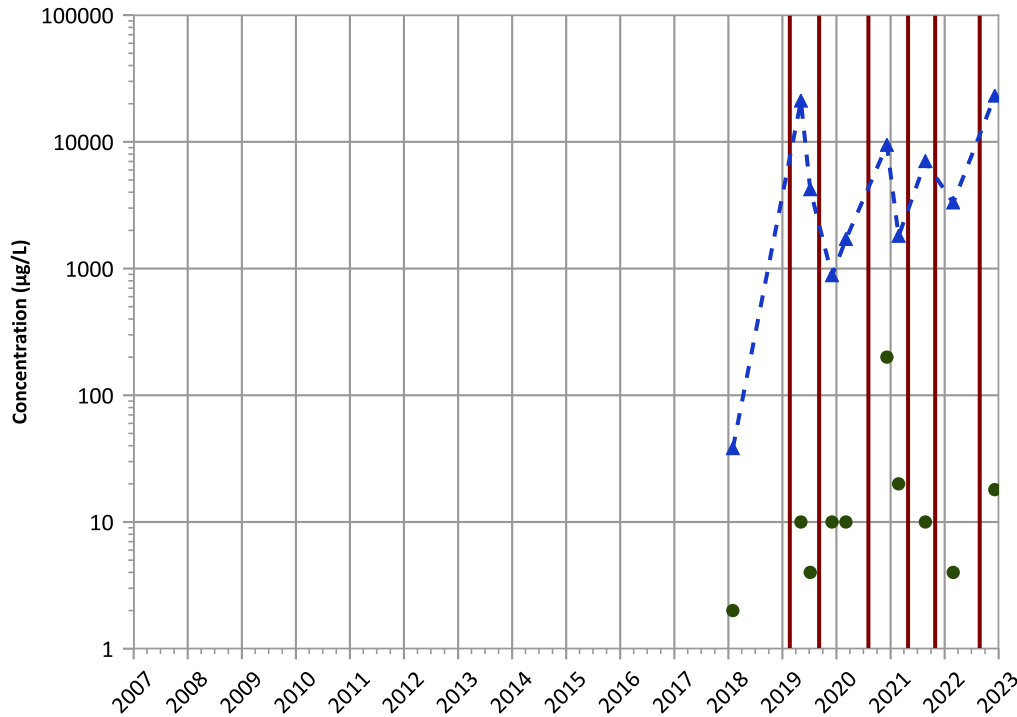


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Well Location

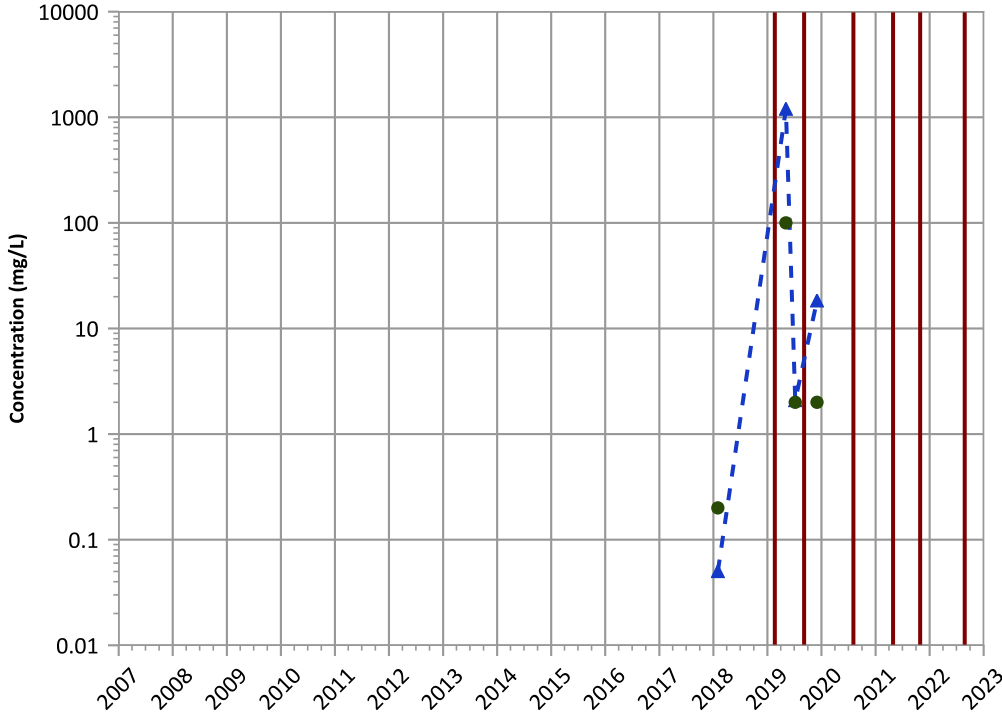


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/31/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB307 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend

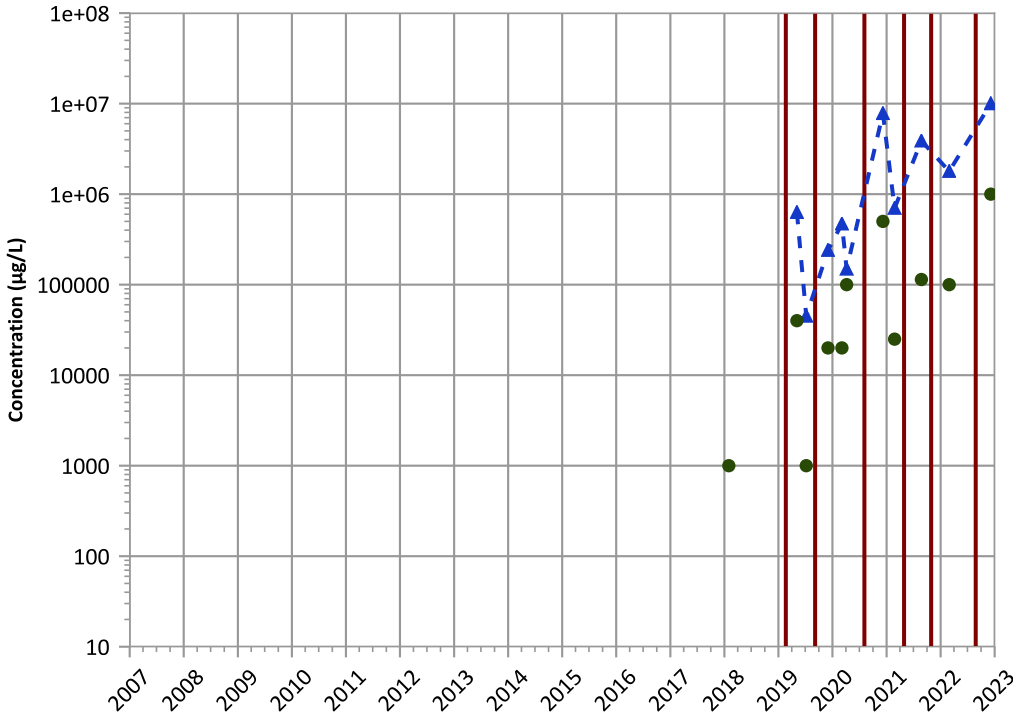


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Total Organic Carbon Trend

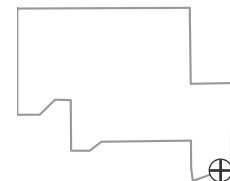


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

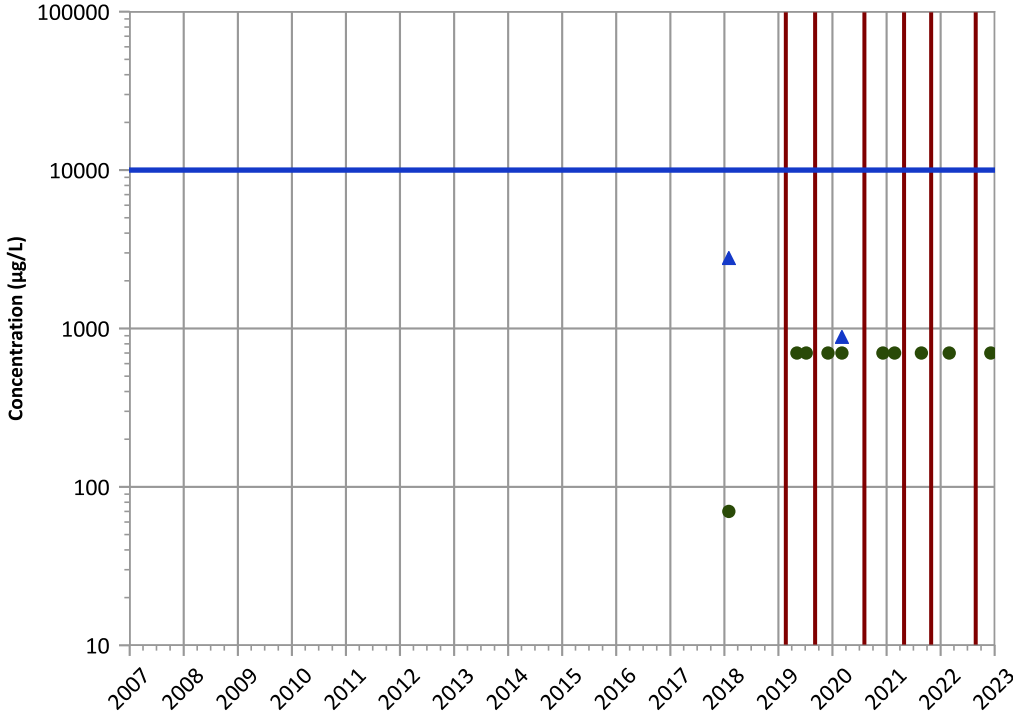


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/31/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB307 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

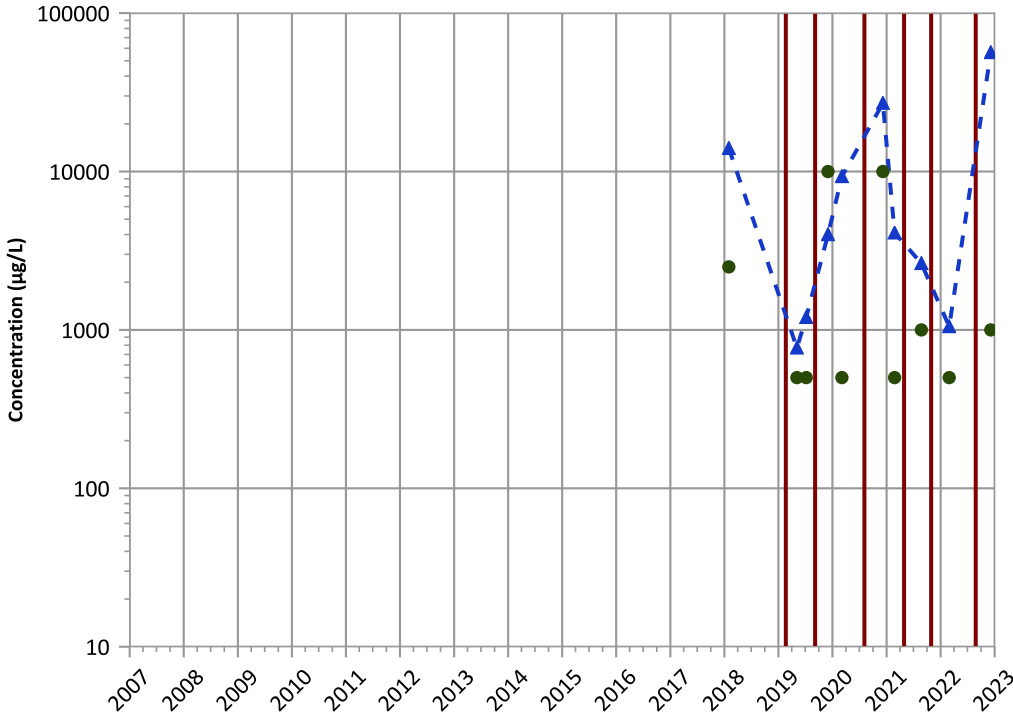


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sulfate (as SO4) Trend

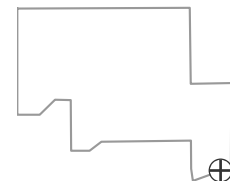


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

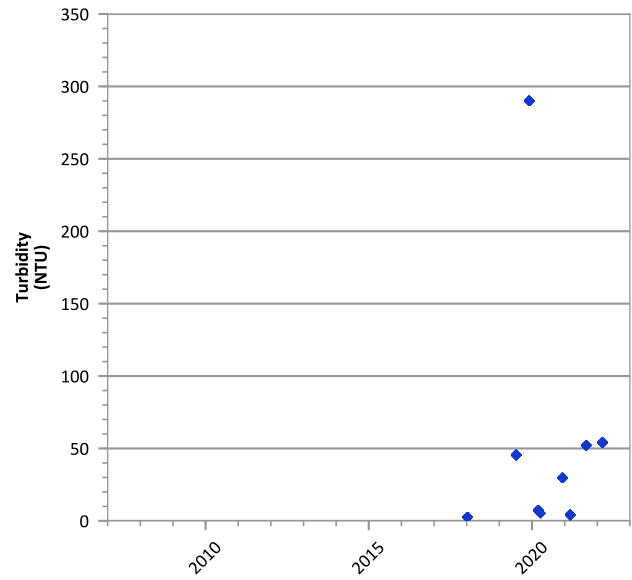
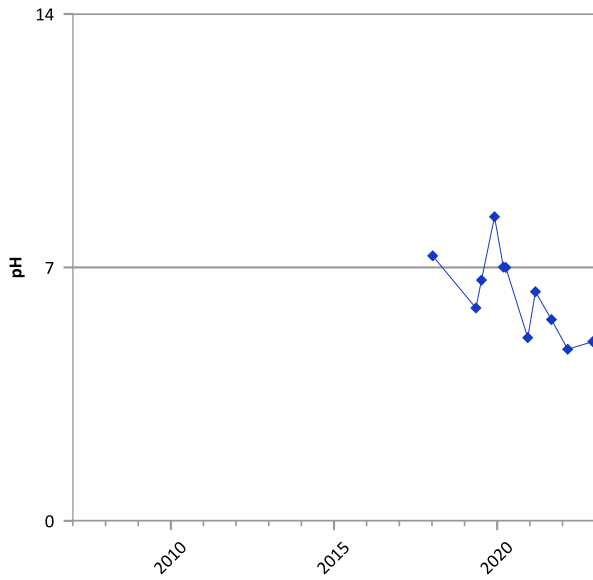
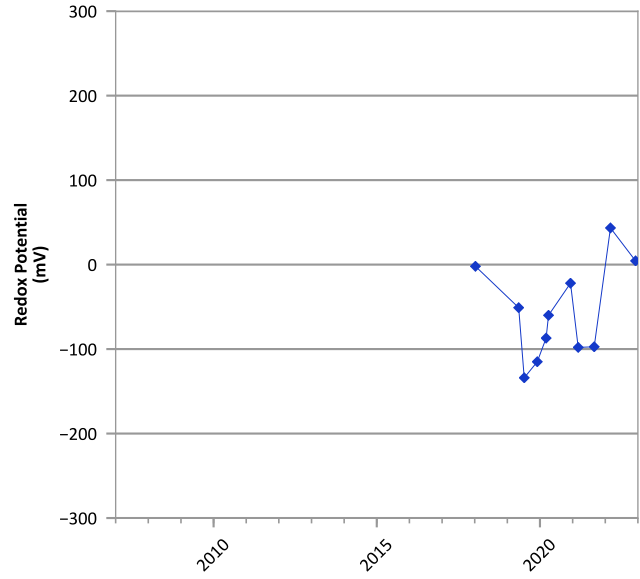
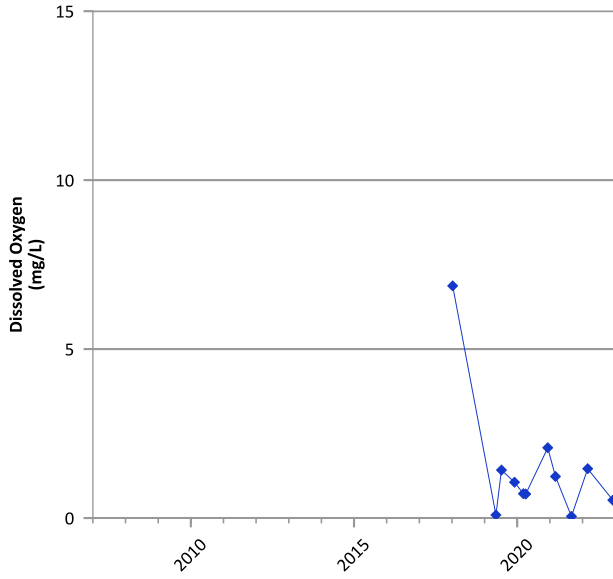


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/31/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

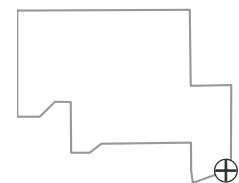


**PTX06-ISB317 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



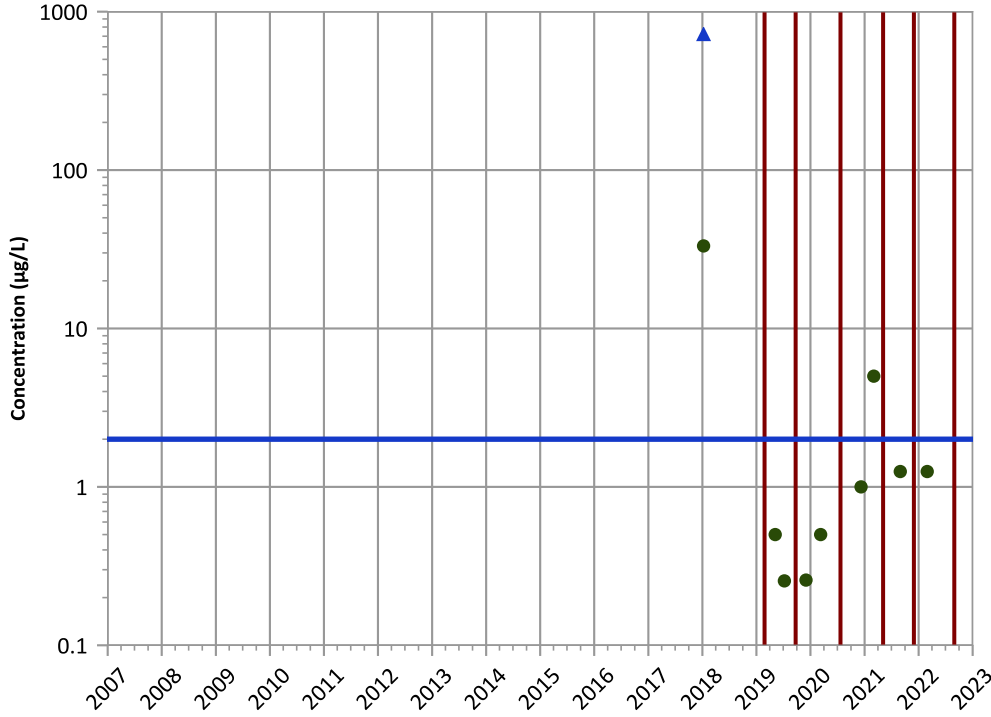
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 01/09/2018 to 12/06/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB317 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

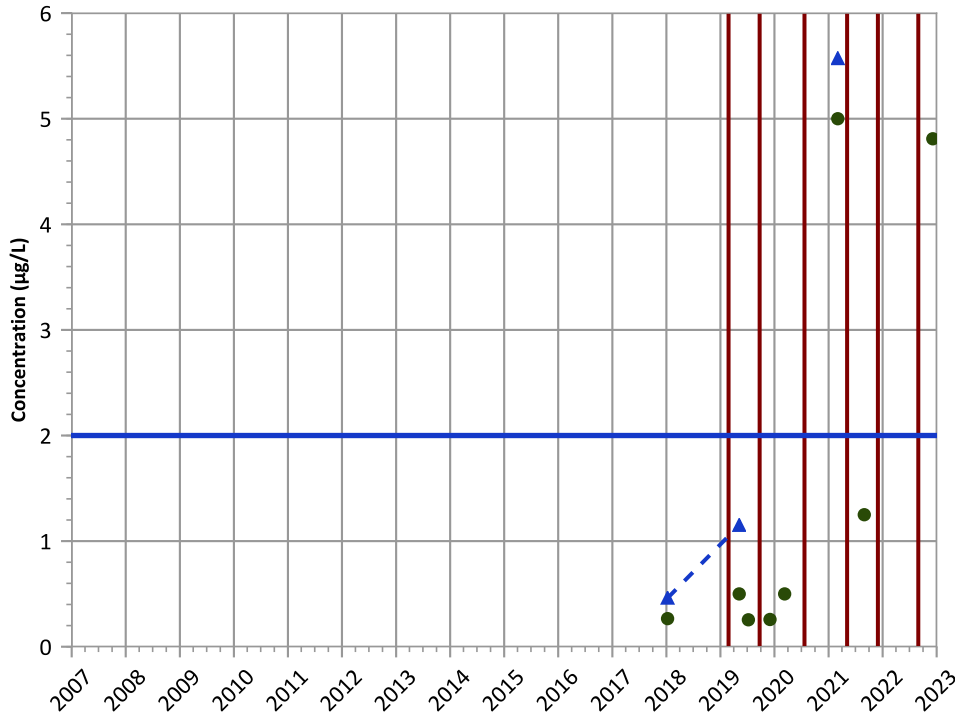


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

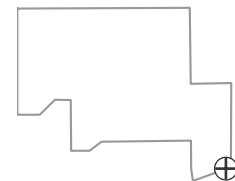


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

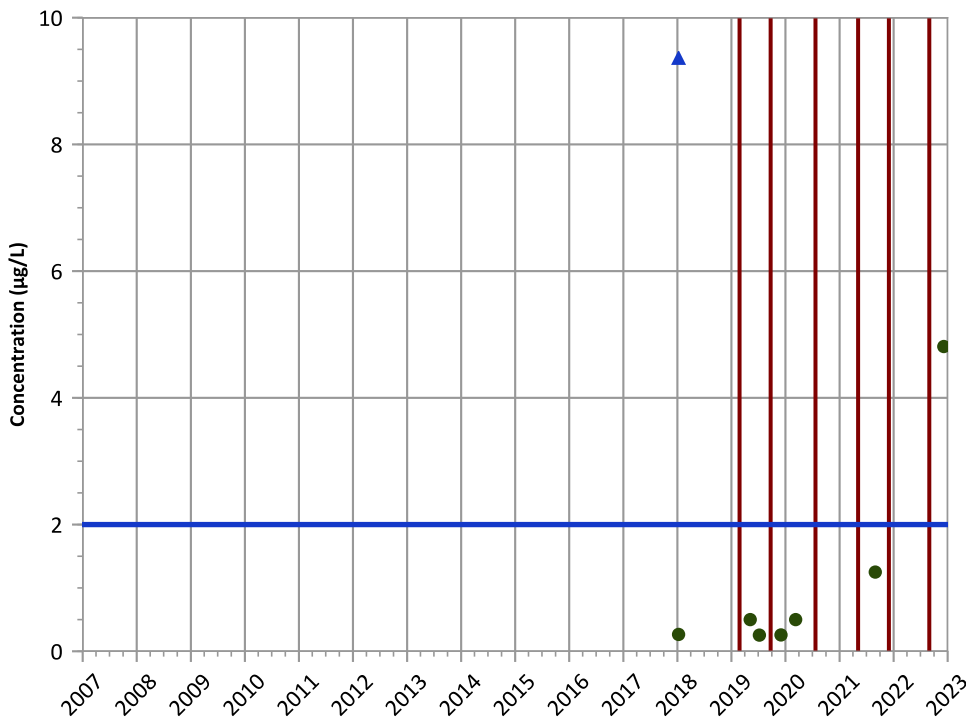


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/09/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB317 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

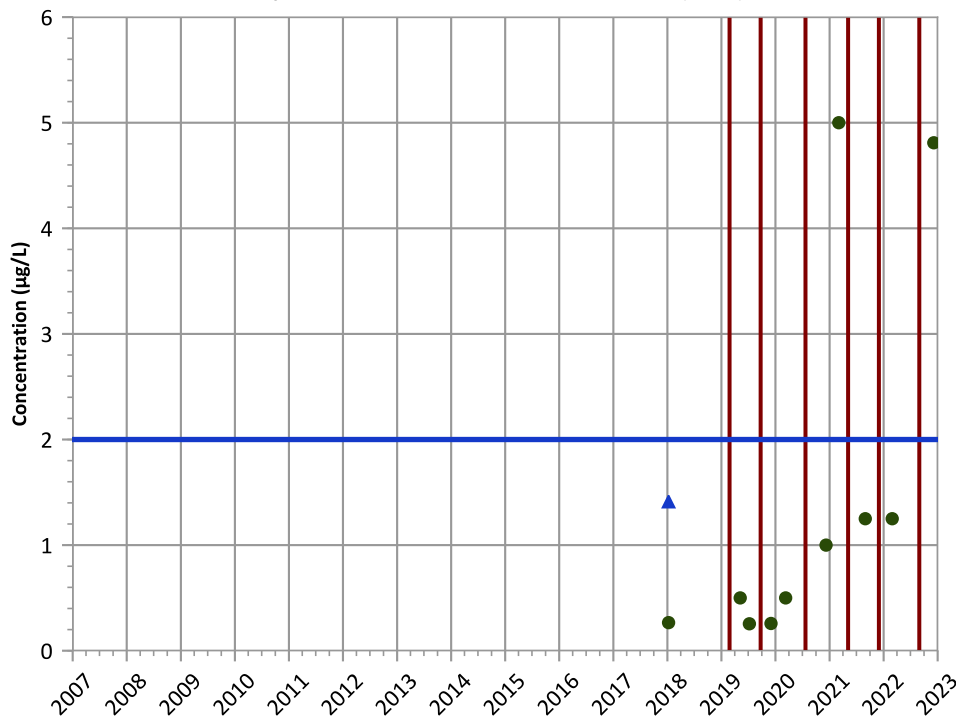


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

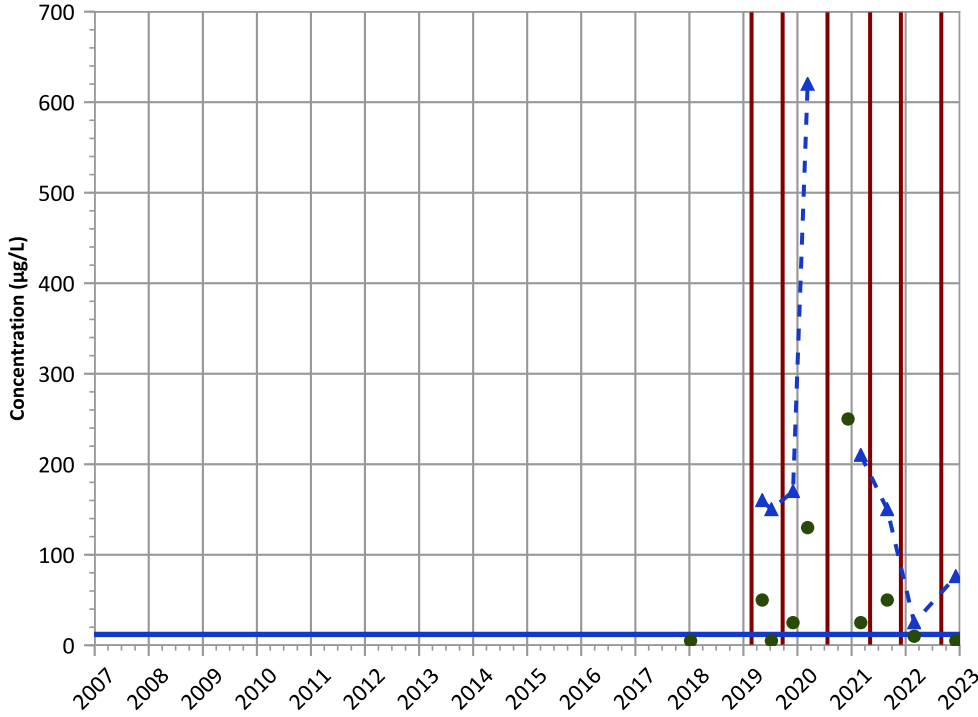


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/09/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB317 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

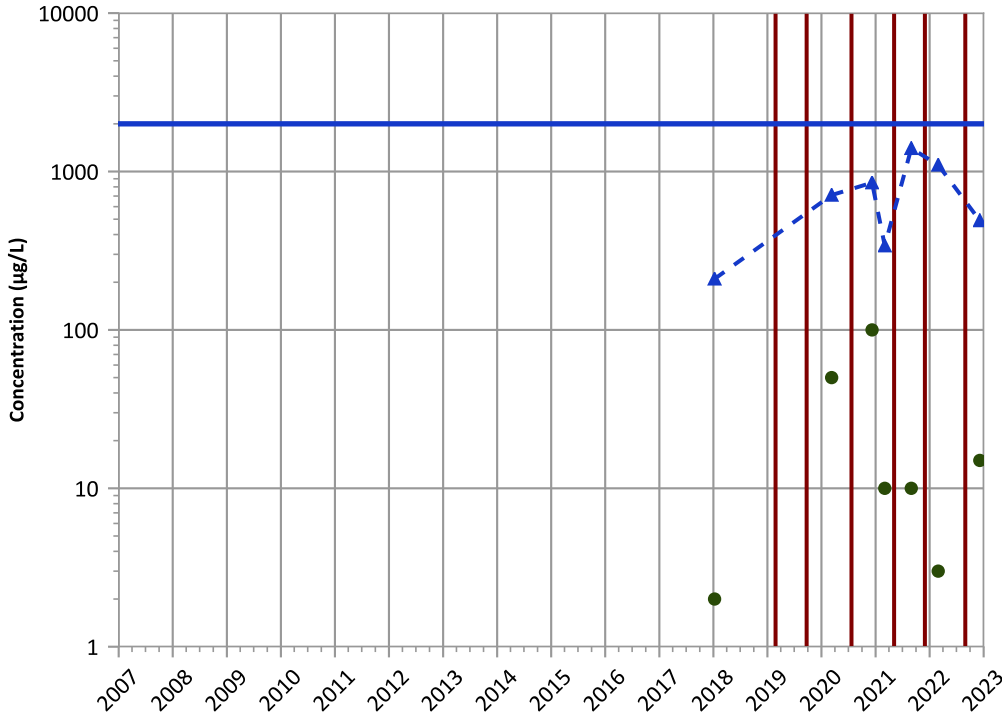


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Barium Trend

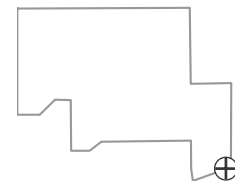


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Well Location

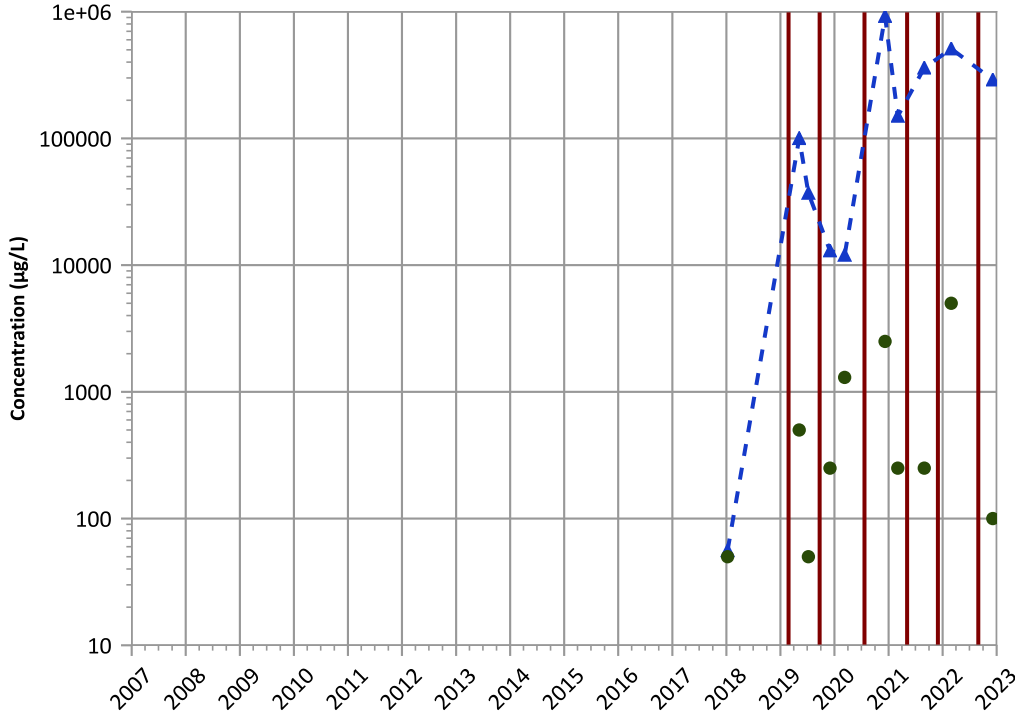


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/09/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB317 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

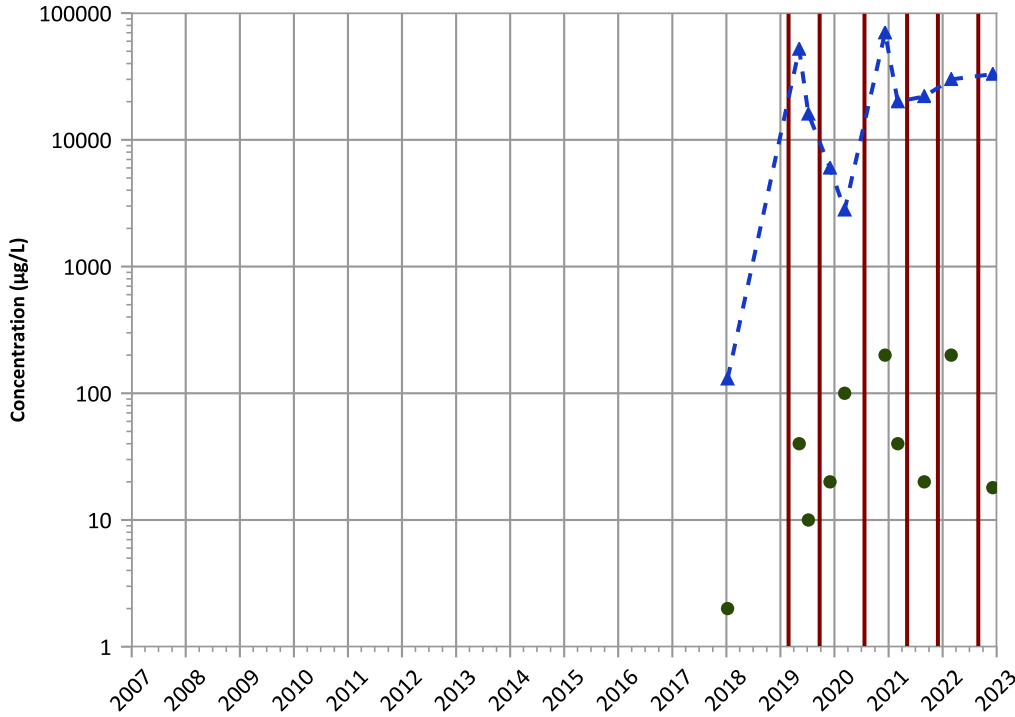
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

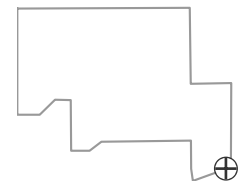
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Well Location

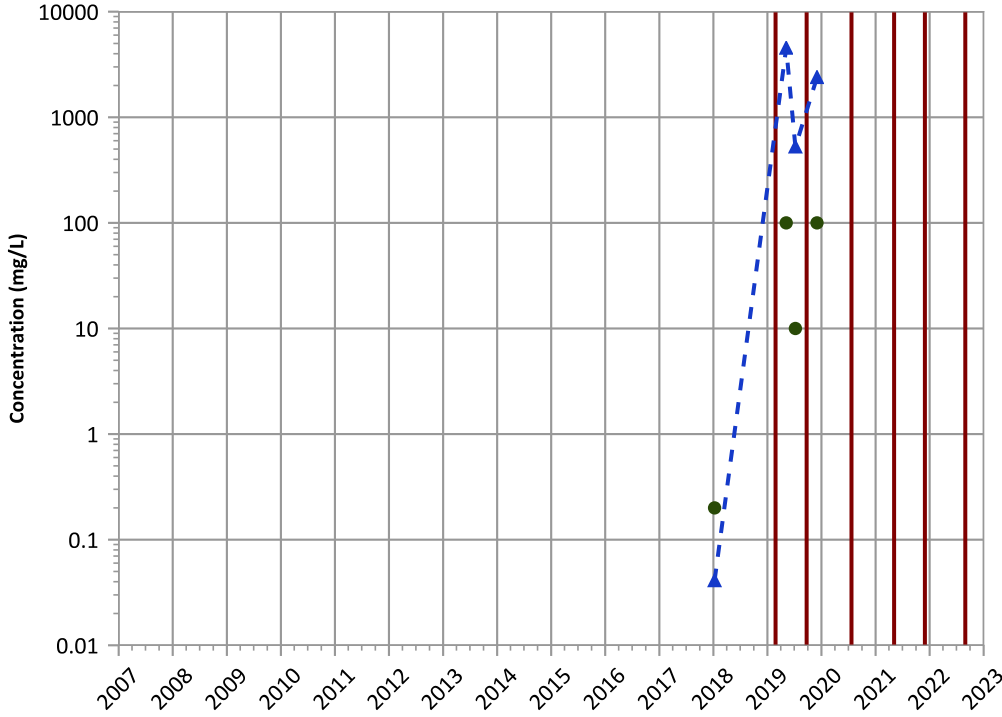


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/09/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB317 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend

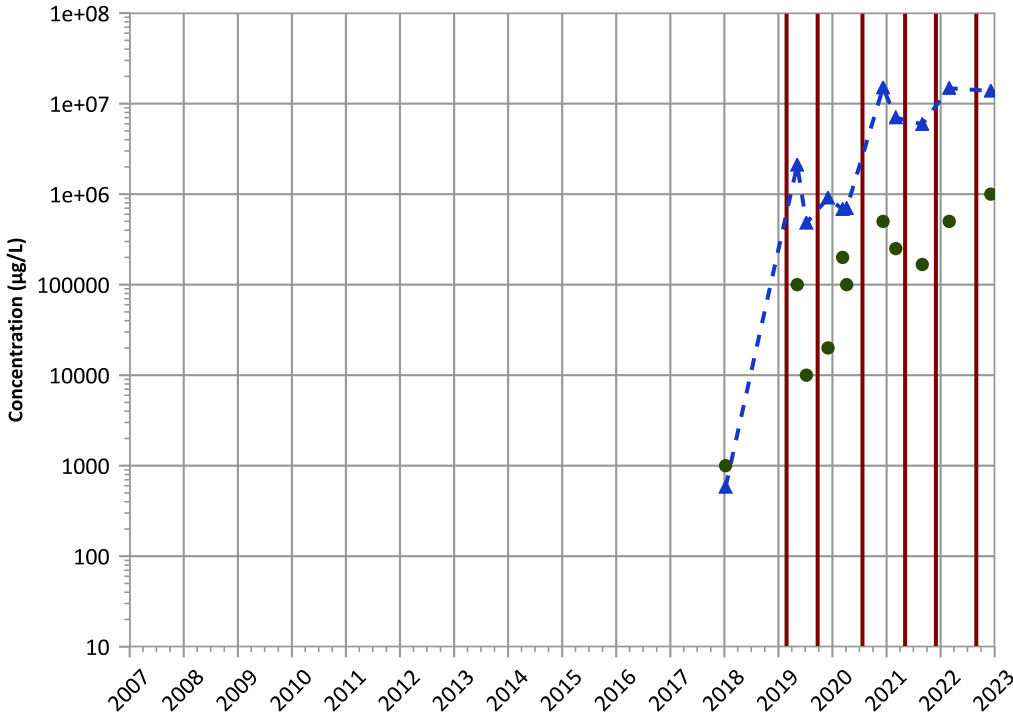
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
Increasing

2020 - 2022 Data:  
Increasing

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing

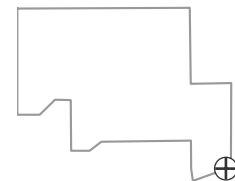
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):  
Increasing

2020 - 2022 Data:  
No Trend

Well Location

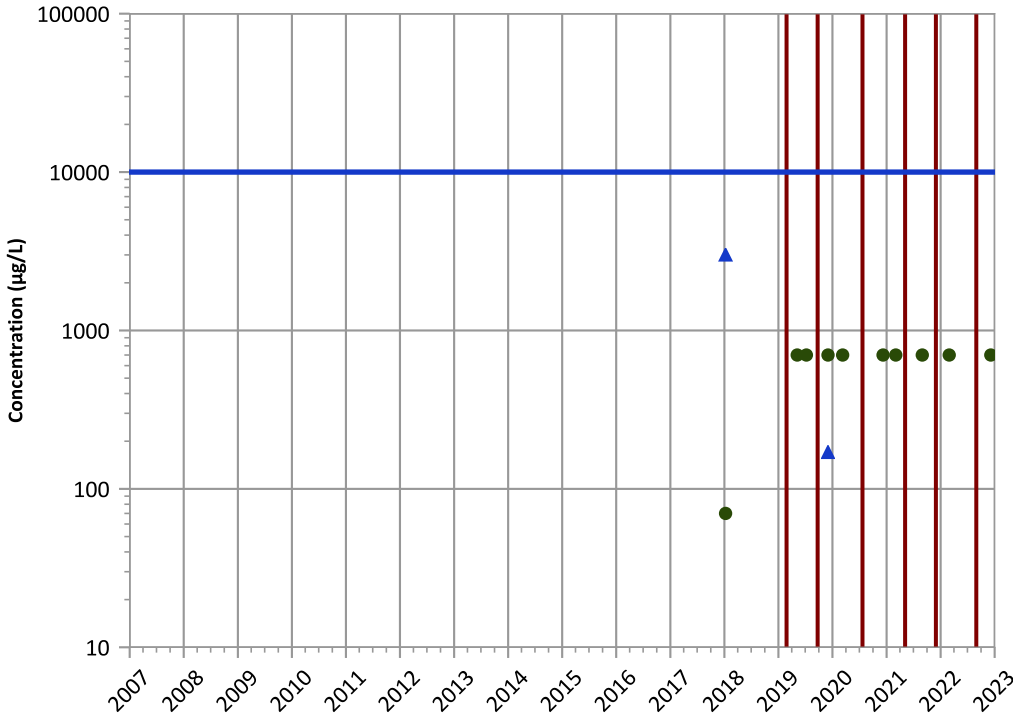


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/09/2018 to 12/06/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB317 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

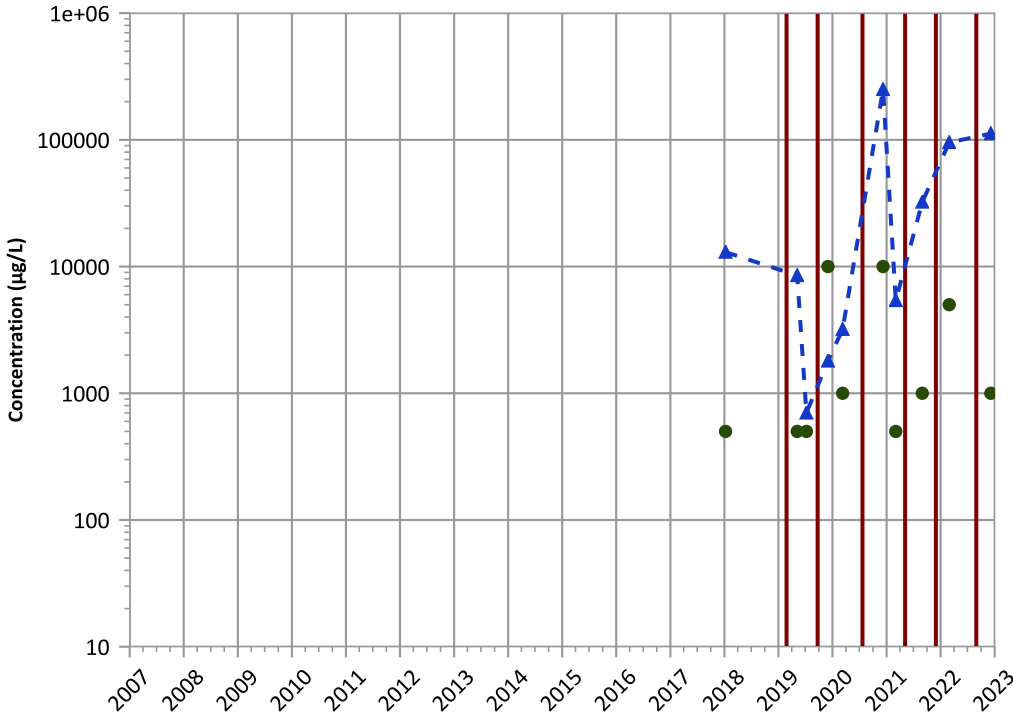


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sulfate (as SO4) Trend

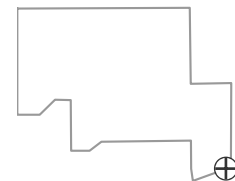


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

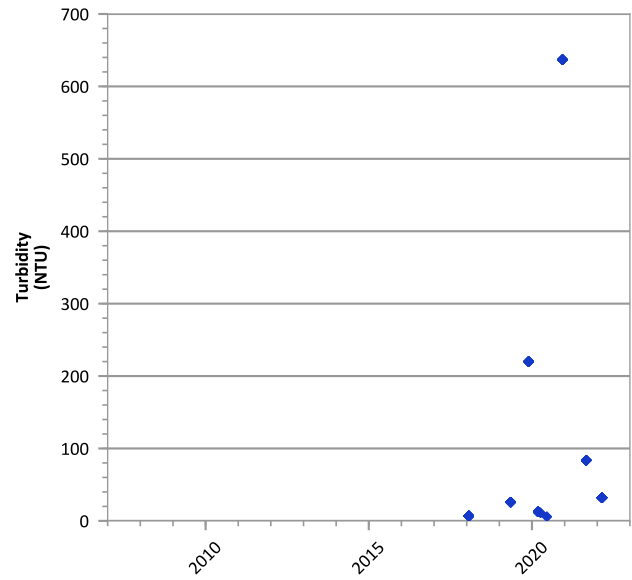
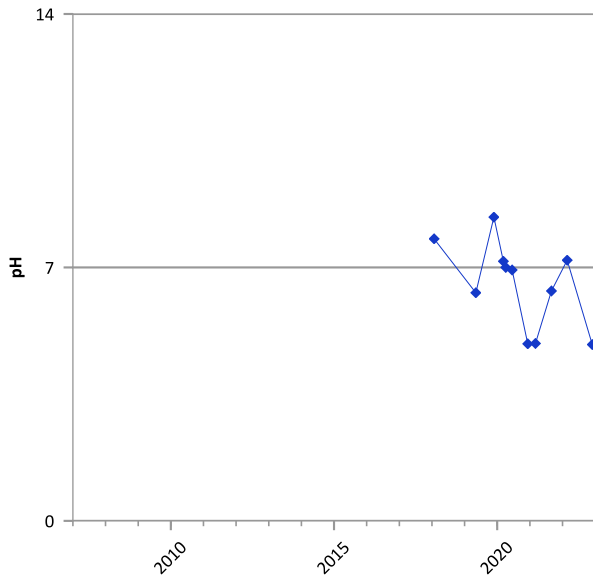
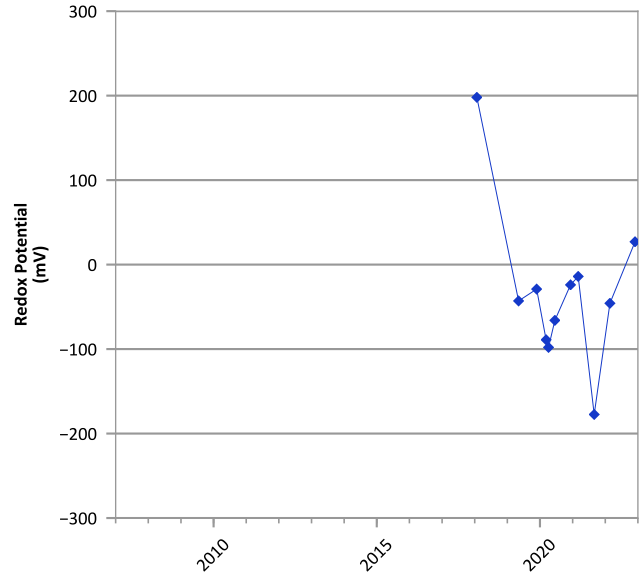
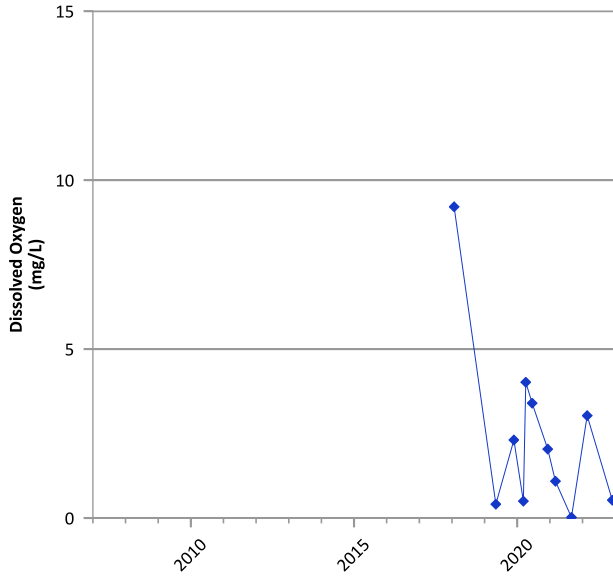
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/09/2018 to 12/06/2022  
Analysis Date: 04/24/2023

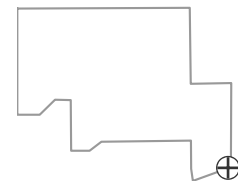
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-ISB321 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 01/25/2018 to 11/30/2022  
 Analysis Date: 04/24/2023

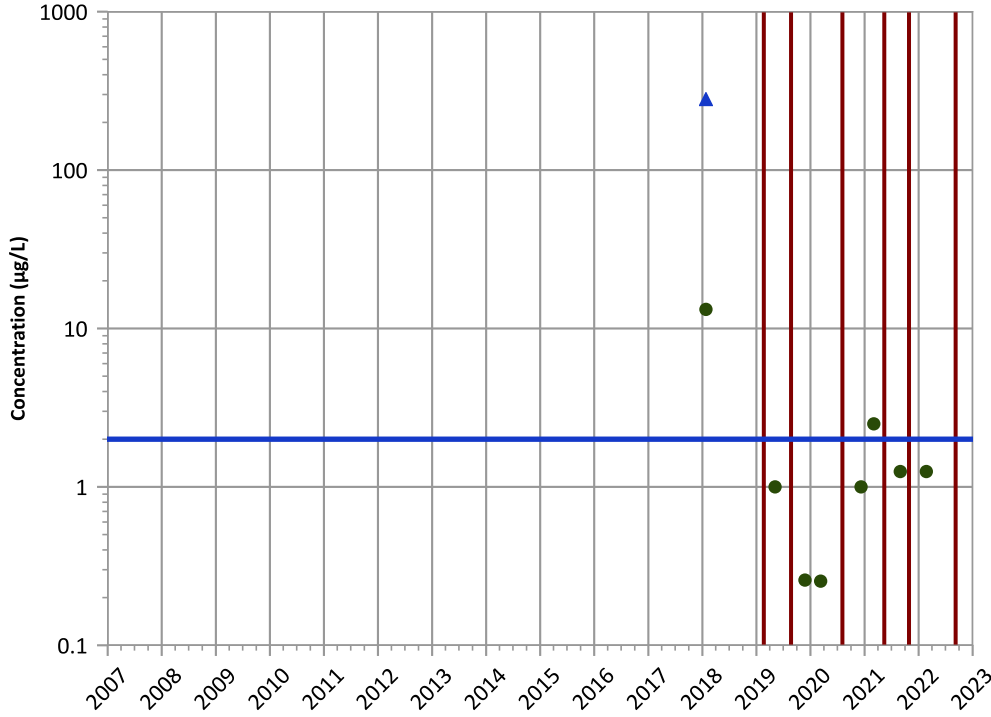
**Well Location**





PTX06-ISB321 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

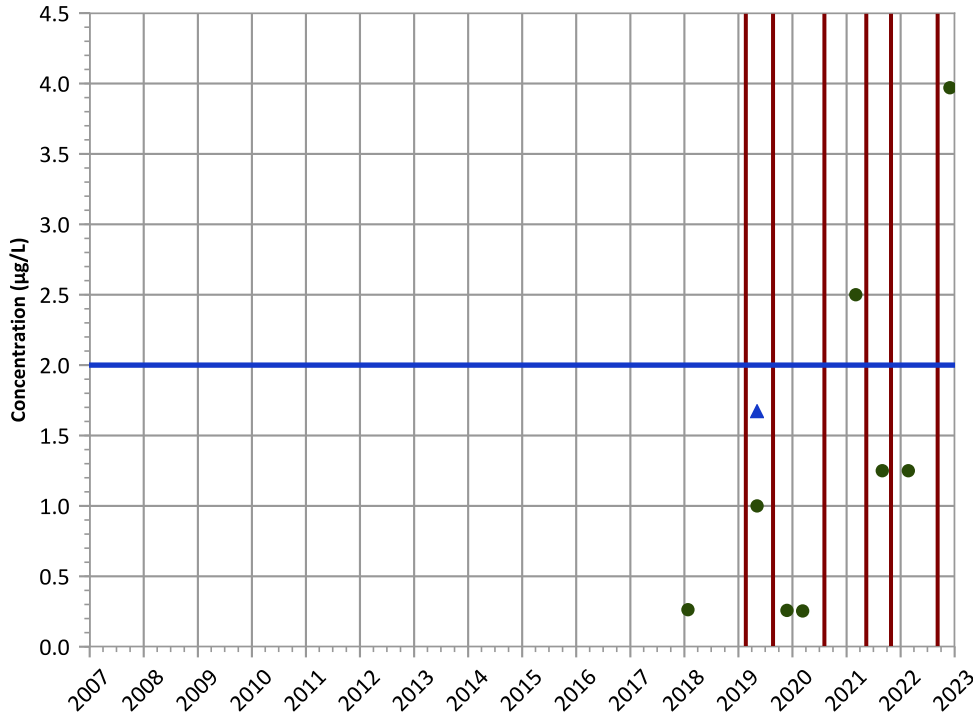


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

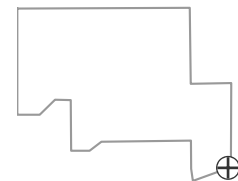


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

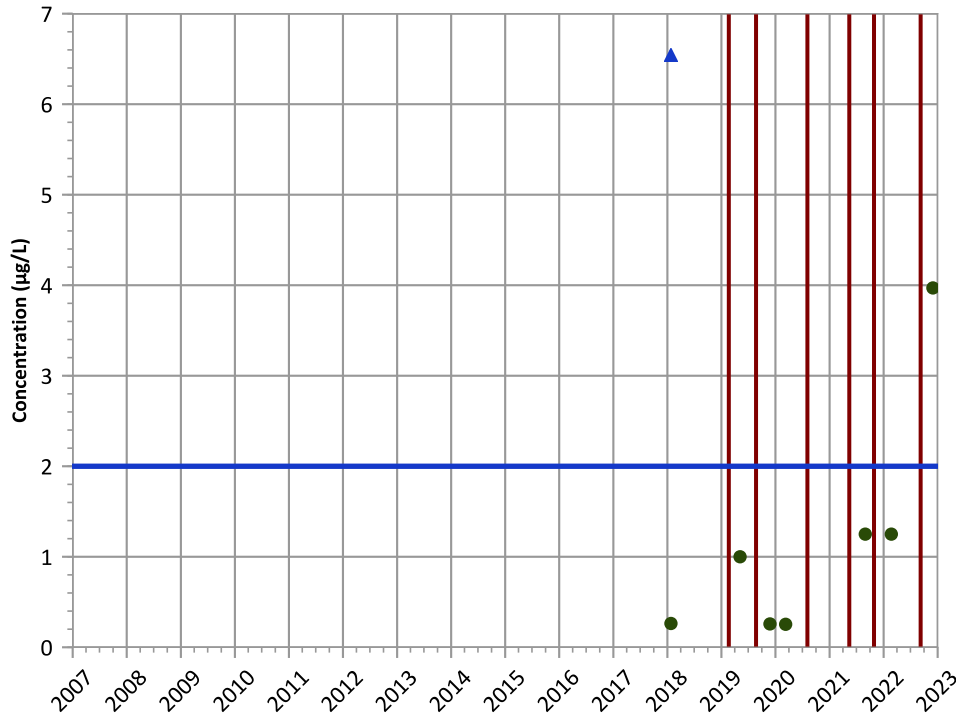


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/25/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB321 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

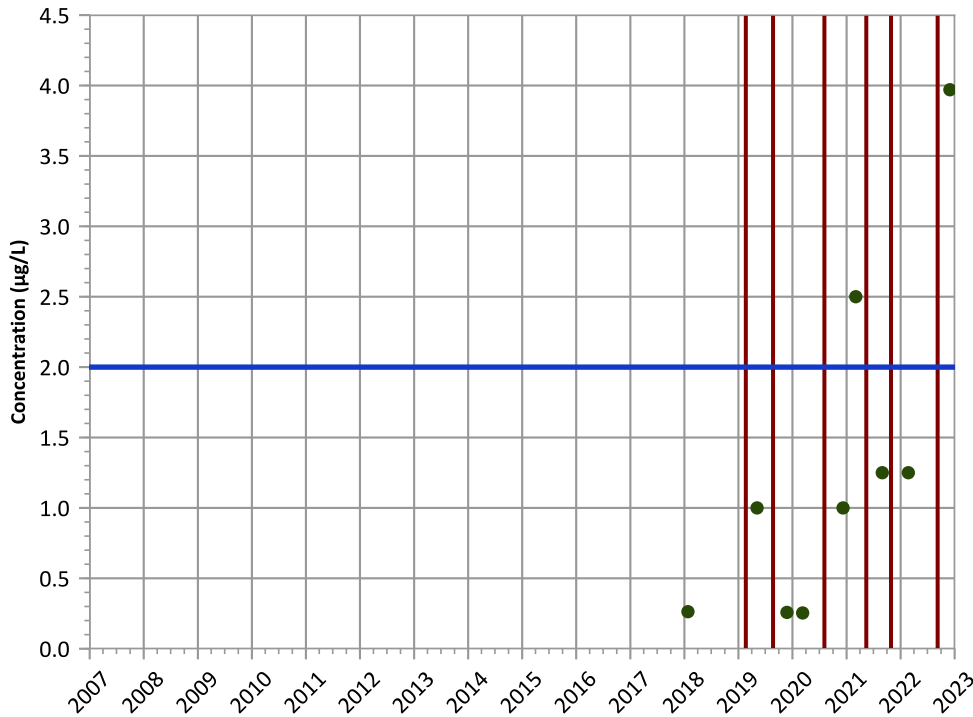


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

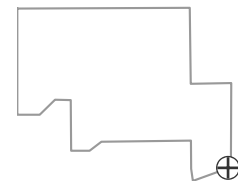


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

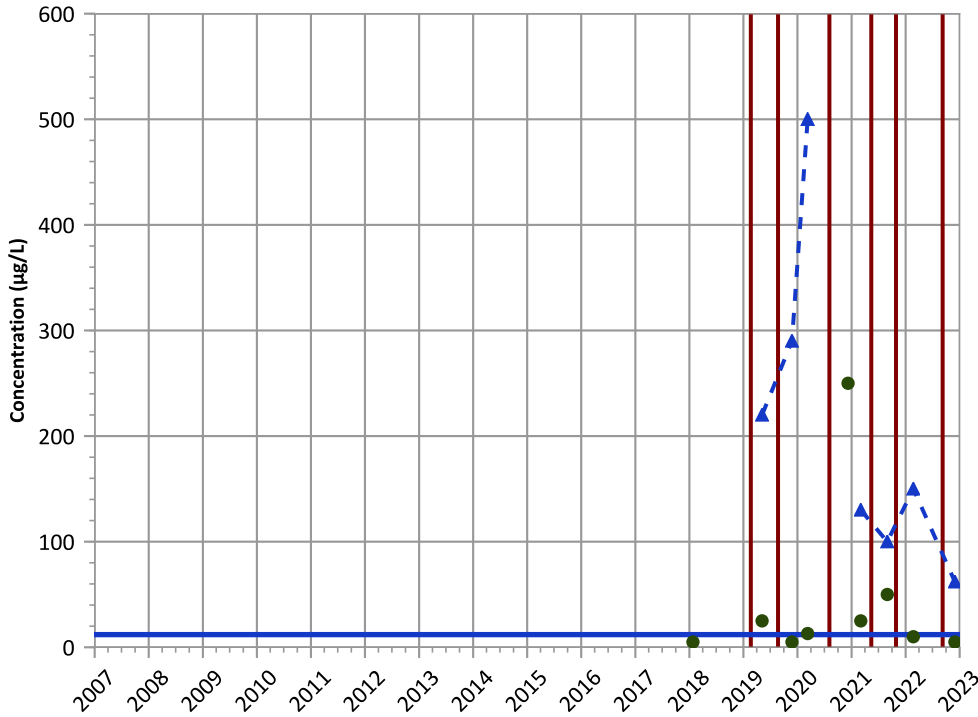


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/25/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB321 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

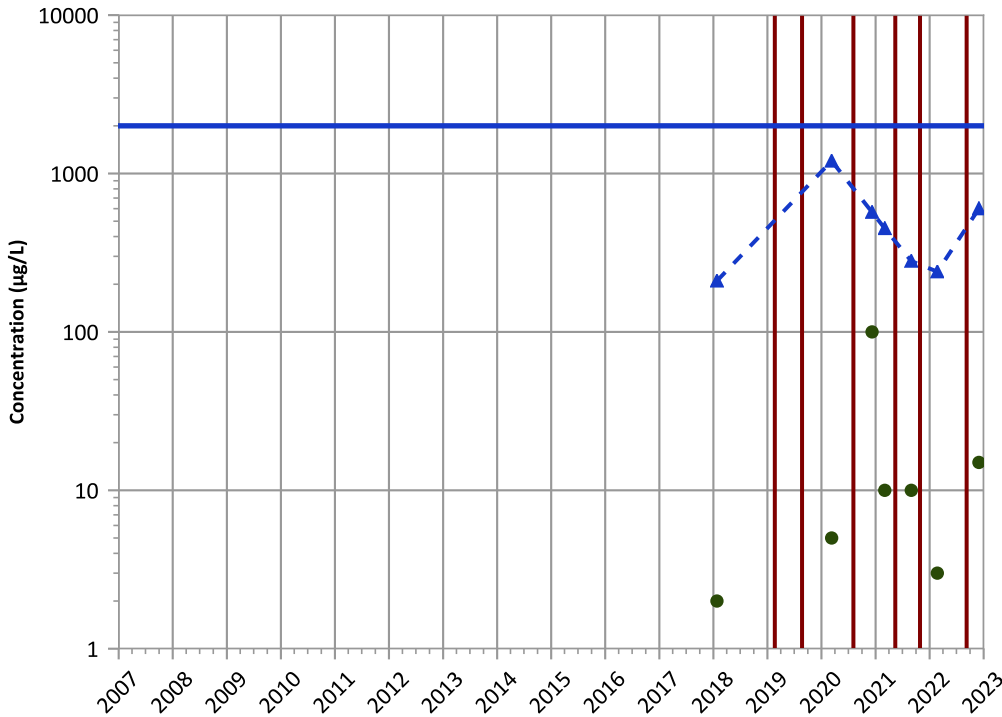


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Barium Trend

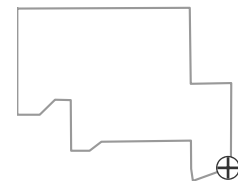


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

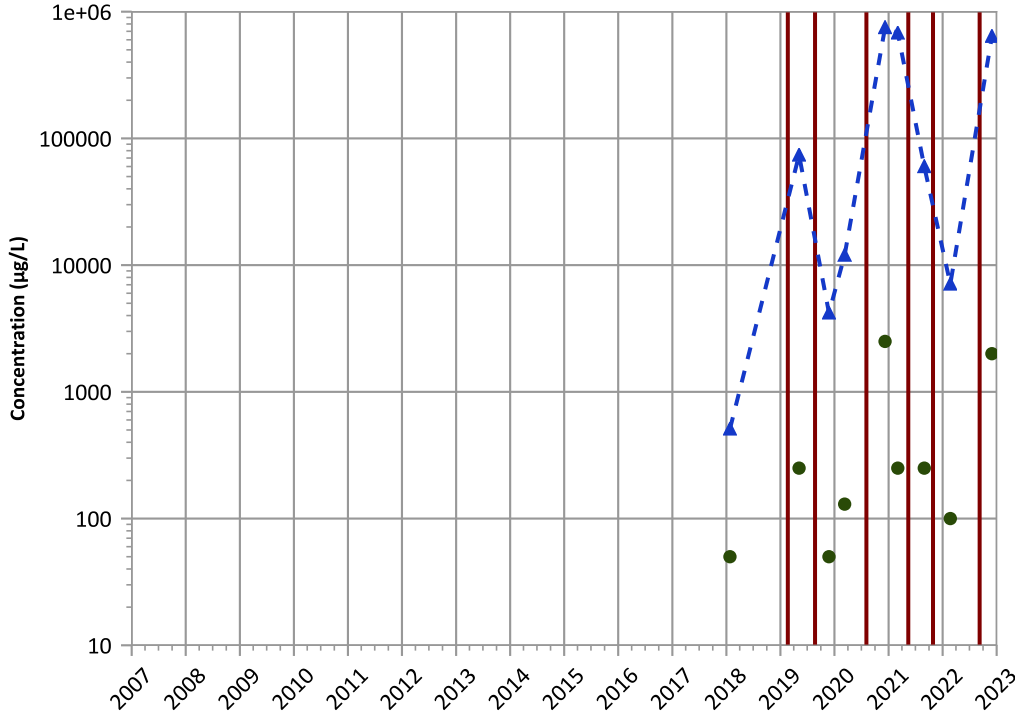


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/25/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB321 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

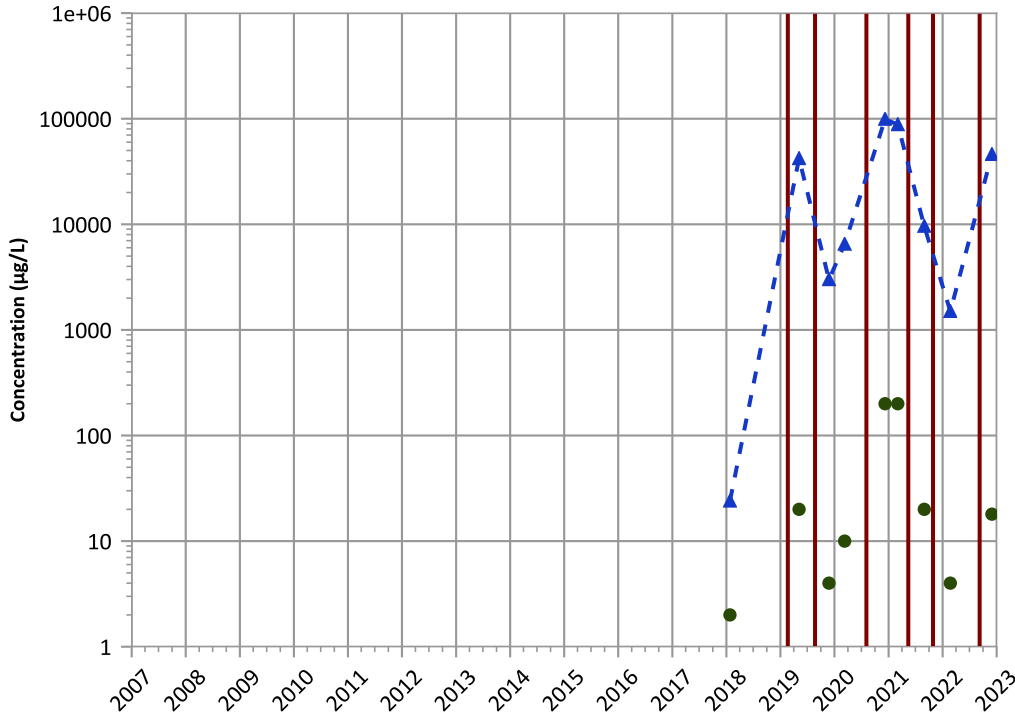


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Manganese Trend

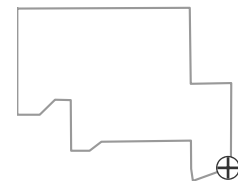


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Well Location

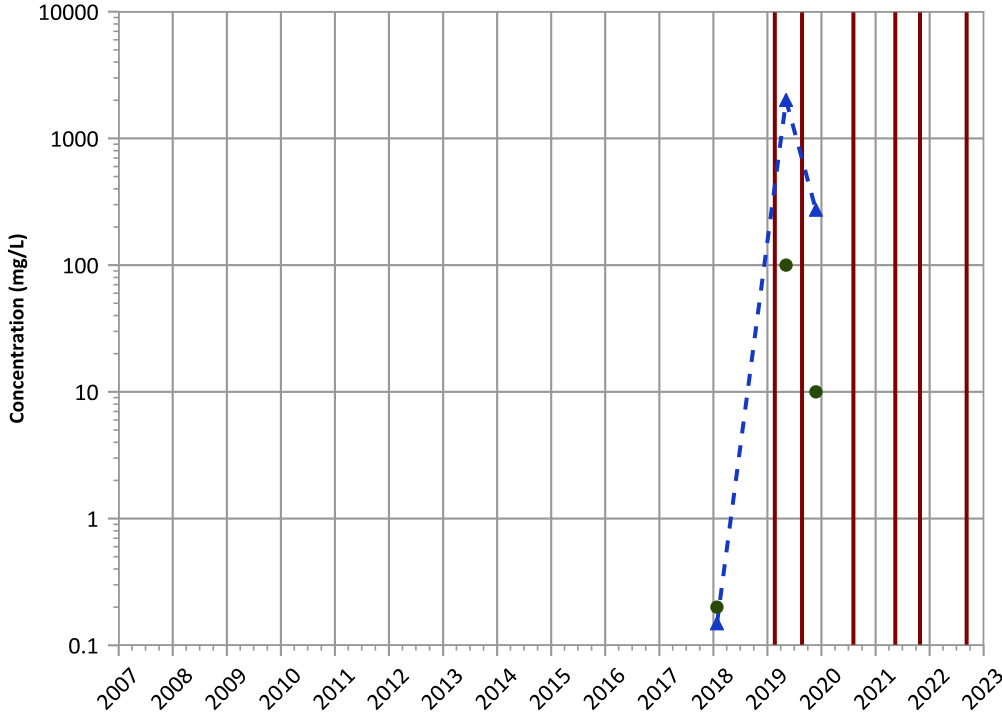


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/25/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB321 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

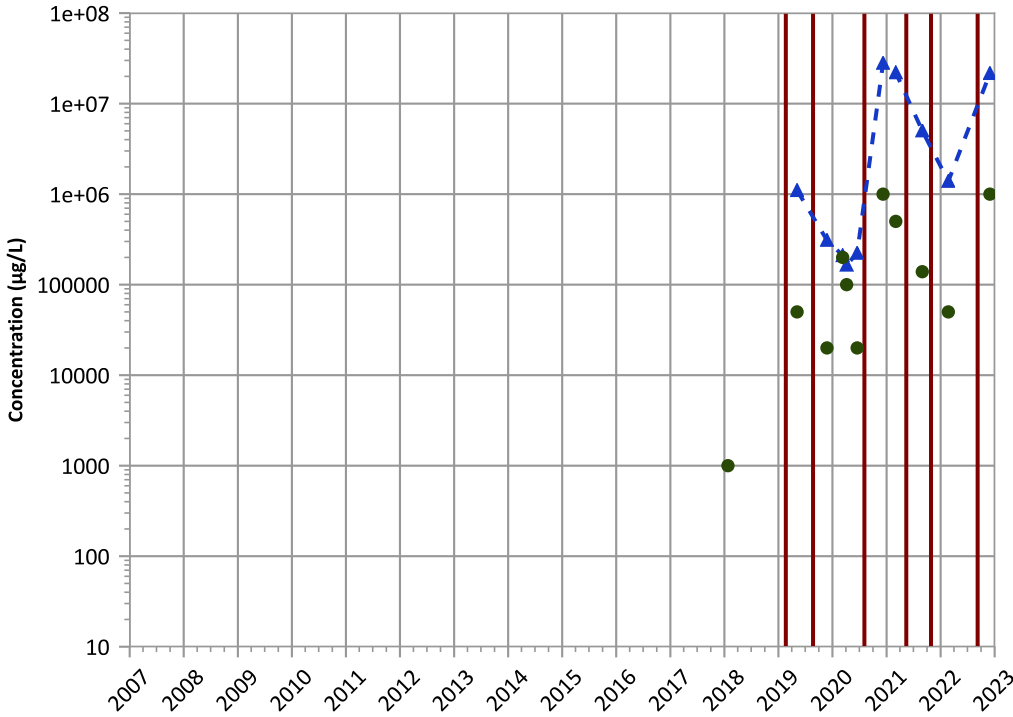
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

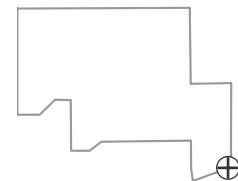
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Well Location

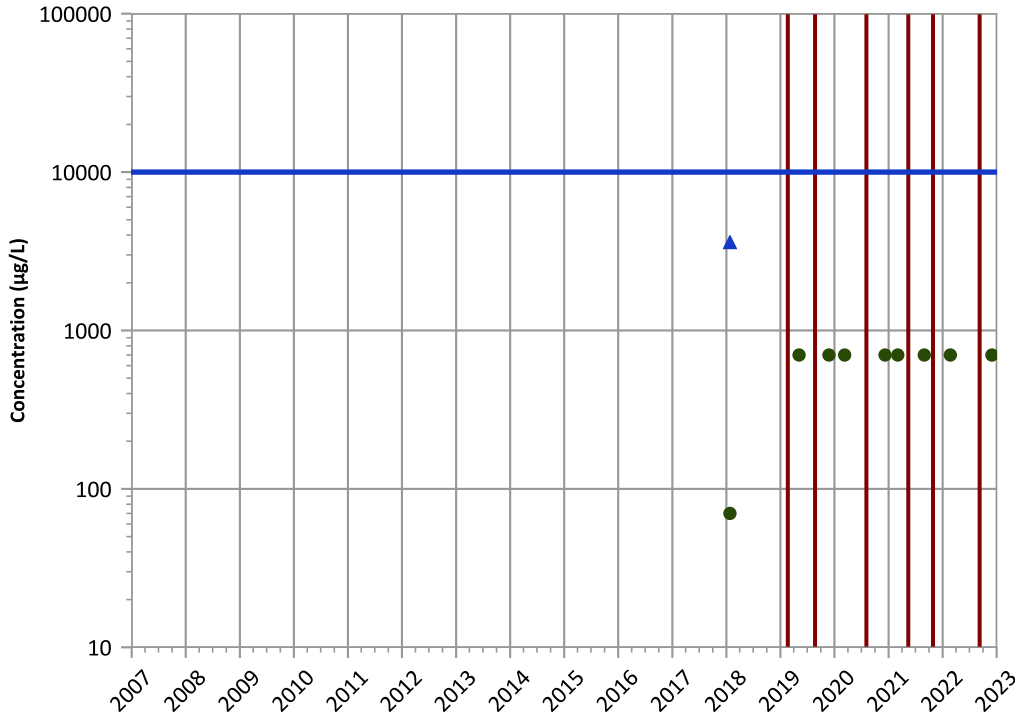


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/25/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB321 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

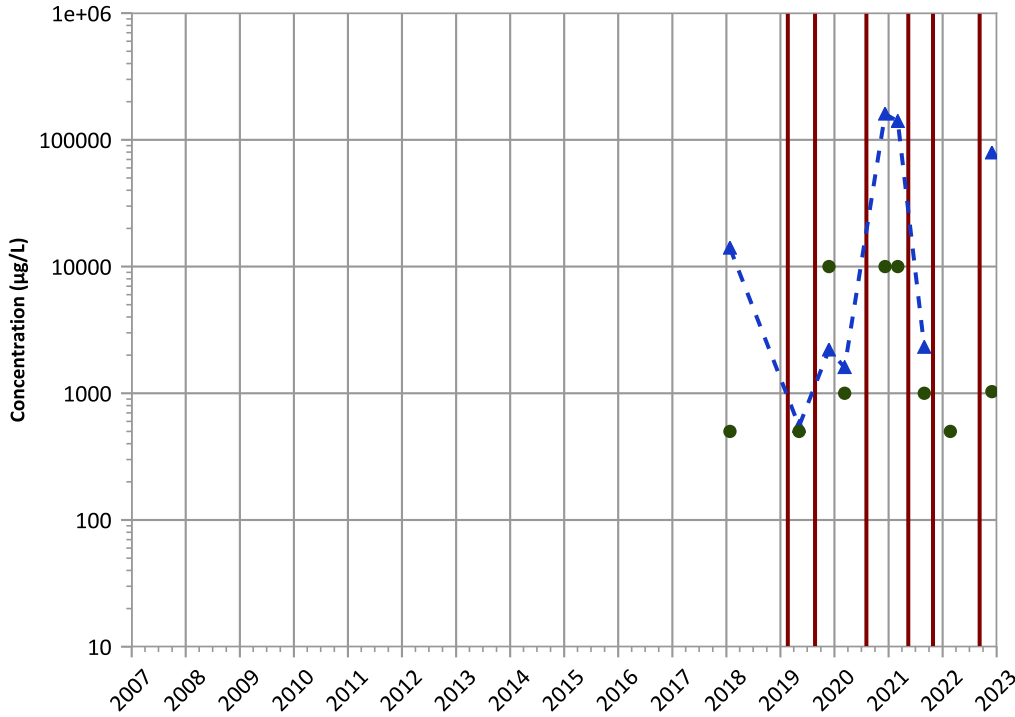


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sulfate (as SO4) Trend

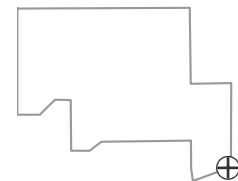


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

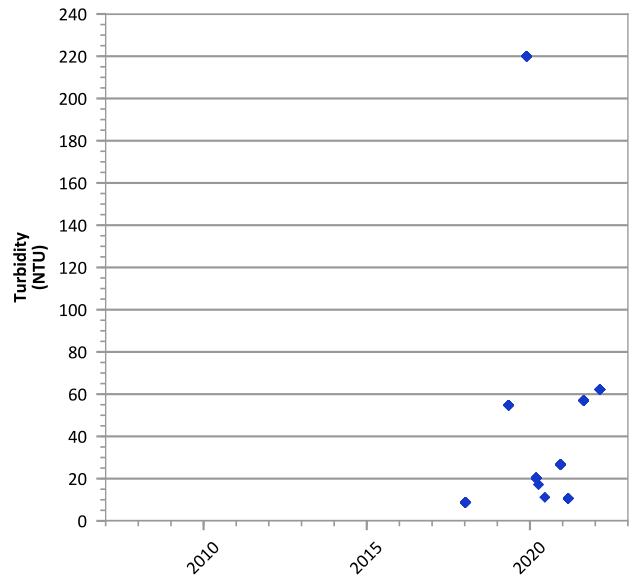
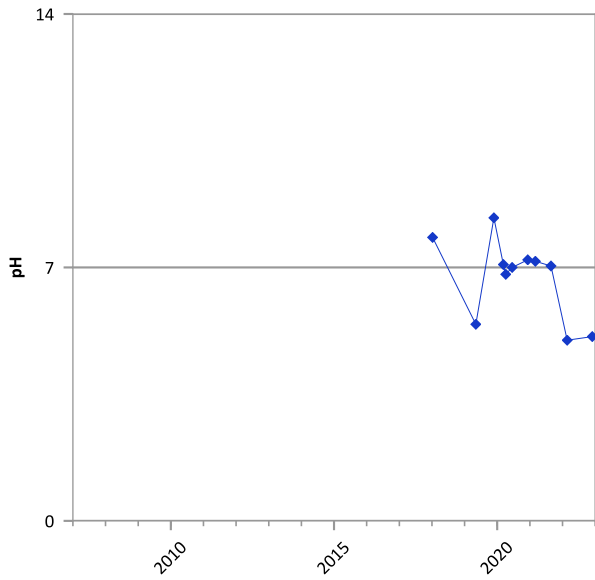
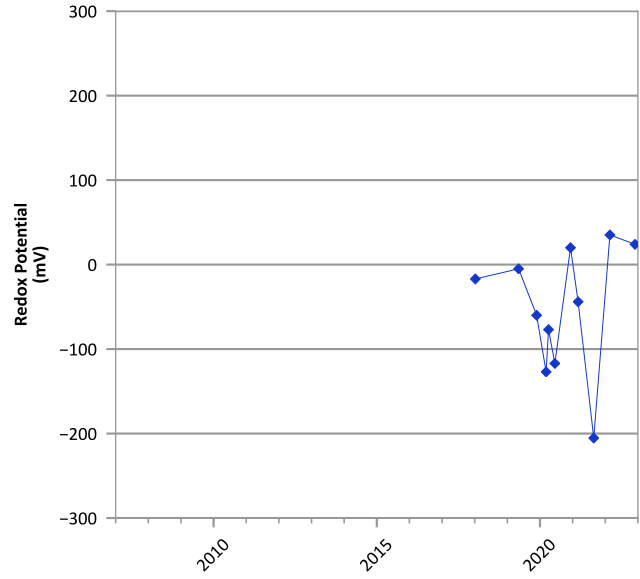
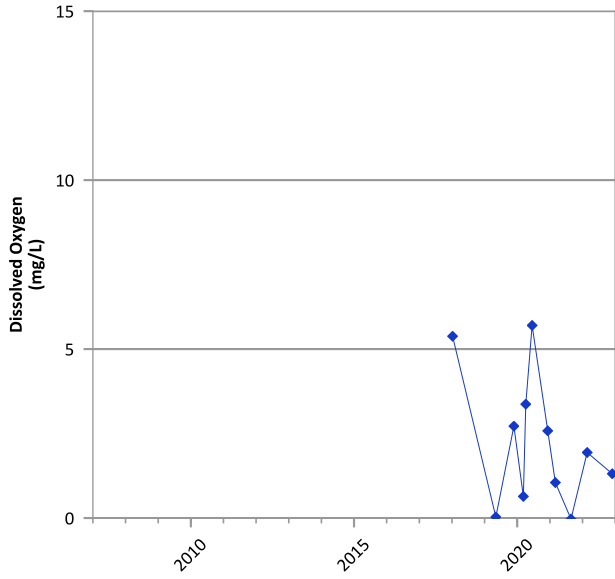
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/25/2018 to 11/30/2022  
Analysis Date: 04/24/2023

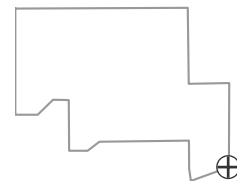
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-ISB325 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



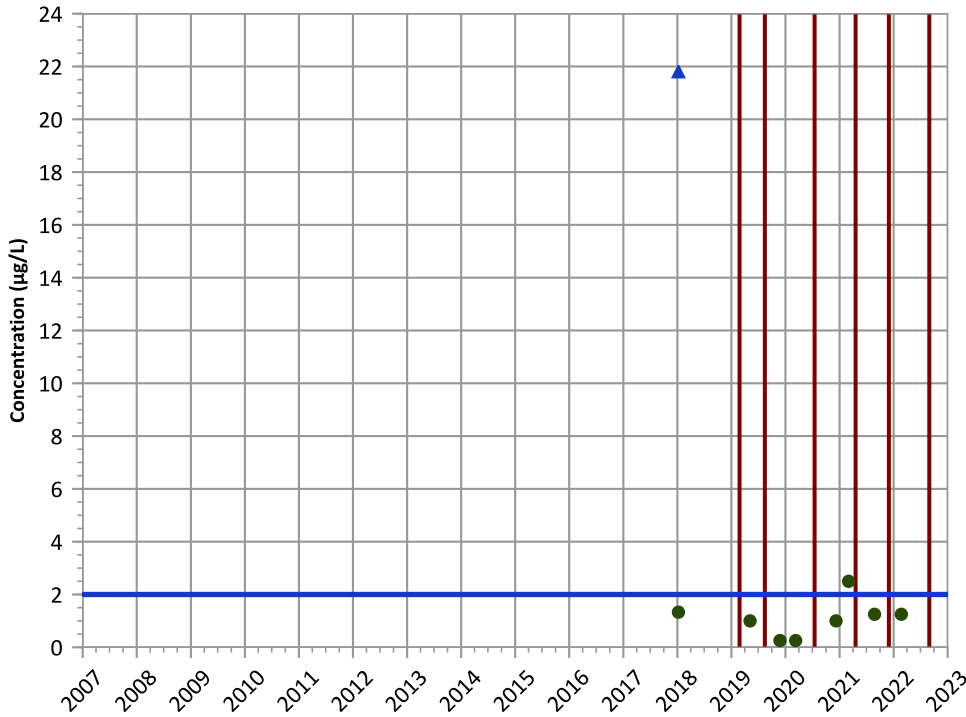
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 01/08/2018 to 11/30/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB325 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

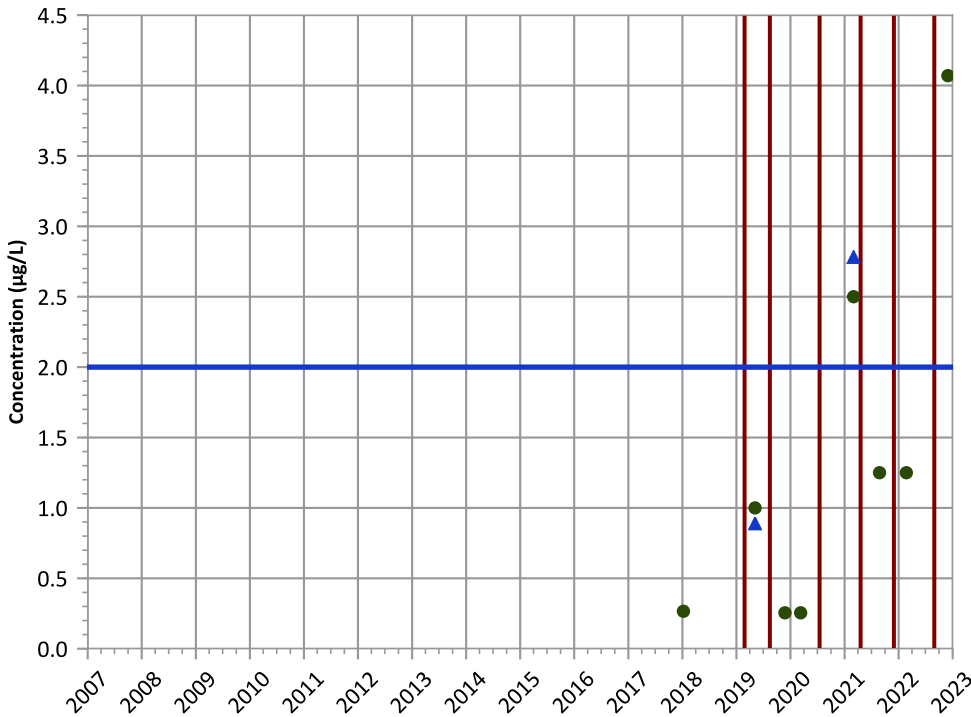


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location



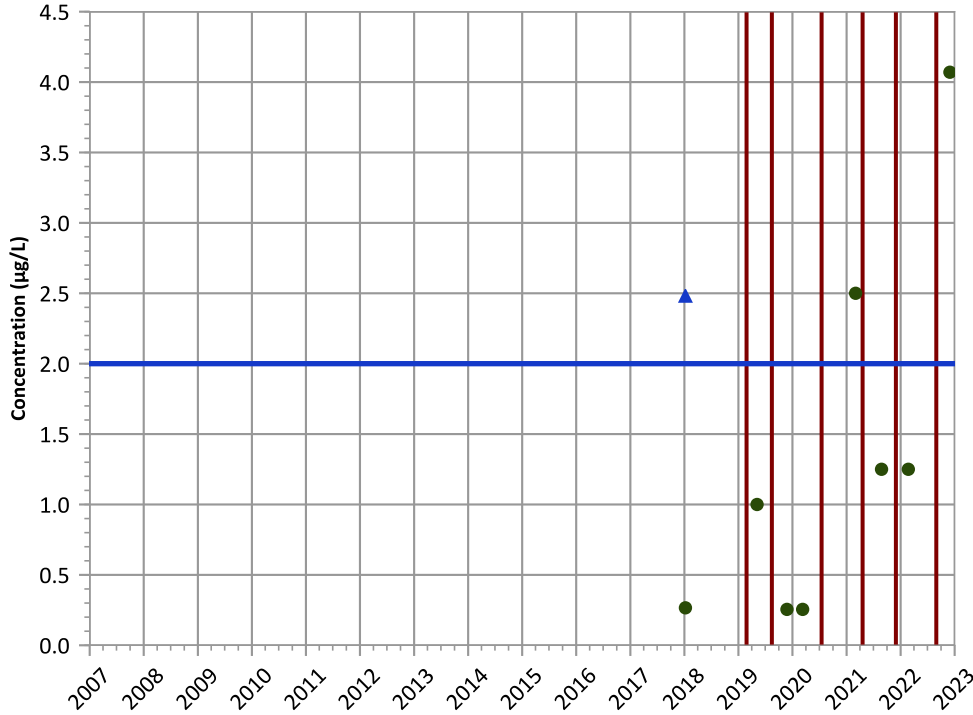
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/08/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-ISB325 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

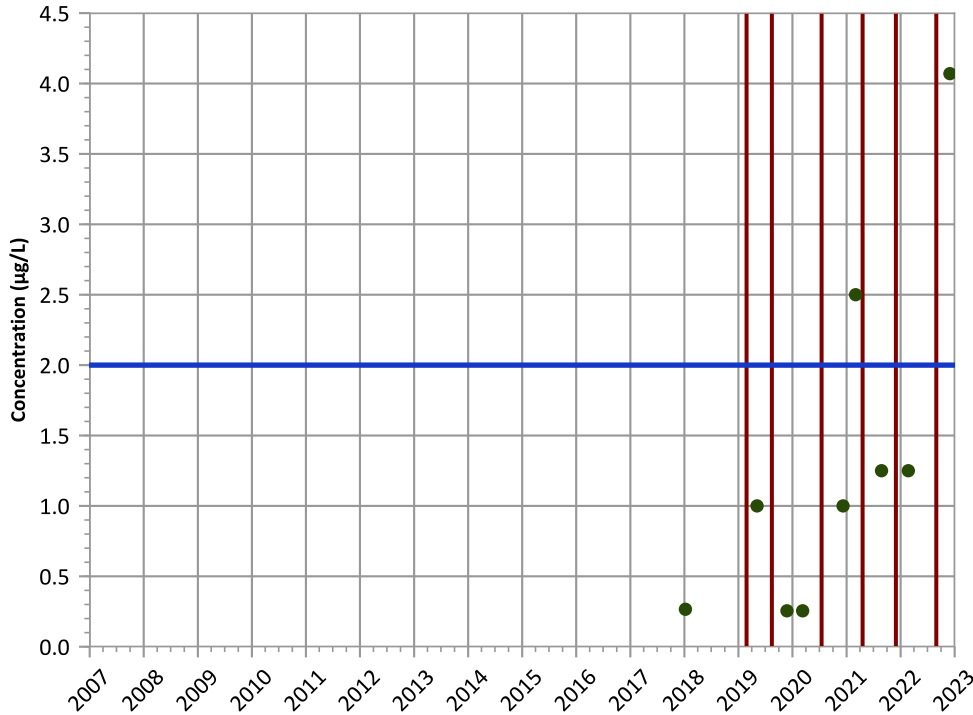


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

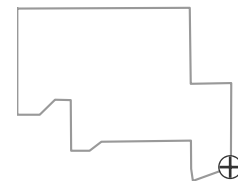


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

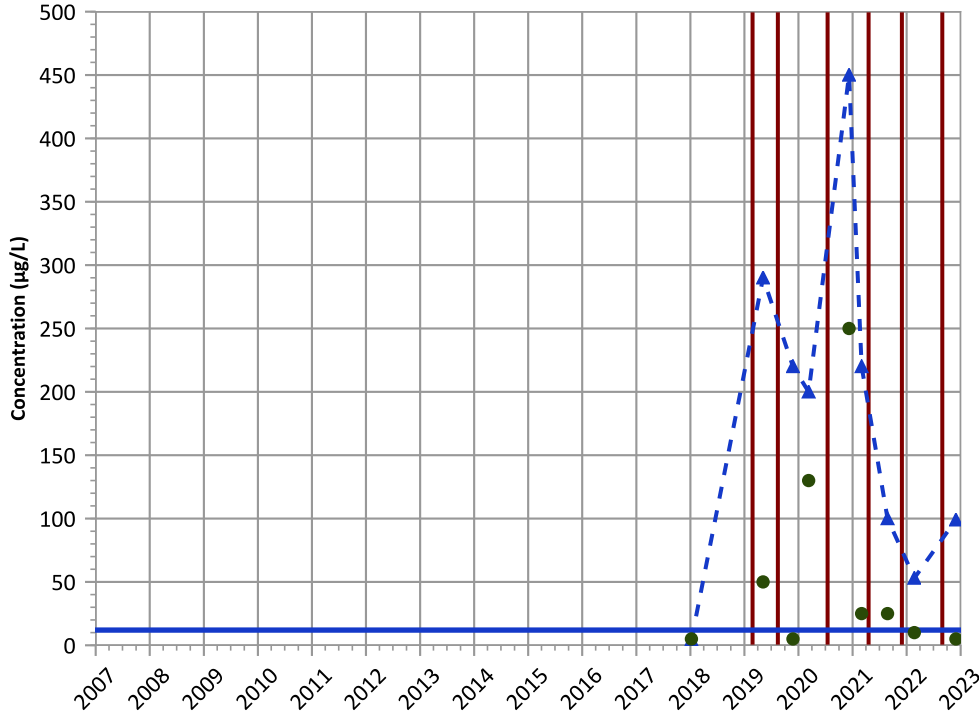


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/08/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB325 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

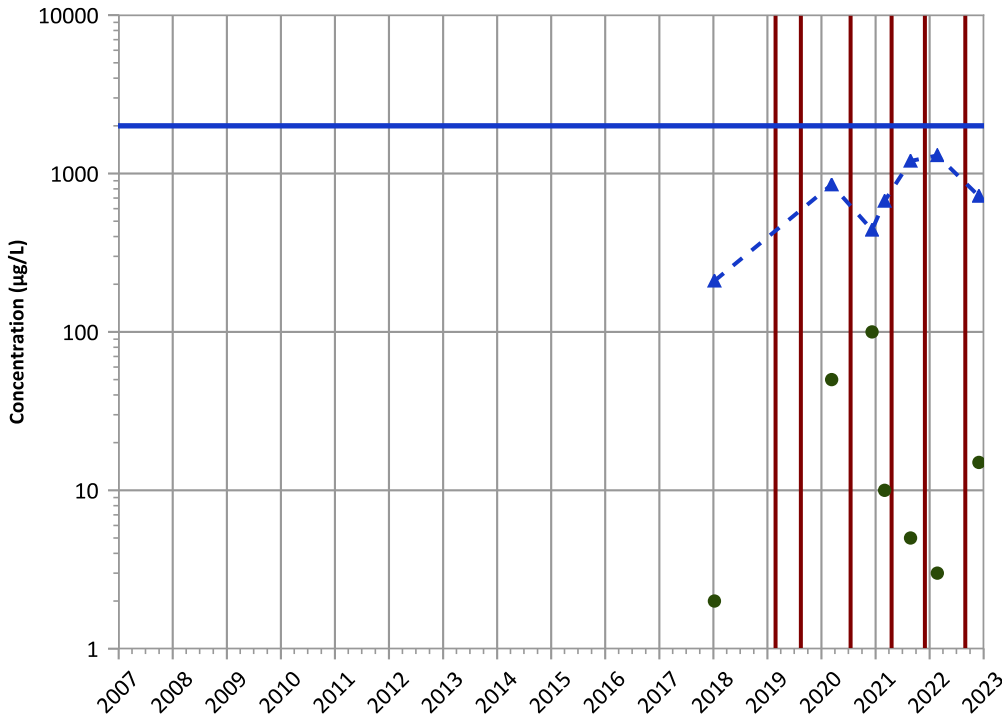


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Decreasing

Barium Trend

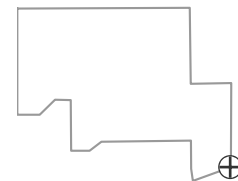


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

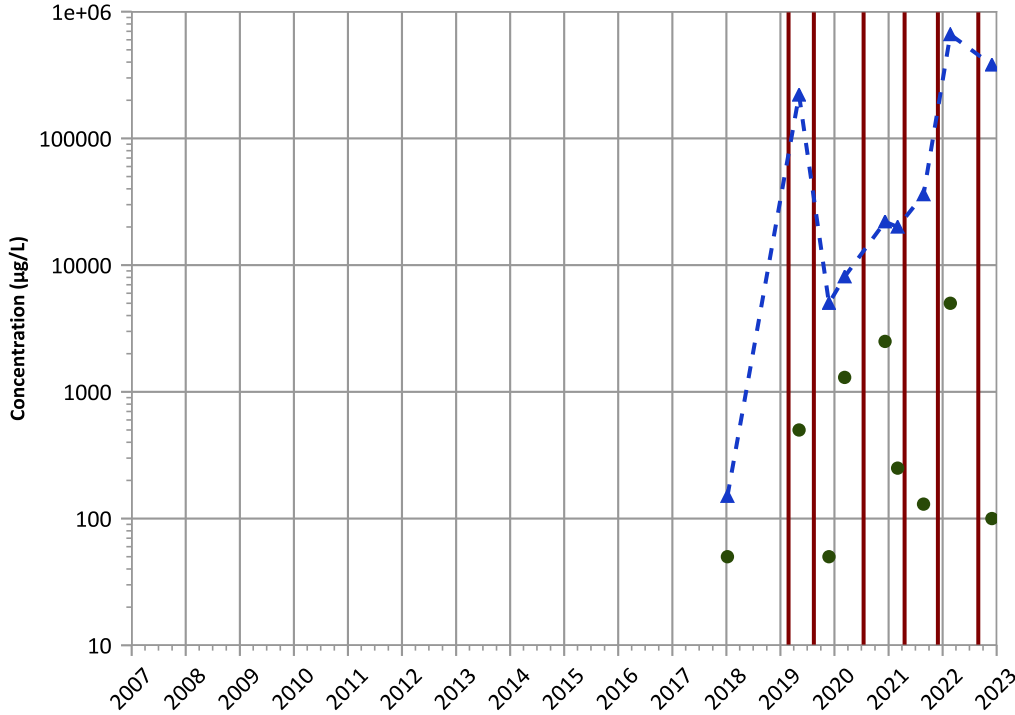


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/08/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB325 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

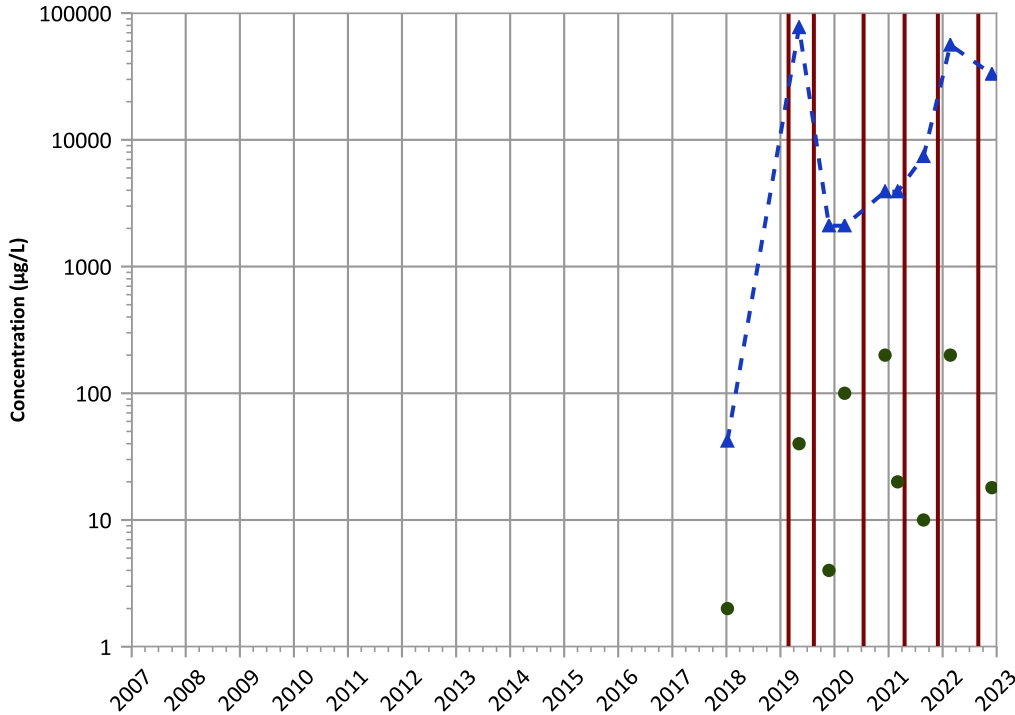
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

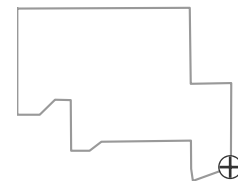
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Well Location

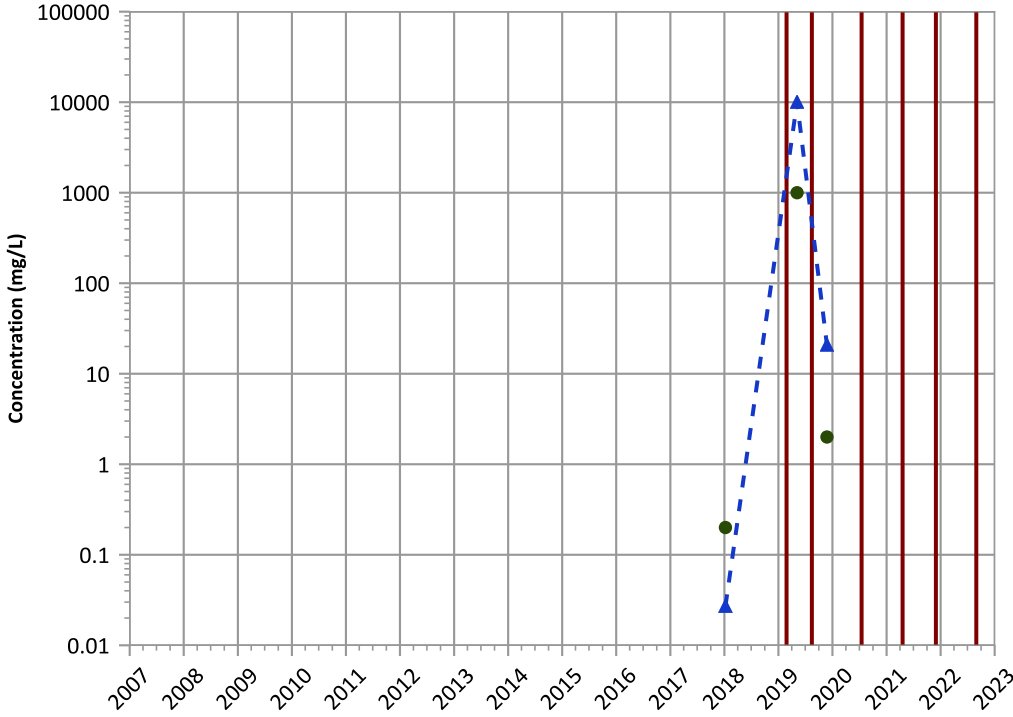


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/08/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB325 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend

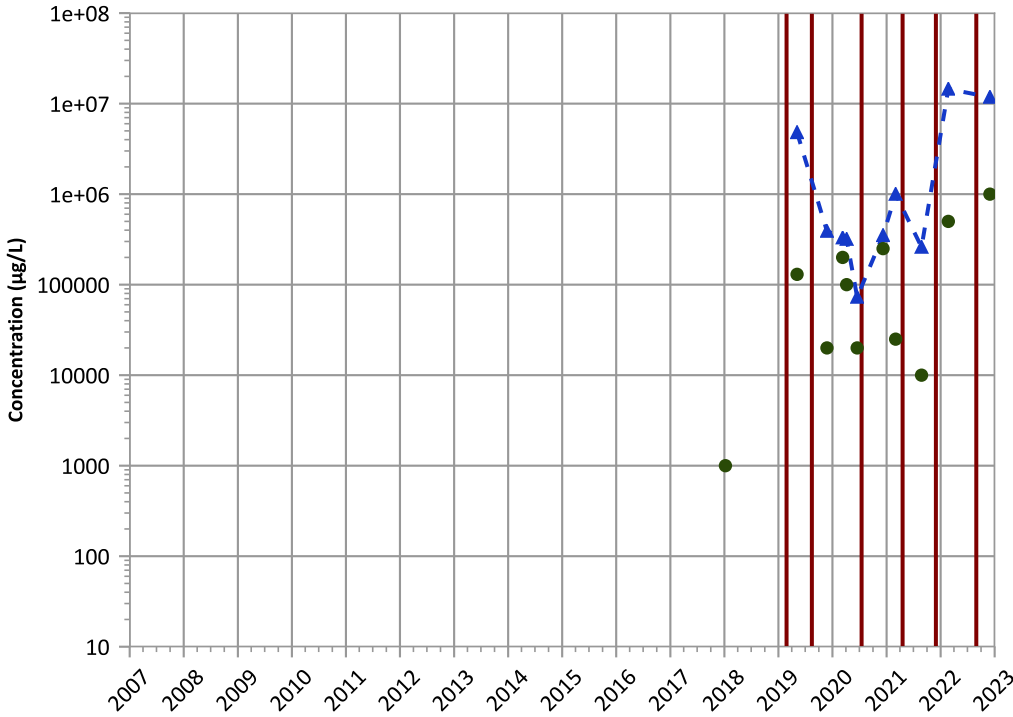


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Total Organic Carbon Trend

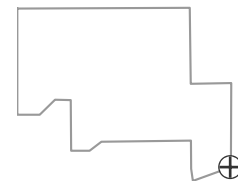


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Well Location

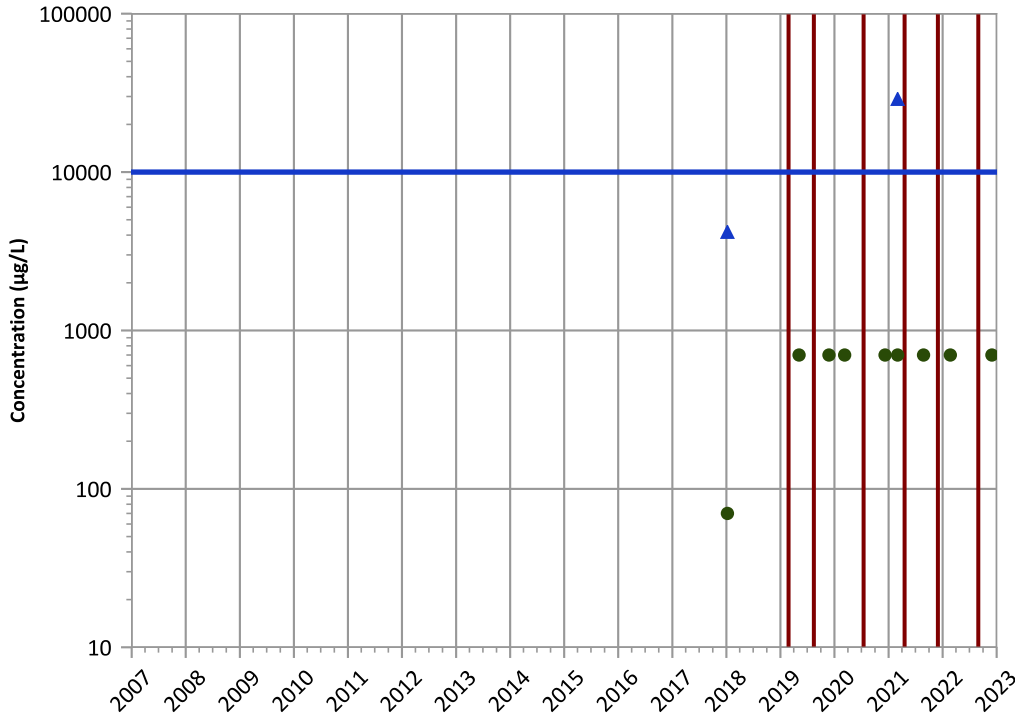


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/08/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB325 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nitrate as N Trend

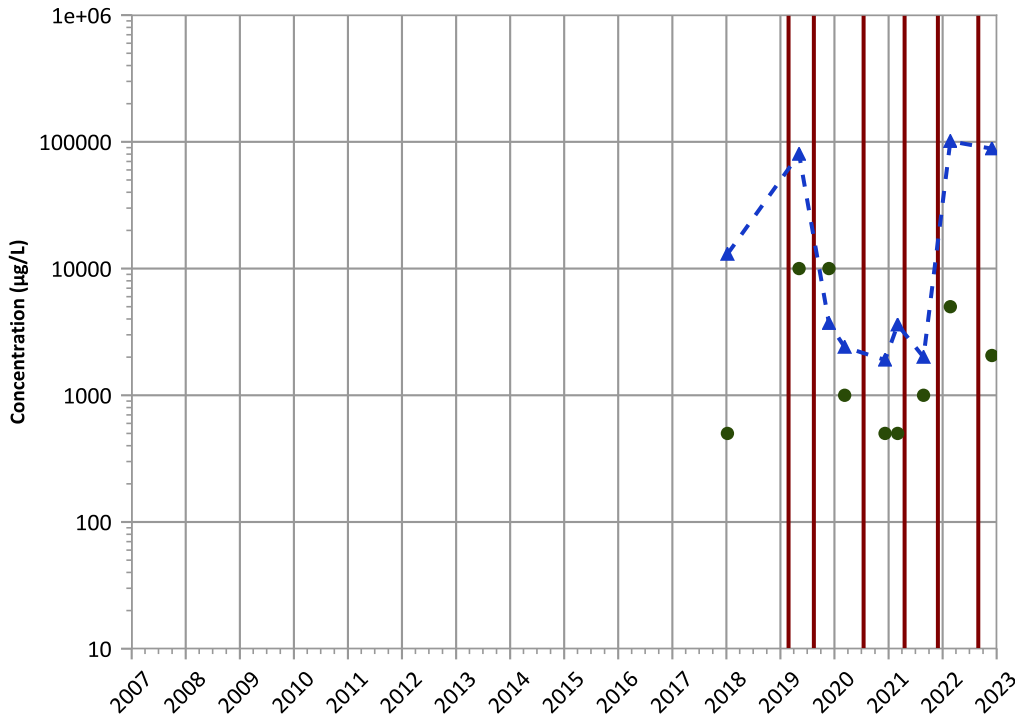


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Sulfate (as SO4) Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

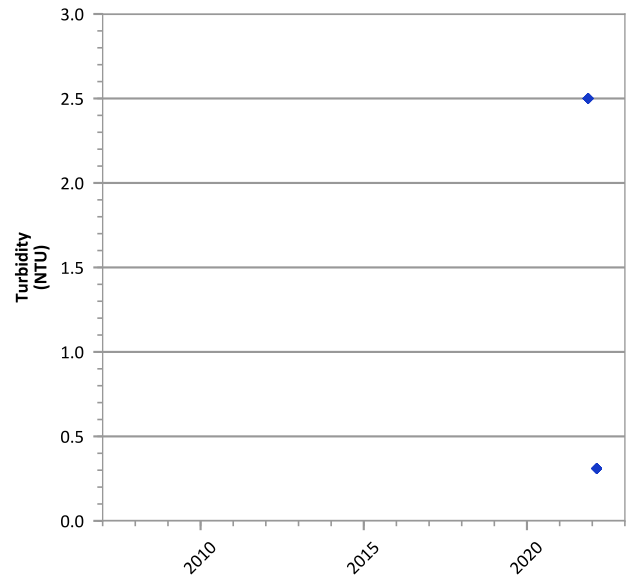
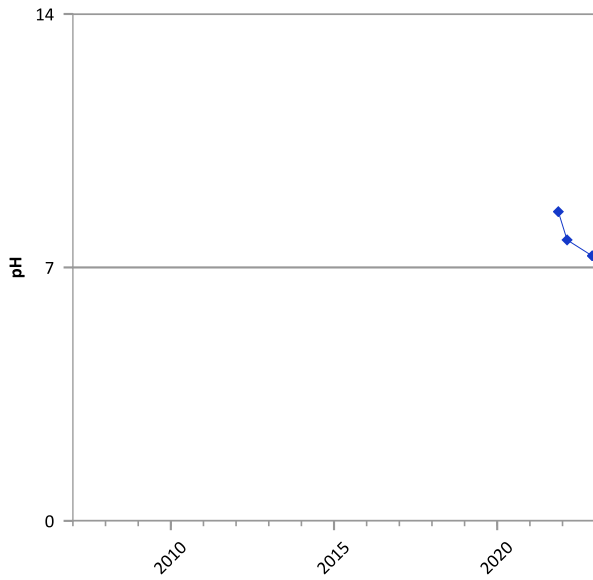
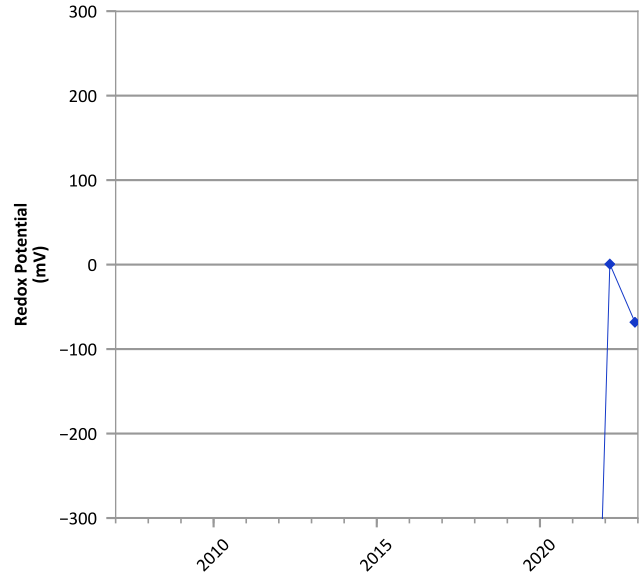
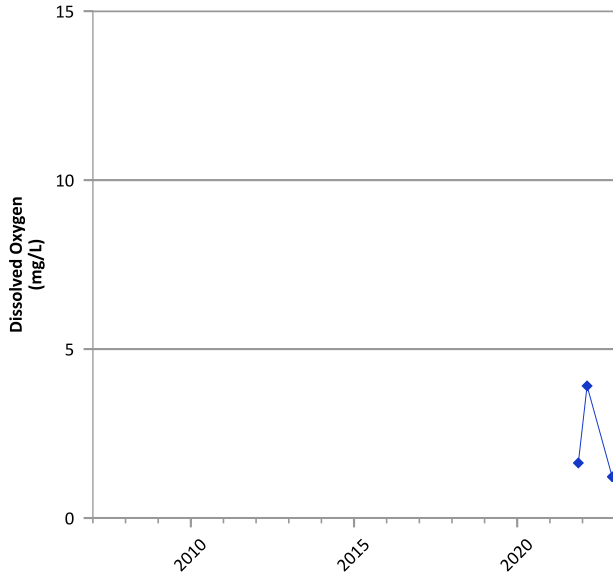
Well Location



Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 01/08/2018 to 11/30/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**PTX06-ISB331 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



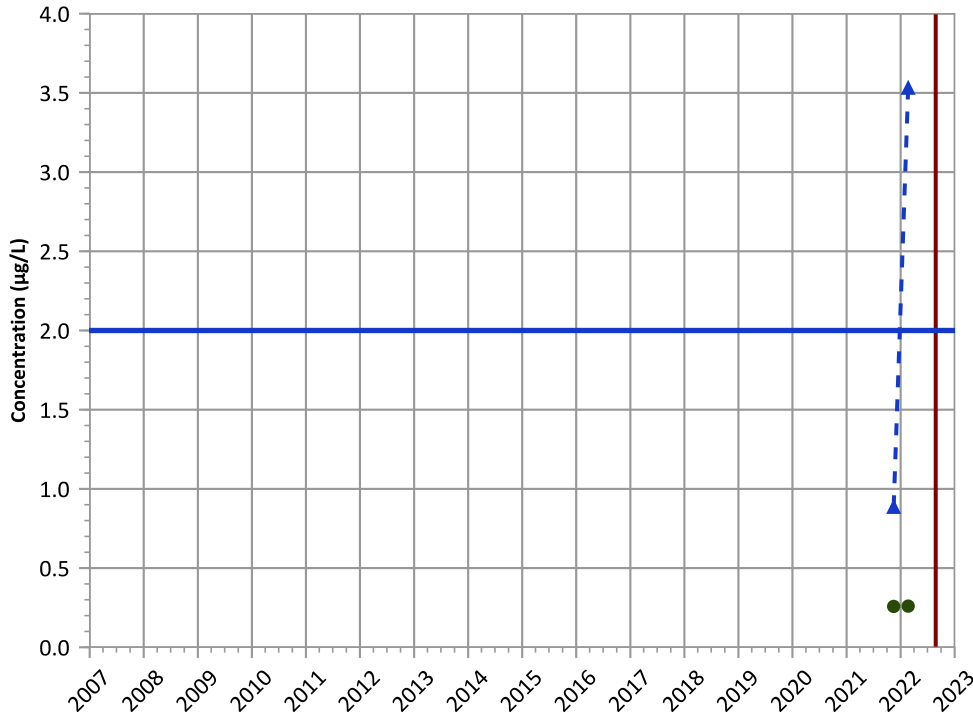
Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 11/15/2021 to 11/29/2022  
 Analysis Date: 04/24/2023

**Well Location**



PTX06-ISB331 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

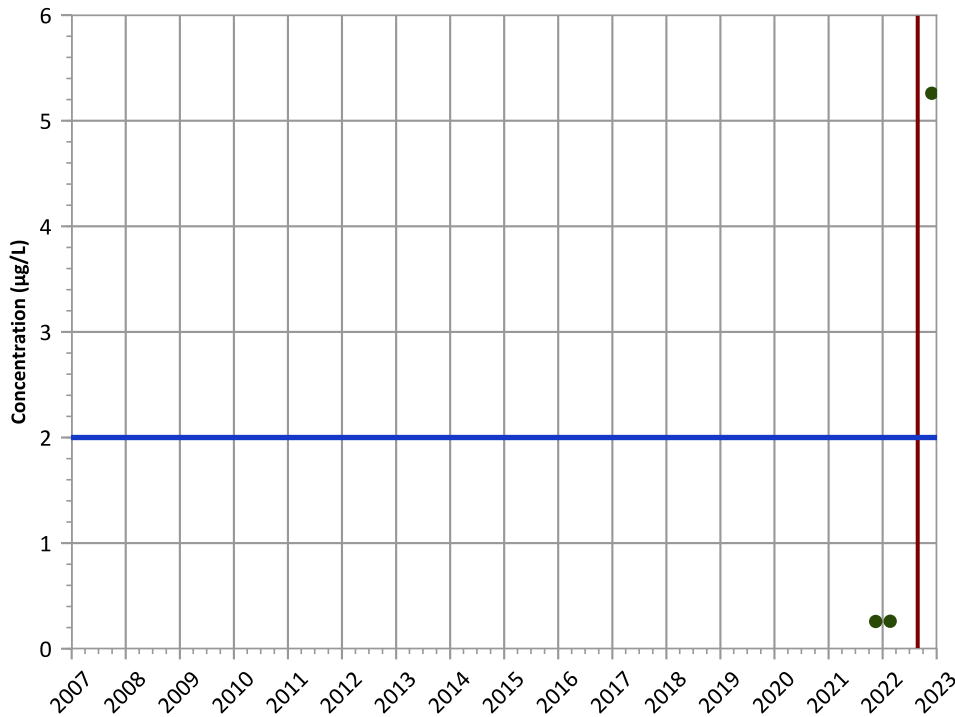
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

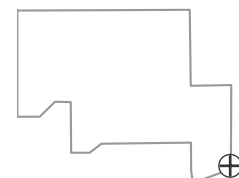
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location

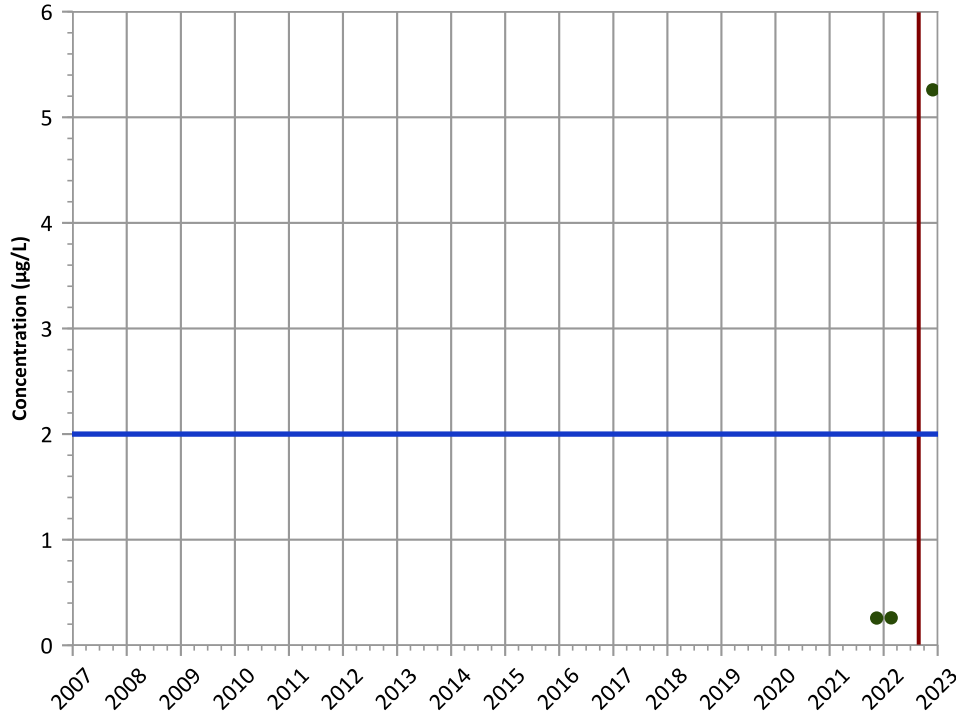


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/29/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB331 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

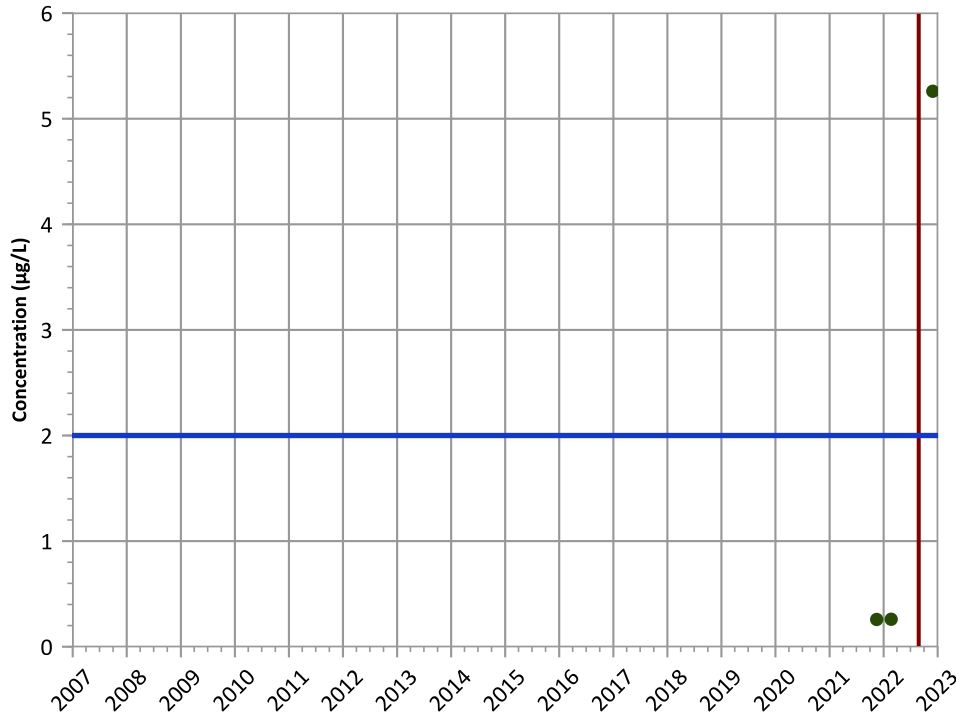
Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

All Non-Detect

Well Location



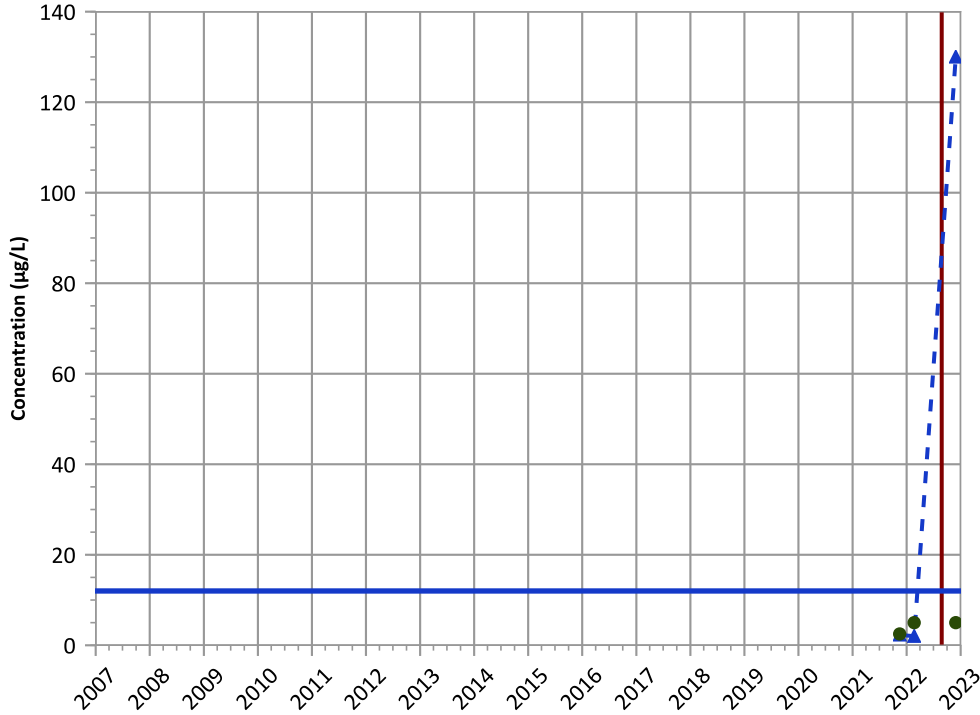
Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/29/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates



PTX06-ISB331 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

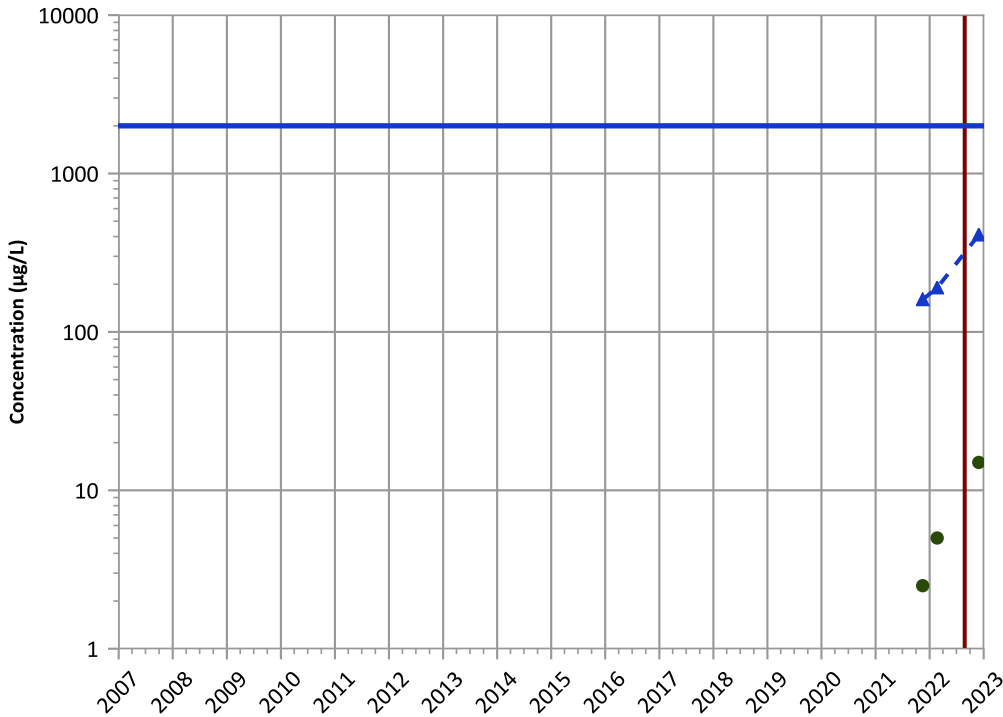


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Barium Trend

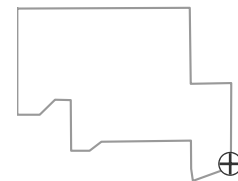


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

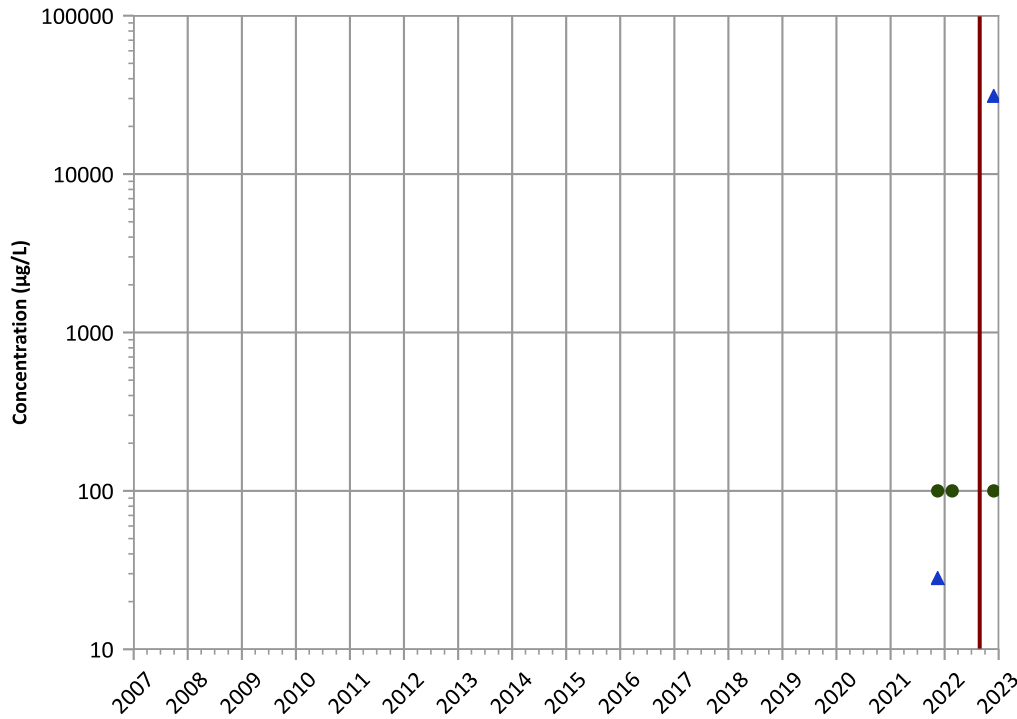


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/29/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB331 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

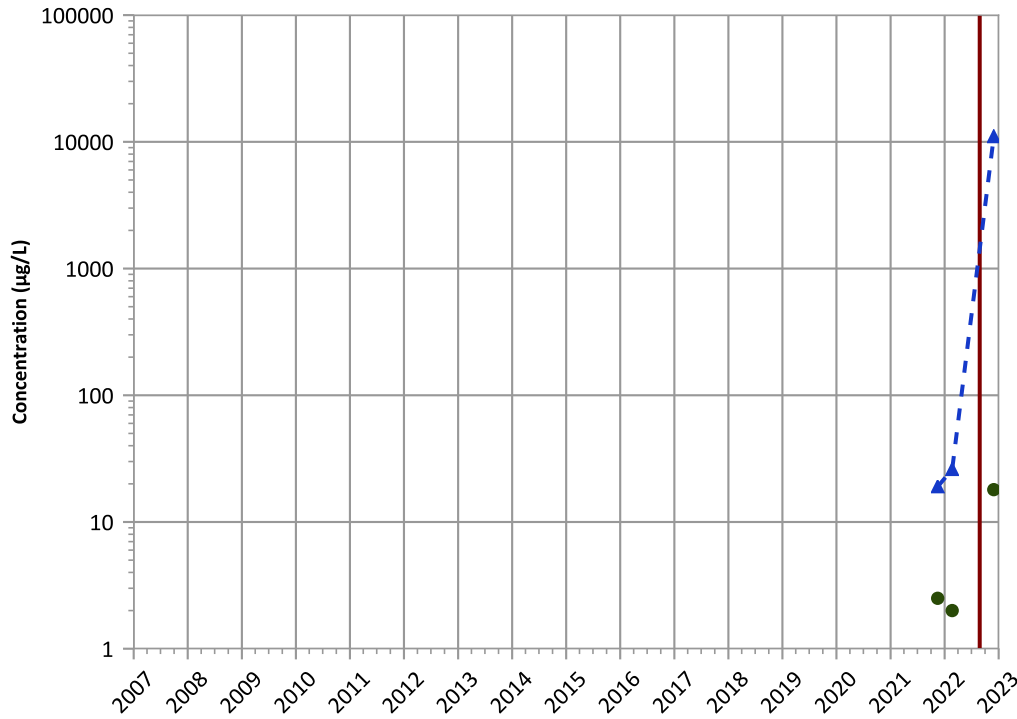


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Samples in Dataset)  
2020 - 2022 Data:  
N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

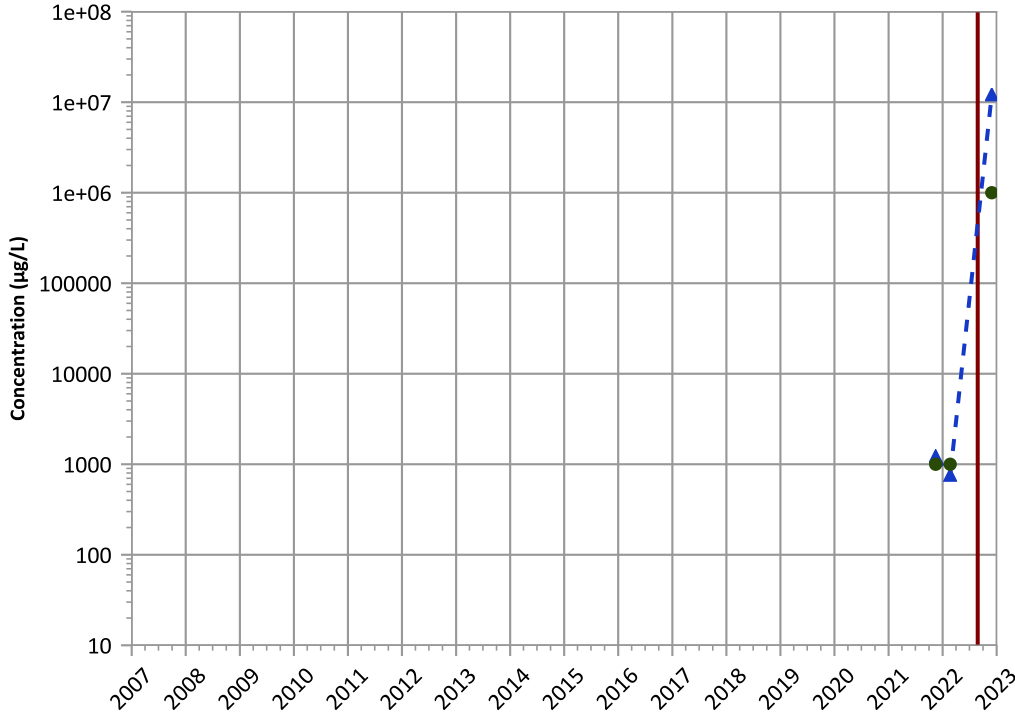


Query Date Range: 01/01/1999 to 12/31/2022  
Data Date Range: 11/15/2021 to 11/29/2022  
Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB331 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

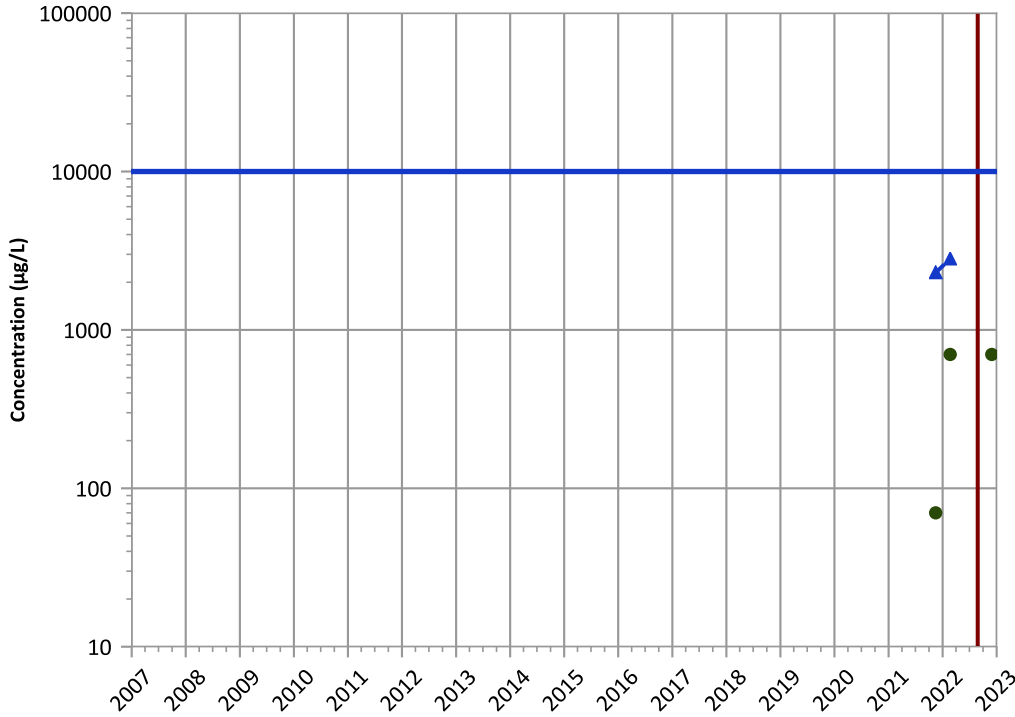
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Nitrate as N Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location



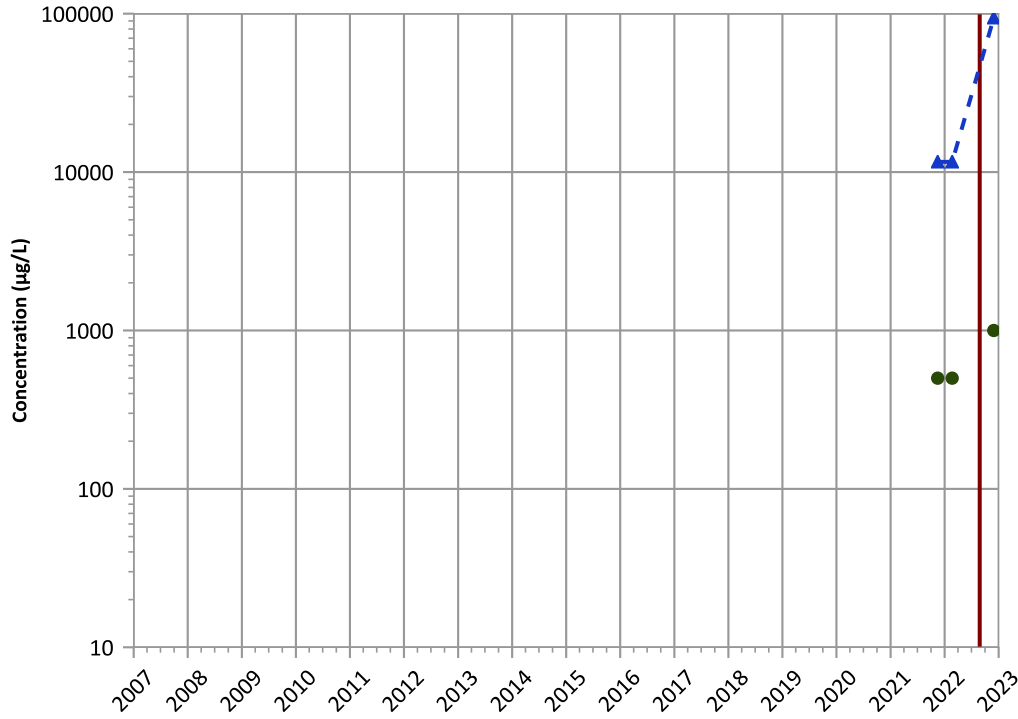
Query Date Range: 01/01/1999 to 12/31/2022

Data Date Range: 11/15/2021 to 11/29/2022

Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

PTX06-ISB331 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Sulfate (as SO4) Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

N/A (<4 Samples in Dataset)

2020 - 2022 Data:

N/A (<4 Samples in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1999 to 12/31/2022  
 Data Date Range: 11/15/2021 to 11/29/2022  
 Analysis Date: 04/24/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard
- Injection Dates

**Well Location**







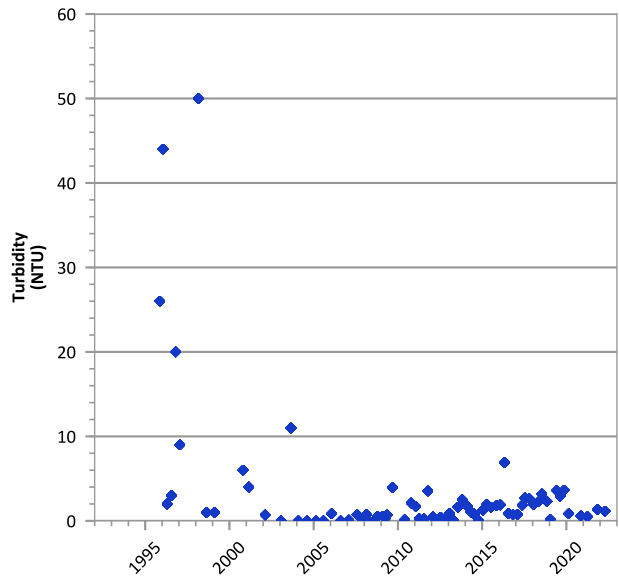
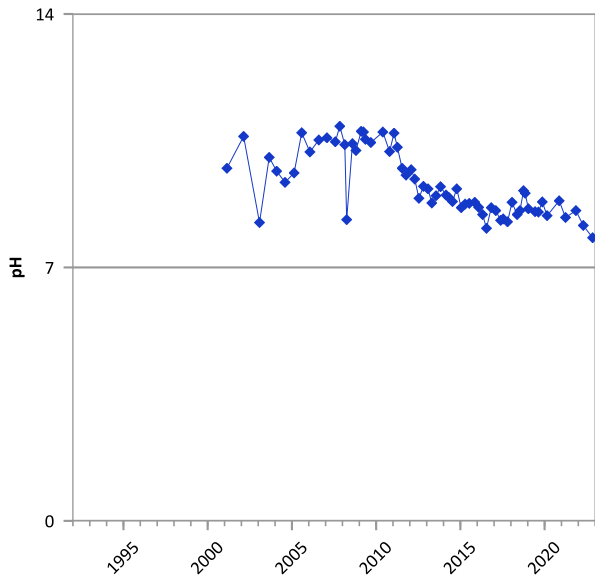
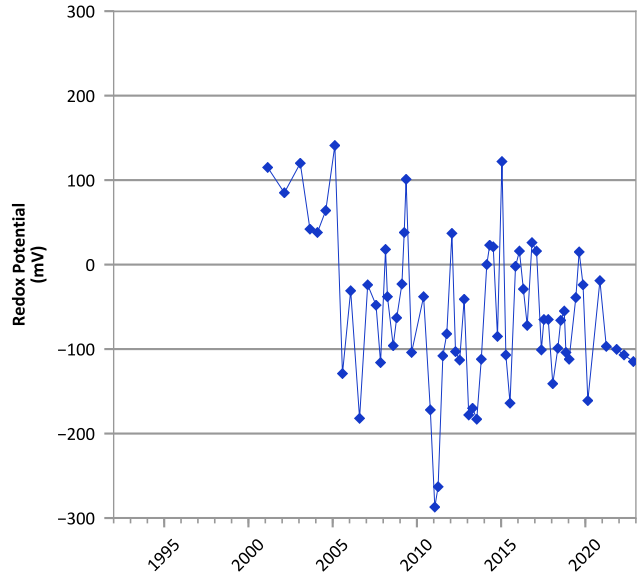
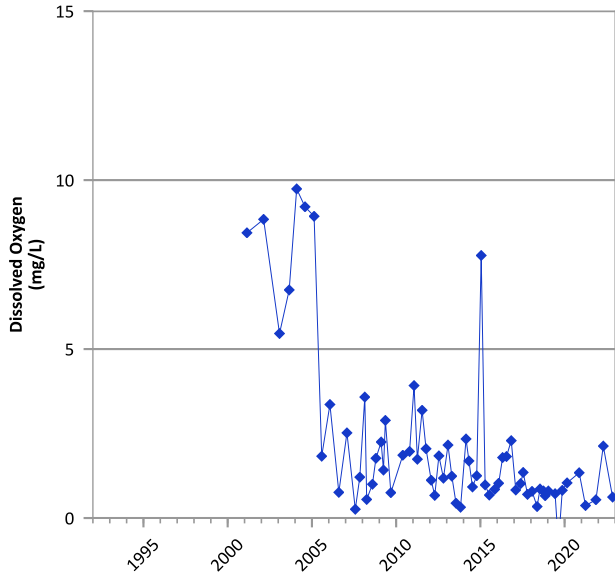






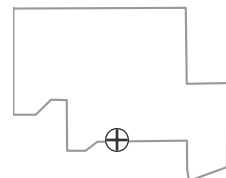
Well	Easting	Northing	COC	First Date	Last Date	NumS AD	NumD AD	AIND AD	CV AD	MKS AD	Conf AD	Trend AD	NumS L4S	NumD L4S	AIND L4S	CV L4S	MKS L4S	Conf L4S	Trend L4S	NumS SSRA	NumD SSRA	AIND SSRA	CV SSRA	MKS SSRA	Conf SSRA	Trend SSRA	NumS EYRP	NumD EYRP	AIND EYRP	CV EYRP	MKS EYRP	Conf EYRP	Trend EYRP
PTX05-1198	649710.26	3750989.94	MD	6/13/2019	2/14/2022	5	5	No	0.373551161	-10.00	0.992	Decreasing	4	4	No	0.671075447	-6.00	0.958	Decreasing	5	5	No	0.373551161	-10.00	0.992	Decreasing	4	4	No	0.109532928	-6.00	0.958	Decreasing
PTX05-1198	649710.26	3750989.94	NI	6/13/2019	2/14/2022	5	1	No	0	0.00	0	N/A (-4 Detections in Dataset)	4	1	No	0	0.00	0	N/A (-4 Detections in Dataset)	5	1	No	0	0.00	0	N/A (-4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect
PTX05-1198	649710.26	3750989.94	V	6/13/2019	2/14/2022	5	5	No	0.149148461	-3.00	0.8205	Stable	4	4	No	0.525583278	-1.00	0.5	Stable	5	5	No	0.149148461	-3.00	0.8205	Stable	4	4	No	0.064282431	-1.00	0.5	Stable
PTX05-1198	649710.26	3750989.94	LOC	10/22/2018	6/14/2022	5	5	No	0.914107421	-20.00	0.918	Increasing	4	4	No	1.261387921	4.00	0.833	No Trend	5	5	No	0.914107421	-20.00	0.918	Increasing	7	4	No	0.95678645	4.00	0.833	No Trend
PTX05-1198	649710.26	3750989.94	TYEA	10/22/2018	10/21/2019	3	3	No	0	0.00	0	N/A (-4 Samples in Dataset)	3	3	No	0	0.00	0	N/A (-4 Samples in Dataset)	3	3	No	0	0.00	0	N/A (-4 Samples in Dataset)	3	3	No	0	0.00	0	N/A (-4 Samples in Dataset)

**PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



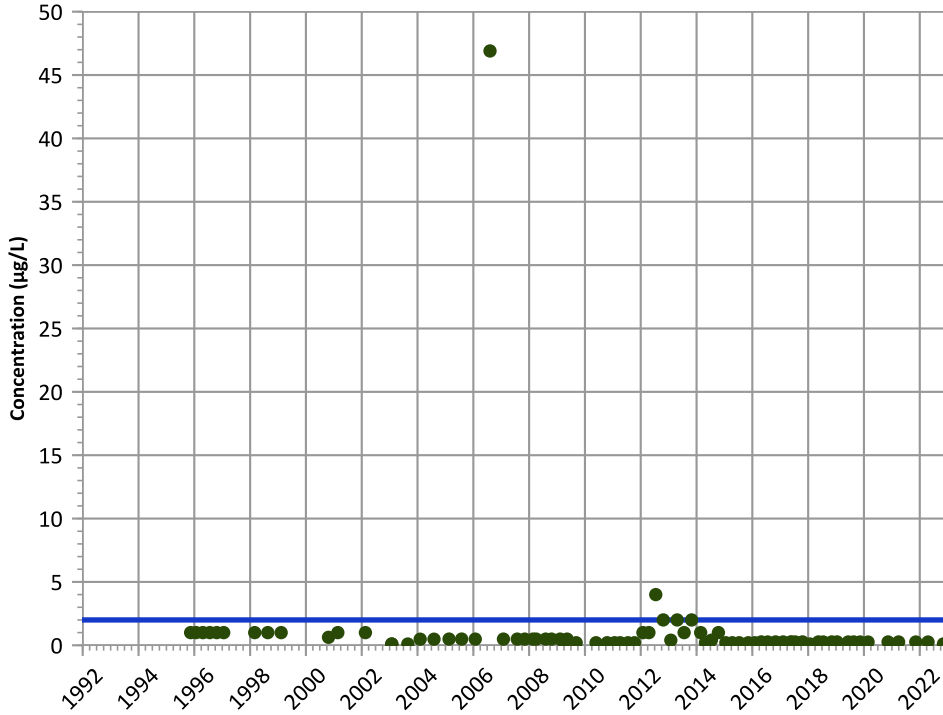
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/14/1995 to 11/07/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

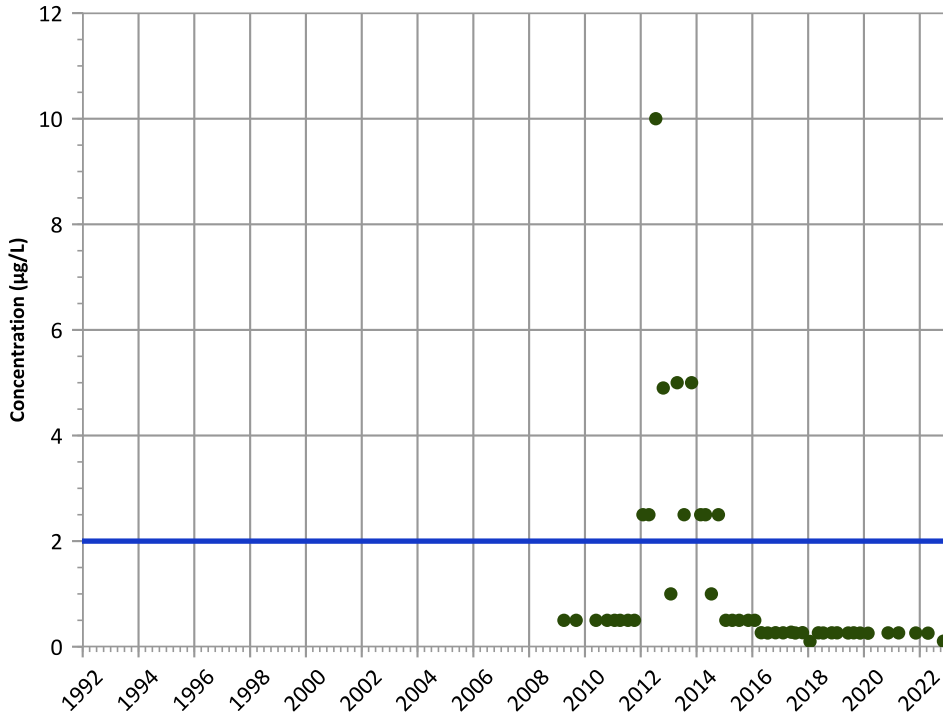
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

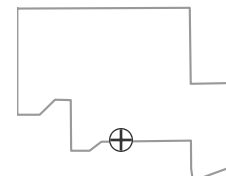
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

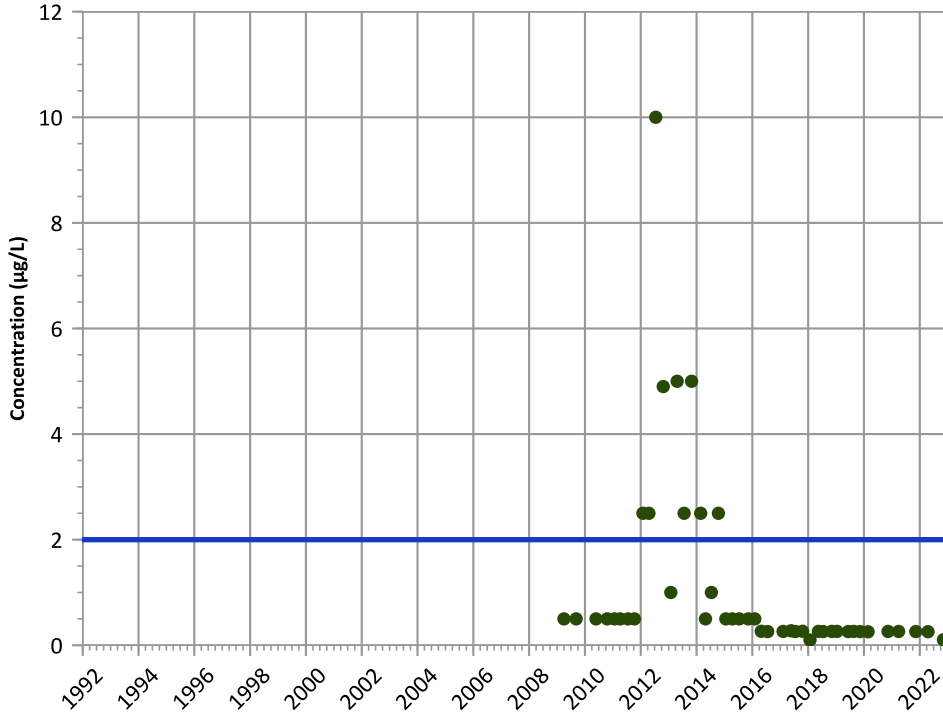
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

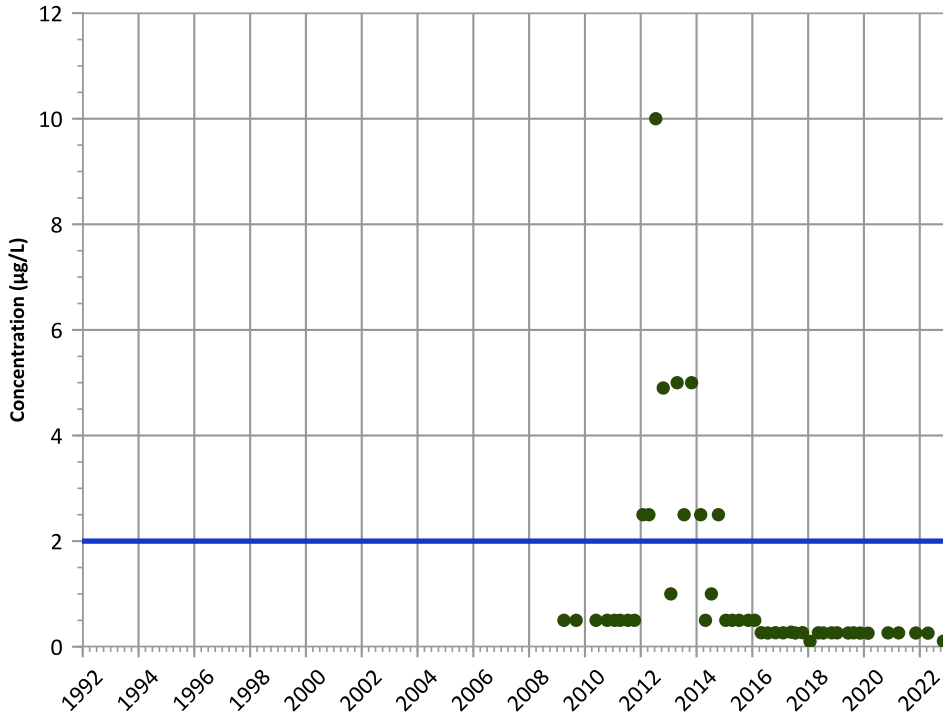
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

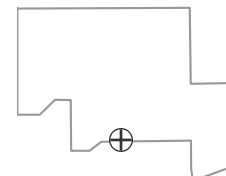
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

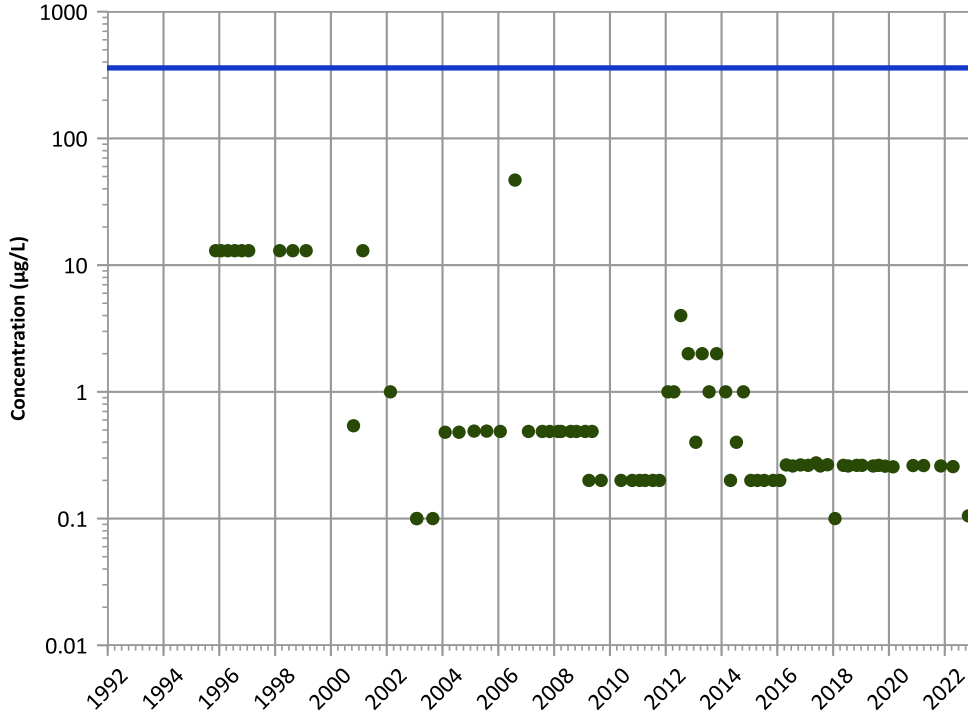
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

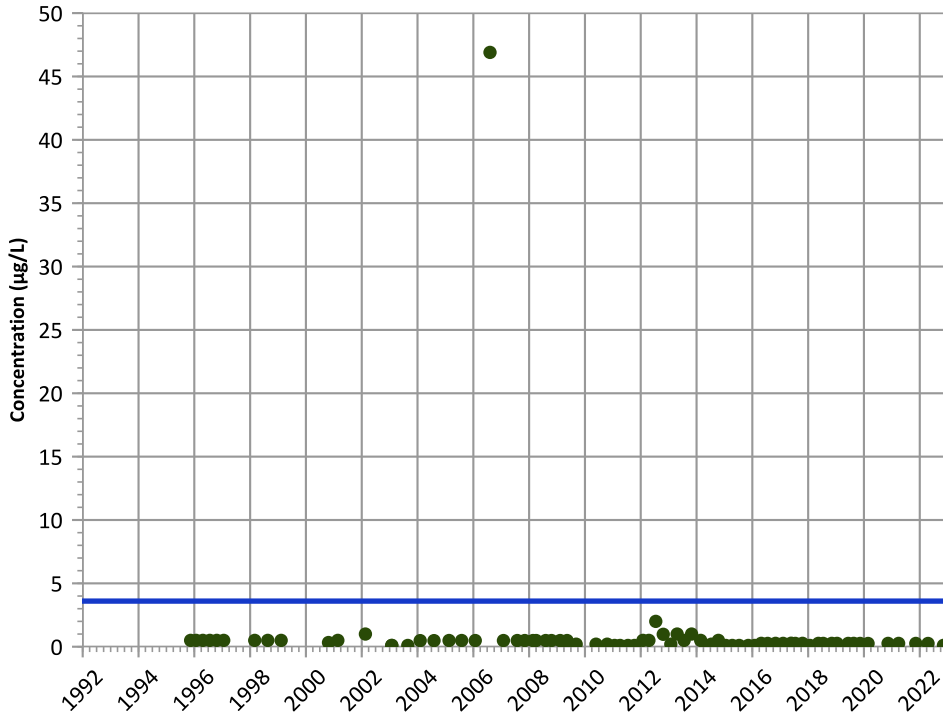


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

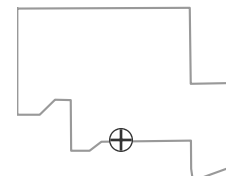
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

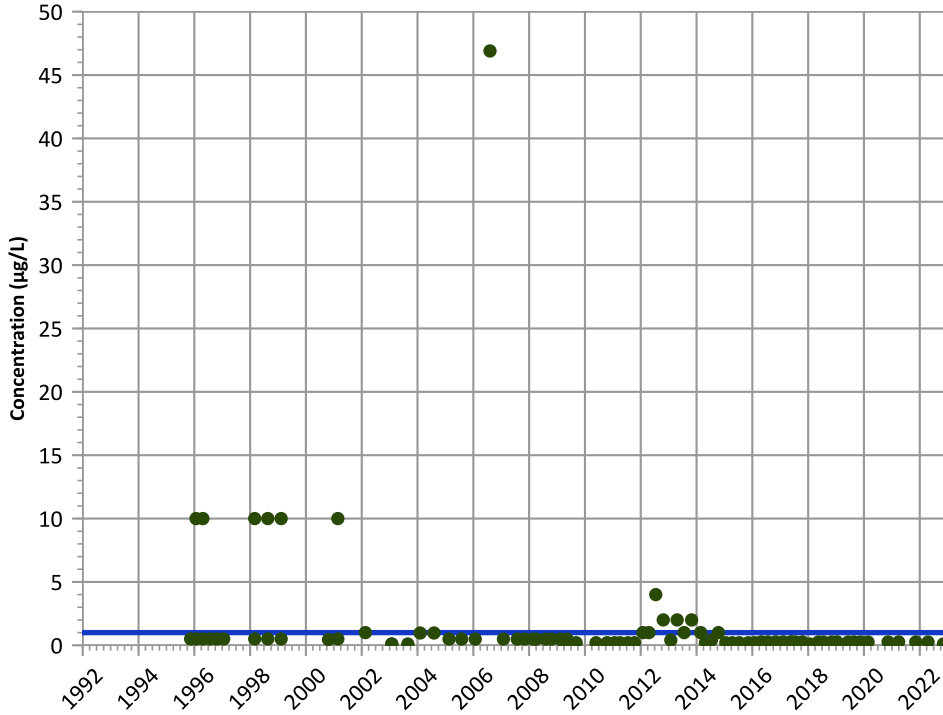
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

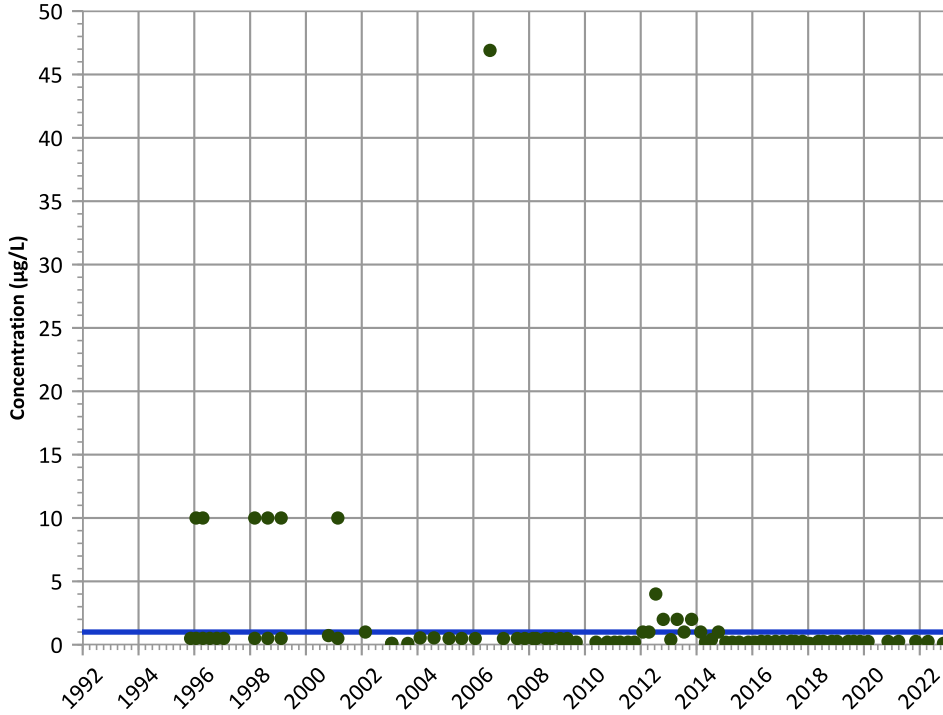
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

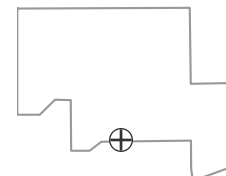
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

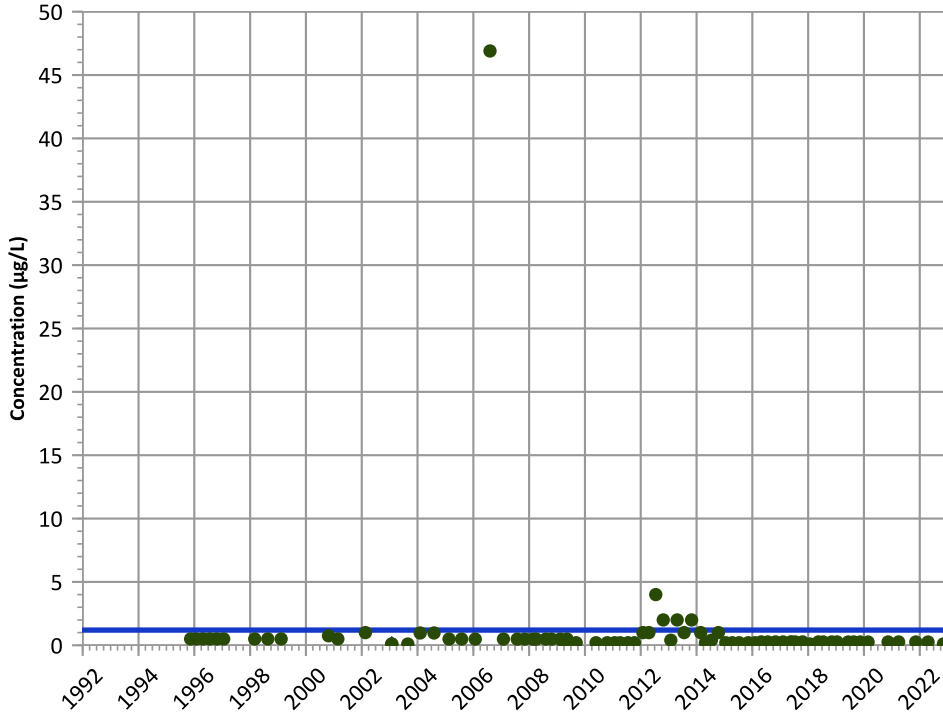
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

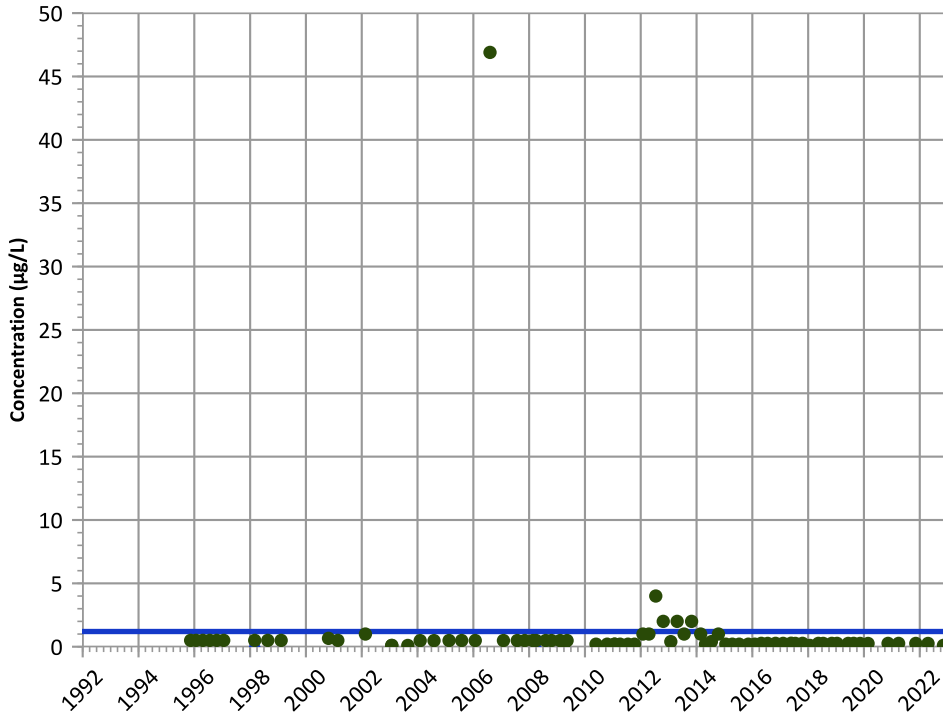


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

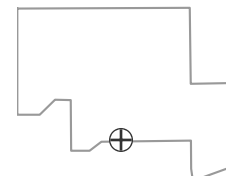
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

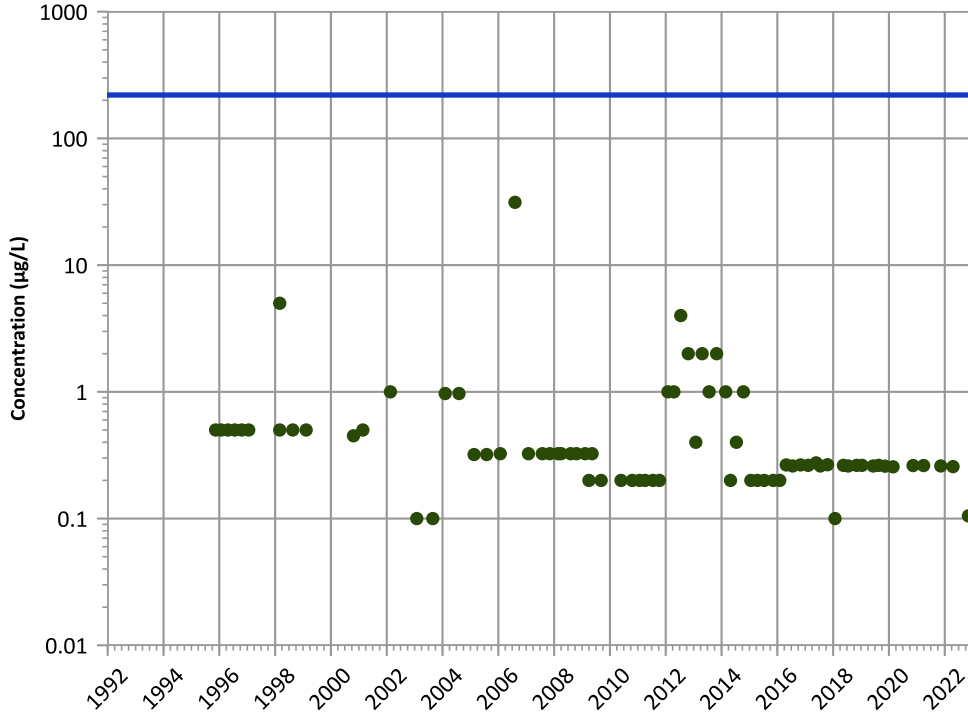
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

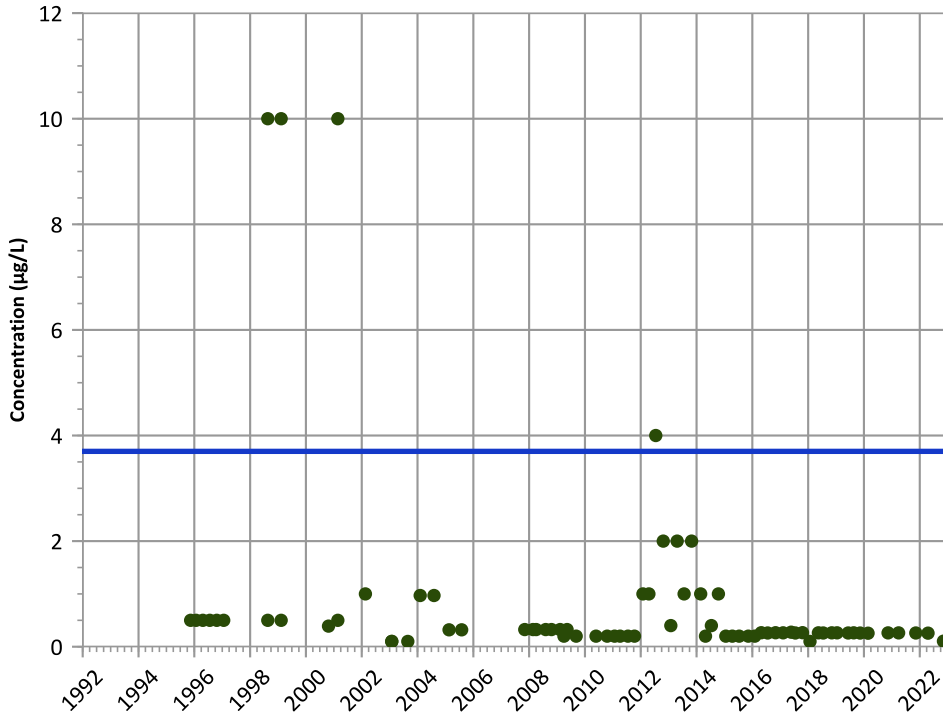


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

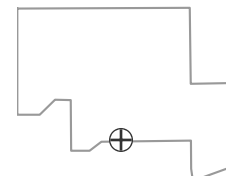
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

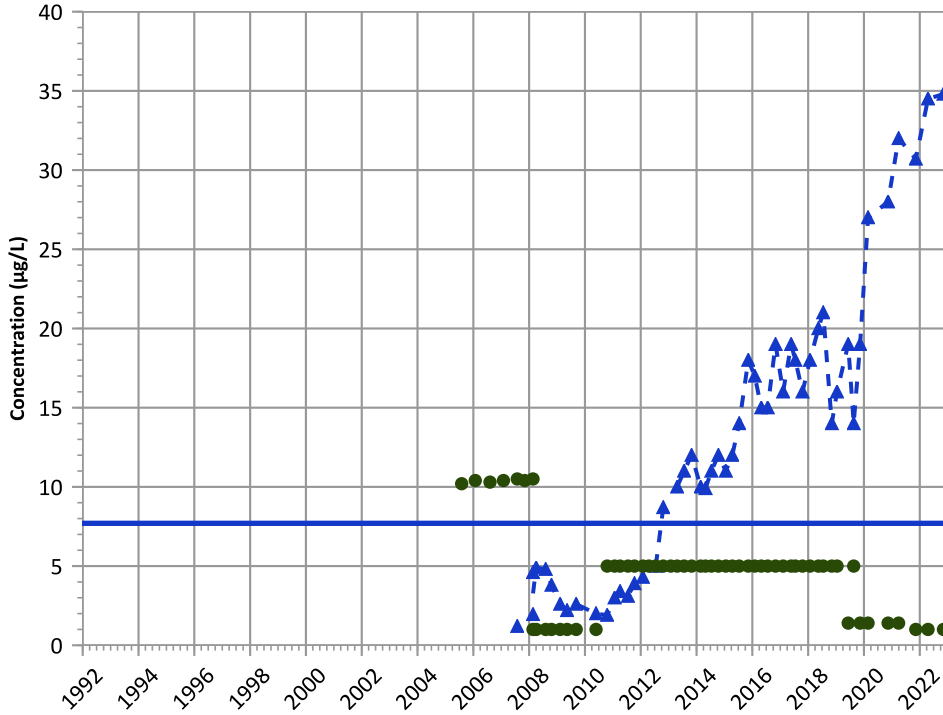
Well Location





PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

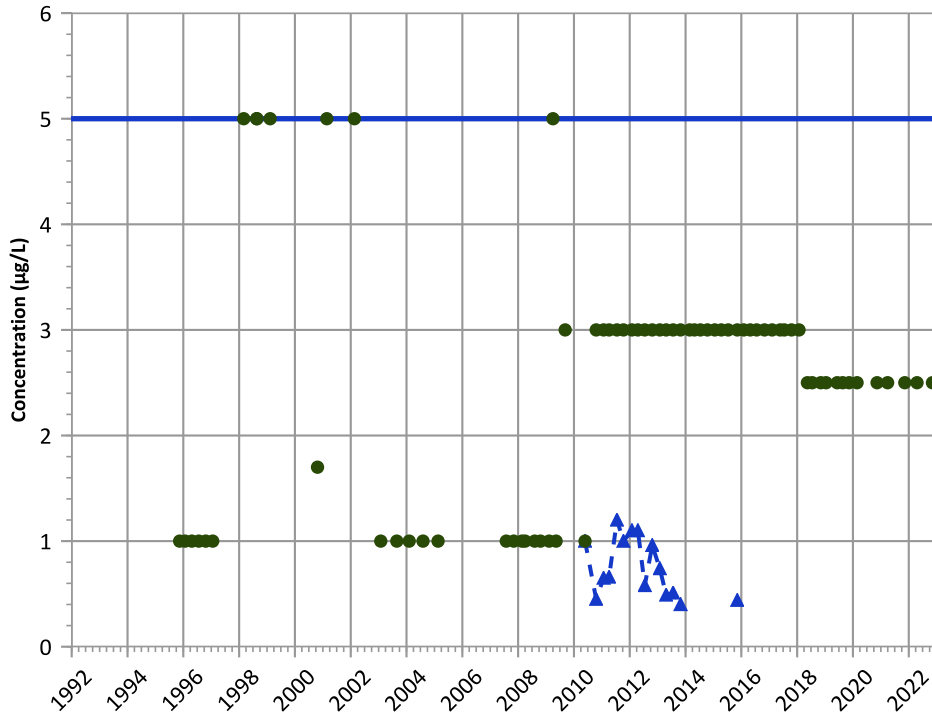
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

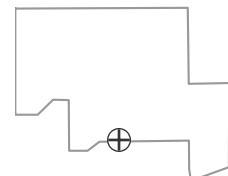
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

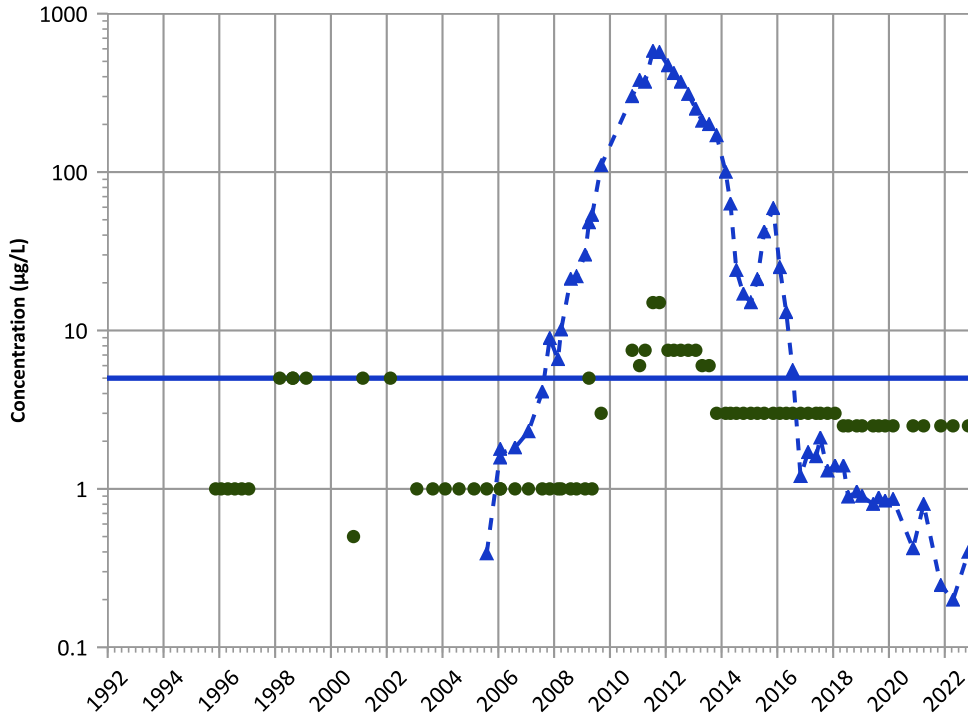
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

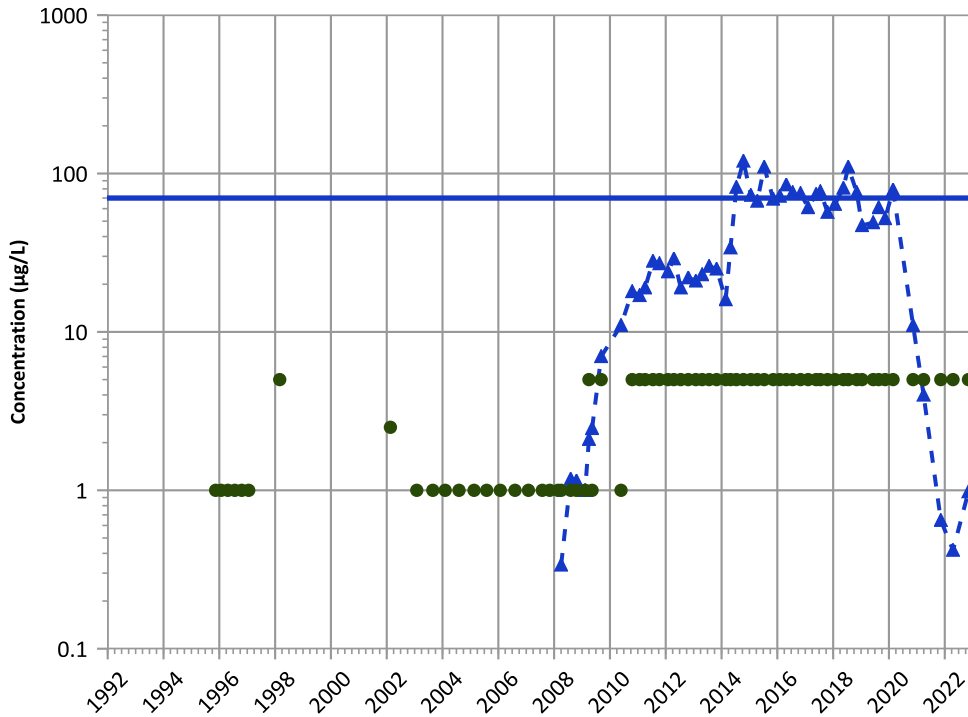


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend

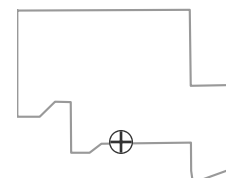


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

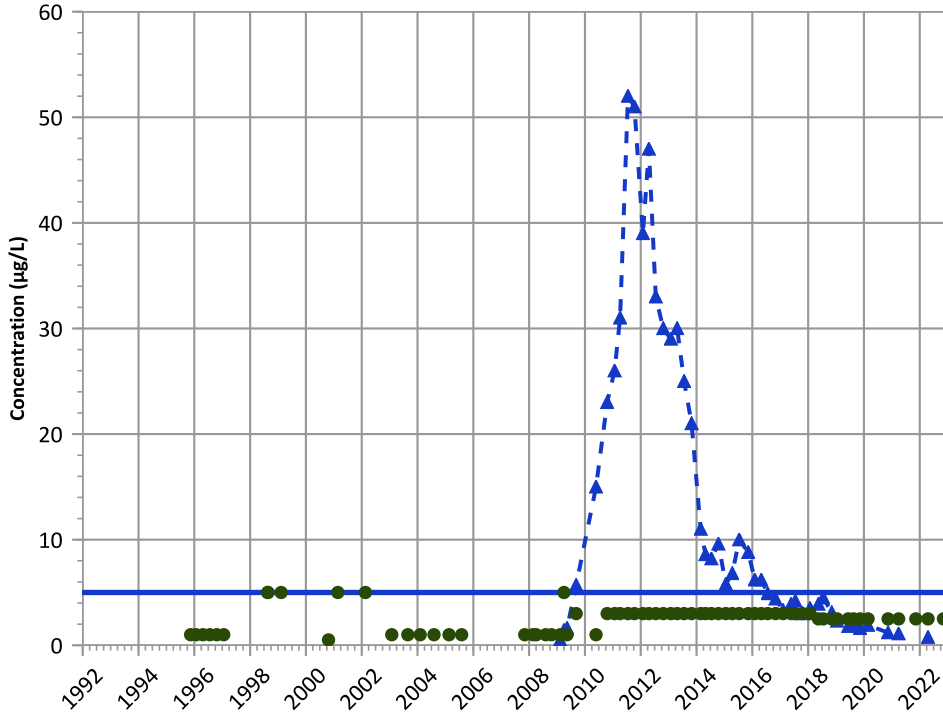
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1012 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 1,2-Dichloroethane Trend

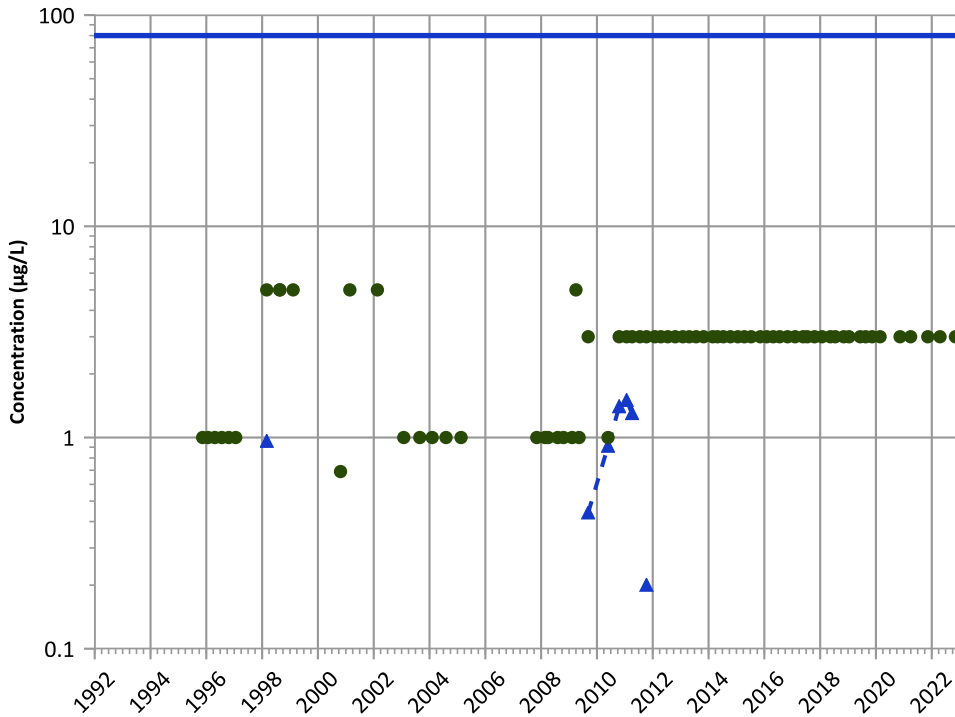


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 Decreasing

Chloroform Trend

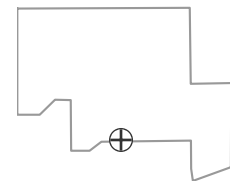


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Increasing  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Stable  
 2020 - 2022 Data:  
 Stable

**Well Location**

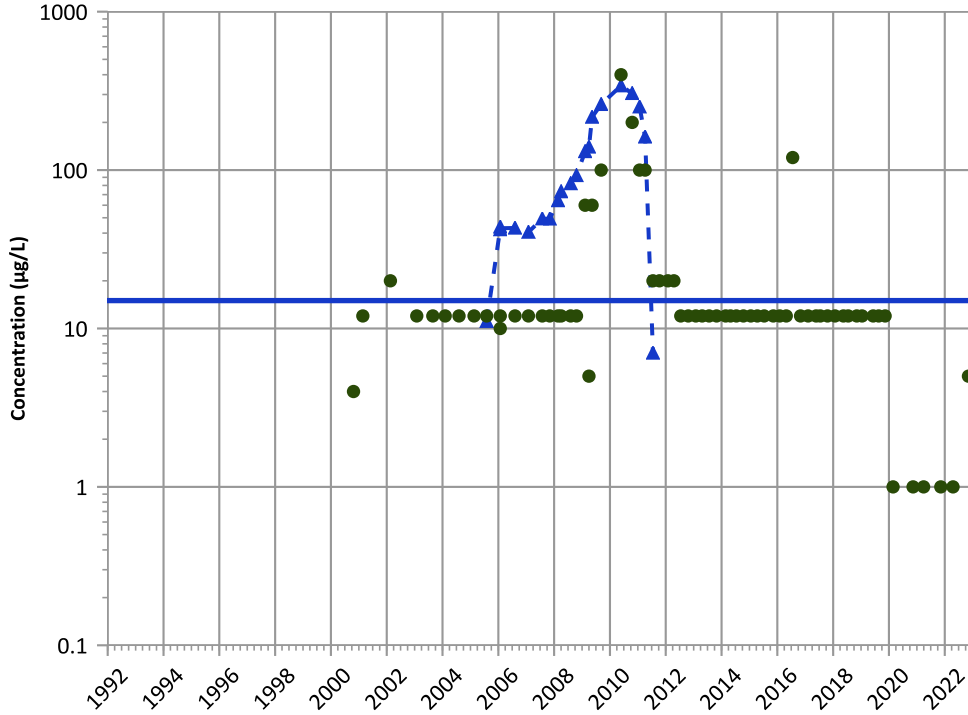


Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/14/1995 to 11/07/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

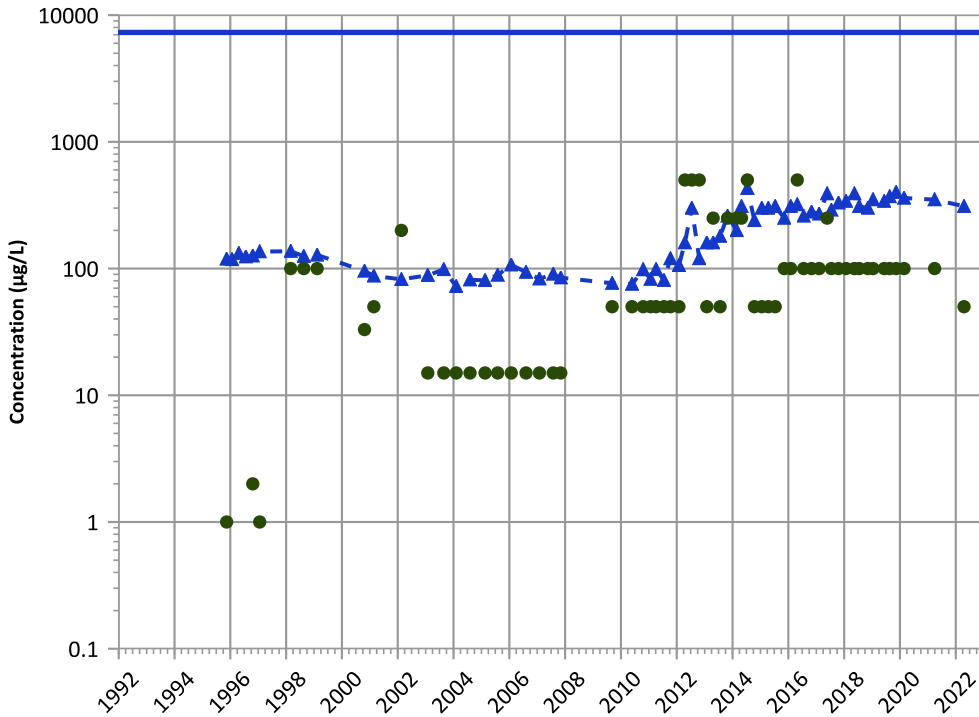


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Boron Trend



Concentration Trend

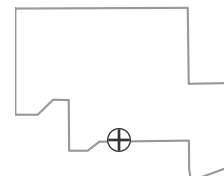
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

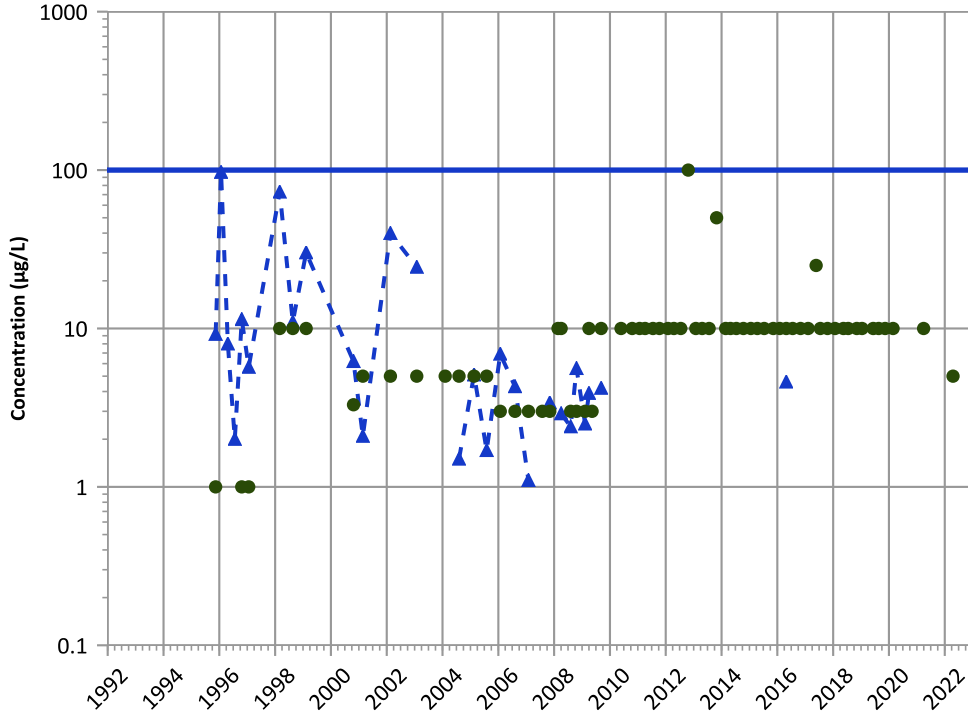
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

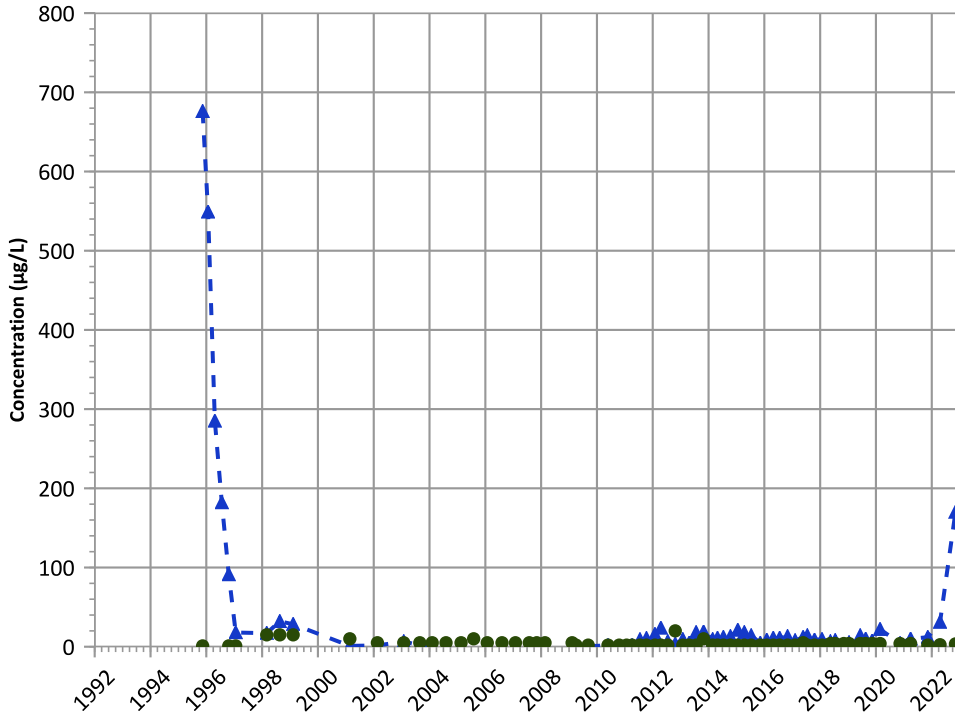


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Probably Increasing

Manganese Trend



Concentration Trend

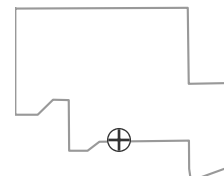
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

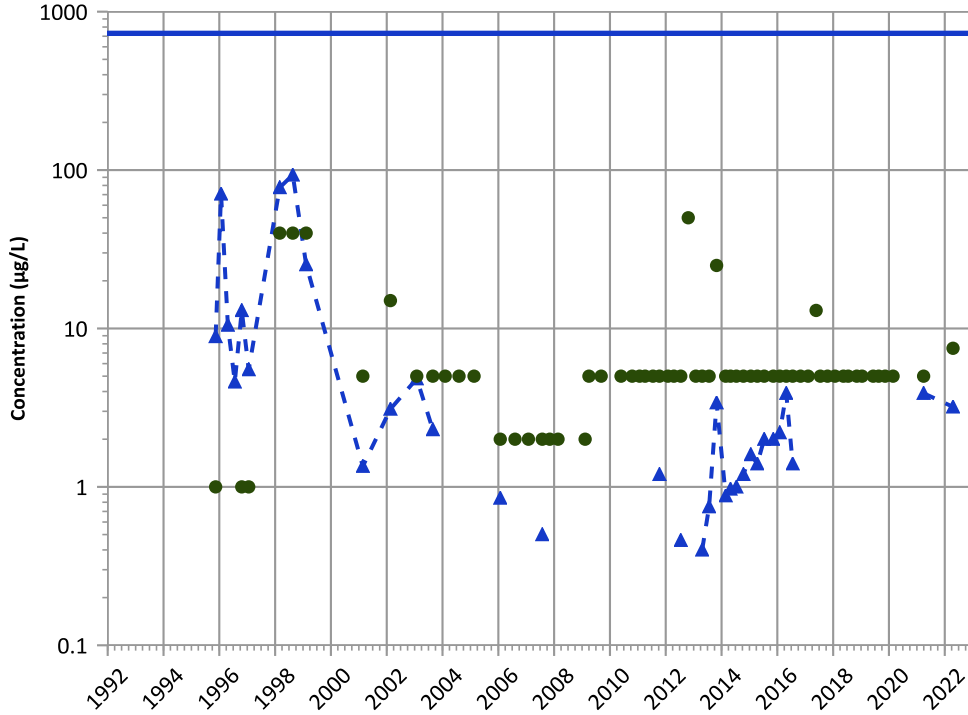
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

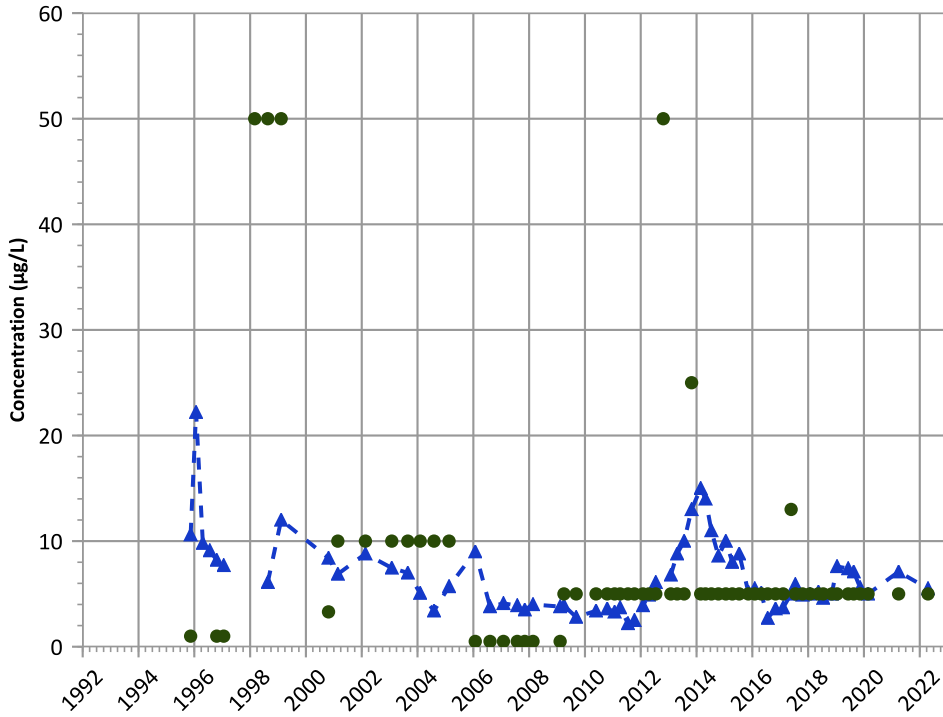
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Increasing

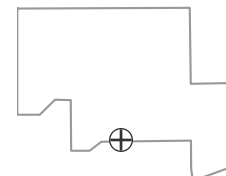
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

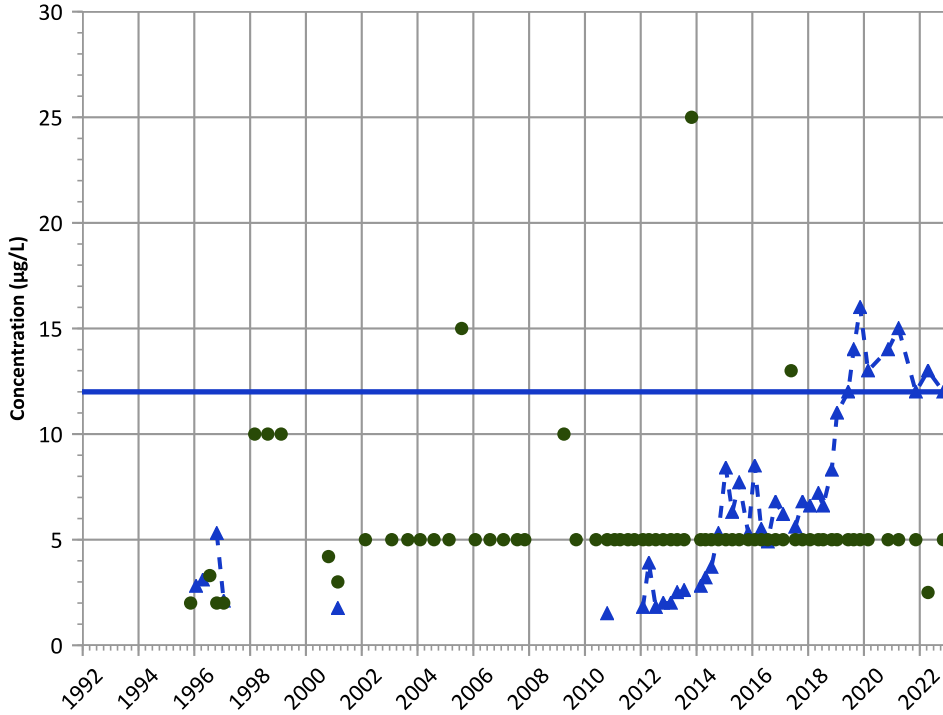
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

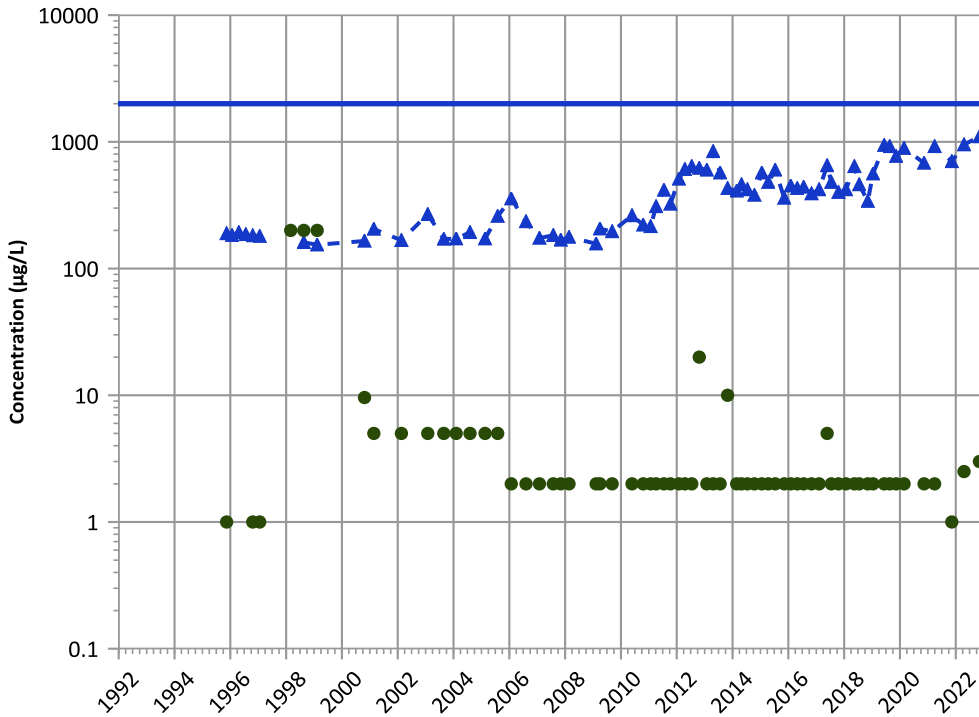


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Barium Trend



Concentration Trend

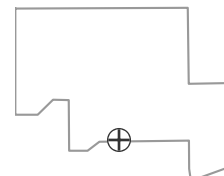
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

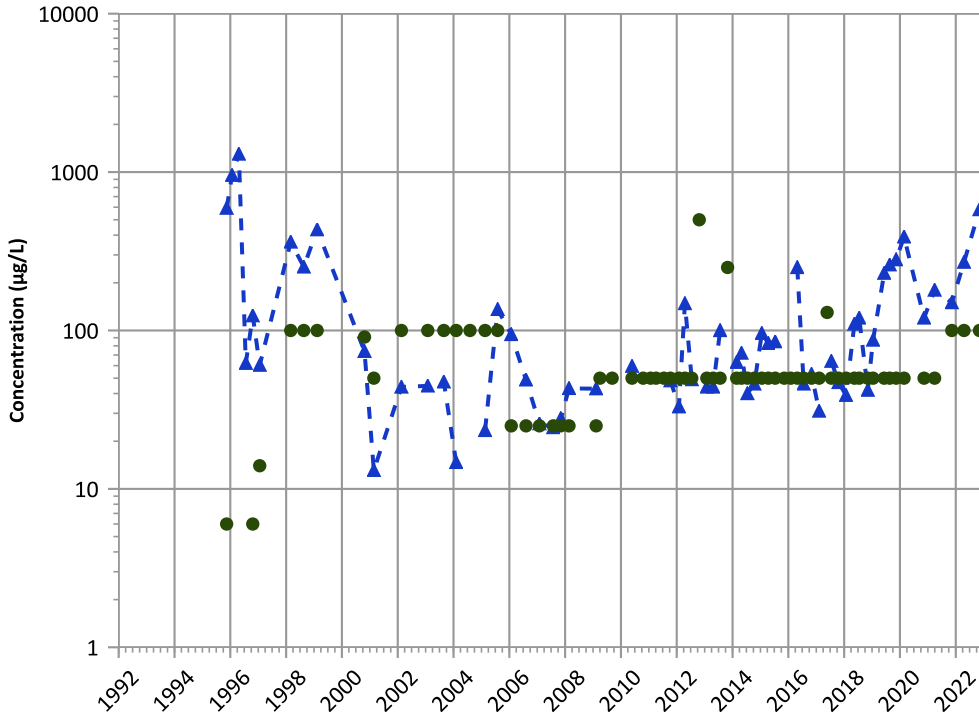
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

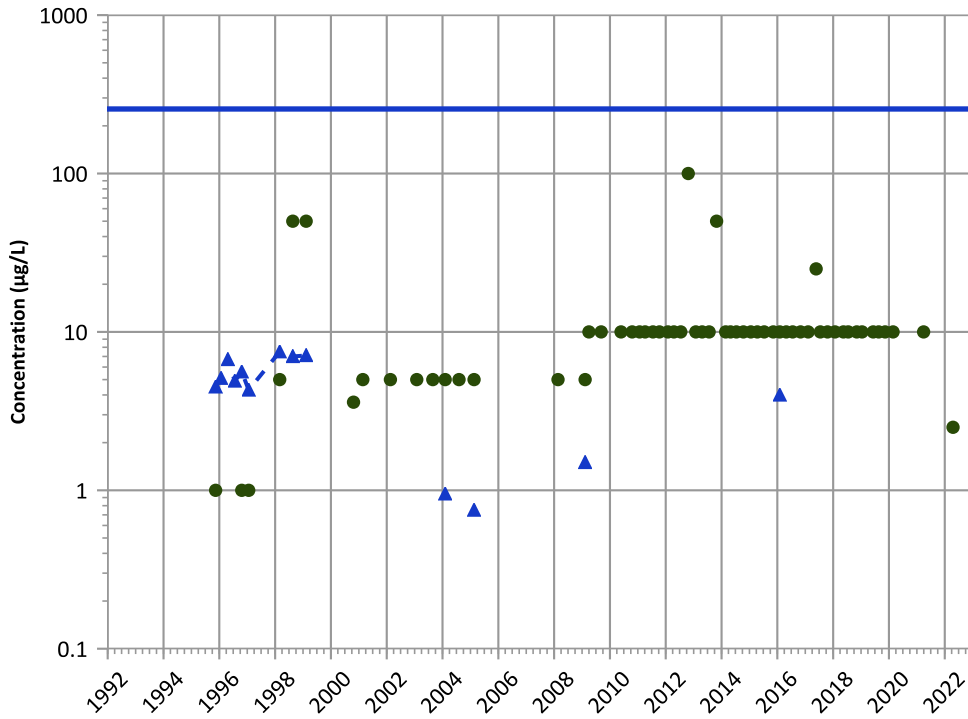
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

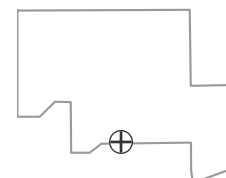
2020 - 2022 Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/14/1995 to 11/07/2022  
Analysis Date: 04/27/2023

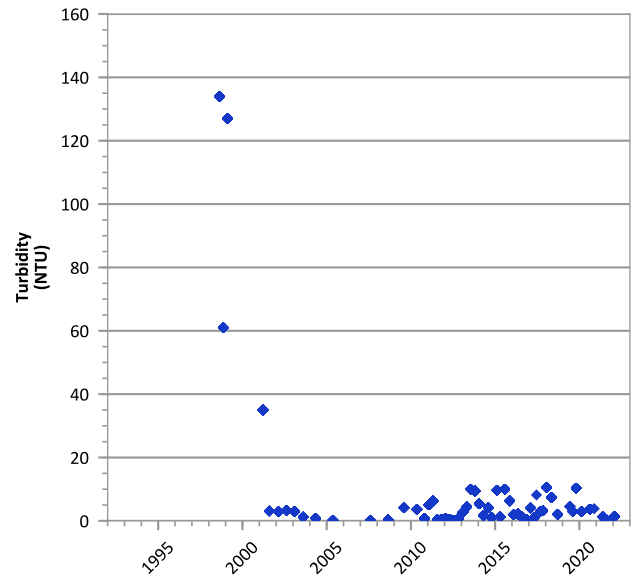
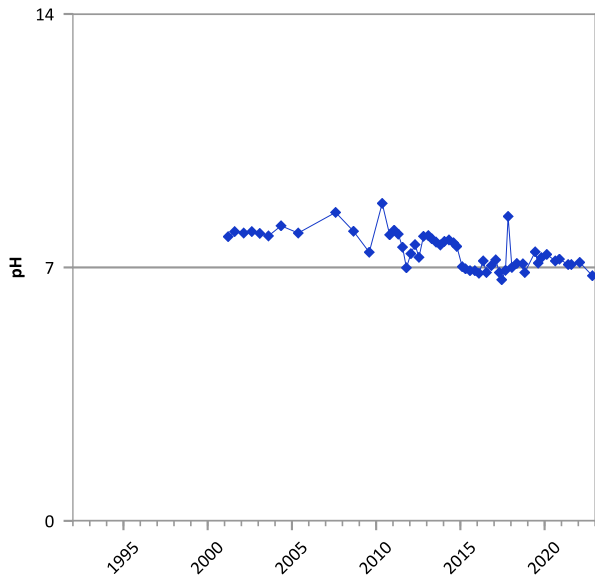
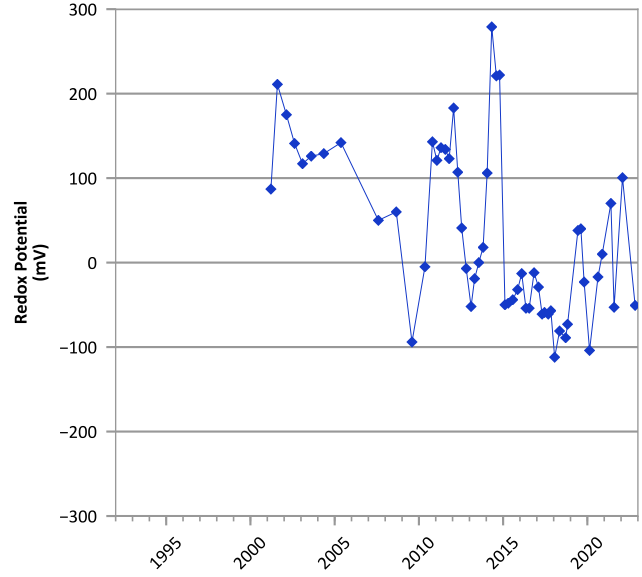
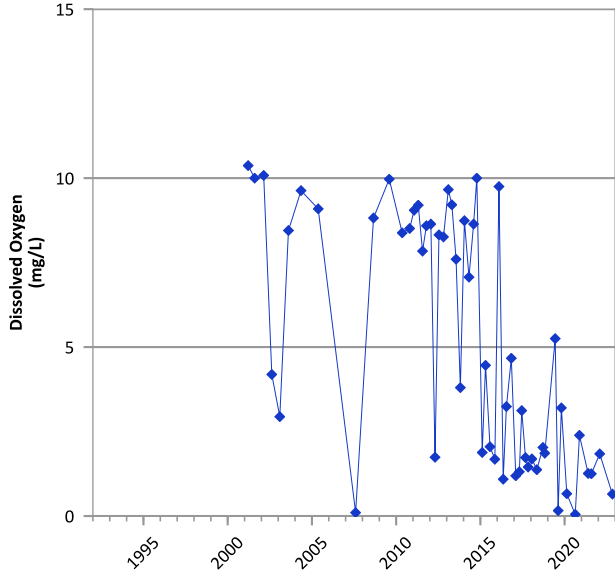
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



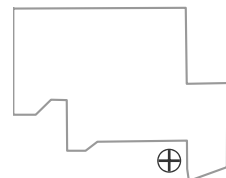


**PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



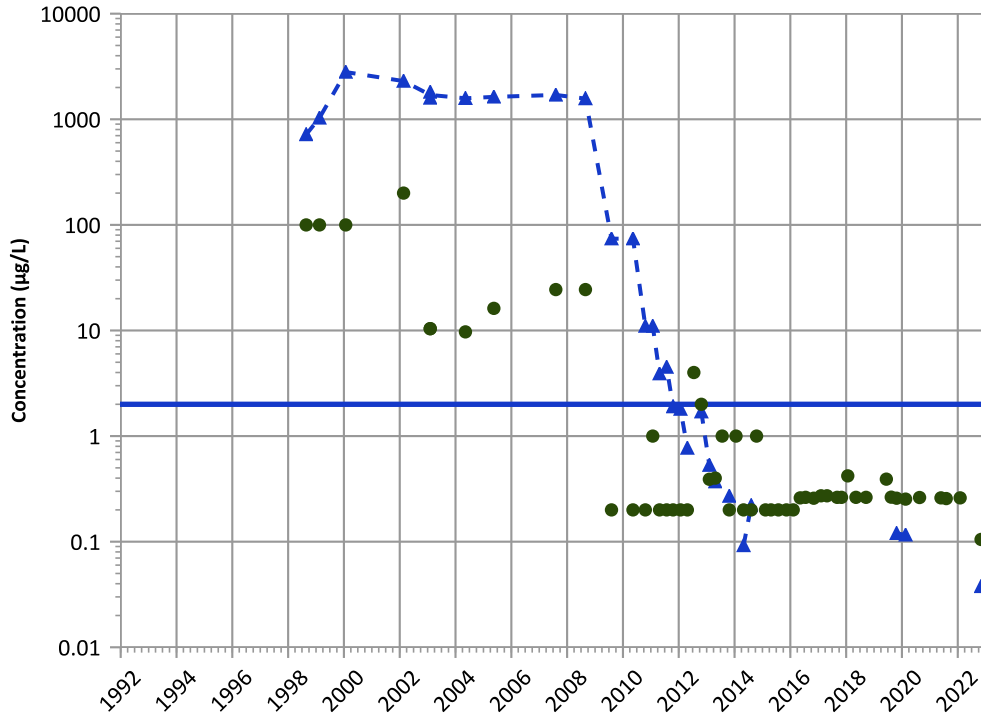
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/25/1998 to 11/02/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

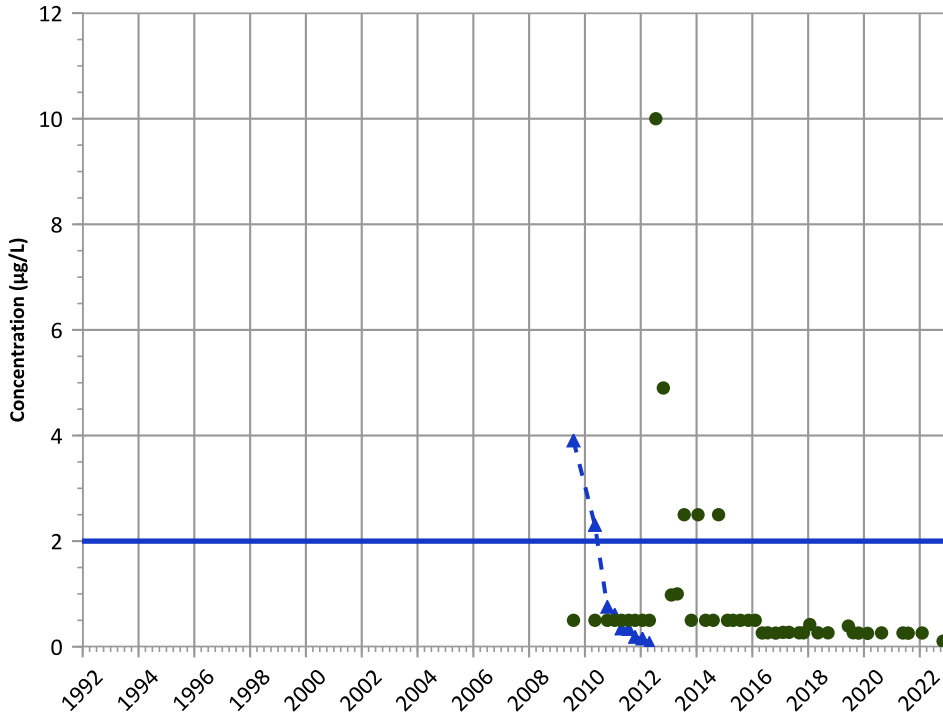


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

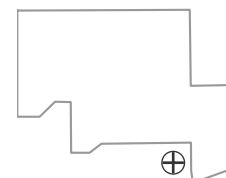
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

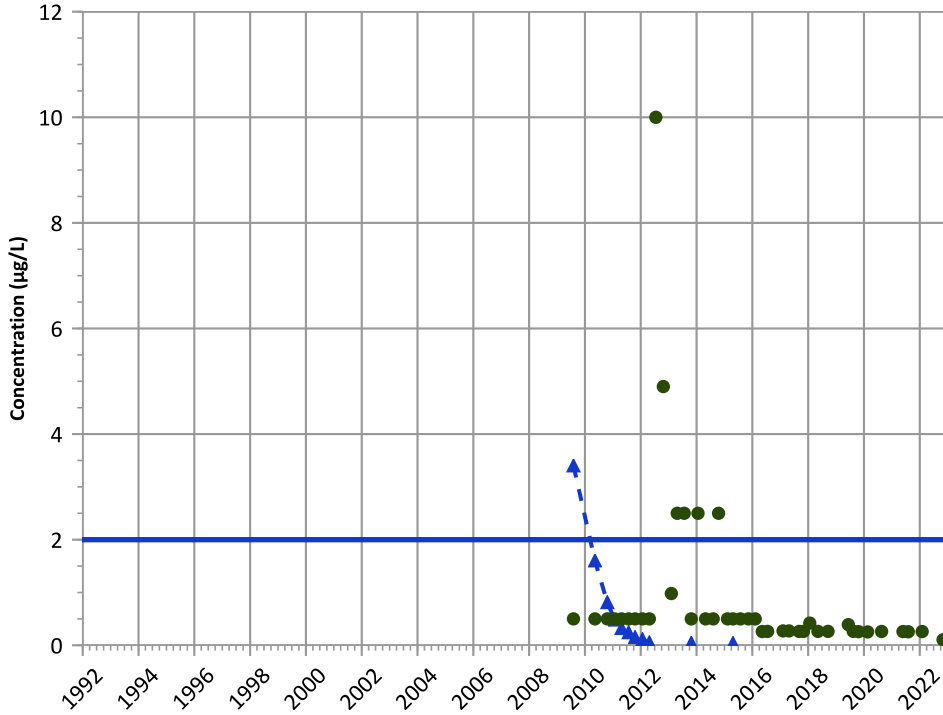
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

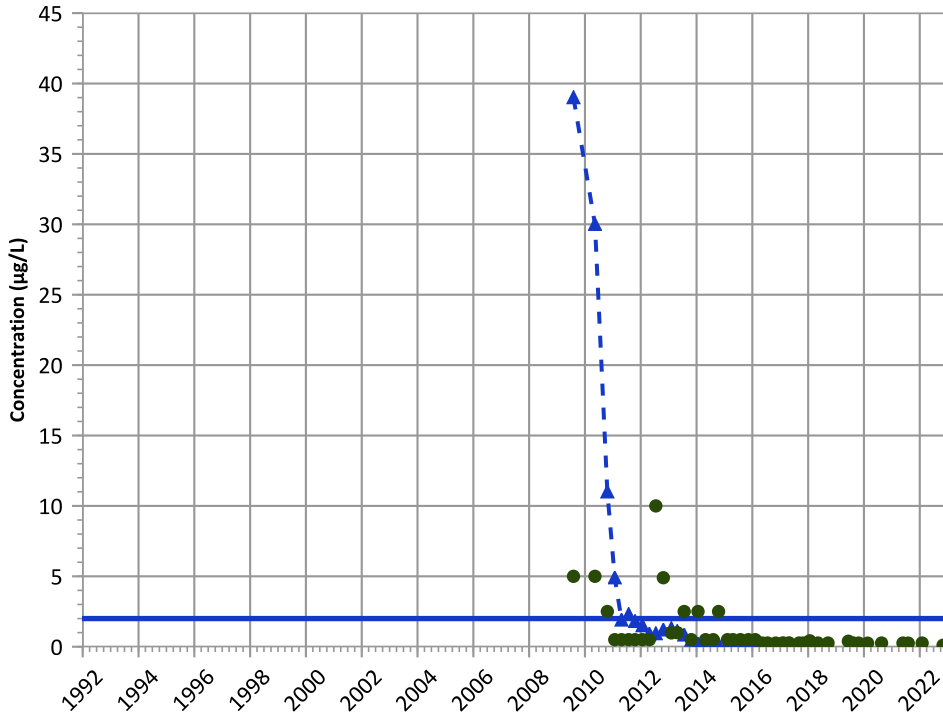


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

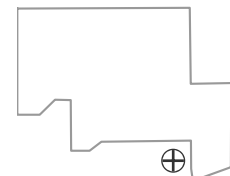
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

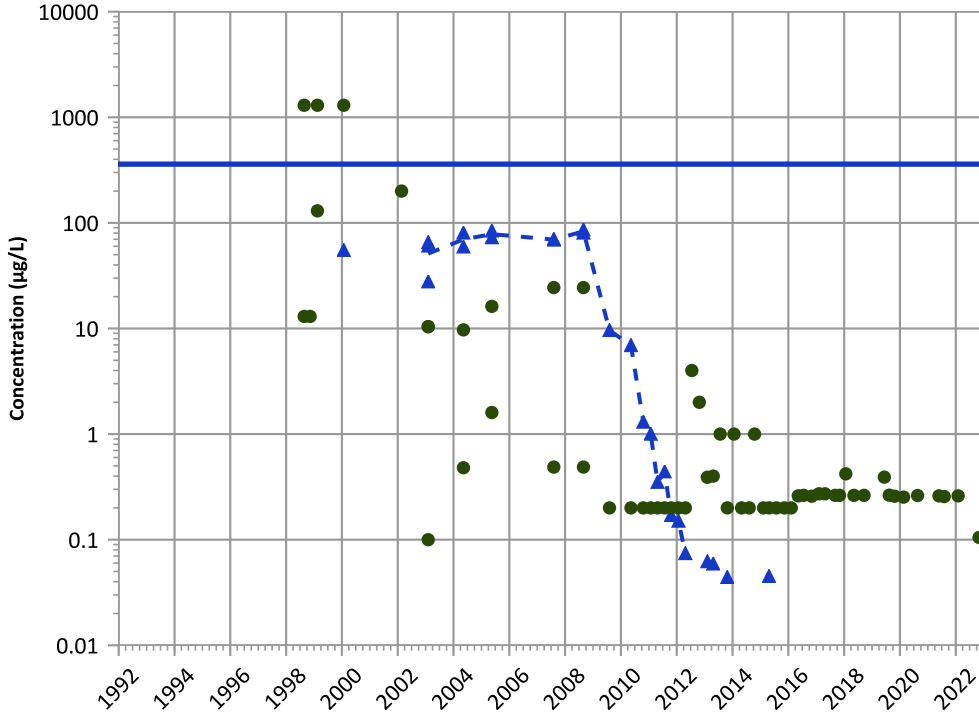
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

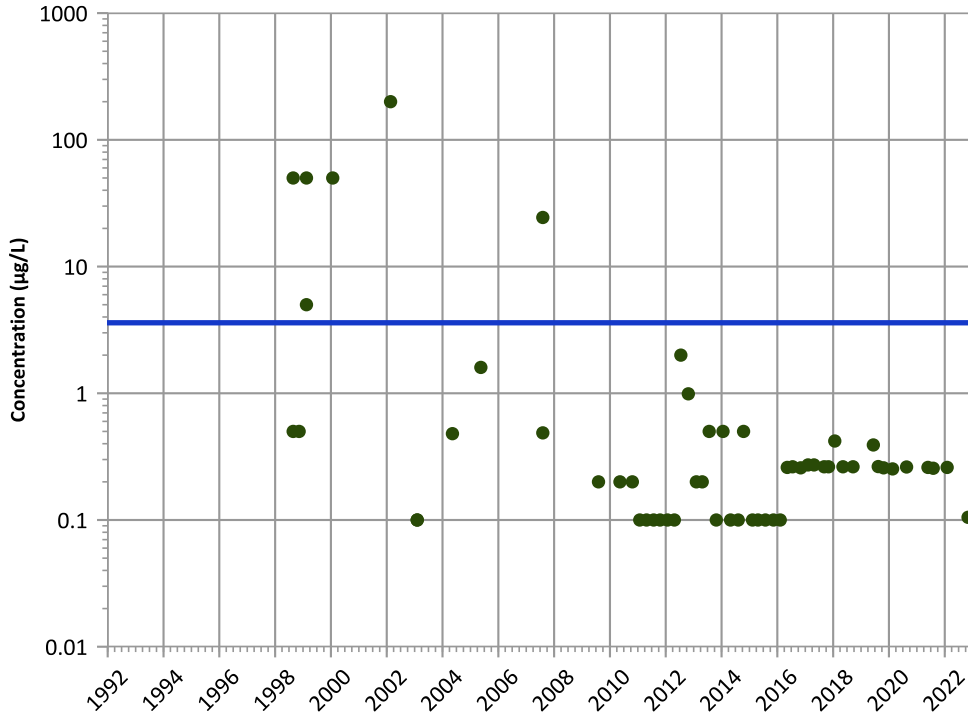


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

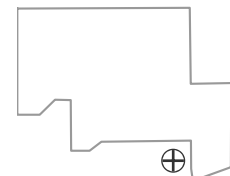
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

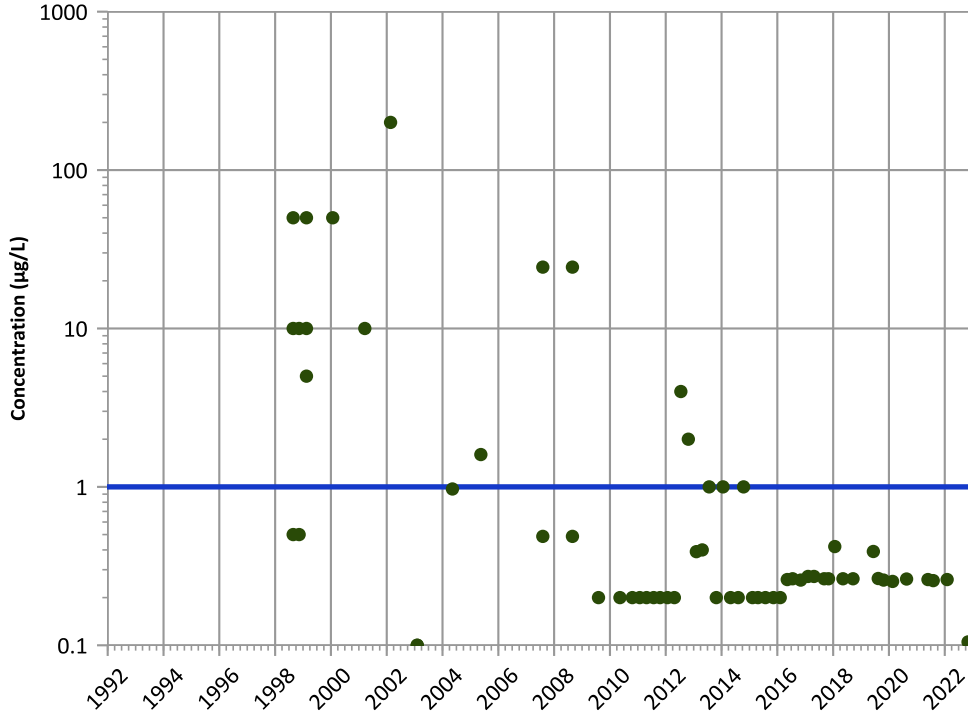
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

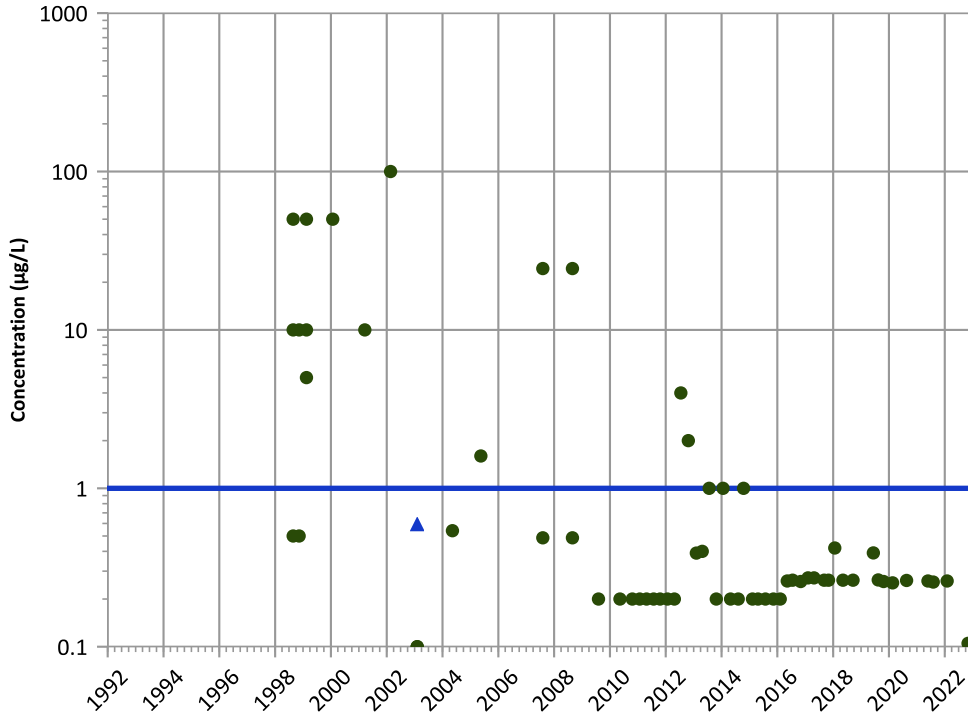
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

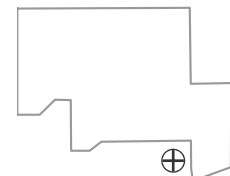
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

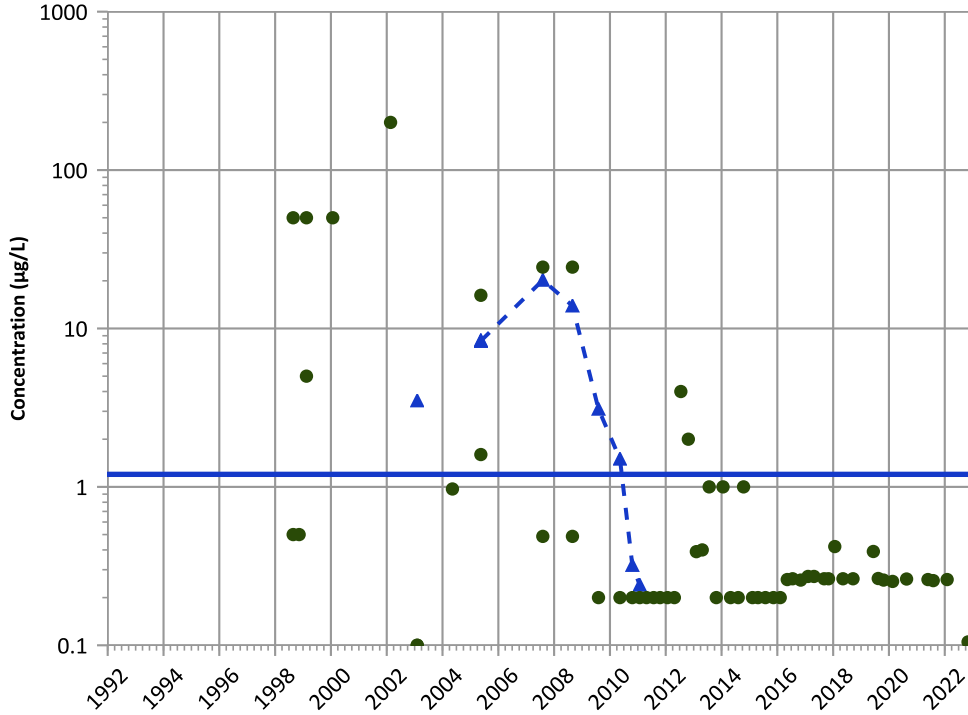
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

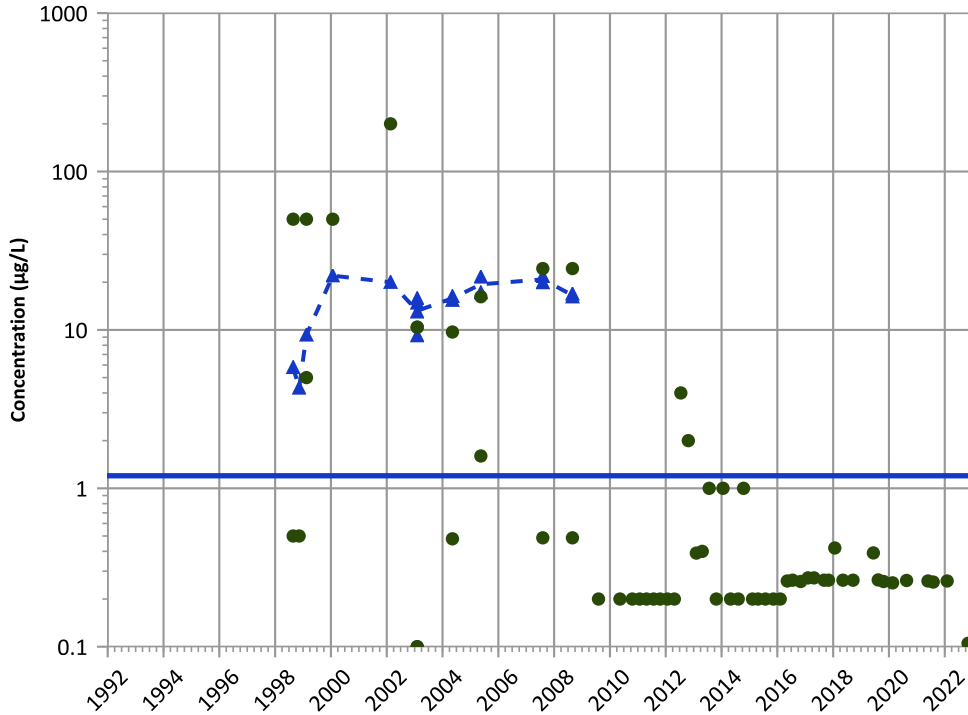


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

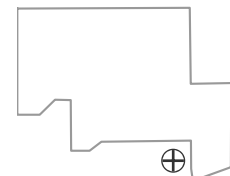
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

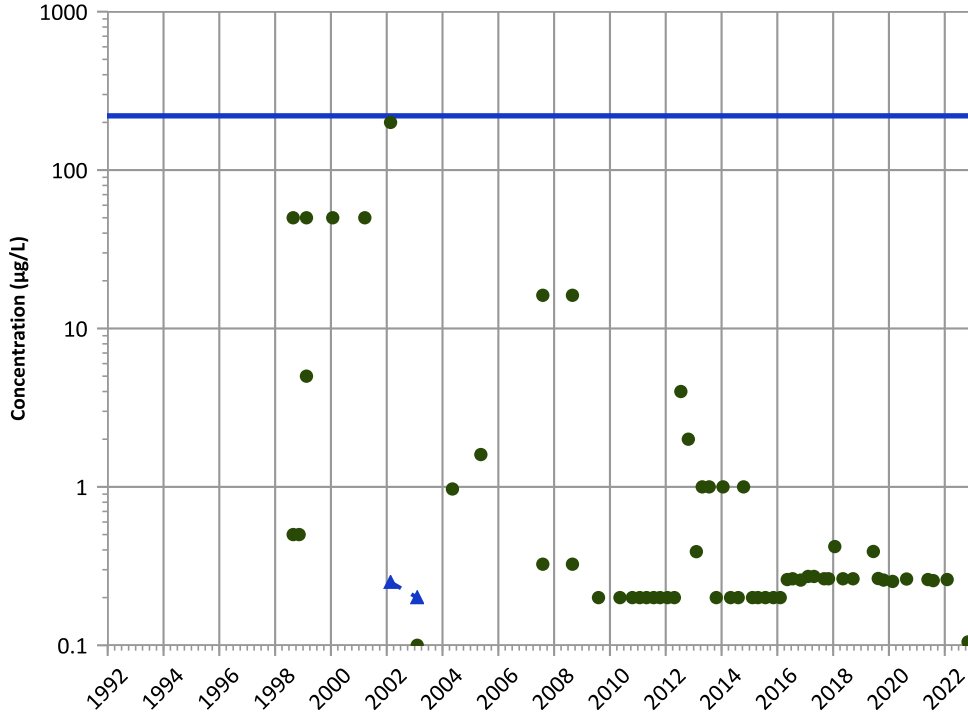
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

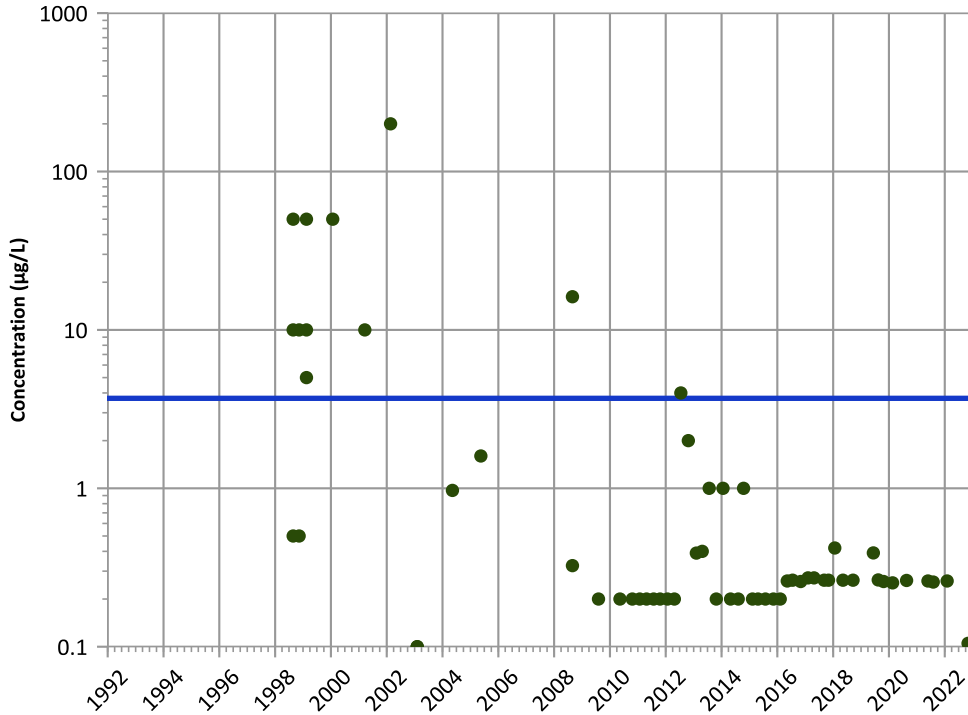


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

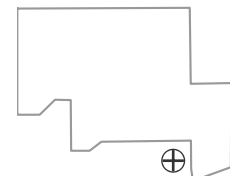
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

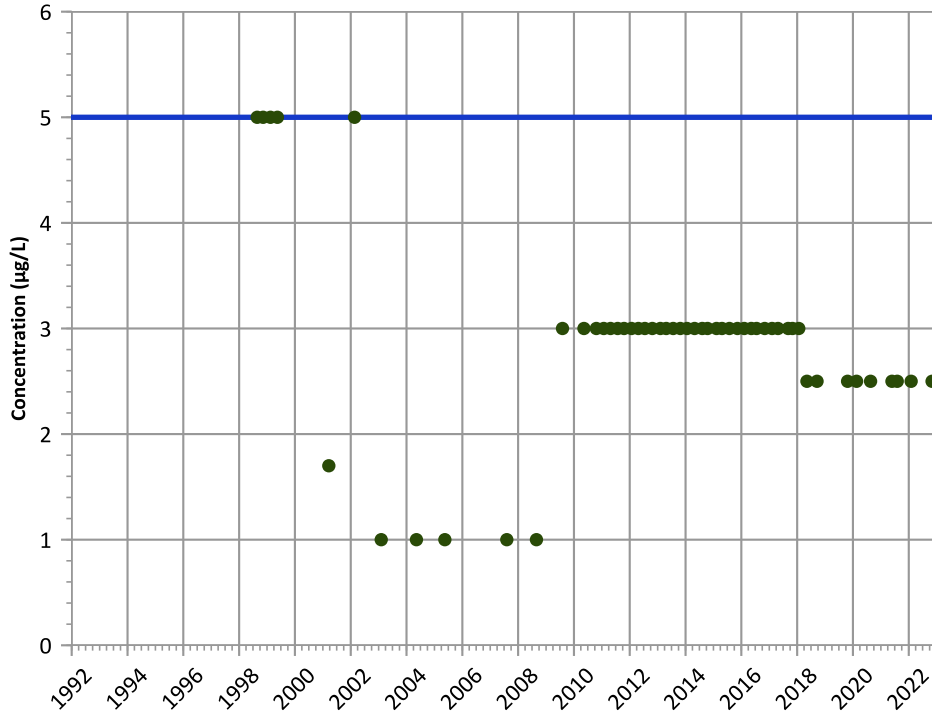
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

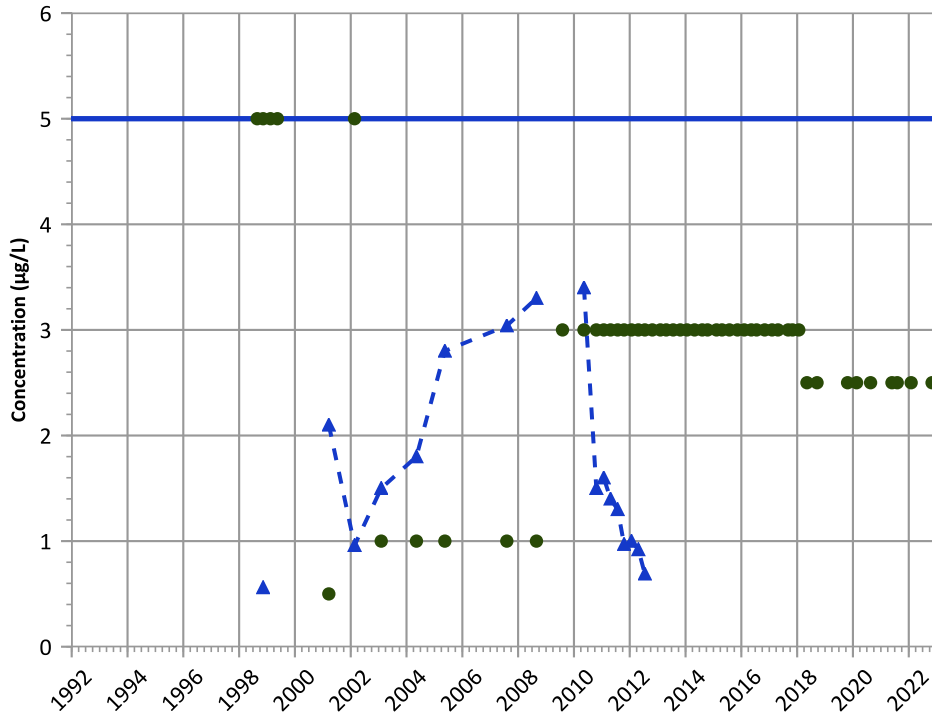
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

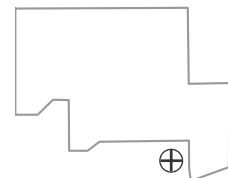
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

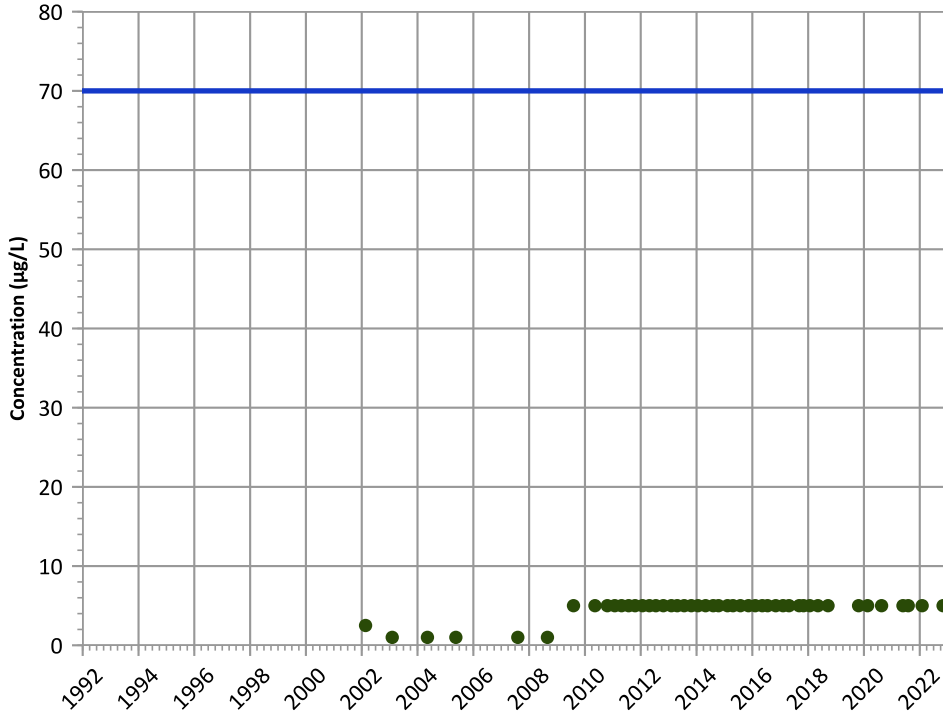
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

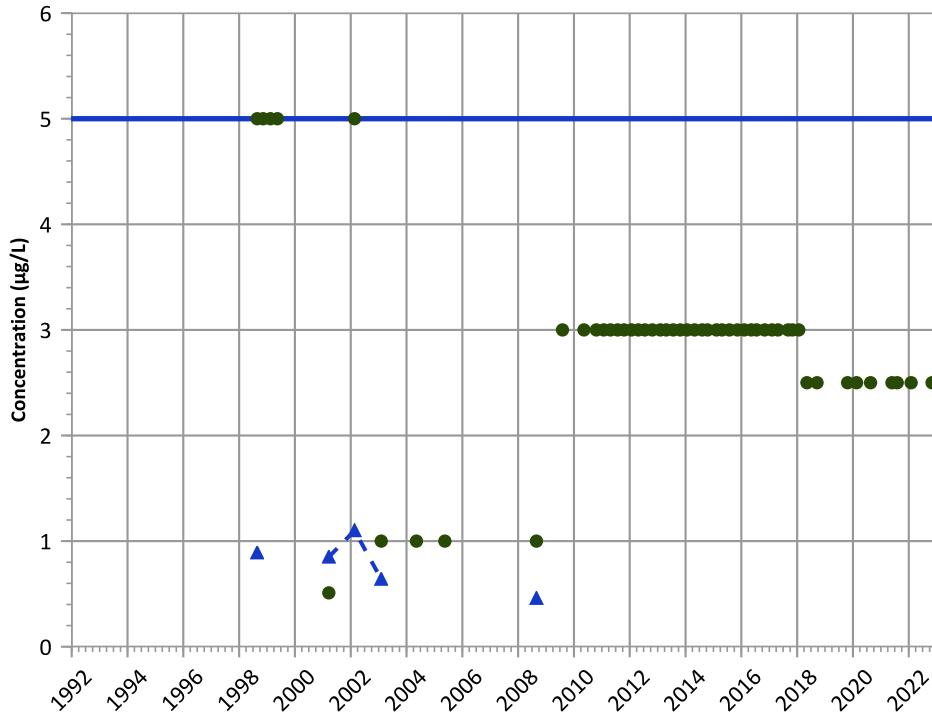
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

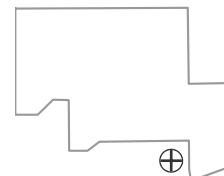
2020 - 2022 Data:

Stable

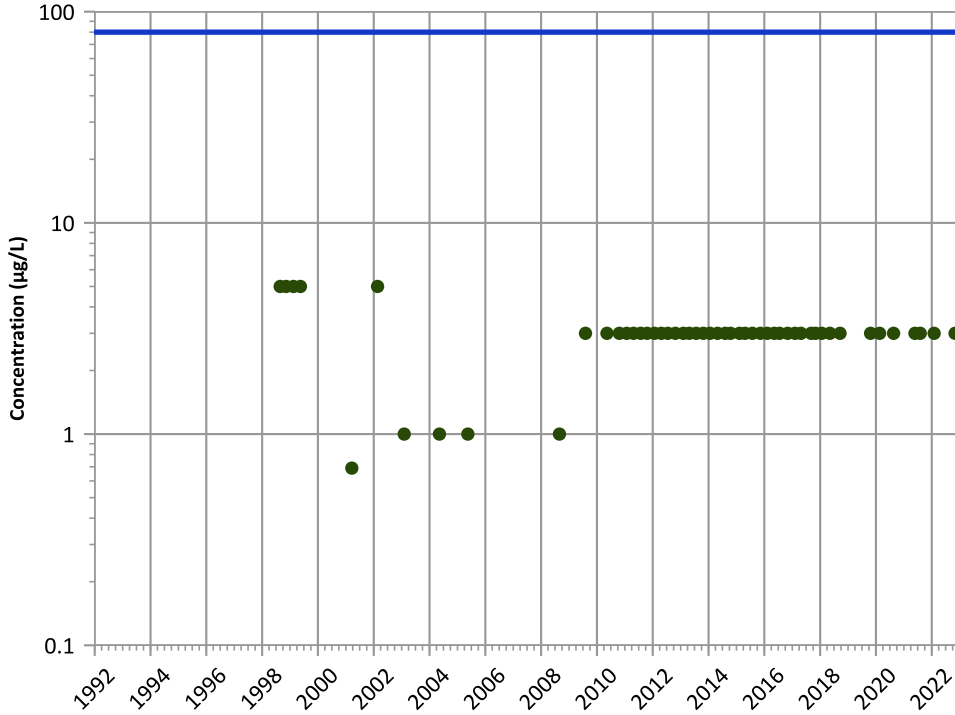
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend



**Concentration Trend**

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

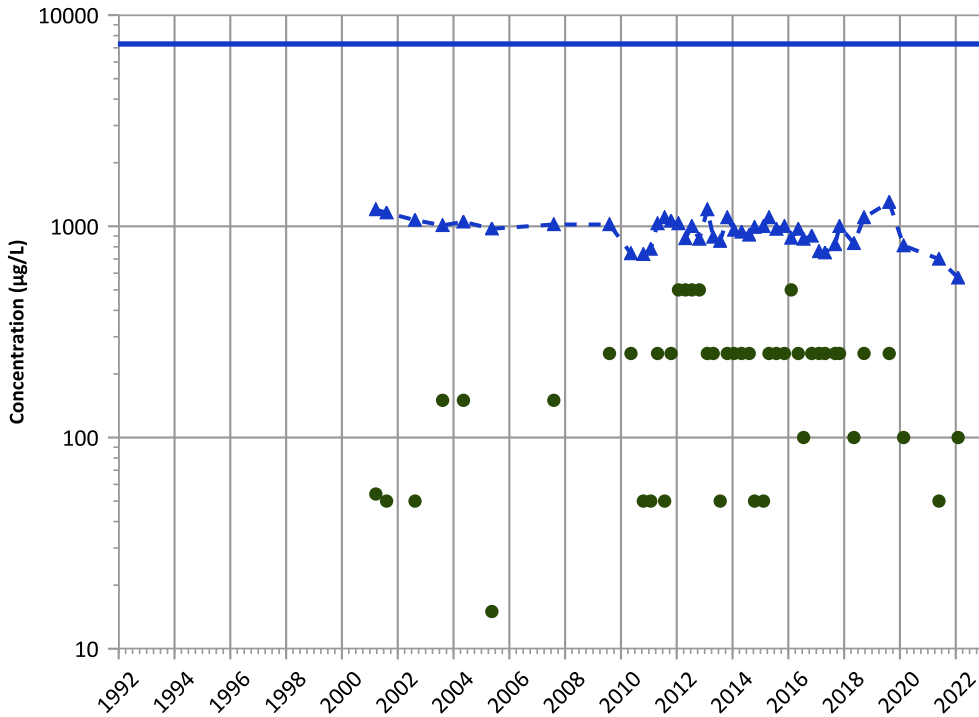
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



**Concentration Trend**

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

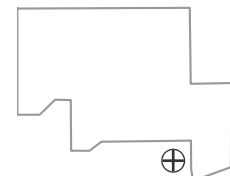
2020 - 2022 Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

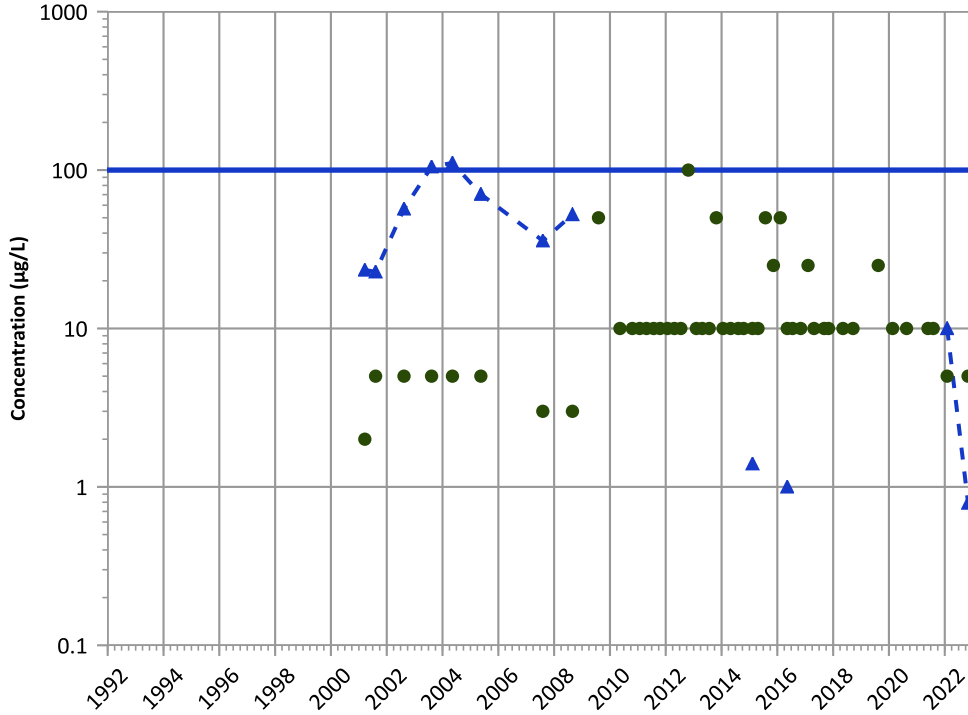
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

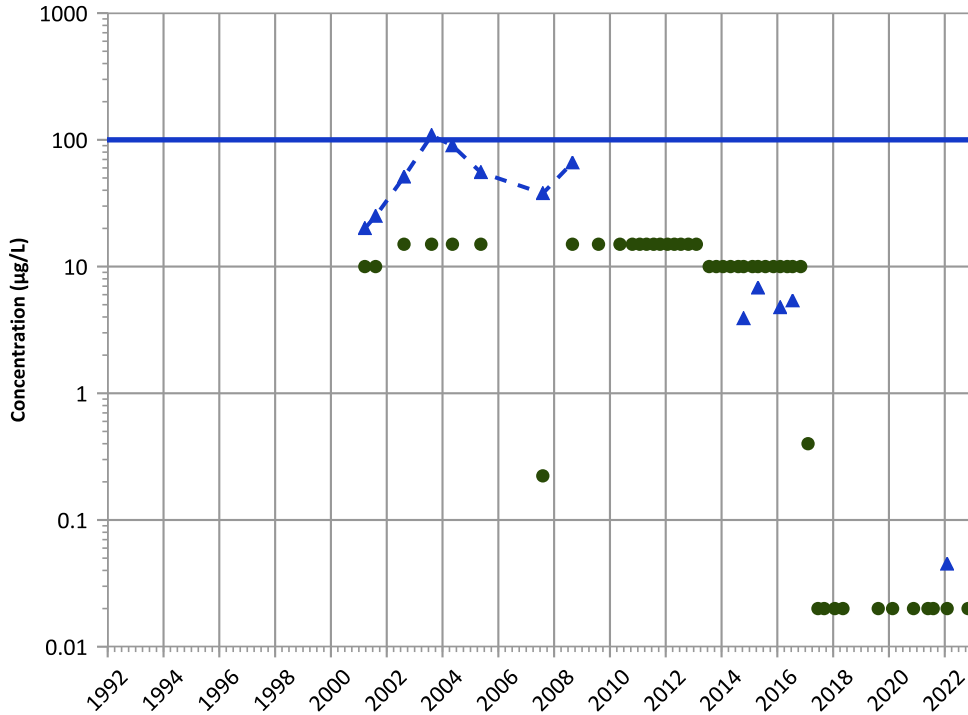


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend



Concentration Trend

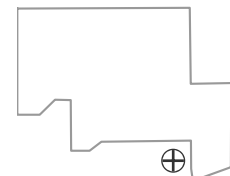
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

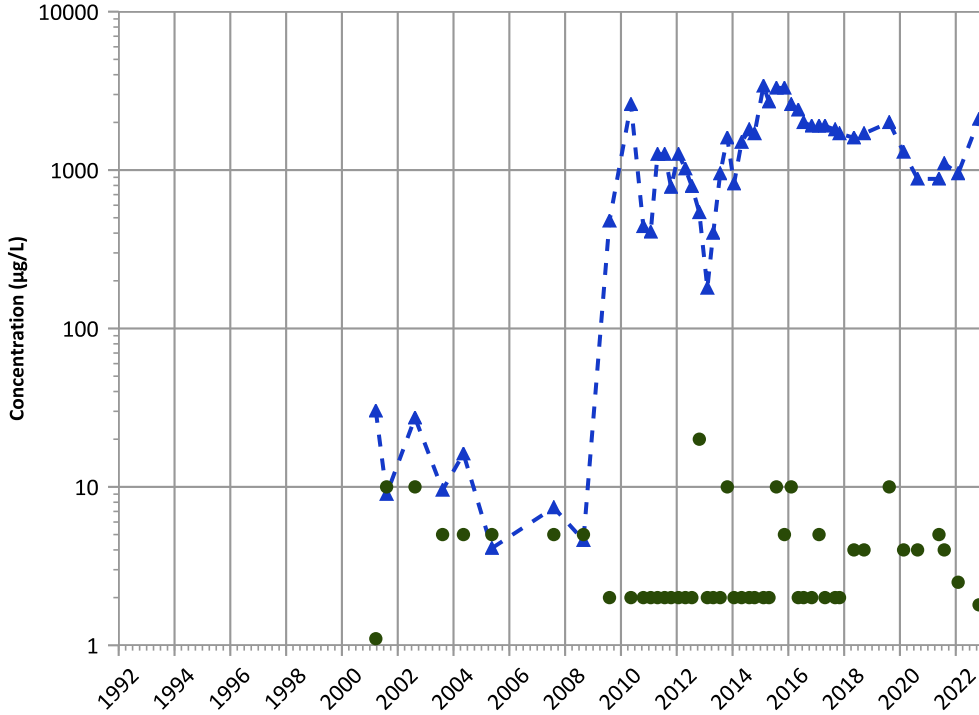
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

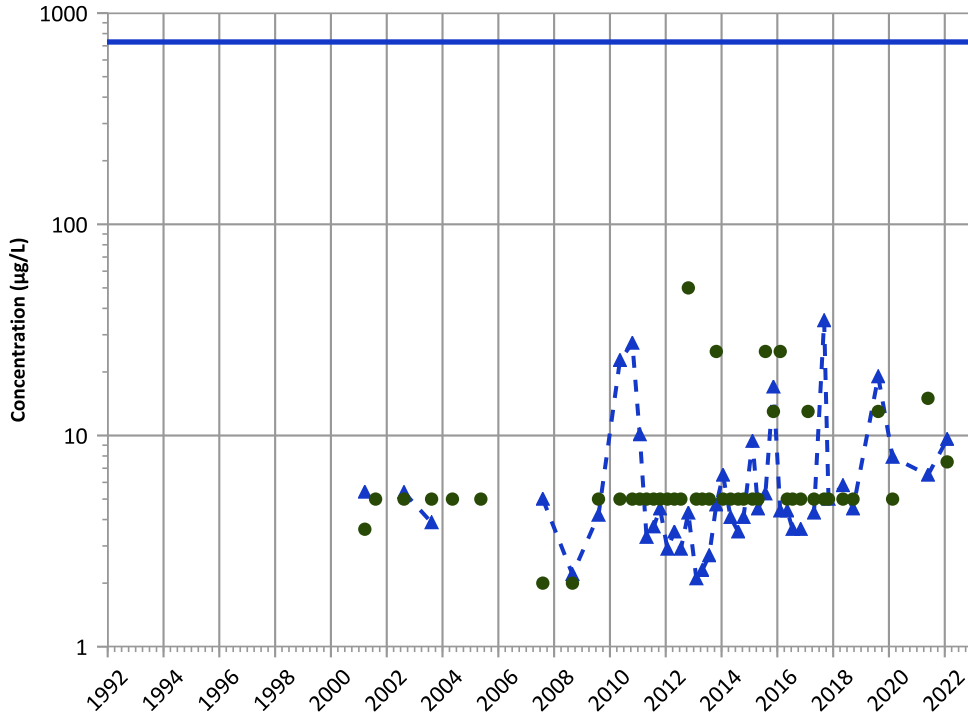
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

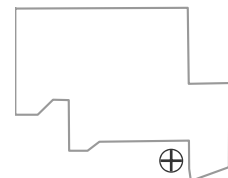
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

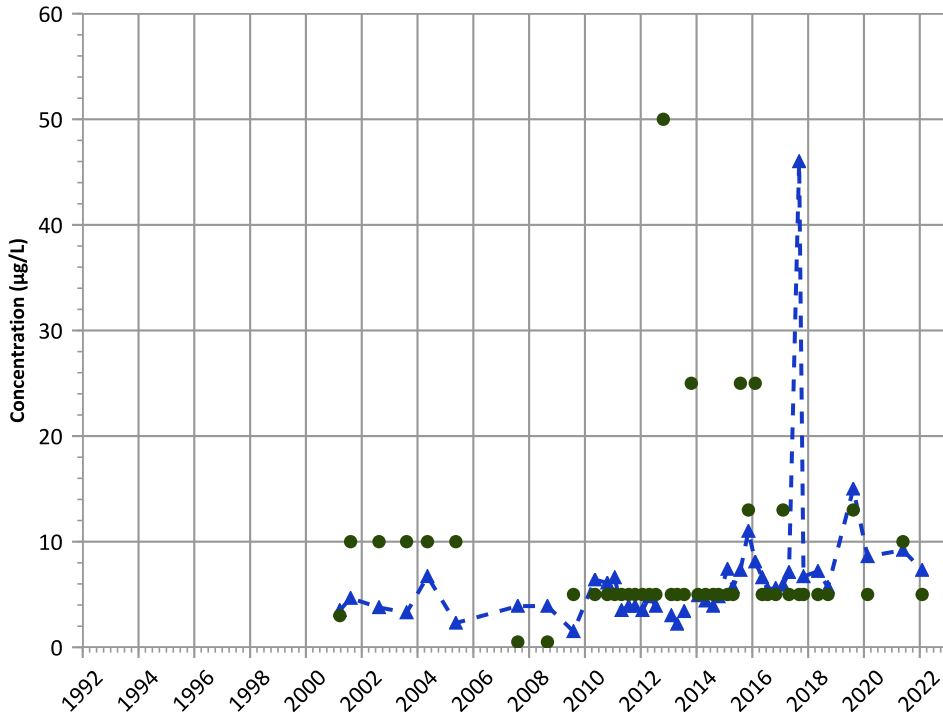
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

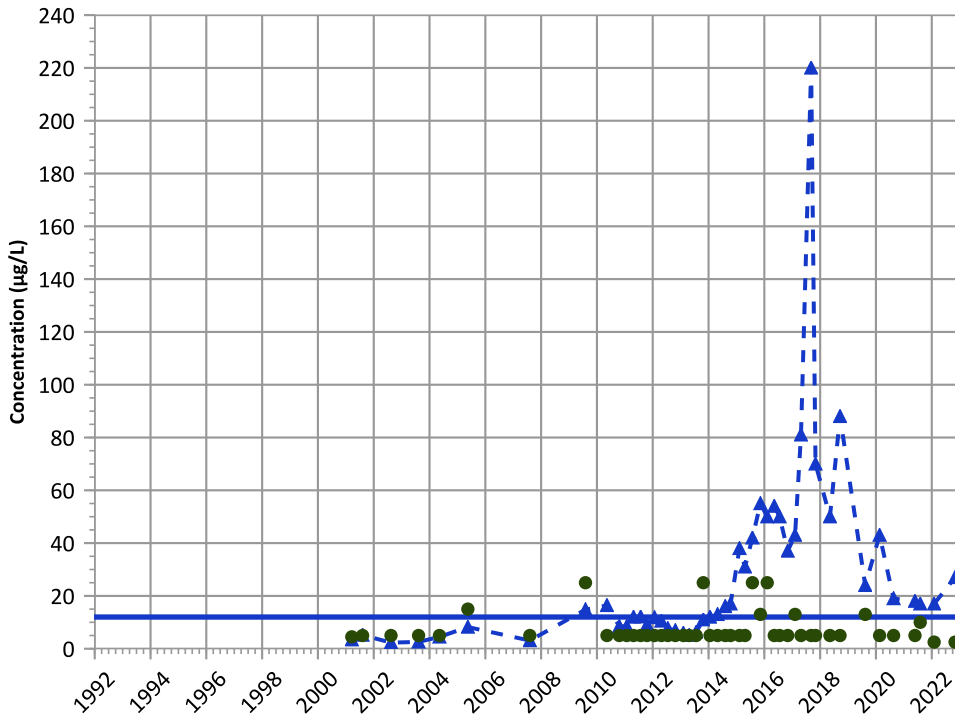
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

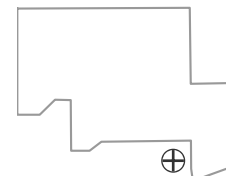
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

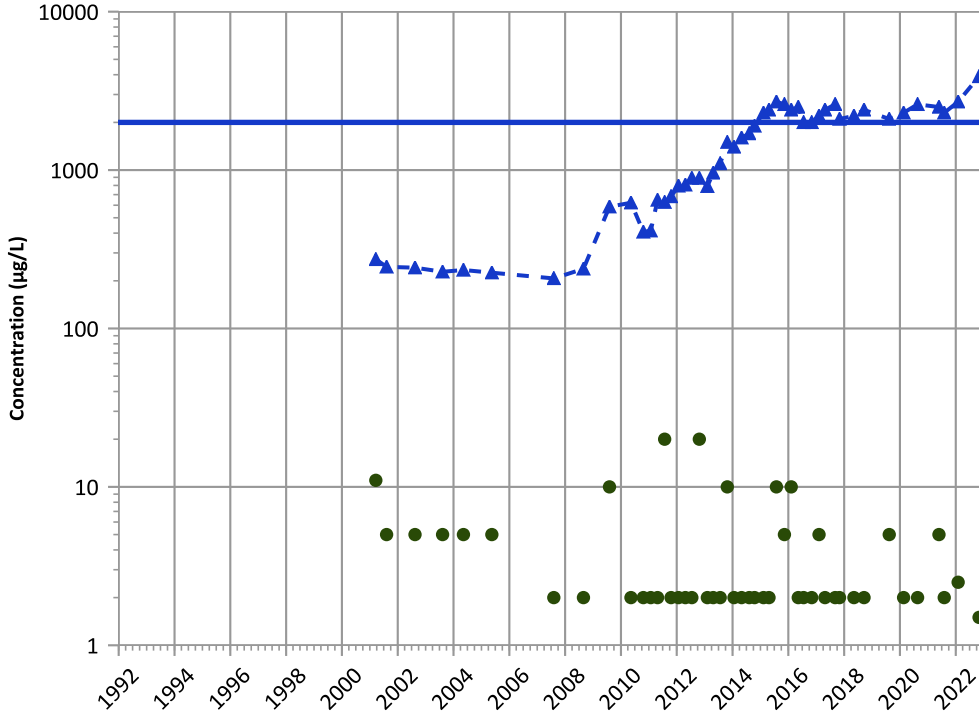


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1037 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

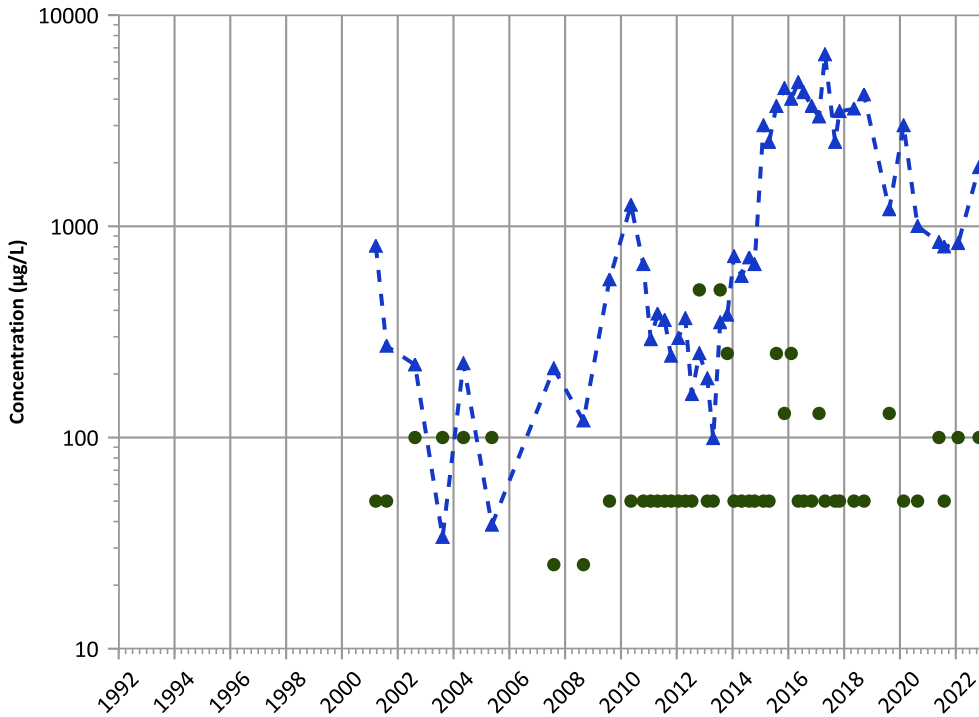


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Iron Trend



Concentration Trend

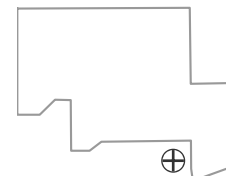
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

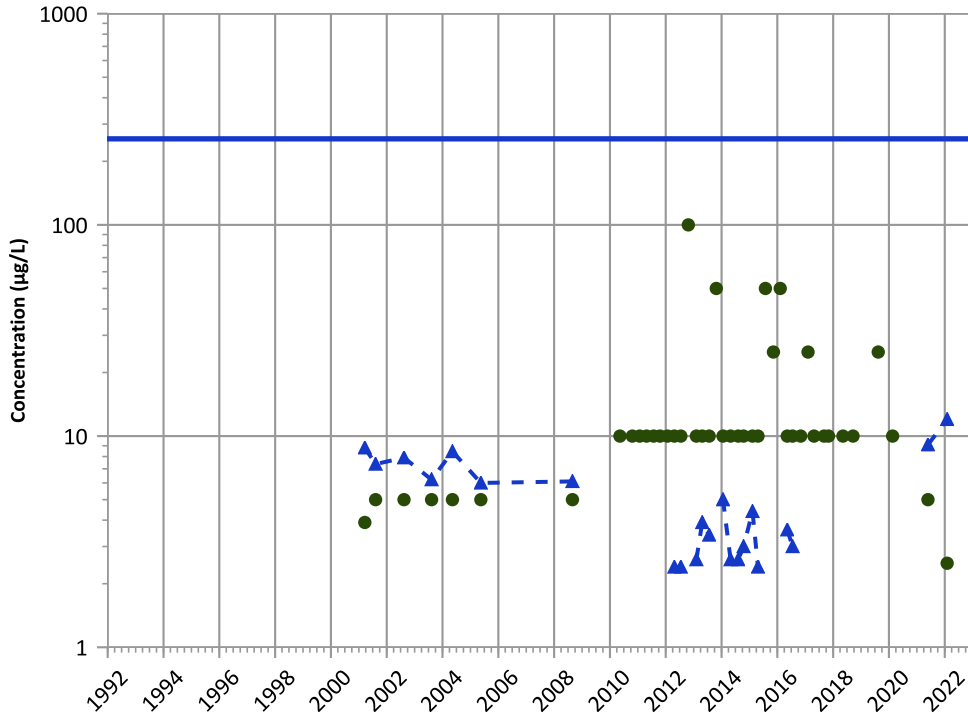
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/25/1998 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

Increasing

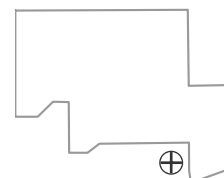
2020 - 2022 Data:

Increasing

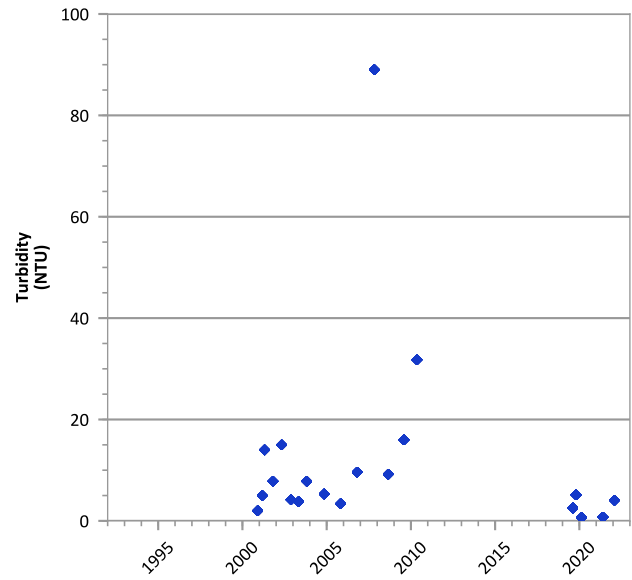
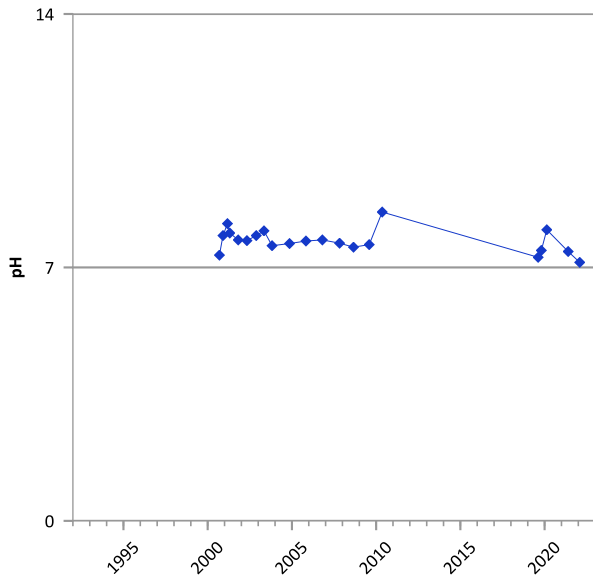
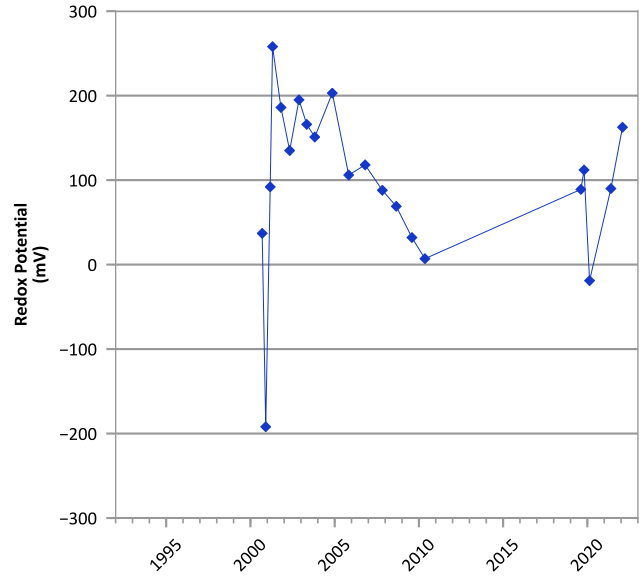
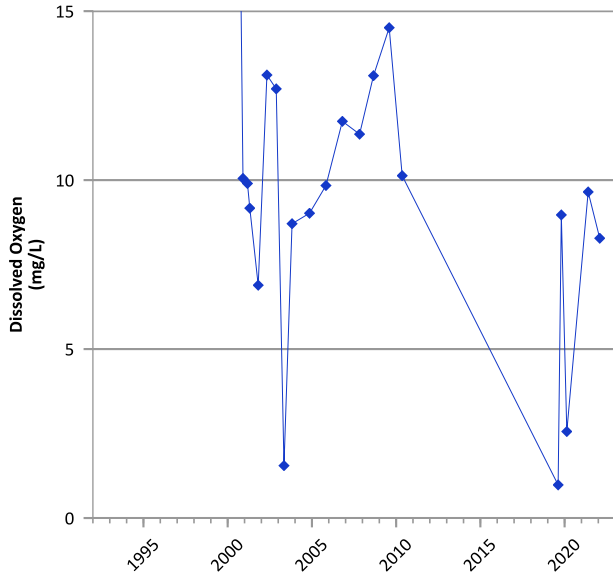
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/25/1998 to 11/02/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

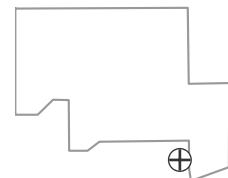


**PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/12/2000 to 02/01/2022  
 Analysis Date: 04/27/2023

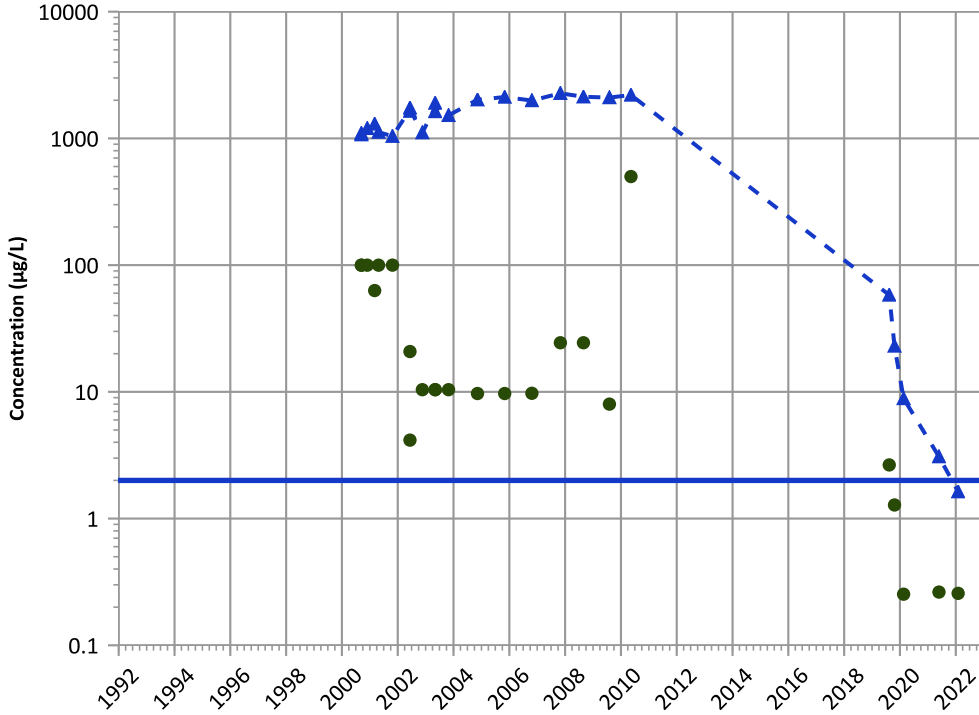
**Well Location**





PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

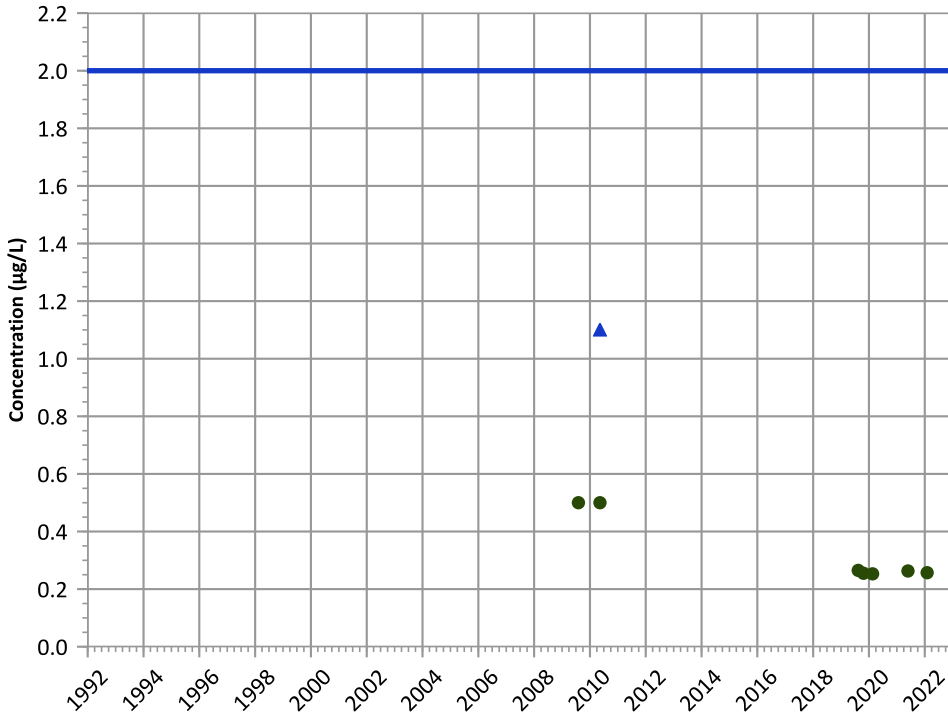


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

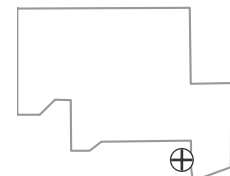
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

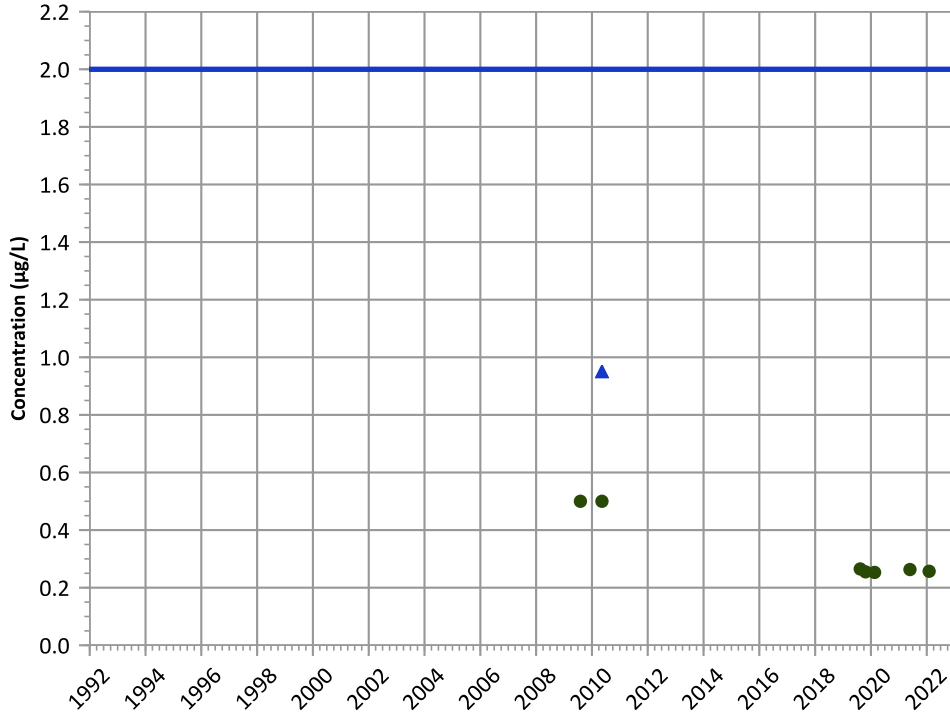
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

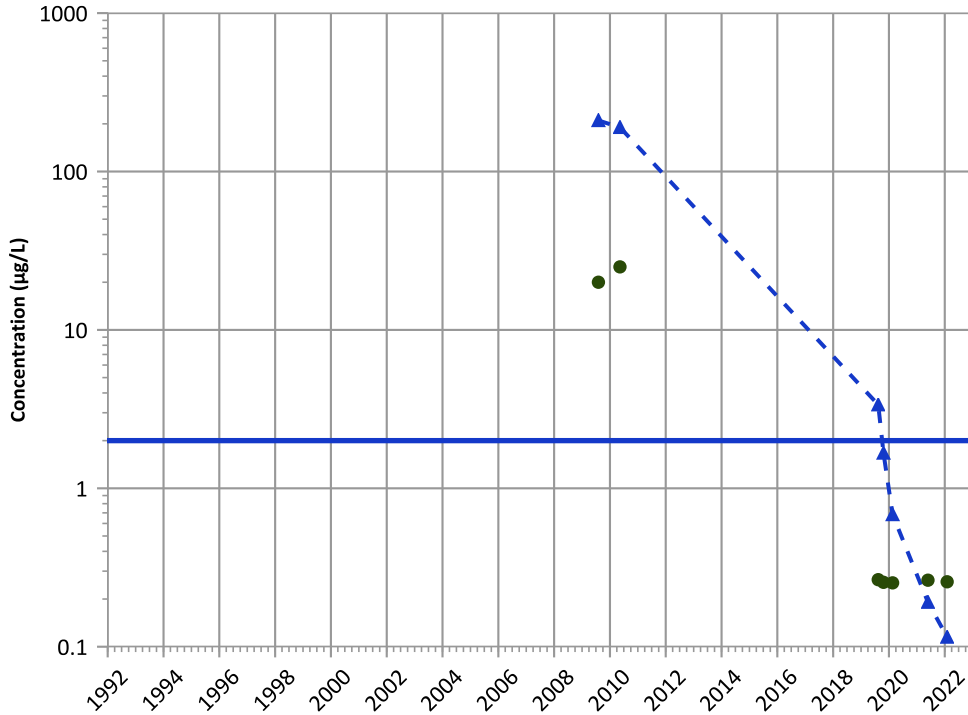


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

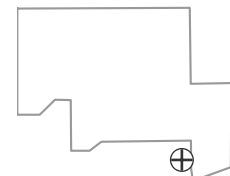
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

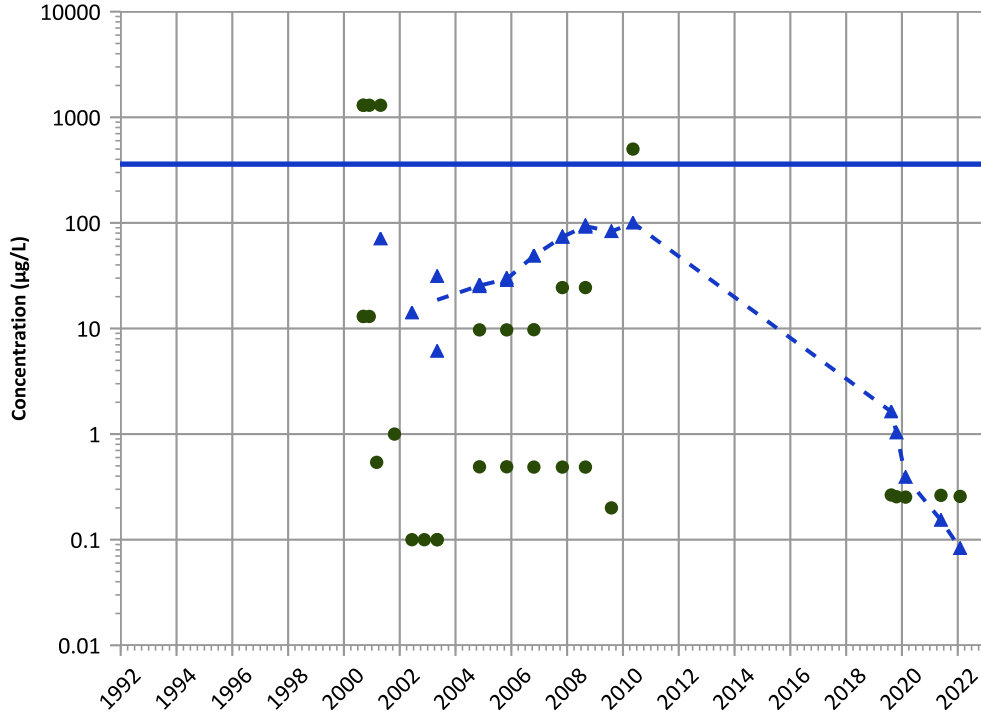
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



### PTX06-1045 in Perched Aquifer USDOE/NNSA Pantex Plant

#### HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



#### Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

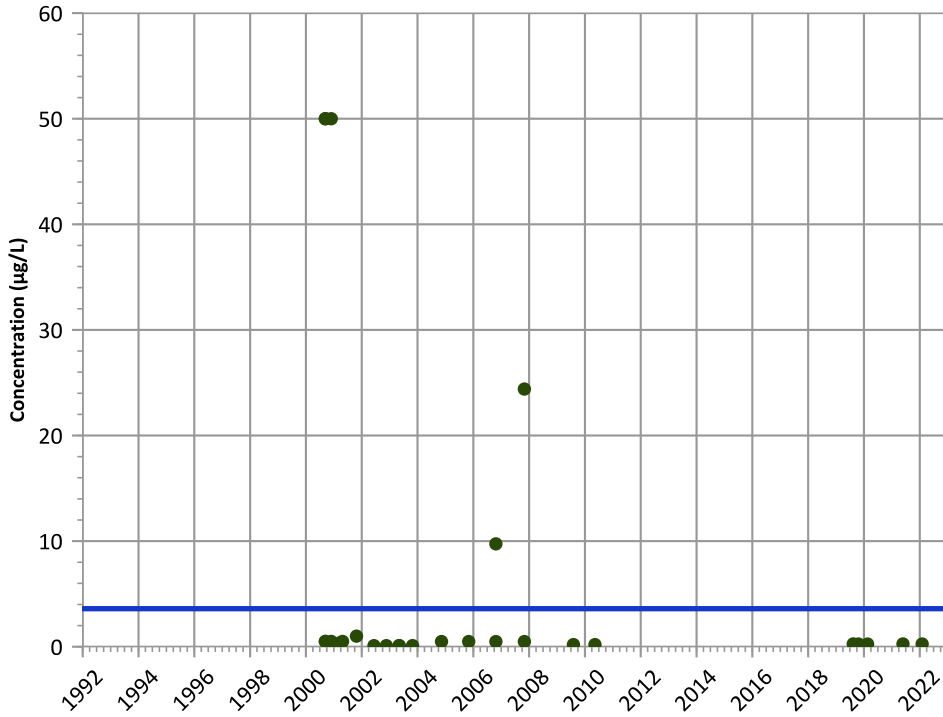
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

#### TNT (2,4,6-Trinitrotoluene) Trend



#### Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

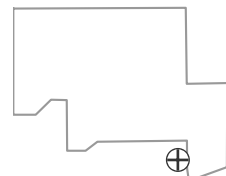
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

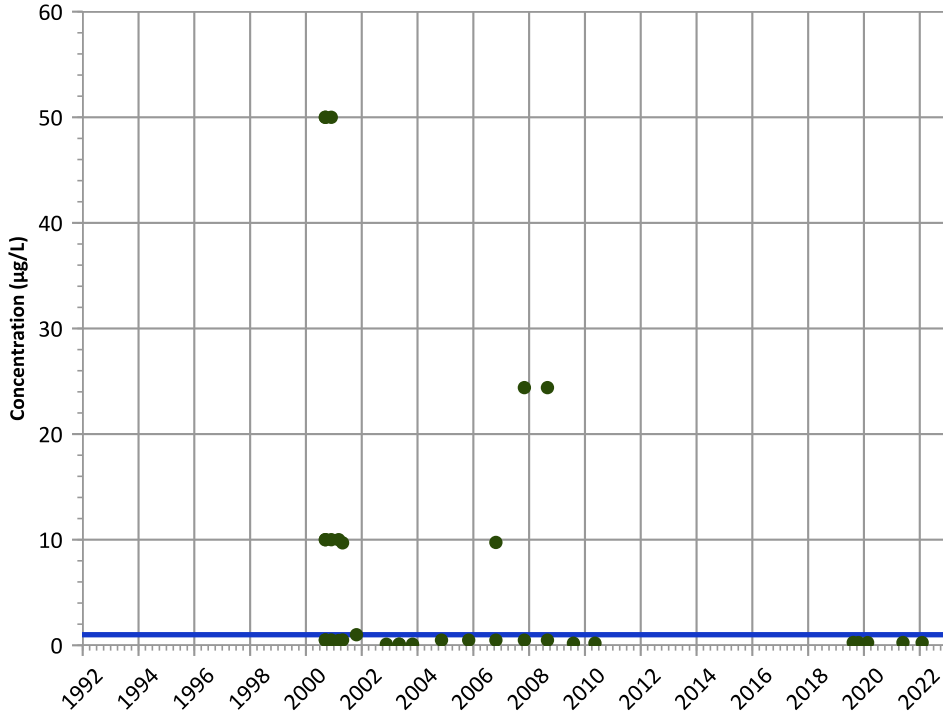
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

#### Well Location



PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

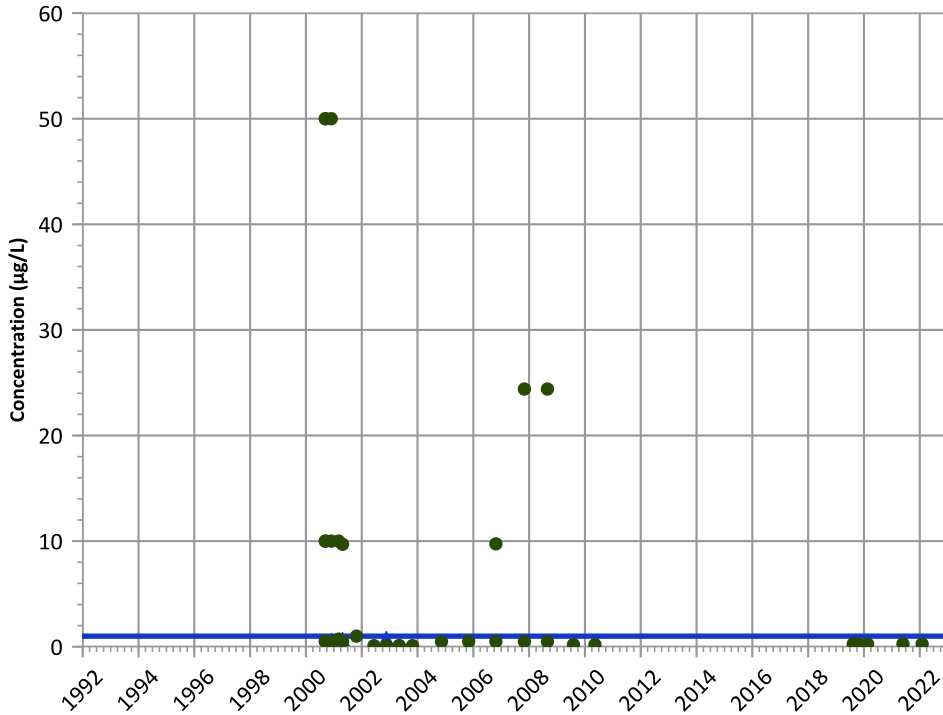
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

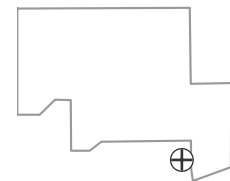
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

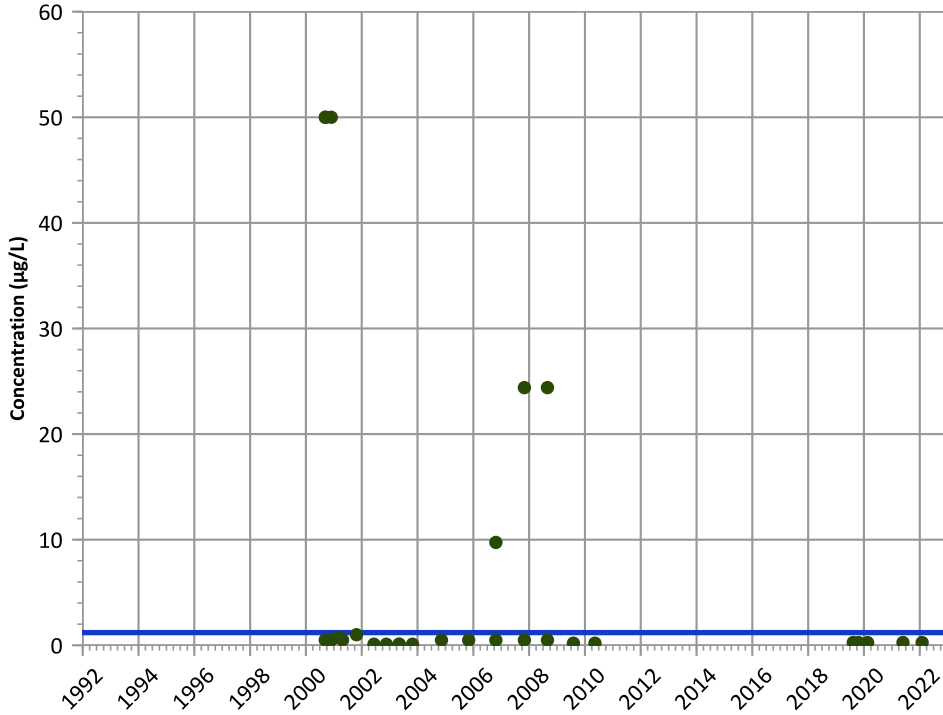


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

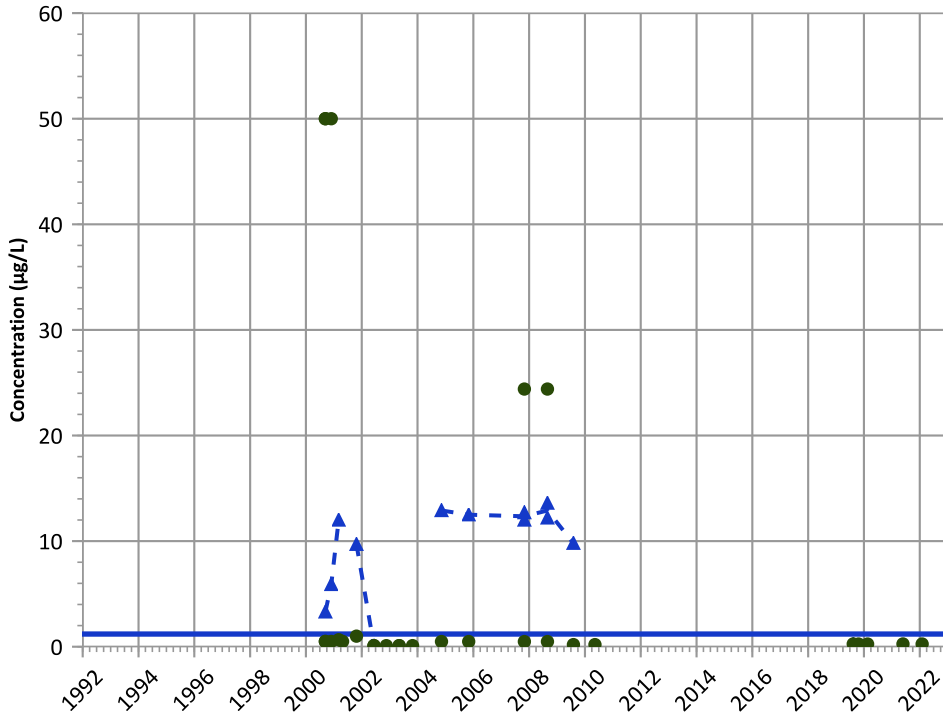
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

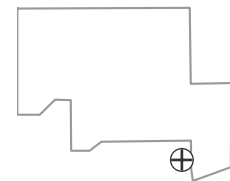
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

Probably Decreasing

Well Location

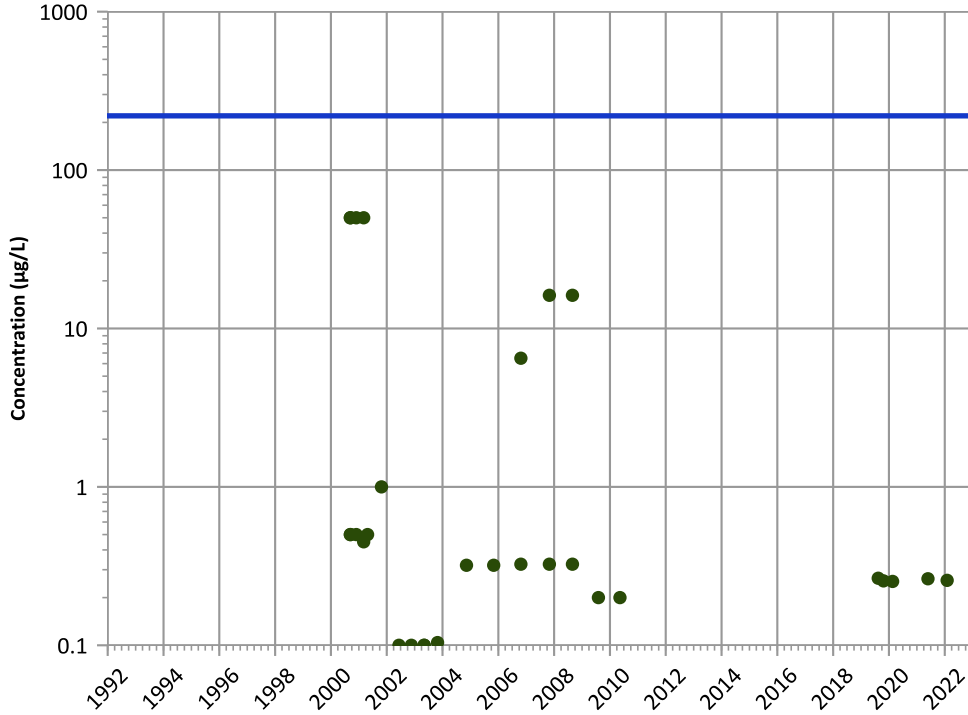


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

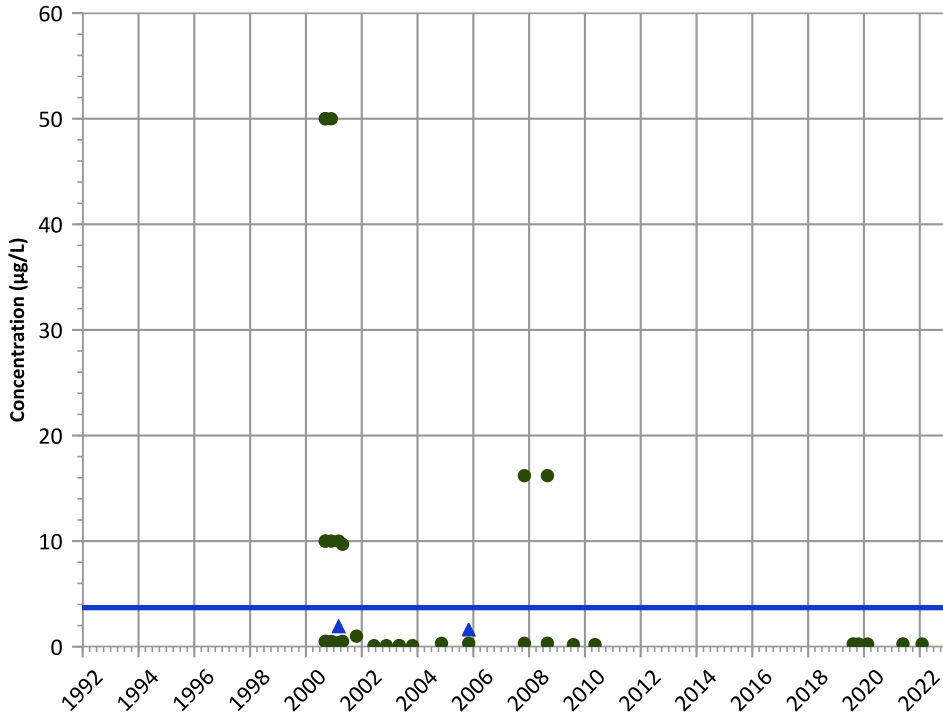
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

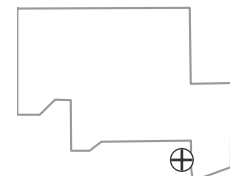
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

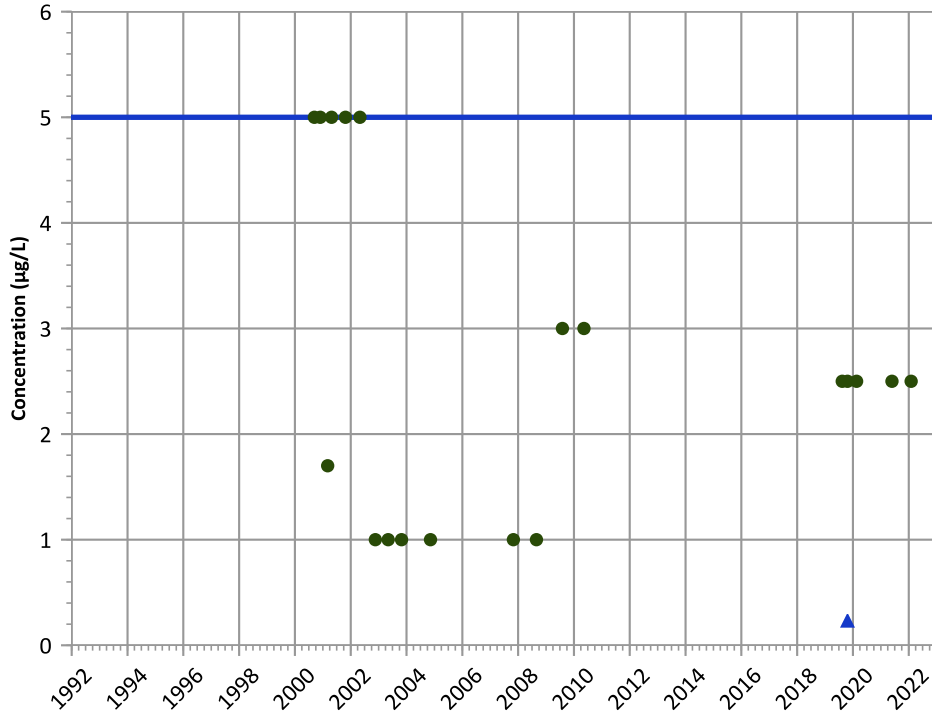
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

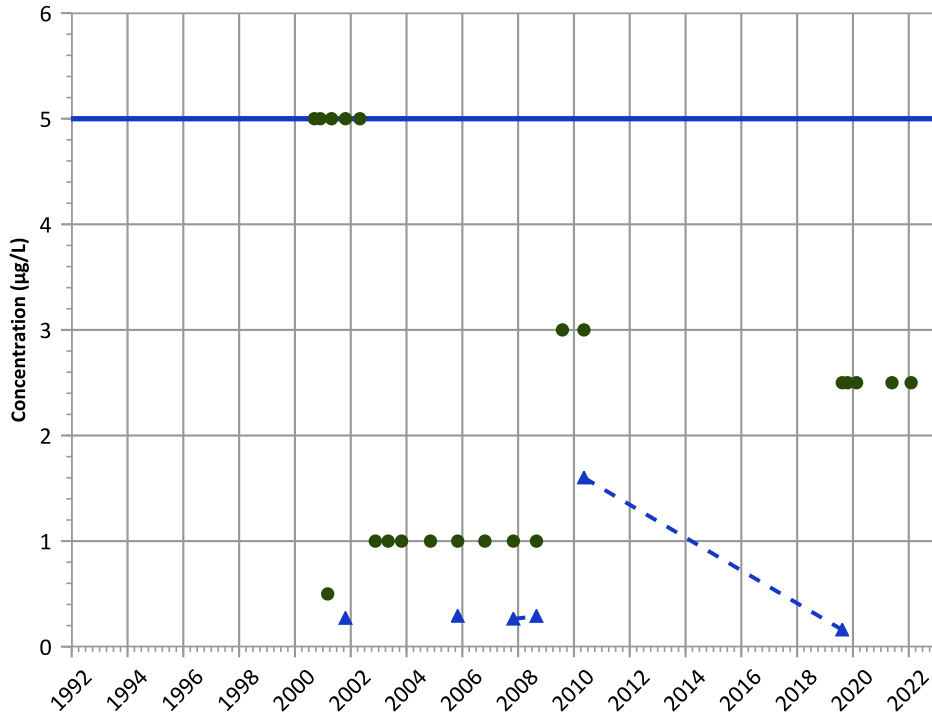


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**

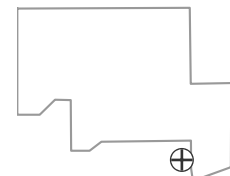


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

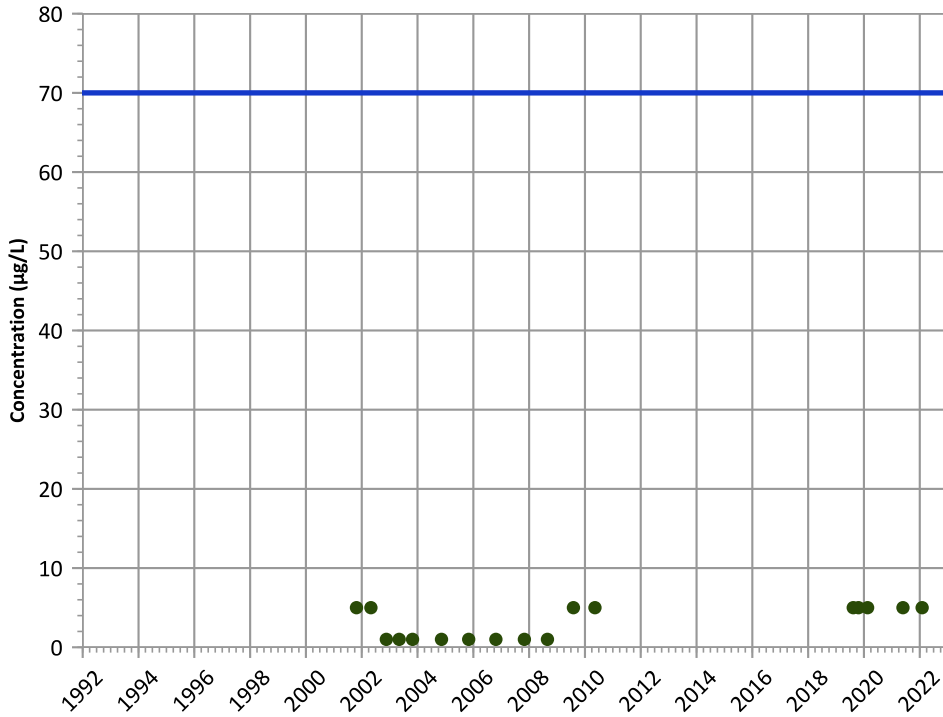
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

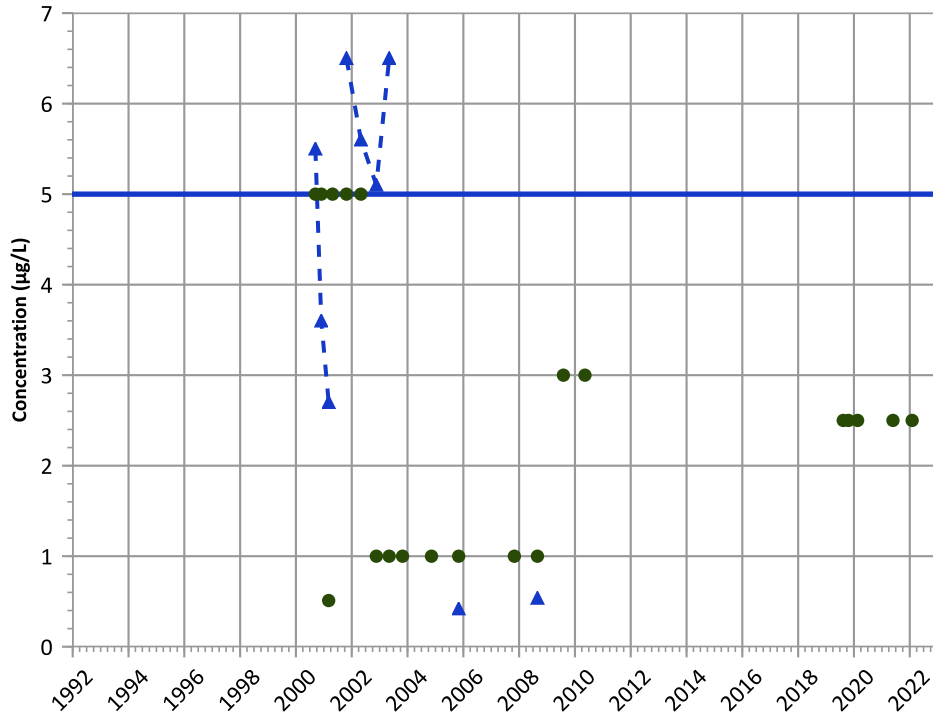
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

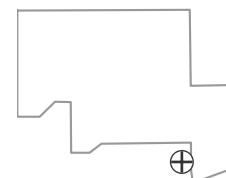
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

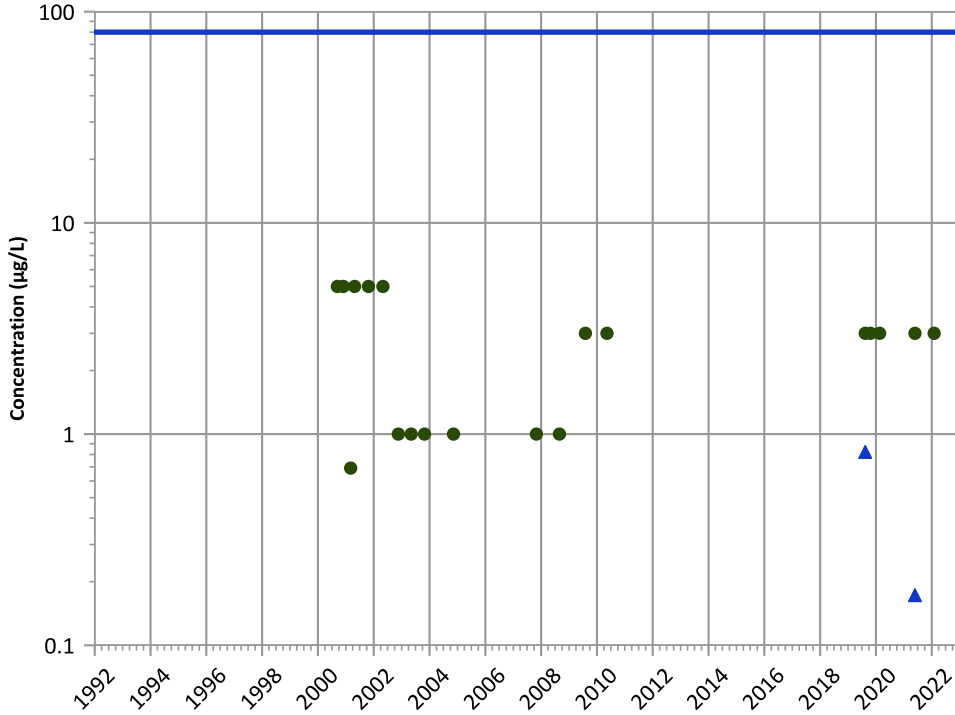
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

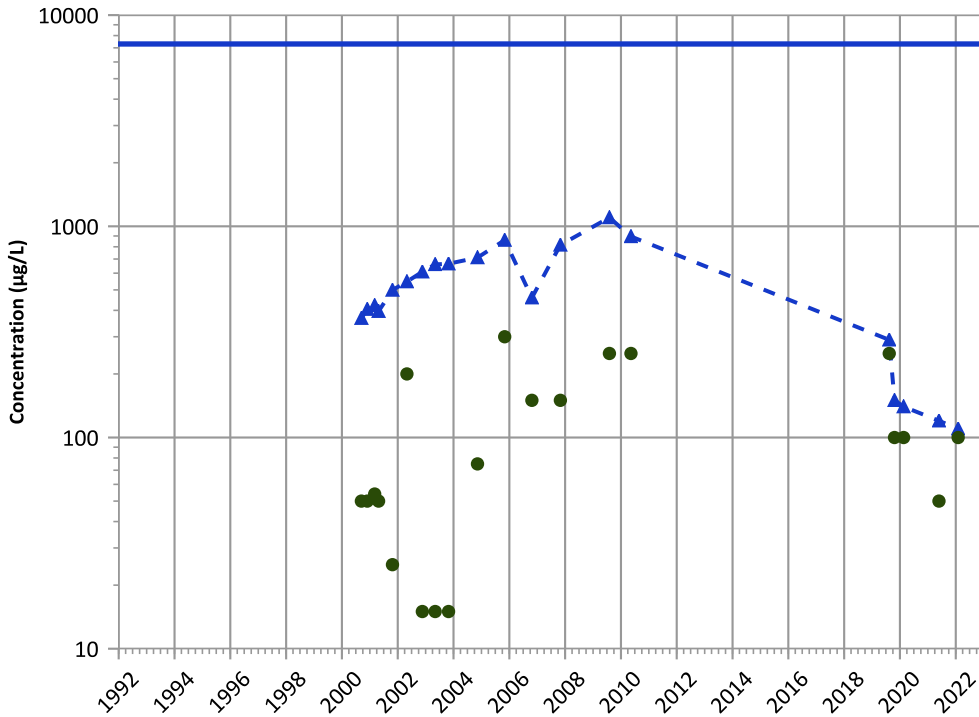


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

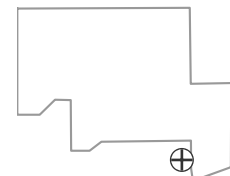
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

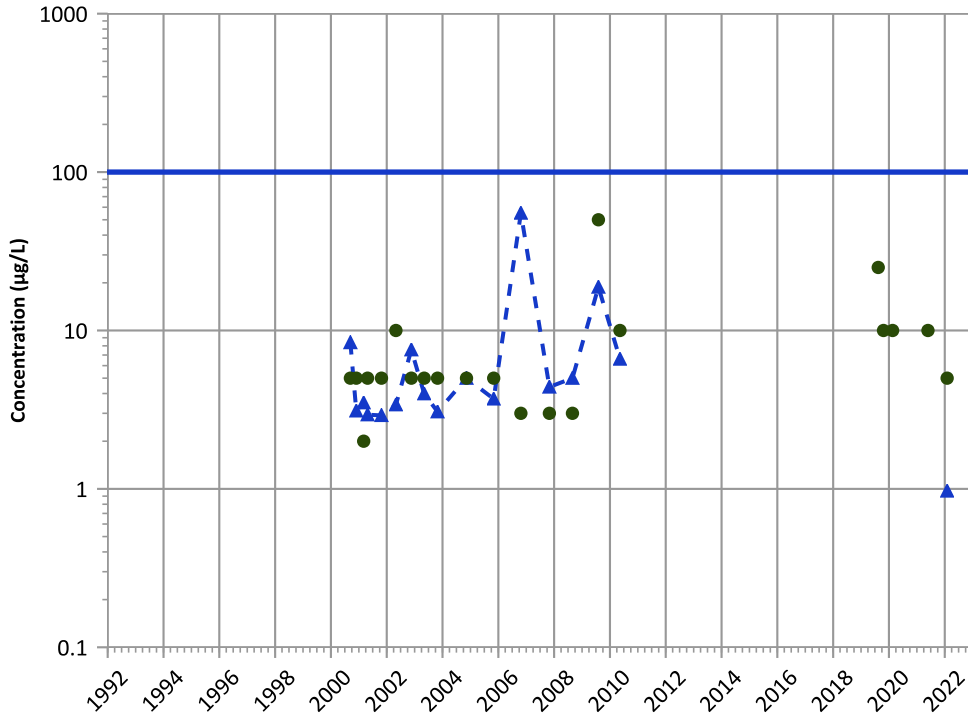
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend

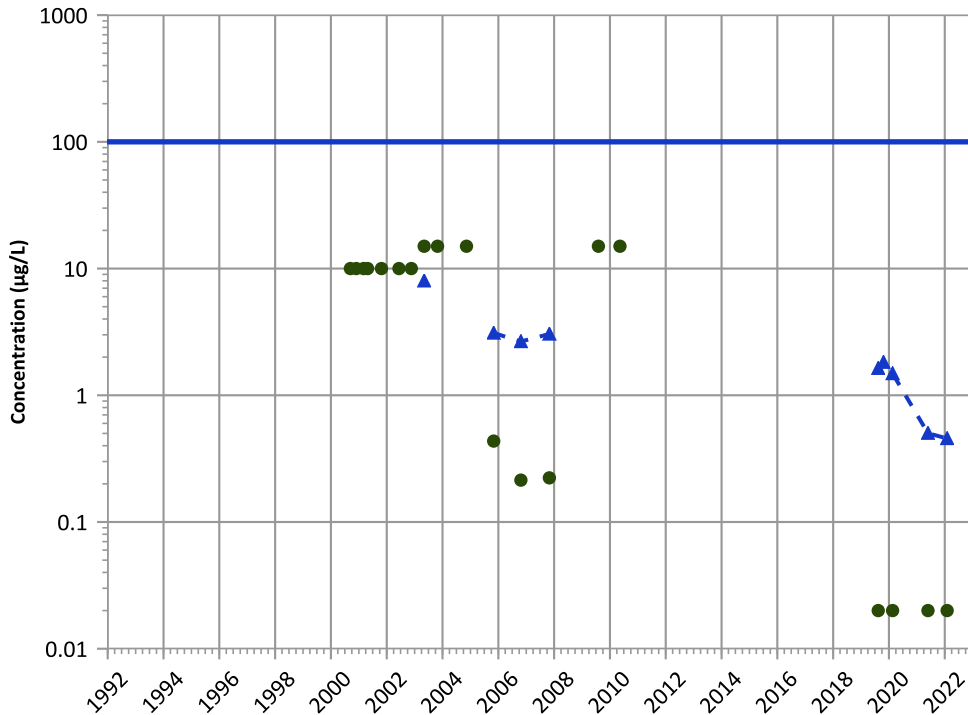


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Chromium, Hexavalent Trend

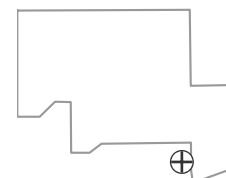


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Well Location

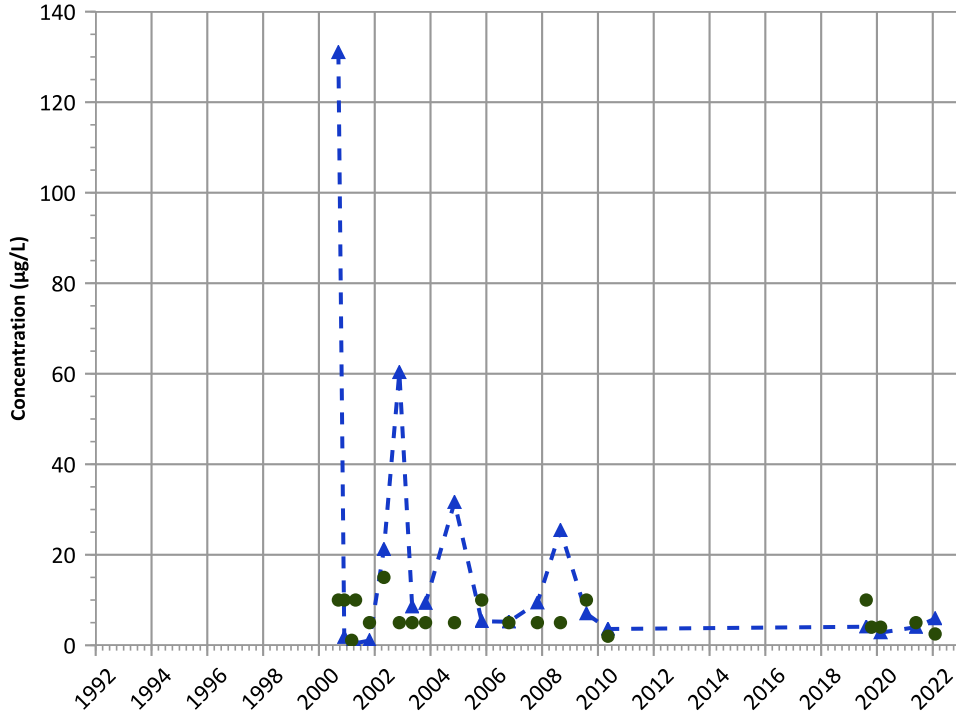


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

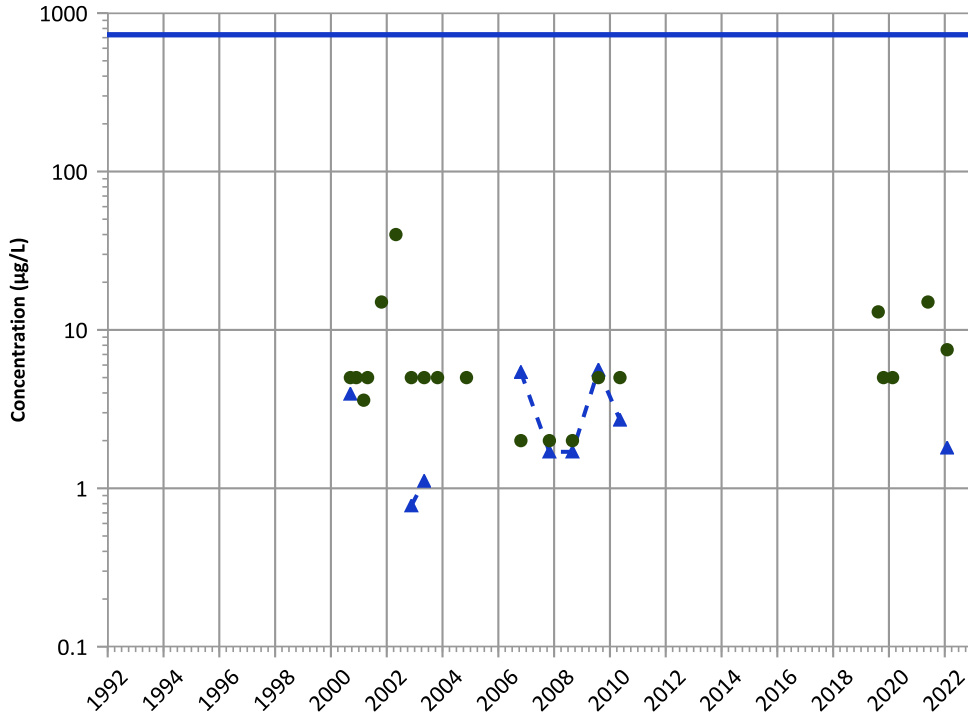


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Nickel Trend

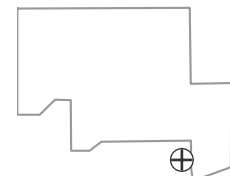


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Well Location

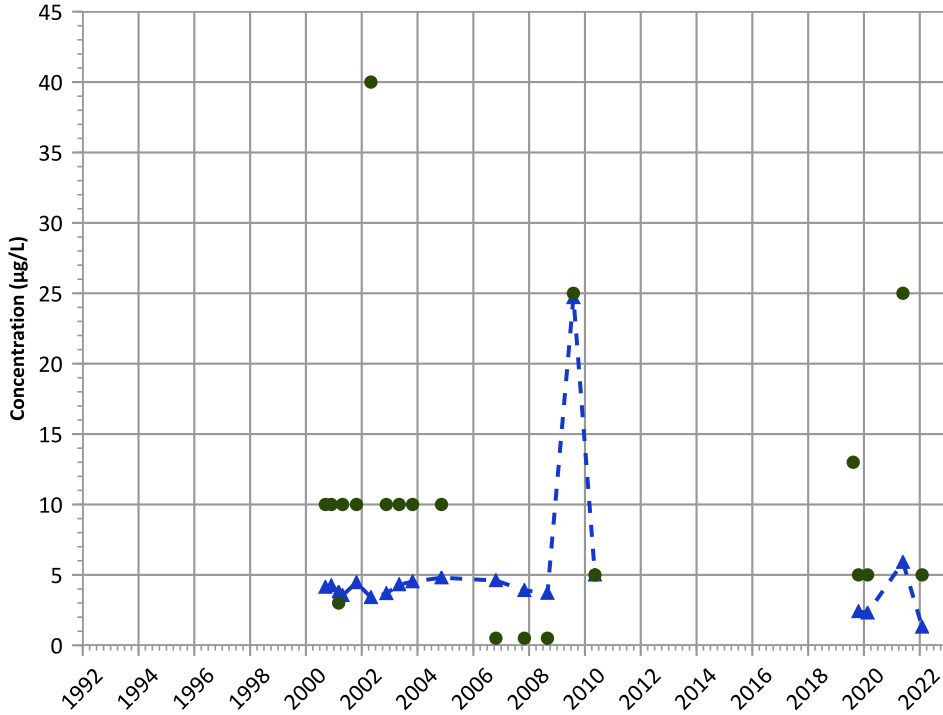


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

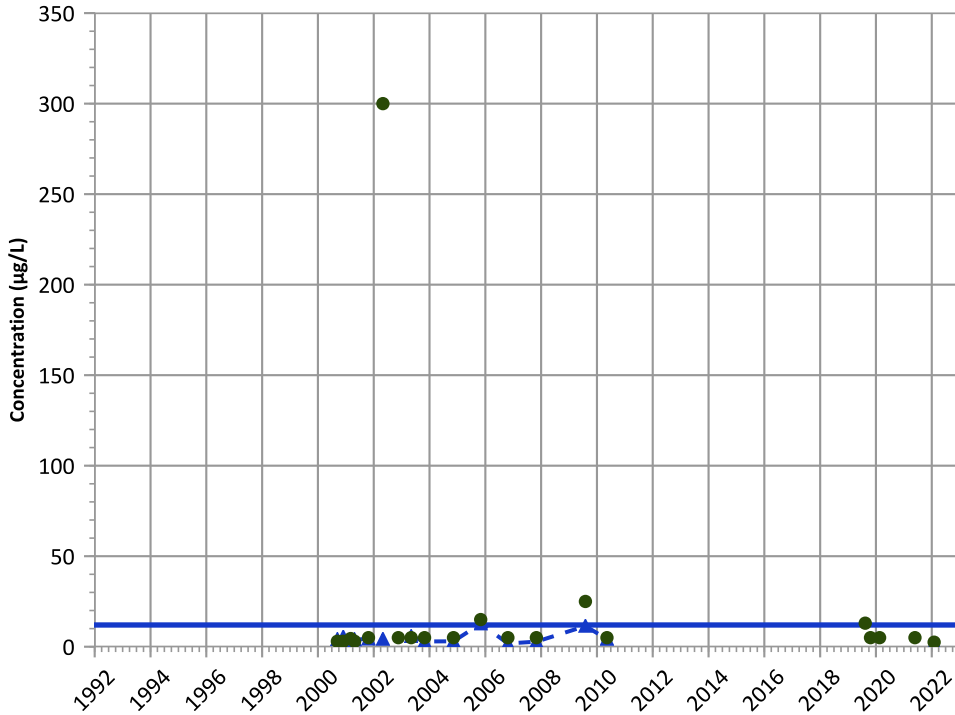


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Arsenic Trend

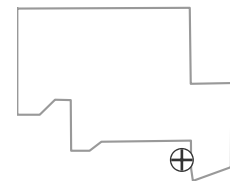


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
Stable

Well Location

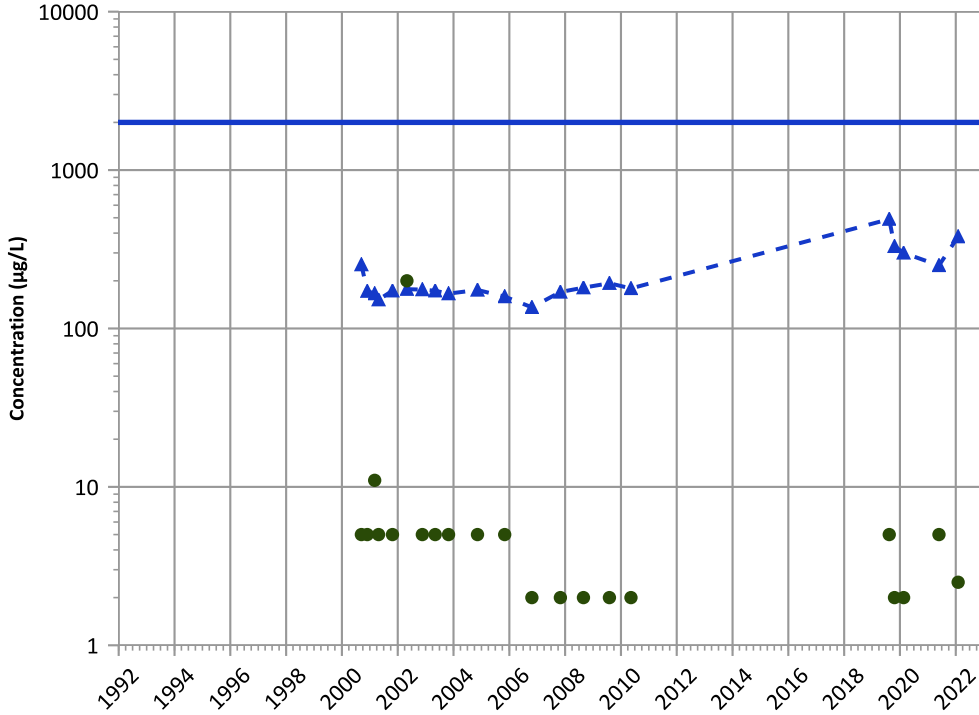


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1045 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

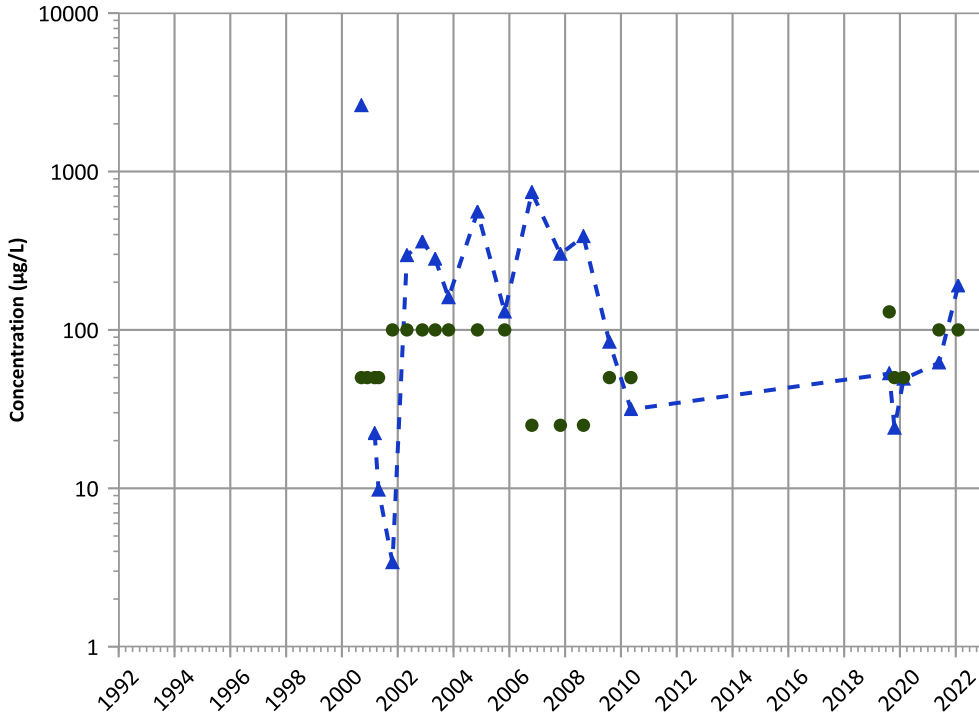


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

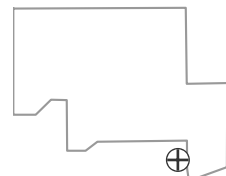
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

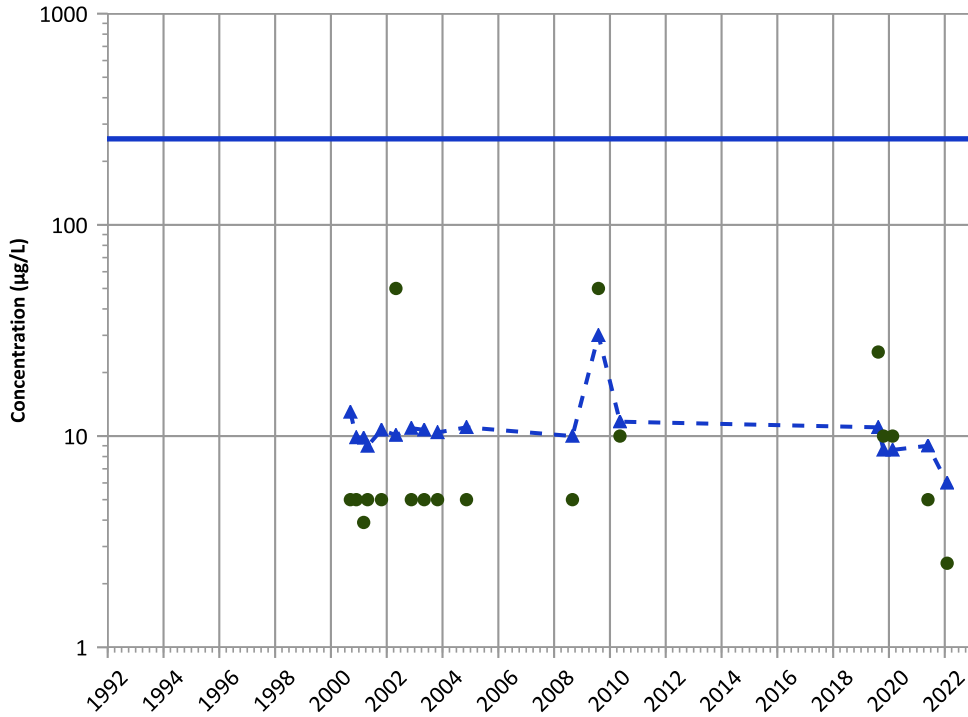
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/12/2000 to 02/01/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1045 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

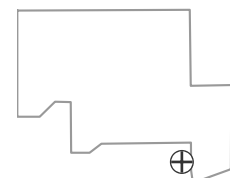
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 No Trend

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 Decreasing  
 2020 - 2022 Data:  
 Stable

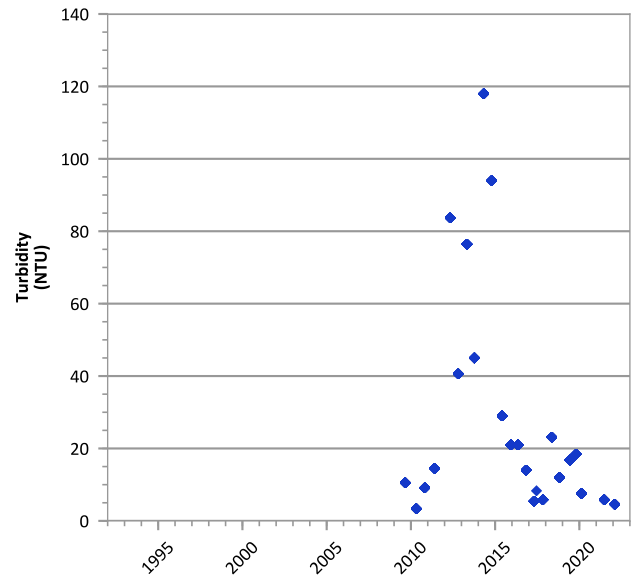
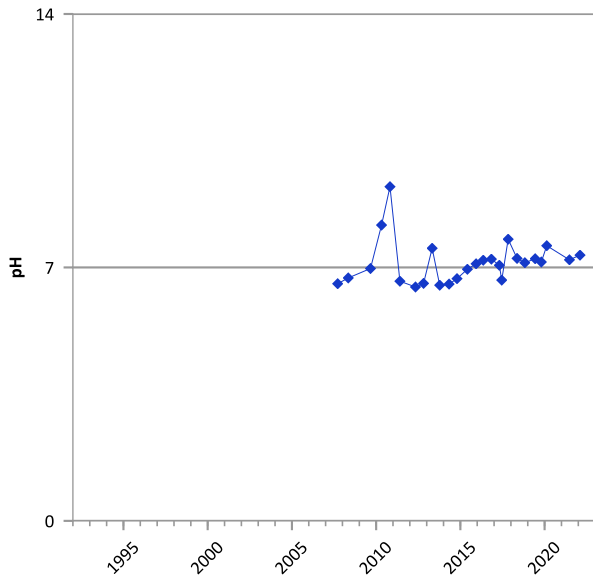
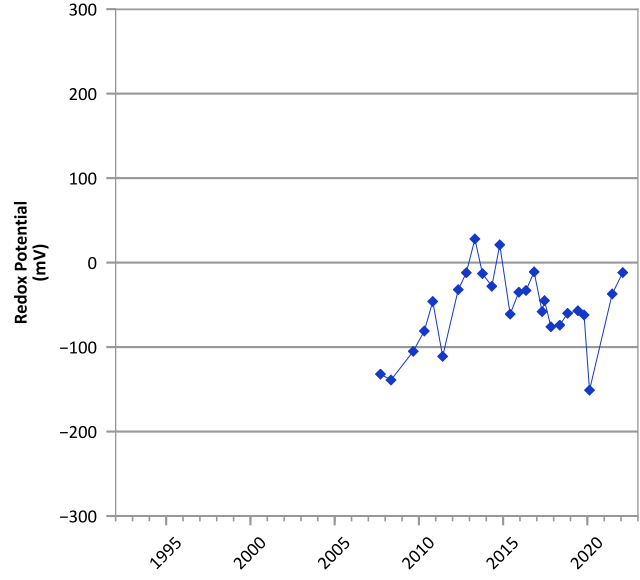
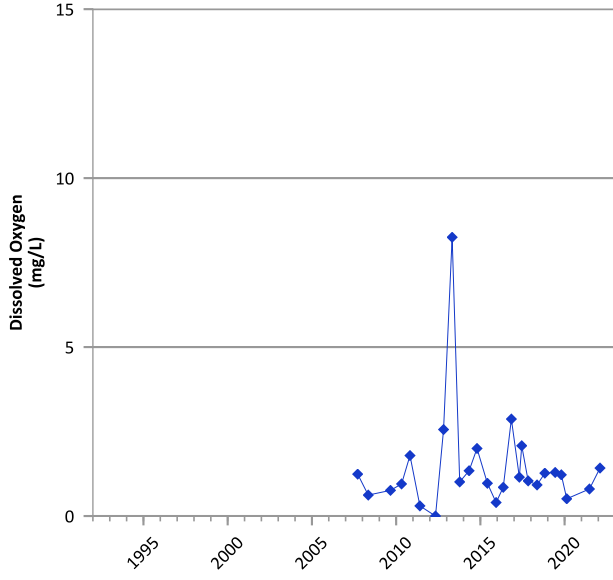
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/12/2000 to 02/01/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

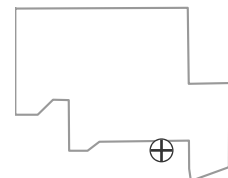


**PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



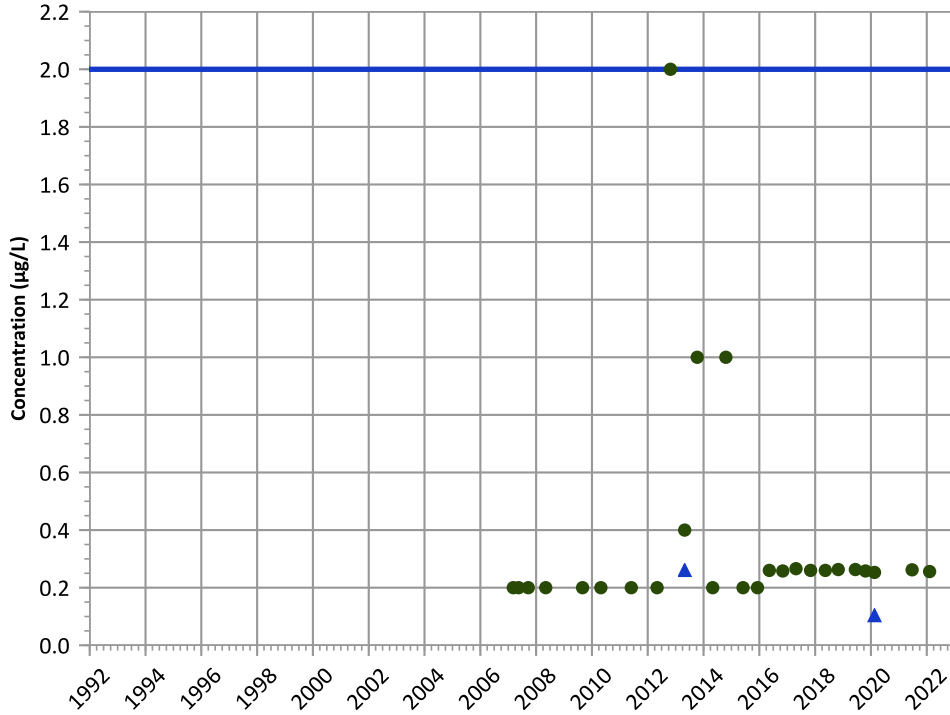
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 03/08/2007 to 02/07/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

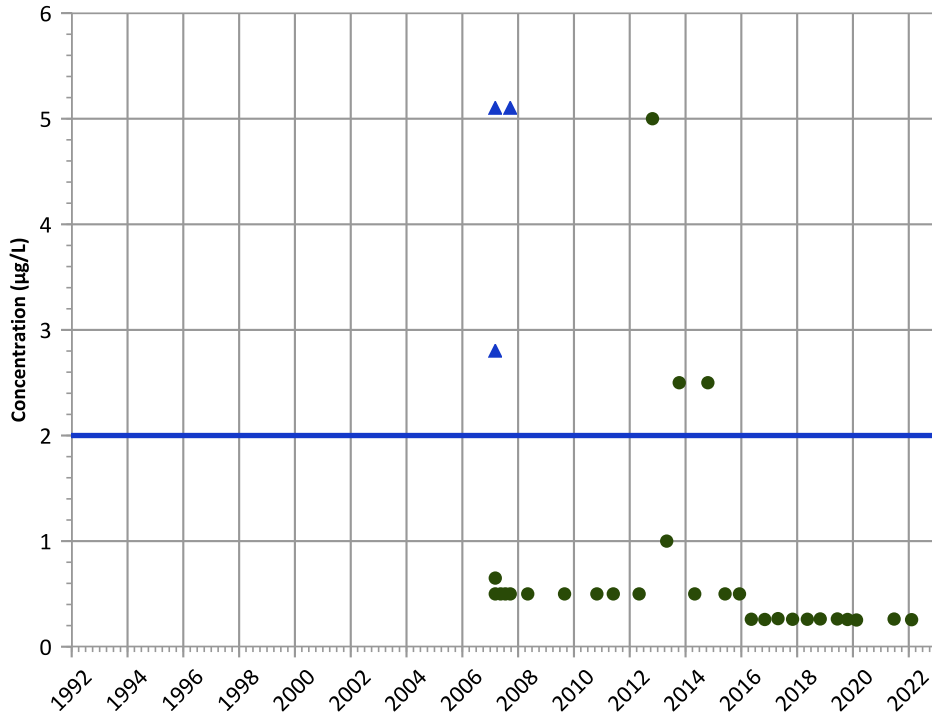


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

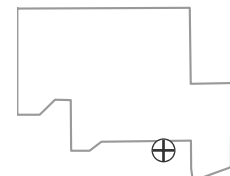
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

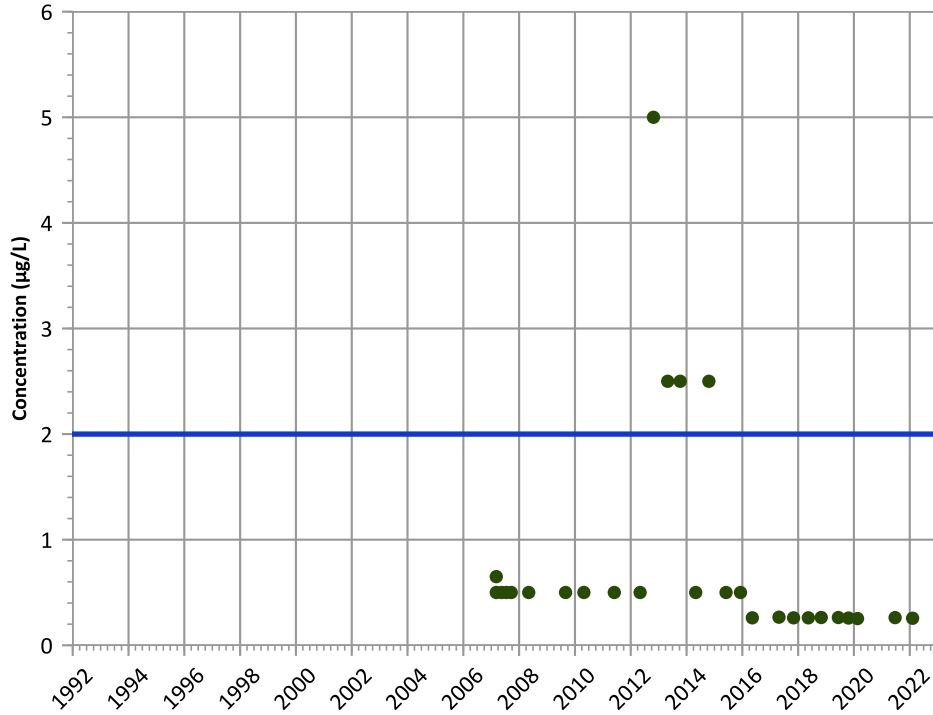
Well Location





PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

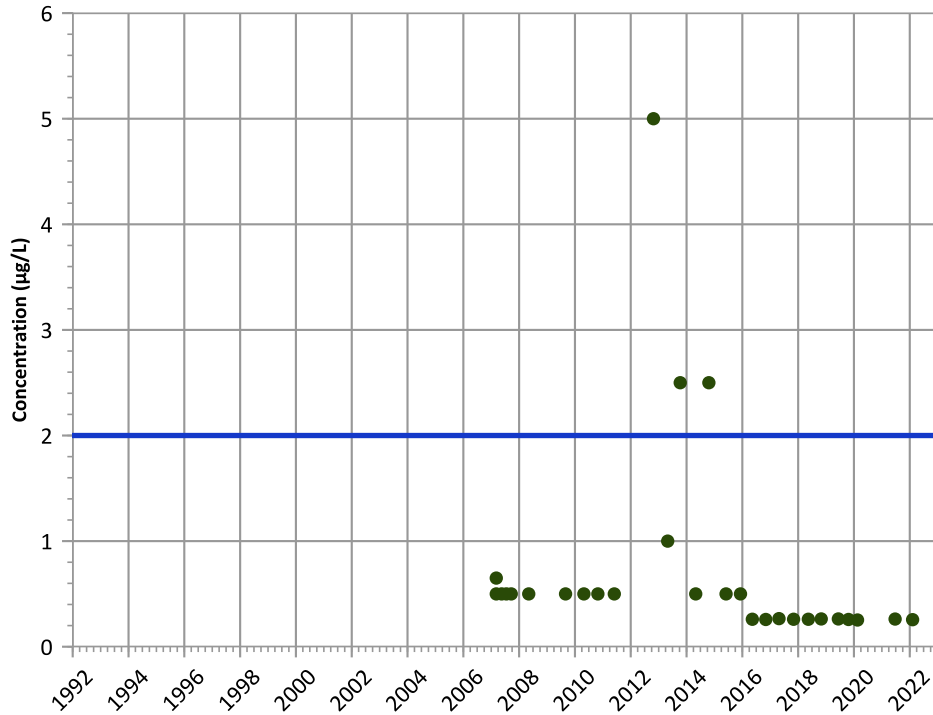
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

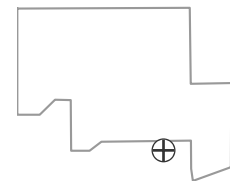
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

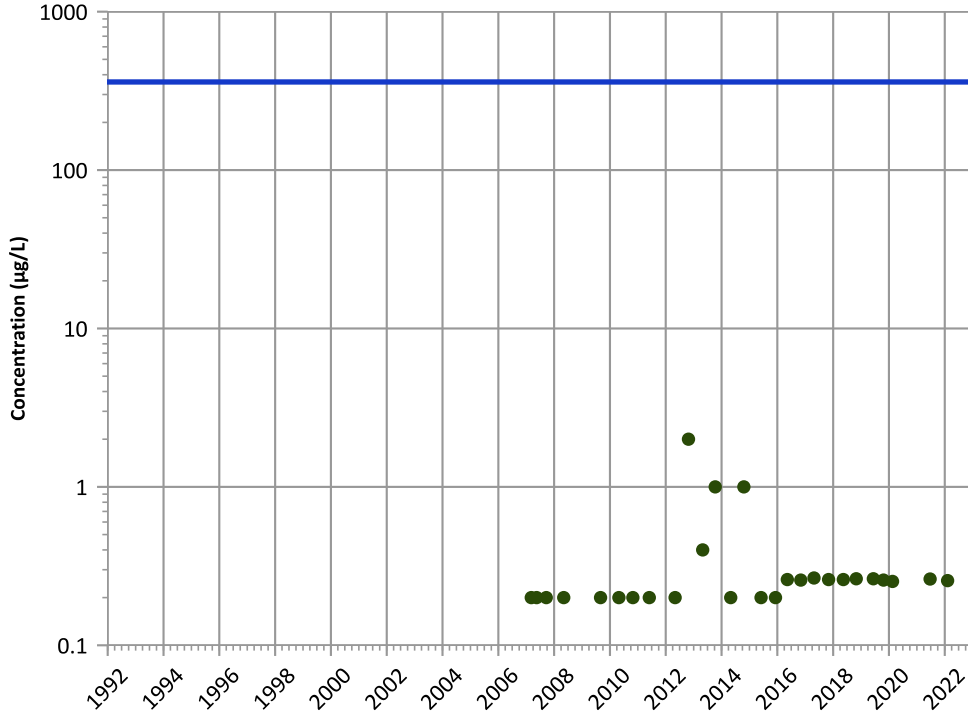


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

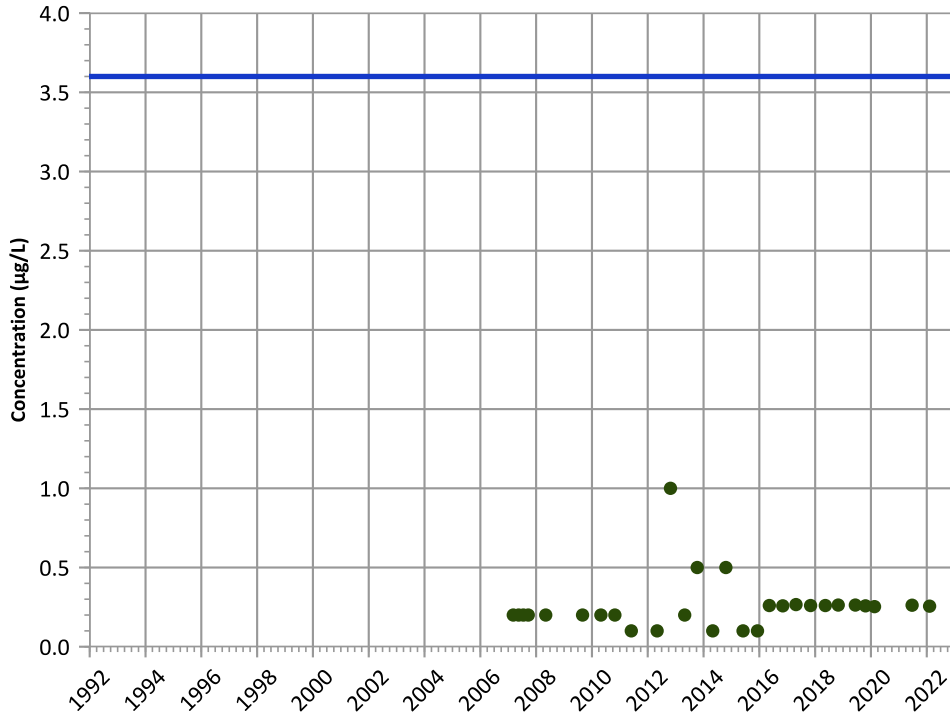
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

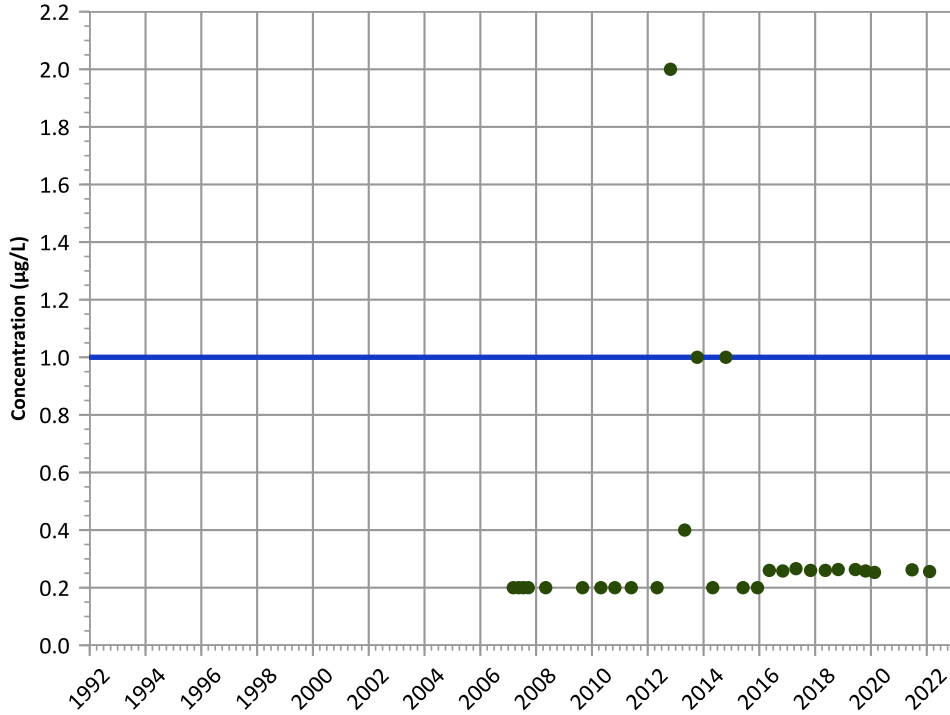
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend

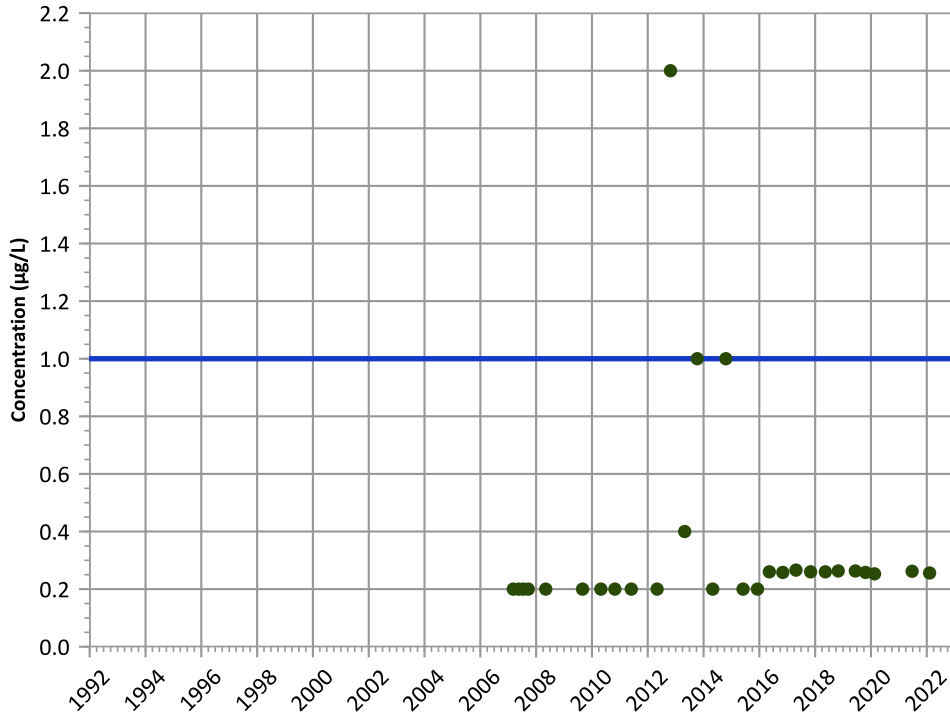


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

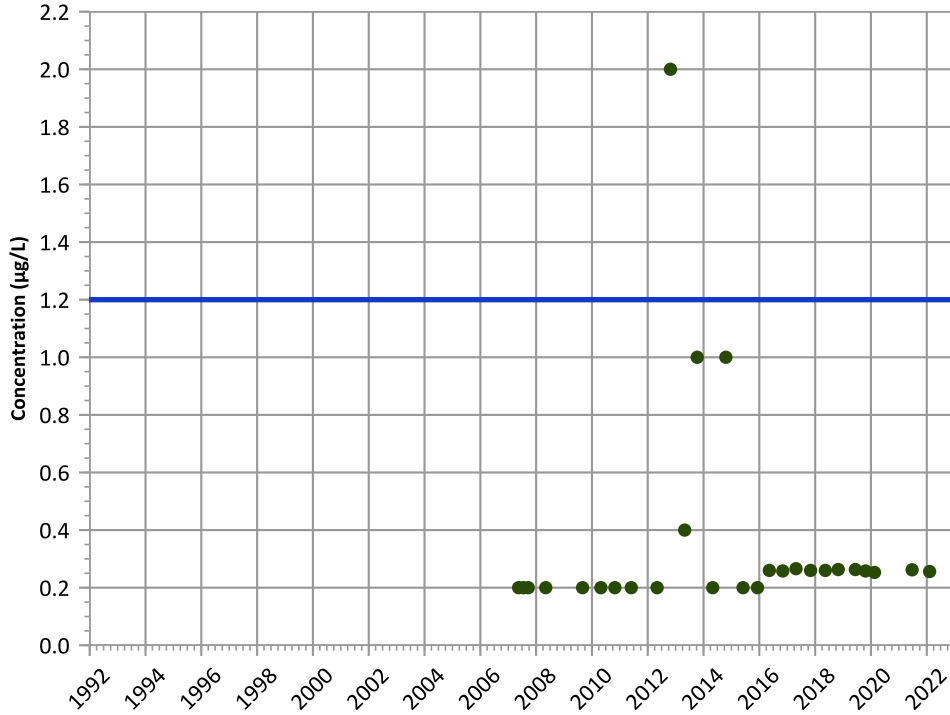
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

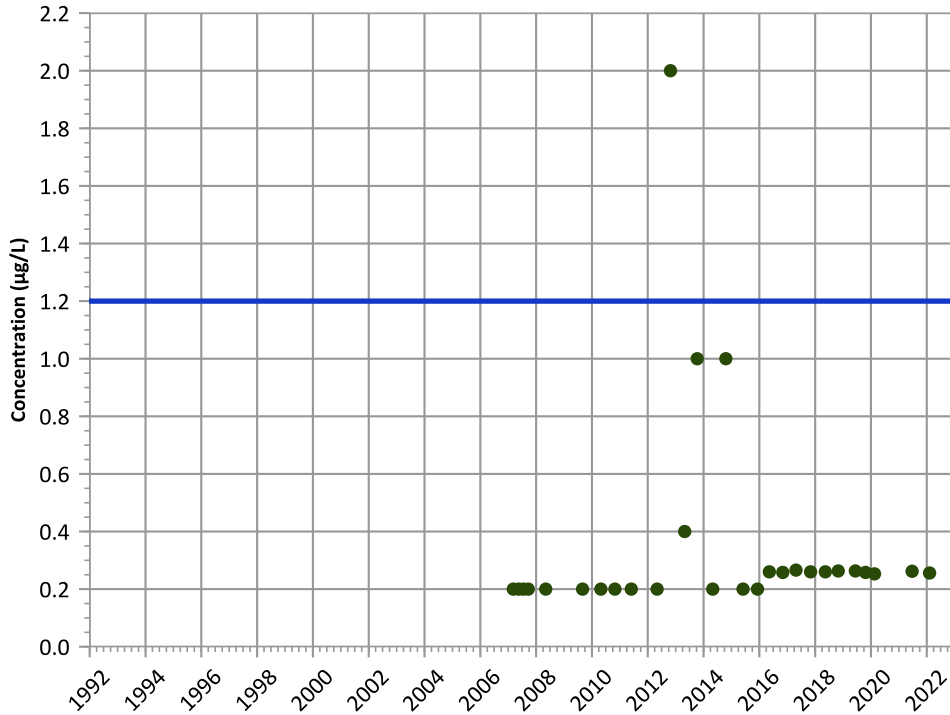


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

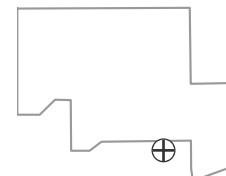
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

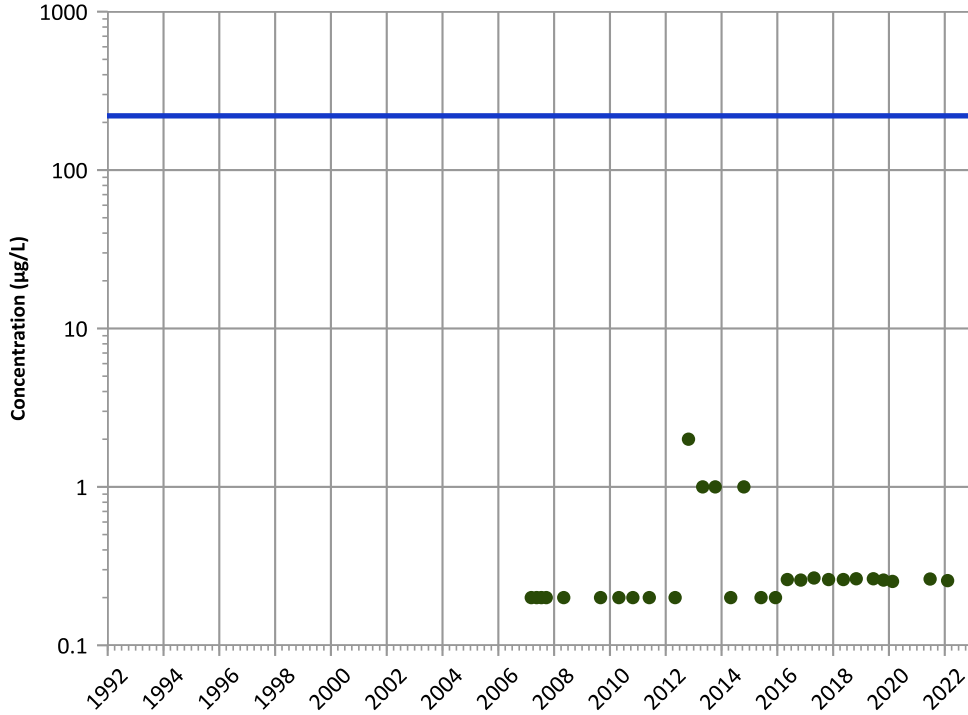
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

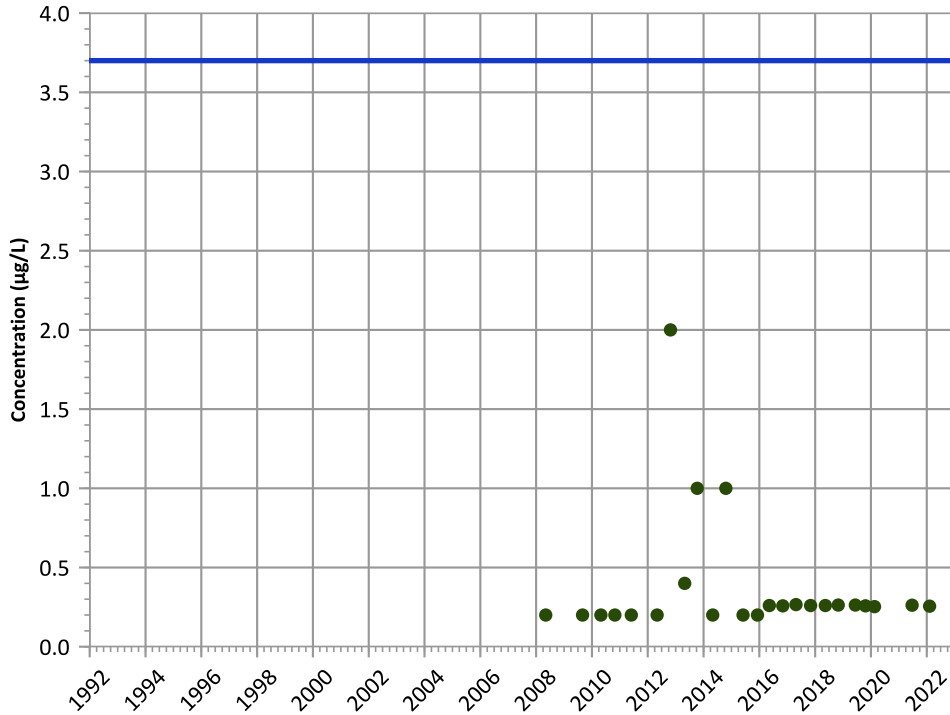
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

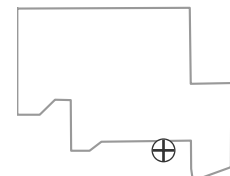
2020 - 2022 Data:

All Non-Detect

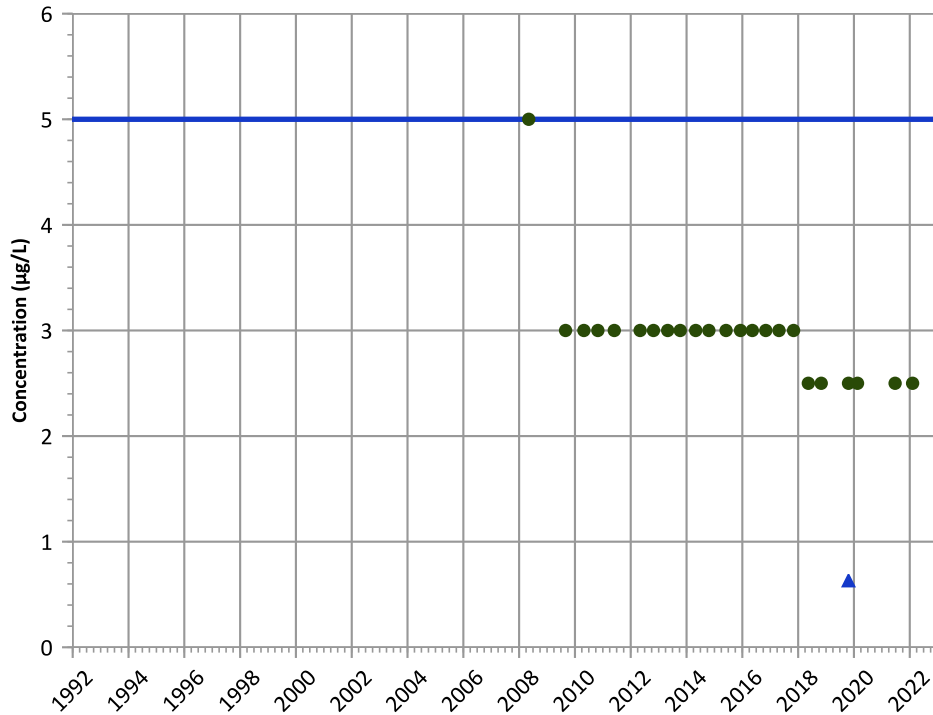
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

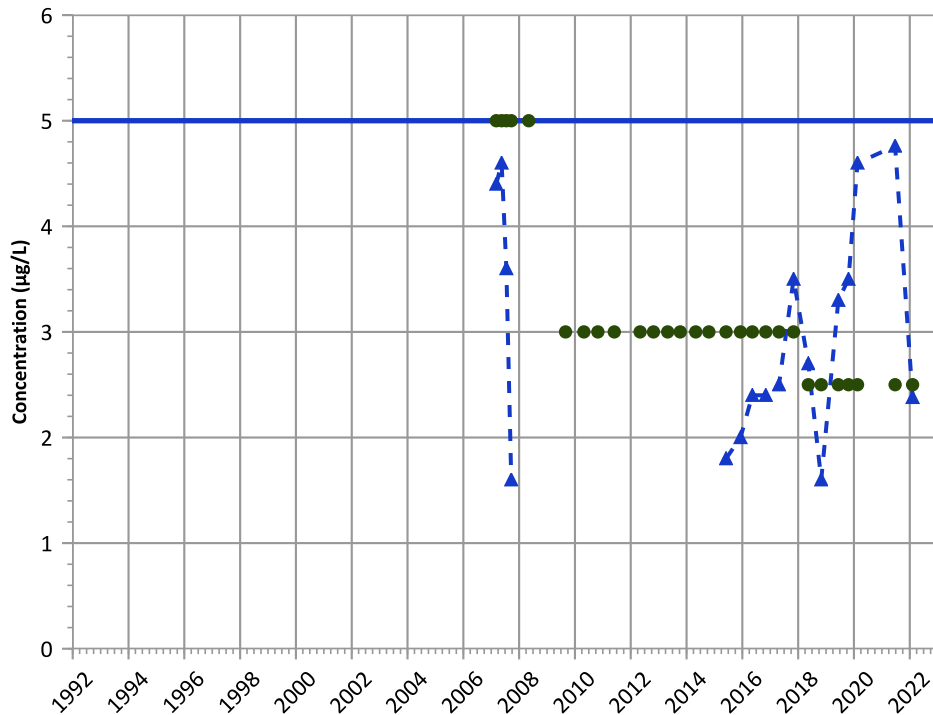


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

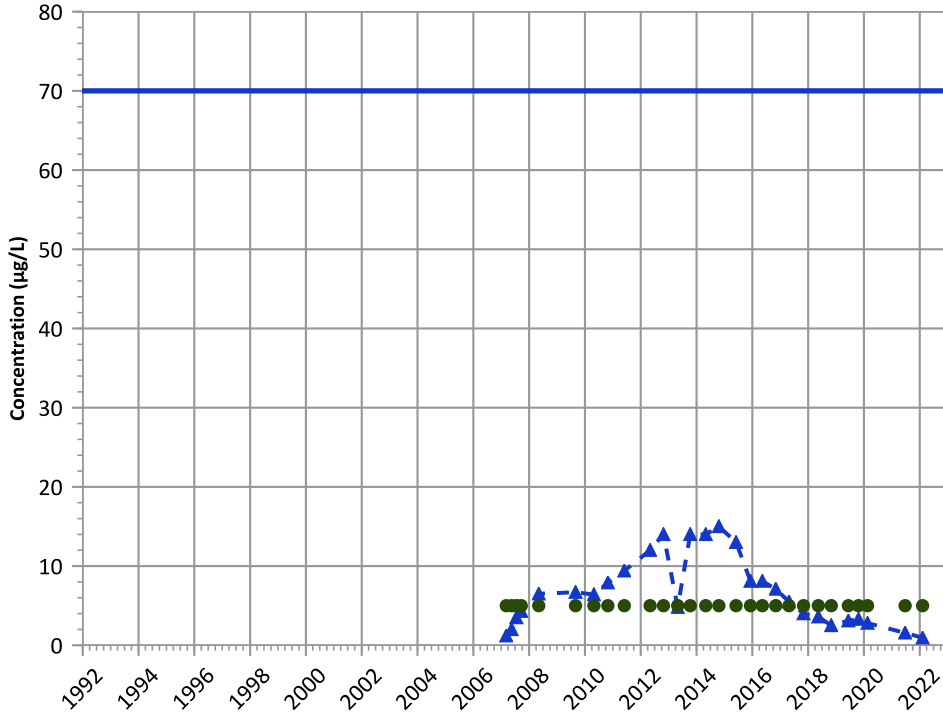
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

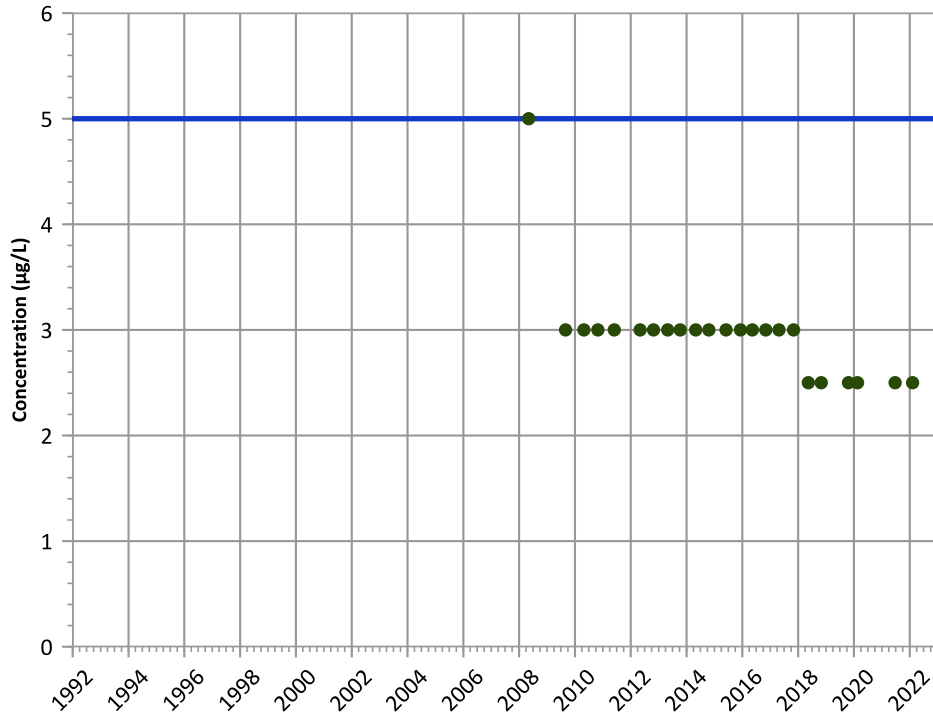


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

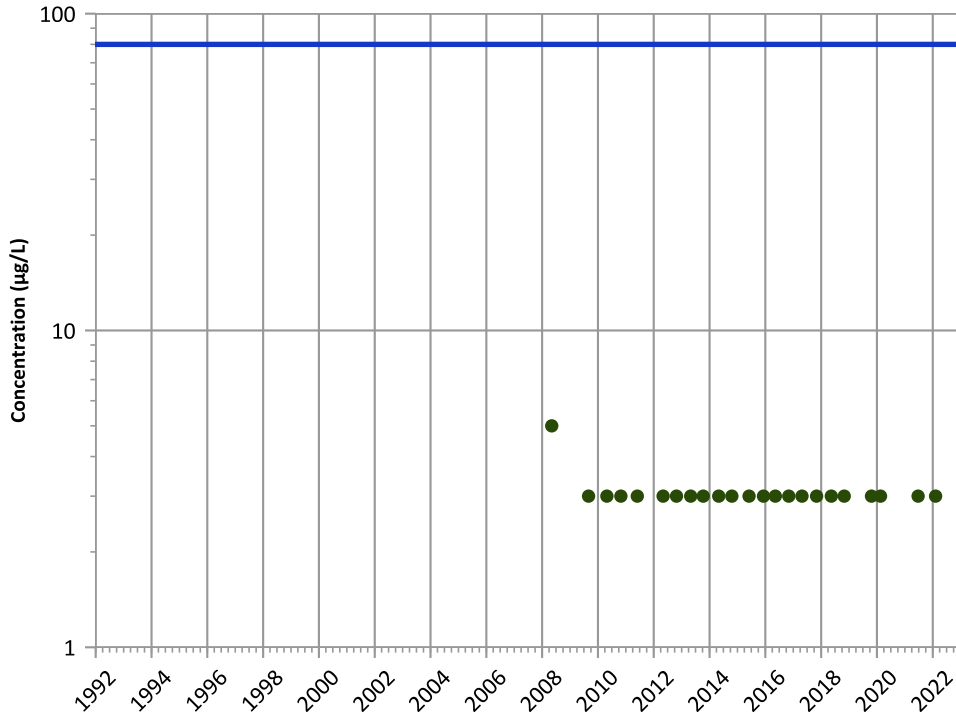
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

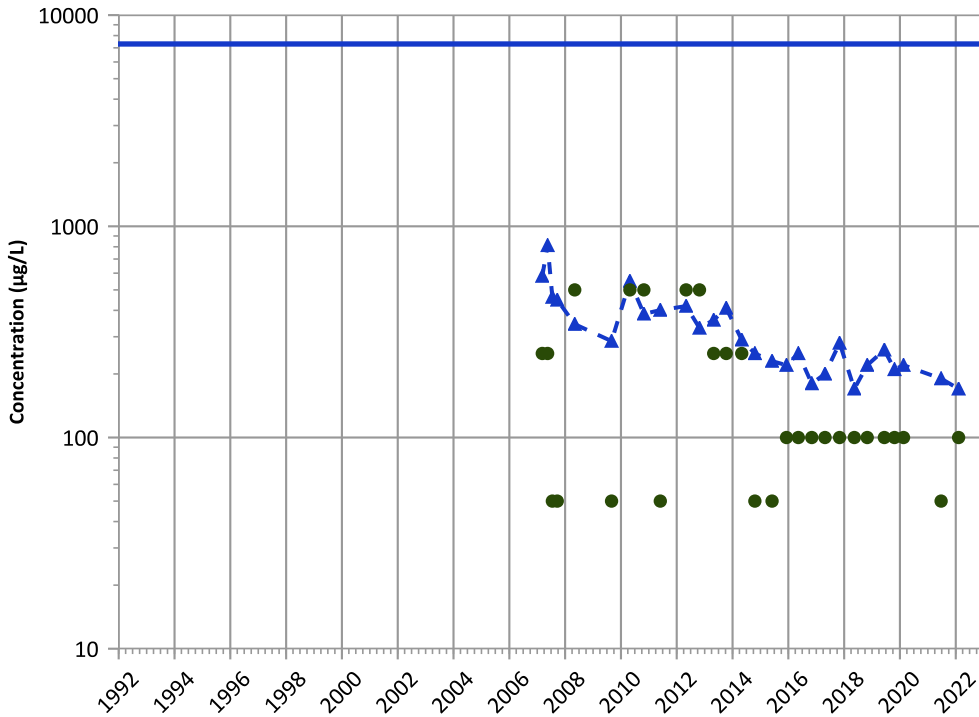
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

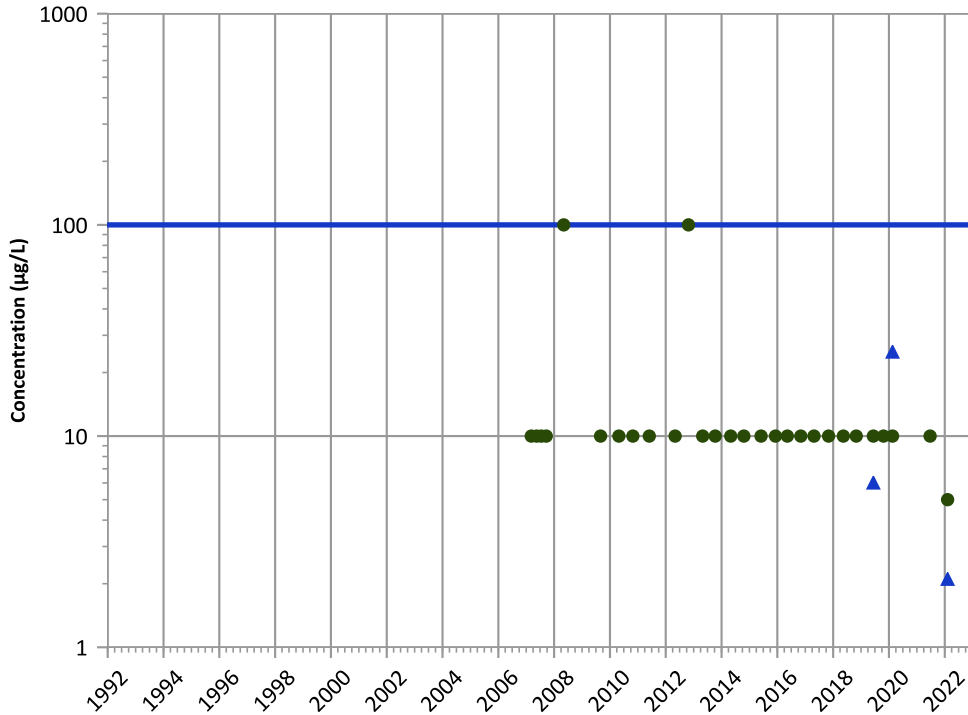
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend

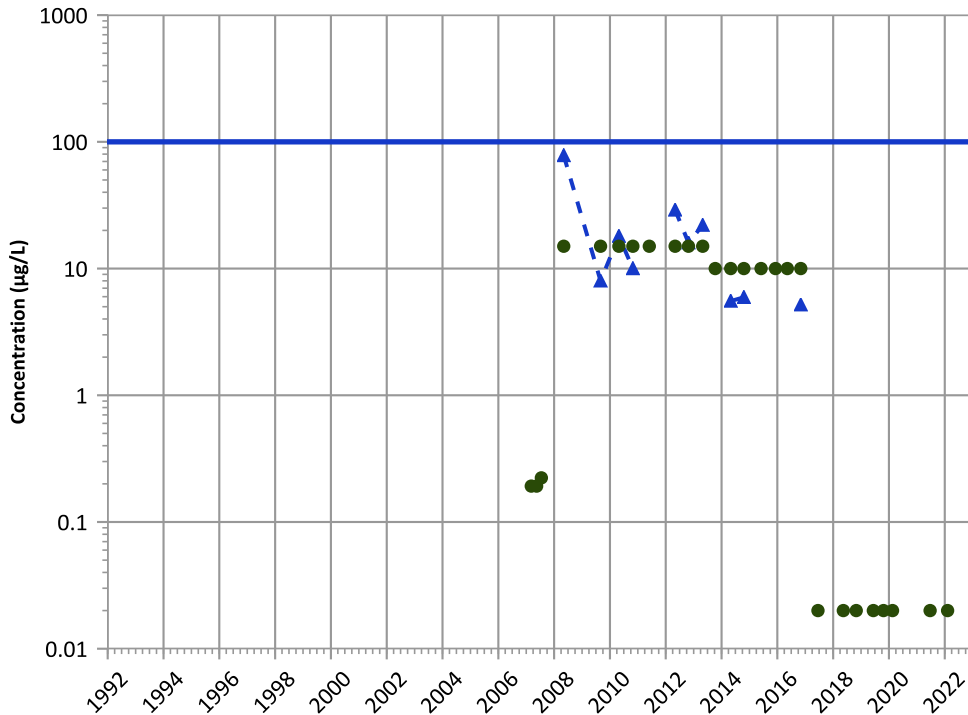


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Chromium, Hexavalent Trend

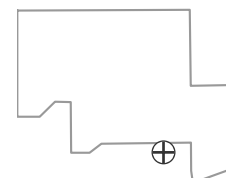


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Well Location

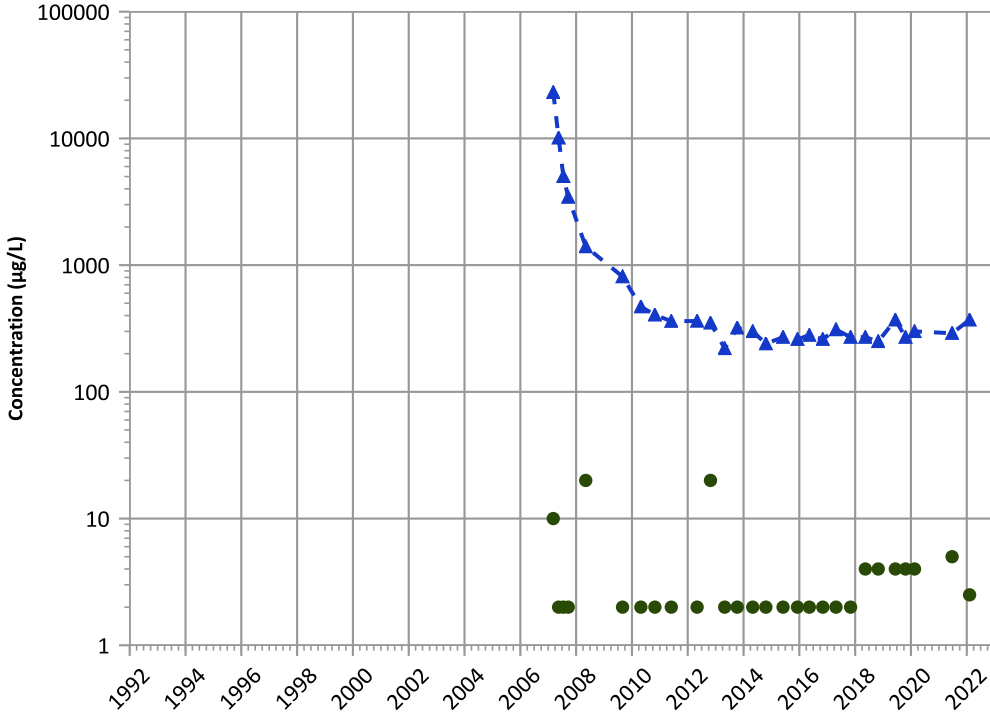


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

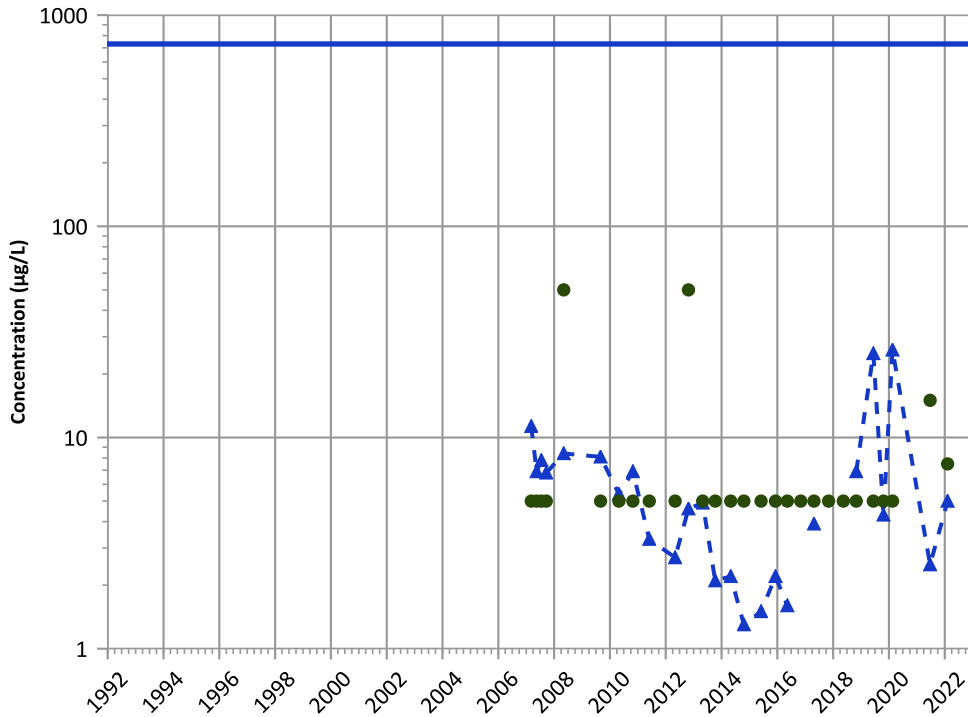
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Increasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

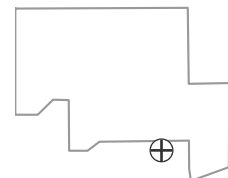
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

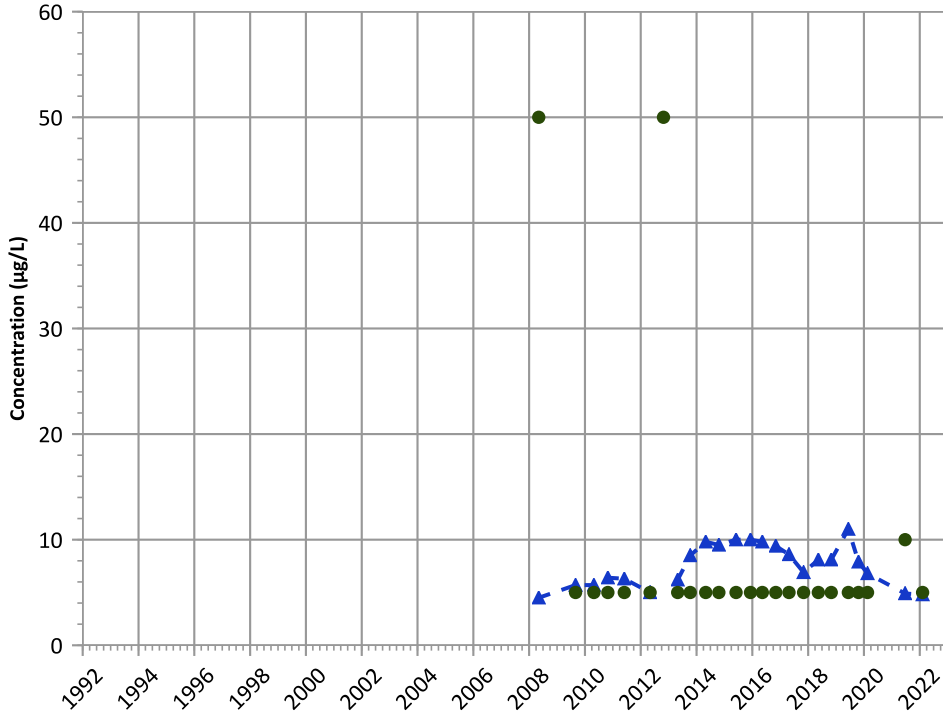
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

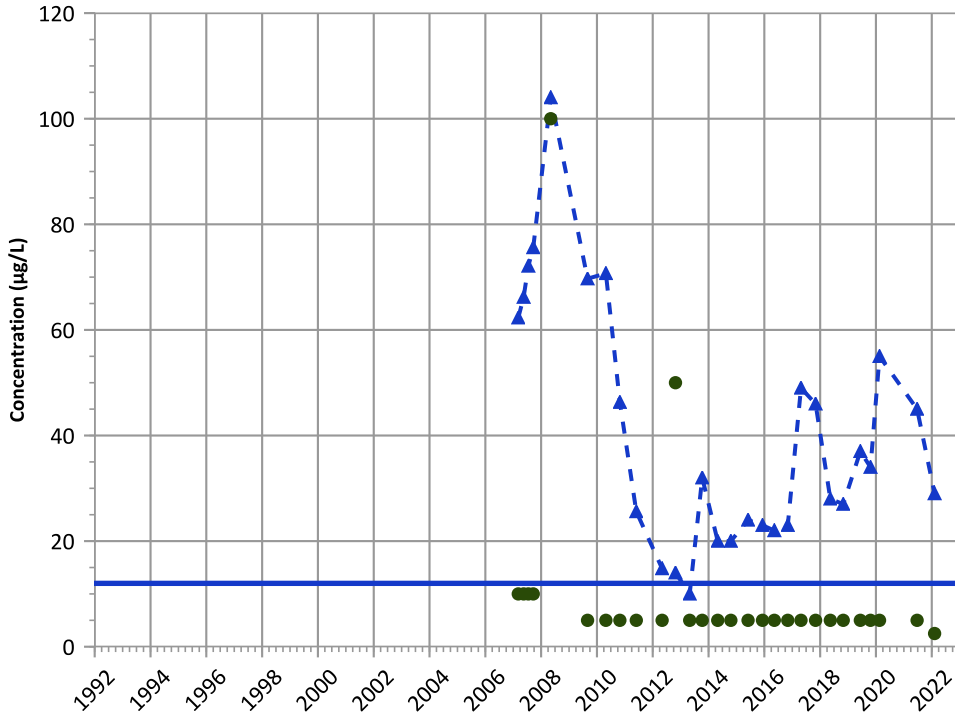


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

Arsenic Trend



Concentration Trend

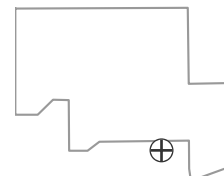
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

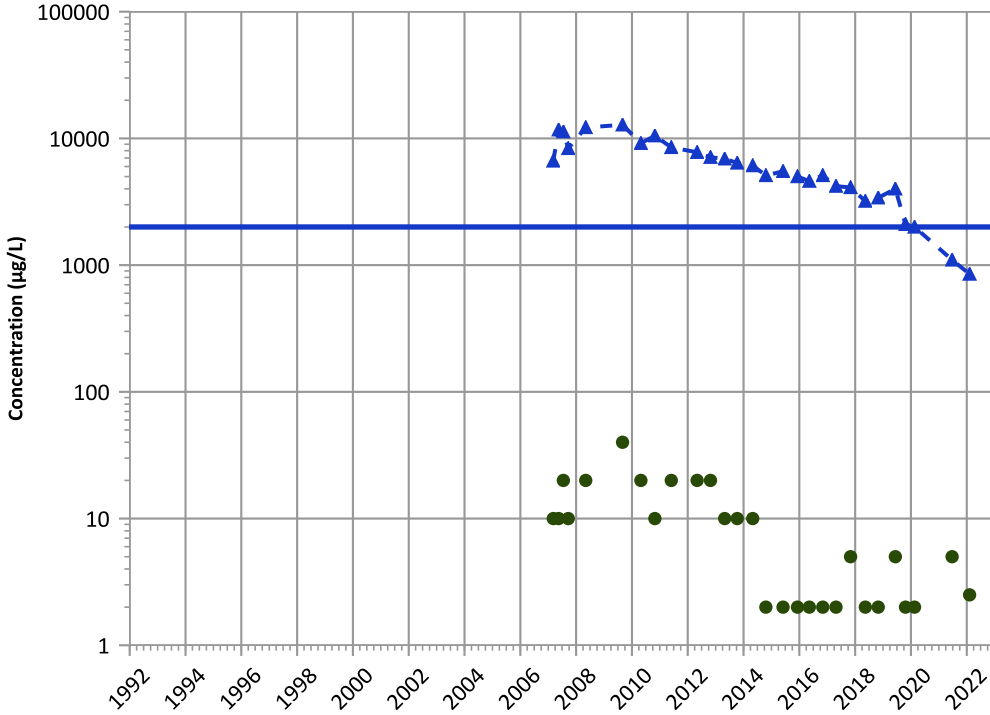
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

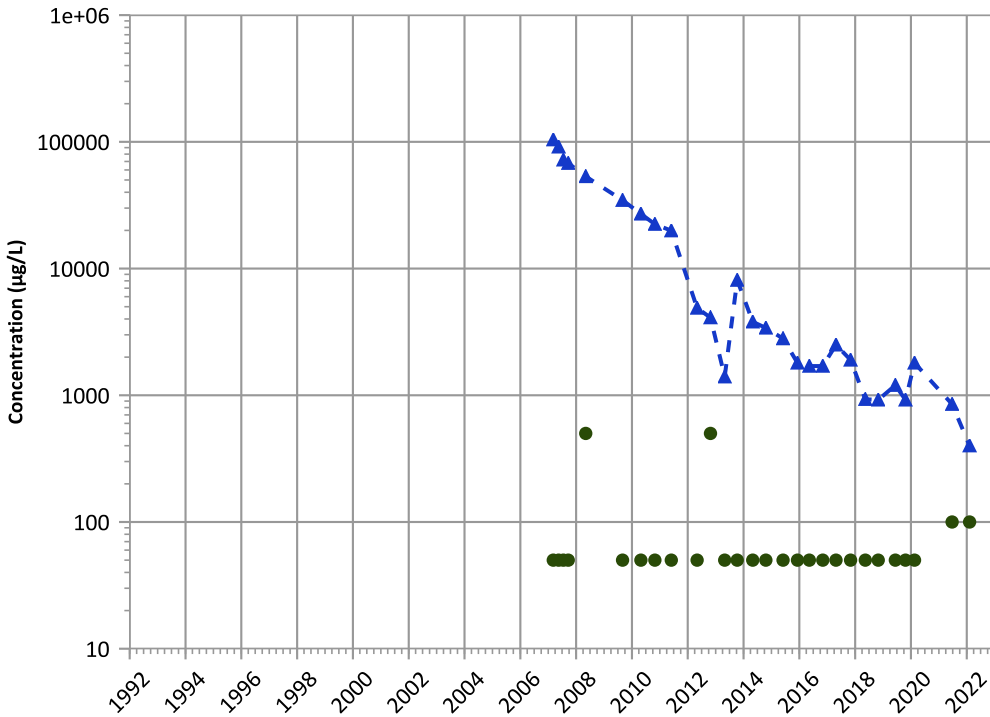
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

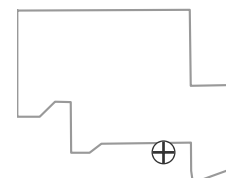
2020 - 2022 Data:

Stable

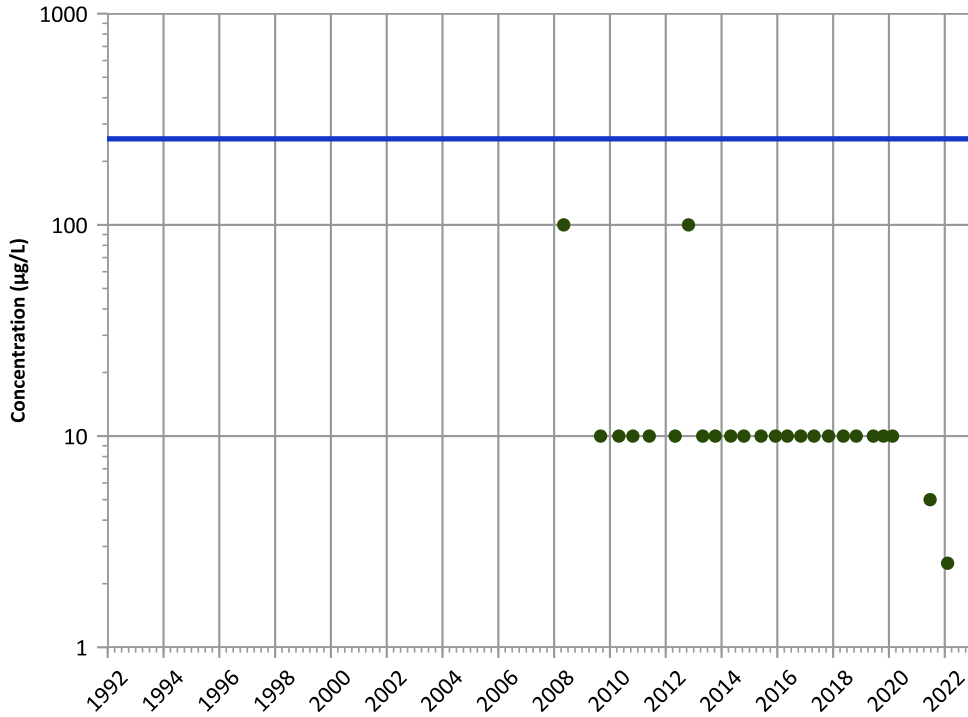
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/08/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

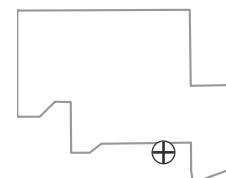
**MAROS Mann-Kendall Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**  
 Data (7/2009 - 12/2022):  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

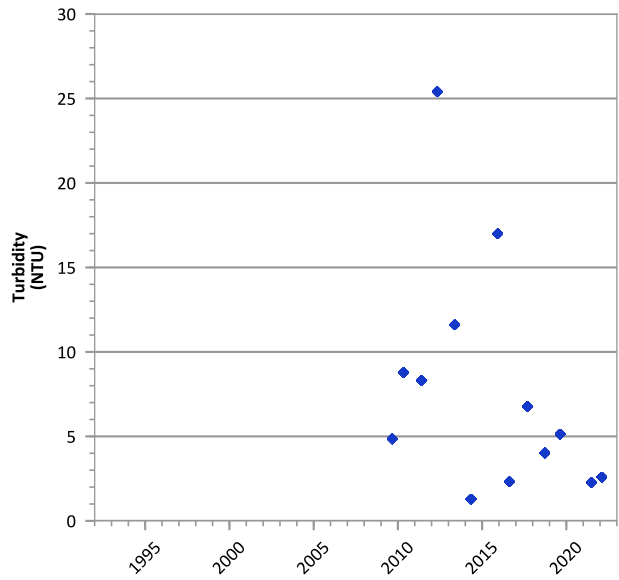
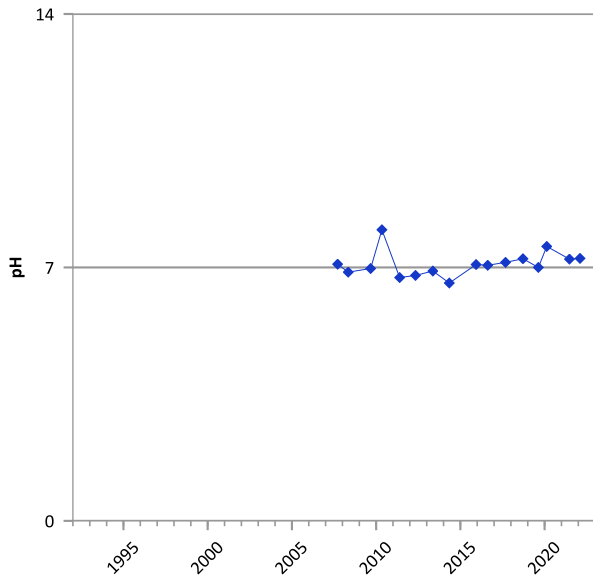
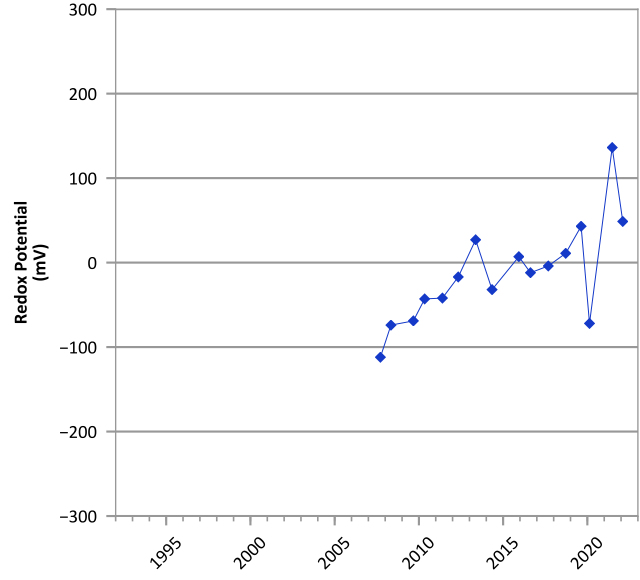
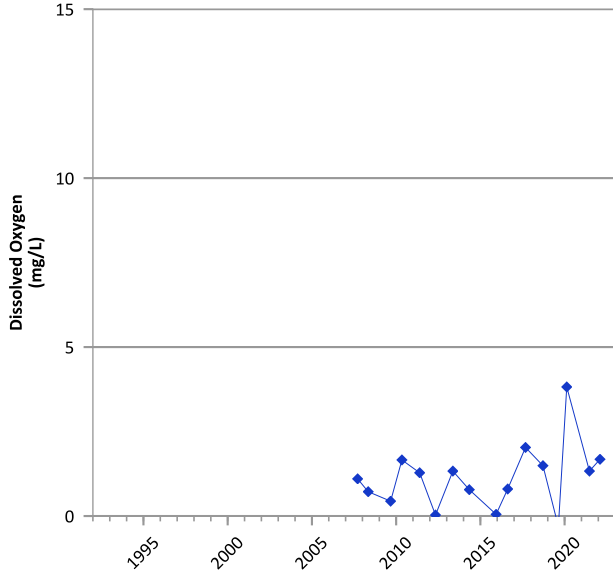
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 03/08/2007 to 02/07/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

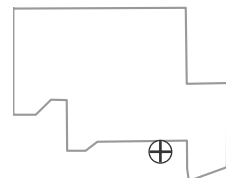


**PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



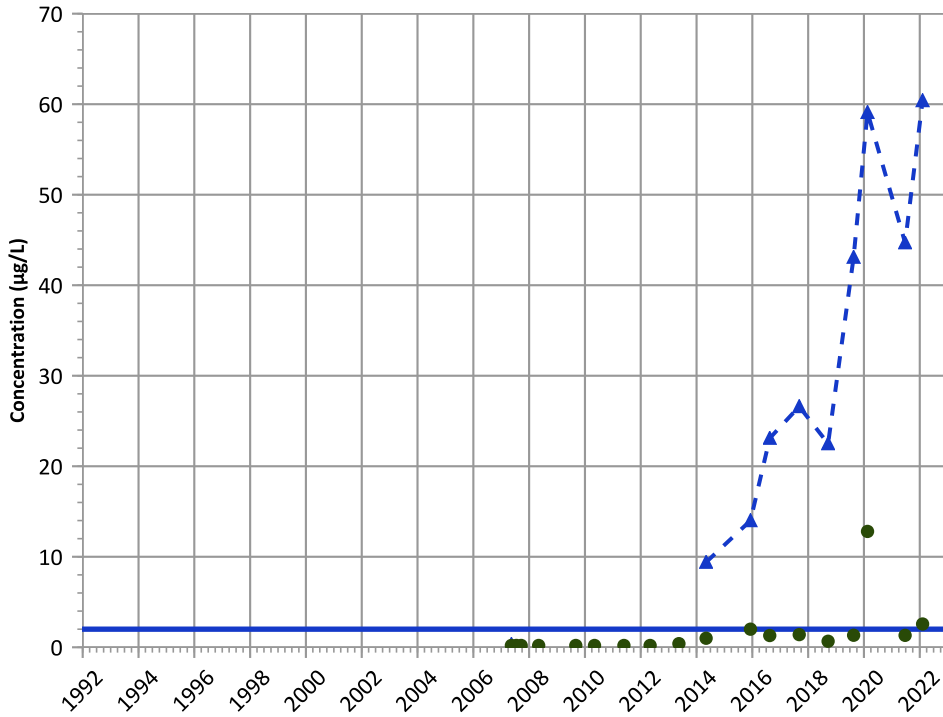
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 03/06/2007 to 02/07/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

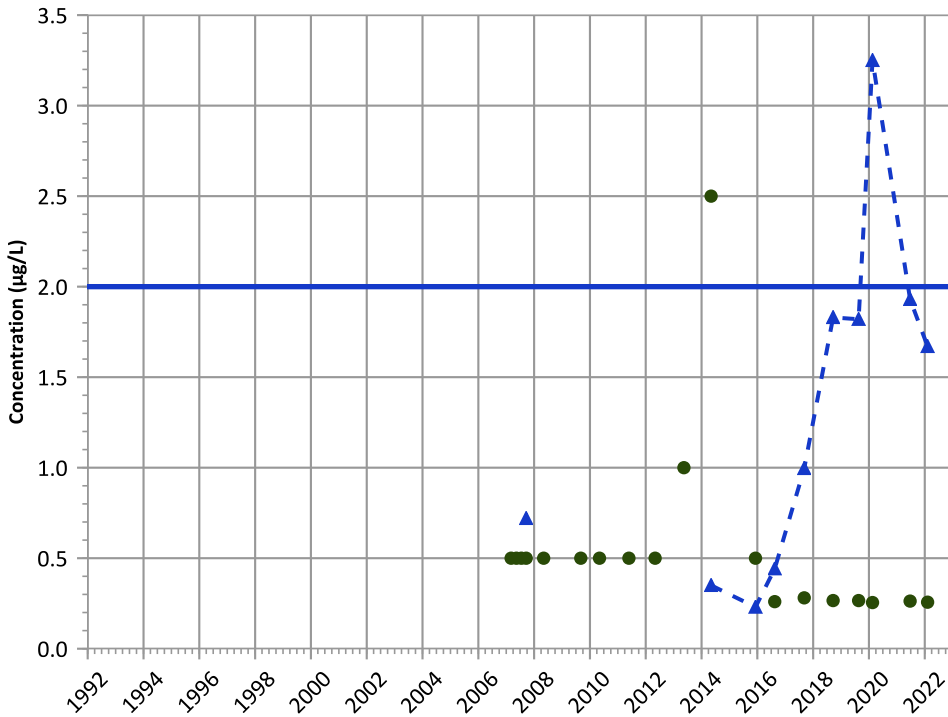


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

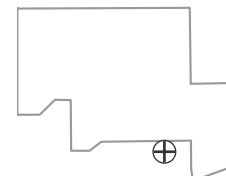
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

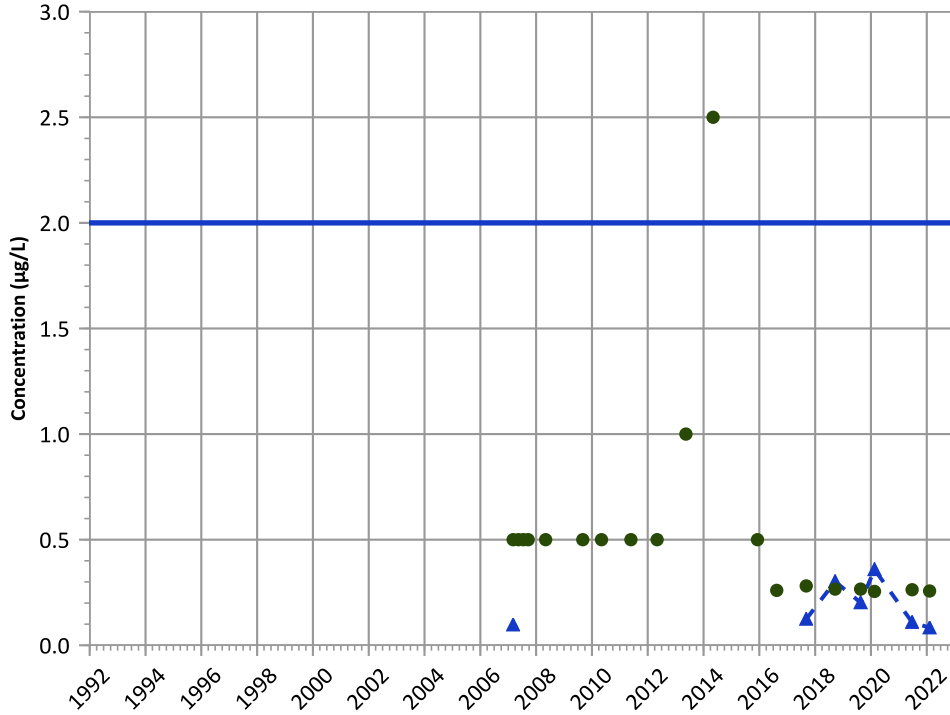
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

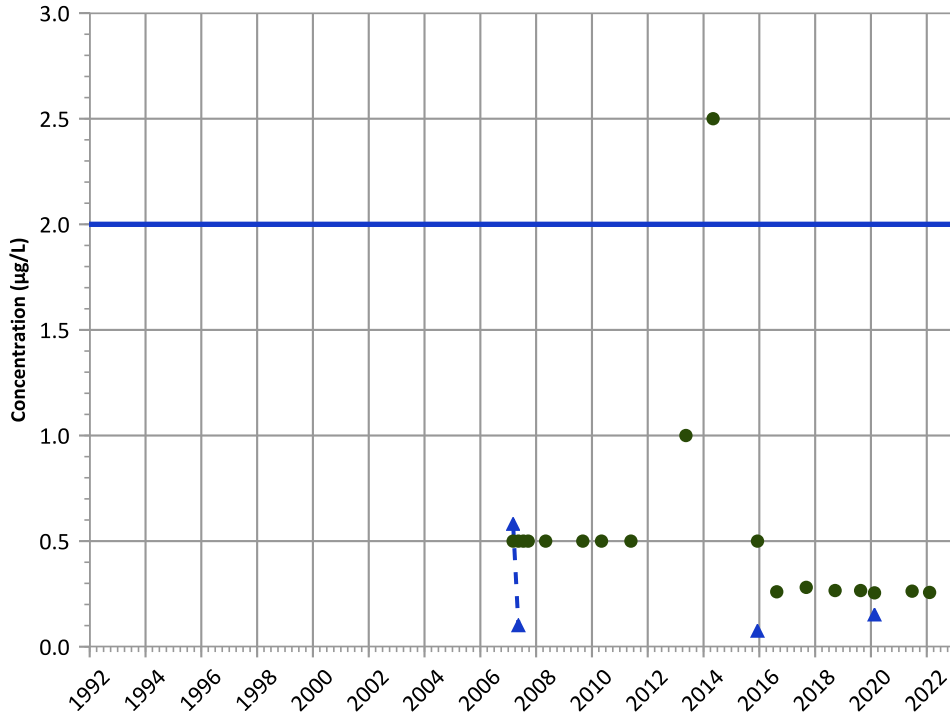


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

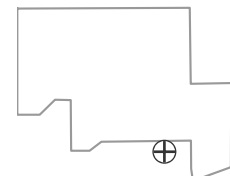


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
No Trend

Well Location



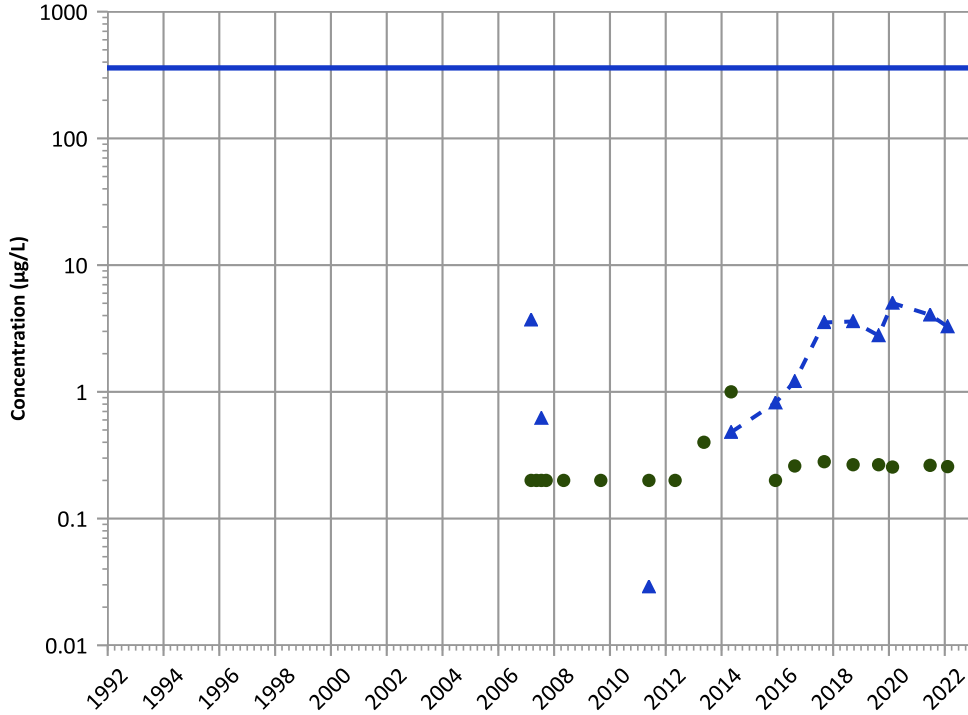
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

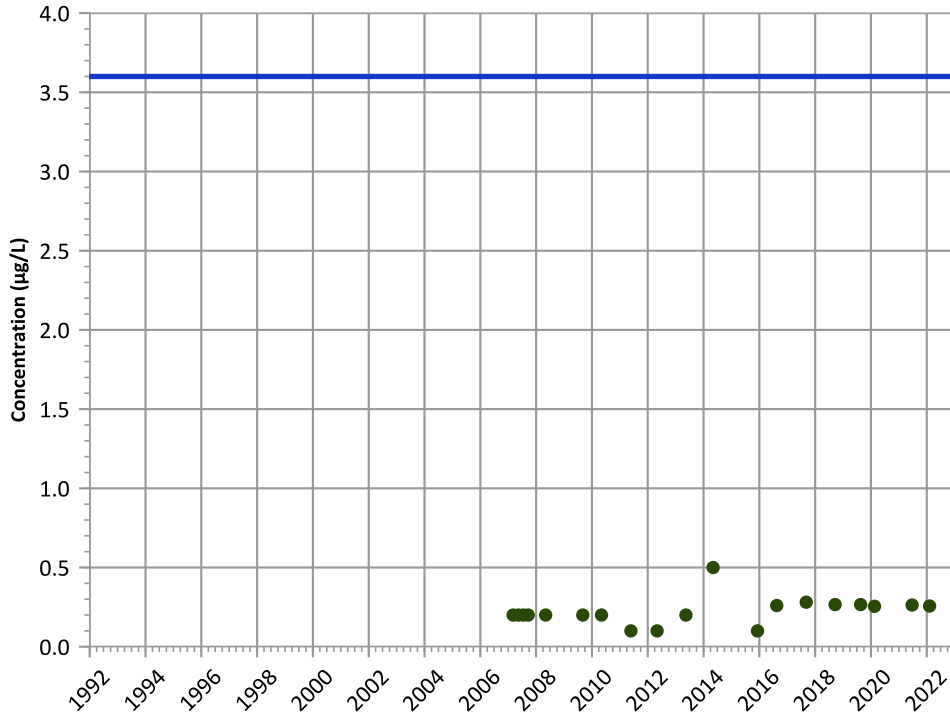


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

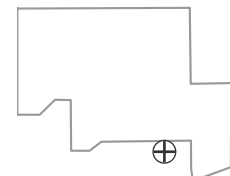
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

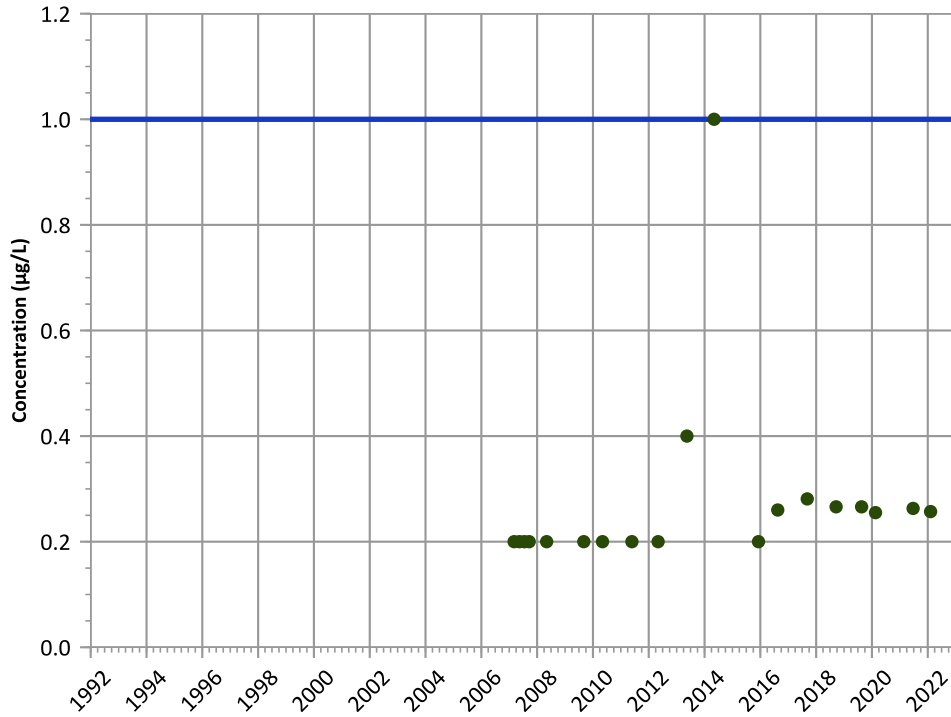
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

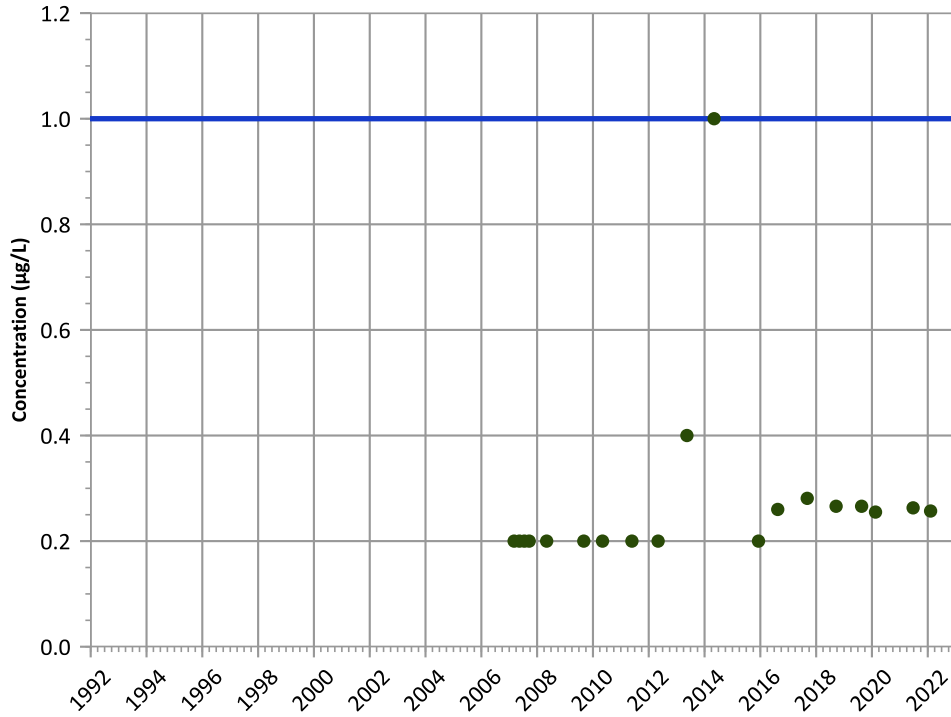
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

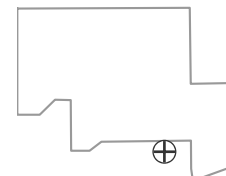
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

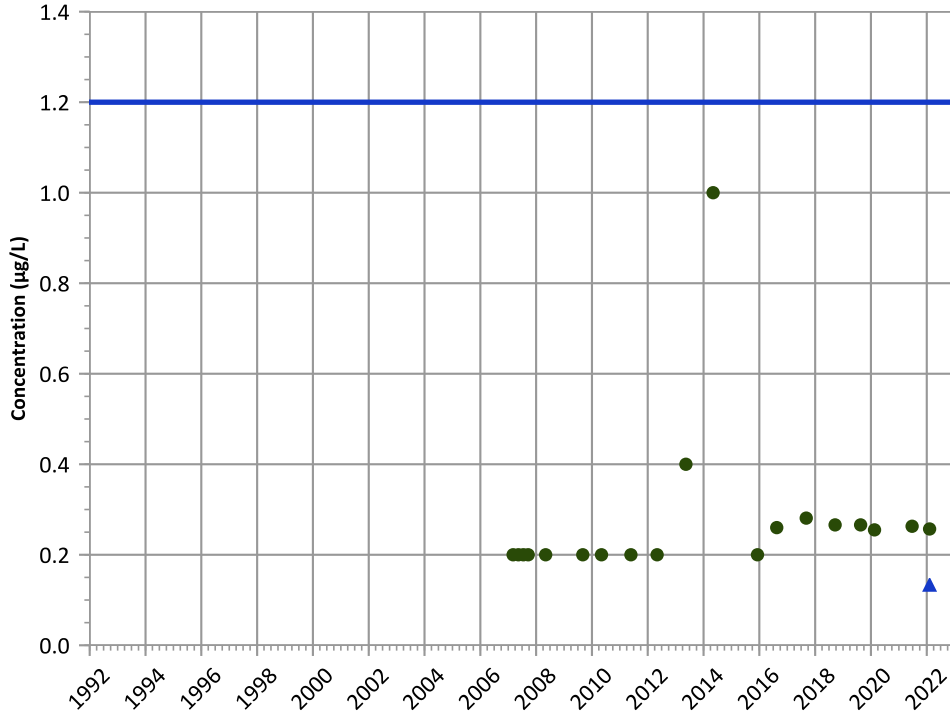


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

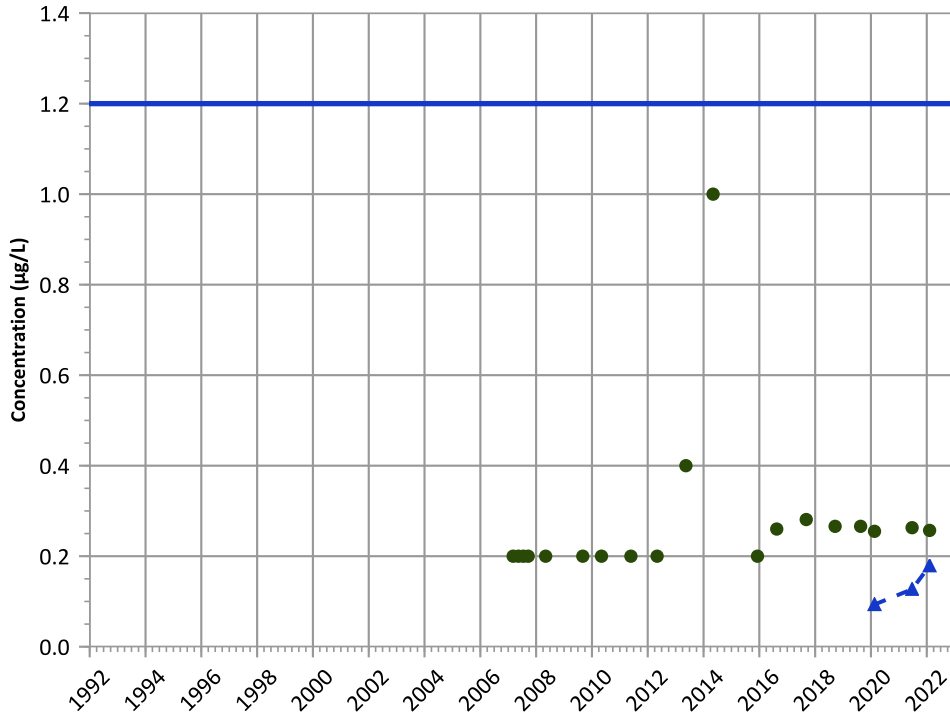


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

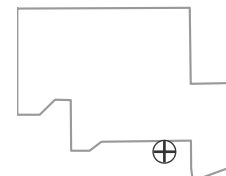
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

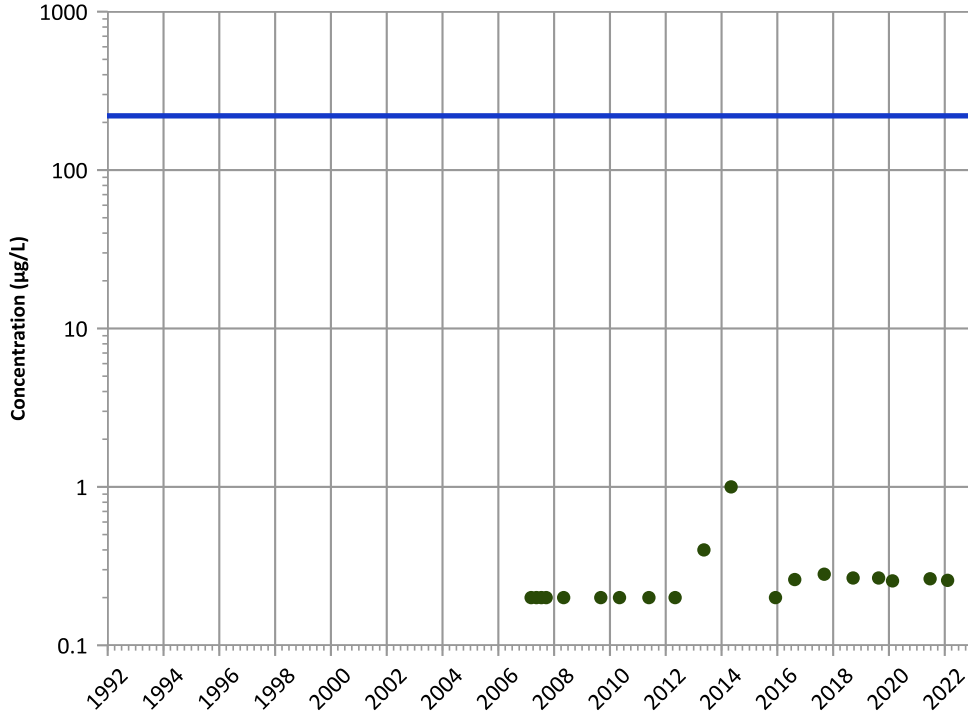
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

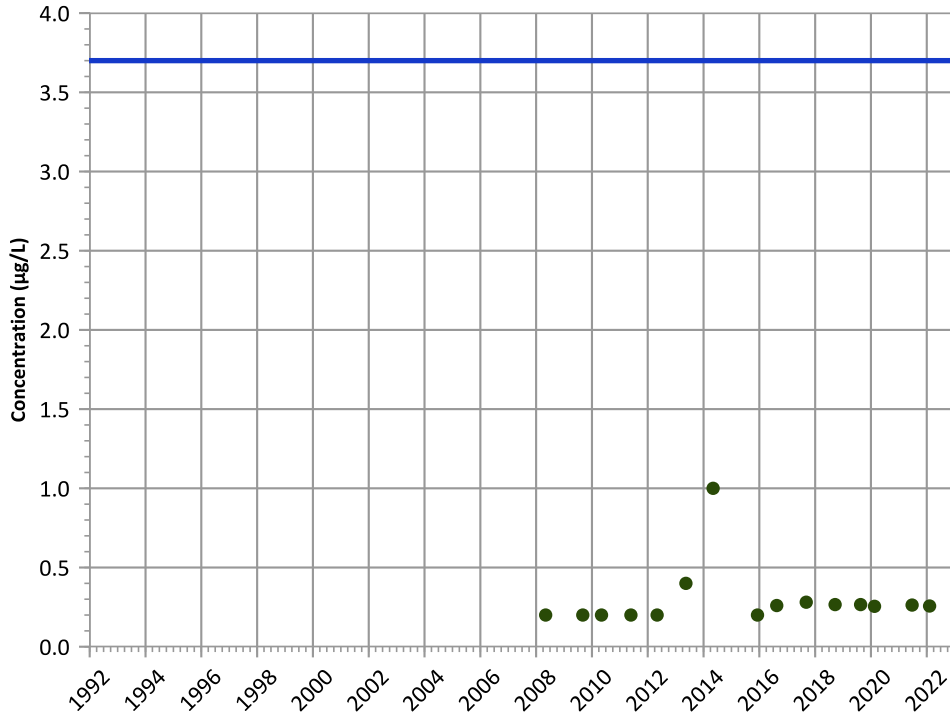


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

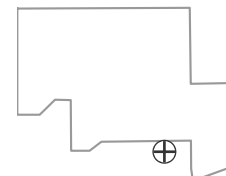
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

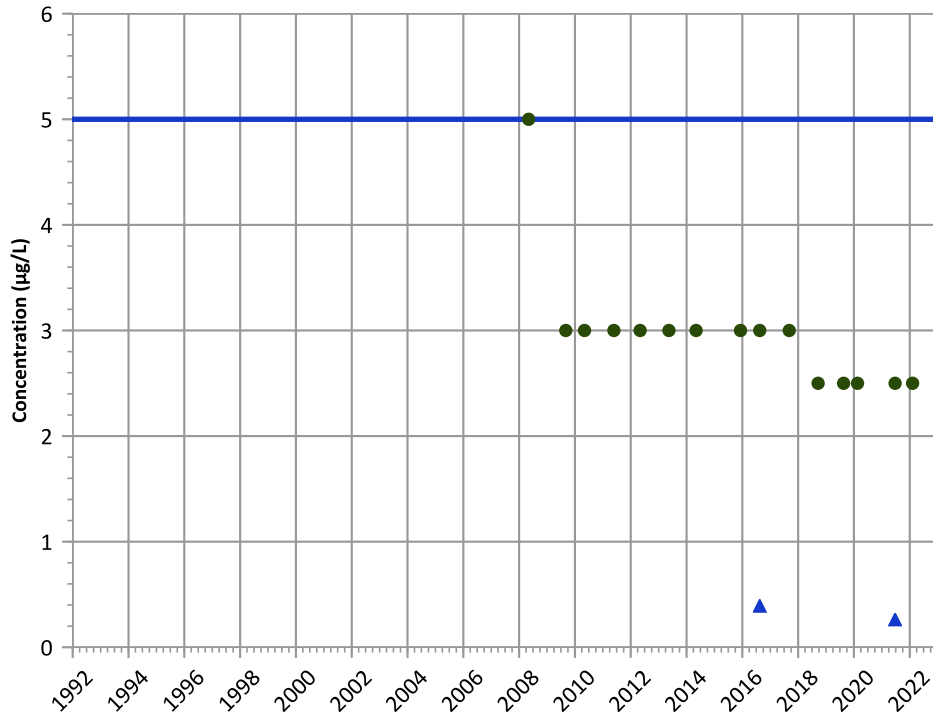
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

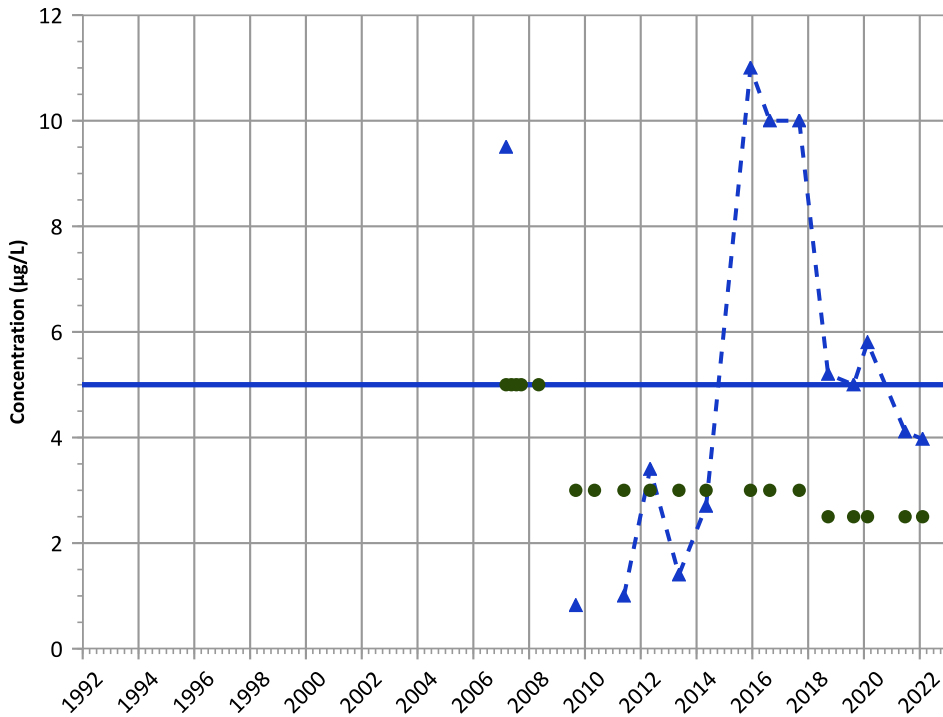


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

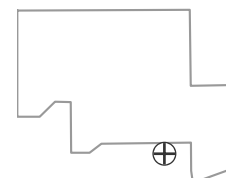
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

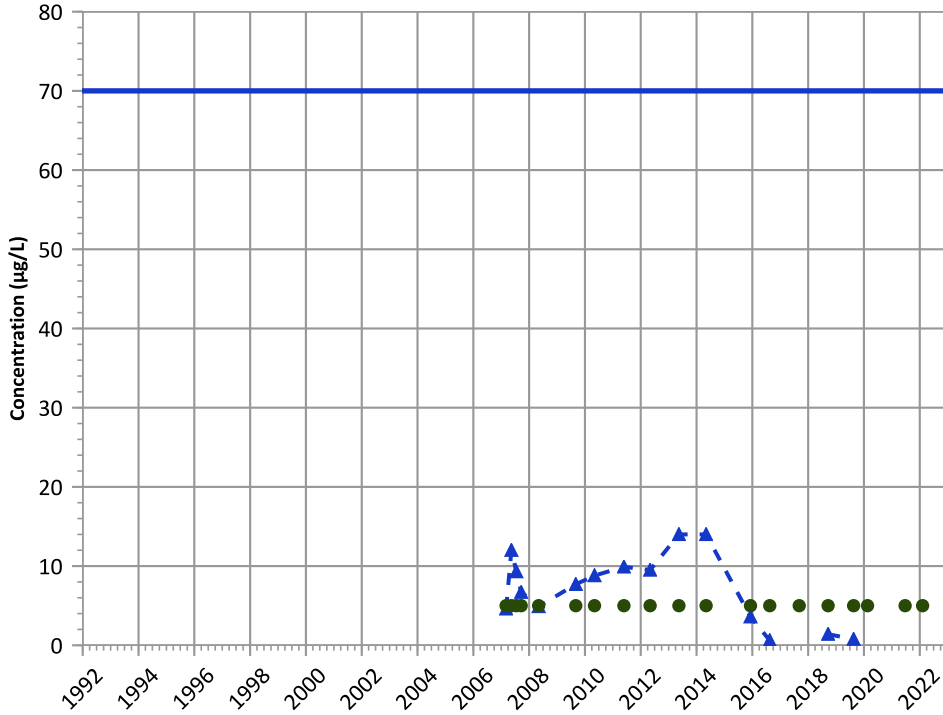
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

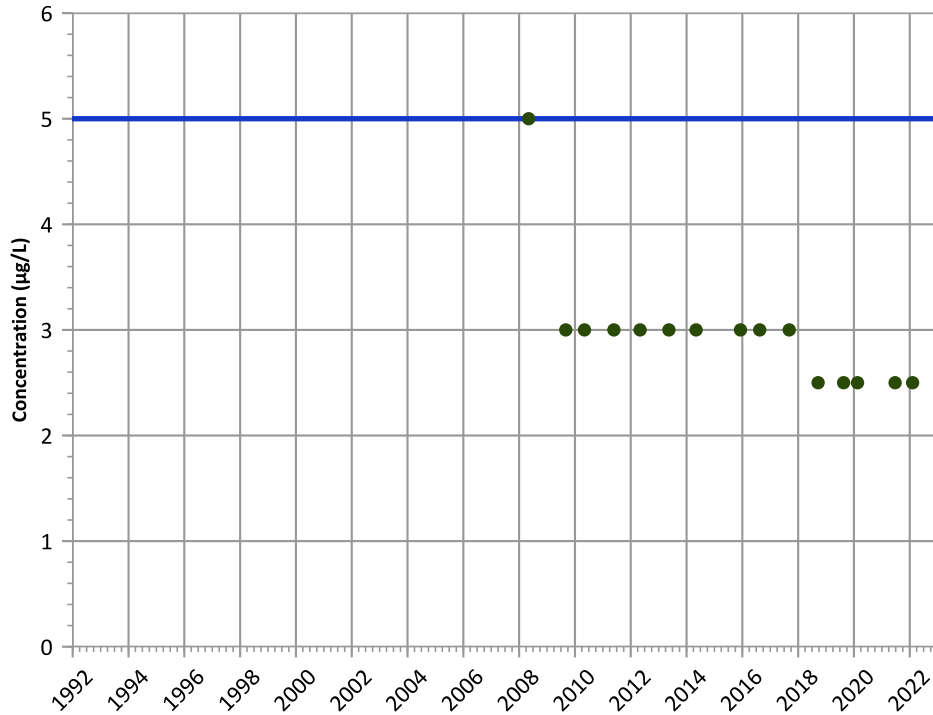


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

**1,2-Dichloroethane Trend**



**Concentration Trend**

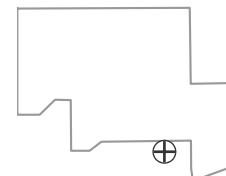
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

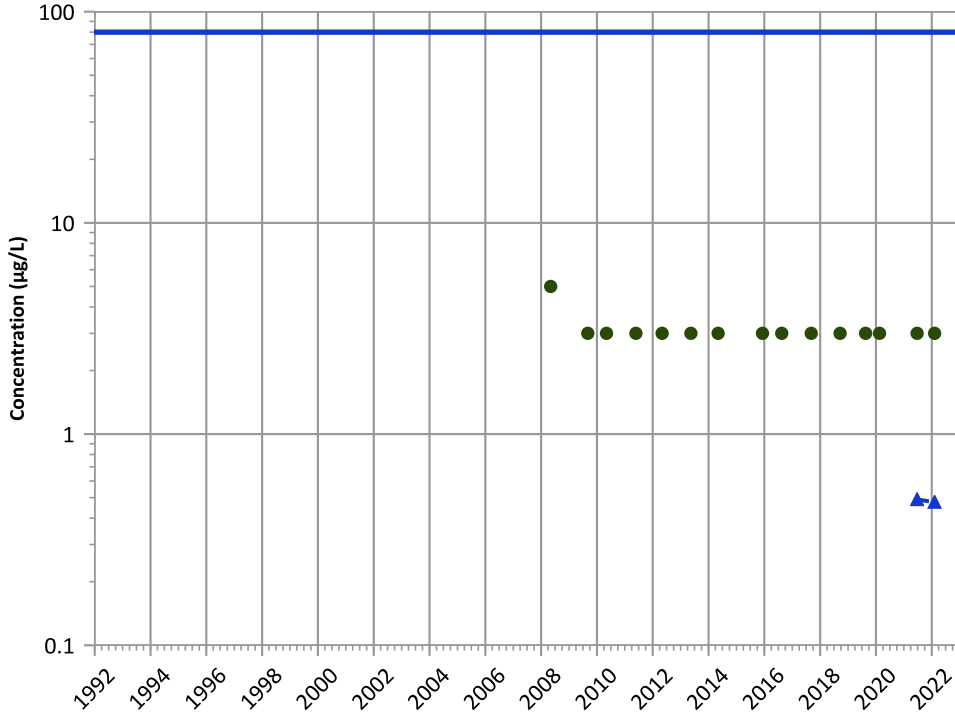
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

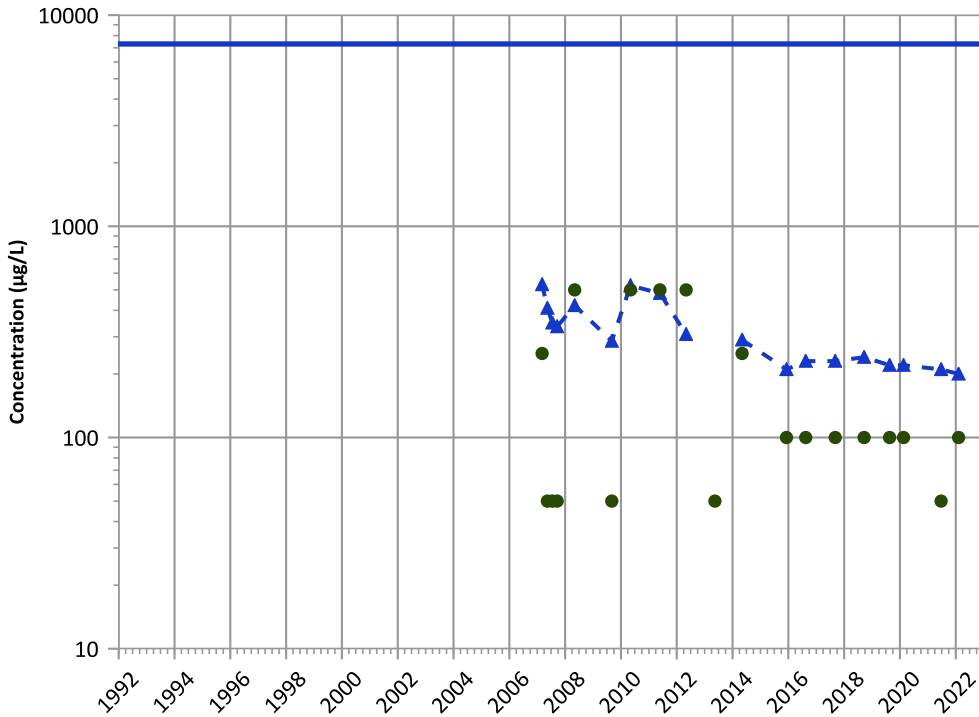


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

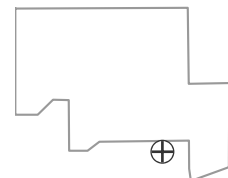
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

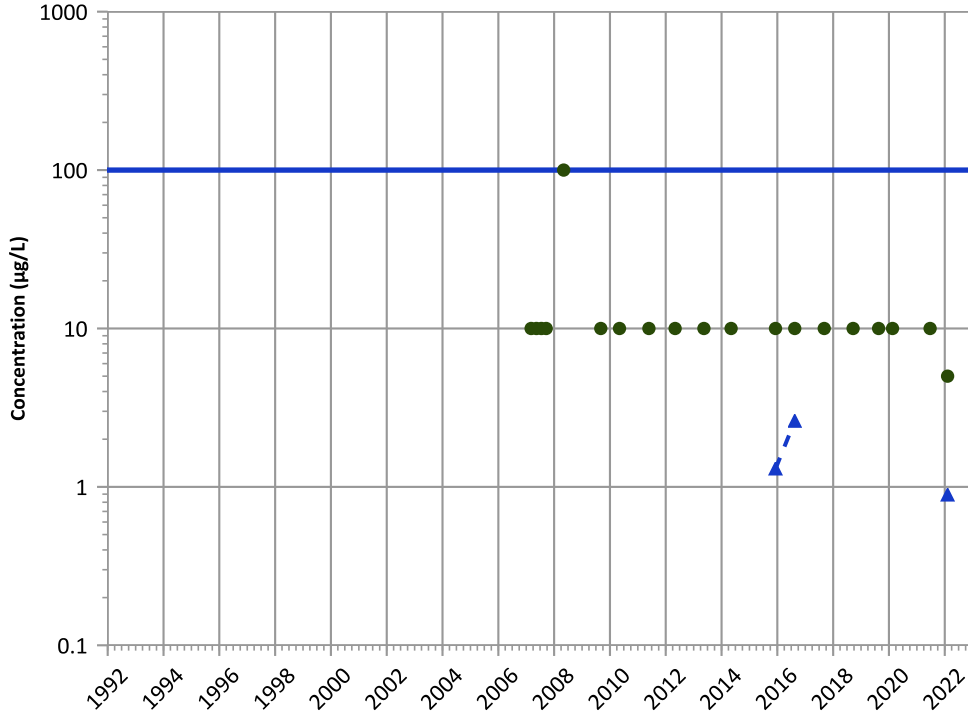
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

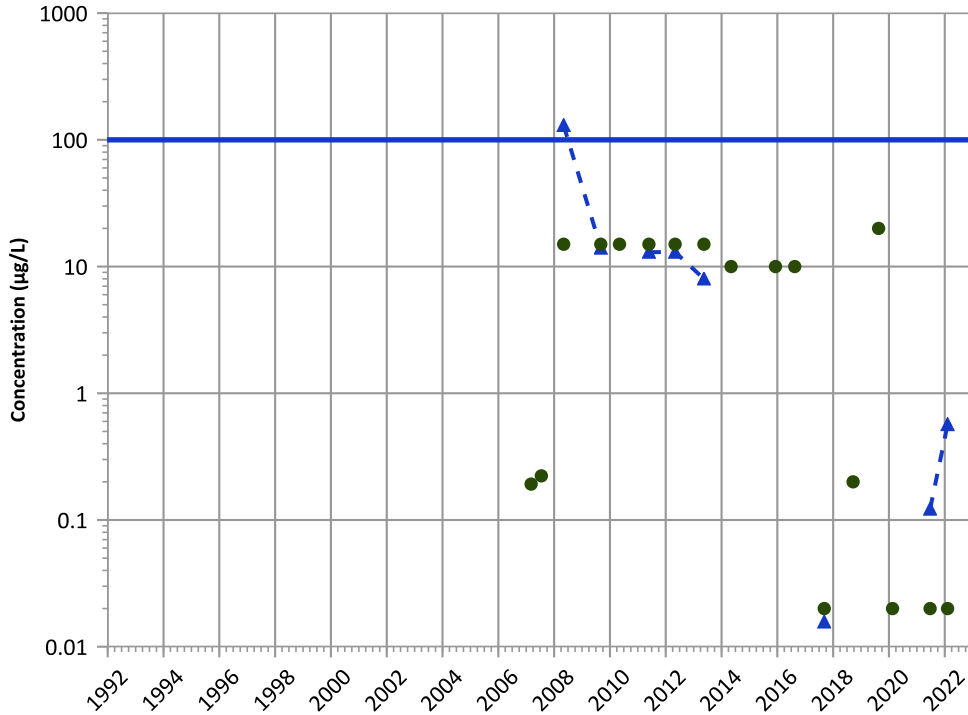


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Chromium, Hexavalent Trend

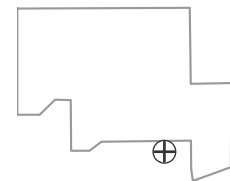


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location



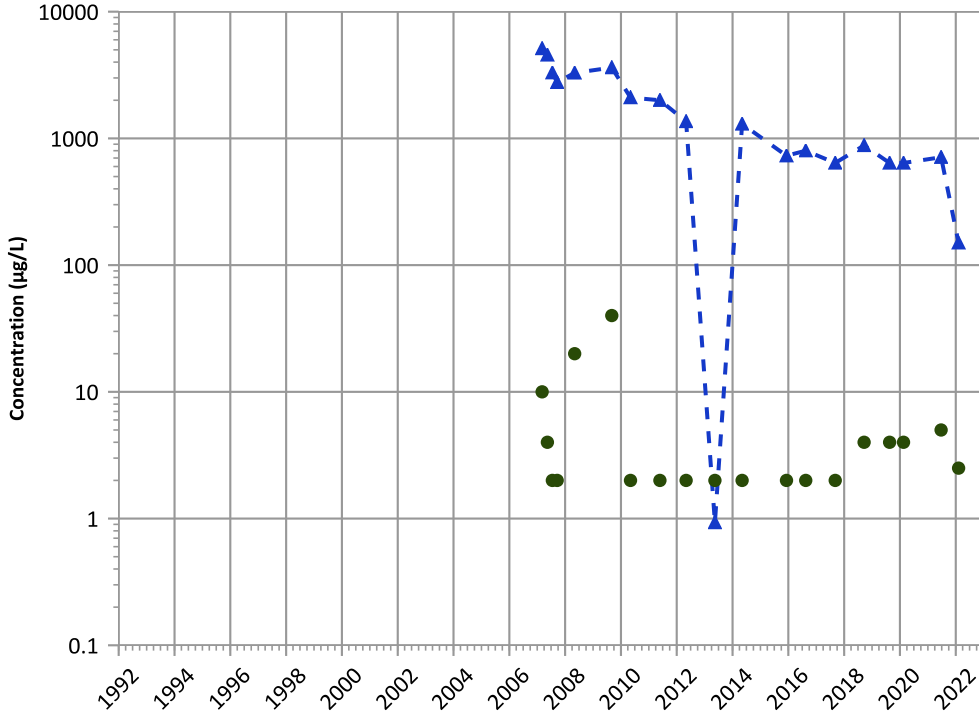
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

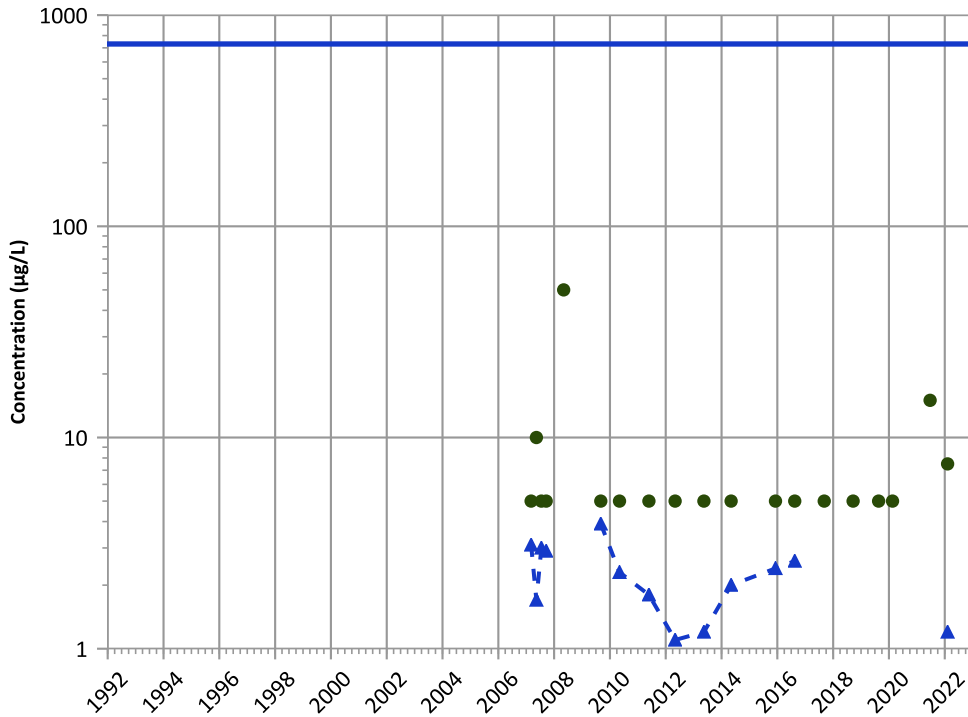
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

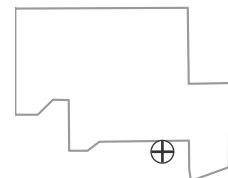
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

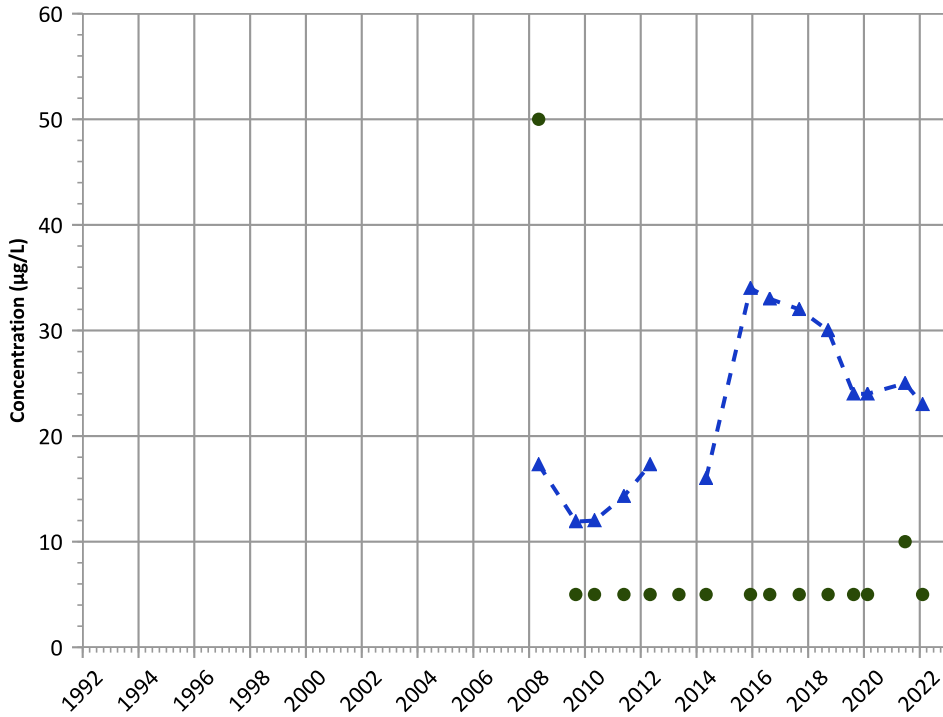
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

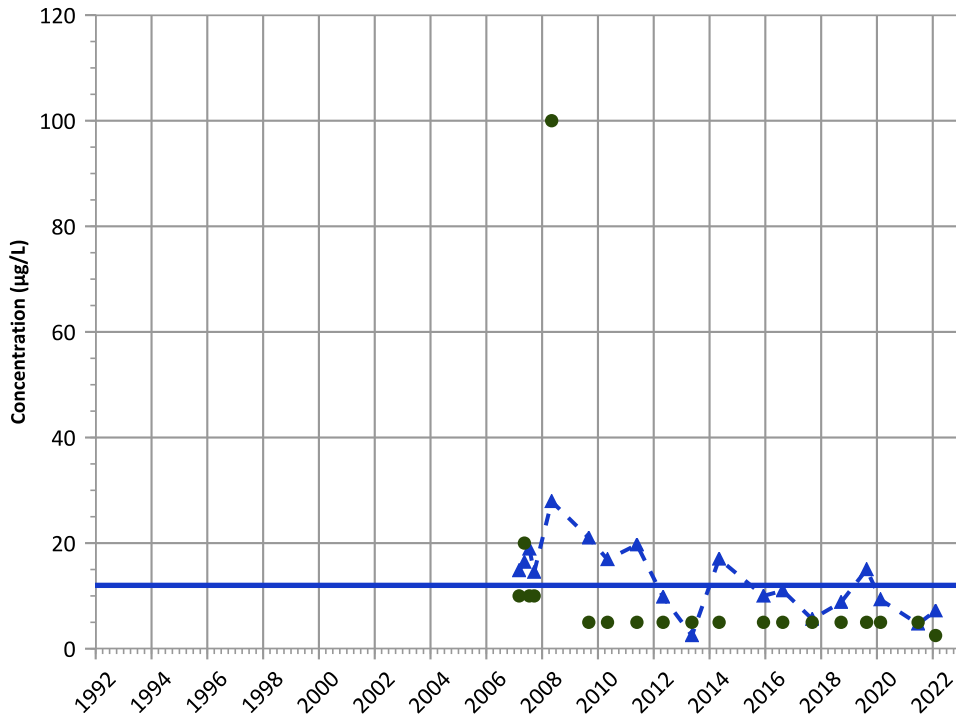
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Stable

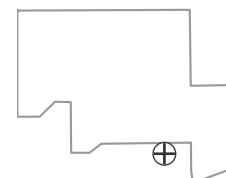
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 03/06/2007 to 02/07/2022

Analysis Date: 04/27/2023

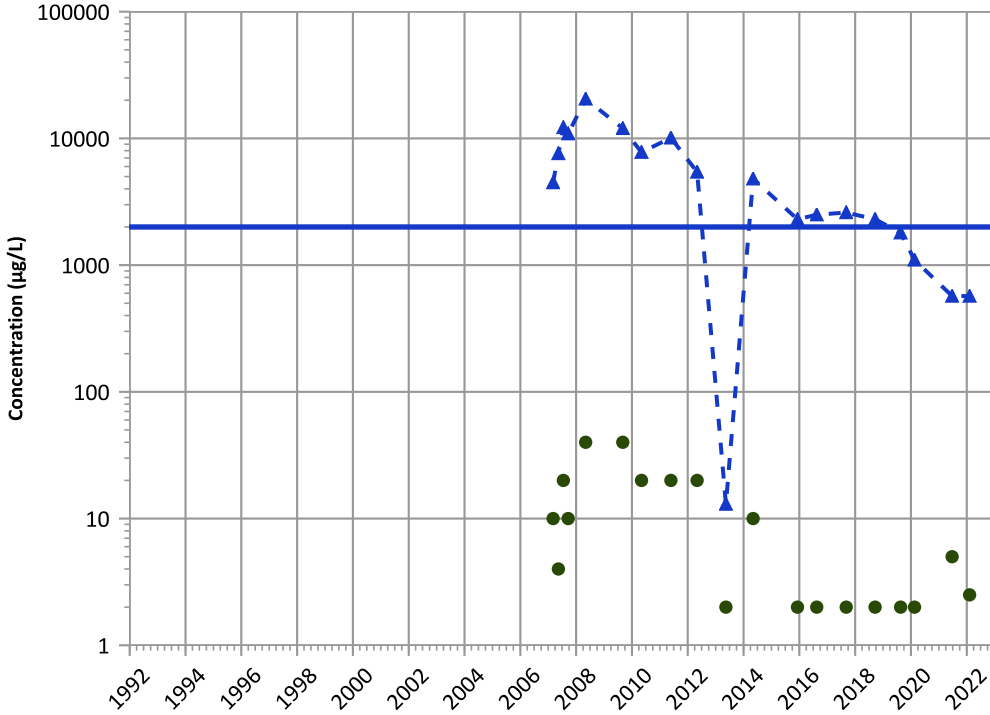
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

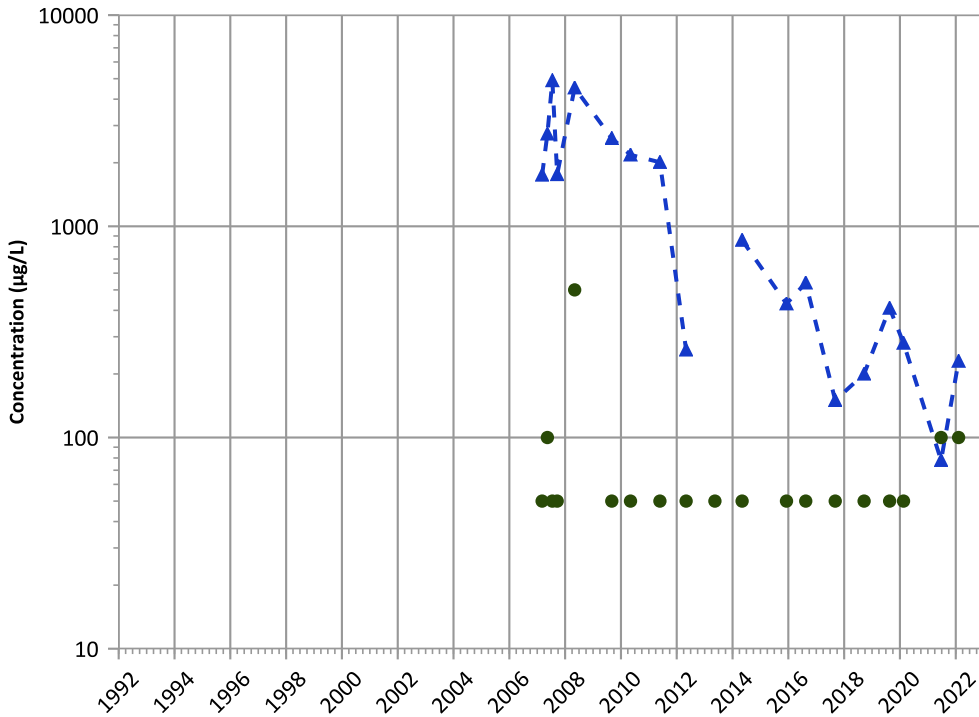


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Iron Trend



Concentration Trend

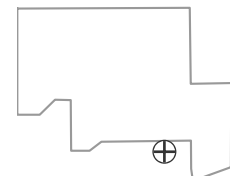
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

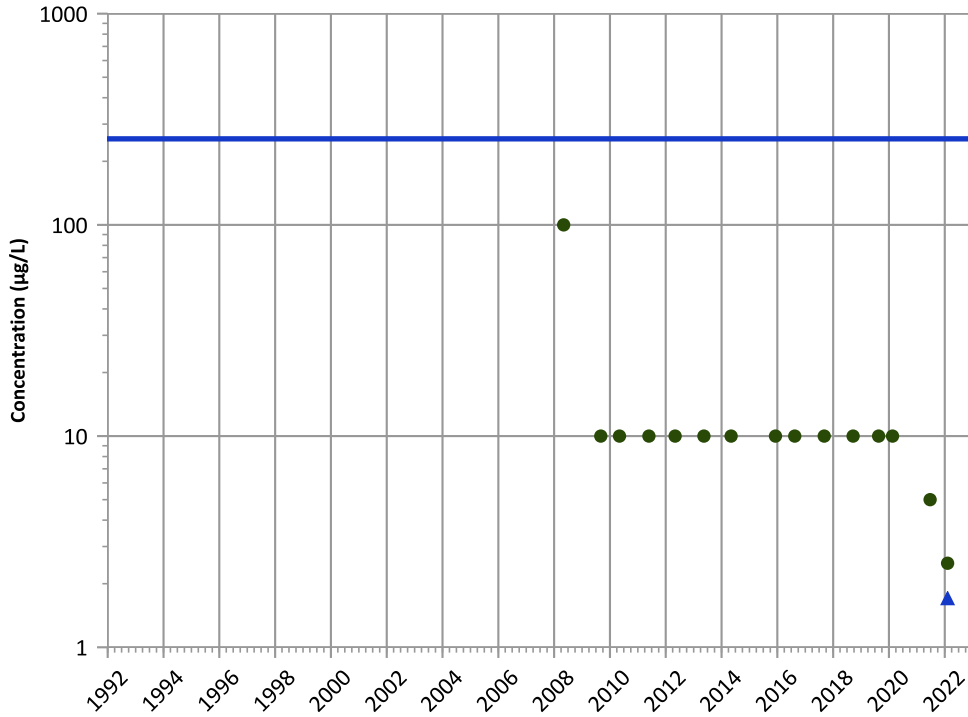
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1101 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

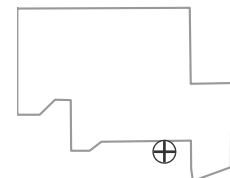
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

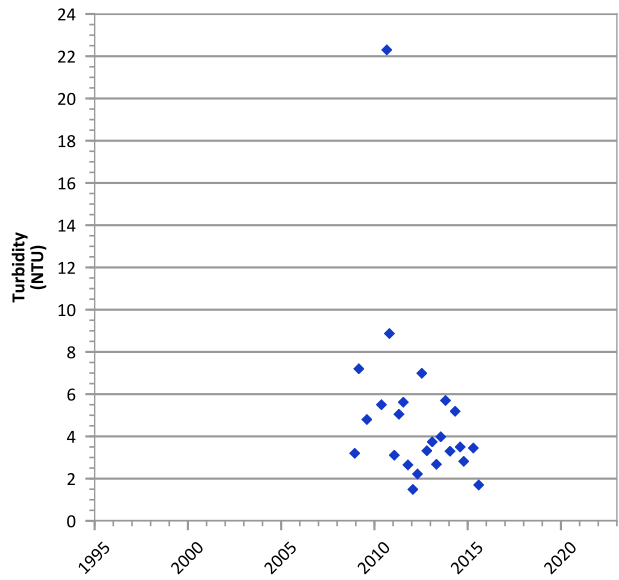
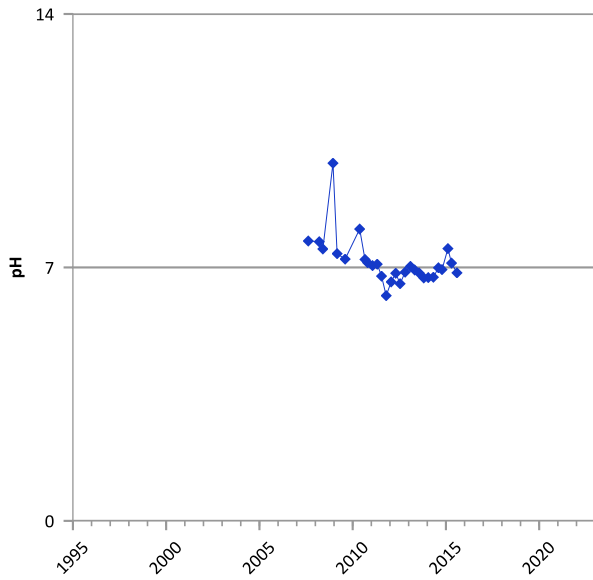
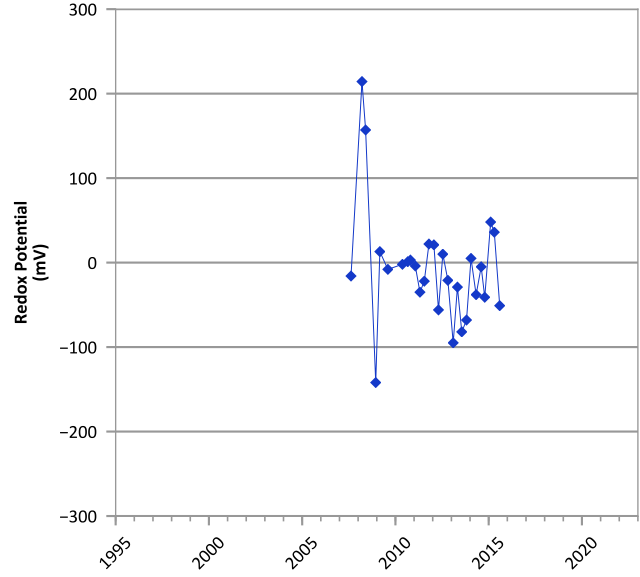
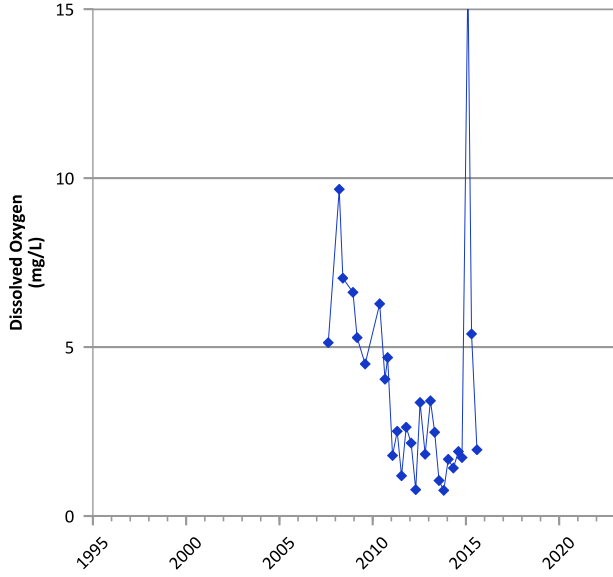
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 03/06/2007 to 02/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

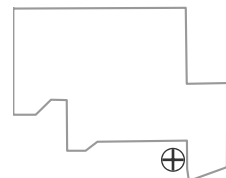


**PTX06-1123 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



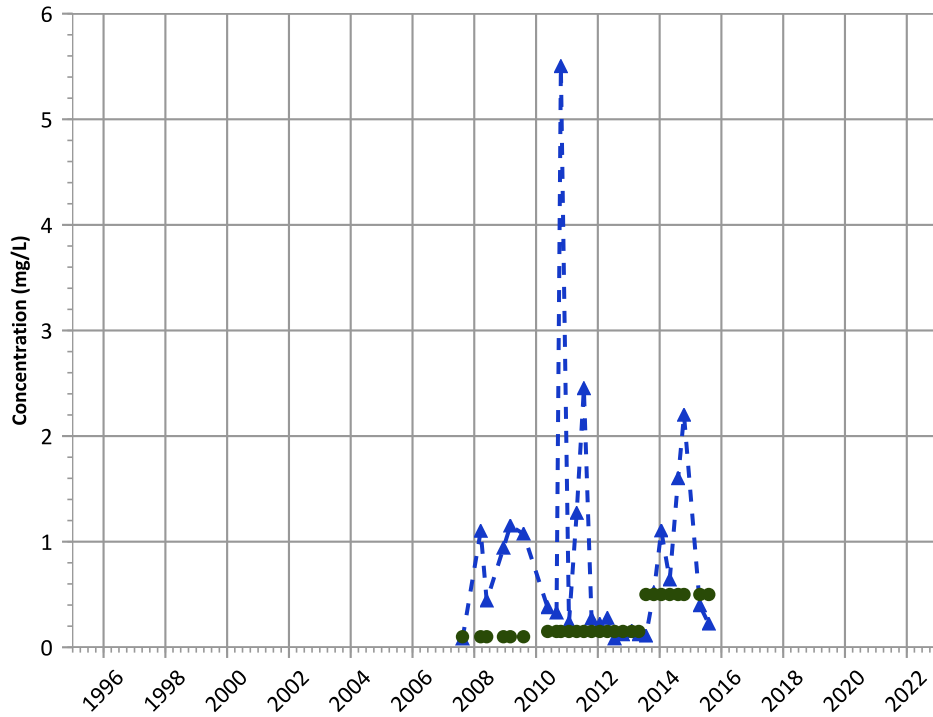
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/15/2007 to 08/05/2015  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1123 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

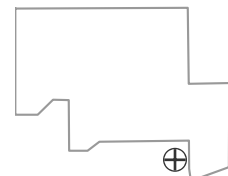
All Data:

No Trend

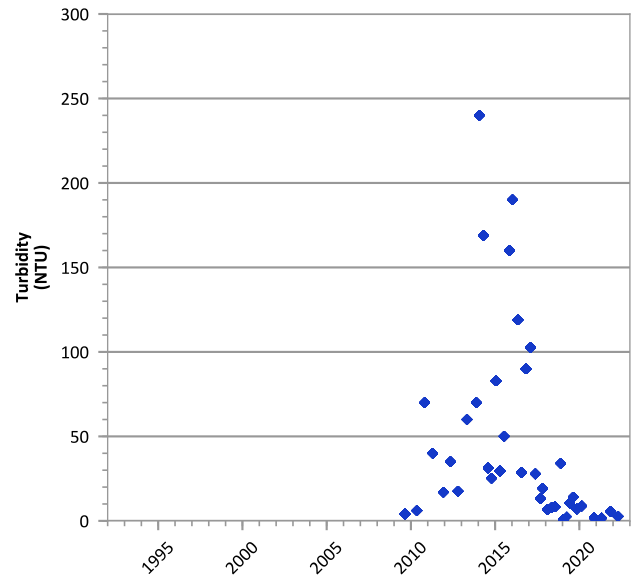
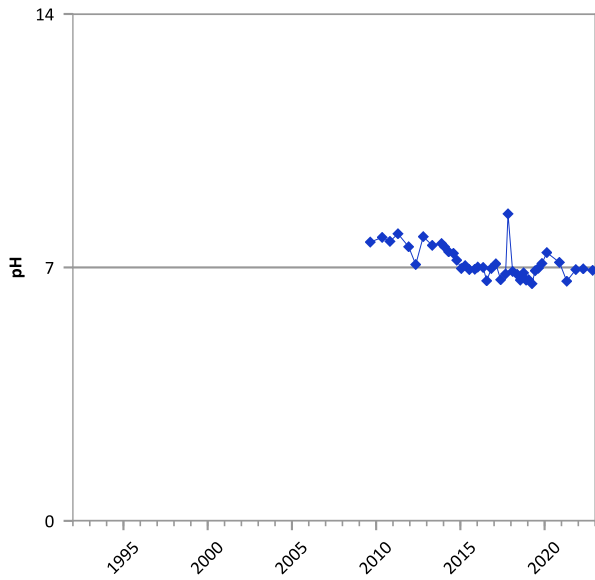
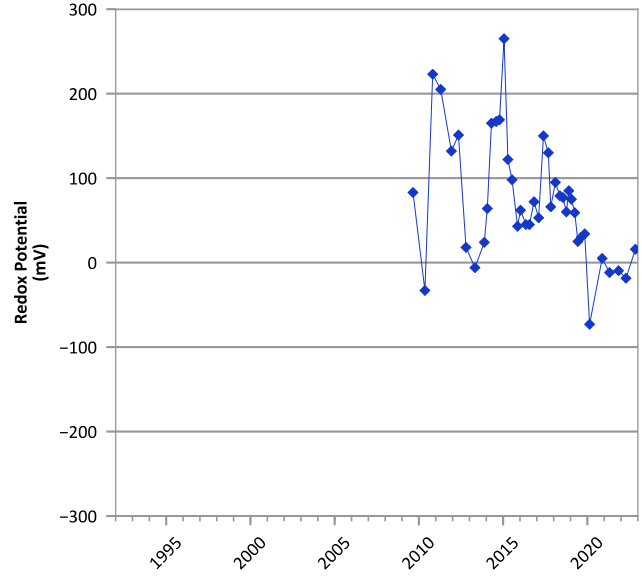
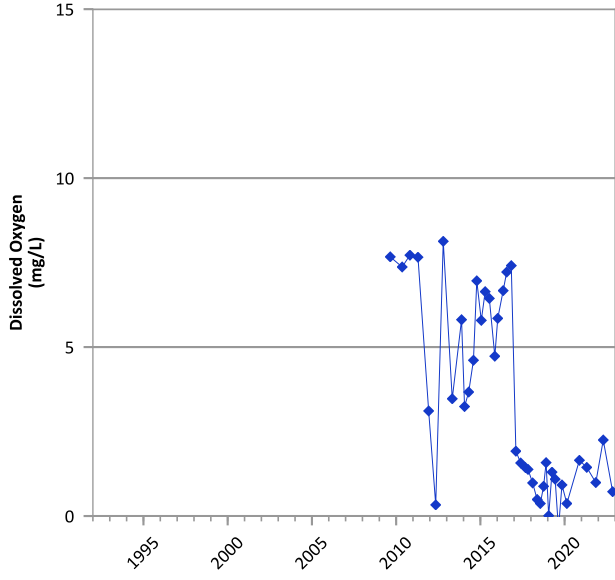
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/15/2007 to 08/05/2015  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

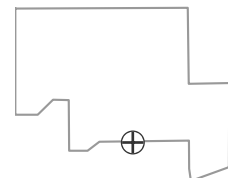


**PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



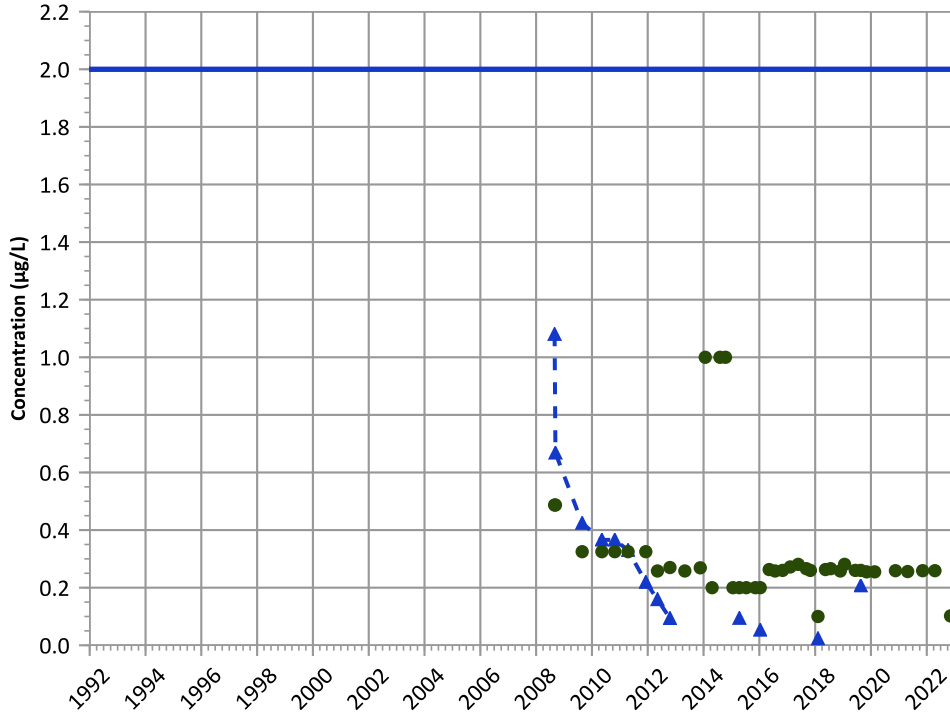
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/30/2008 to 11/08/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

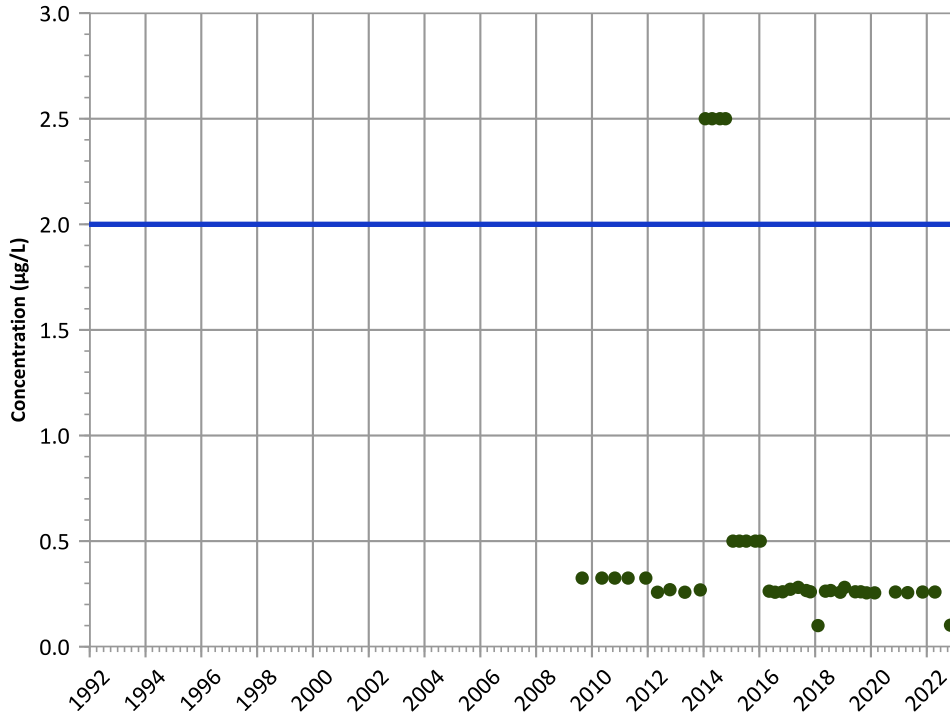


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

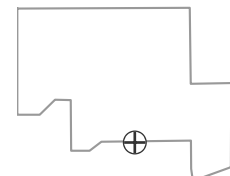
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

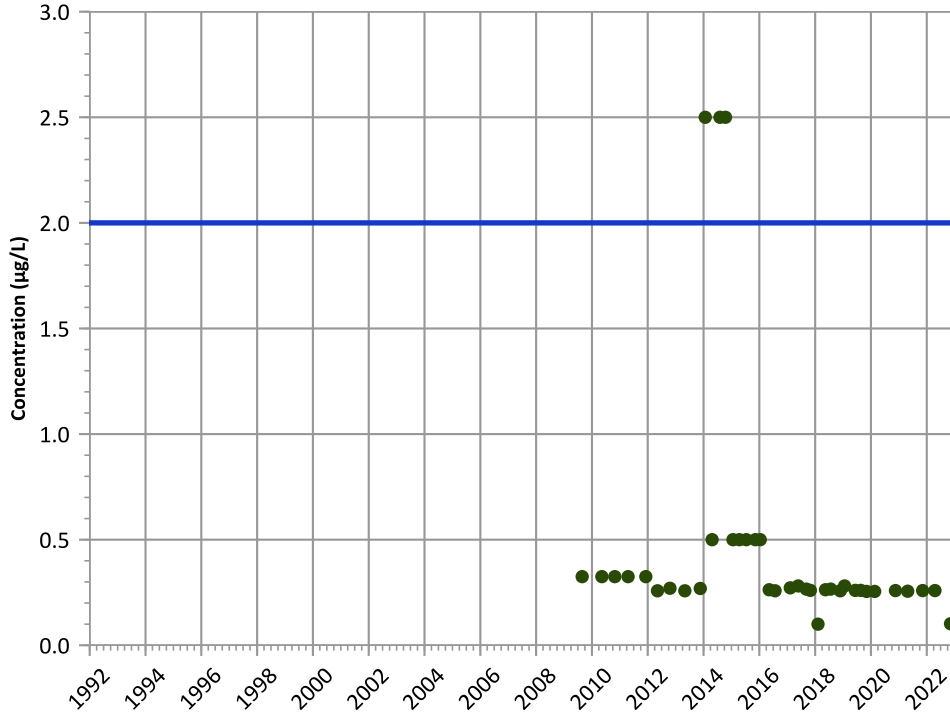
Well Location





PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

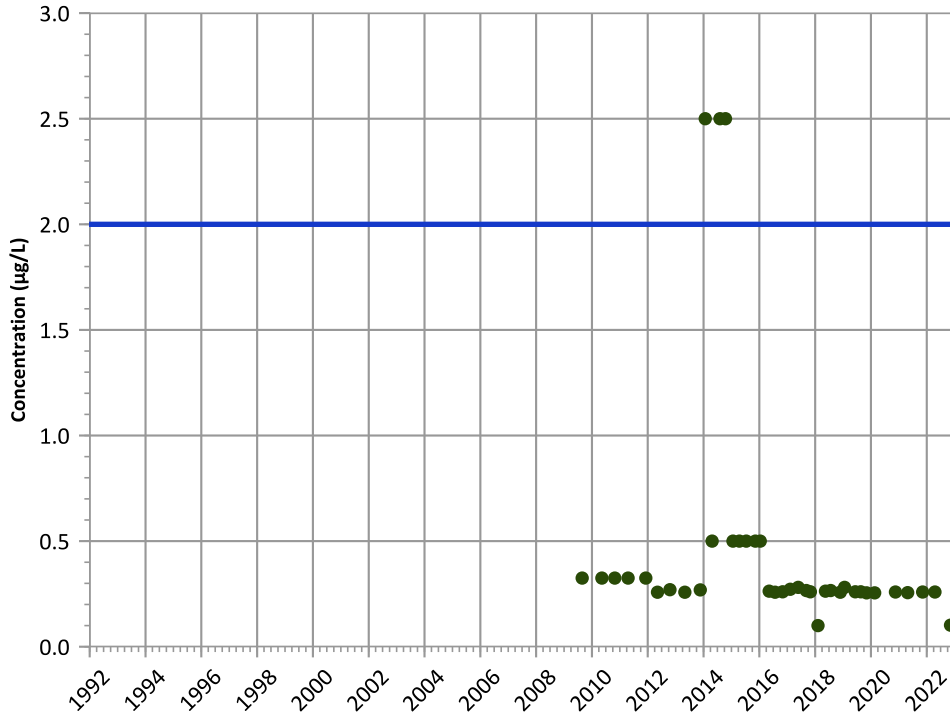
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

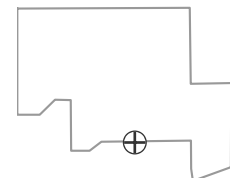
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

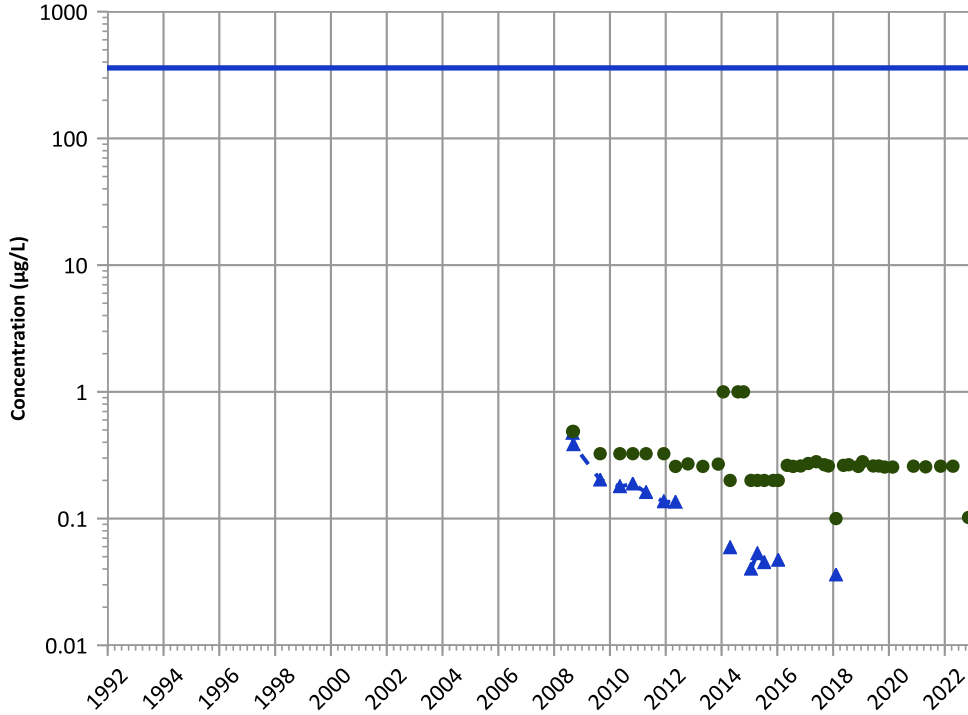
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

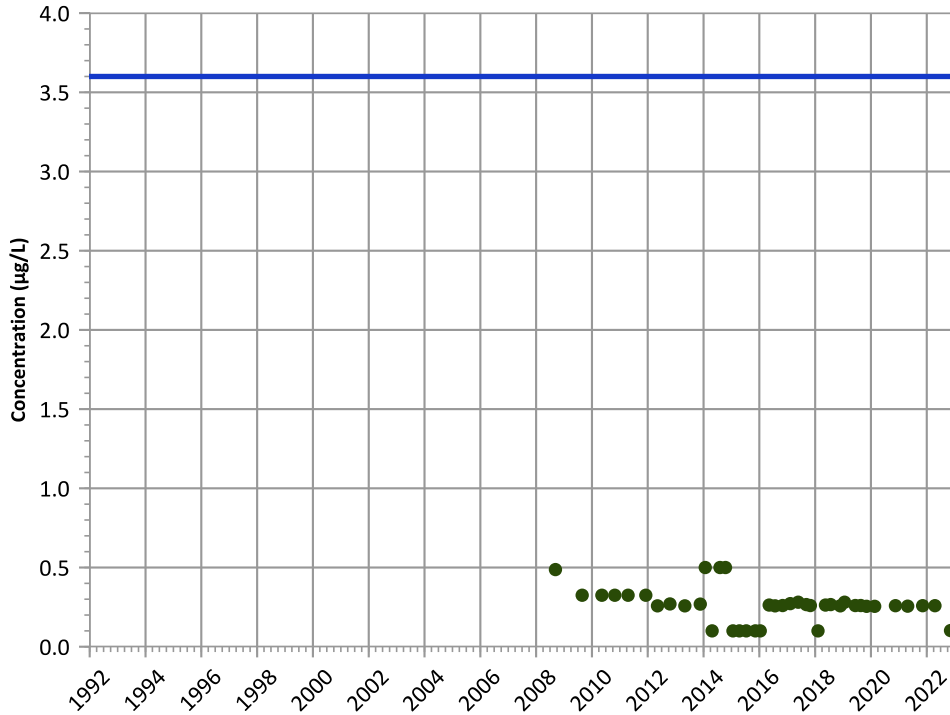


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

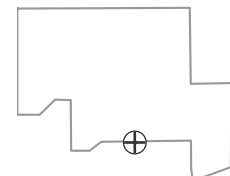
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

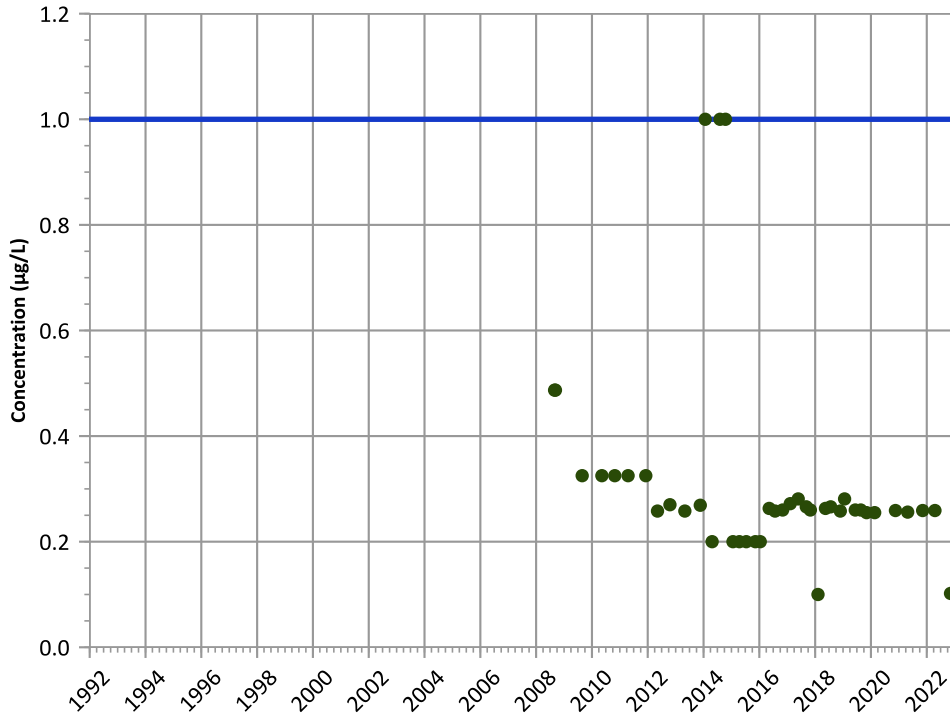
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

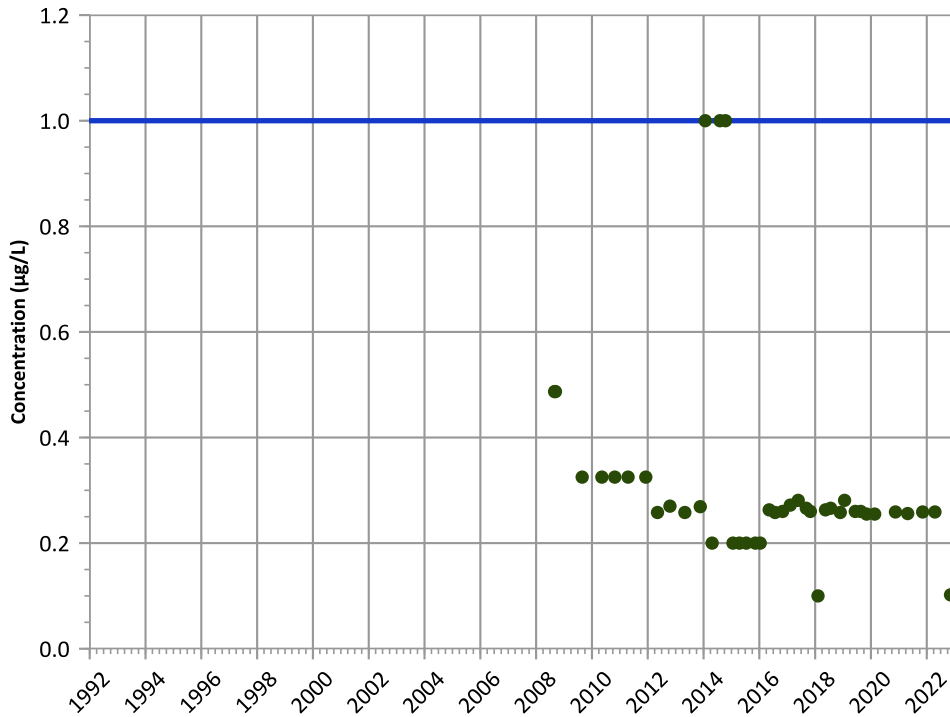


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

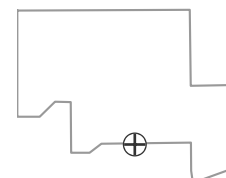


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

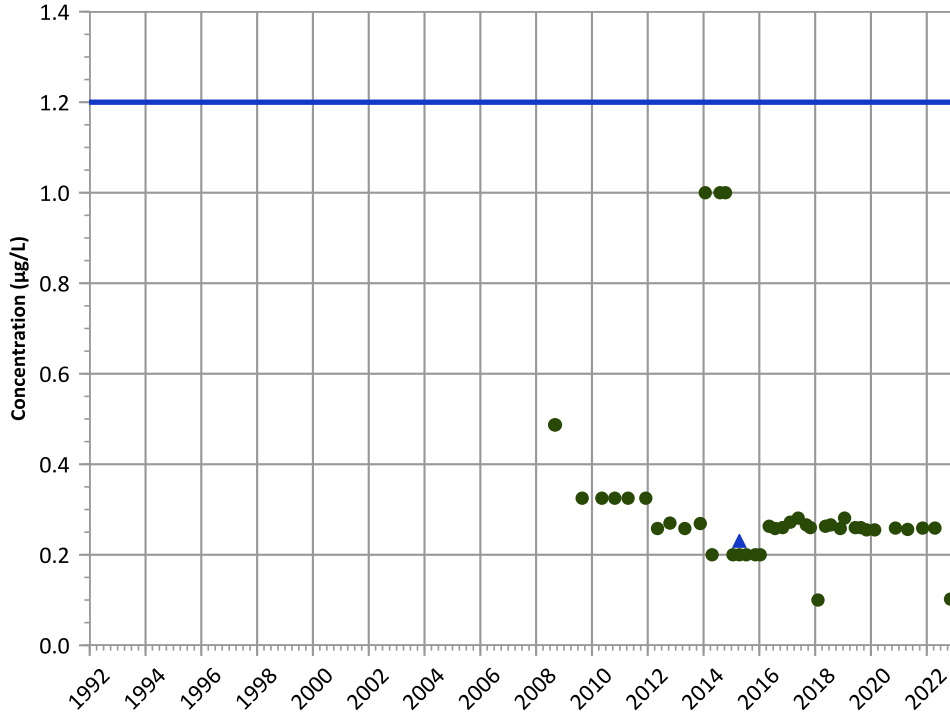


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

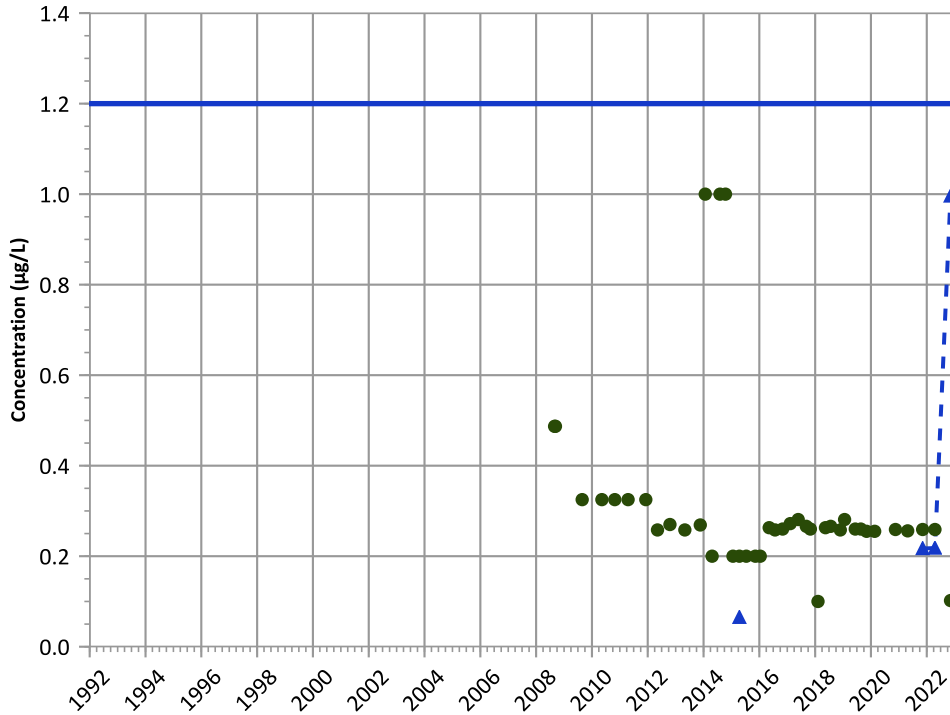


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

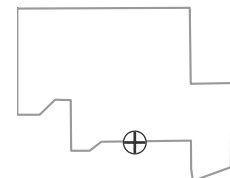
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

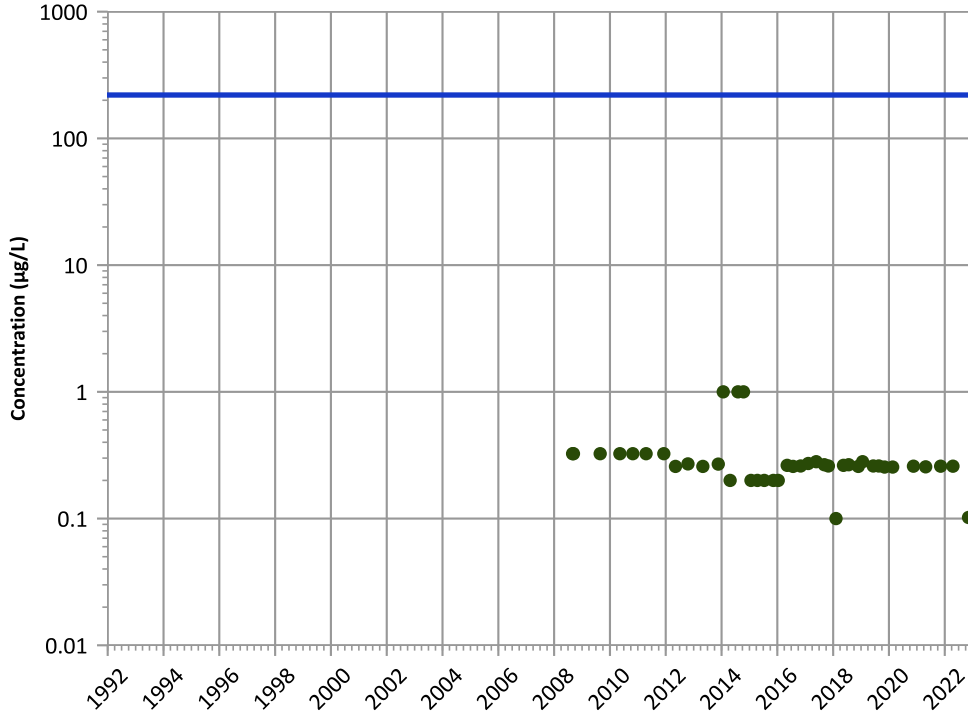
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

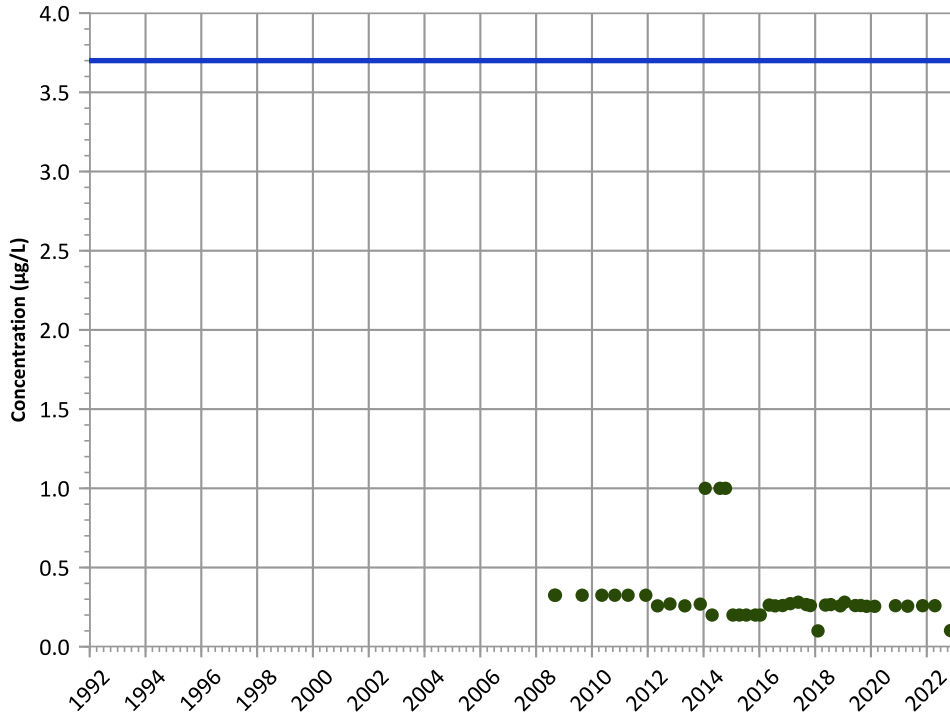
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

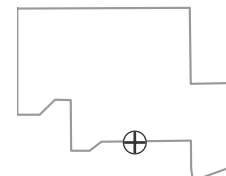
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

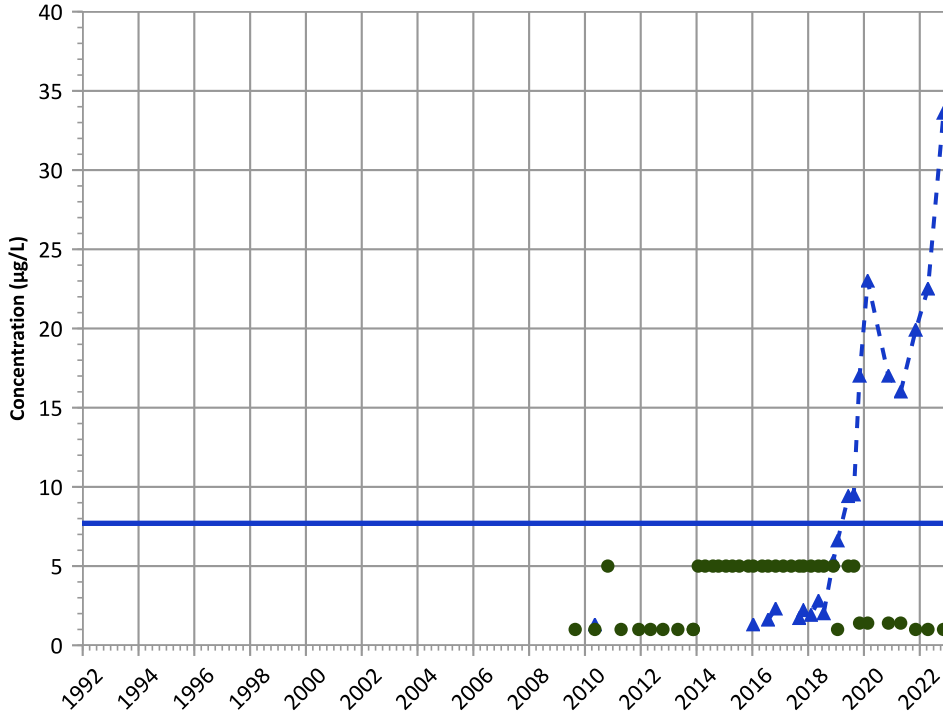
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

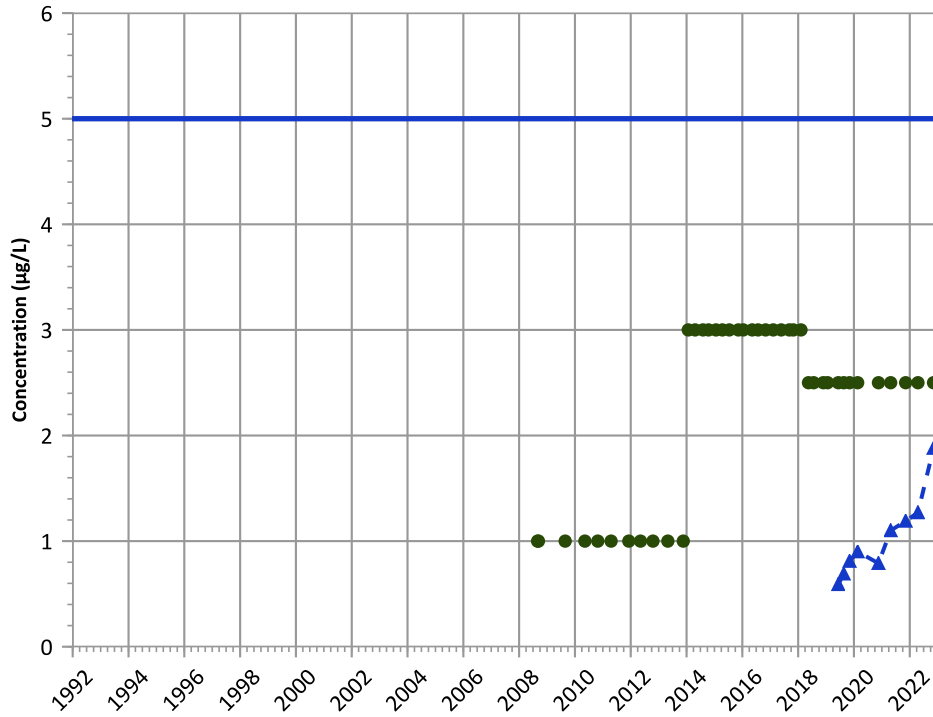
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

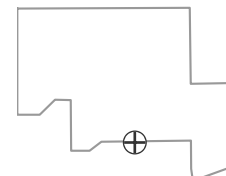
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

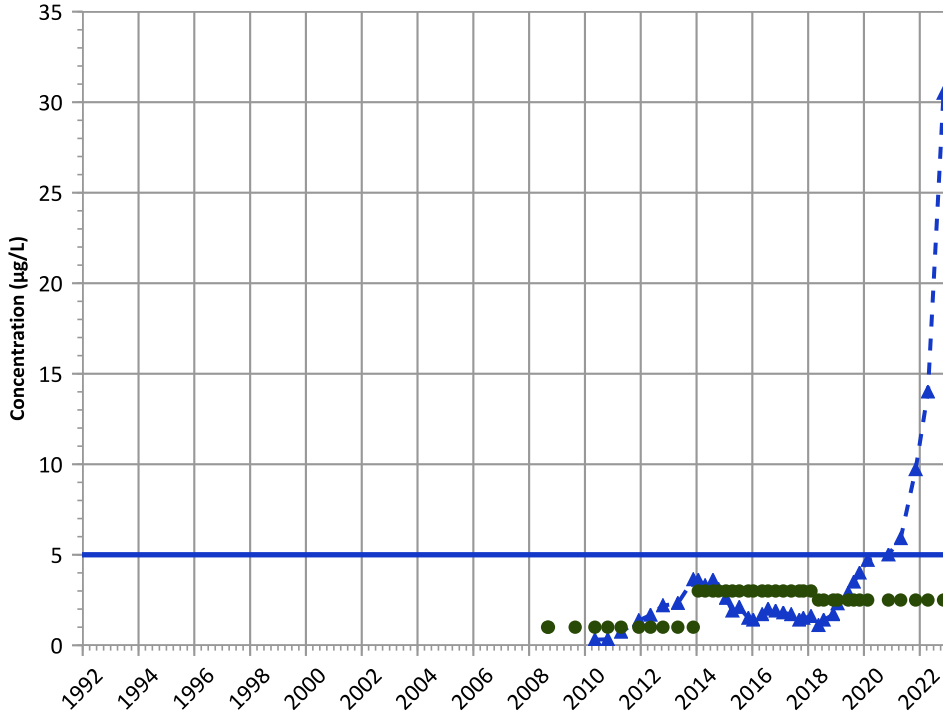
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

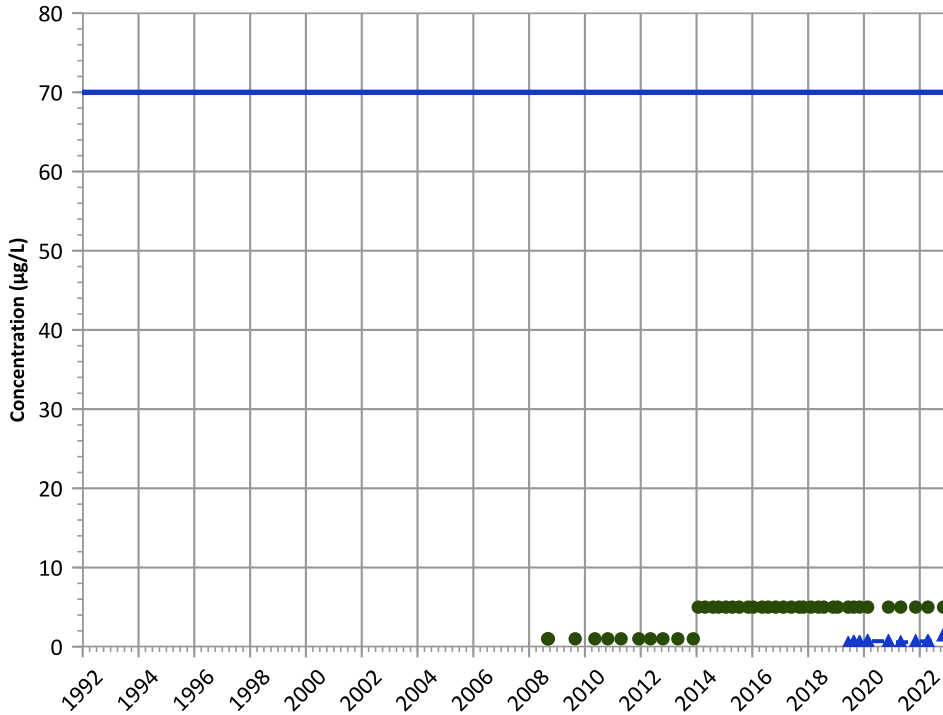
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

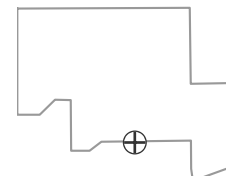
2020 - 2022 Data:

Increasing

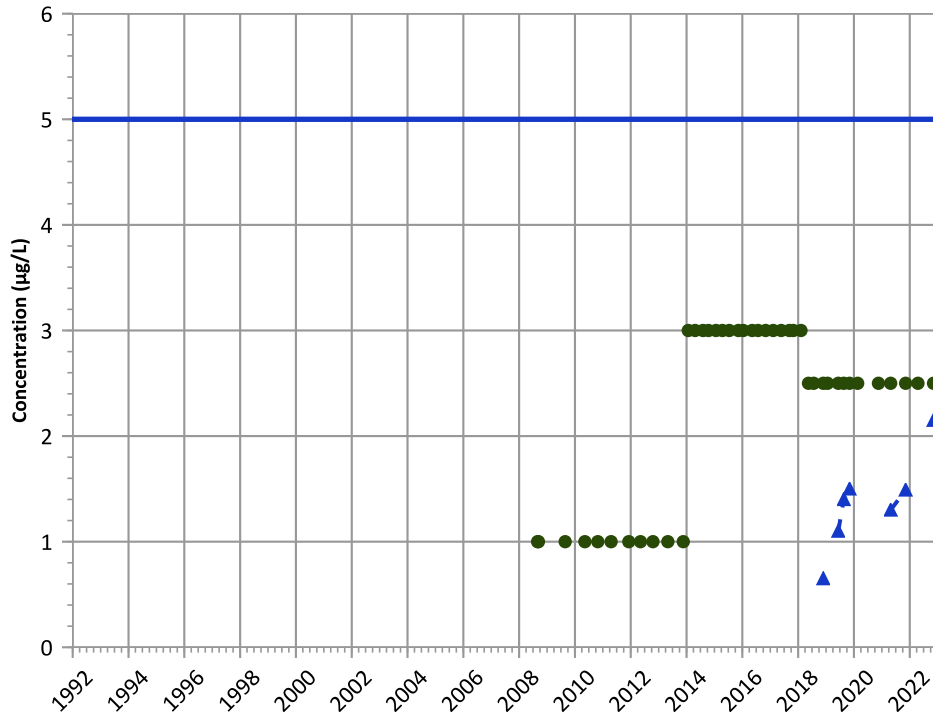
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

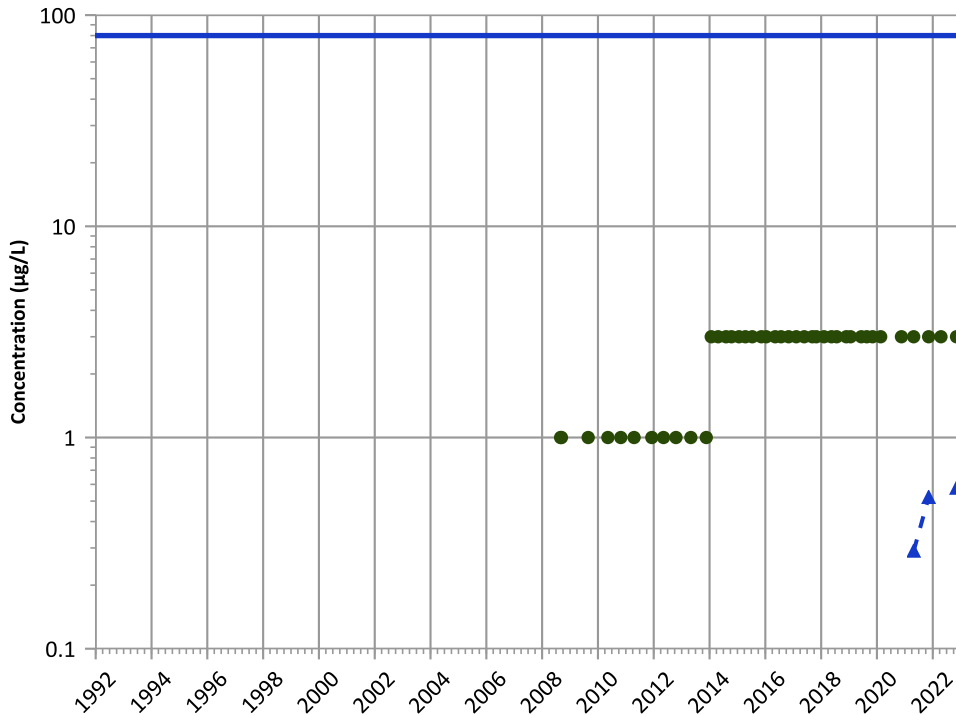


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**Chloroform Trend**

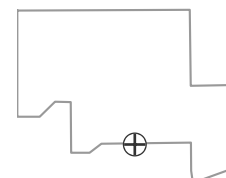


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

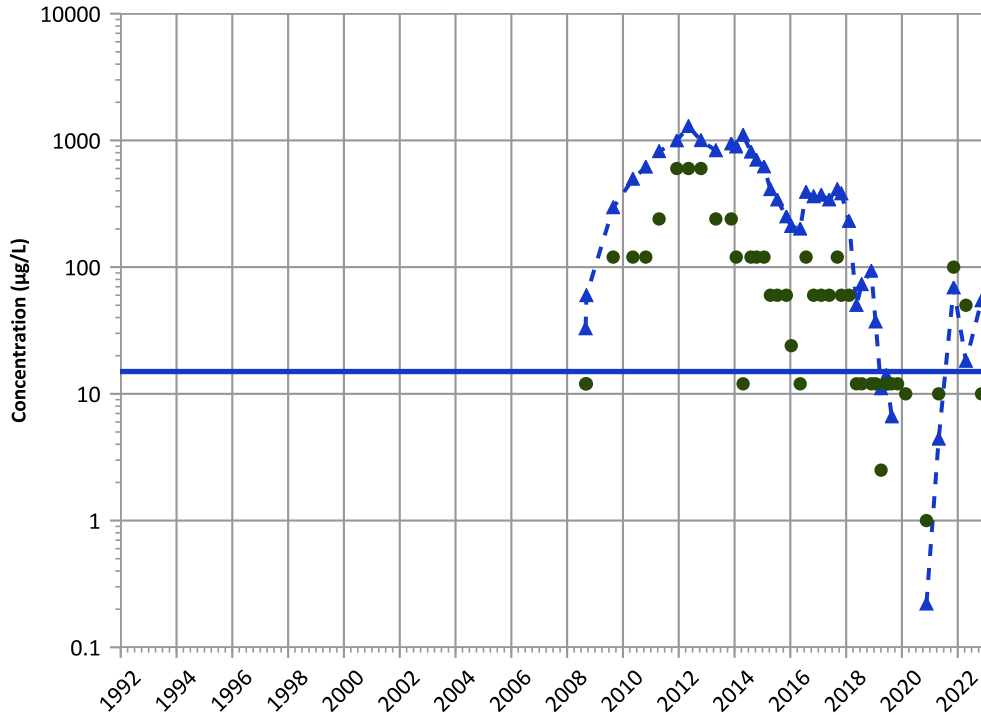


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**

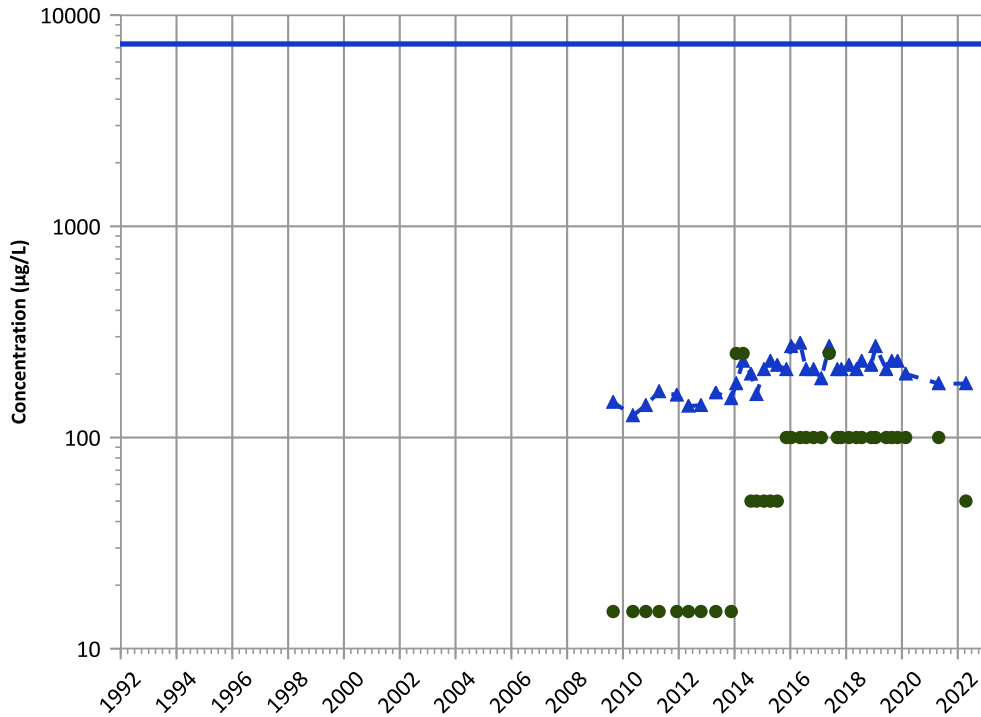


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Boron Trend**



**Concentration Trend**

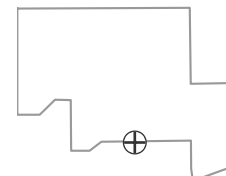
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

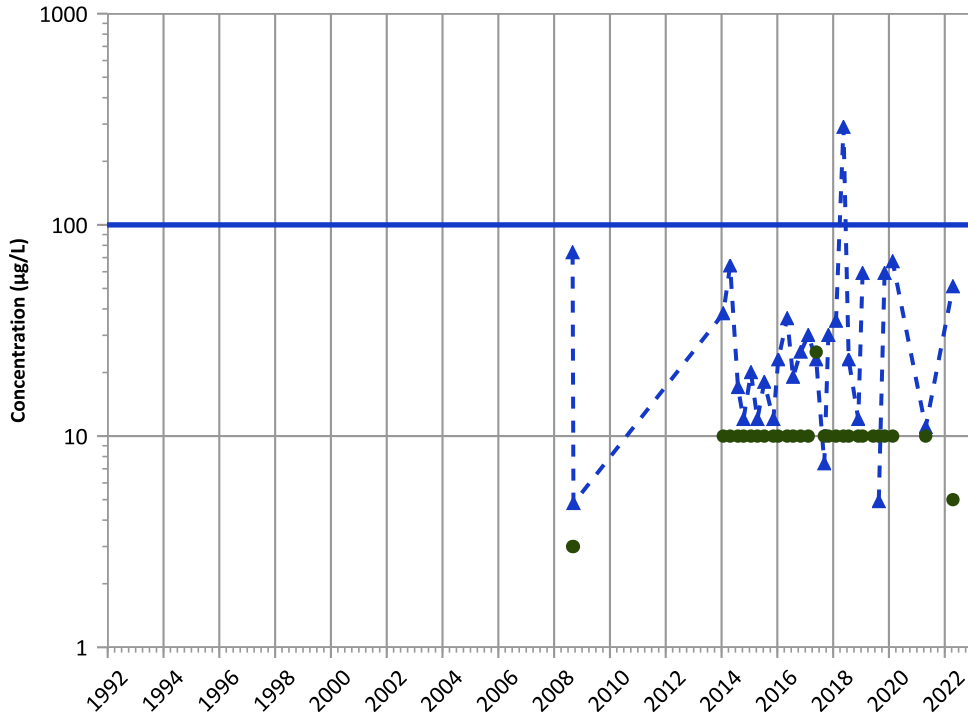
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

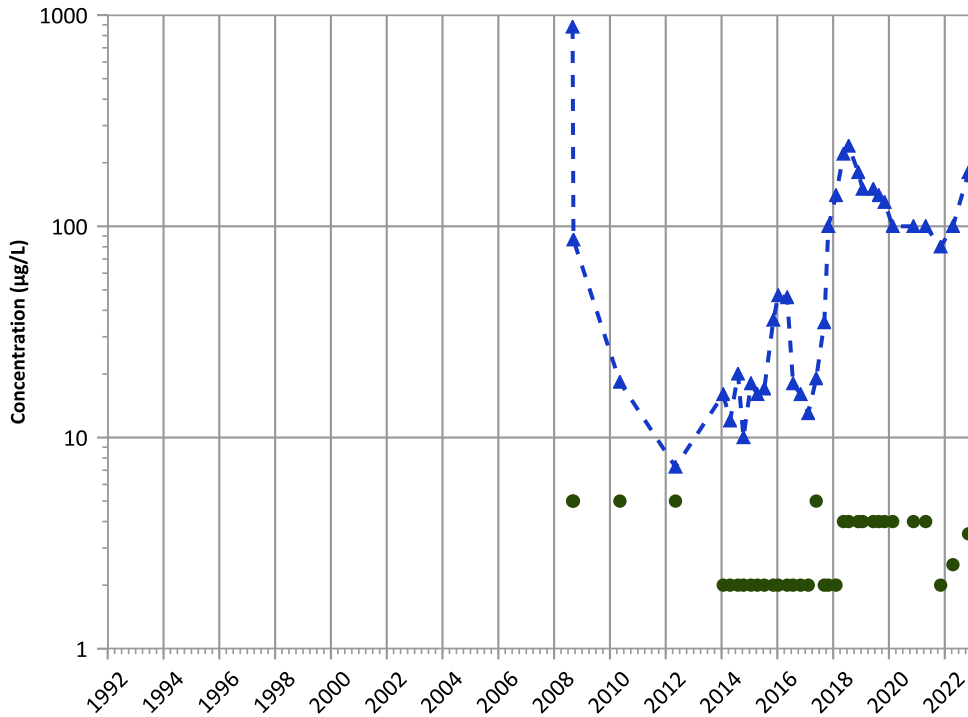


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Manganese Trend



Concentration Trend

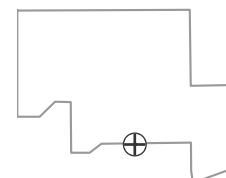
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

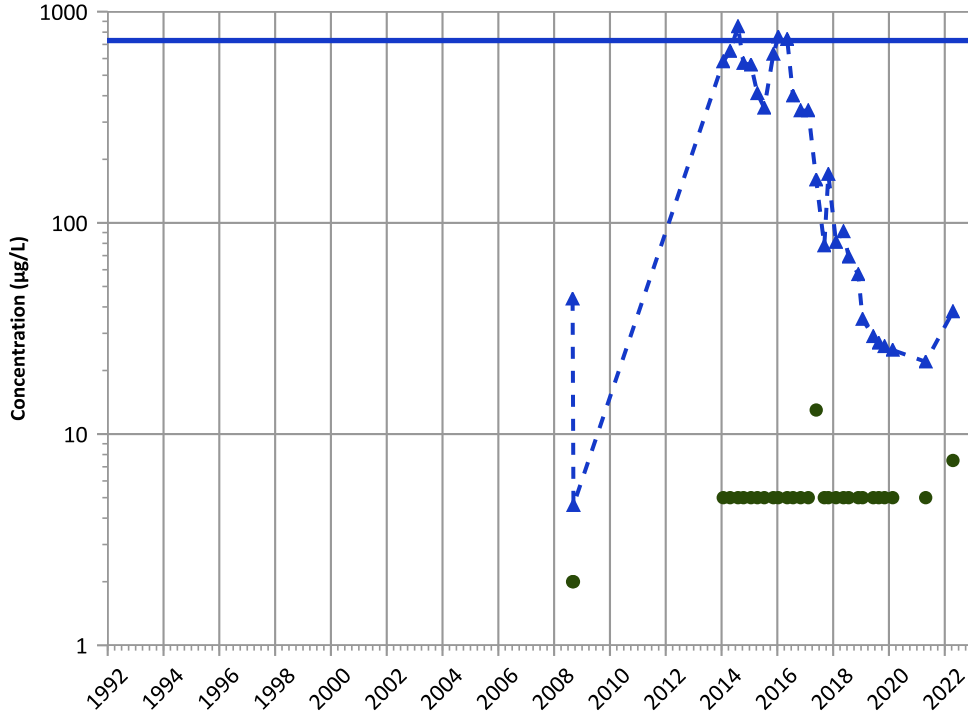
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

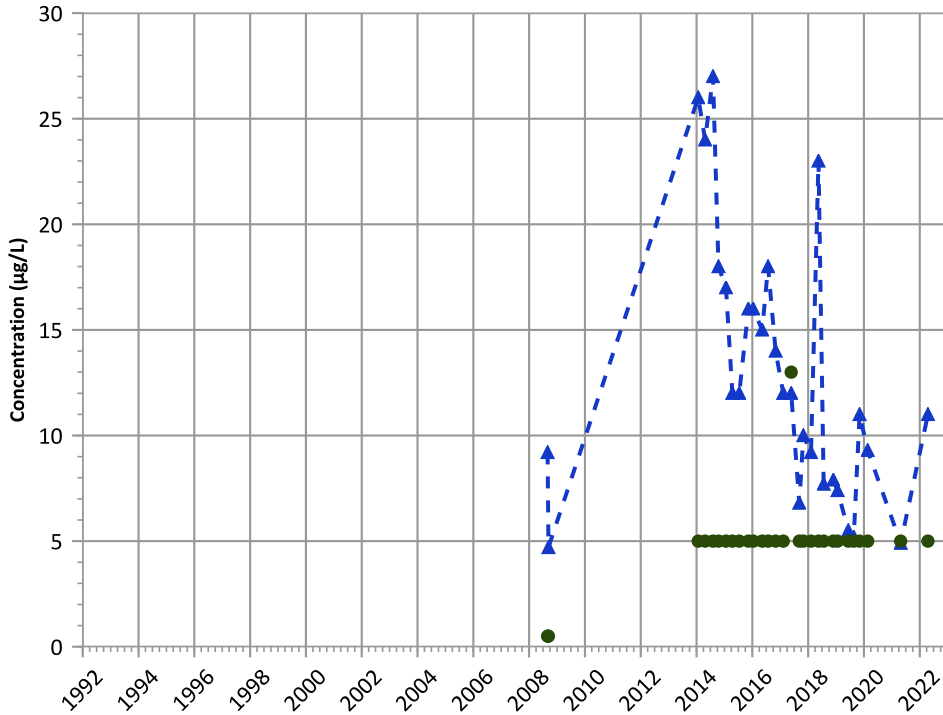


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

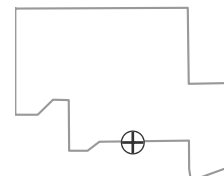
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

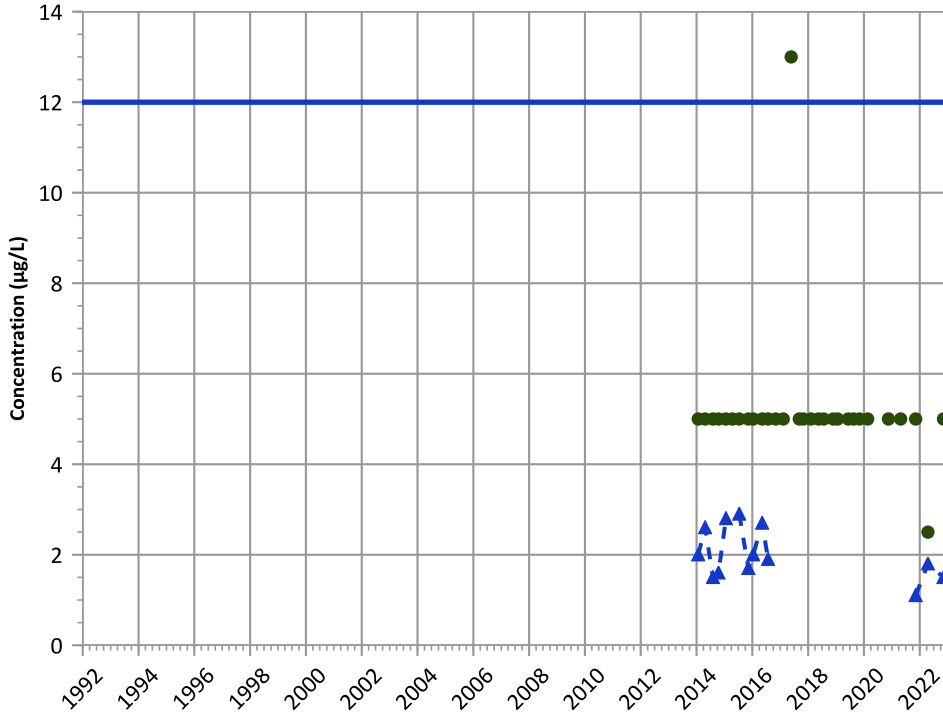
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

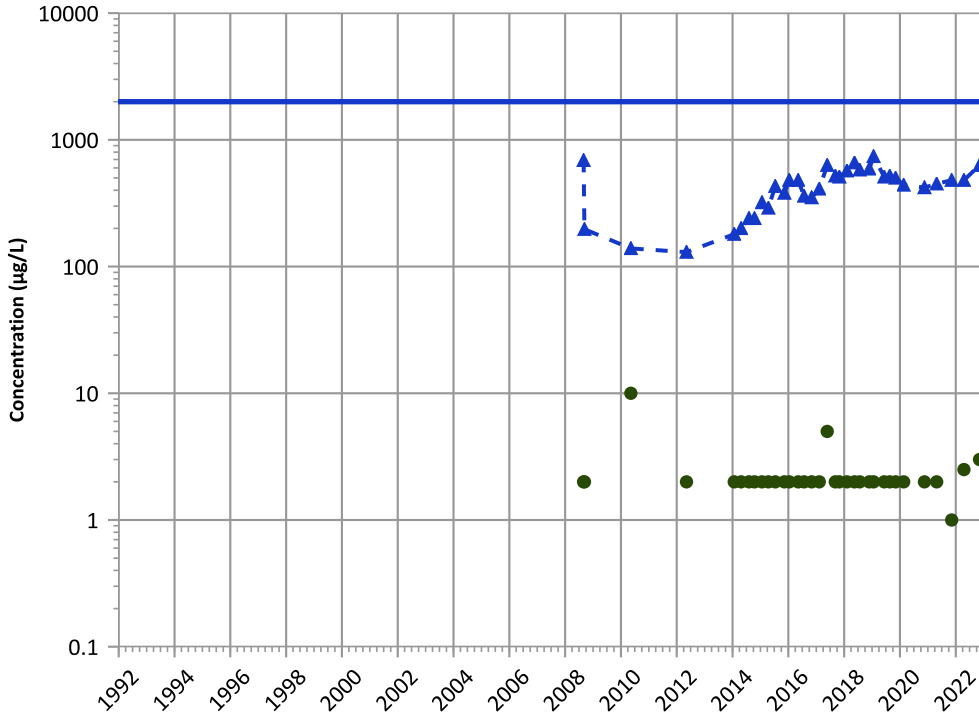


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Barium Trend



Concentration Trend

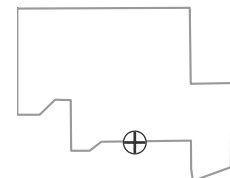
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

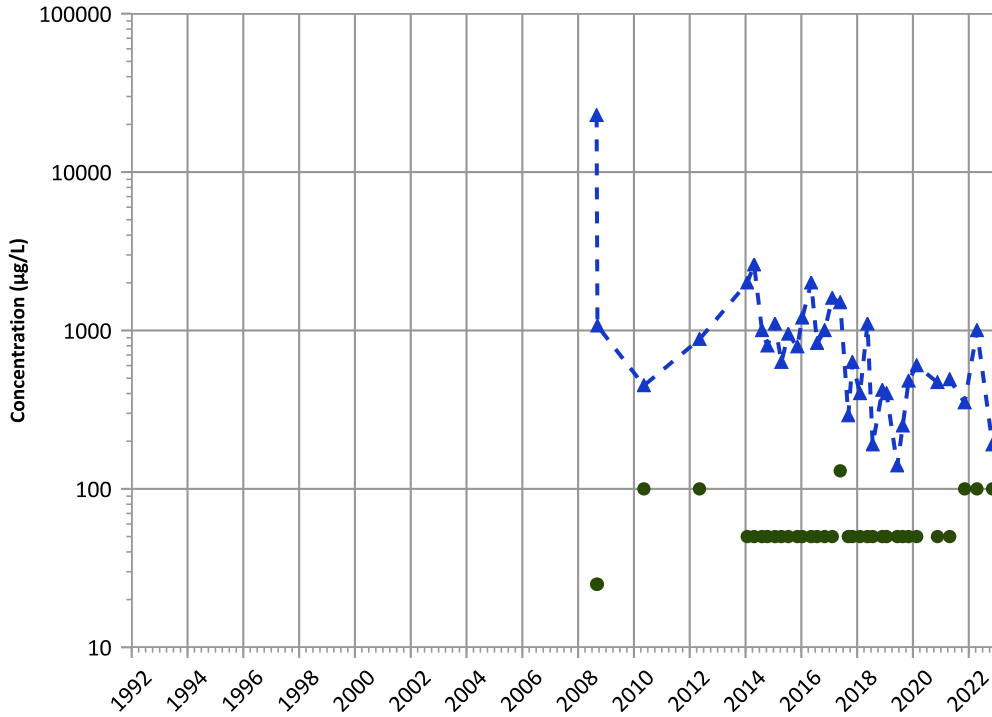
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

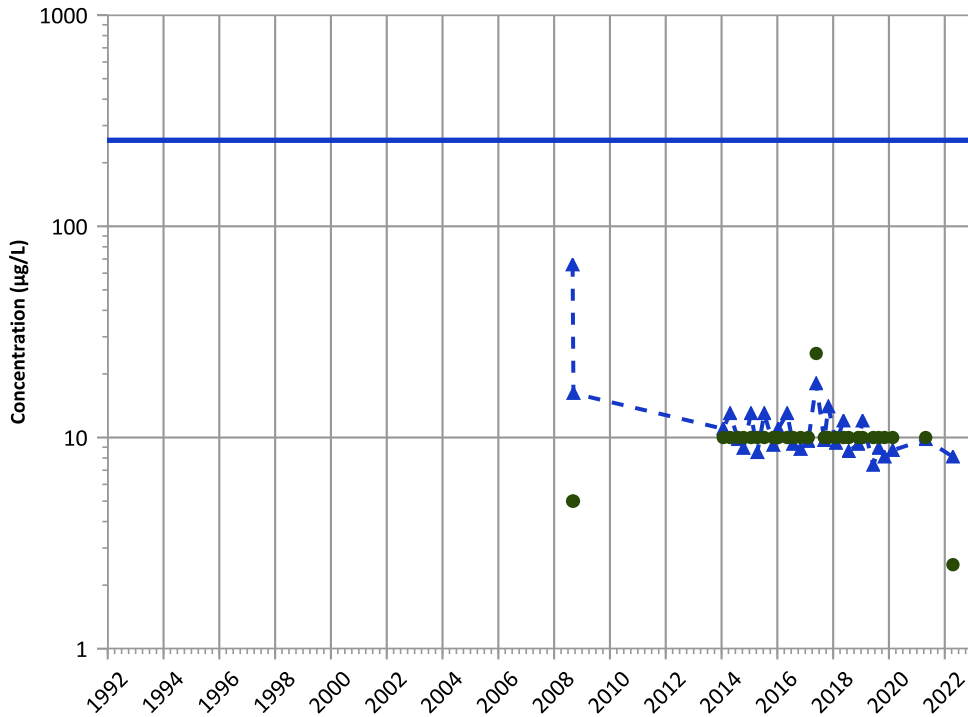
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Stable

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

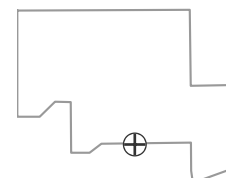
2020 - 2022 Data:

No Trend

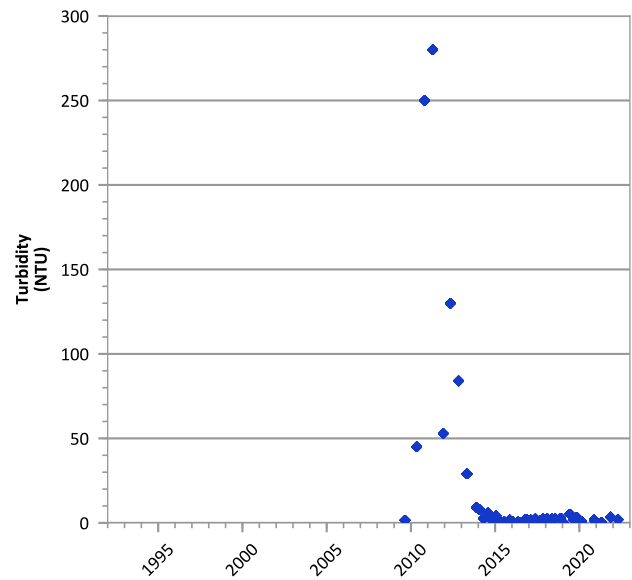
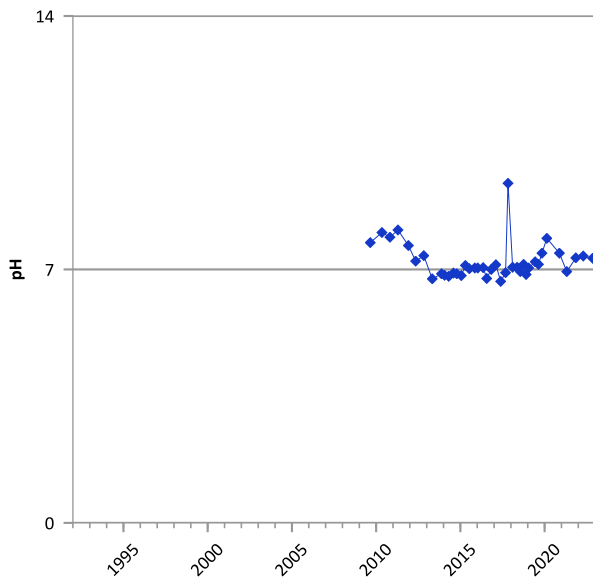
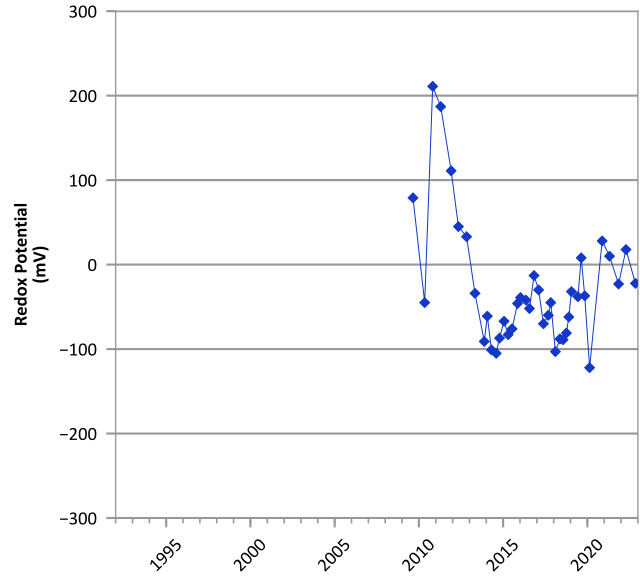
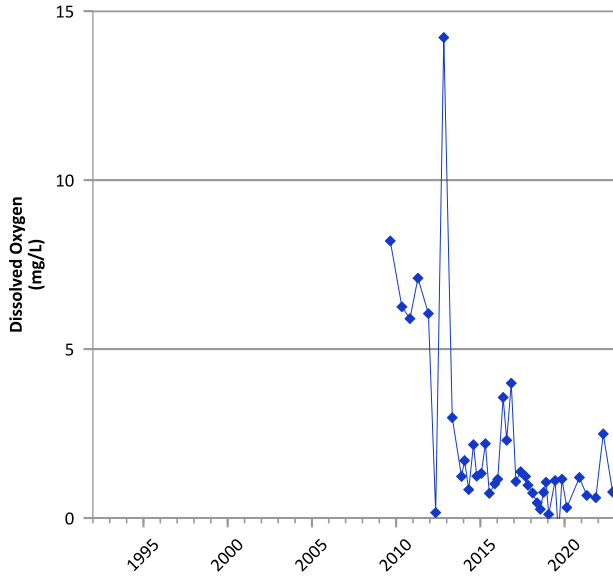
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

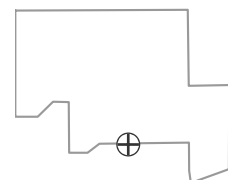


**PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



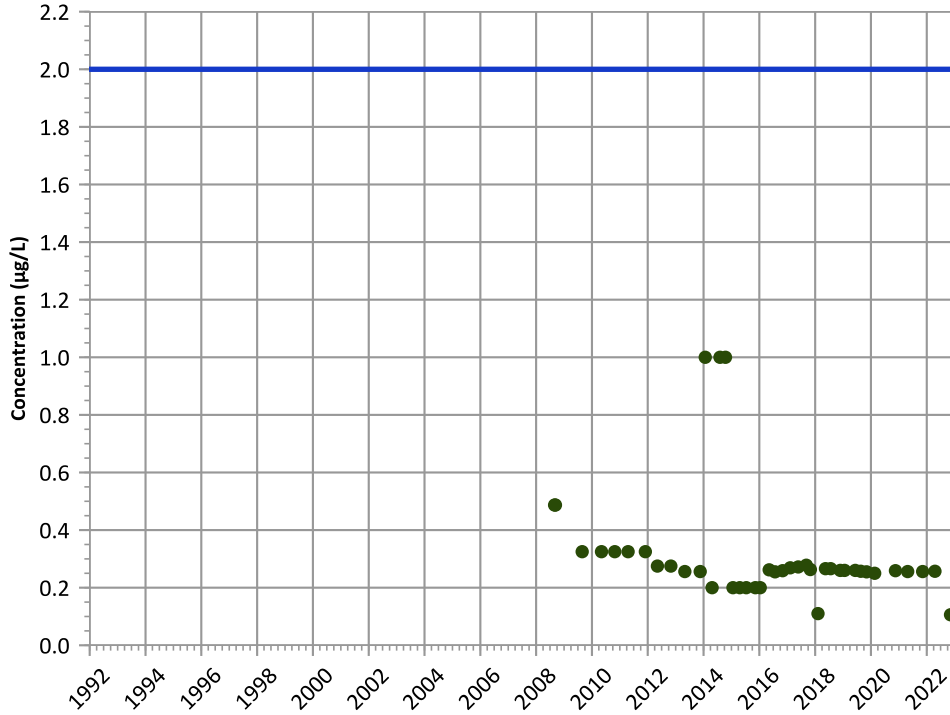
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/30/2008 to 11/08/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

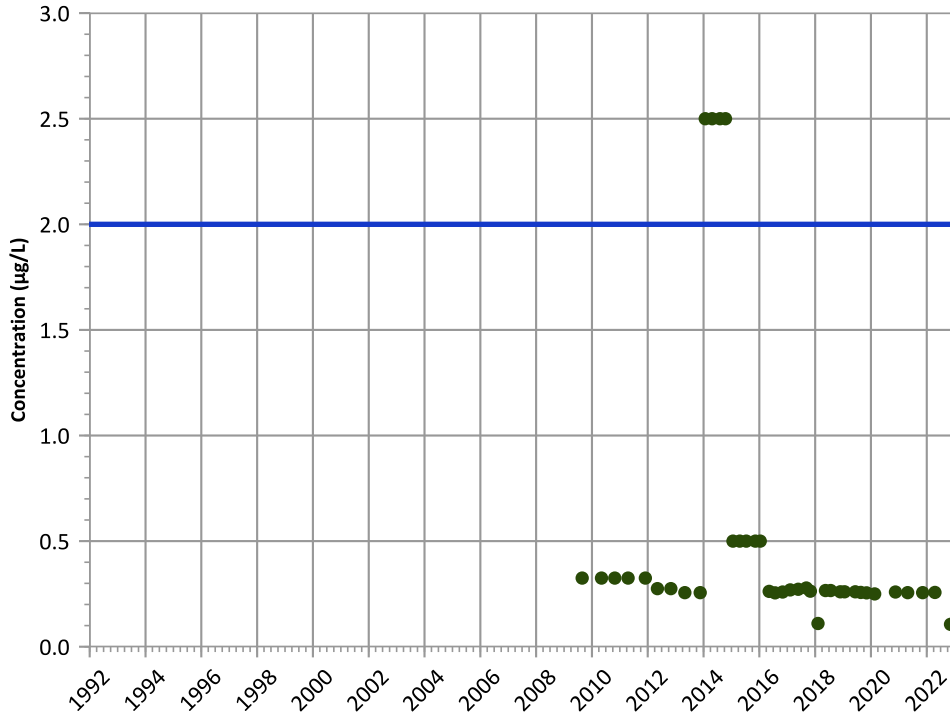
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

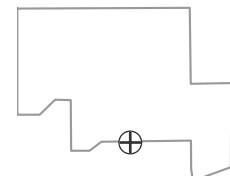
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

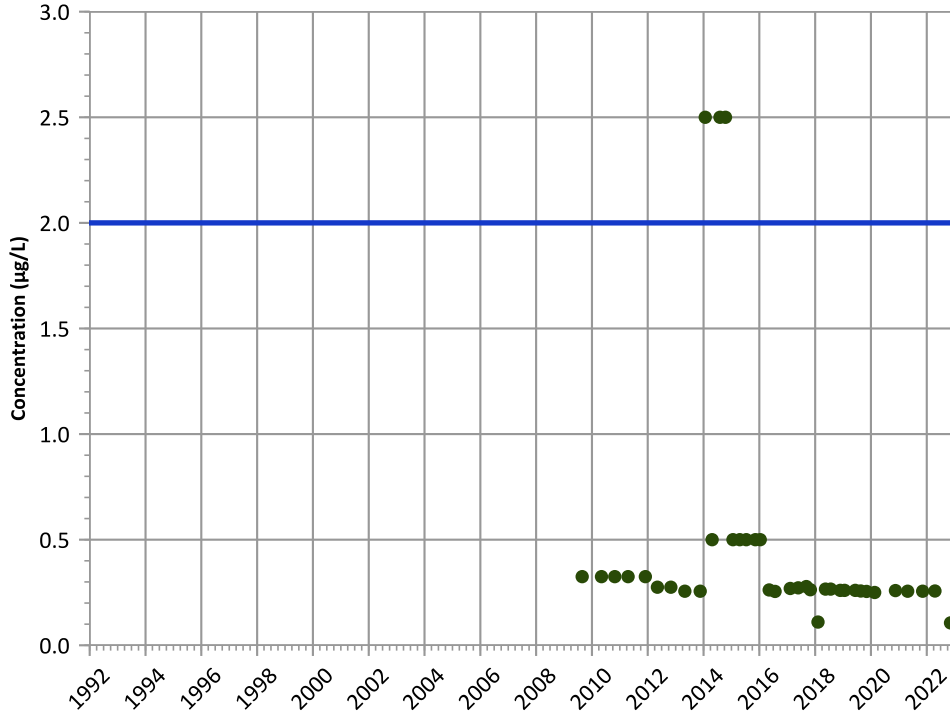
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

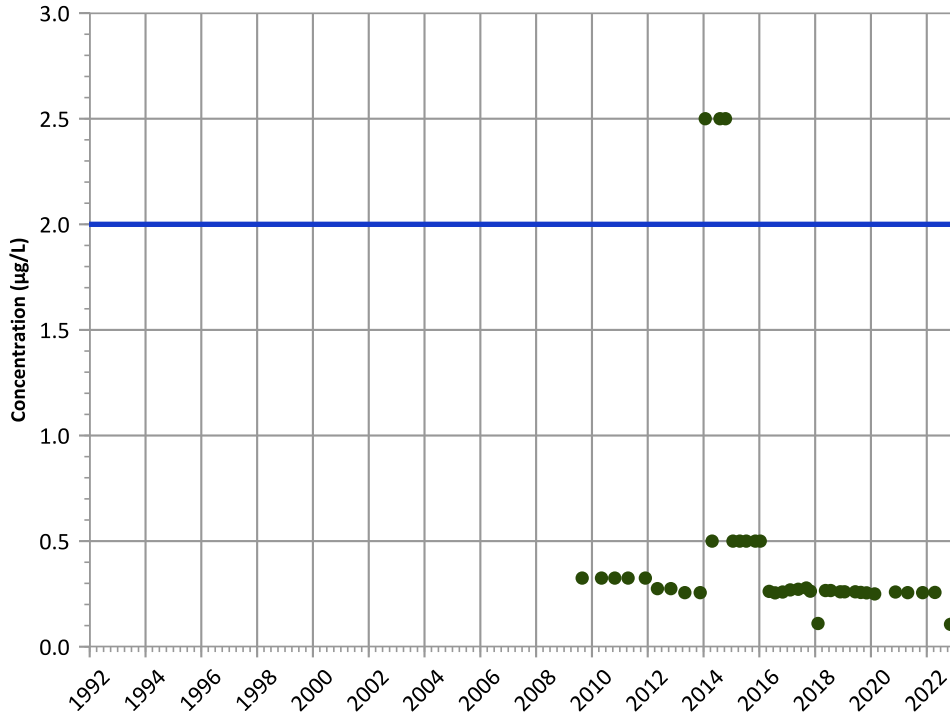
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

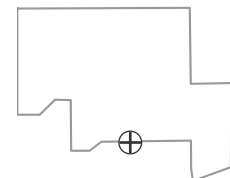
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

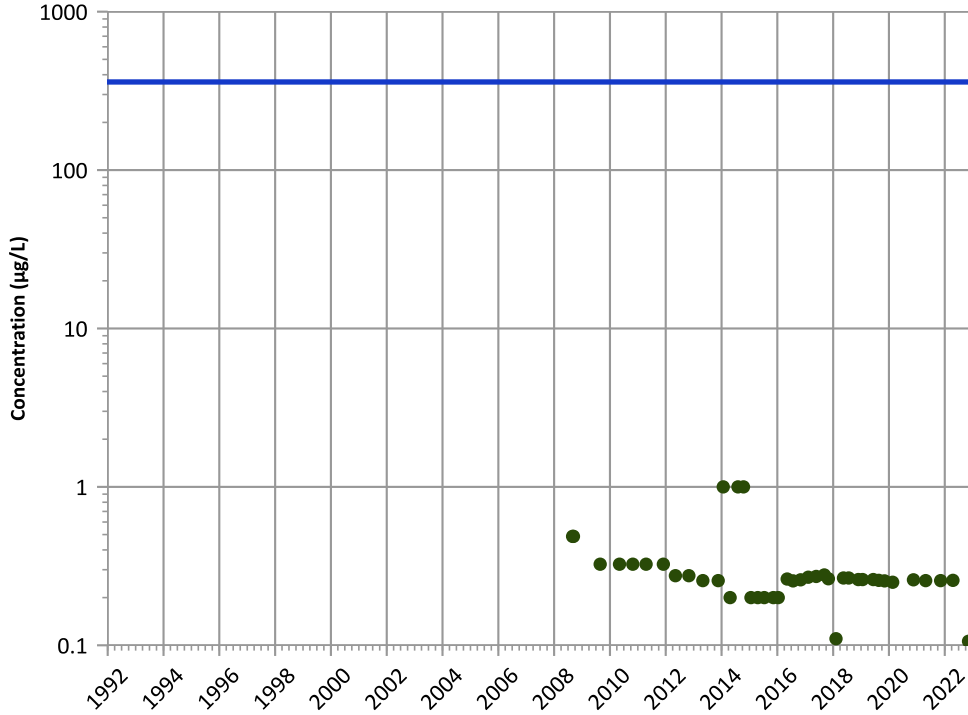
Well Location





PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

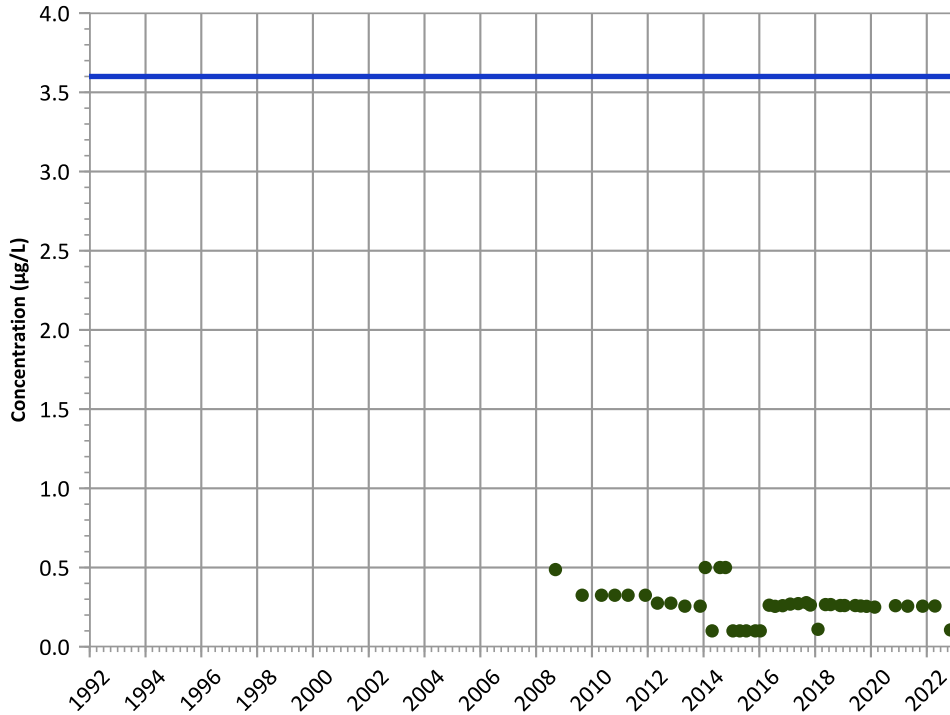
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

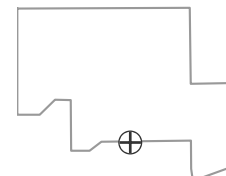
2020 - 2022 Data:

All Non-Detect

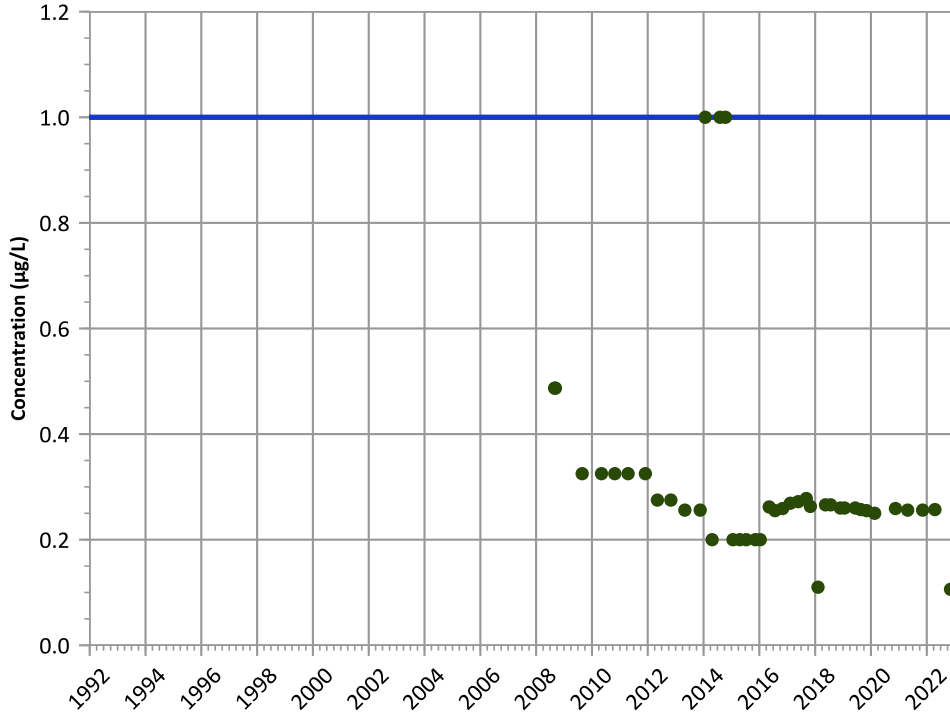
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

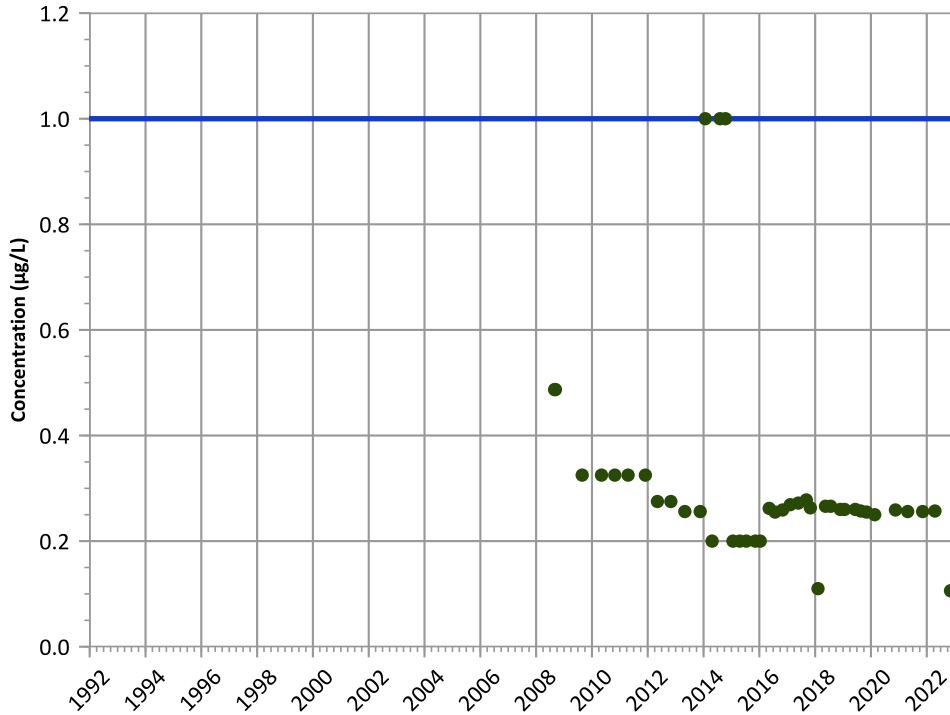


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

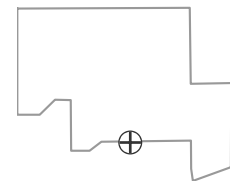


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

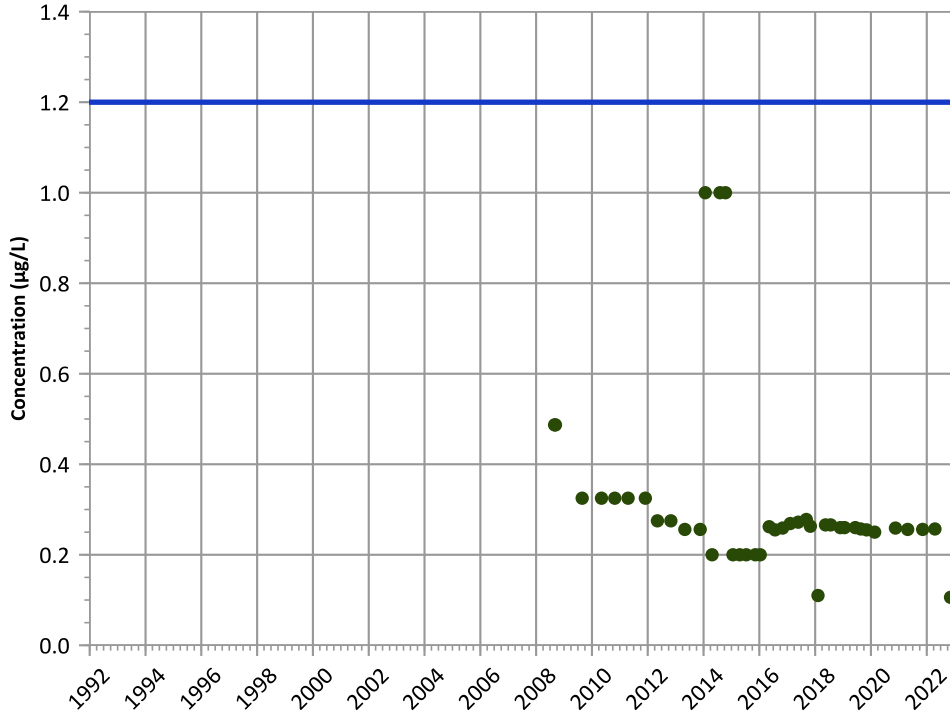


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

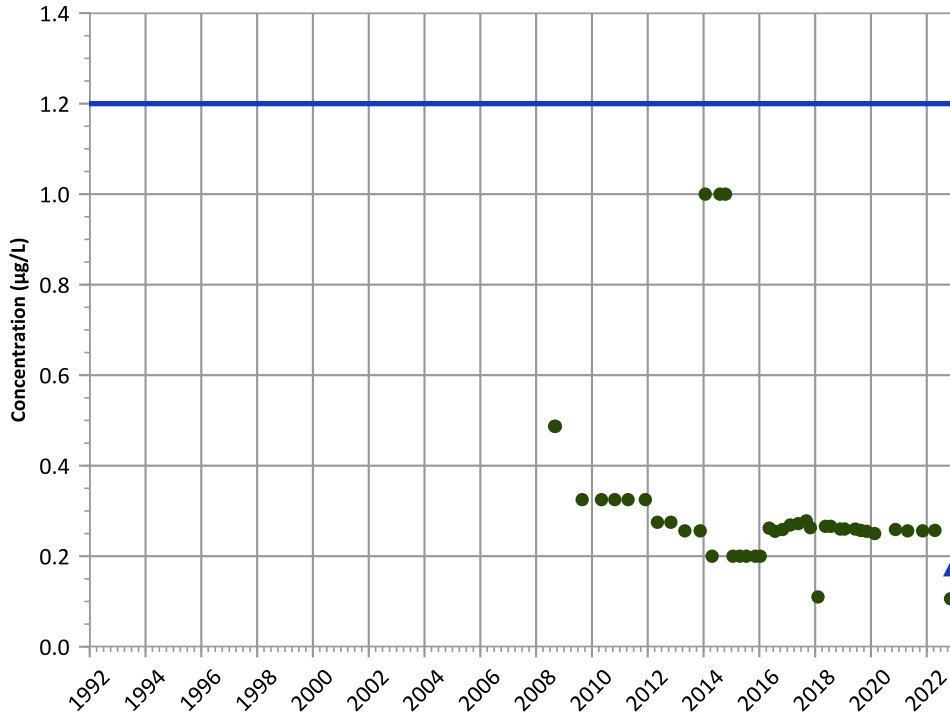
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

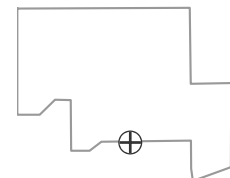
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

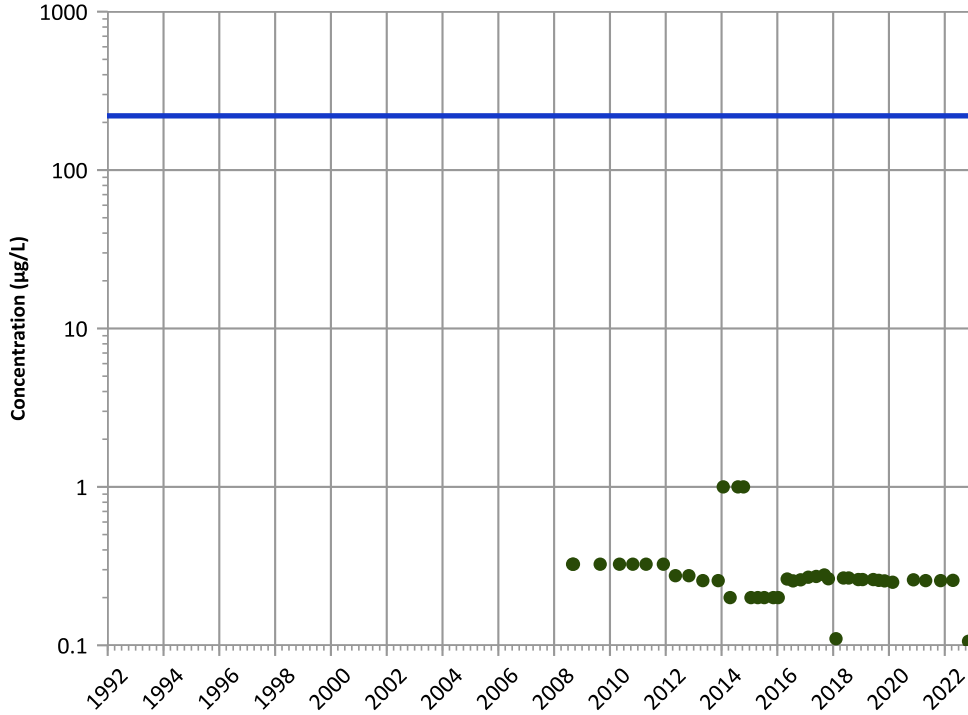
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

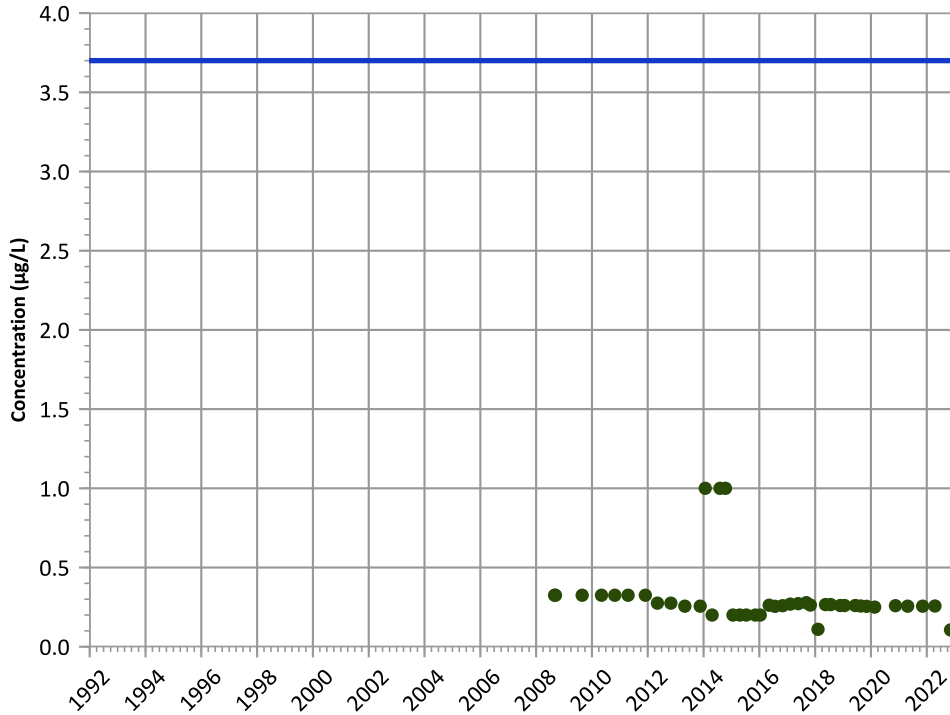
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

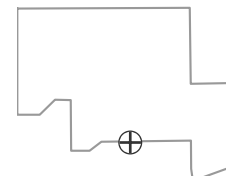
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

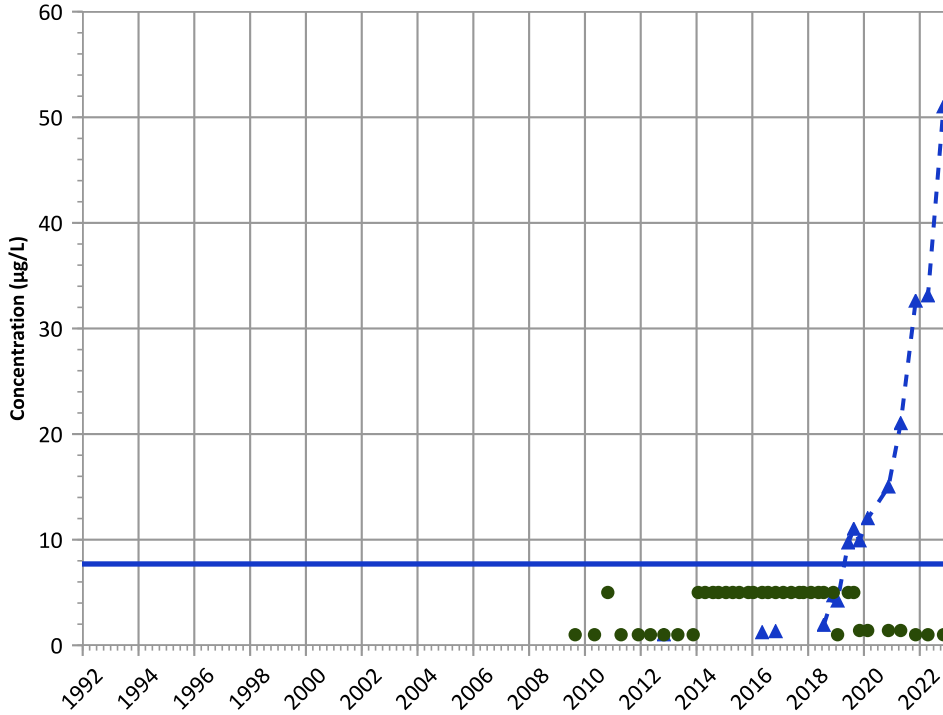
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

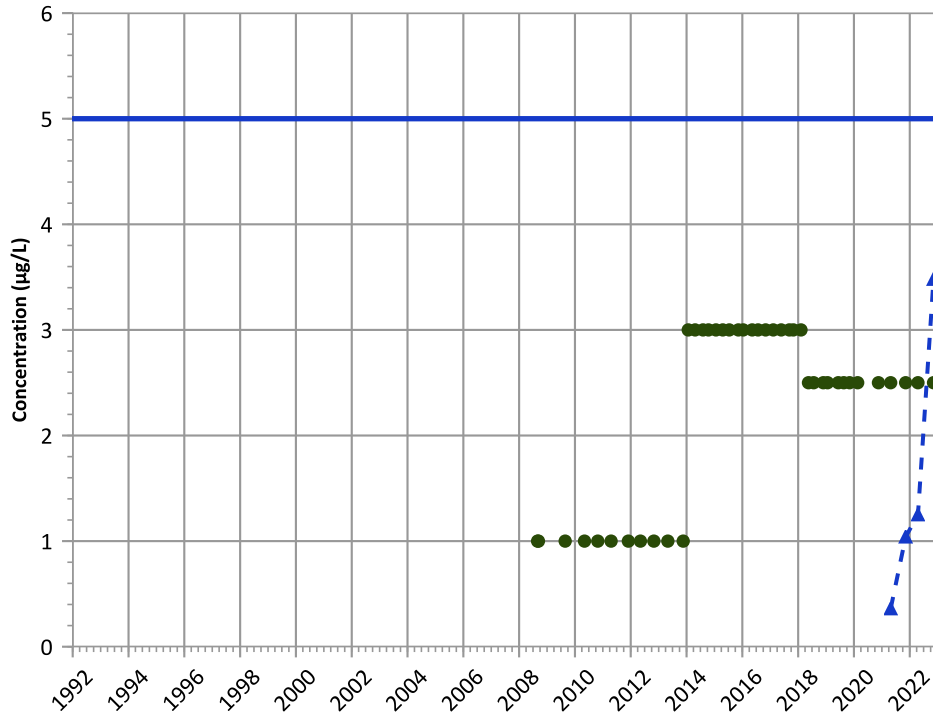
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

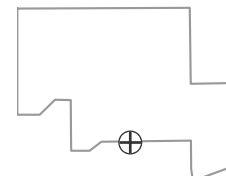
2020 - 2022 Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

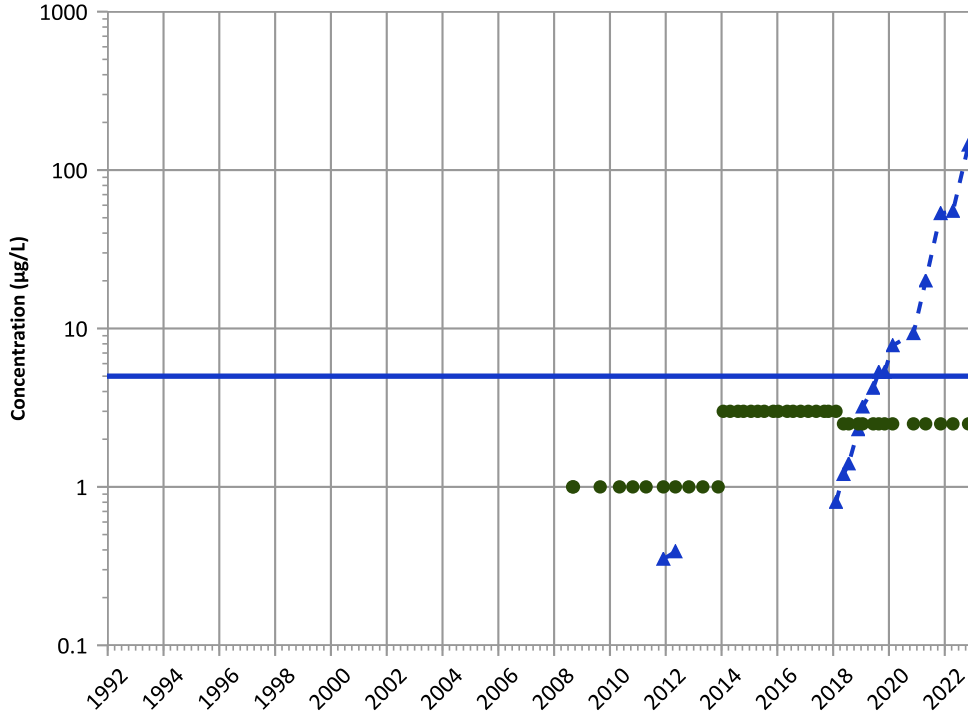
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

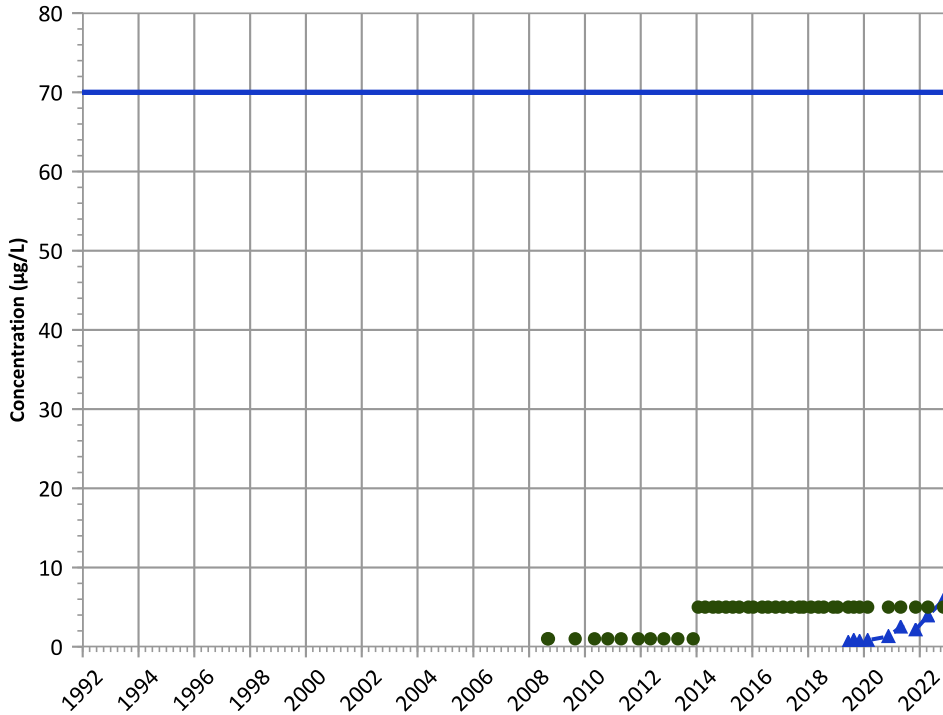


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

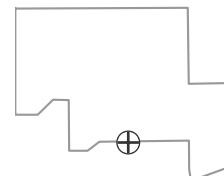
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

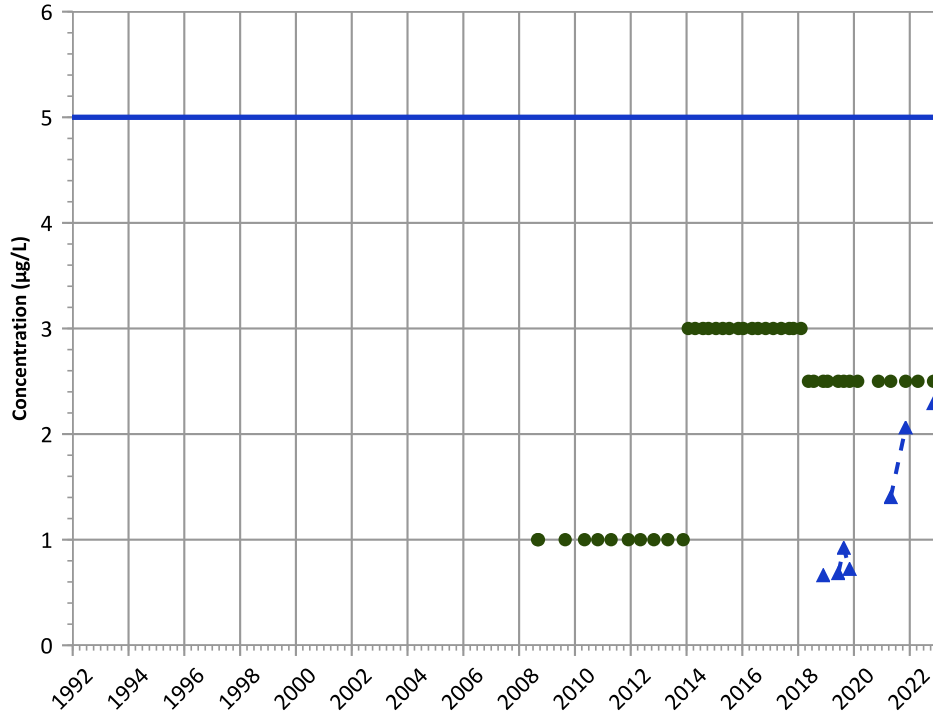
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

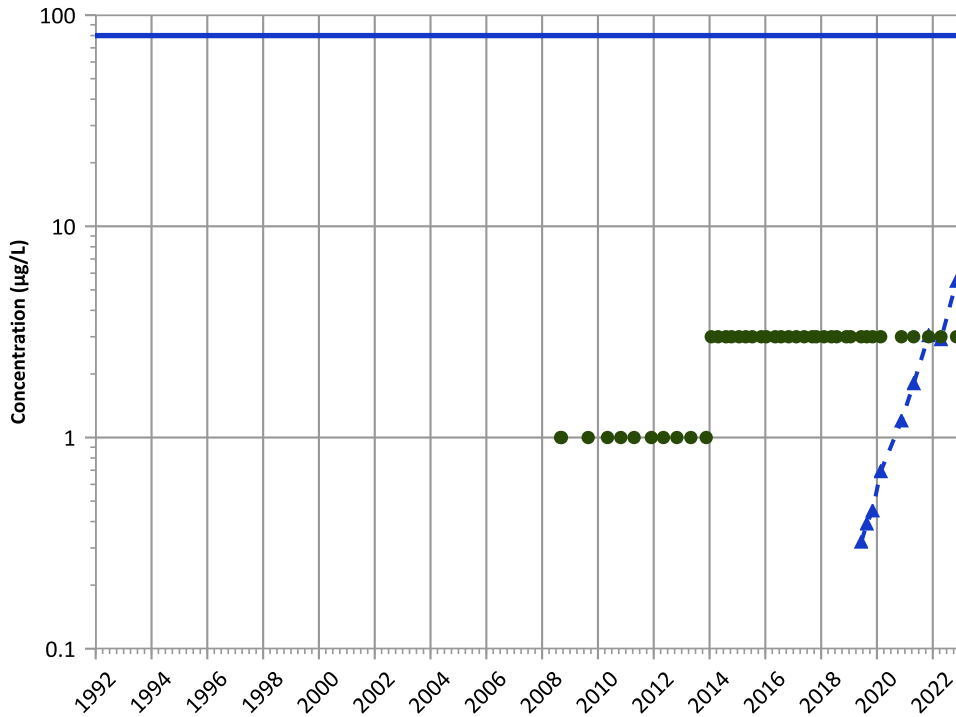


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**Chloroform Trend**



**Concentration Trend**

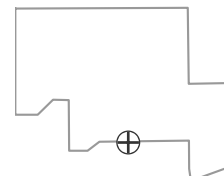
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

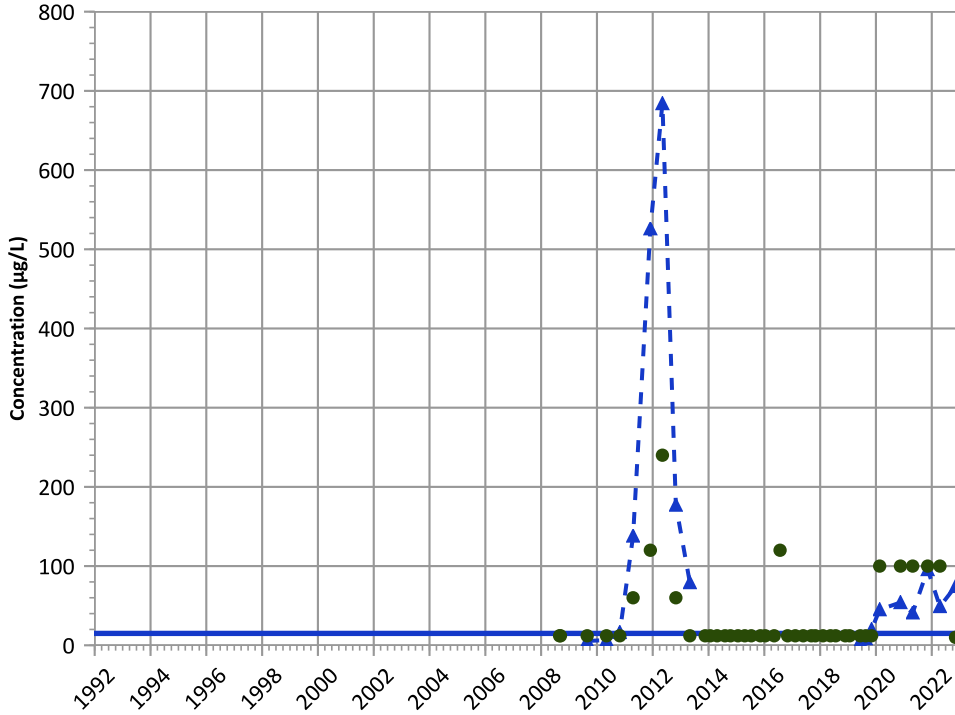
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

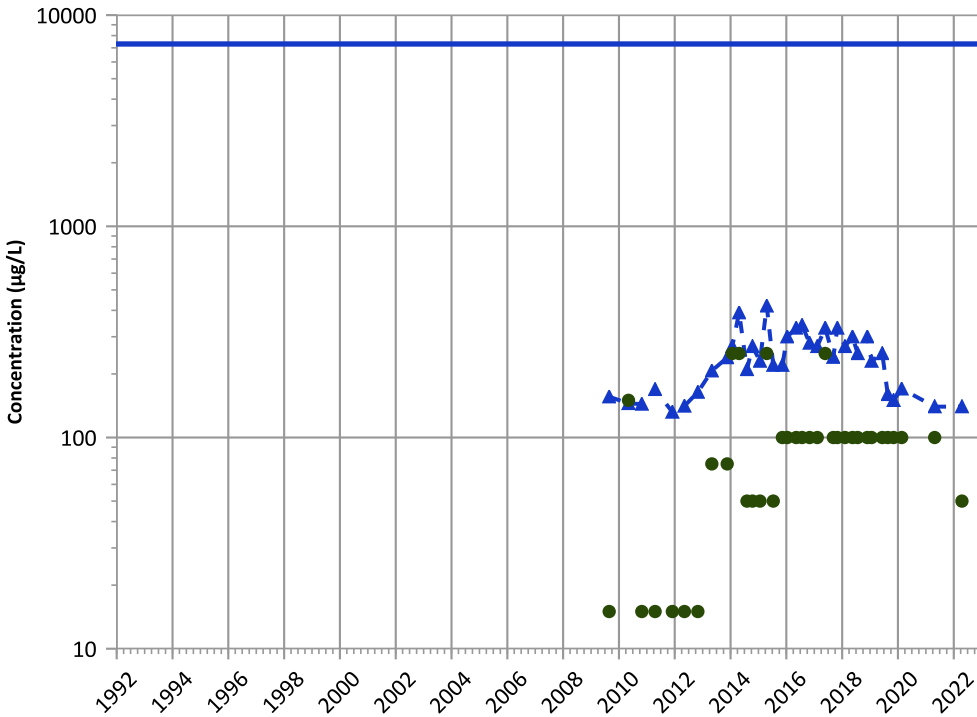


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

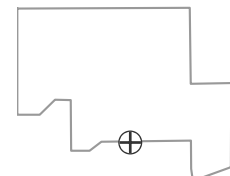
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

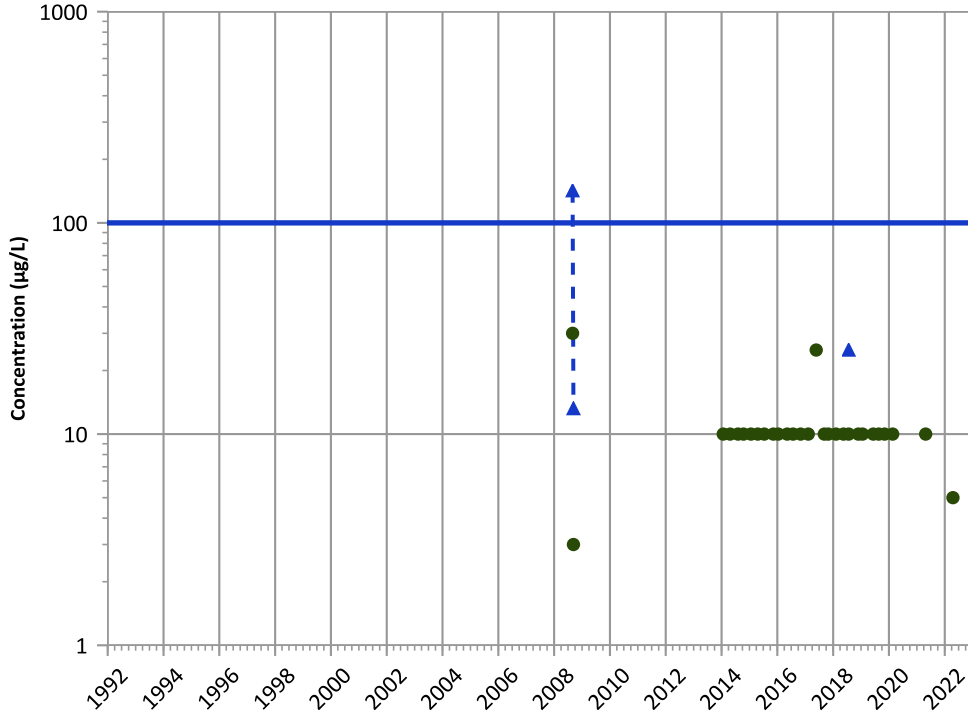
Well Location





PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

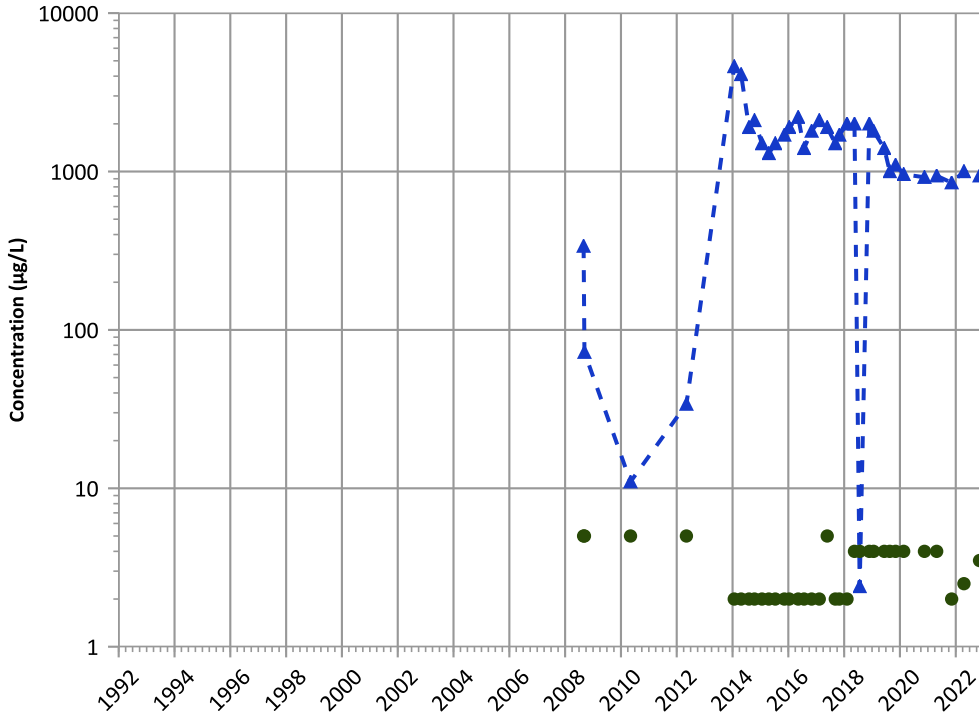


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

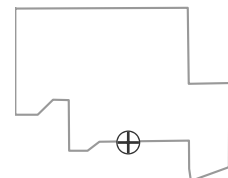
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

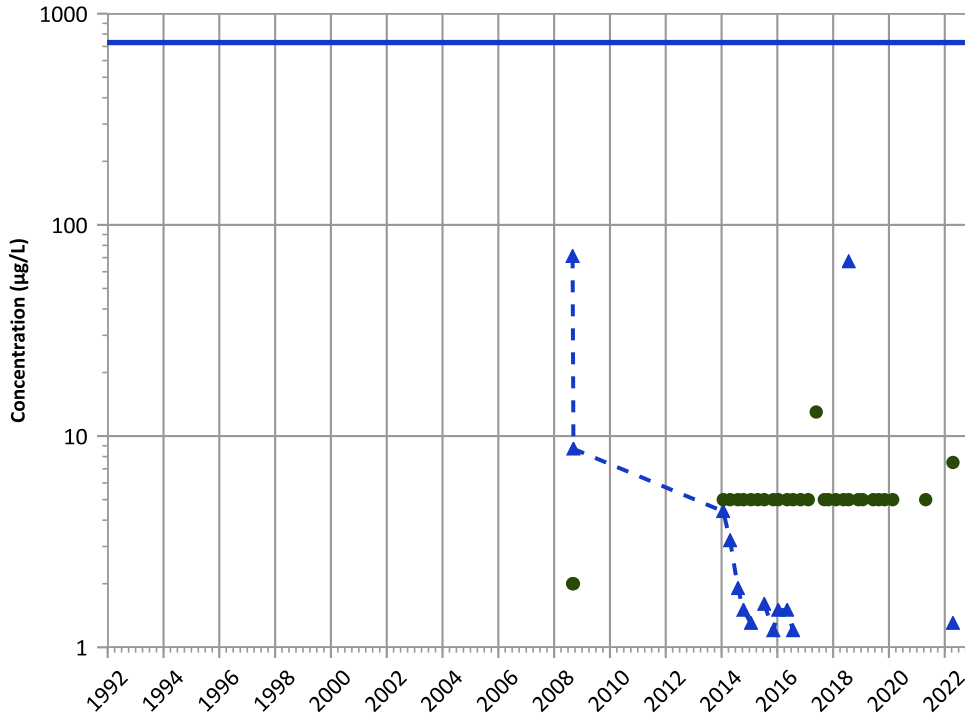
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

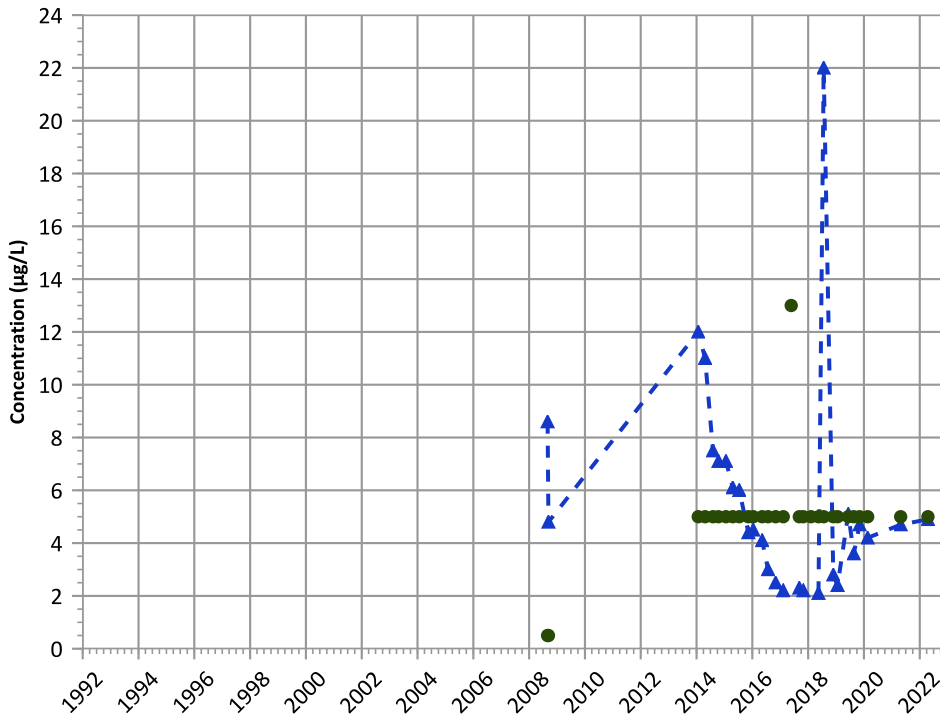


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

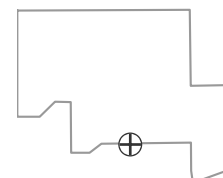
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

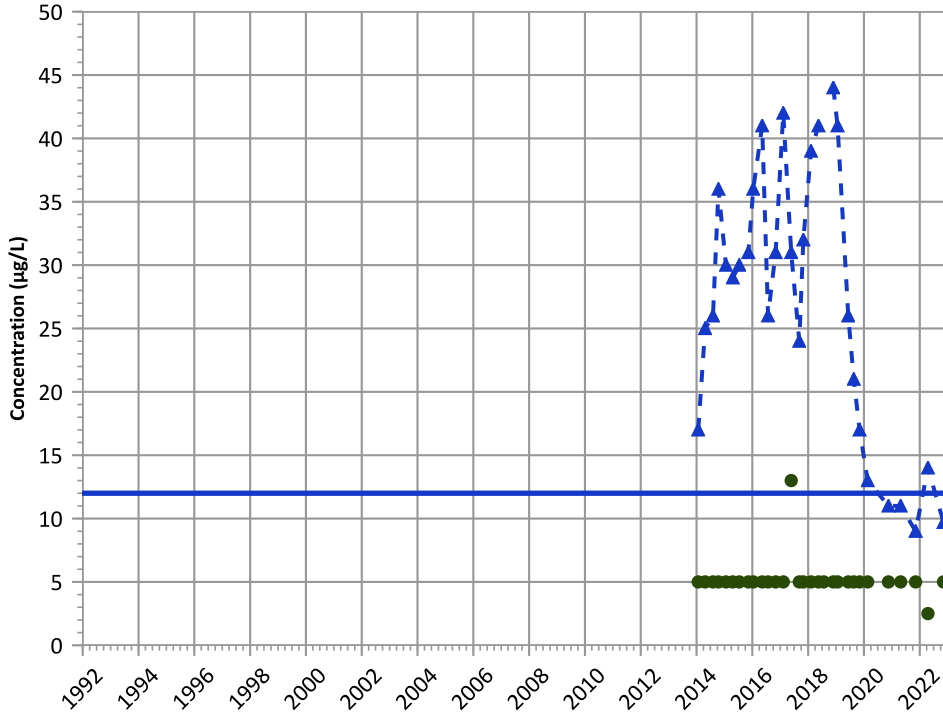
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

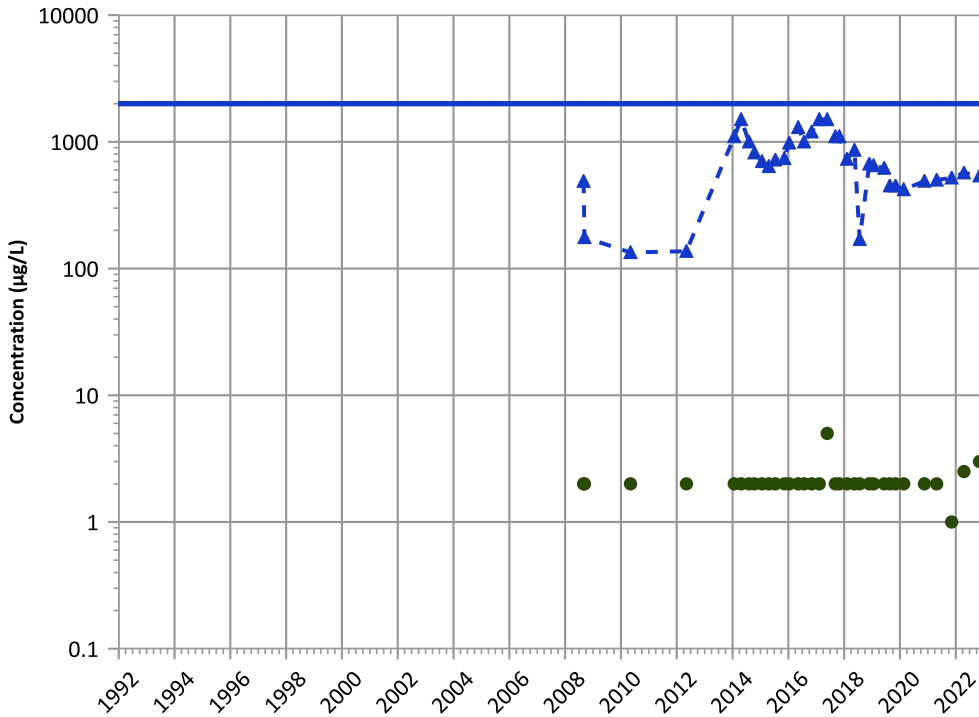


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Barium Trend



Concentration Trend

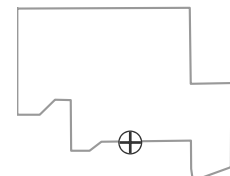
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

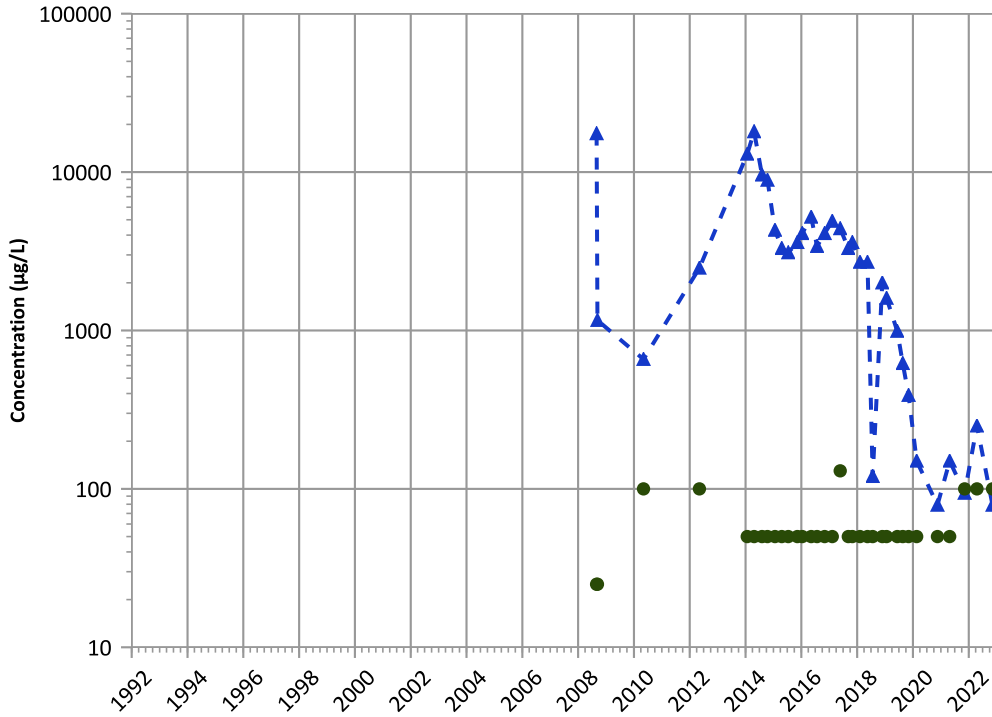
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

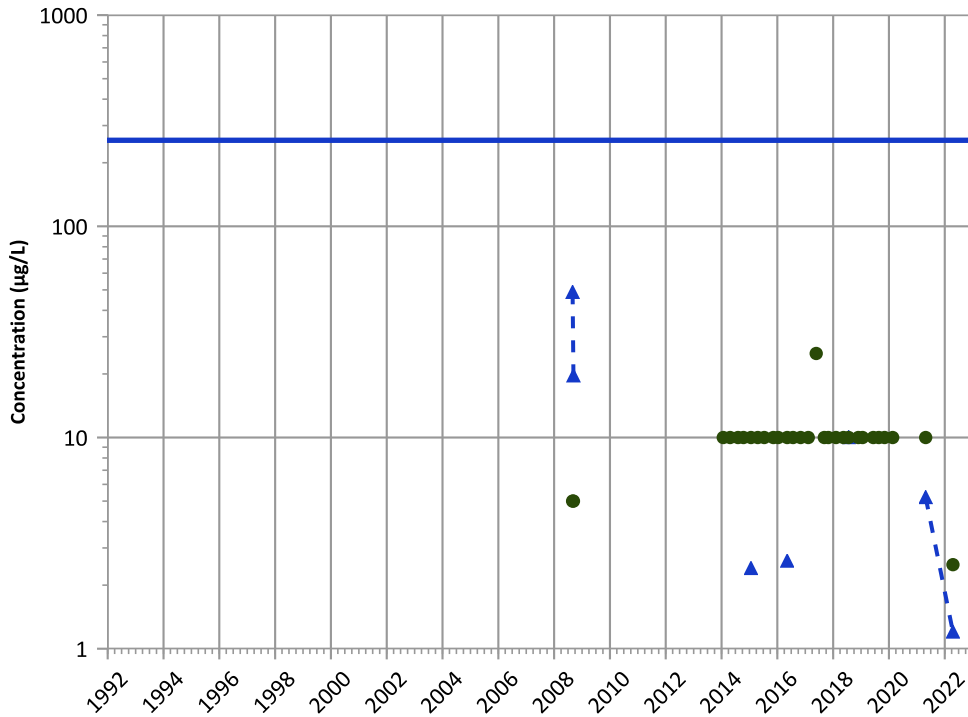


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Vanadium Trend



Concentration Trend

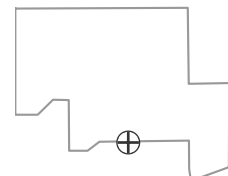
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

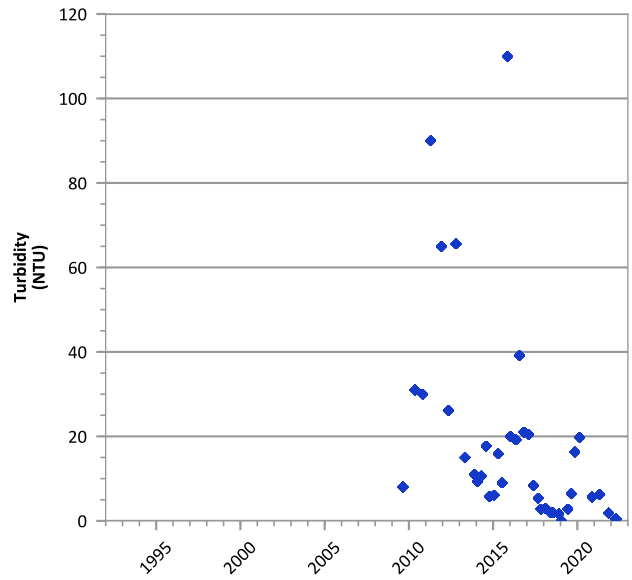
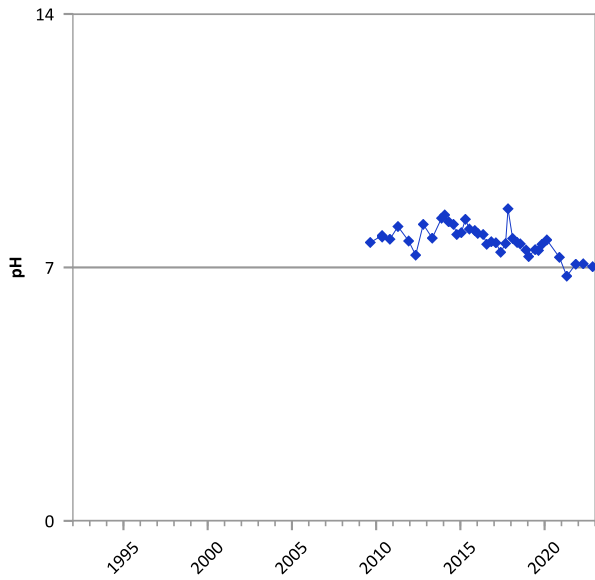
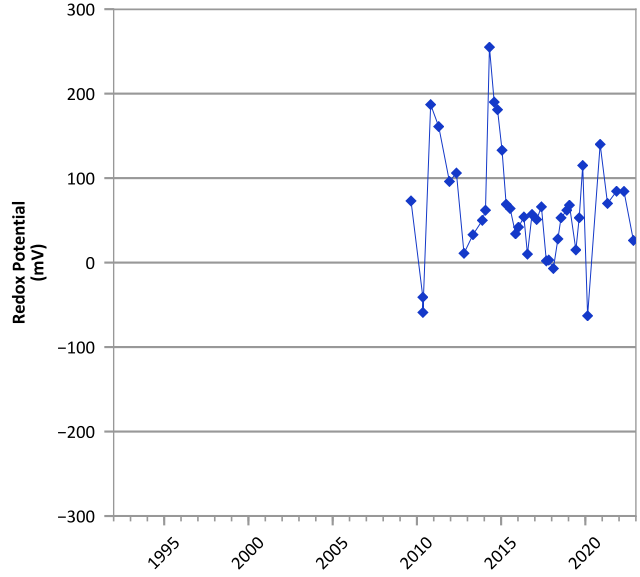
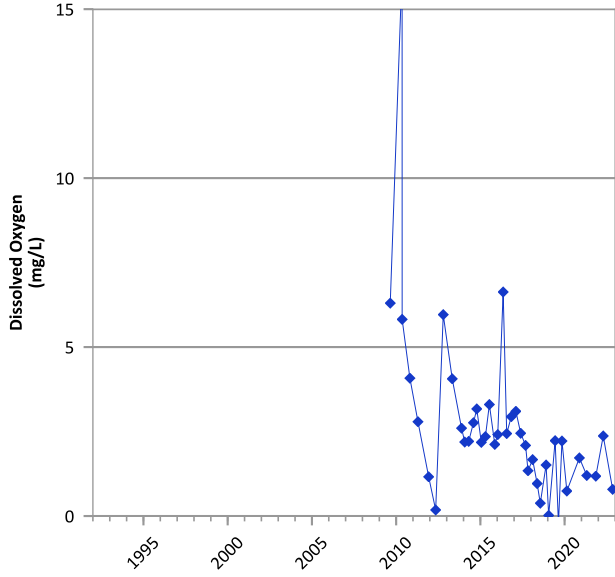
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

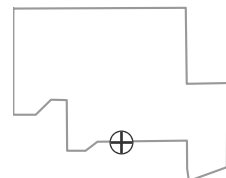


**PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



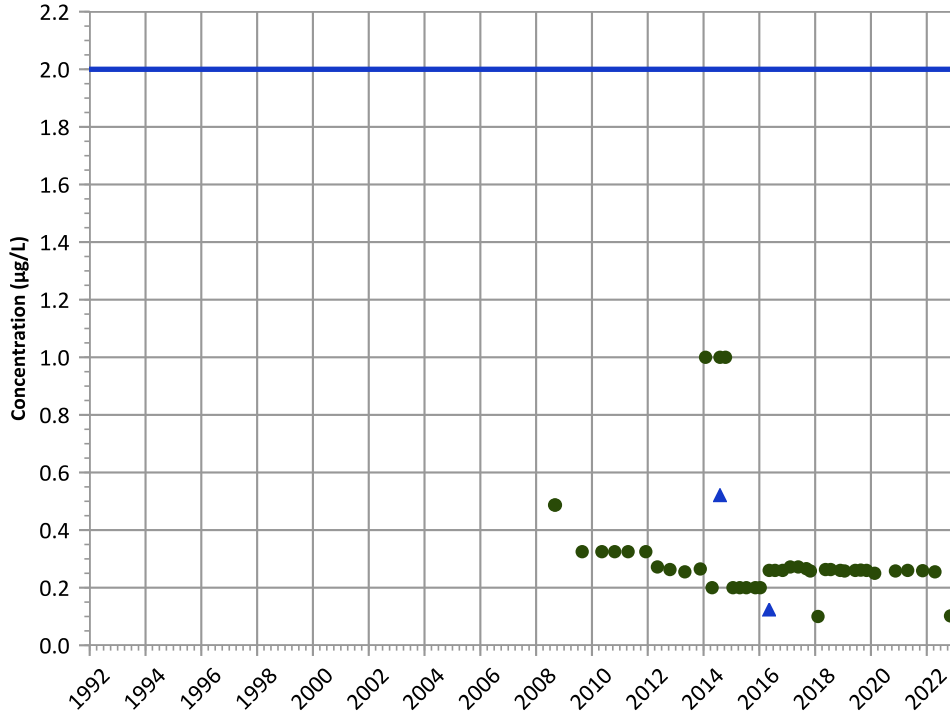
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/30/2008 to 11/08/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

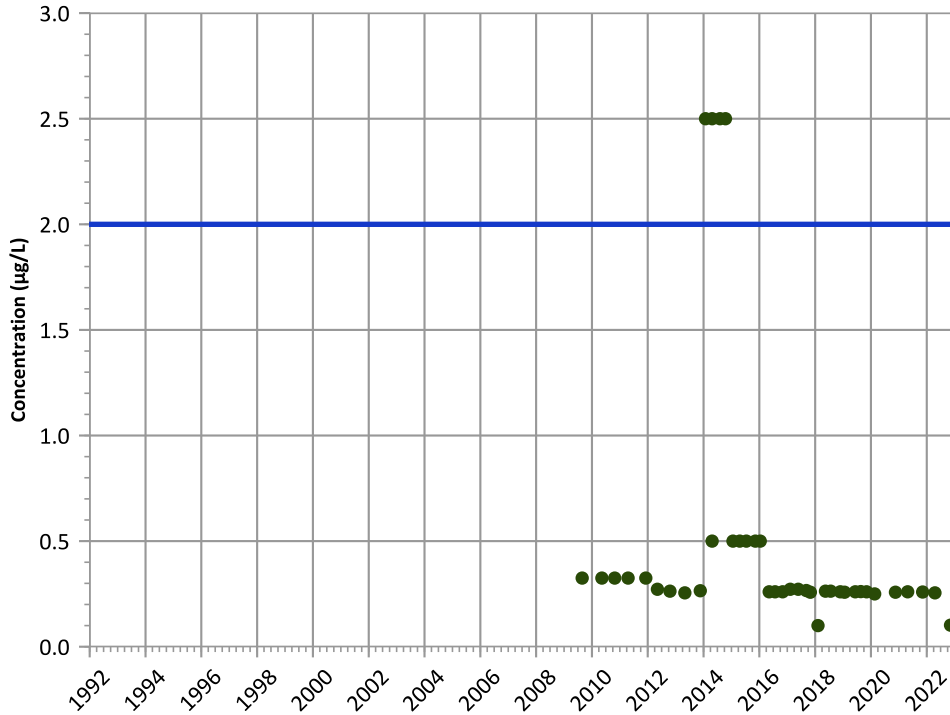


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

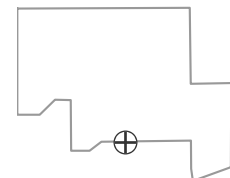
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

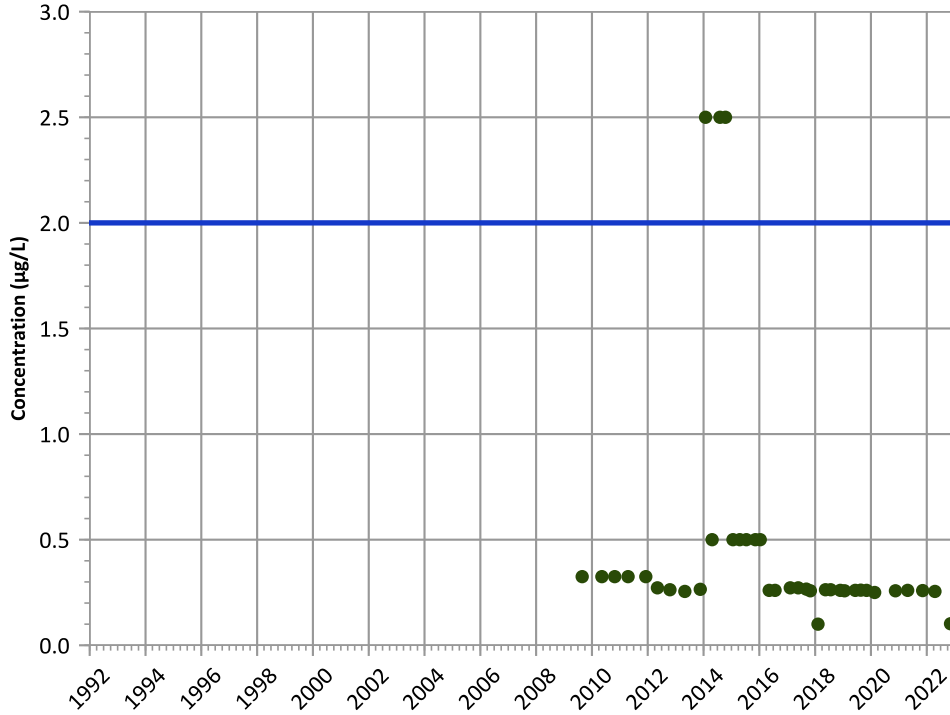
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

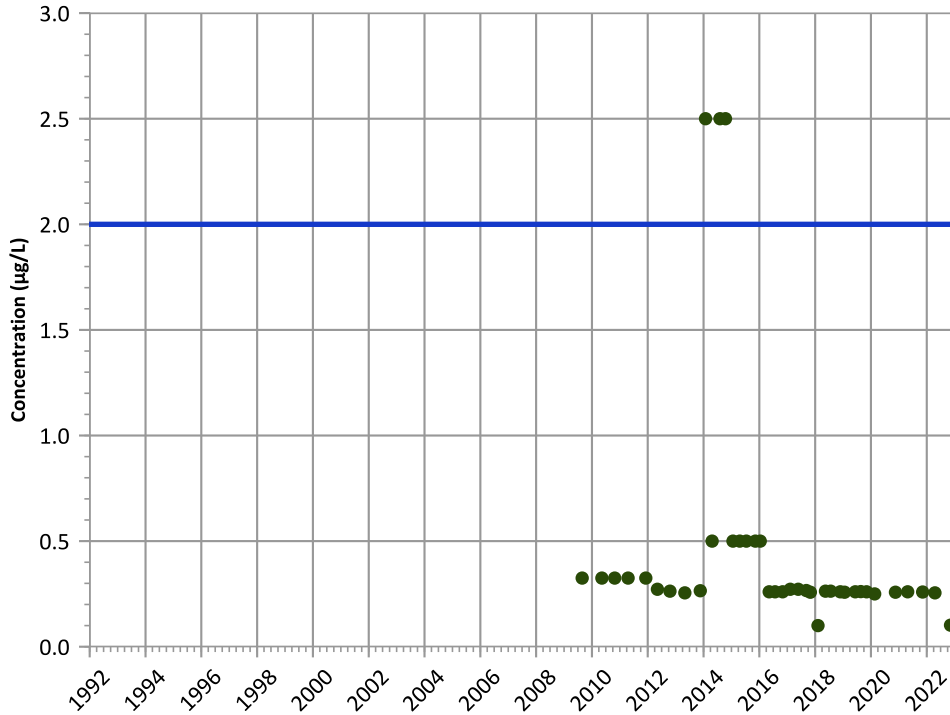
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

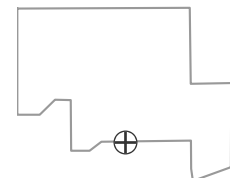
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

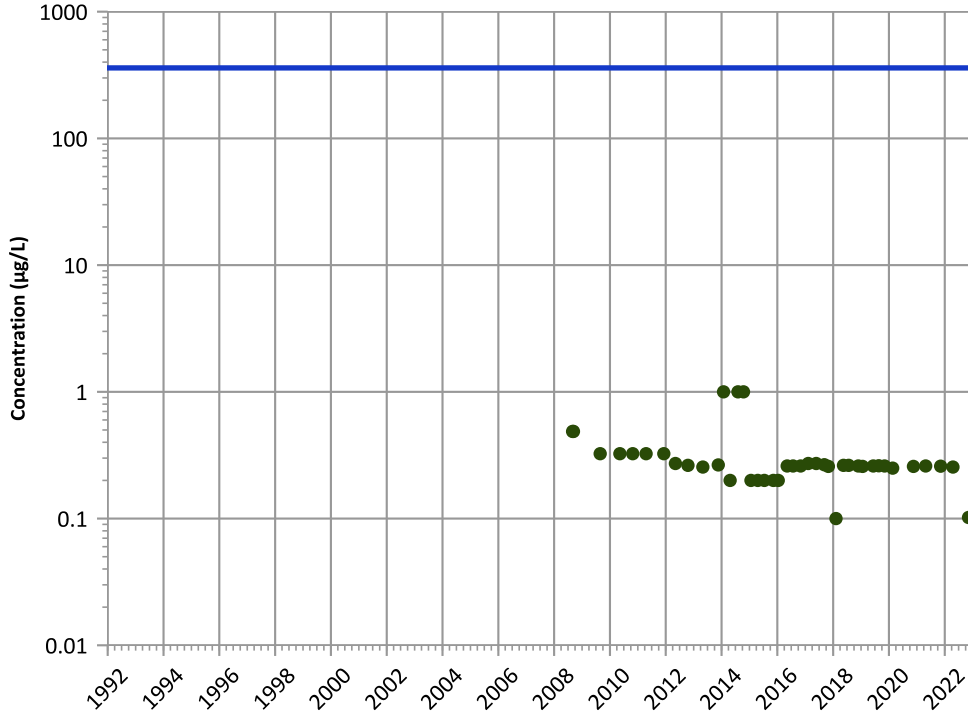
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

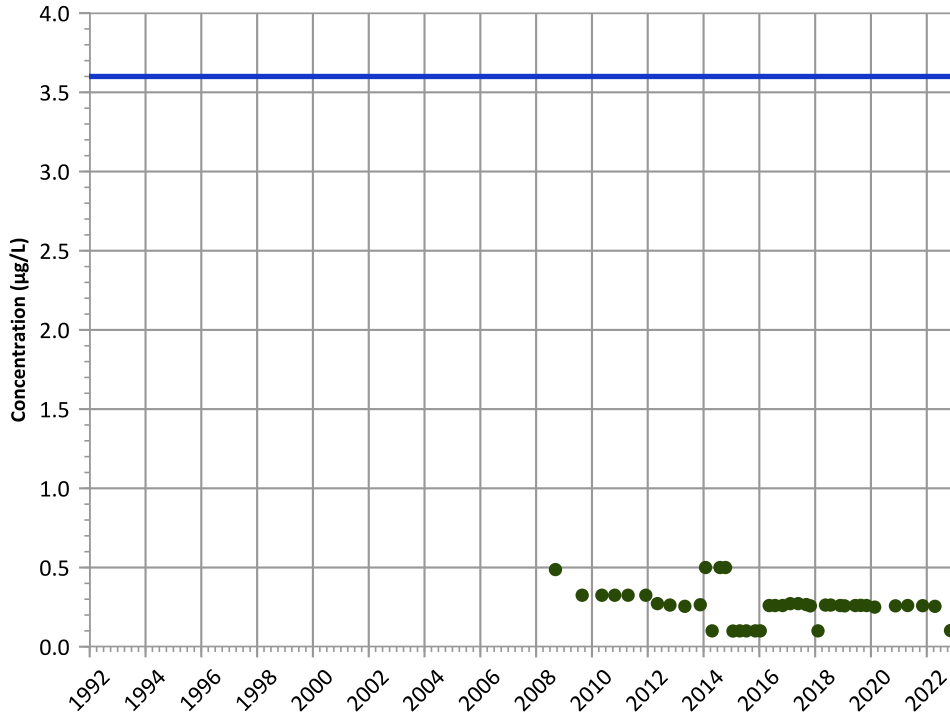
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

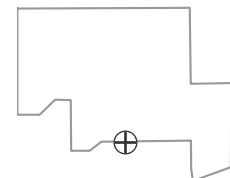
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

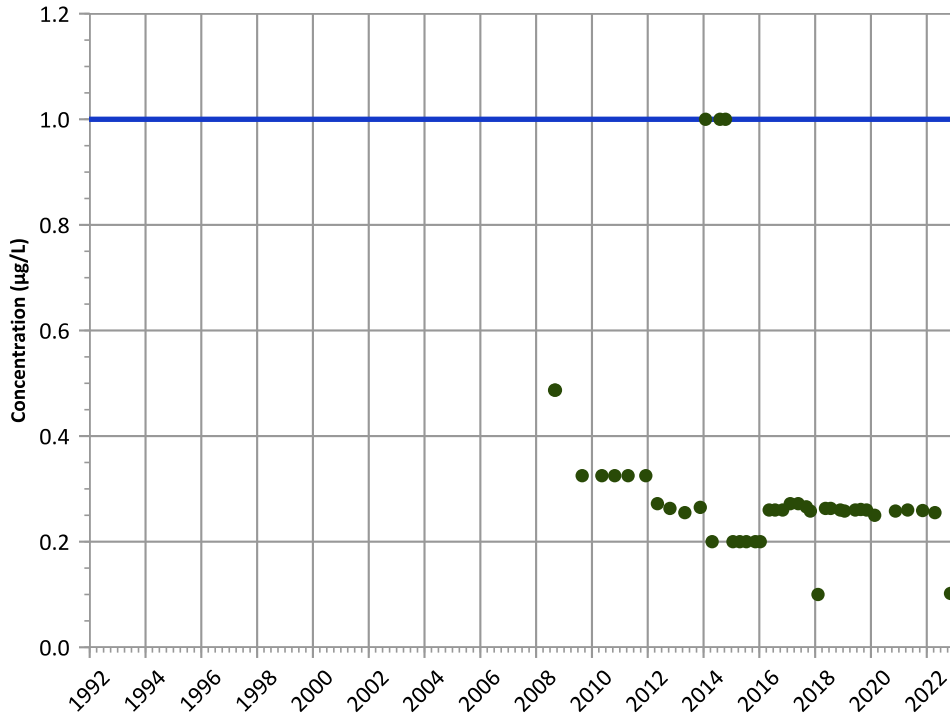
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

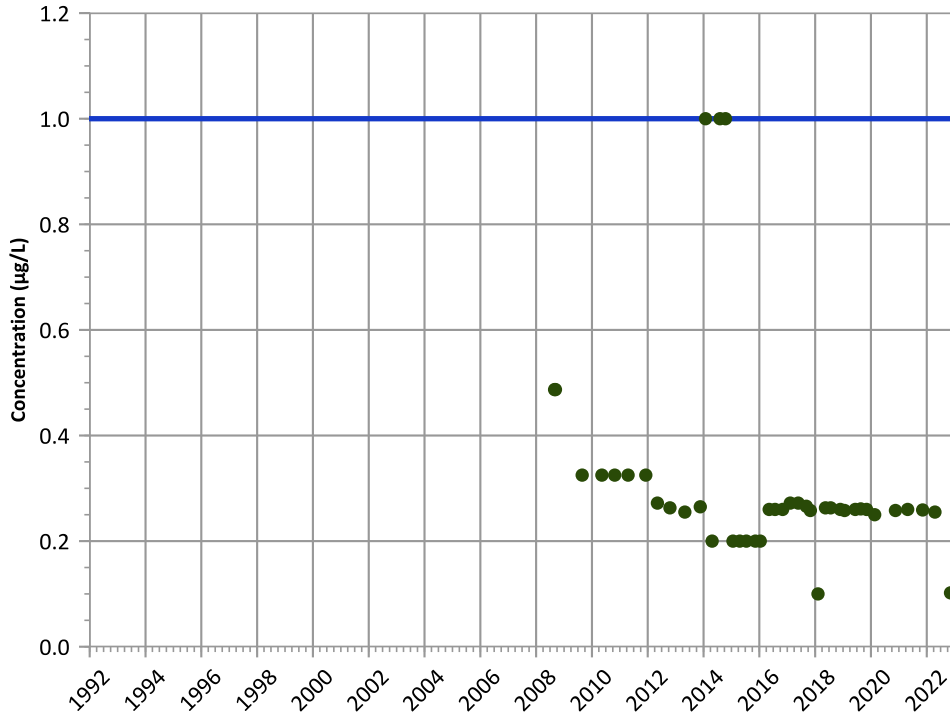
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

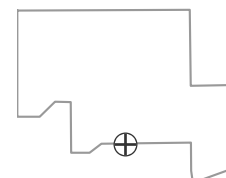
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Well Location**

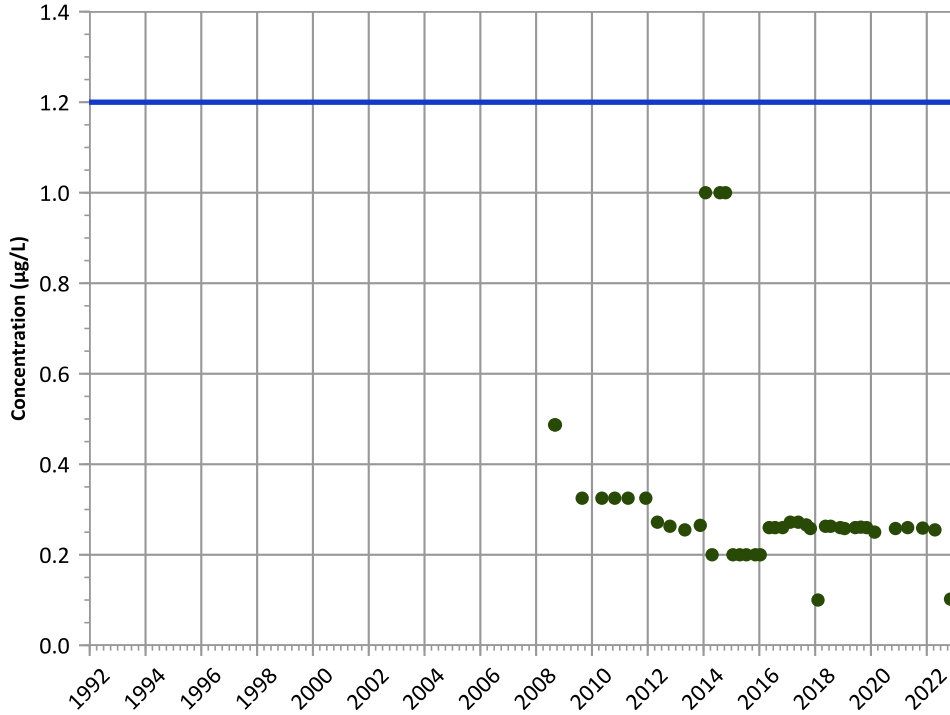


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

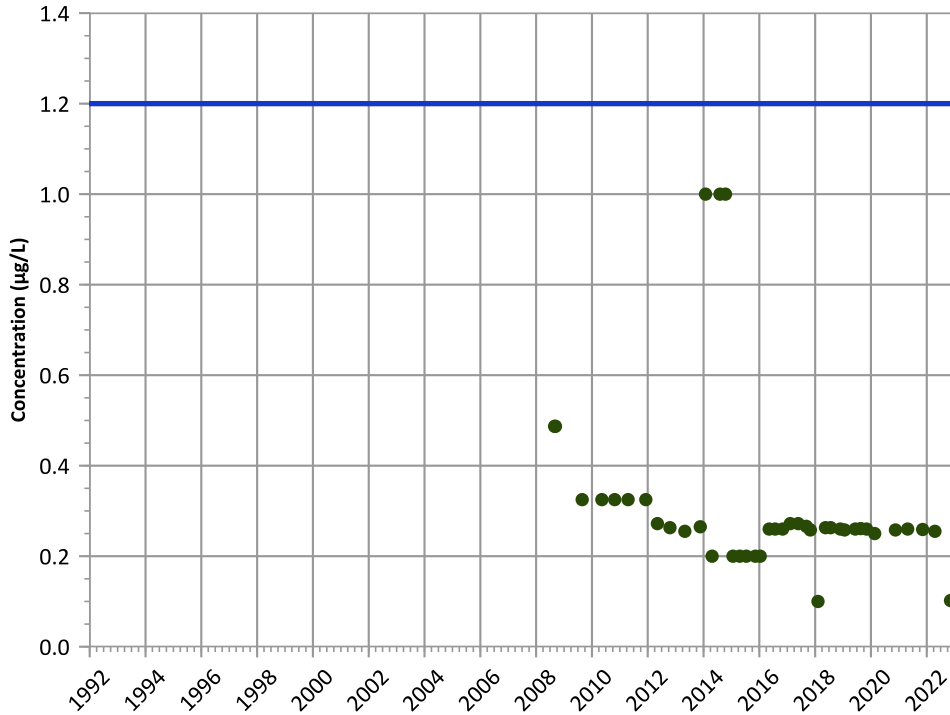
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

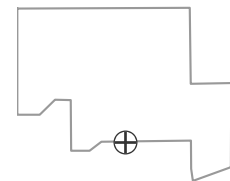
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

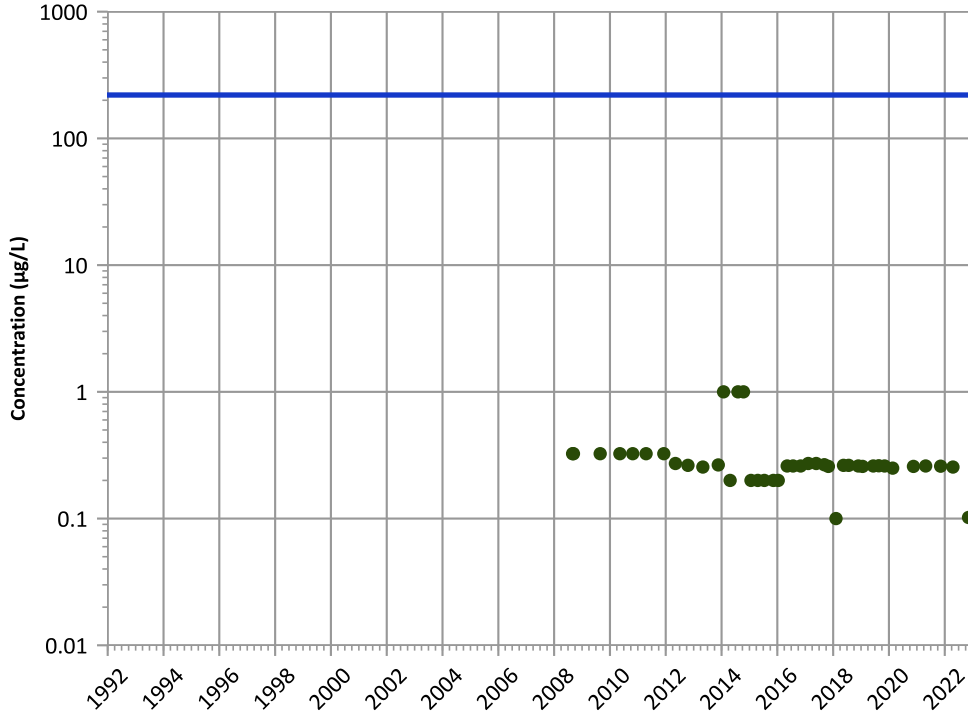


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

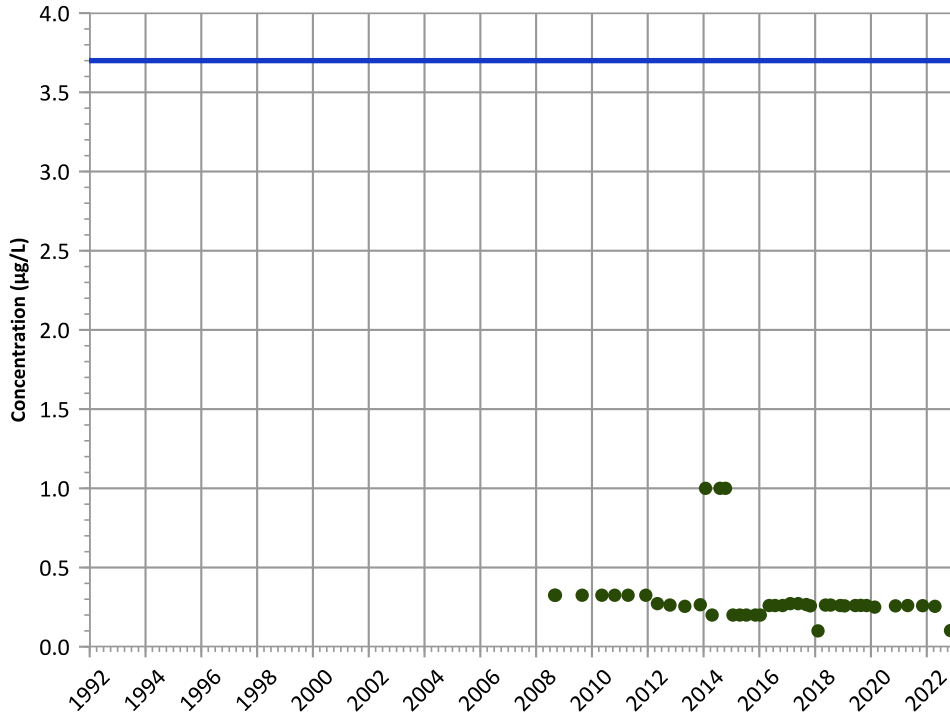
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

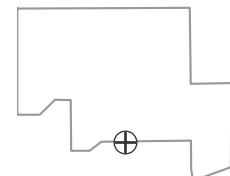
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

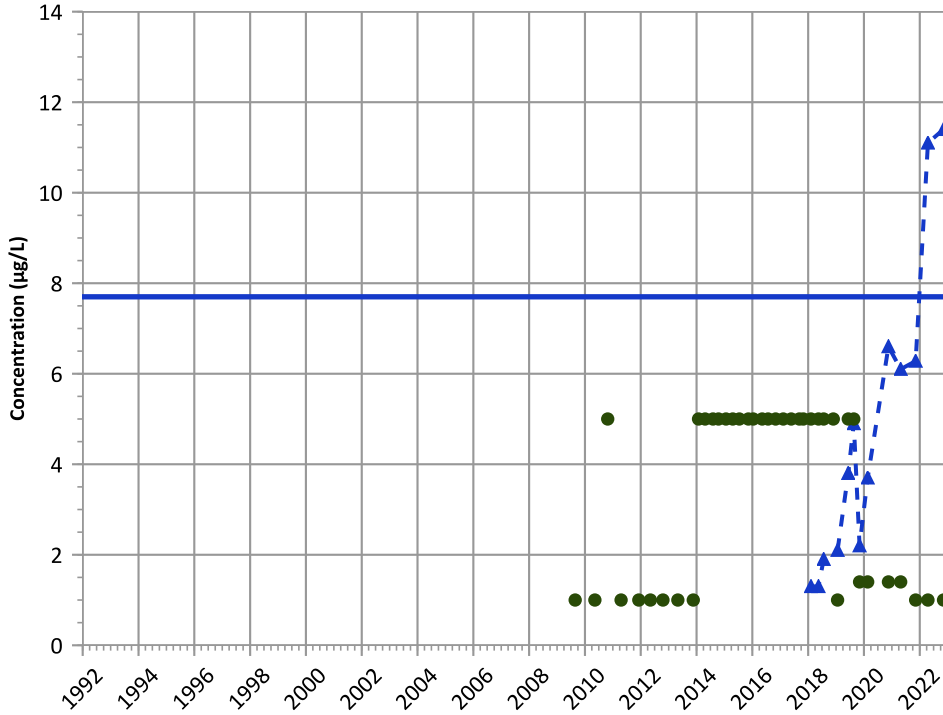
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

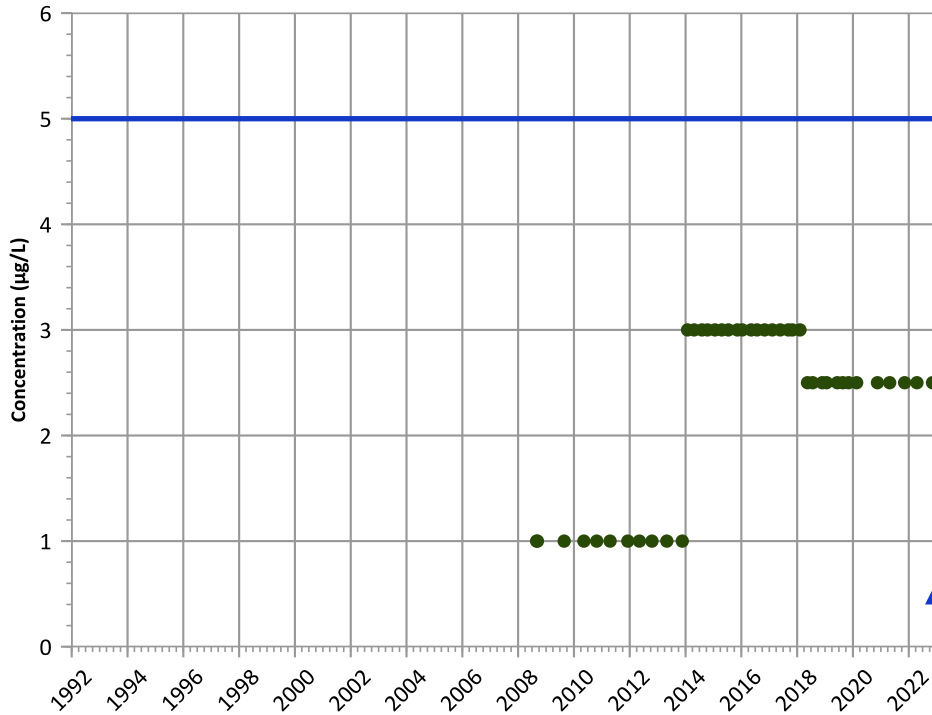
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

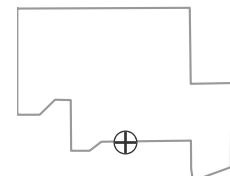
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

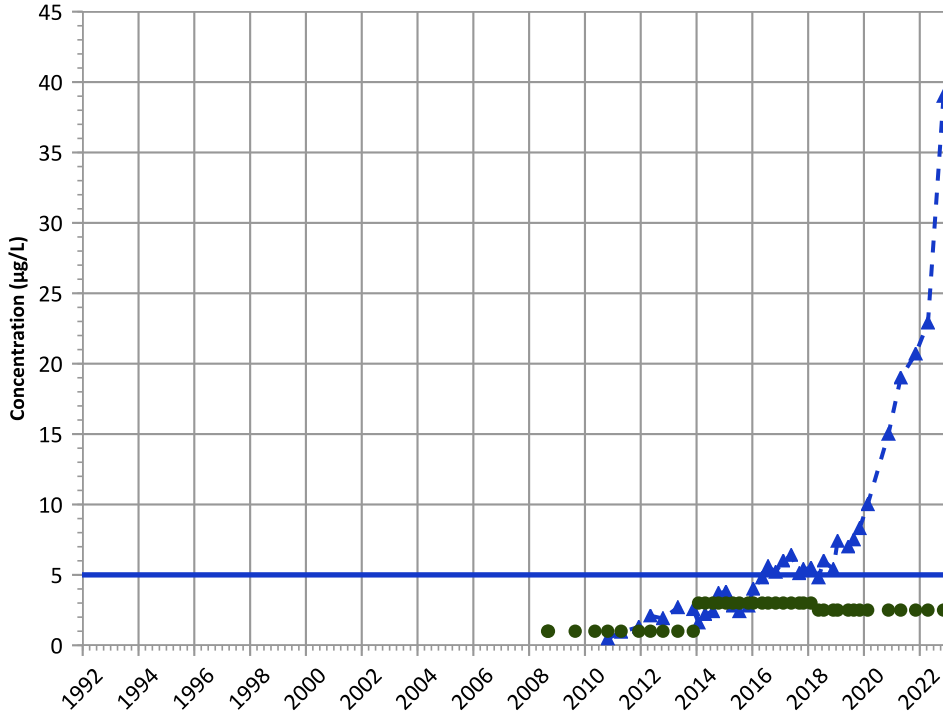
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

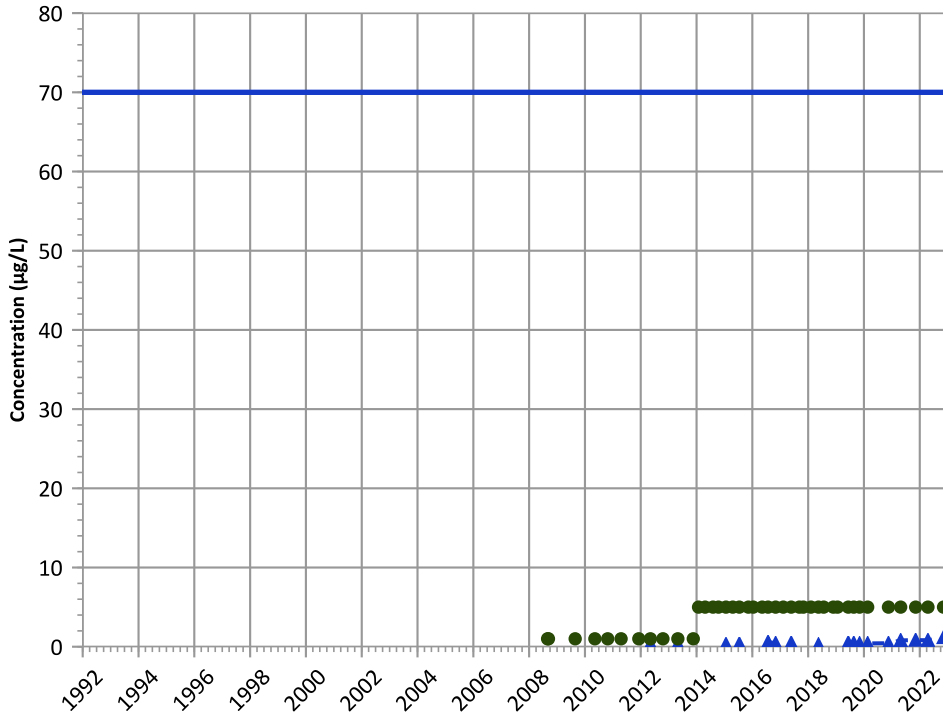
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

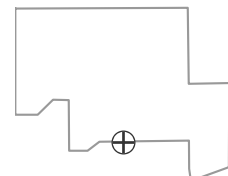
2020 - 2022 Data:

No Trend

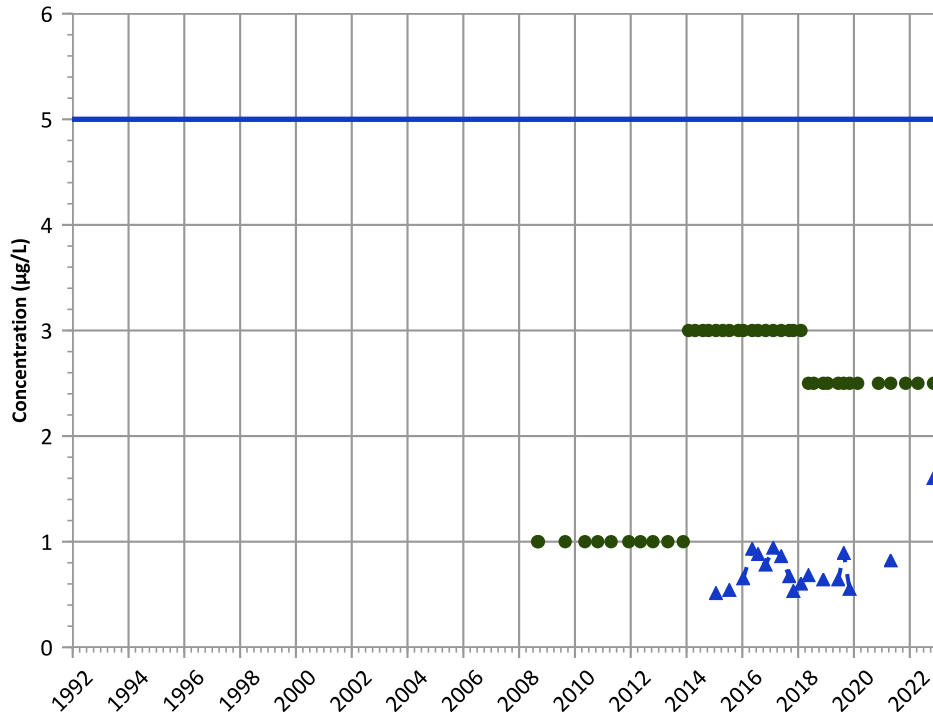
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

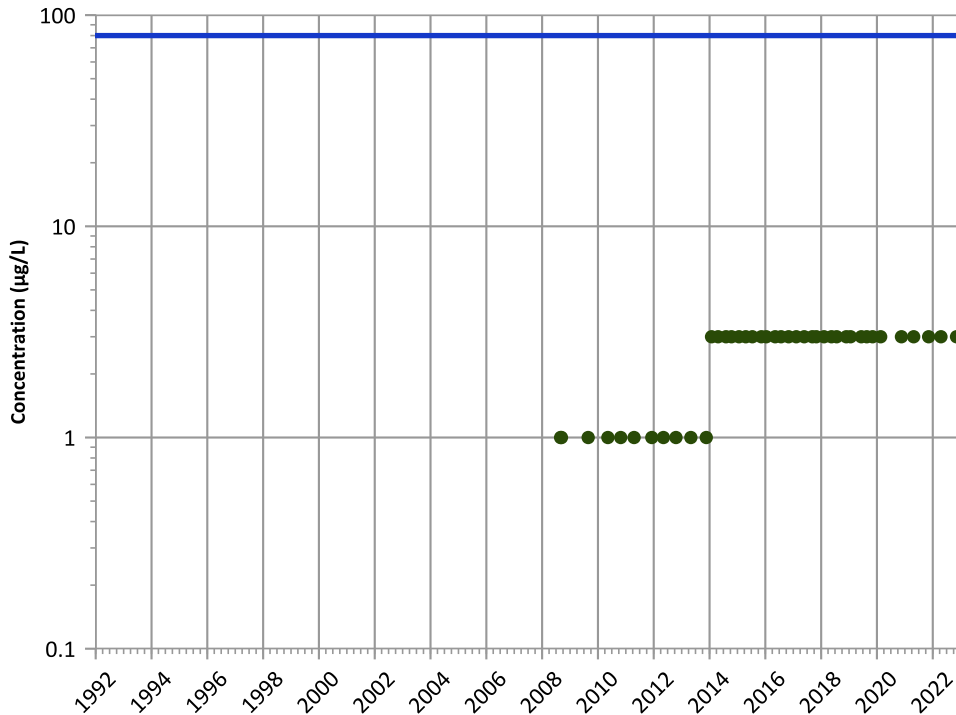


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**Chloroform Trend**



**Concentration Trend**

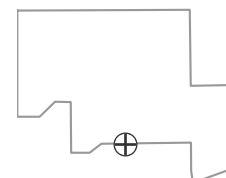
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

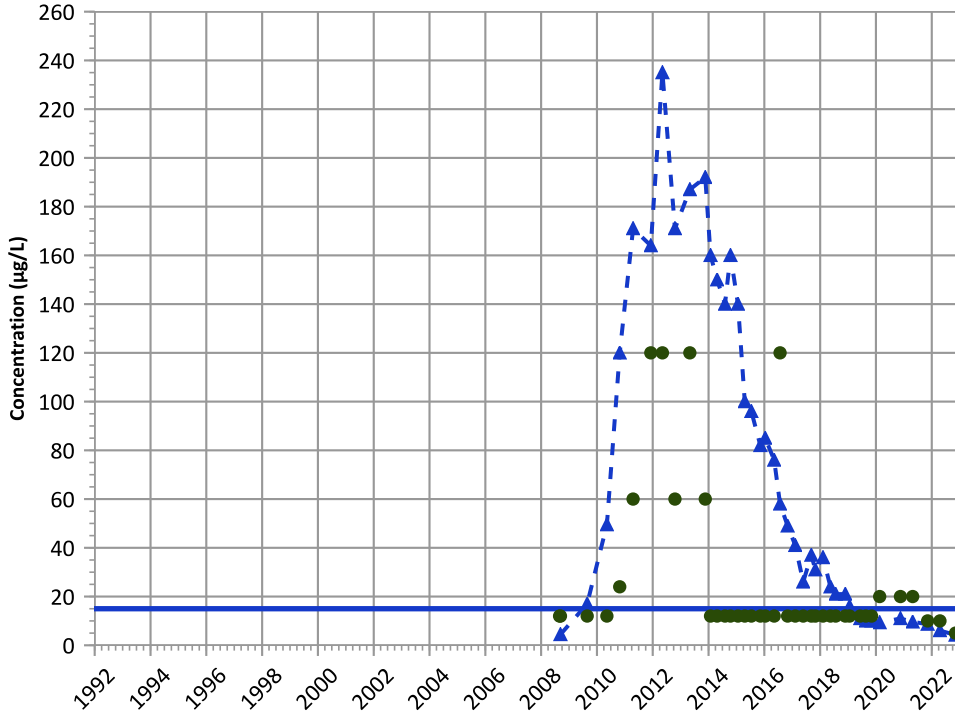
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**

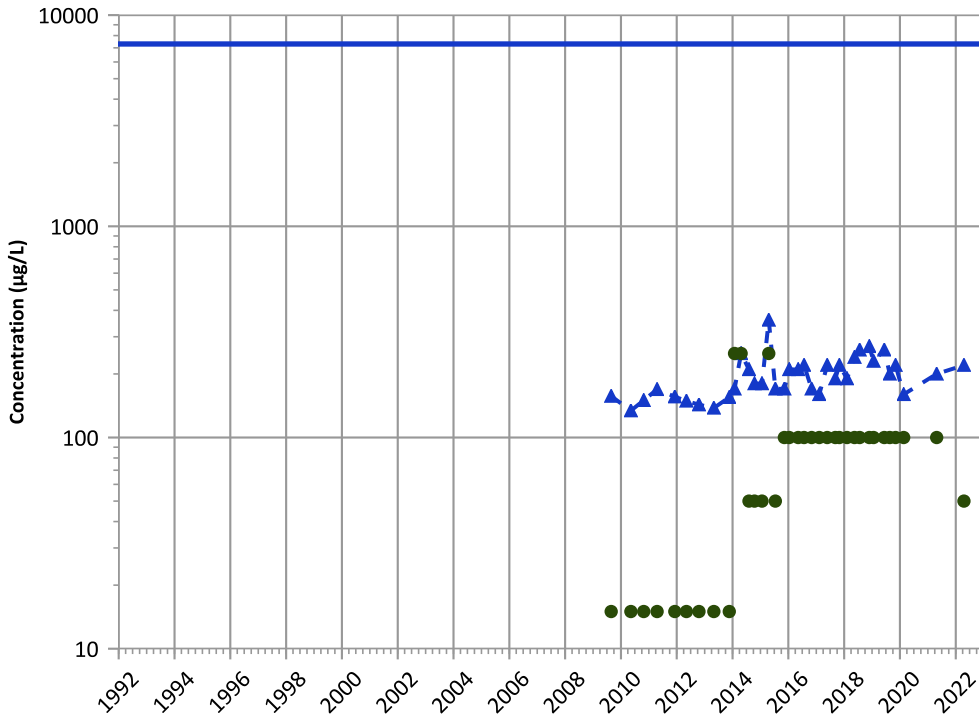


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

**Boron Trend**



**Concentration Trend**

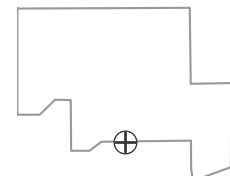
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

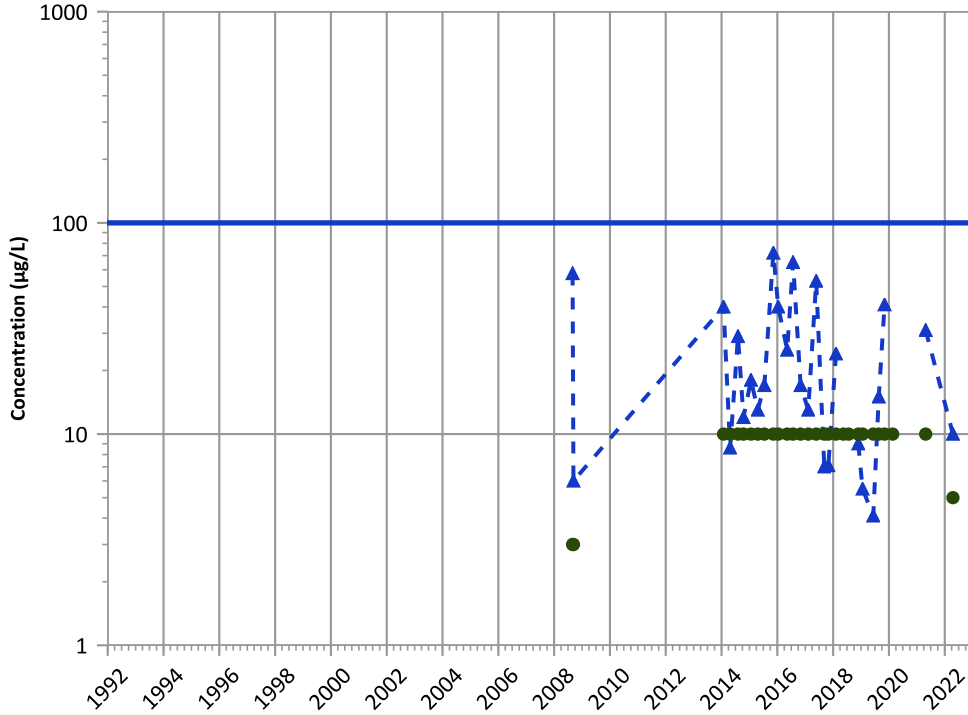
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

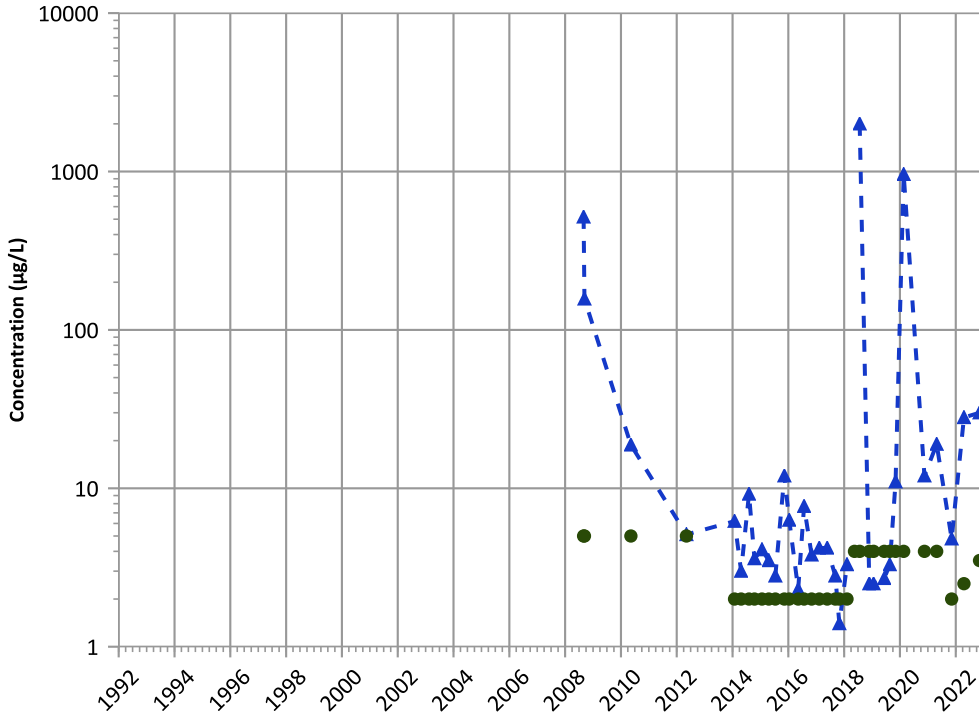


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Manganese Trend



Concentration Trend

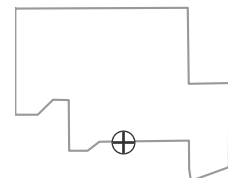
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

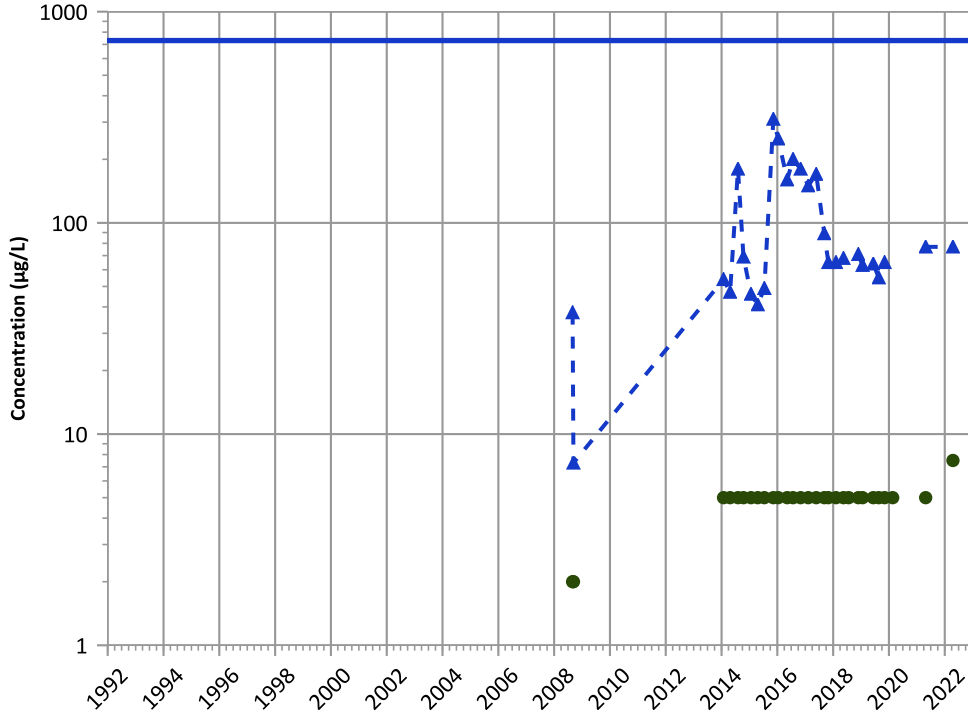
Well Location





PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

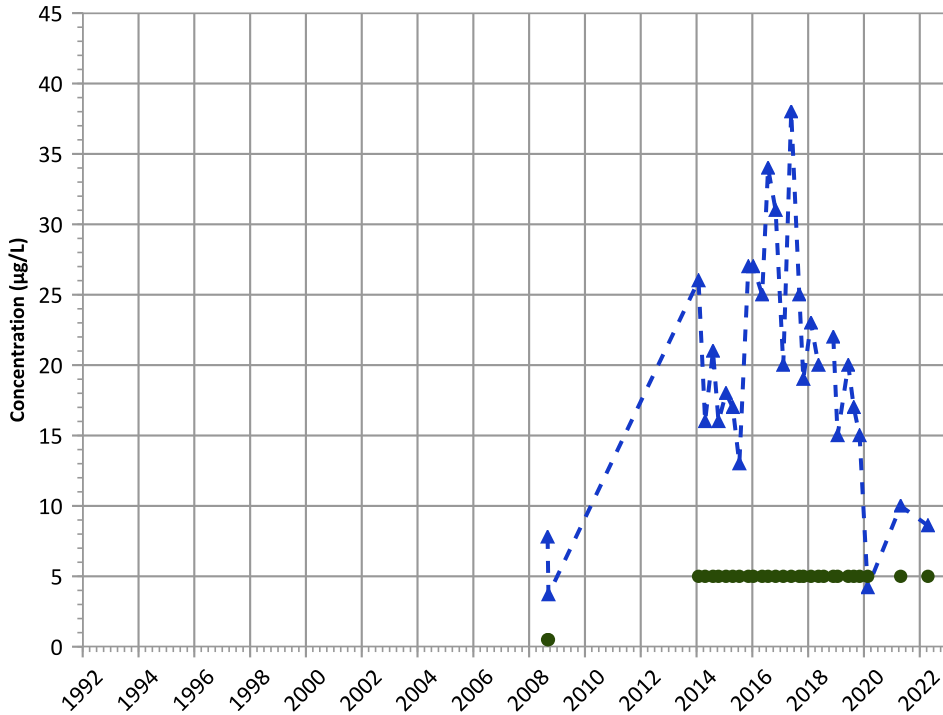


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Increasing

Molybdenum Trend

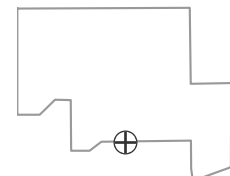


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

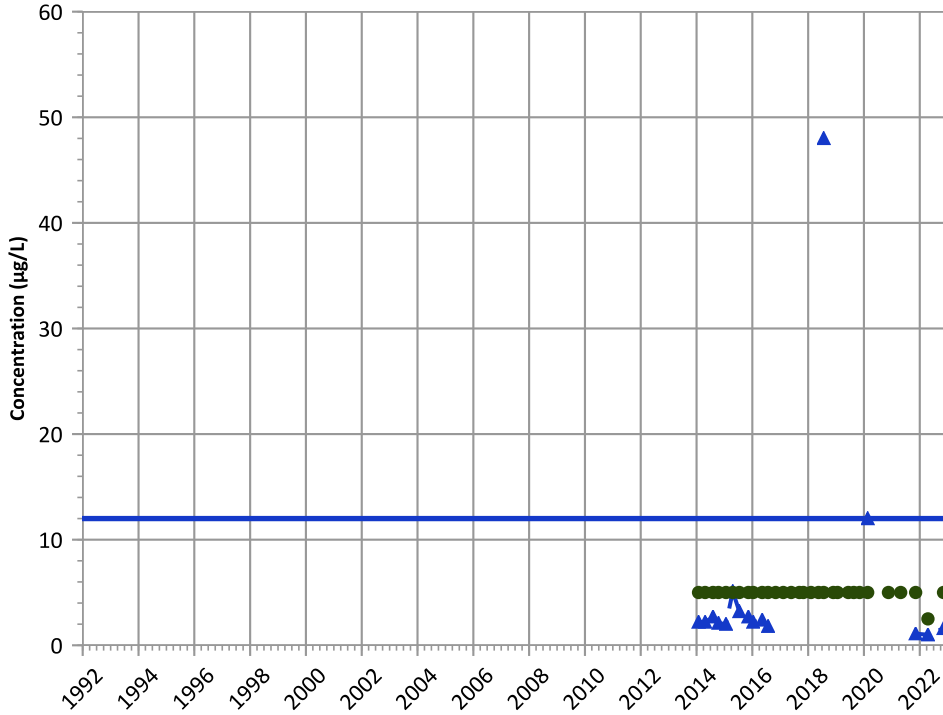


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

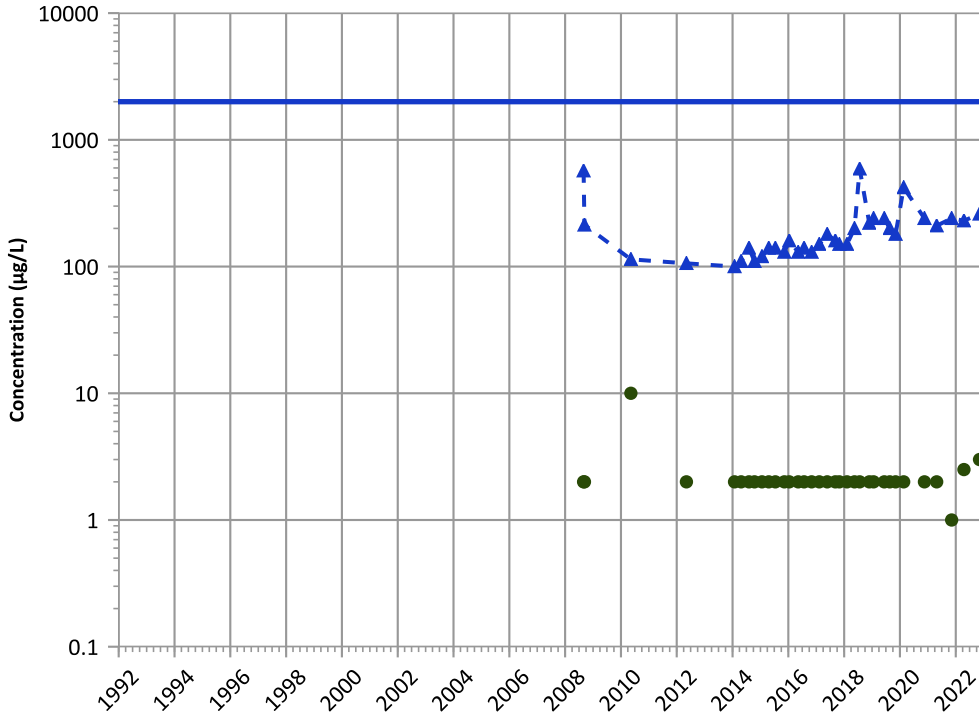


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Barium Trend



Concentration Trend

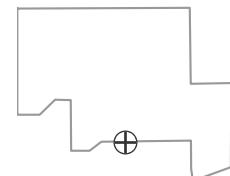
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

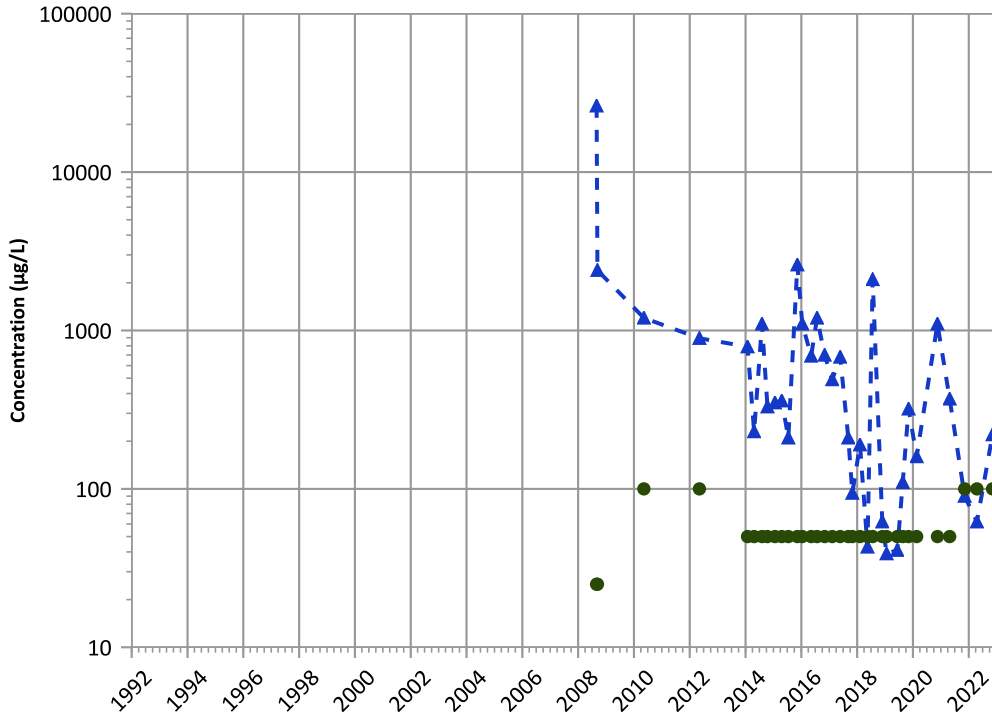
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

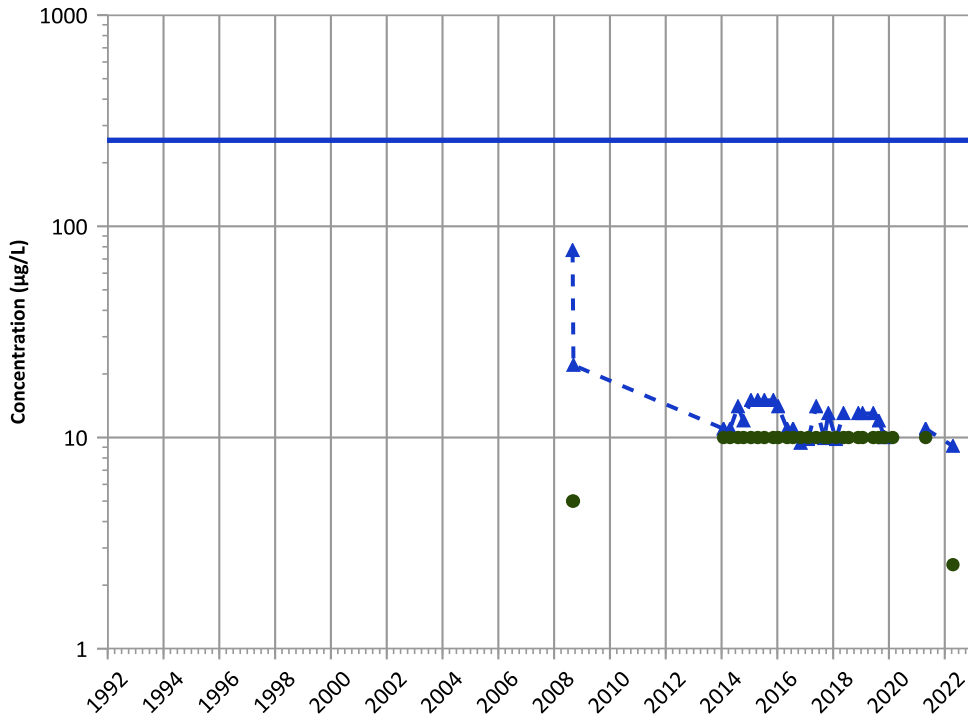
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

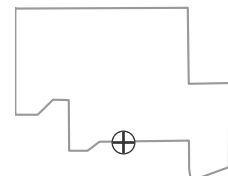
2020 - 2022 Data:

Stable

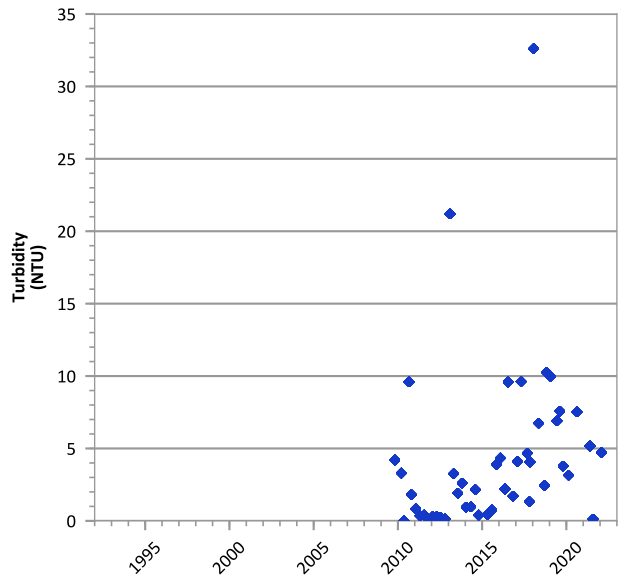
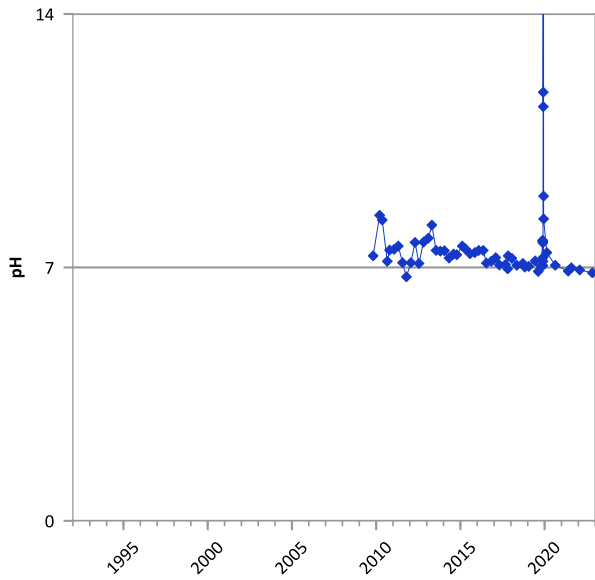
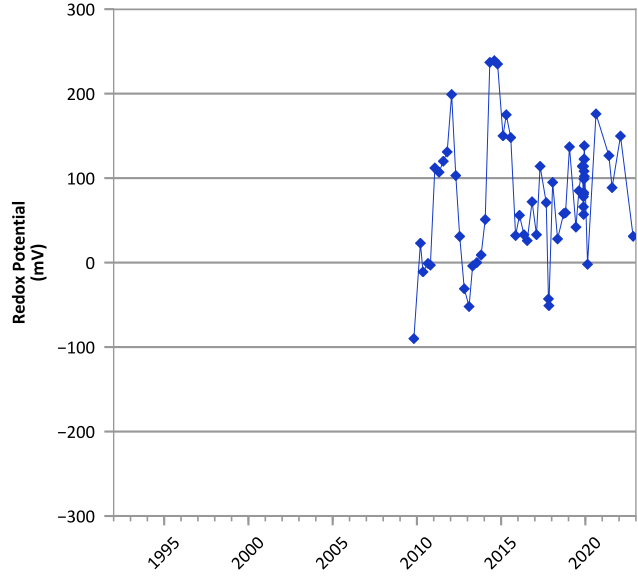
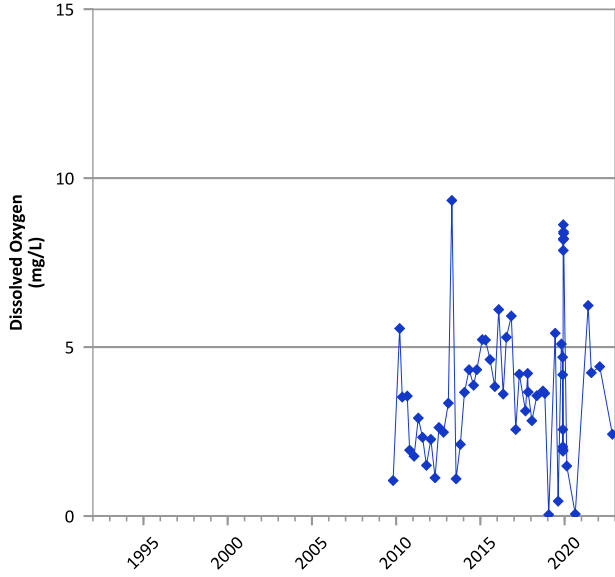
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/30/2008 to 11/08/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

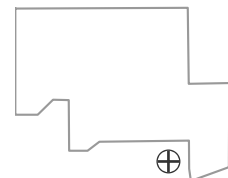


**PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



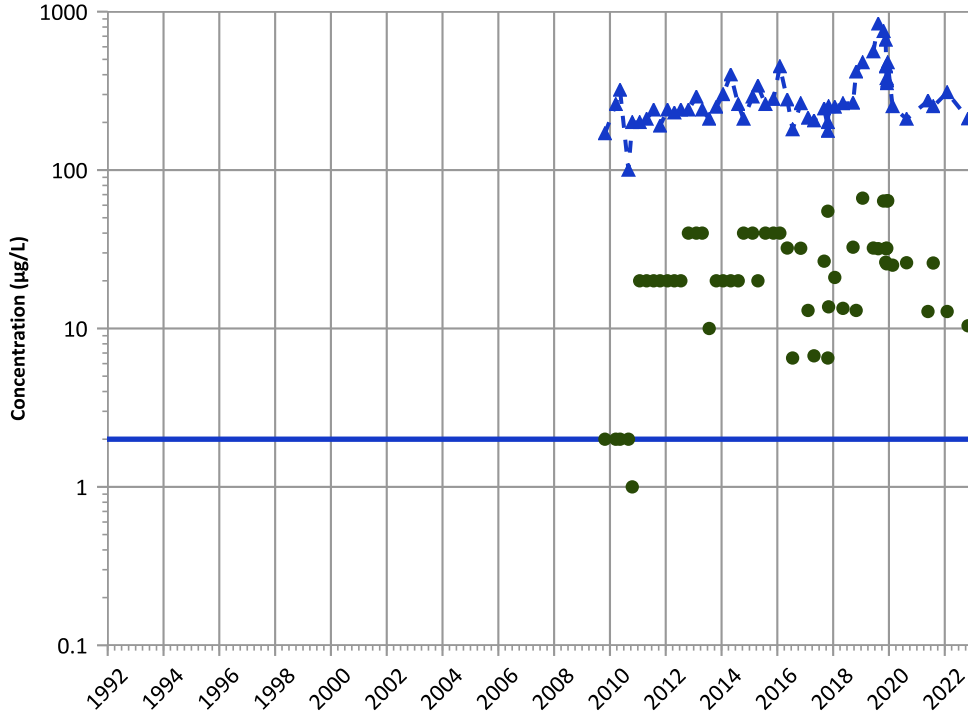
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/27/2009 to 11/02/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

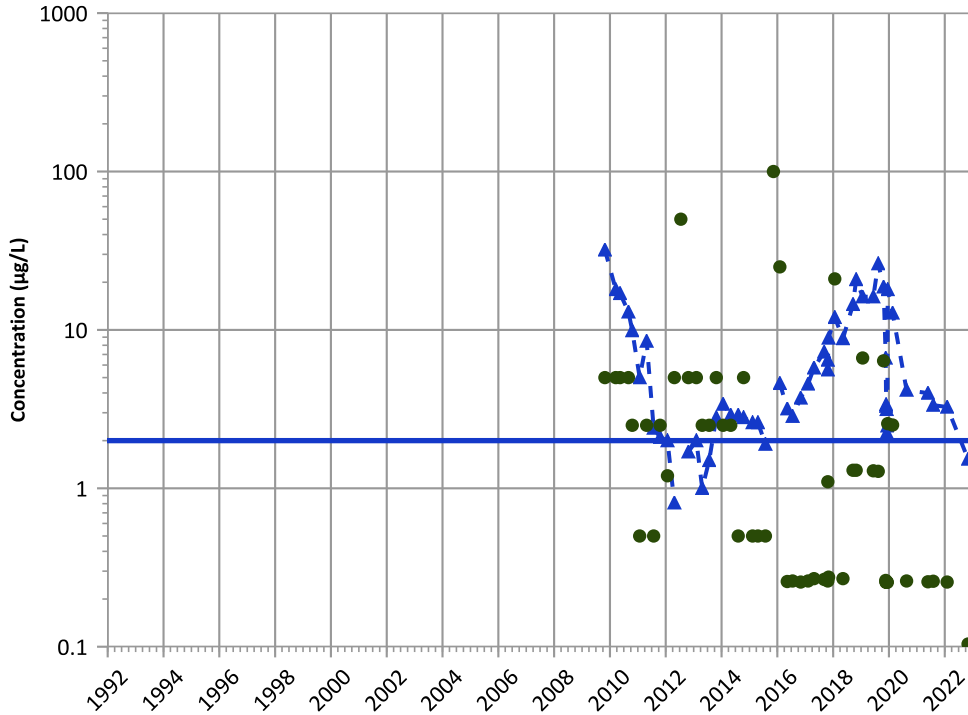
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

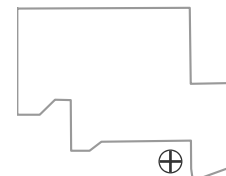
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

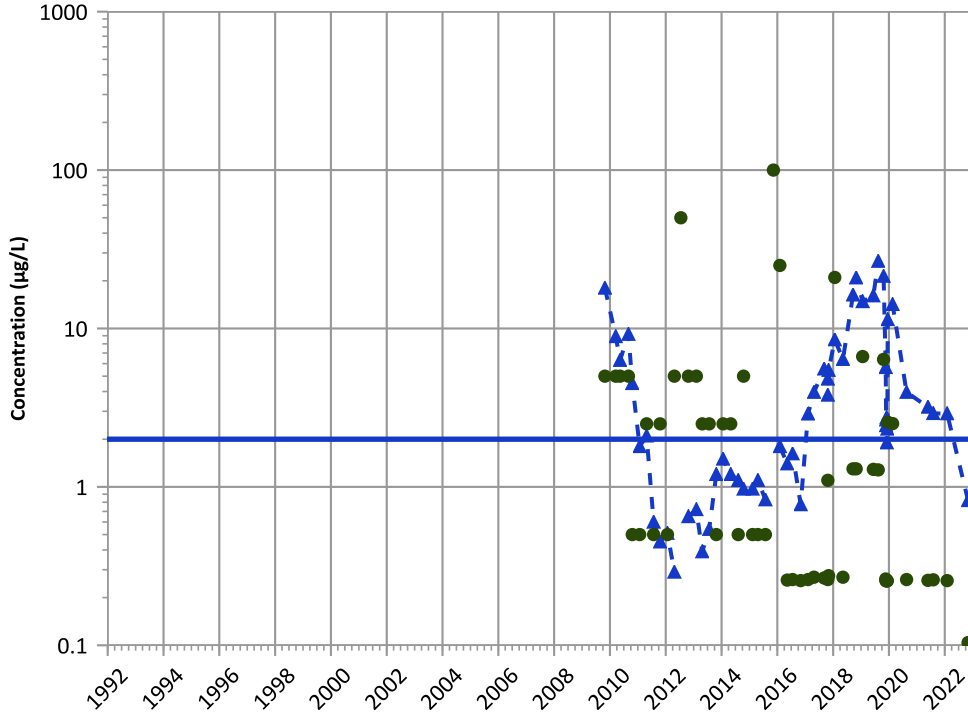
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

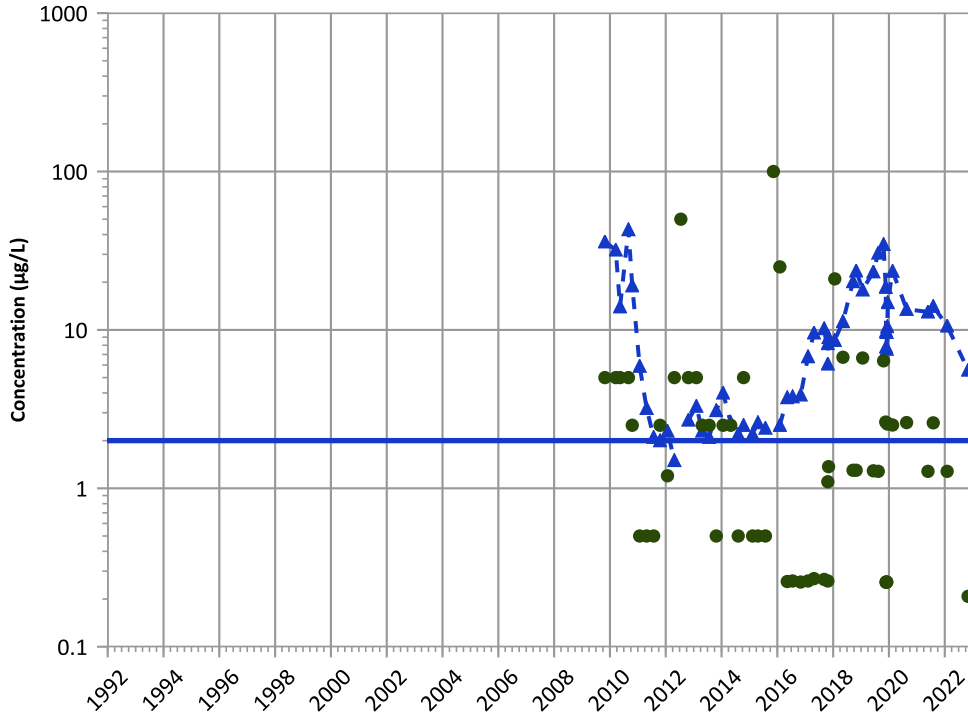
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

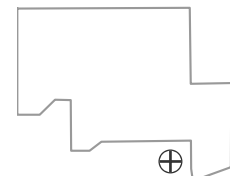
2020 - 2022 Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

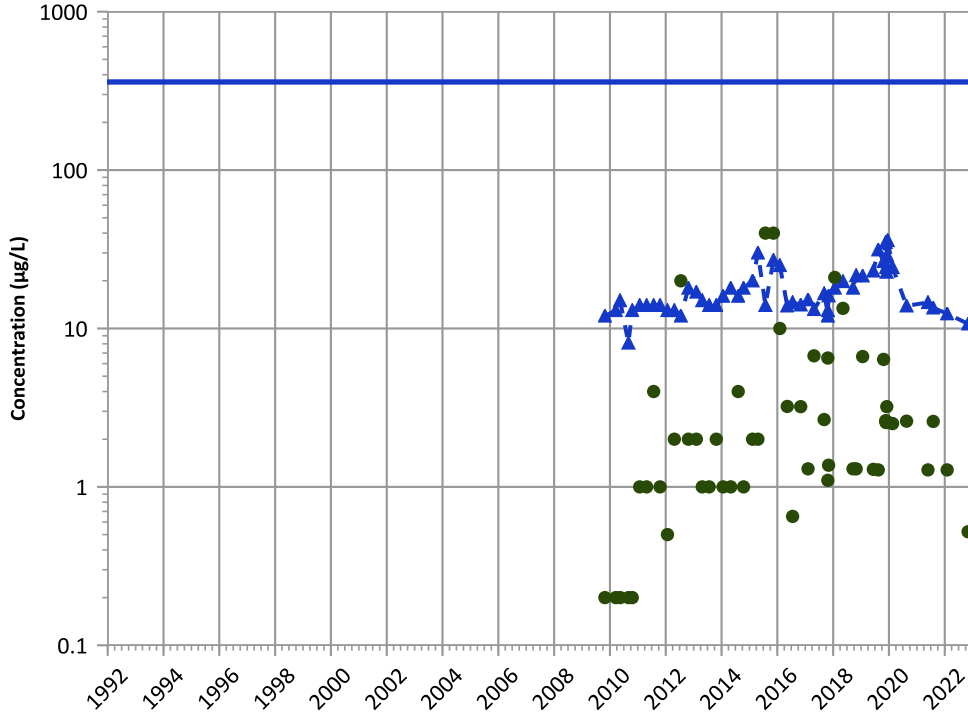
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

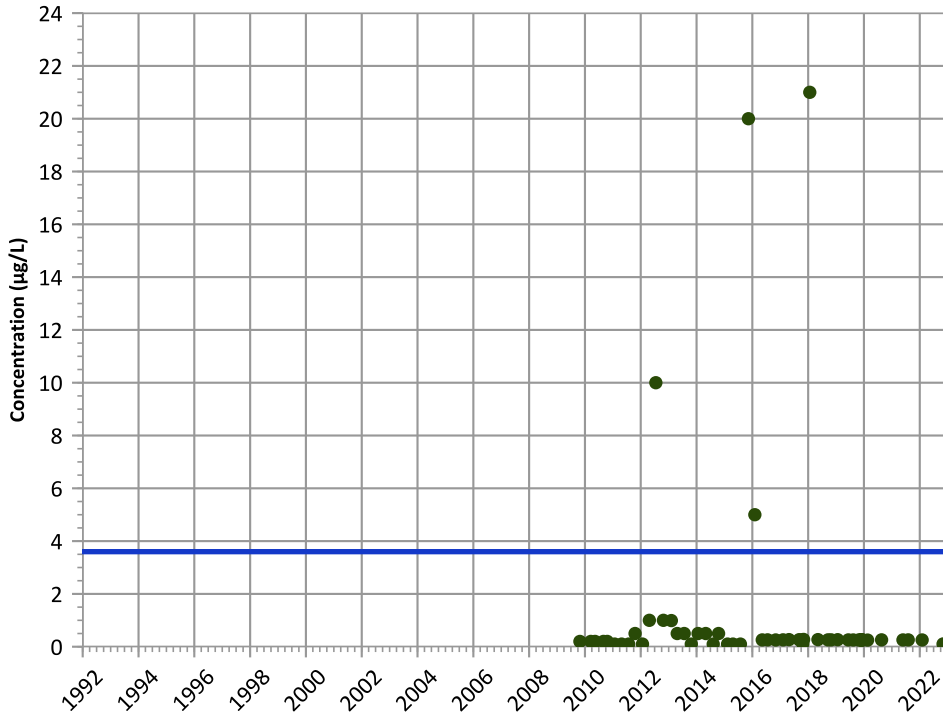
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

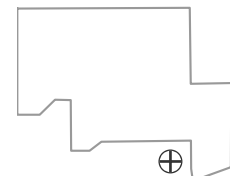
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Well Location

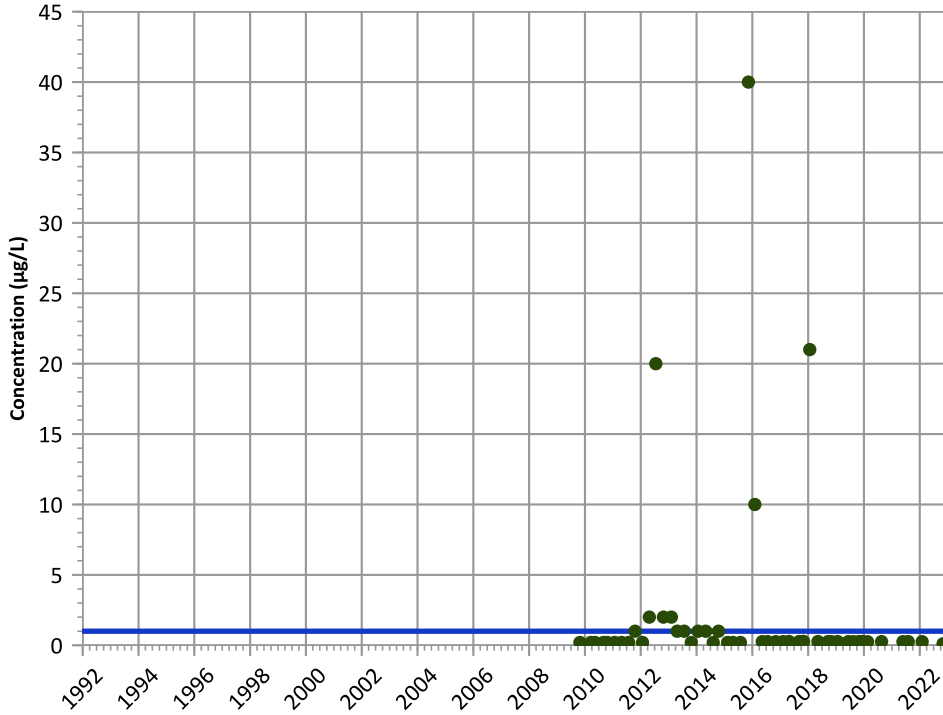


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend

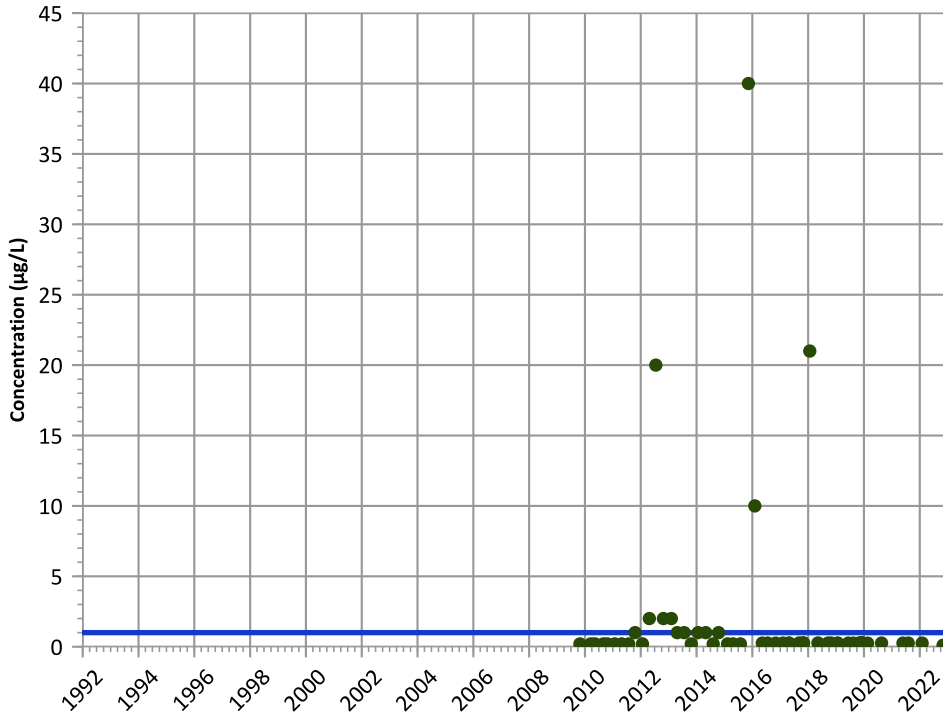


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

2,6-Dinitrotoluene Trend



Concentration Trend

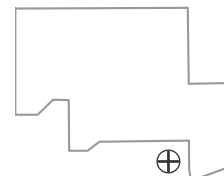
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

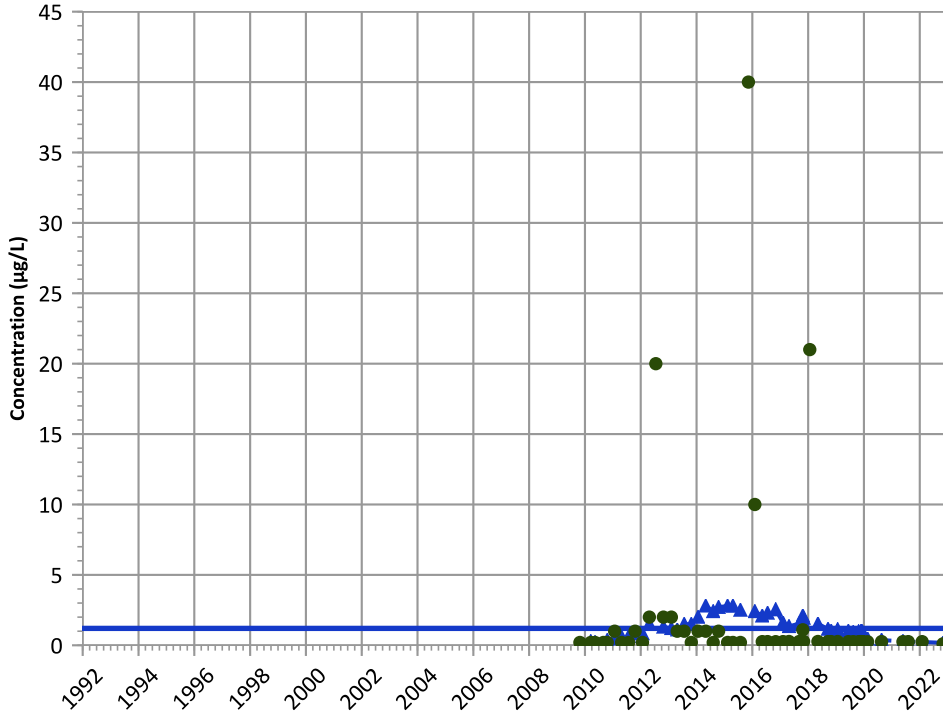
Well Location





PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

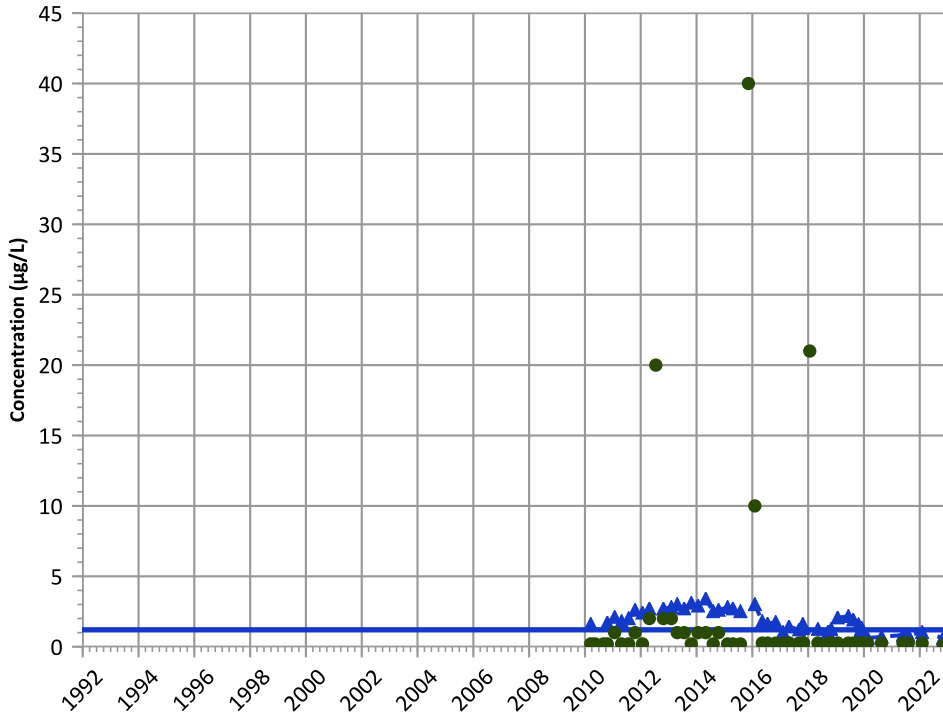


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

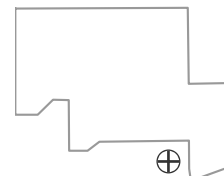
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

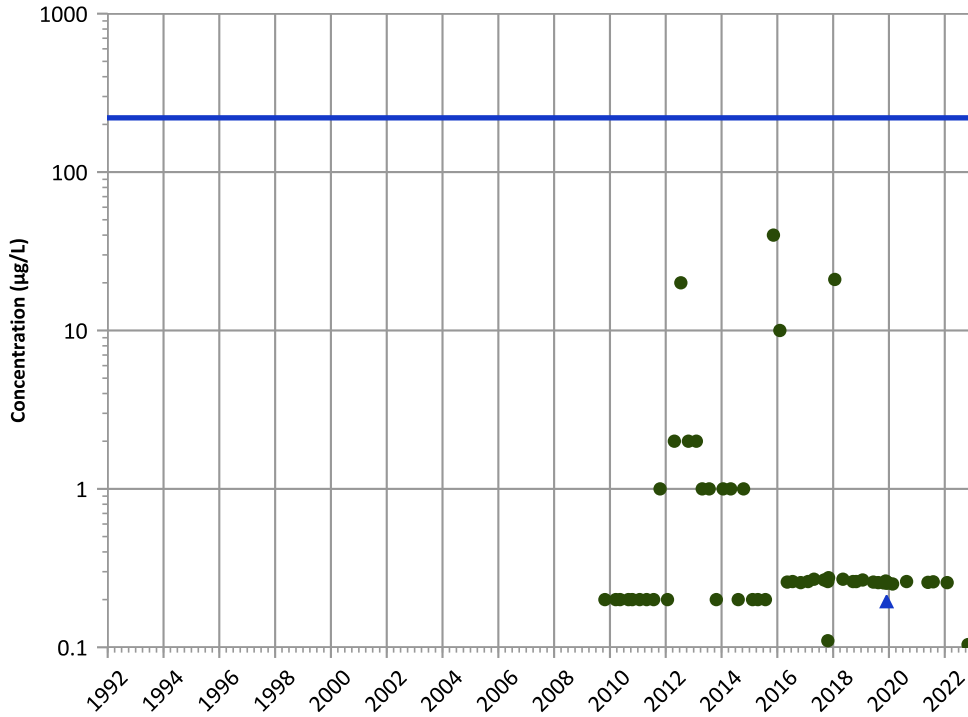
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

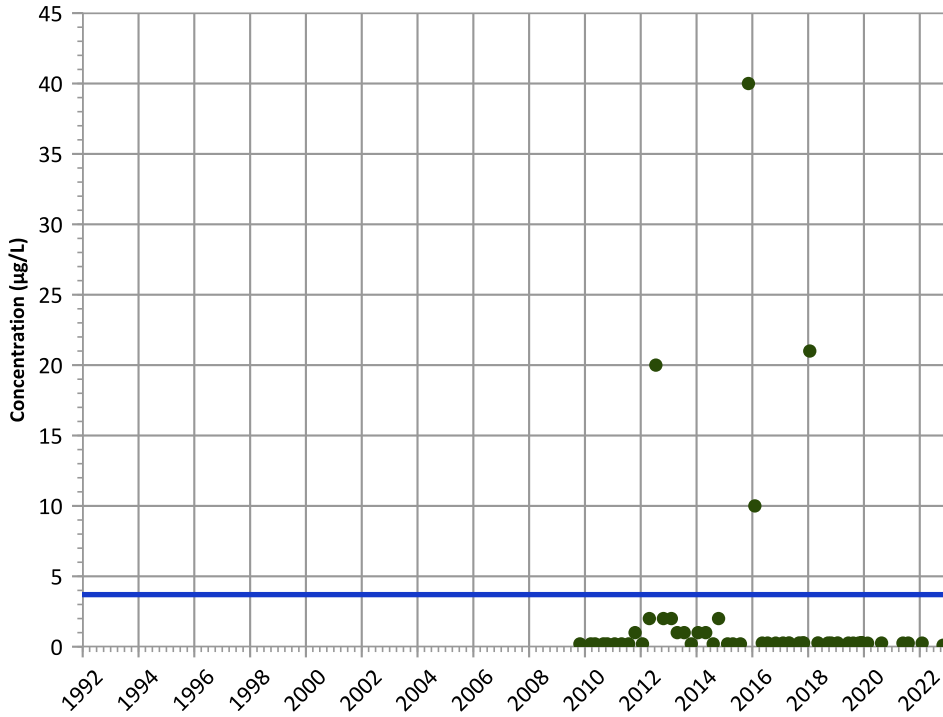


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend

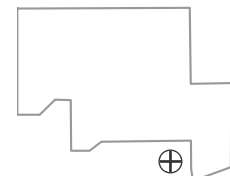


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

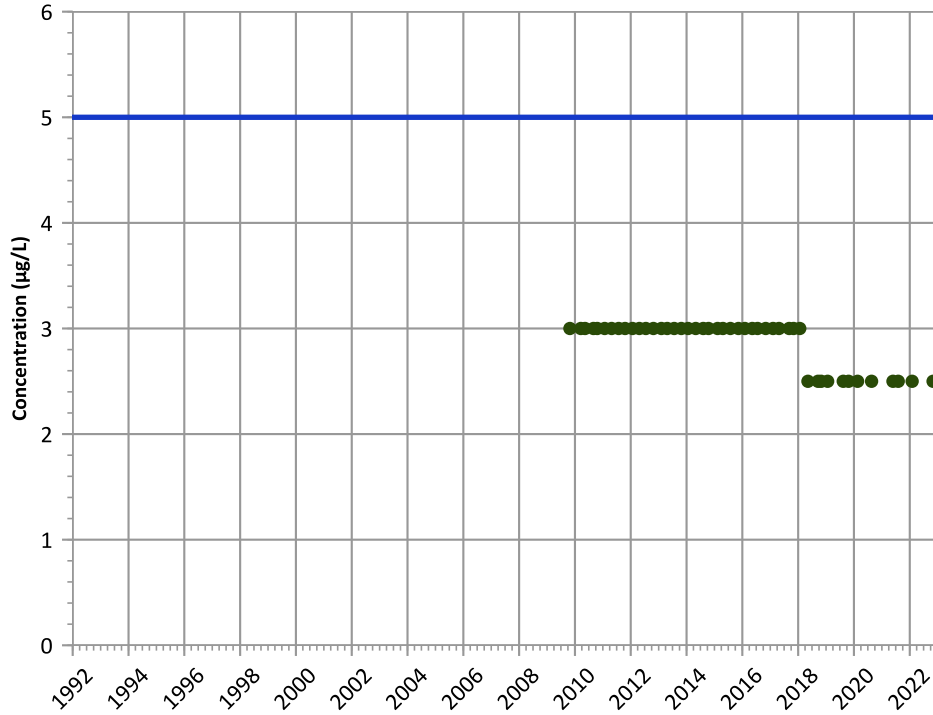
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

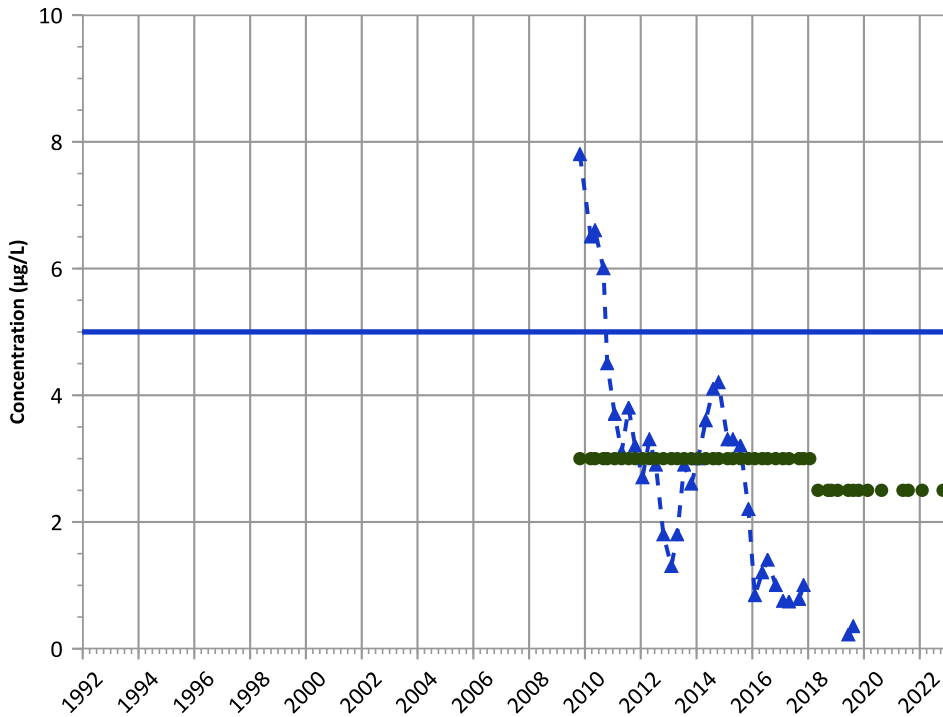


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**

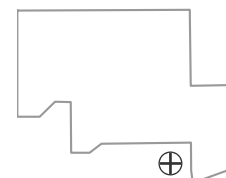


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

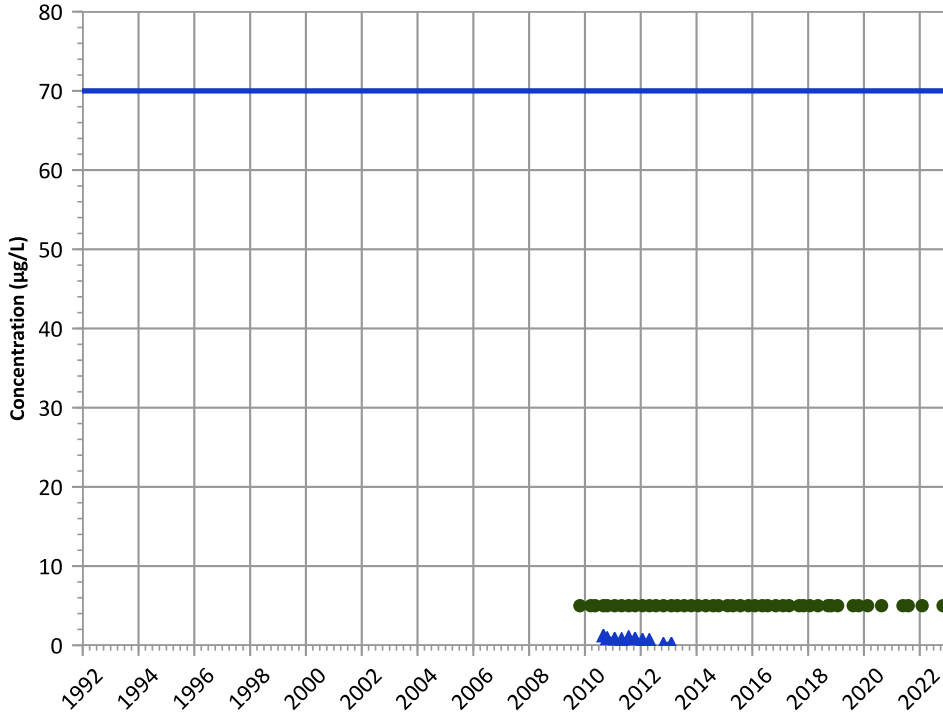
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

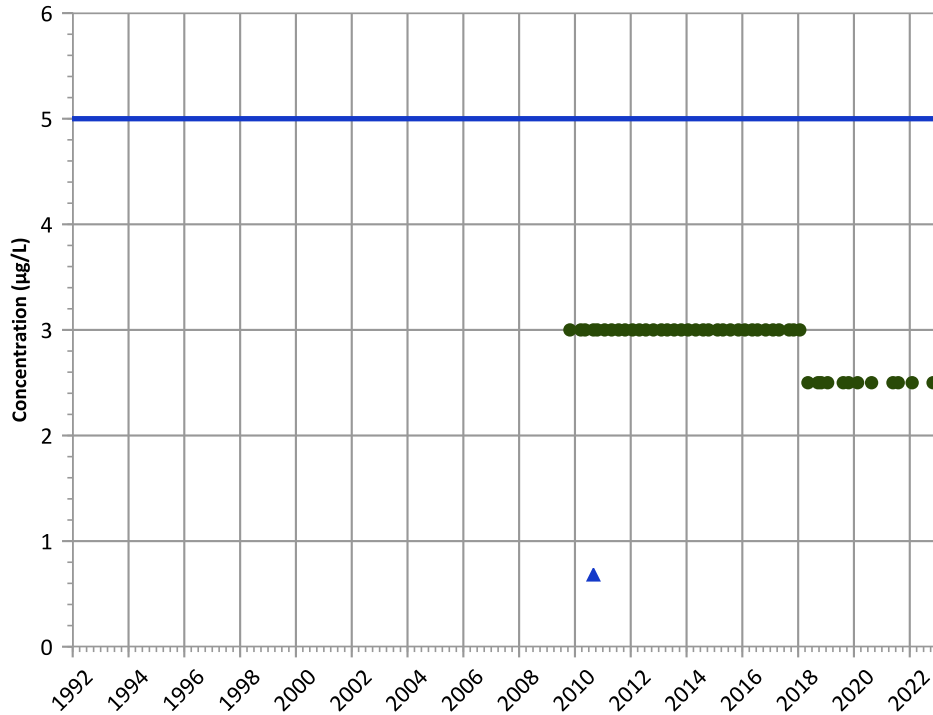


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

**1,2-Dichloroethane Trend**

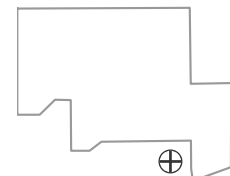


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

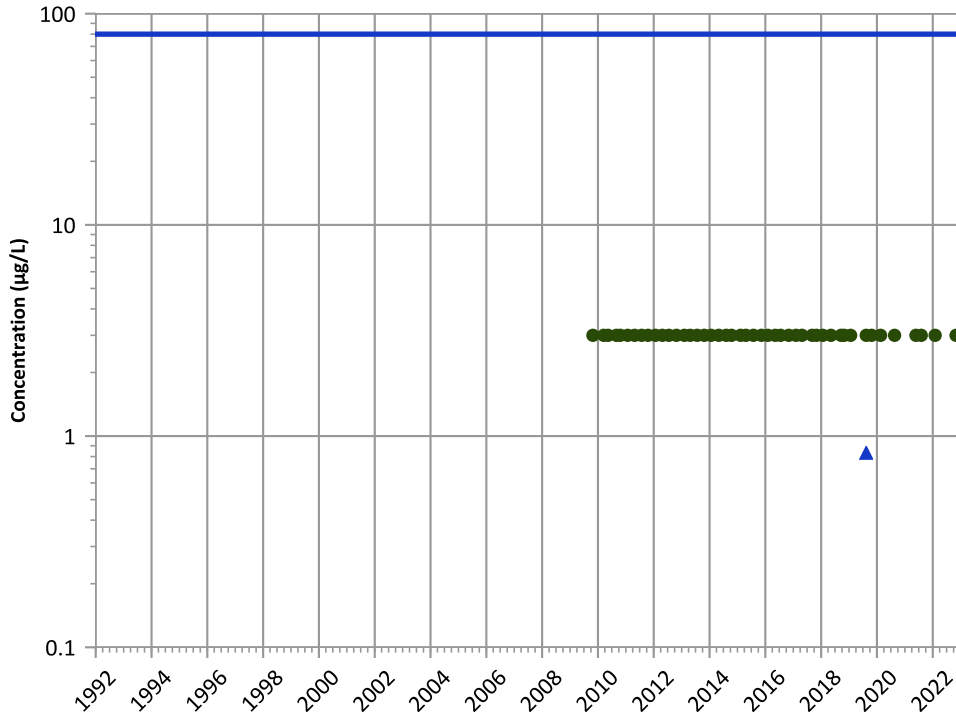
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

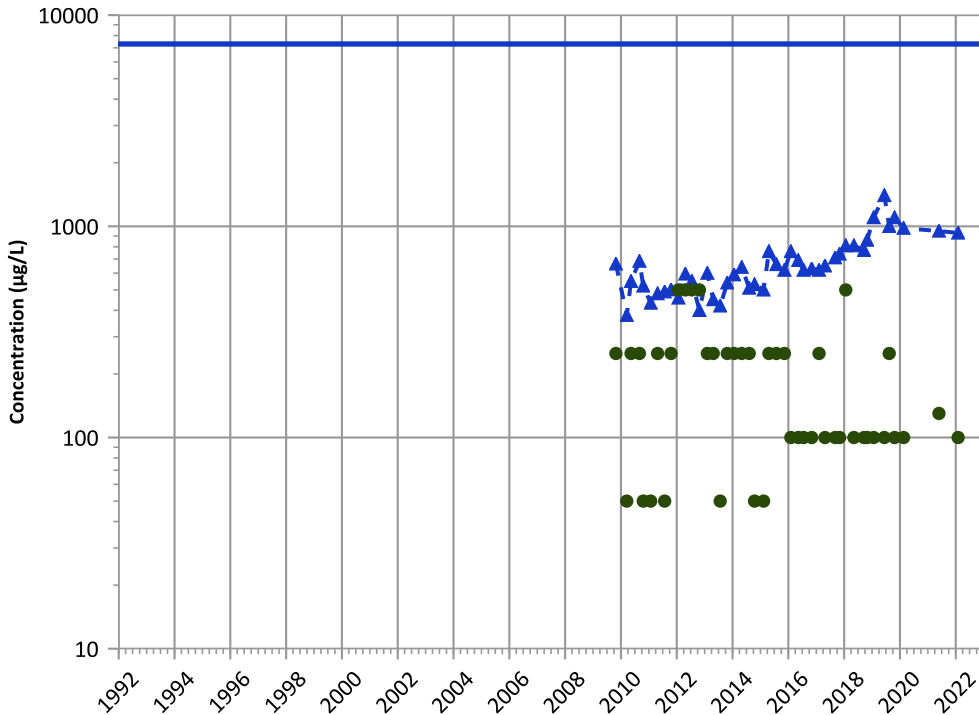


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**

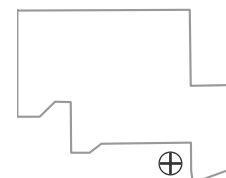


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

**Well Location**

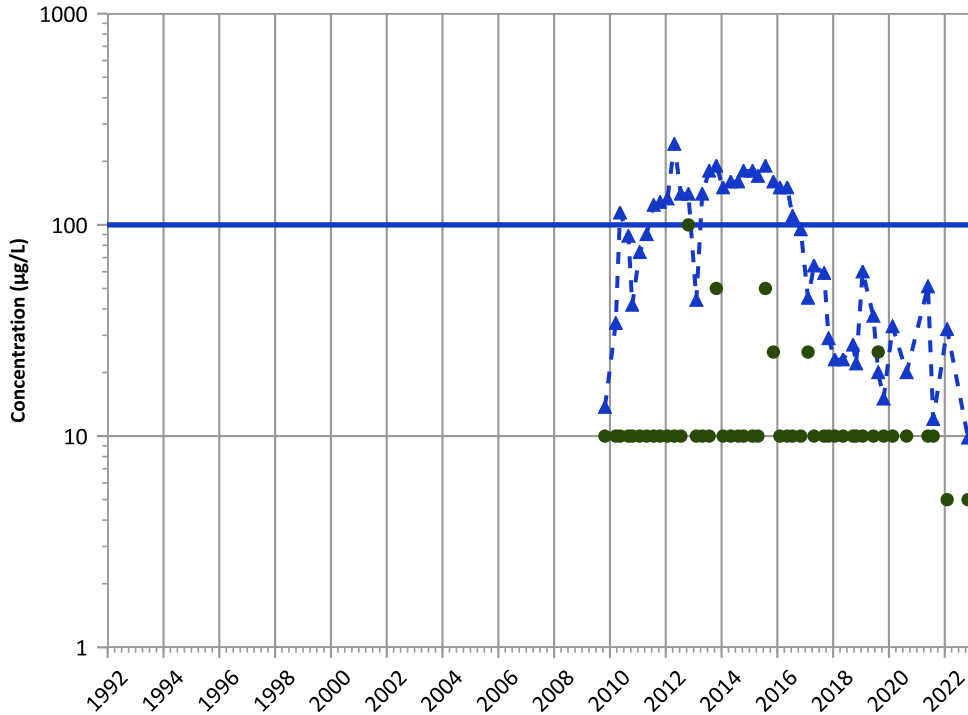


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

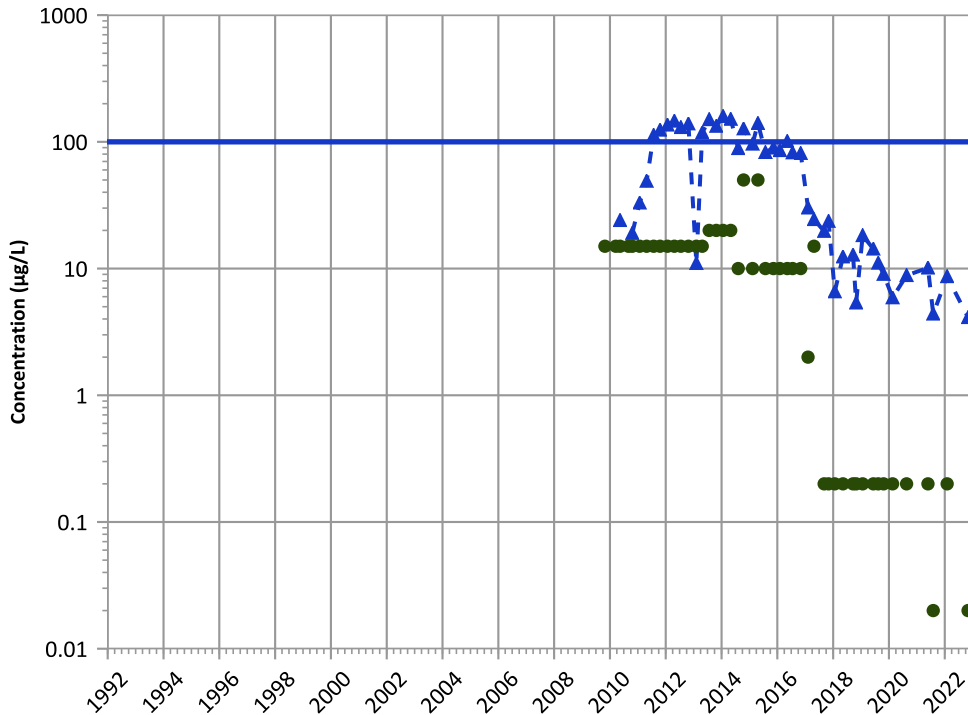


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Chromium, Hexavalent Trend

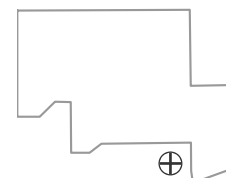


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

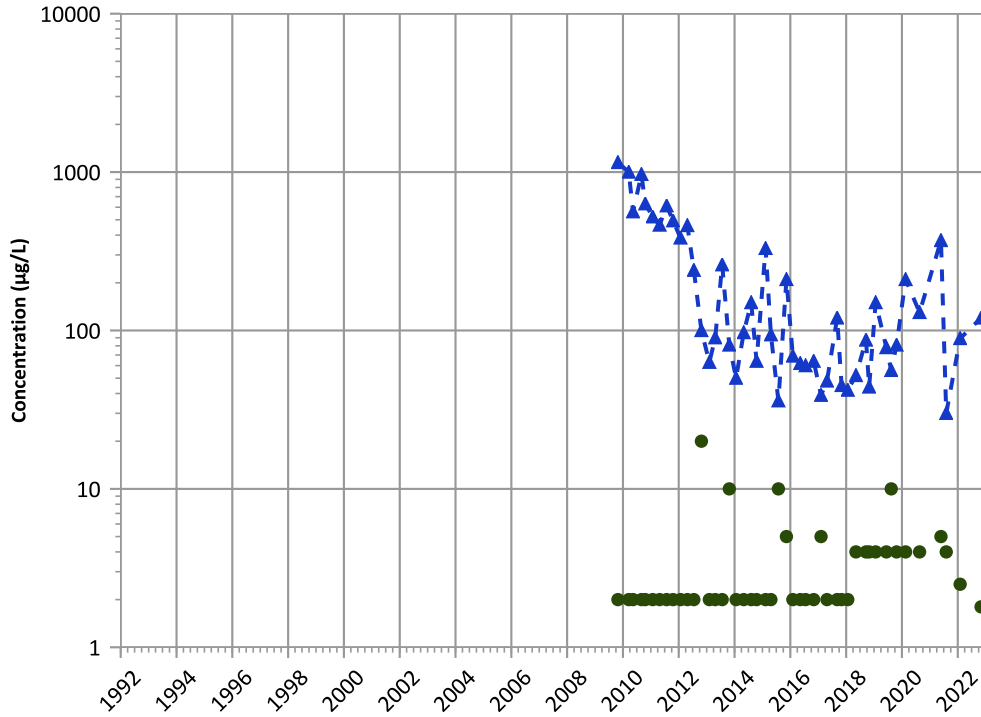
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend

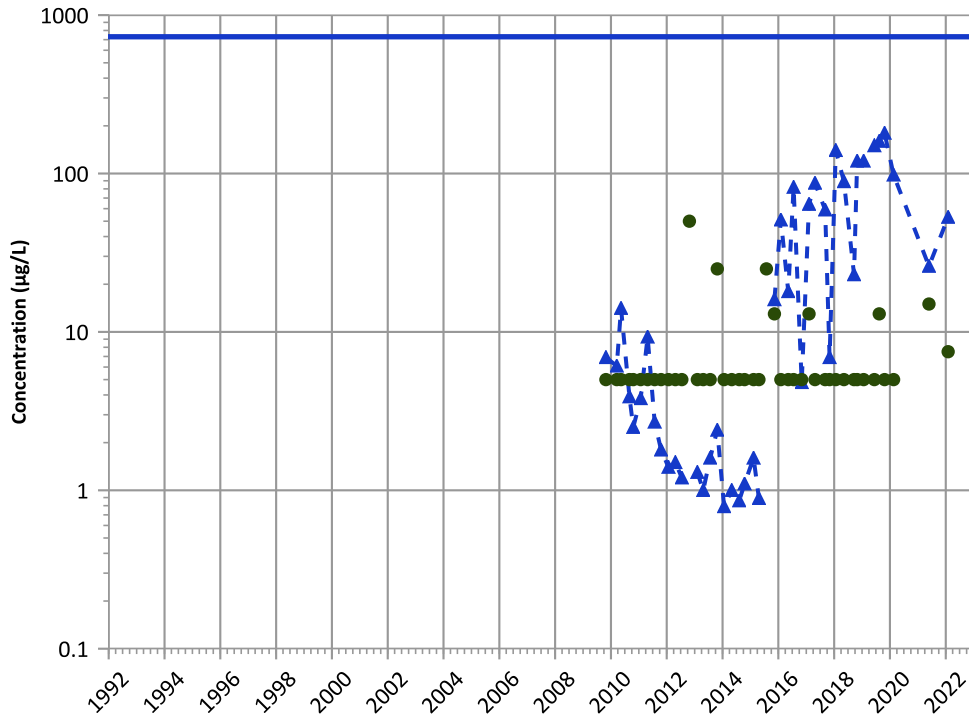


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Nickel Trend



Concentration Trend

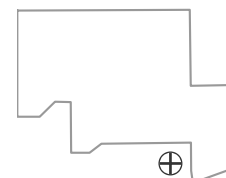
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

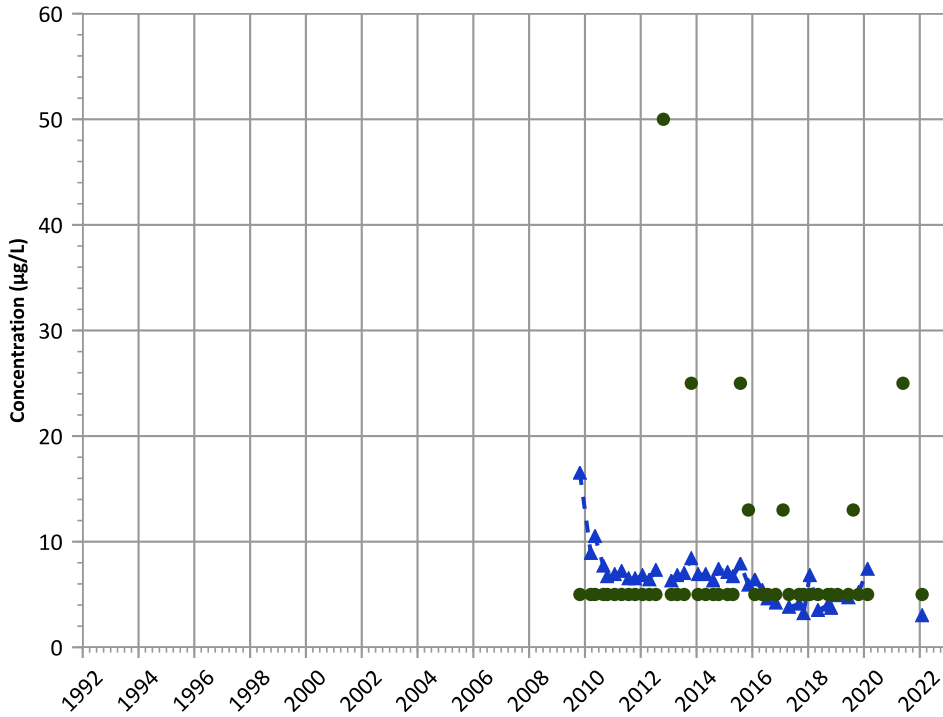
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Molybdenum Trend**

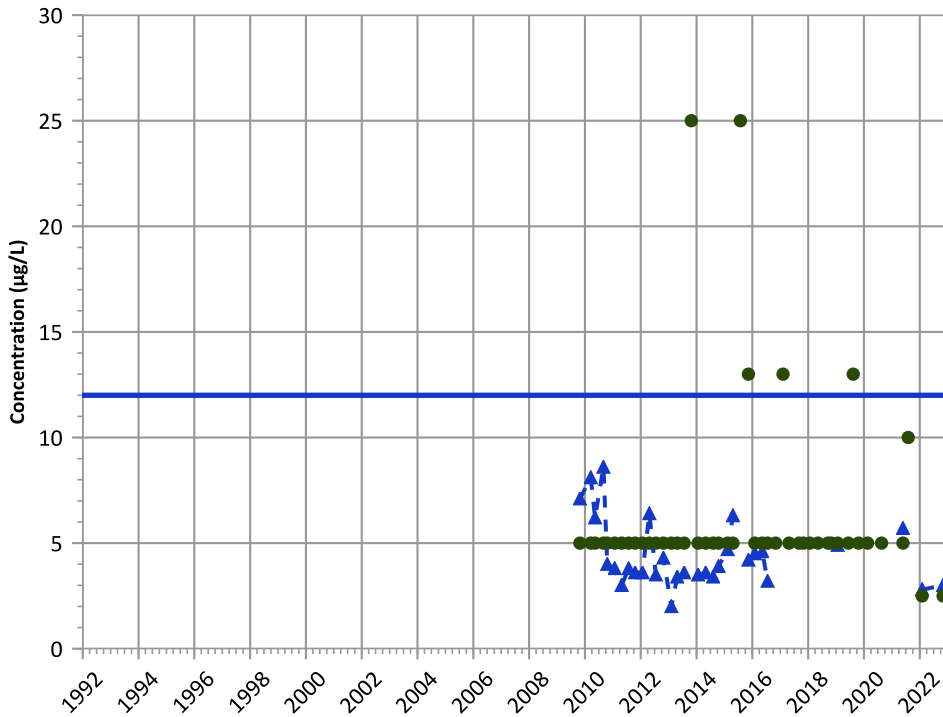


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

**Arsenic Trend**



**Concentration Trend**

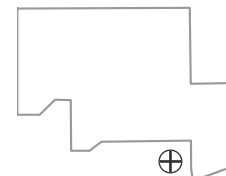
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

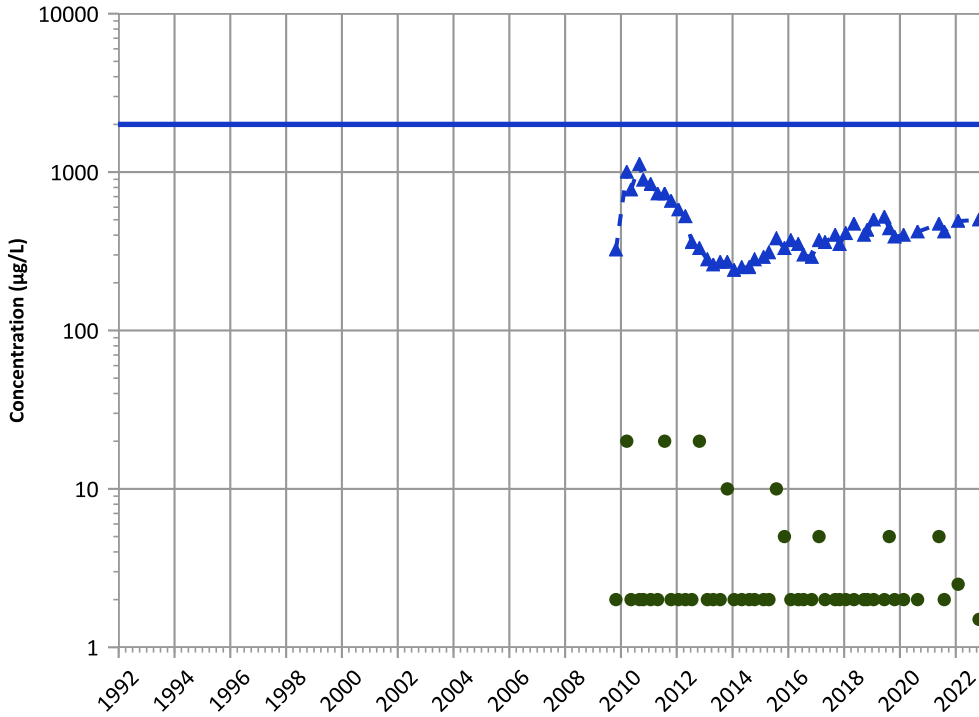
**Well Location**





PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend

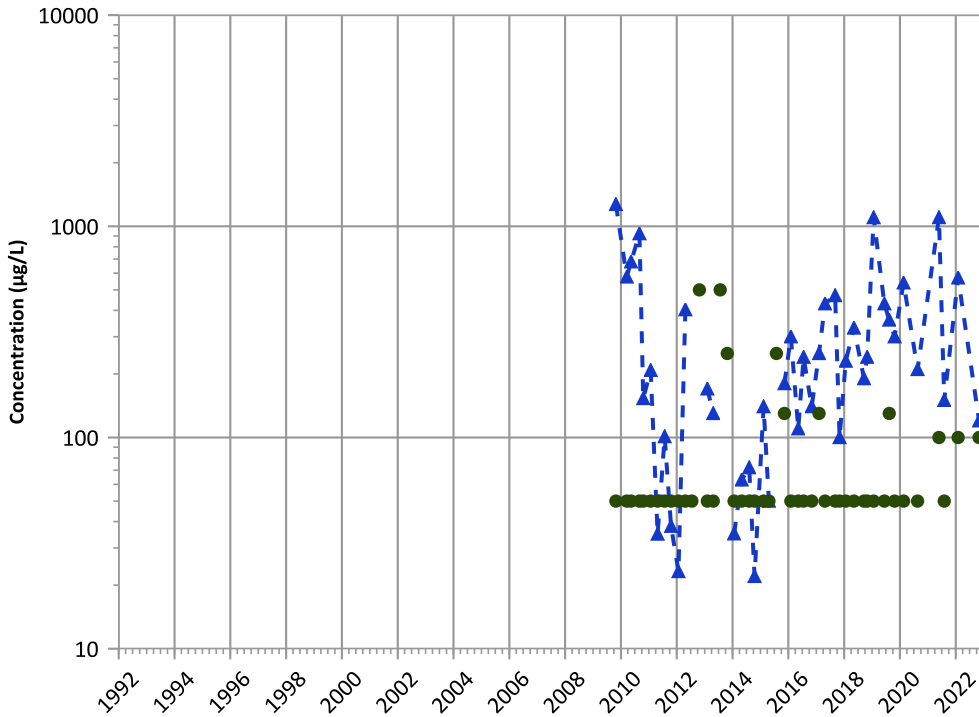


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

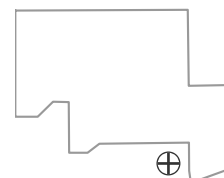
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

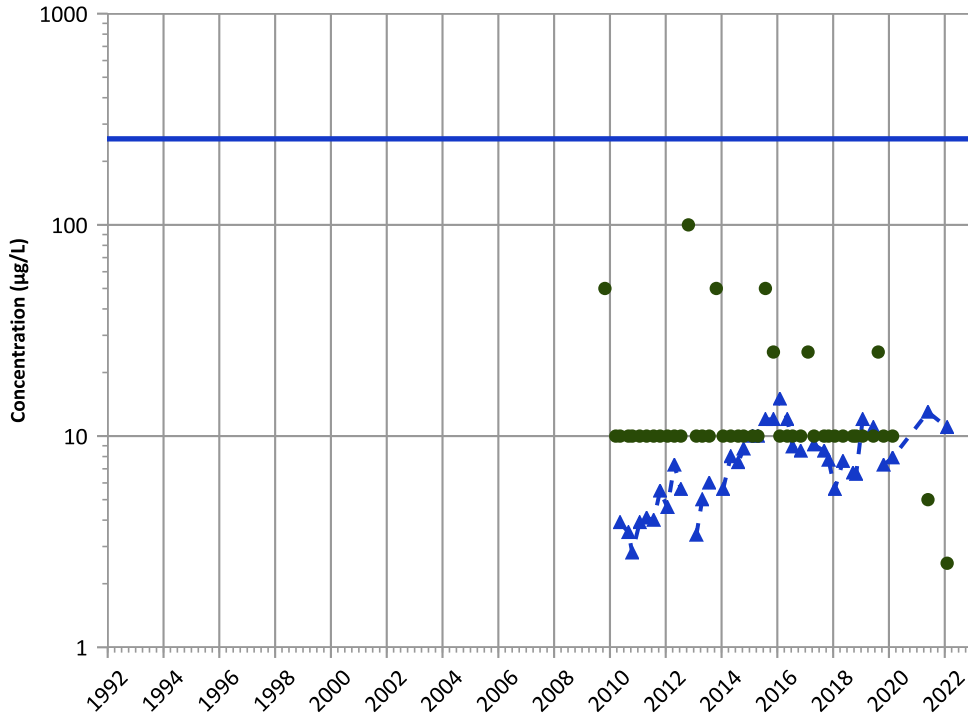
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1153 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

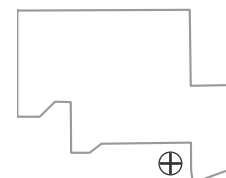
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

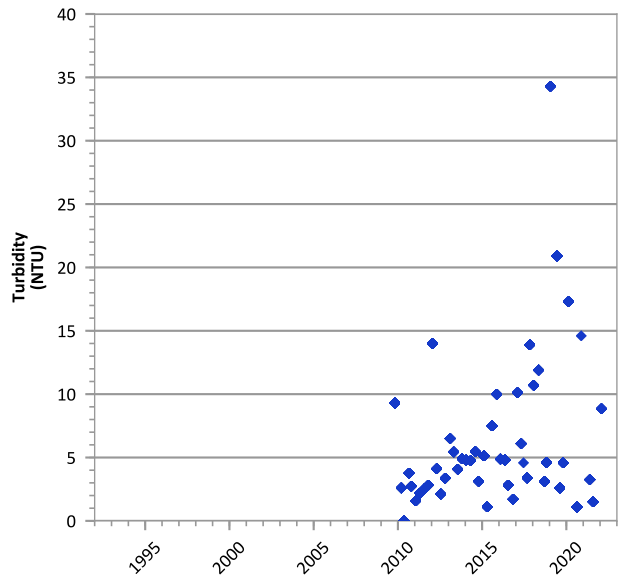
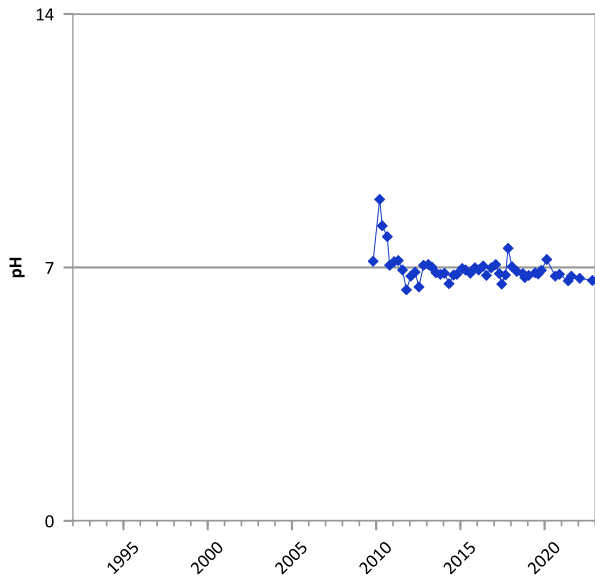
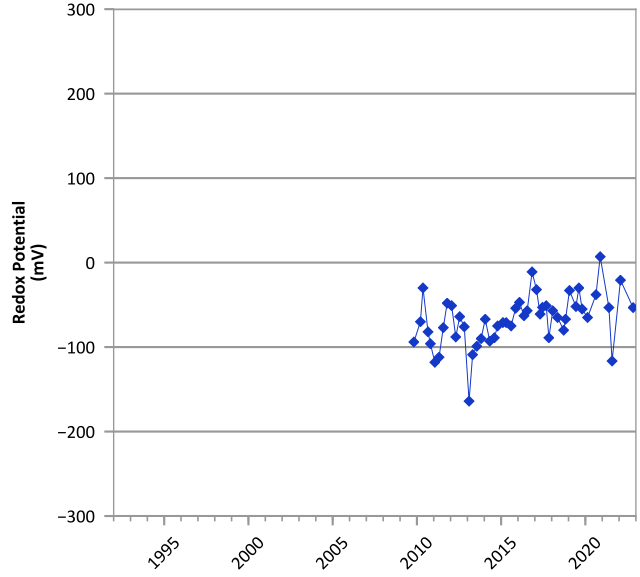
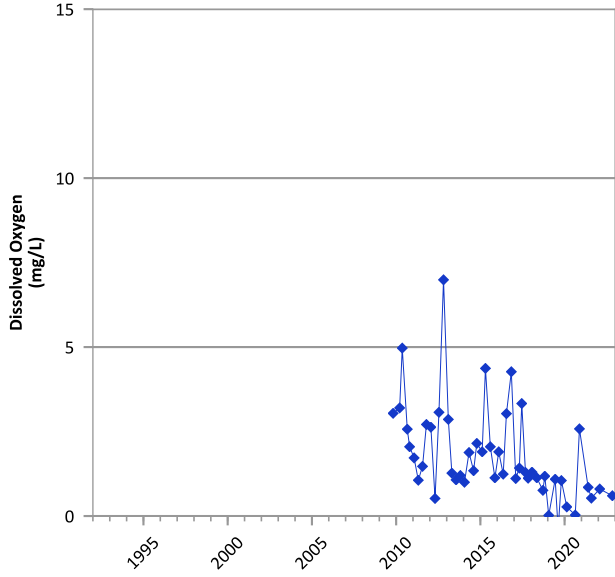
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

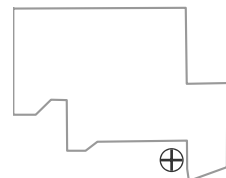


**PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



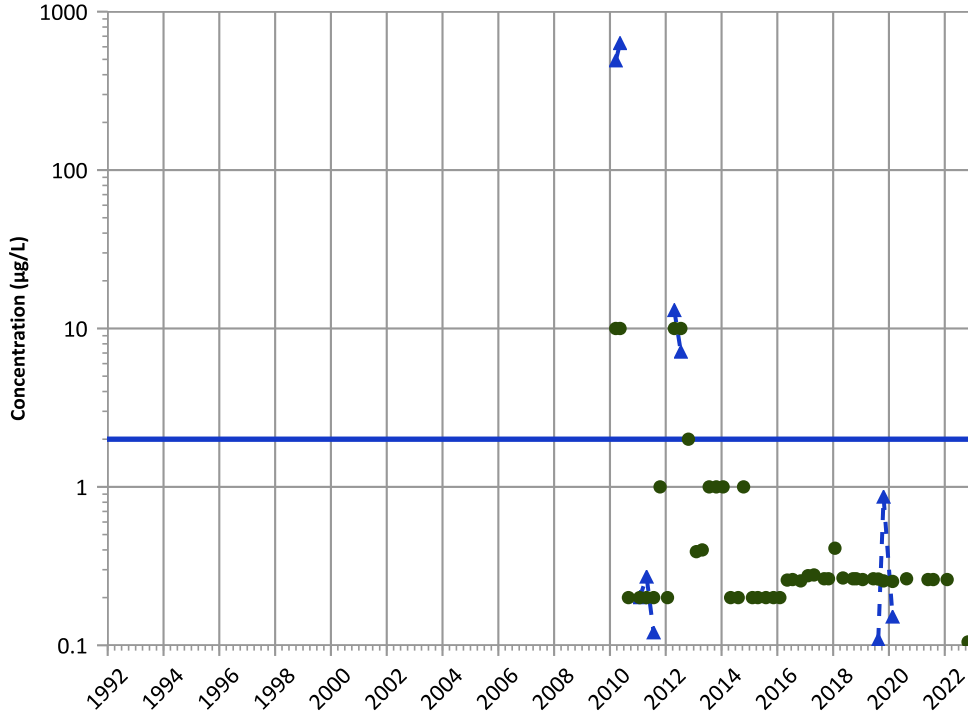
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/27/2009 to 11/02/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

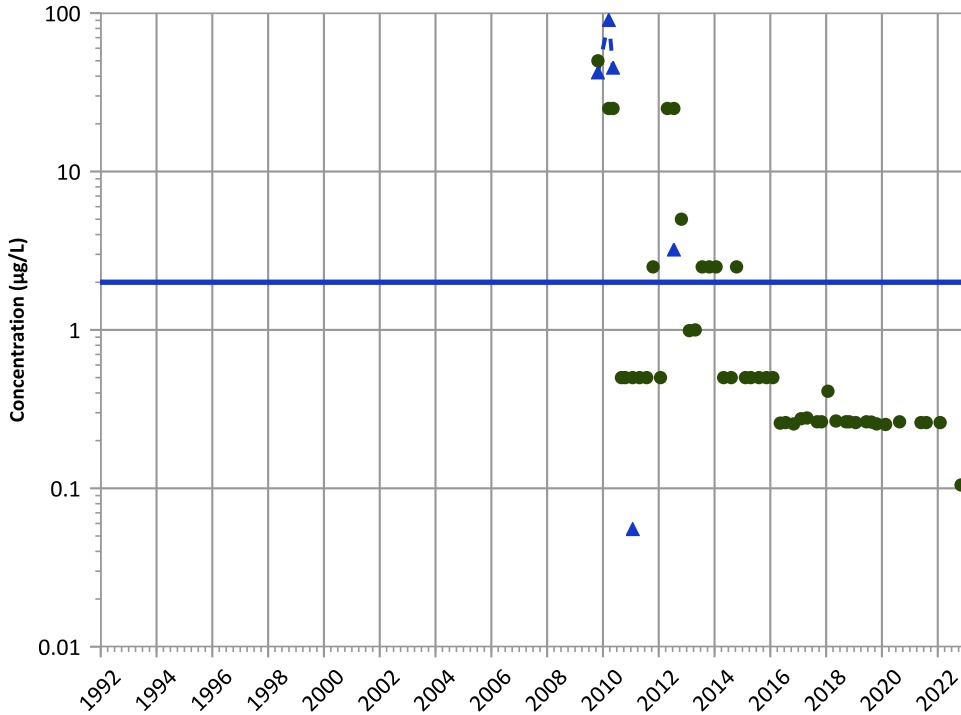


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

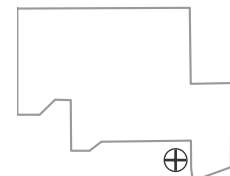
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

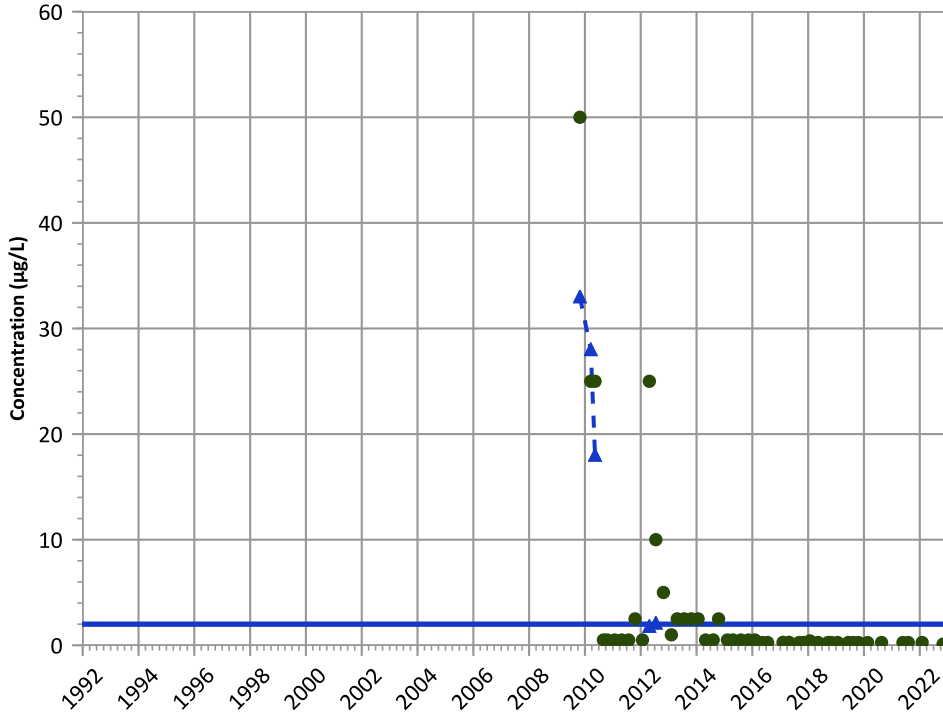
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

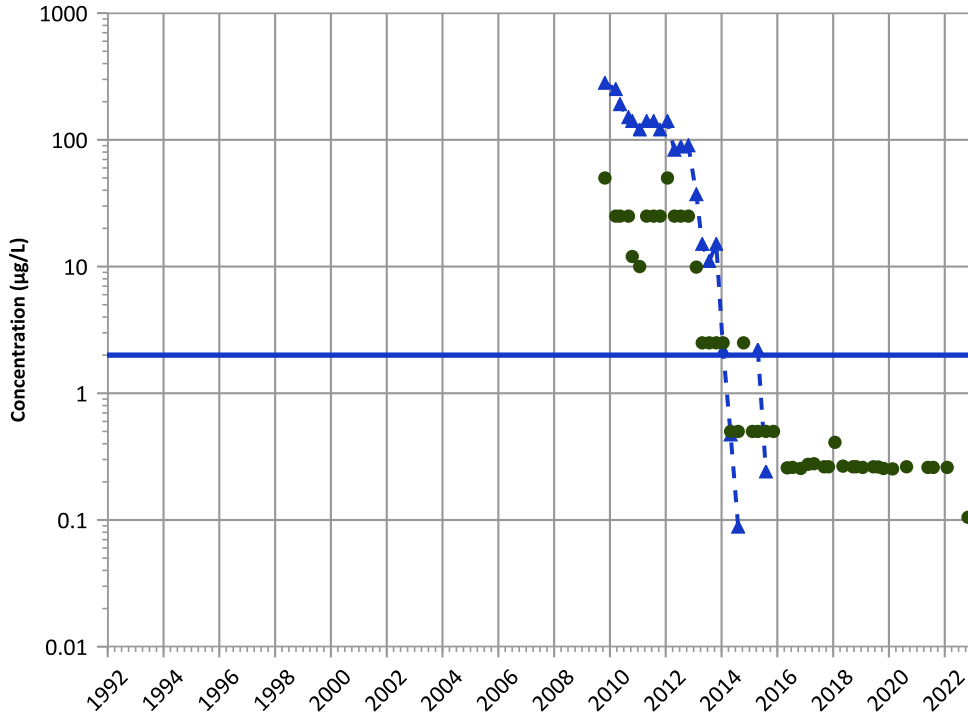


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

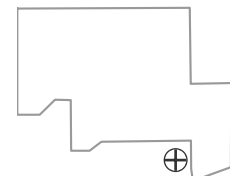
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

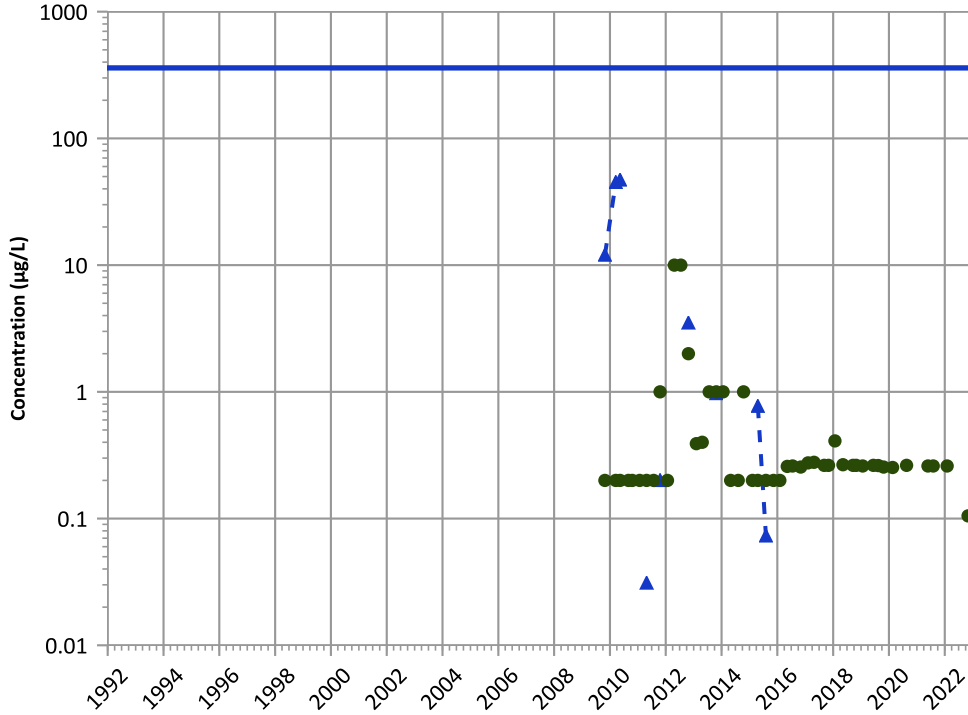
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

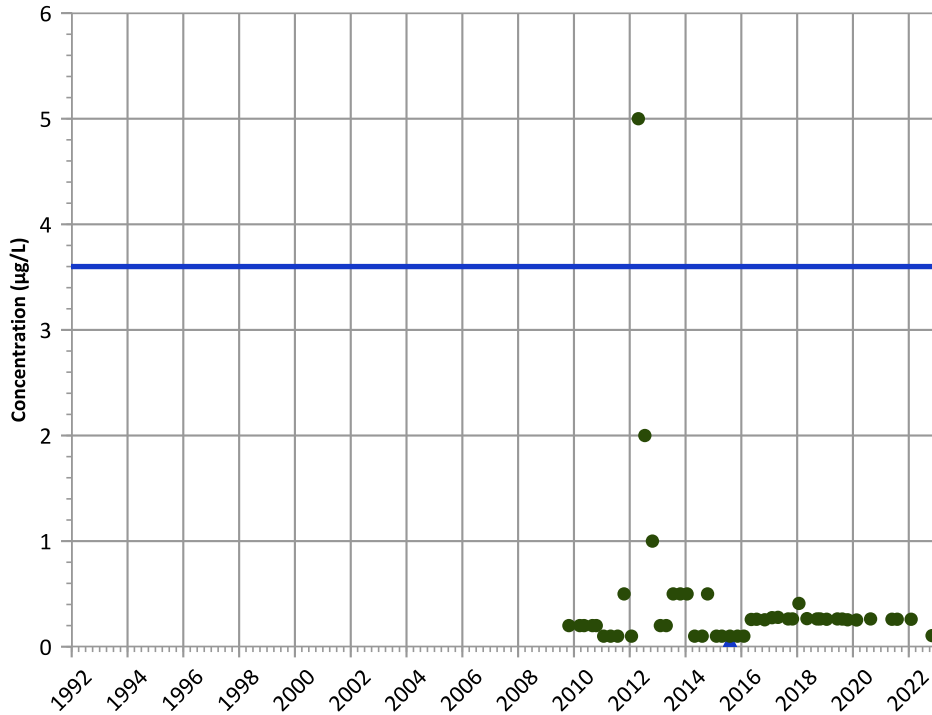


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

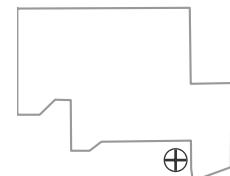
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

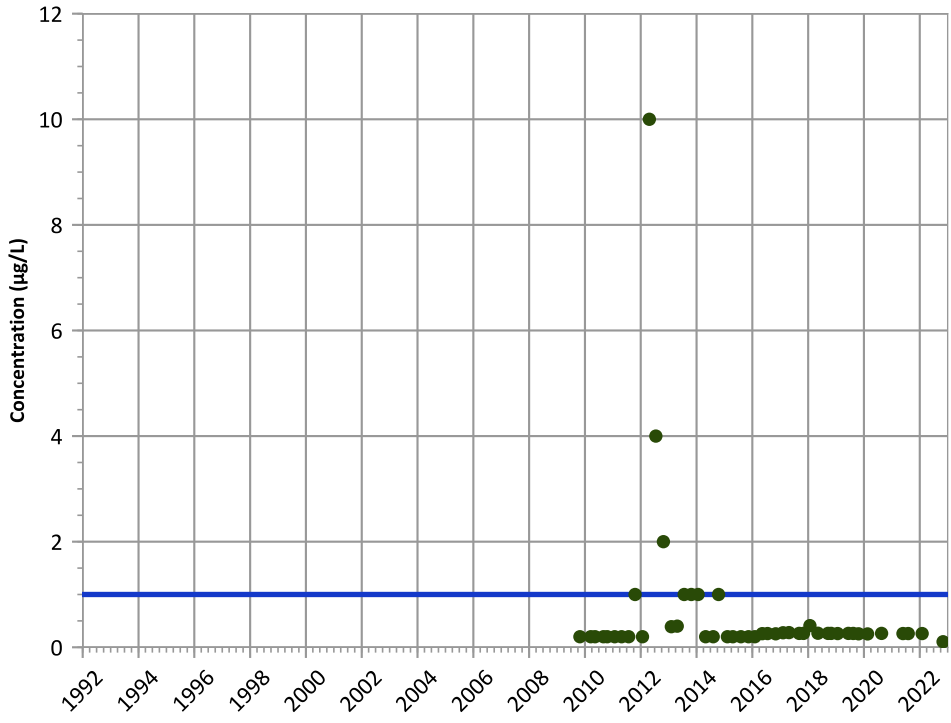
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

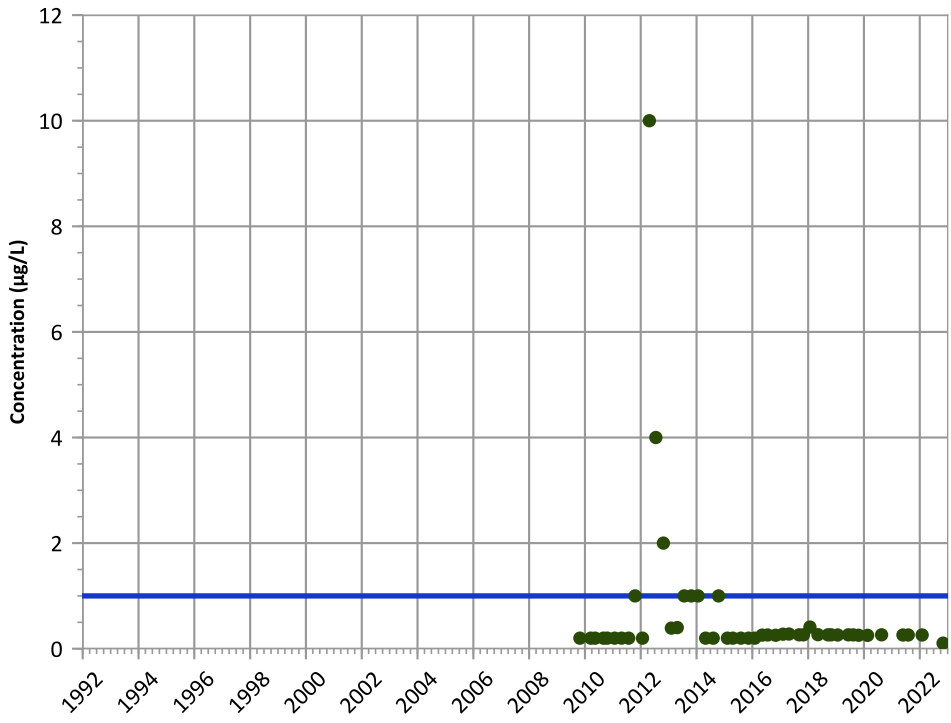
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

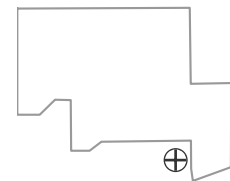
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

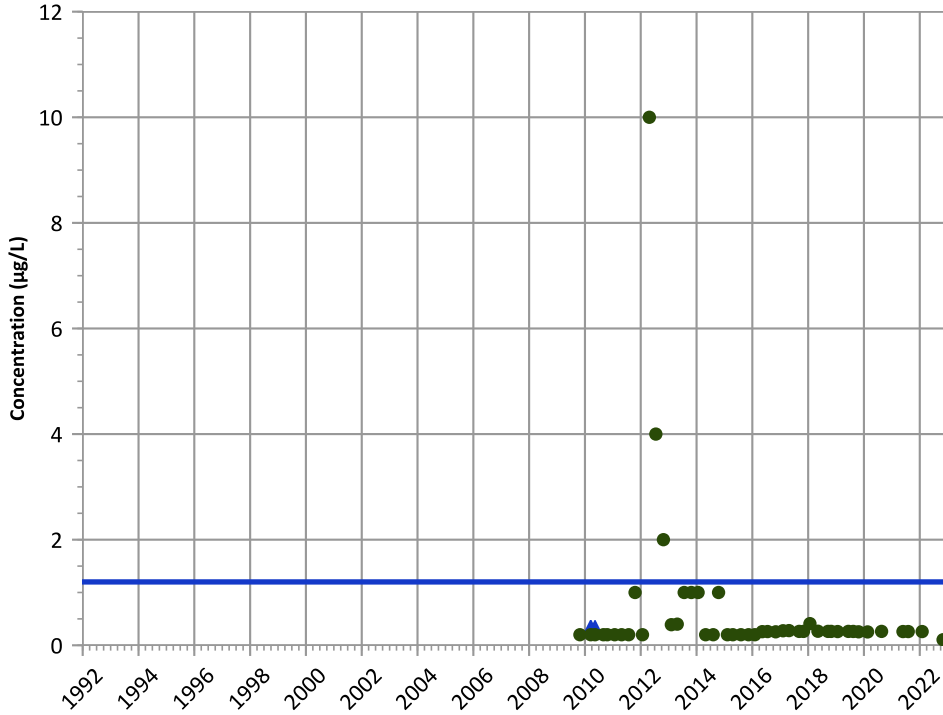
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend

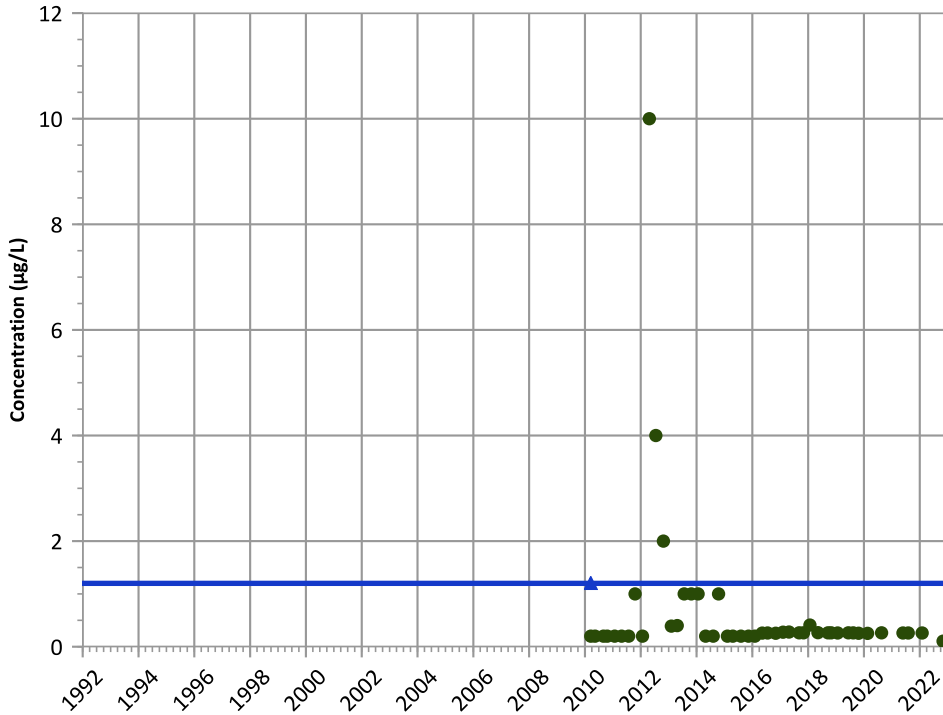


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

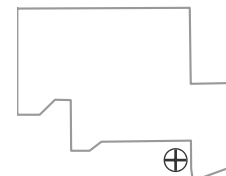
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

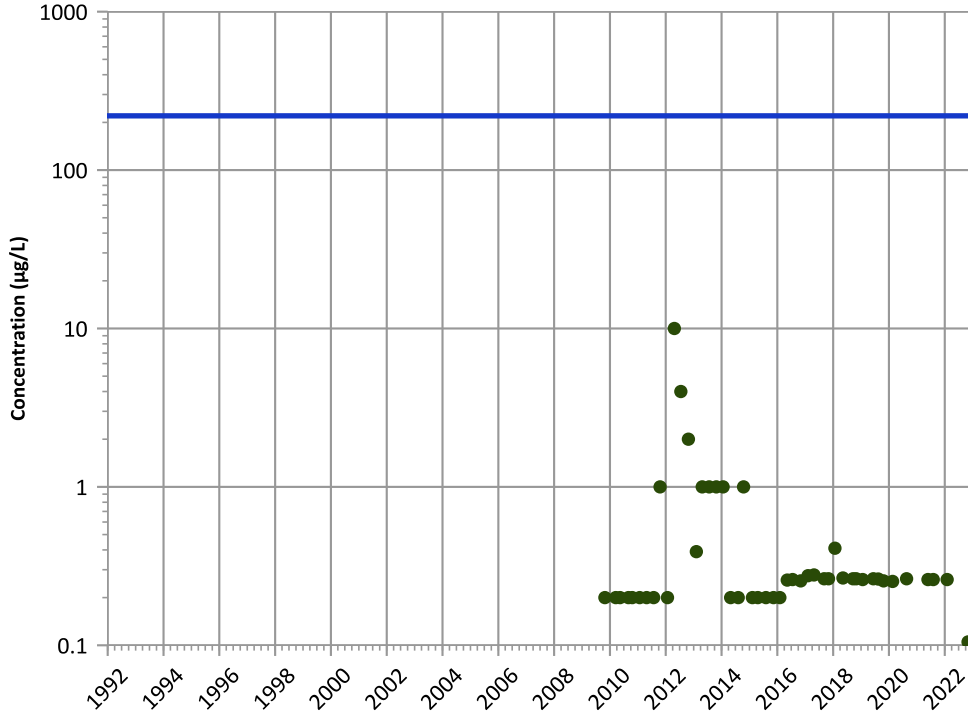
Well Location





PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

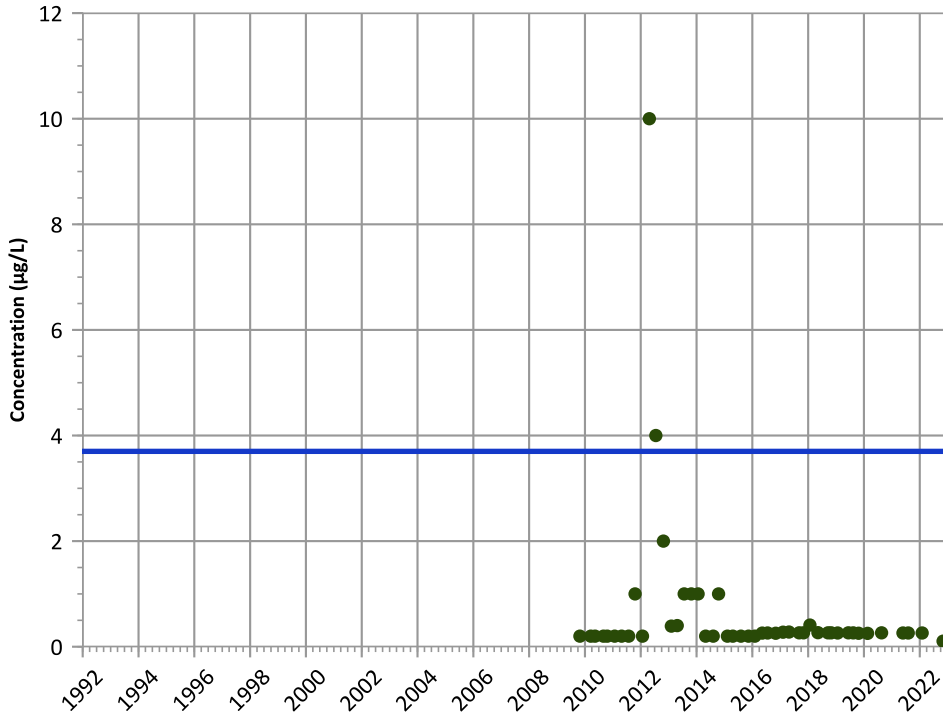
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

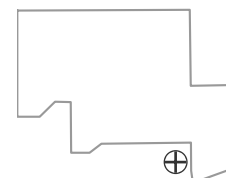
2020 - 2022 Data:

All Non-Detect

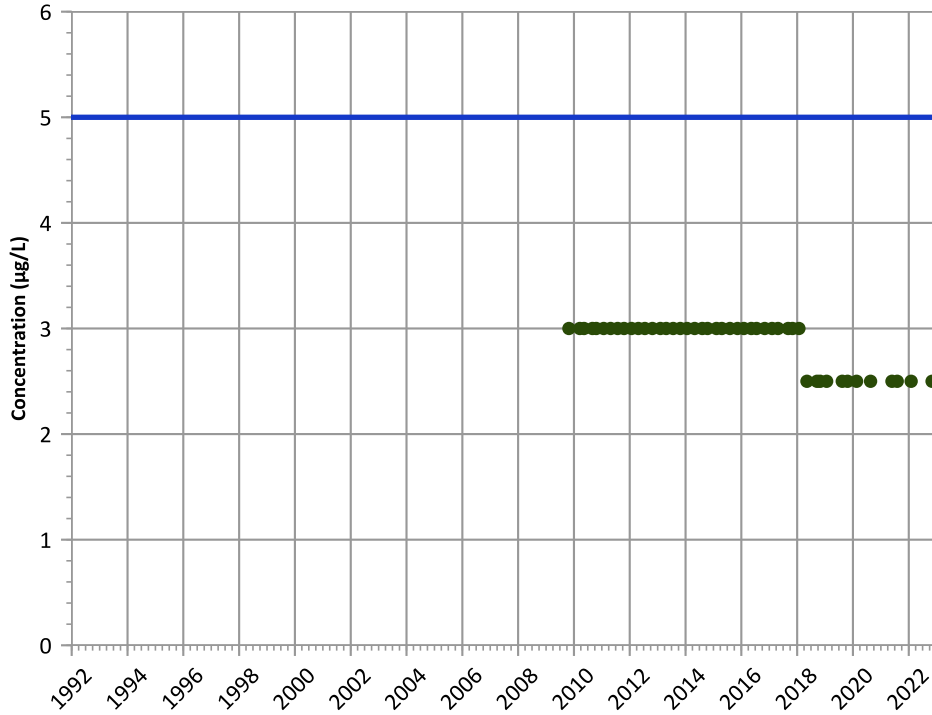
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

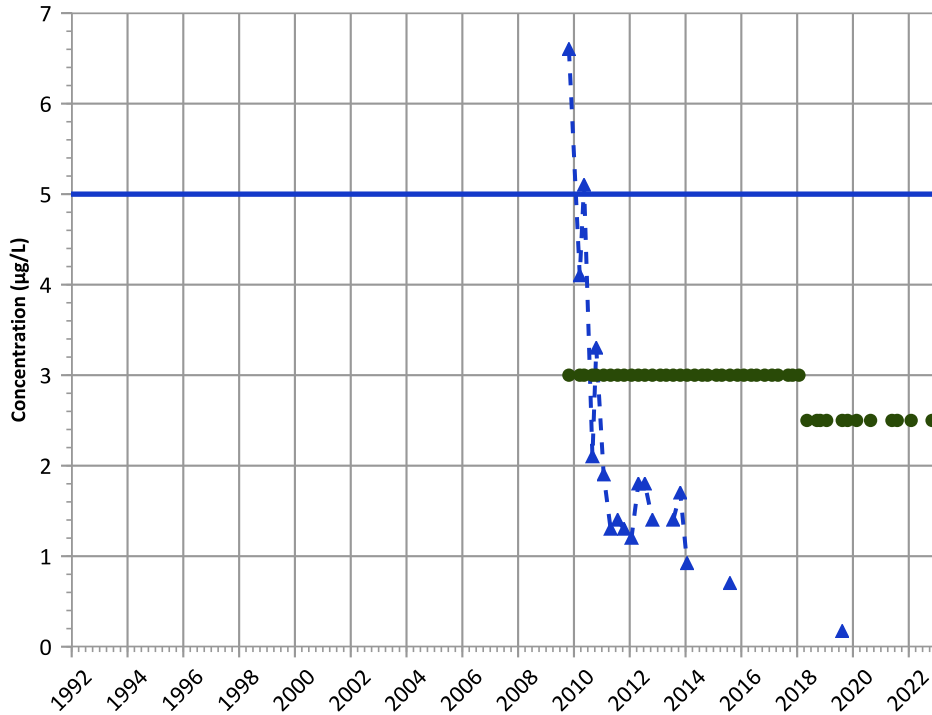
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

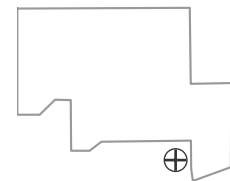
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

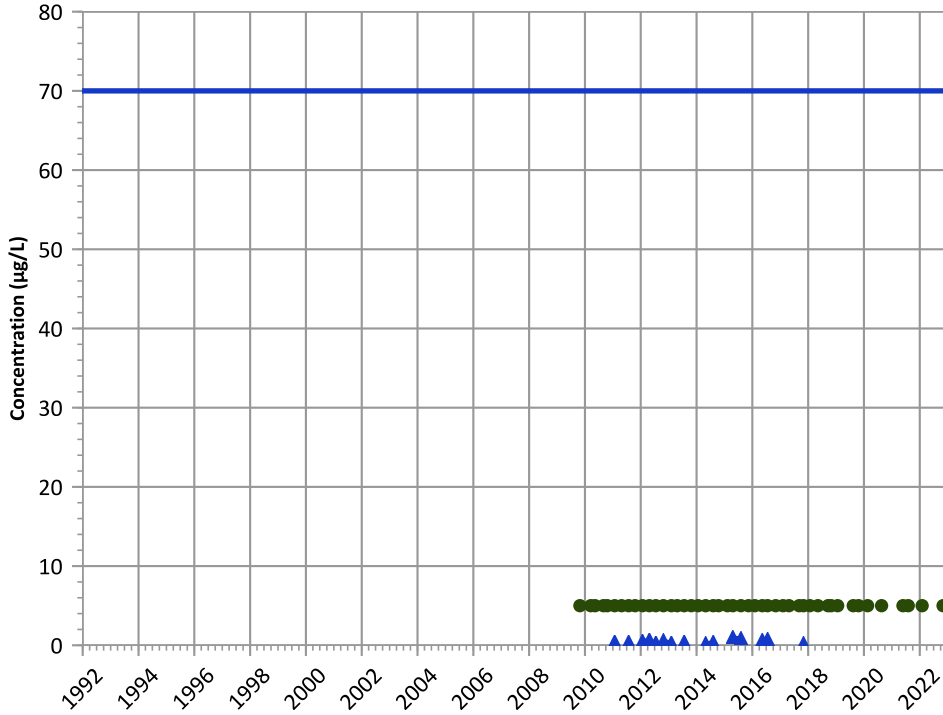
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

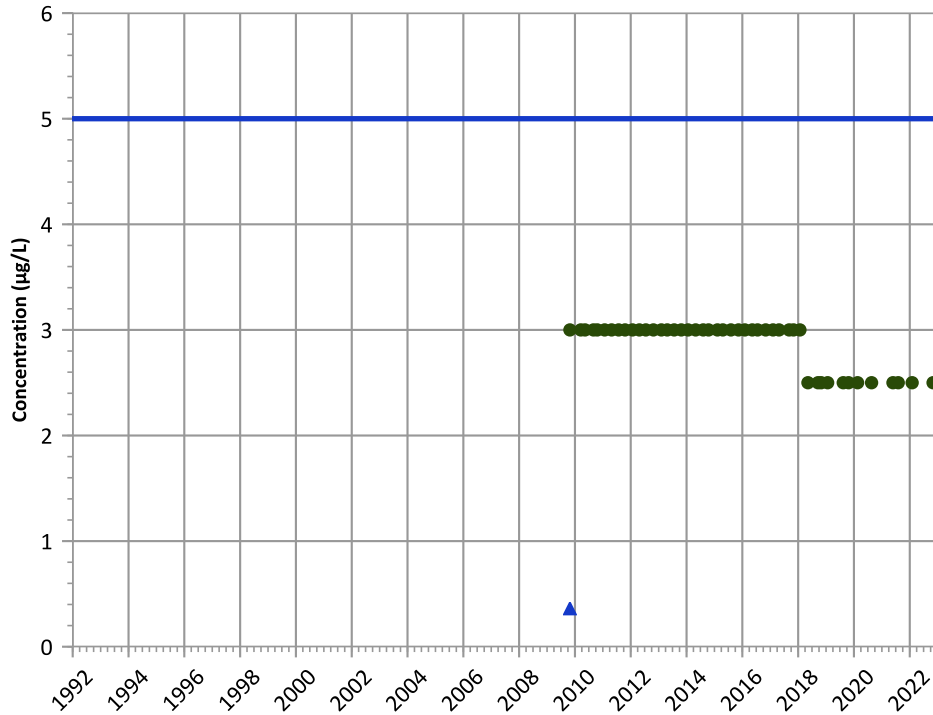


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

**1,2-Dichloroethane Trend**

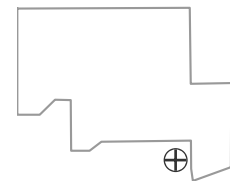


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

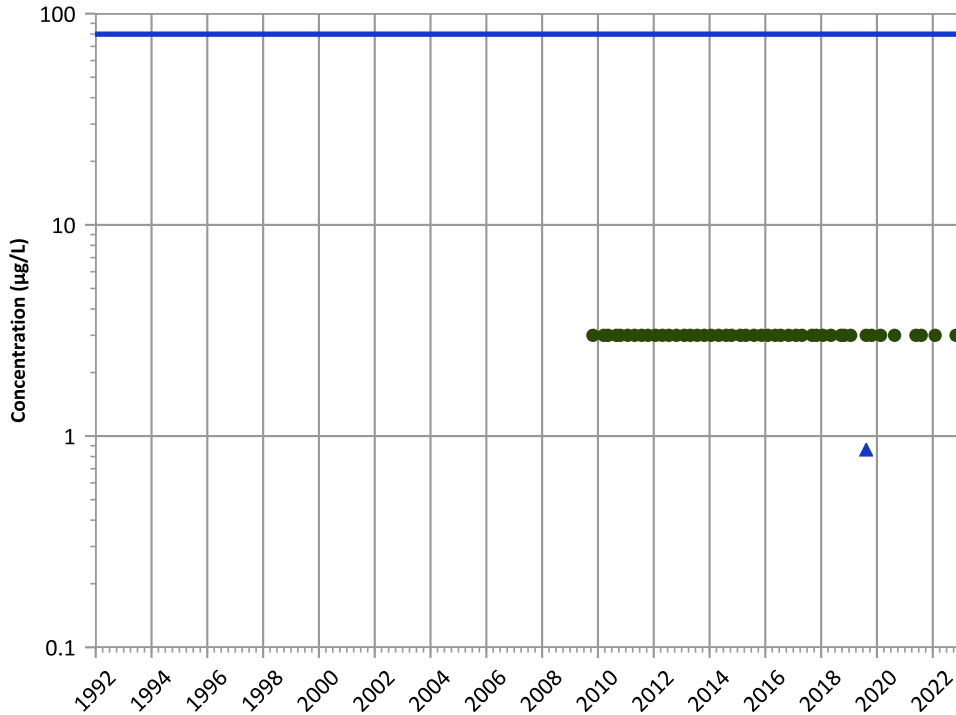
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

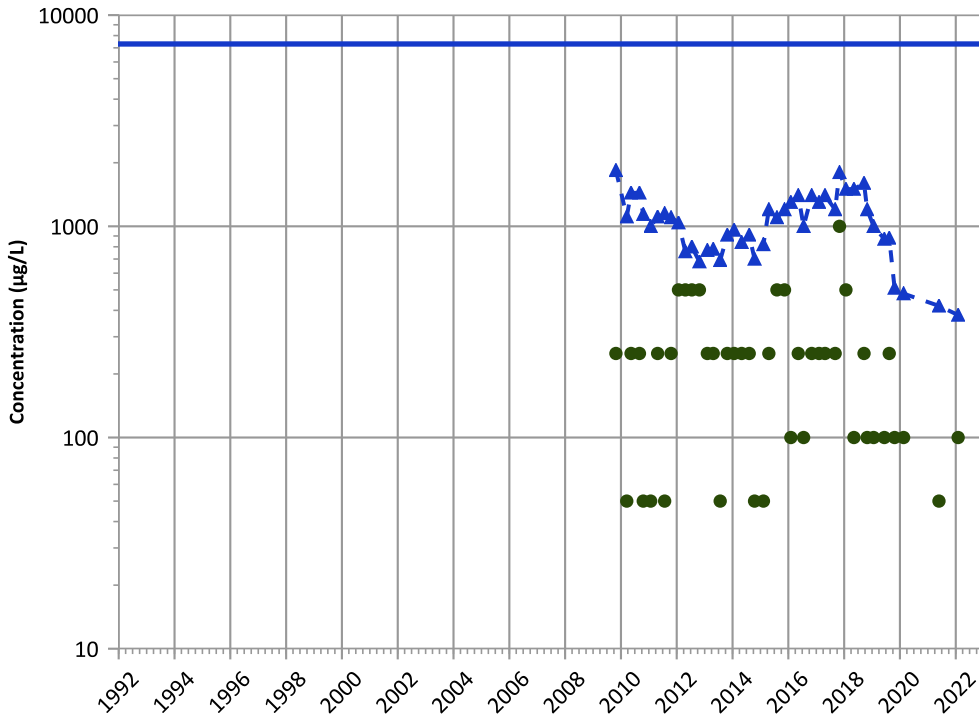


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

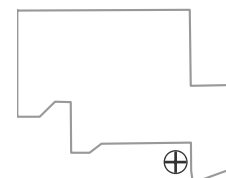
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

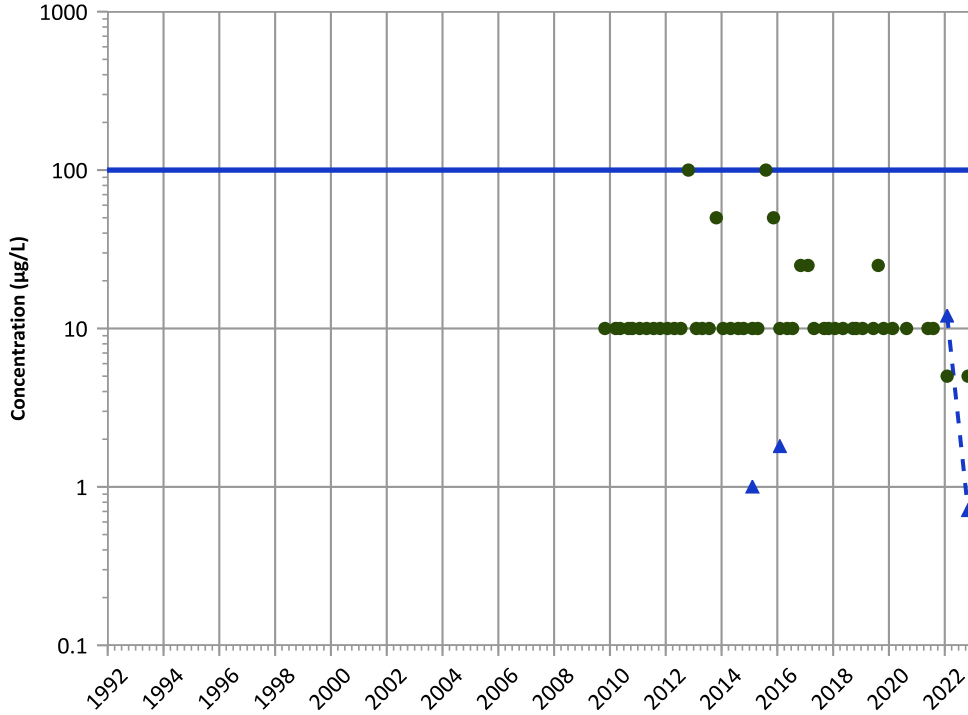
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

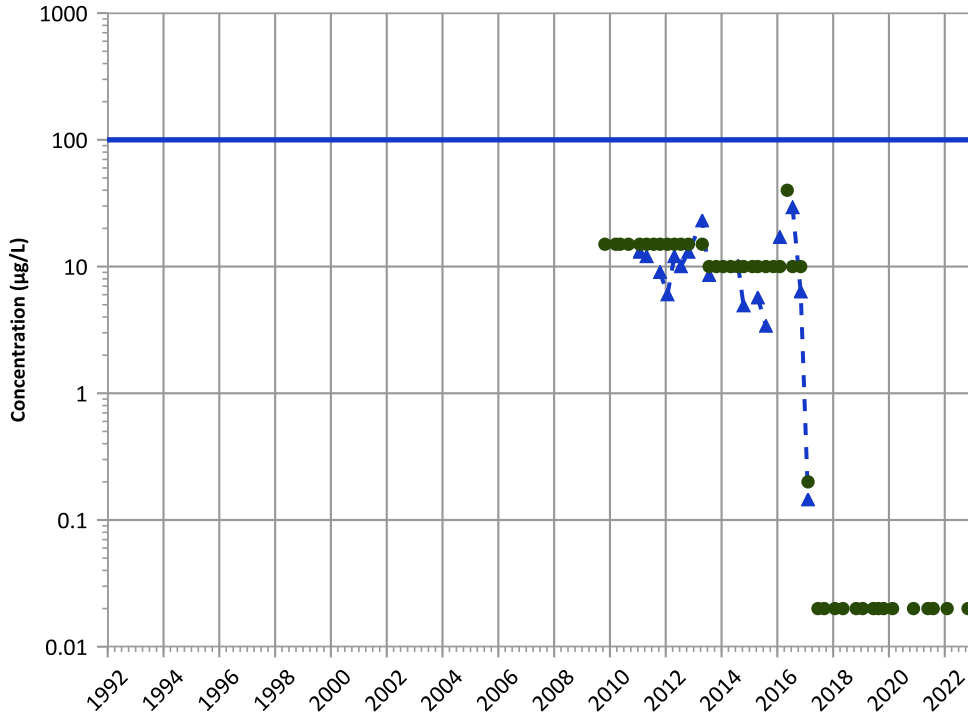


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Chromium, Hexavalent Trend

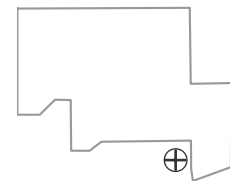


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Well Location

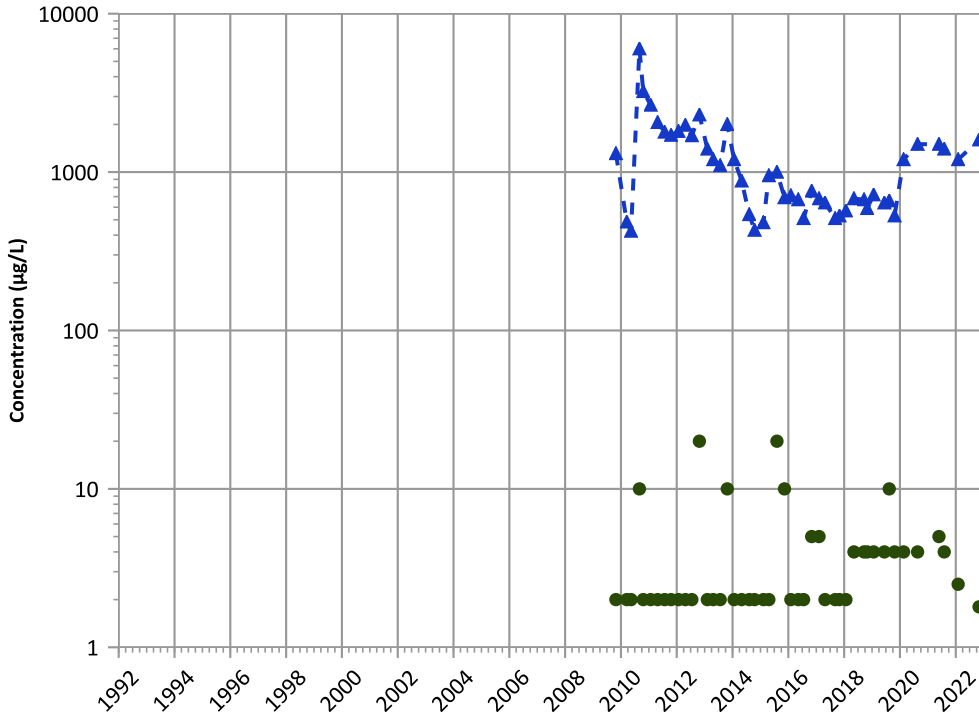


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

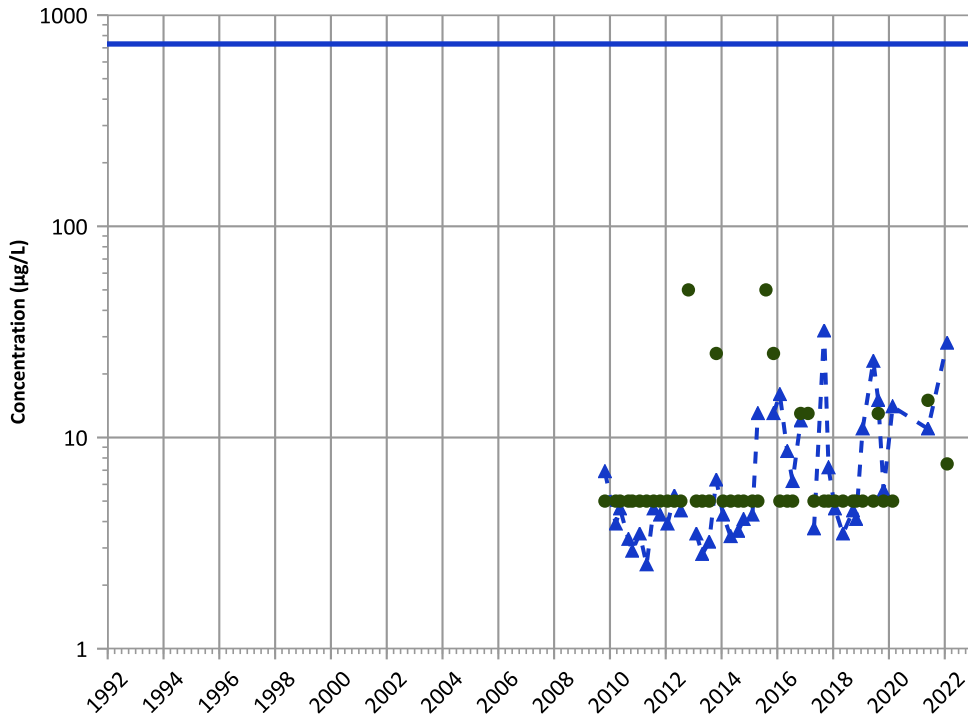


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Nickel Trend

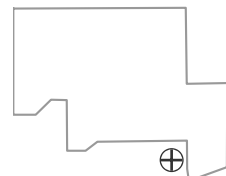


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Well Location

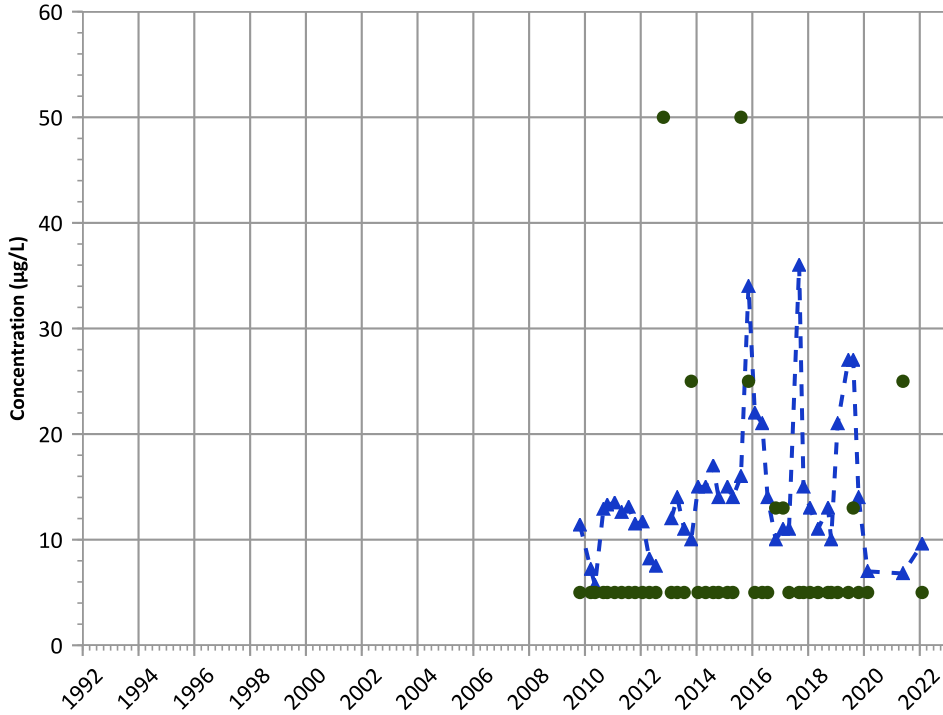


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend

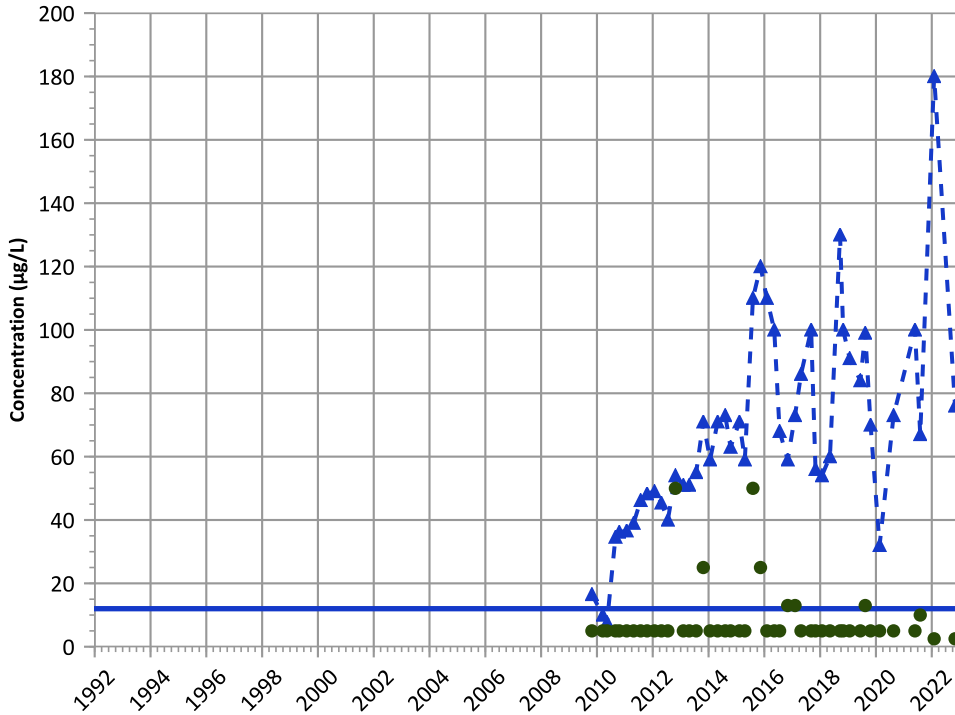


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

Arsenic Trend

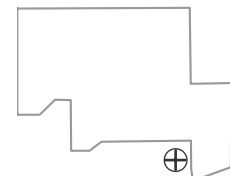


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Well Location

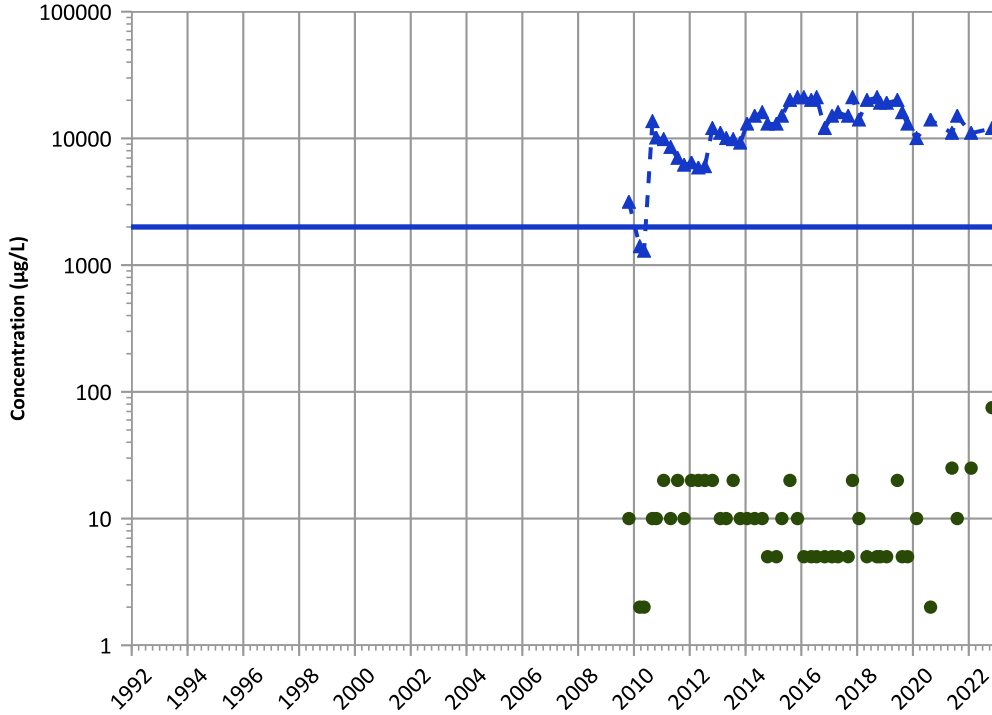


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

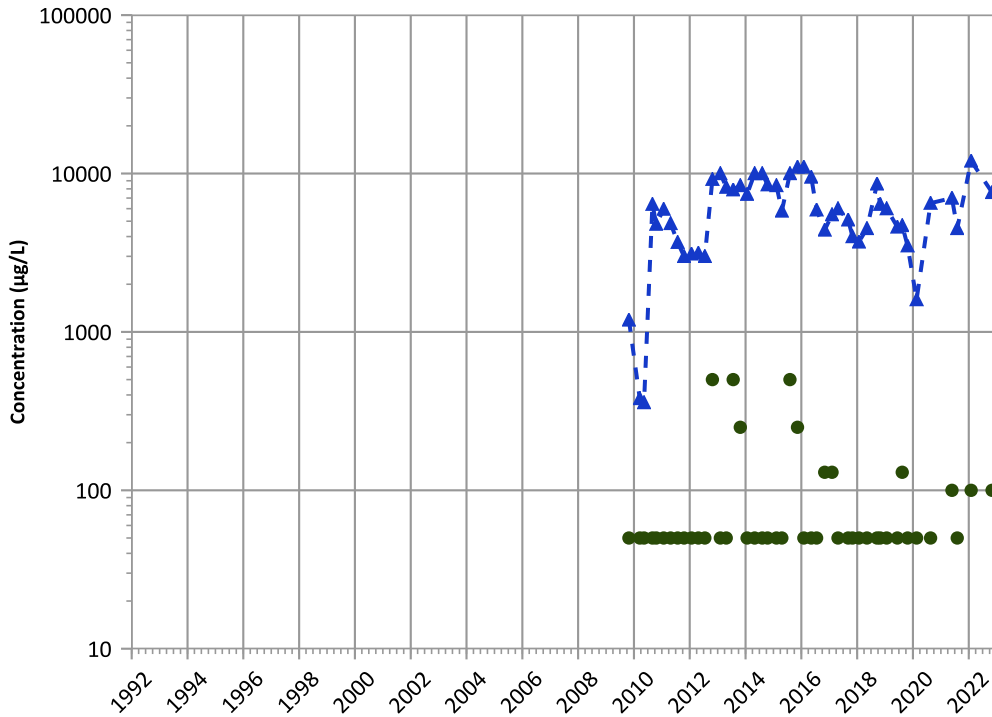
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

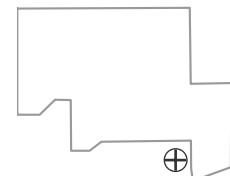
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Well Location

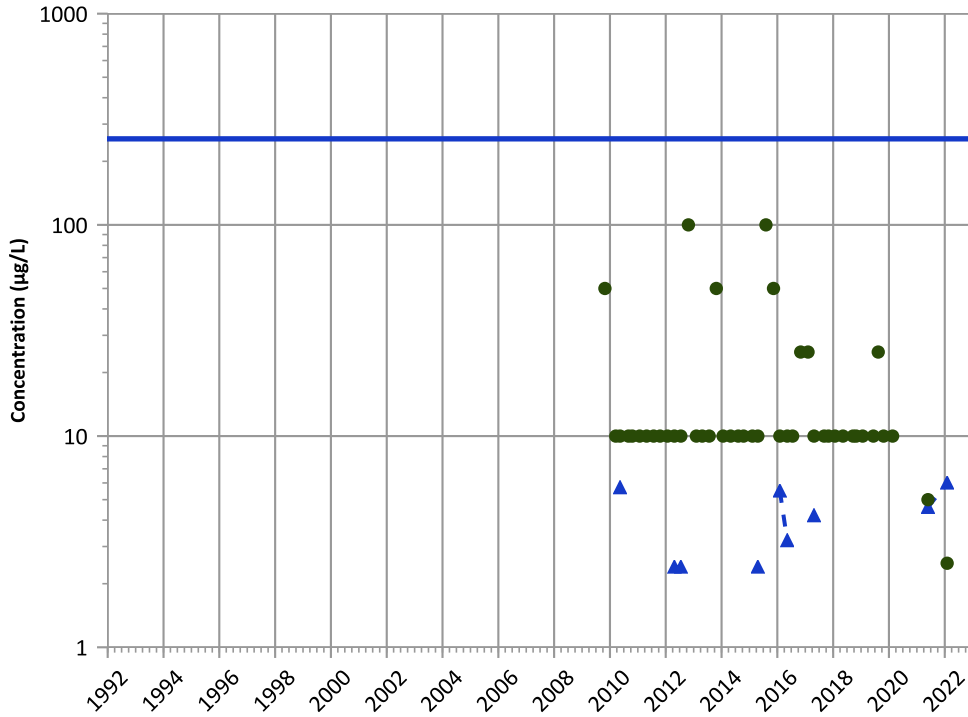


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1154 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend

2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

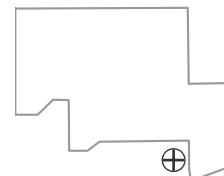
Data (7/2009 - 12/2022):  
No Trend

2020 - 2022 Data:  
Increasing

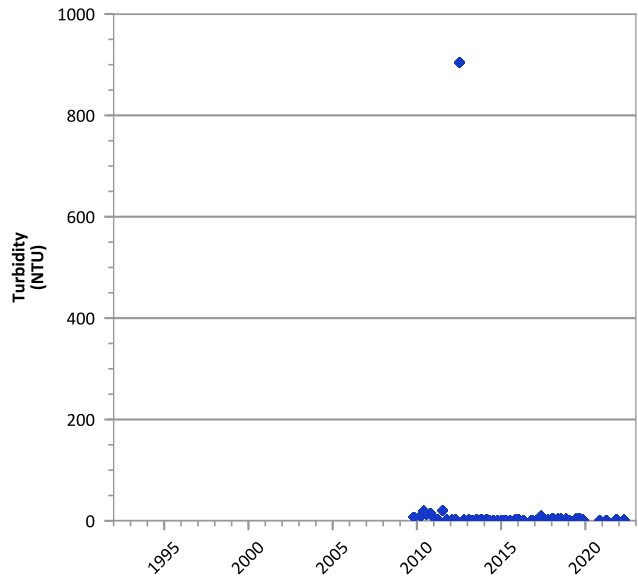
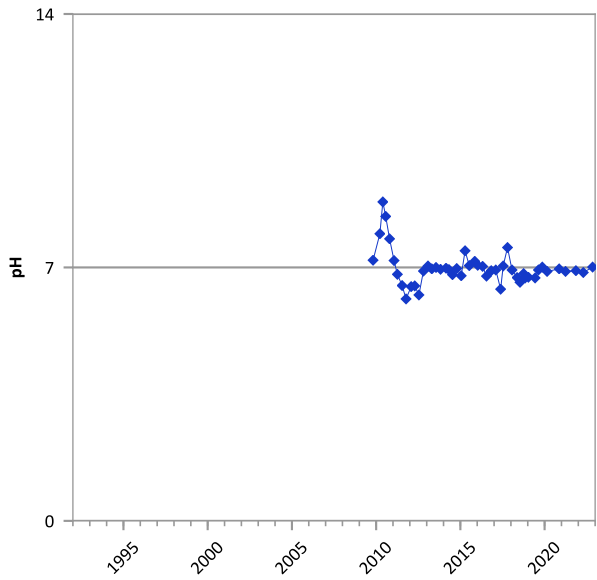
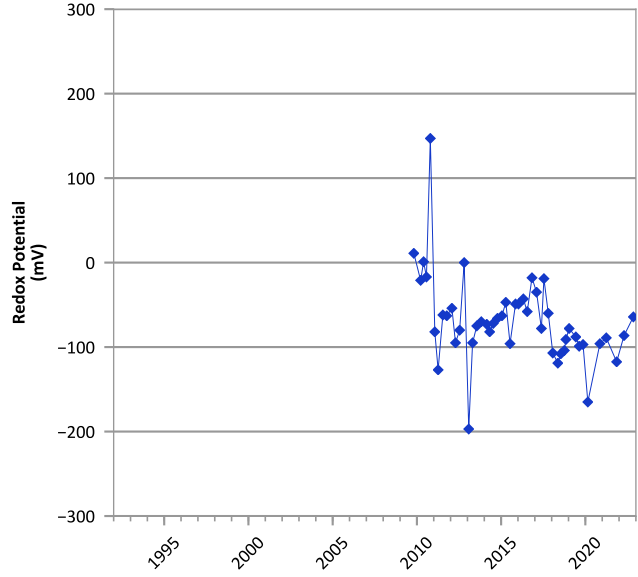
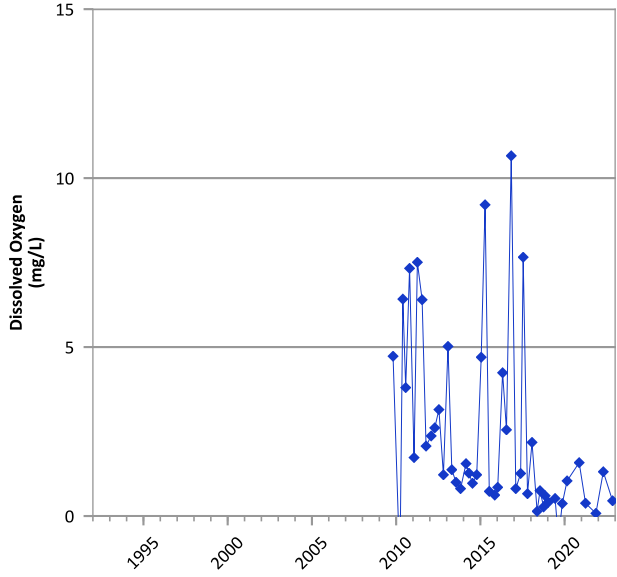
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/27/2009 to 11/02/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

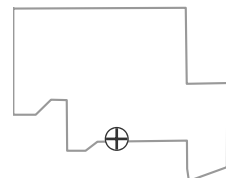


**PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



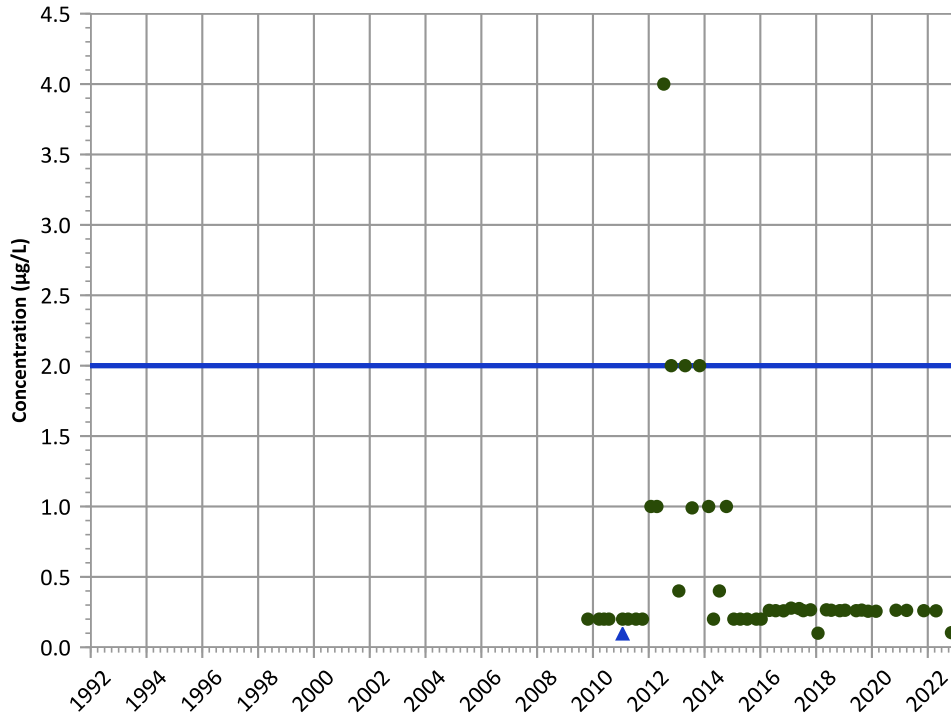
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/26/2009 to 11/07/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

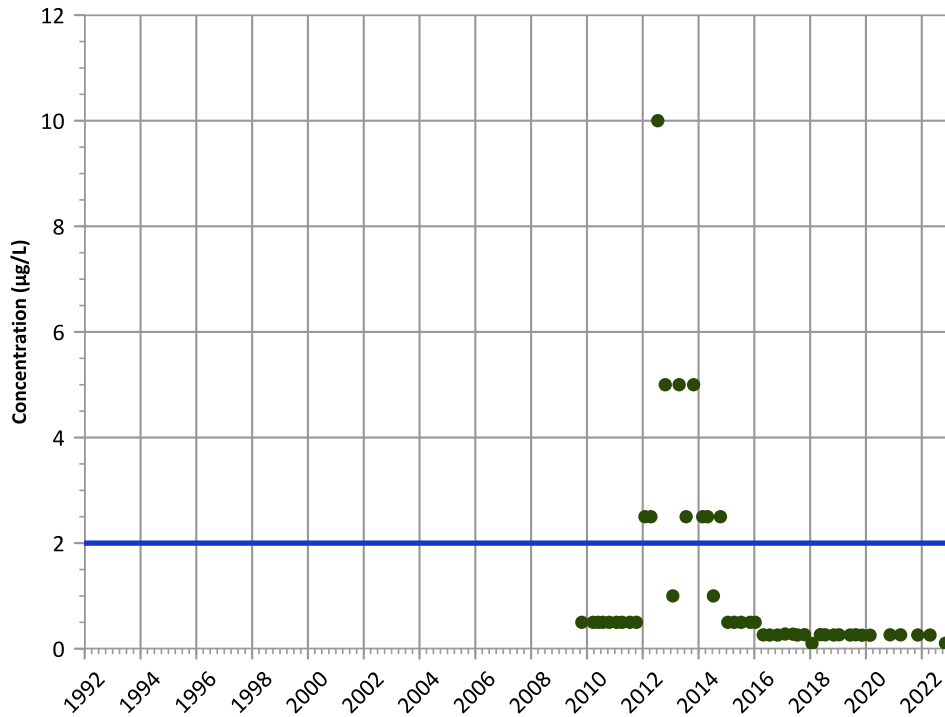


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

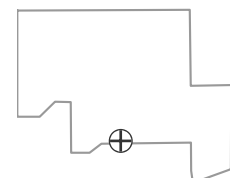


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

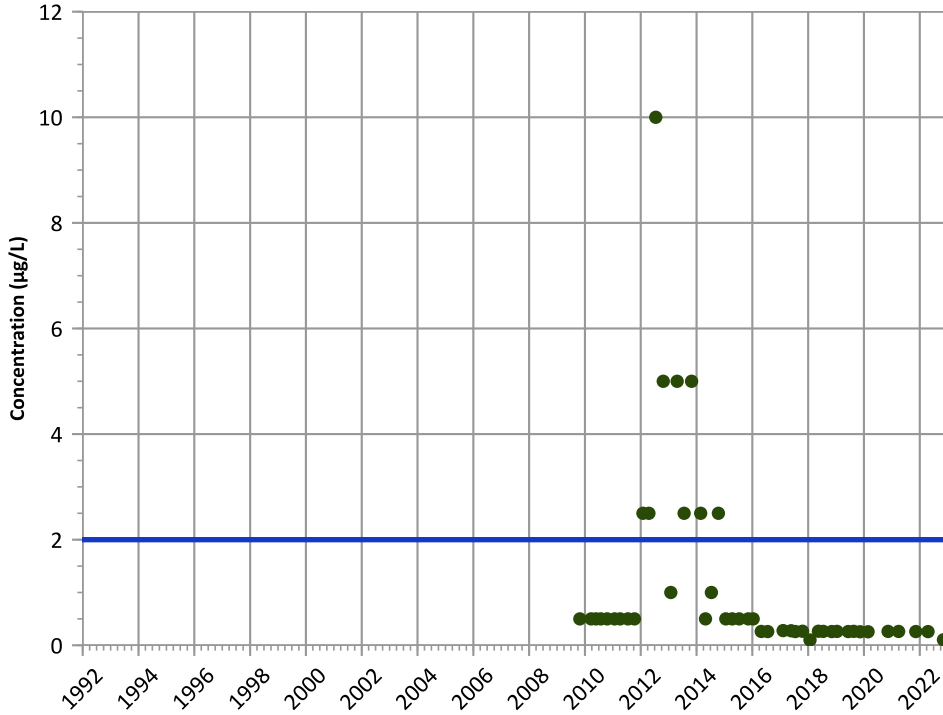


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

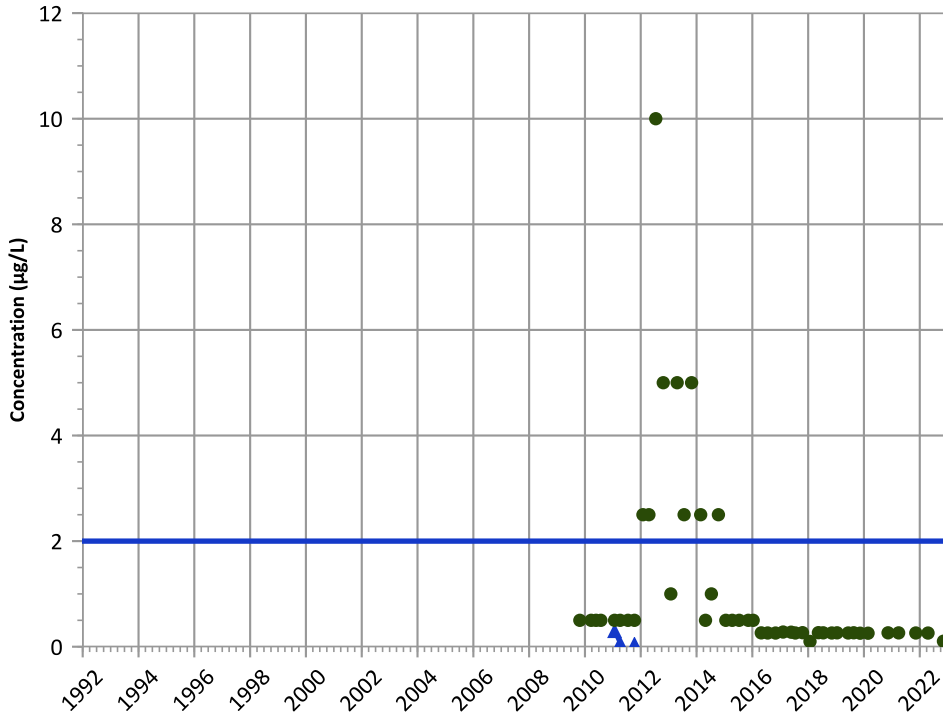


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

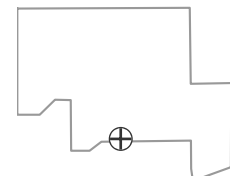
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

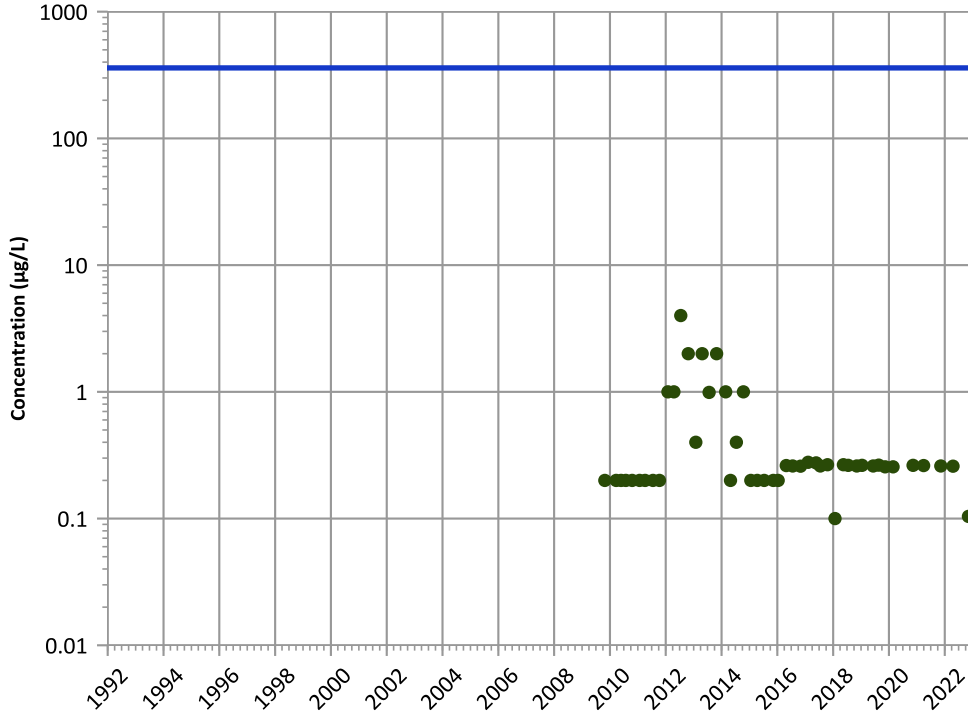
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

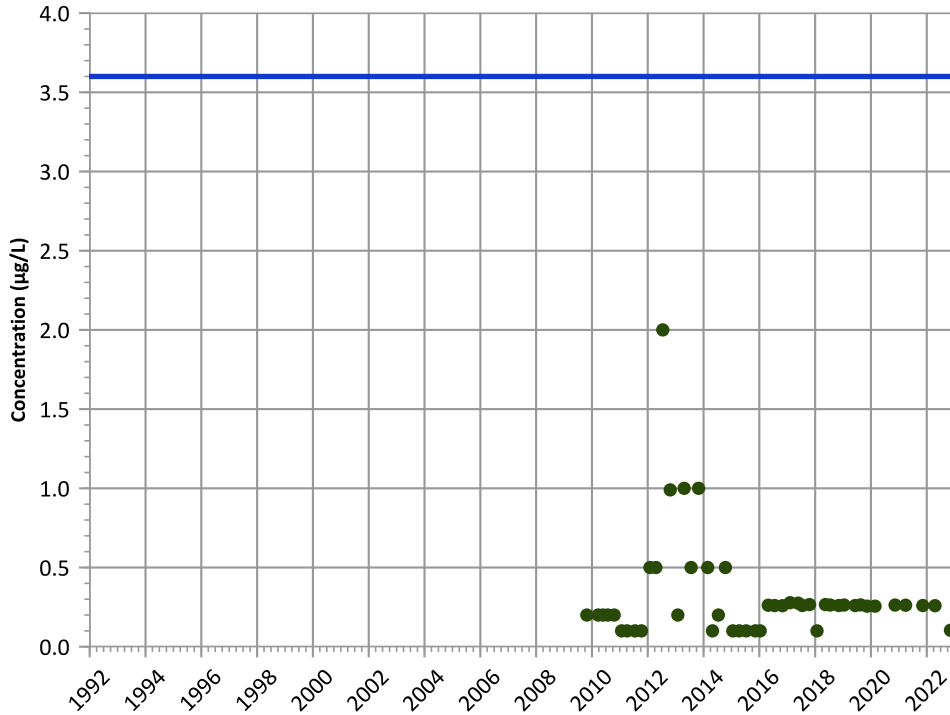
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

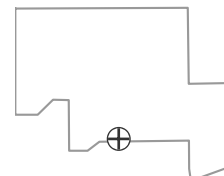
2020 - 2022 Data:

All Non-Detect

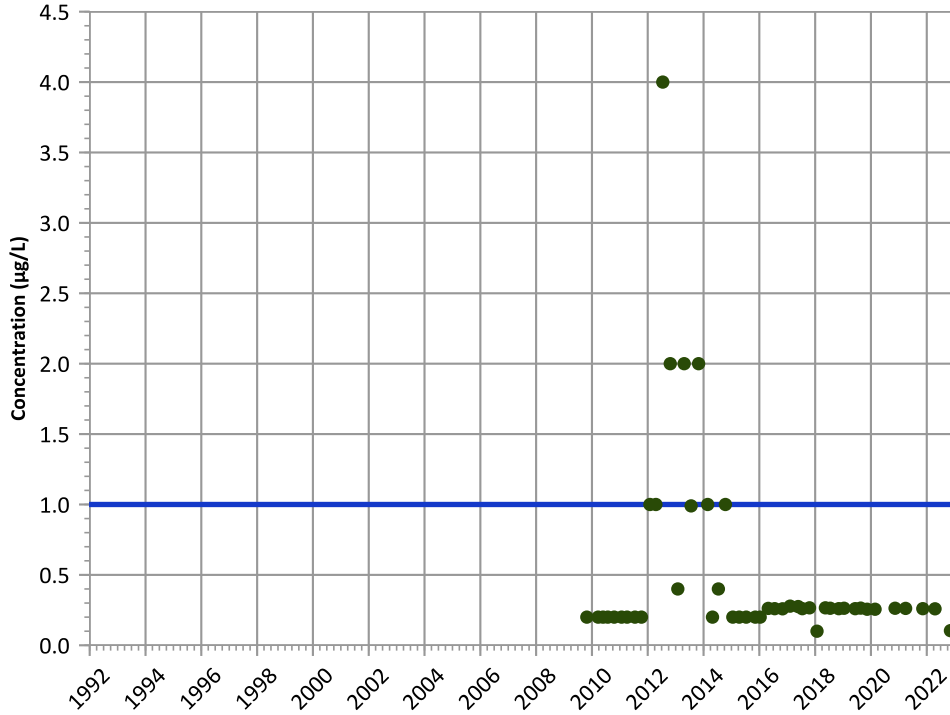
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

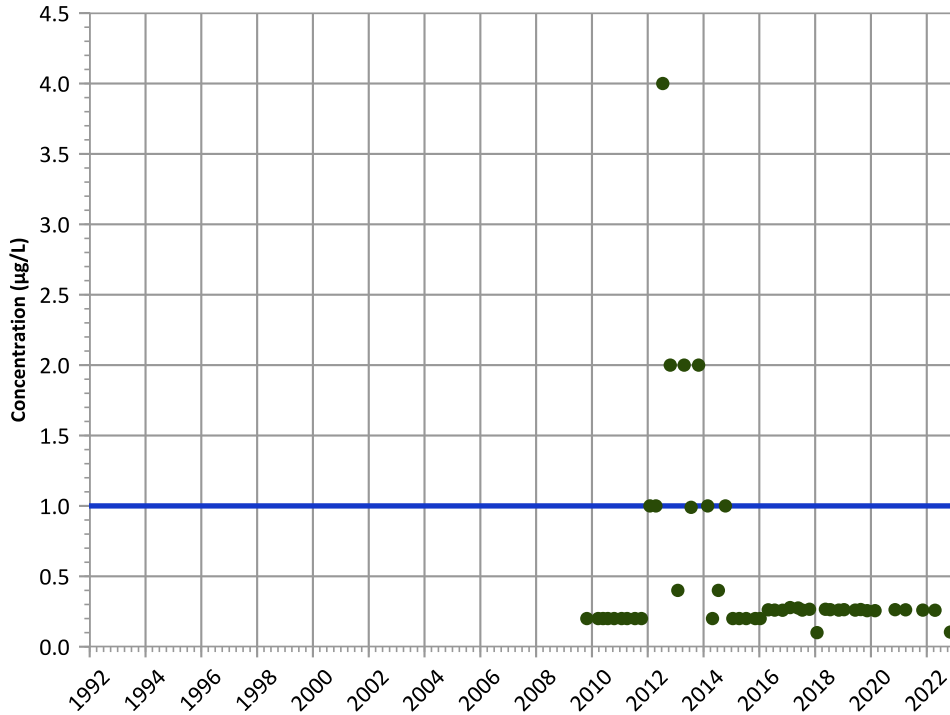


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

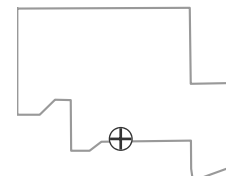
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

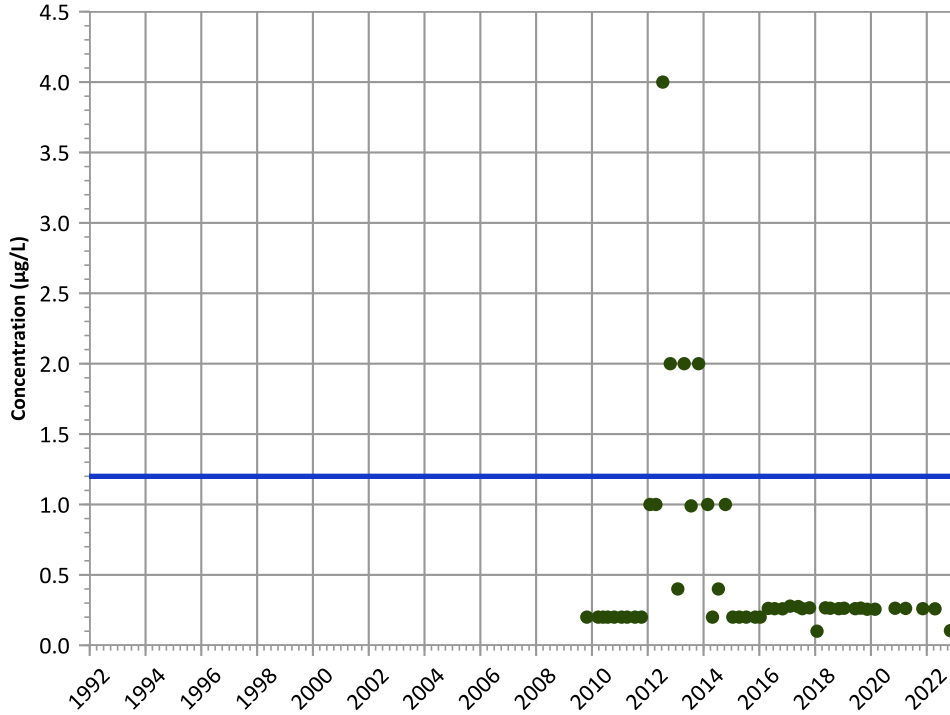
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

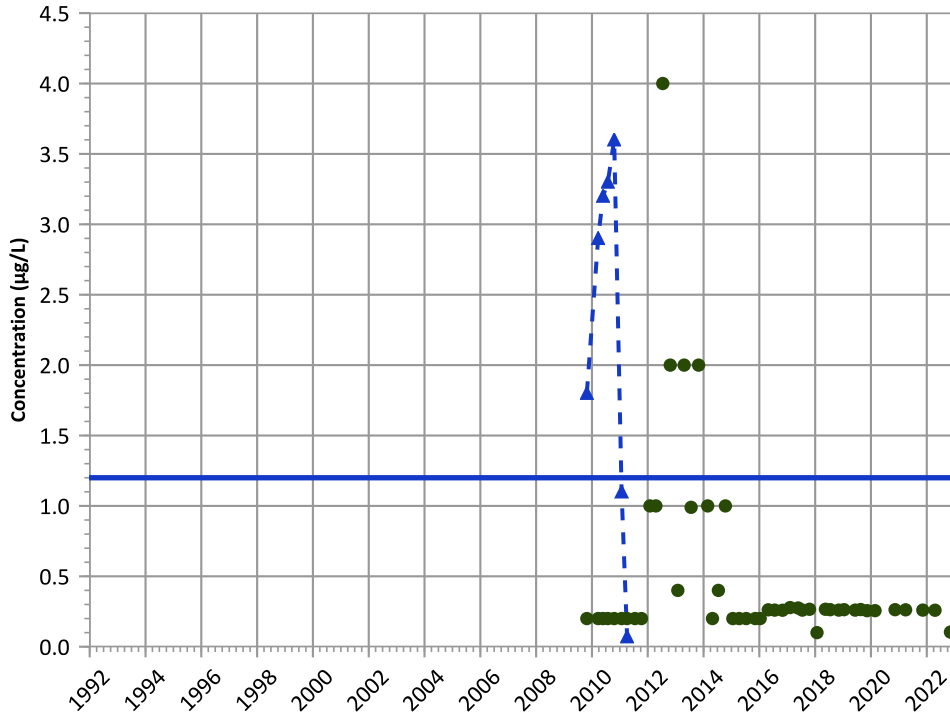
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Probably Decreasing

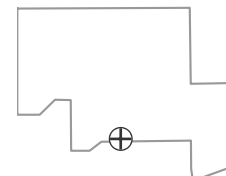
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

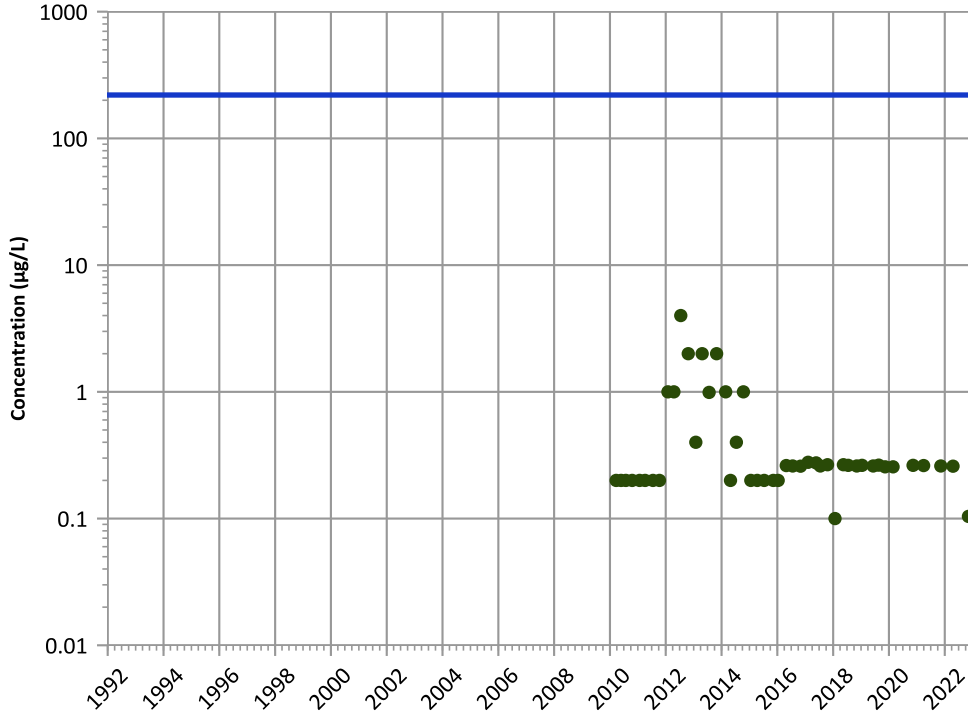
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

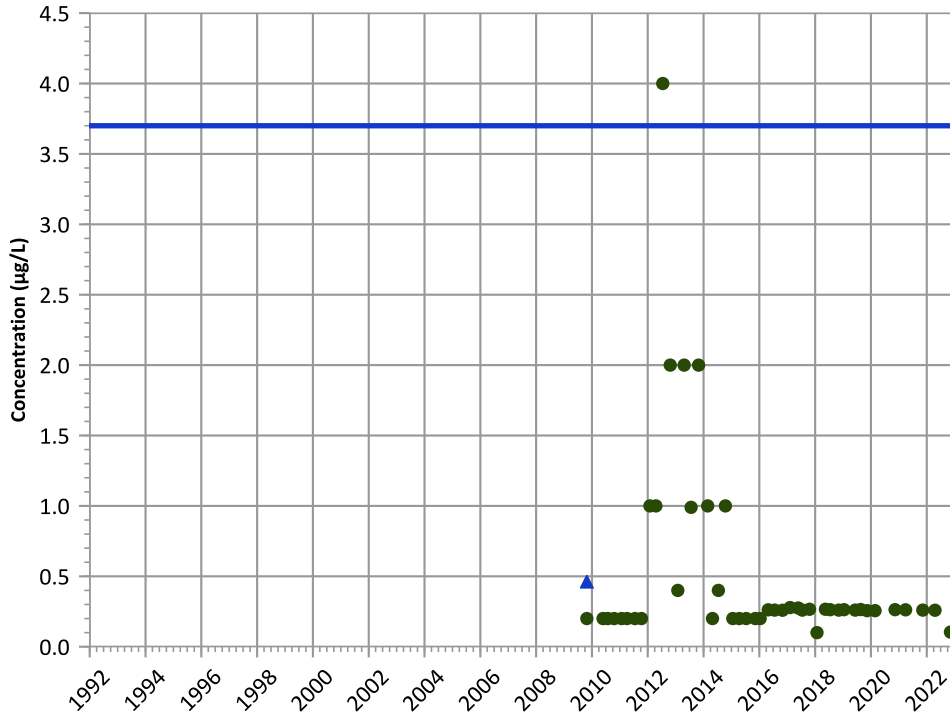


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

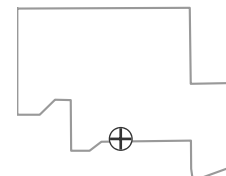
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

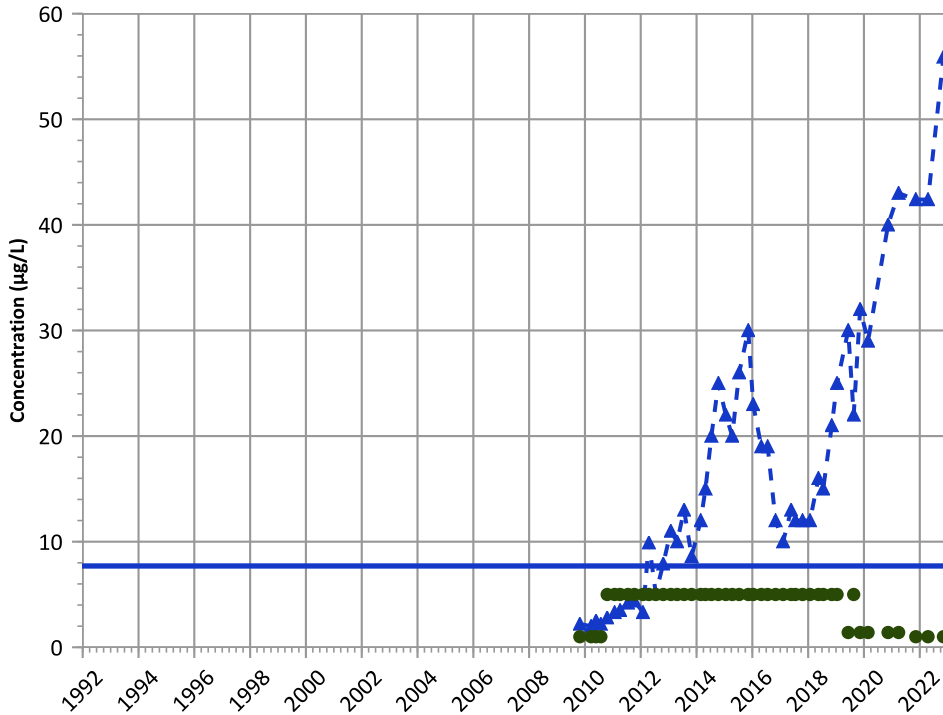
Well Location





PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

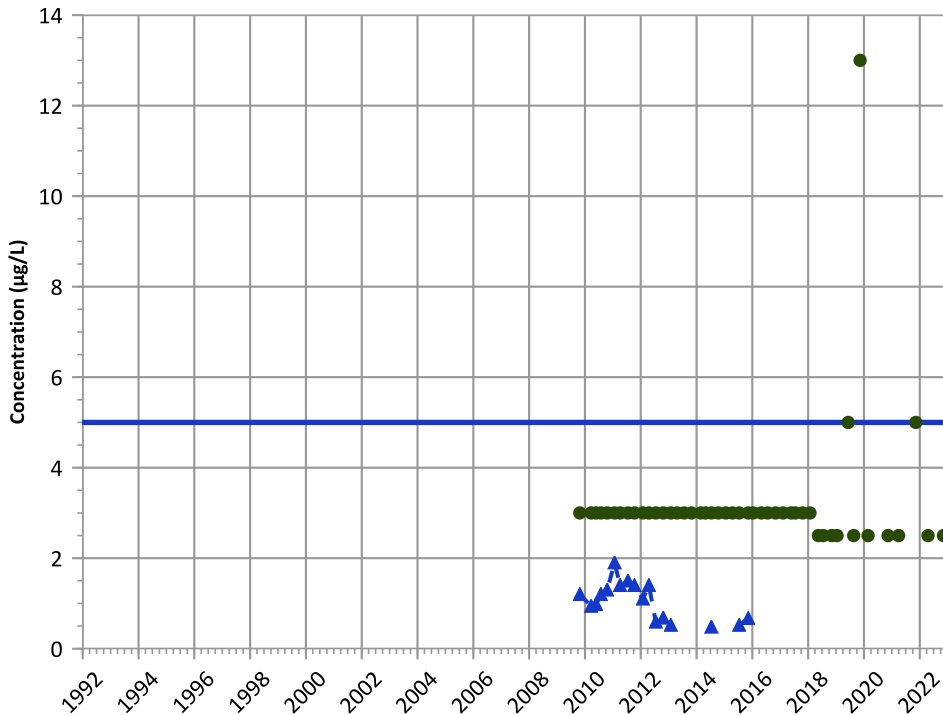


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Tetrachloroethylene (PCE) Trend

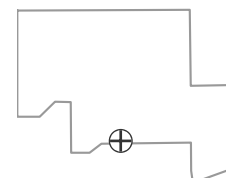


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

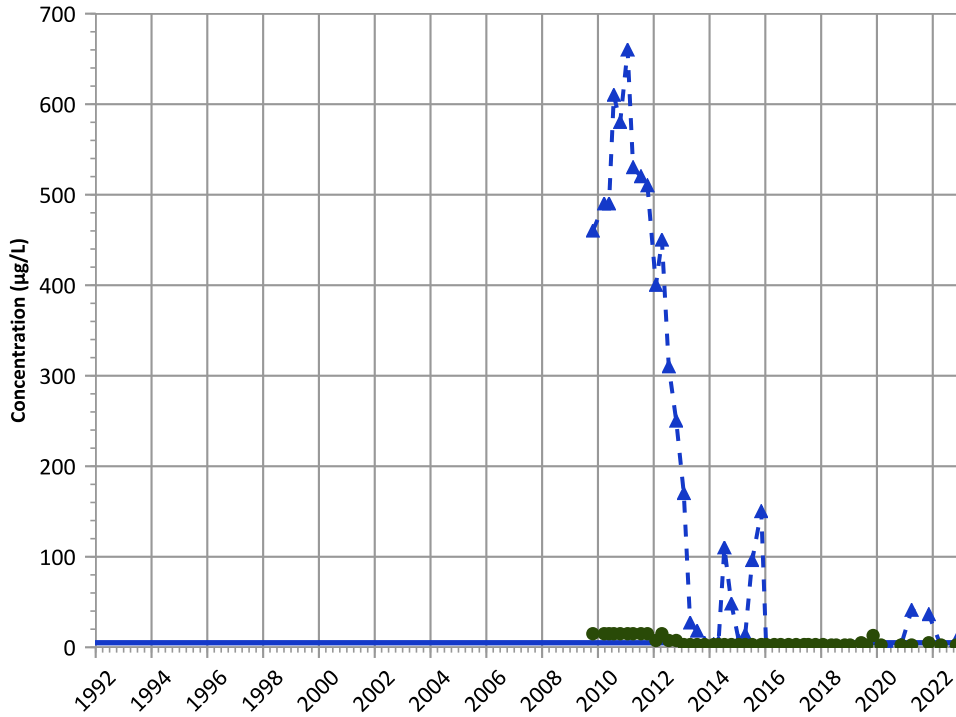


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

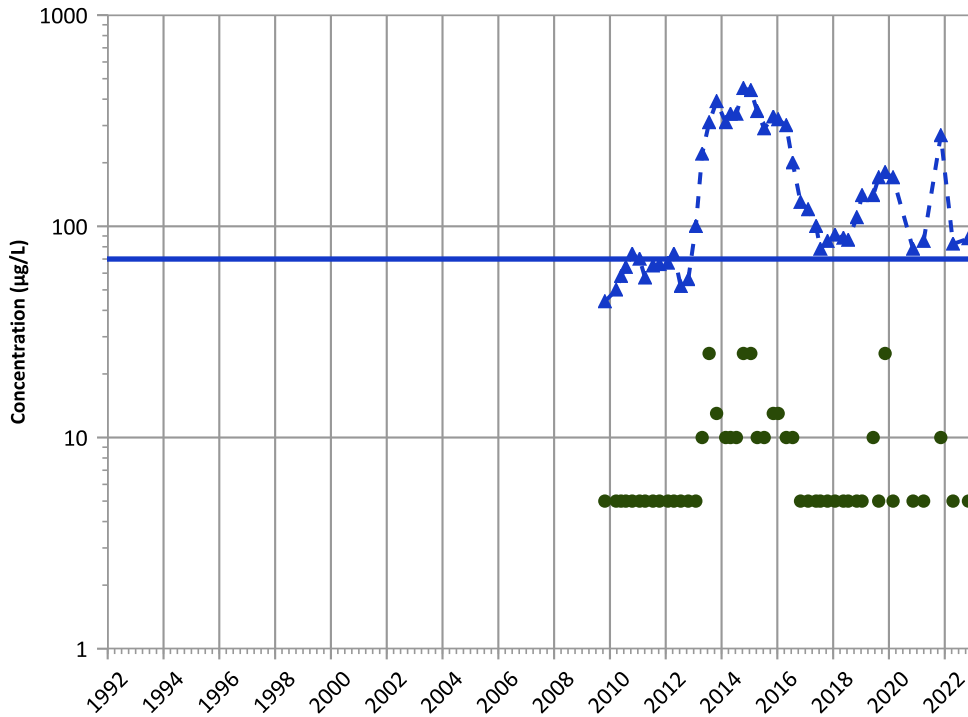


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

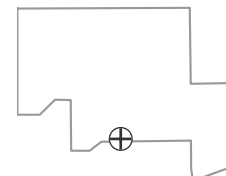
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Stable

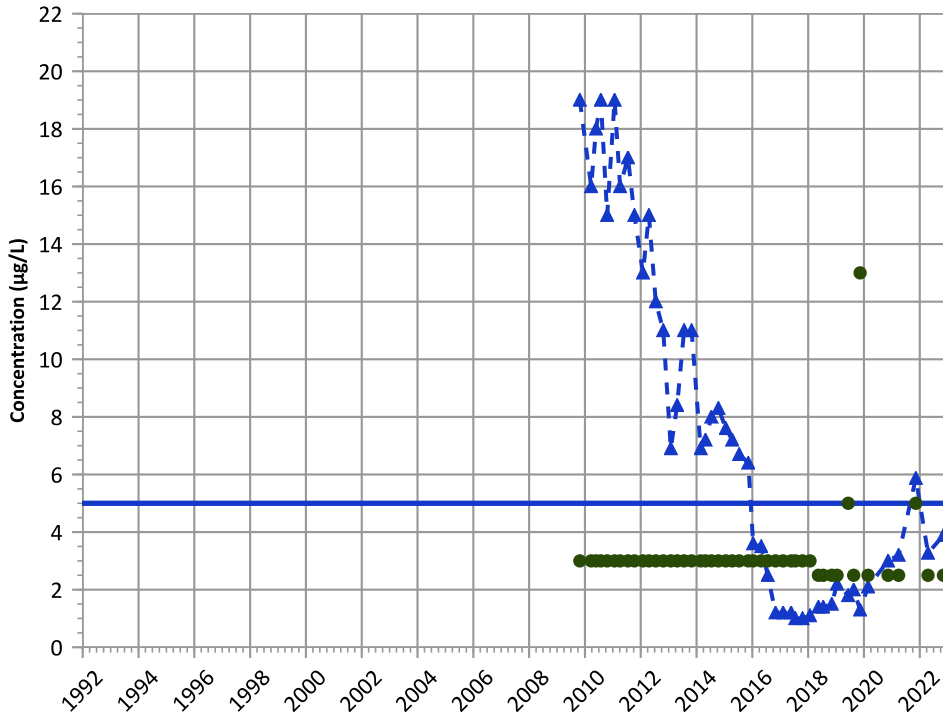
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

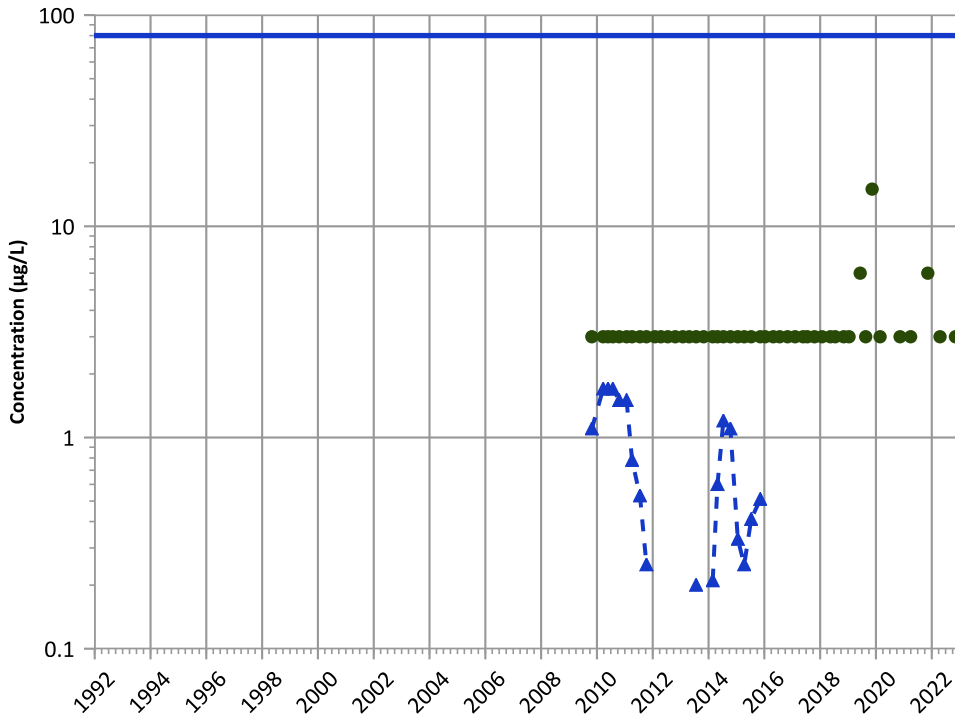


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

**Chloroform Trend**



**Concentration Trend**

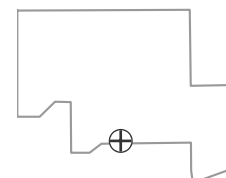
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

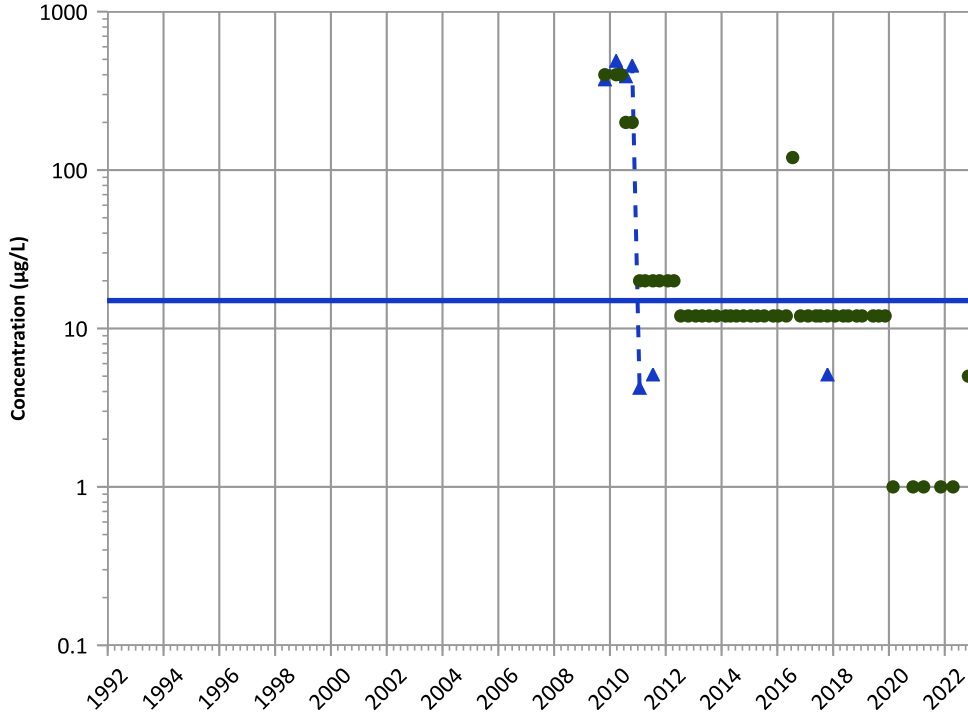
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

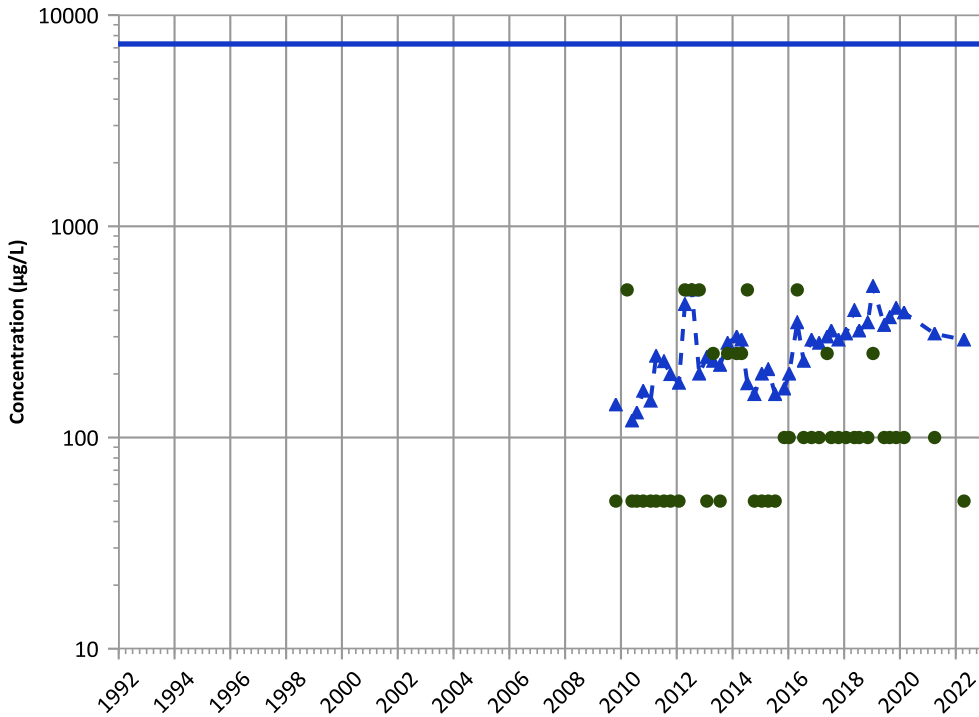


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Boron Trend



Concentration Trend

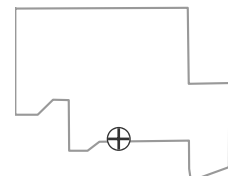
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

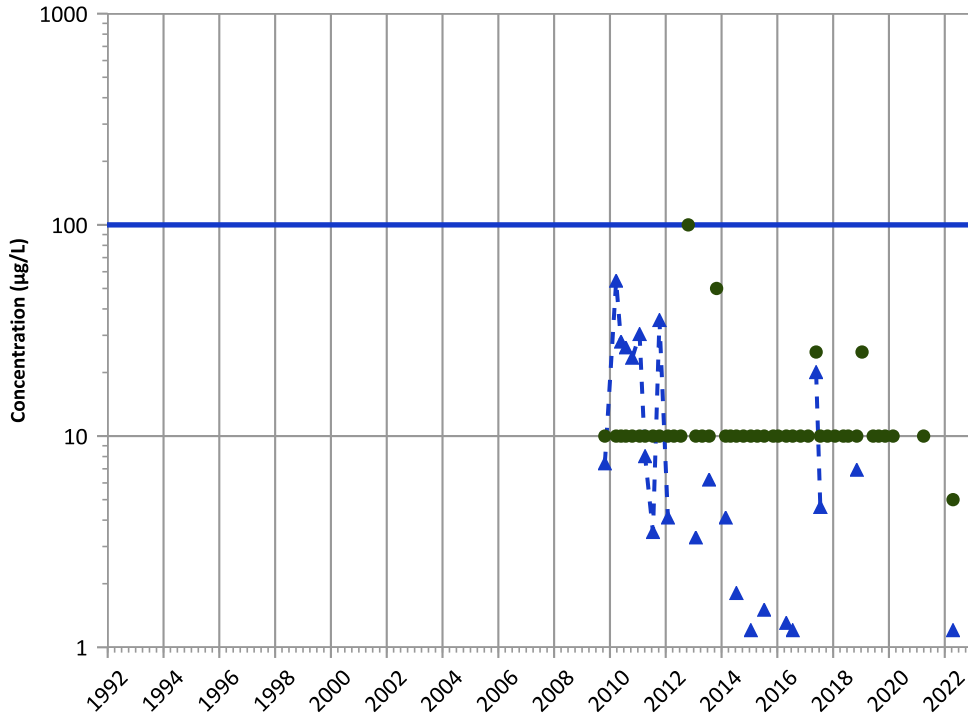
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

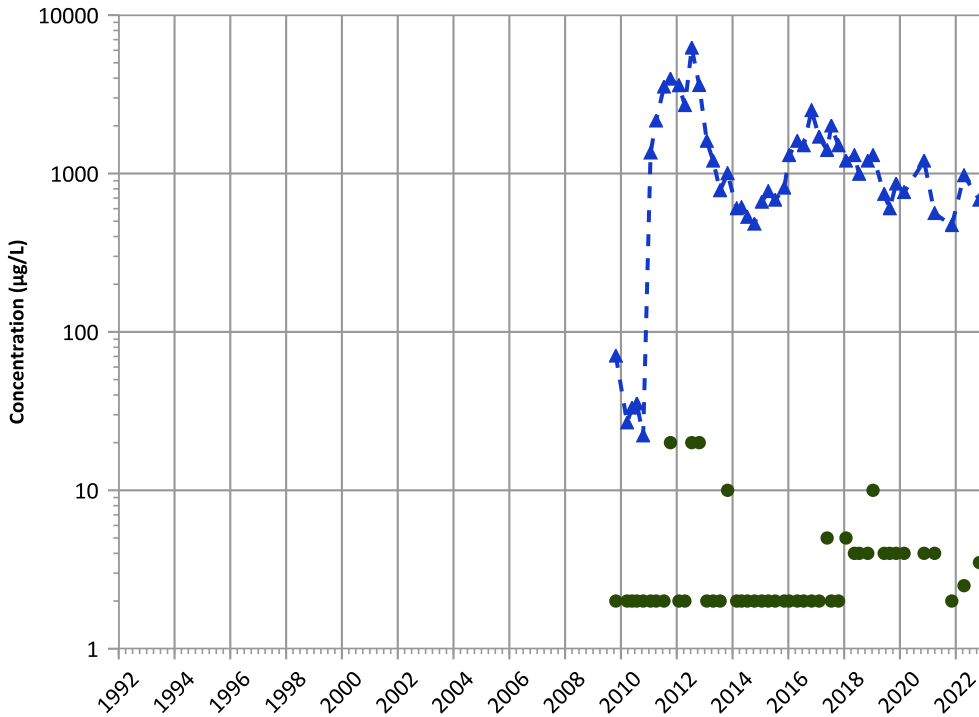


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

**Manganese Trend**



**Concentration Trend**

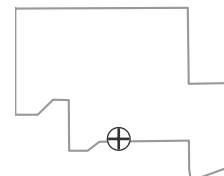
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

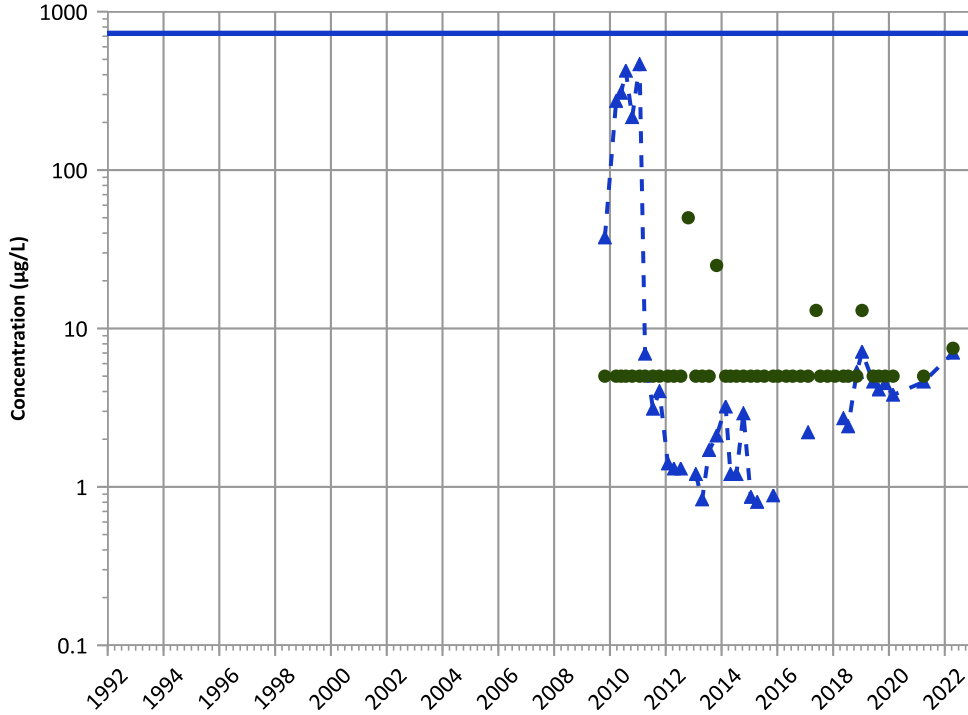
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

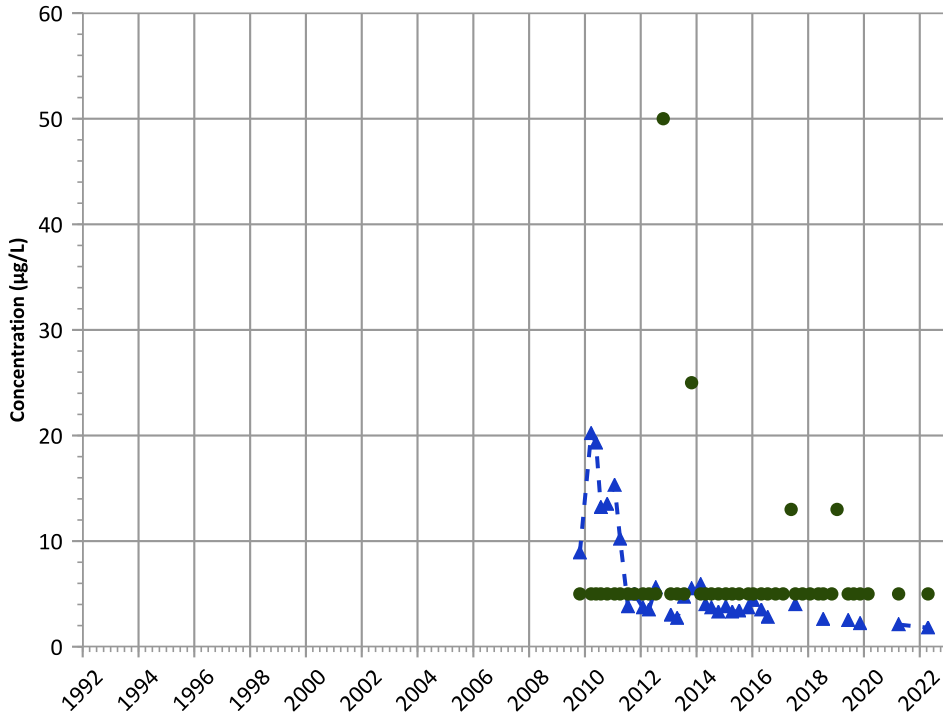


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

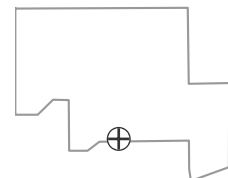
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

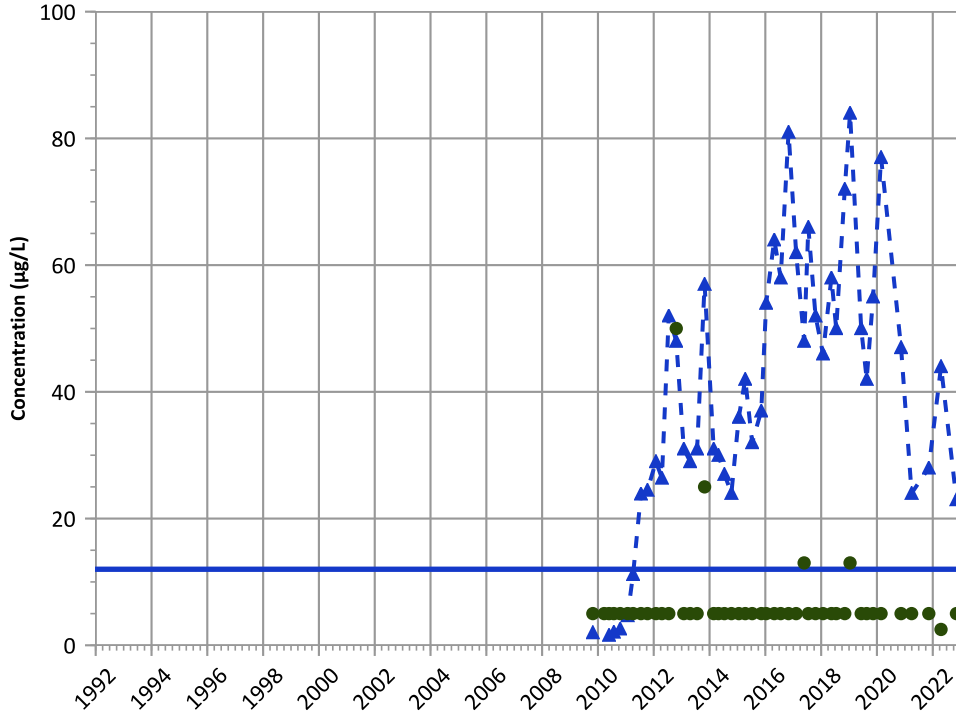
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

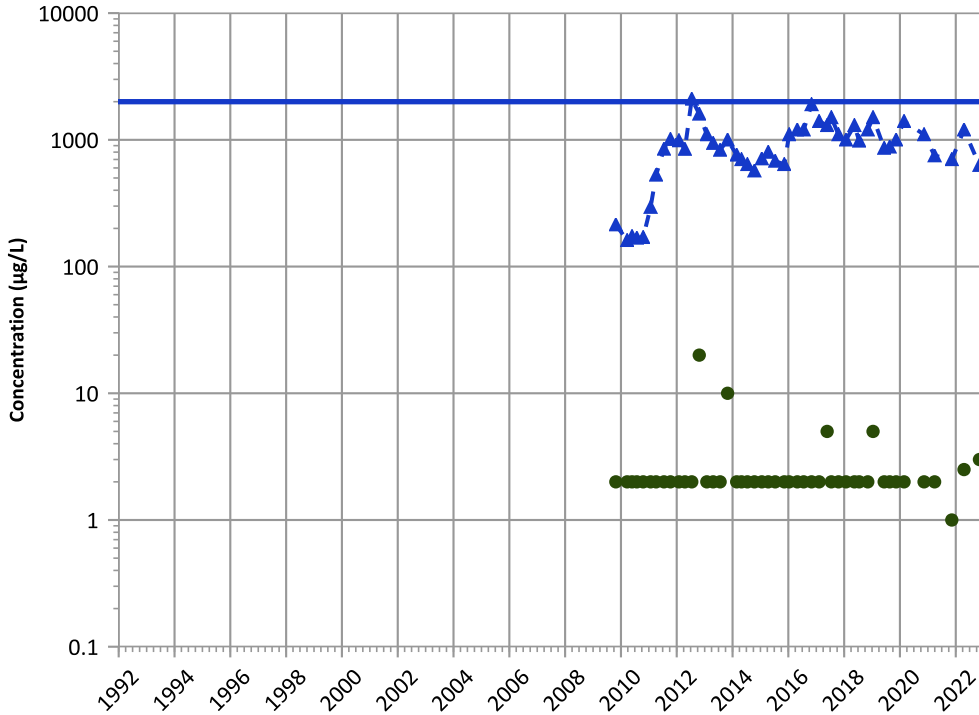
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

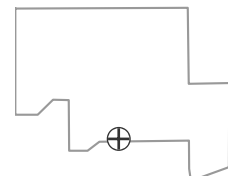
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

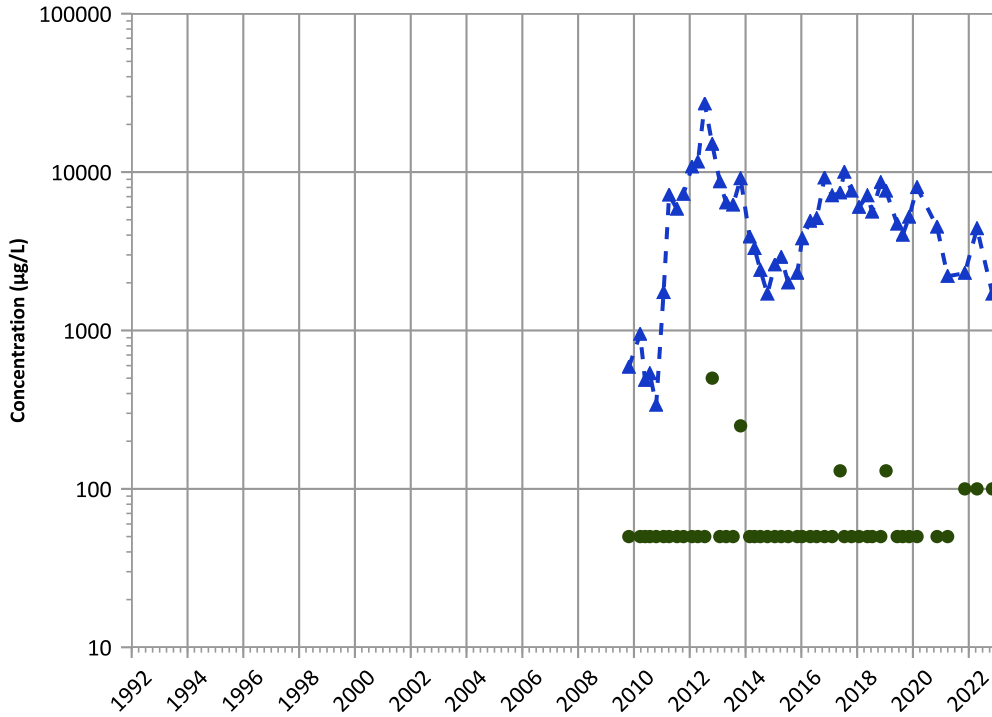
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

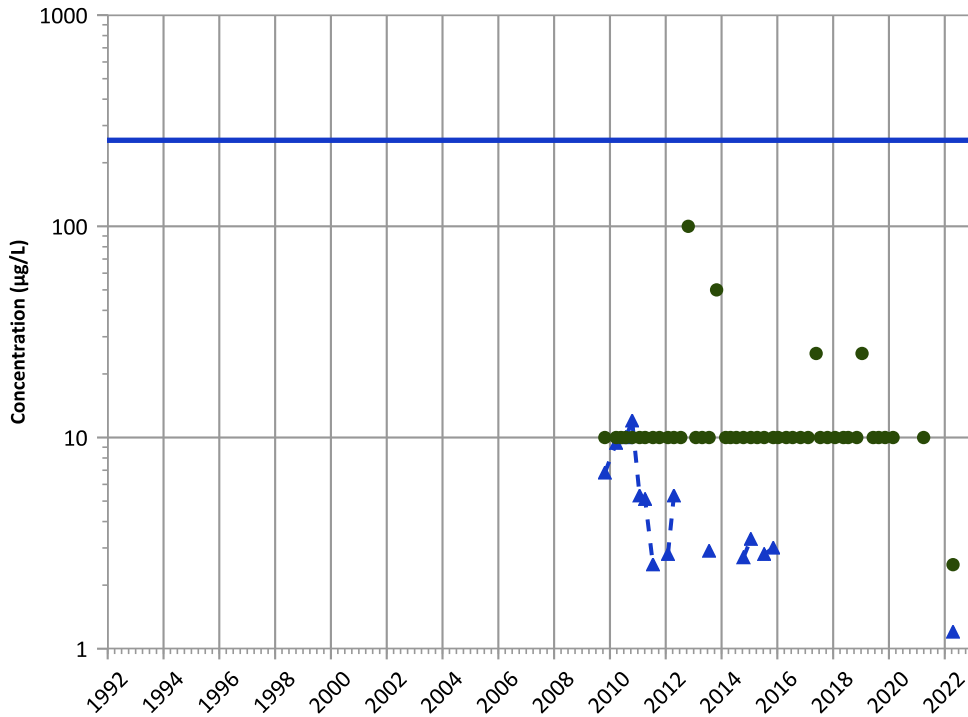


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Vanadium Trend



Concentration Trend

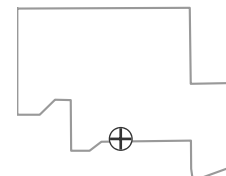
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

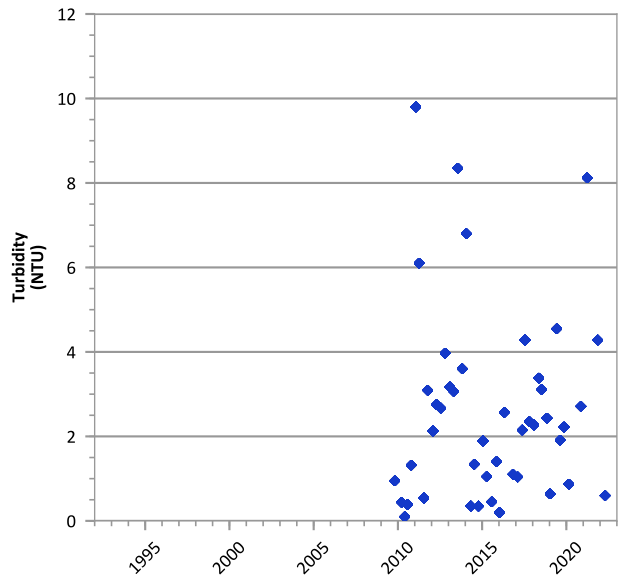
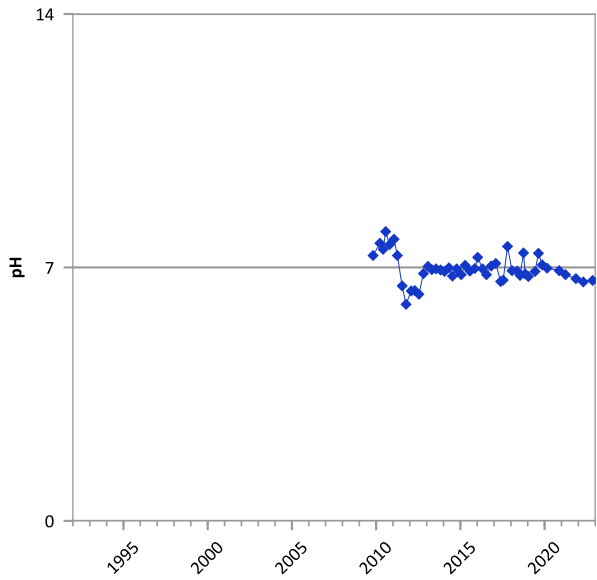
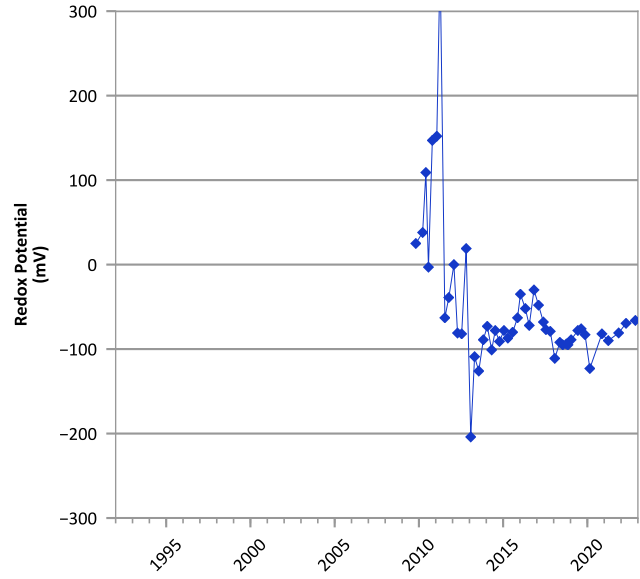
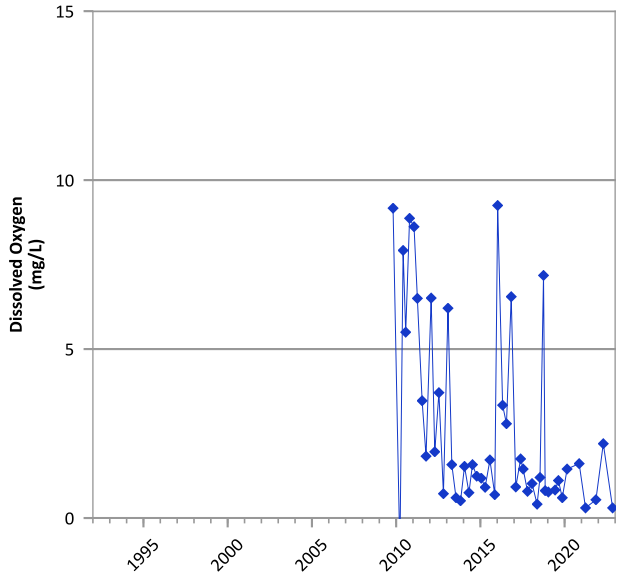
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



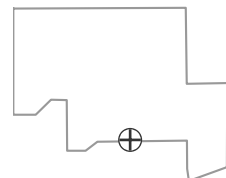


PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters



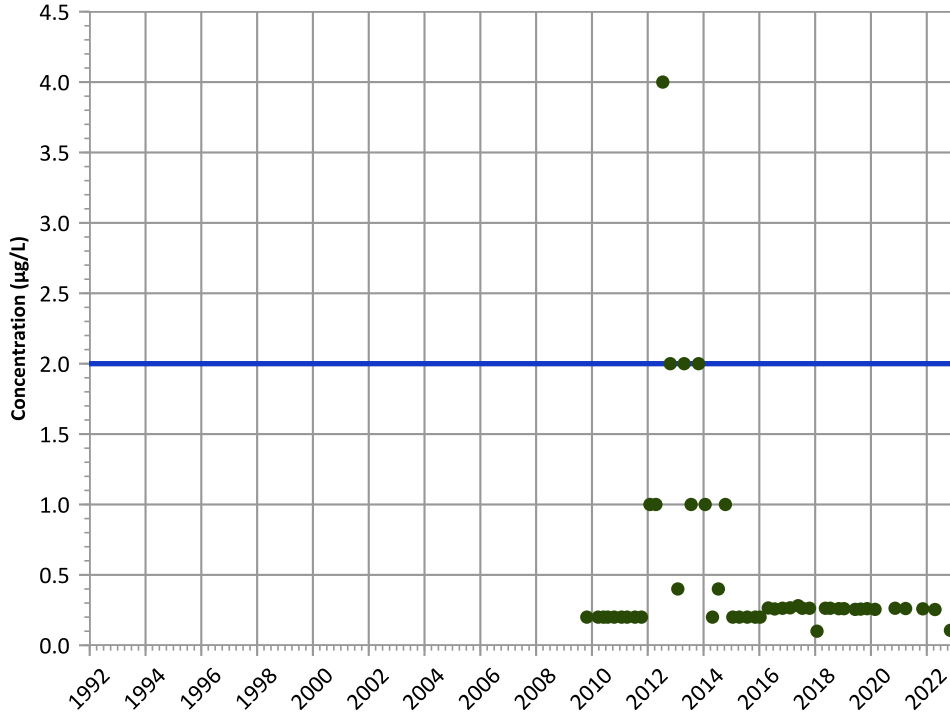
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

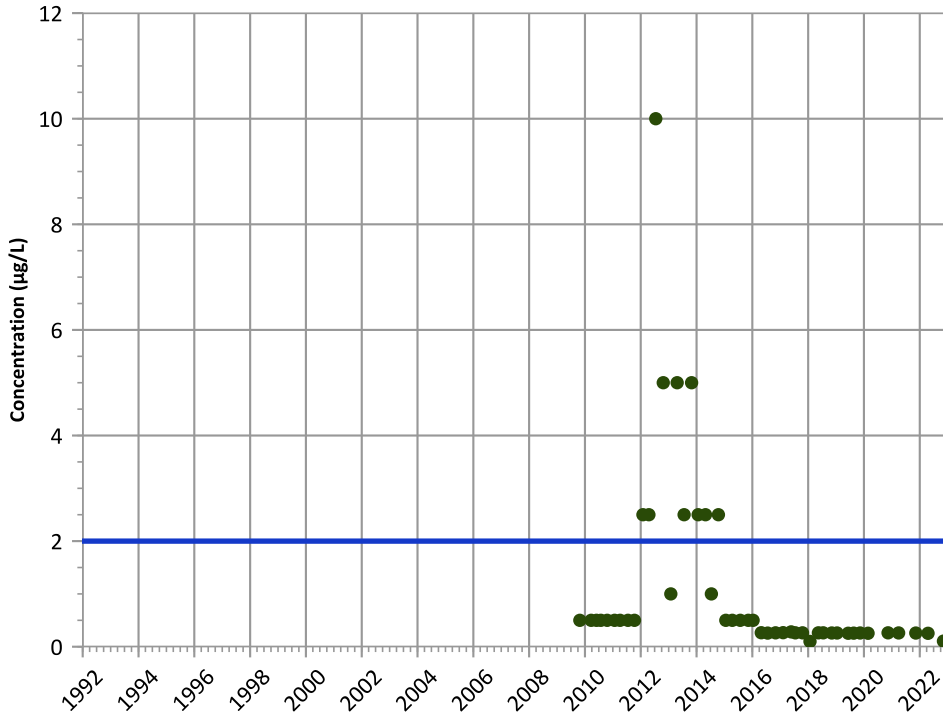
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

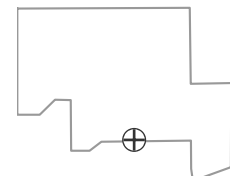
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

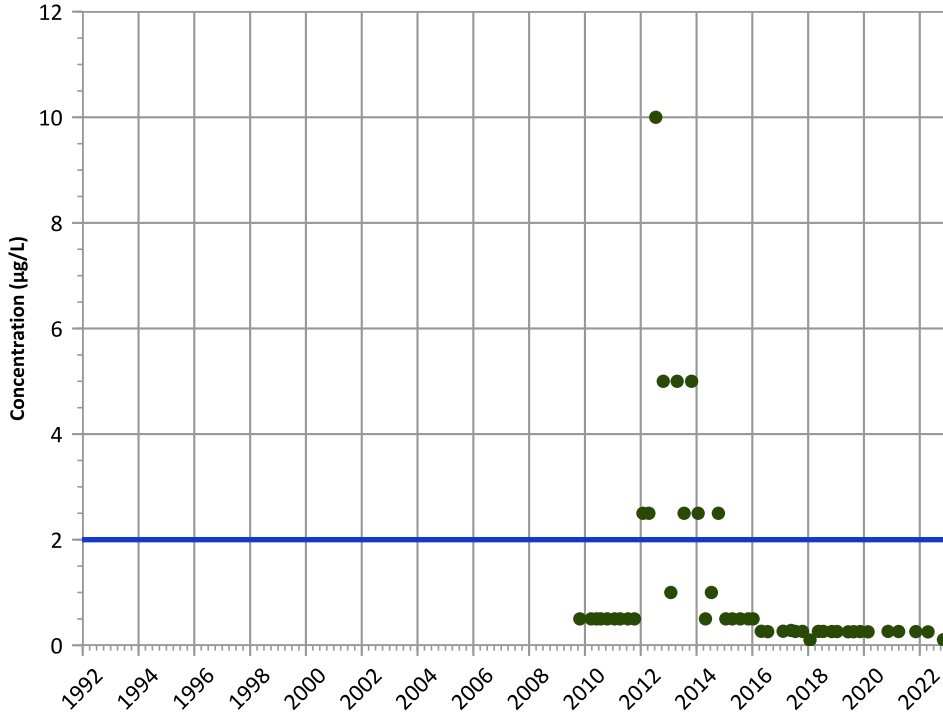
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

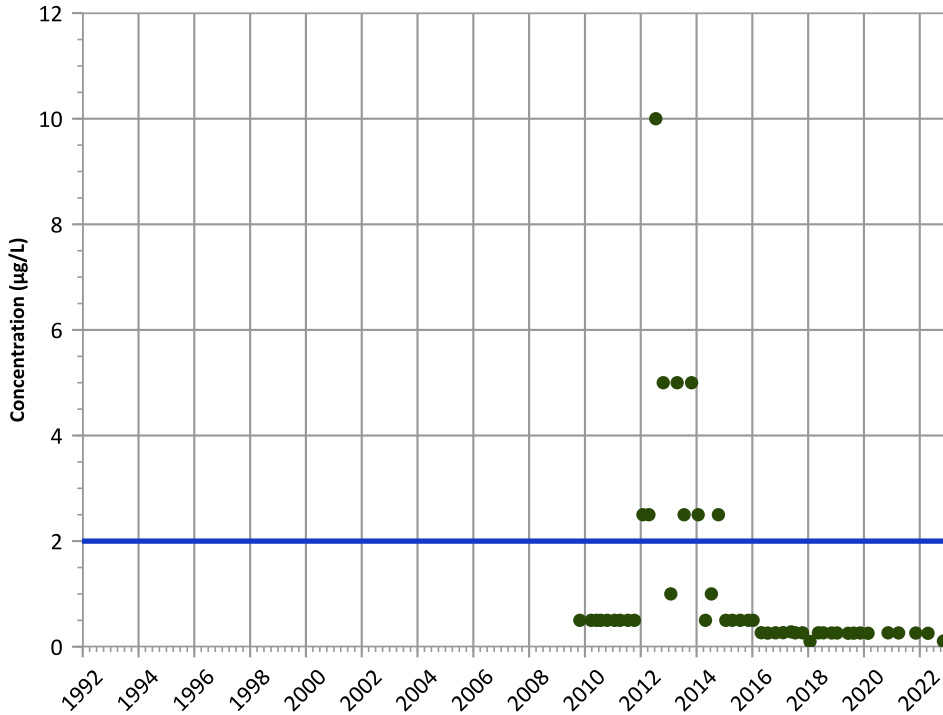
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

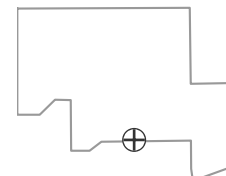
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

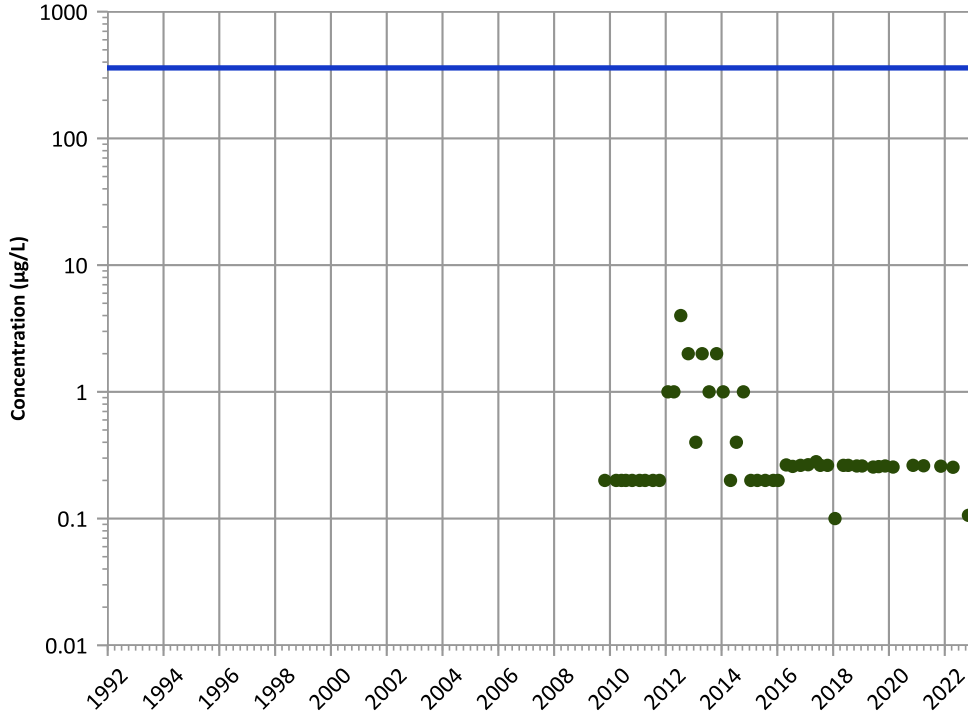
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

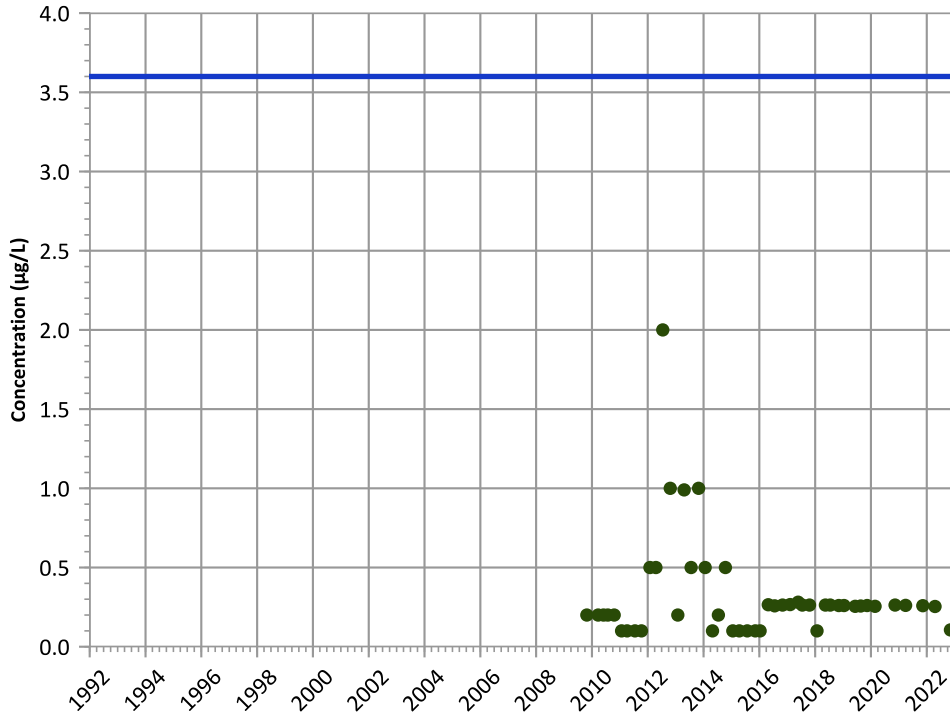
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

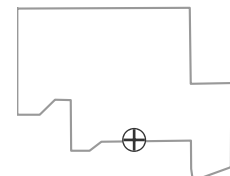
2020 - 2022 Data:

All Non-Detect

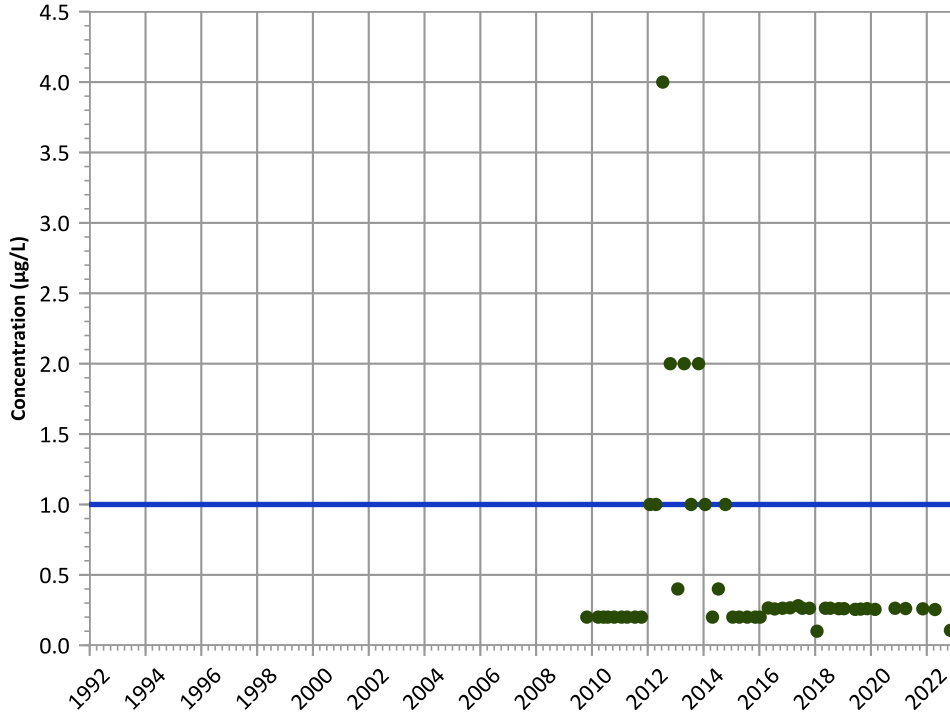
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

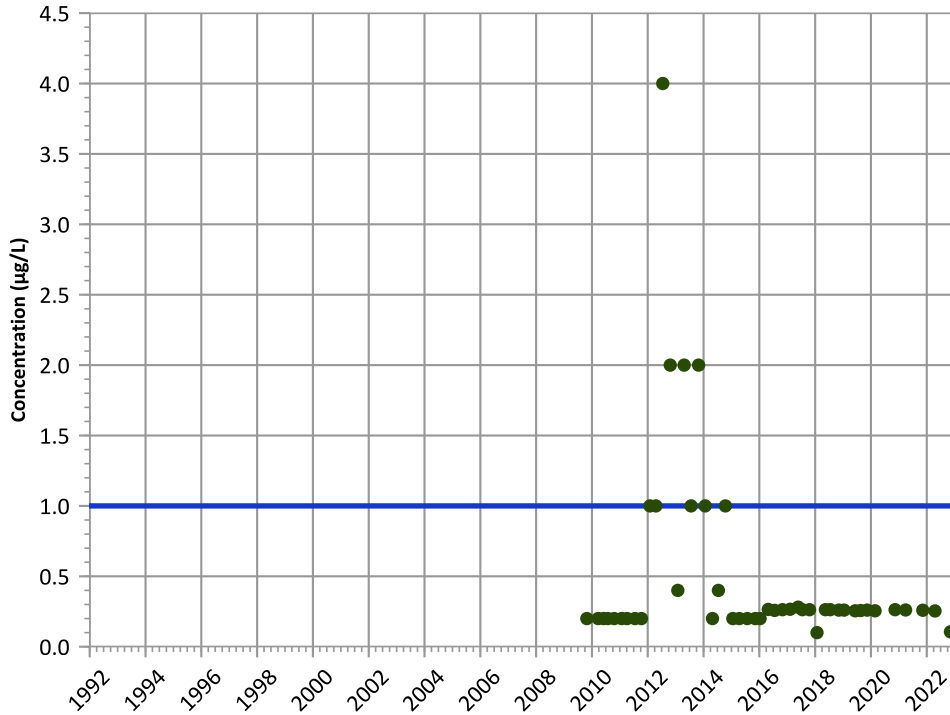
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

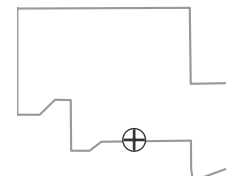
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

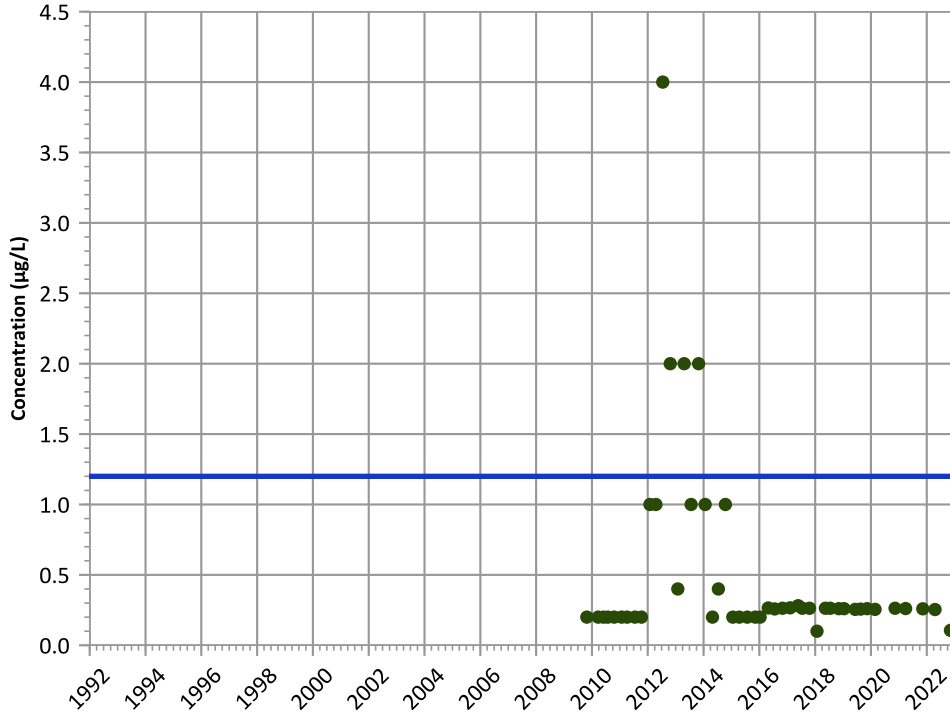
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

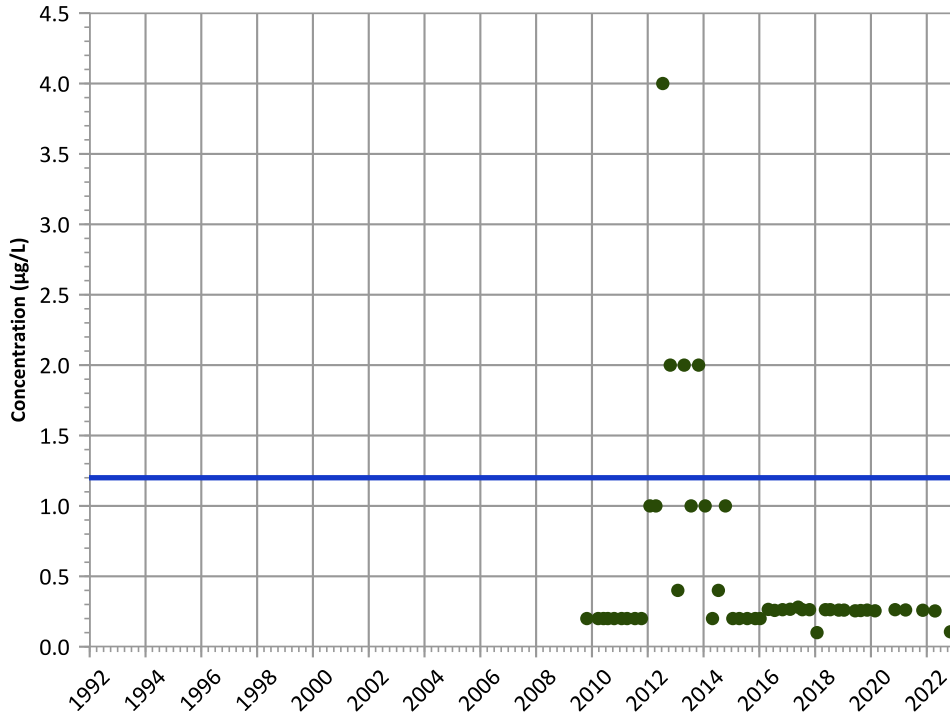
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

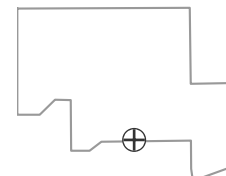
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

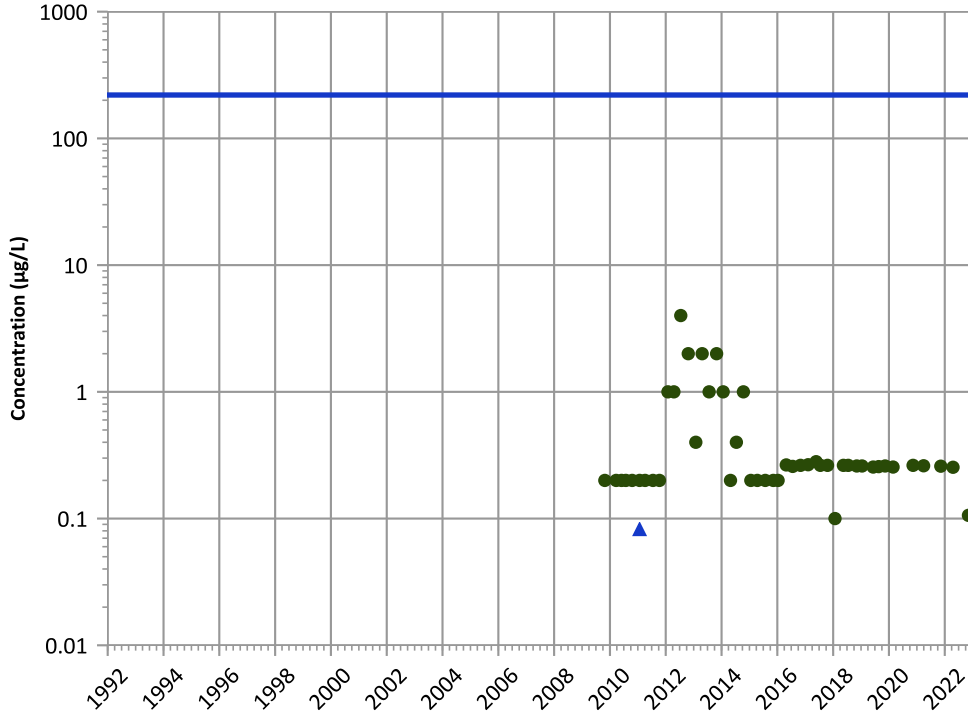
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

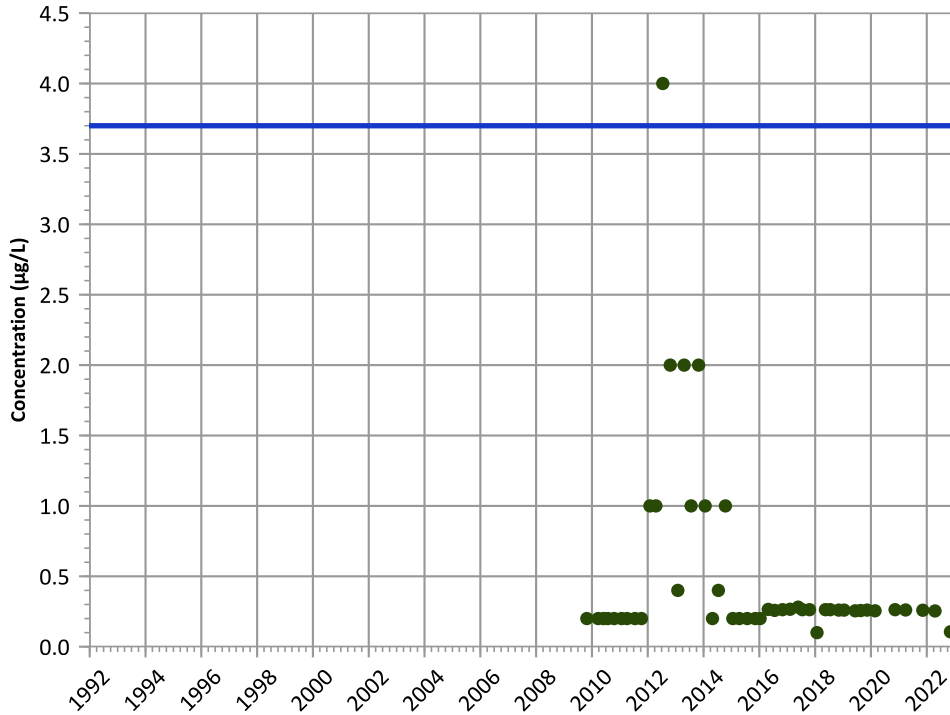


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

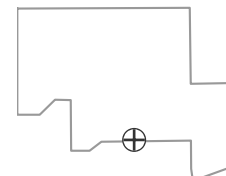
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

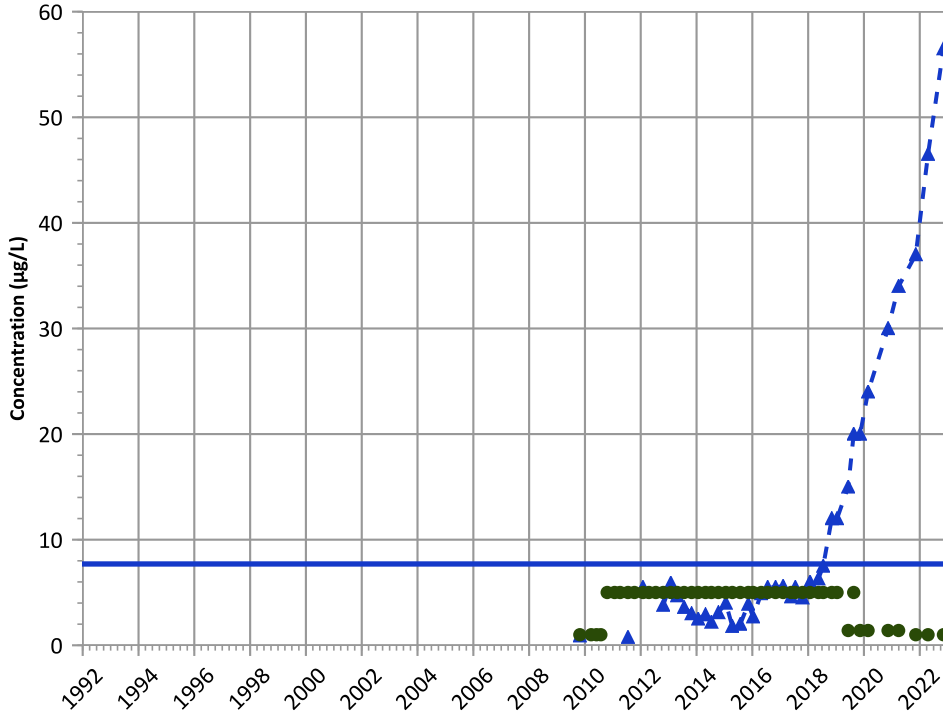
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

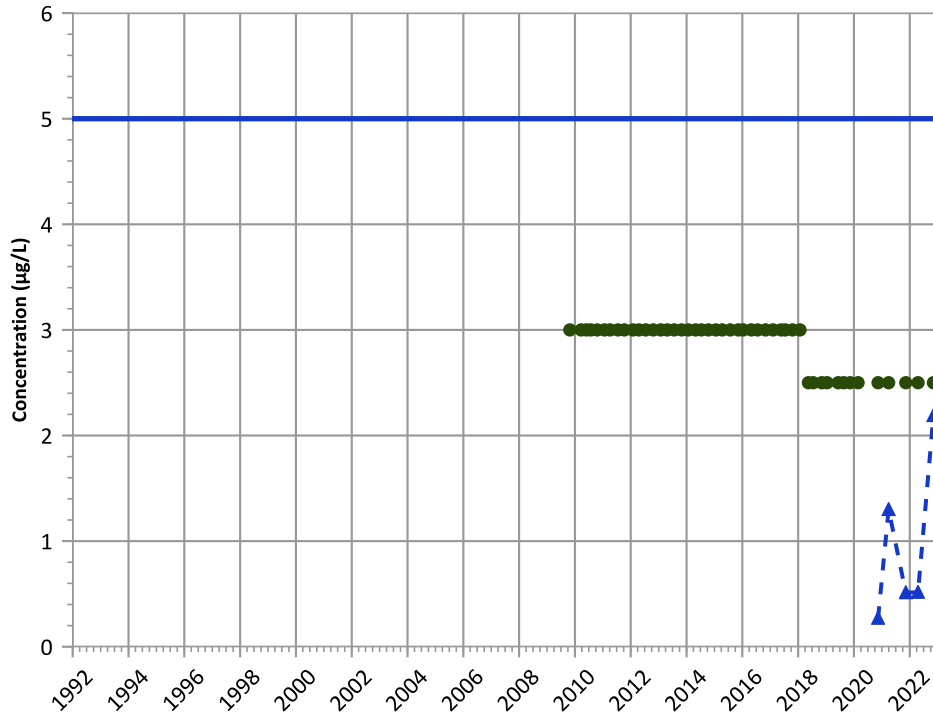


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

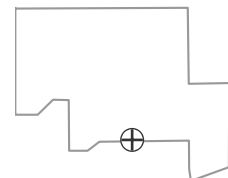
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

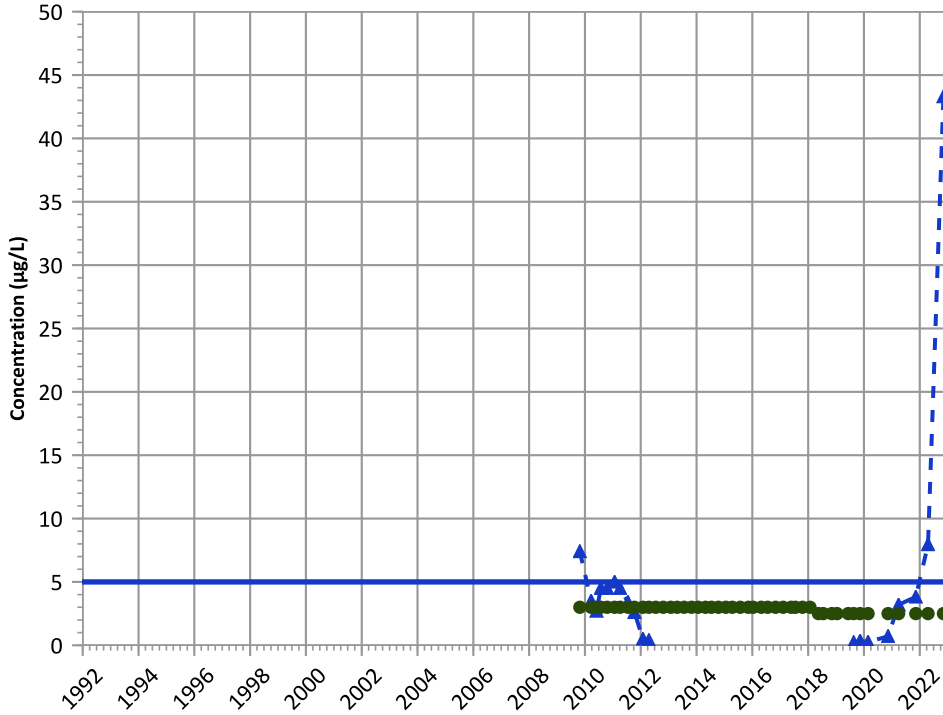
Well Location





PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

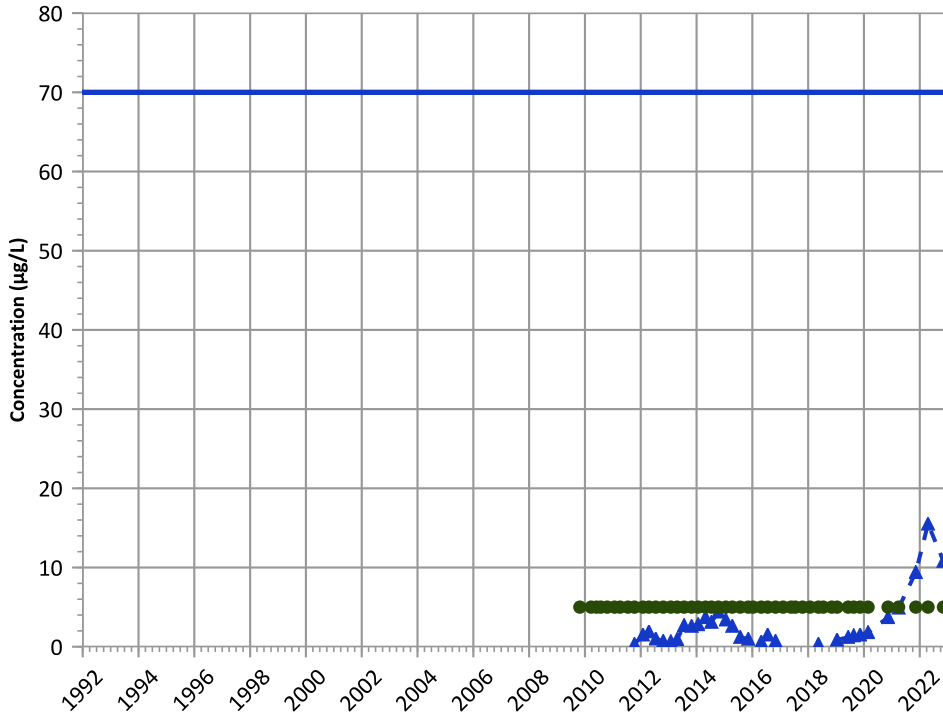
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Probably Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

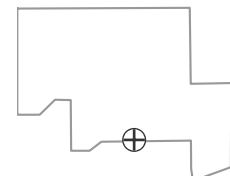
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

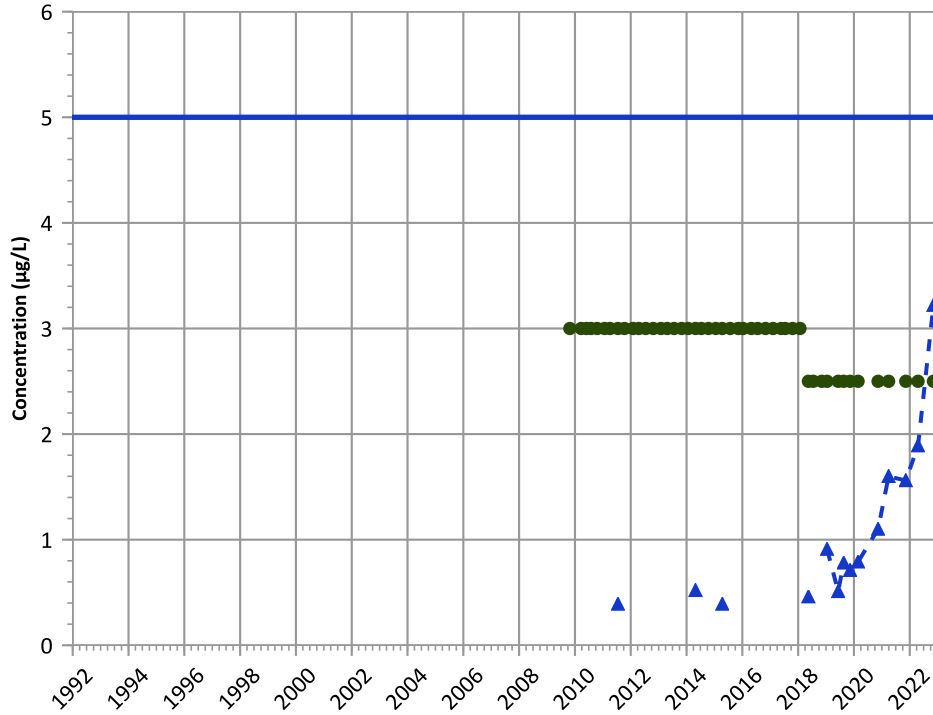
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

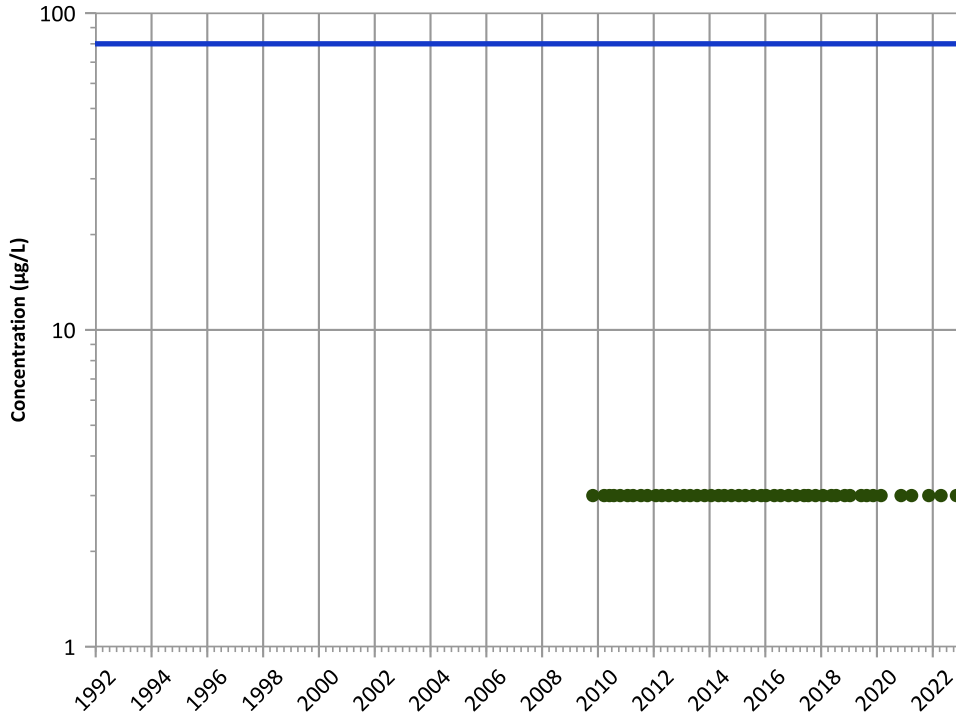


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Increasing

**Chloroform Trend**



**Concentration Trend**

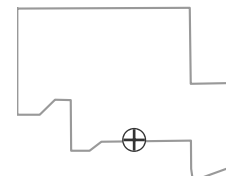
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

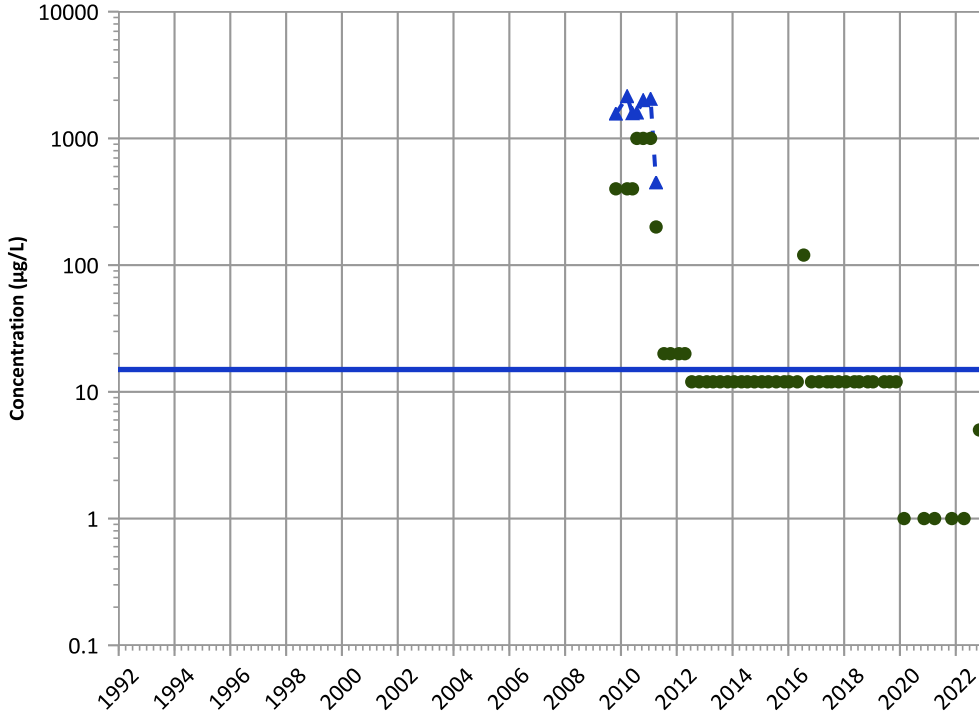
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

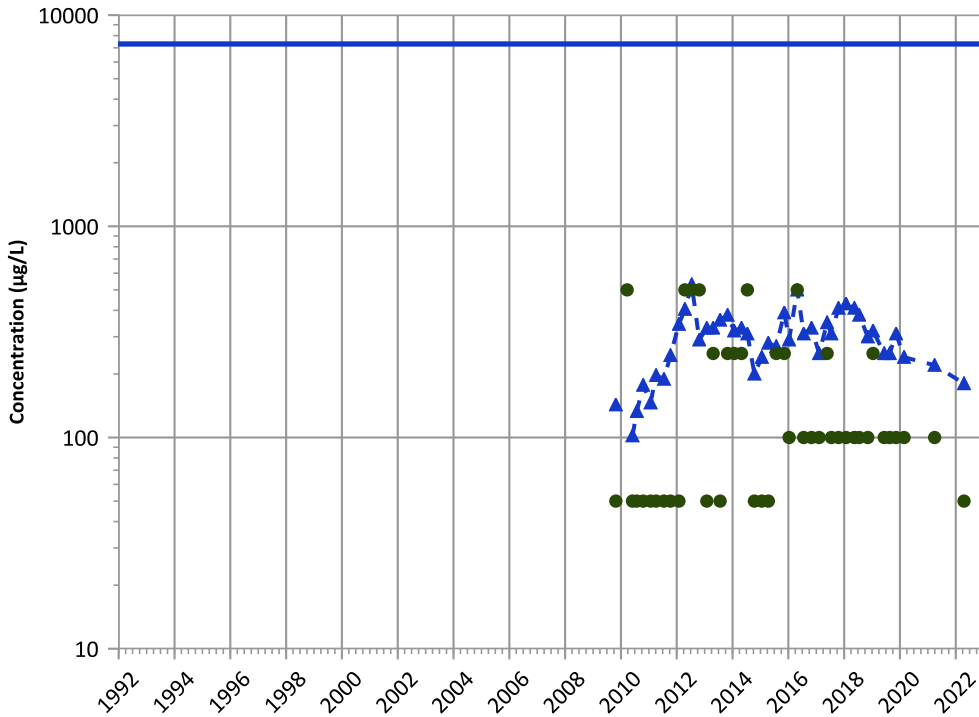


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Boron Trend



Concentration Trend

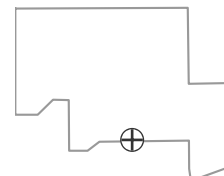
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

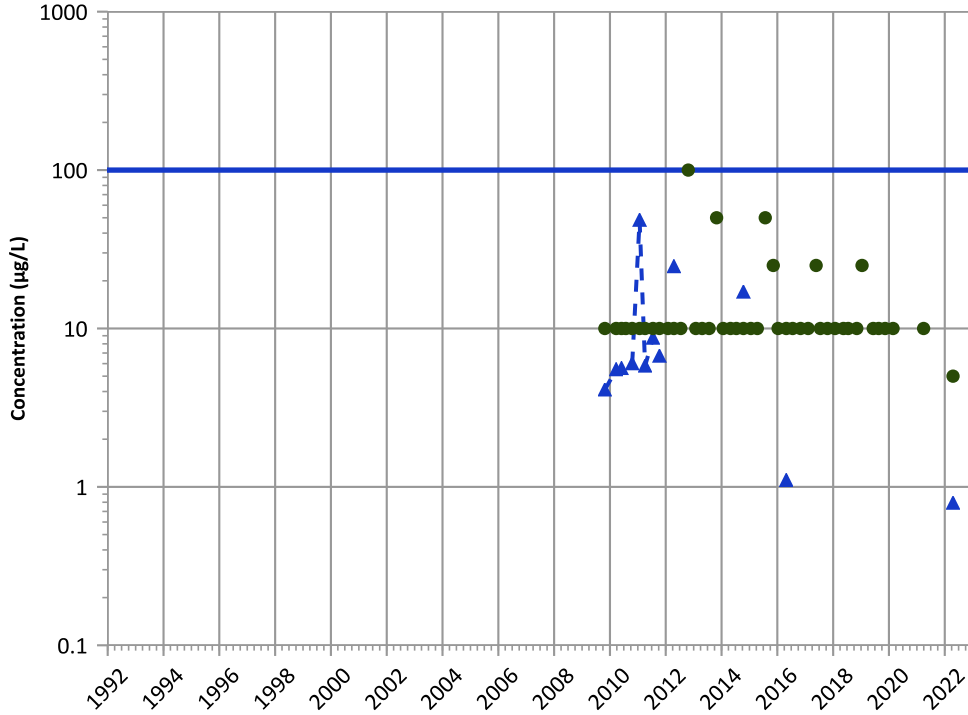
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend

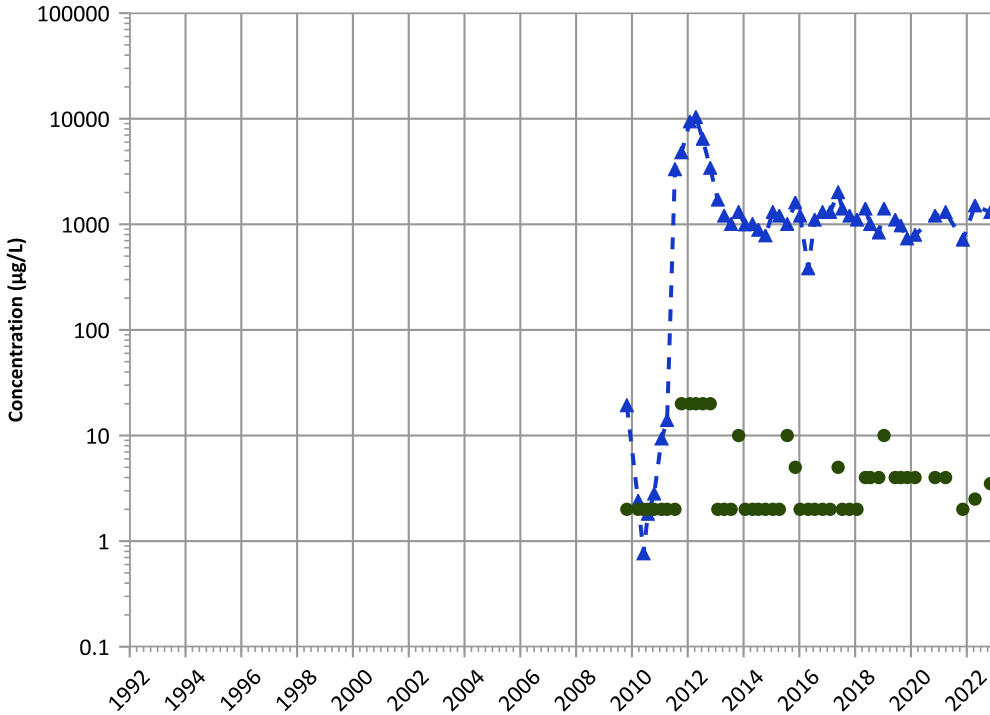


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Manganese Trend



Concentration Trend

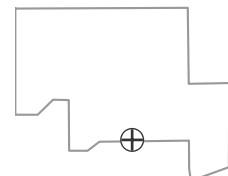
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

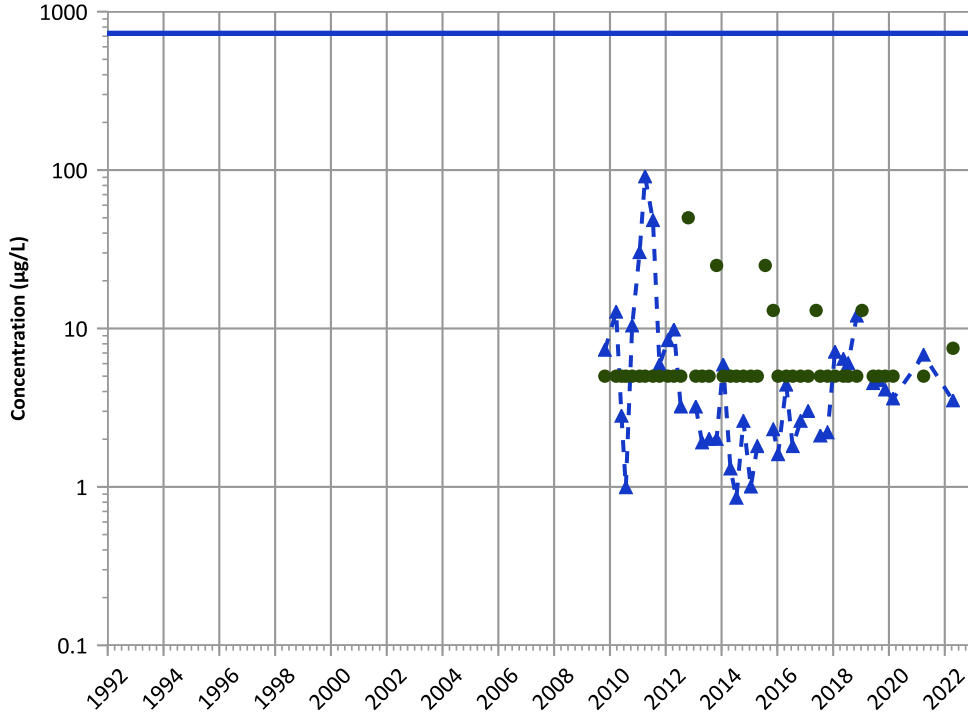
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

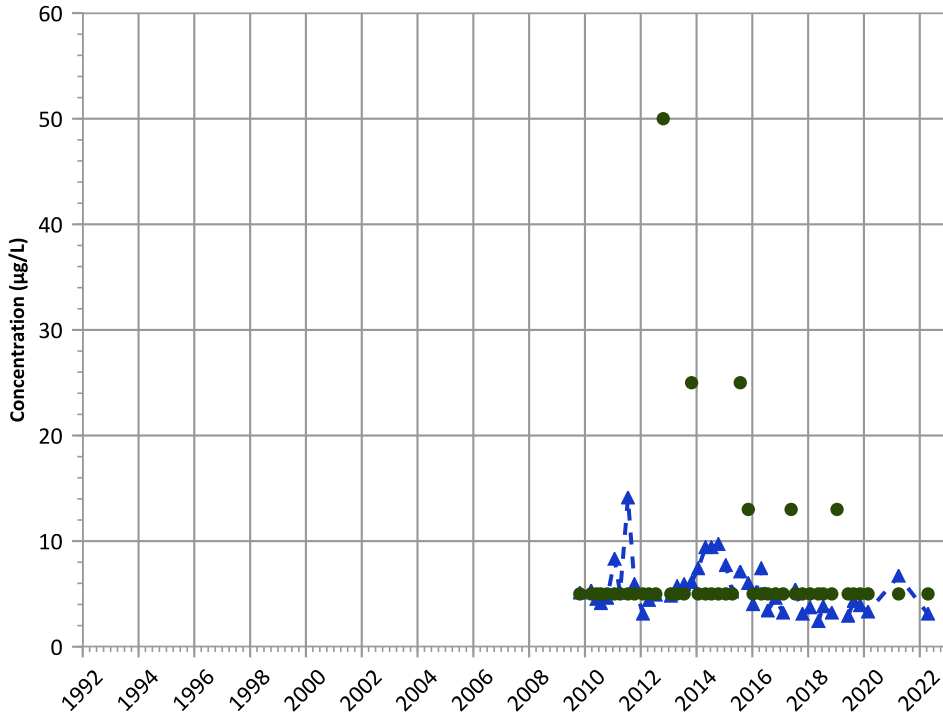


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

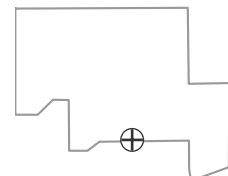
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

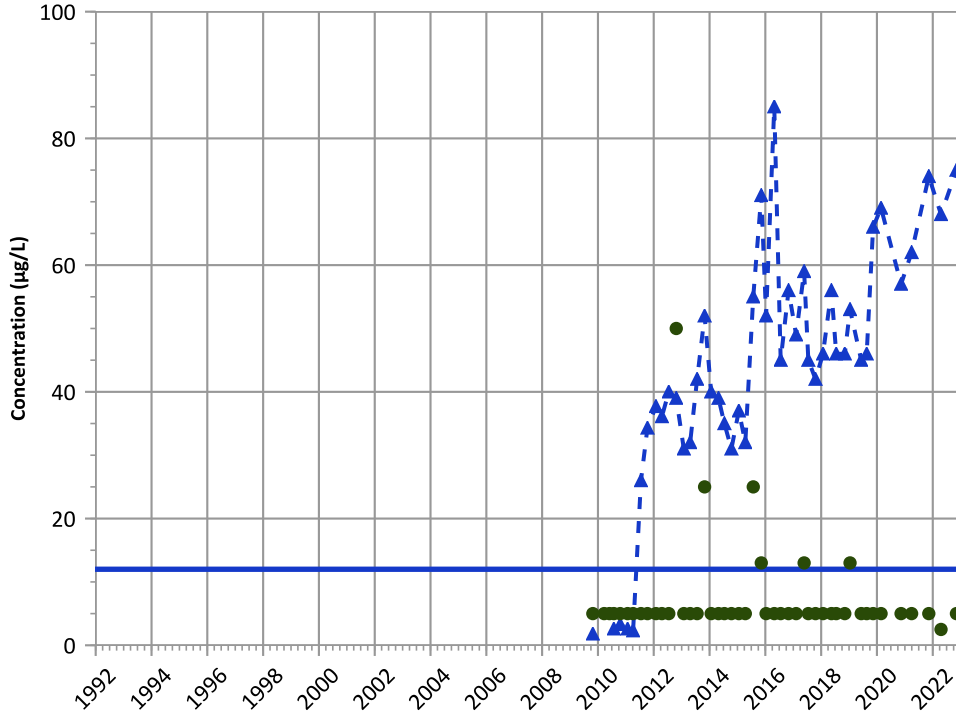
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

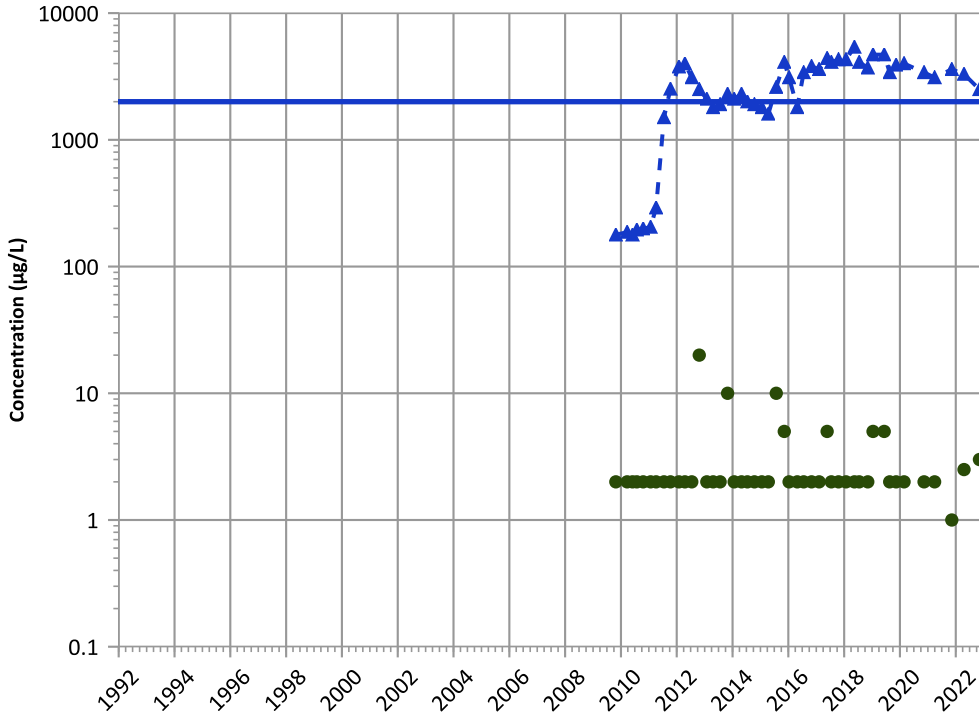
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Probably Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

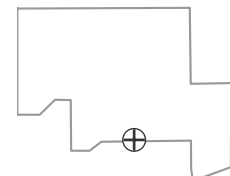
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

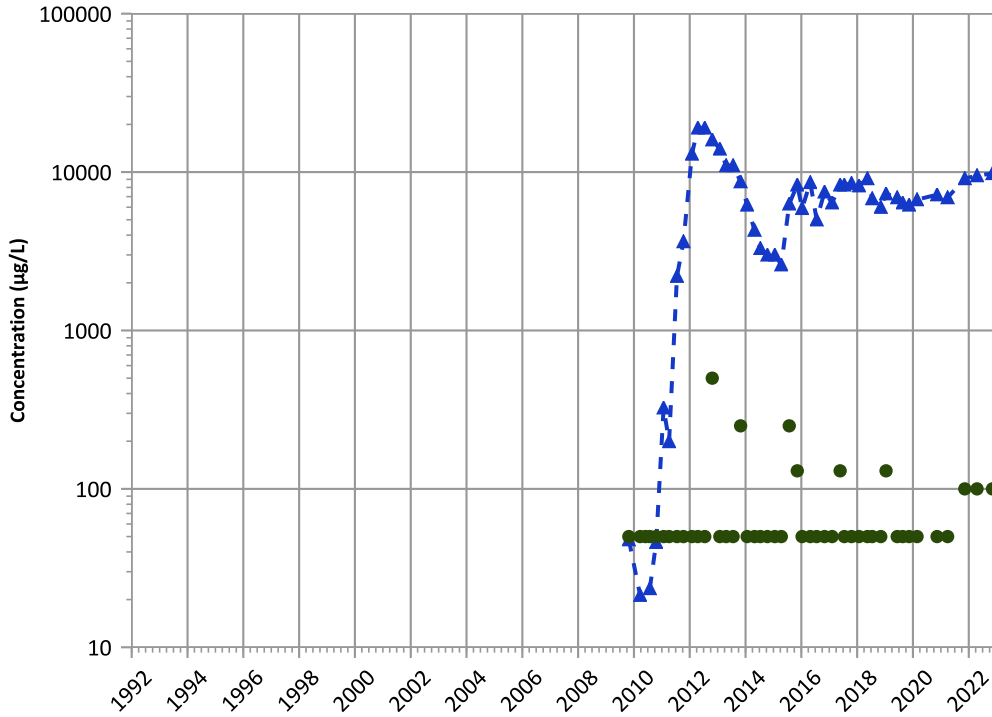
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

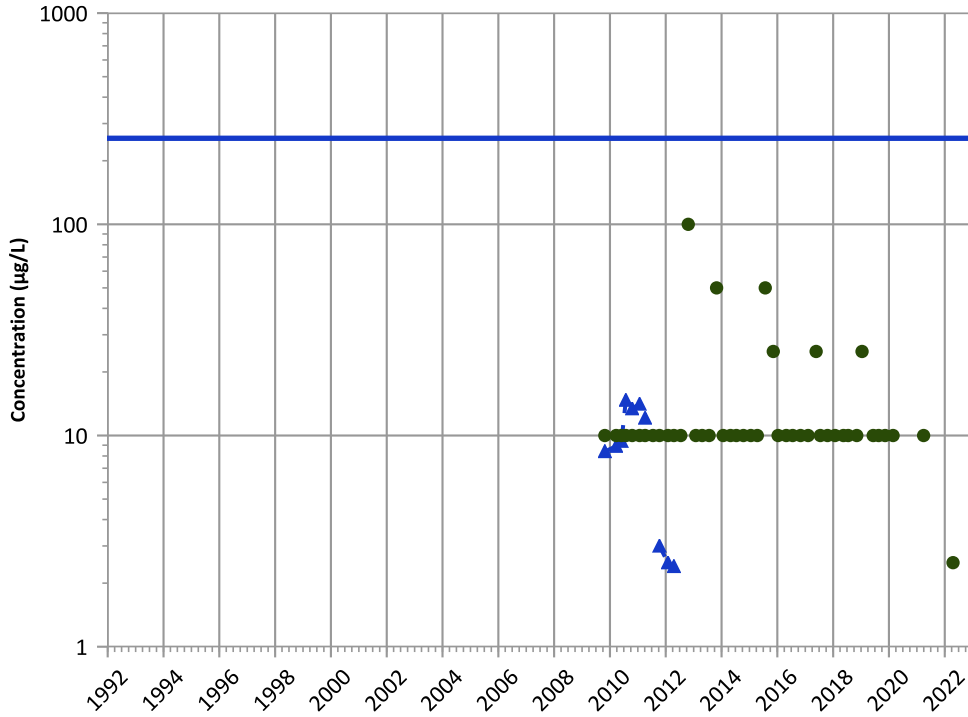
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

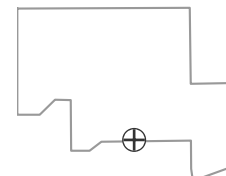
2020 - 2022 Data:

Decreasing

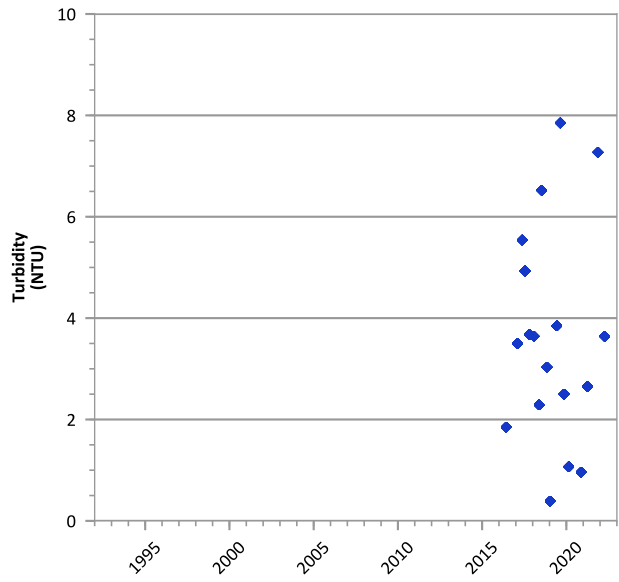
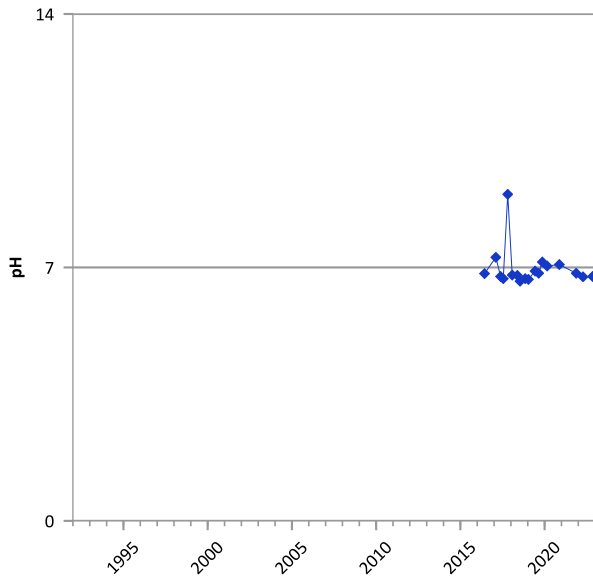
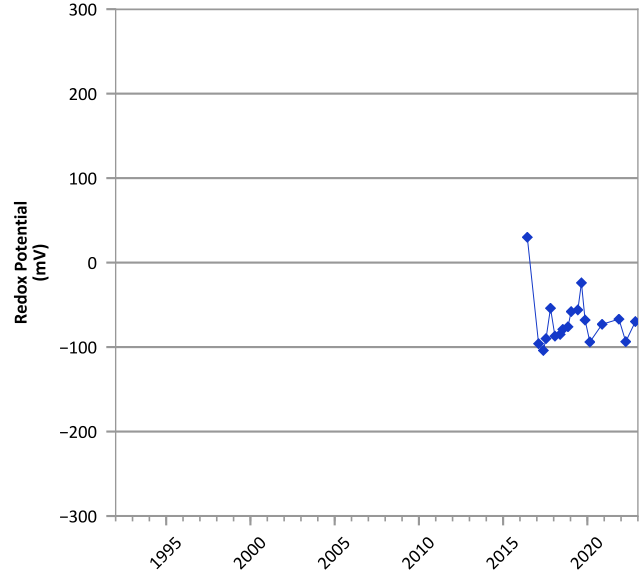
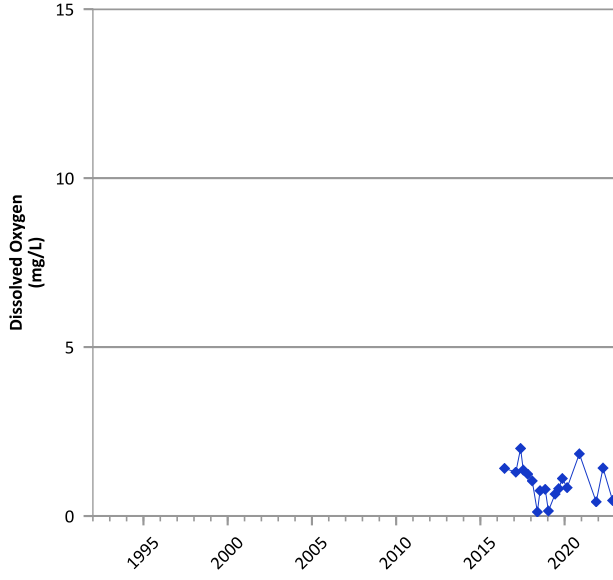
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/26/2009 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

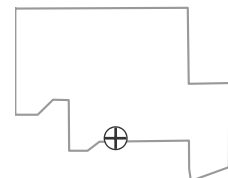


**PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/08/2016 to 11/07/2022  
 Analysis Date: 04/27/2023

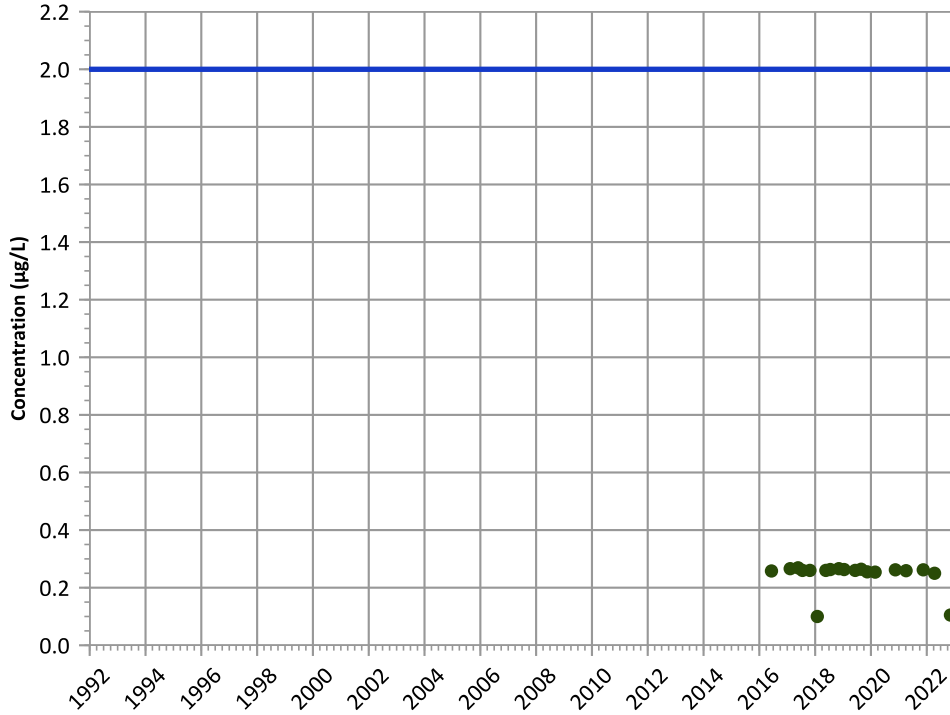
**Well Location**





PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

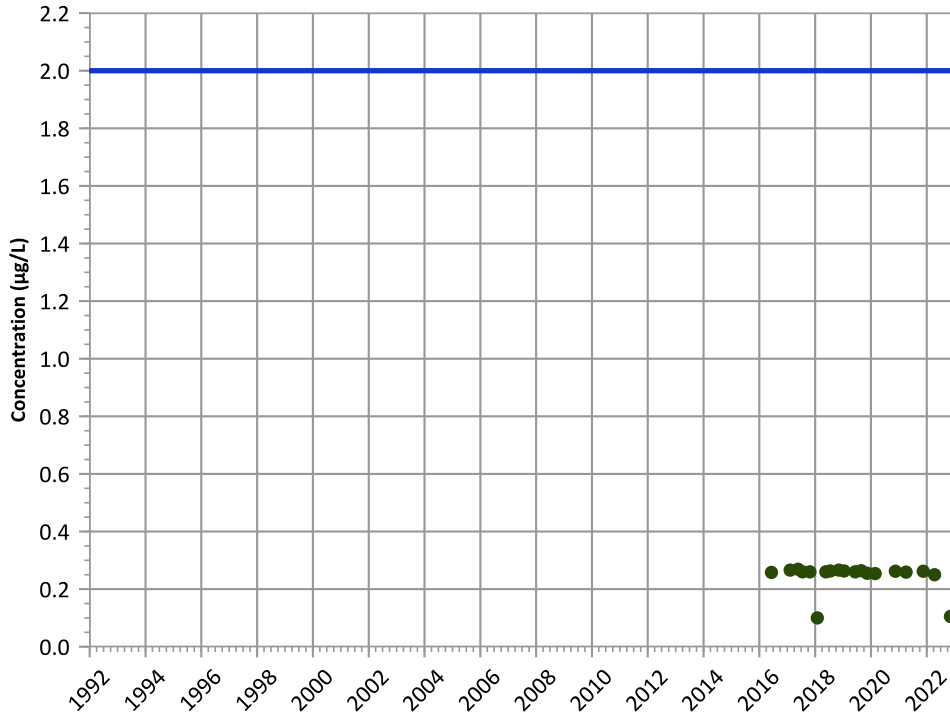


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

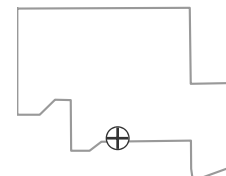
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

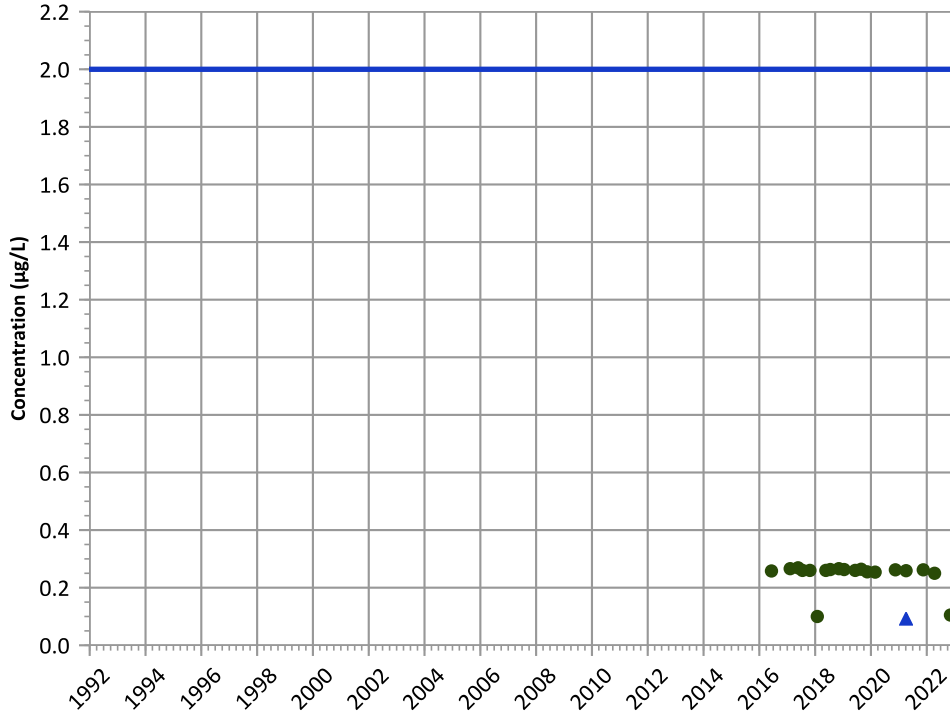
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

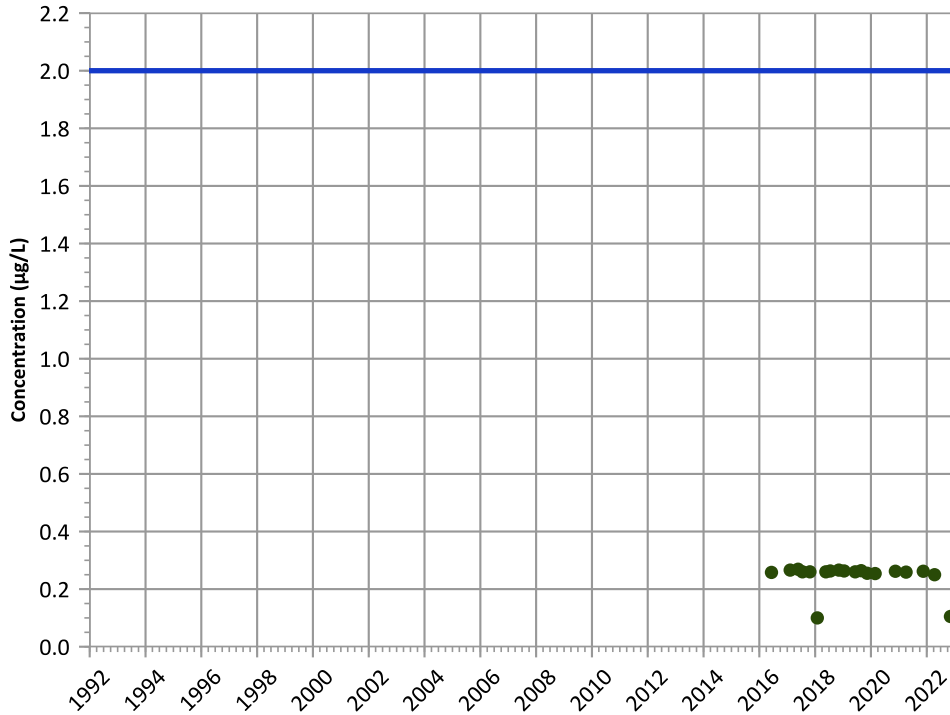


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

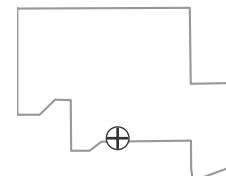
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

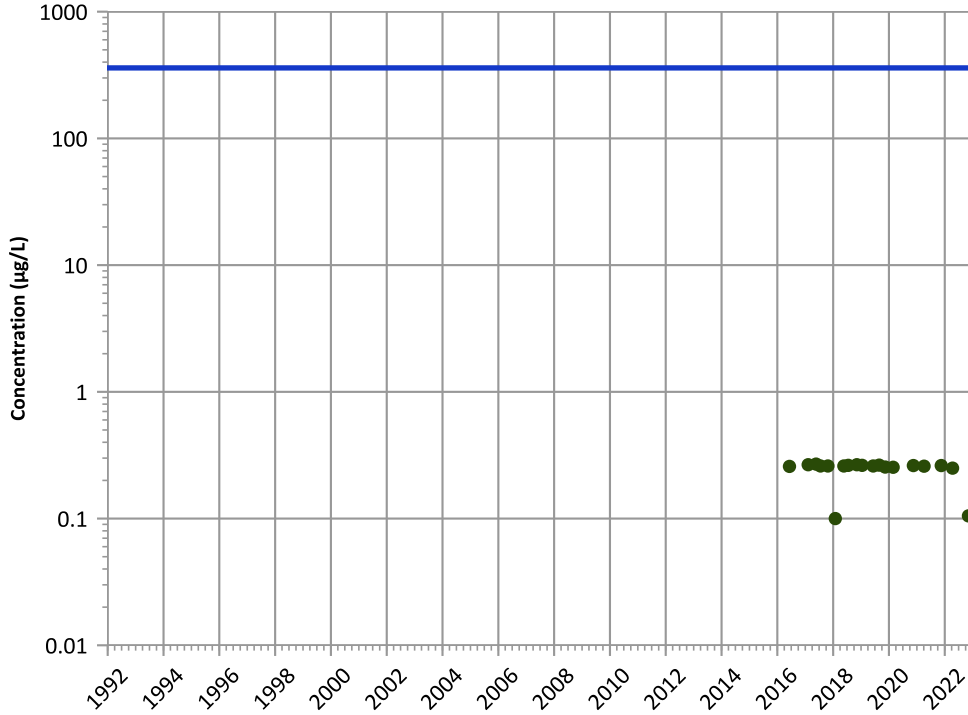
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

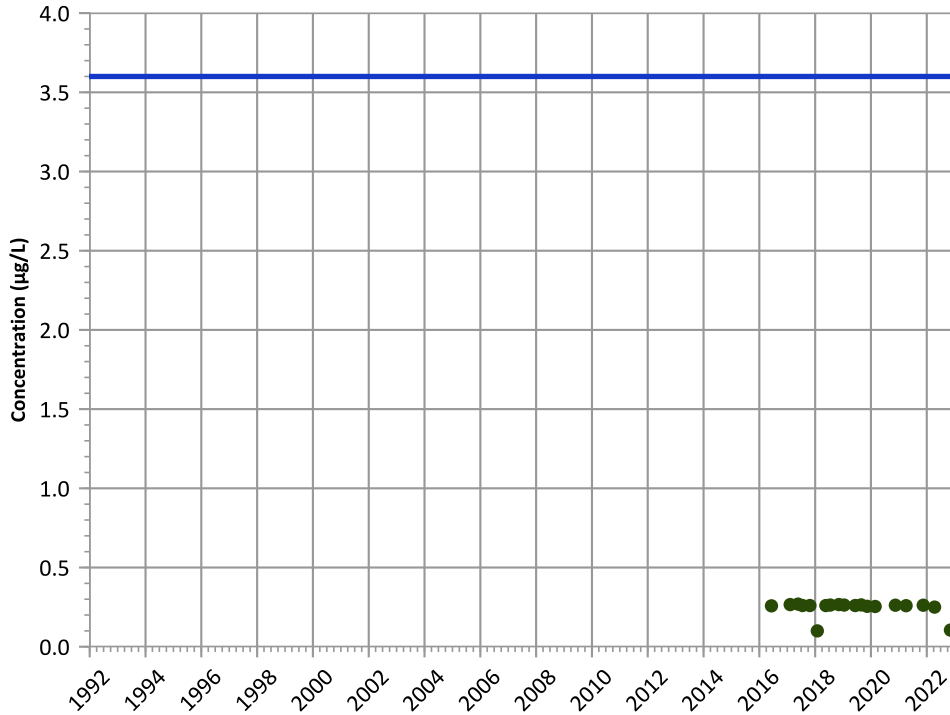
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

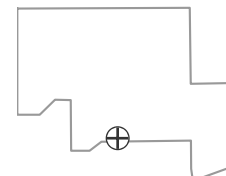
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

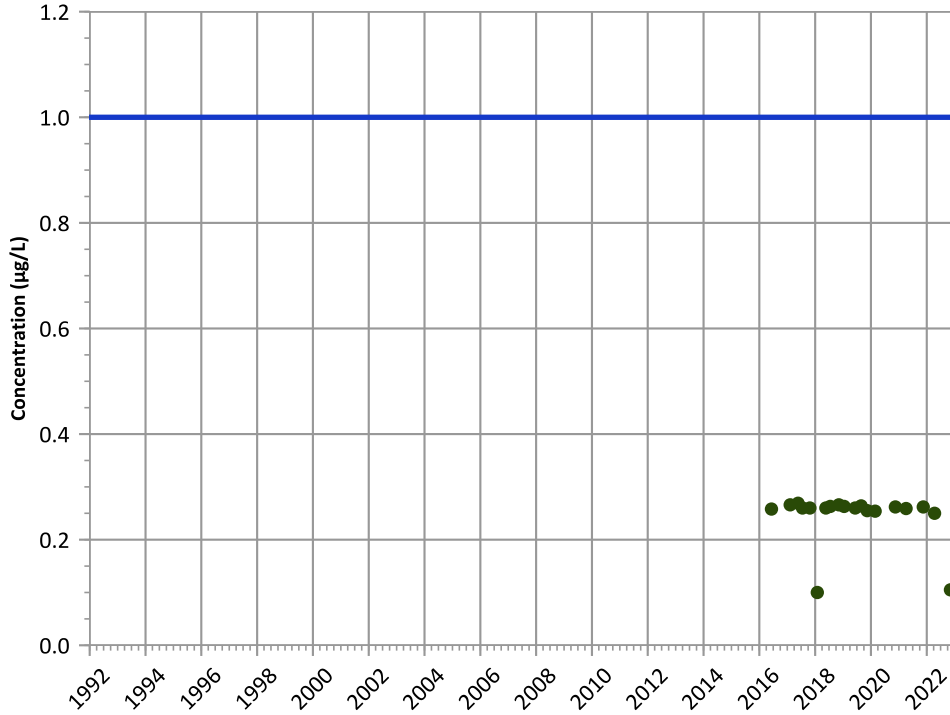
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

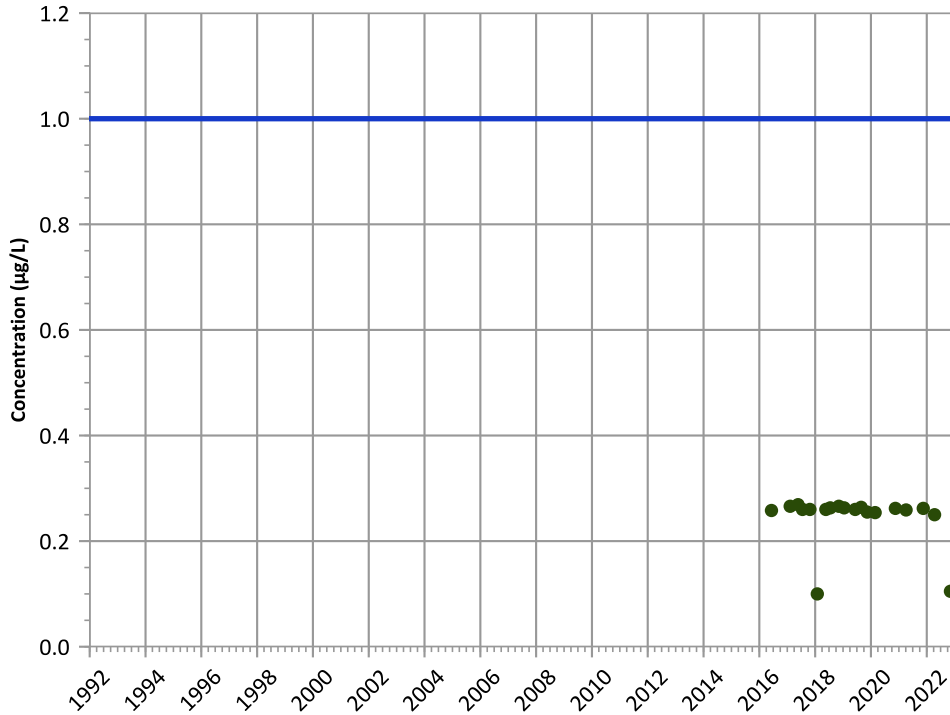
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

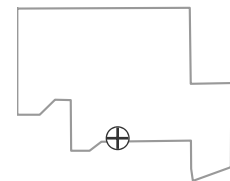
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

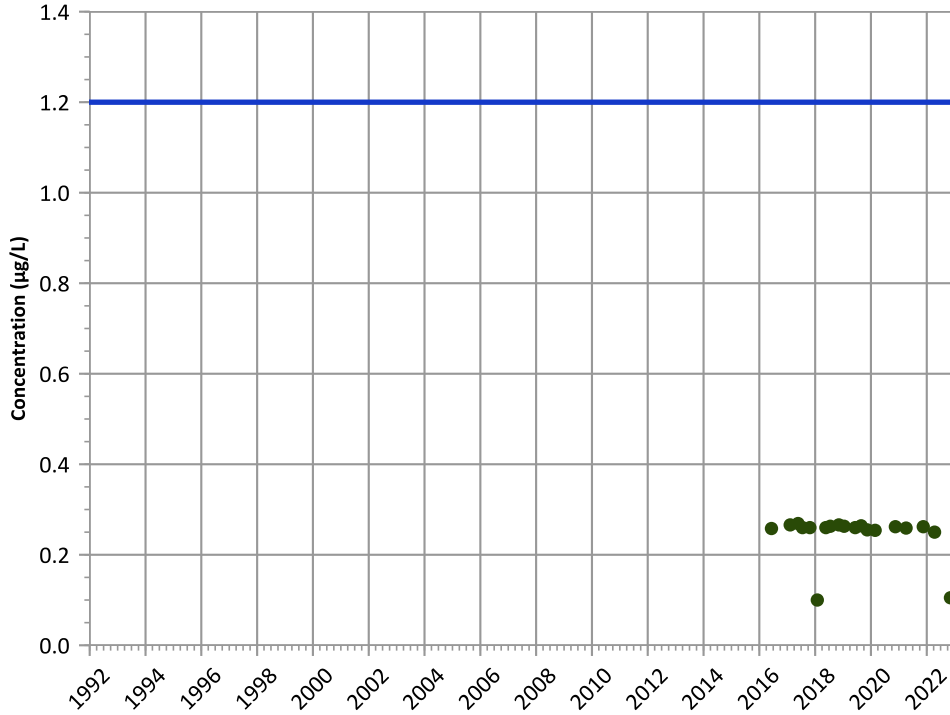


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

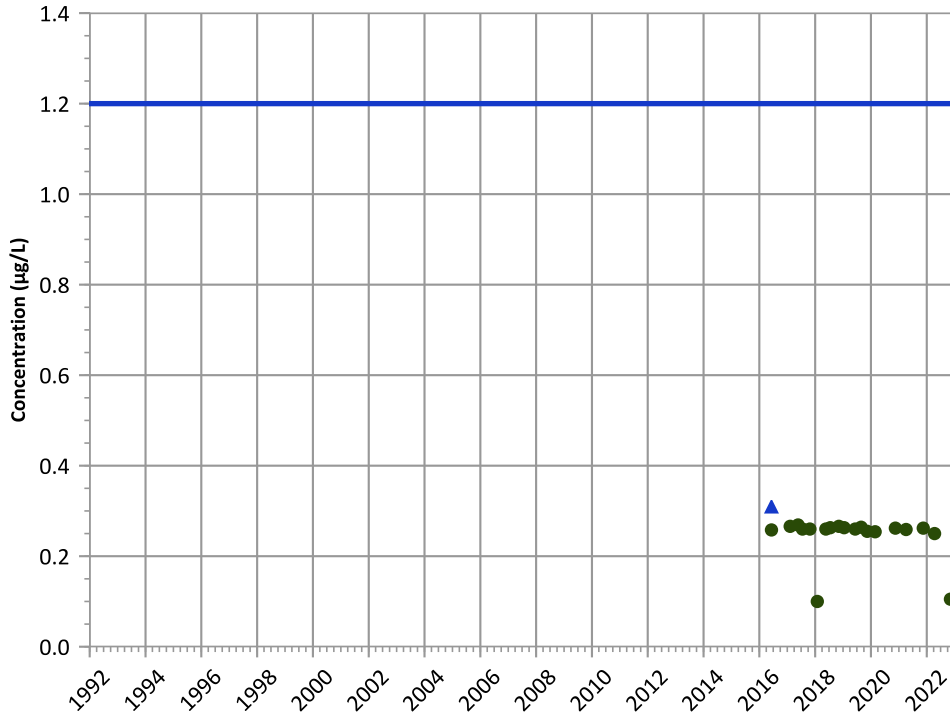
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

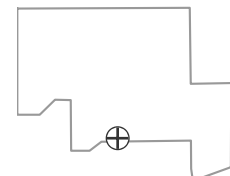
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 06/08/2016 to 11/07/2022

Analysis Date: 04/27/2023

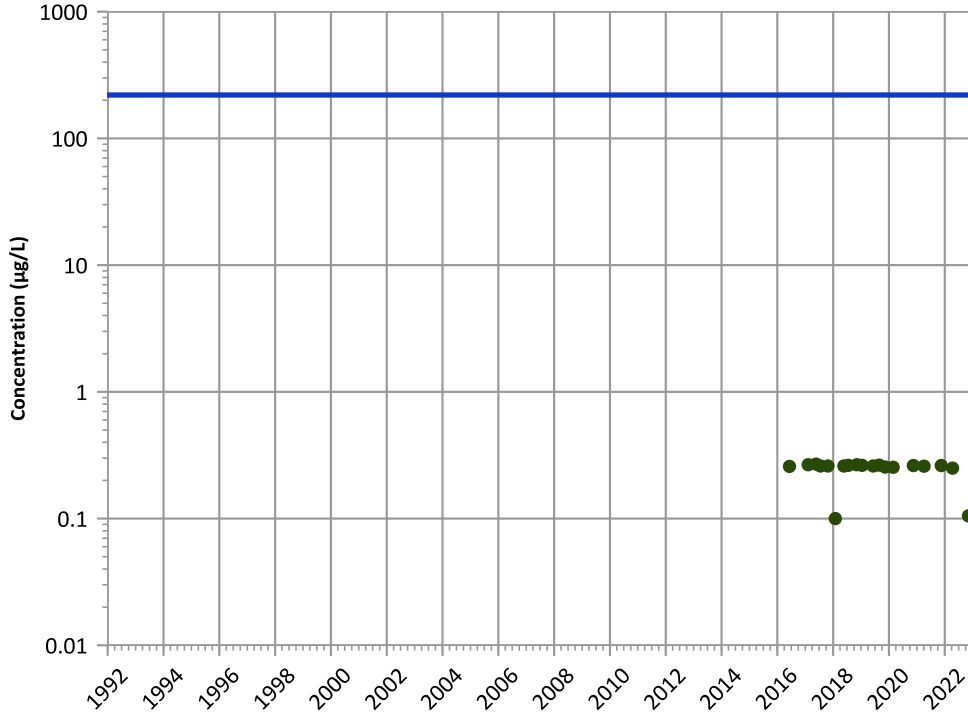
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

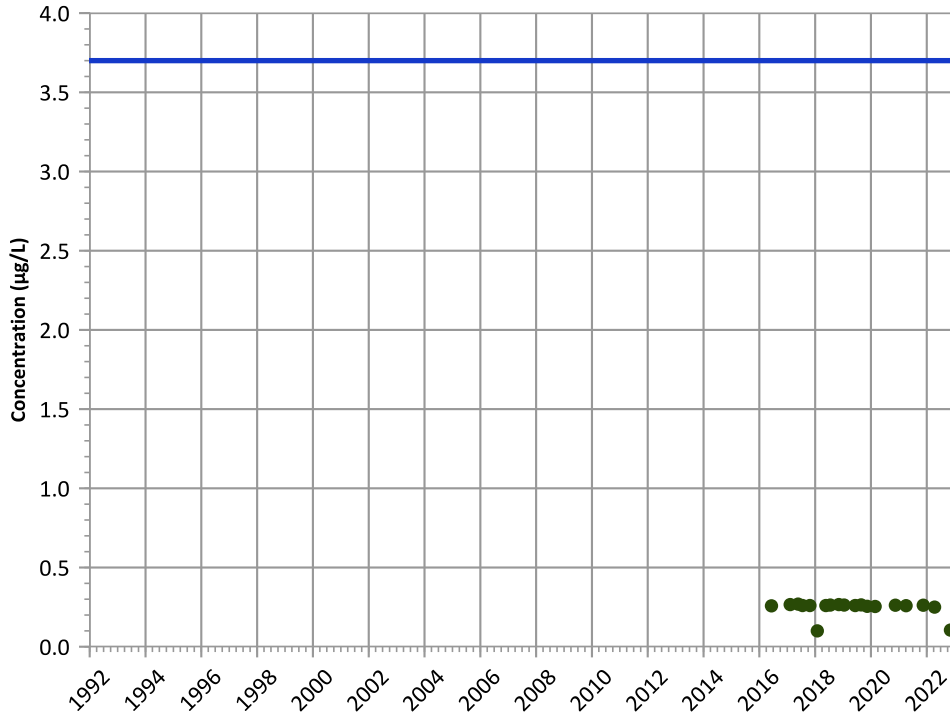
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

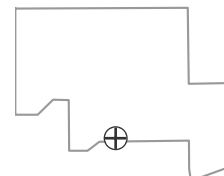
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

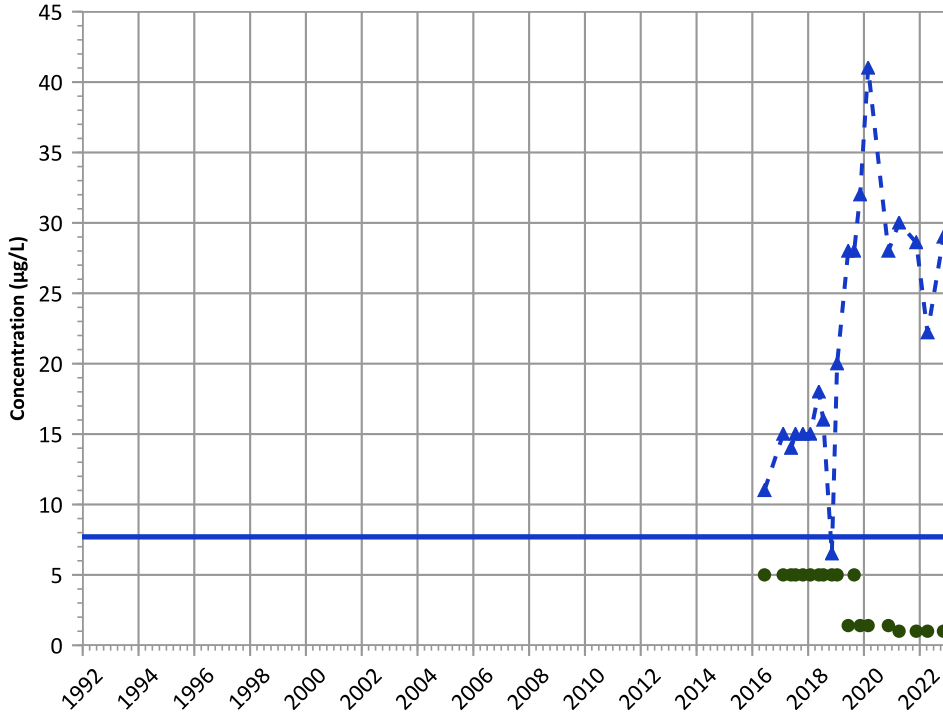
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

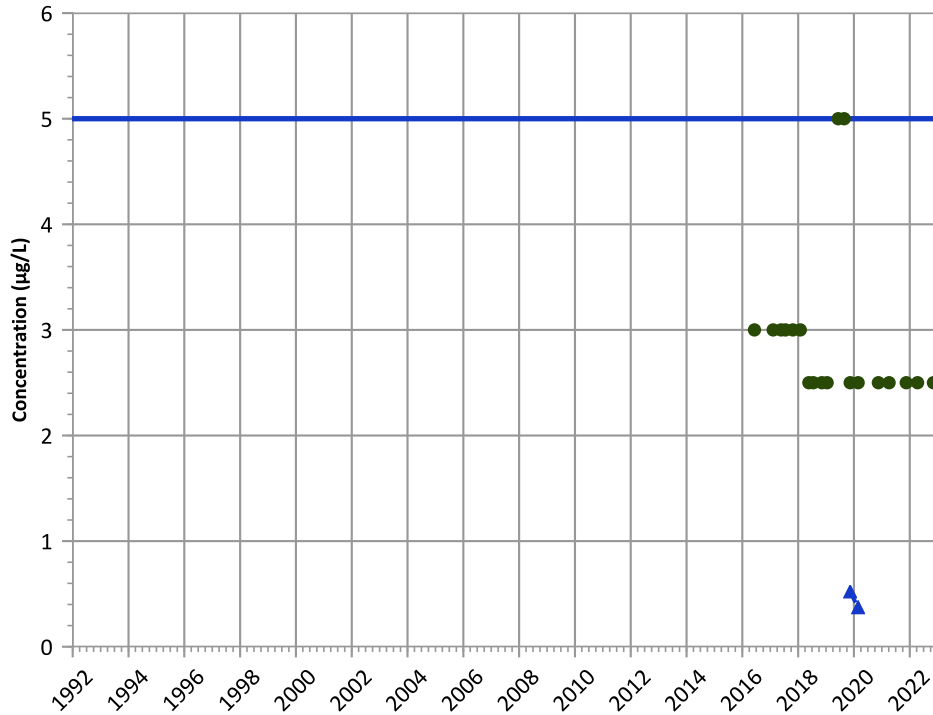


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Tetrachloroethylene (PCE) Trend

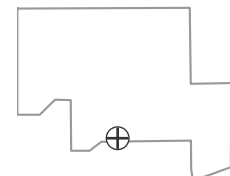


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

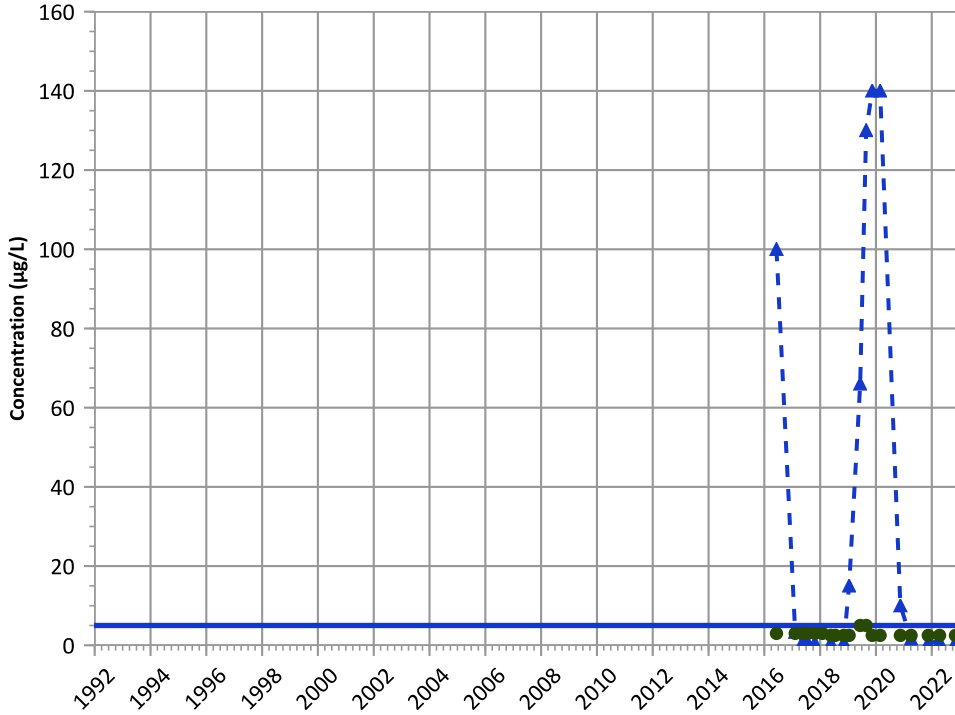


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

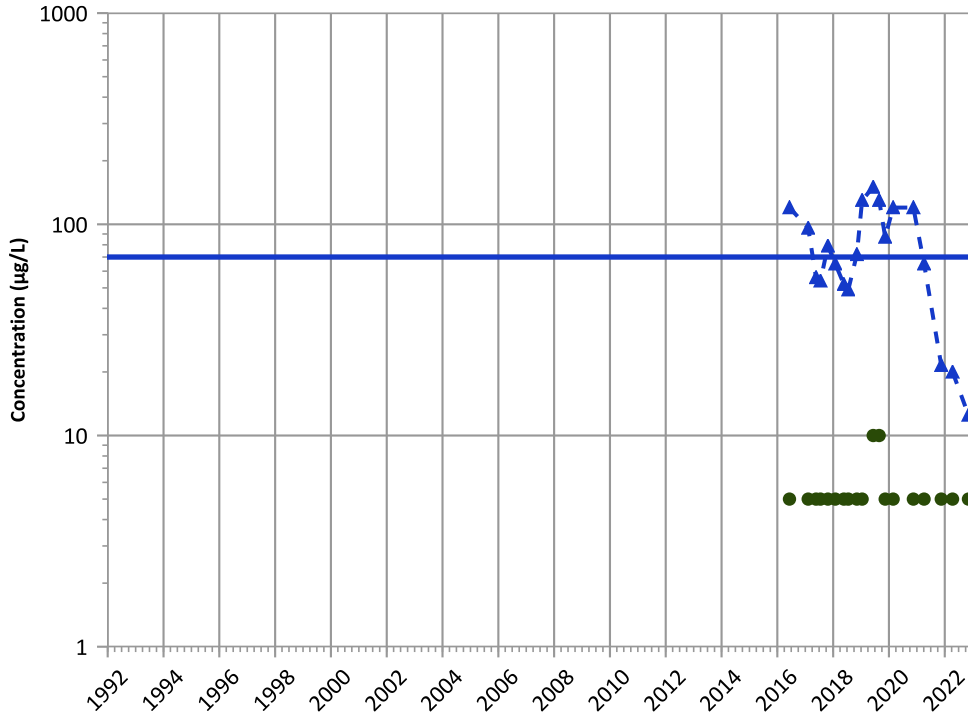


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

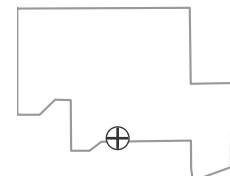
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

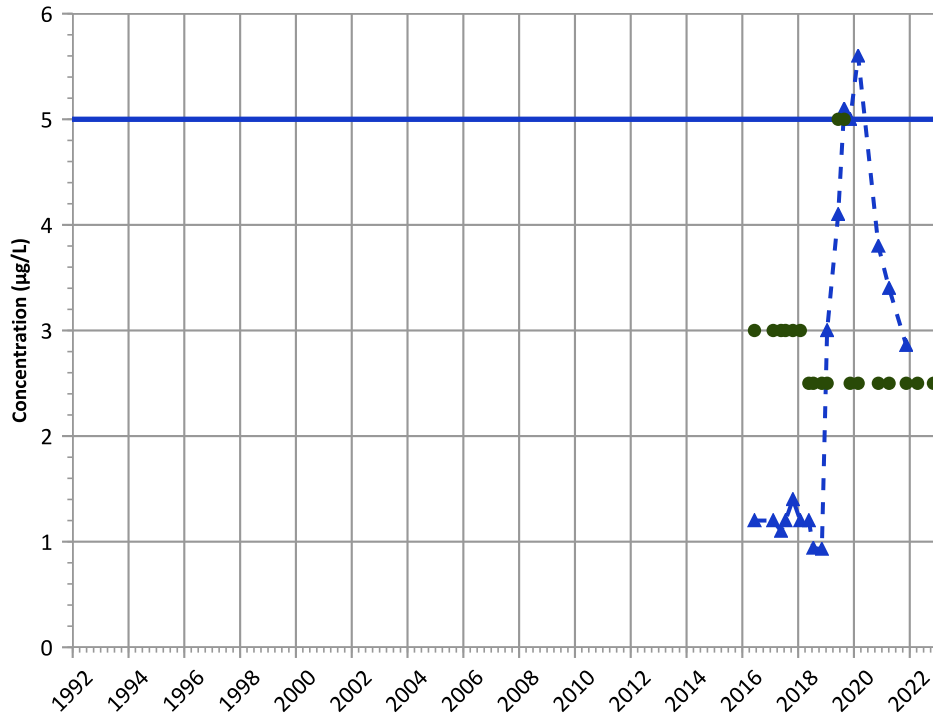
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

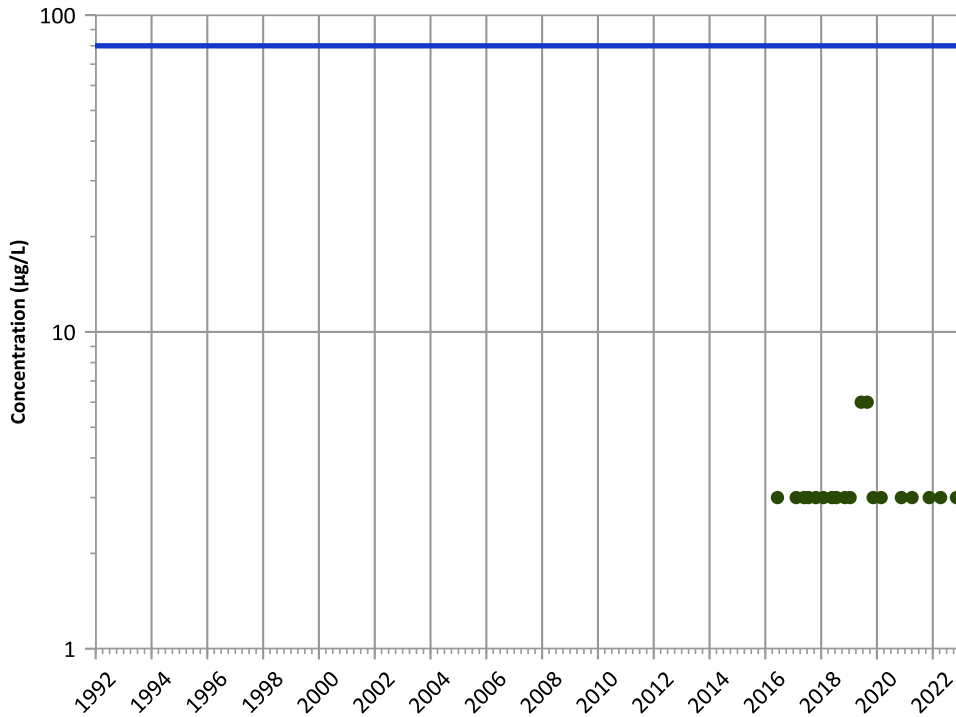


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Decreasing

**Chloroform Trend**



**Concentration Trend**

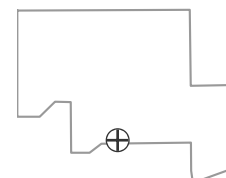
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

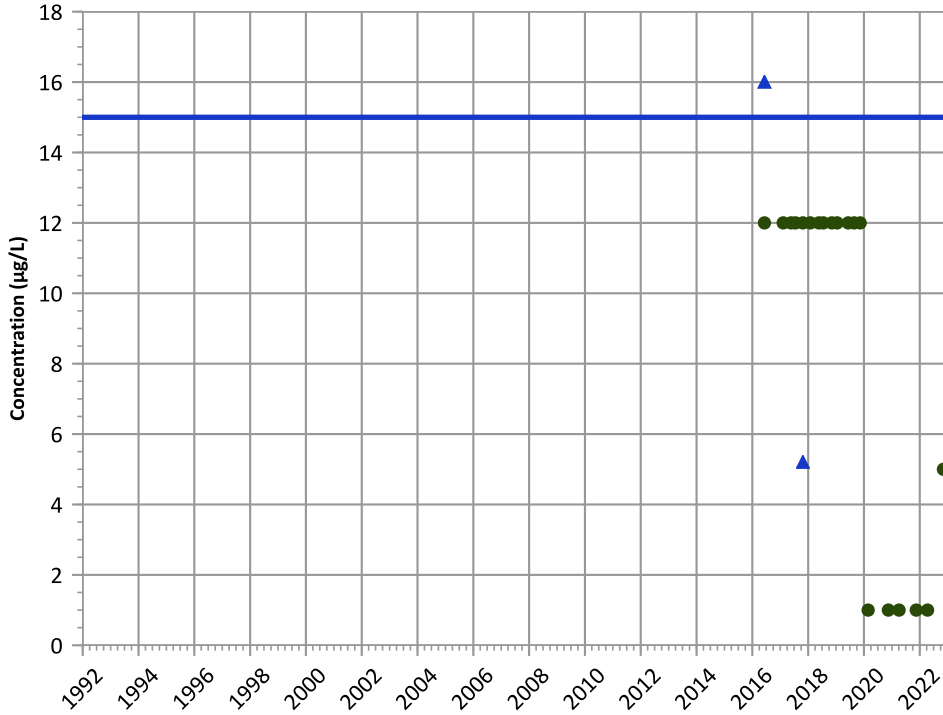
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

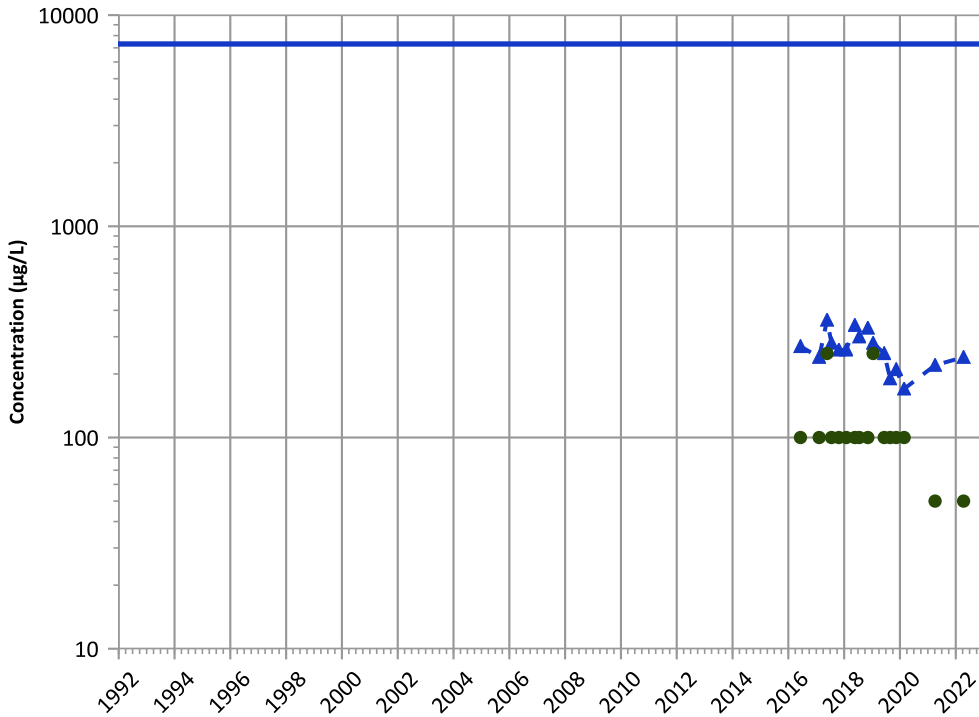


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Boron Trend

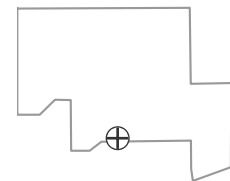


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

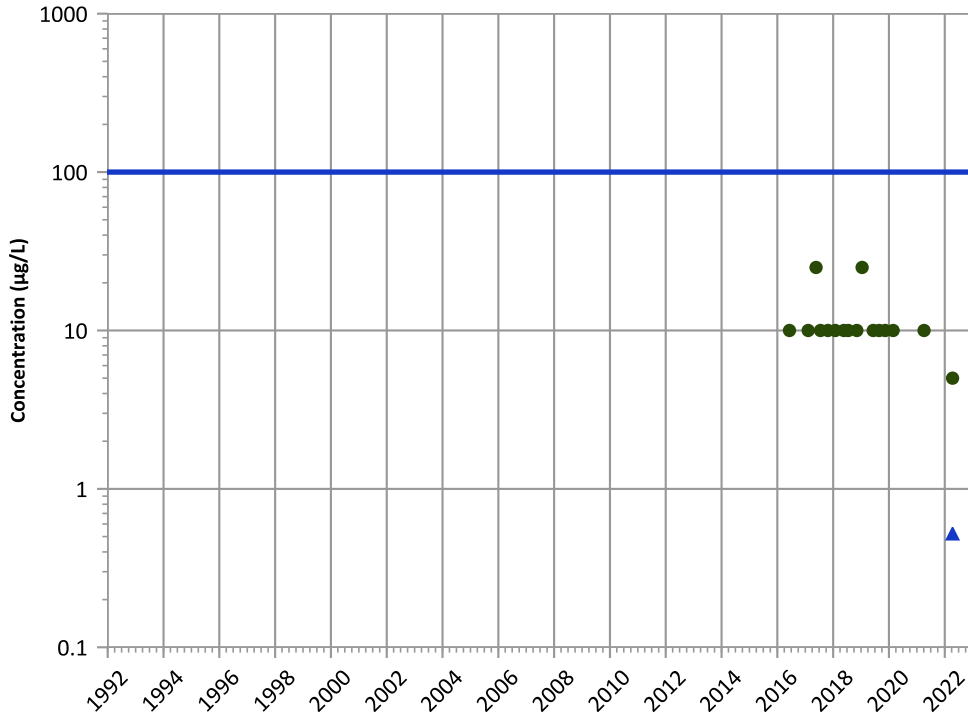


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

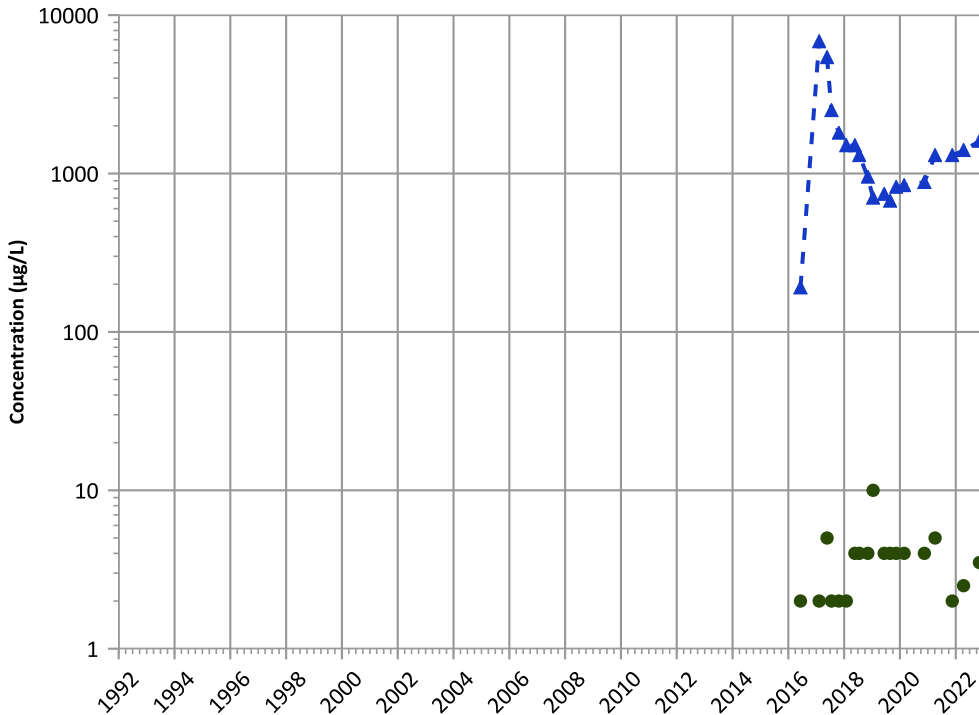
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

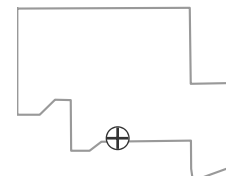
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 06/08/2016 to 11/07/2022

Analysis Date: 04/27/2023

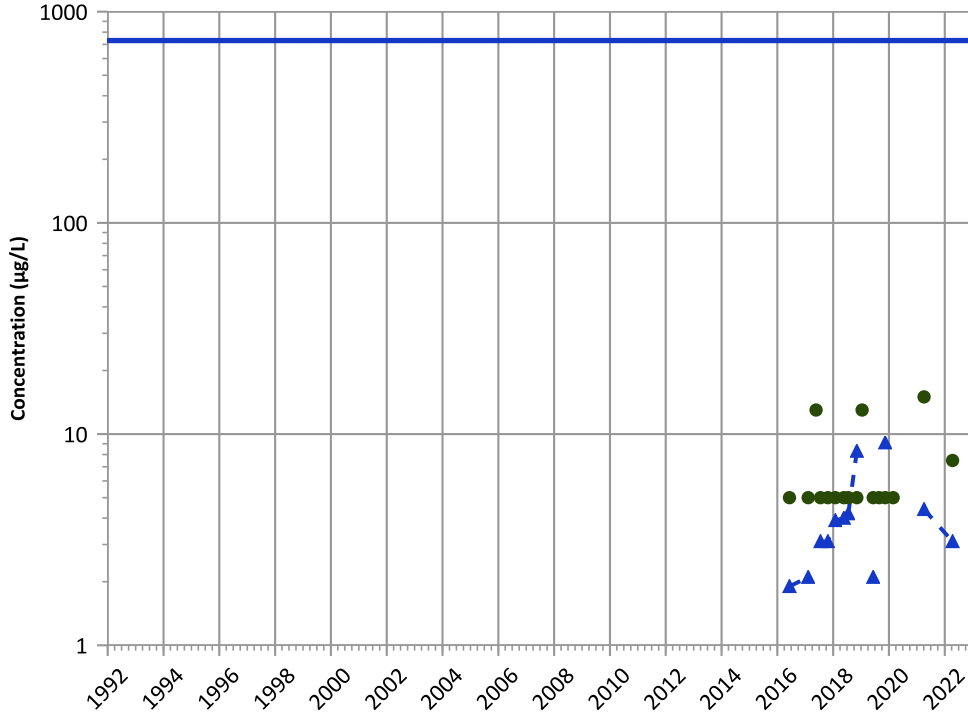
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

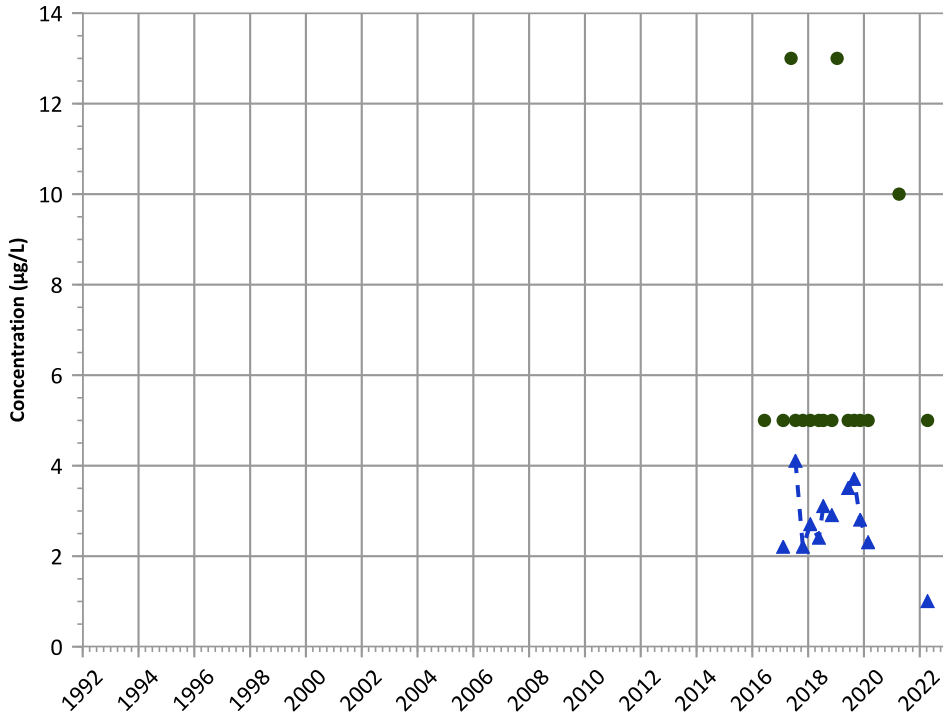


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

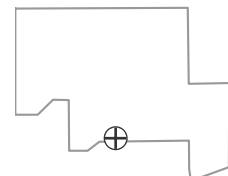
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

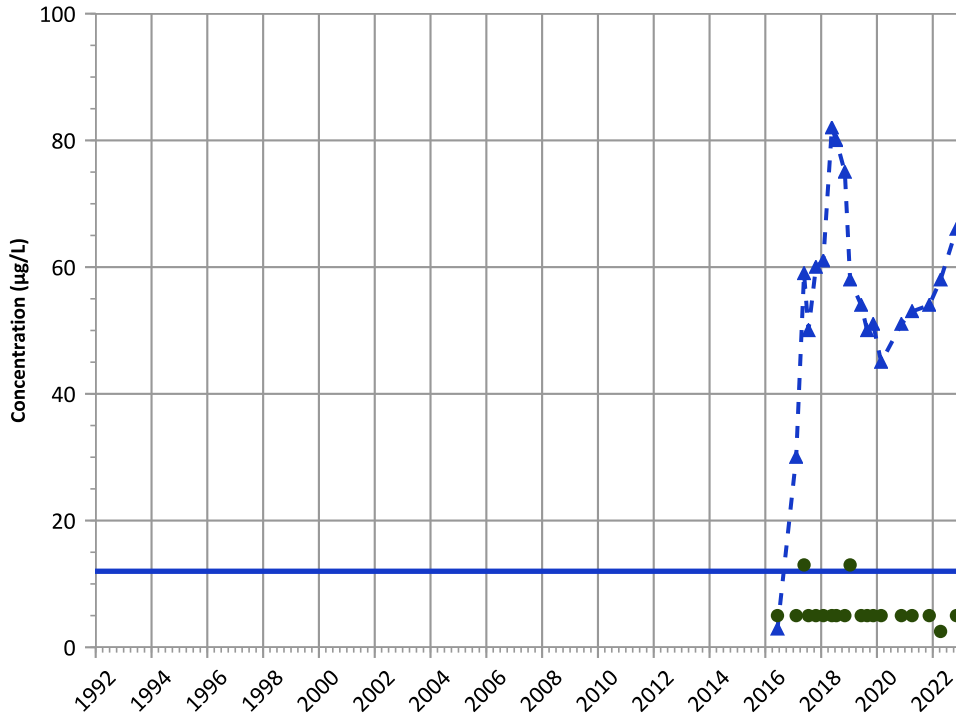
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

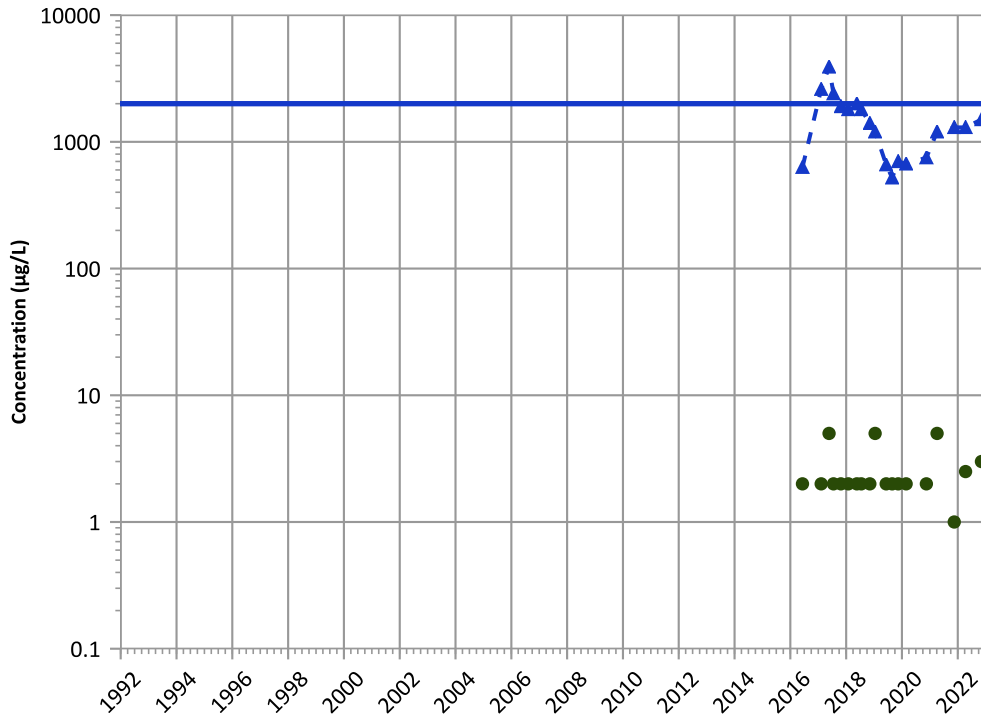


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Barium Trend



Concentration Trend

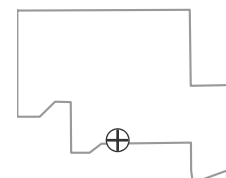
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

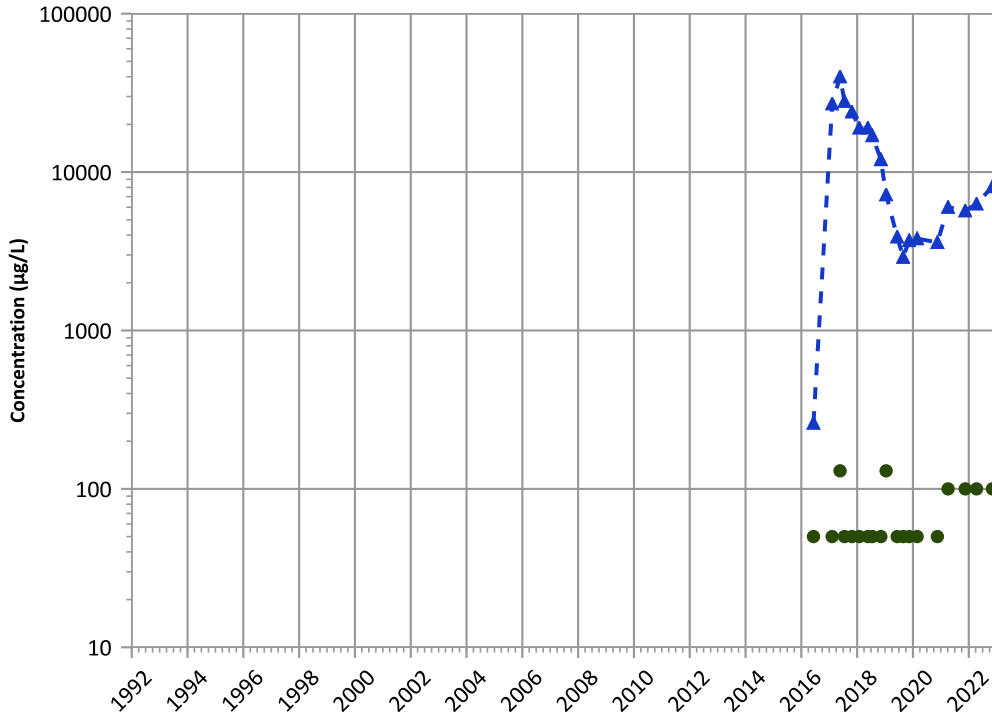
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1173 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

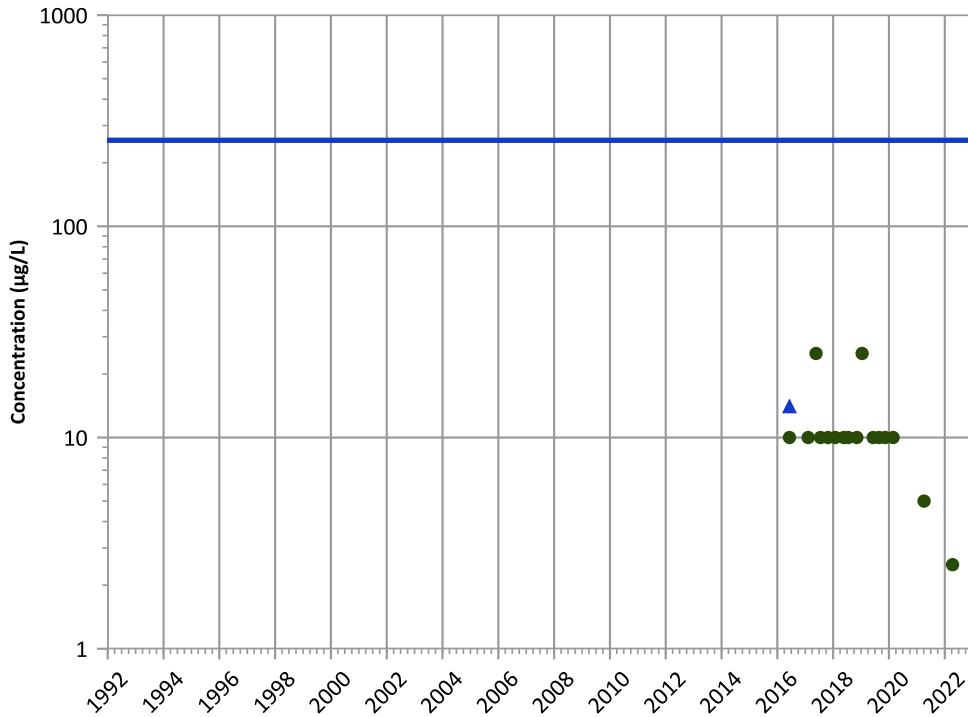


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

Vanadium Trend

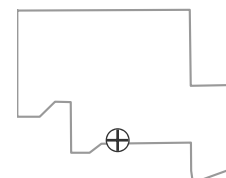


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

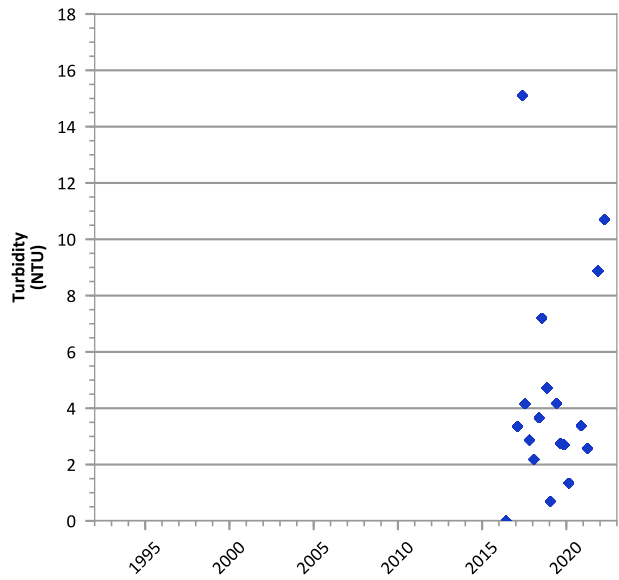
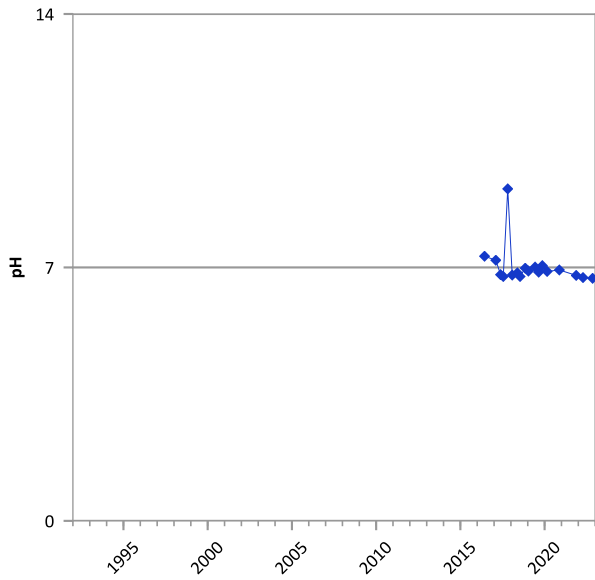
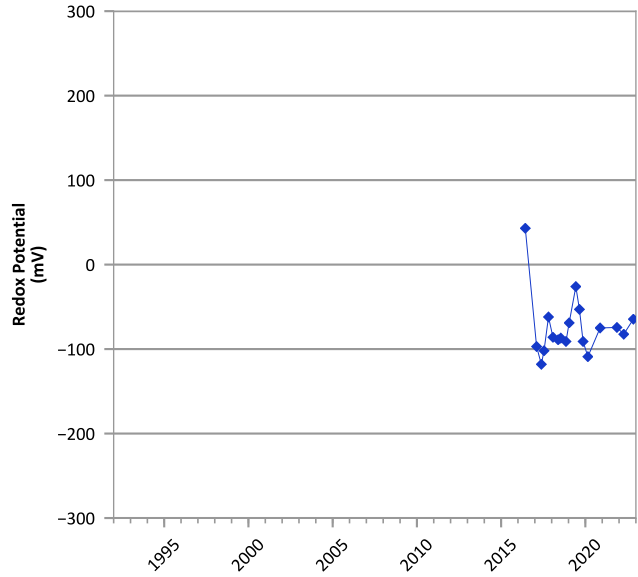
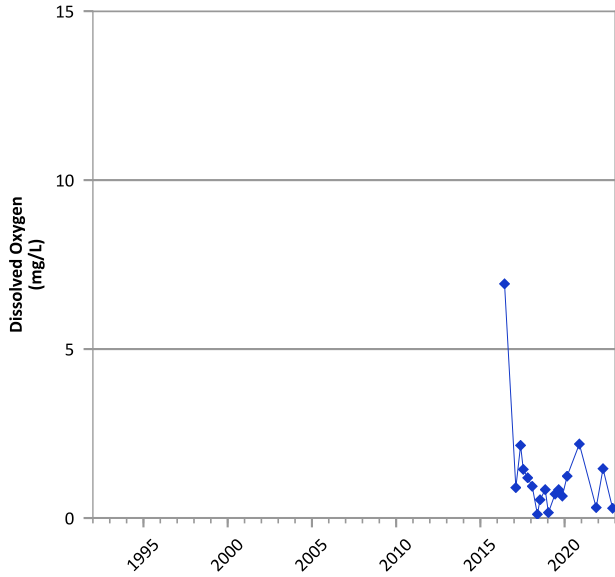
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

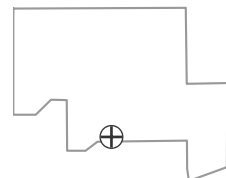
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



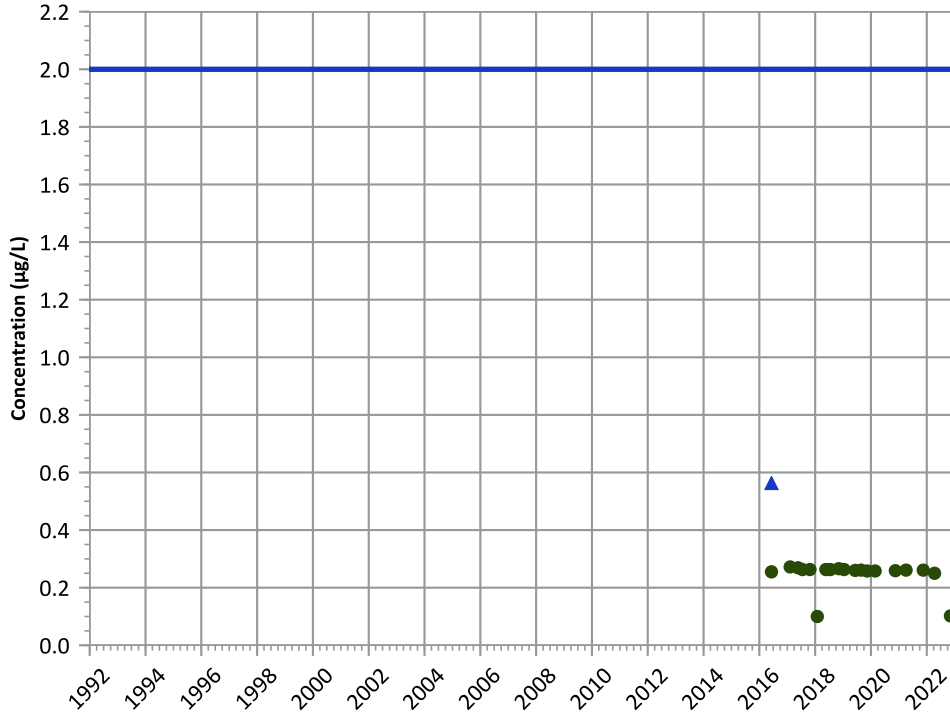
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/08/2016 to 11/07/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

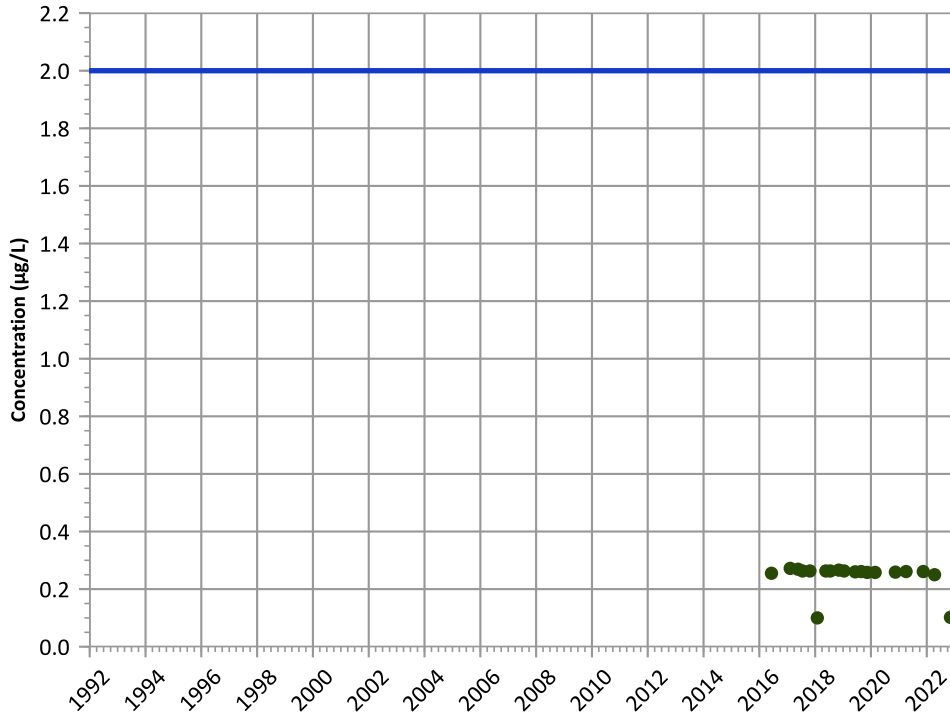


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

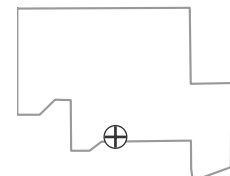
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

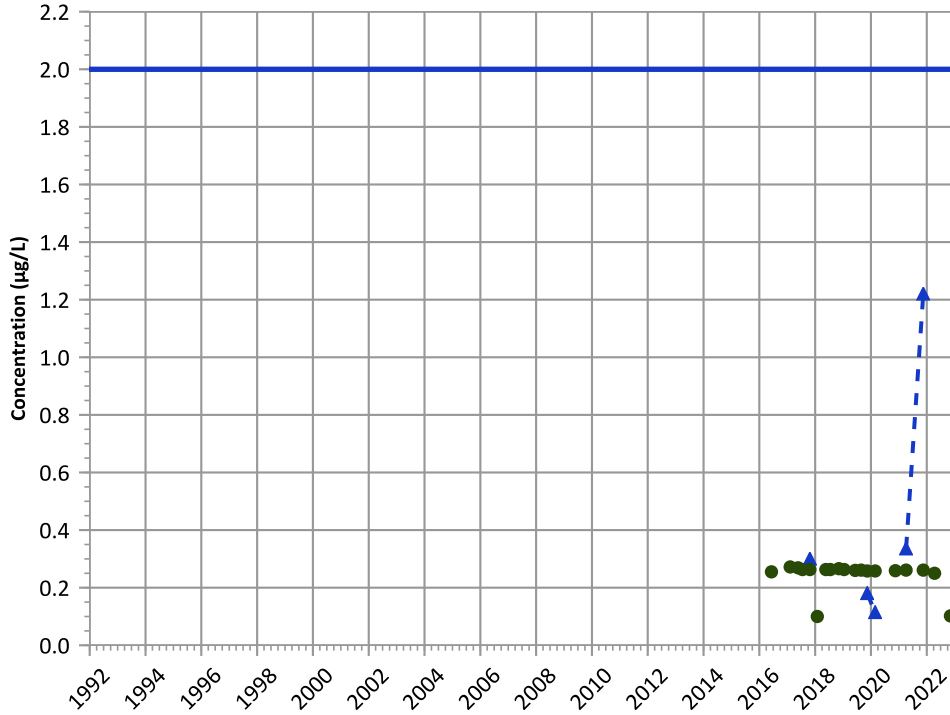
Well Location





PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

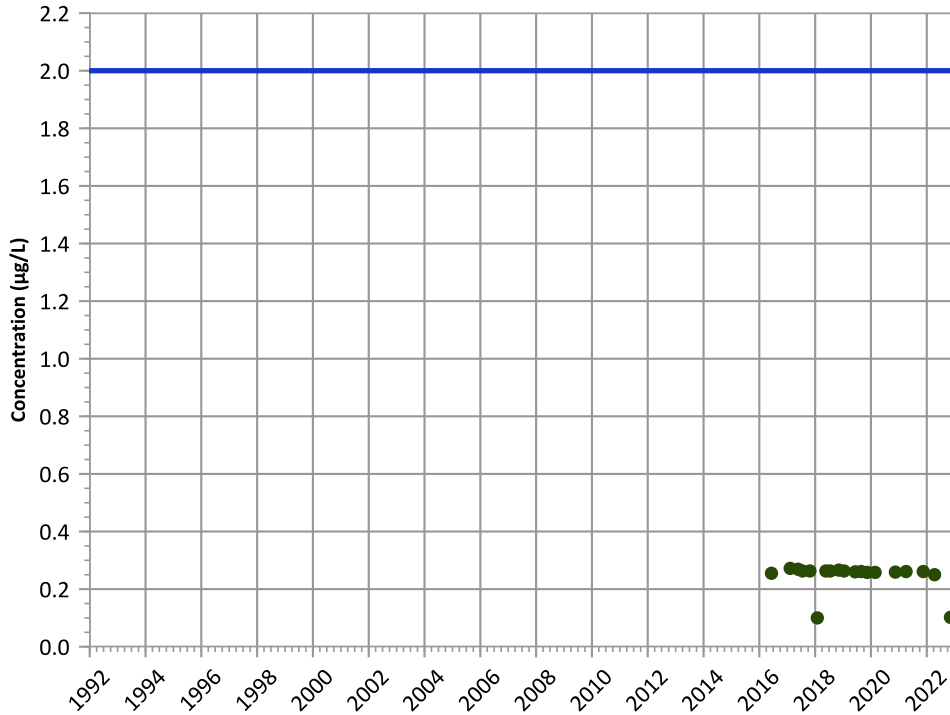


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

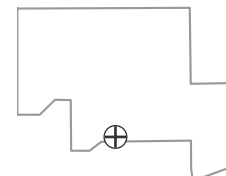
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

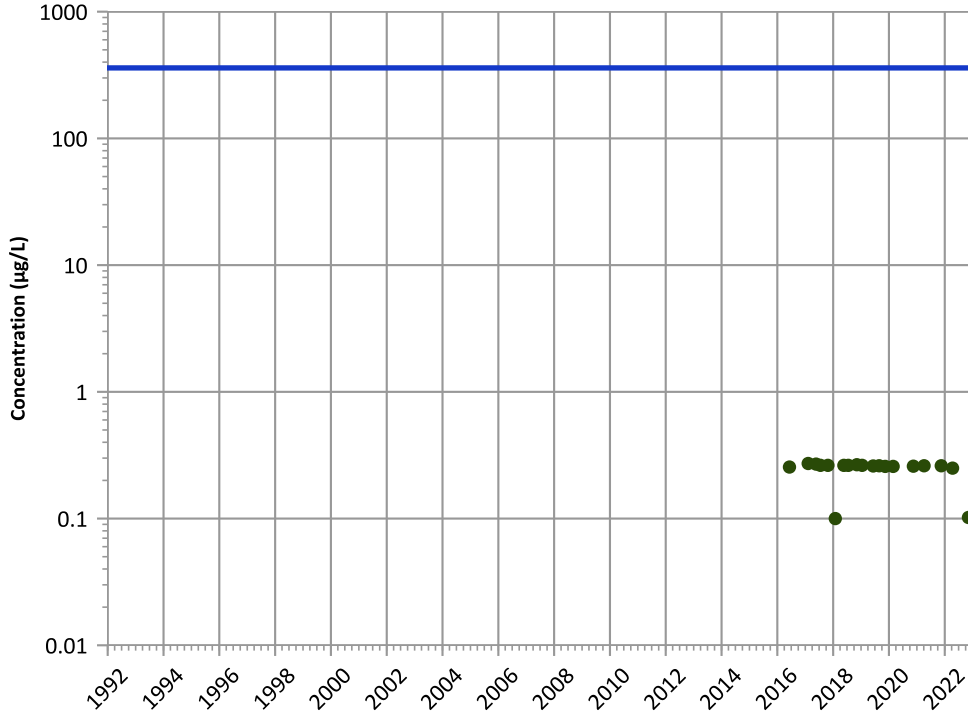
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

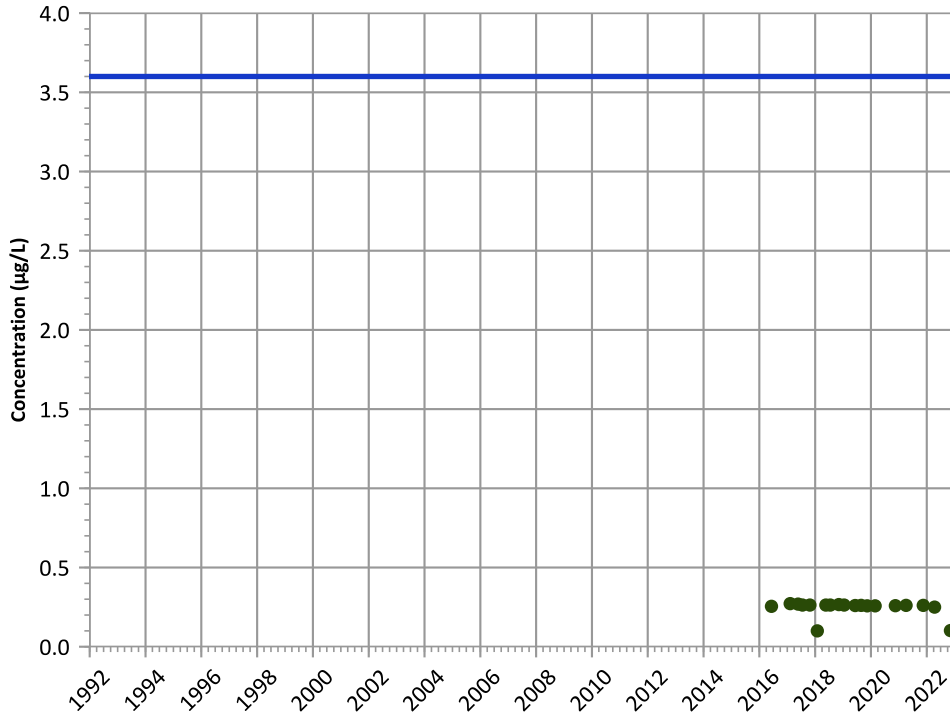
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

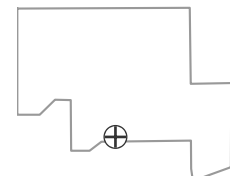
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

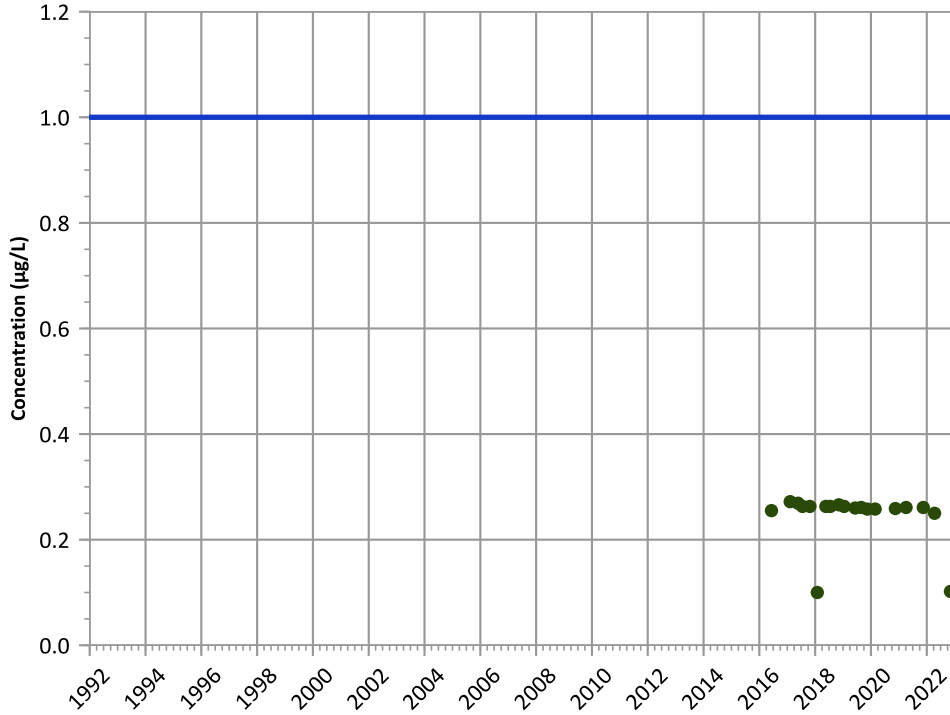
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

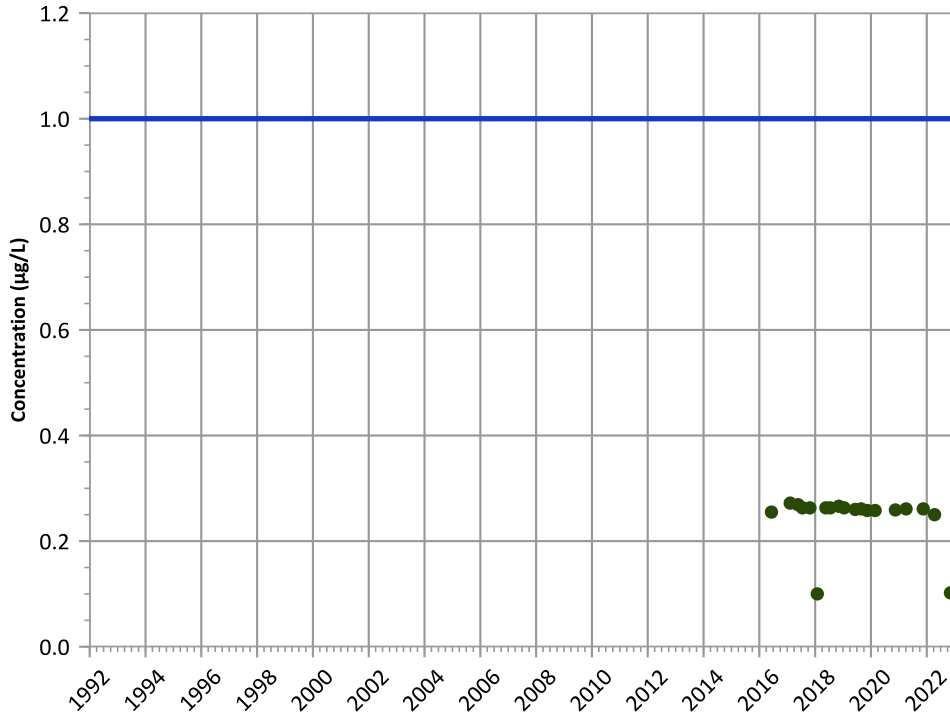
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

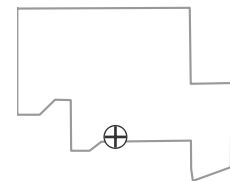
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

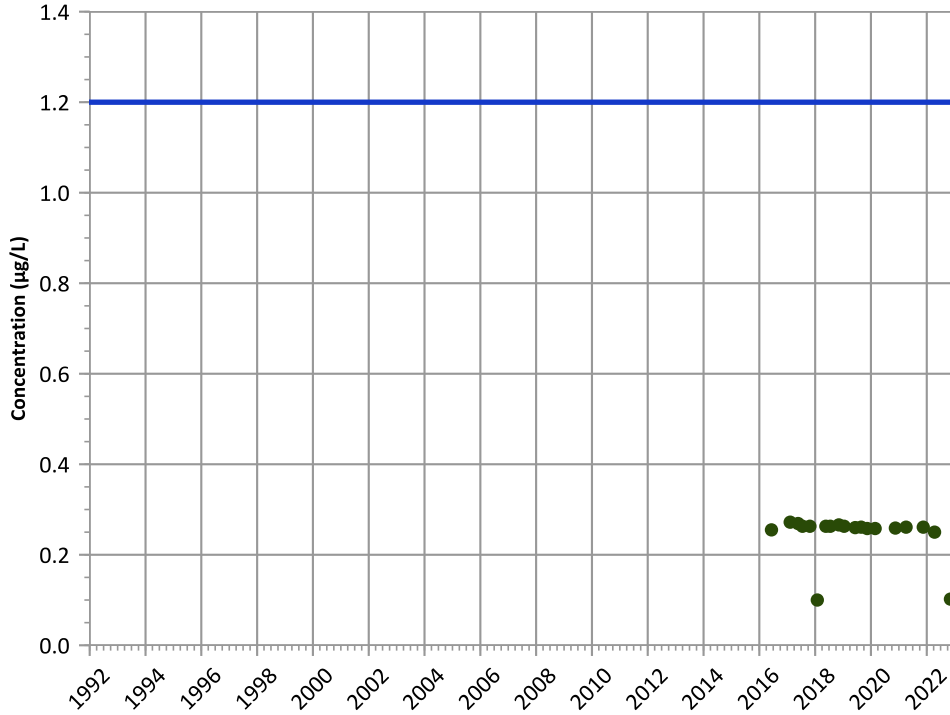


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

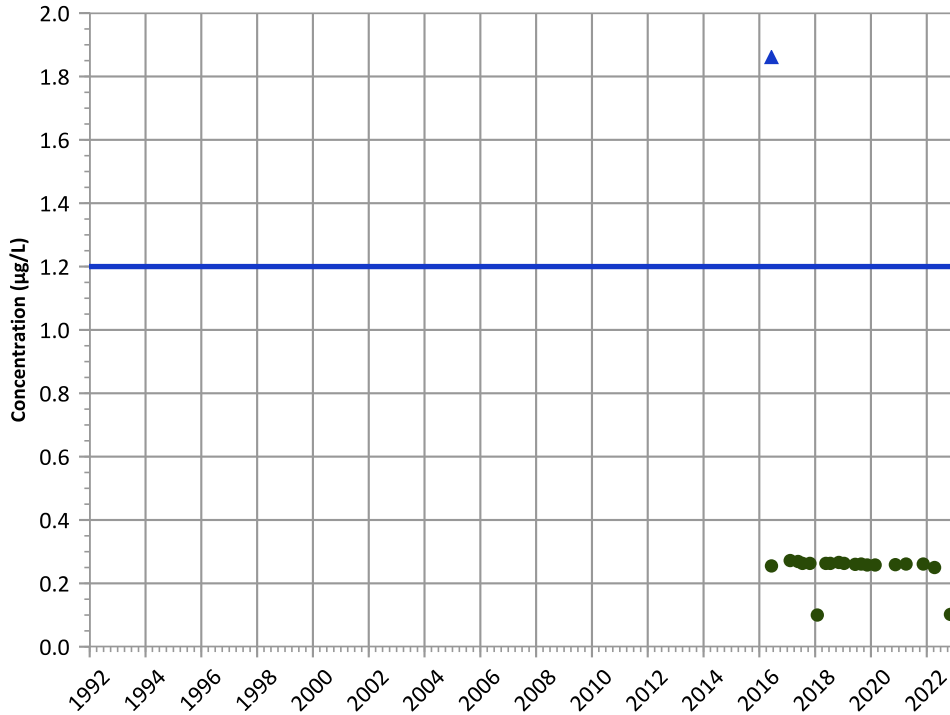
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

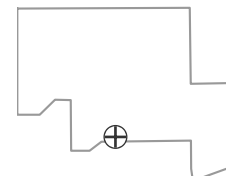
2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

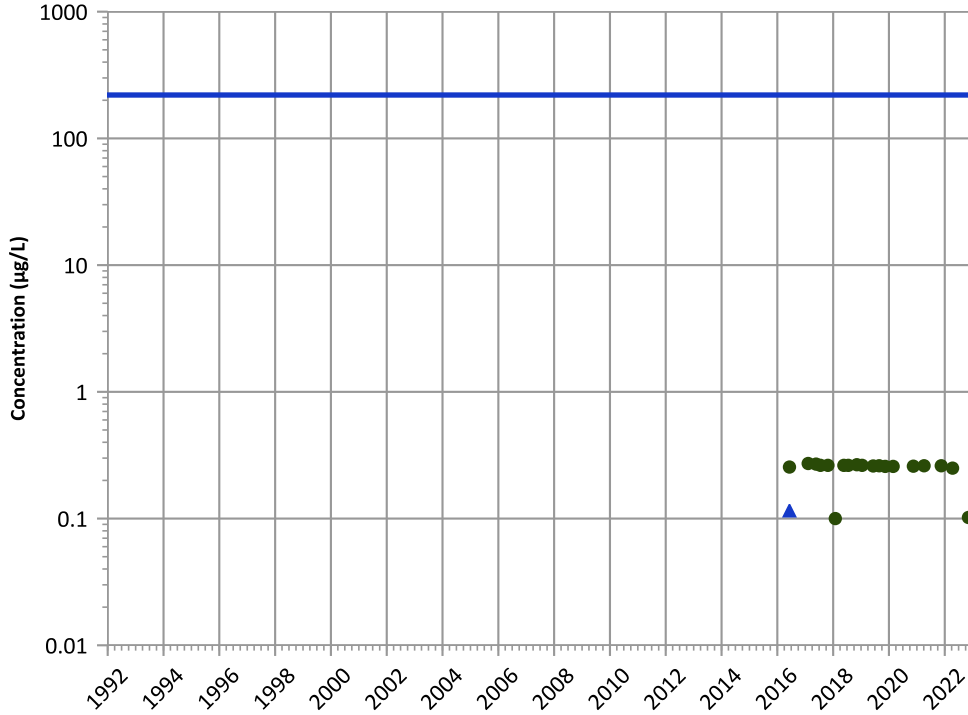
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

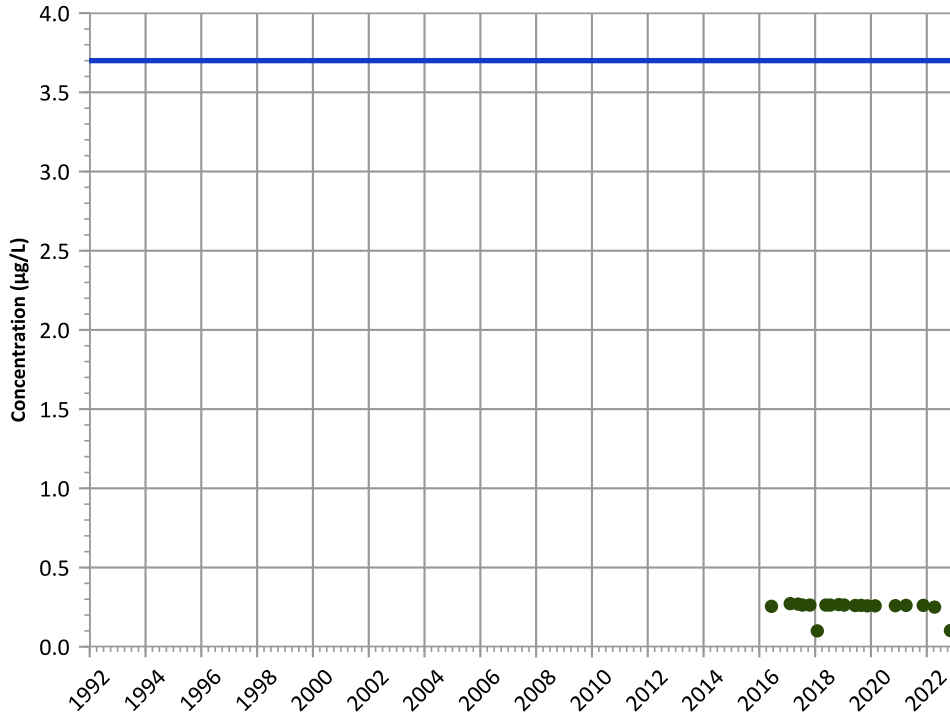


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

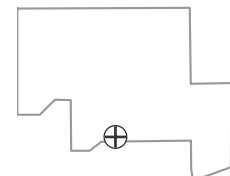
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

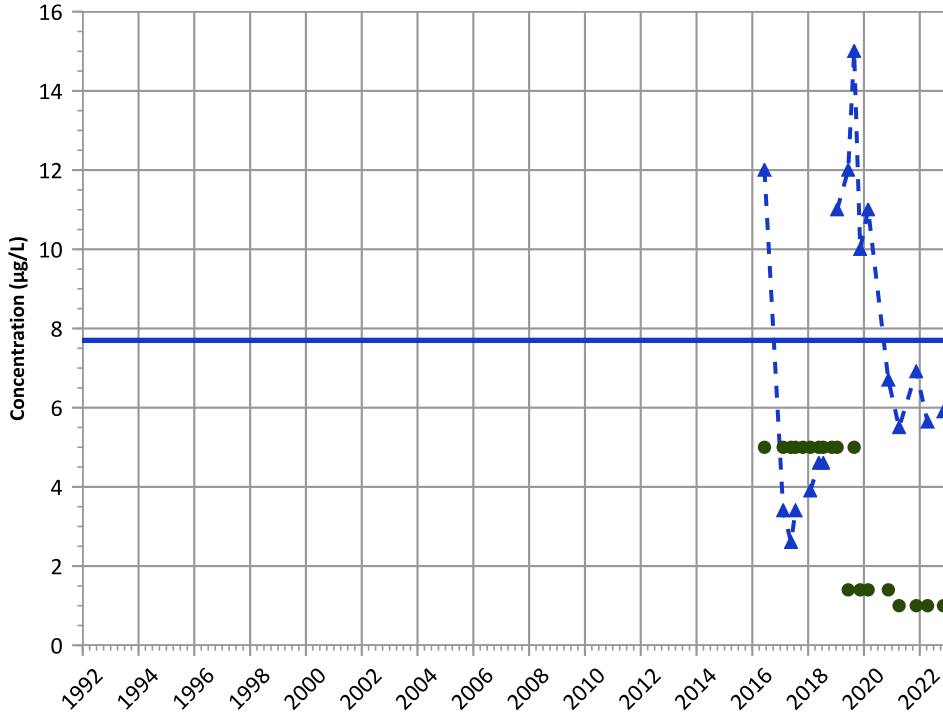
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,4-Dioxane (p-Dioxane) Trend**

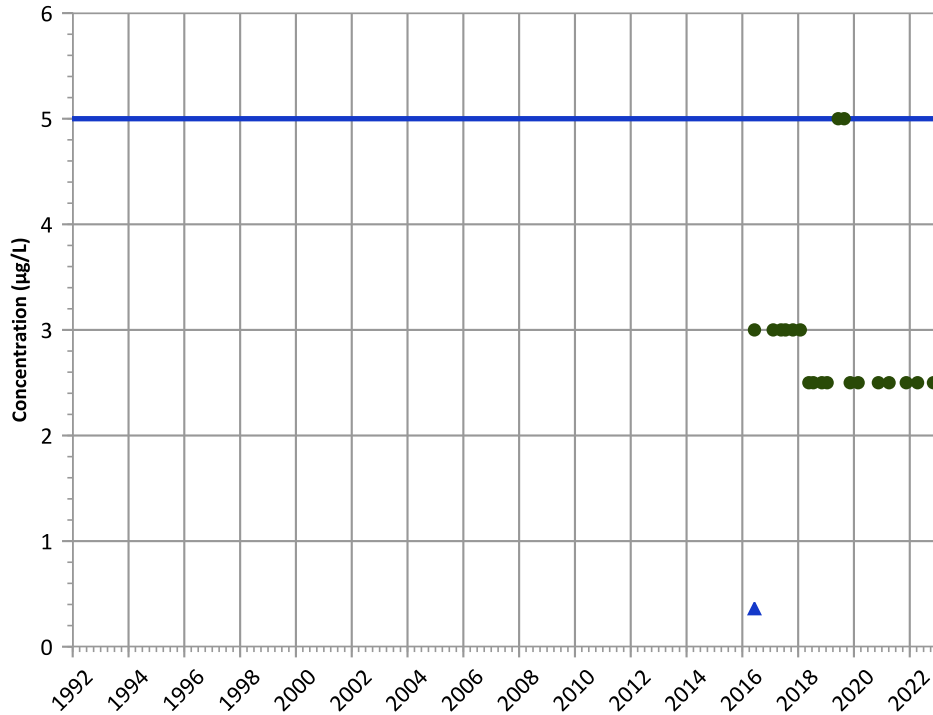


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

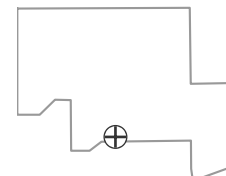
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

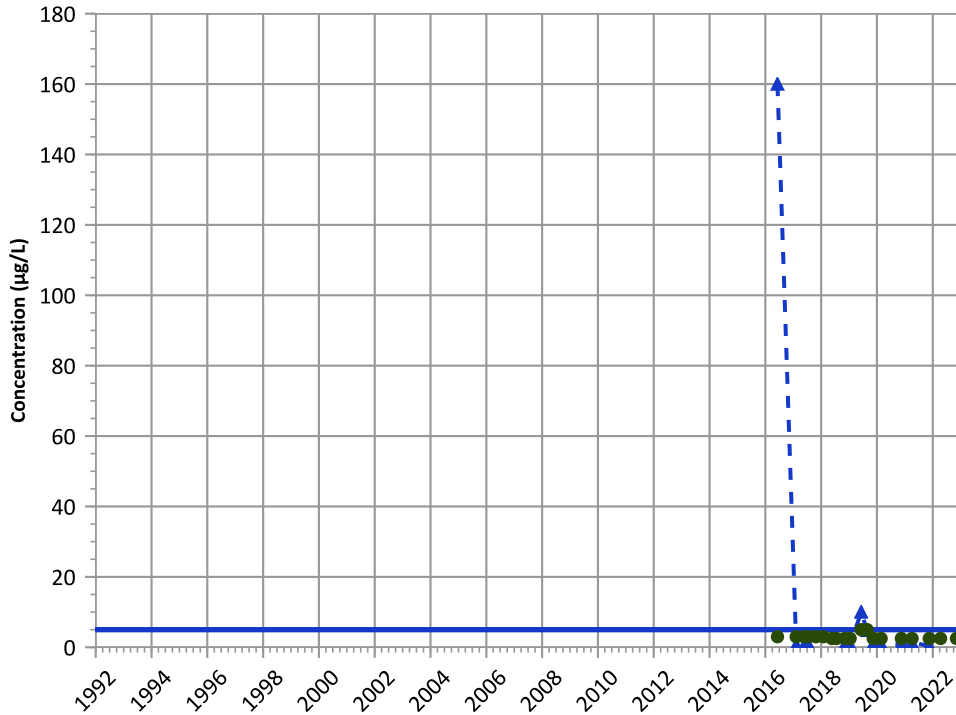
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

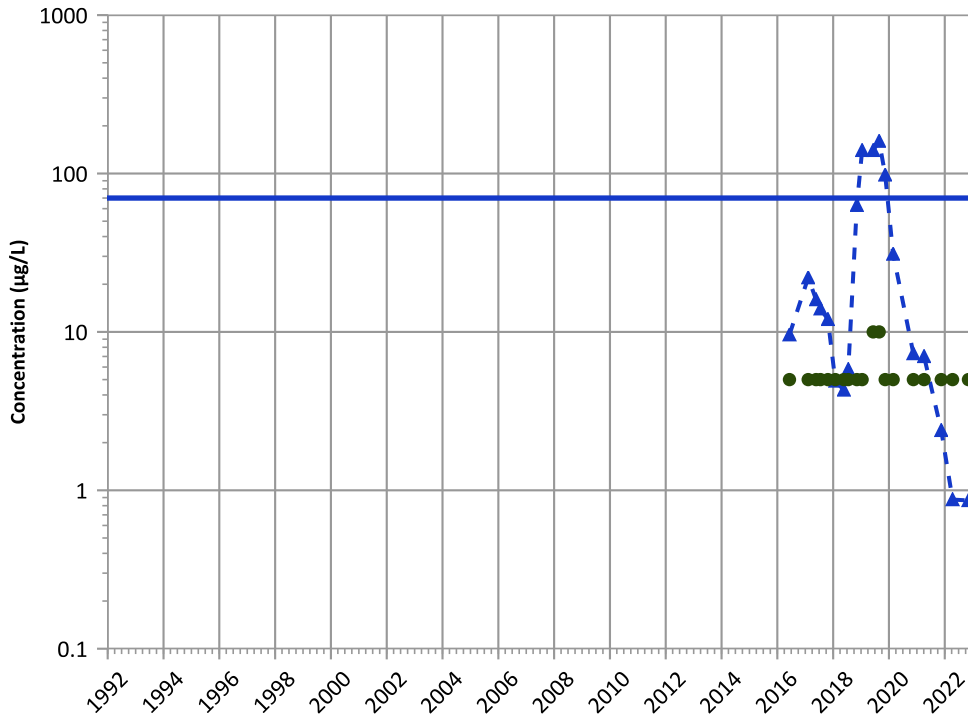


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

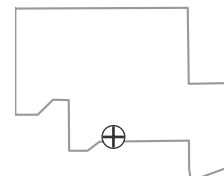
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

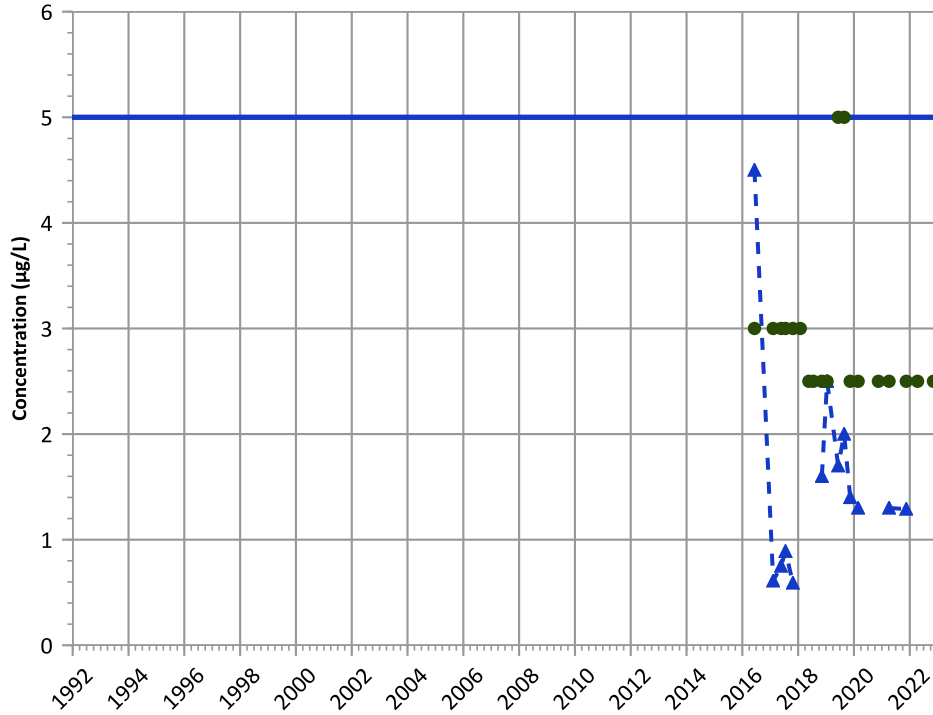
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer  
 USDOE/NNSA Pantex Plant  
 1,2-Dichloroethane Trend

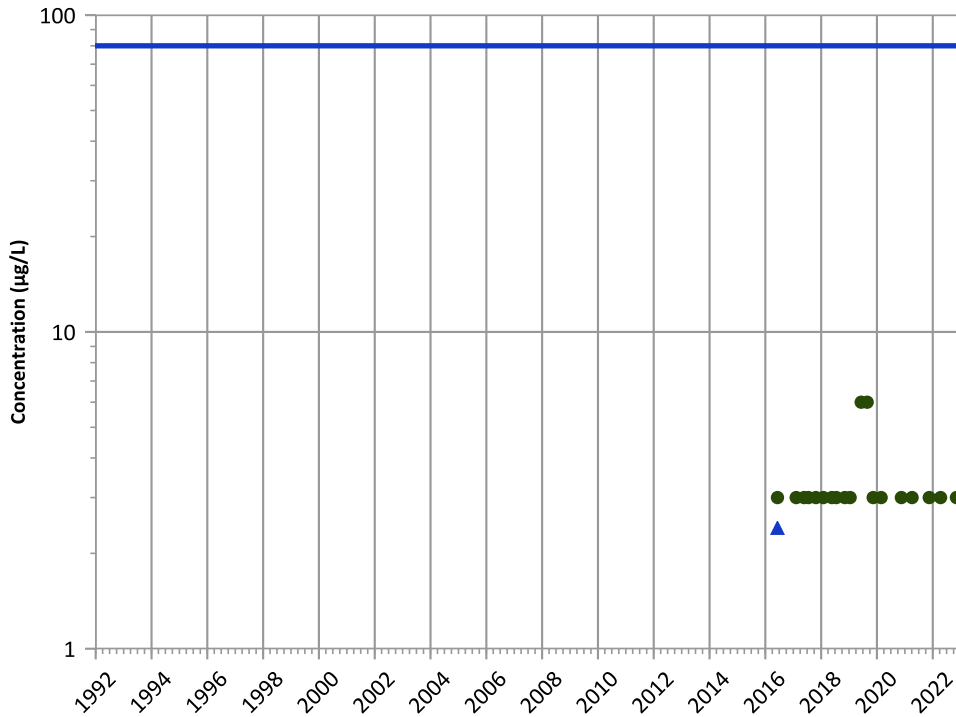


Concentration Trend

MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 No Trend  
 2020 - 2022 Data:  
 Decreasing

Chloroform Trend

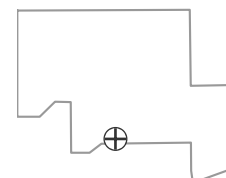


Concentration Trend

MAROS Mann-Kendall Method  
 Data (7/2009 - 12/2022):  
 N/A (<4 Detections in Dataset)  
 2020 - 2022 Data:  
 All Non-Detect

MAROS Linear Regression Method  
 Data (7/2009 - 12/2022):  
 N/A (<4 Detections in Dataset)  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)

Well Location



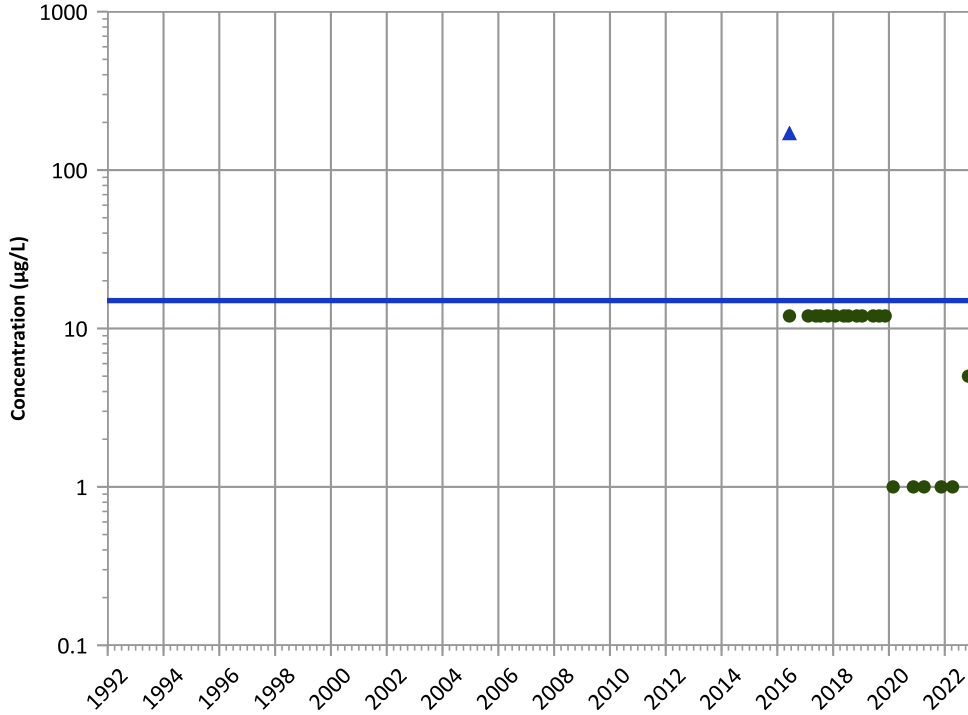
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/08/2016 to 11/07/2022  
 Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

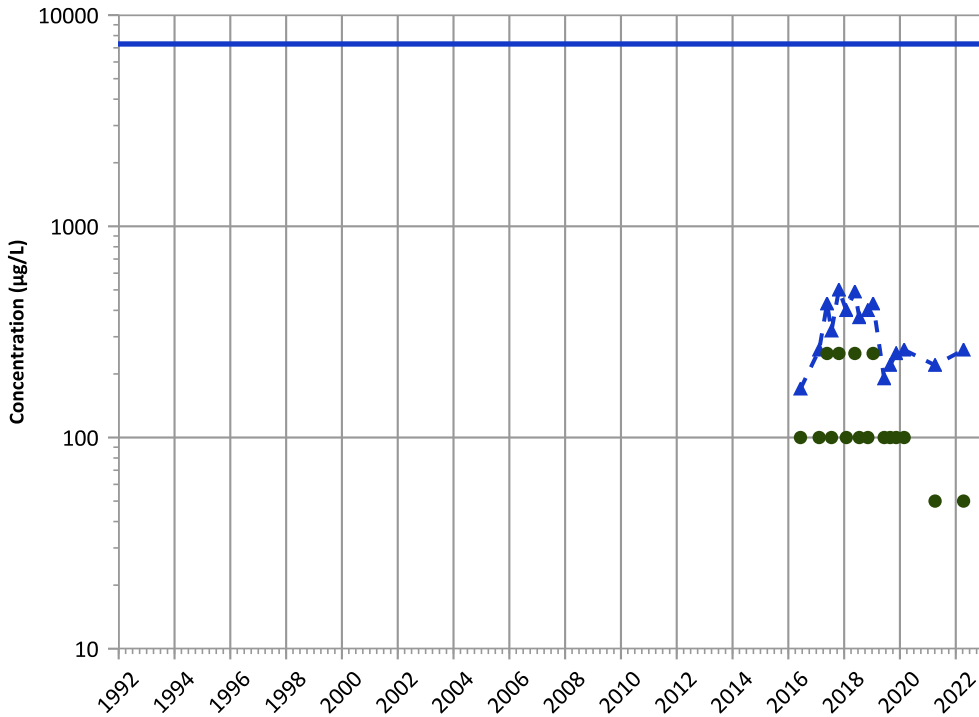


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

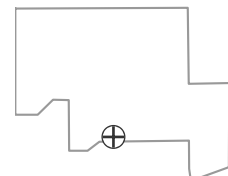
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

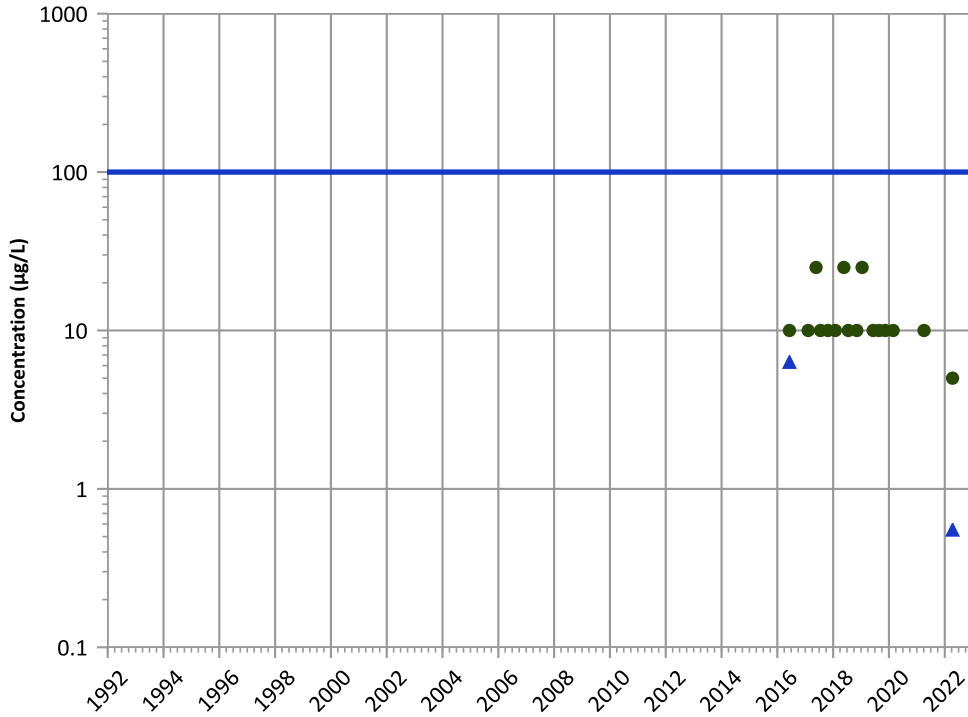
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

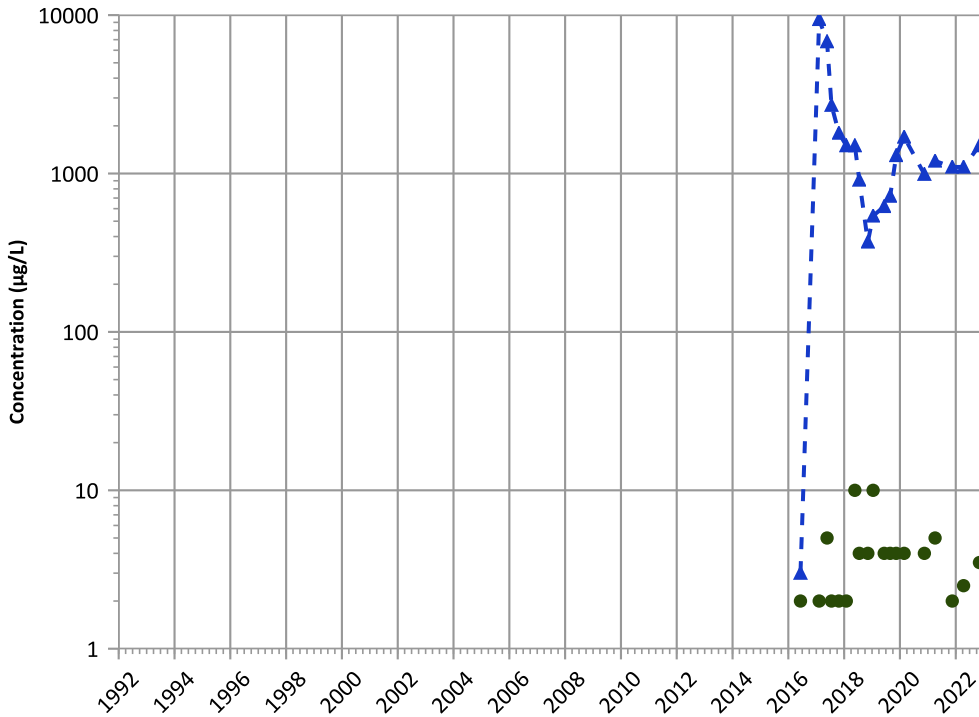
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

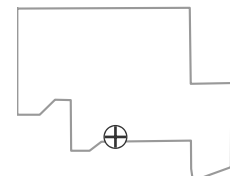
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

Well Location

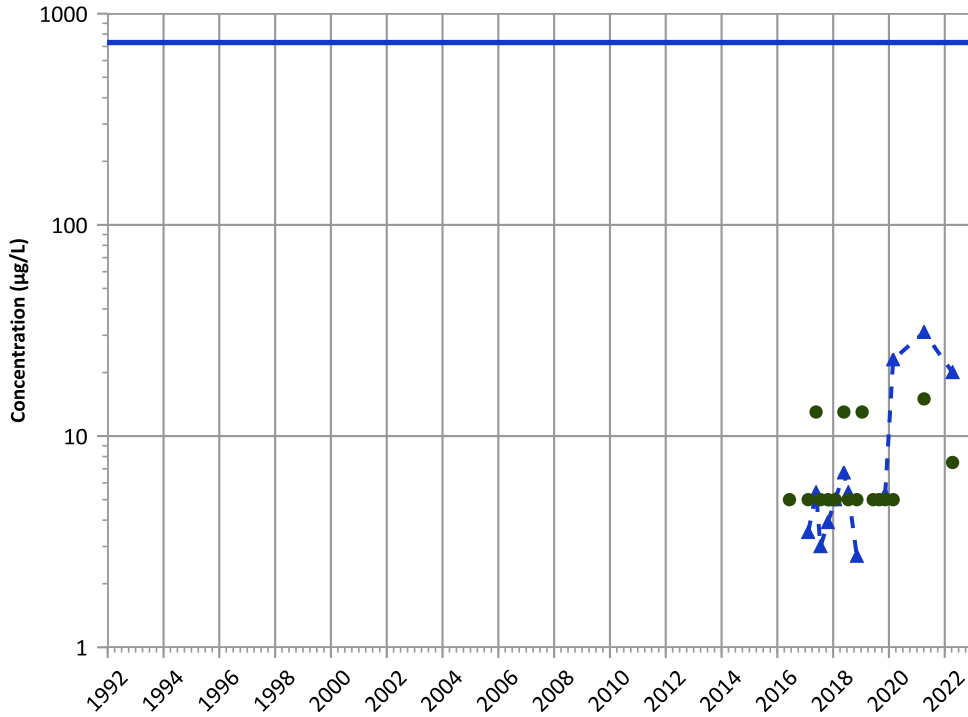


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

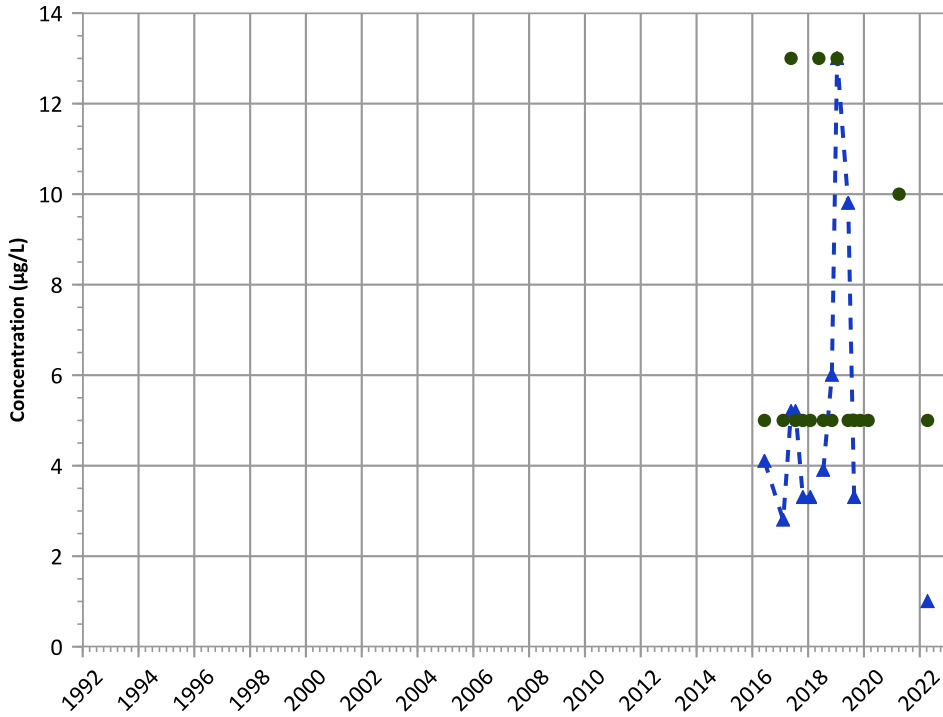


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

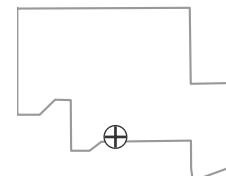
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

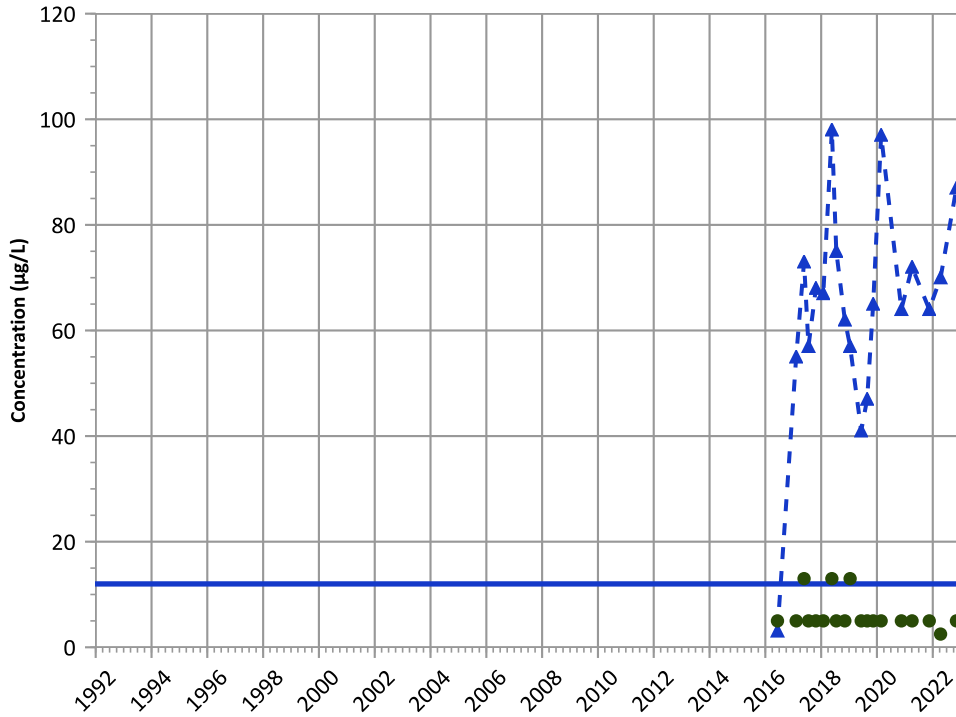
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

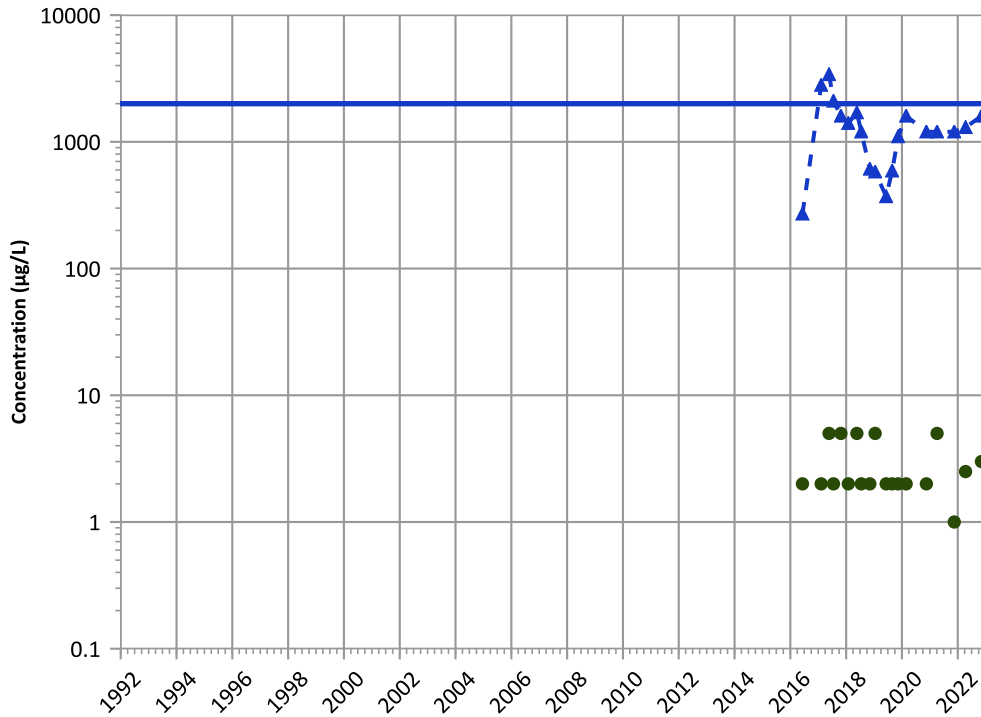


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Barium Trend



Concentration Trend

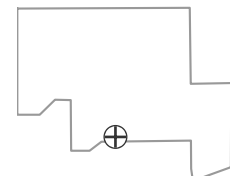
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

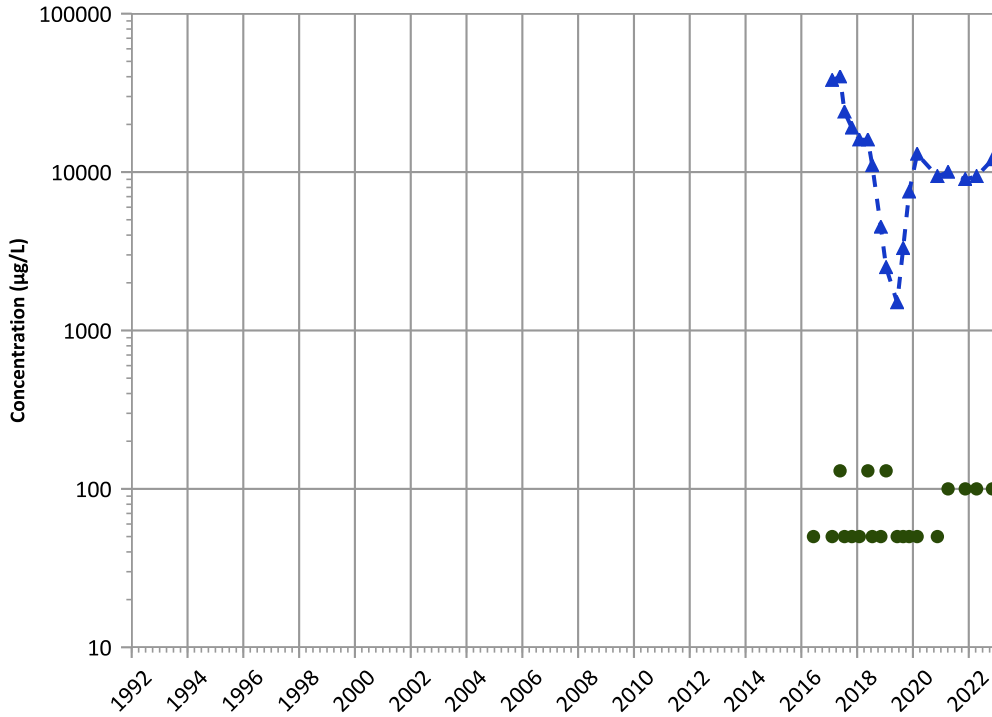
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

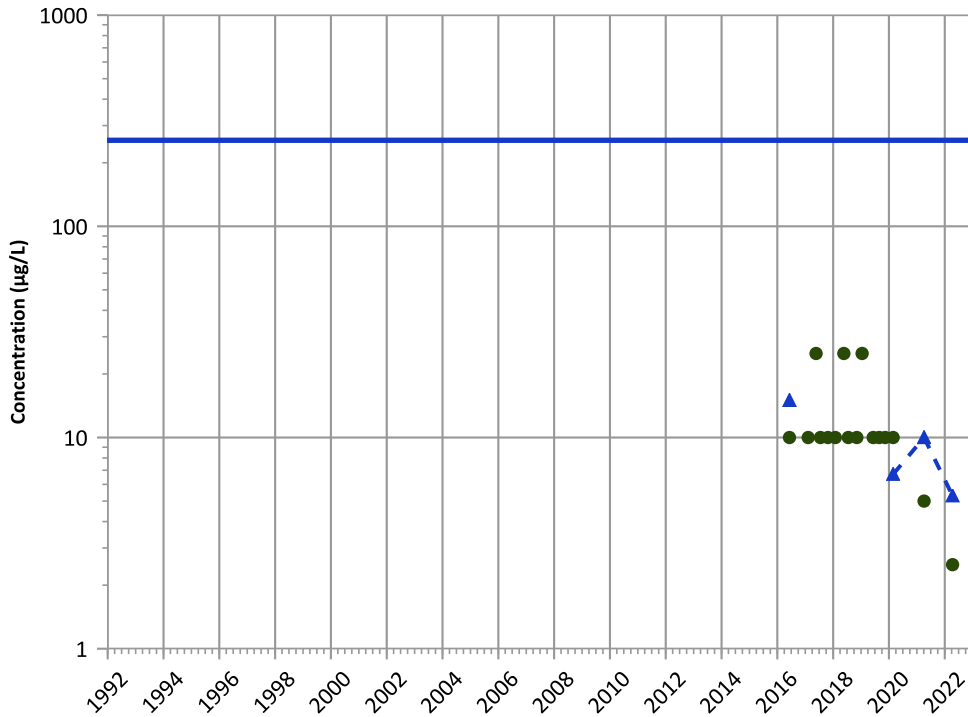
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

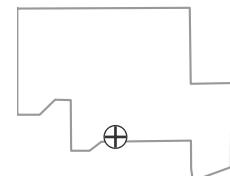
Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Probably Decreasing

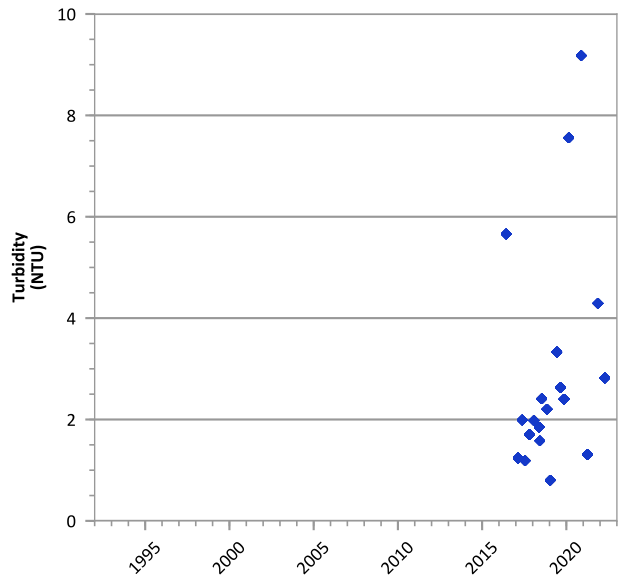
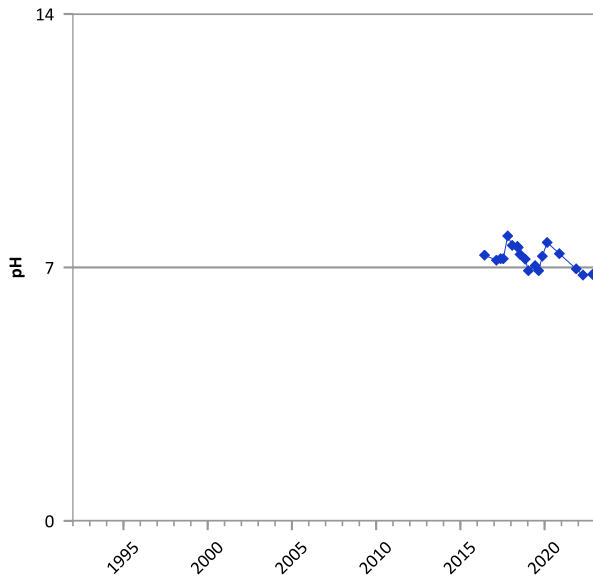
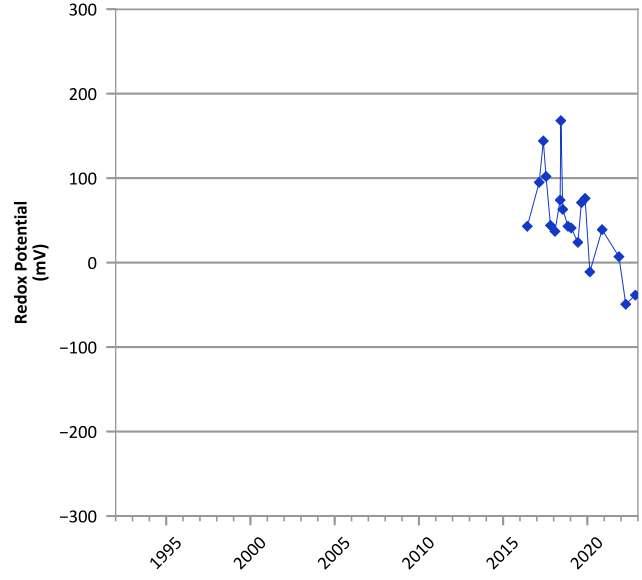
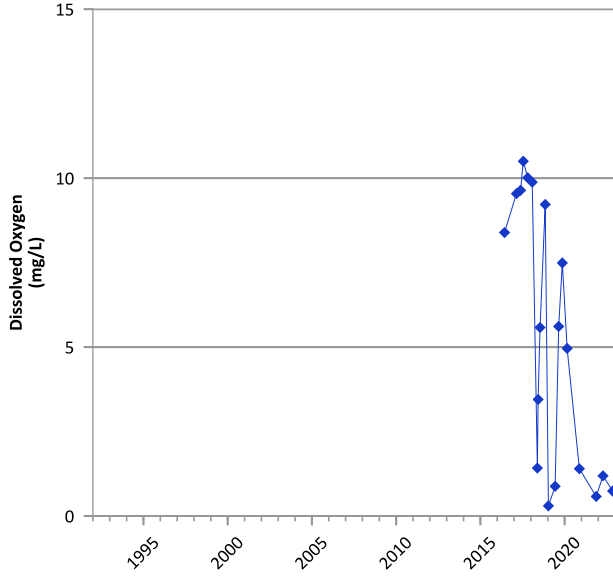
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

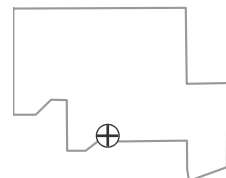
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters



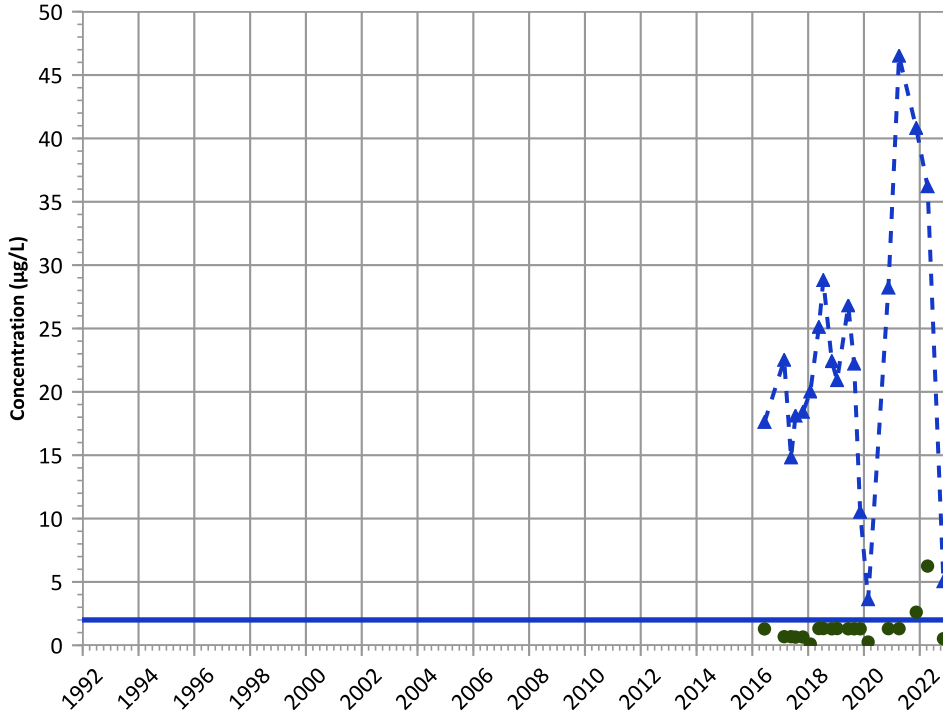
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

Well Location



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

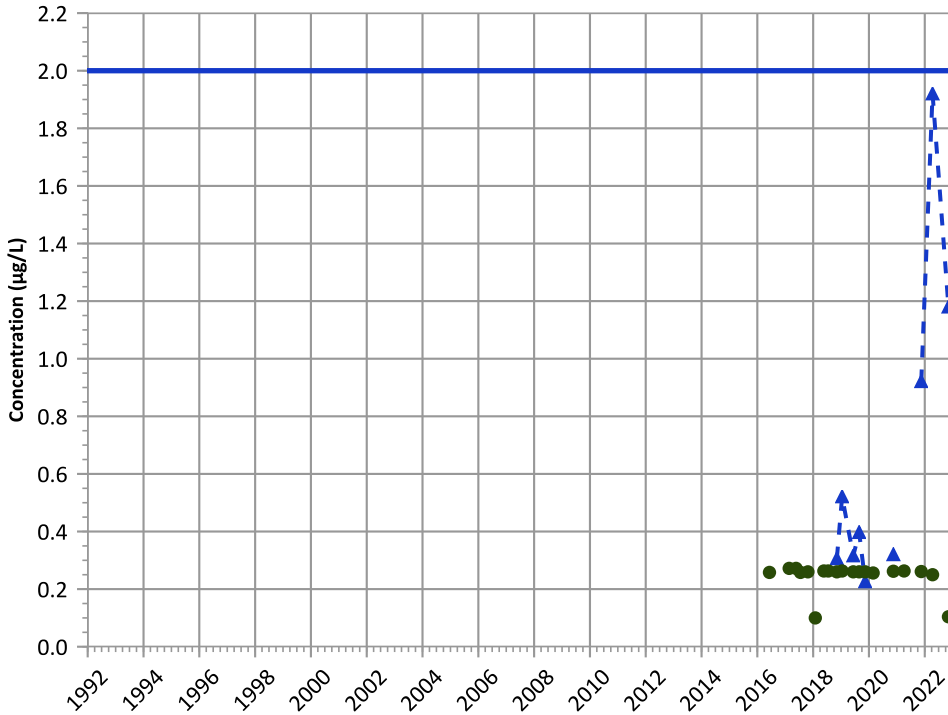
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

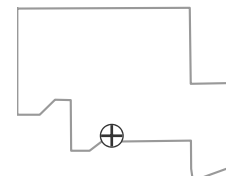
Query Date Range: 01/01/1992 to 12/31/2022

Data Date Range: 06/08/2016 to 11/07/2022

Analysis Date: 04/27/2023

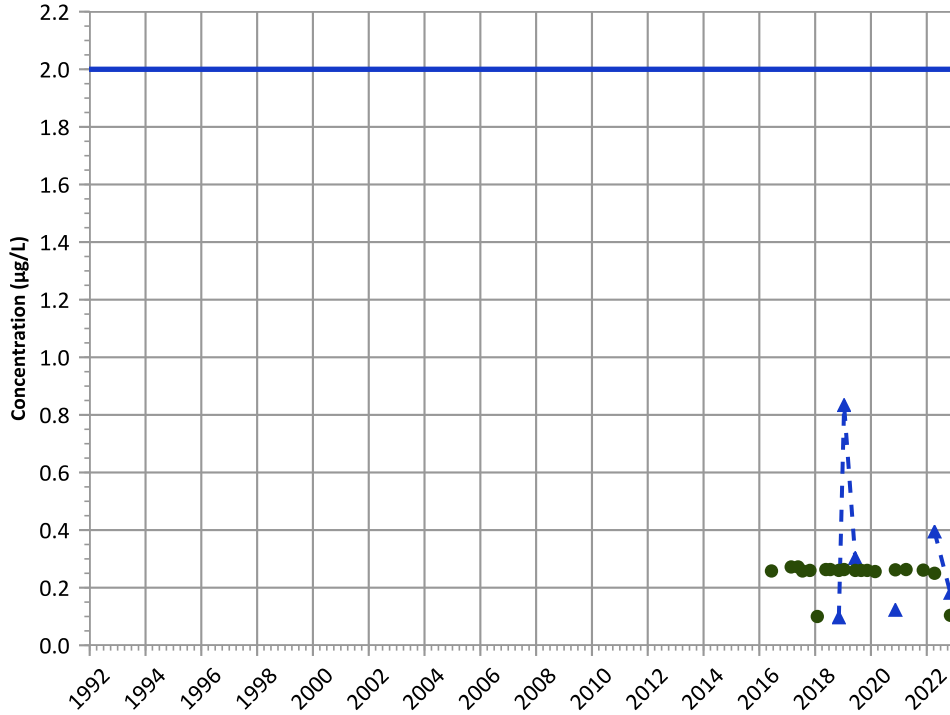
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

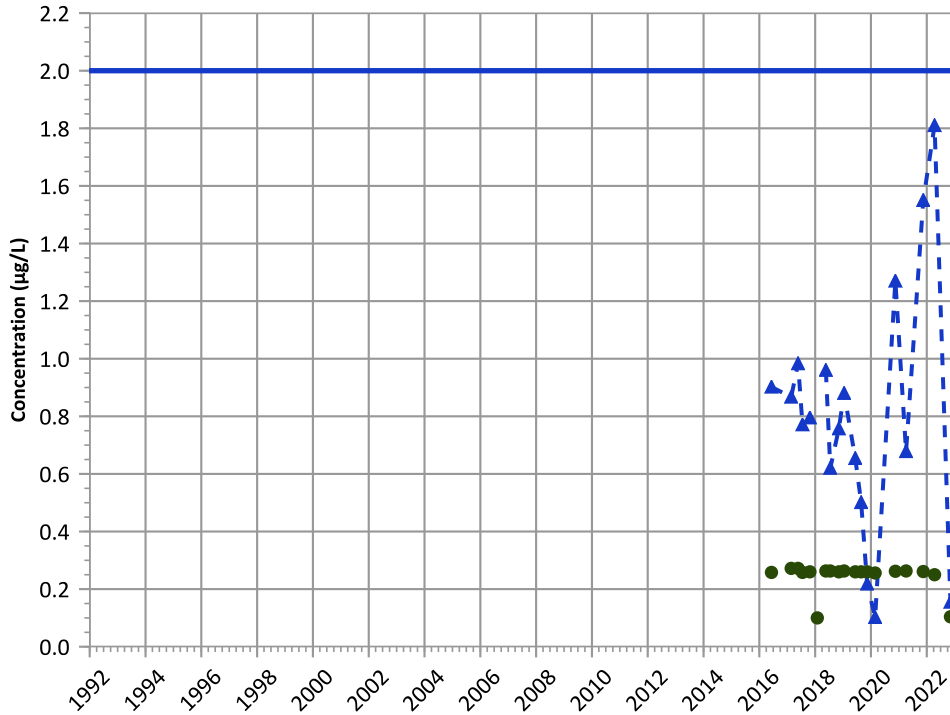


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

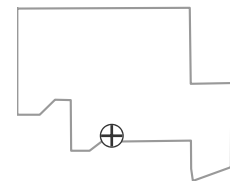


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Well Location



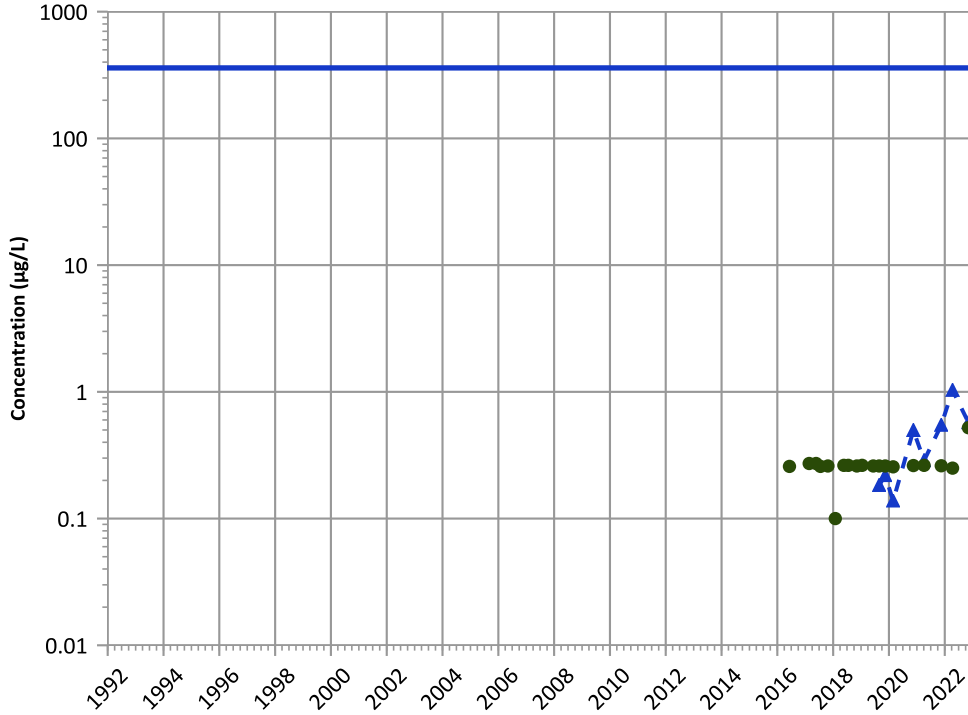
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

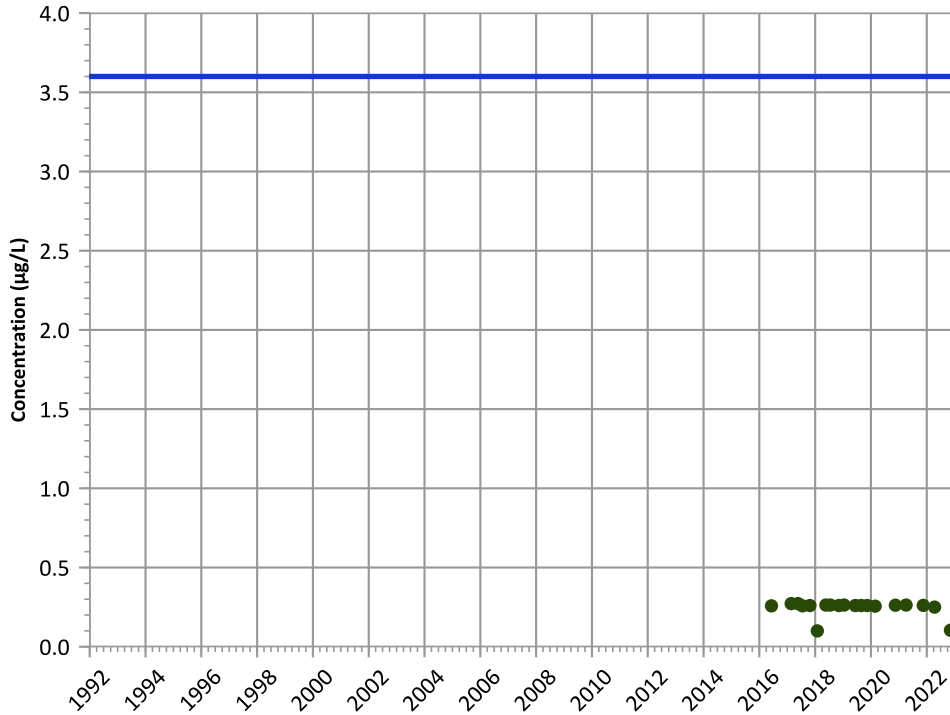
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

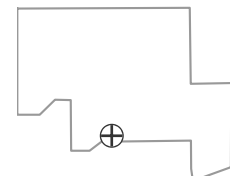
2020 - 2022 Data:

All Non-Detect

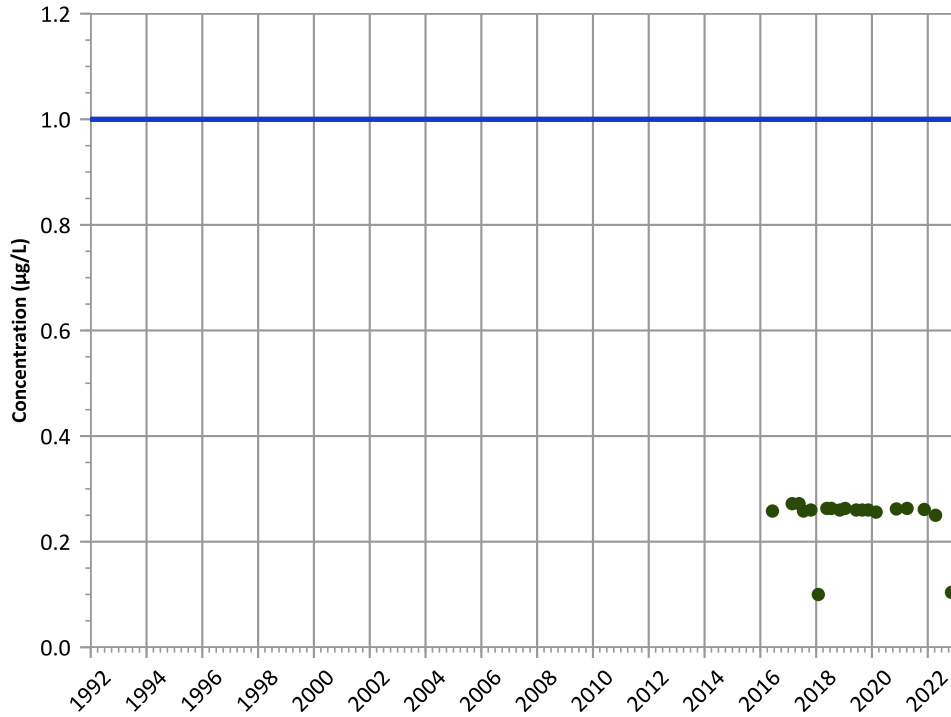
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**

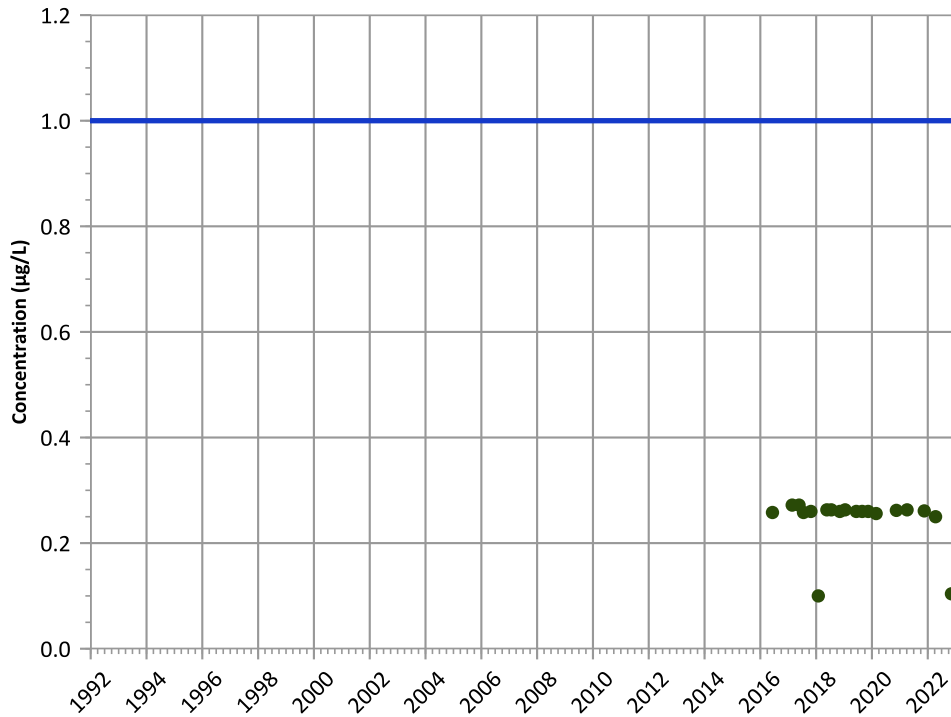


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**

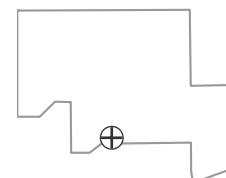


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

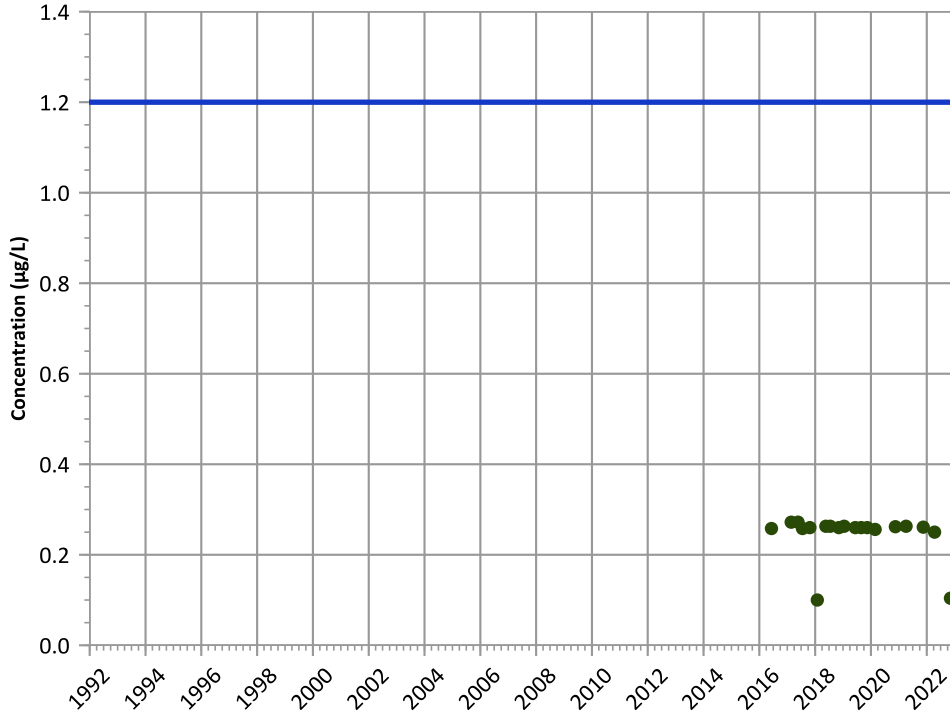


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

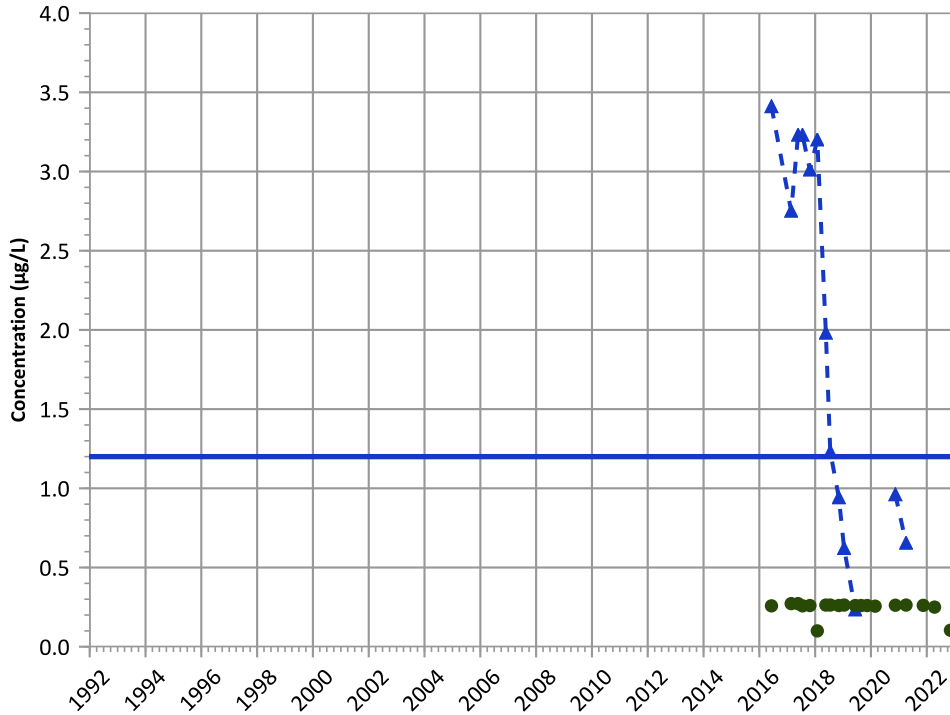
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

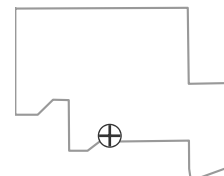
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

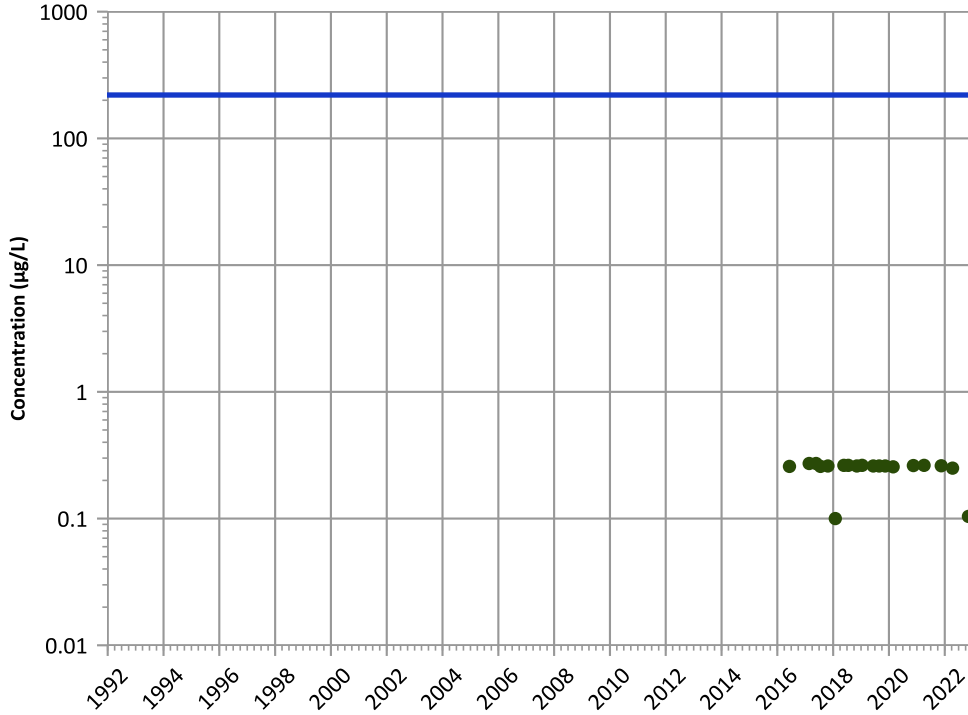
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

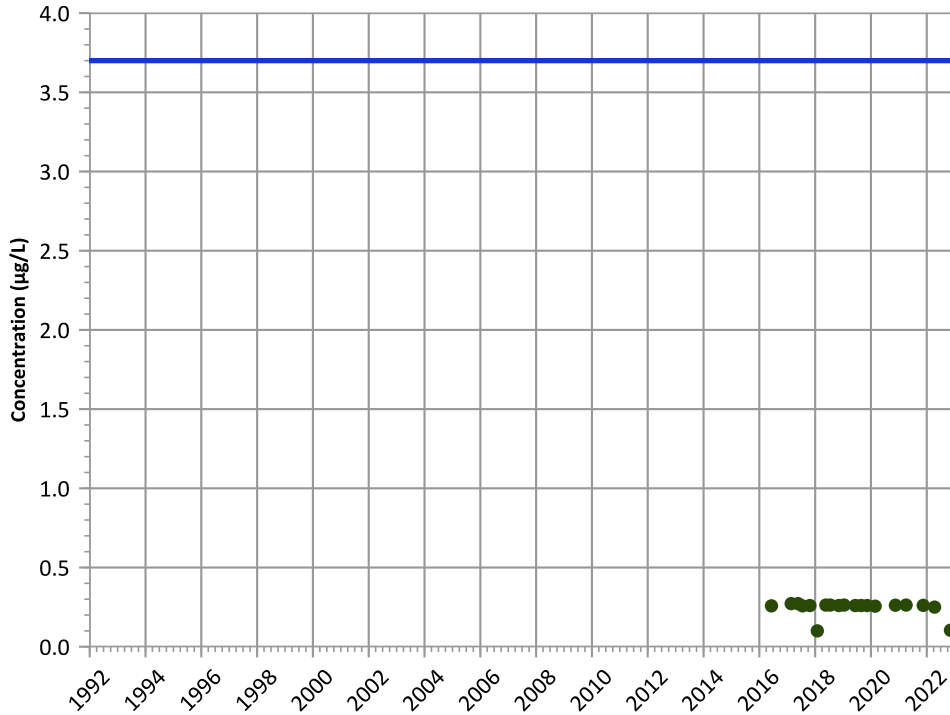
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

All Non-Detect

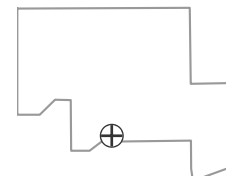
2020 - 2022 Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

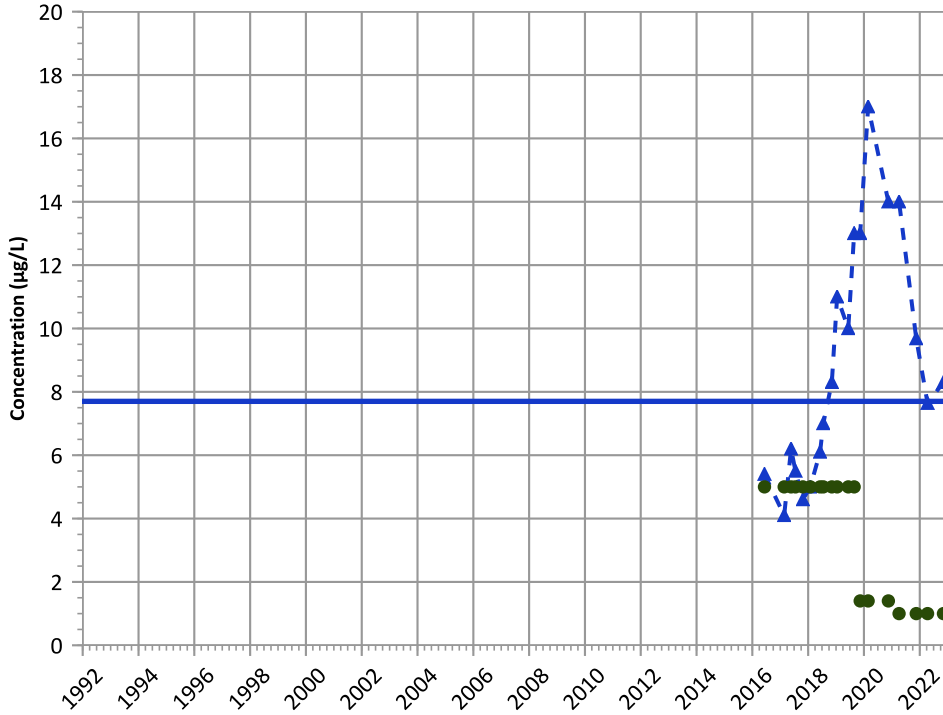
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

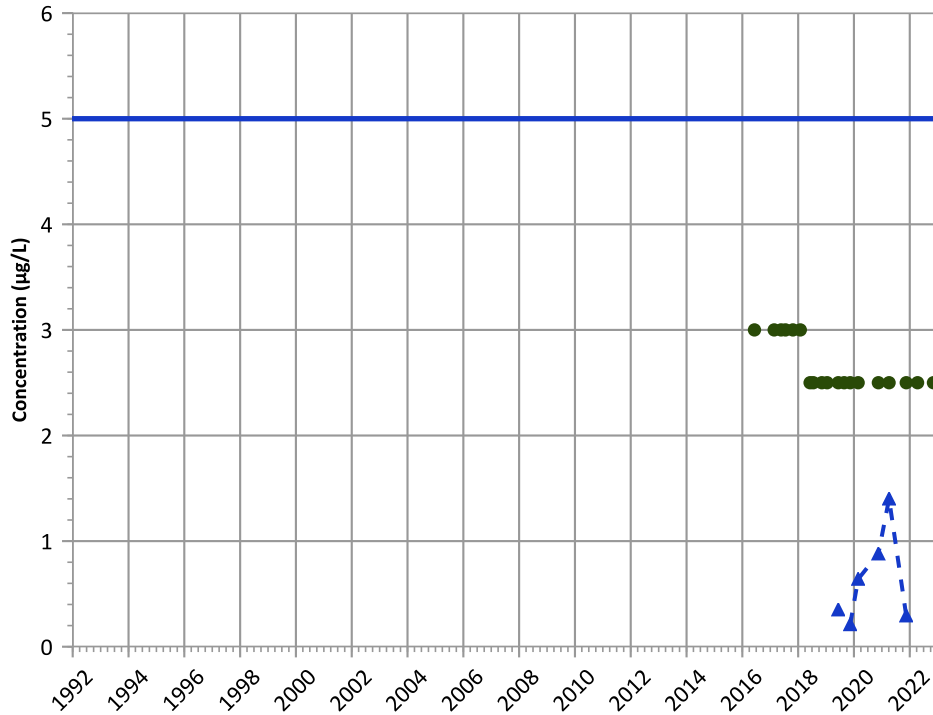
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Decreasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

No Trend

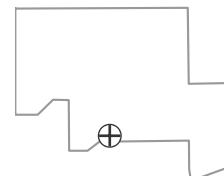
2020 - 2022 Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

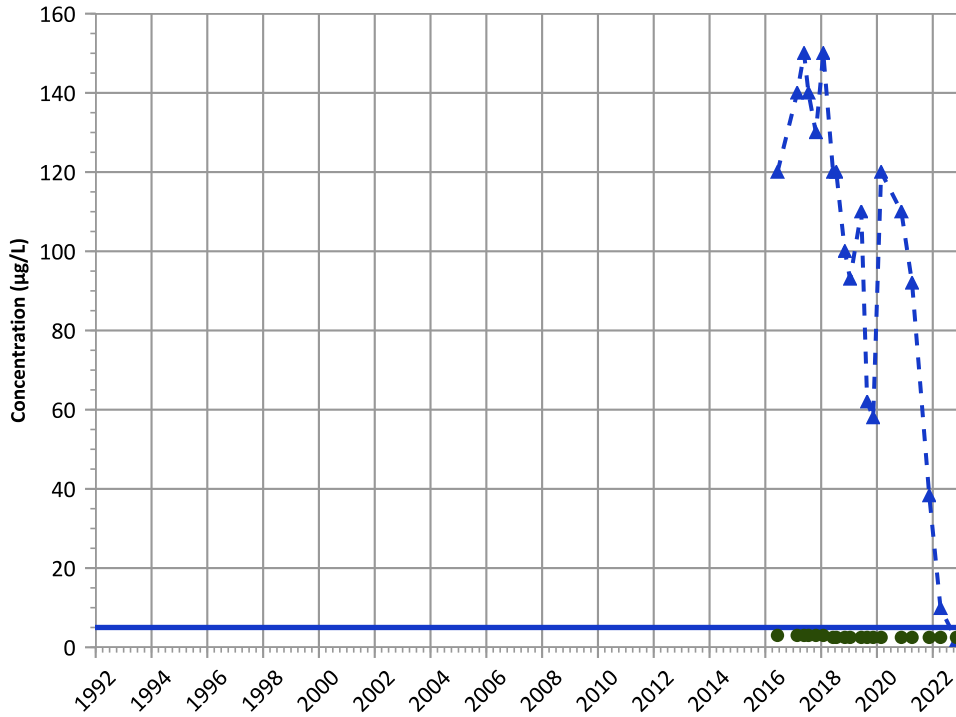
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

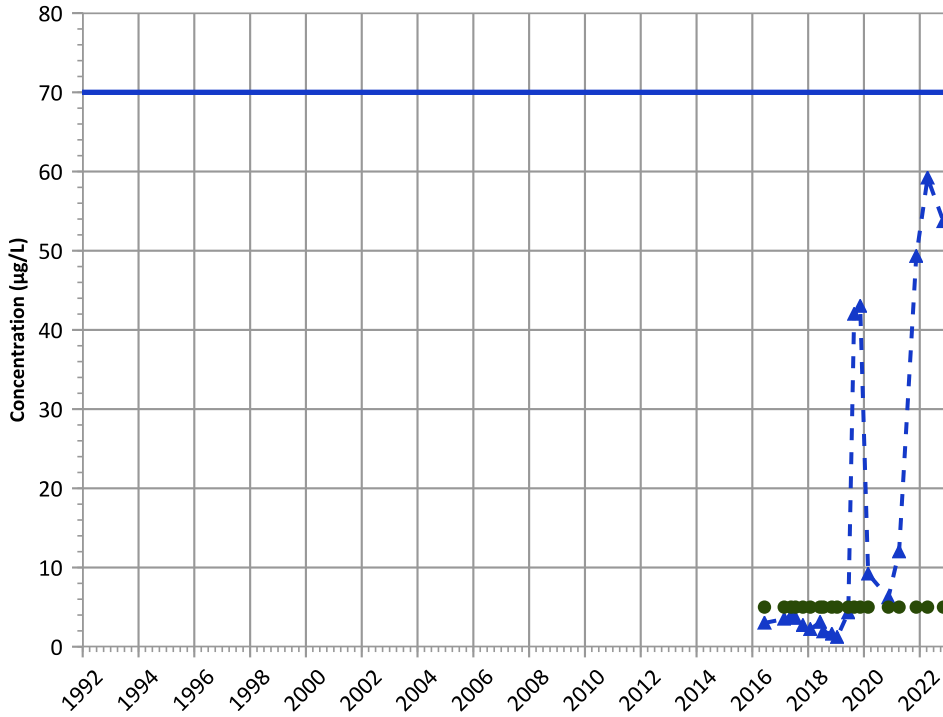


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

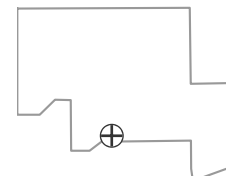
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

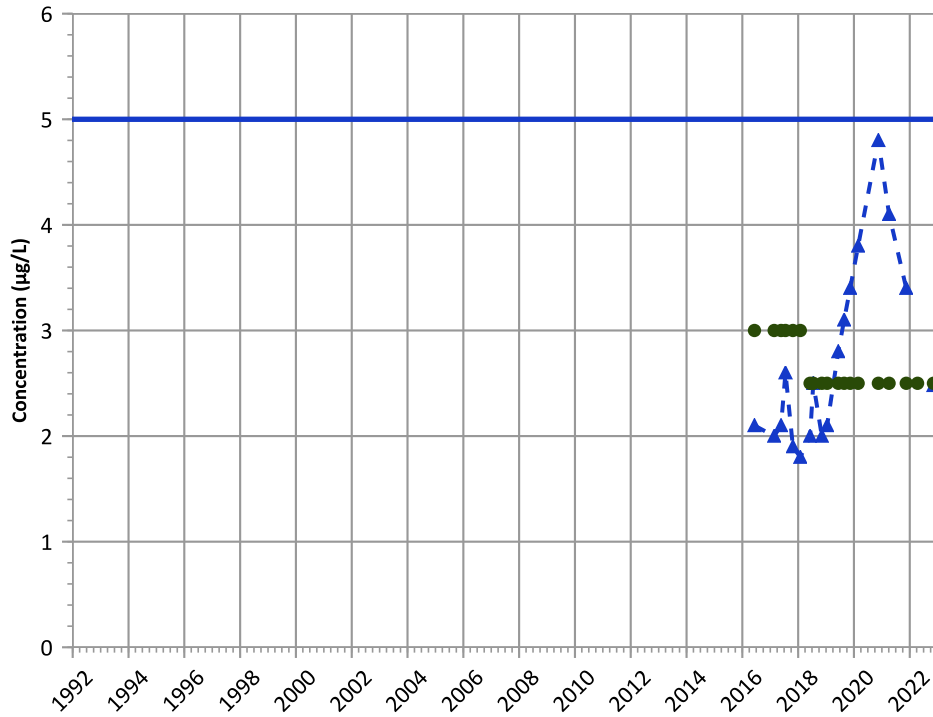
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**

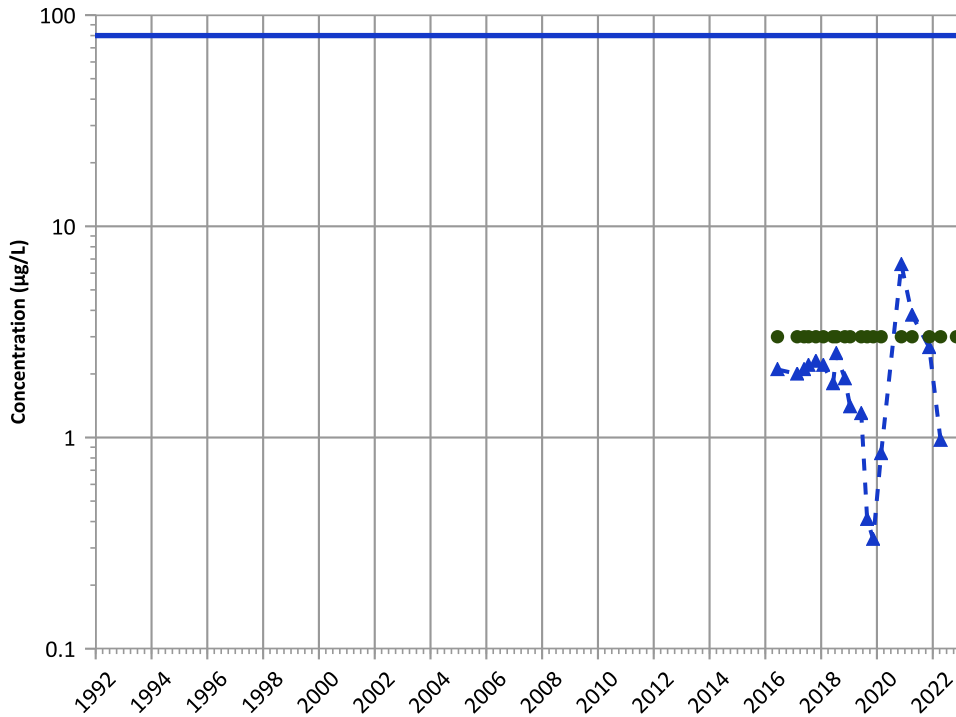


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

**Chloroform Trend**

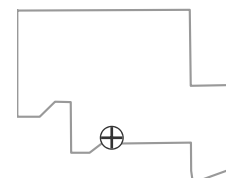


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

**Well Location**

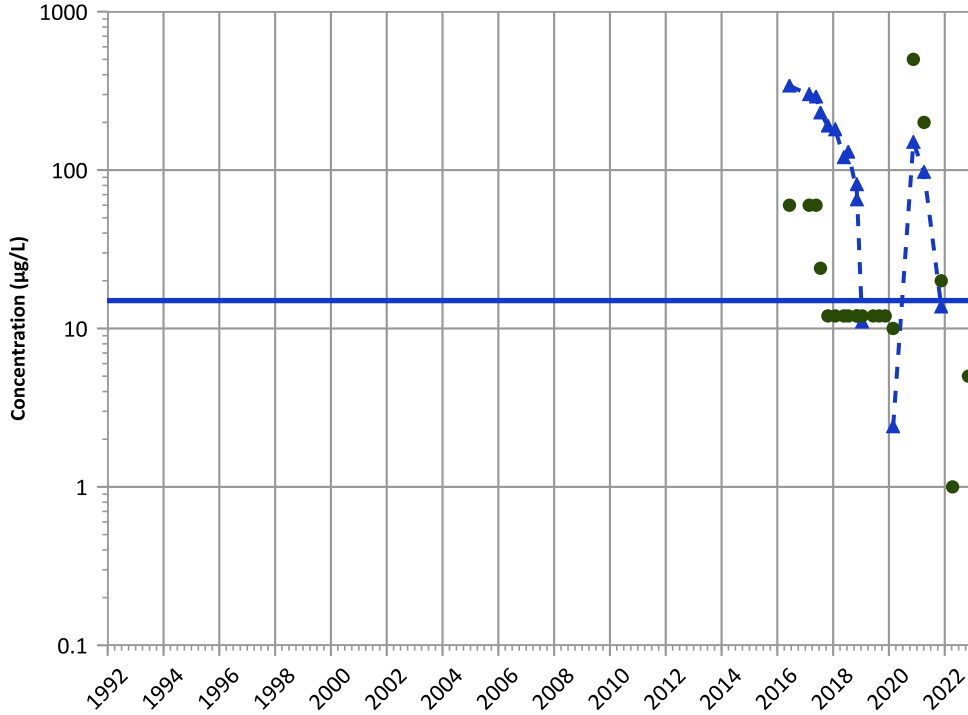


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend

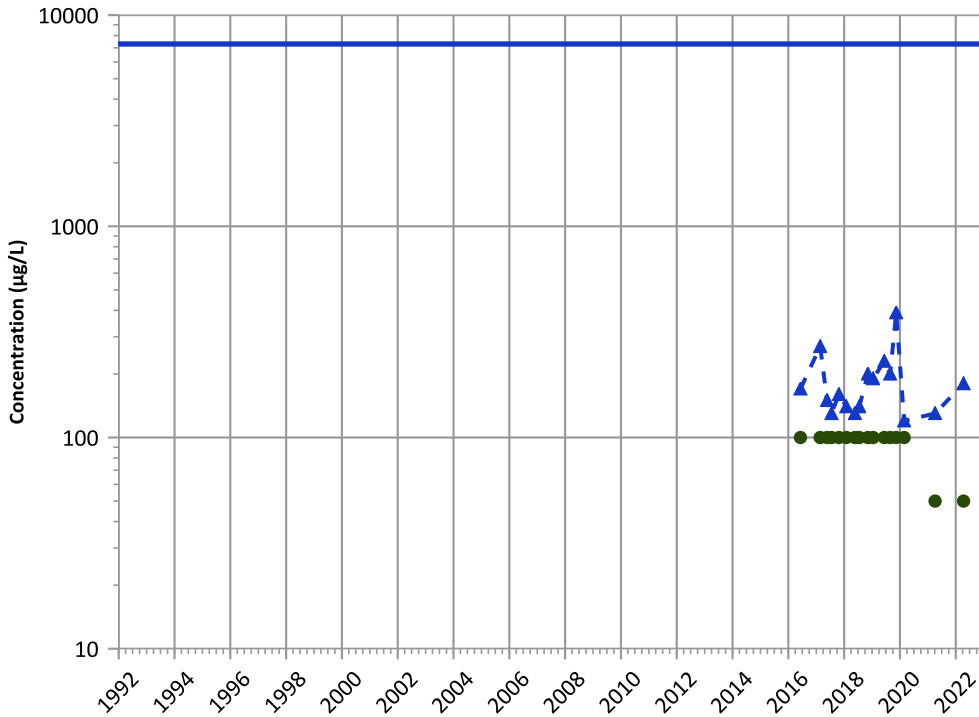


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
No Trend

Boron Trend

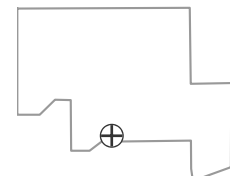


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

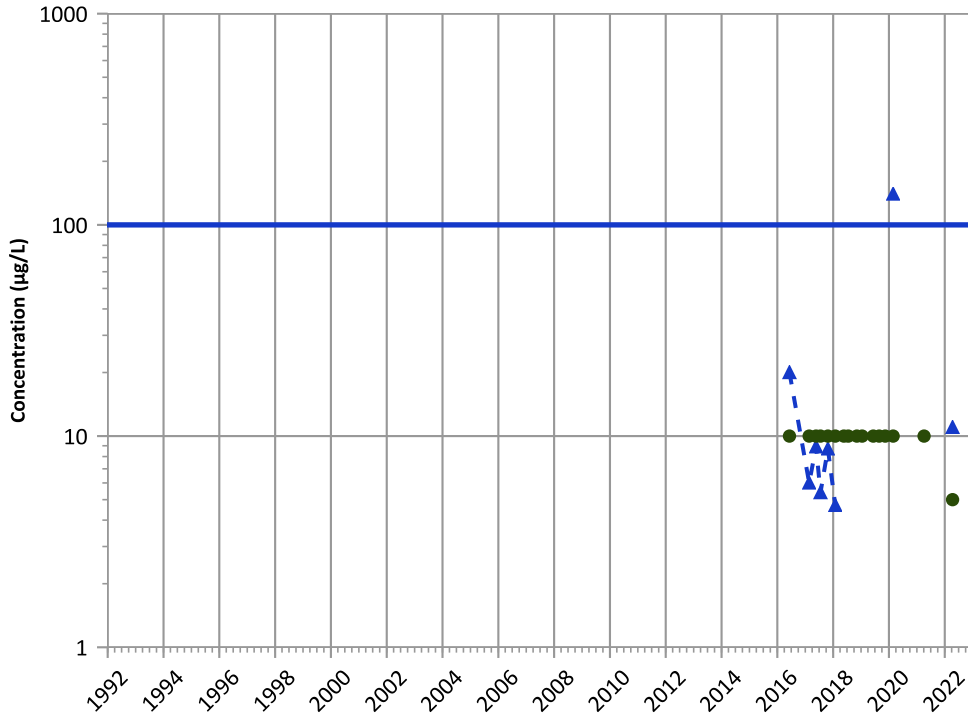


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

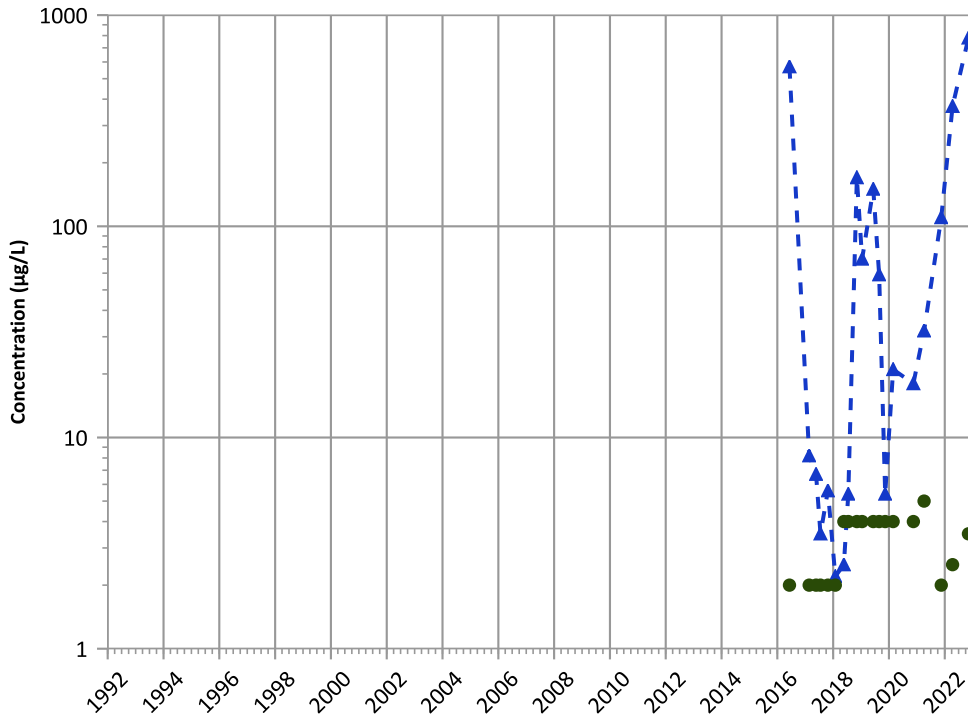


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**Manganese Trend**



**Concentration Trend**

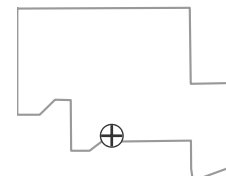
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

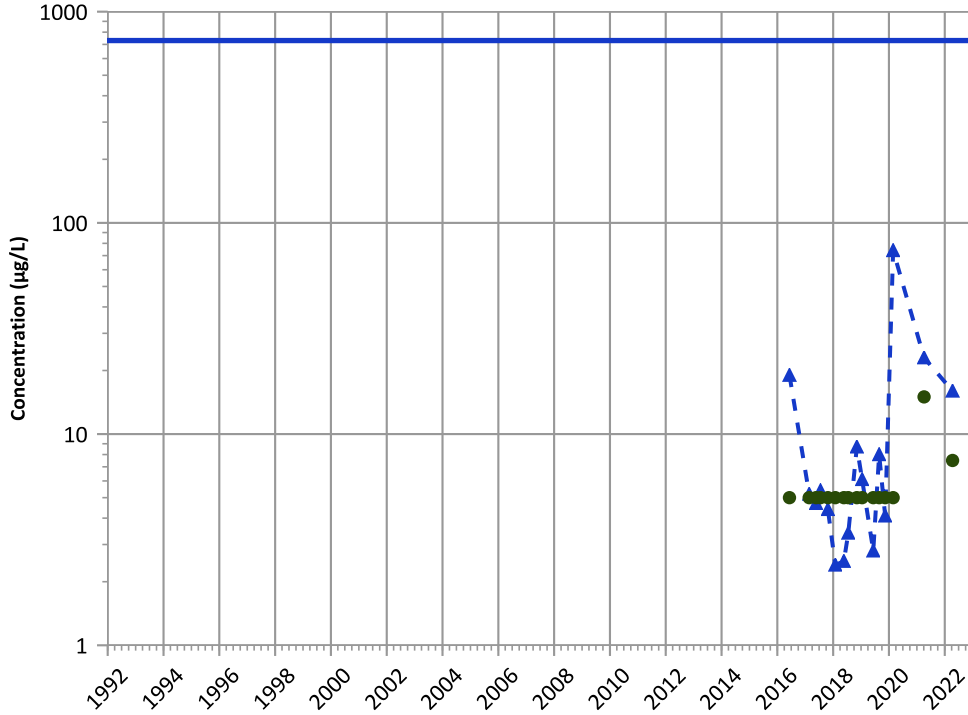
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

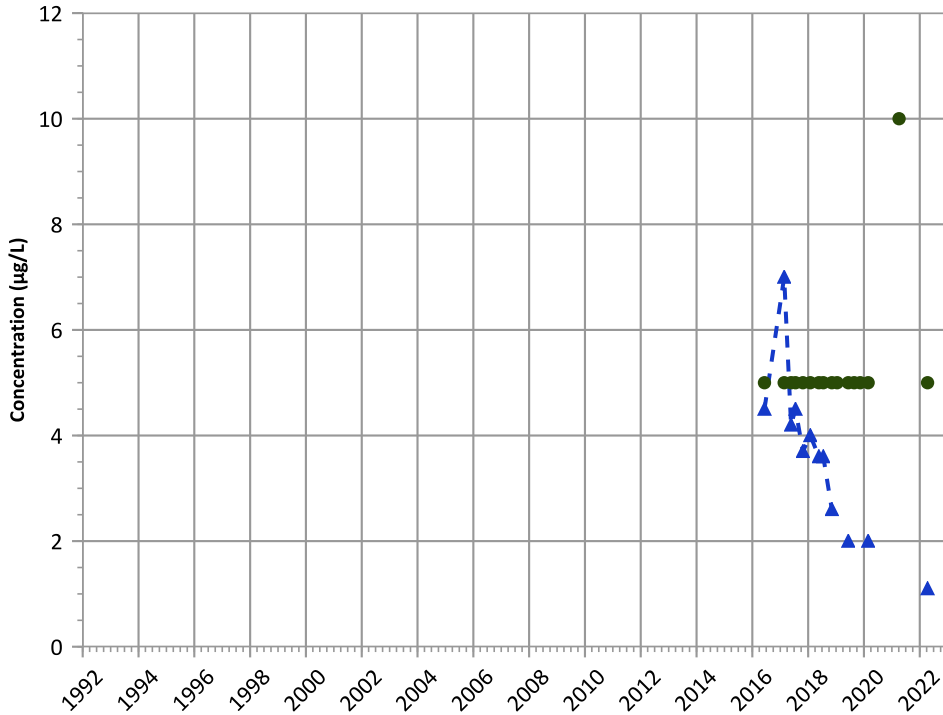


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

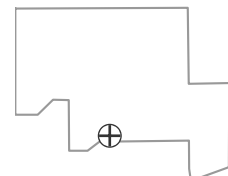
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

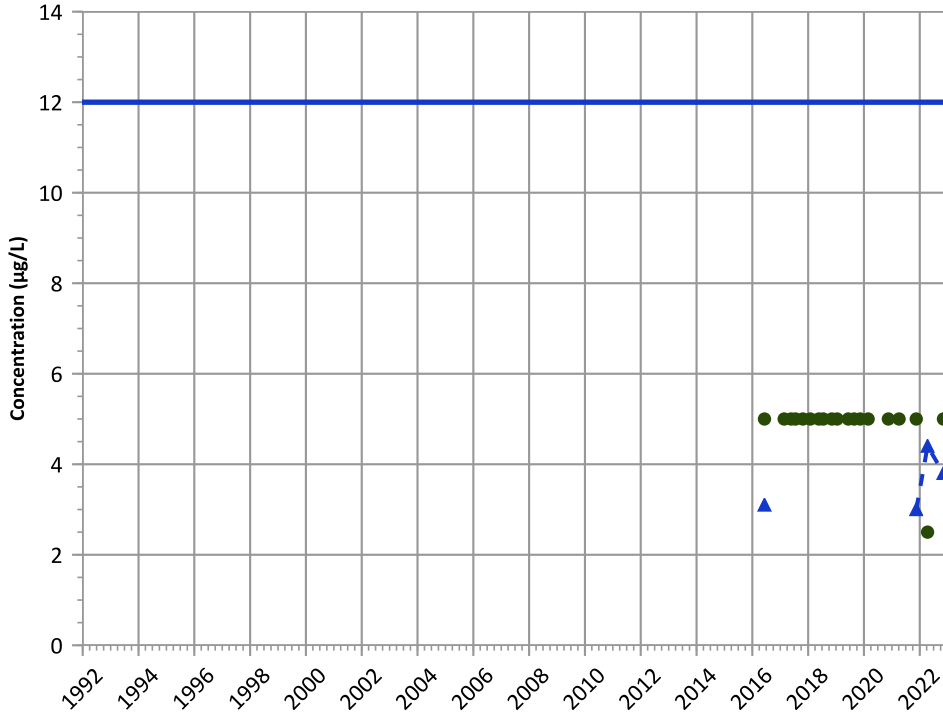
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

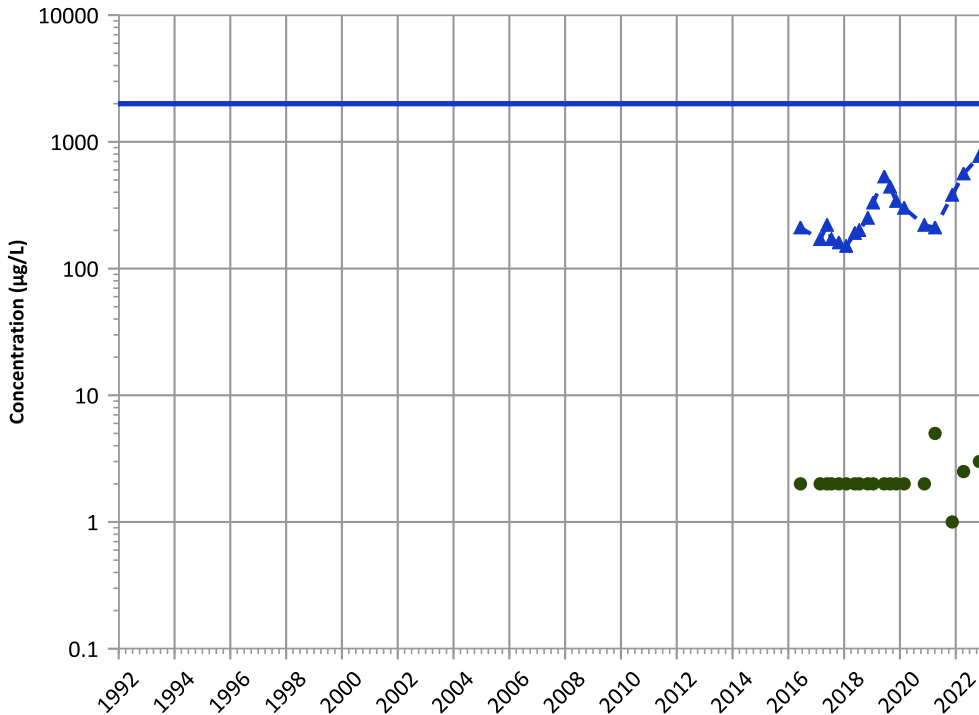


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

Barium Trend



Concentration Trend

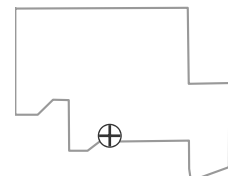
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

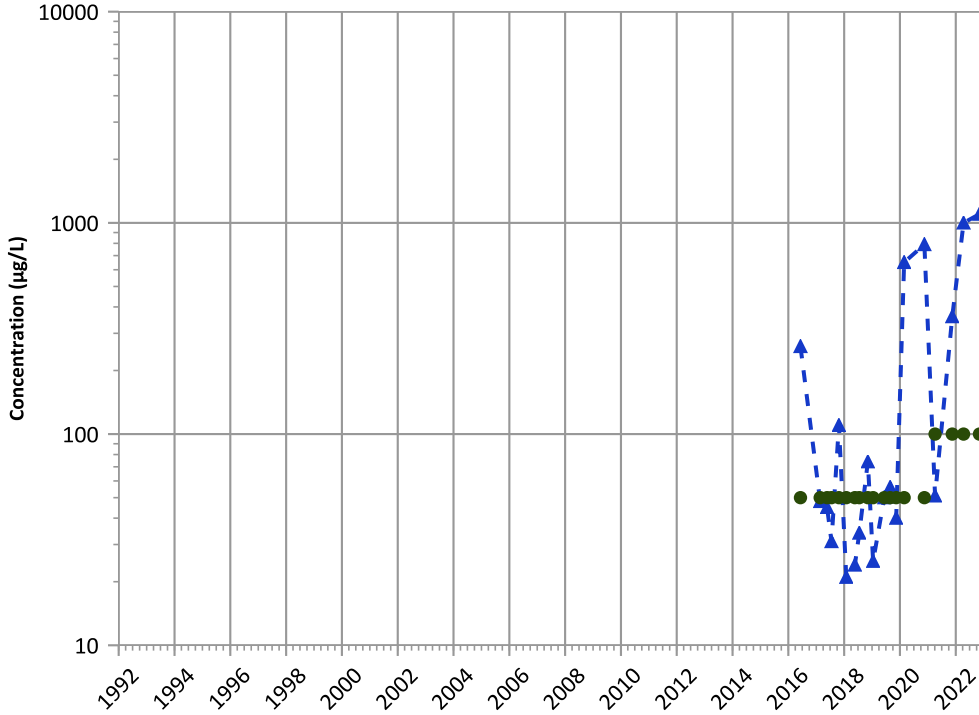
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1175 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

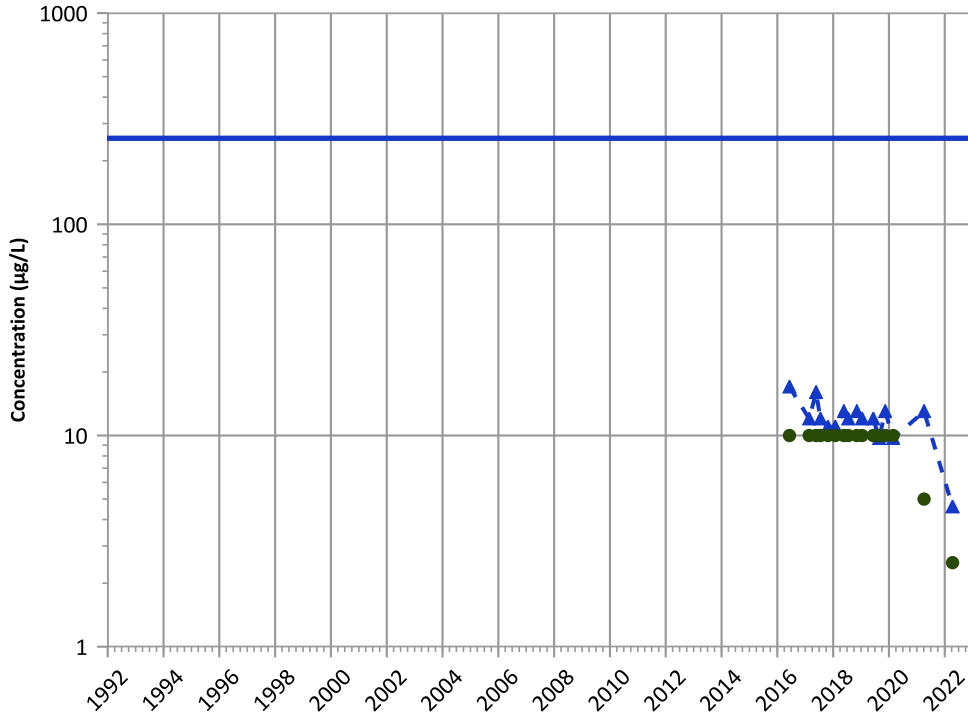
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

Data (7/2009 - 12/2022):

Decreasing

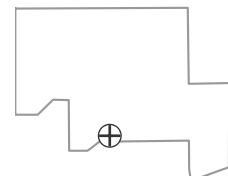
2020 - 2022 Data:

Stable

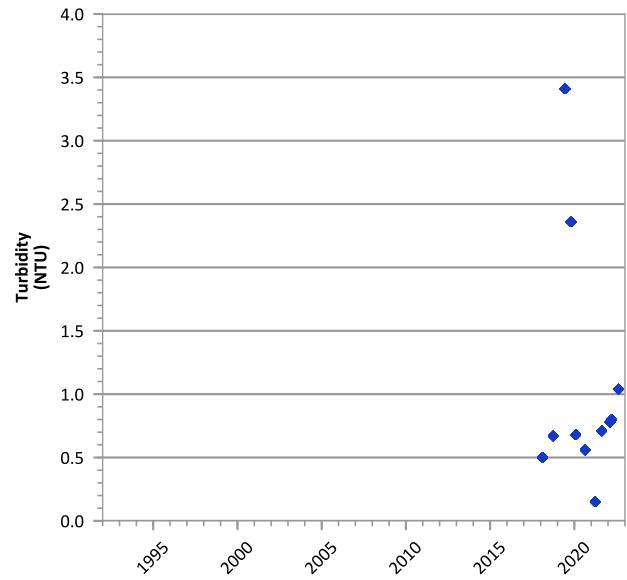
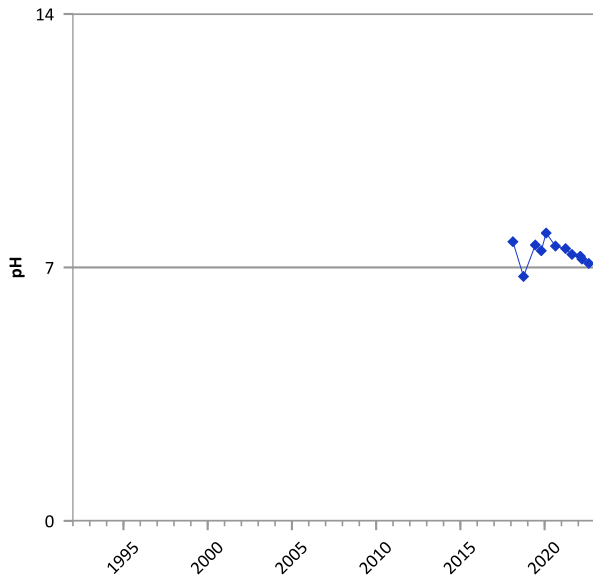
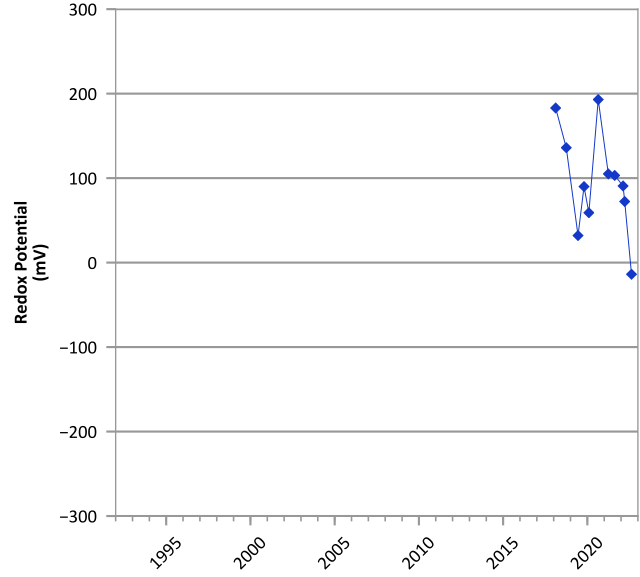
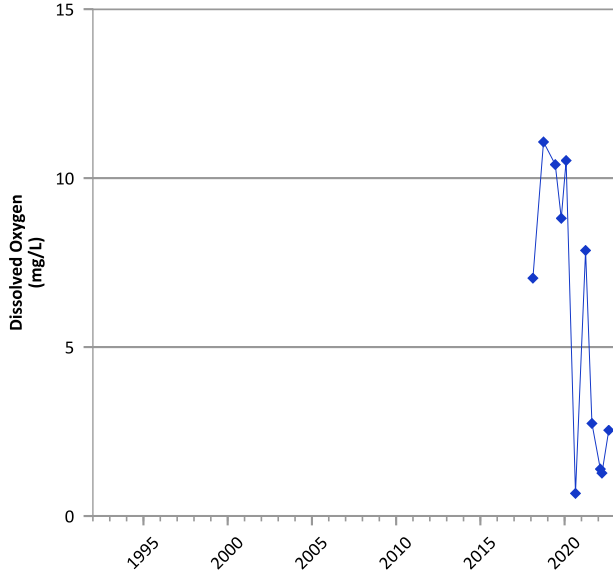
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/08/2016 to 11/07/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

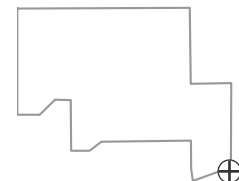


**PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



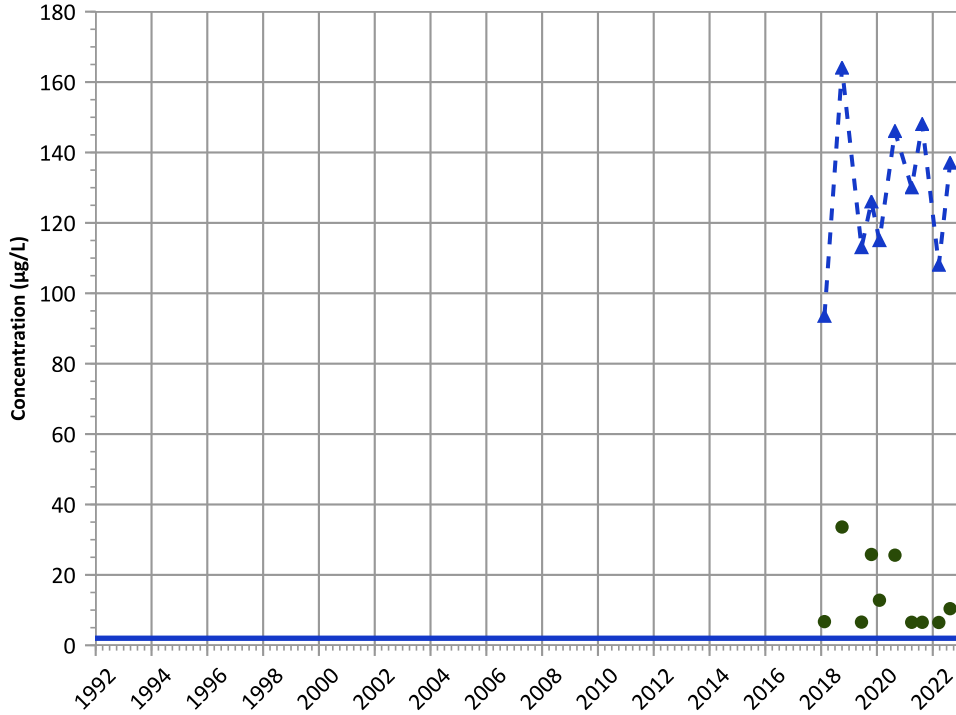
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/13/2018 to 08/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

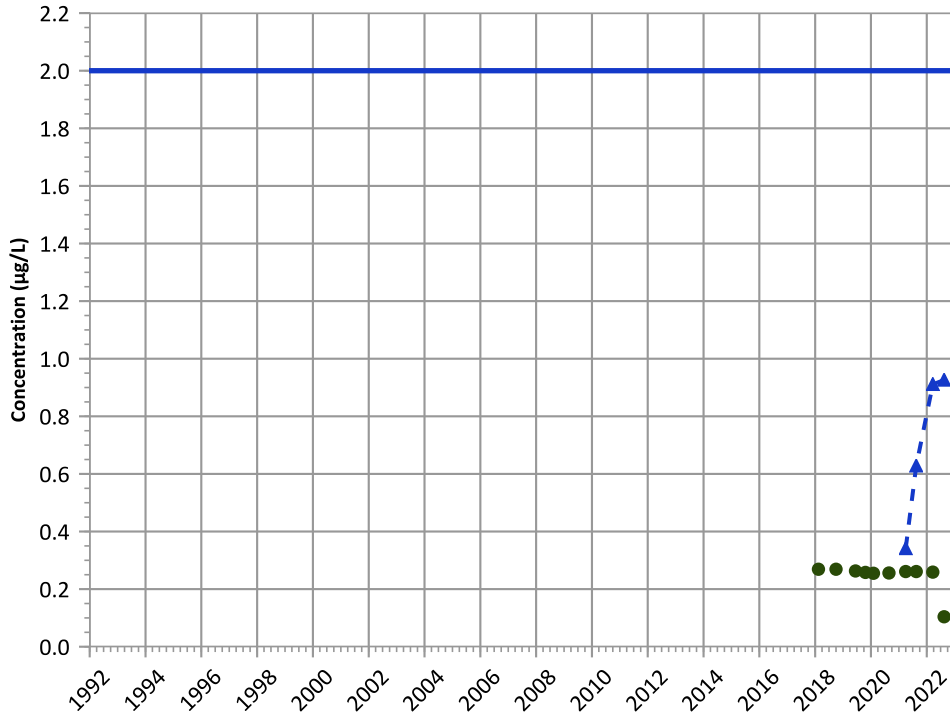


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

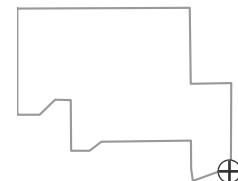


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
Increasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

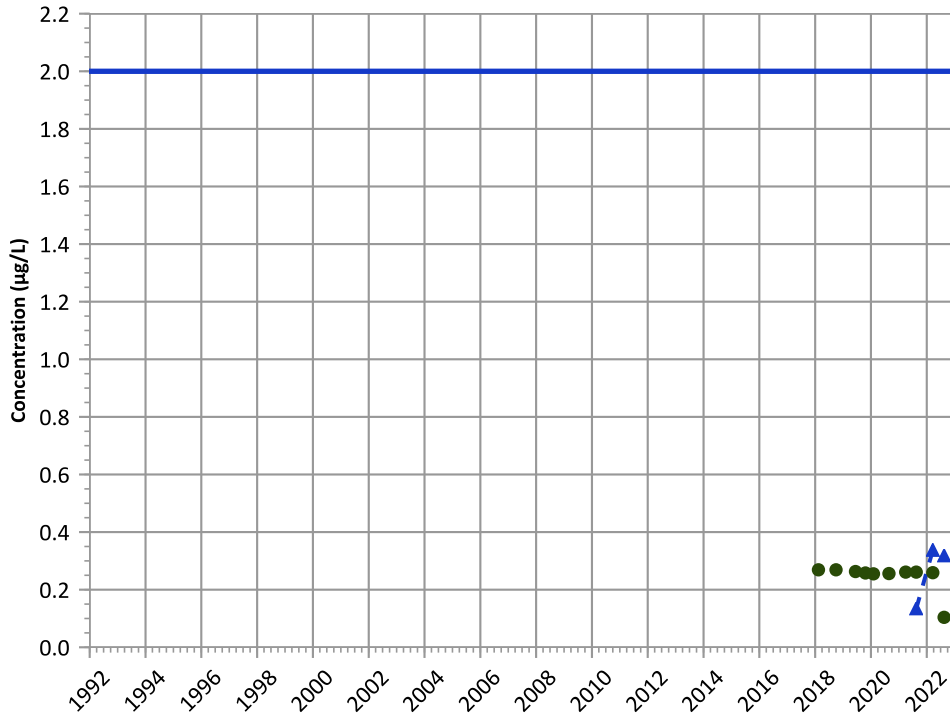
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**

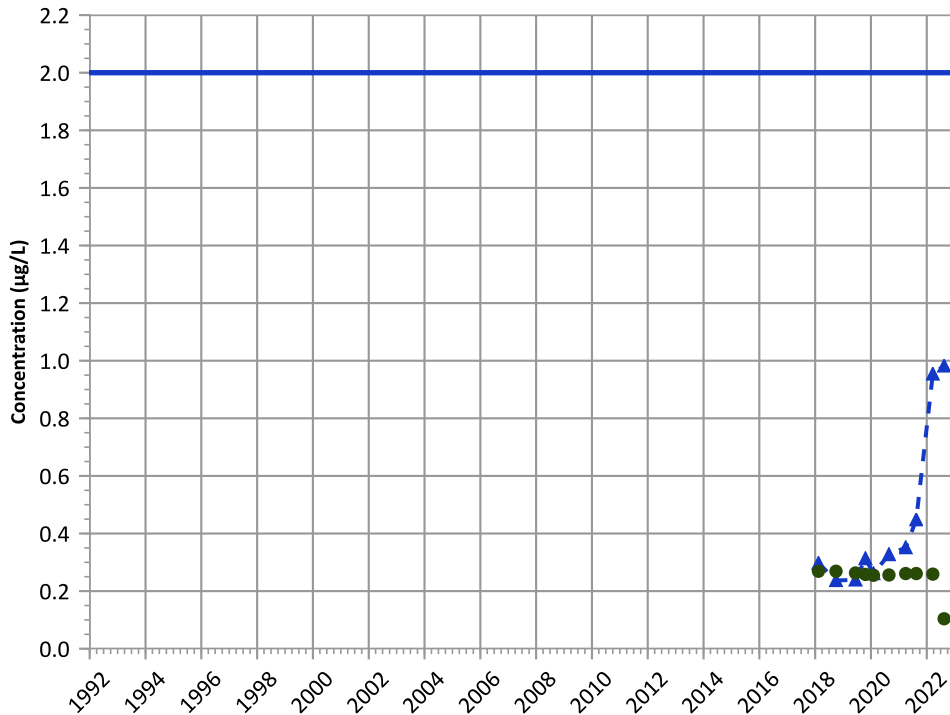


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

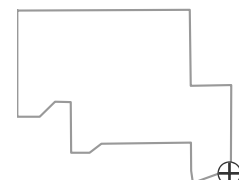
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

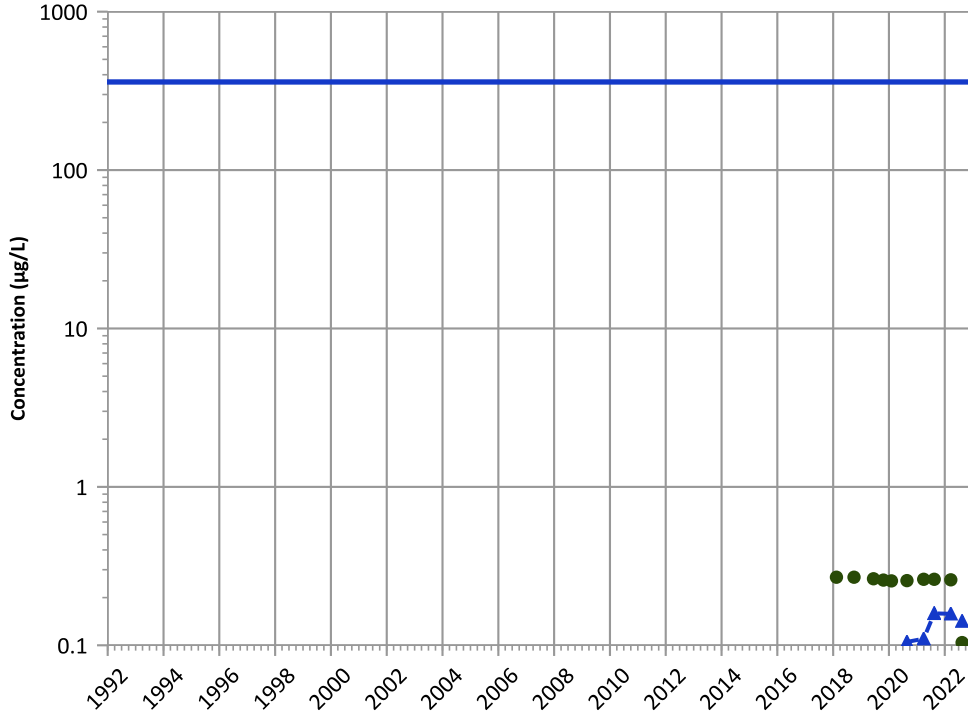
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

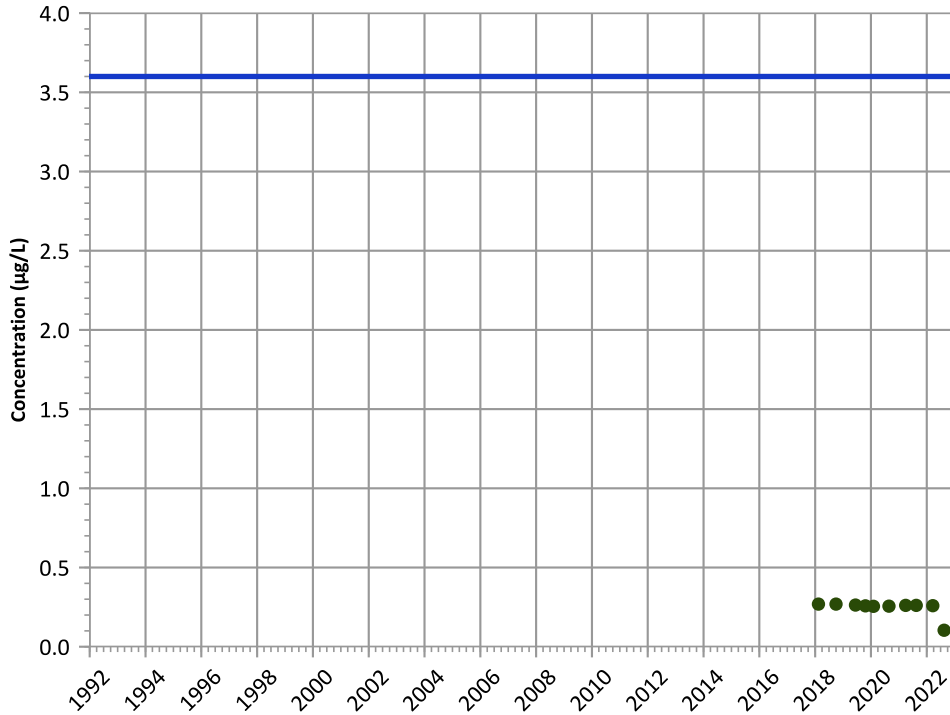


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

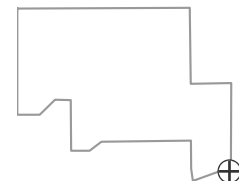
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

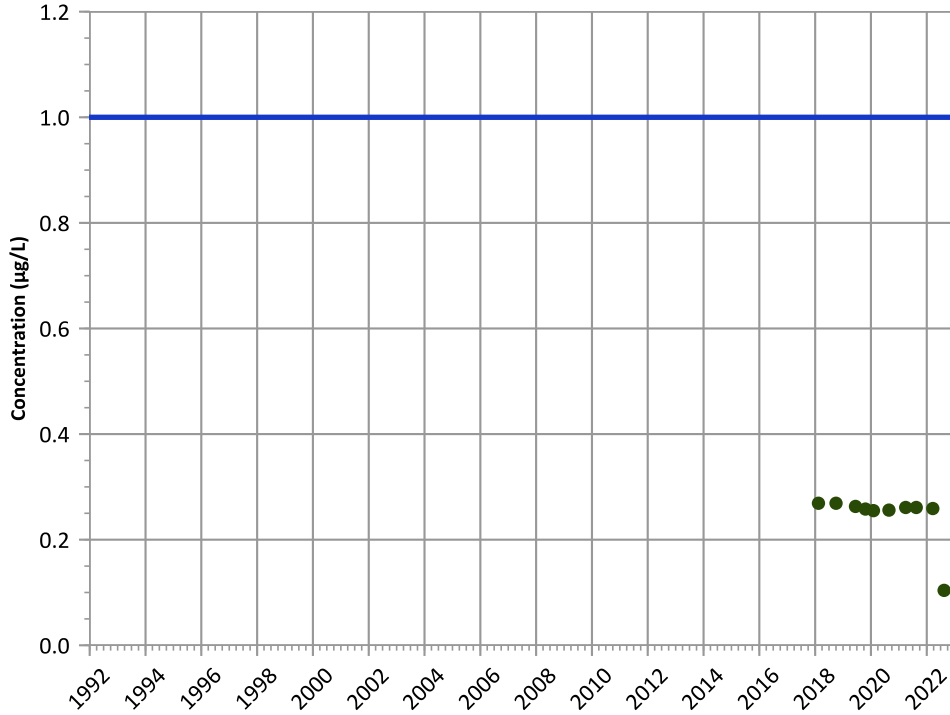
Well Location





PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

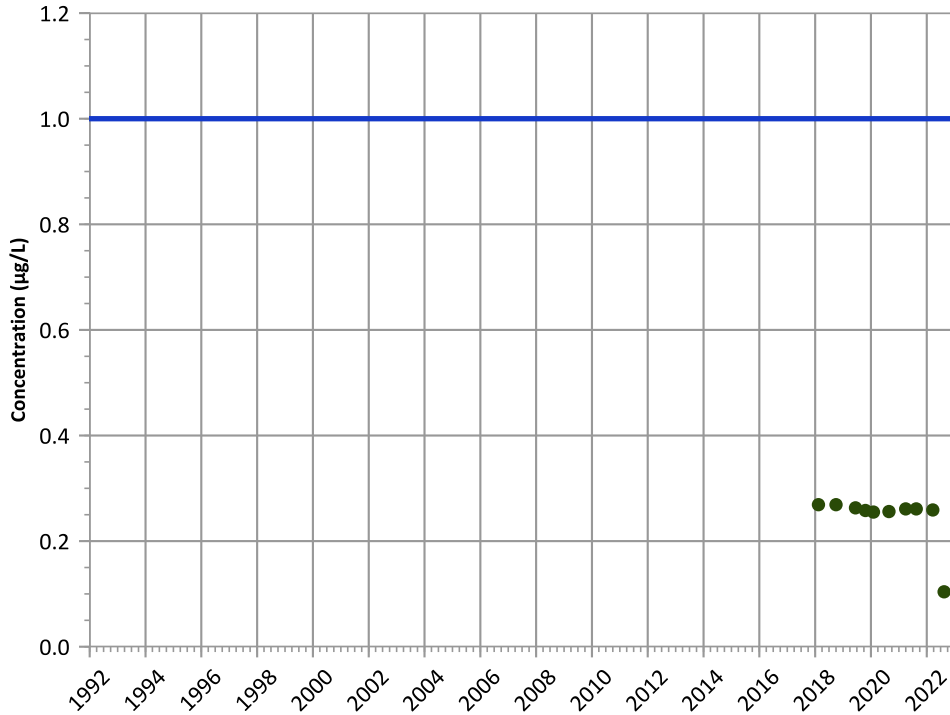
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

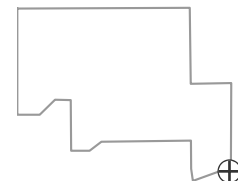
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

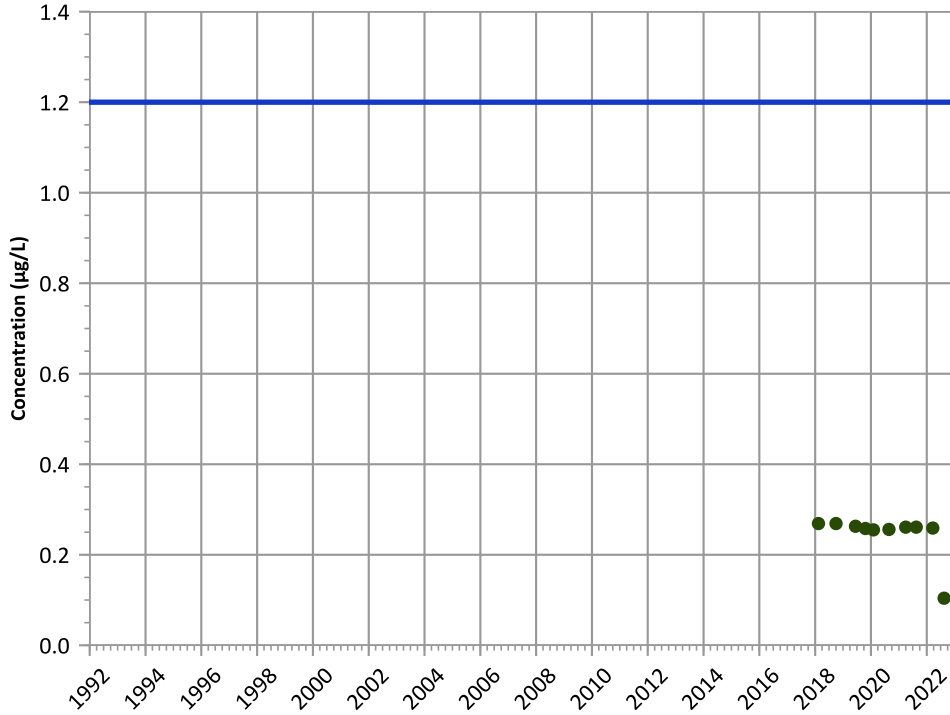


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

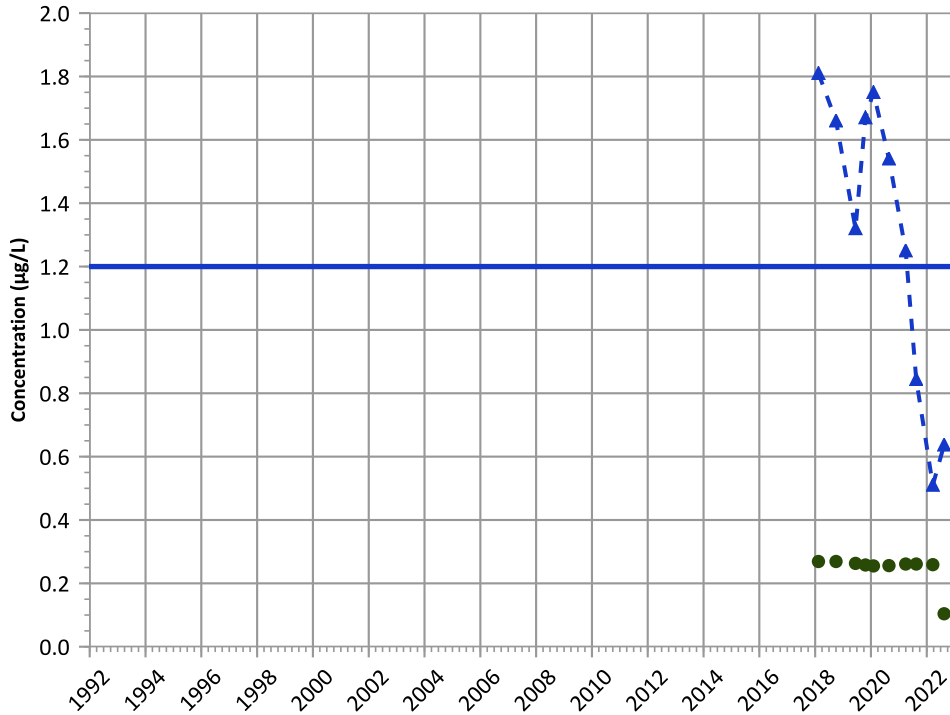
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

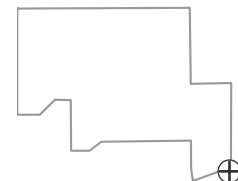
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Well Location

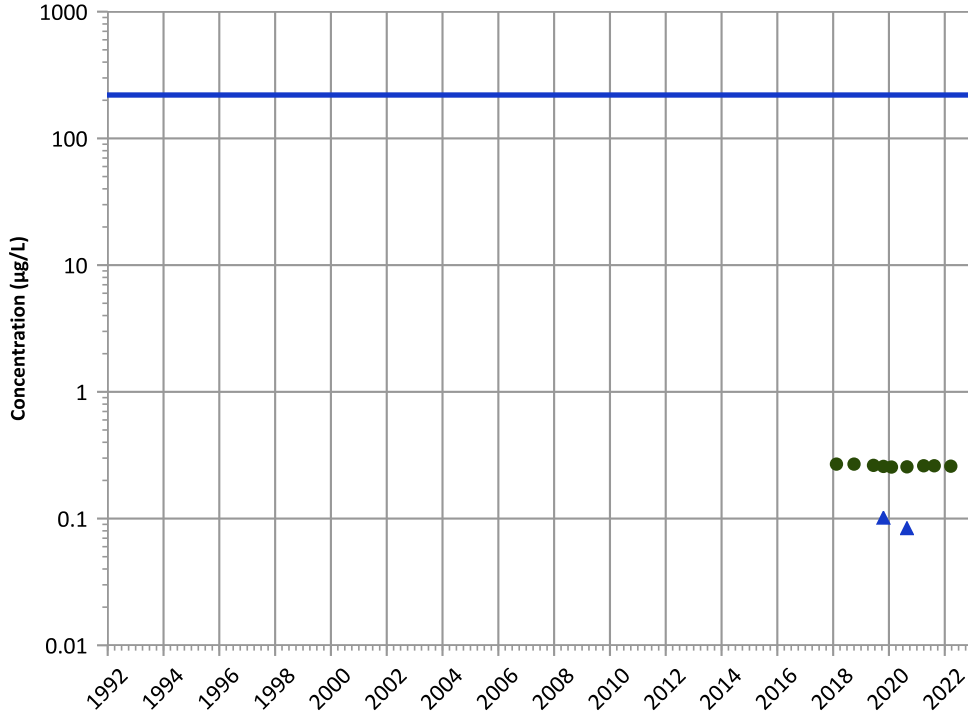


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

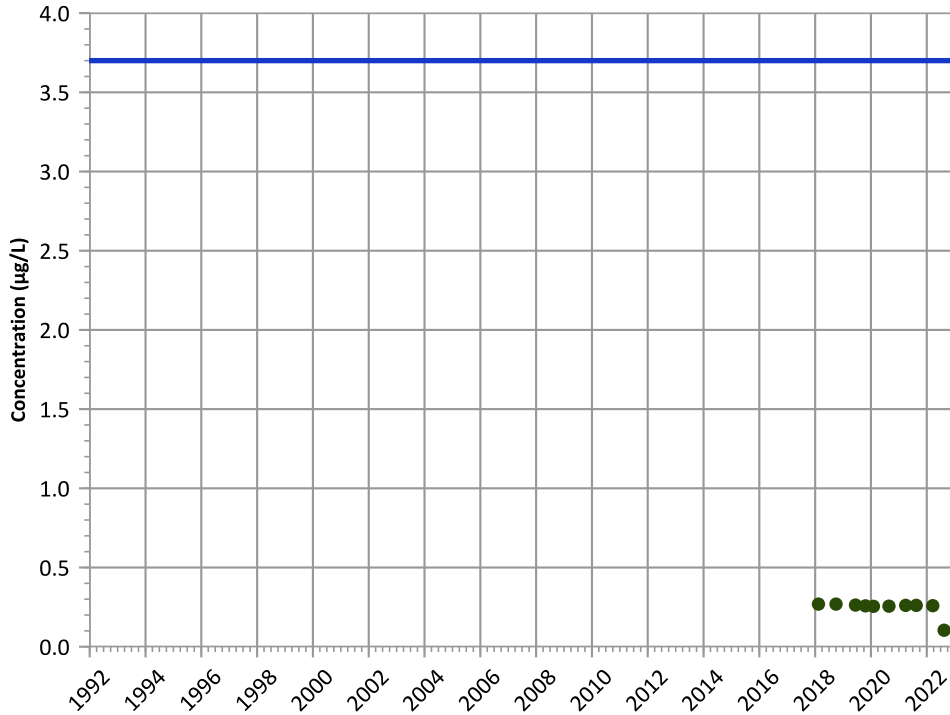


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

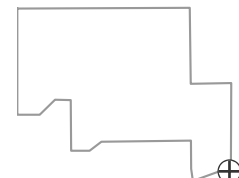
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

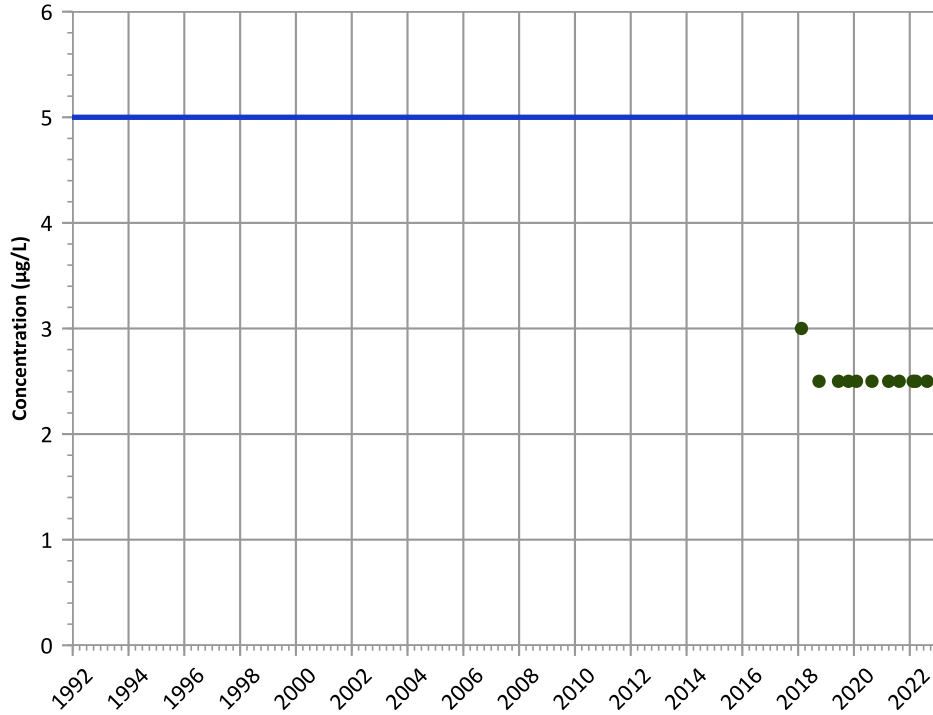
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

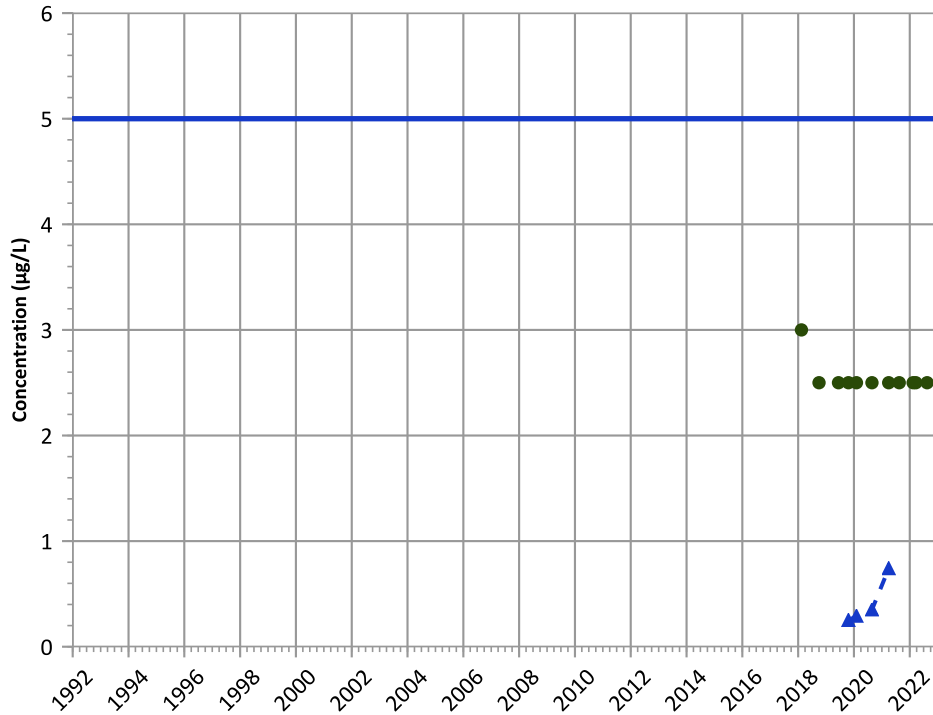
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

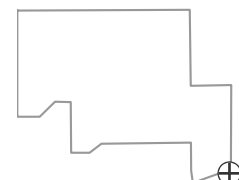
Data (7/2009 - 12/2022):

Increasing

2020 - 2022 Data:

Increasing

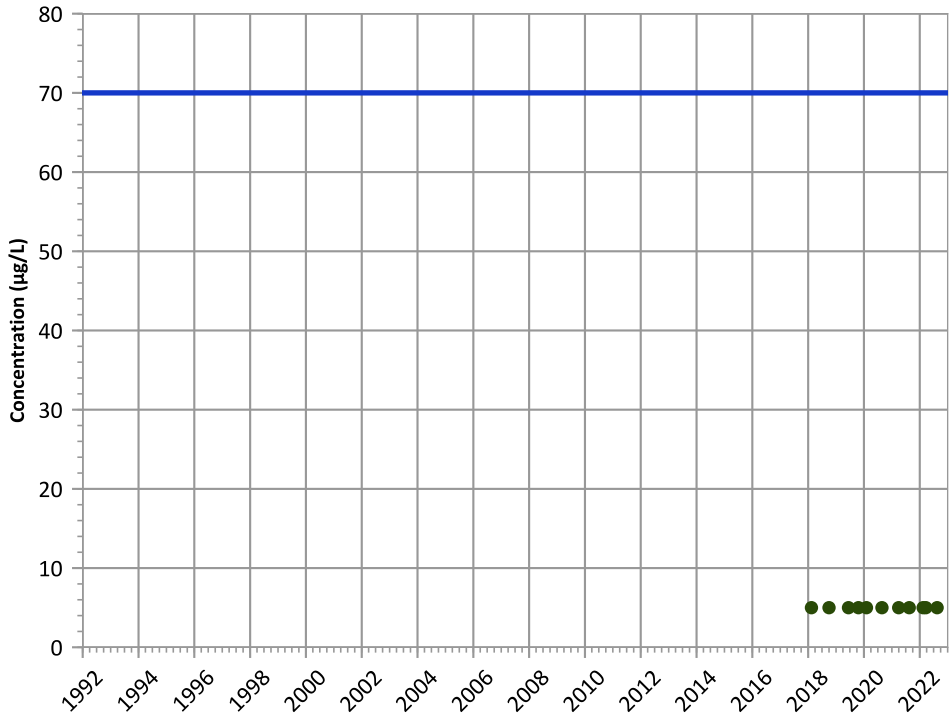
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

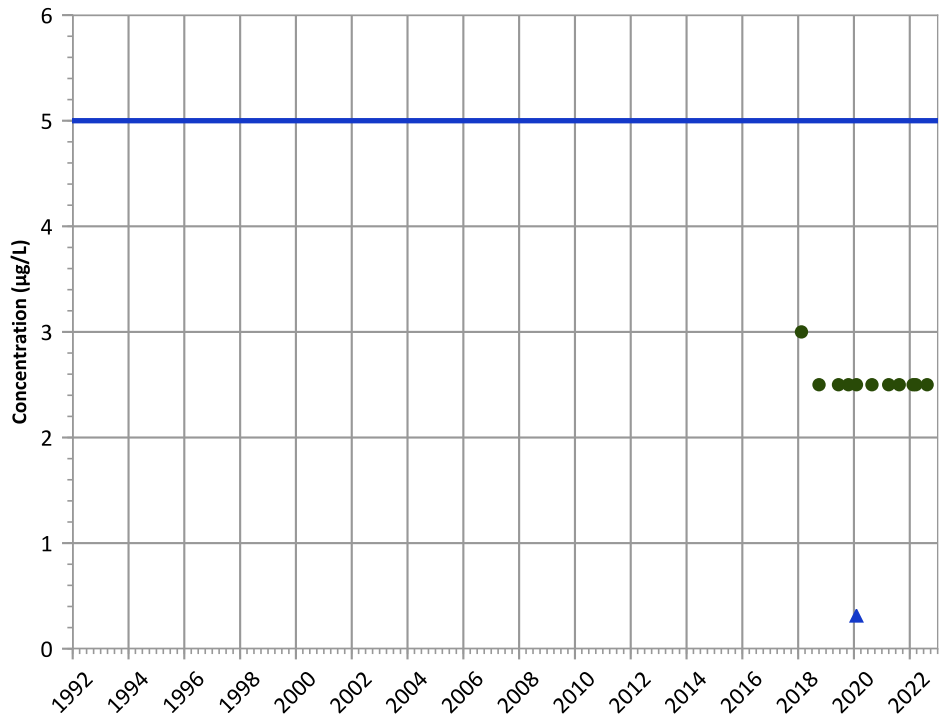


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**

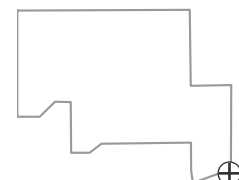


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

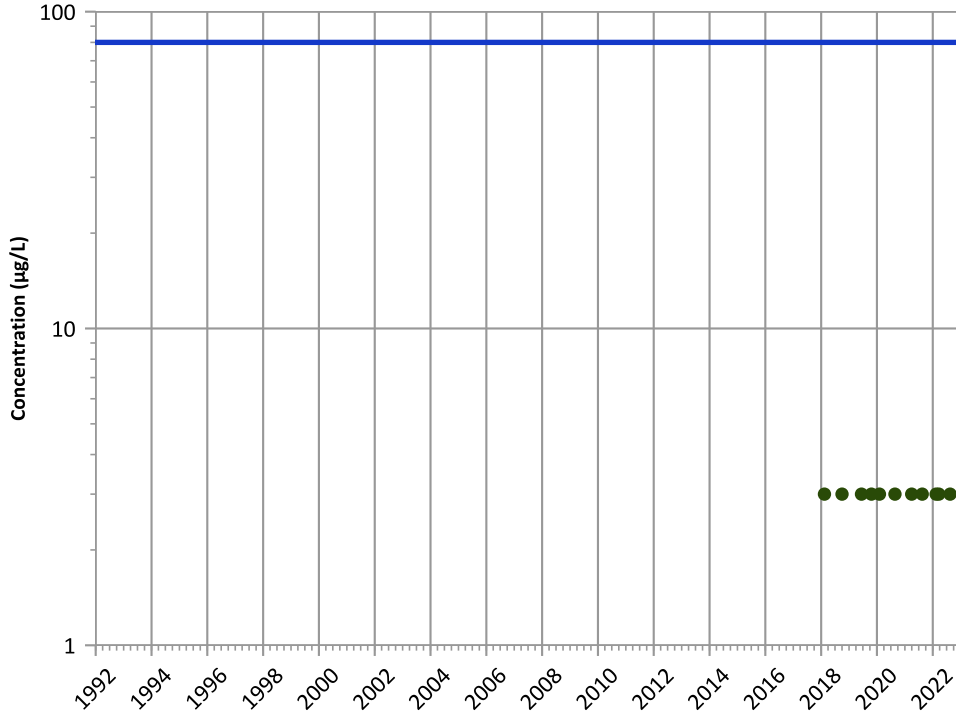


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

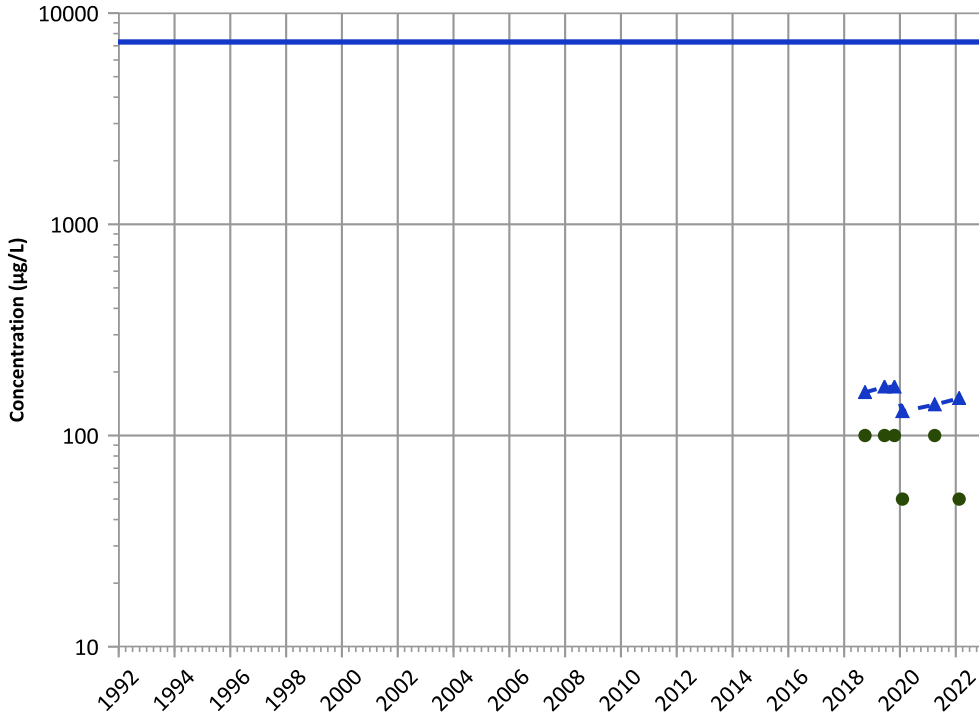
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

MAROS Linear Regression Method

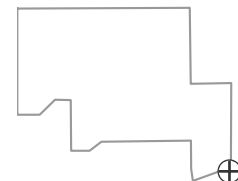
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Stable

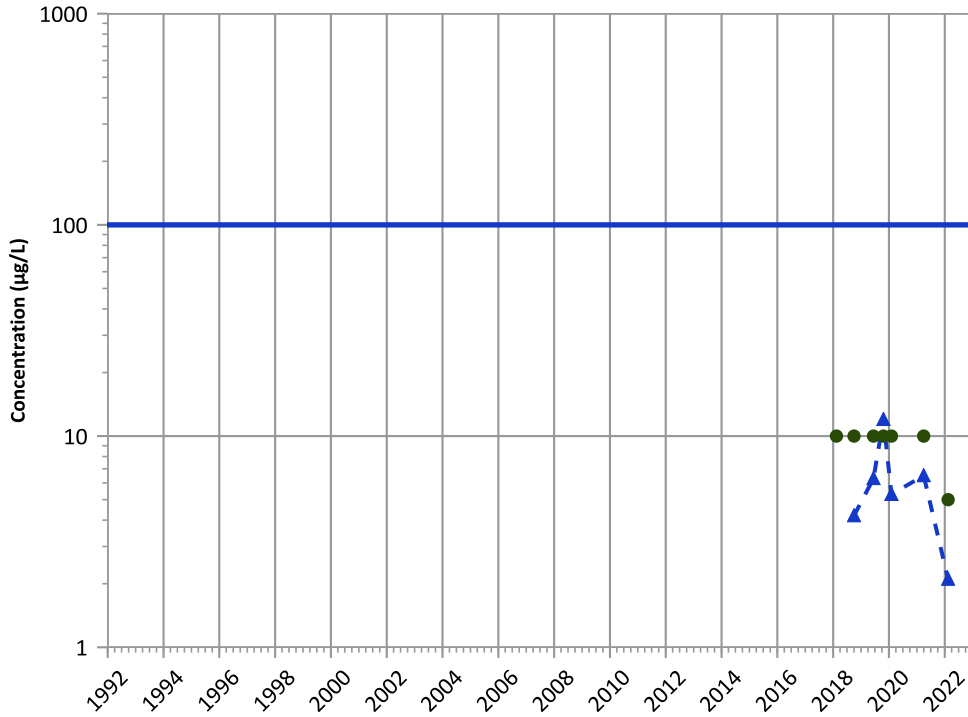
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

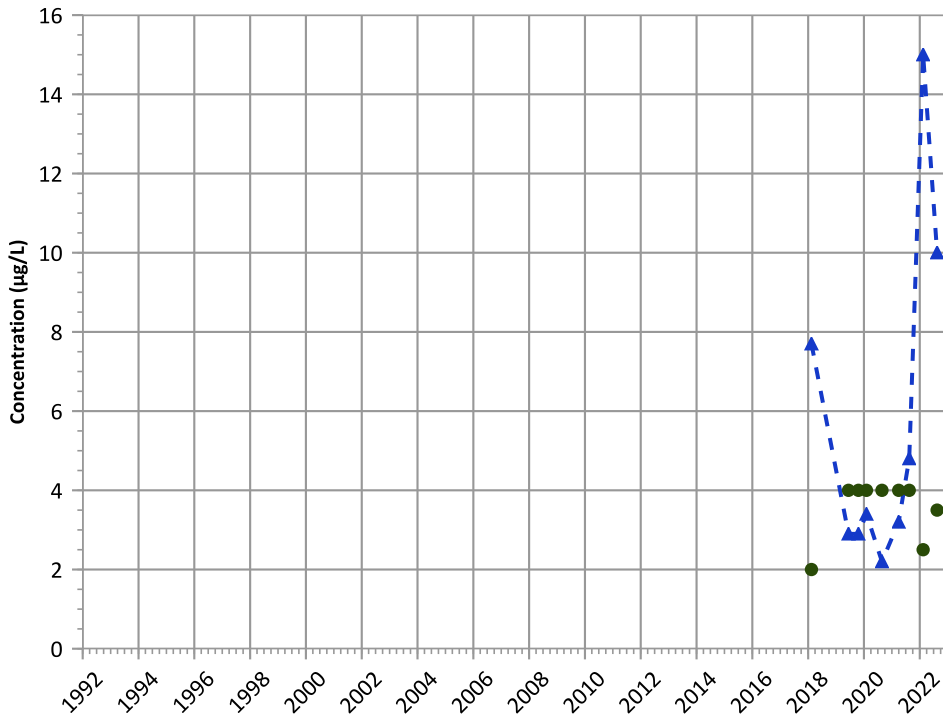


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Probably Decreasing

**Manganese Trend**

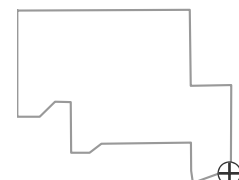


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

**Well Location**

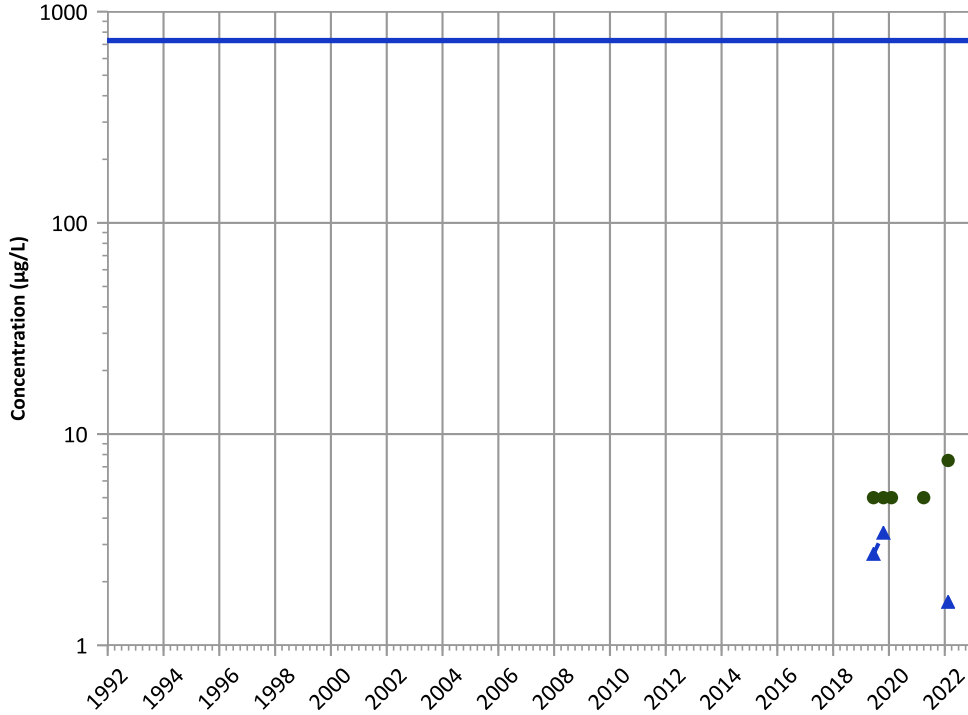


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

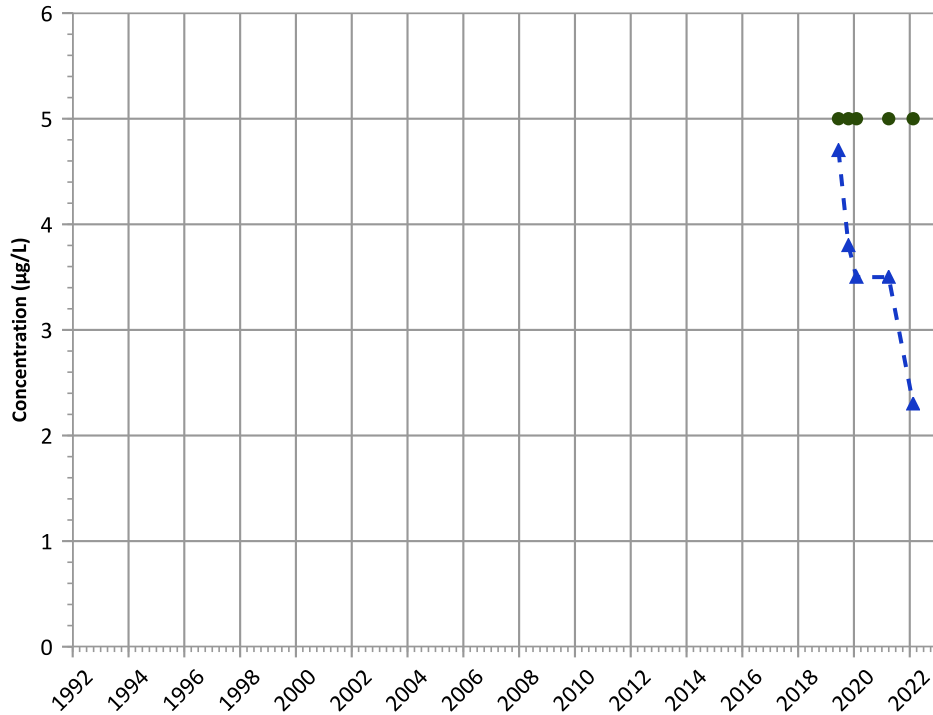


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Molybdenum Trend



Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

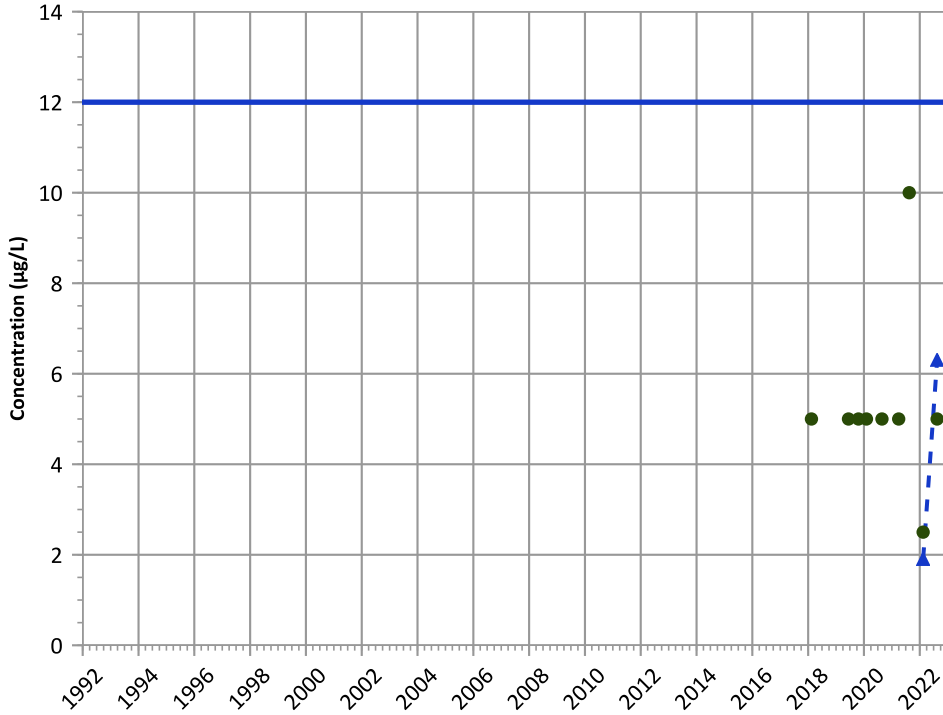
Well Location





PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

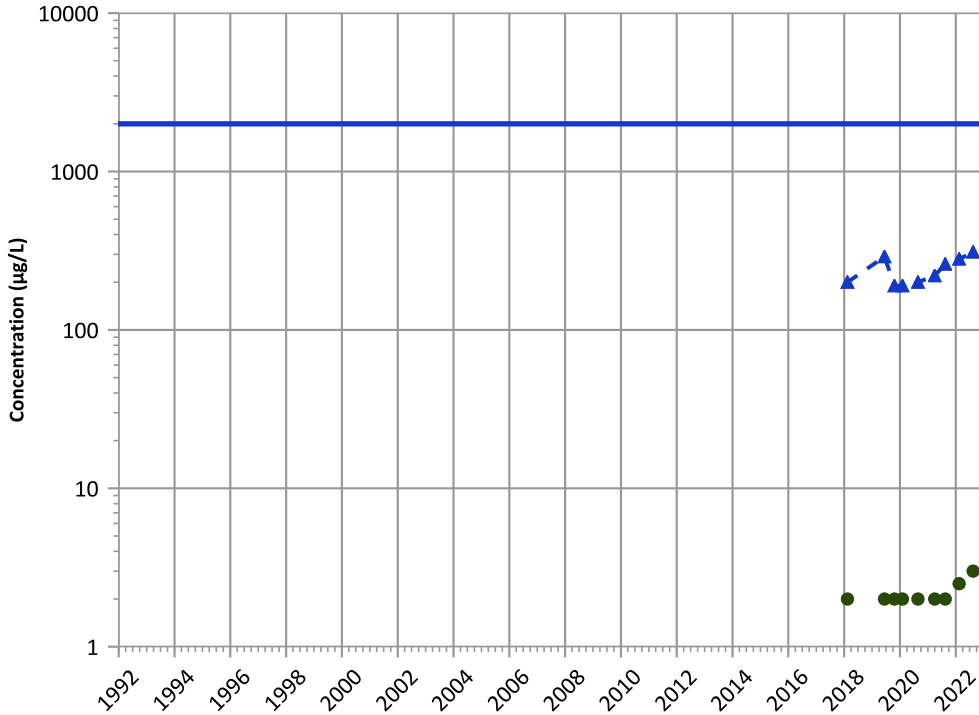


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Barium Trend

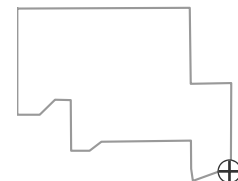


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Well Location

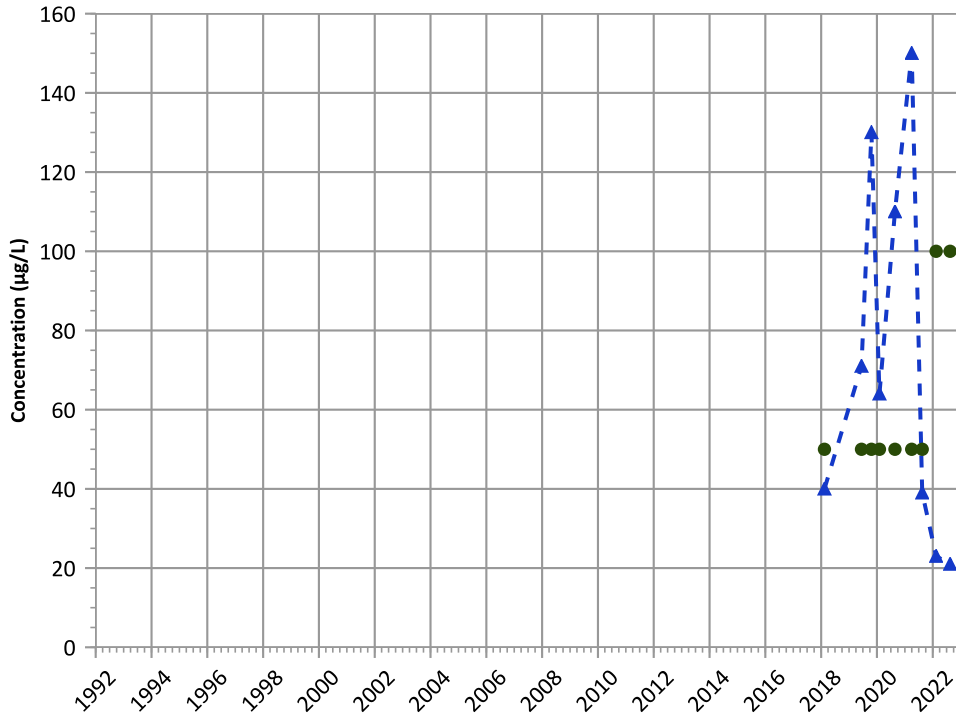


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

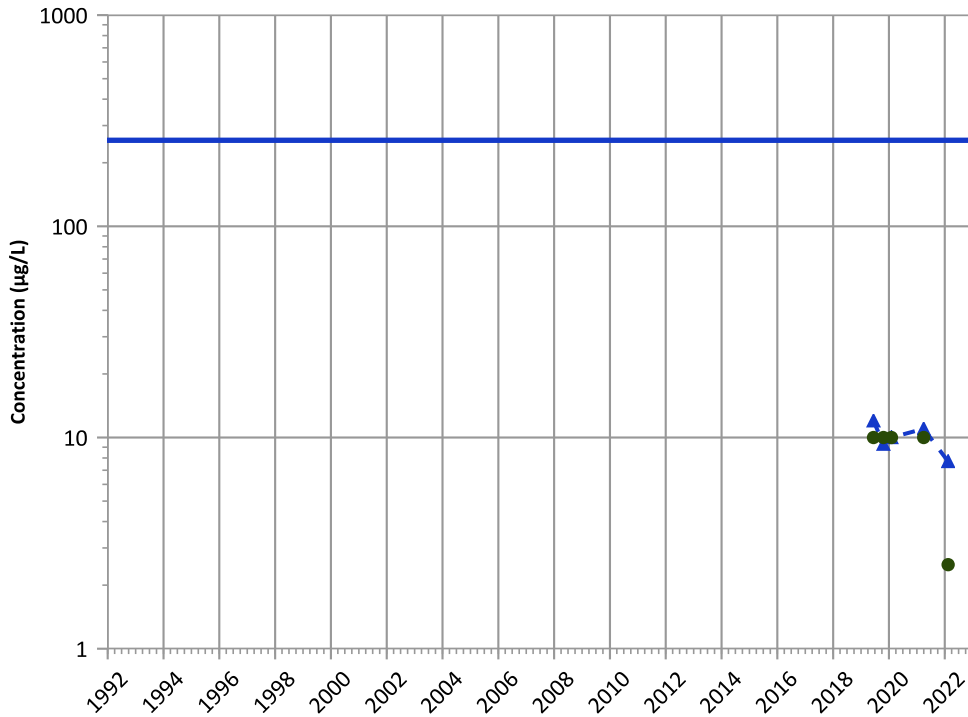


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Decreasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

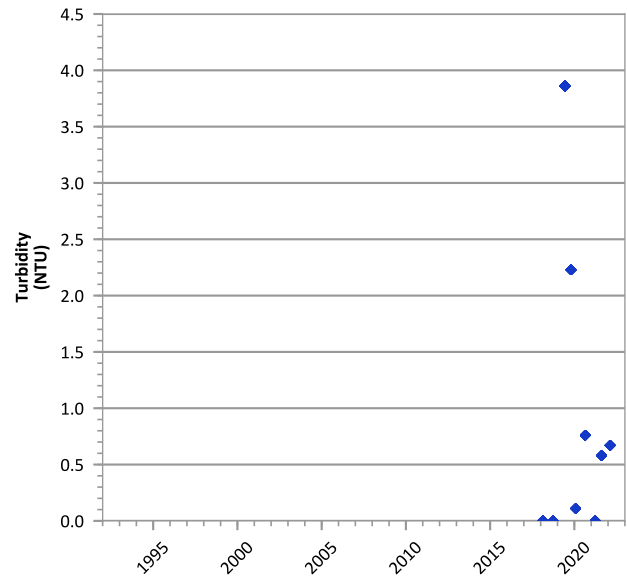
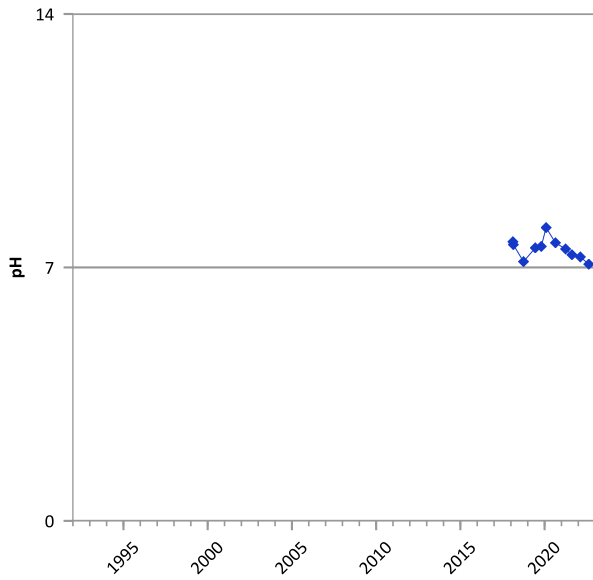
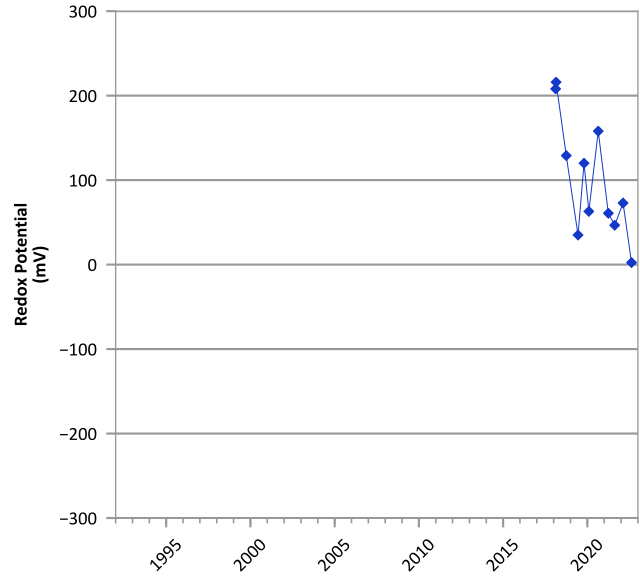
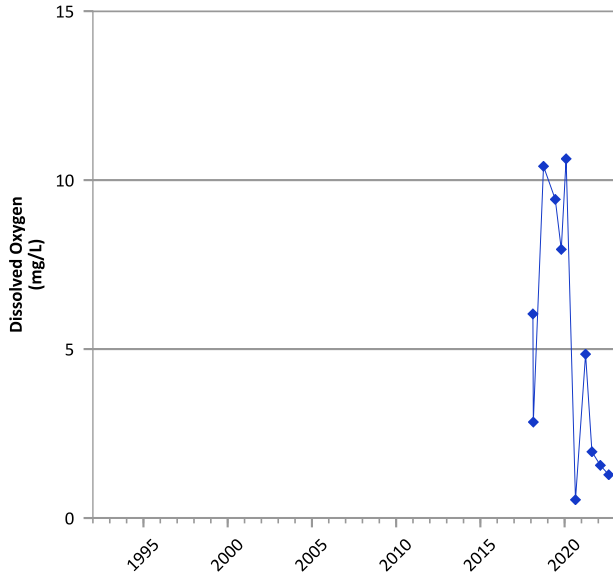
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

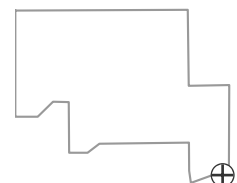
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



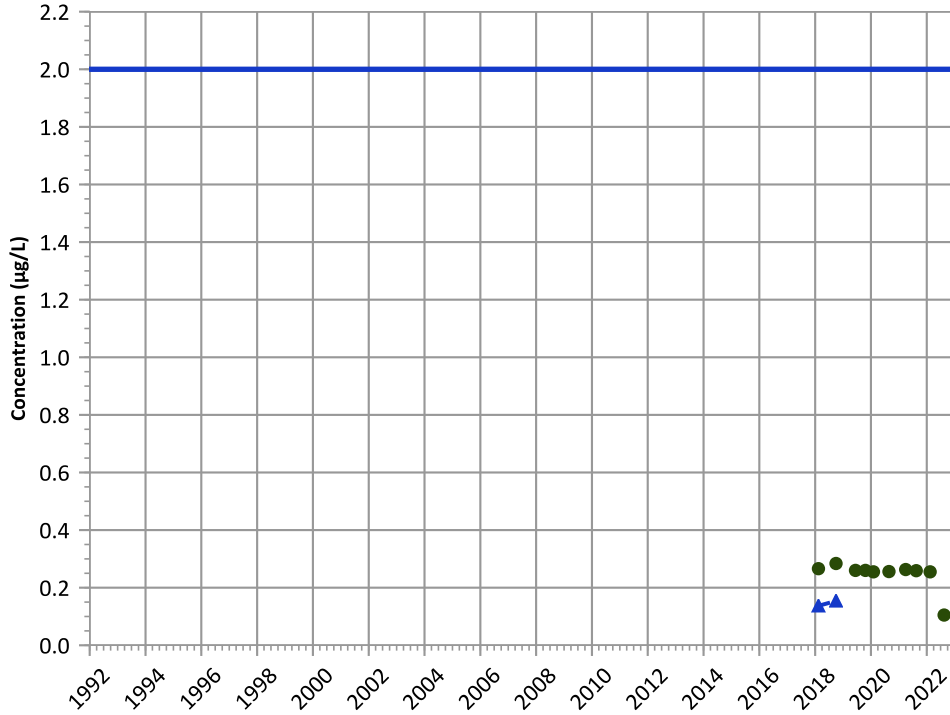
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 02/13/2018 to 08/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

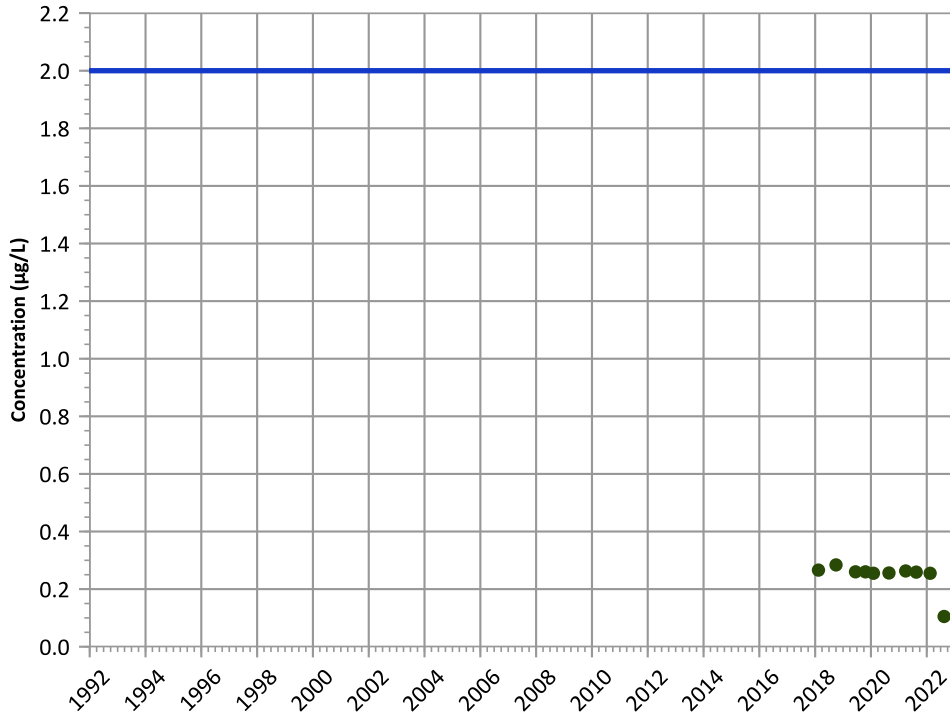


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

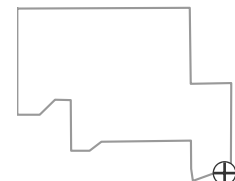


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

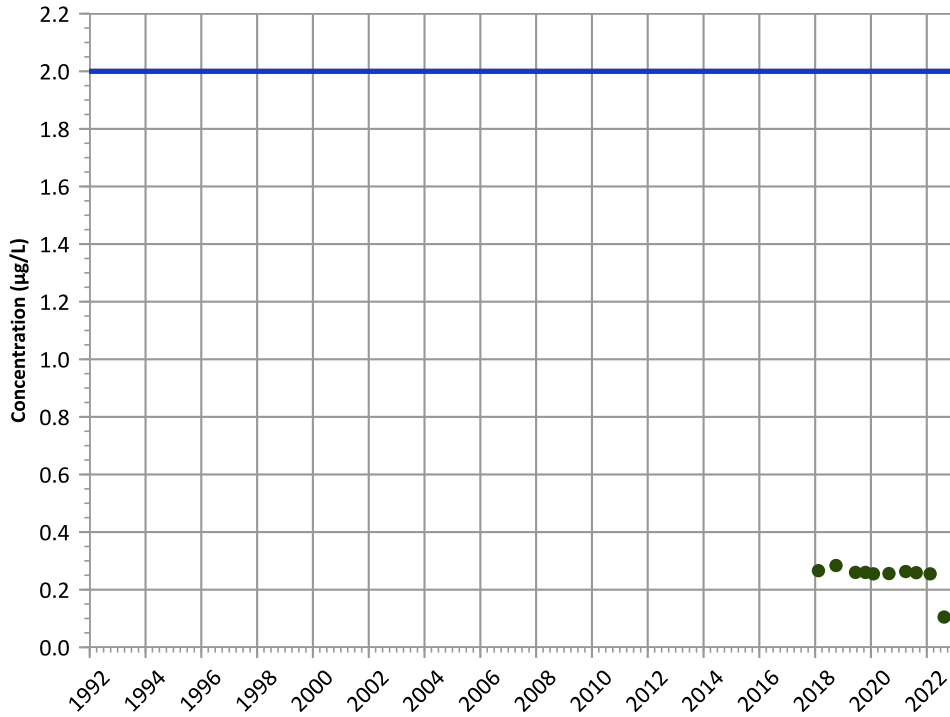


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

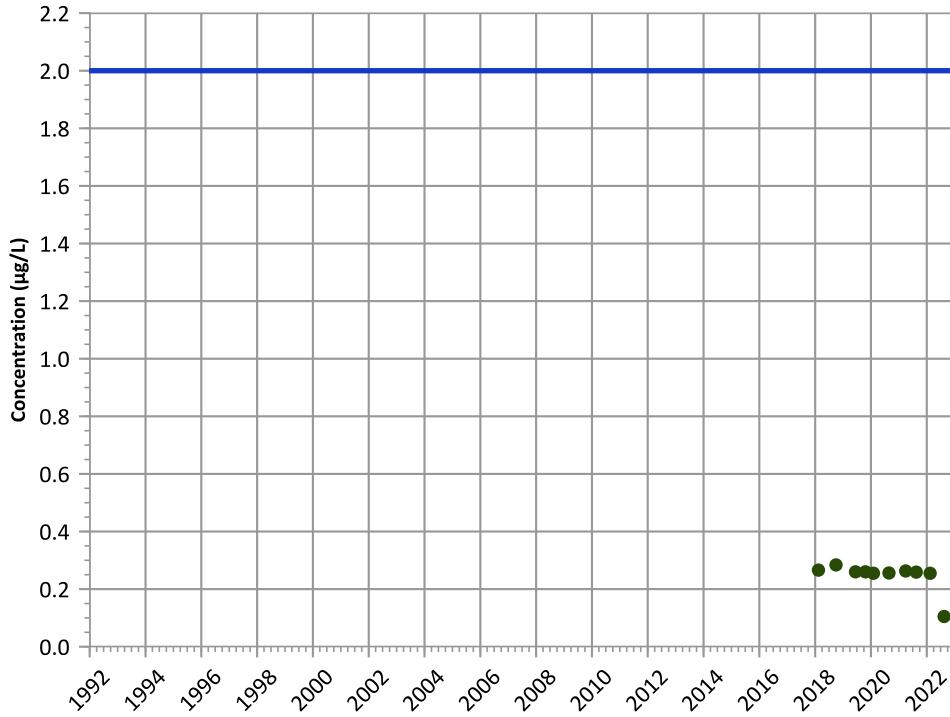


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

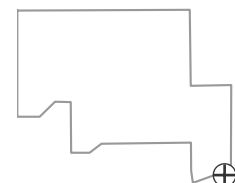


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

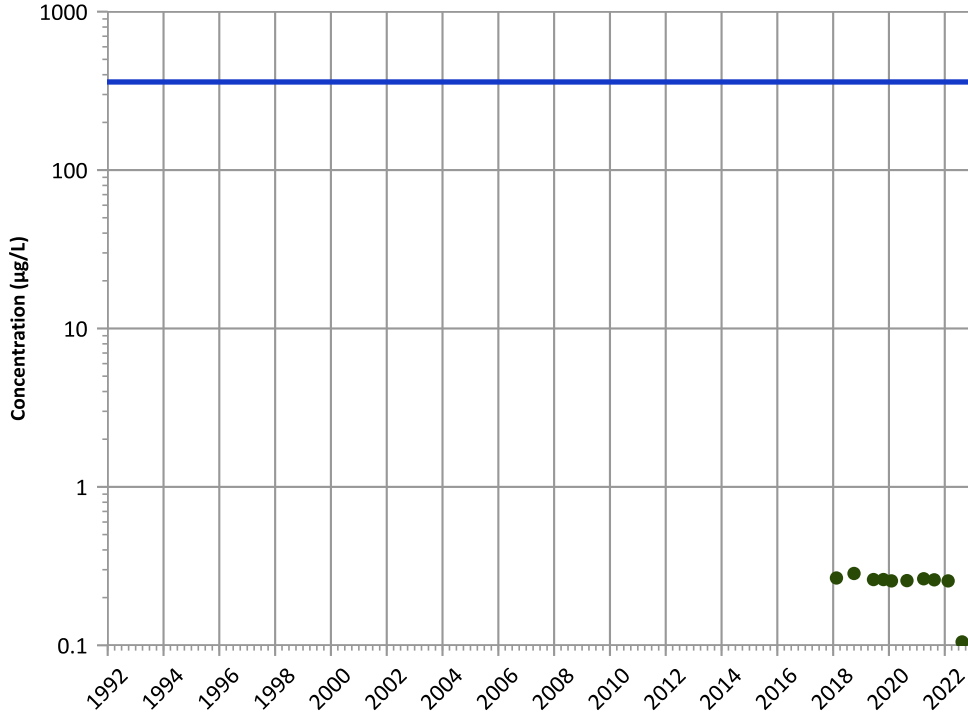


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

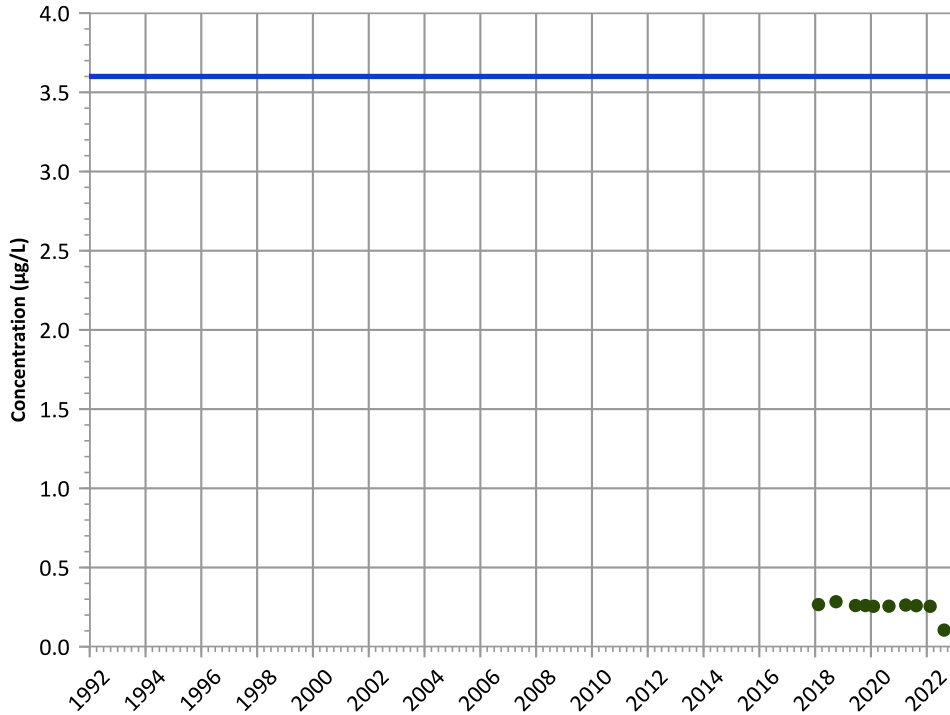


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

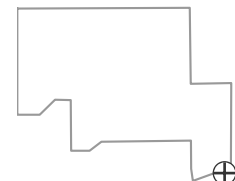
MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

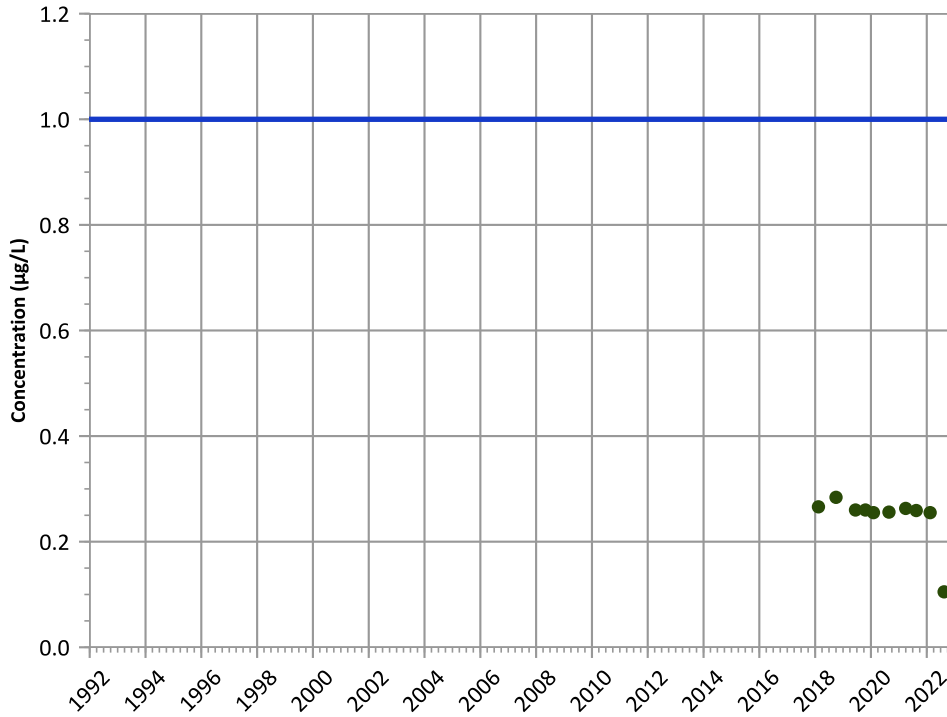
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

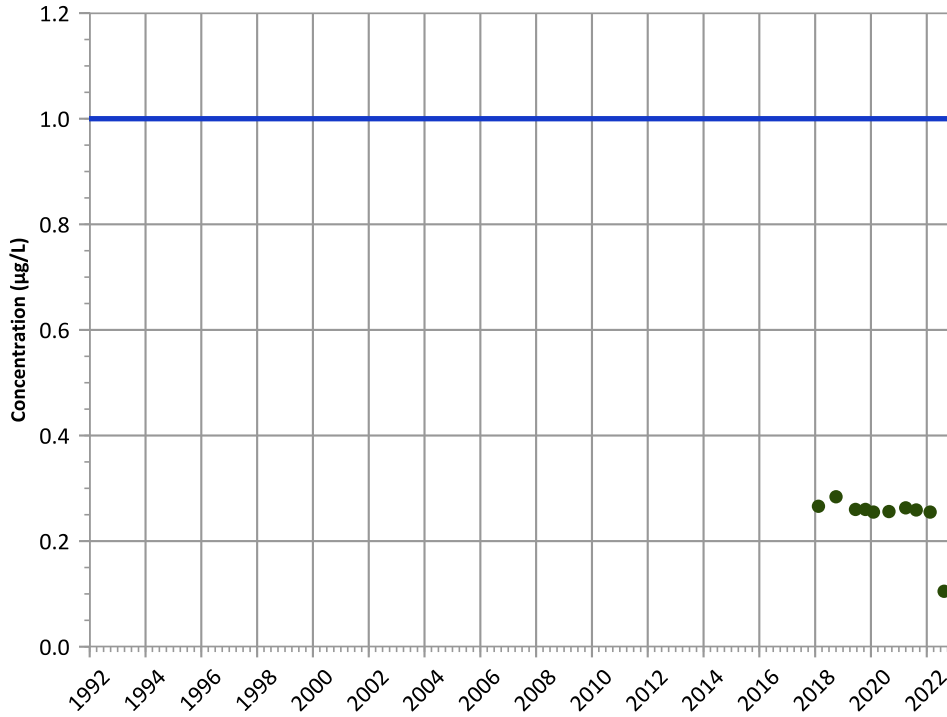
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

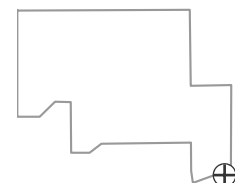
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location

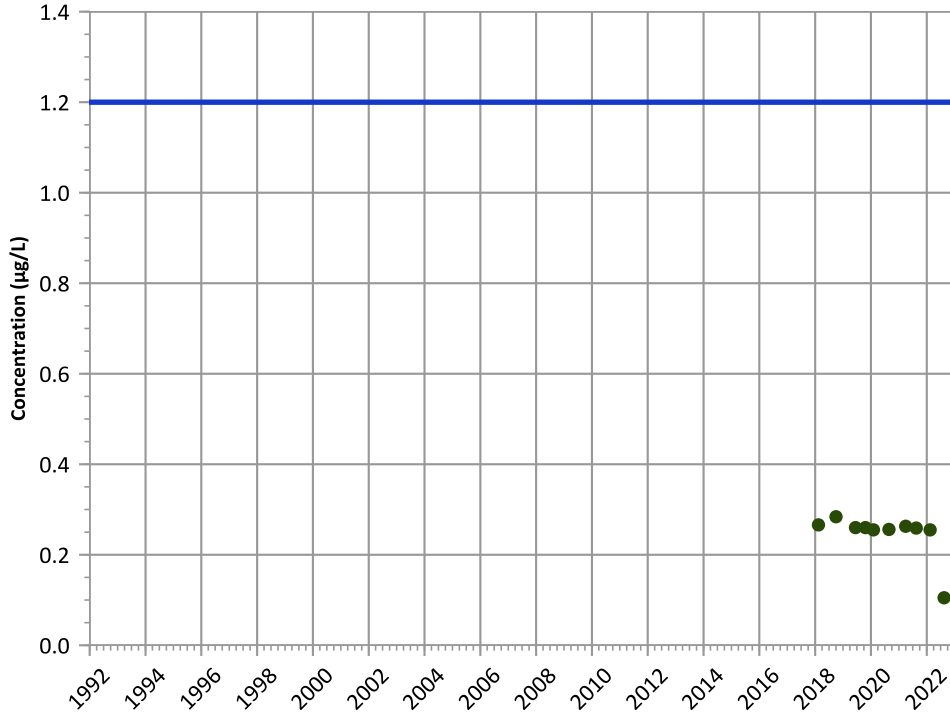


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

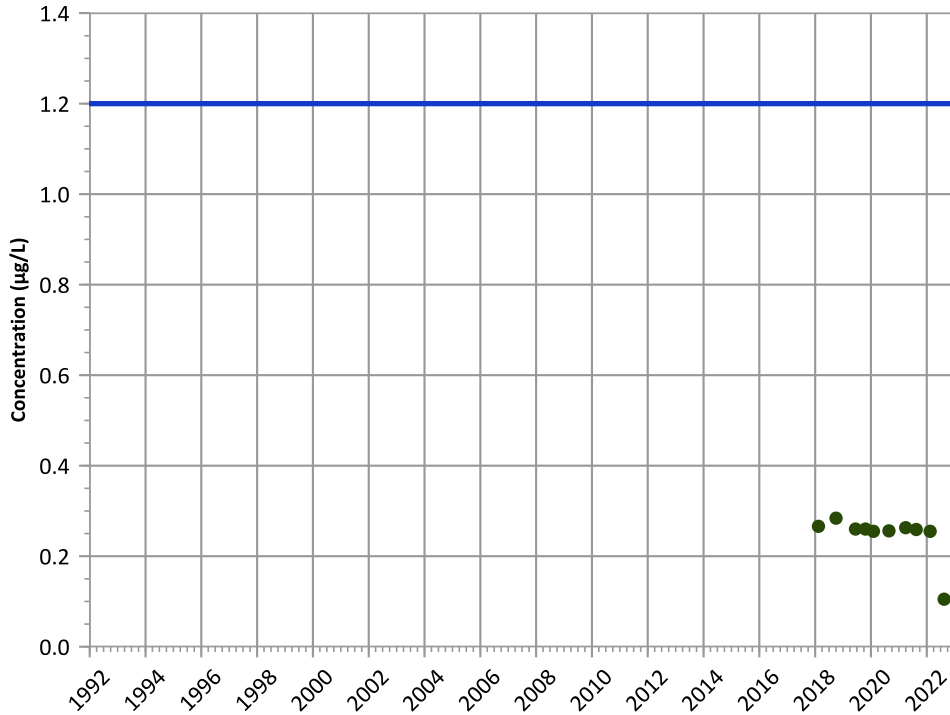
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

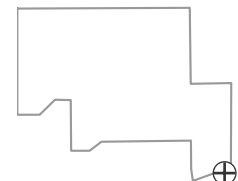
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

Well Location



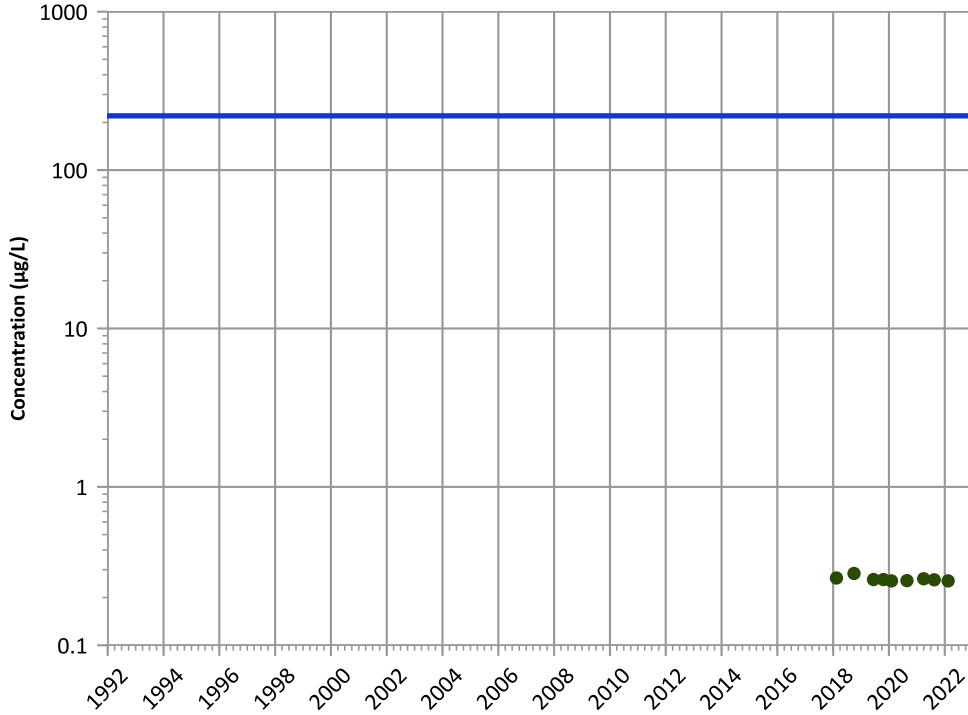
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

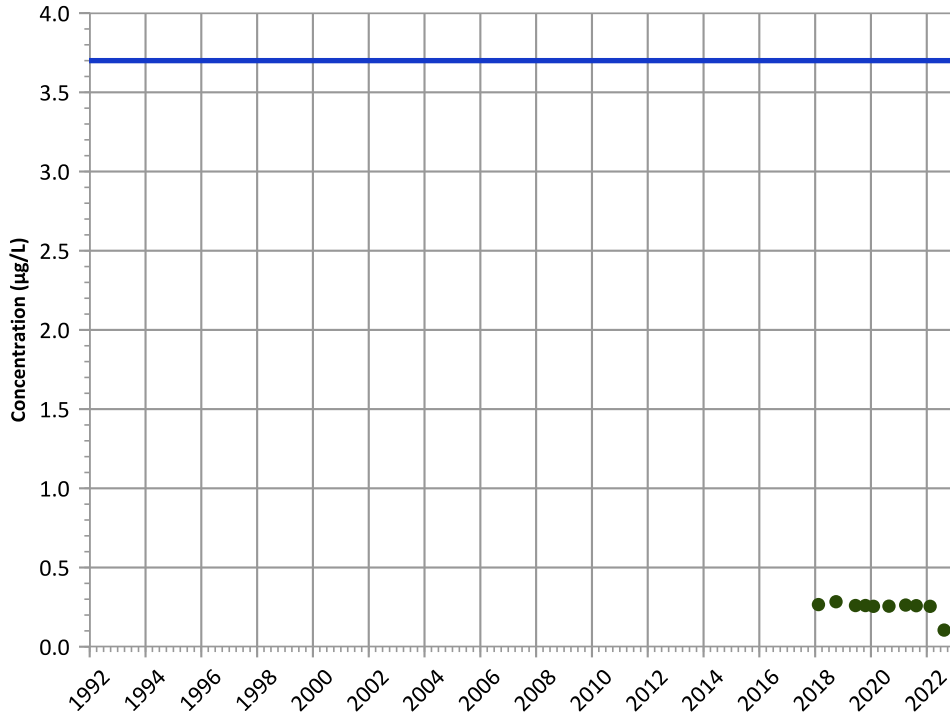


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

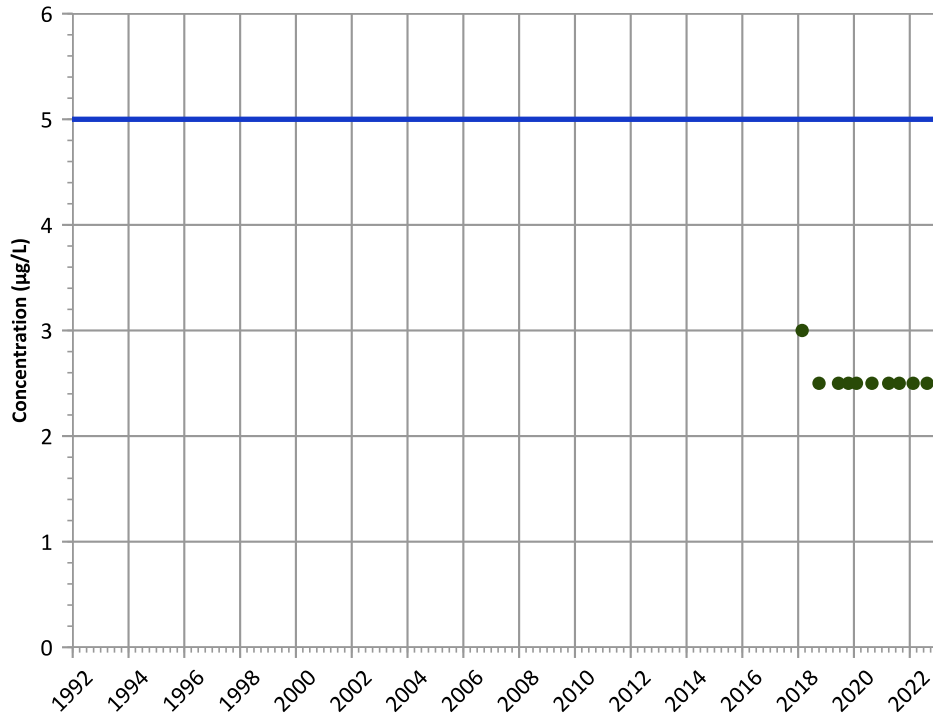
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

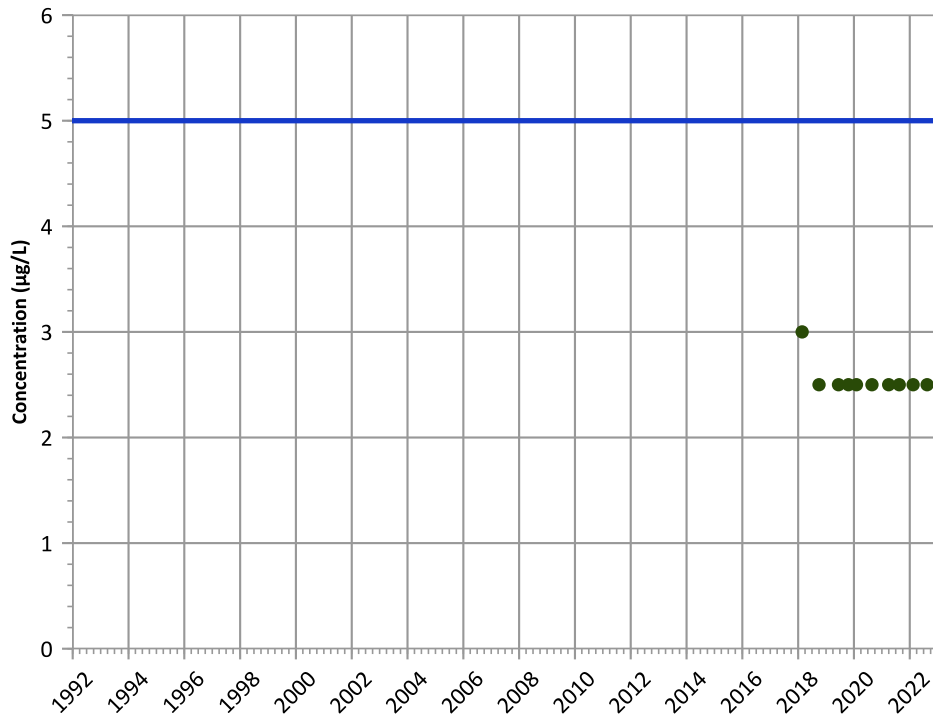
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

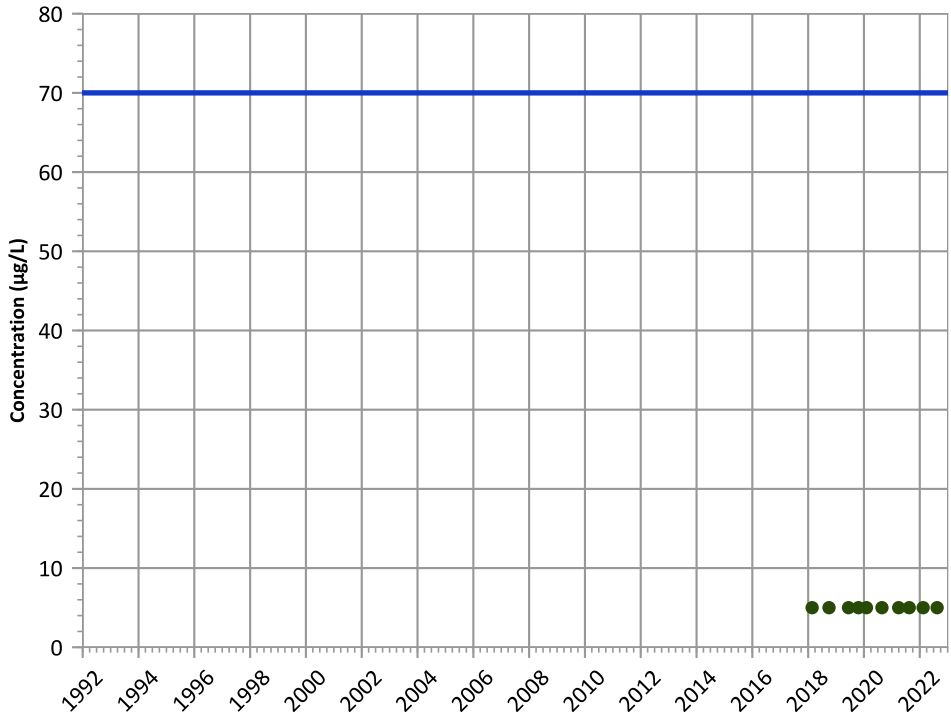
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

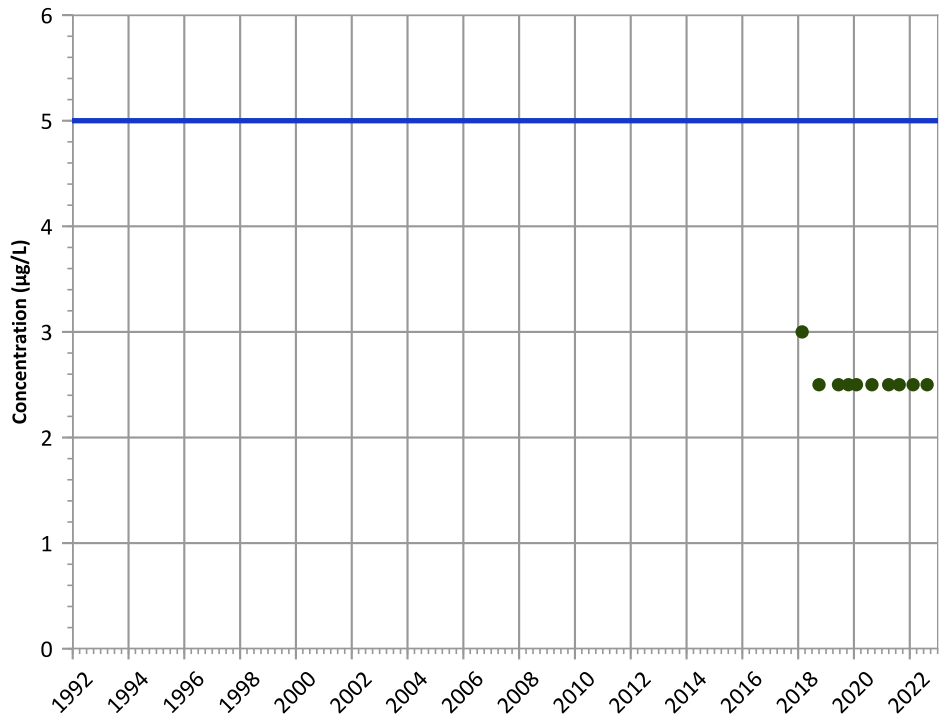


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**

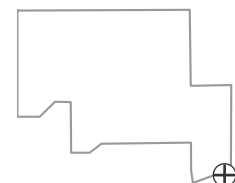


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

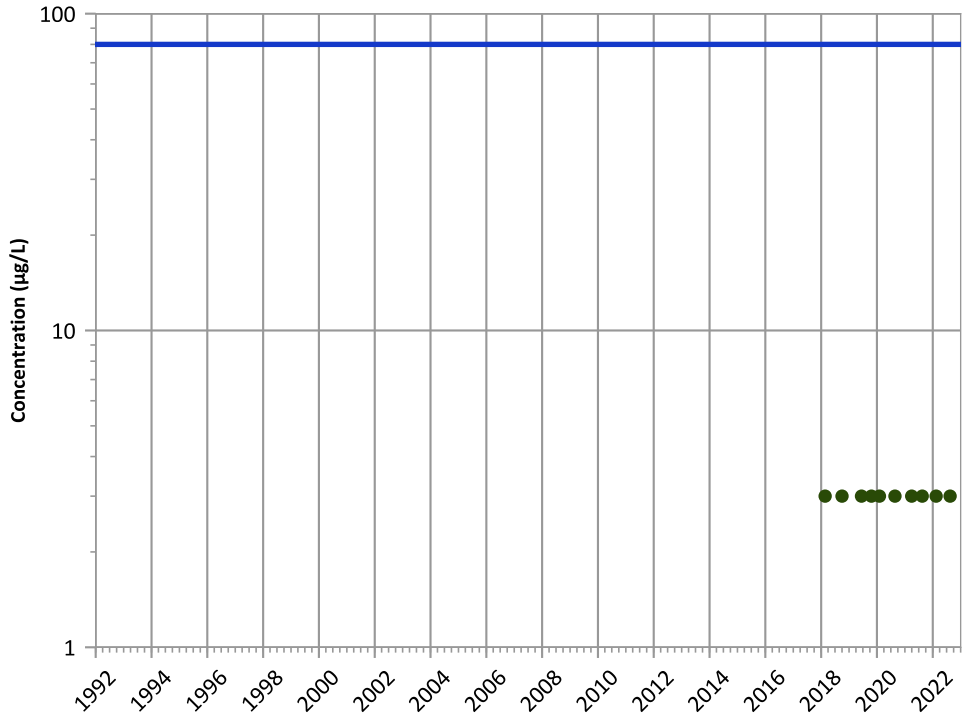
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

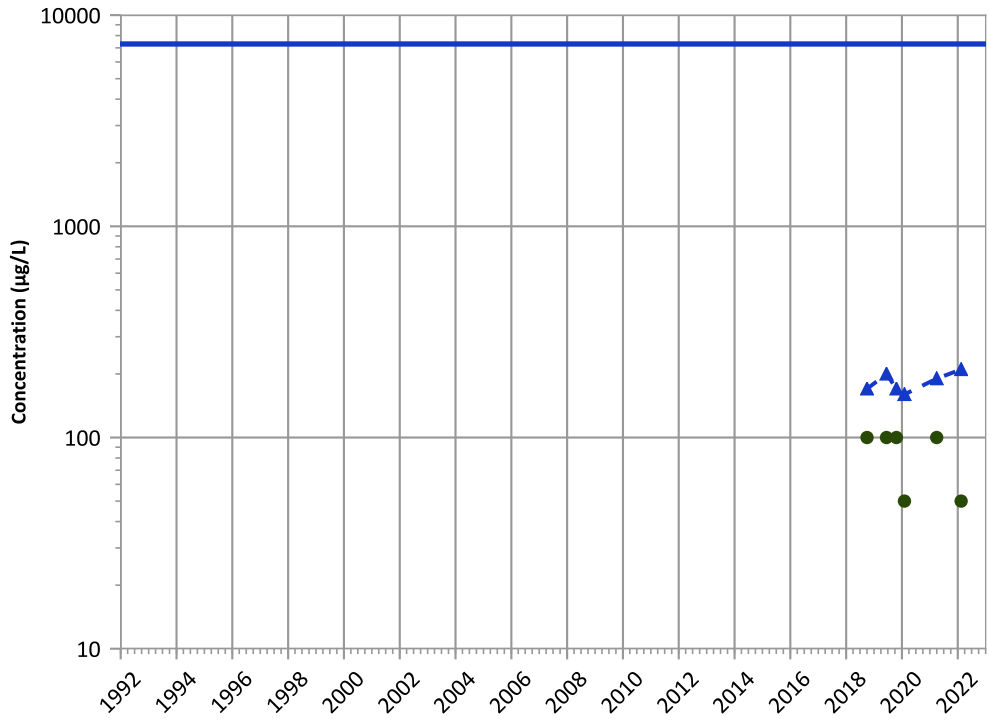
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

**MAROS Linear Regression Method**

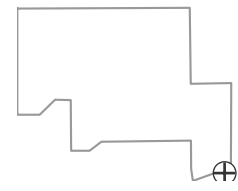
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

No Trend

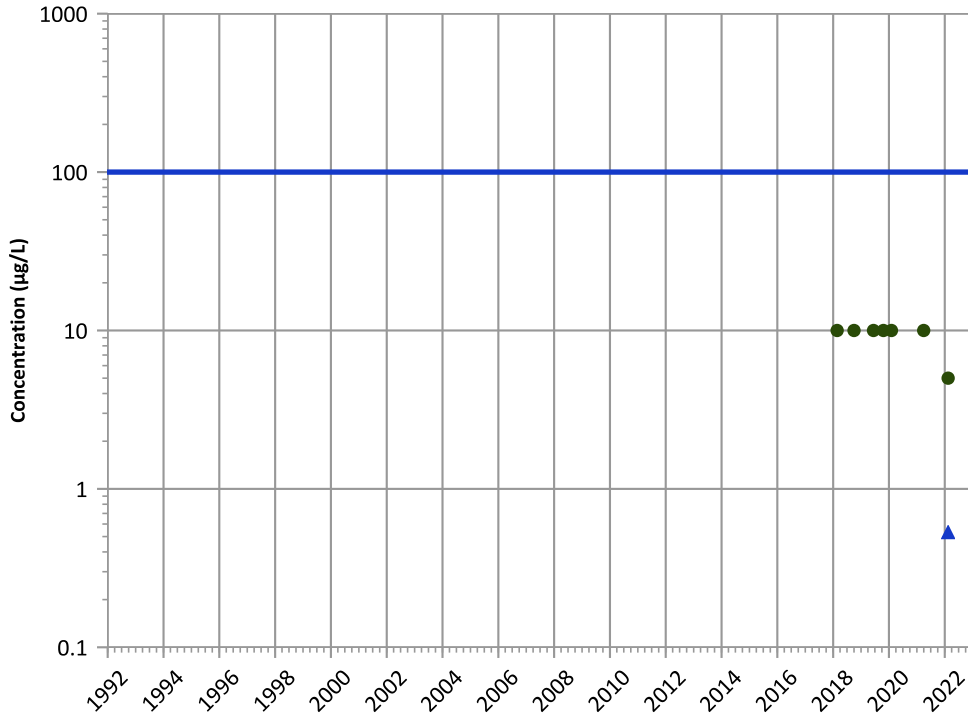
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

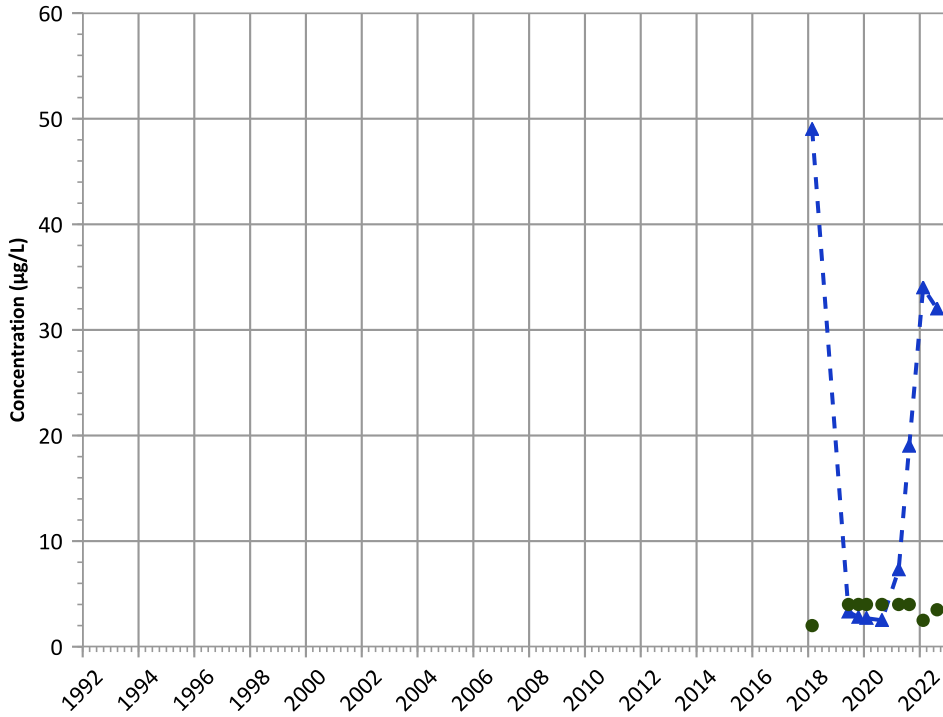


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Manganese Trend**



**Concentration Trend**

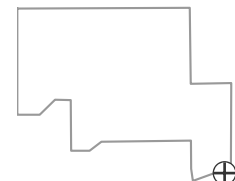
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

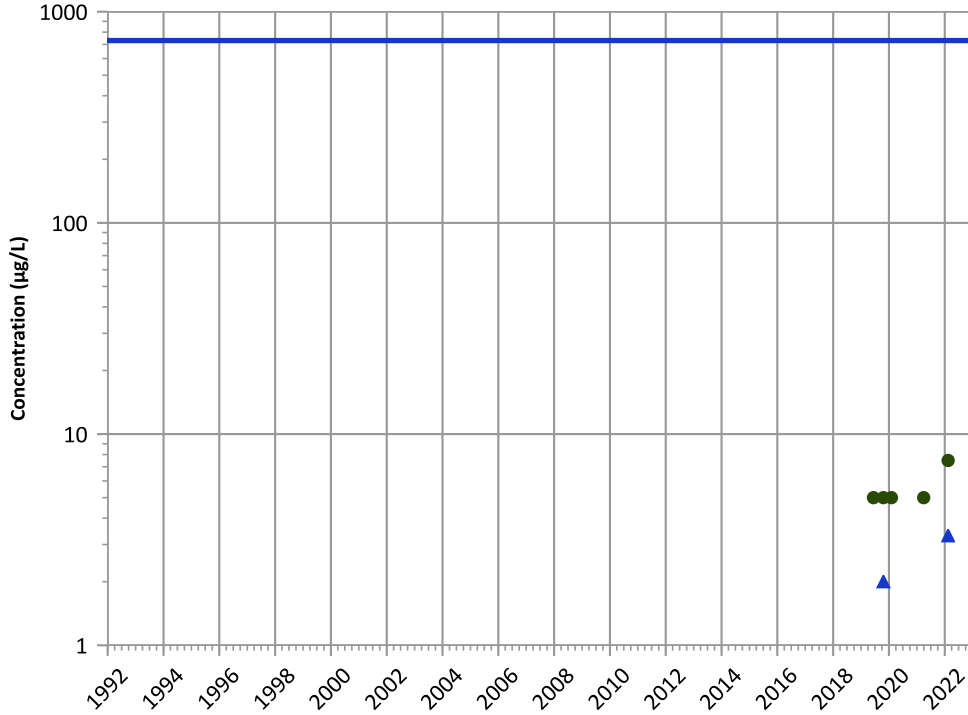
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

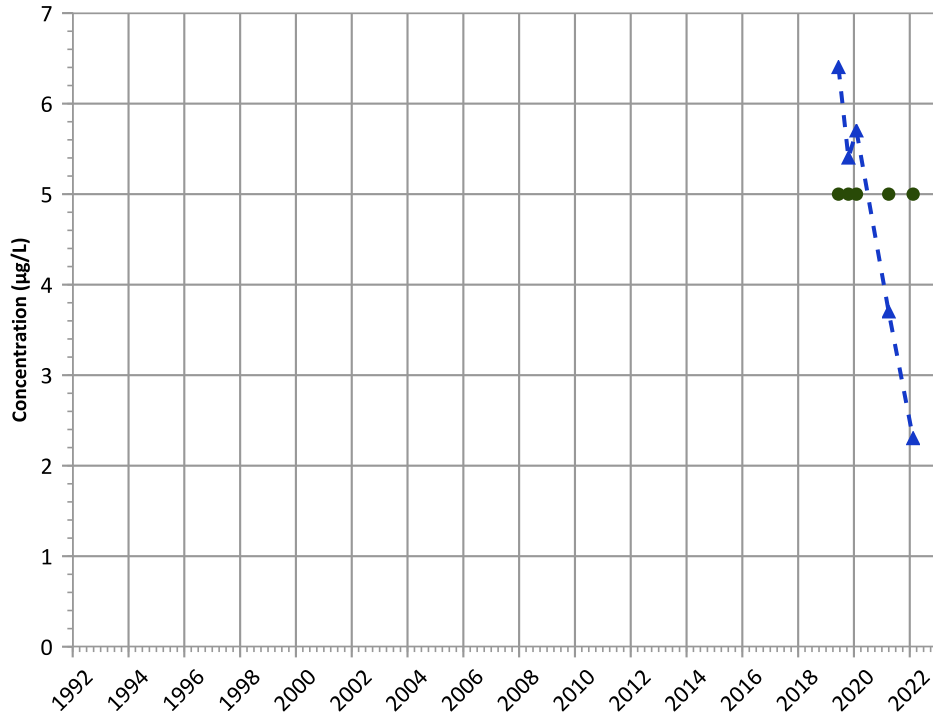


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Molybdenum Trend



Concentration Trend

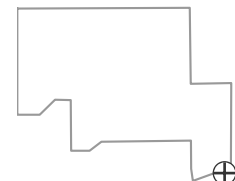
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

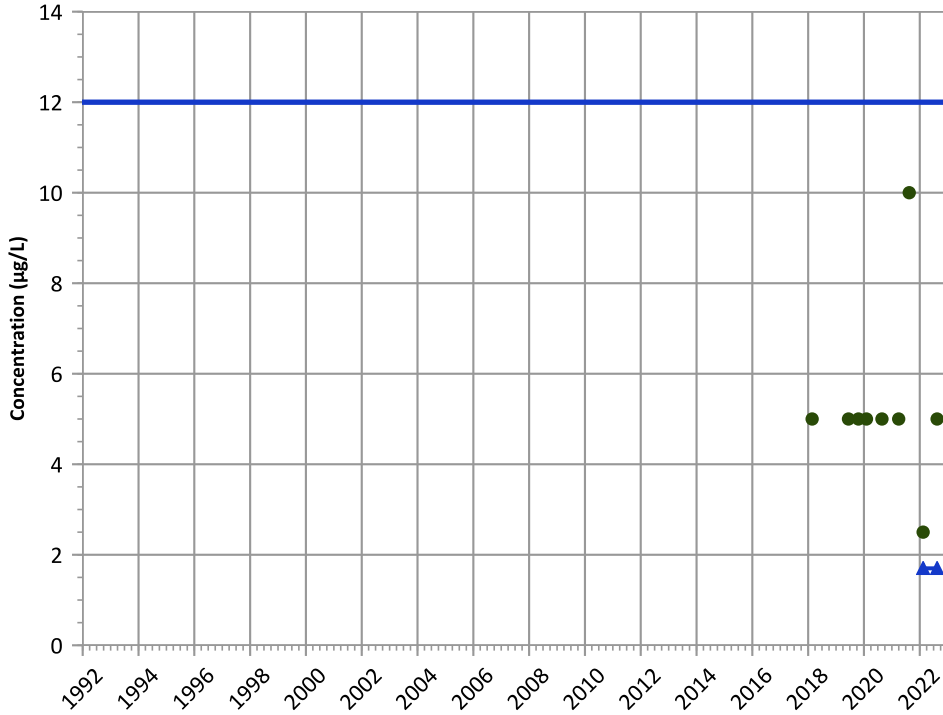
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

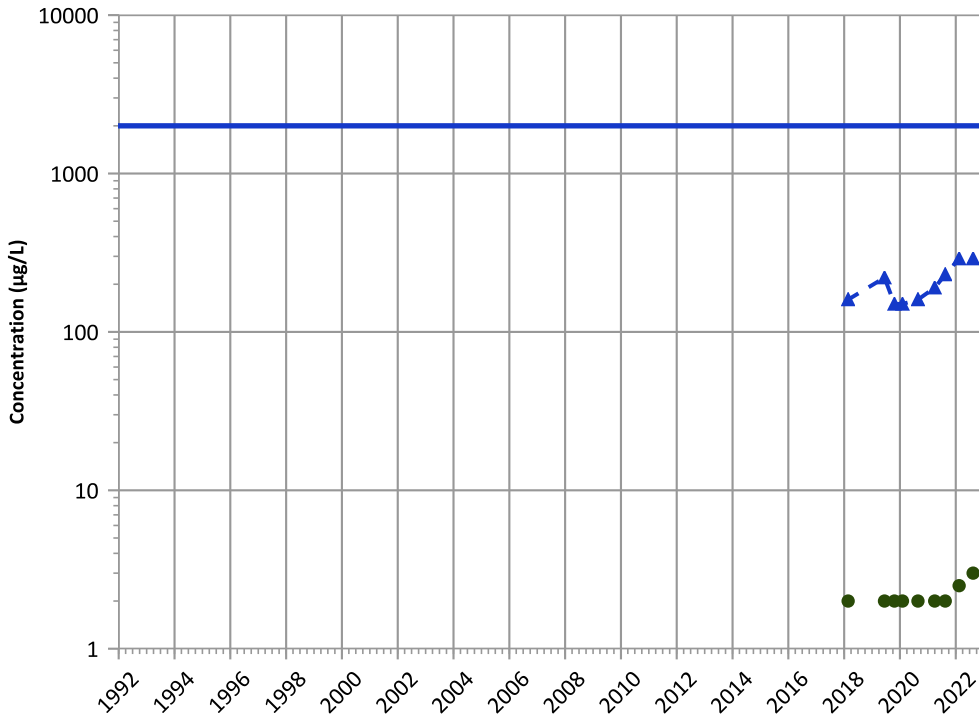


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Barium Trend



Concentration Trend

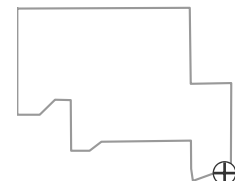
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

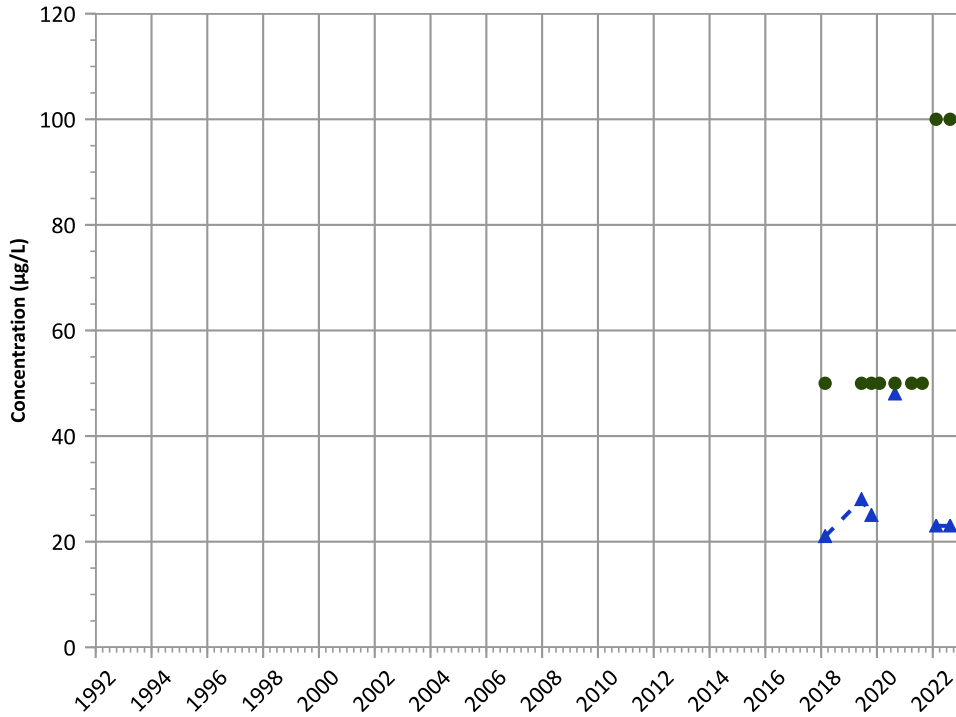
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1194 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

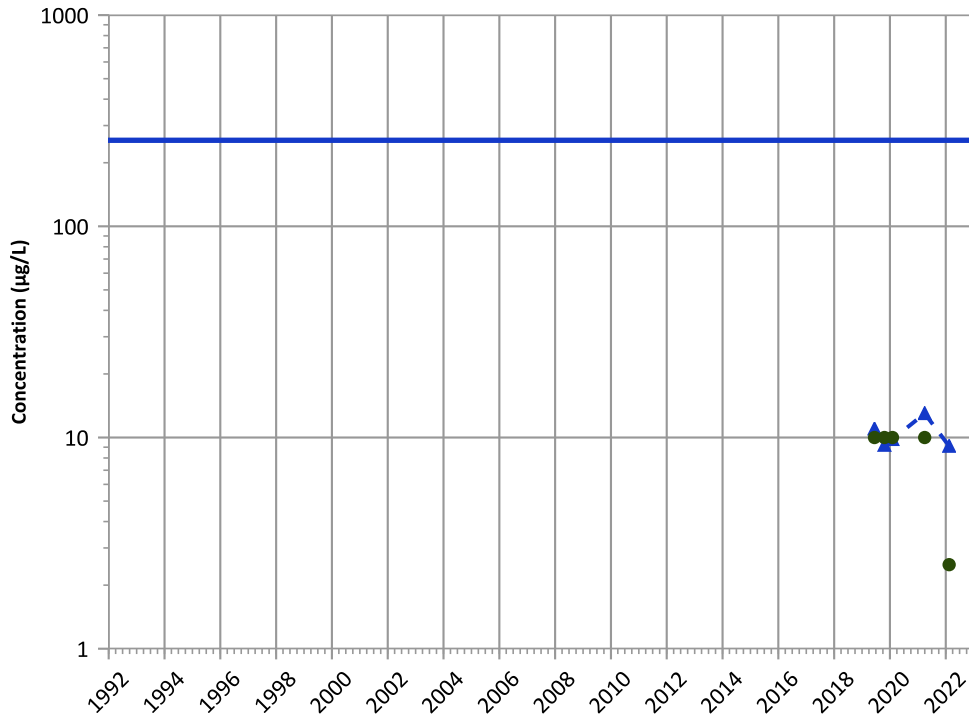


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Stable

Vanadium Trend

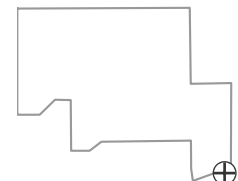


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Stable

Well Location

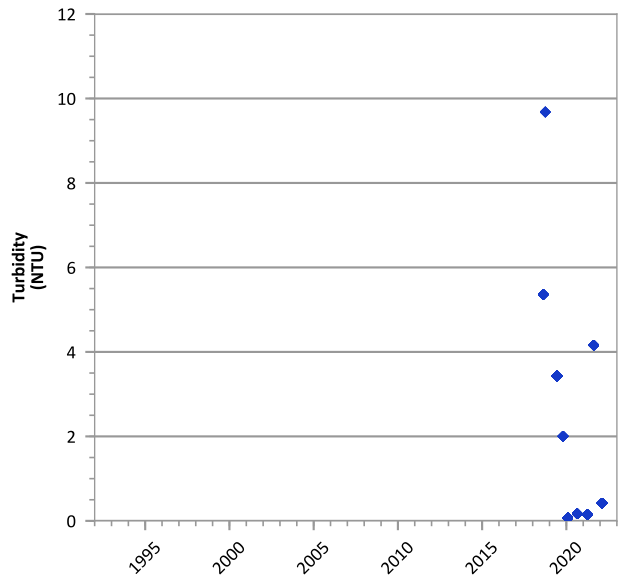
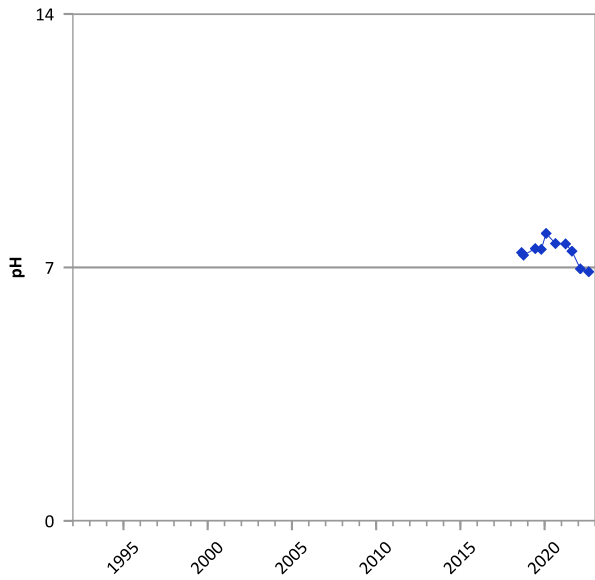
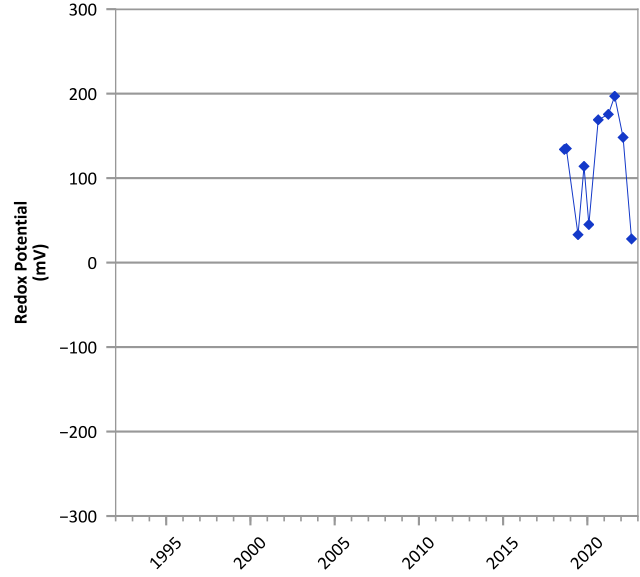
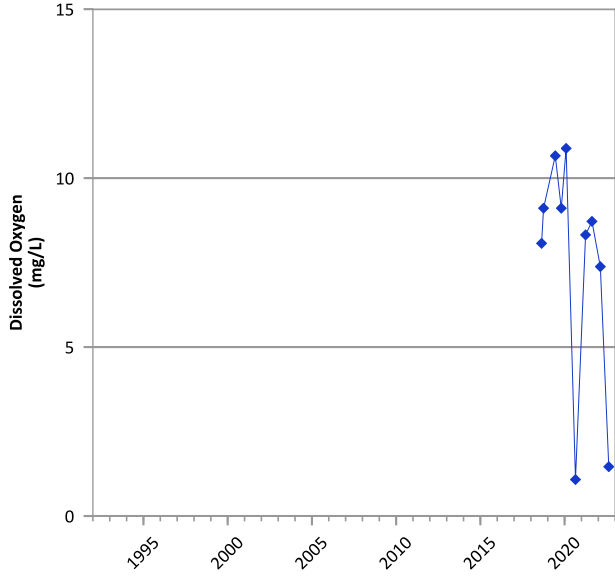


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 02/13/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

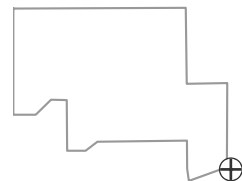


**PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



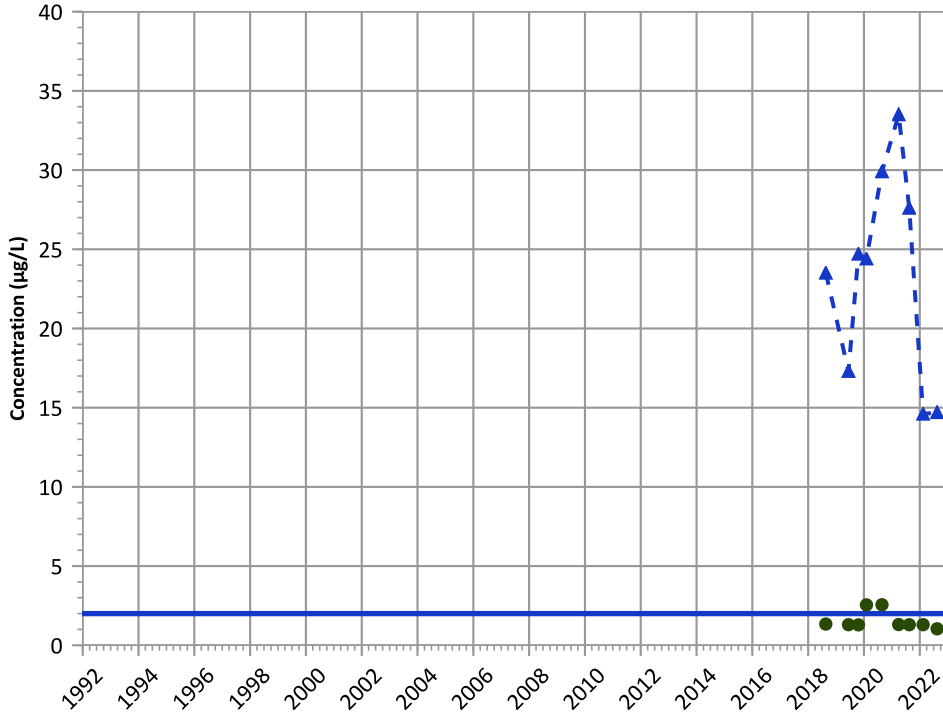
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/20/2018 to 08/16/2022  
 Analysis Date: 04/27/2023

**Well Location**



PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

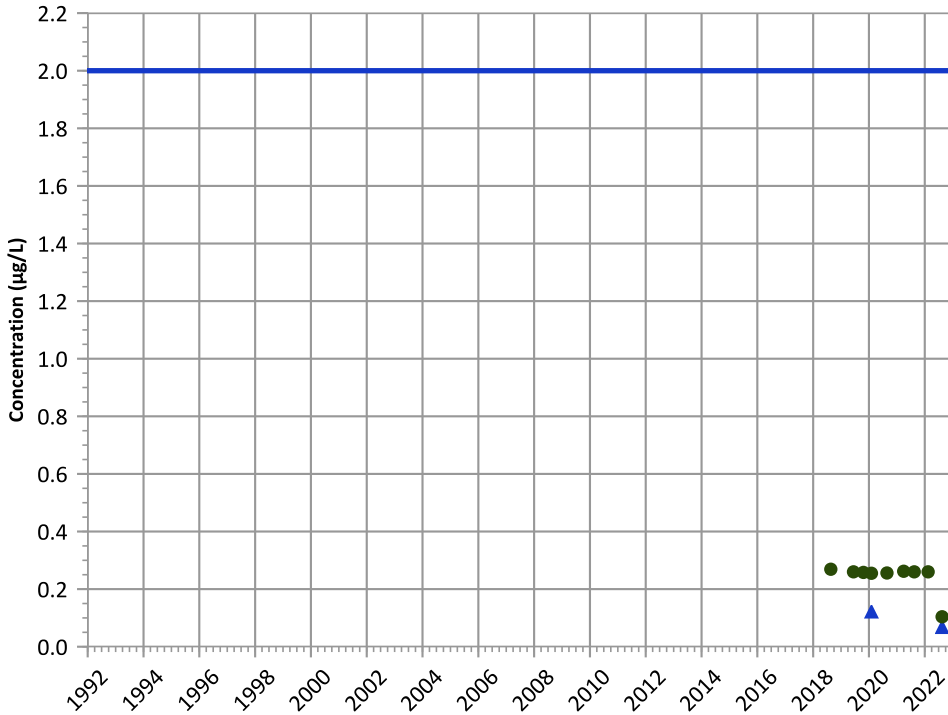
Data (7/2009 - 12/2022):

Stable

2020 - 2022 Data:

Decreasing

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

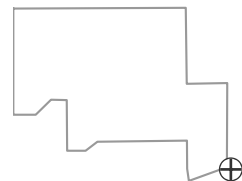
Data (7/2009 - 12/2022):

N/A (<4 Detections in Dataset)

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

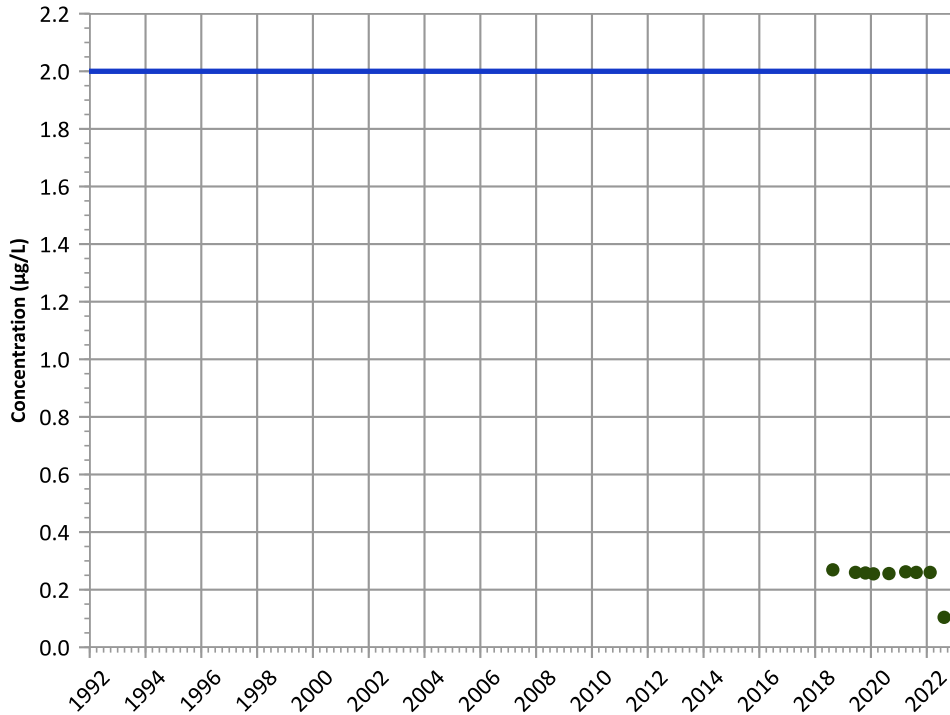
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**MAROS Linear Regression Method**

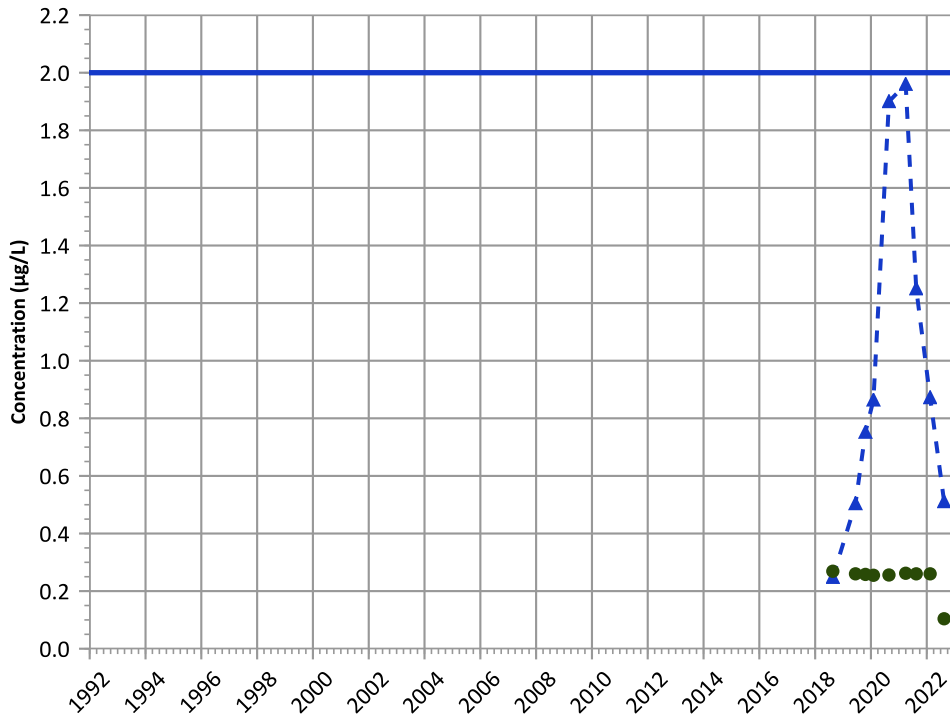
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

**Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

Data (7/2009 - 12/2022):

Probably Increasing

2020 - 2022 Data:

Decreasing

**MAROS Linear Regression Method**

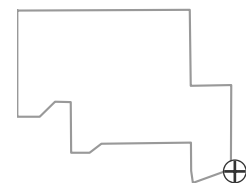
Data (7/2009 - 12/2022):

No Trend

2020 - 2022 Data:

Decreasing

**Well Location**

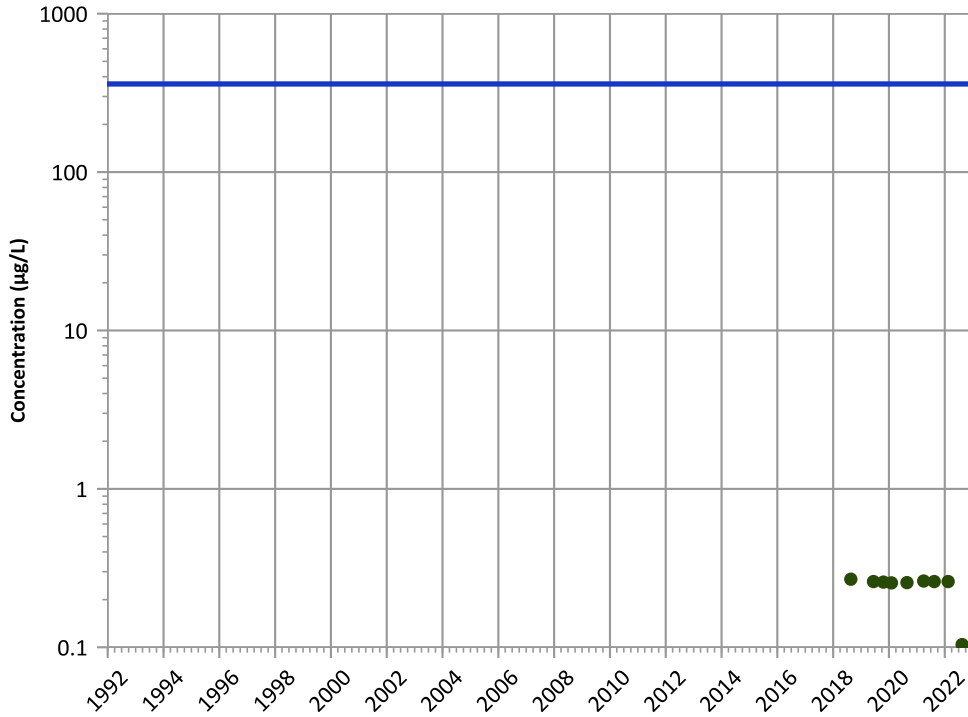


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

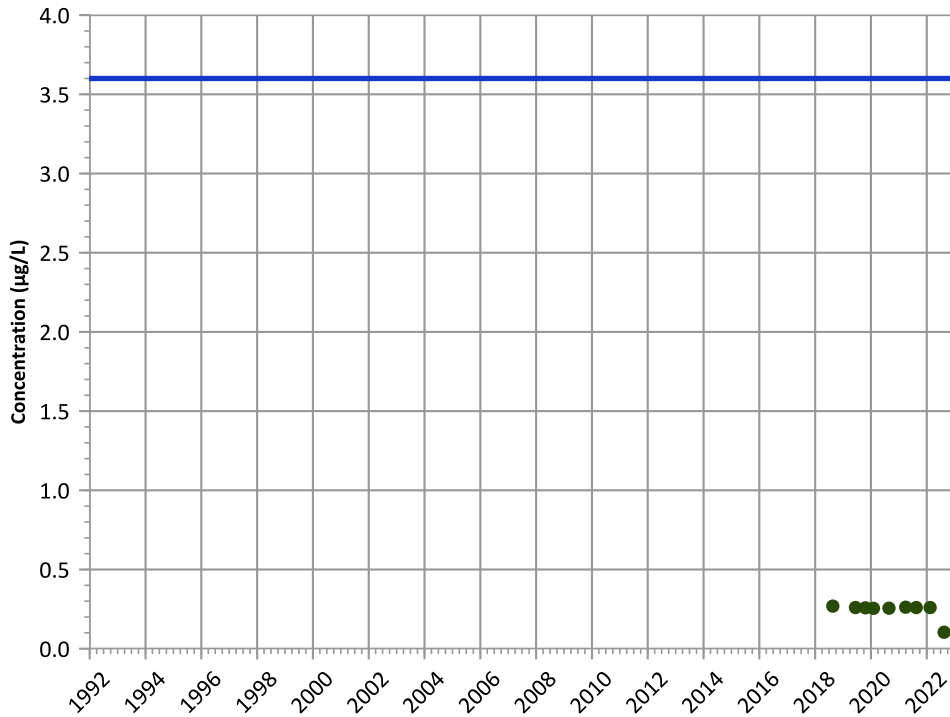


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend

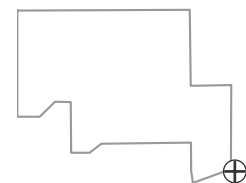


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

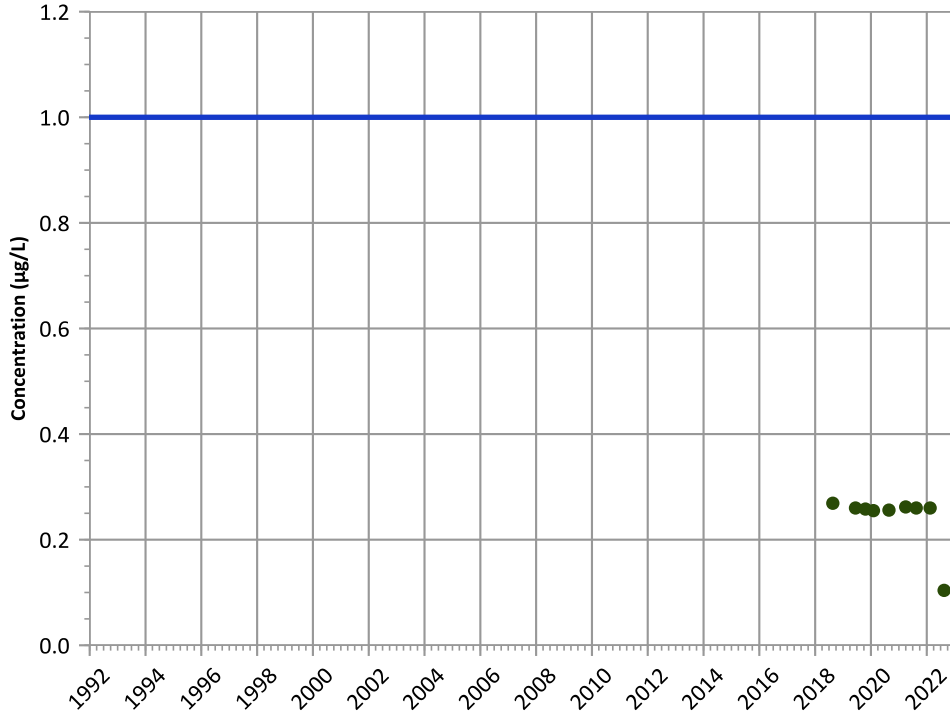


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

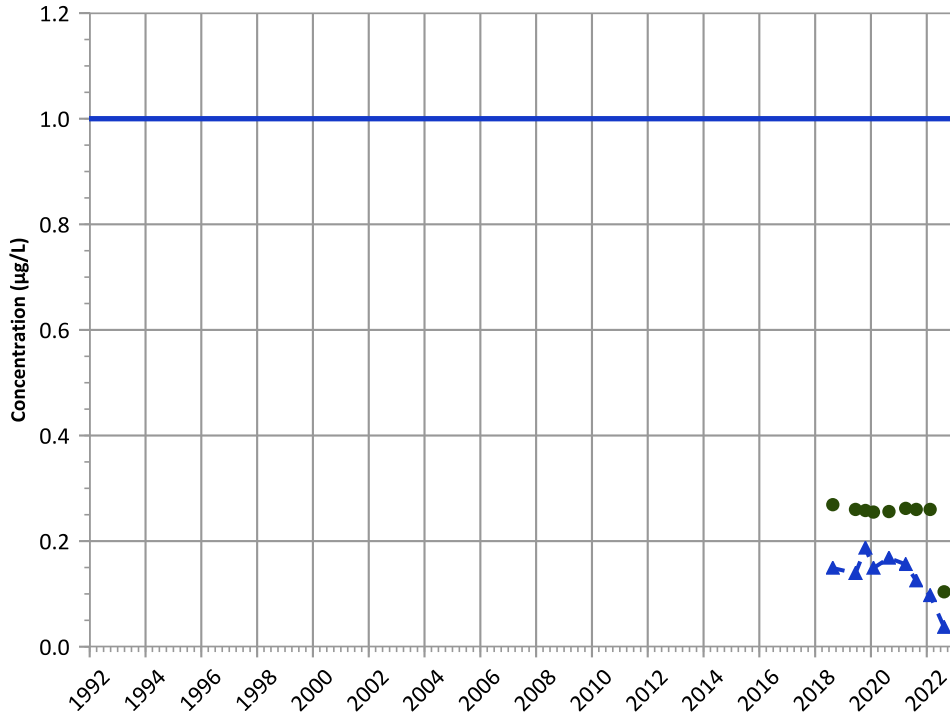
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

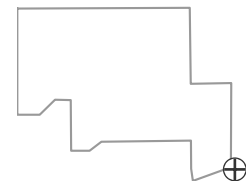
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Probably Decreasing

Well Location

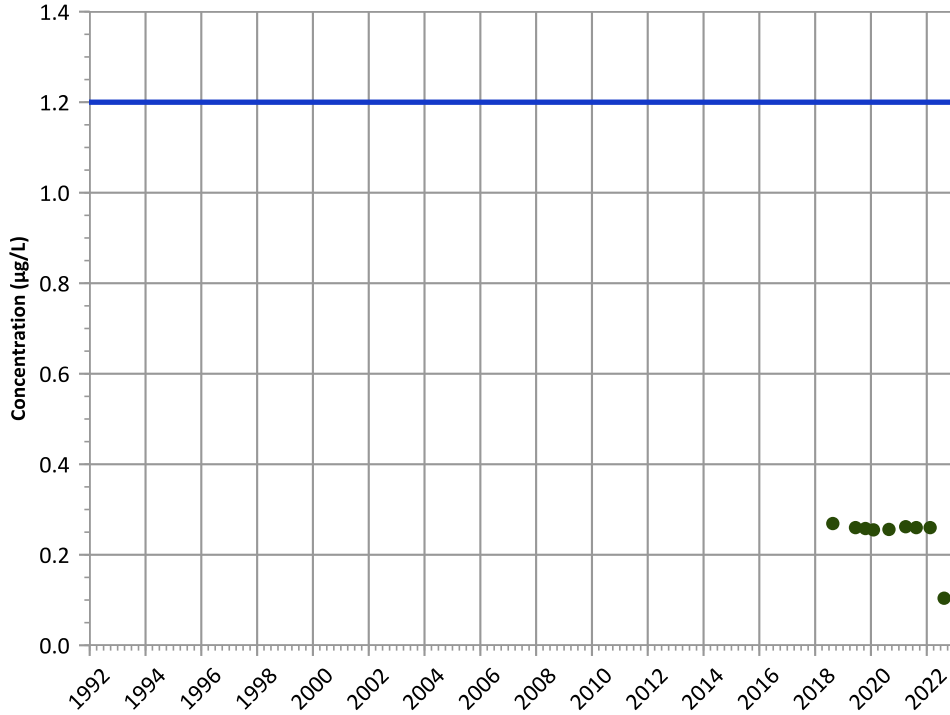


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

MAROS Linear Regression Method

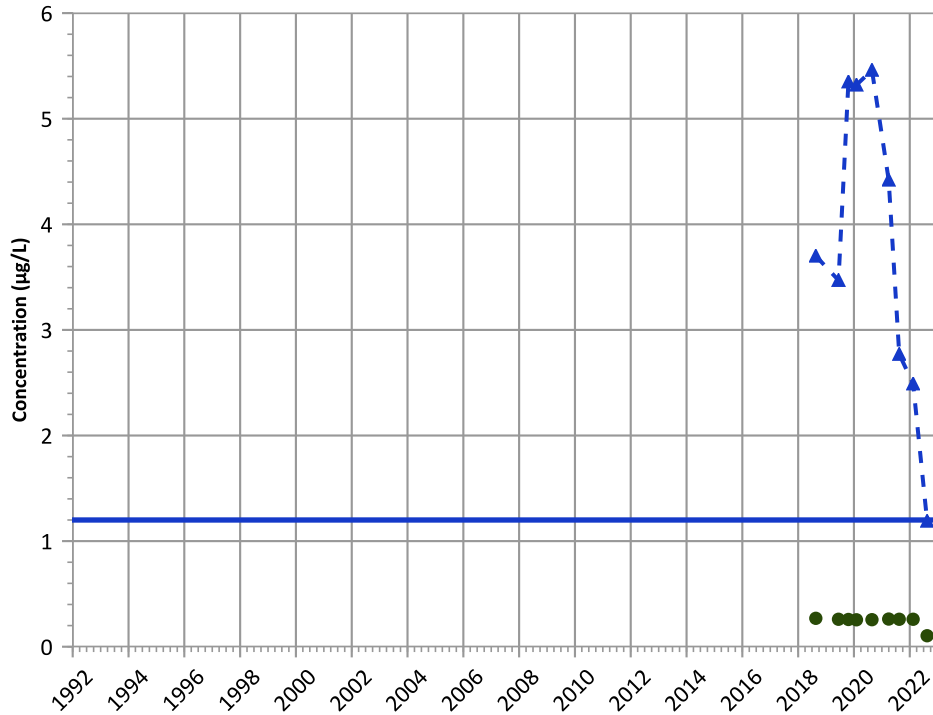
Data (7/2009 - 12/2022):

All Non-Detect

2020 - 2022 Data:

All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (7/2009 - 12/2022):

Probably Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

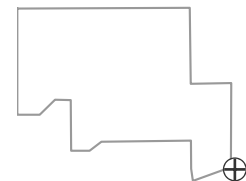
Data (7/2009 - 12/2022):

Decreasing

2020 - 2022 Data:

Decreasing

Well Location

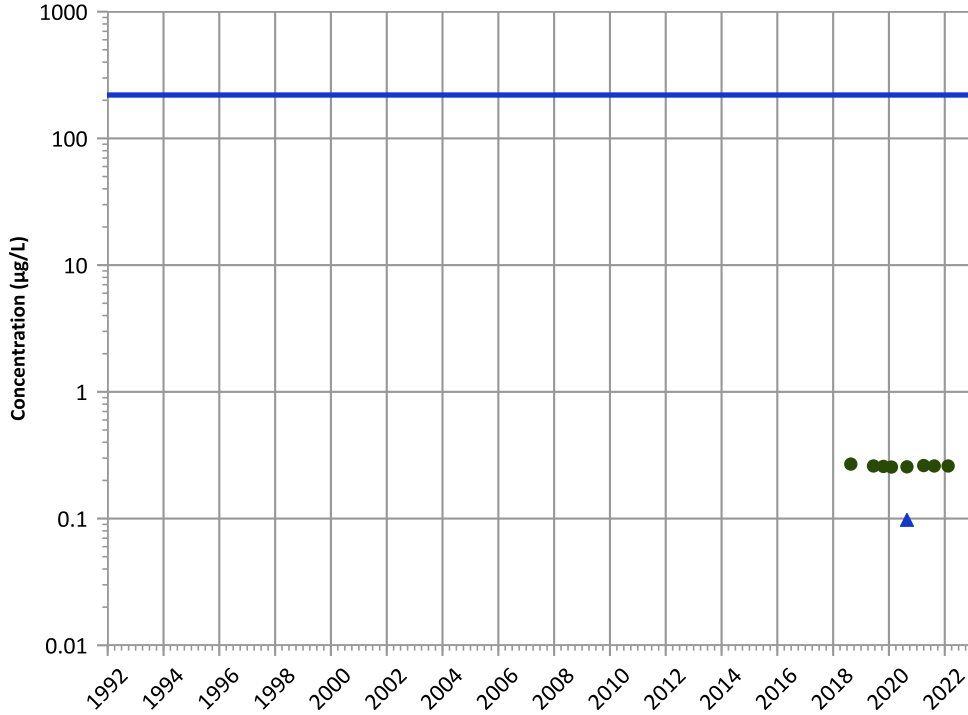


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend

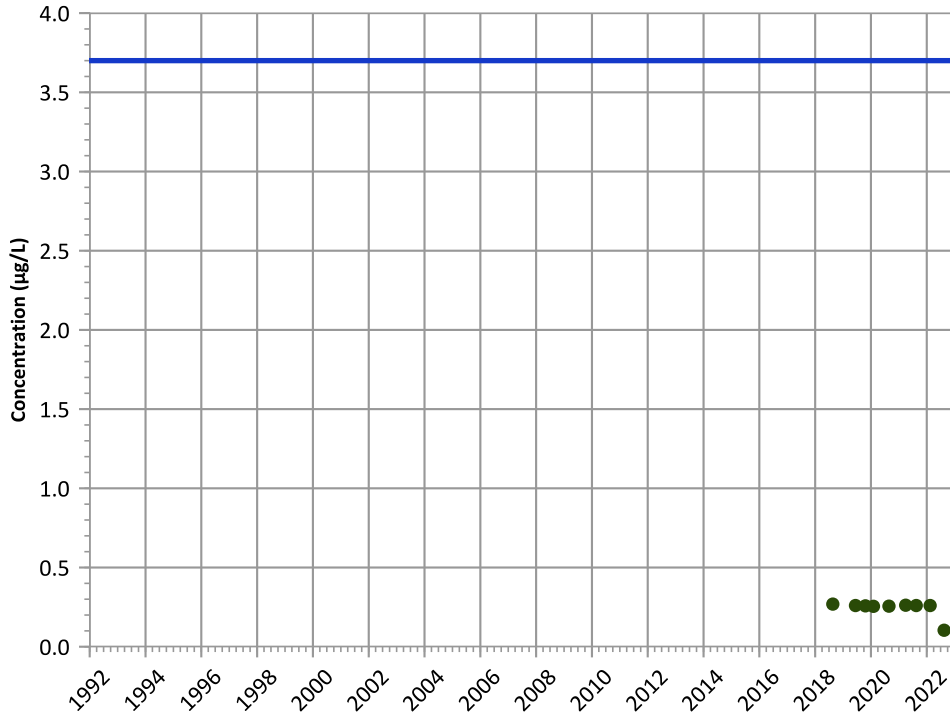


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

1,3-Dinitrobenzene Trend



Concentration Trend

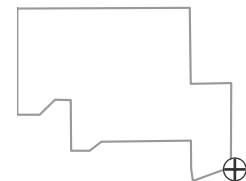
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

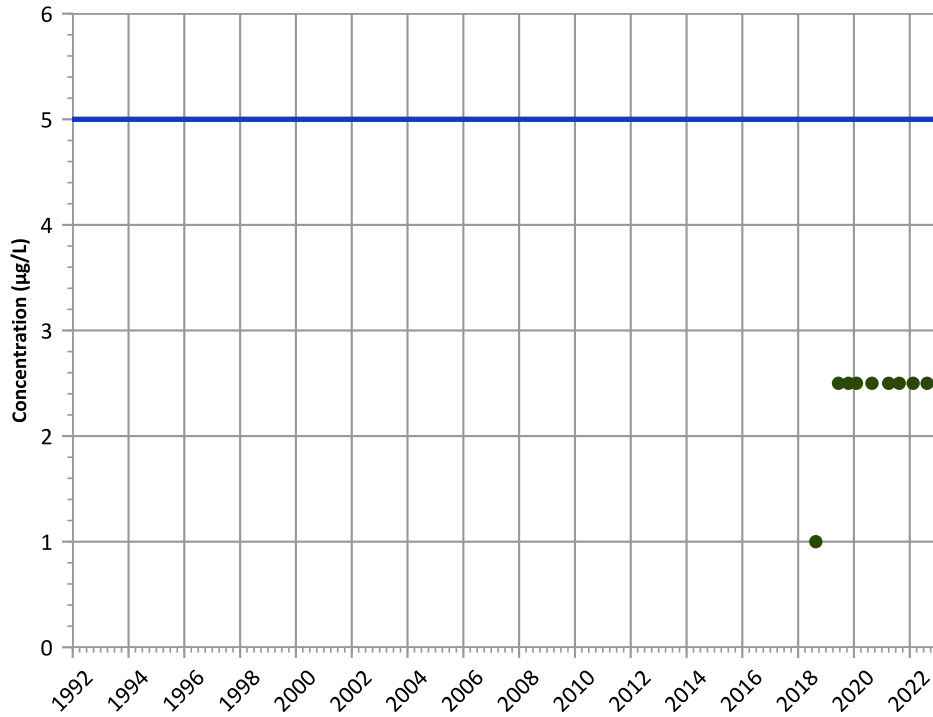
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

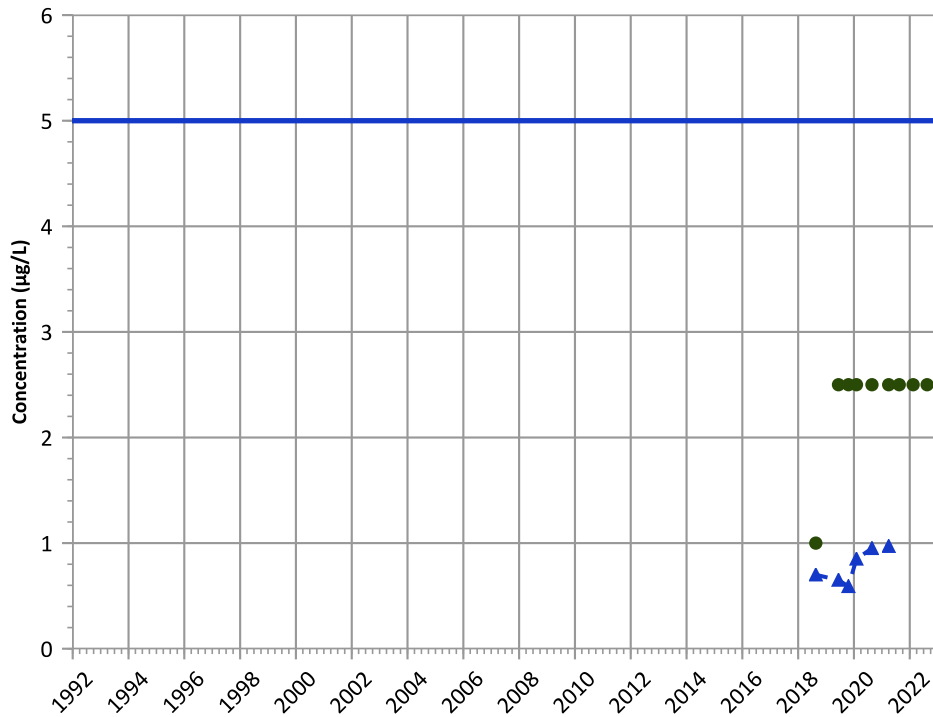


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

**Well Location**

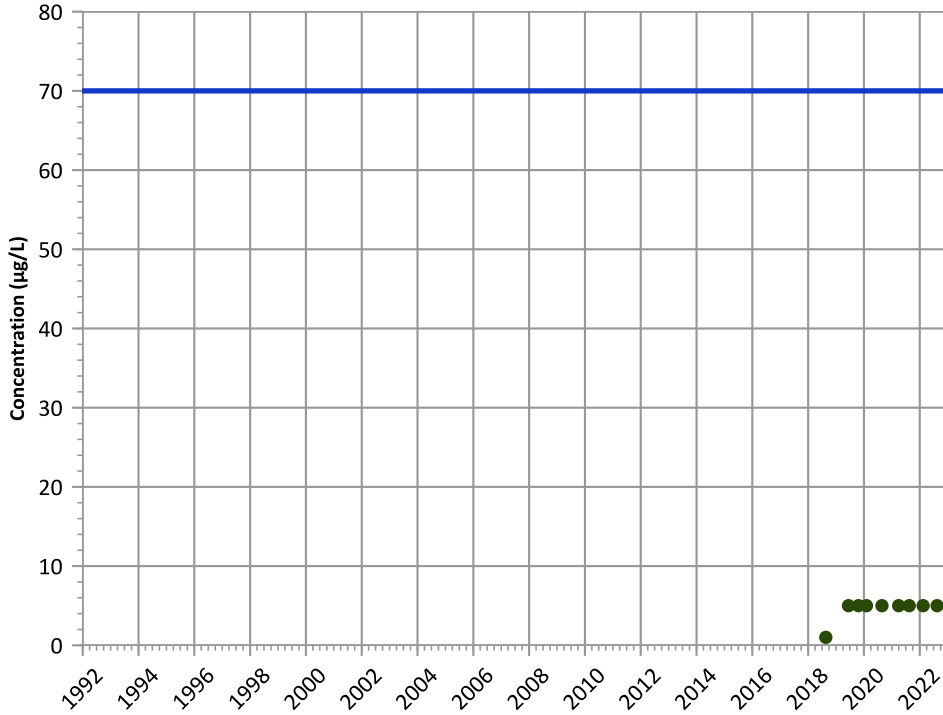


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**

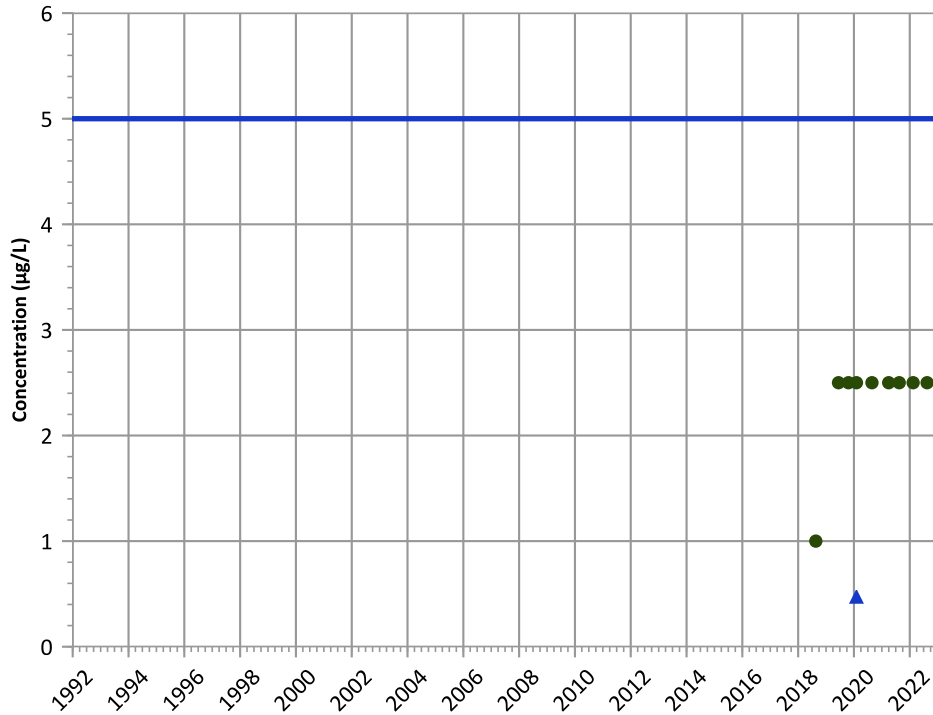


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

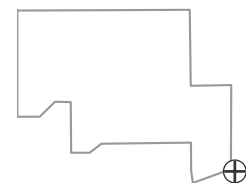
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

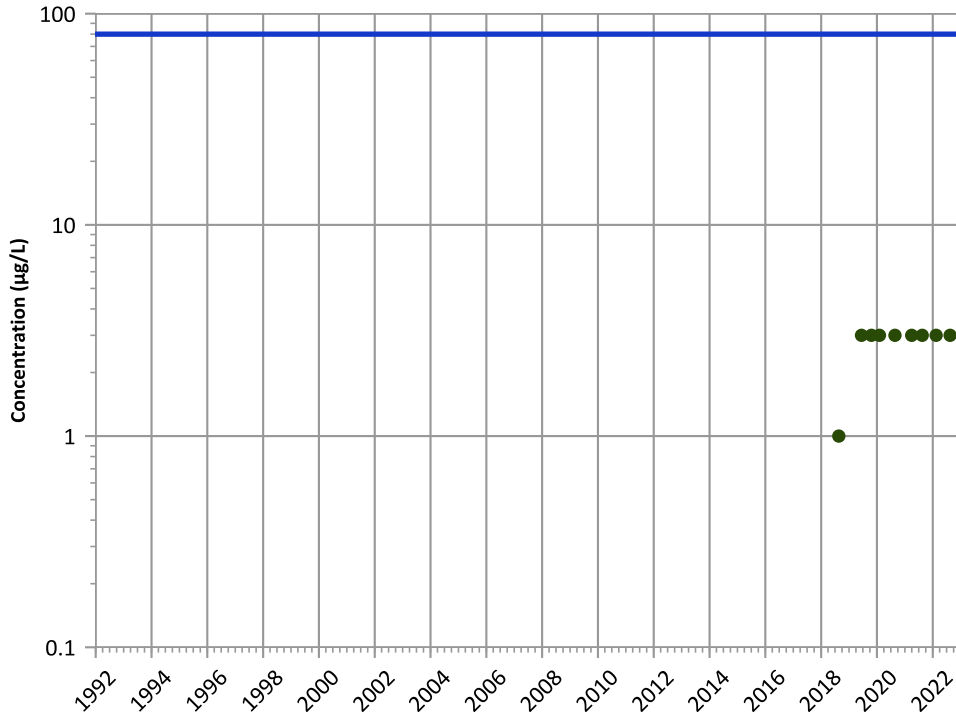
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**

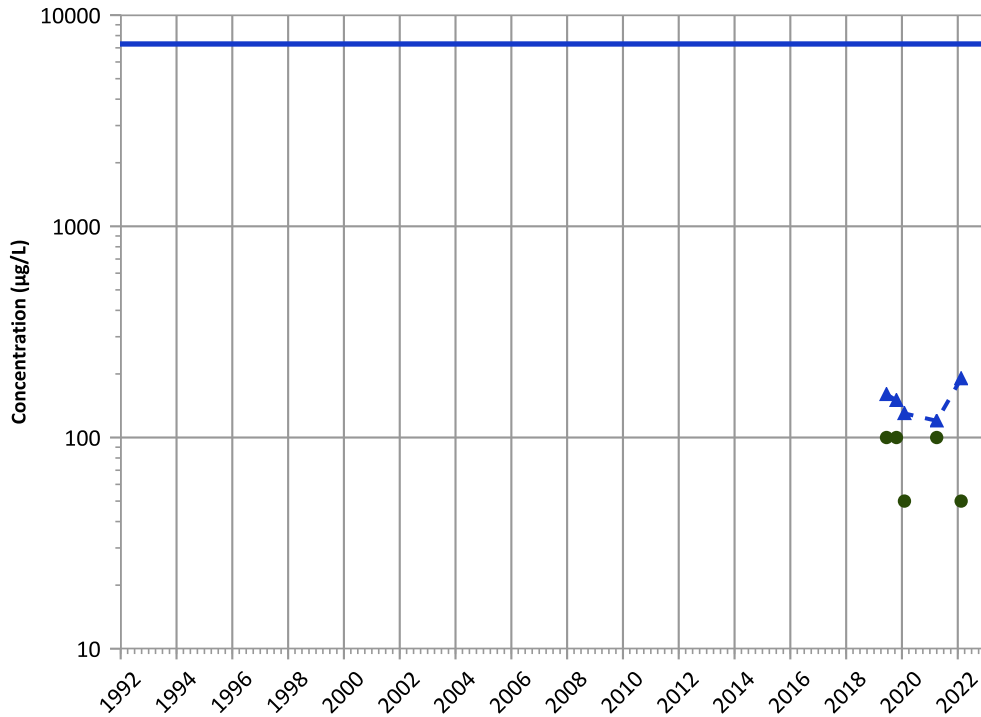


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**

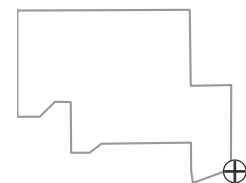


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

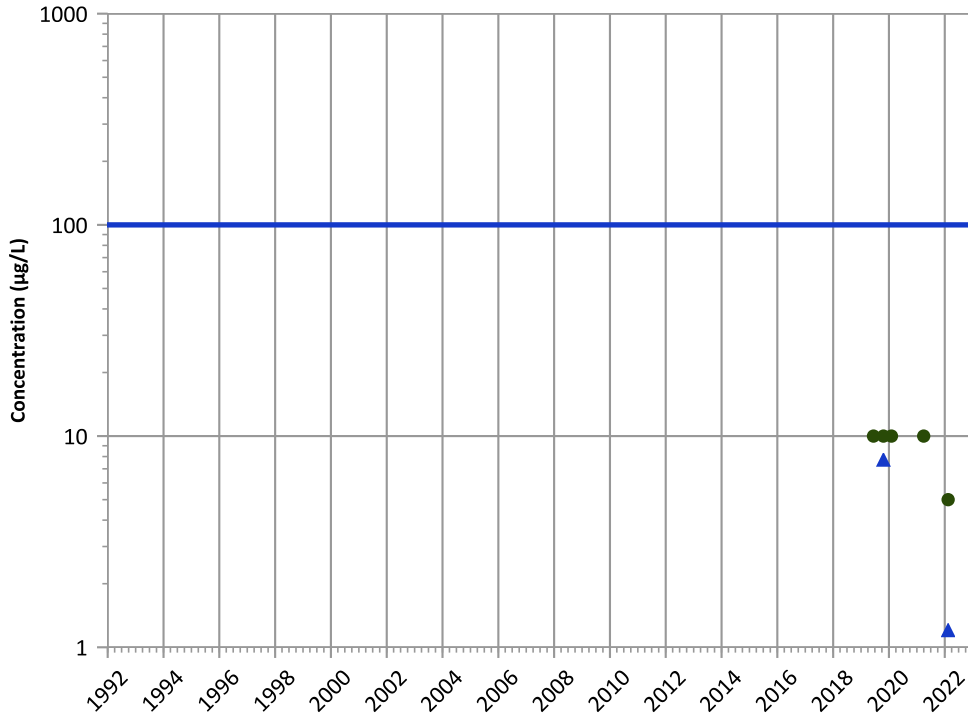
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**

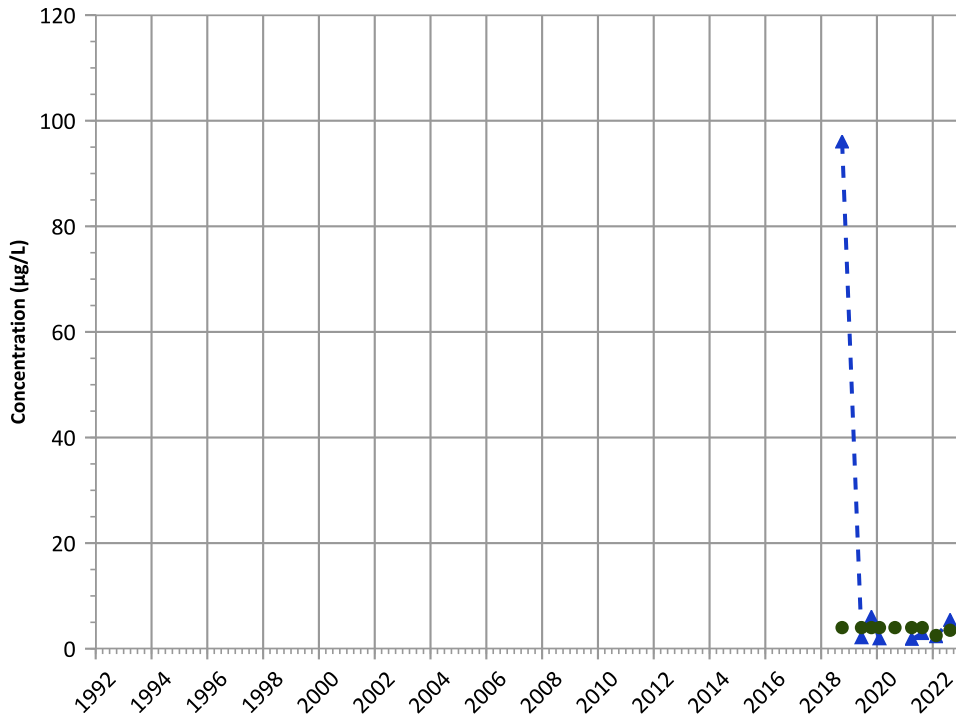


**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Manganese Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
No Trend  
2020 - 2022 Data:  
Probably Increasing

**Well Location**

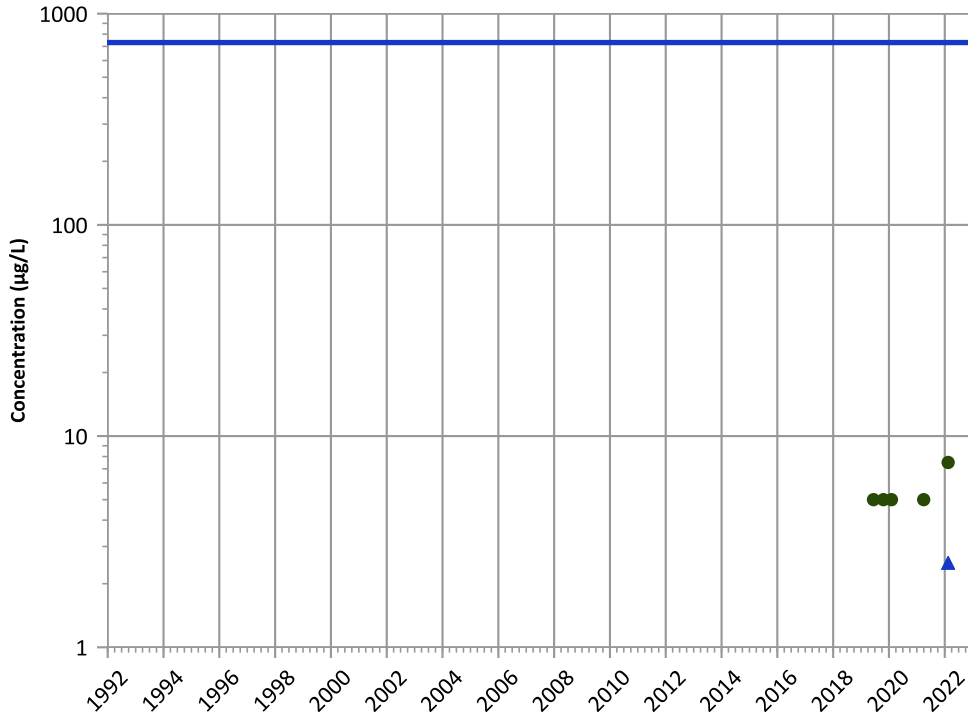


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend

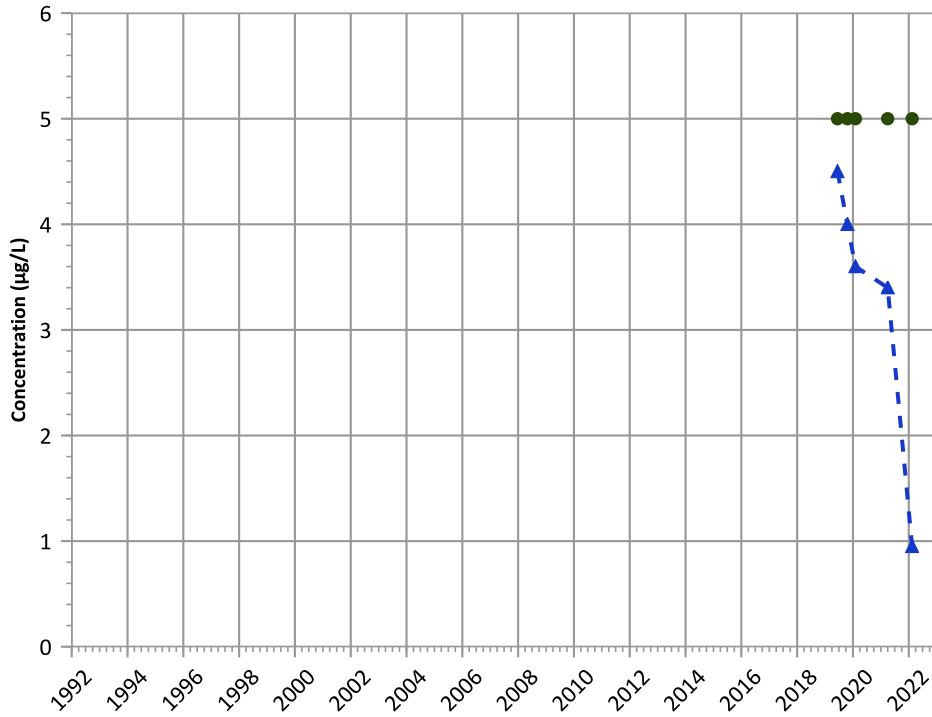


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Molybdenum Trend

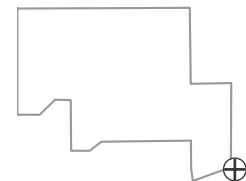


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Decreasing  
2020 - 2022 Data:  
Decreasing

Well Location

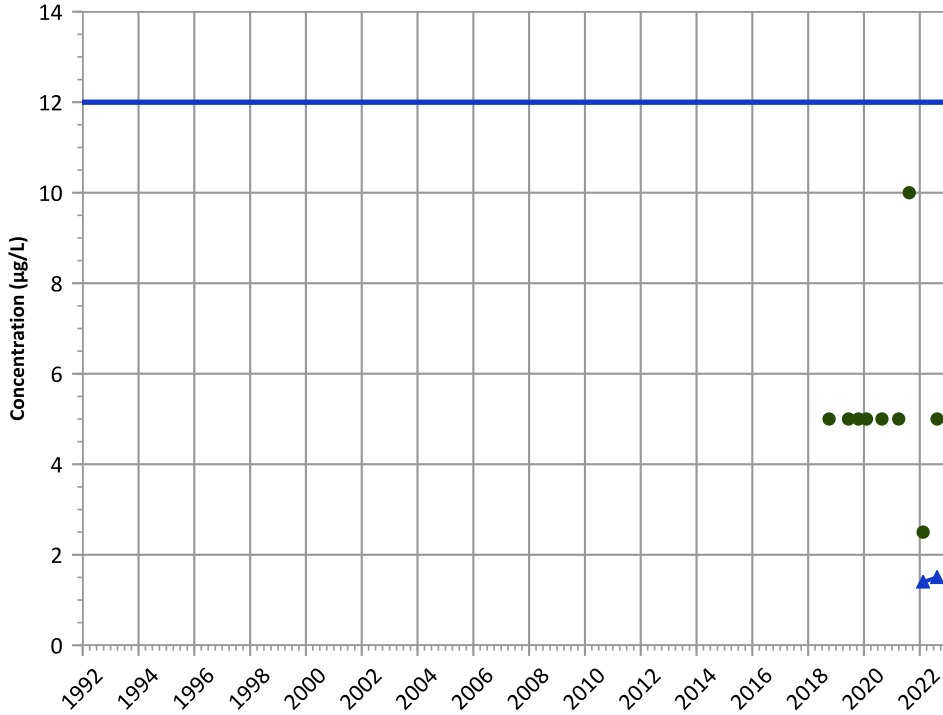


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend

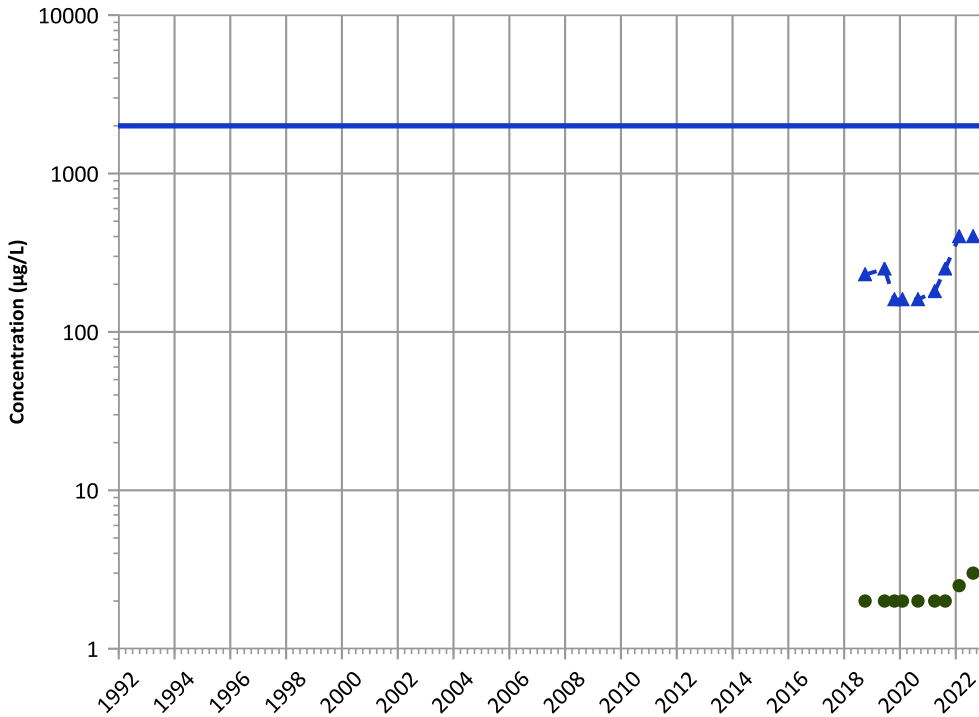


Concentration Trend

**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Barium Trend



Concentration Trend

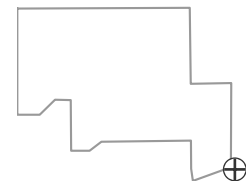
**MAROS Mann-Kendall Method**  
Data (7/2009 - 12/2022):  
Probably Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**  
Data (7/2009 - 12/2022):  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

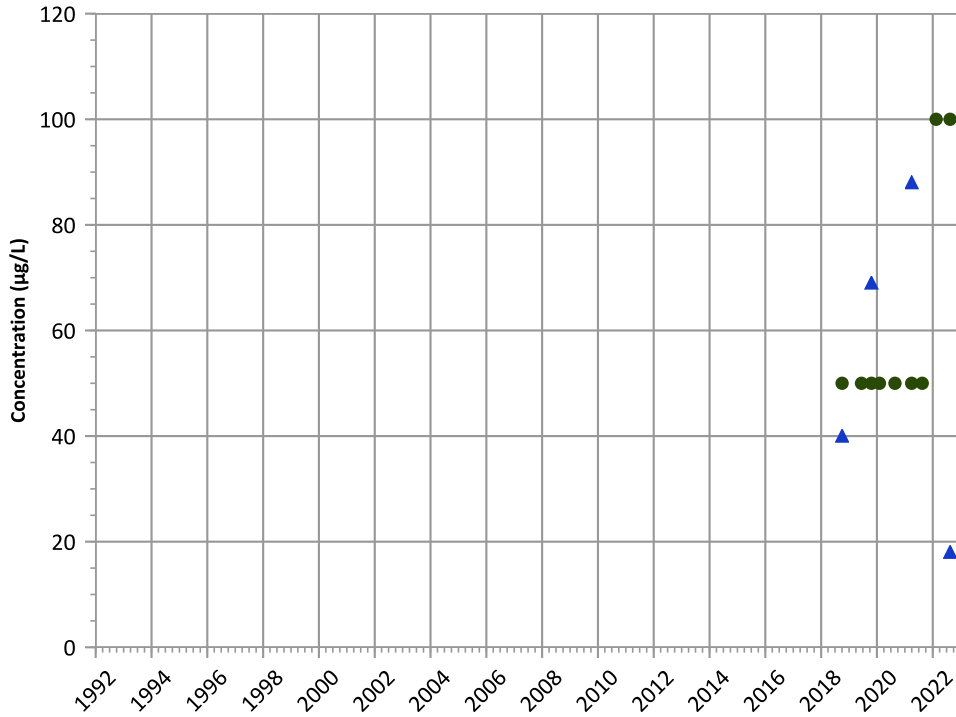
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1196 in Perched Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend

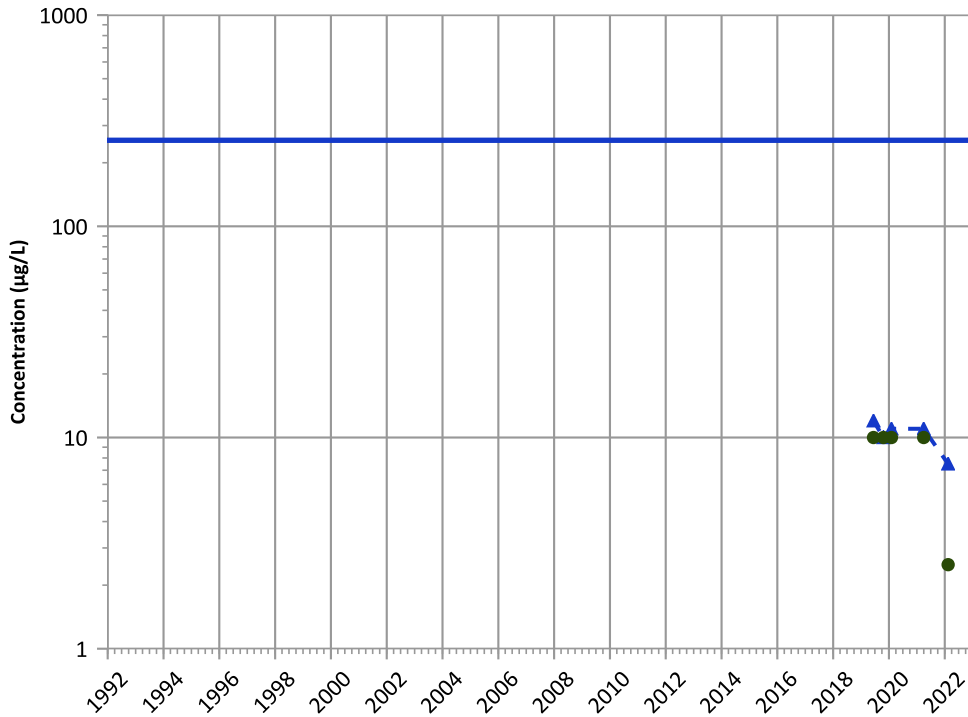


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

Vanadium Trend

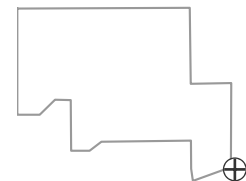


Concentration Trend

MAROS Mann-Kendall Method  
Data (7/2009 - 12/2022):  
Stable  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
Data (7/2009 - 12/2022):  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/20/2018 to 08/16/2022  
Analysis Date: 04/27/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



## Ogallala Aquifer Well Analyte Concentration Trends





Table with columns: Well, Easting, Northing, COC, First Date, Last Date, NumAD, NumAD\_A, AINAD\_A, CV\_AD, LS\_AD, Conf\_AD, Trend\_AD, NumD\_LAS, NumD\_LAS\_A, AINAD\_LAS, CV\_LAS, LS\_LAS, Conf\_LAS, Trend\_LAS, NumD\_SRR, NumD\_SRR\_A, AINAD\_SRR, CV\_SRR, LS\_SRR, Conf\_SRR, Trend\_SRR, NumD\_EYRP, NumD\_EYRP\_A, AINAD\_EYRP, CV\_EYRP, LS\_EYRP, Conf\_EYRP, Trend\_EYRP. Rows represent various monitoring wells and their data points over time.



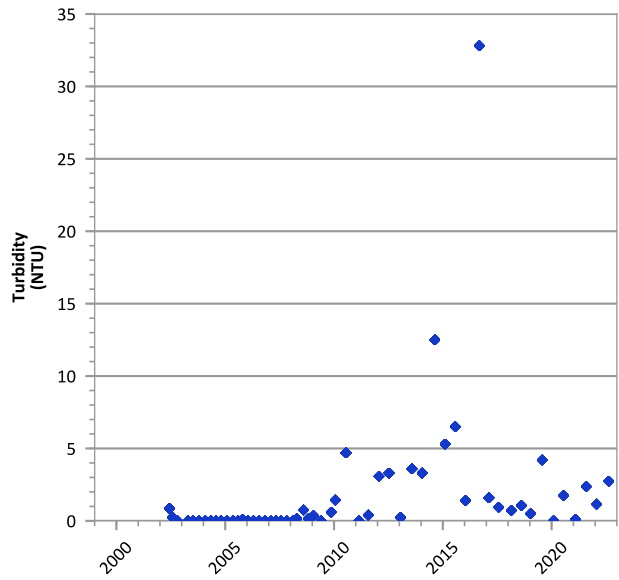
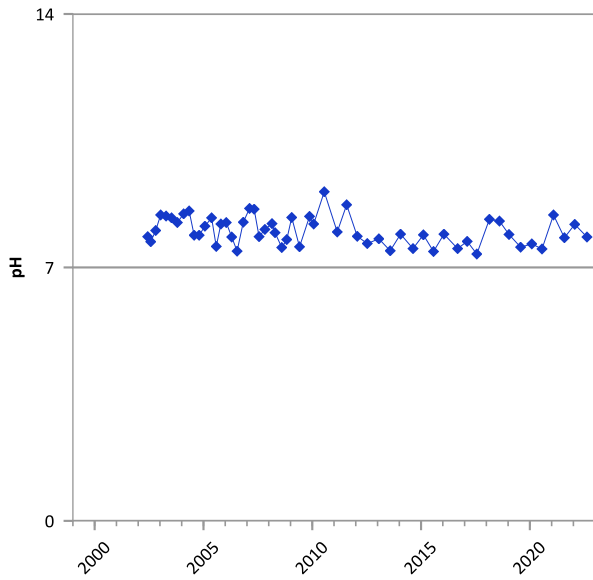
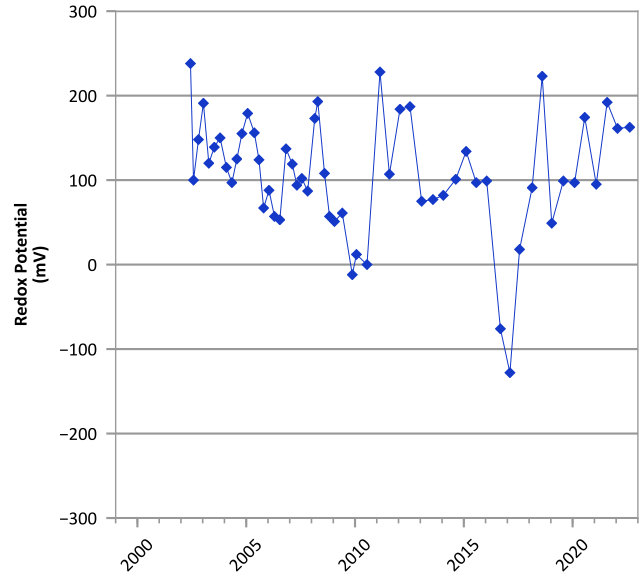
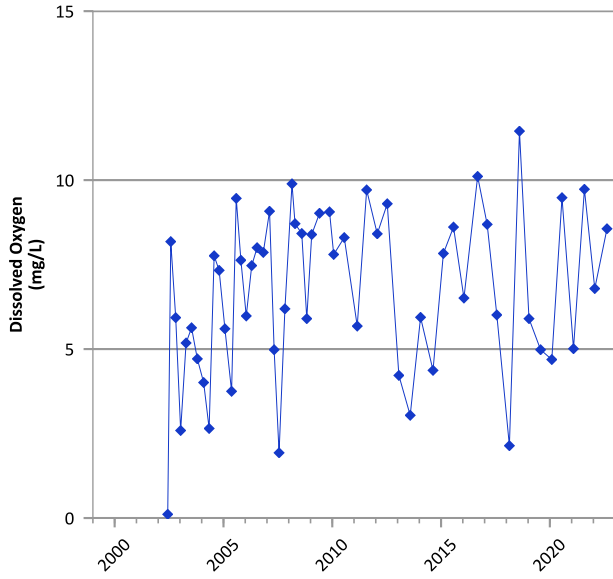


Table with columns: Well, Easting, Northing, COC, First Date, Last Date, NumAD, NumND AD, AIND AD, CV AD, LS AD, Conf AD, Trend AD, NumND LAS, NumND LAS, AIND LAS, CV LAS, LS LAS, Conf LAS, Trend LAS, NumD SSRA, NumND SSRA, AIND SSRA, CV SSRA, LS SSRA, Conf SSRA, Trend SSRA, NumD EYRP, NumND EYRP, AIND EYRP, CV EYRP, LS EYRP, Conf EYRP, Trend EYRP. The table contains a large number of rows, each representing a monitoring well with various data points and trends.

Table with columns: Well, Easting, Northing, COC, First Date, Last Date, Num AD, Num ND, AIND AD, CV AD, Ls AD, Conf AD, Trend AD, Num LAS, Num ND LAS, AIND LAS, CV LAS, Ls LAS, Conf LAS, Trend LAS, Num SSRA, Num ND SSRA, AIND SSRA, CV SSRA, Ls SSRA, Conf SSRA, Trend SSRA, Numd EYRP, Num ND EYRP, AIND EYRP, CV EYRP, Ls EYRP, Conf EYRP, Trend EYRP. Contains monitoring data for wells P1X06-1137A through P1X06-1143.

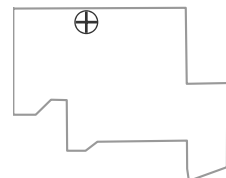


**PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/26/2000 to 08/17/2022  
 Analysis Date: 04/11/2023

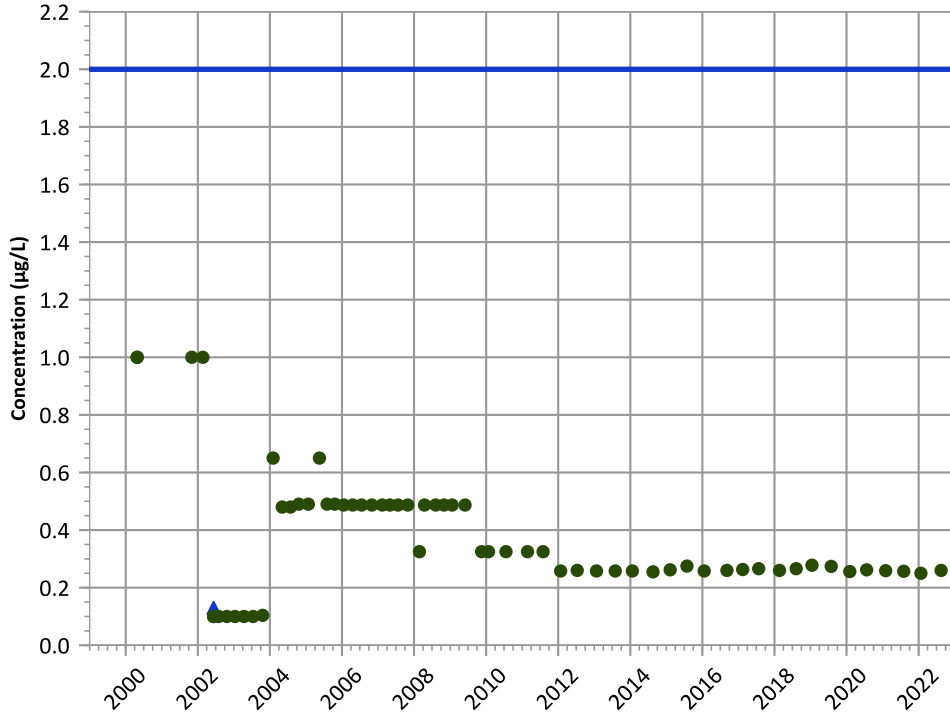
**Well Location**





PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

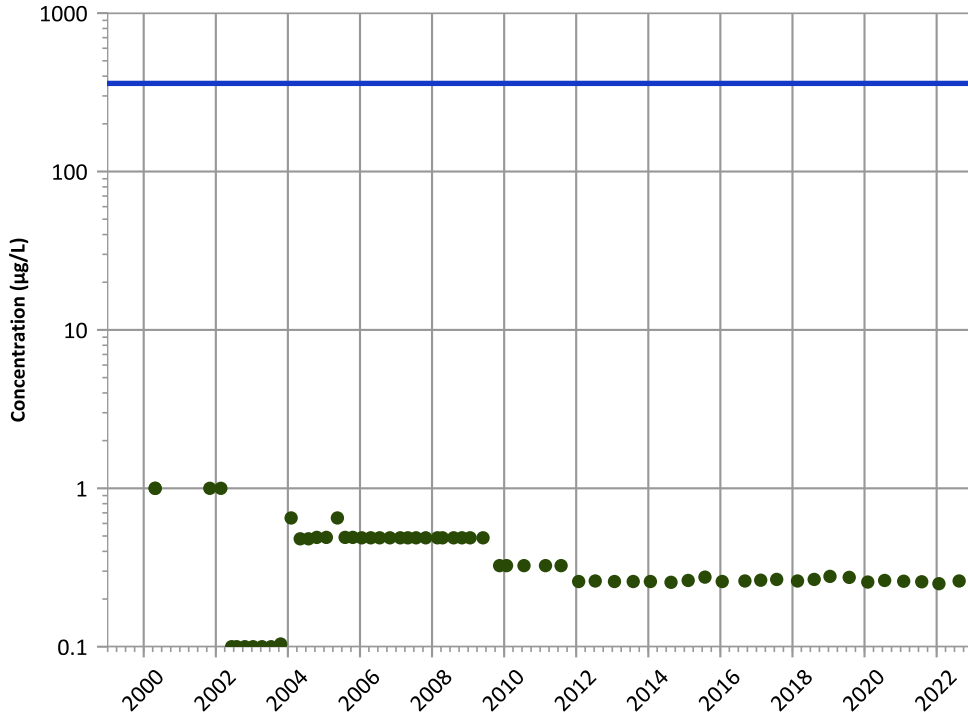
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

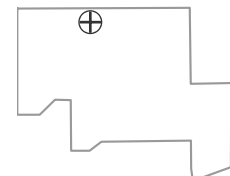
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

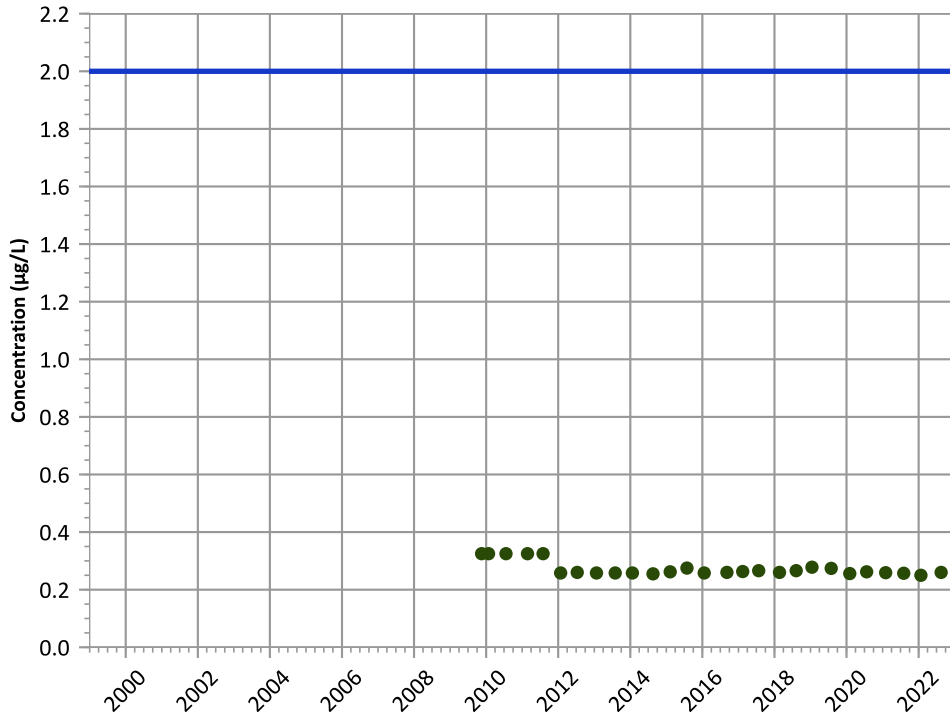
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

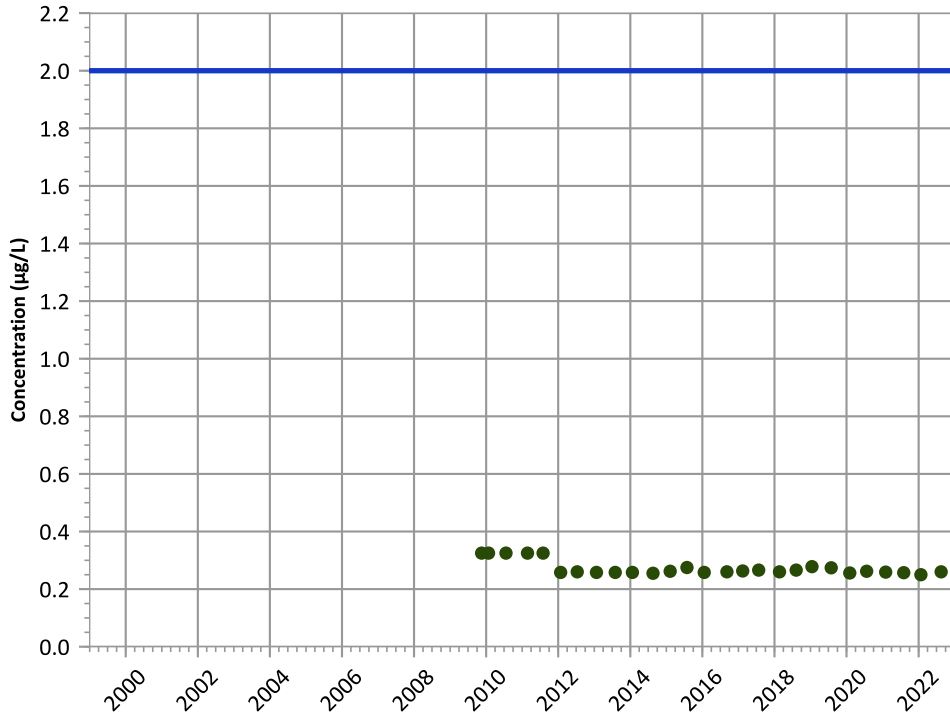
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

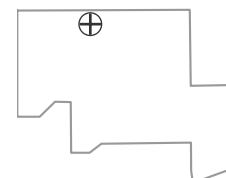
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

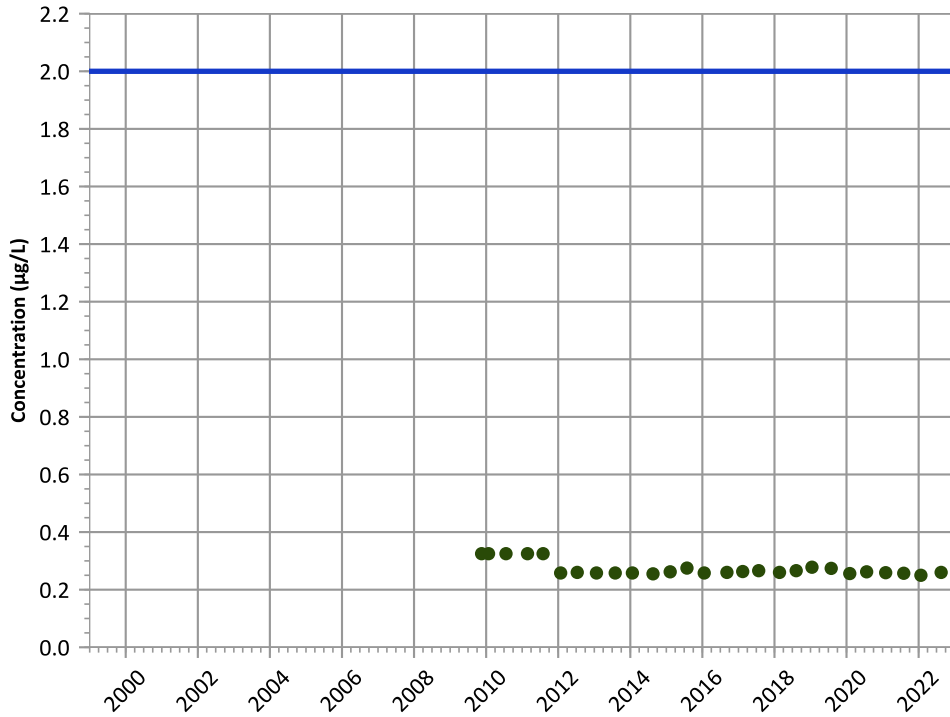
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

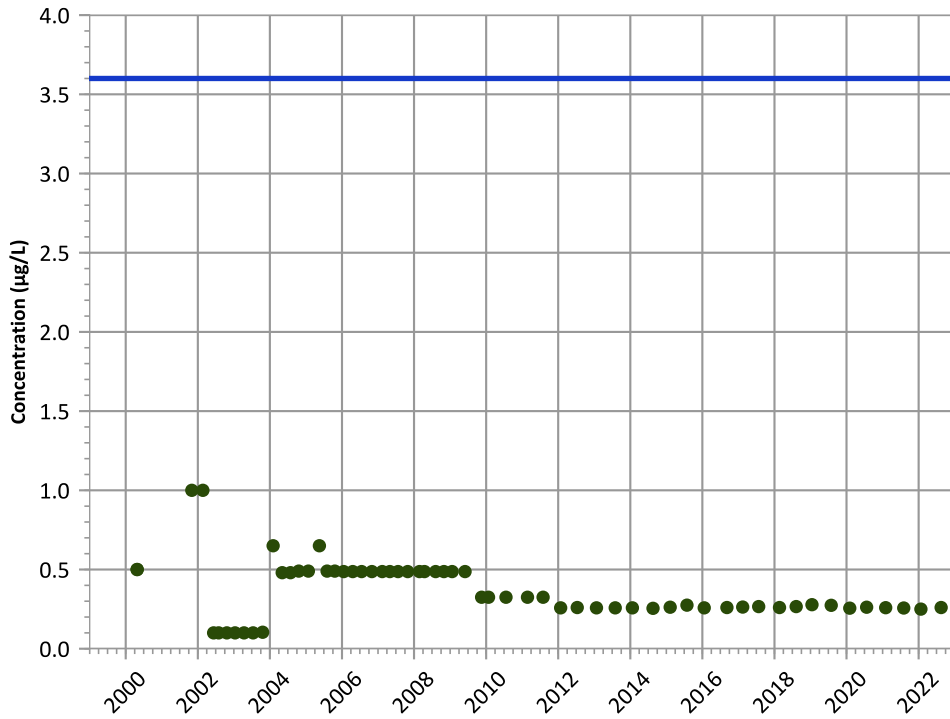
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**TNT (2,4,6-Trinitrotoluene) Trend**



**Concentration Trend**

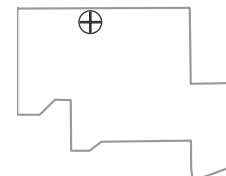
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

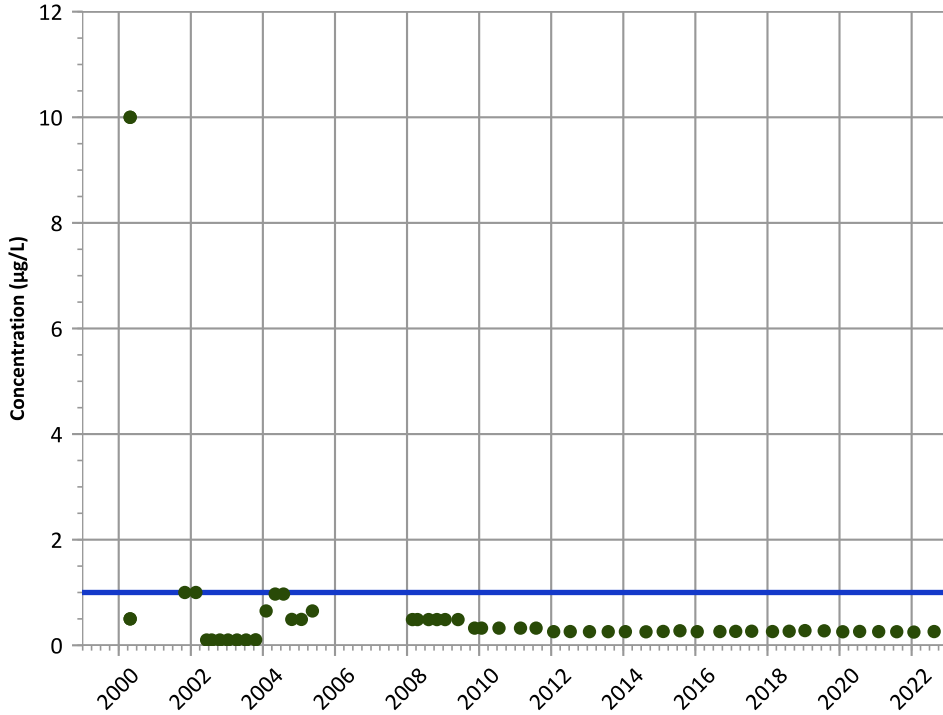
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

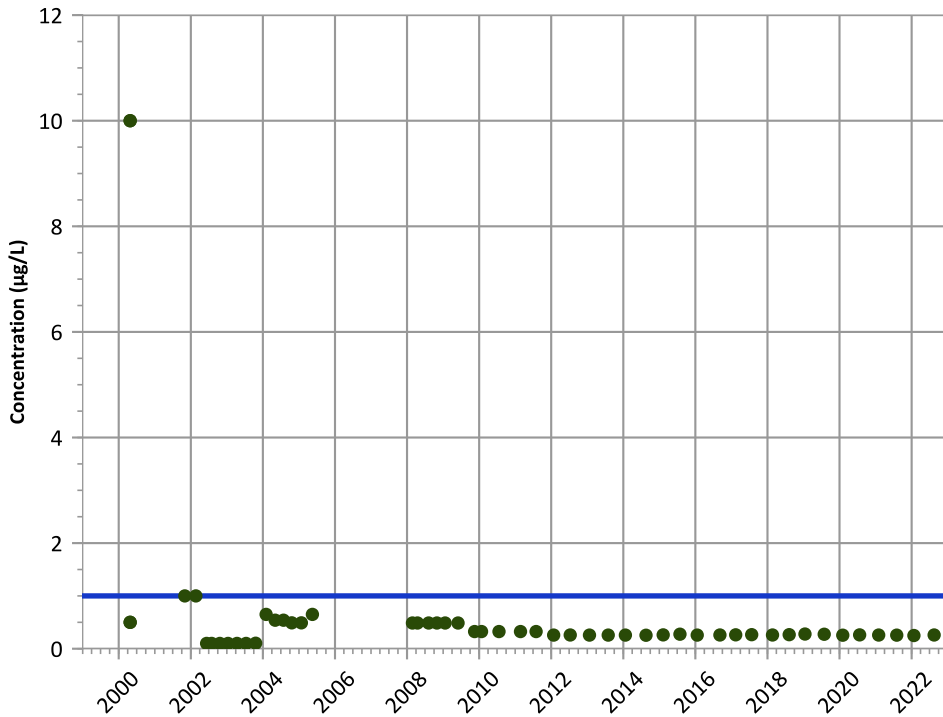
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

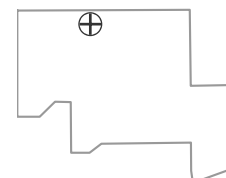
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

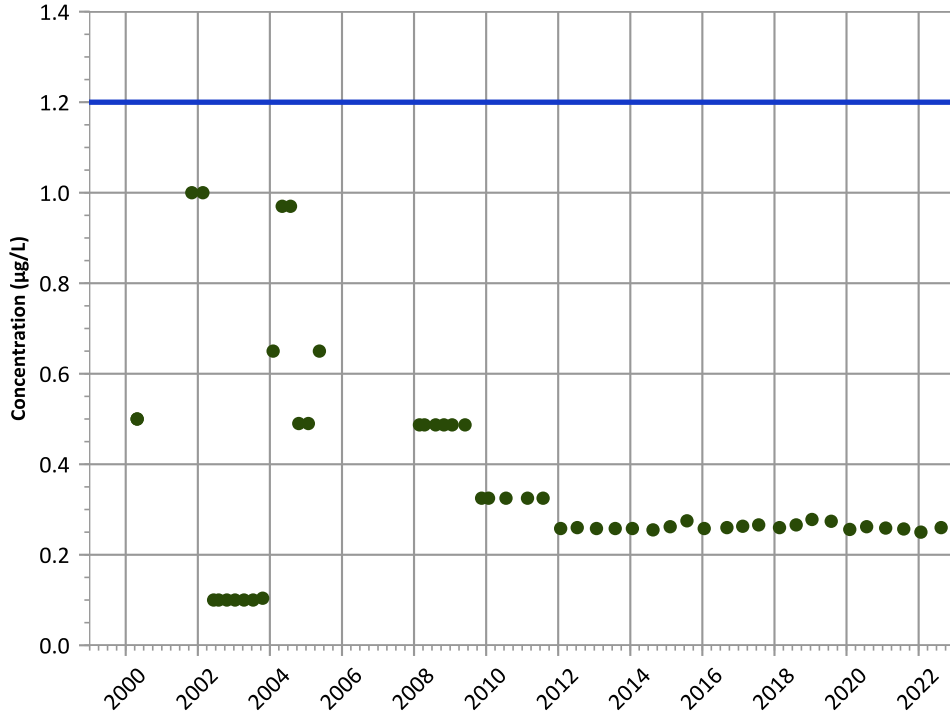
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

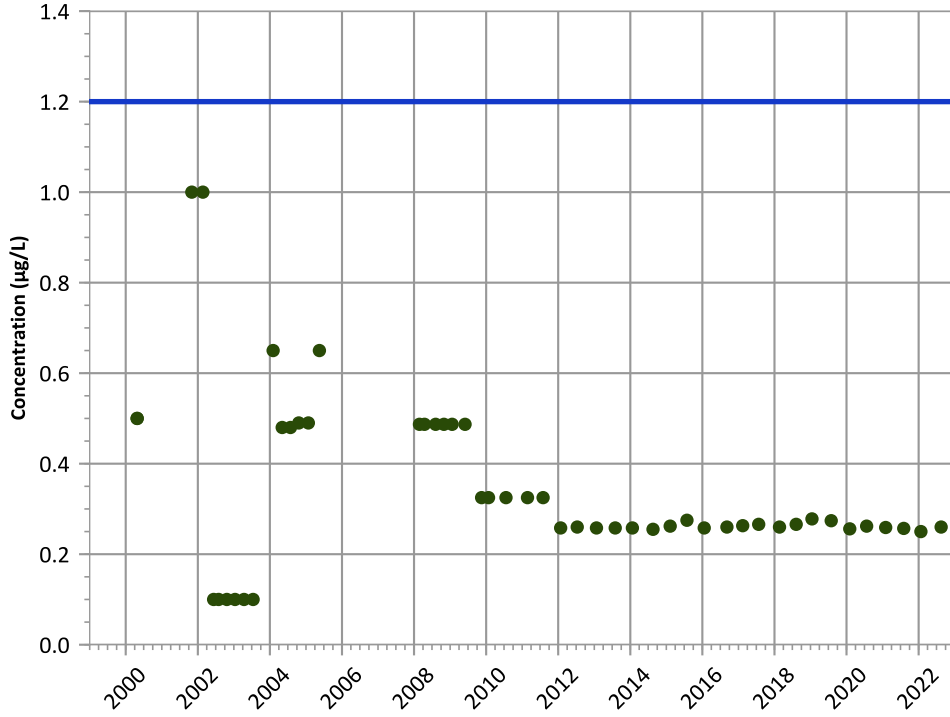
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

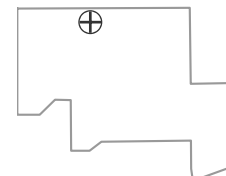
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

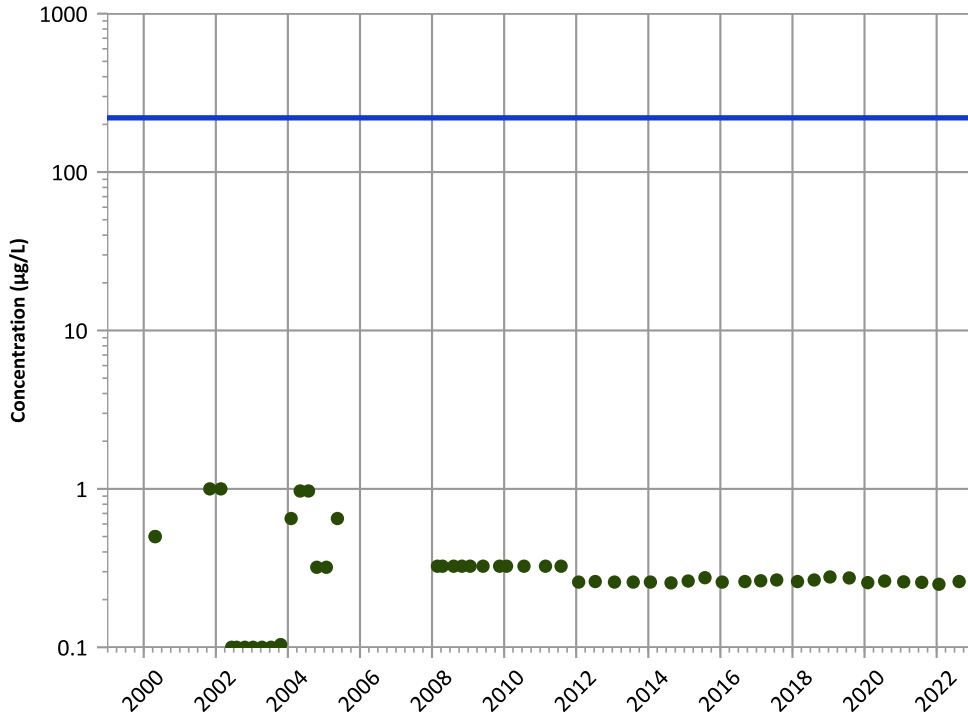
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

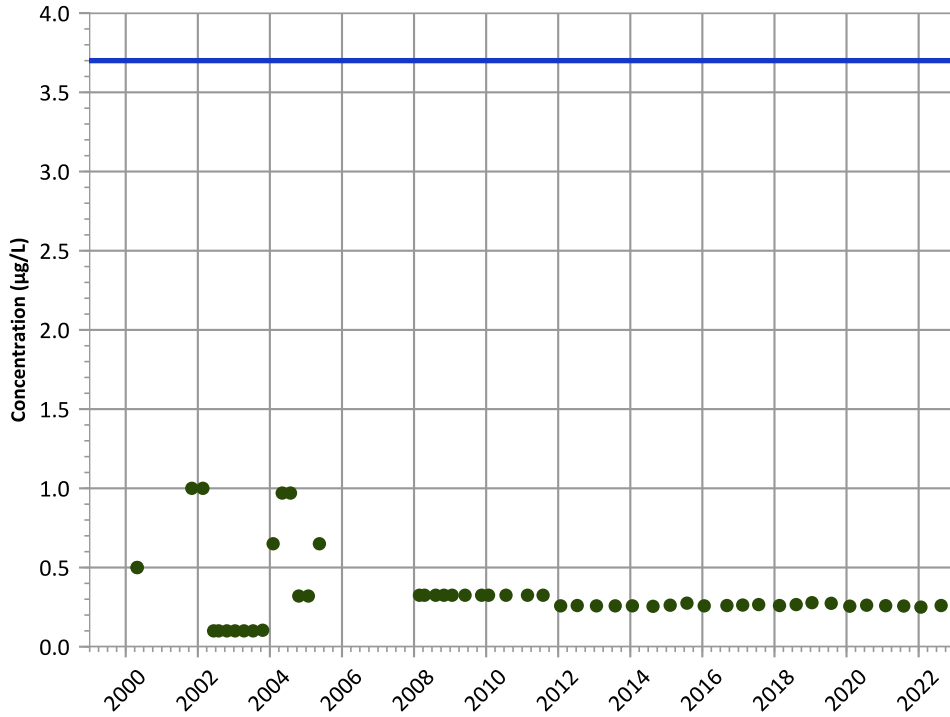
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

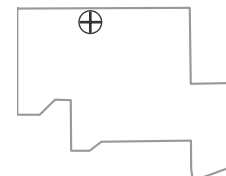
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

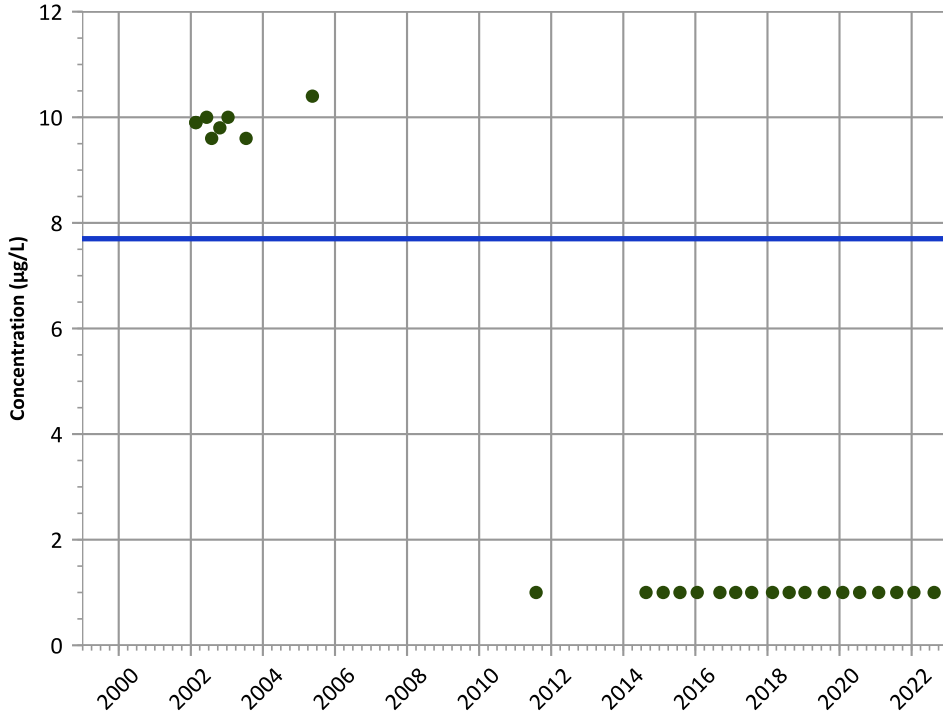


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

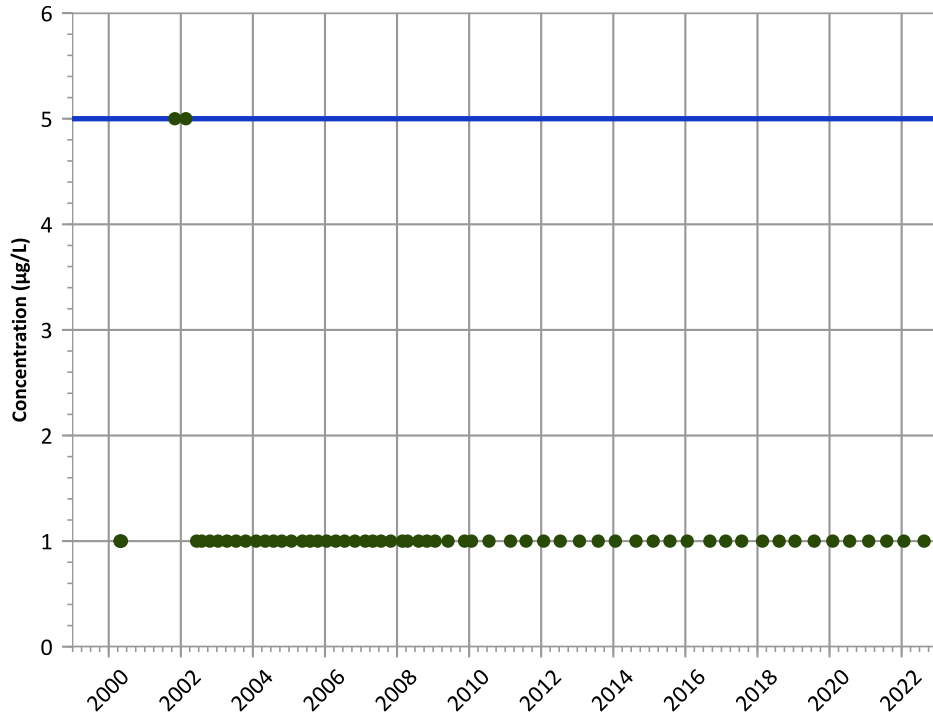
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

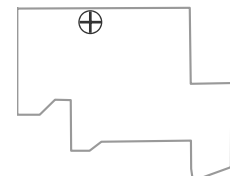
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

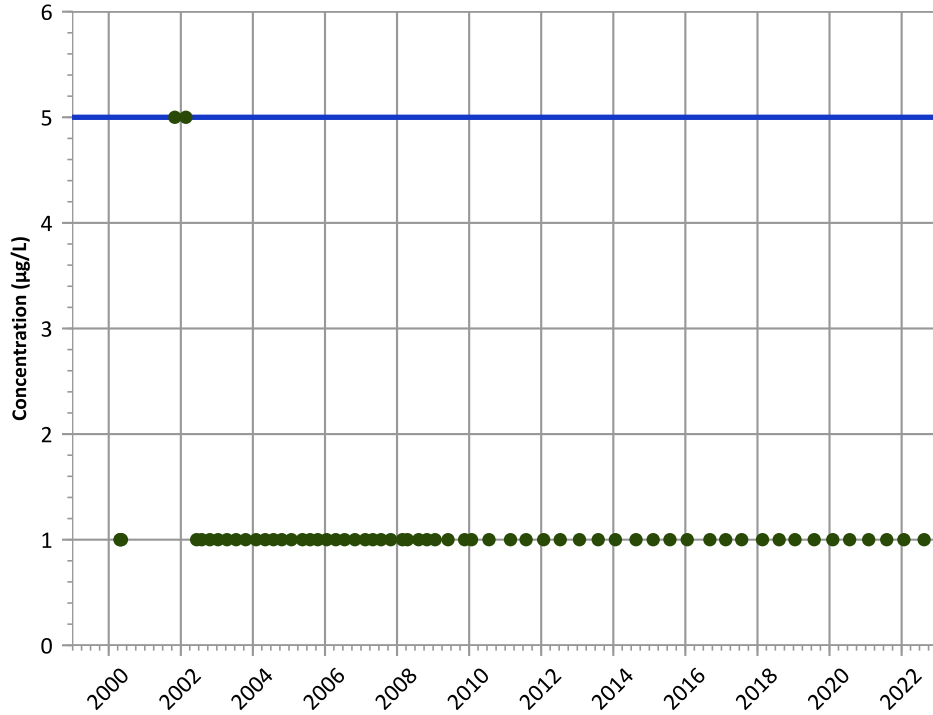


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

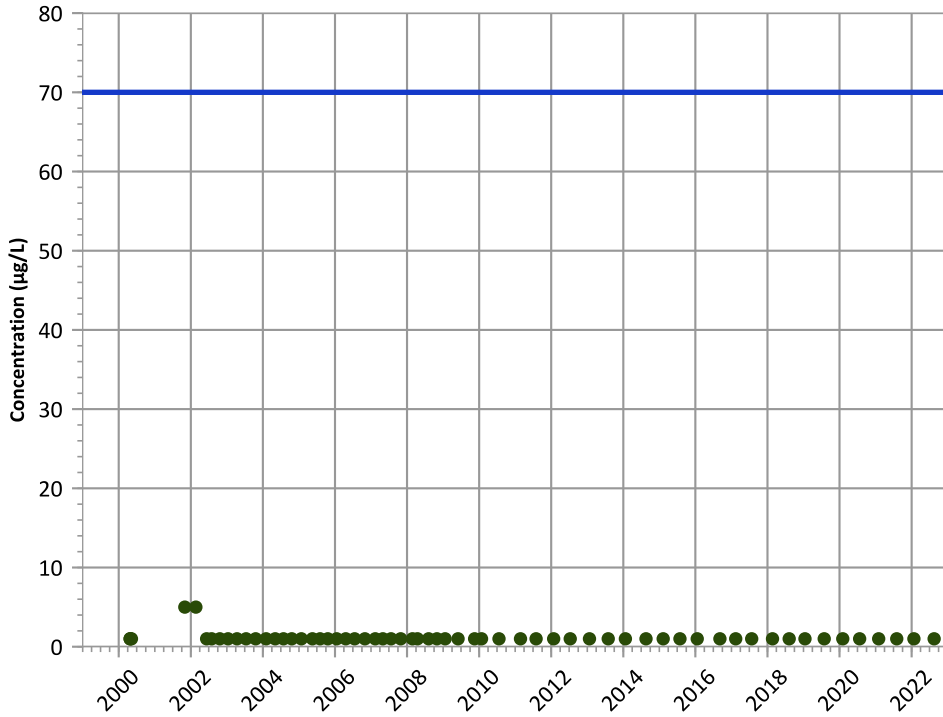
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

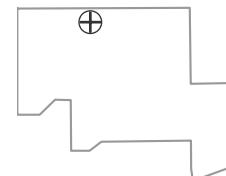
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

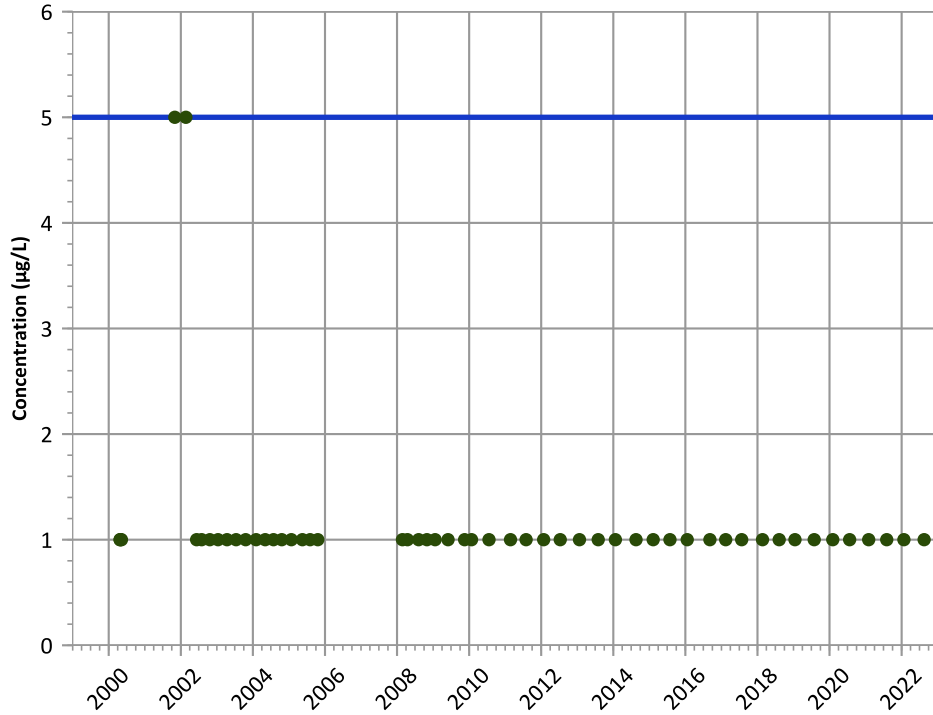
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

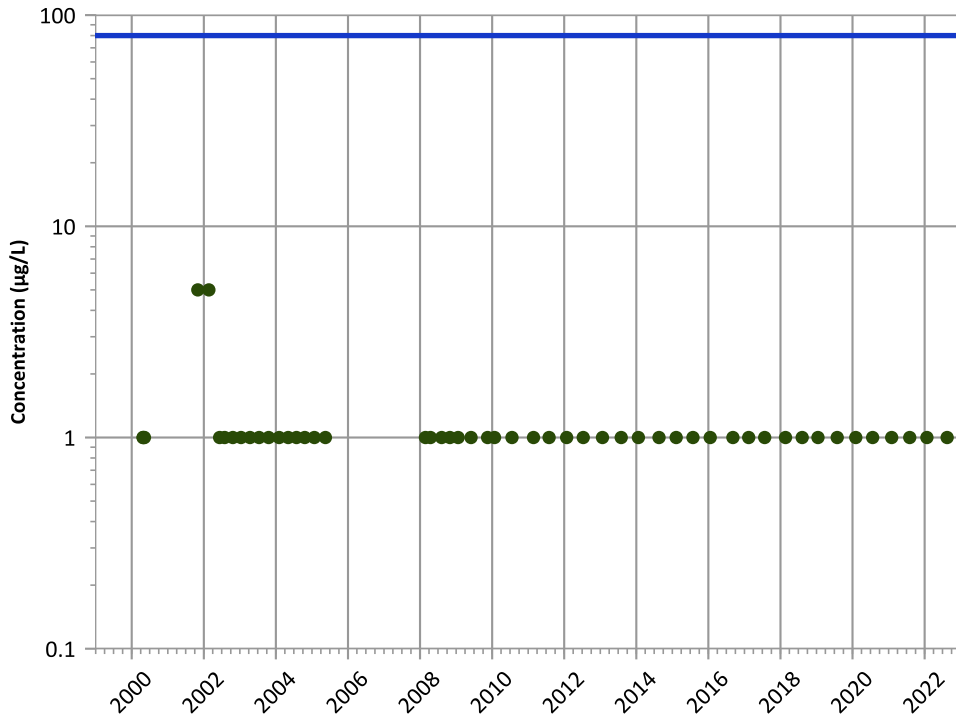
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

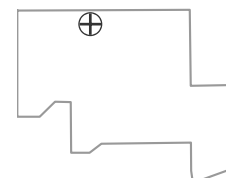
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

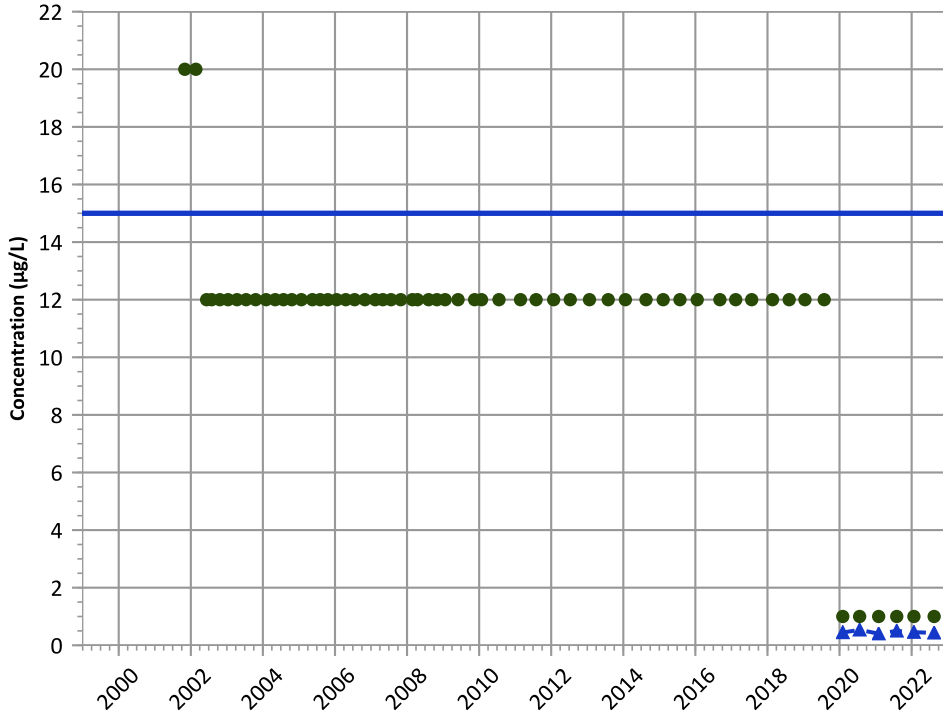


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

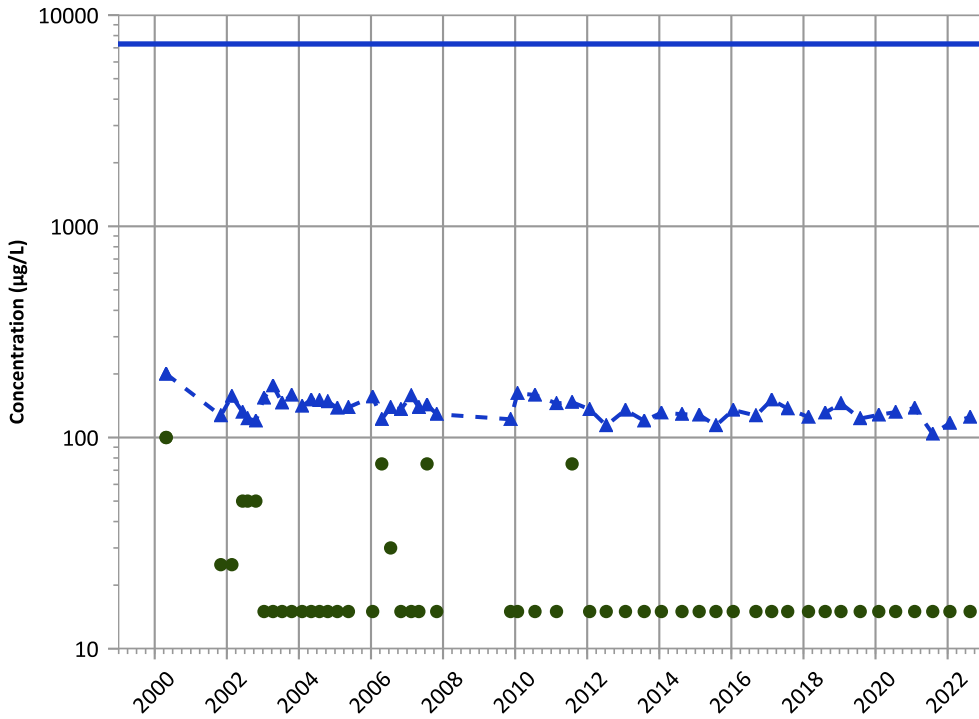
MAROS Linear Regression Method

All Data: Stable

2020 - 2022 Data: No Trend

No Trend

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

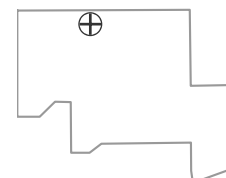
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

Well Location

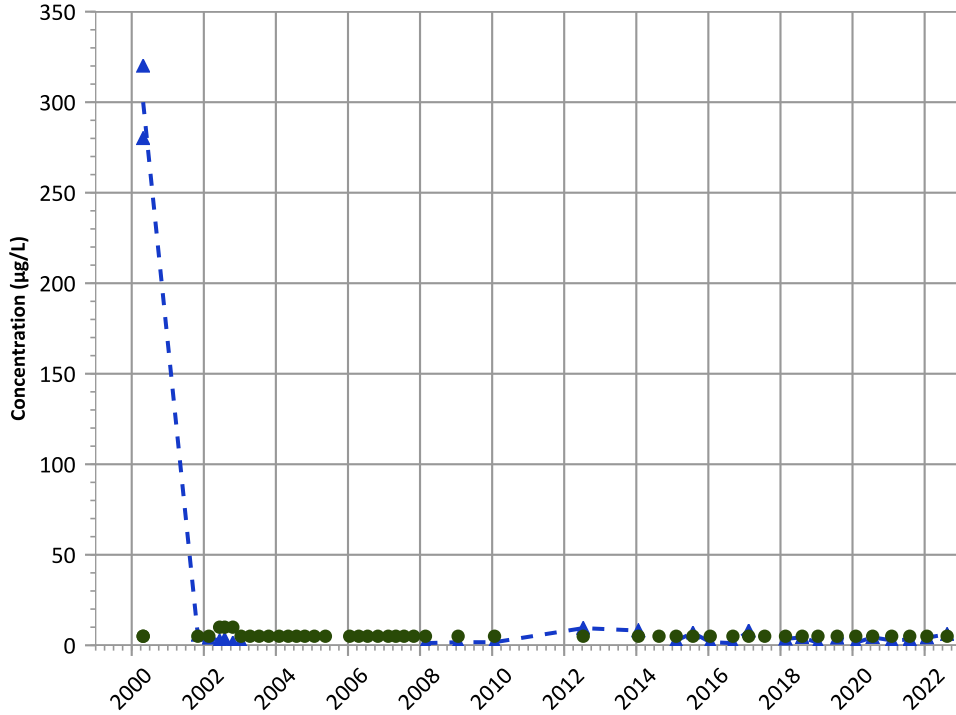


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

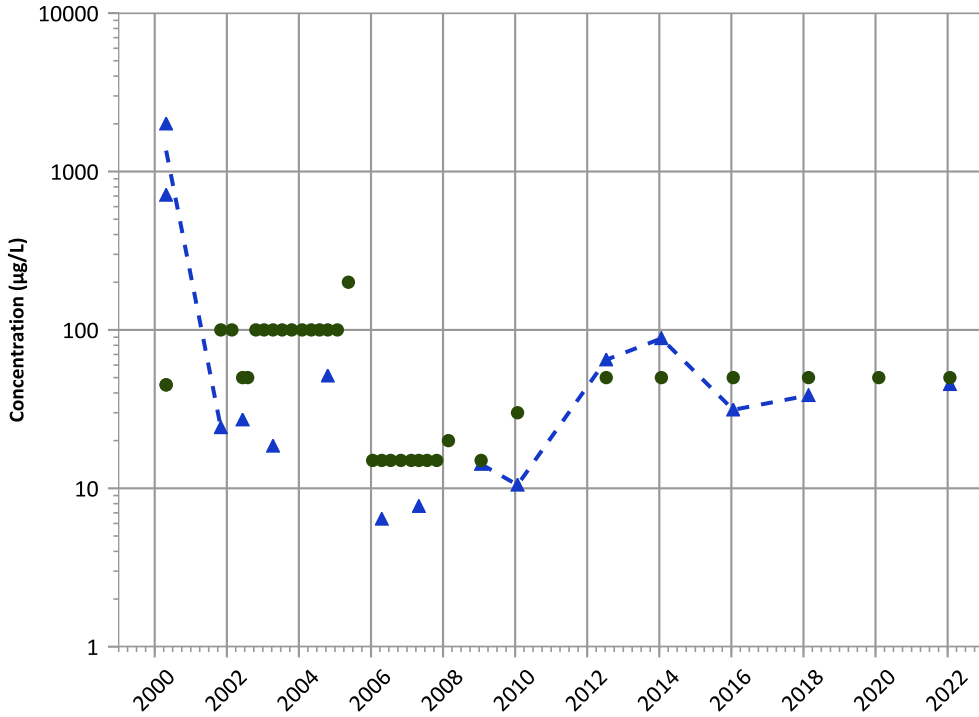
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Probably Increasing

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

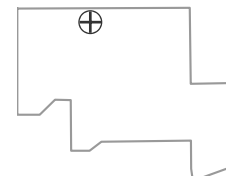
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

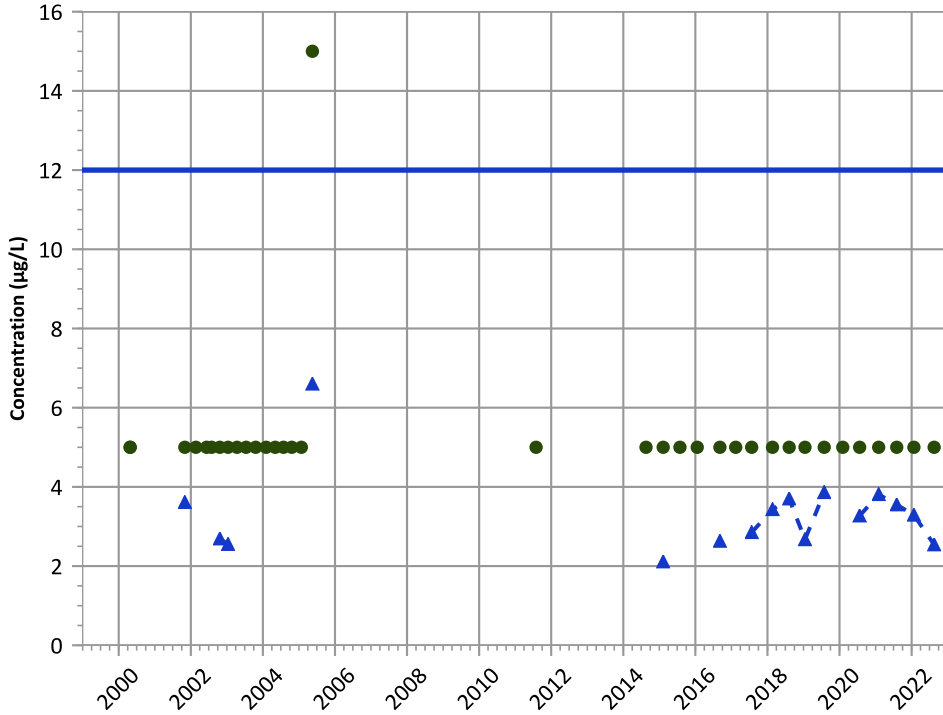
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

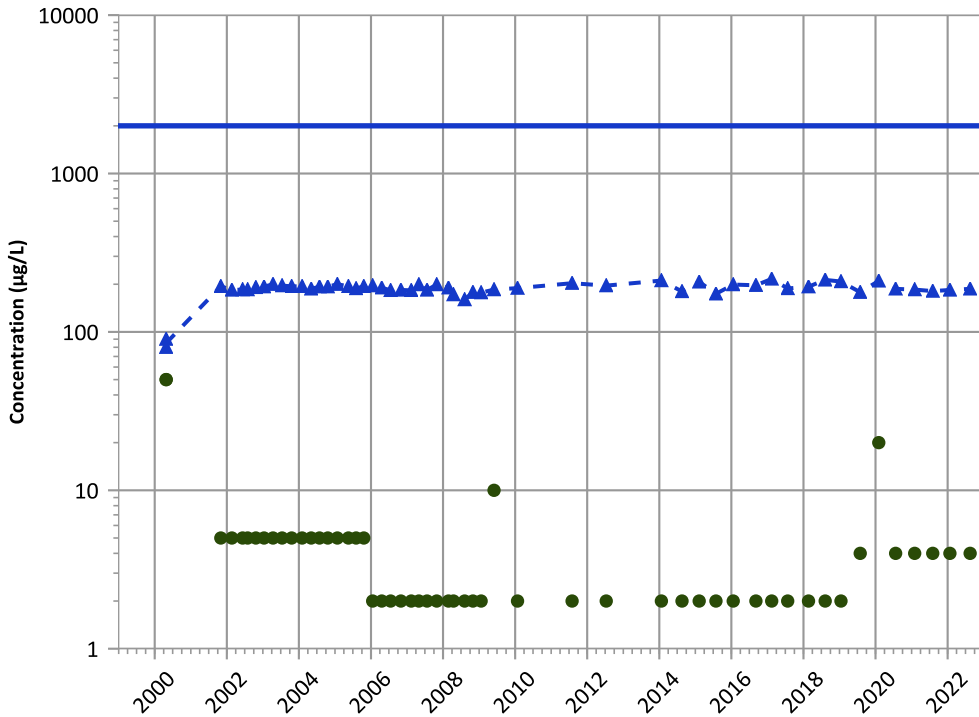
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

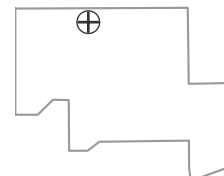
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

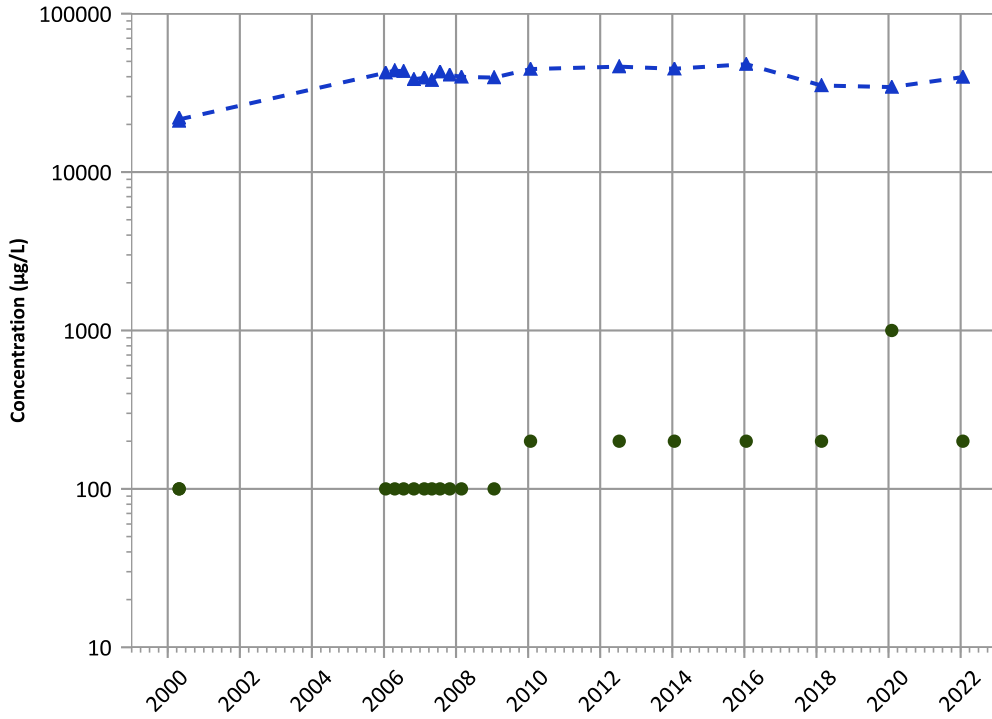
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

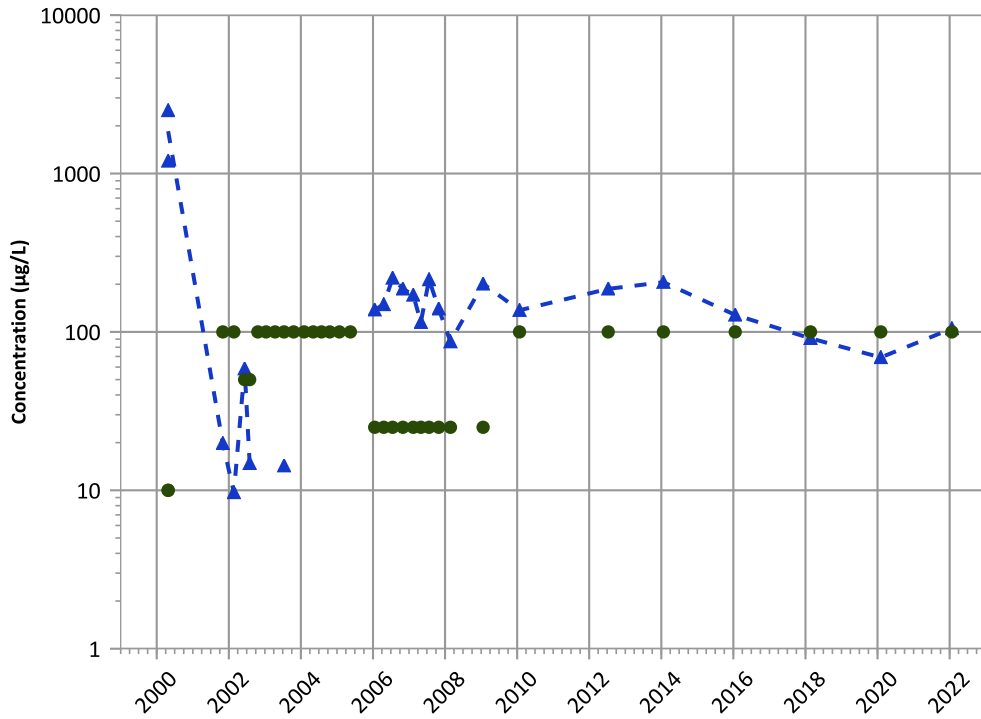
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Probably Decreasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

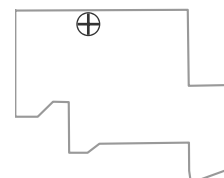
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

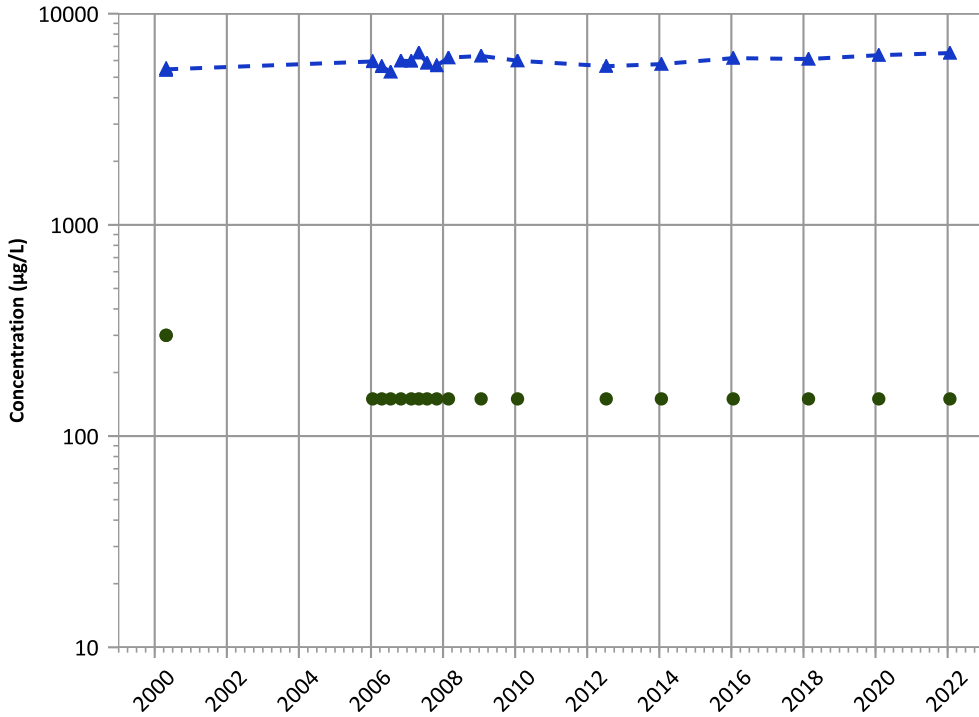
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

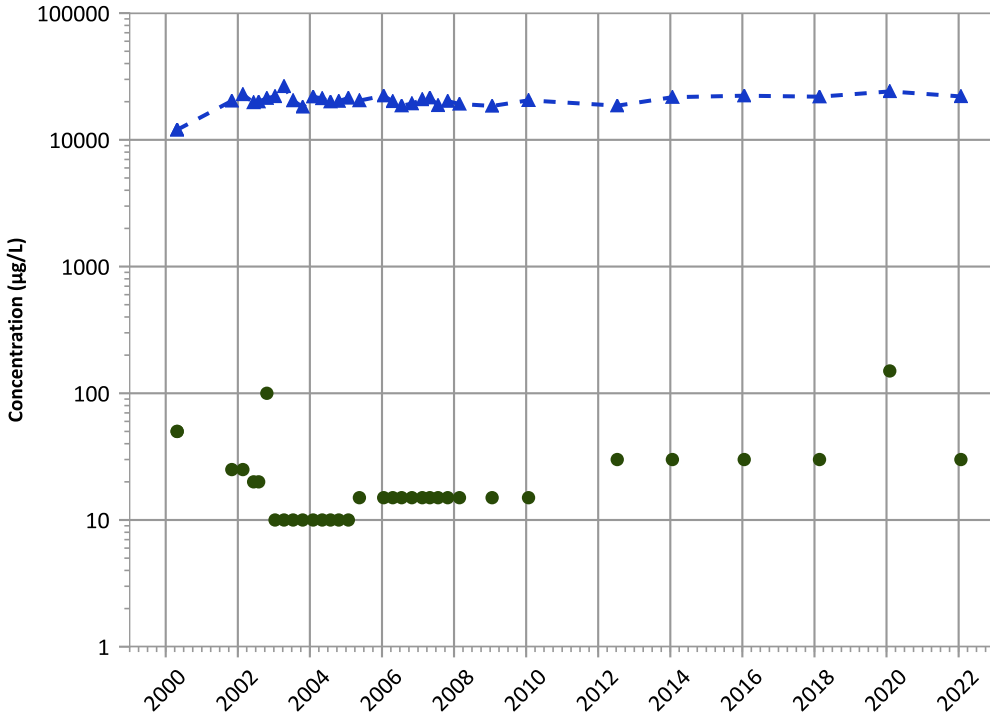
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

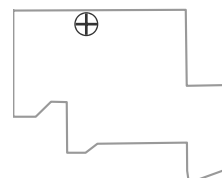
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

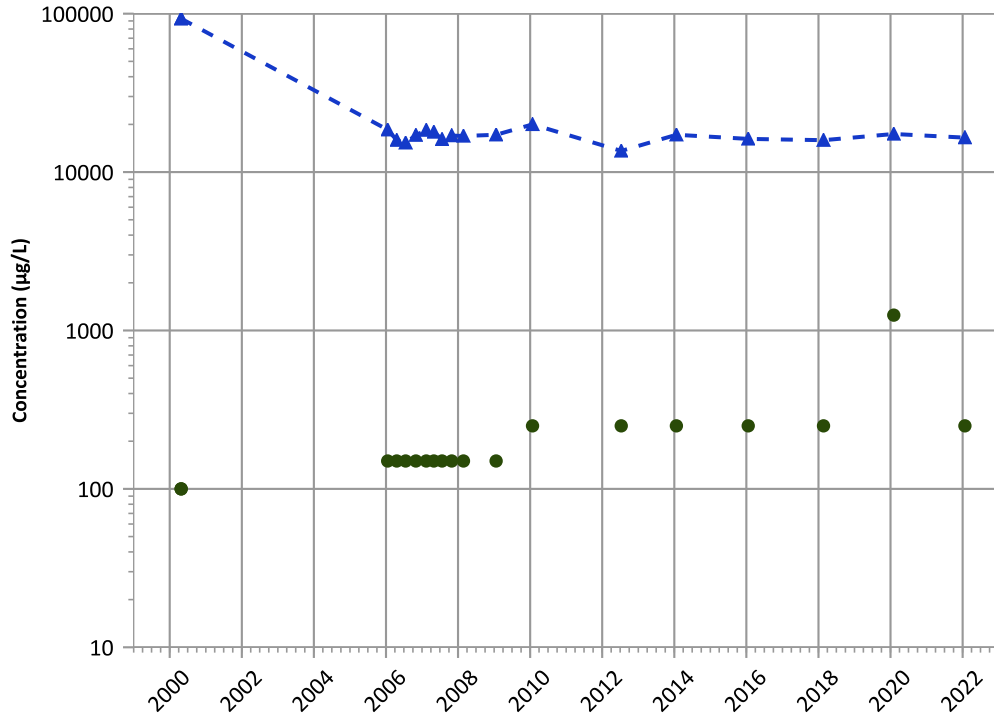
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1010 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Sodium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: No Trend

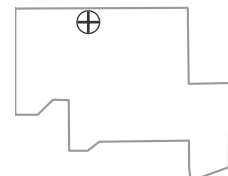
**MAROS Linear Regression Method**

All Data: Decreasing  
2020 - 2022 Data: No Trend

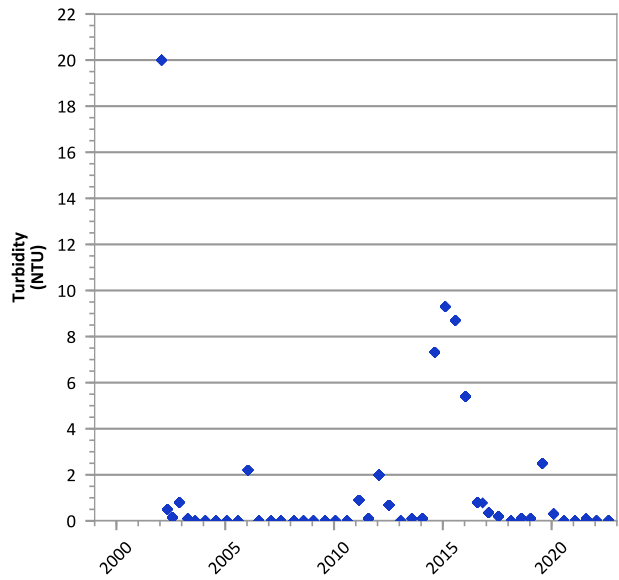
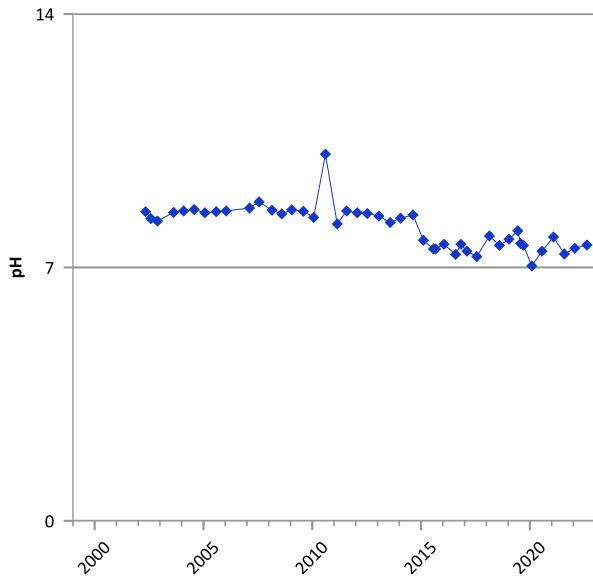
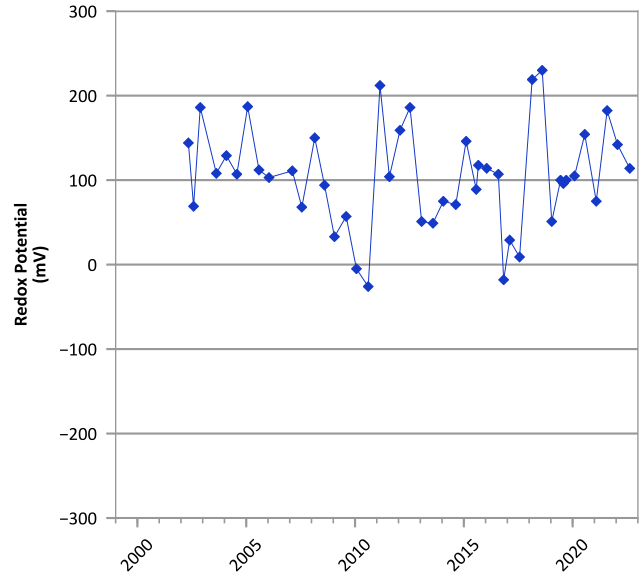
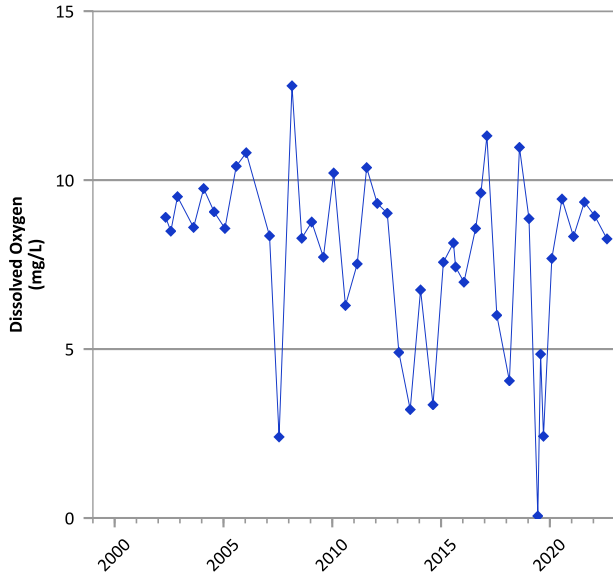
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/26/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

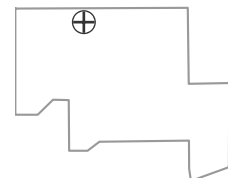


**PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 01/28/2002 to 08/17/2022  
 Analysis Date: 04/11/2023

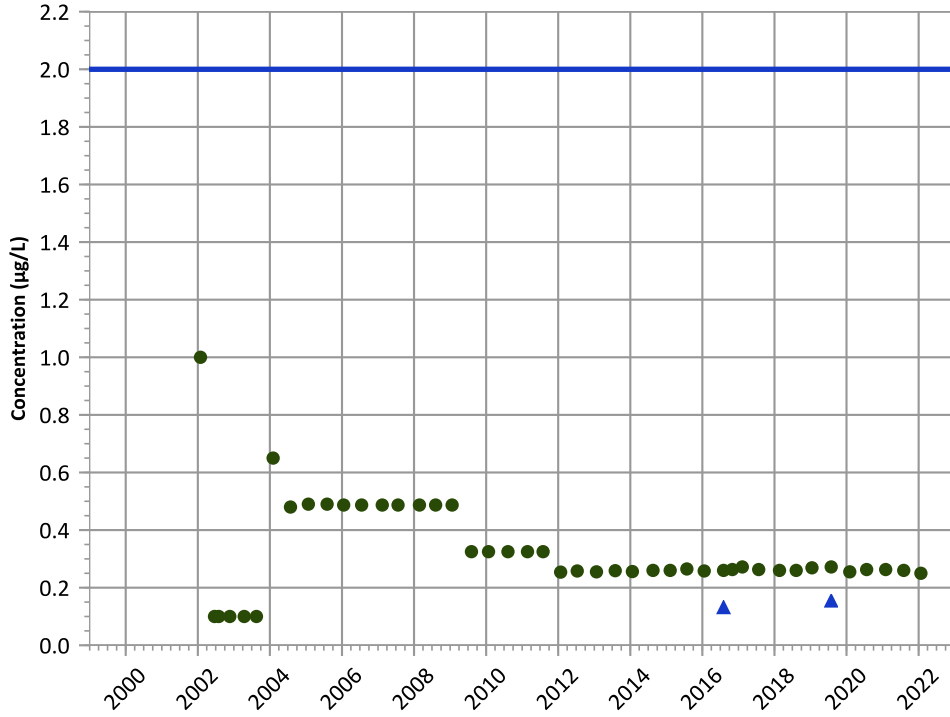
**Well Location**





PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

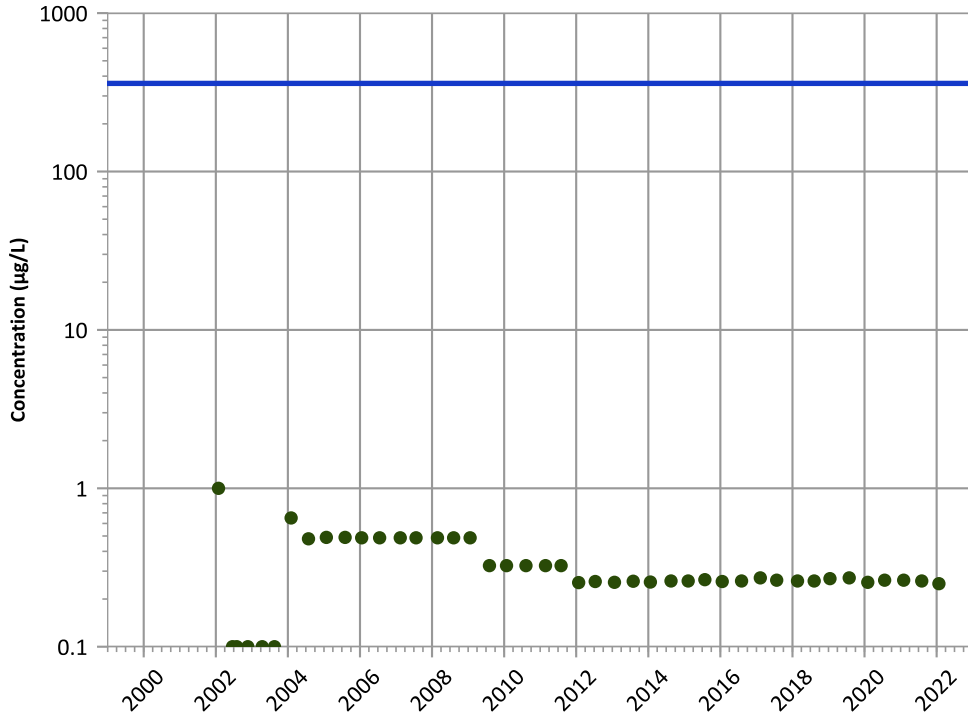
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

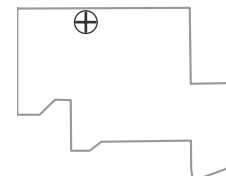
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

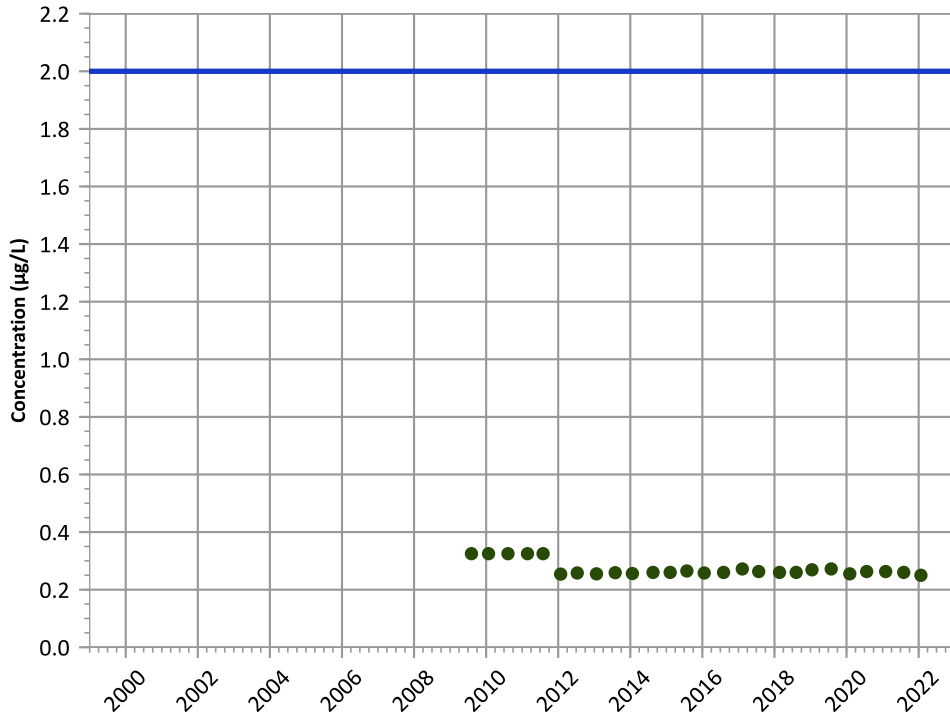
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

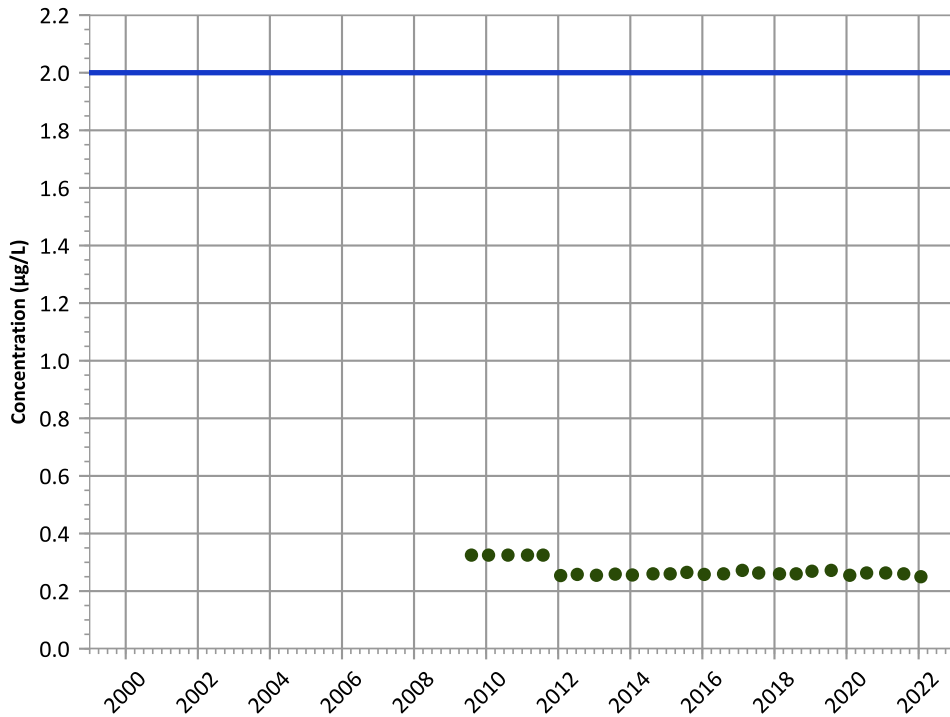
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

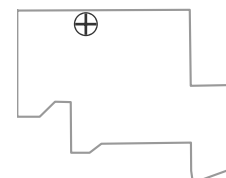
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

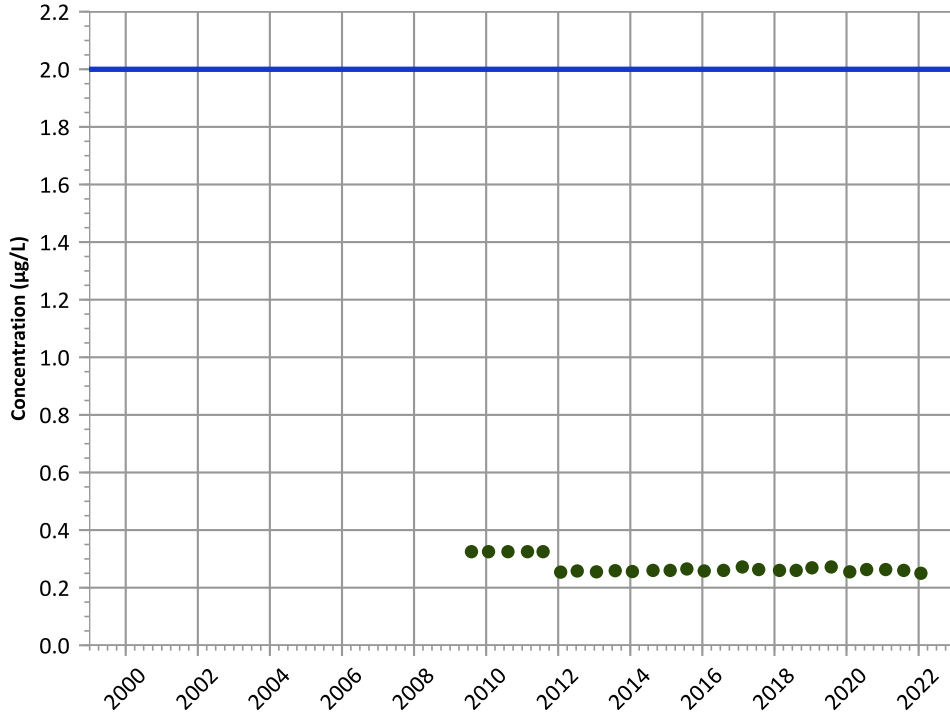
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

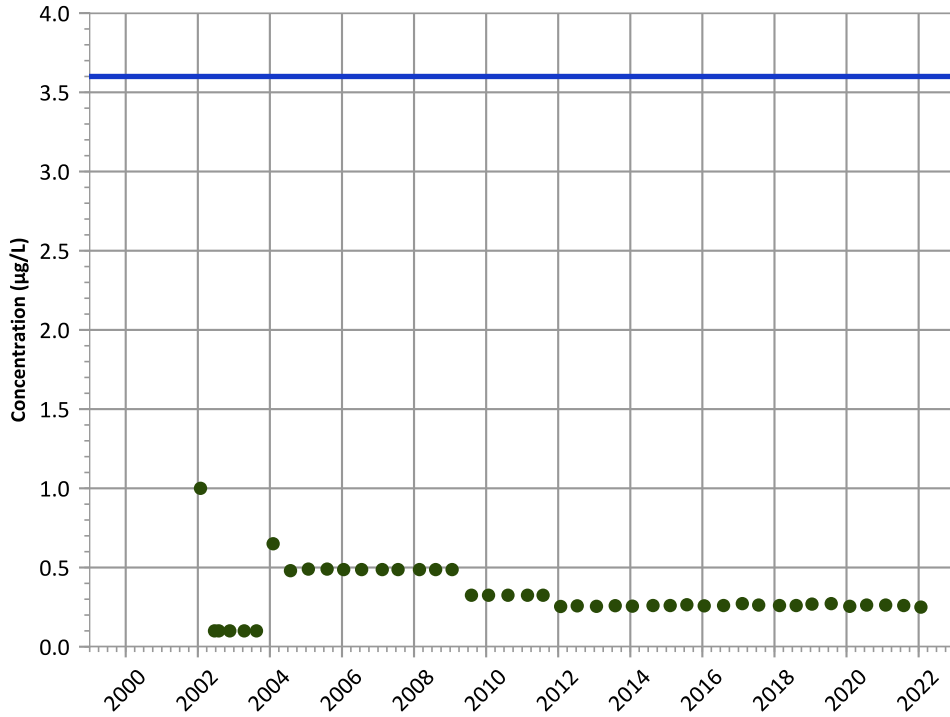
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

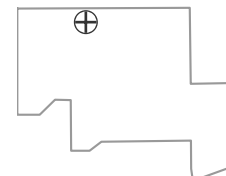
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

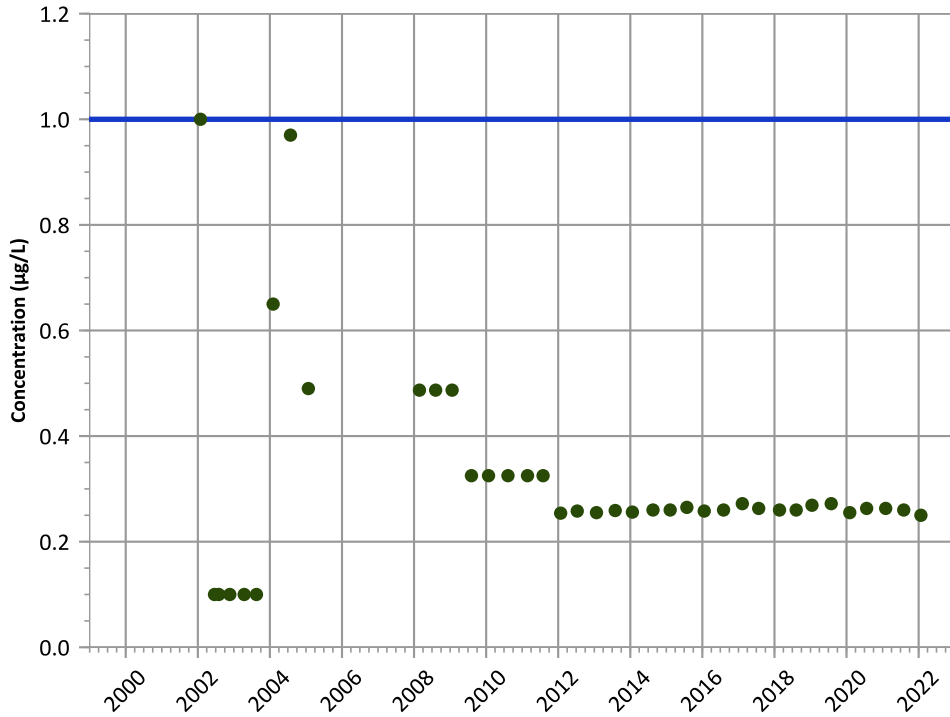
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

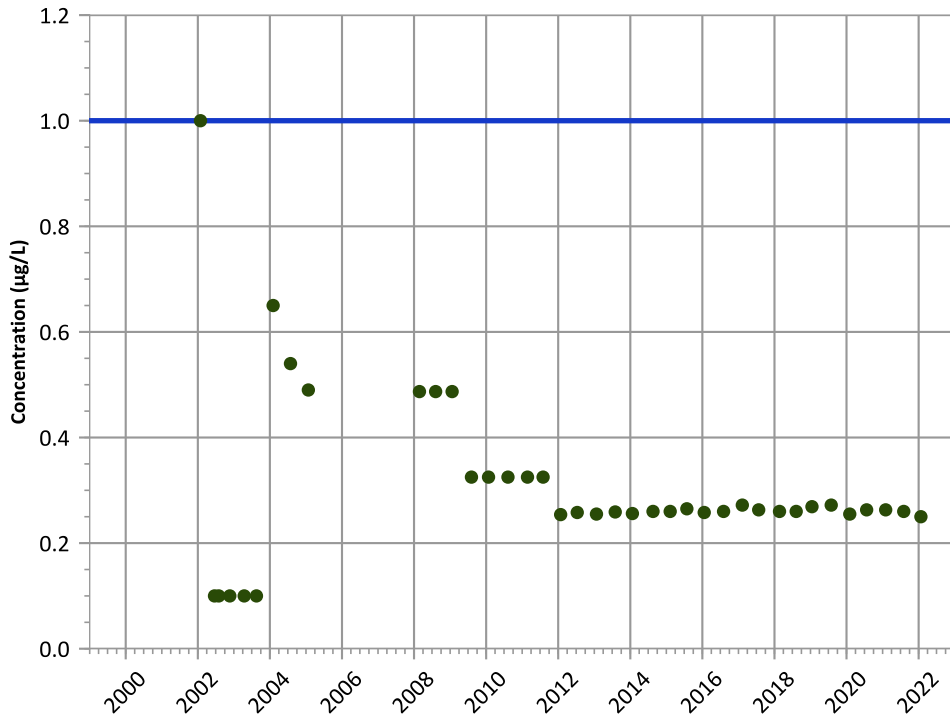
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

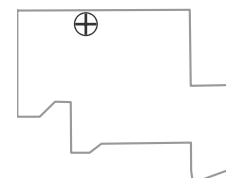
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

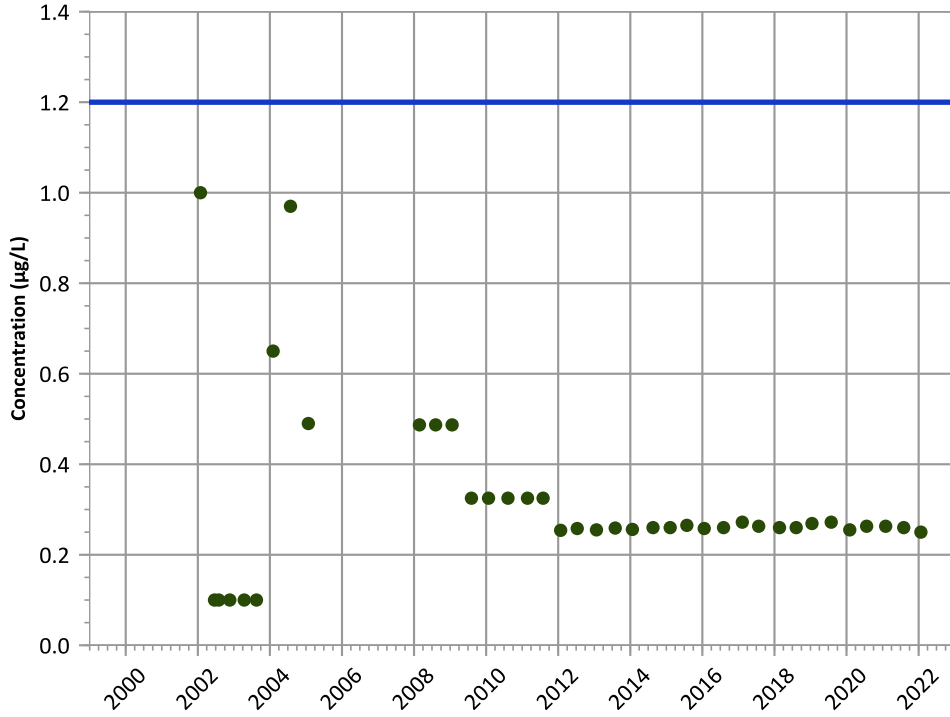
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

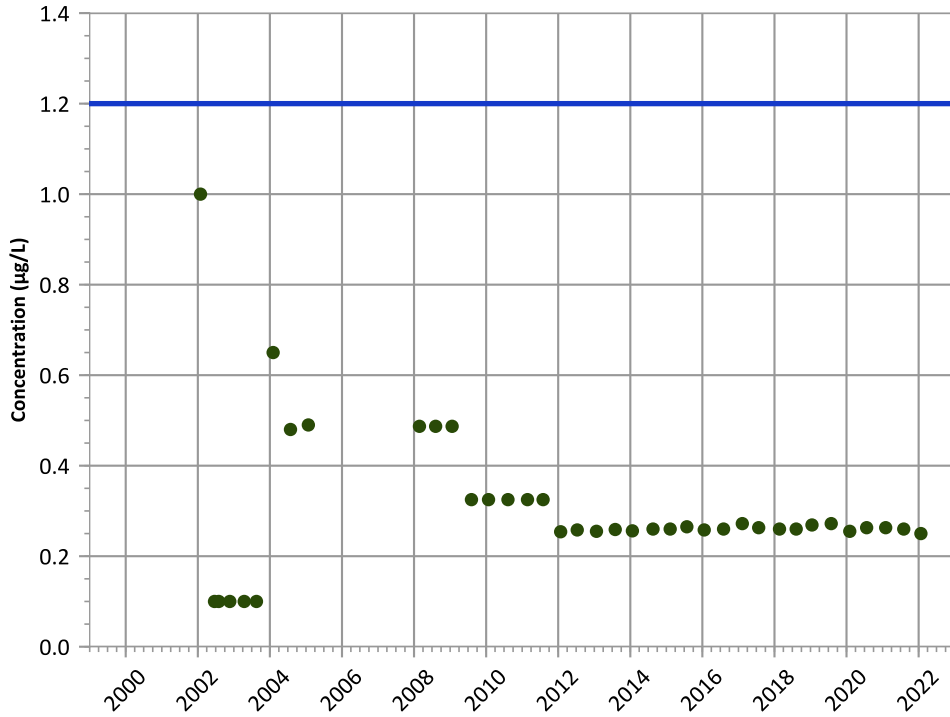
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

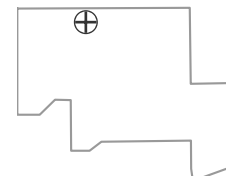
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

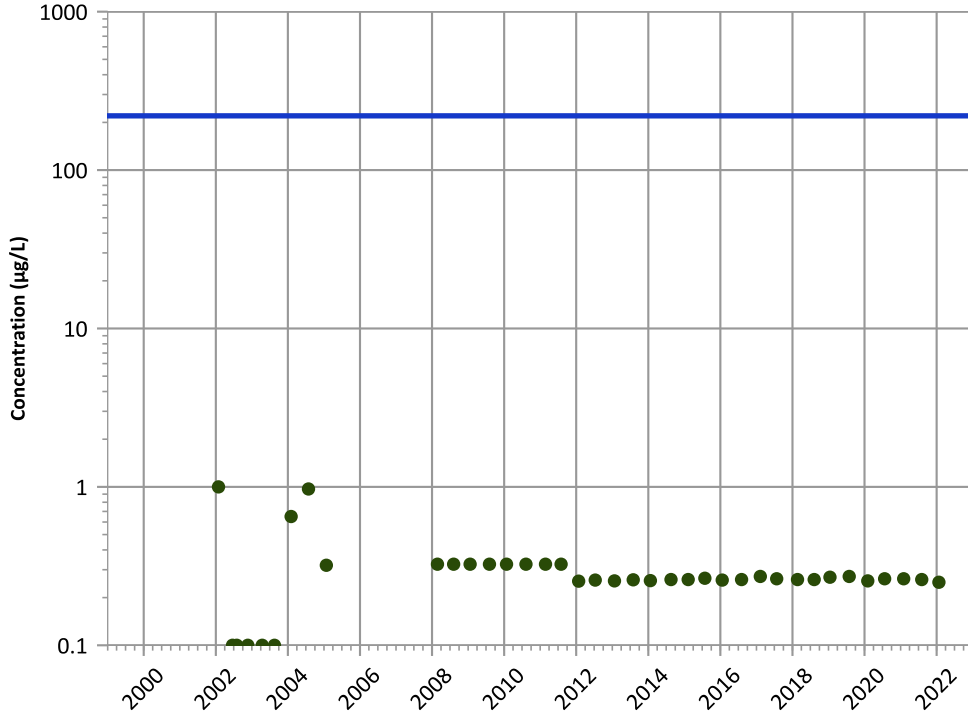
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

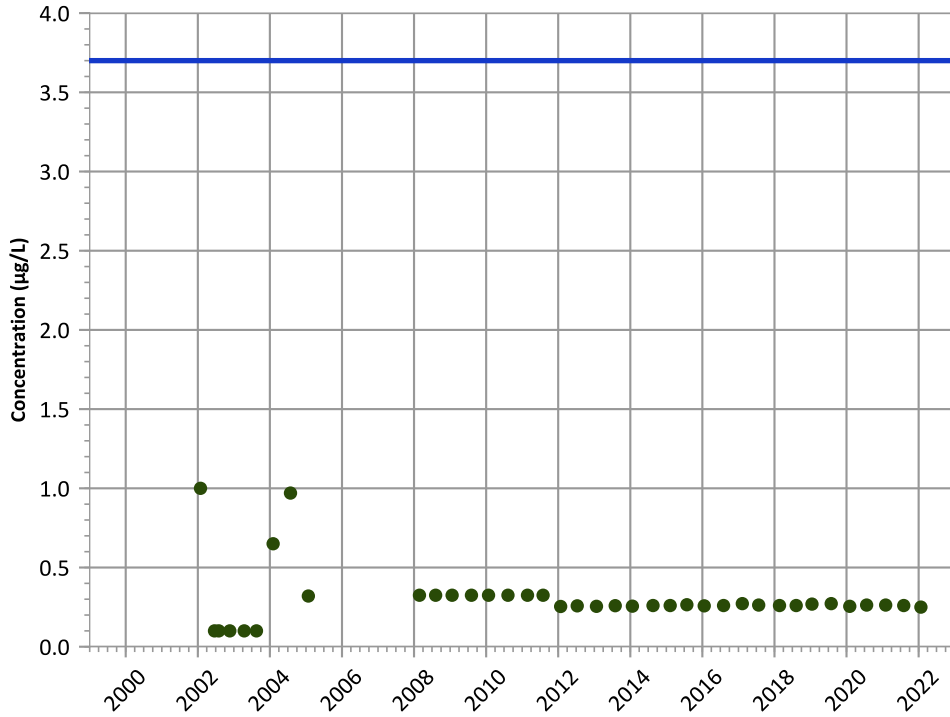
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

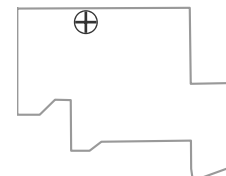
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

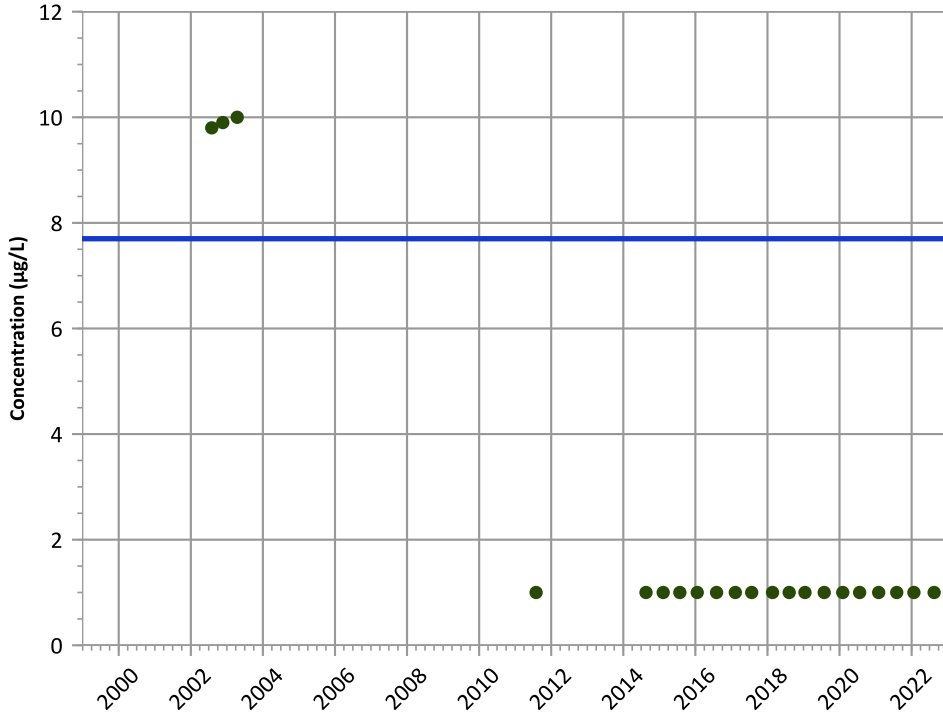
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

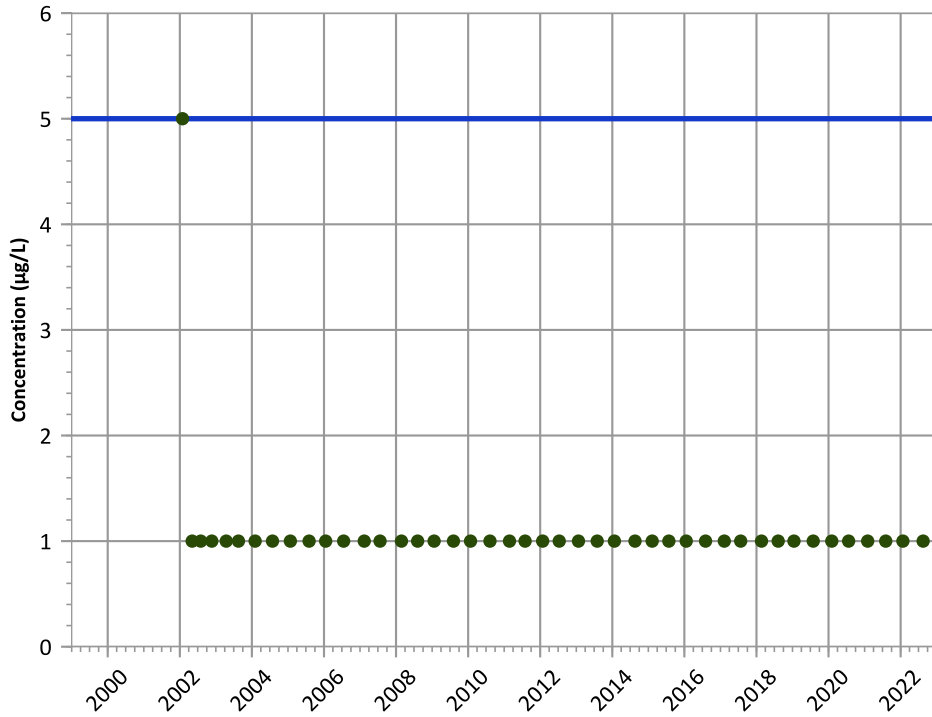
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

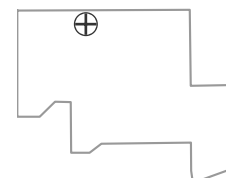
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

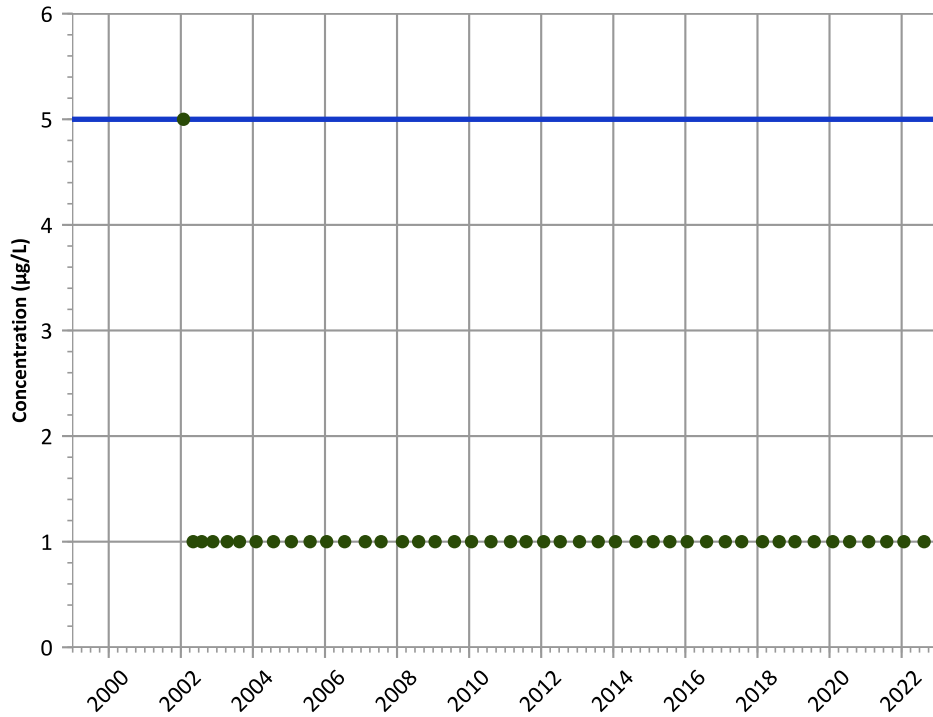
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

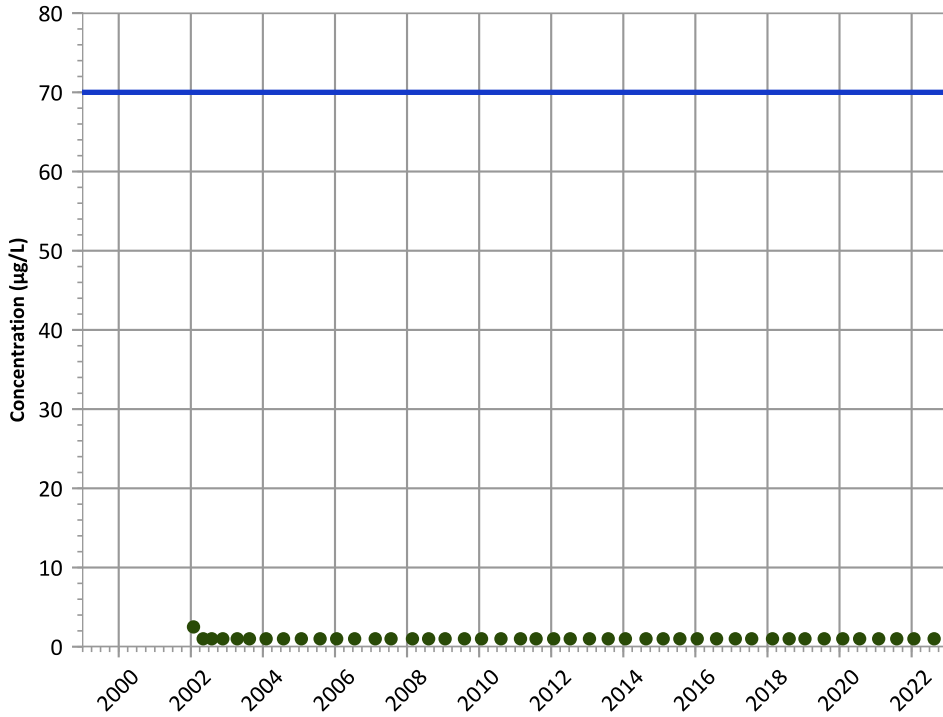
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

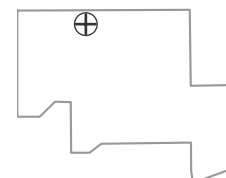
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

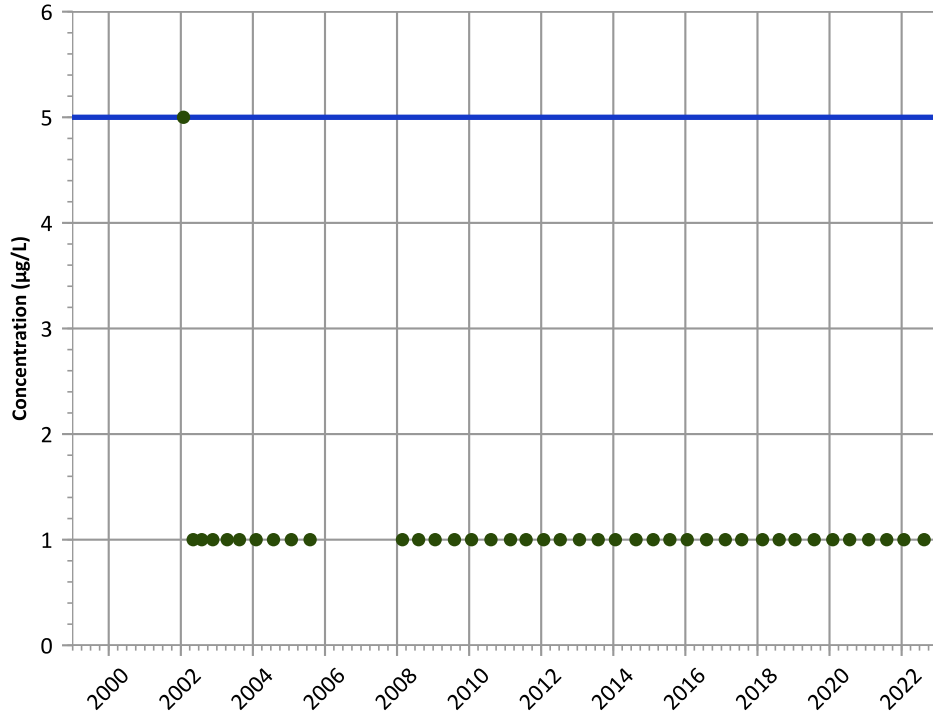


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

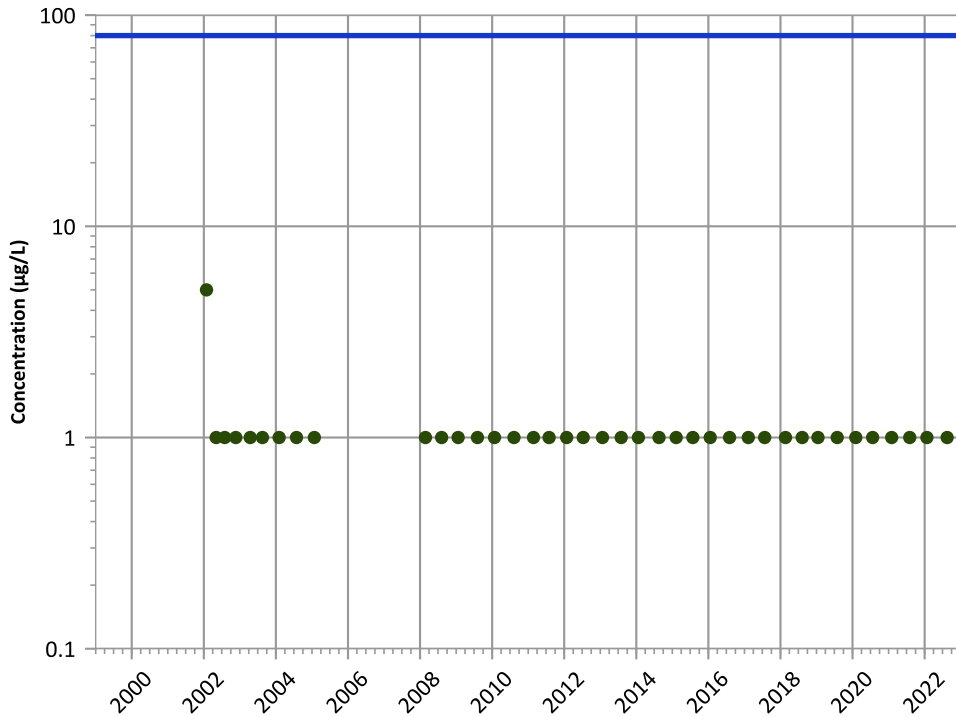
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

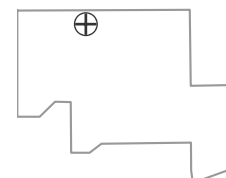
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

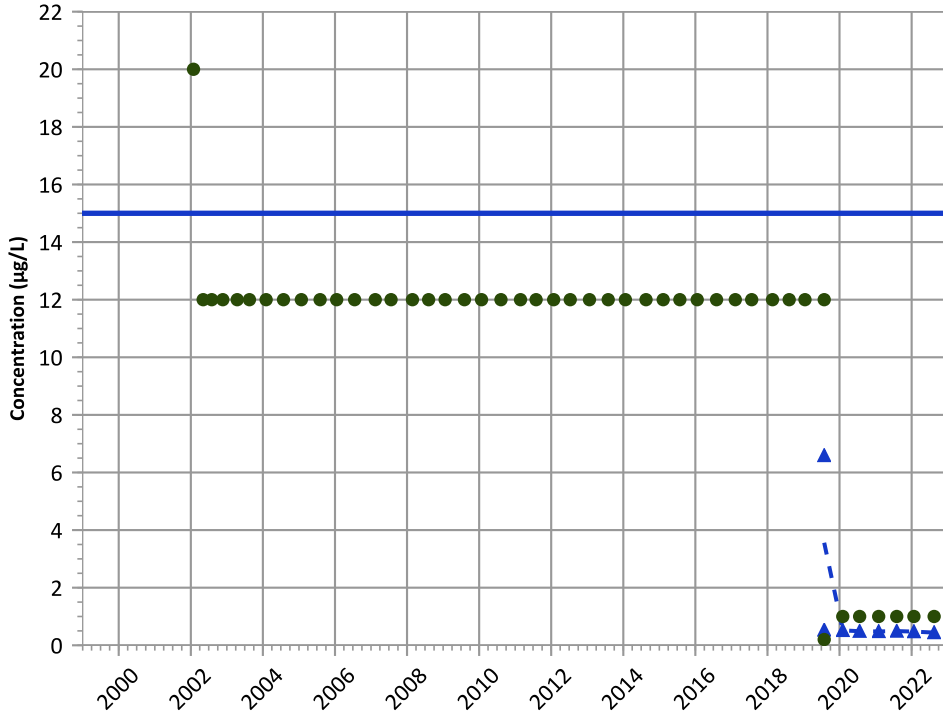
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing

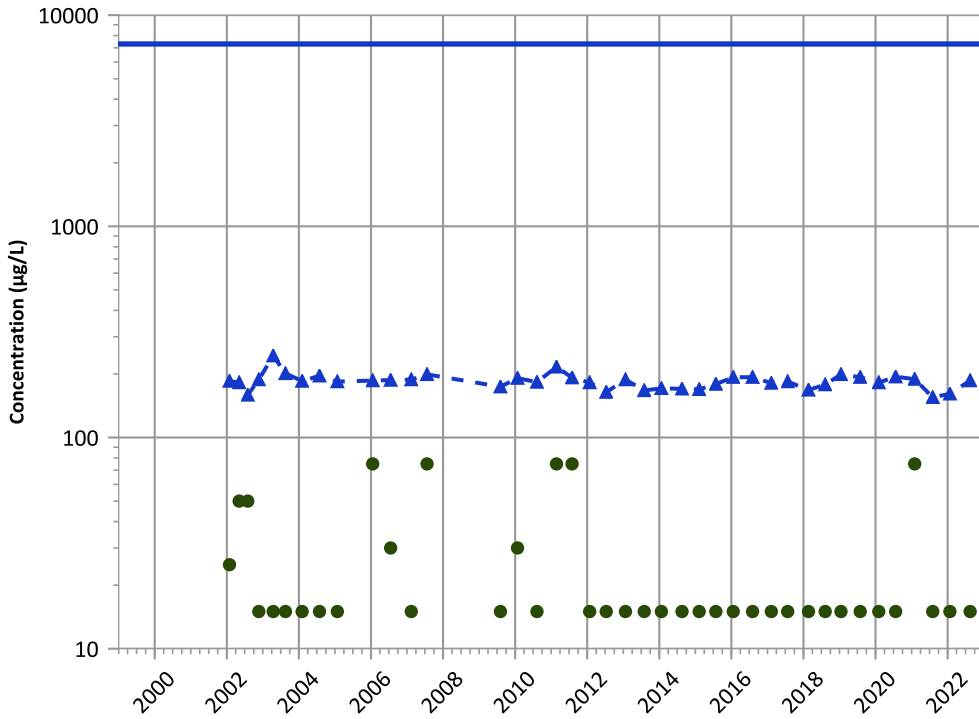
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**

All Data:  
Probably Decreasing

2020 - 2022 Data:  
Stable

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing

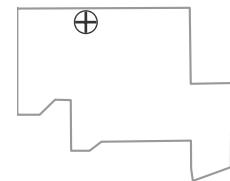
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**

All Data:  
Decreasing

2020 - 2022 Data:  
Increasing

**Well Location**

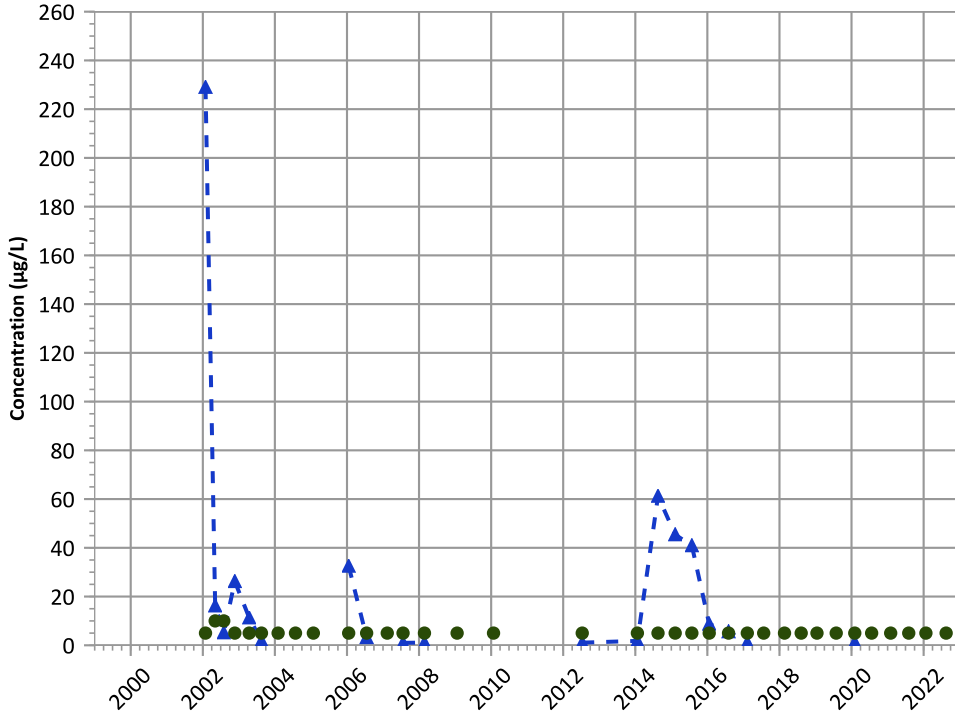


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

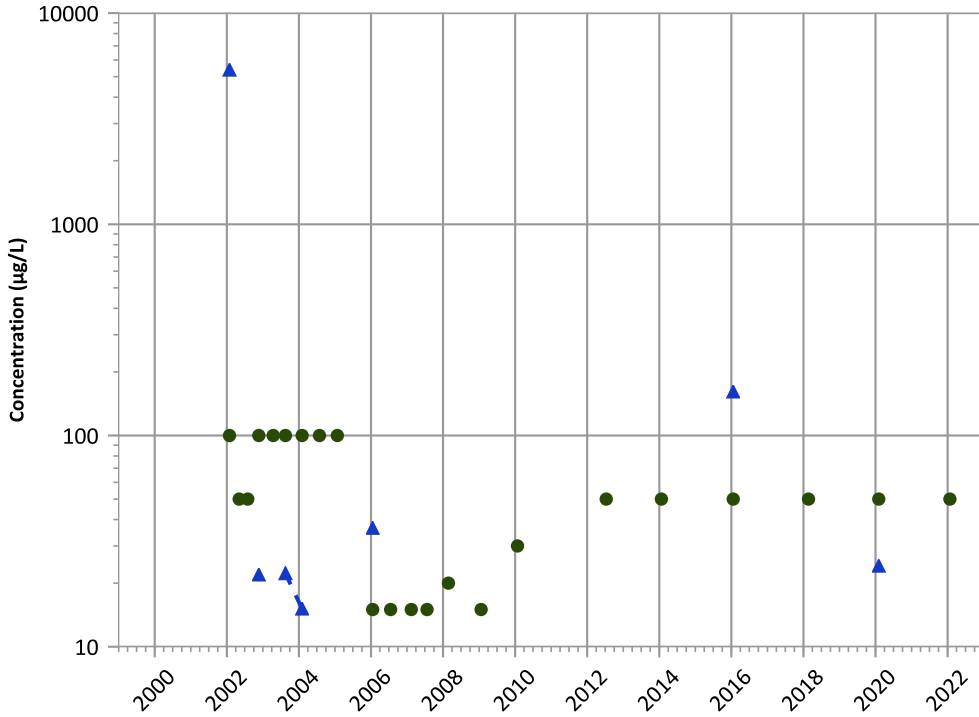
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

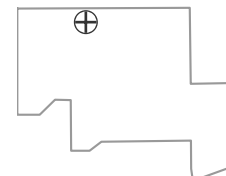
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

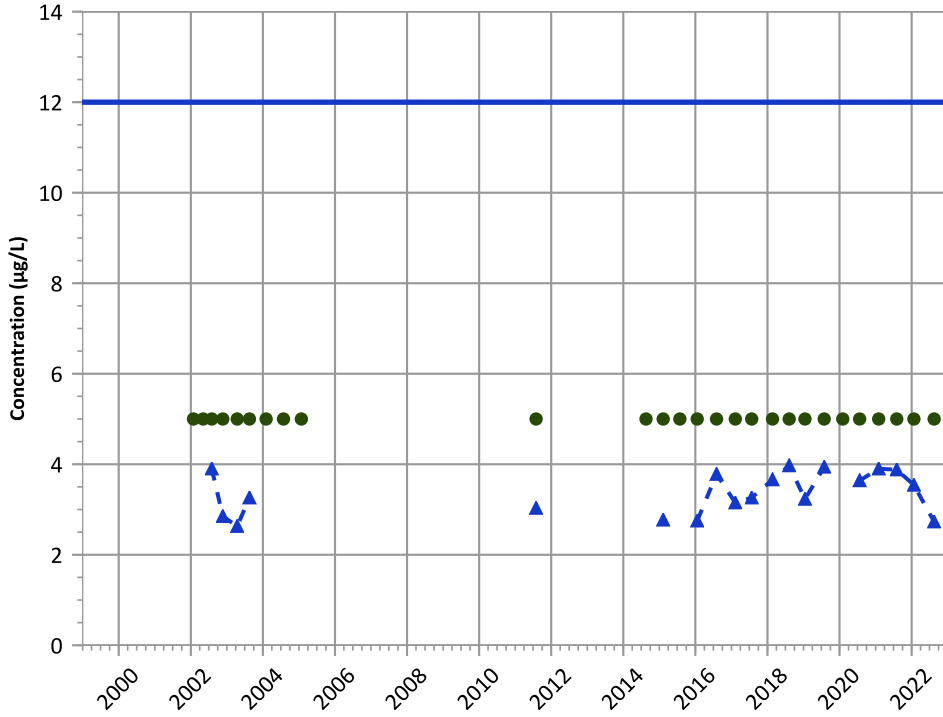
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

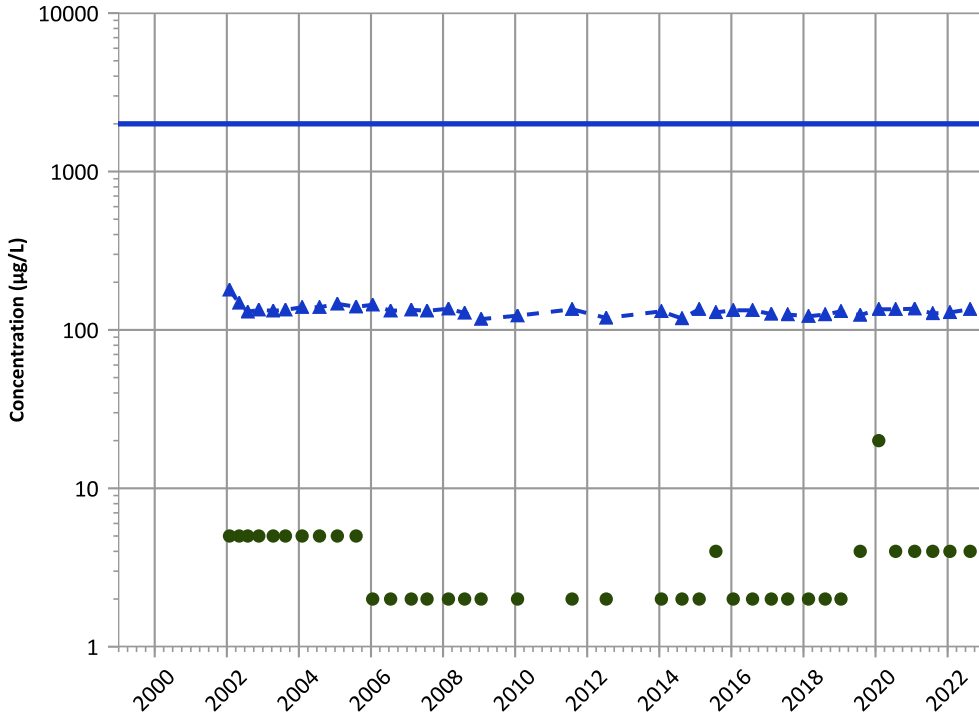
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

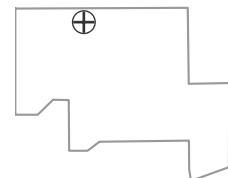
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

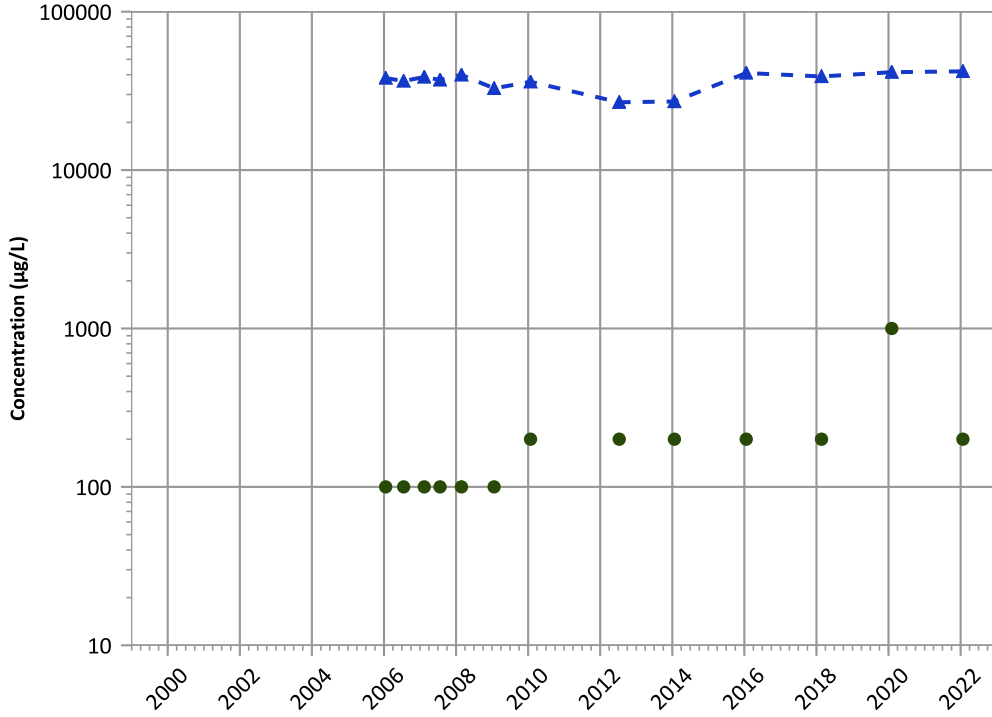
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

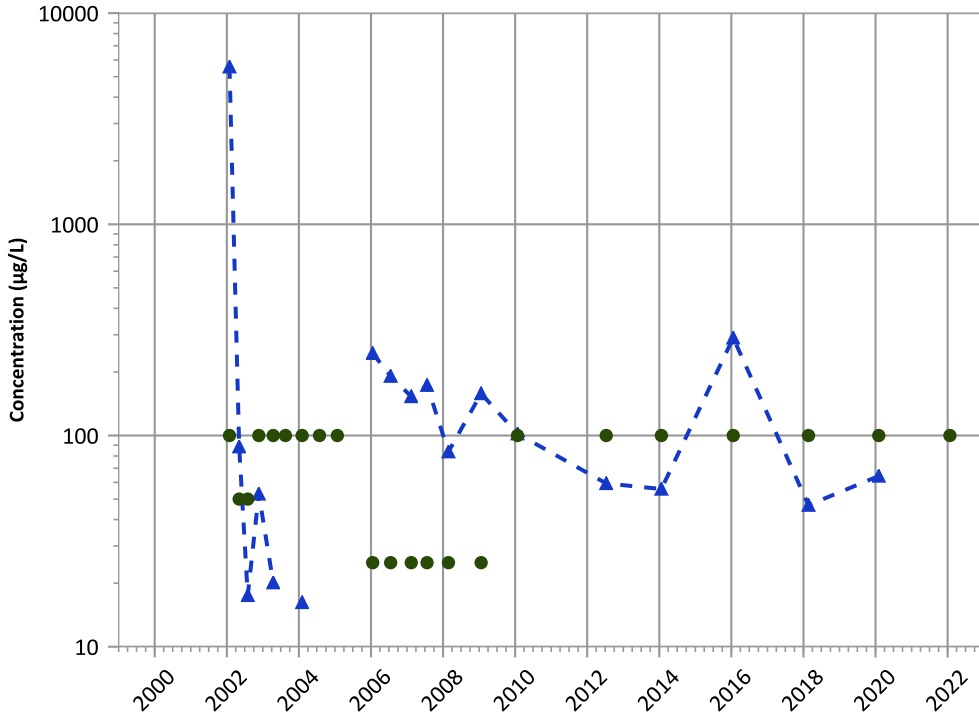
MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

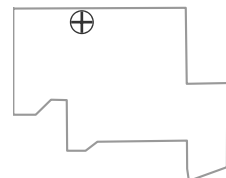
MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

Well Location

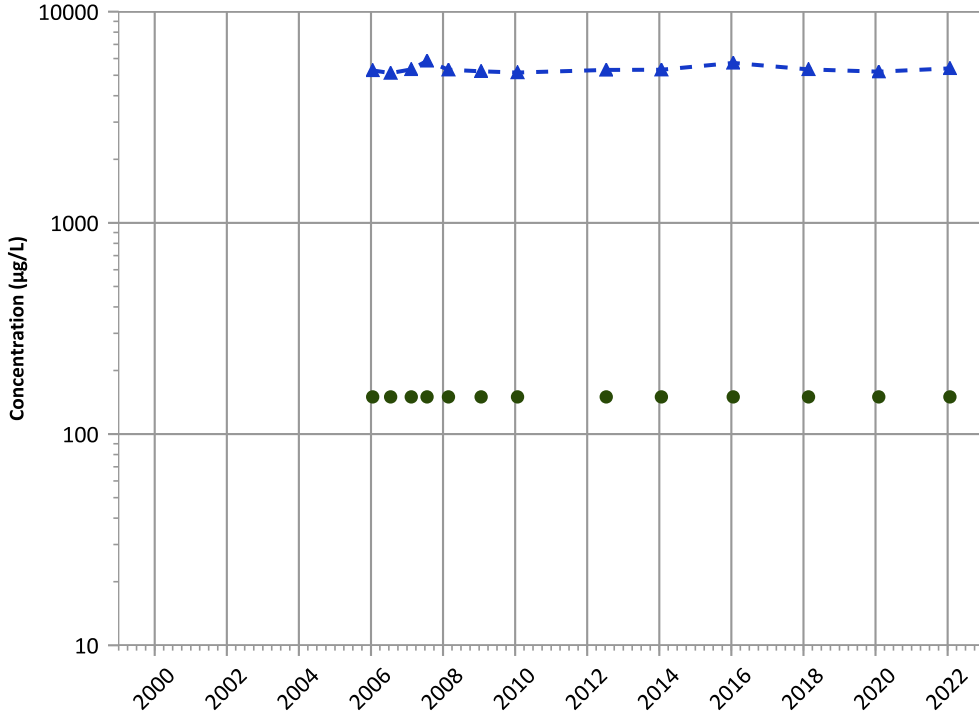


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

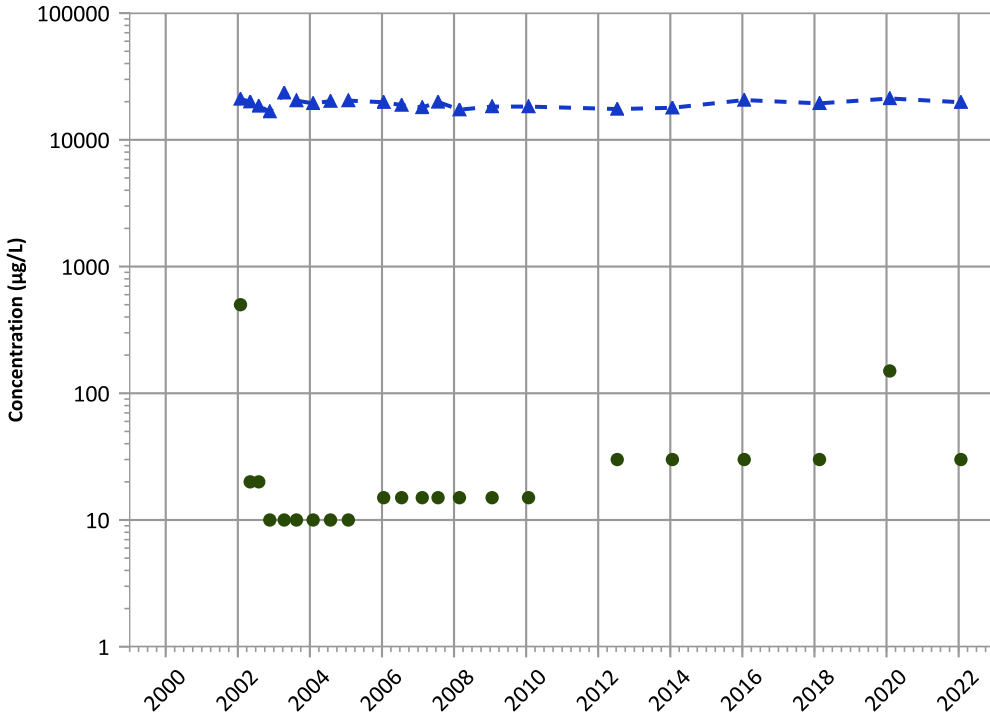
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

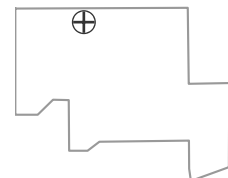
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

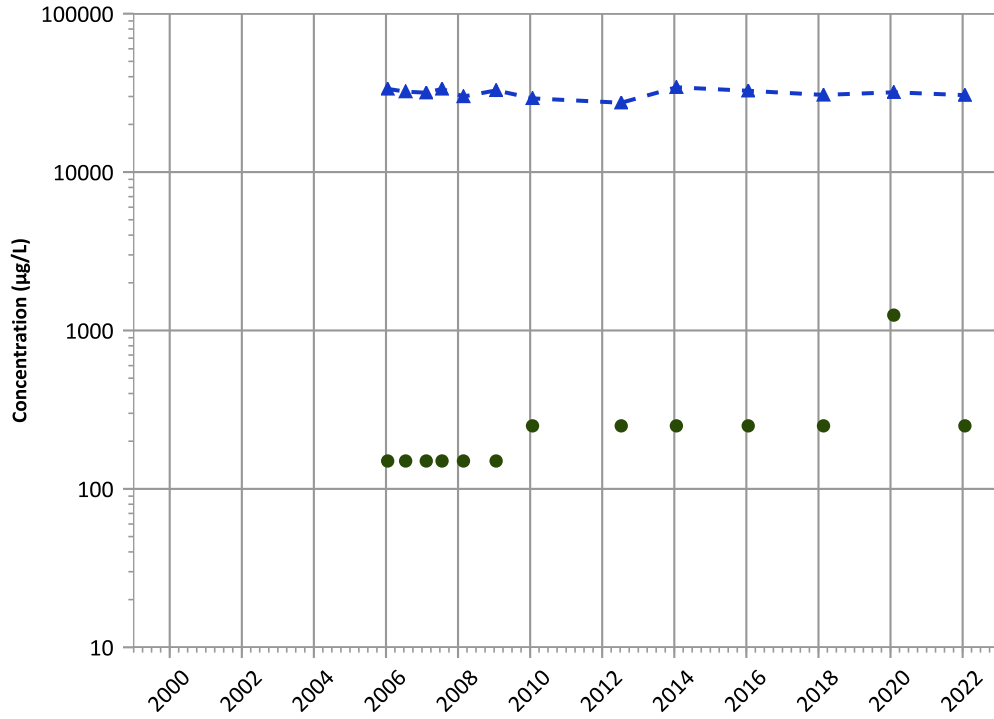
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

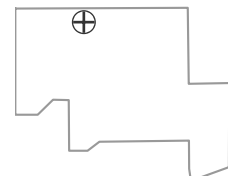
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

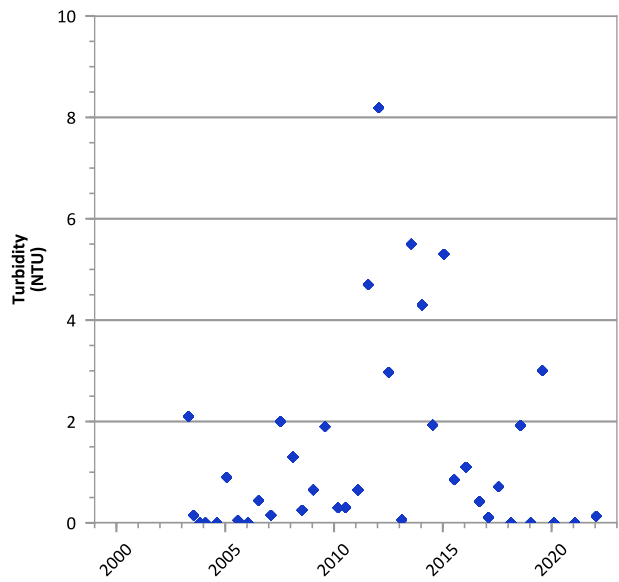
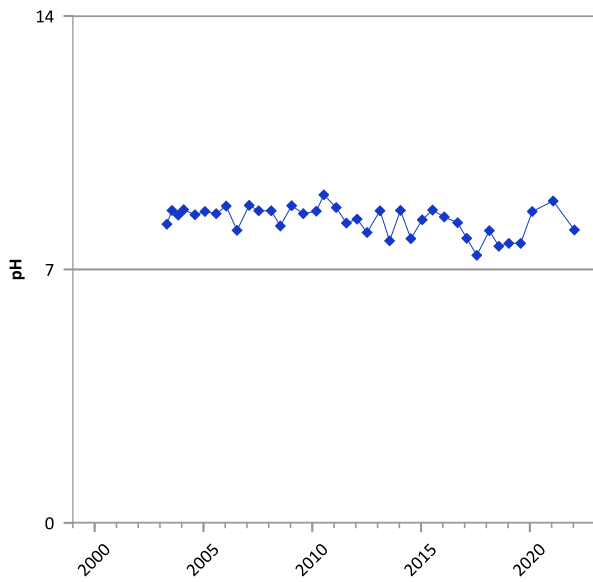
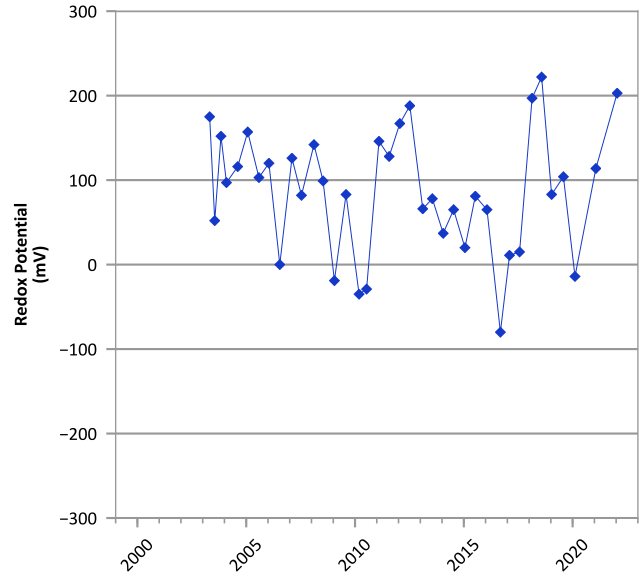
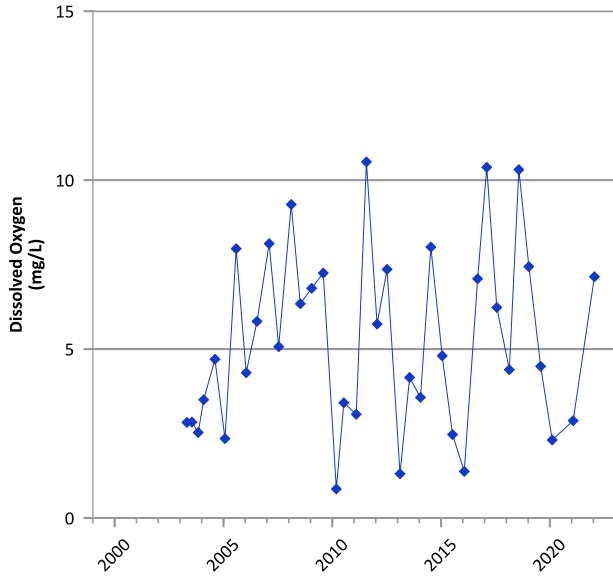
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 01/28/2002 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

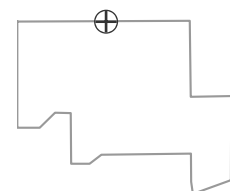


**PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/01/2000 to 01/18/2022  
 Analysis Date: 04/11/2023

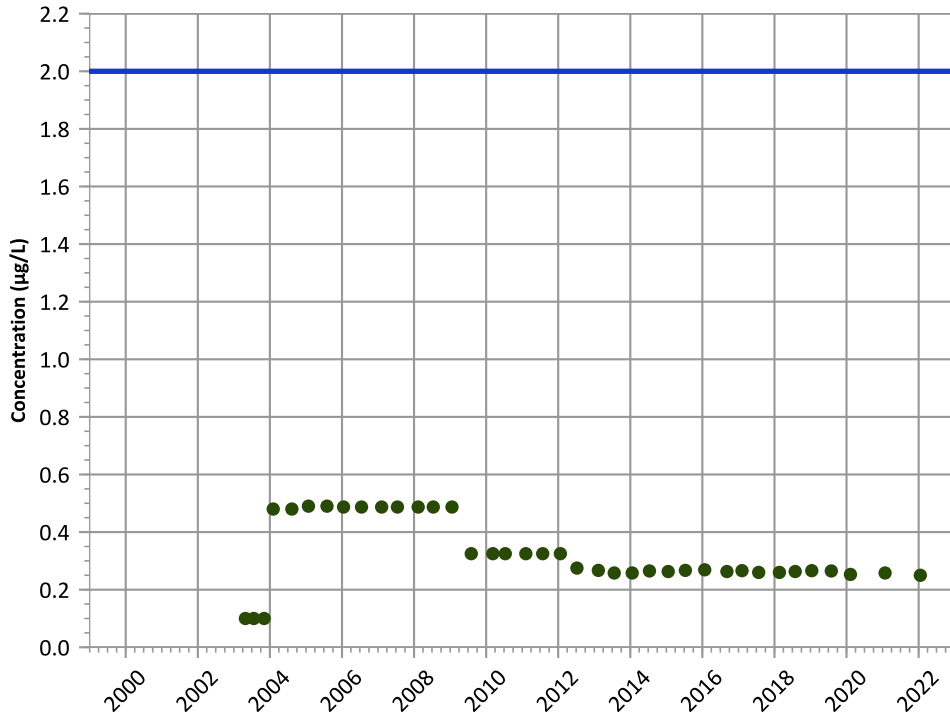
**Well Location**





PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

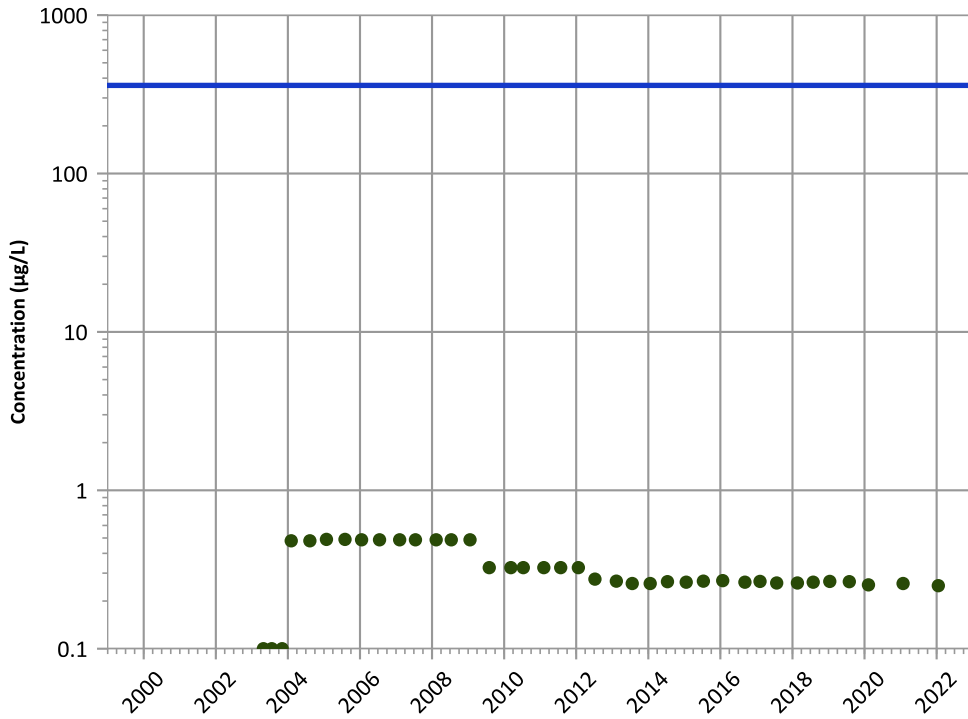
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

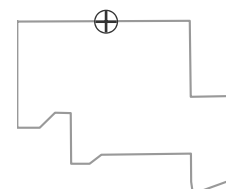
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

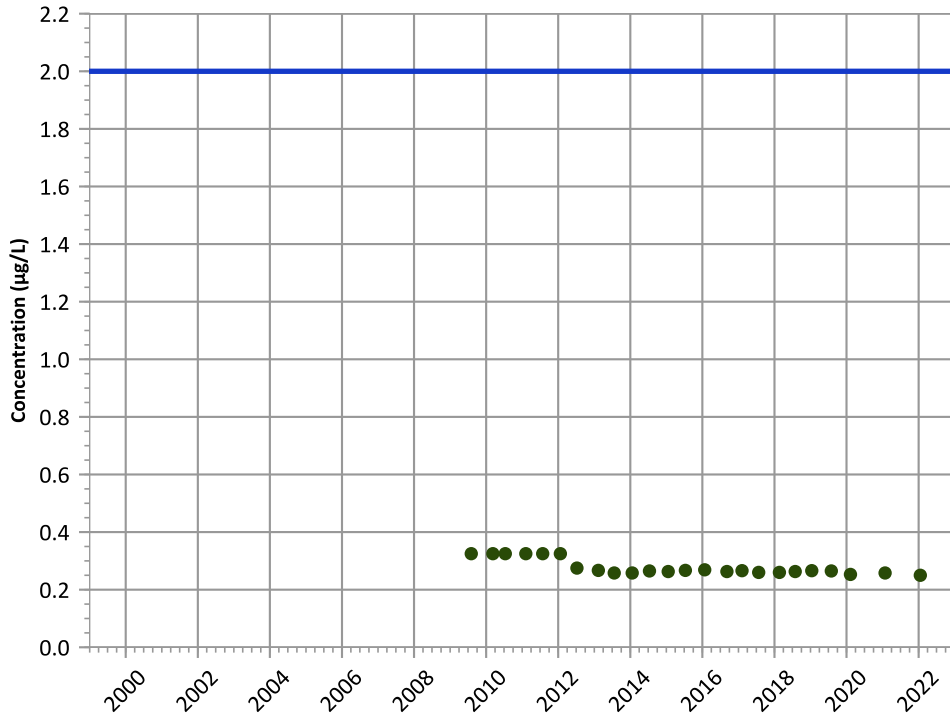
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

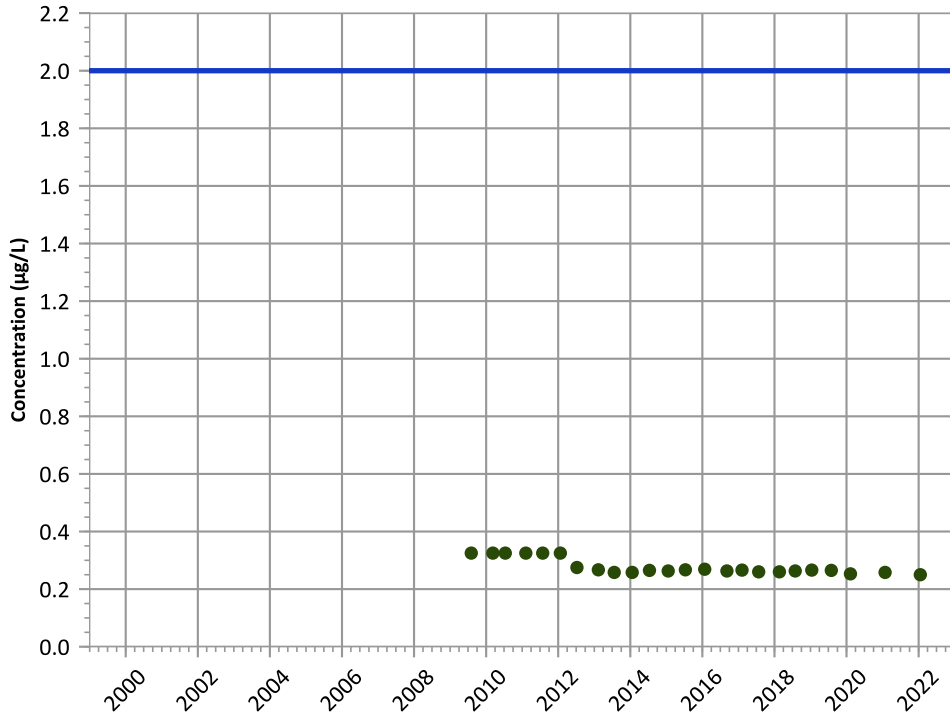
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

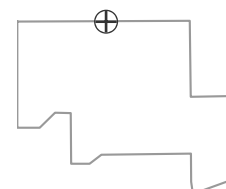
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

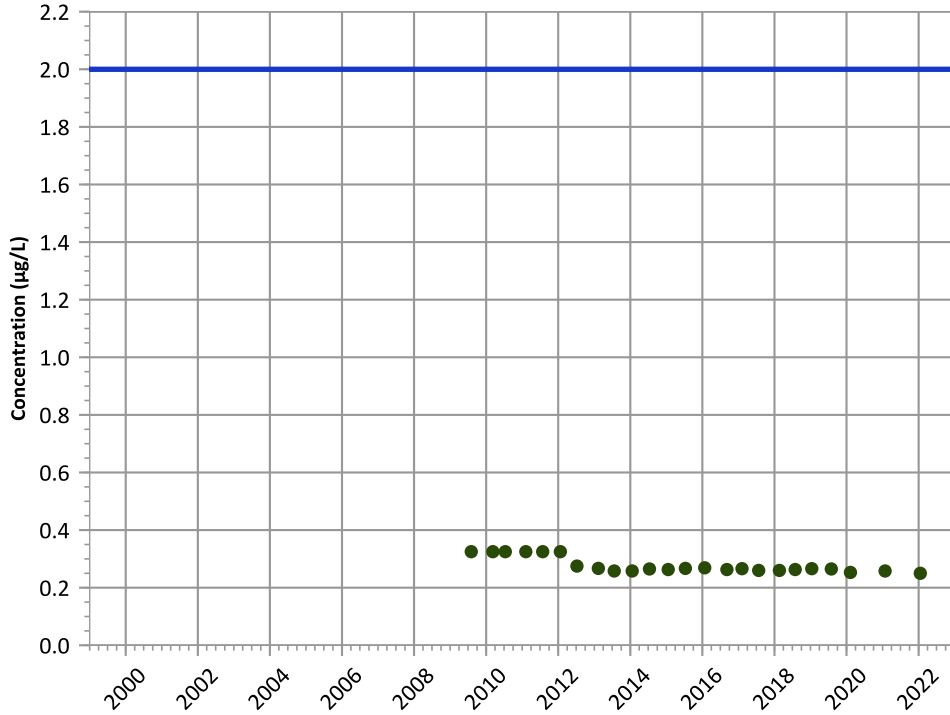
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

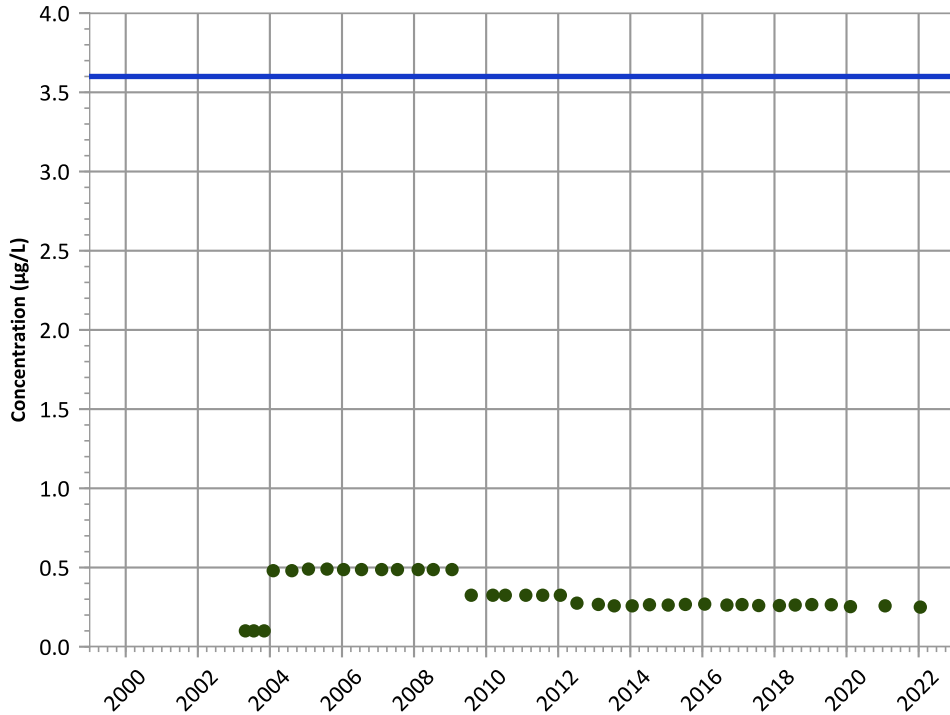
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

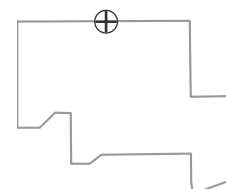
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

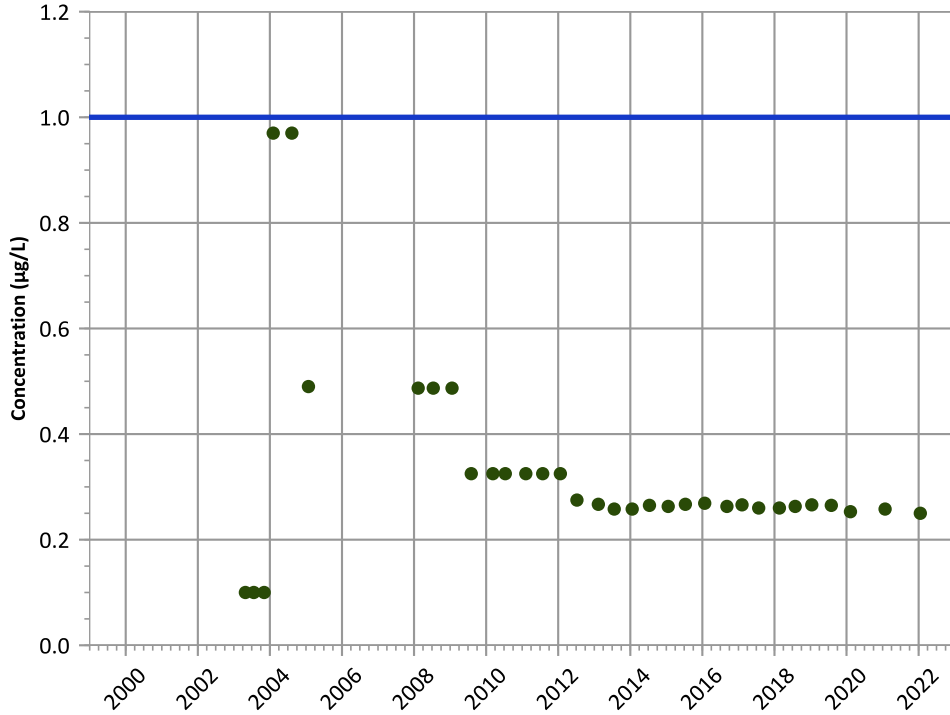
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

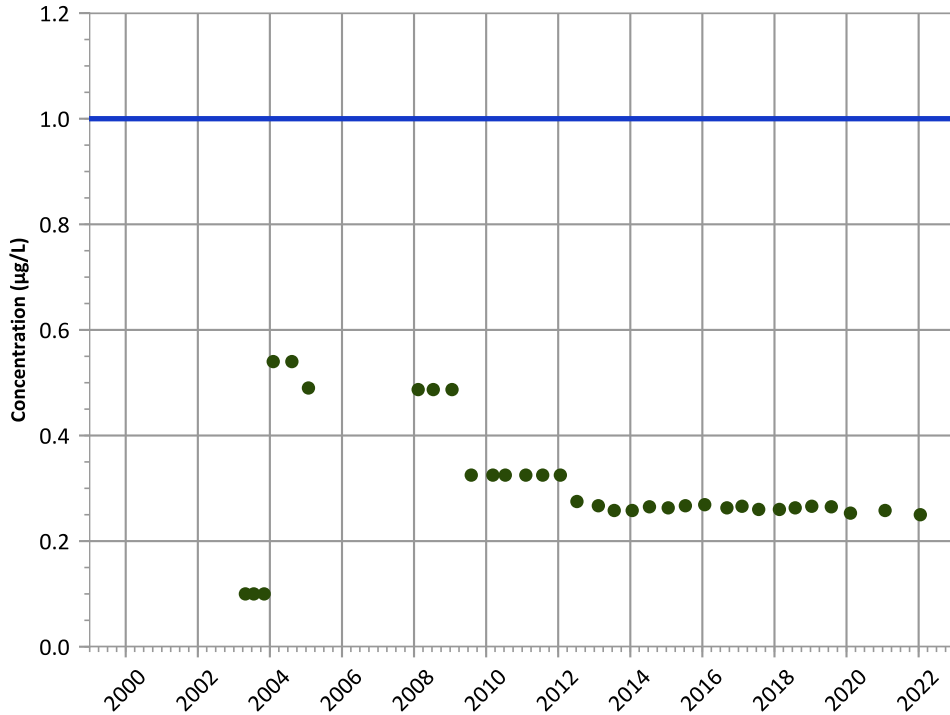
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

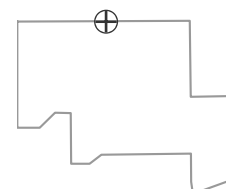
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

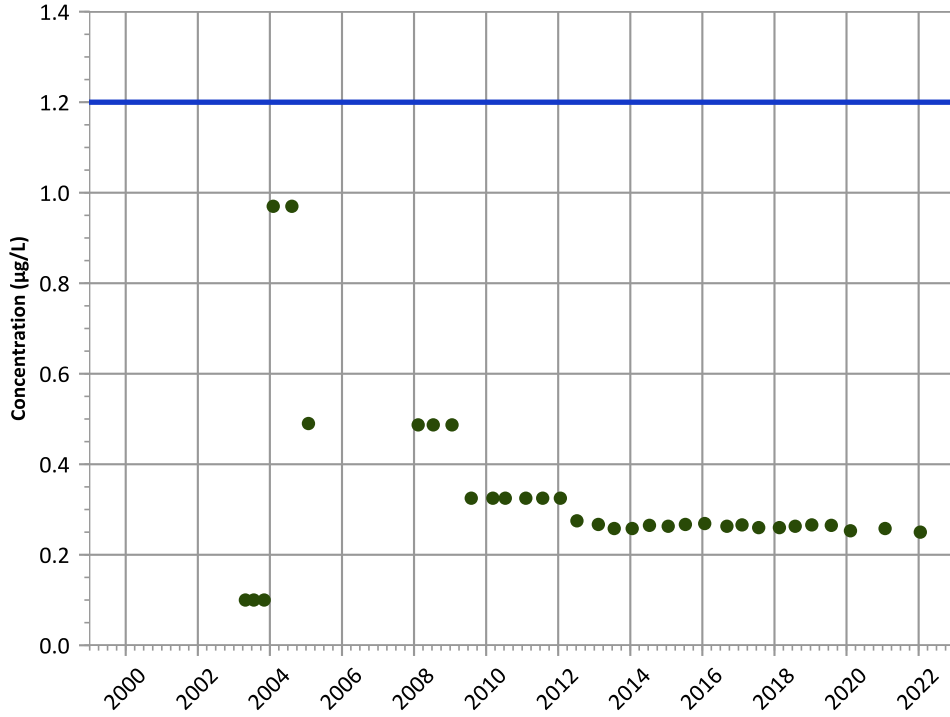
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

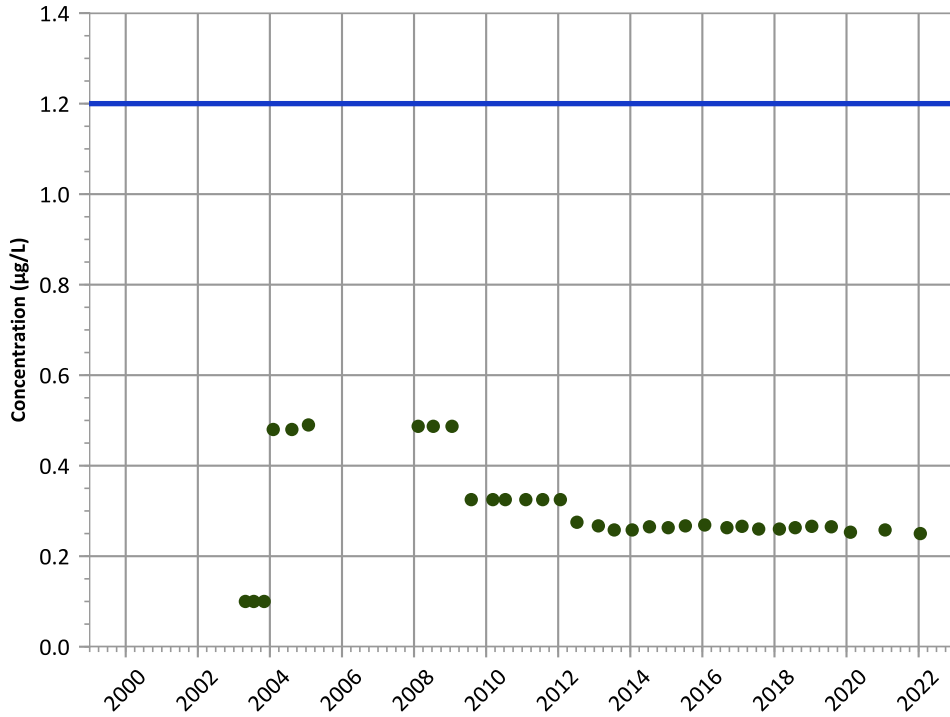
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

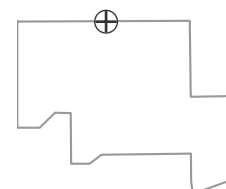
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

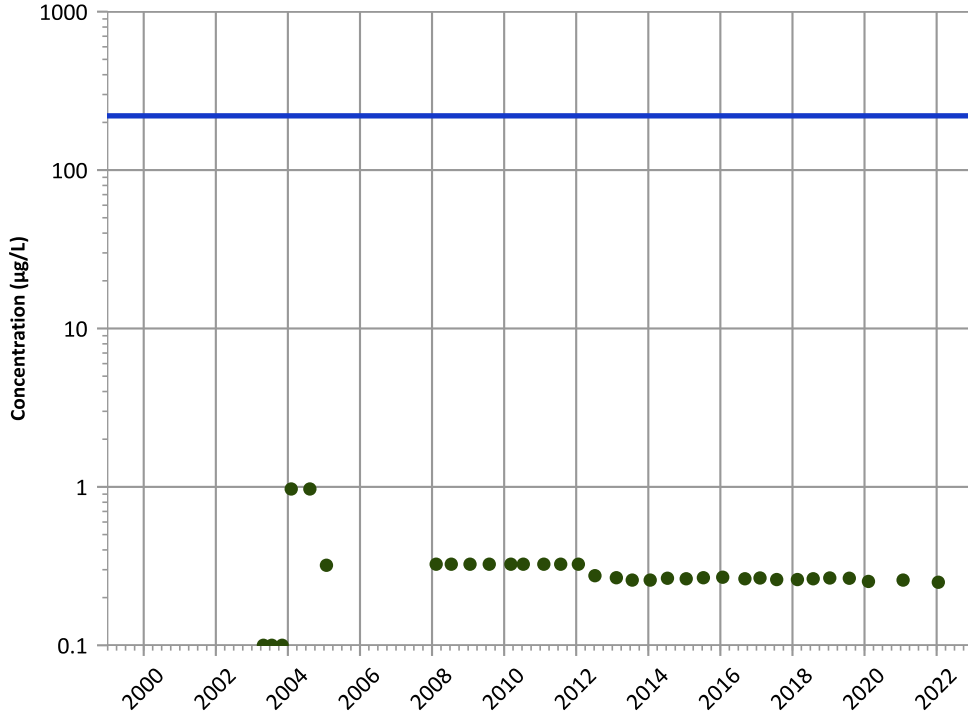
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

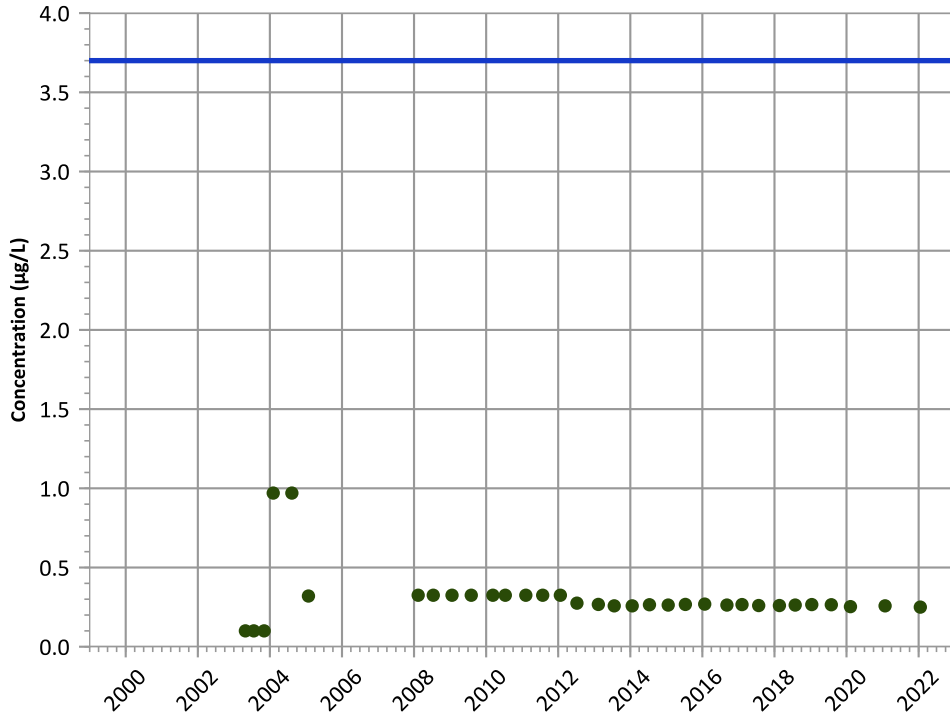
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

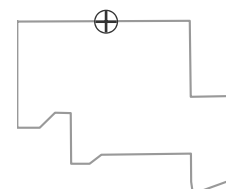
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

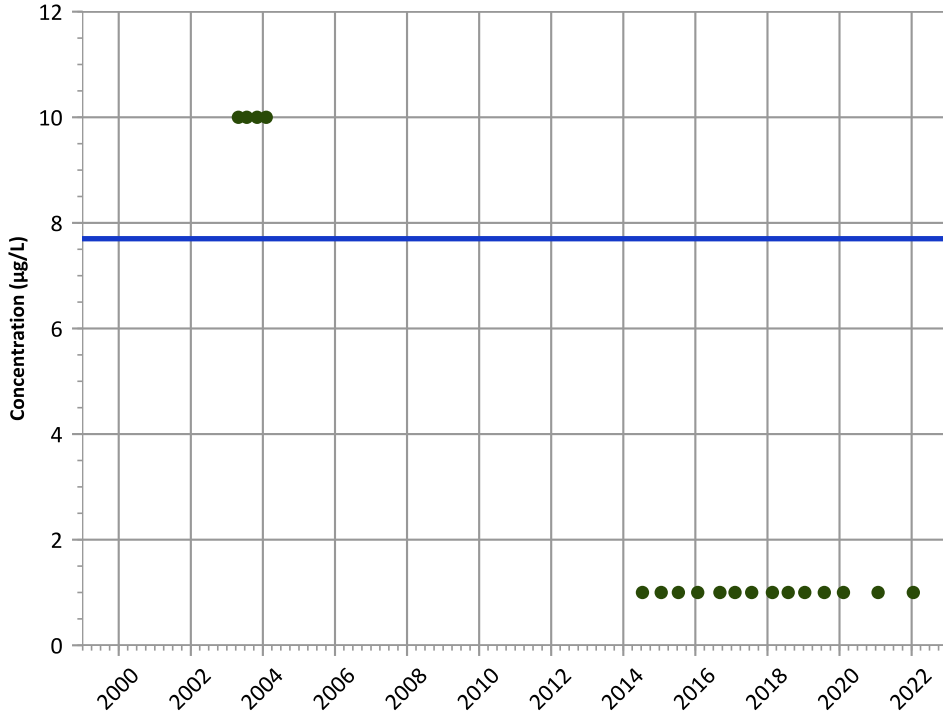
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

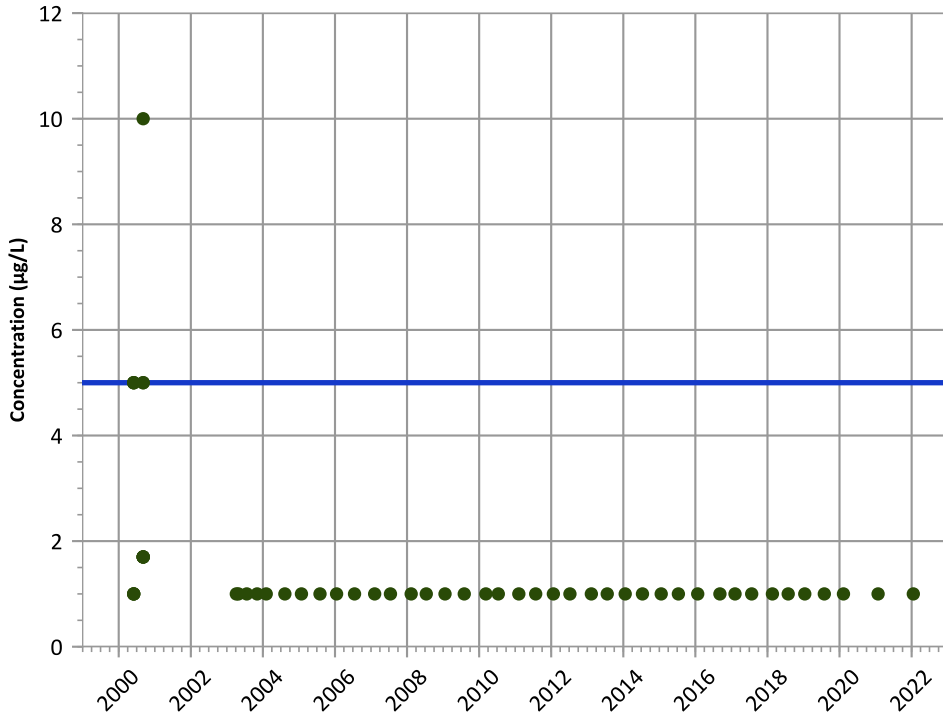
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

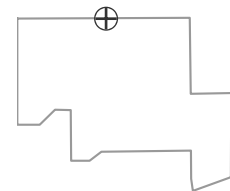
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

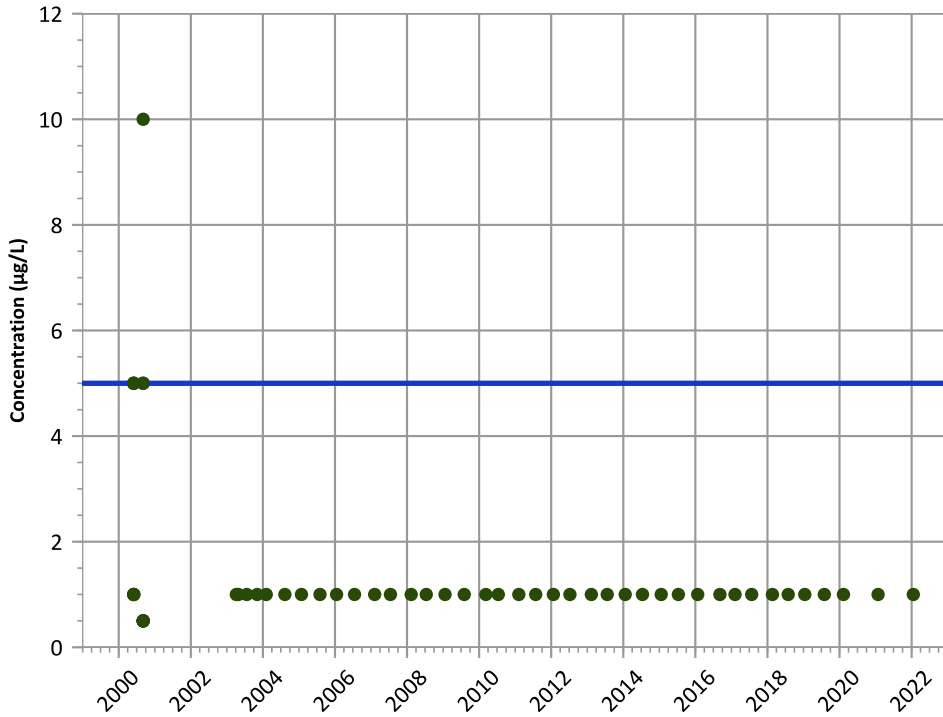
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

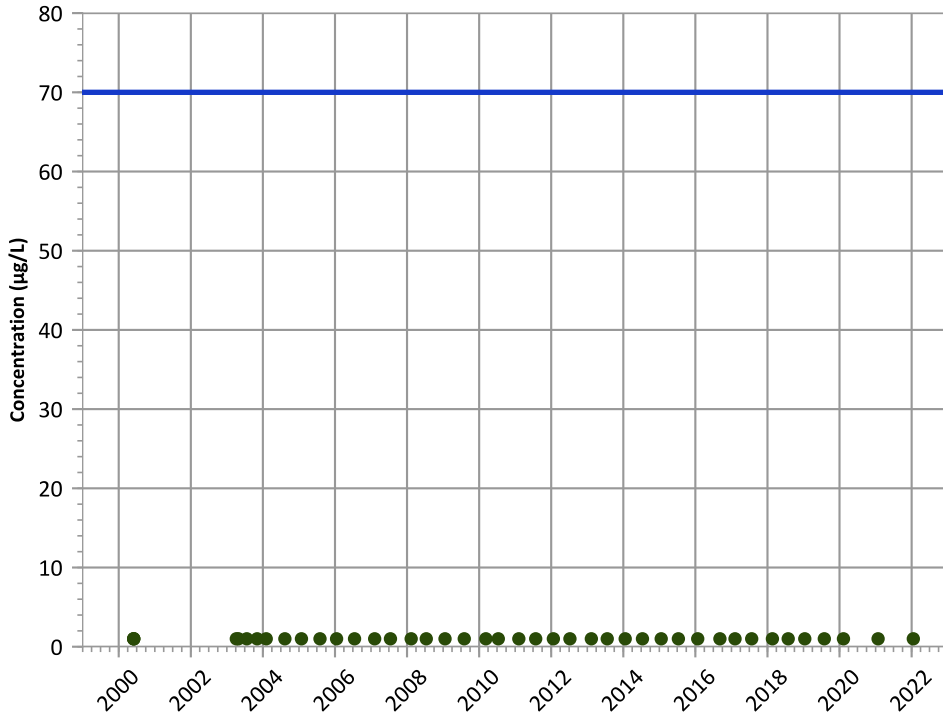
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

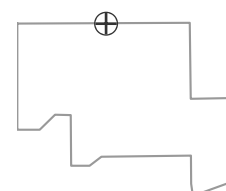
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

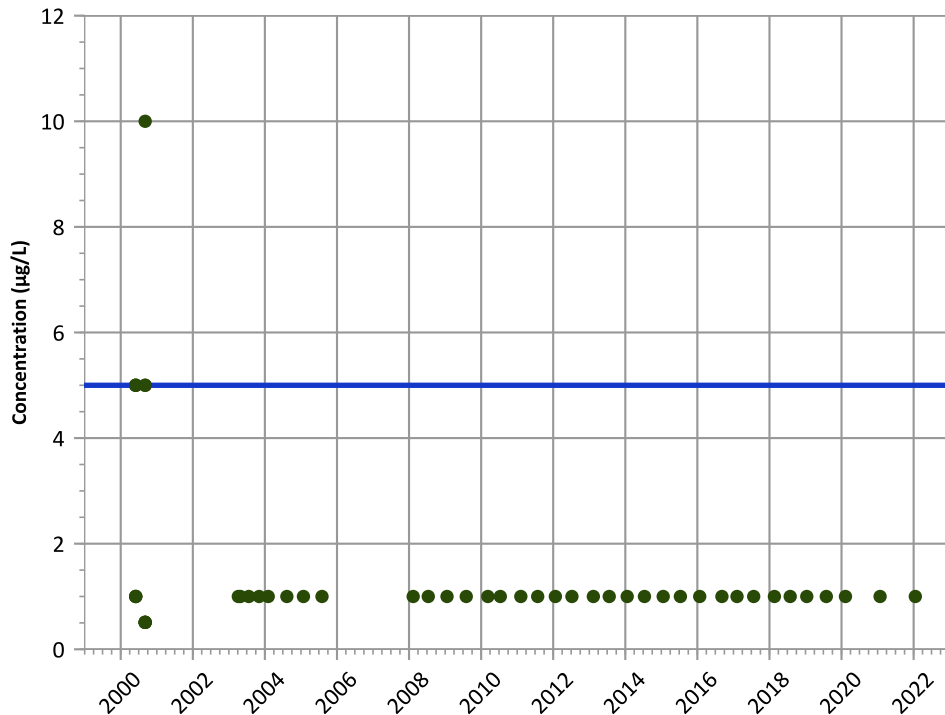
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

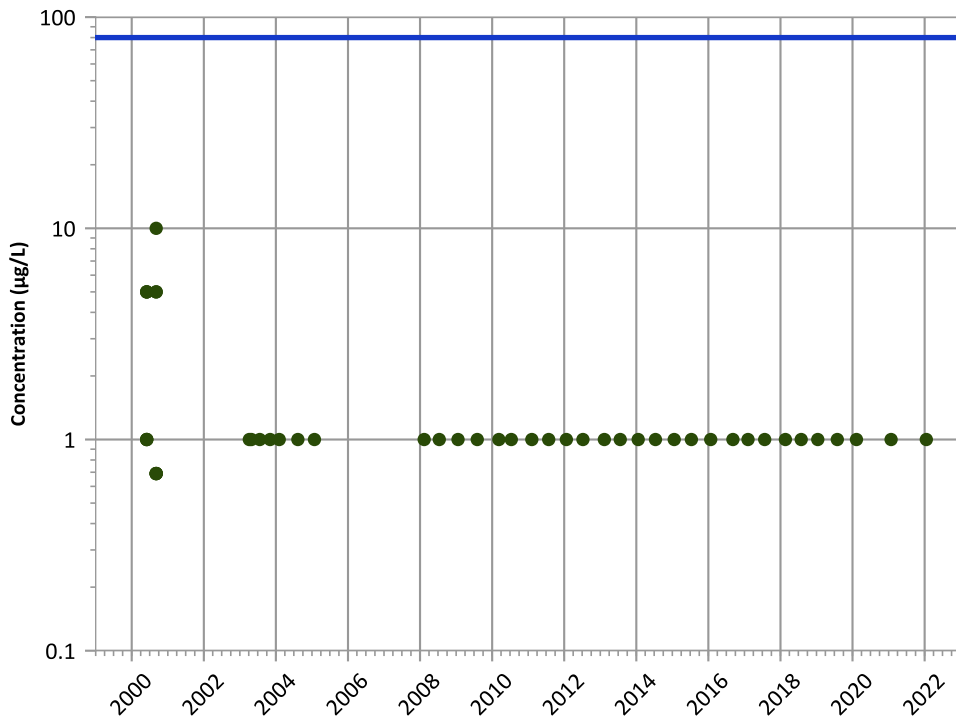
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

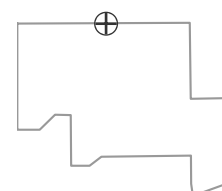
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

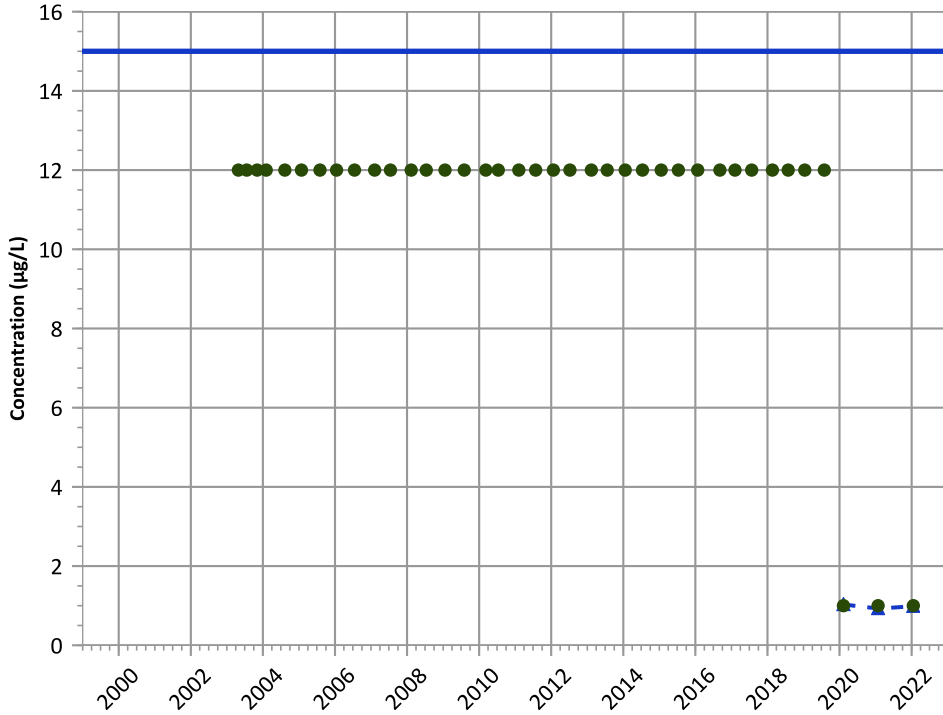
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

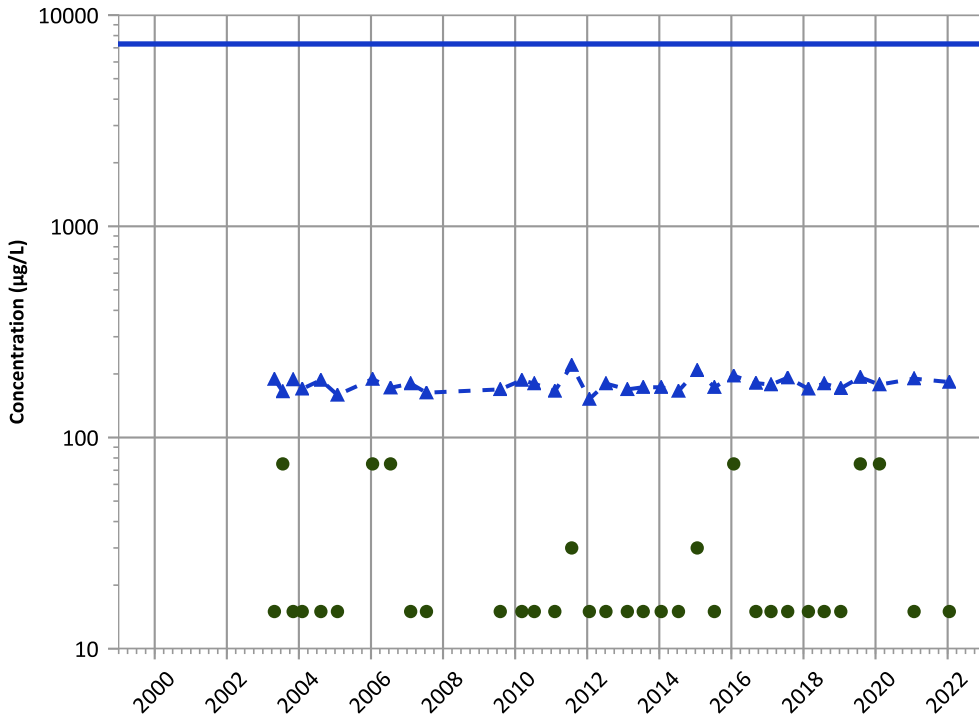
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
No Trend  
2020 - 2022 Data:  
Decreasing

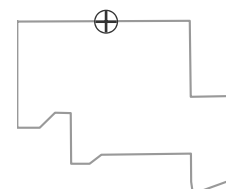
**MAROS Linear Regression Method**

All Data:  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

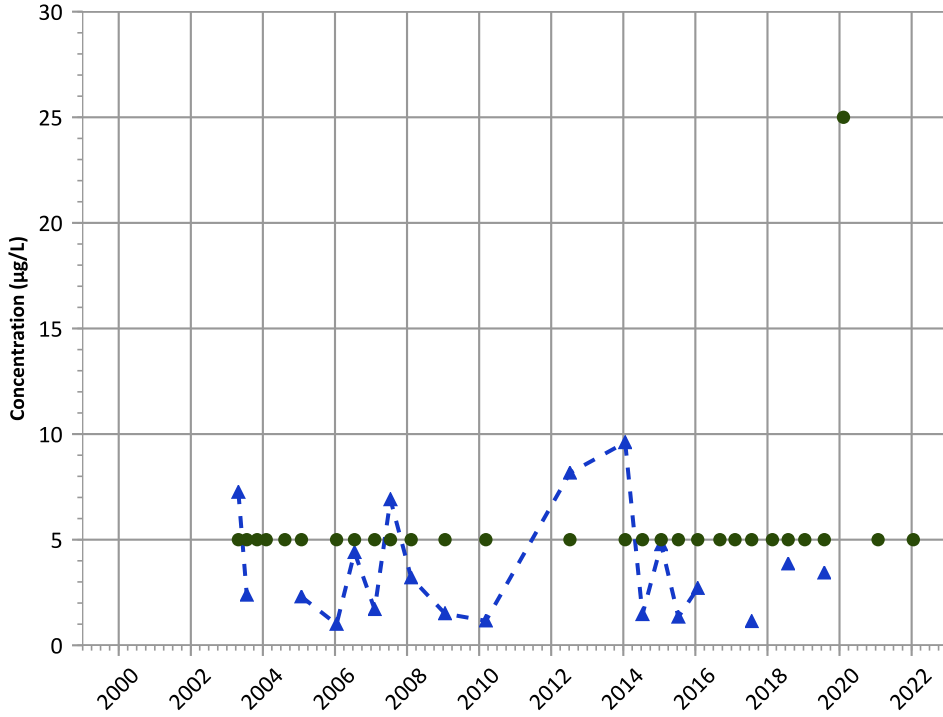
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

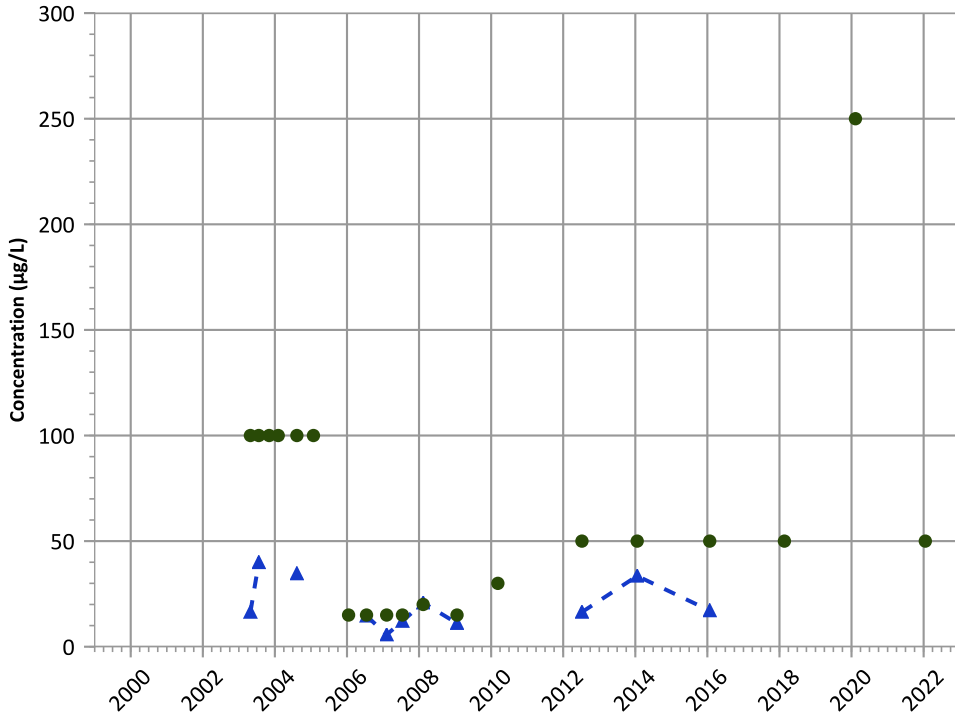
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

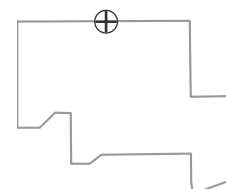
MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

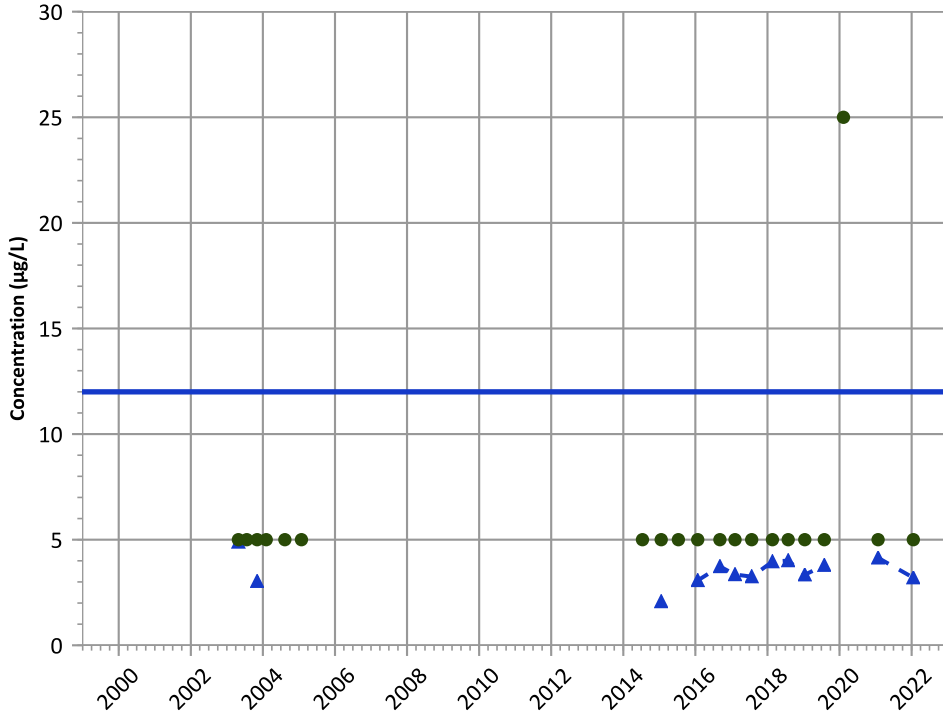
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

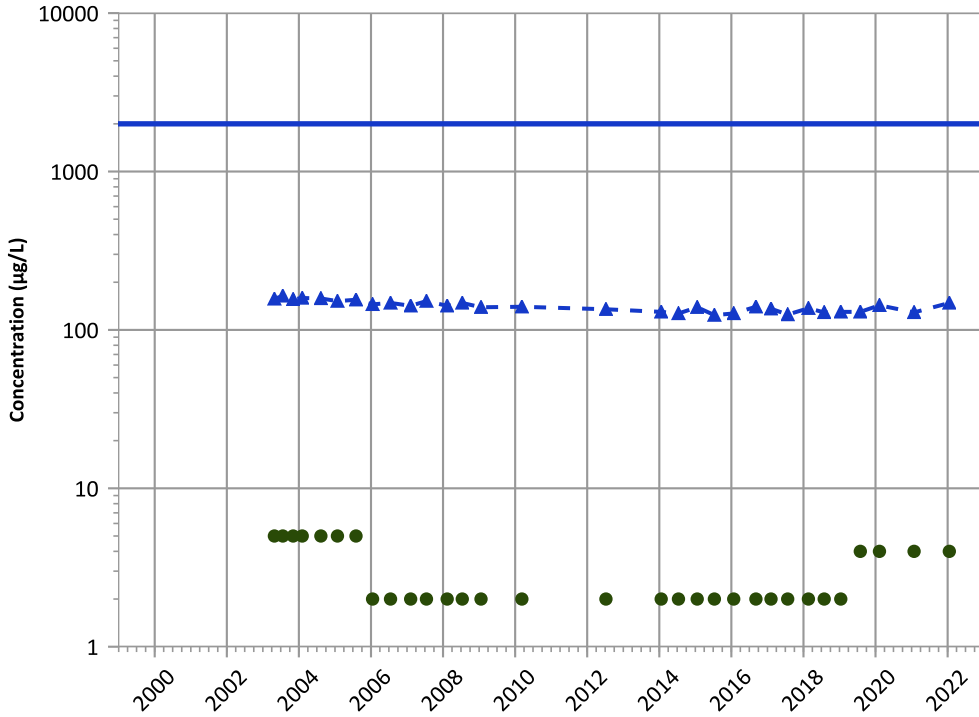
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

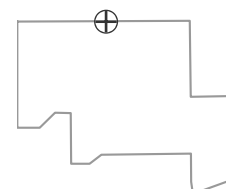
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

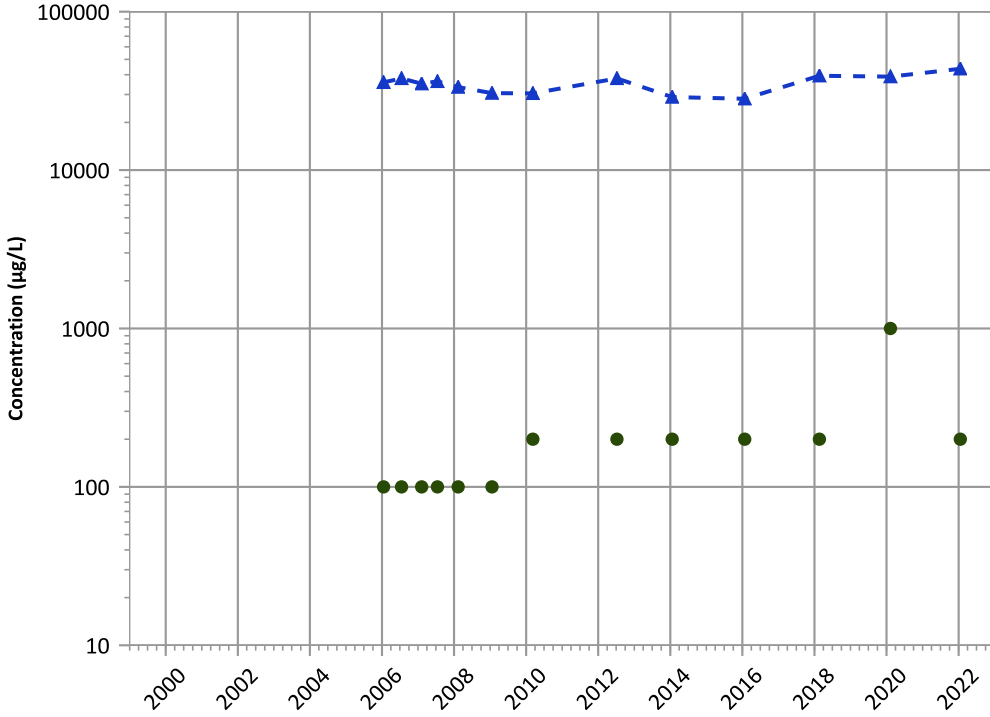
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

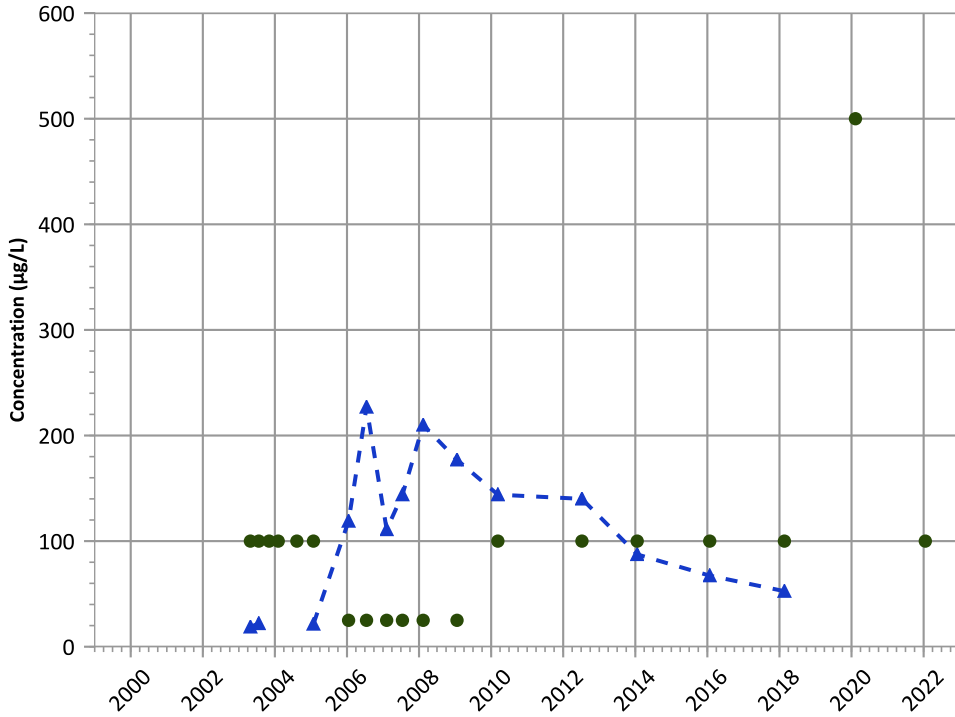
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Probably Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

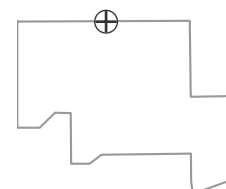
MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

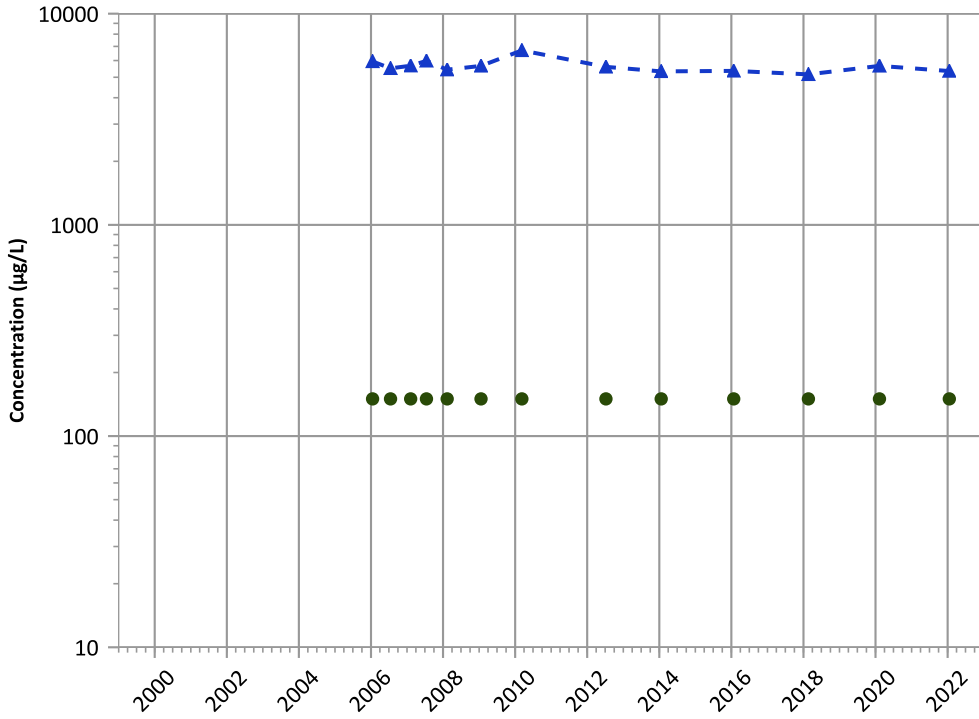
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

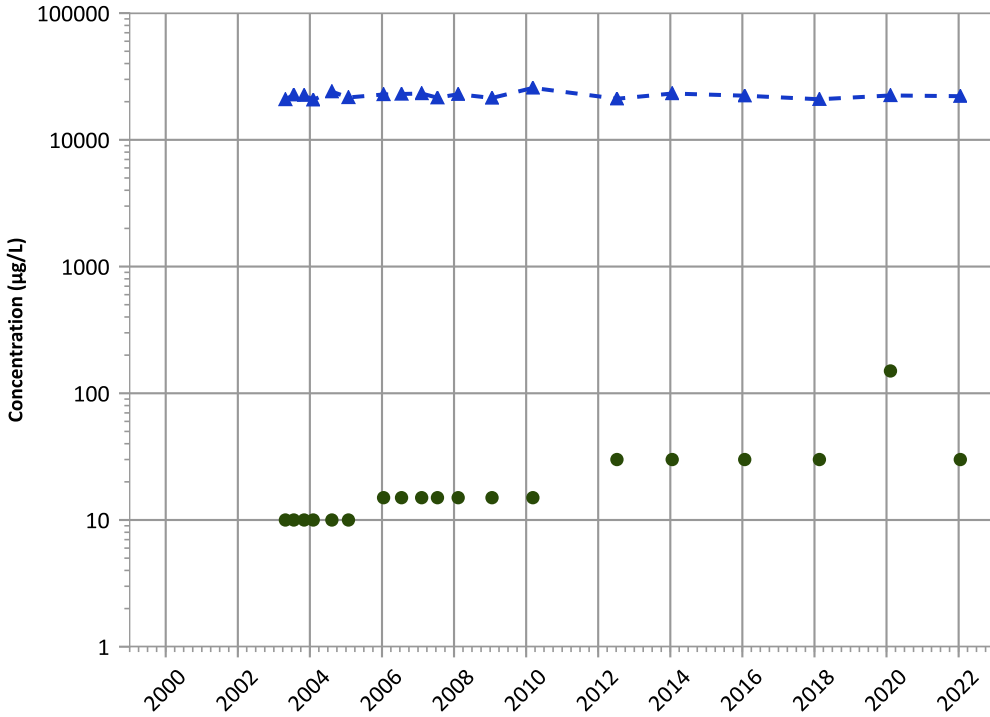
MAROS Linear Regression Method

All Data: Probably Decreasing

2020 - 2022 Data: No Trend

No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Stable

2020 - 2022 Data: Stable

Stable

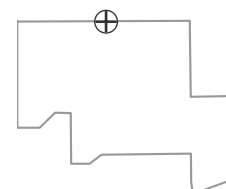
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: No Trend

No Trend

Well Location

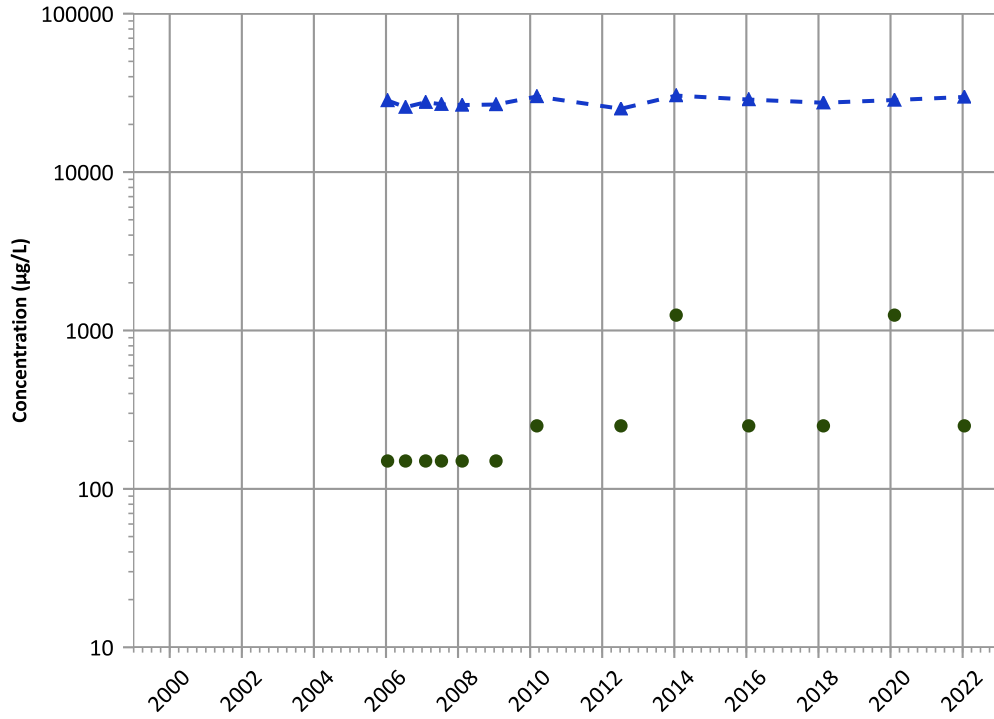


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1012 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

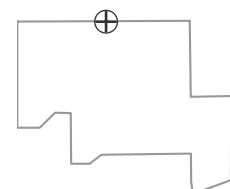
MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: No Trend

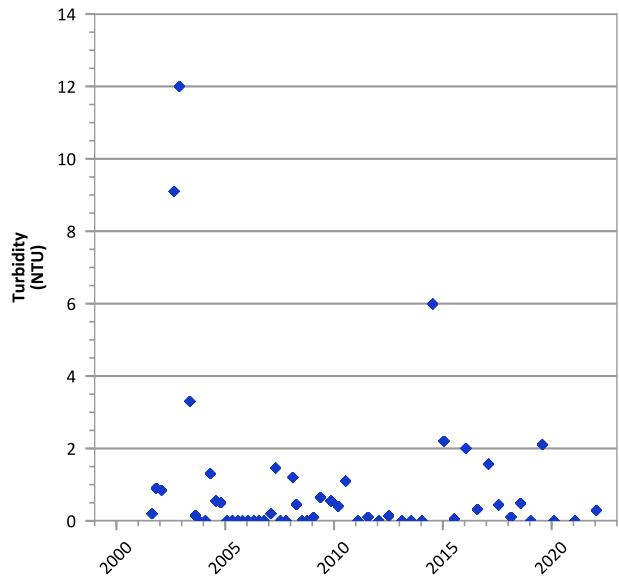
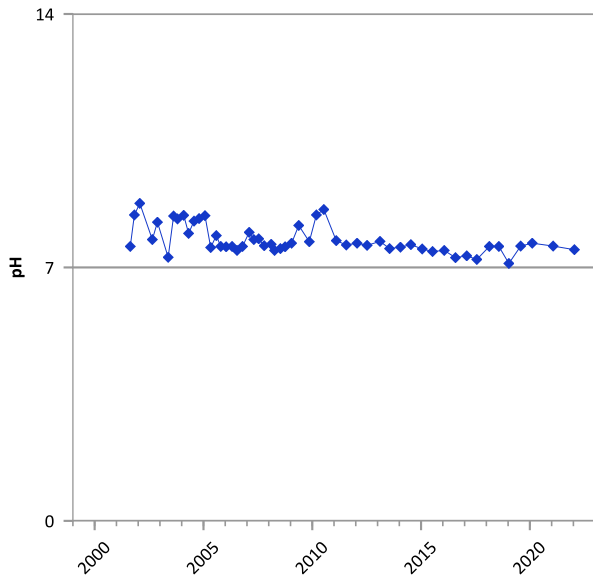
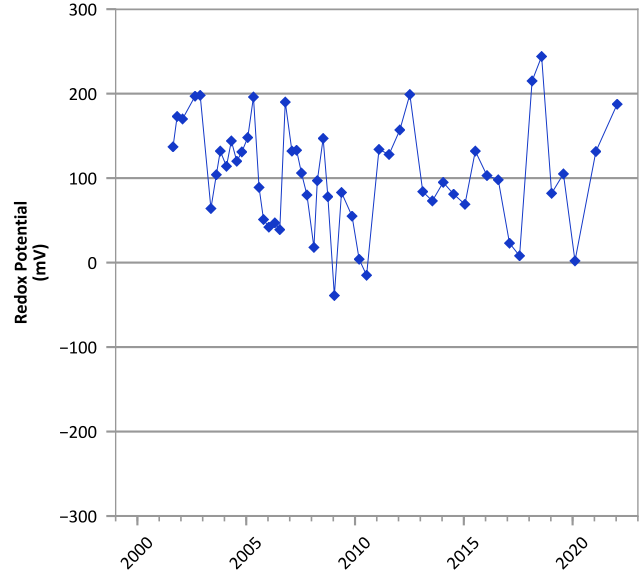
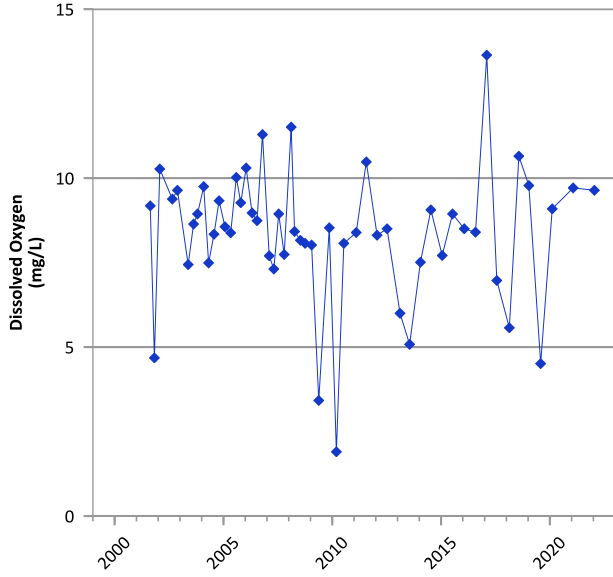
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

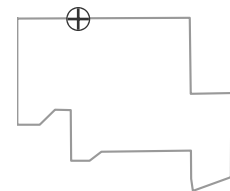


**PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/01/2000 to 01/18/2022  
 Analysis Date: 04/11/2023

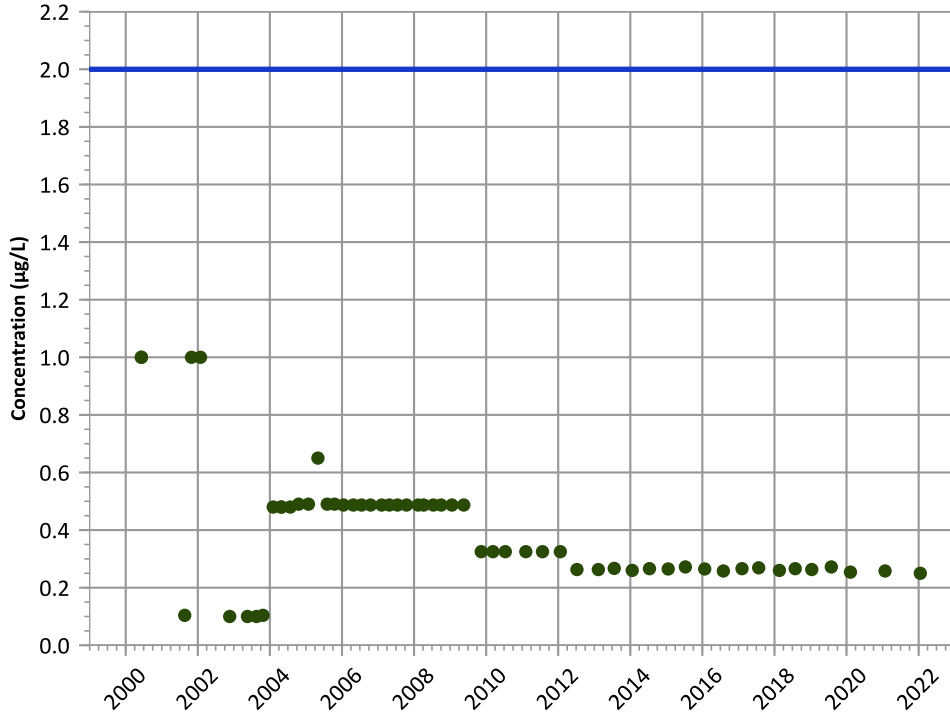
Well Location





PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

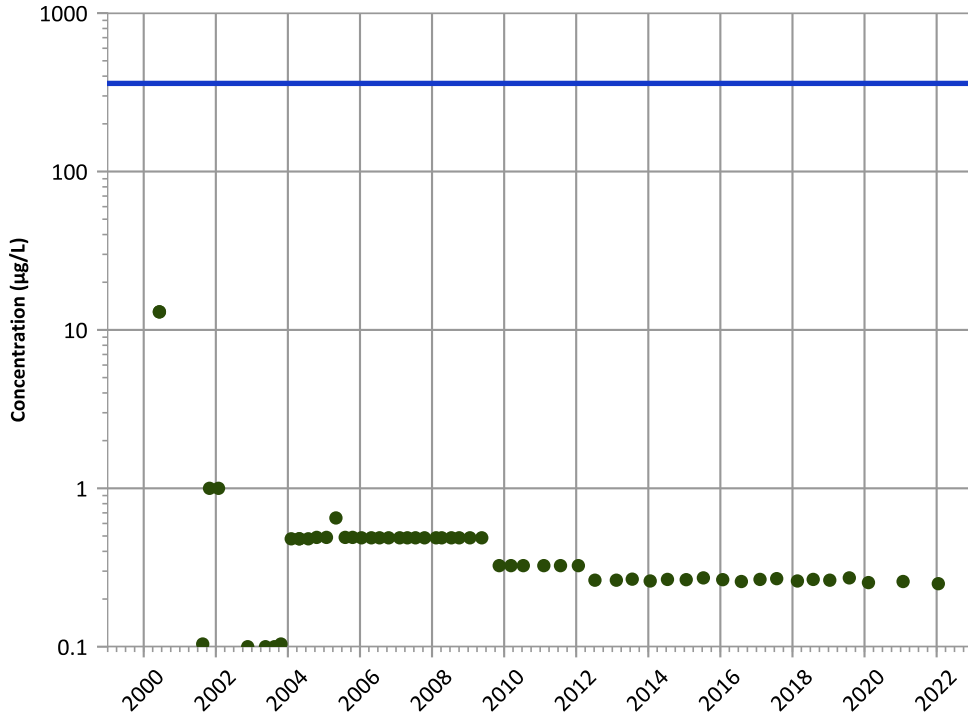
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

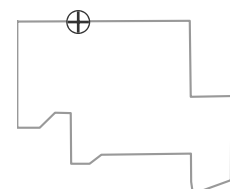
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

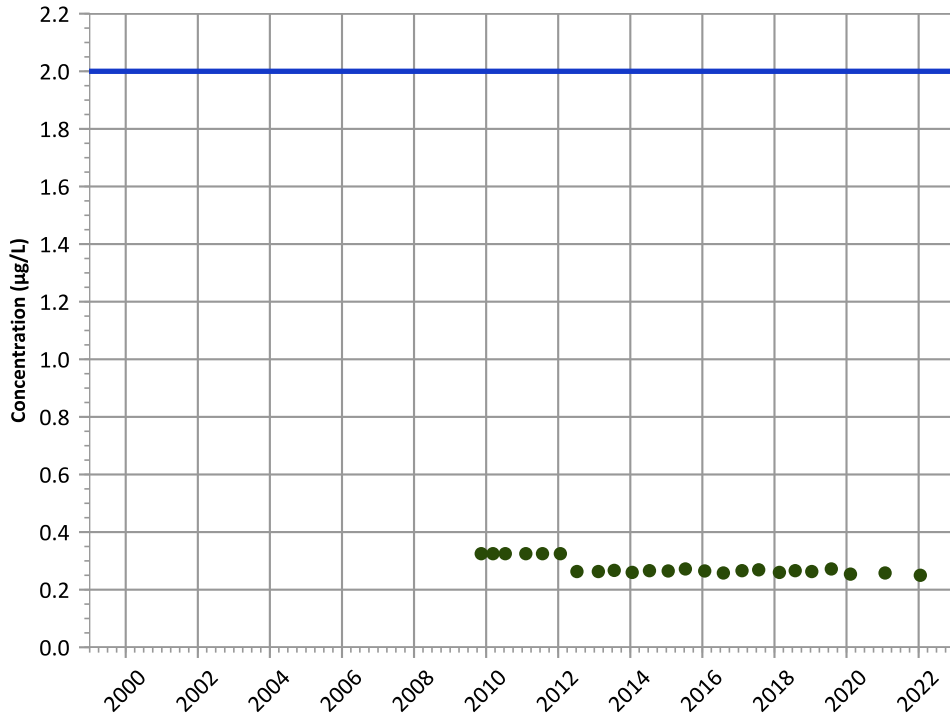
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

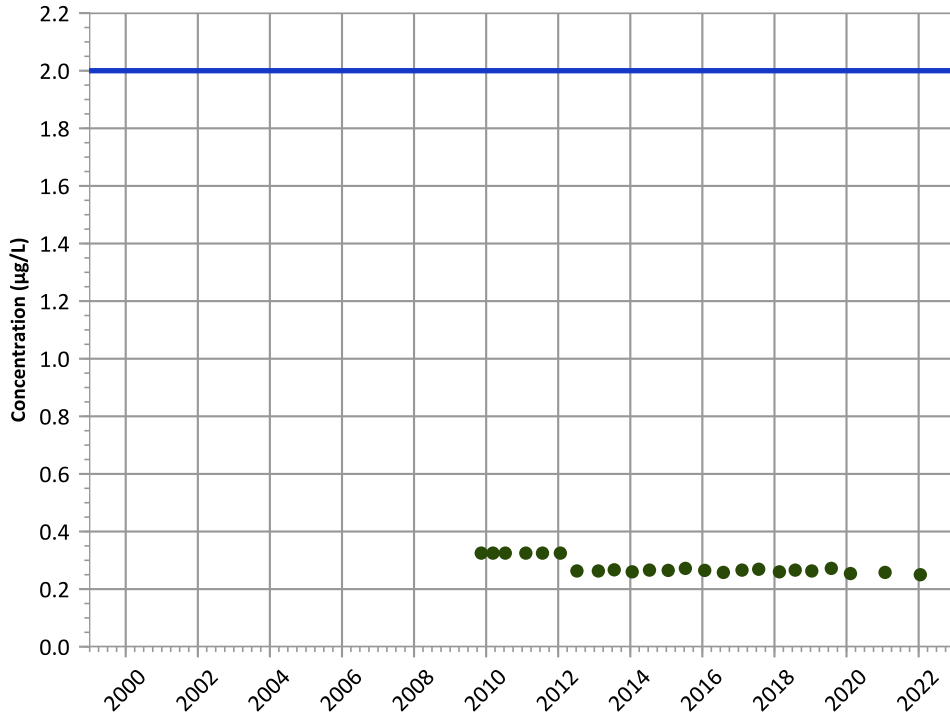
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

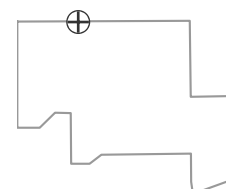
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

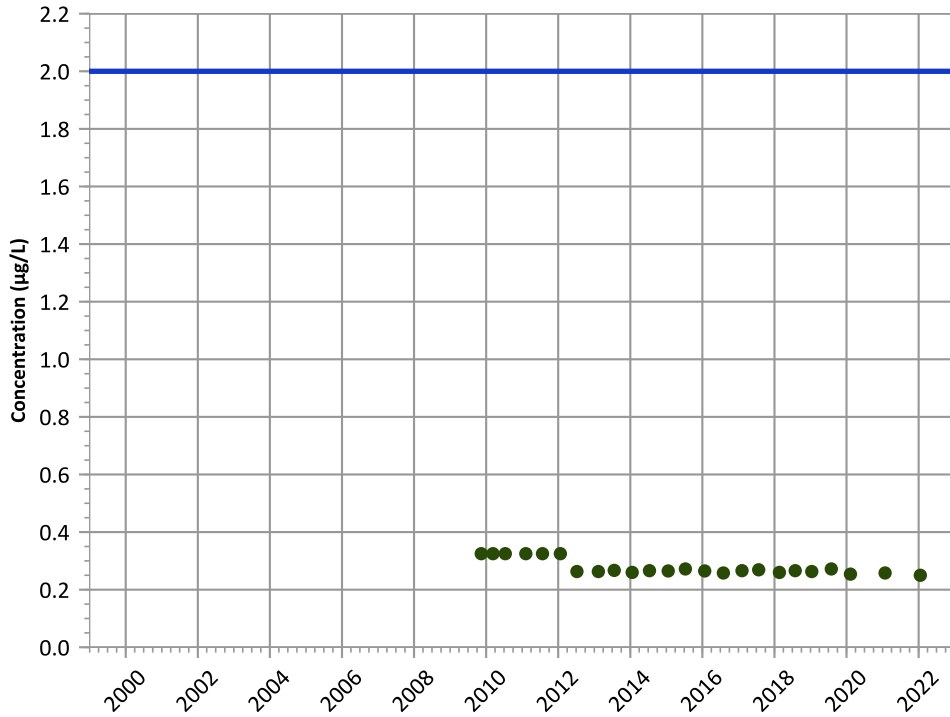
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

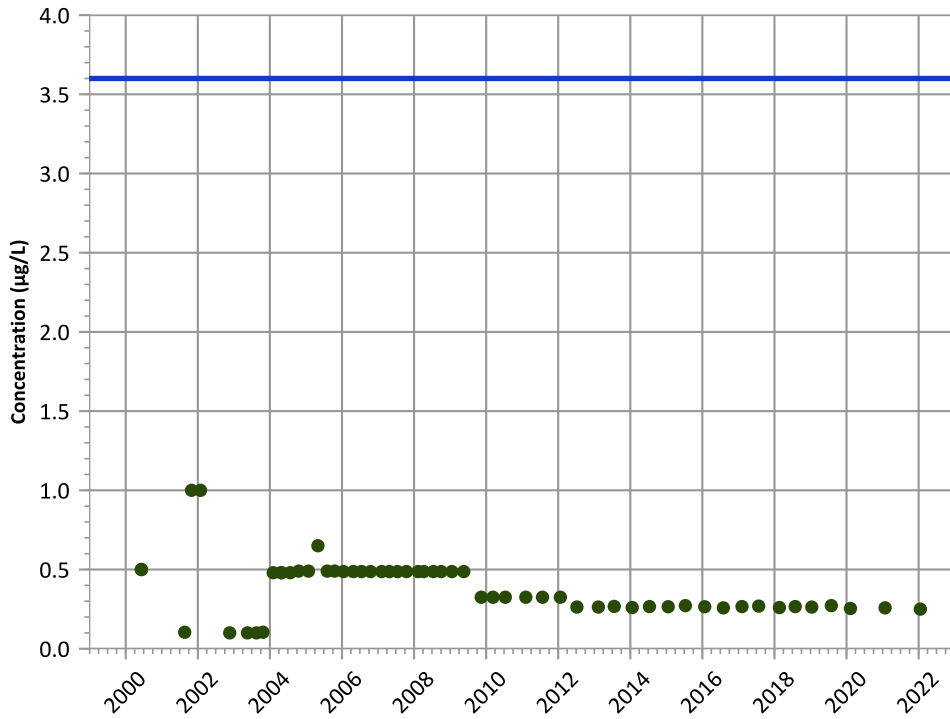
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

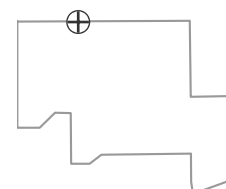
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

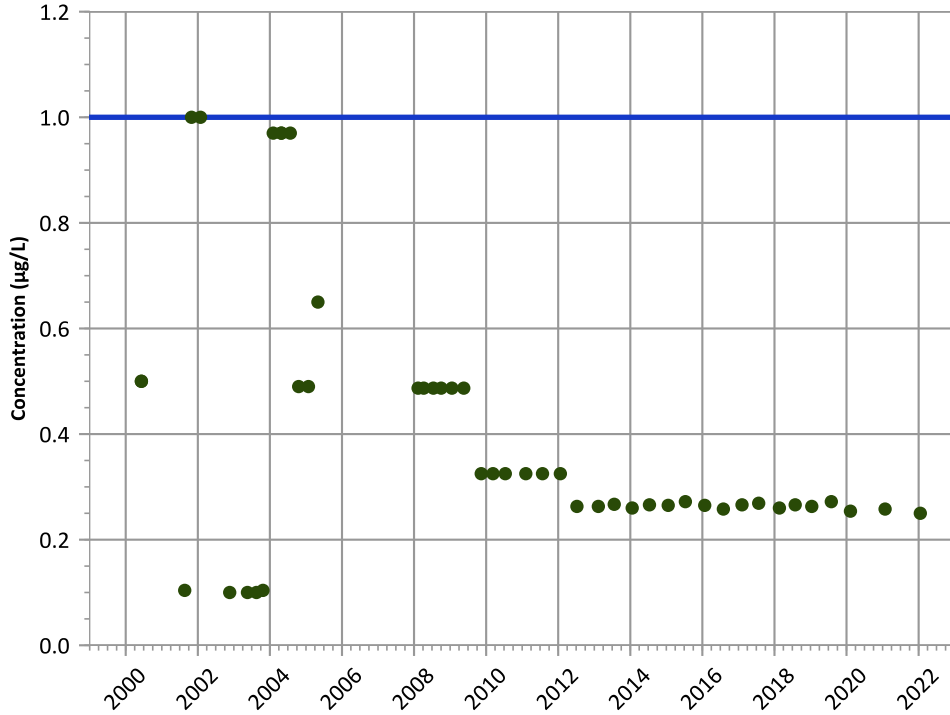
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

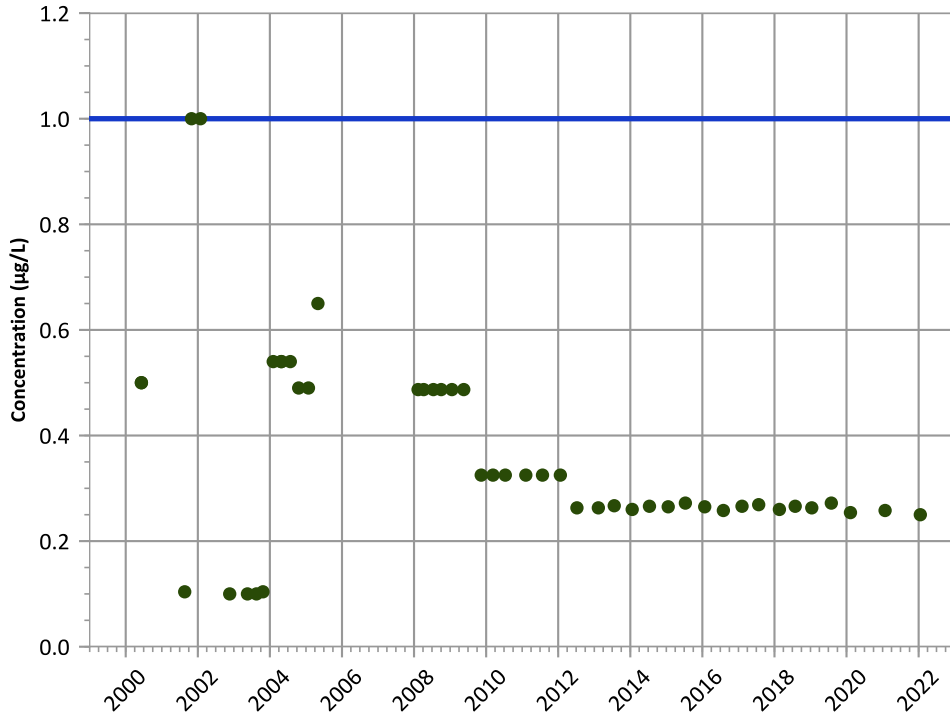
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

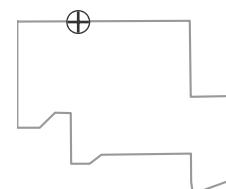
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

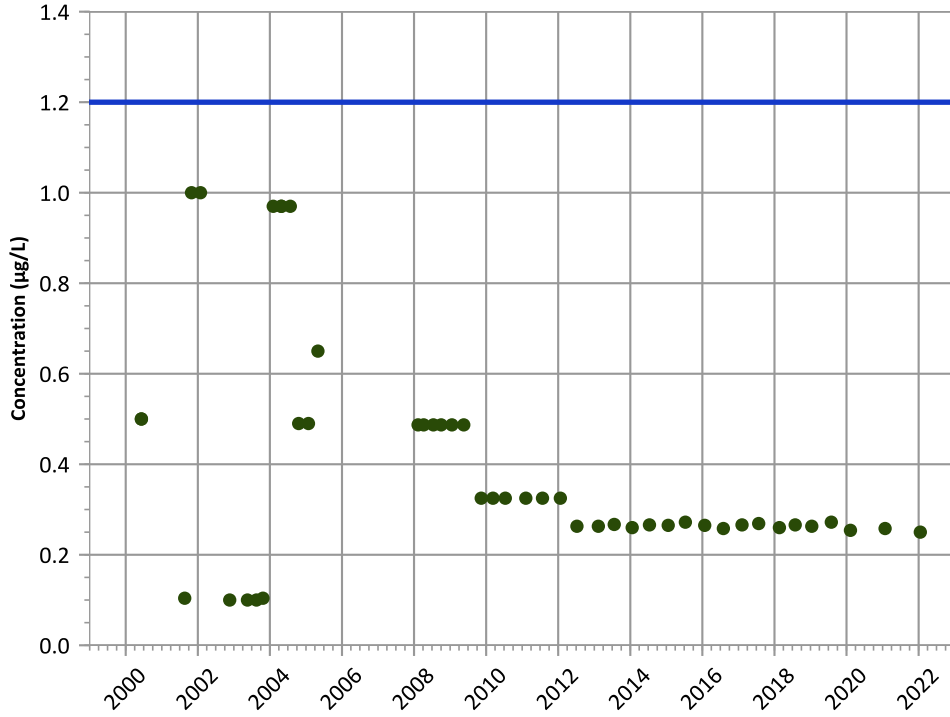
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

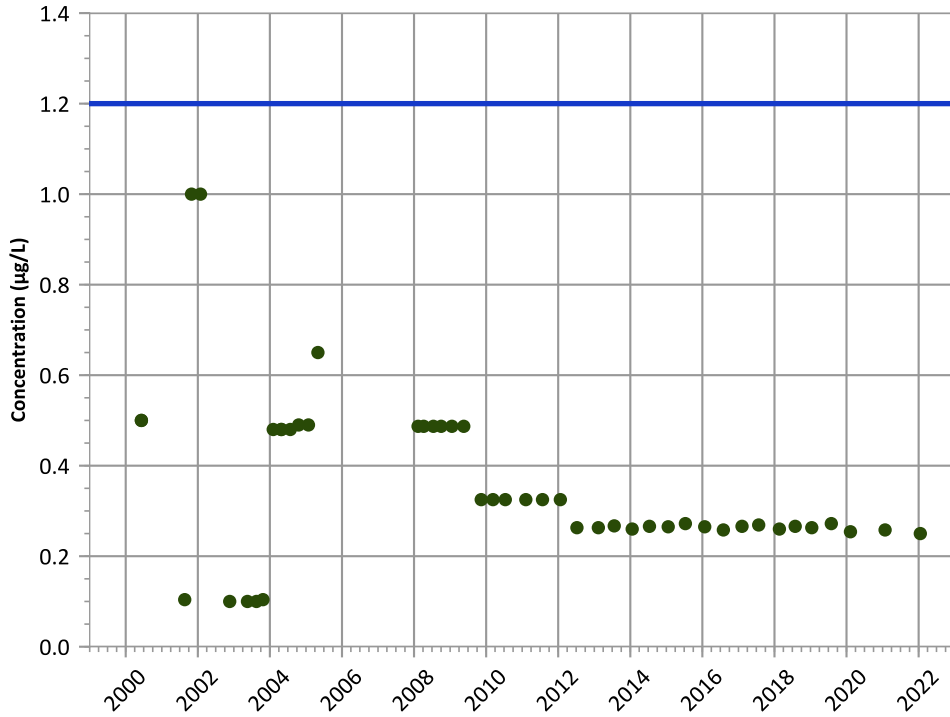
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

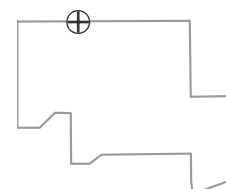
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

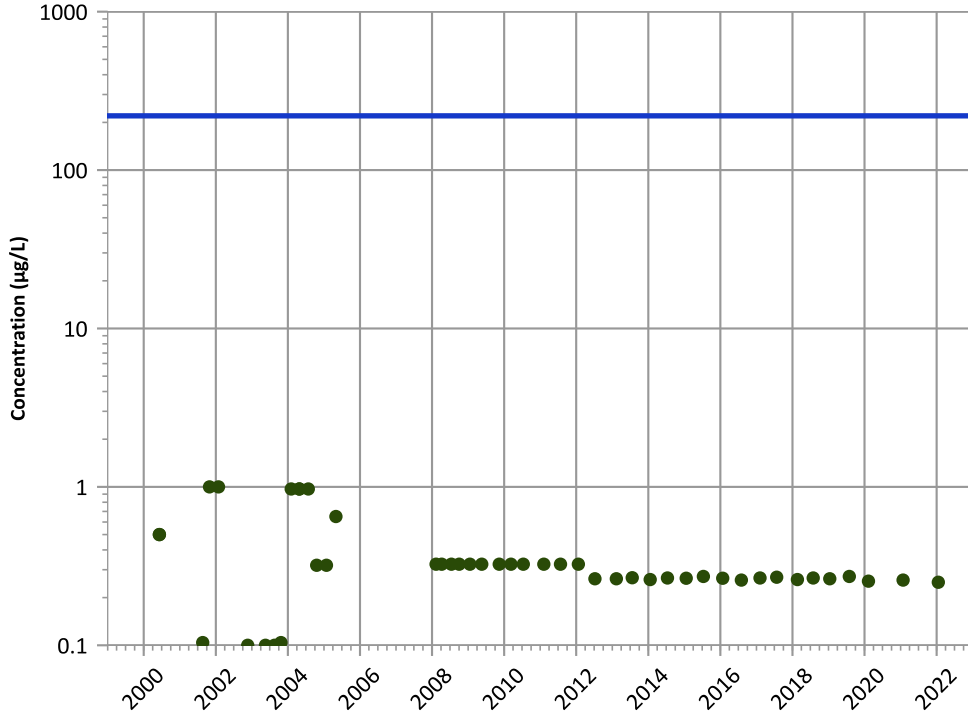
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

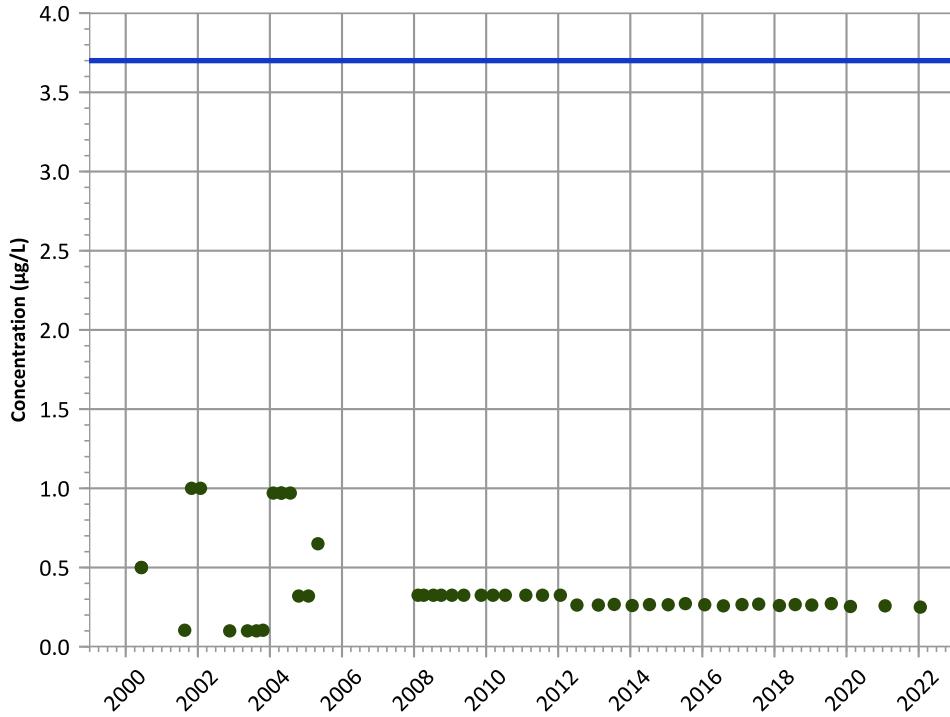
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

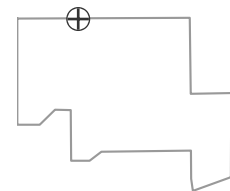
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

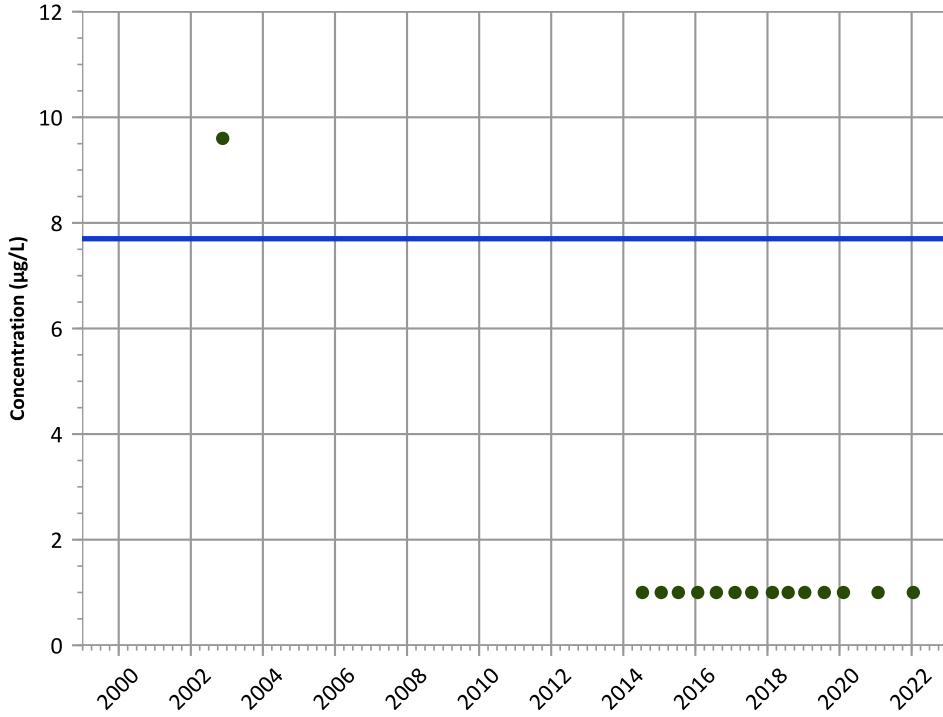
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

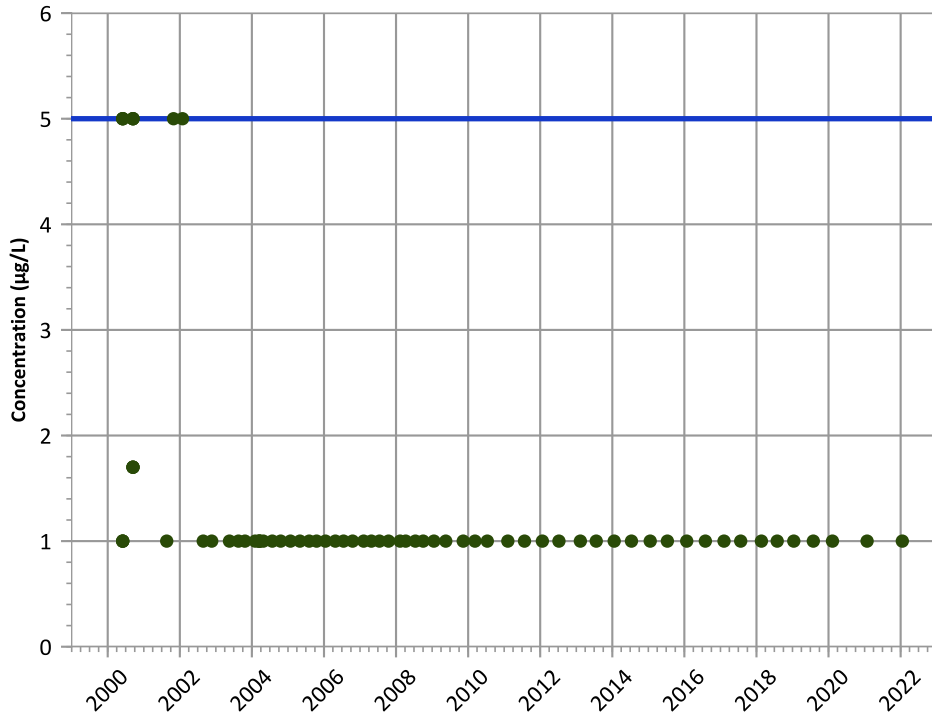
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

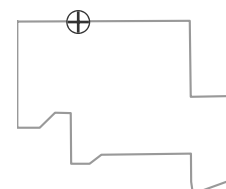
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

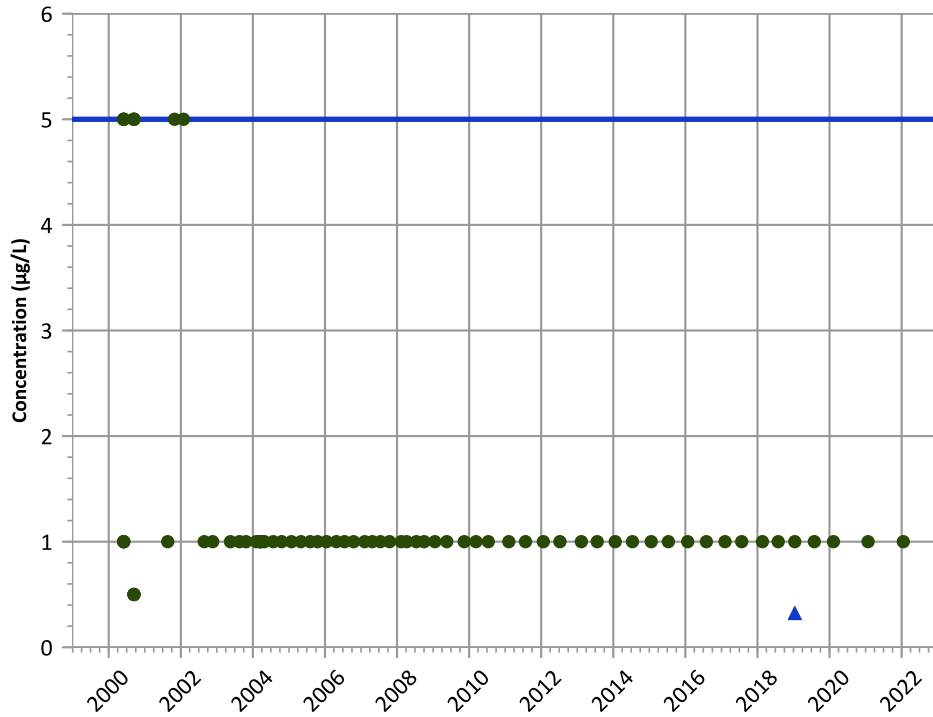
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

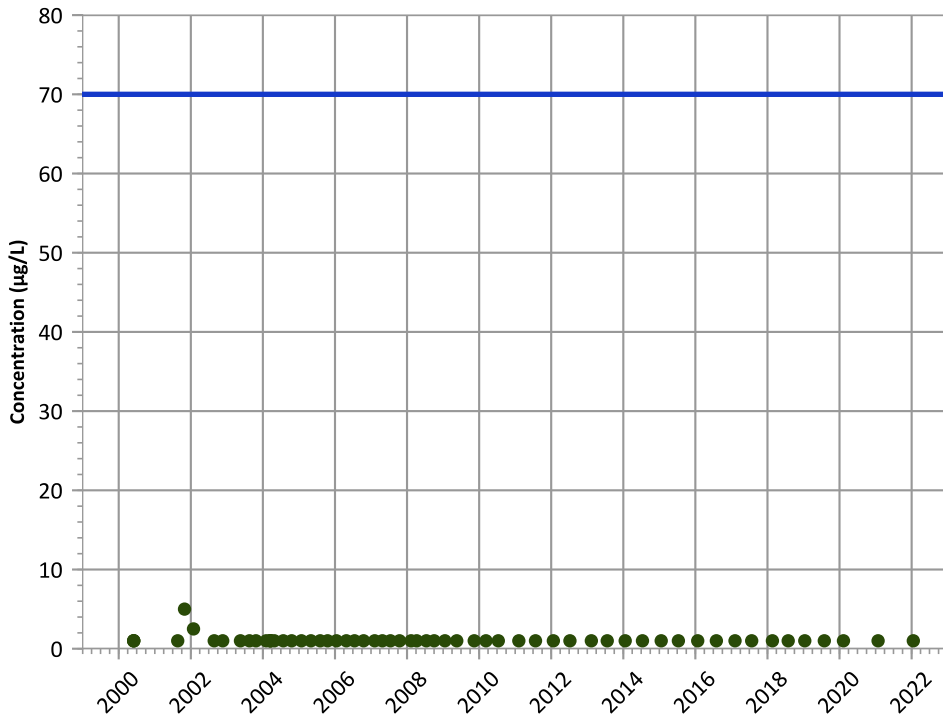


Concentration Trend

**MAROS Mann-Kendall Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

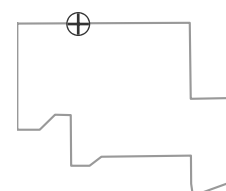
**MAROS Mann-Kendall Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

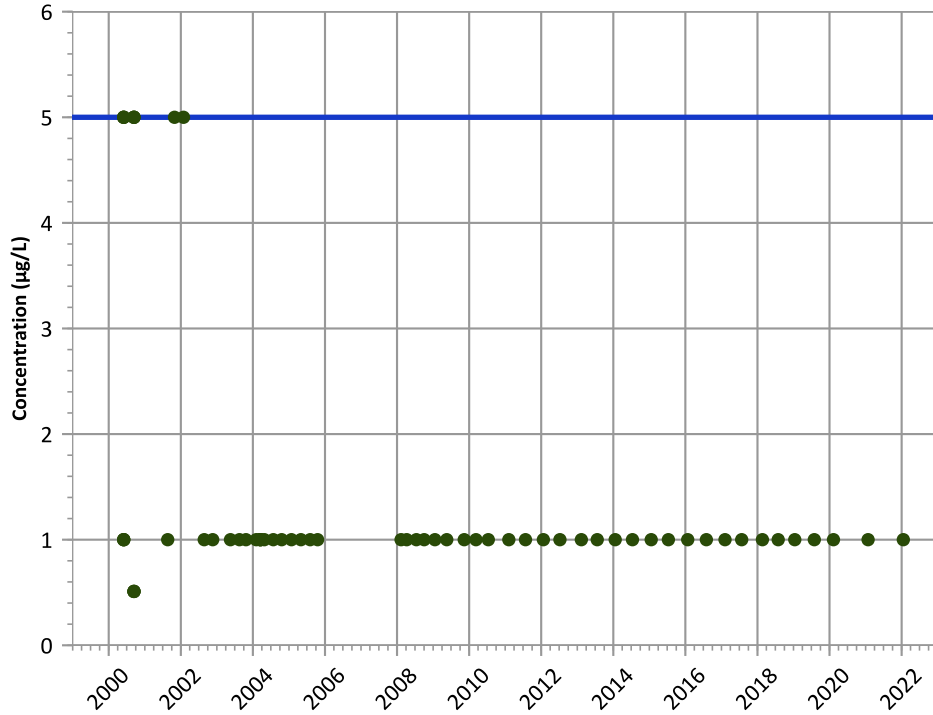
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

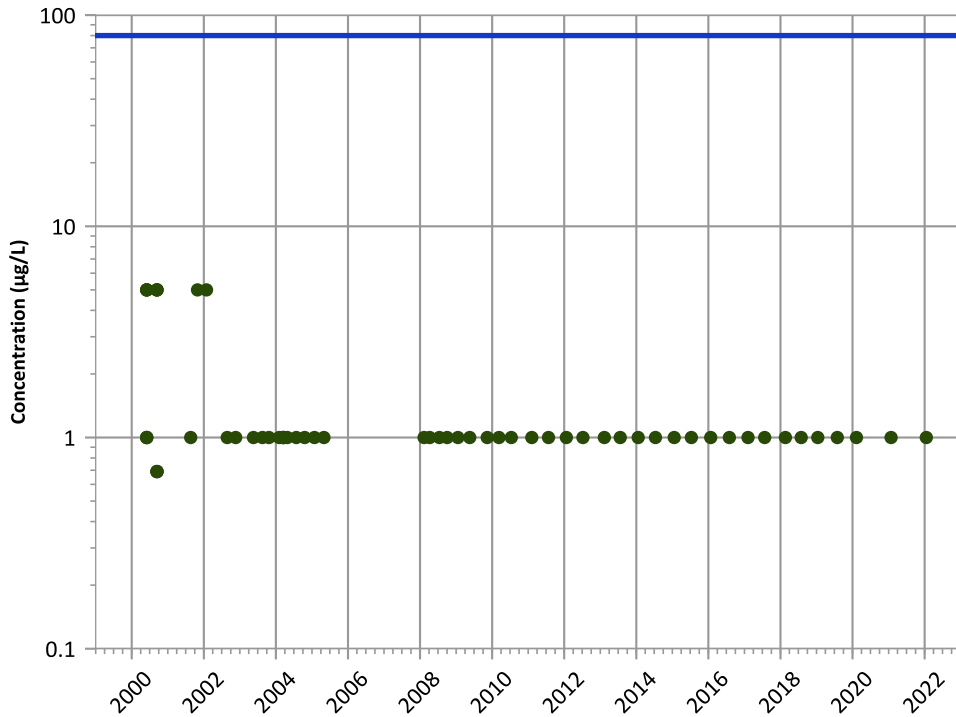
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

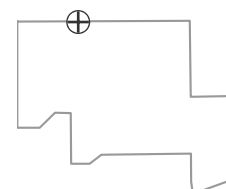
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

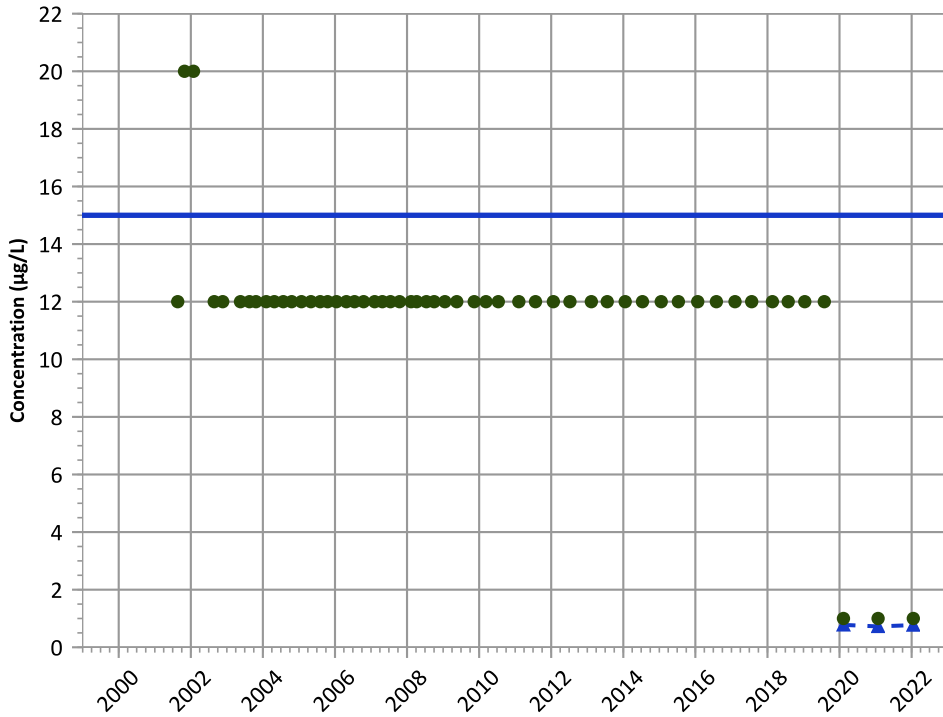
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

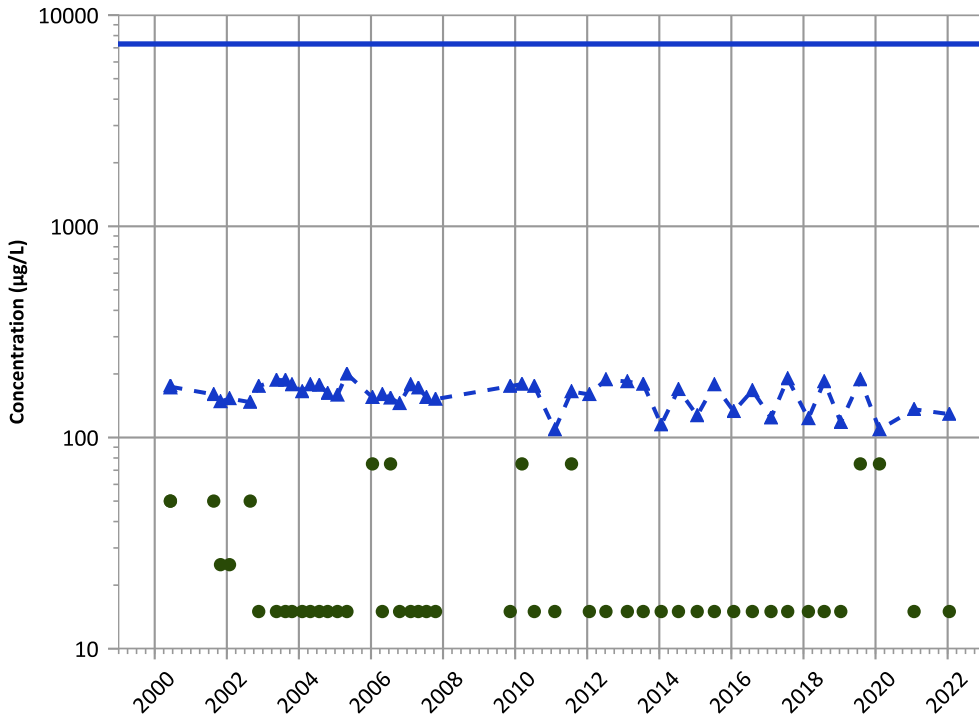
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

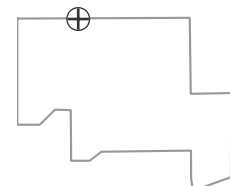
**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

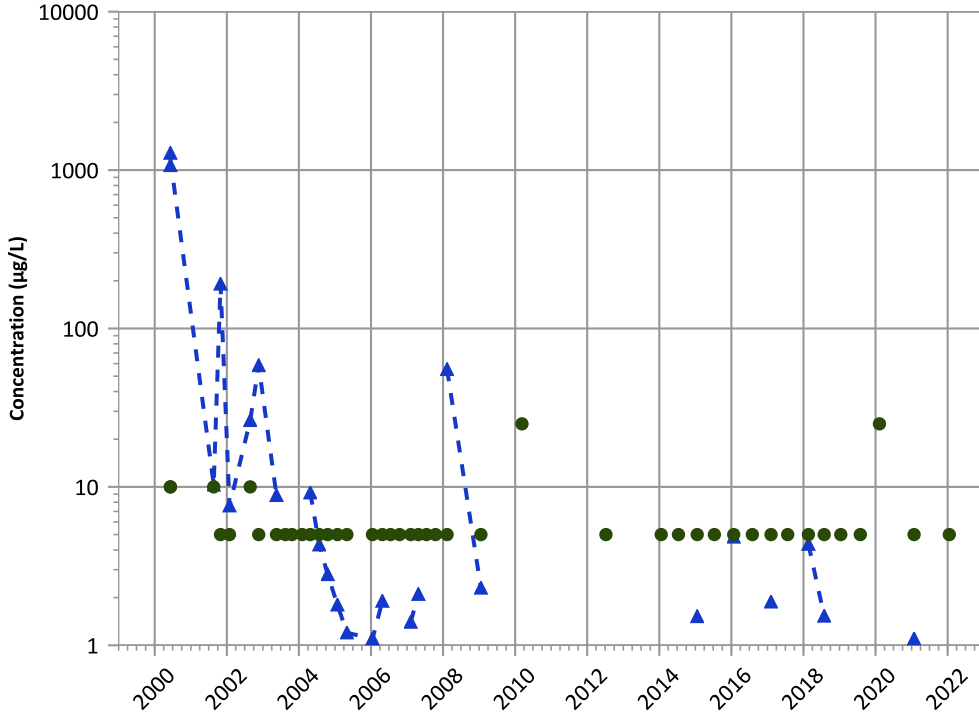
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

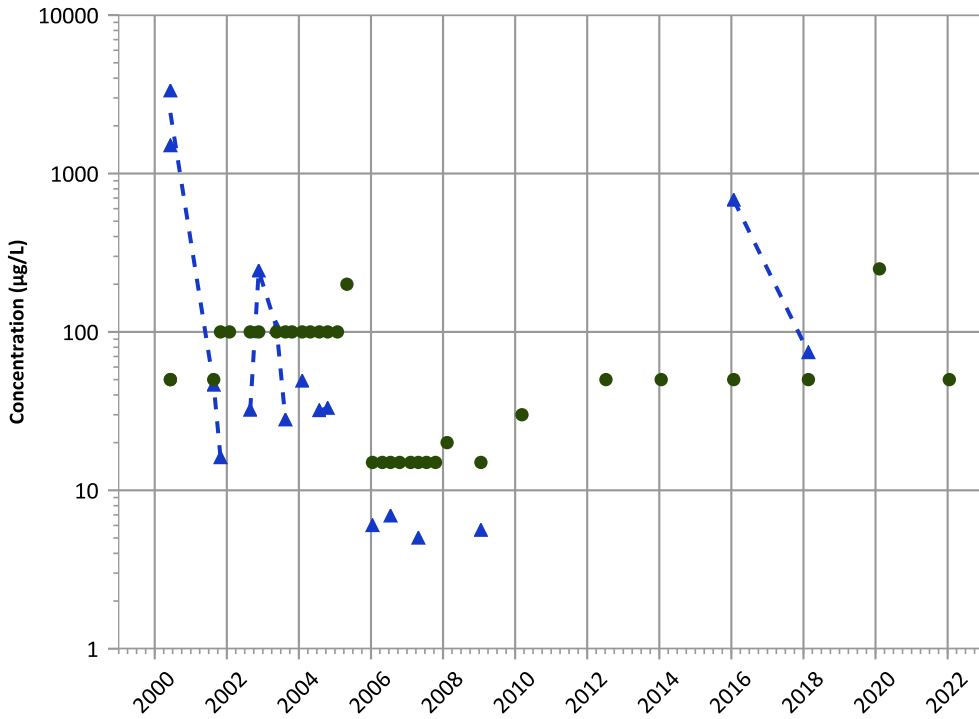
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

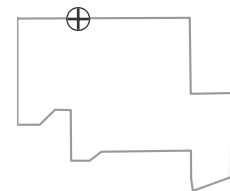
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

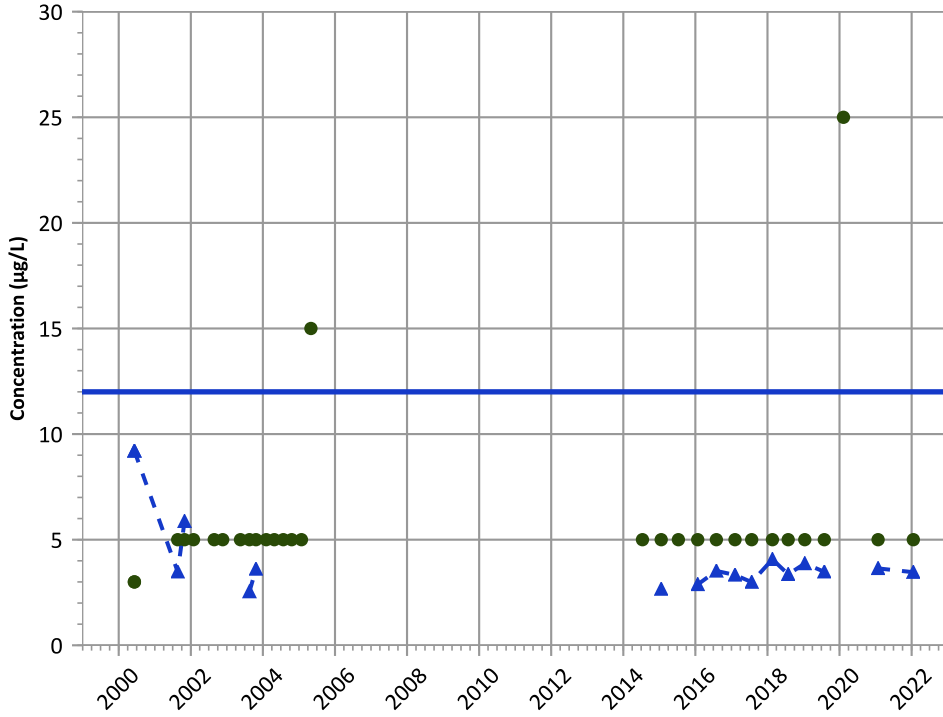
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

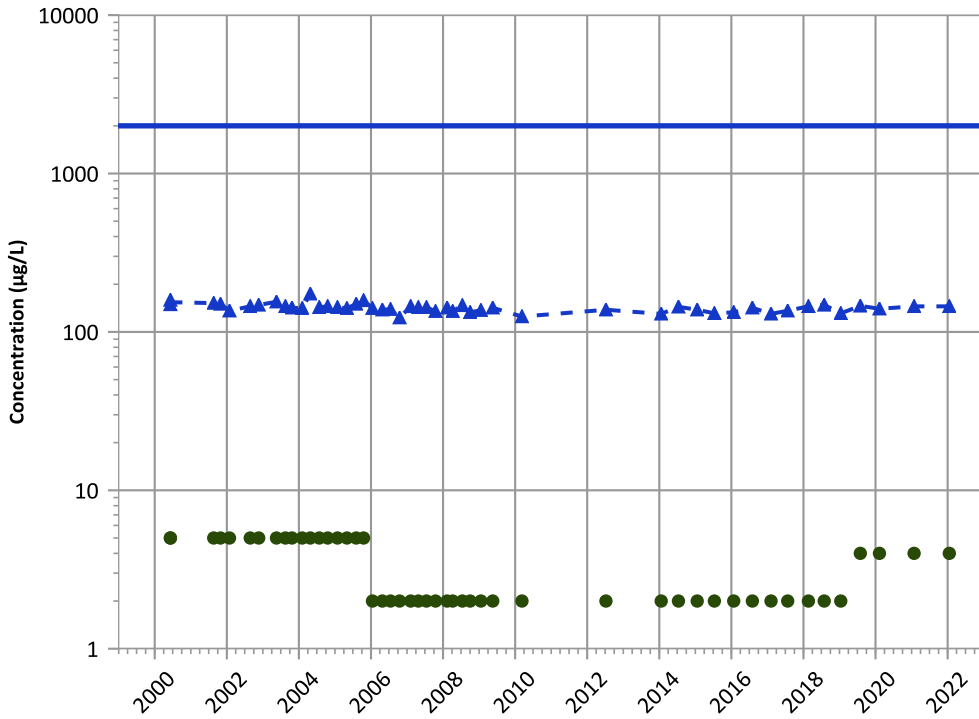
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Probably Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

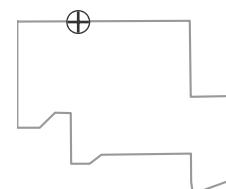
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

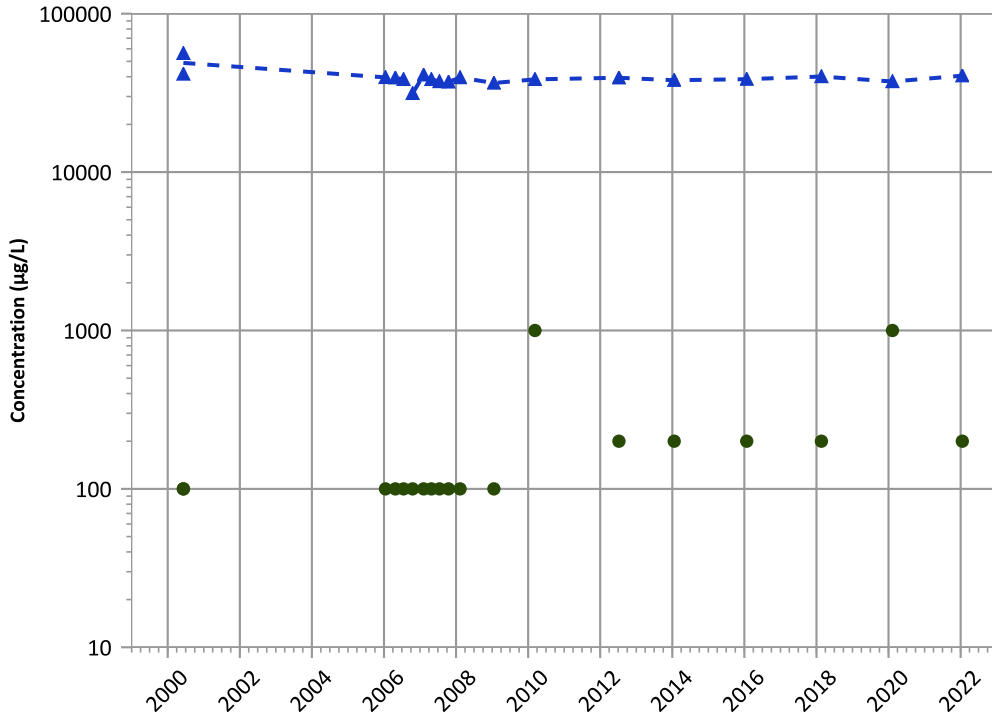
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

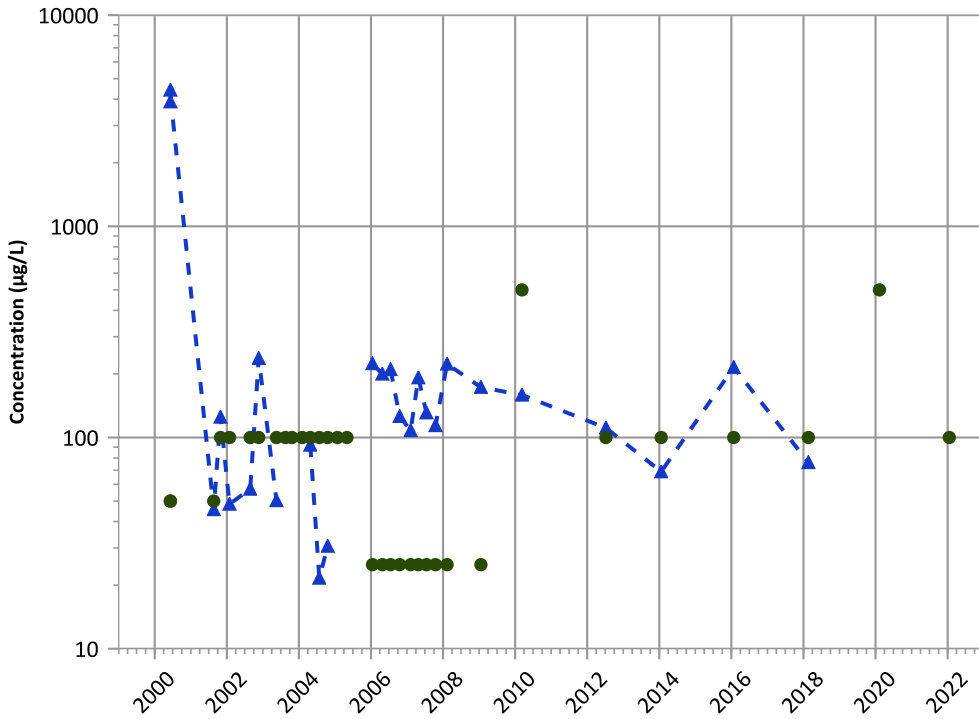
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Probably Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

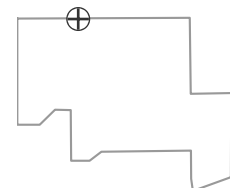
MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

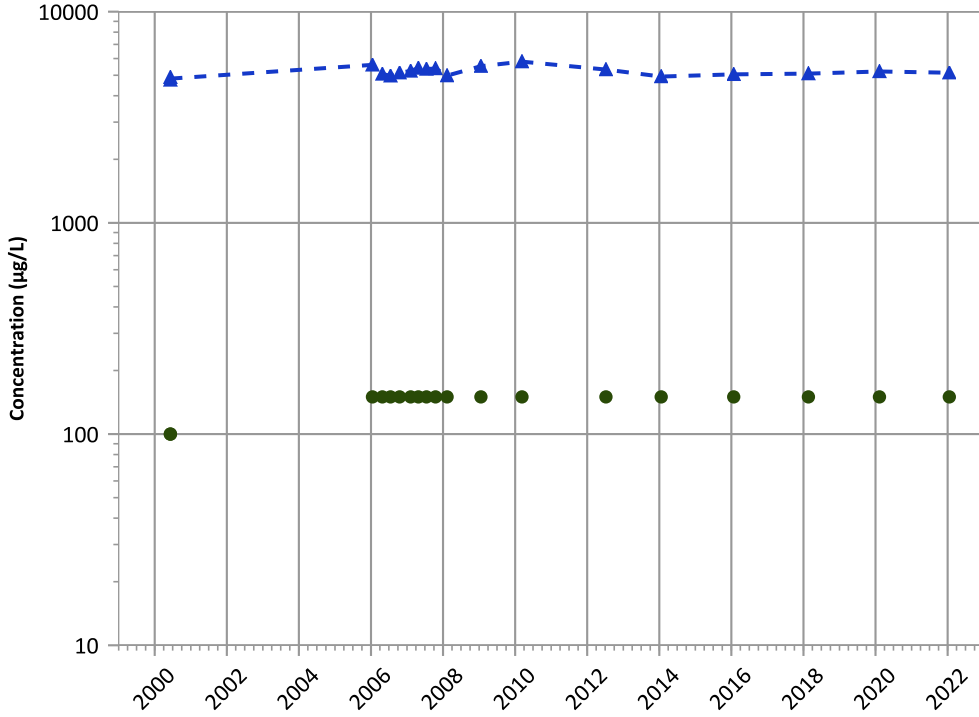
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

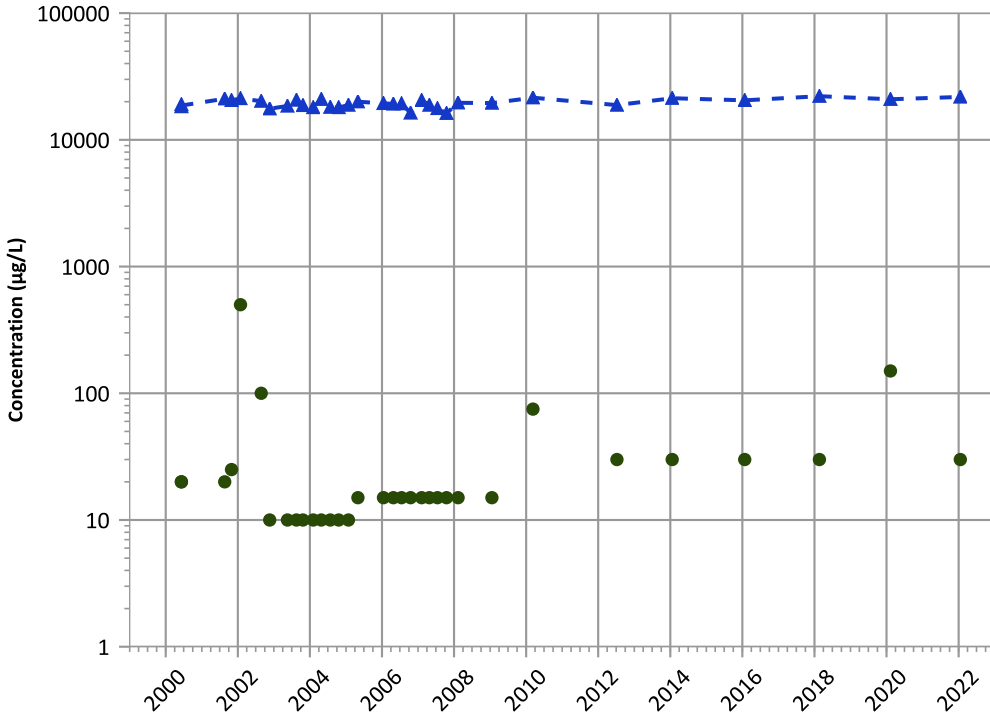
MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Probably Increasing  
2020 - 2022 Data:  
No Trend

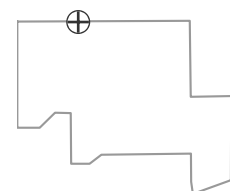
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

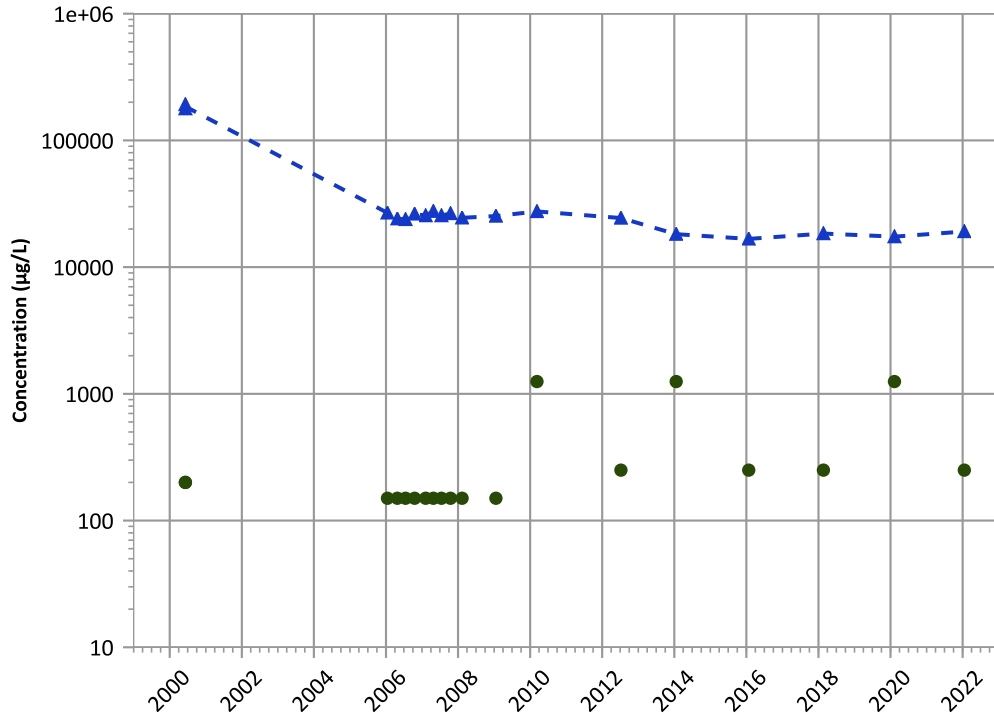
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1013 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Sodium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: No Trend

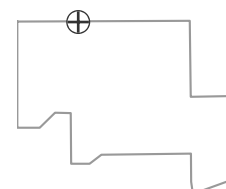
**MAROS Linear Regression Method**

All Data: Decreasing  
2020 - 2022 Data: No Trend

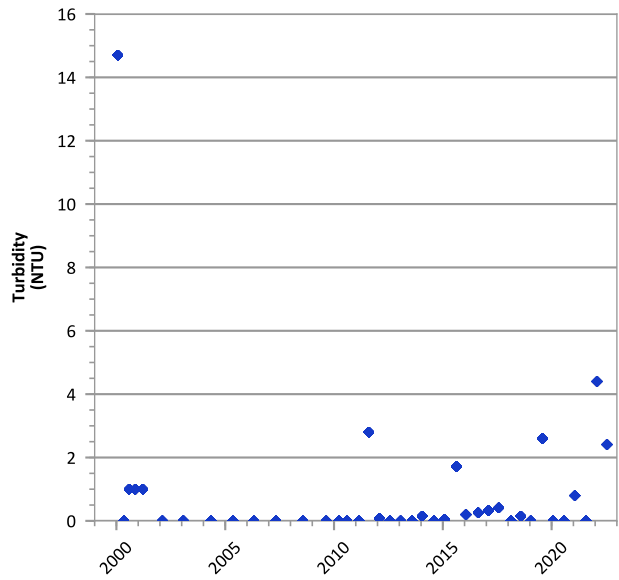
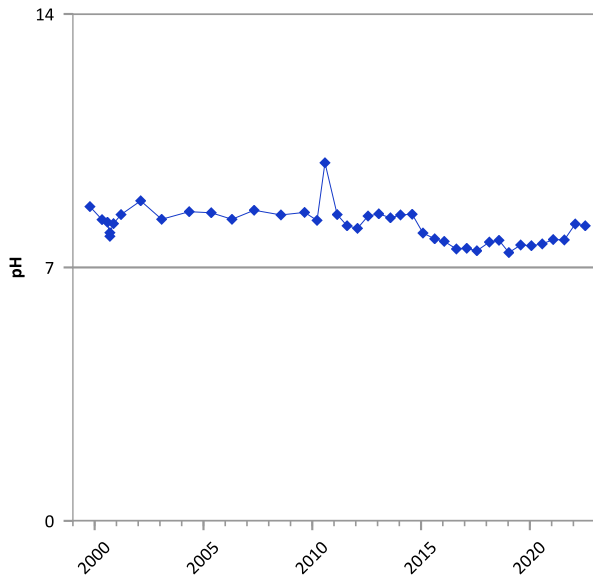
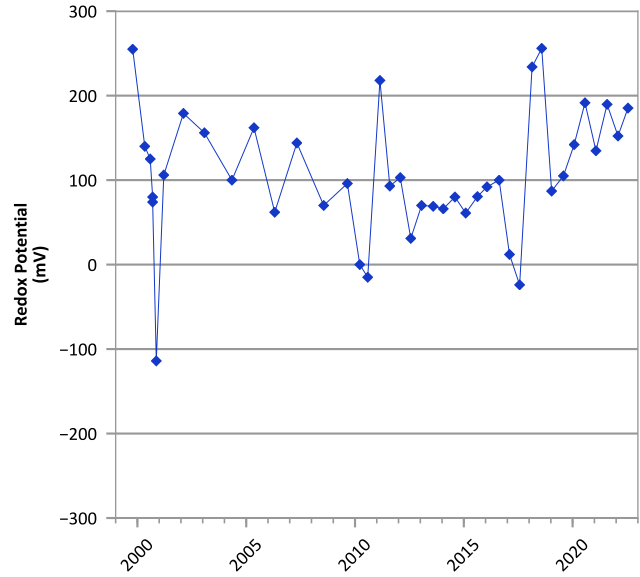
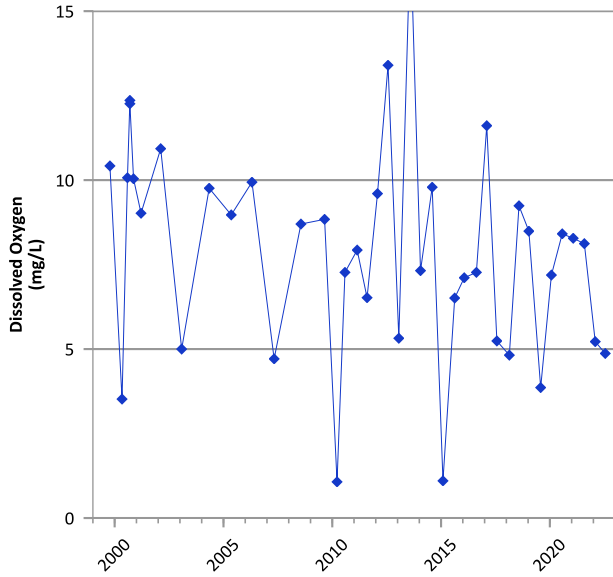
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/01/2000 to 01/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

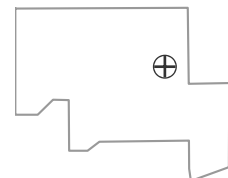


**PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/14/1999 to 07/19/2022  
 Analysis Date: 04/11/2023

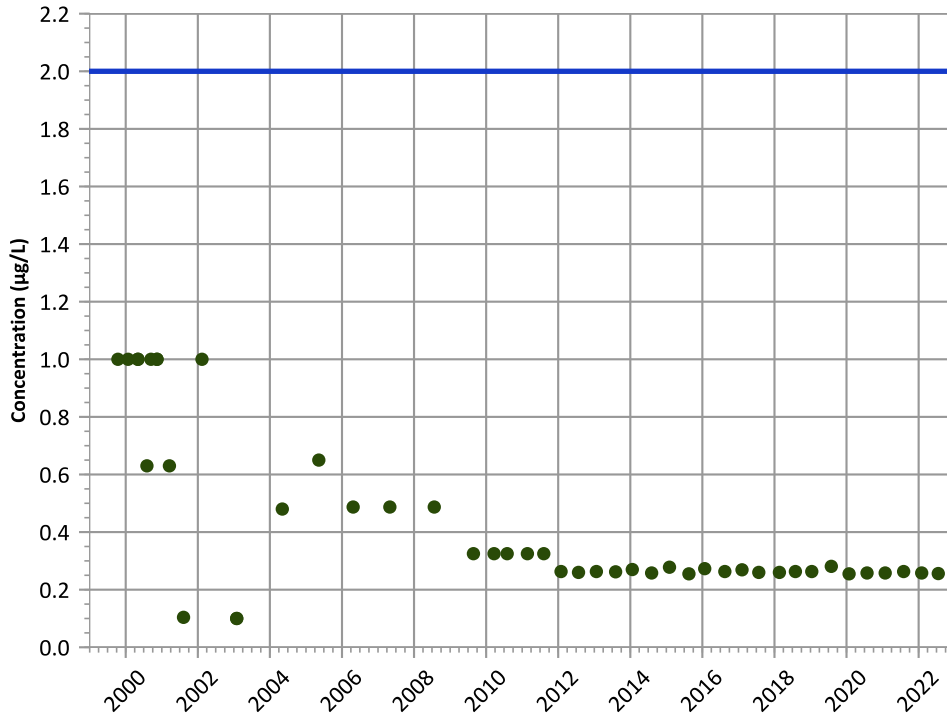
**Well Location**





PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

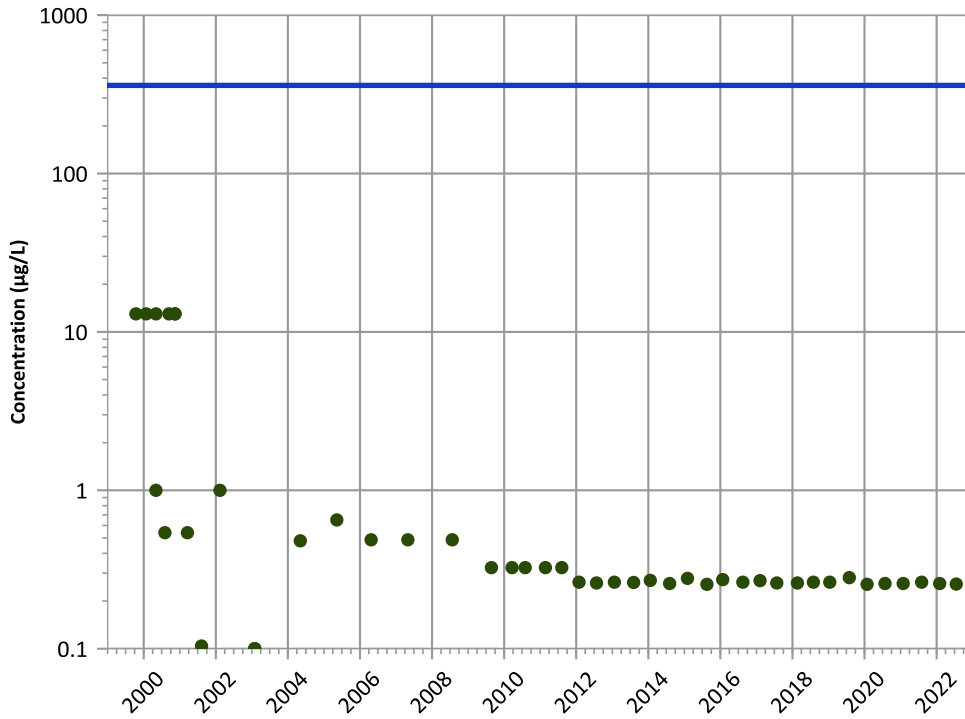
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

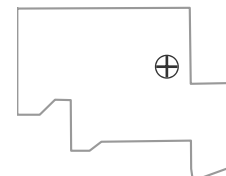
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

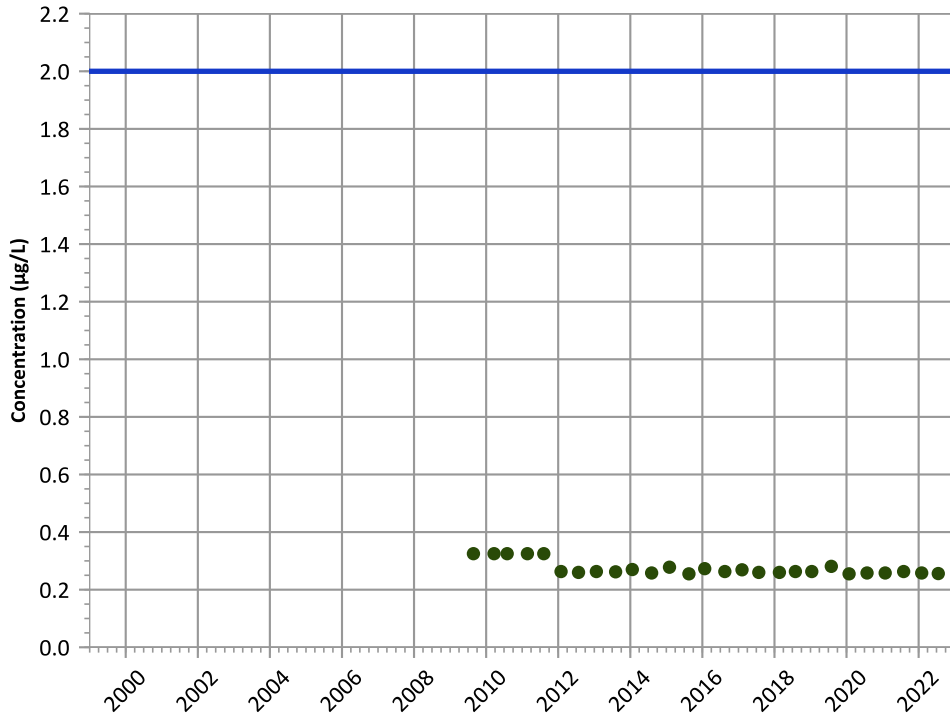
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

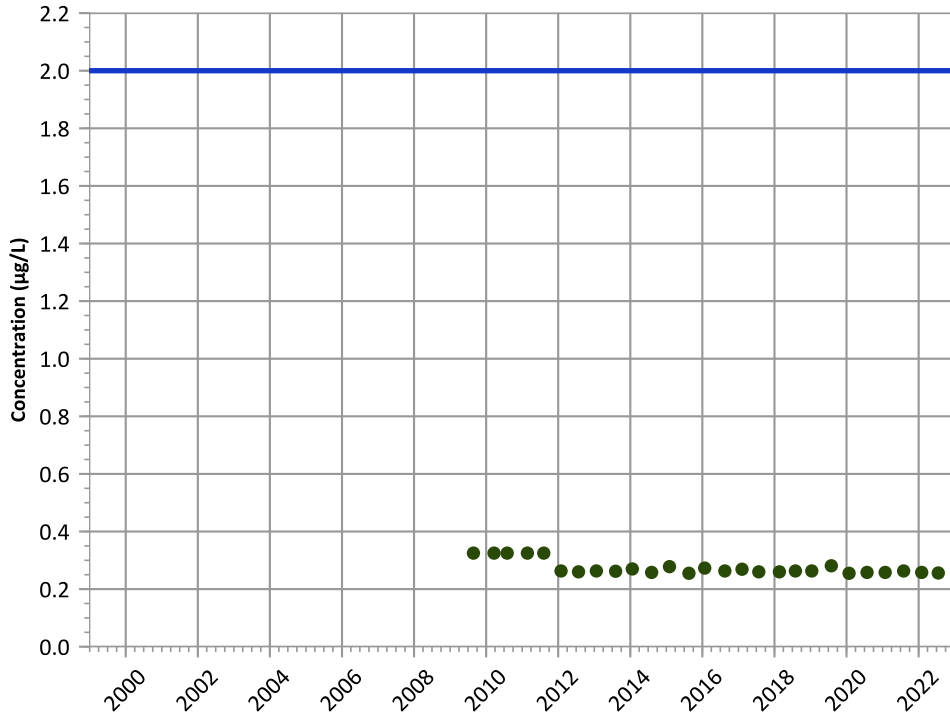
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

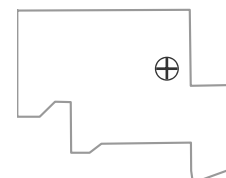
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

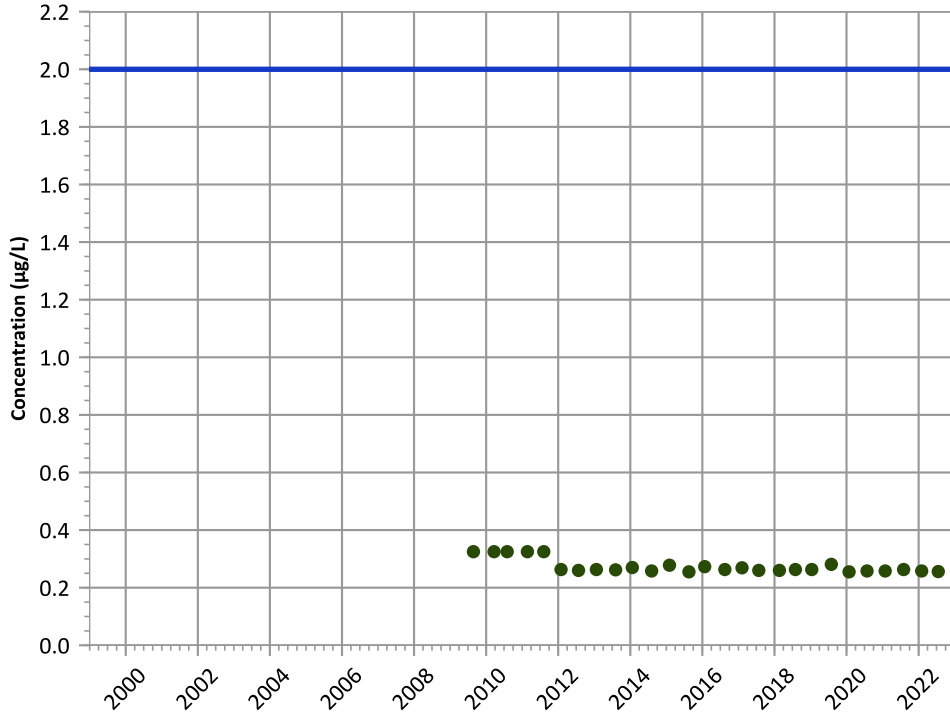
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

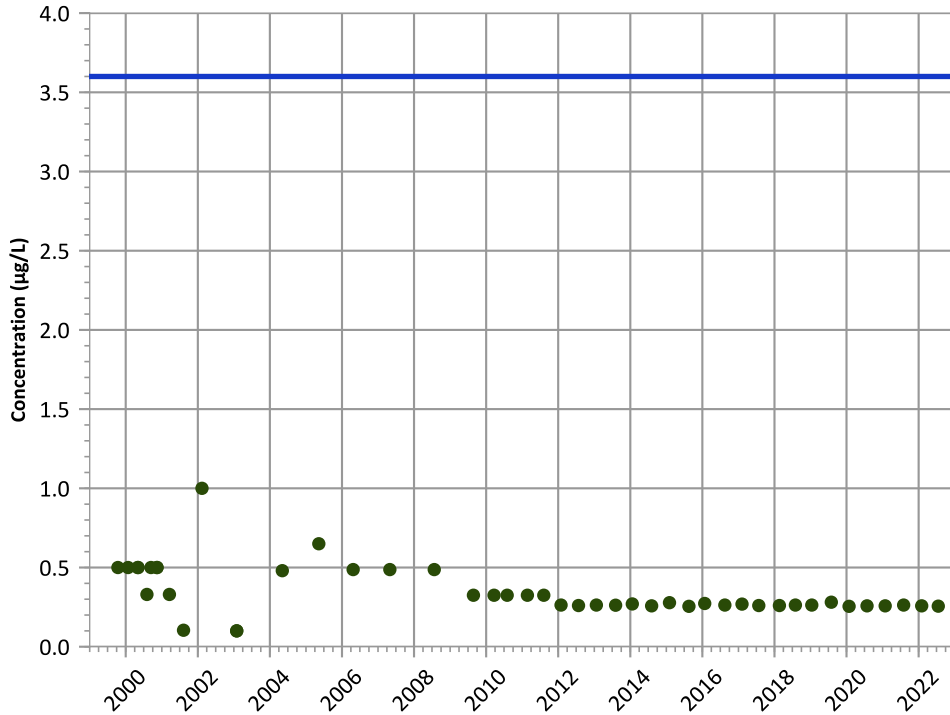
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

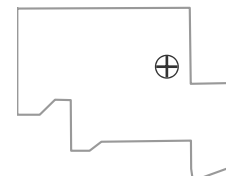
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

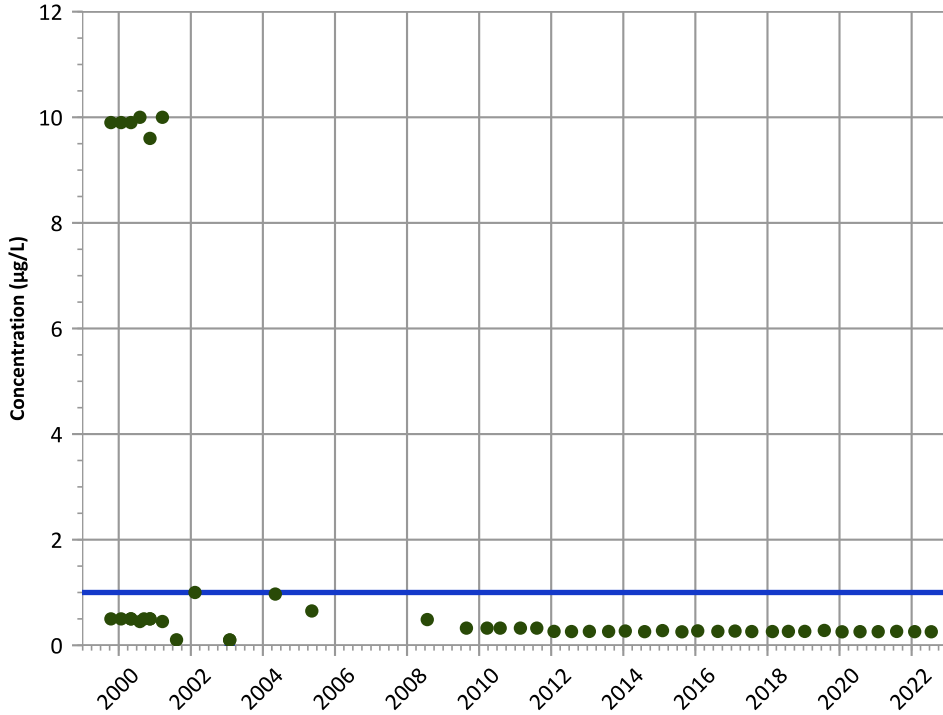
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

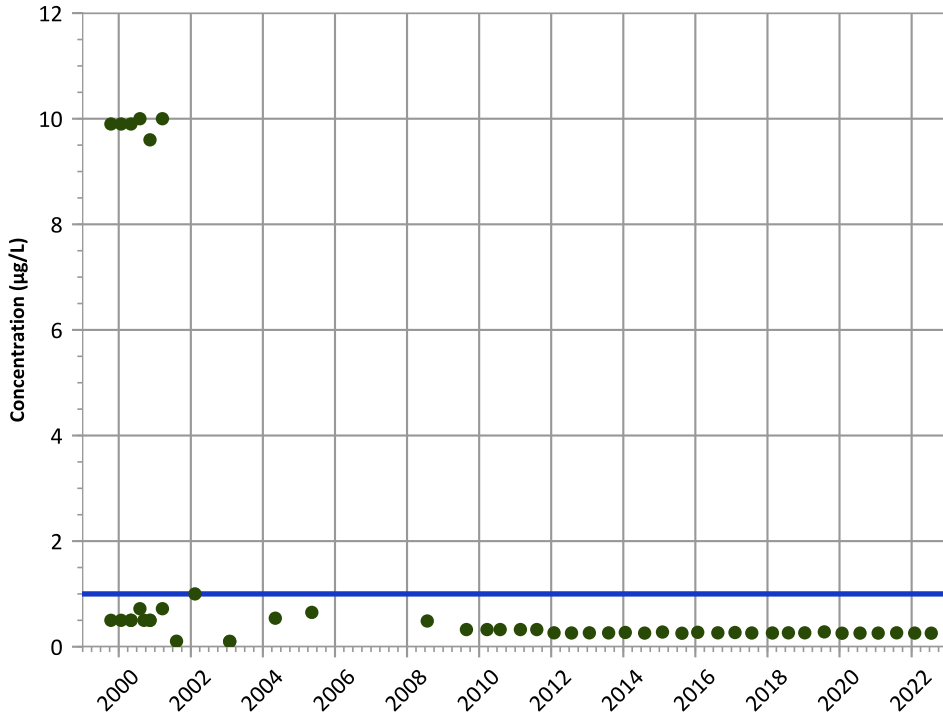
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

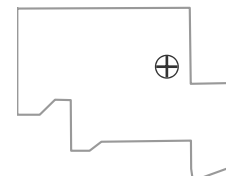
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

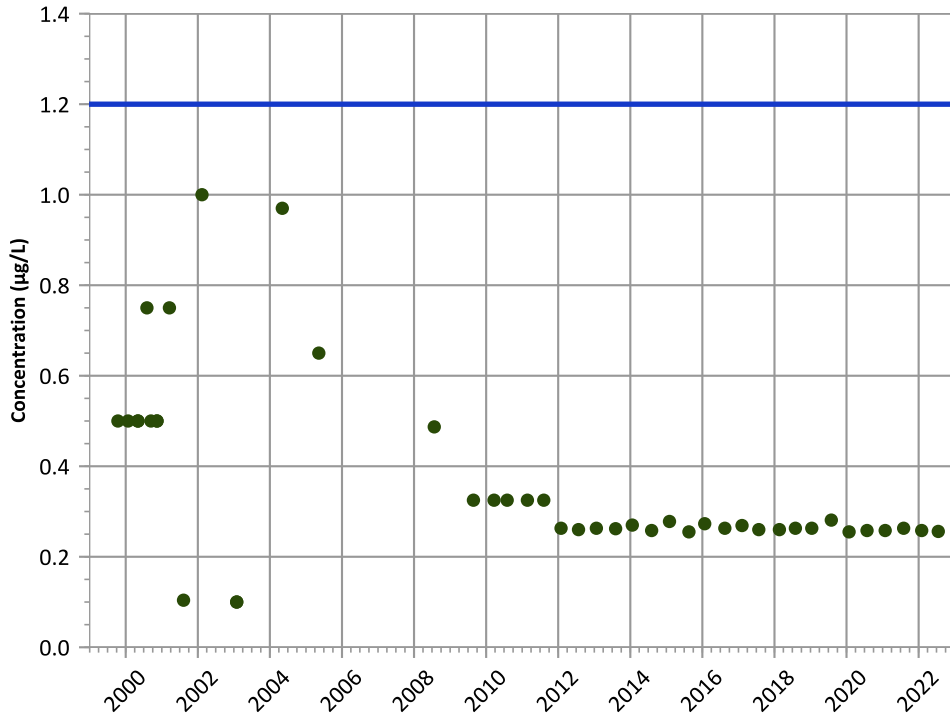
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

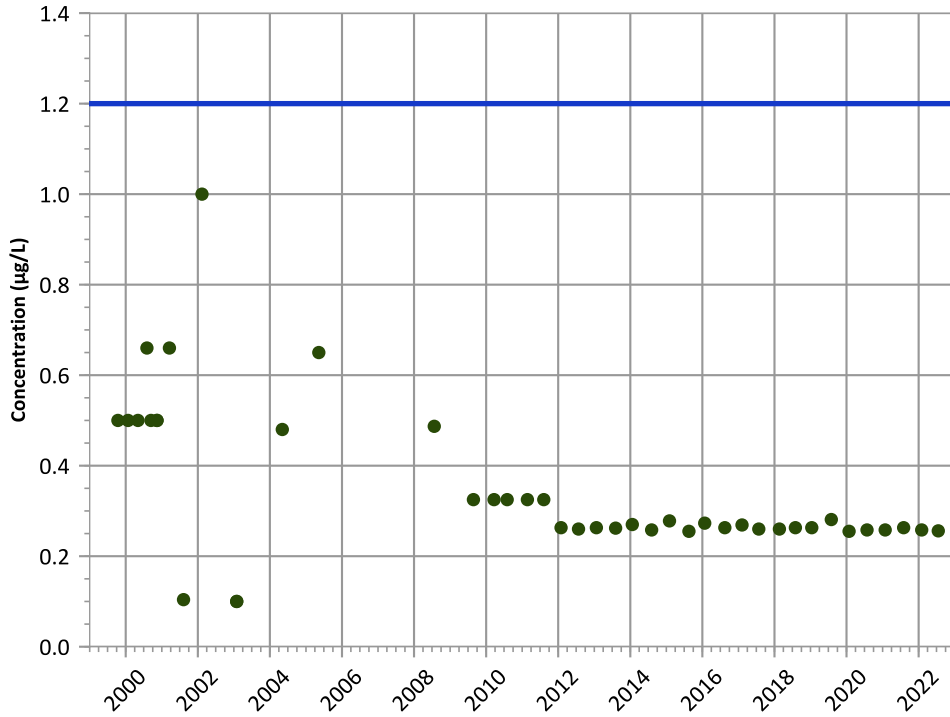
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

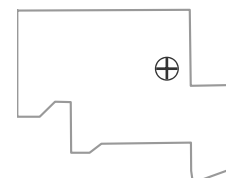
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

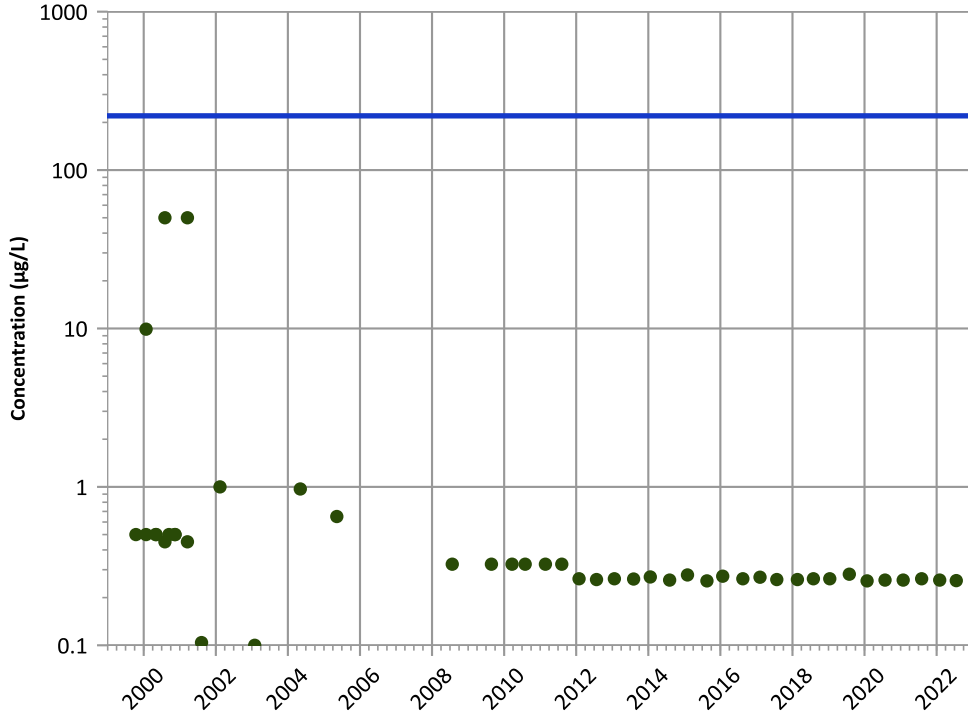
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

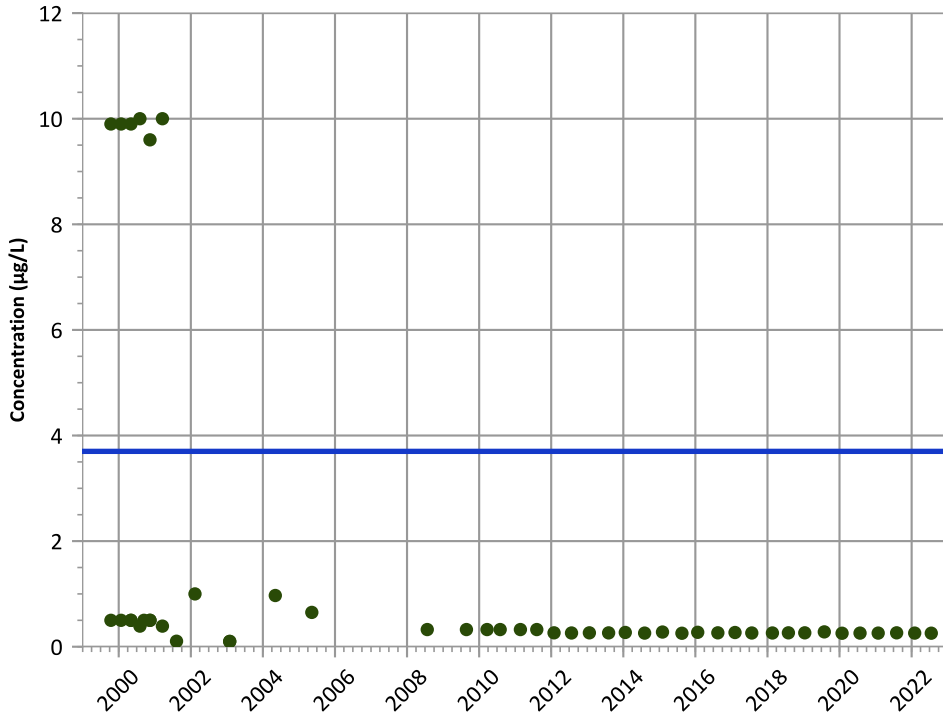
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

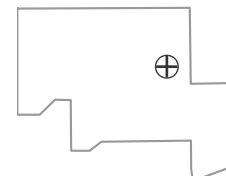
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

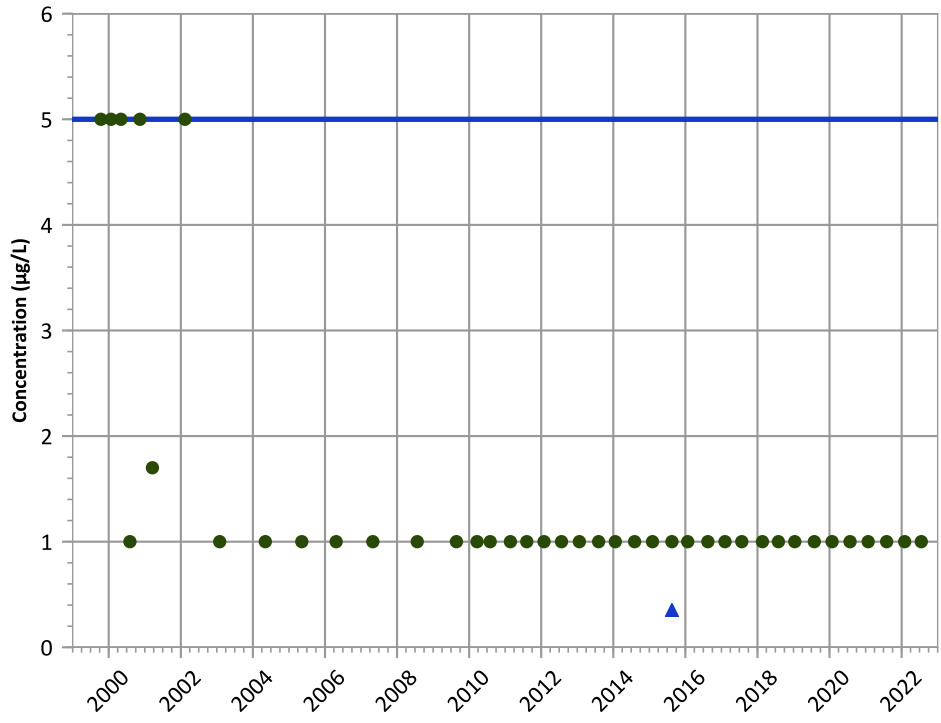
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

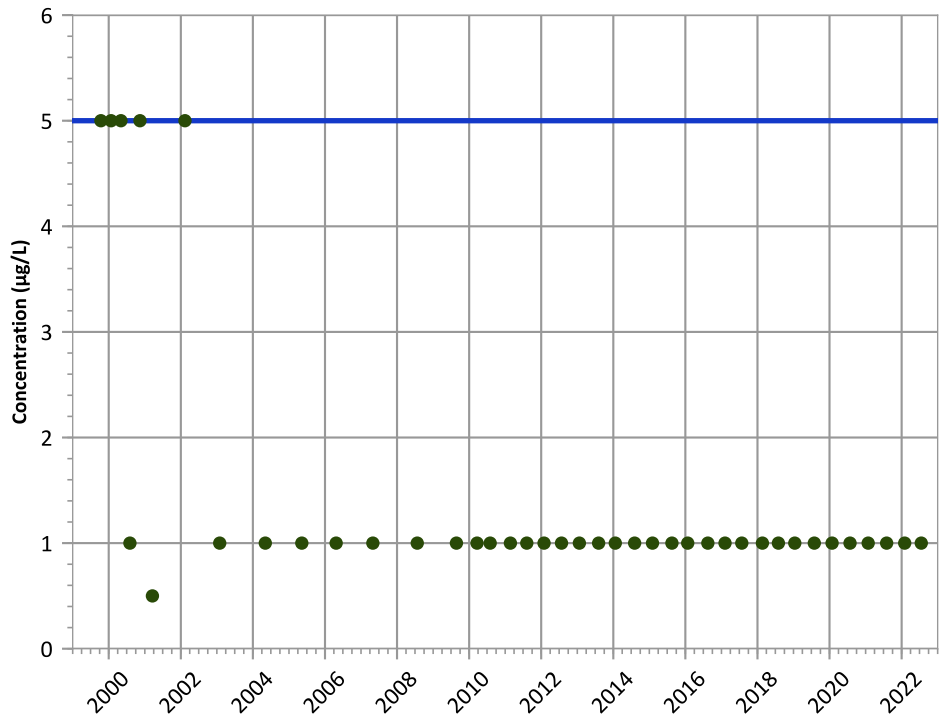


**Concentration Trend**

**MAROS Mann-Kendall Method**  
 All Data: N/A (<4 Detections in Dataset)  
 2020 - 2022 Data: All Non-Detect

**MAROS Linear Regression Method**  
 All Data: N/A (<4 Detections in Dataset)  
 2020 - 2022 Data: N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

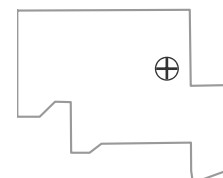
**MAROS Mann-Kendall Method**  
 All Data: All Non-Detect  
 2020 - 2022 Data: All Non-Detect

**MAROS Linear Regression Method**  
 All Data: All Non-Detect  
 2020 - 2022 Data: All Non-Detect

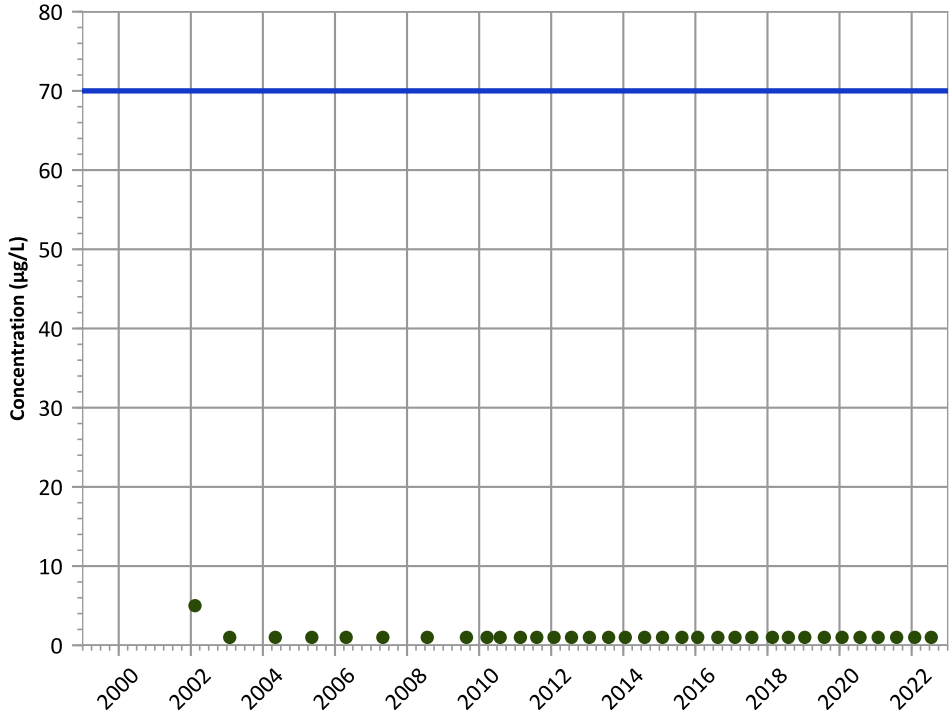
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/14/1999 to 07/19/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

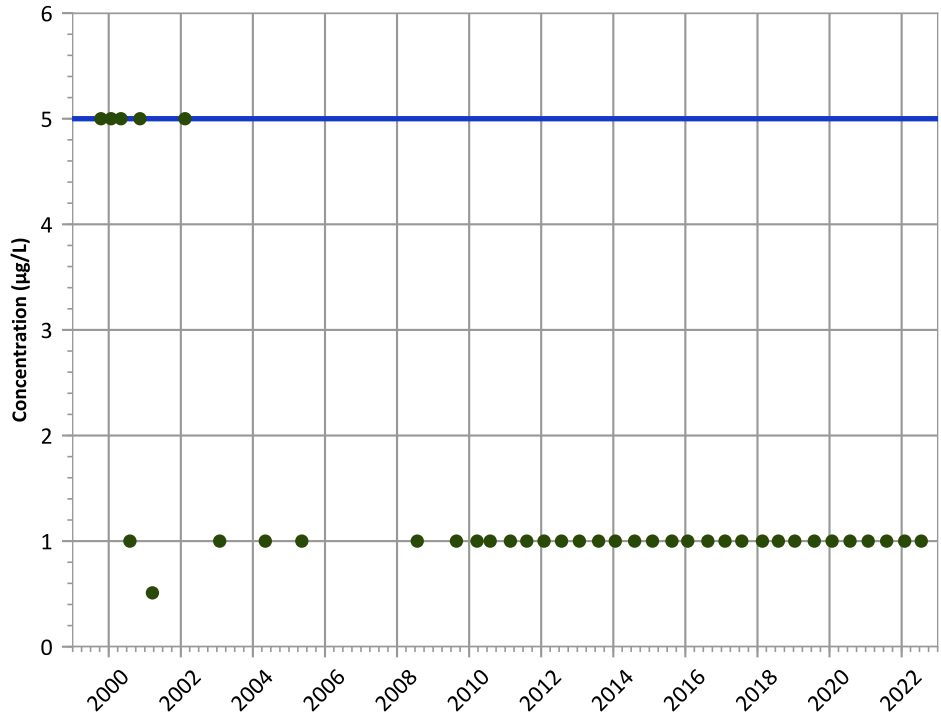
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

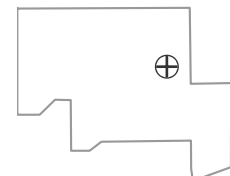
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

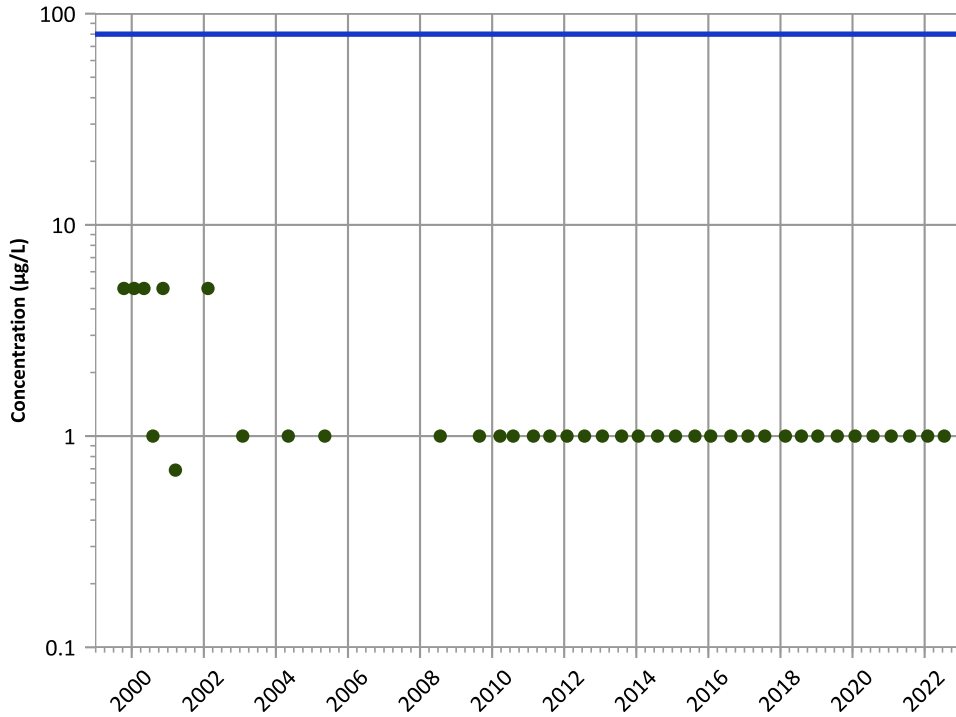
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

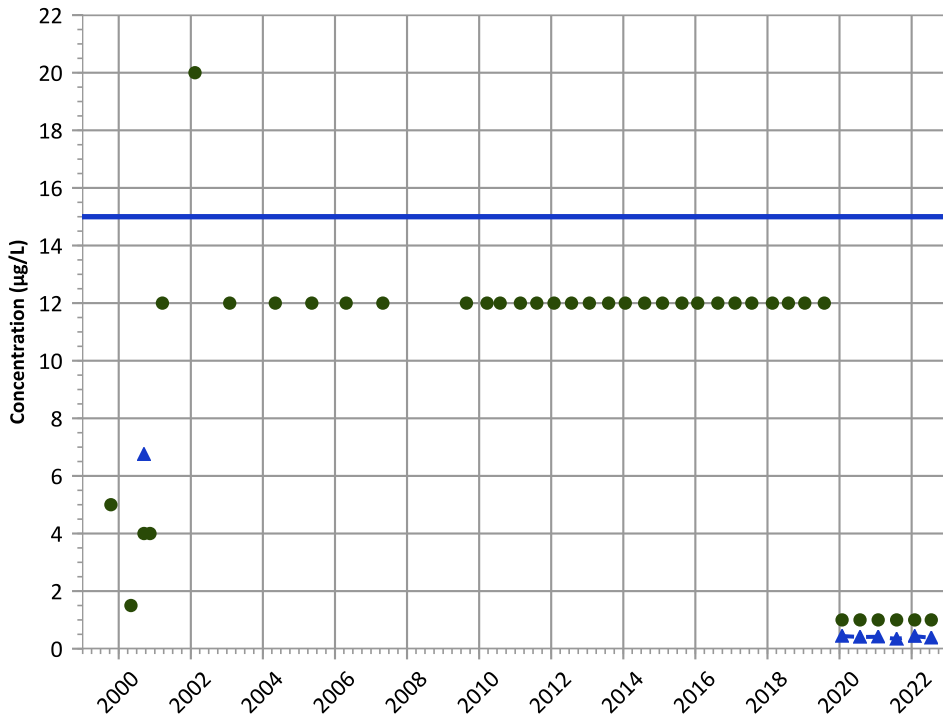
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Perchlorate Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

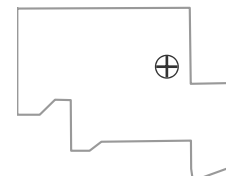
**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

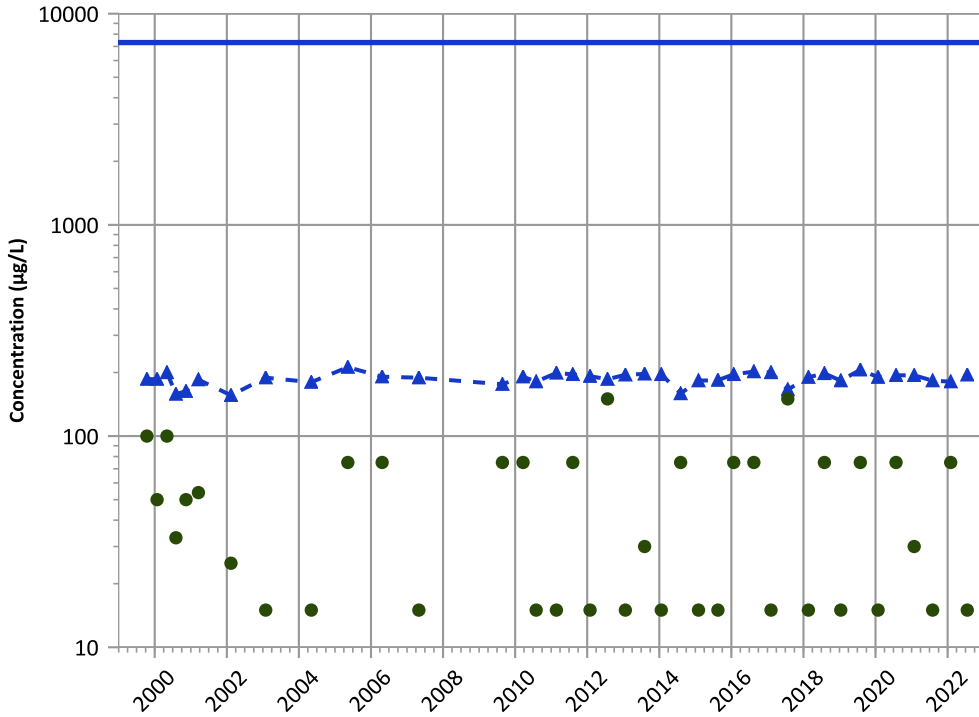
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

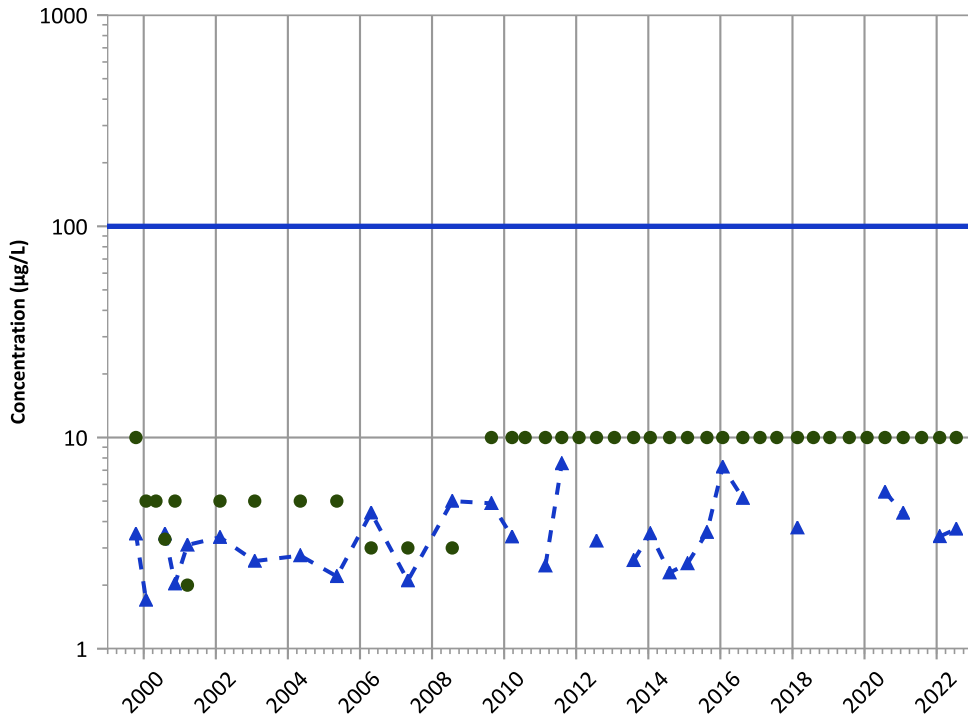
MAROS Mann-Kendall Method

All Data:  
Probably Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

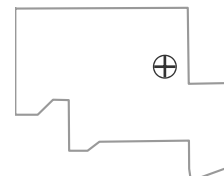
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Decreasing

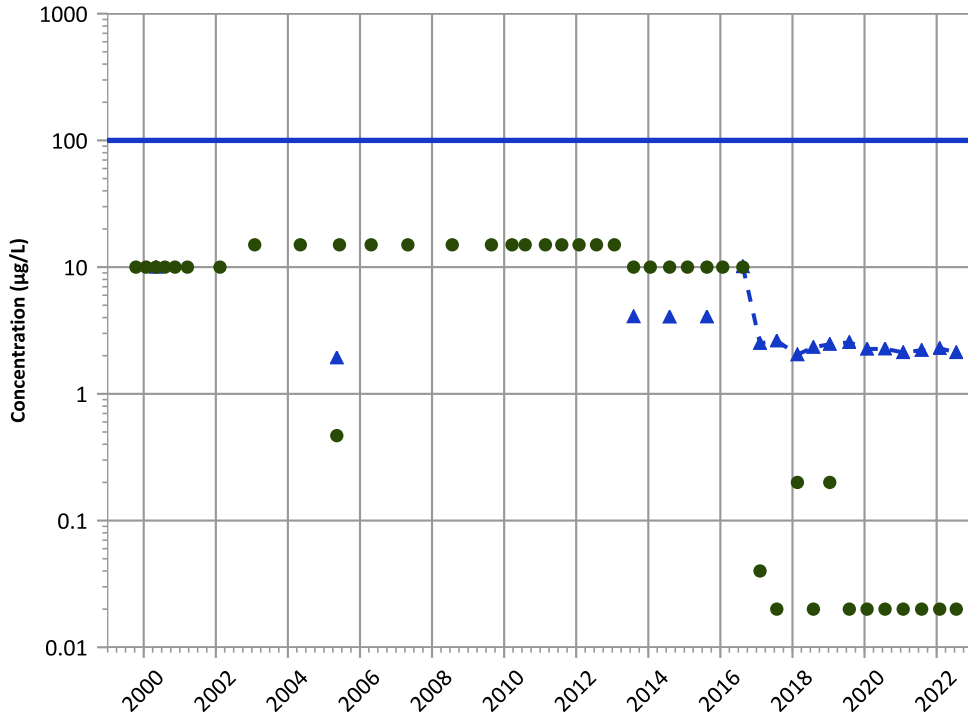
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

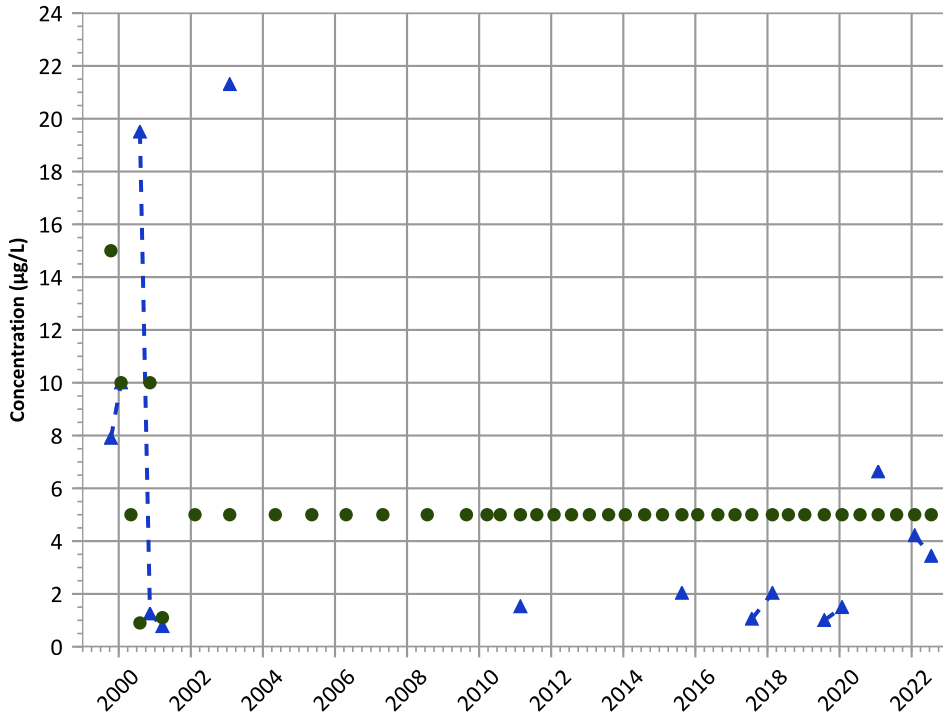
All Data:

Decreasing

2020 - 2022 Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:

Probably Decreasing

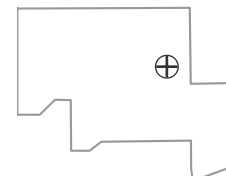
2020 - 2022 Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

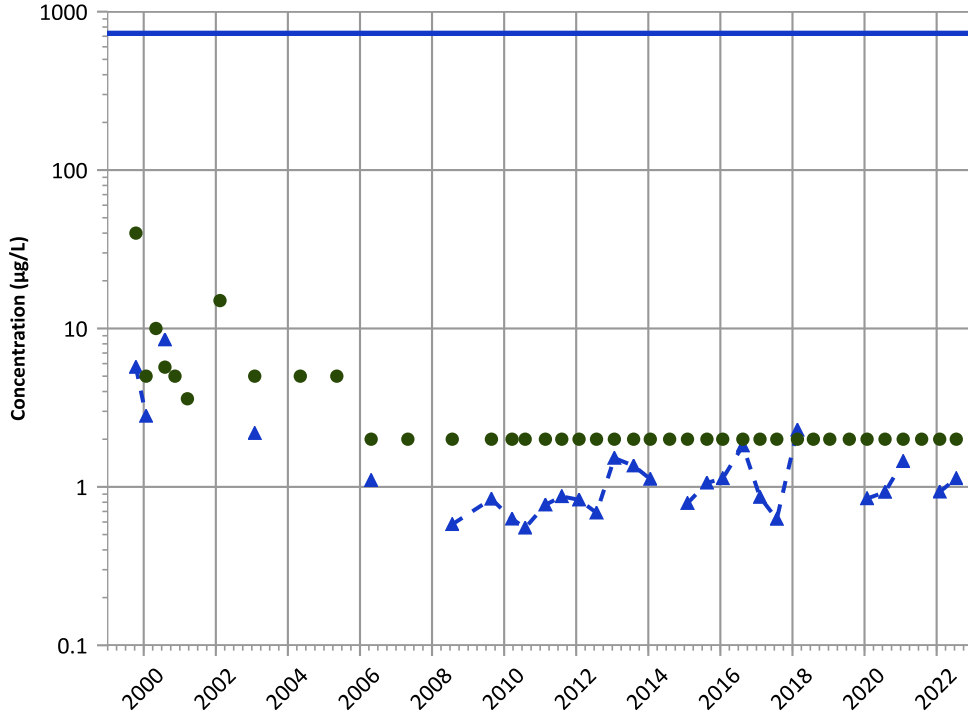
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

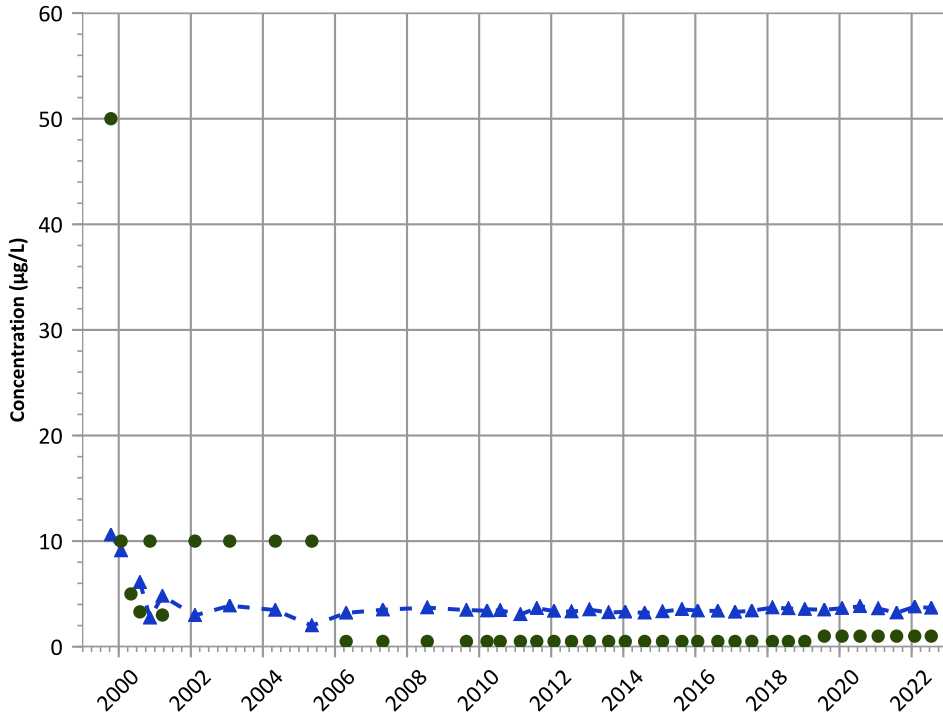
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

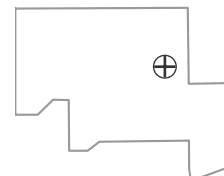
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

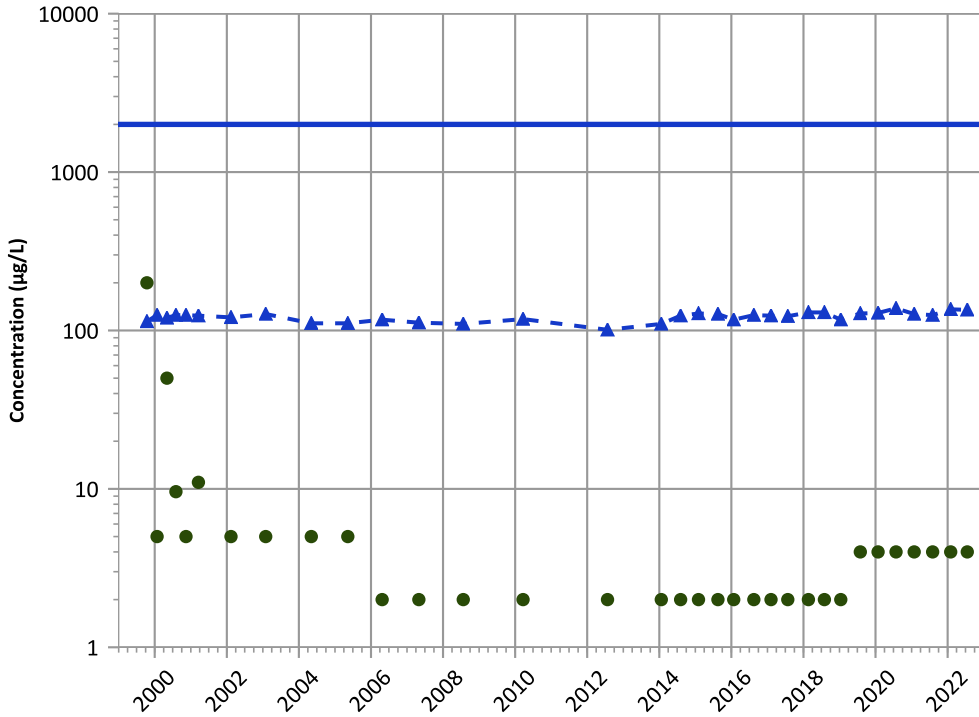
Well Location





PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

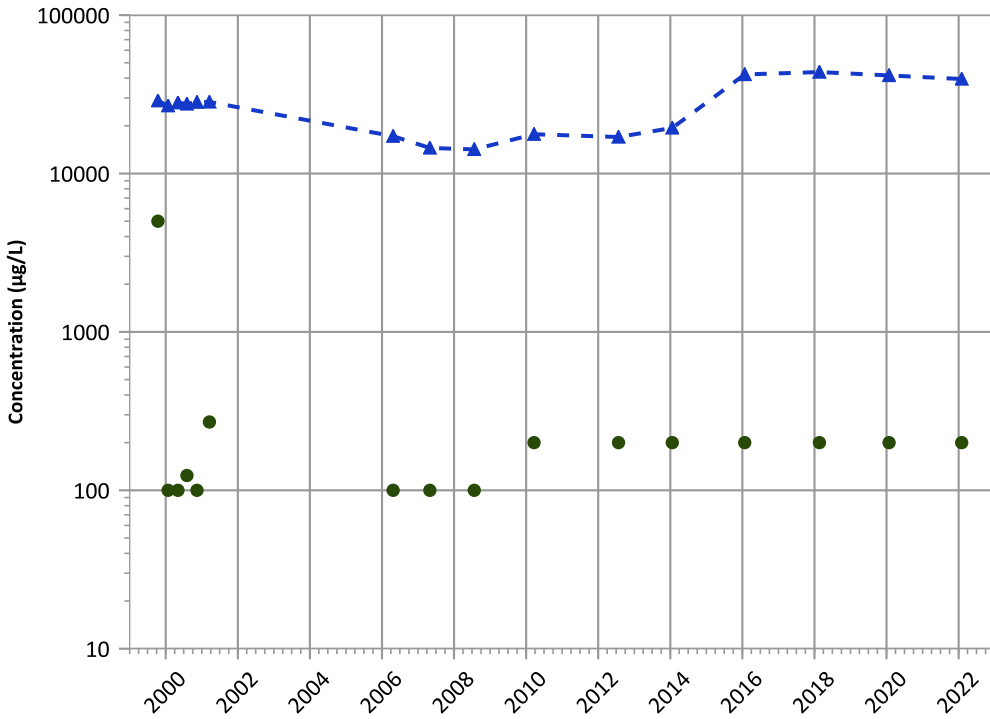
All Data:

Increasing

2020 - 2022 Data:

Probably Increasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

No Trend

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

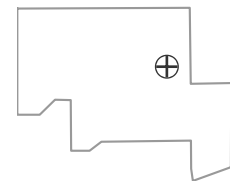
All Data:

No Trend

2020 - 2022 Data:

Stable

Well Location

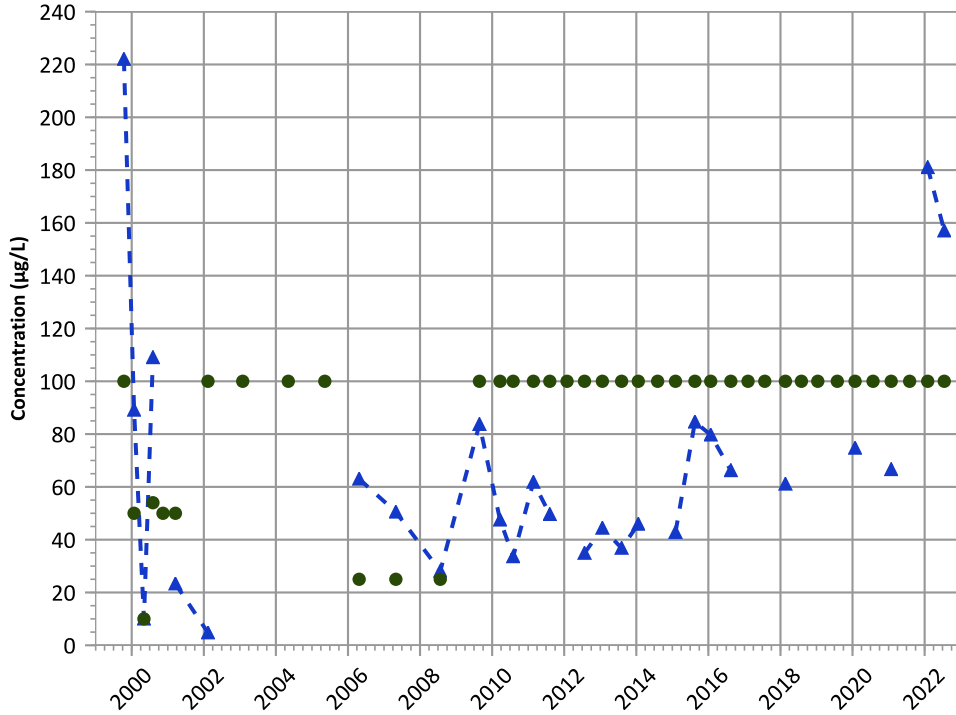


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

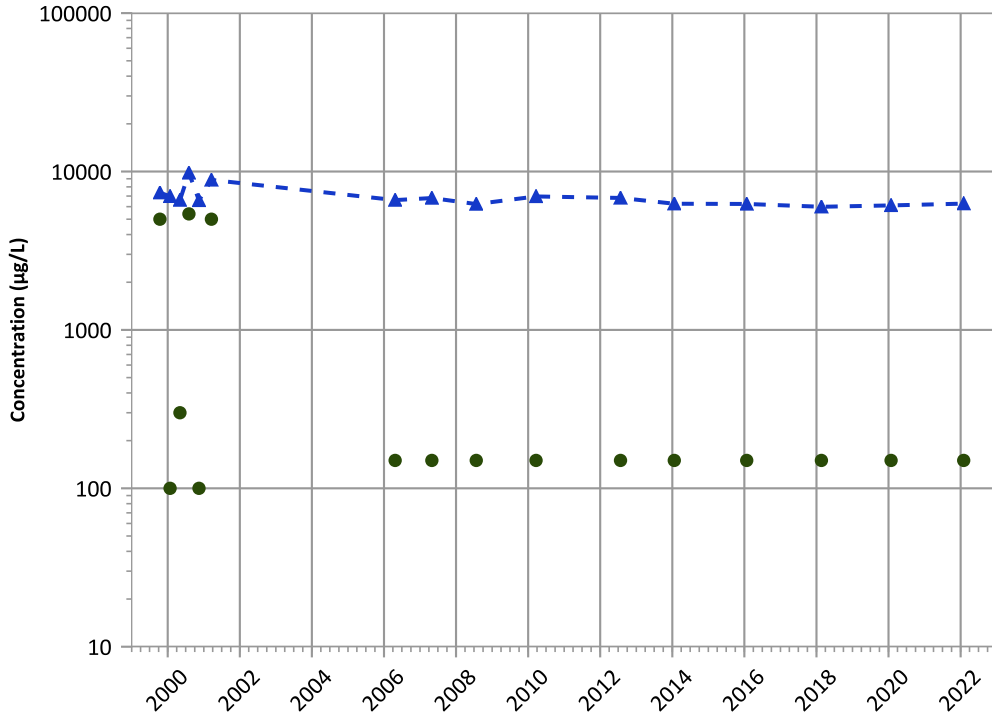
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Probably Increasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

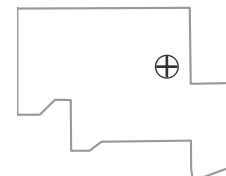
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

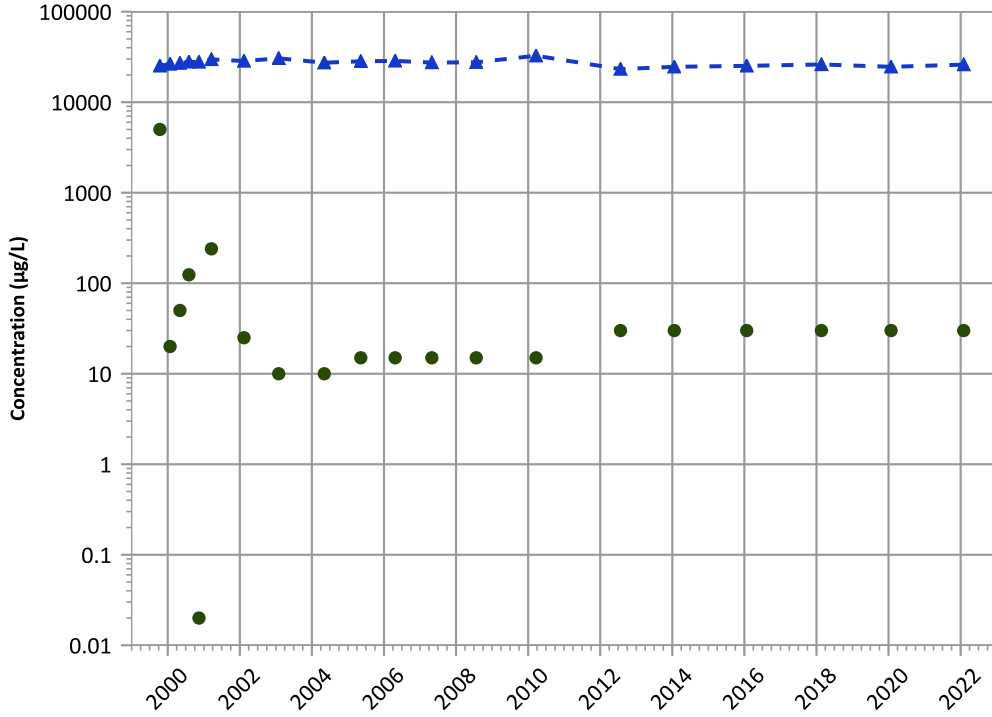
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

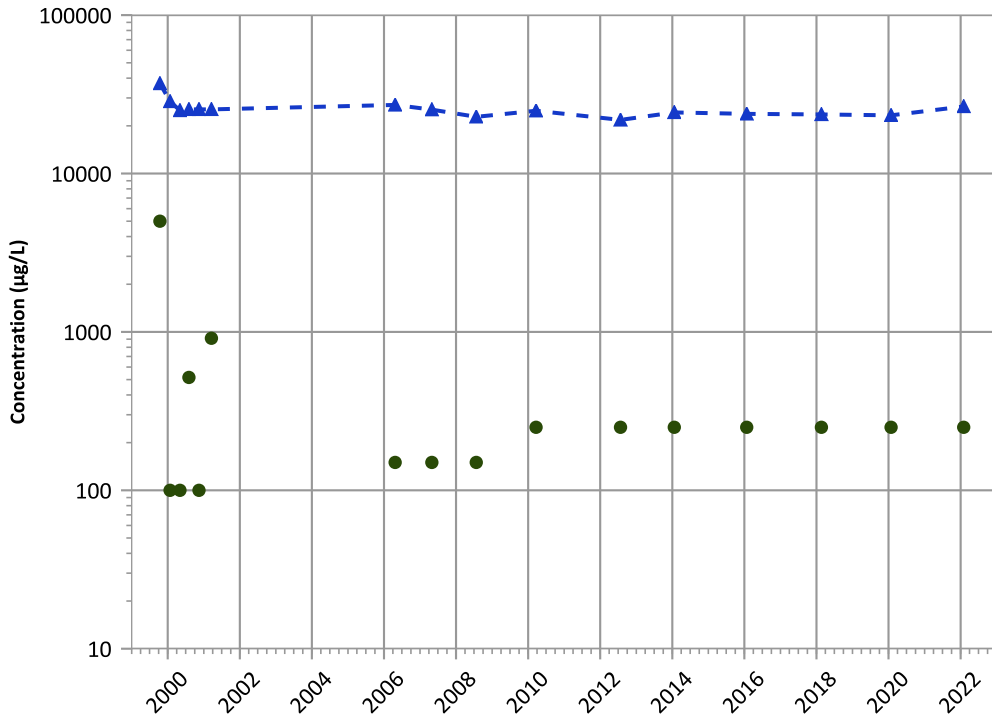
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

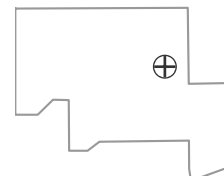
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/1999 to 07/19/2022  
Analysis Date: 04/11/2023

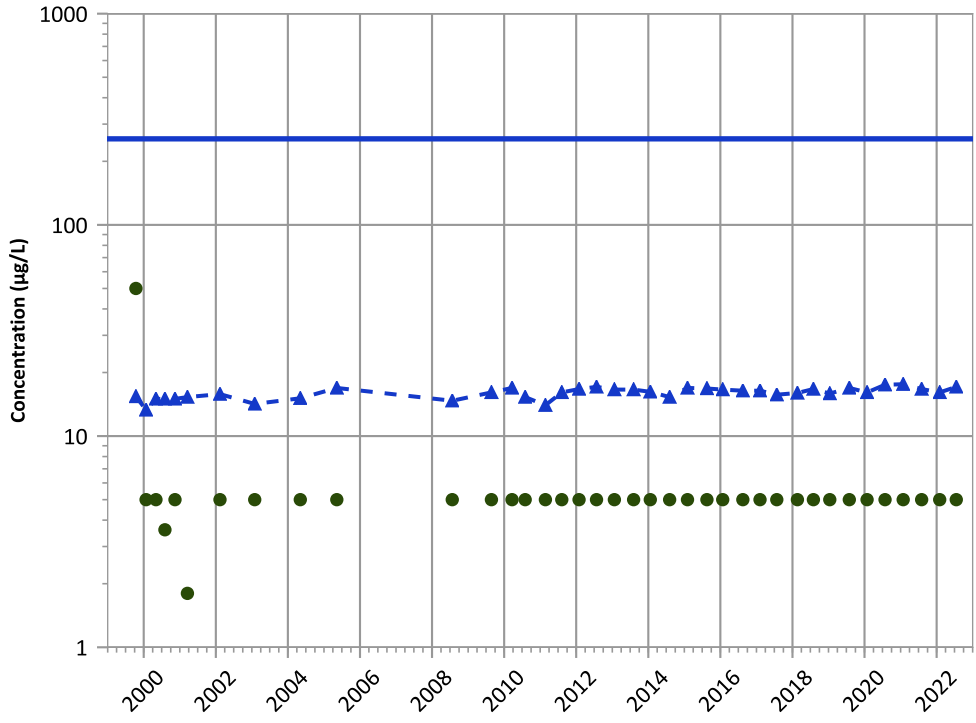
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1043 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



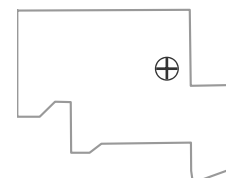
**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 All Data: Increasing  
 2020 - 2022 Data: Decreasing

**MAROS Linear Regression Method**  
 All Data: Increasing  
 2020 - 2022 Data: Stable

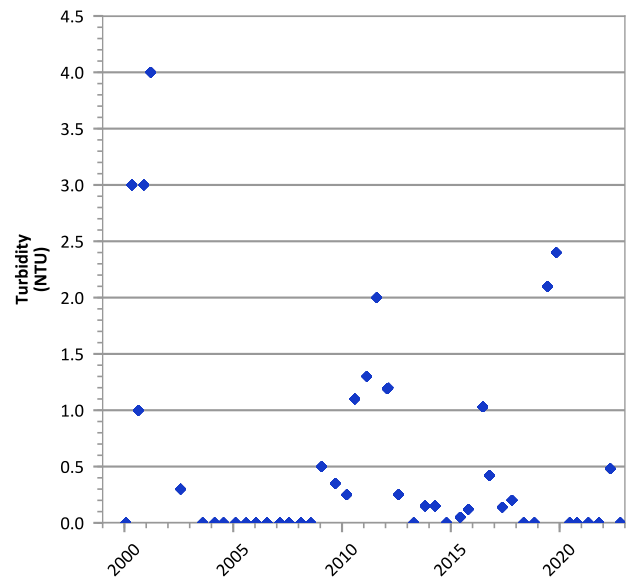
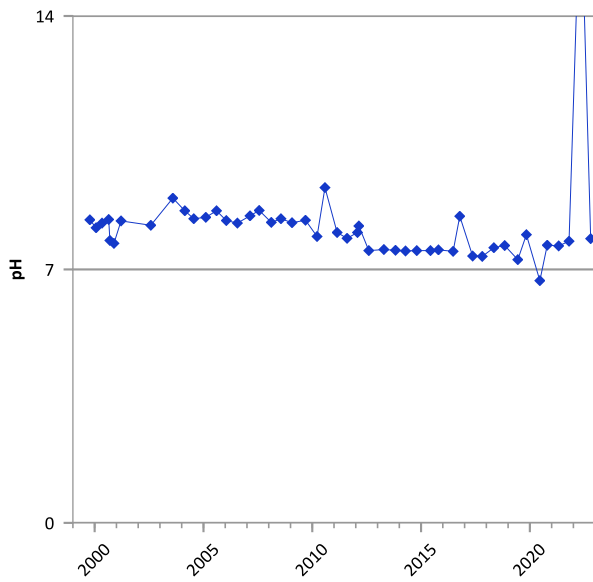
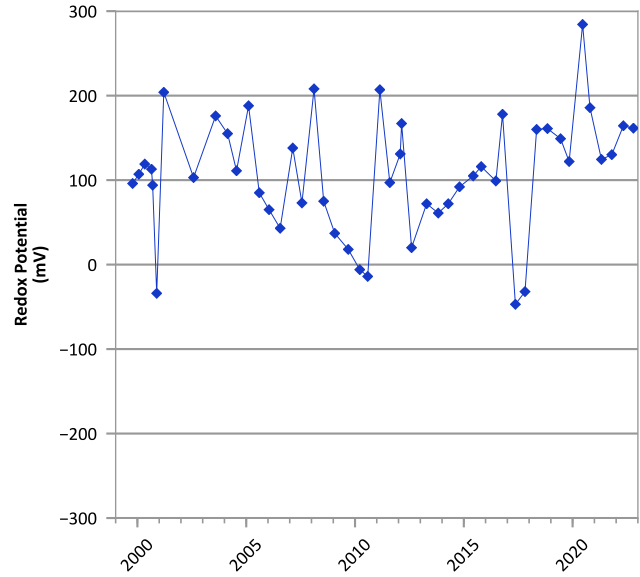
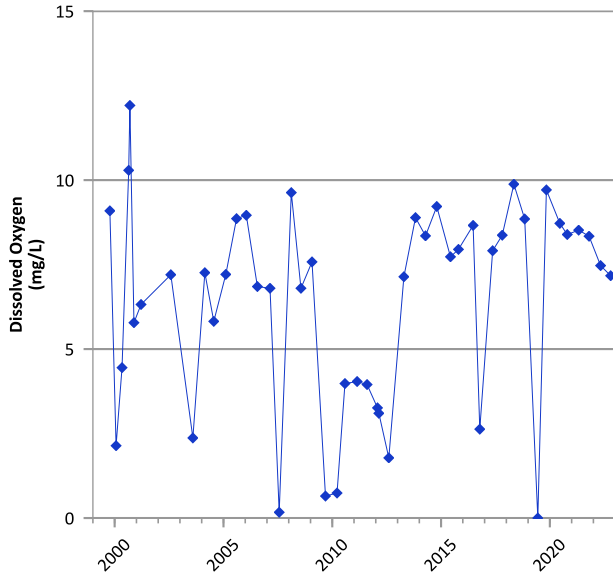
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/14/1999 to 07/19/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

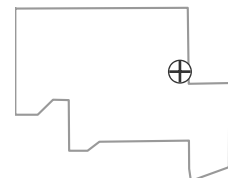


**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



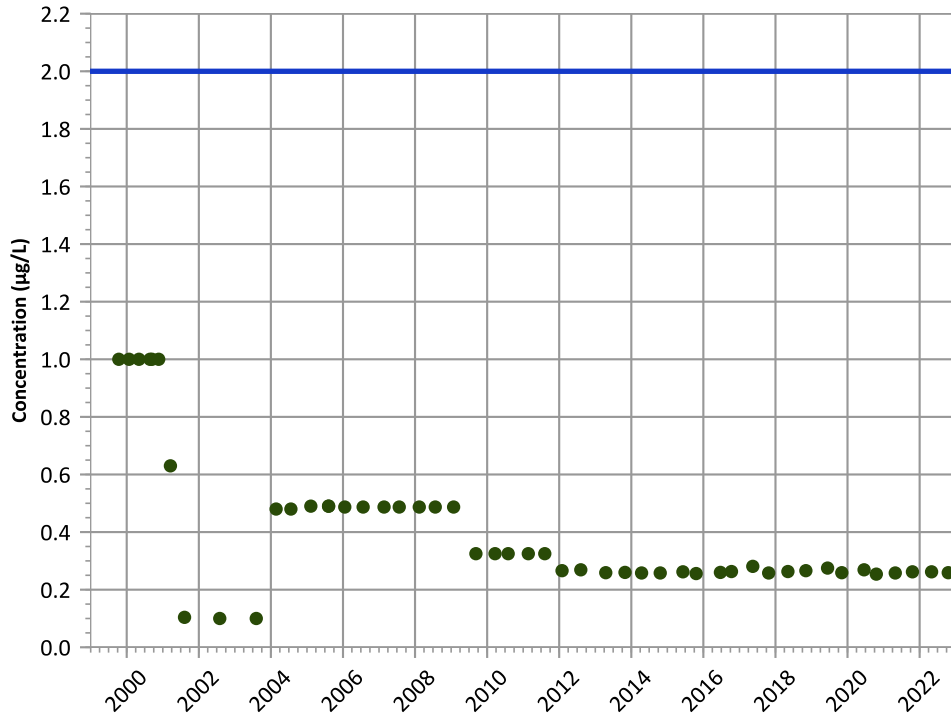
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/13/1999 to 10/18/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

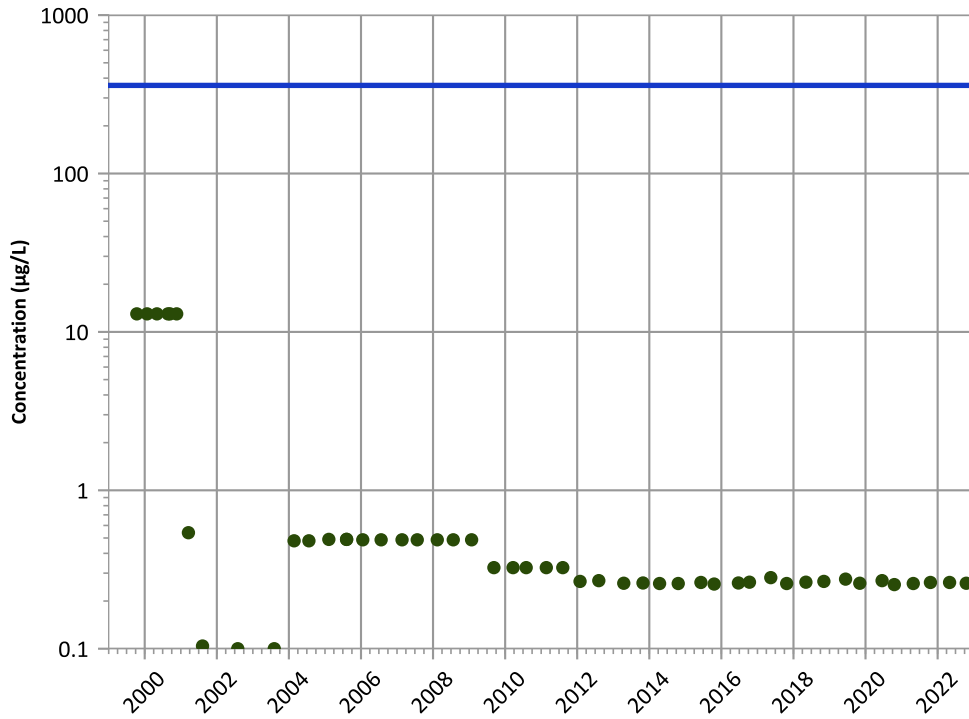
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

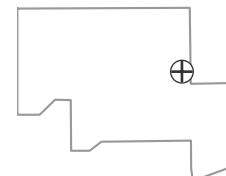
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

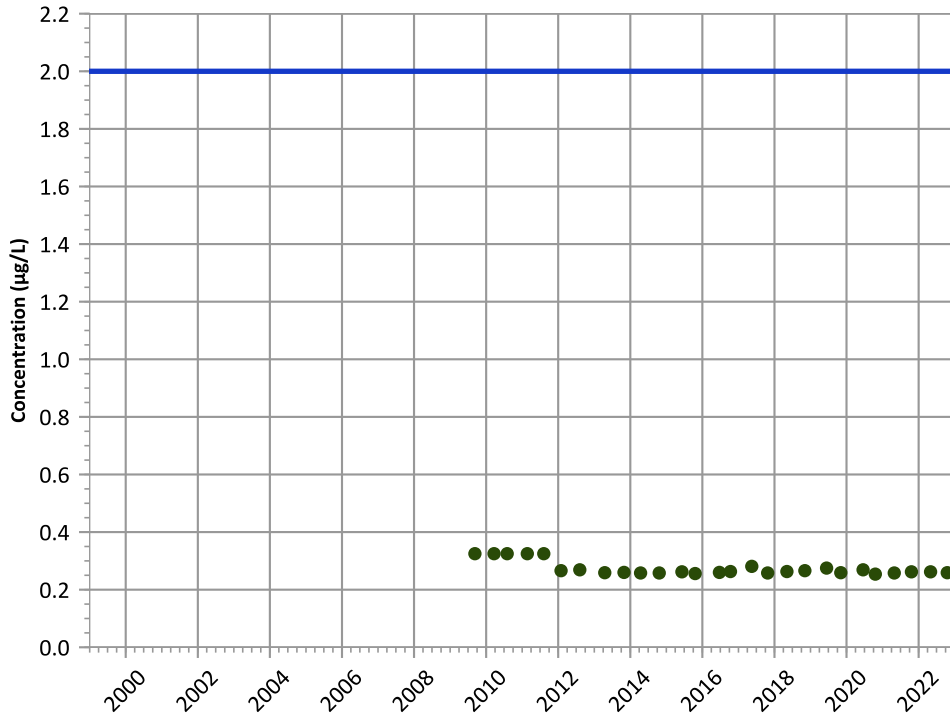
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

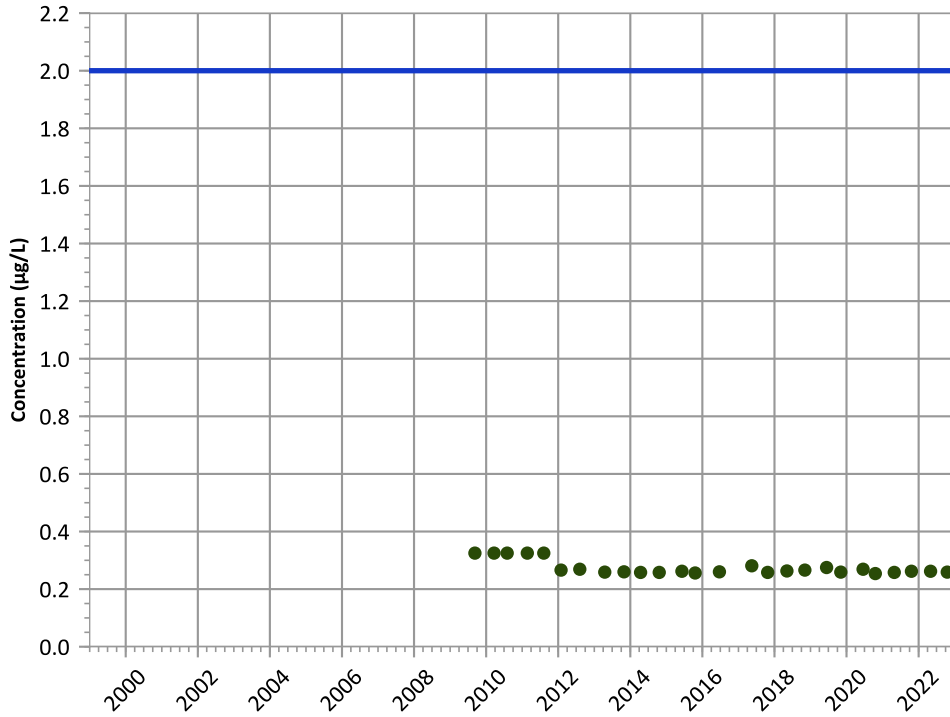
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

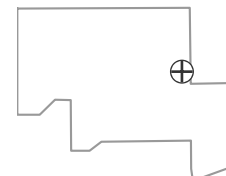
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

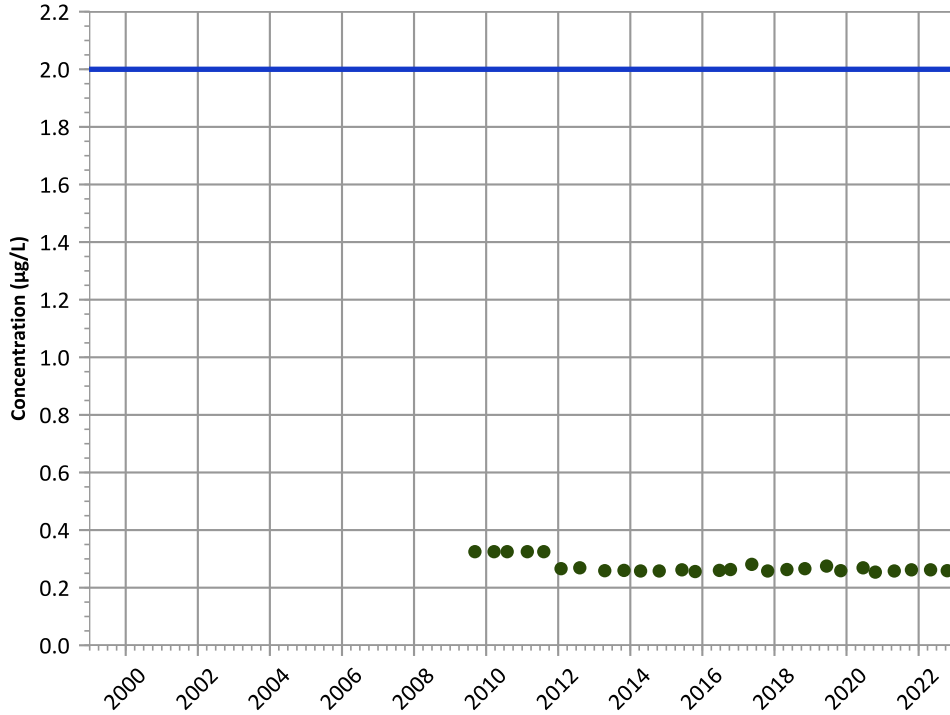
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

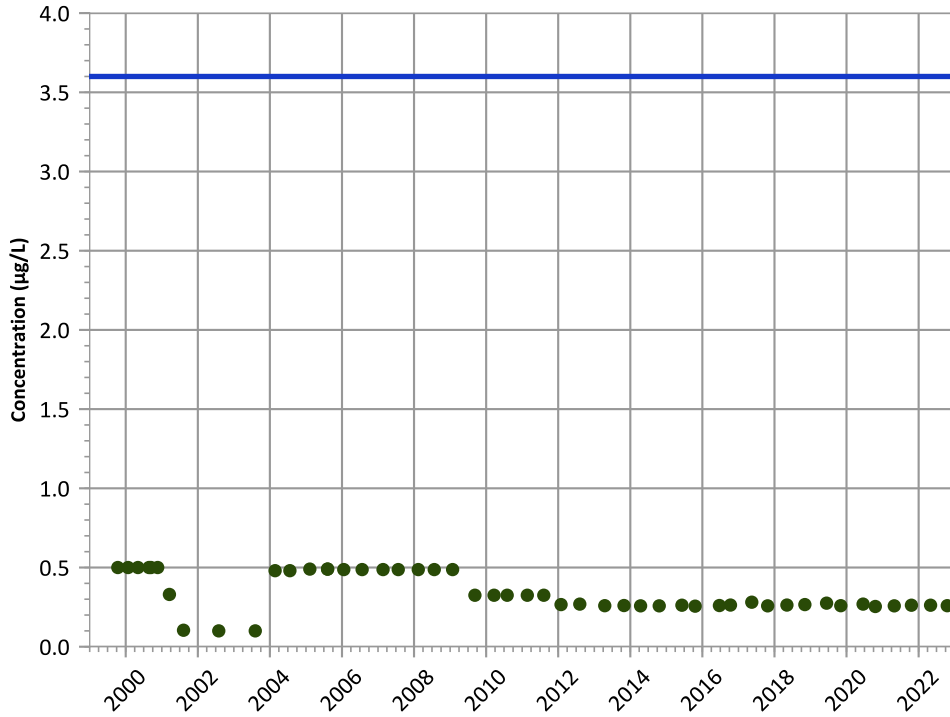
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

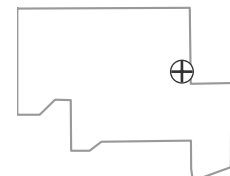
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

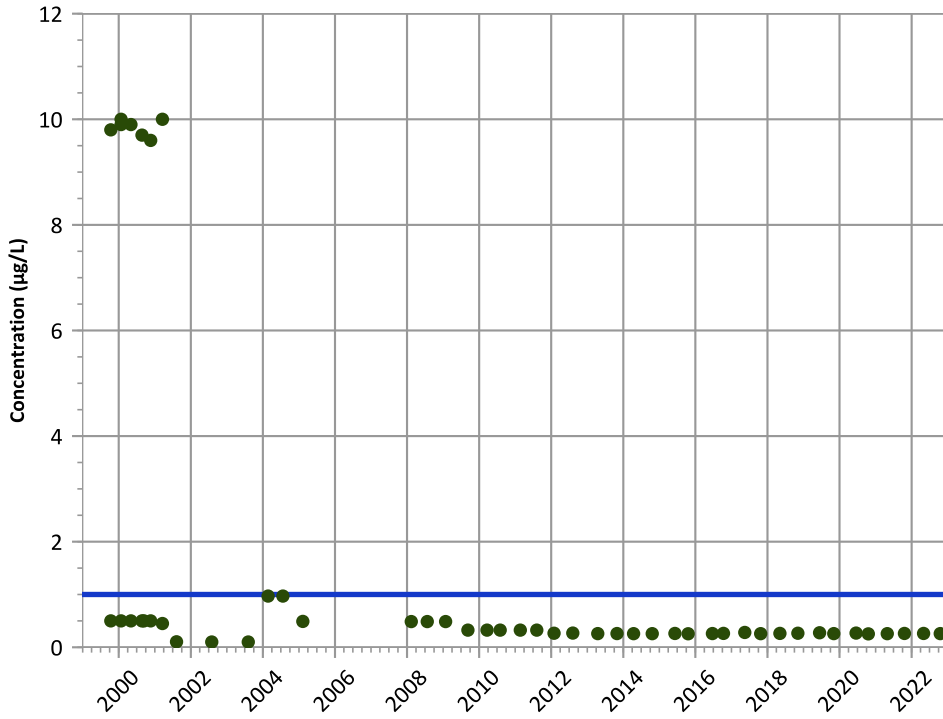
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

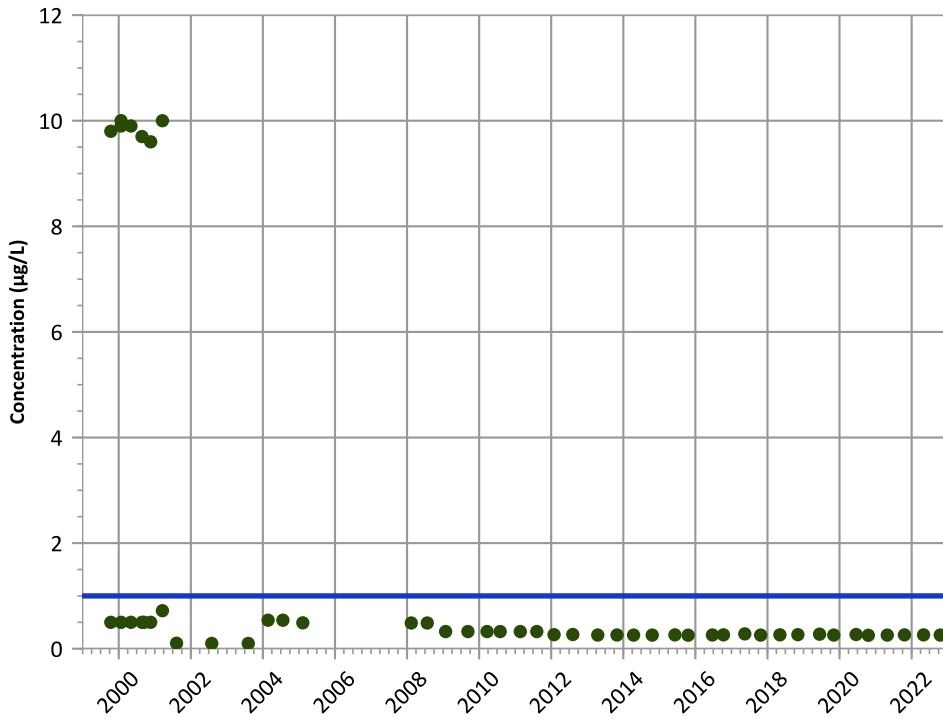


**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 All Data:  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect  
**MAROS Linear Regression Method**  
 All Data:  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**2,6-Dinitrotoluene Trend**

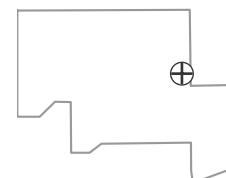


**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 All Data:  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect  
**MAROS Linear Regression Method**  
 All Data:  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/13/1999 to 10/18/2022  
 Analysis Date: 04/11/2023

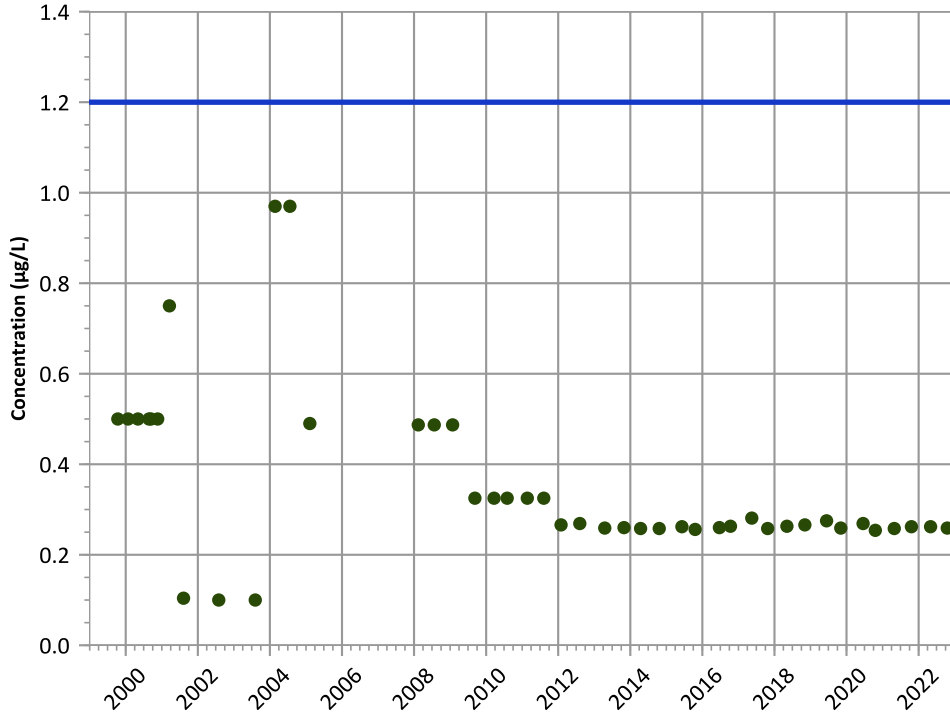
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

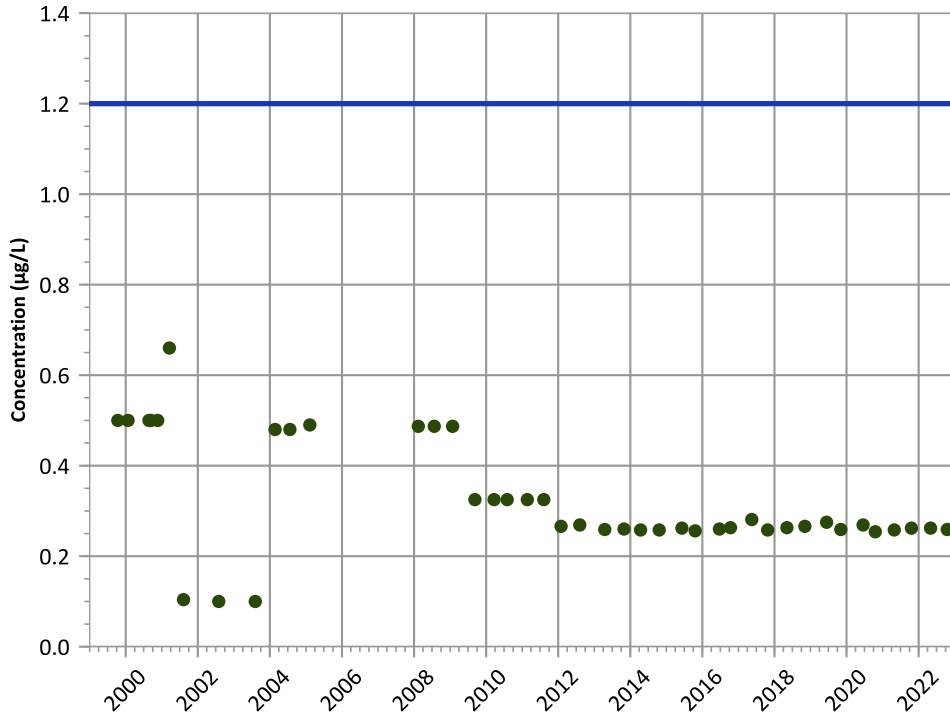
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

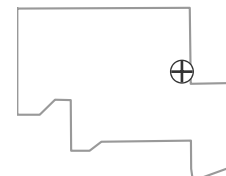
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

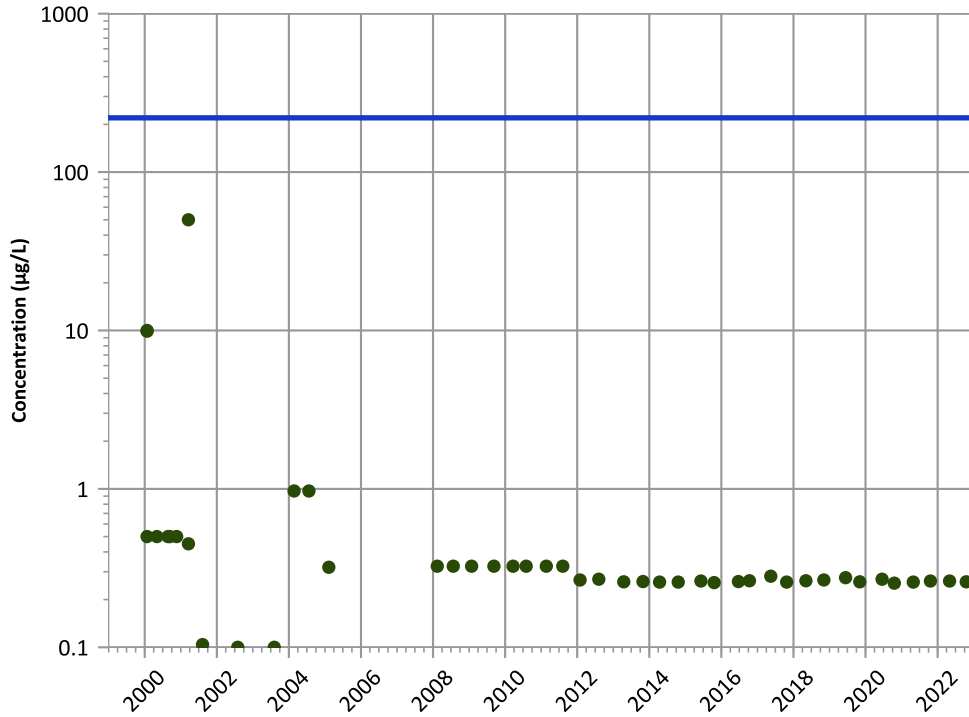
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

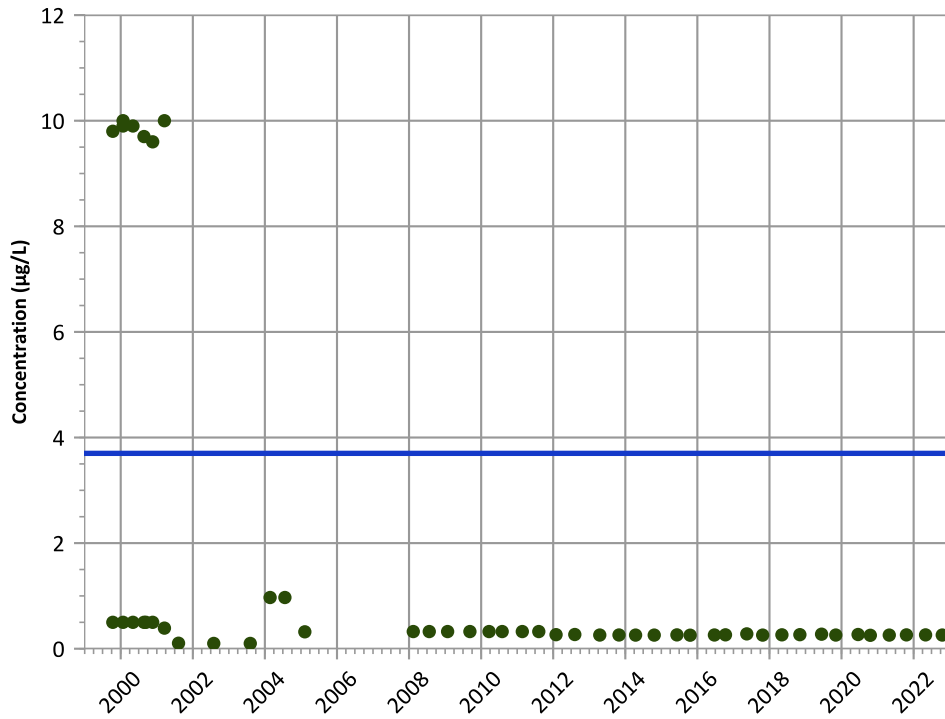
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

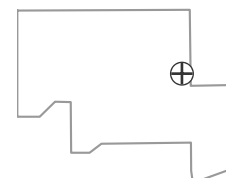
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

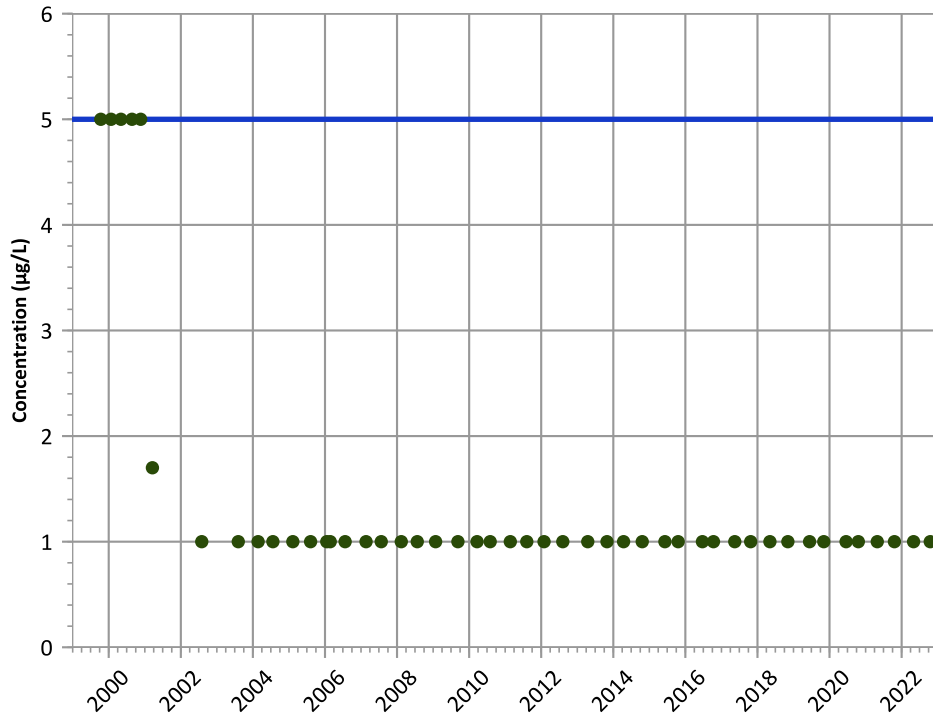
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

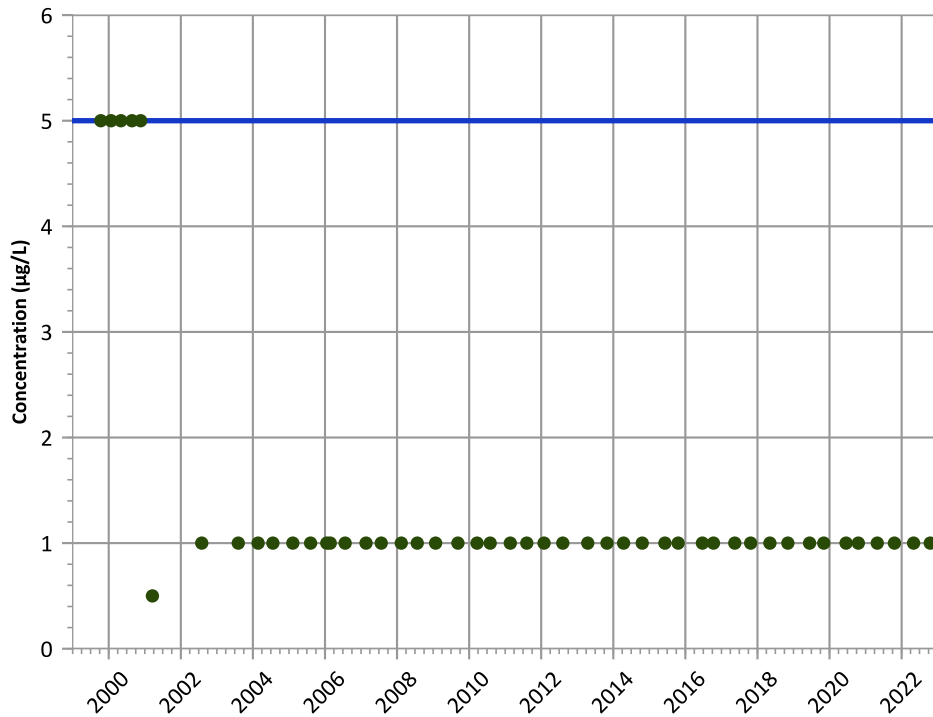
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

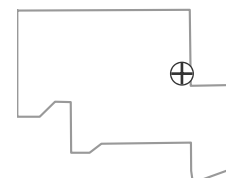
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

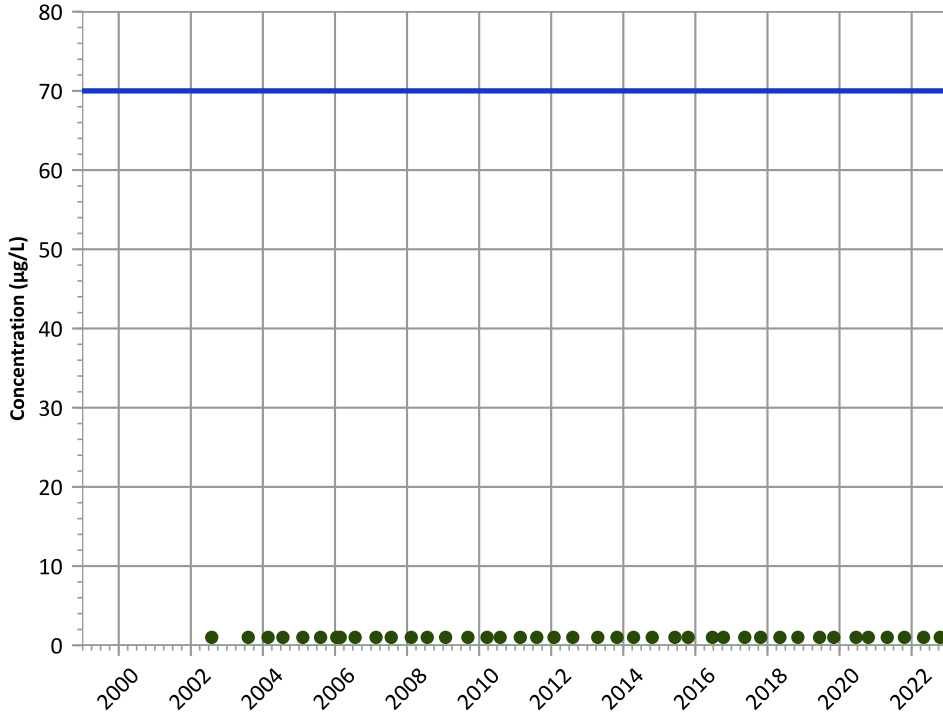
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

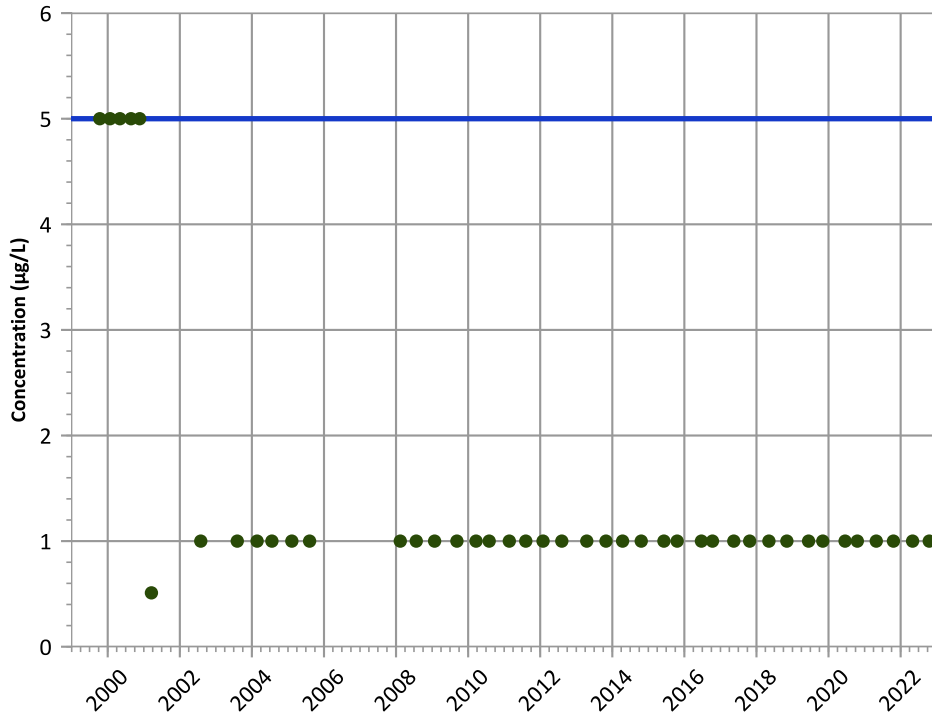
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

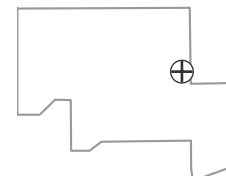
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

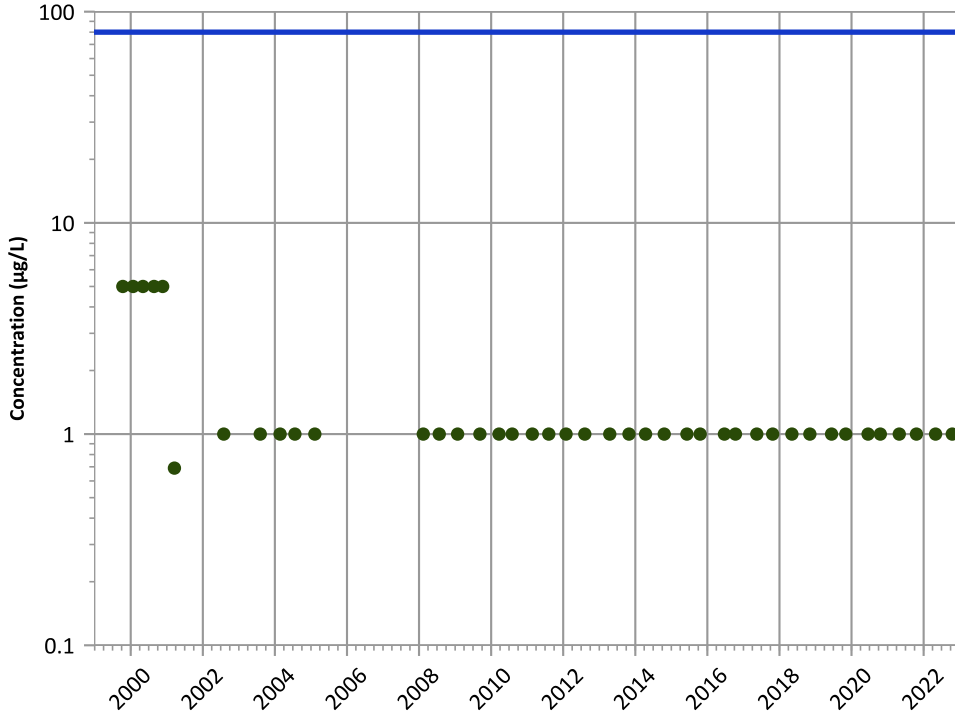
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

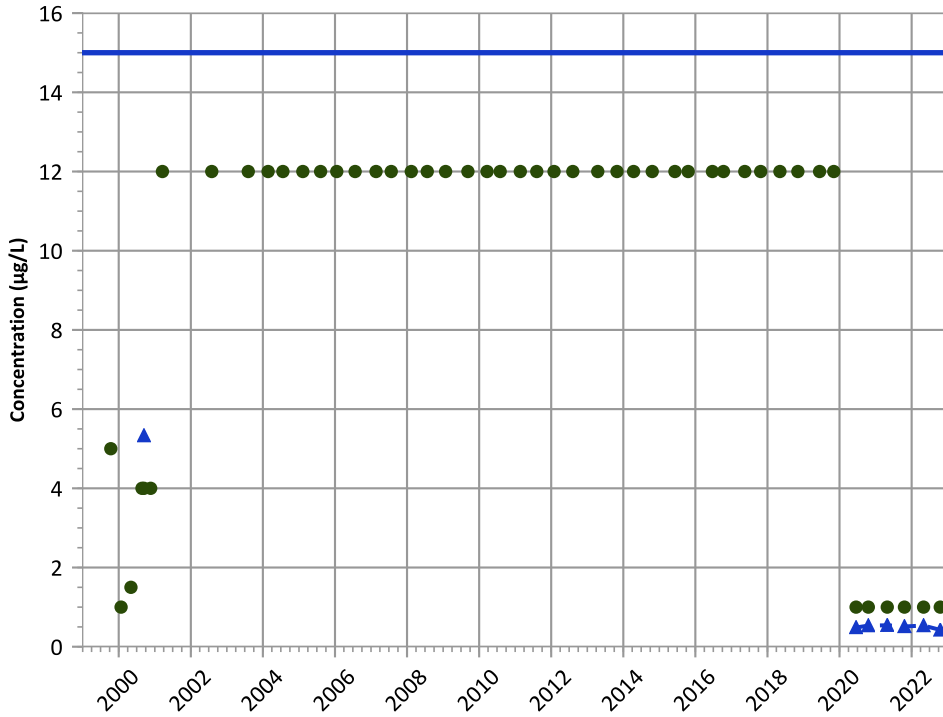
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Perchlorate Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

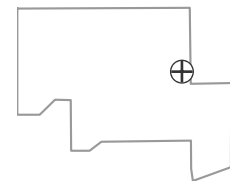
**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

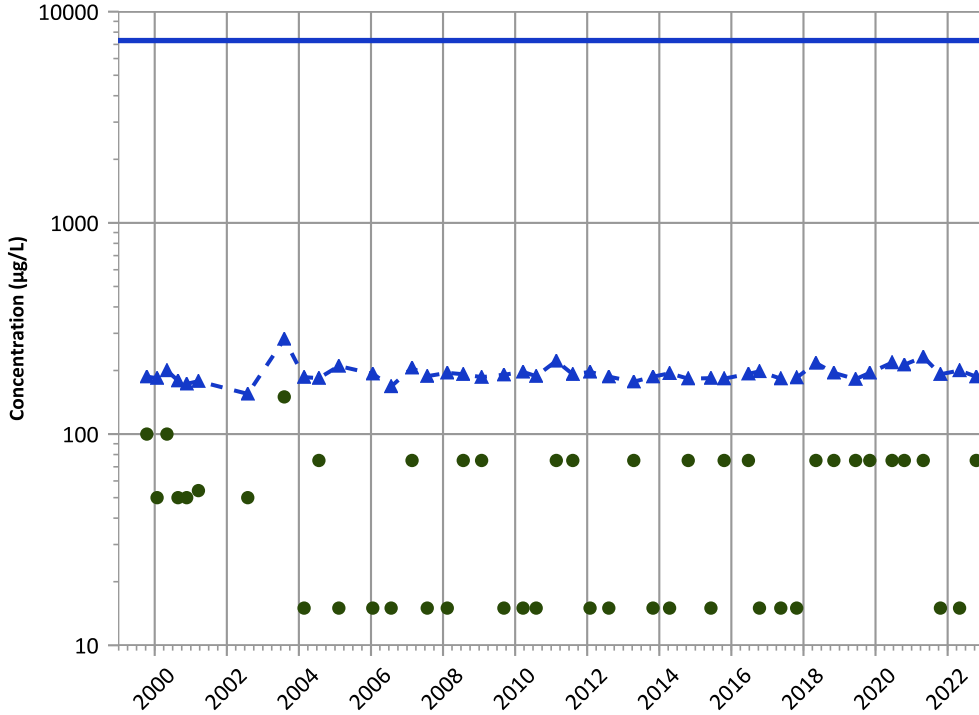
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

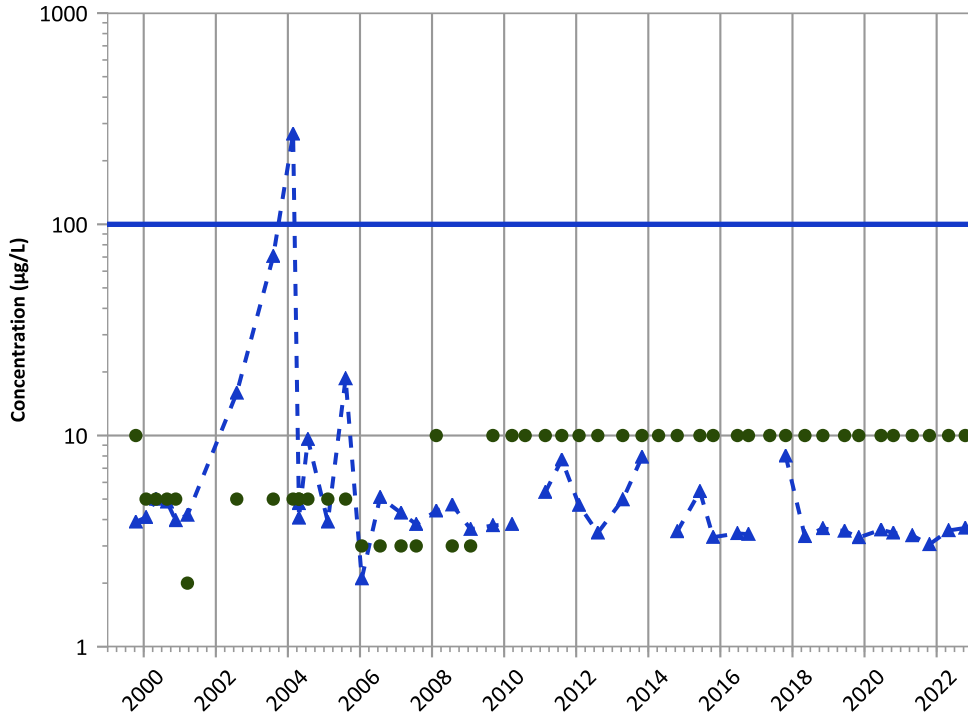
All Data:

Increasing

2020 - 2022 Data:

Probably Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

All Data:

Decreasing

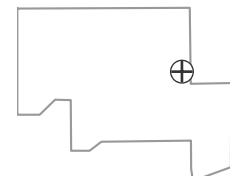
2020 - 2022 Data:

No Trend

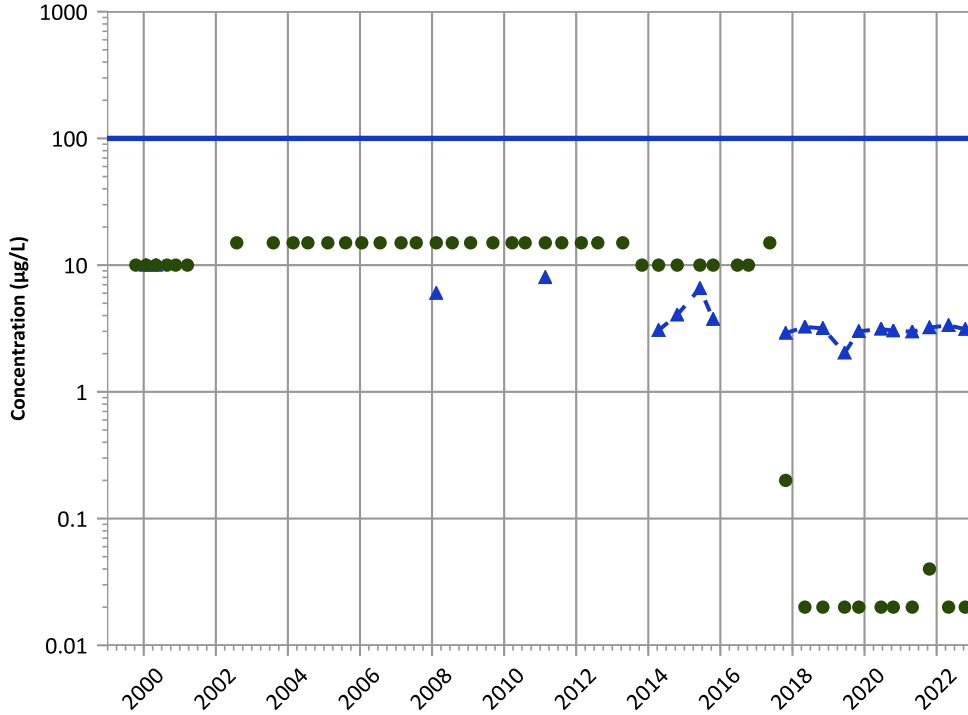
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Hexavalent Trend**



**Concentration Trend**

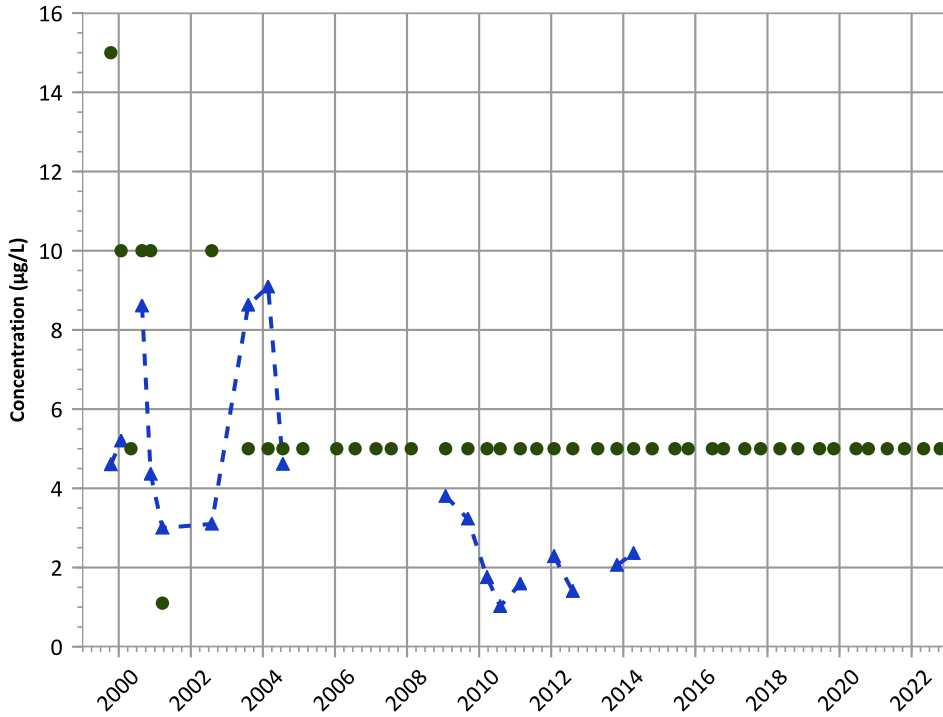
**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: No Trend

**MAROS Linear Regression Method**

All Data: Decreasing  
2020 - 2022 Data: Increasing

**Manganese Trend**



**Concentration Trend**

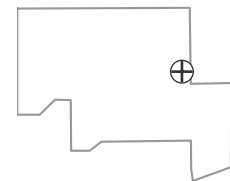
**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

**MAROS Linear Regression Method**

All Data: Decreasing  
2020 - 2022 Data: No Trend

**Well Location**

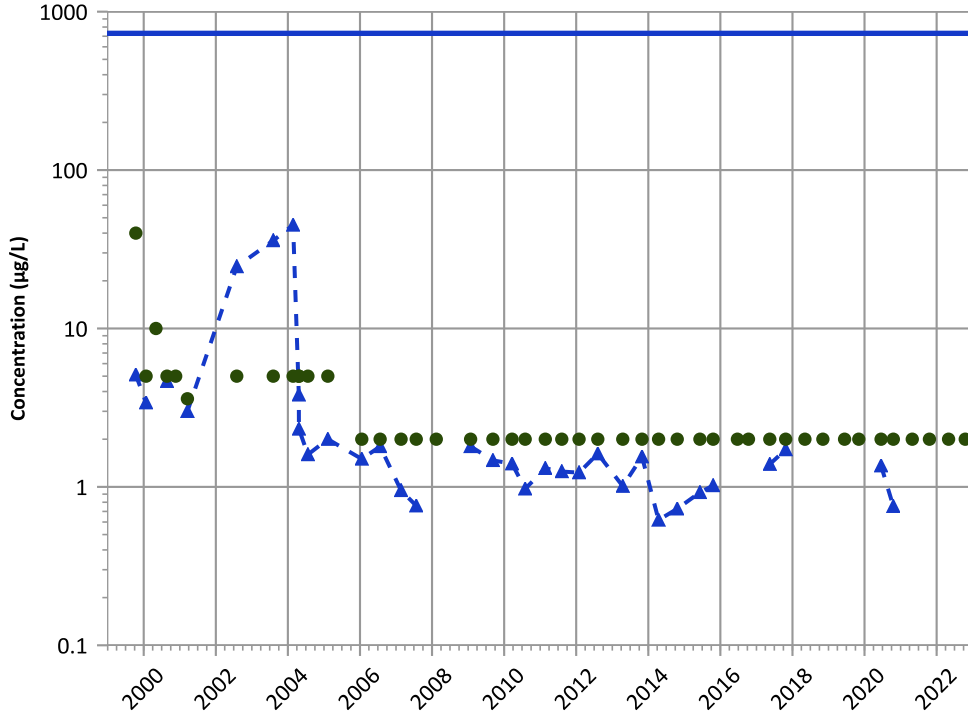


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

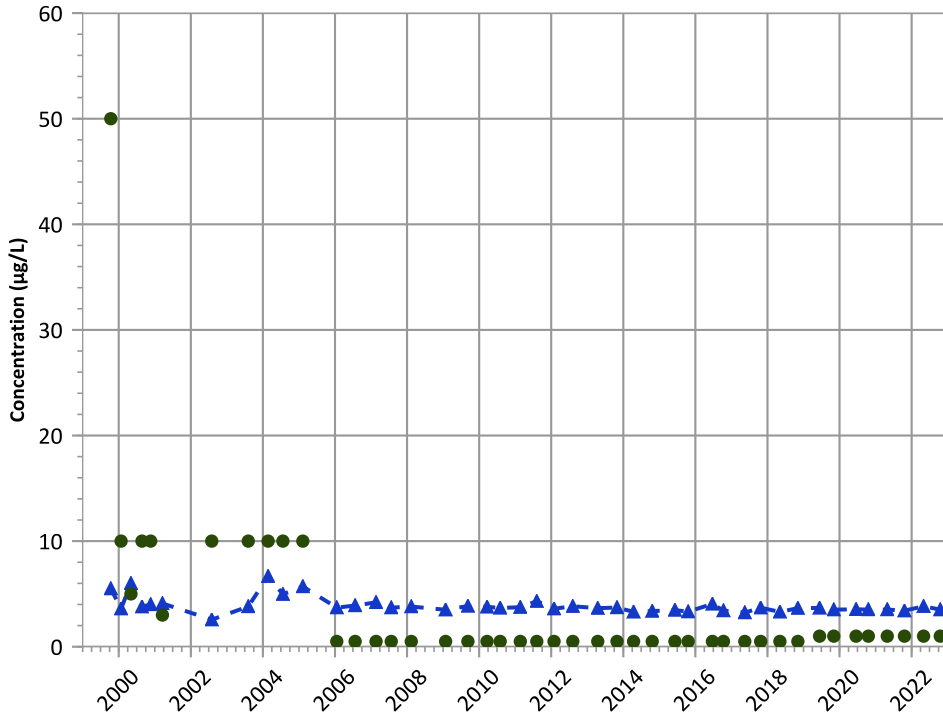
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Probably Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

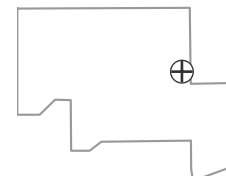
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

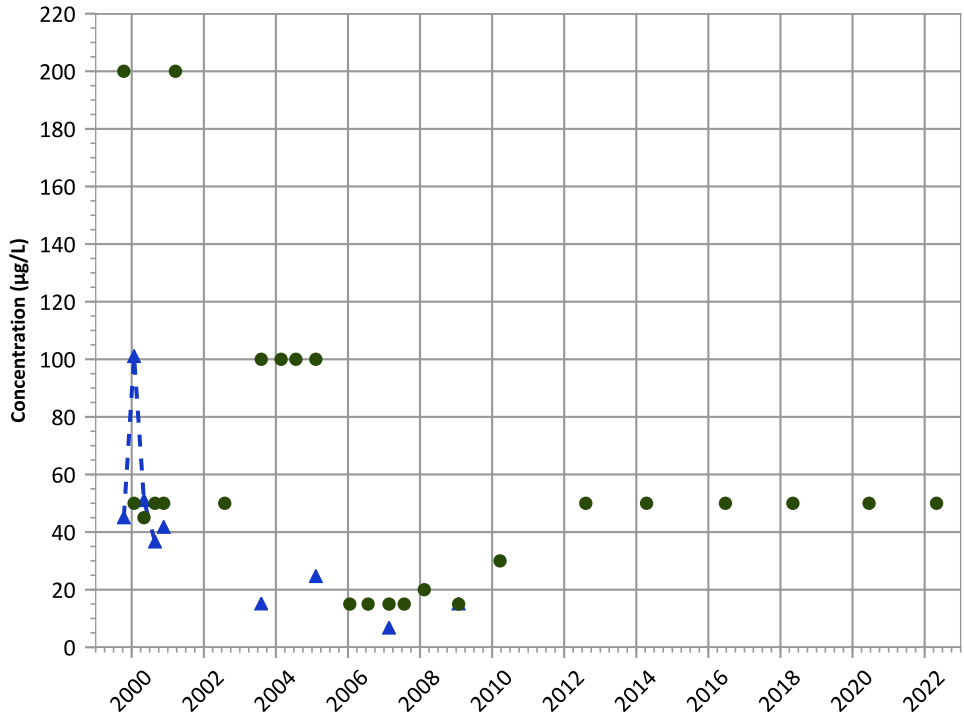
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Aluminum Trend**



**Concentration Trend**

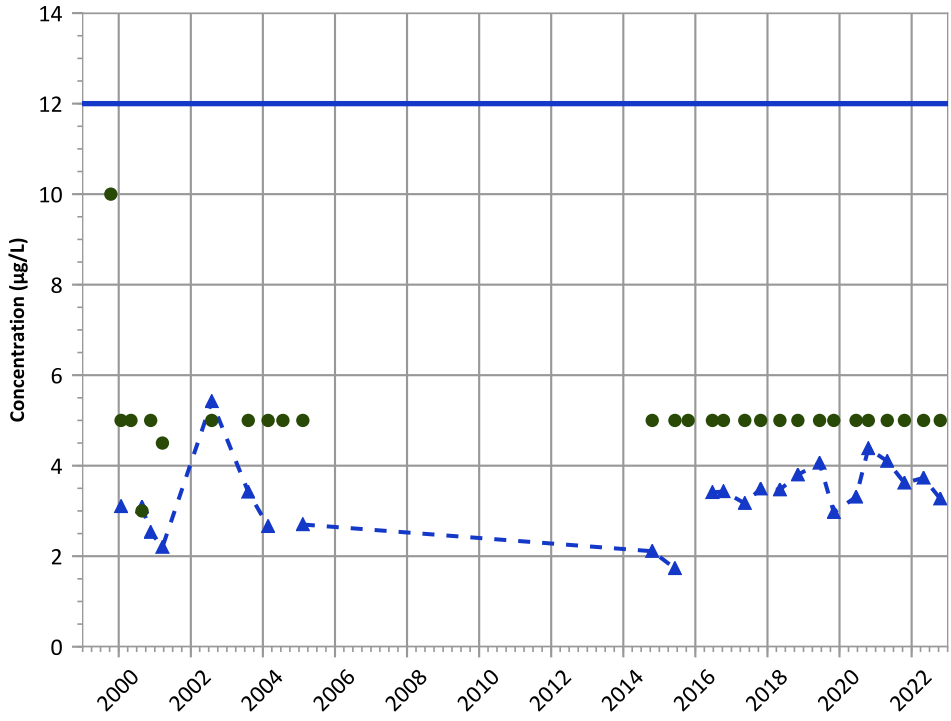
**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

**Arsenic Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Increasing  
2020 - 2022 Data:  
Decreasing

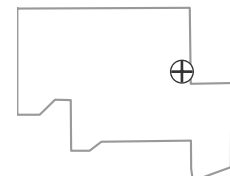
**MAROS Linear Regression Method**

All Data:  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

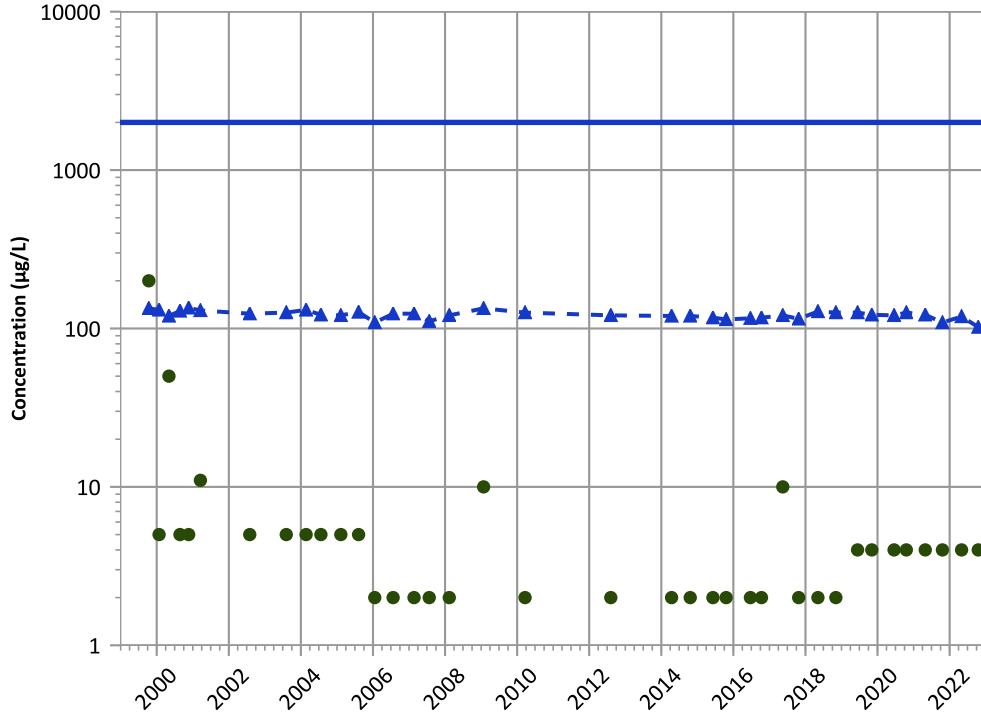
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

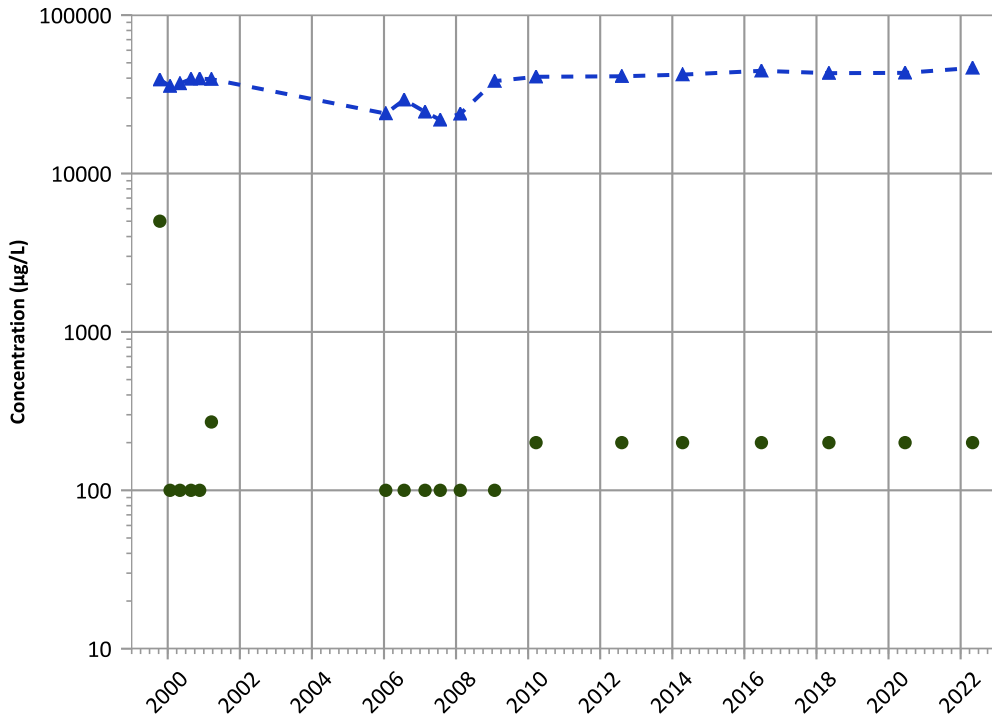
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing

2020 - 2022 Data: No Trend

No Trend

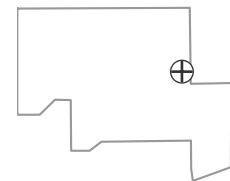
MAROS Linear Regression Method

All Data: Probably Increasing

2020 - 2022 Data: No Trend

No Trend

Well Location



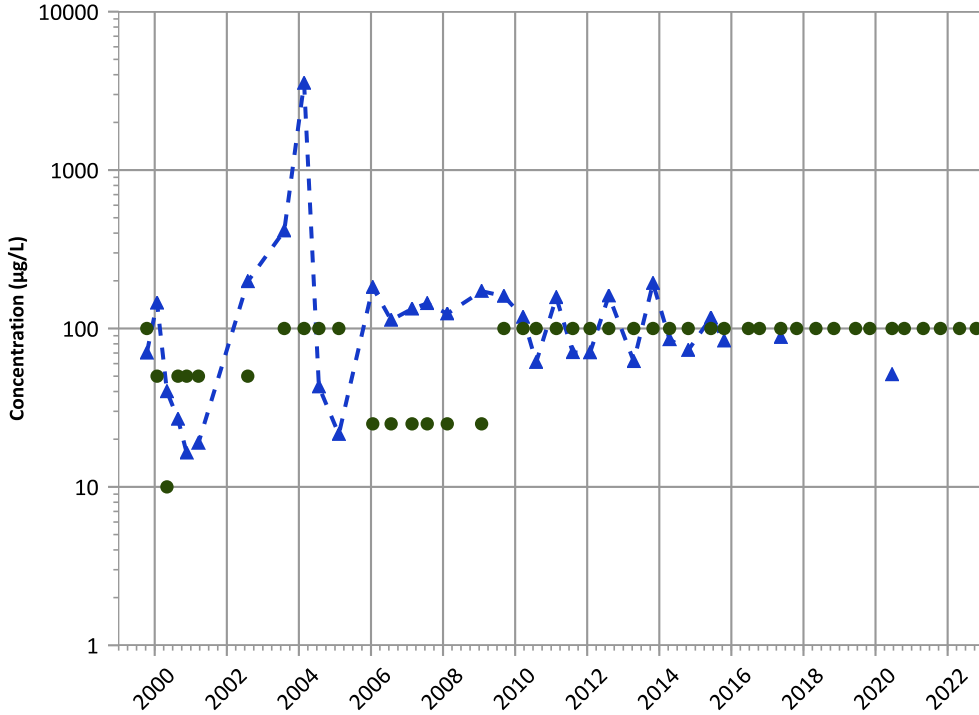
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

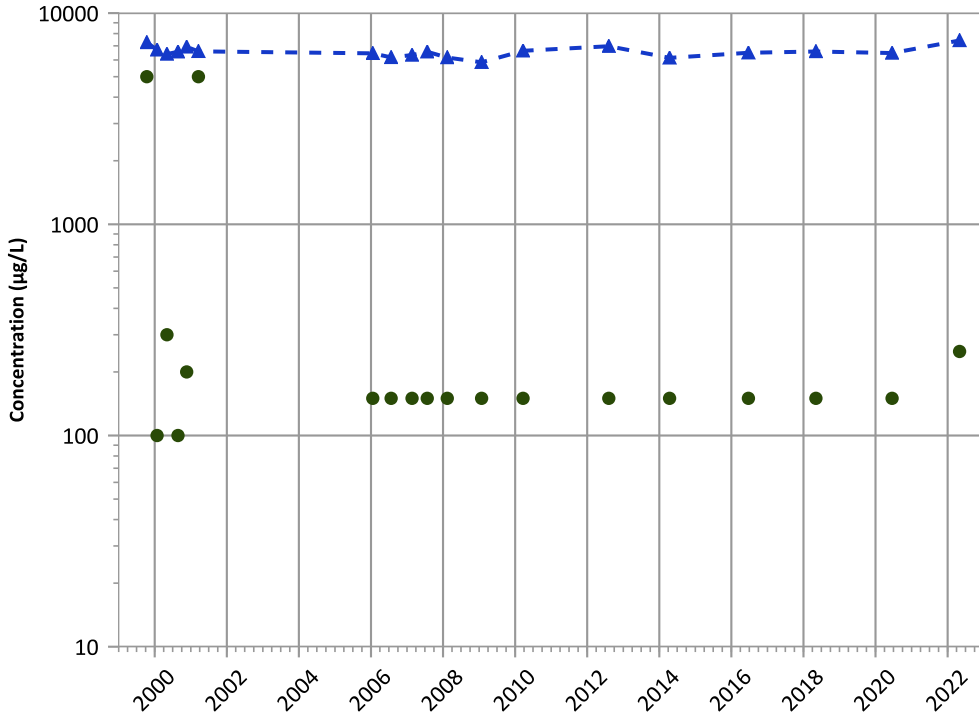
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

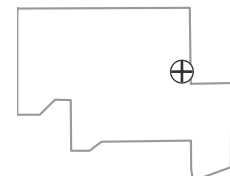
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

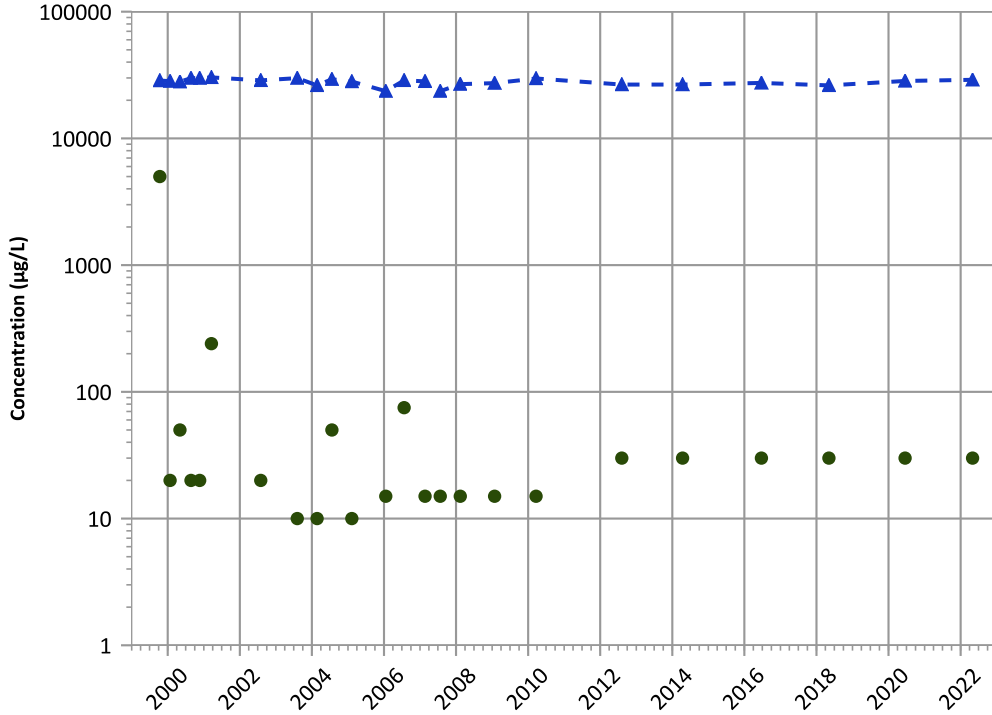
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

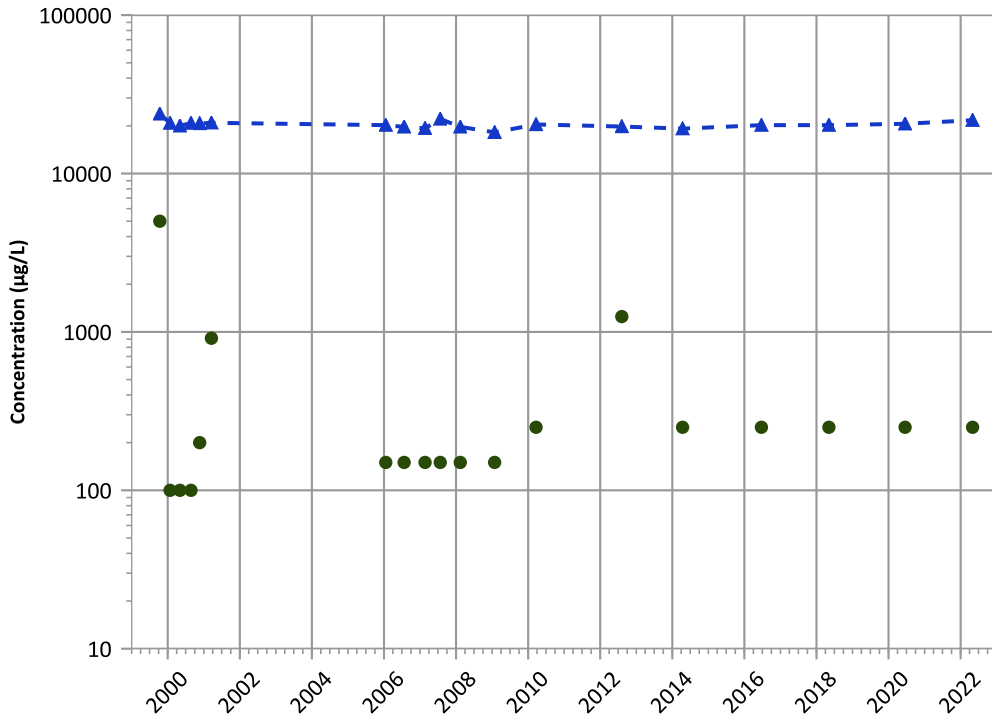
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

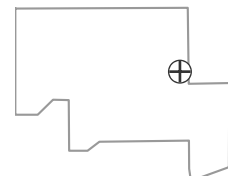
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

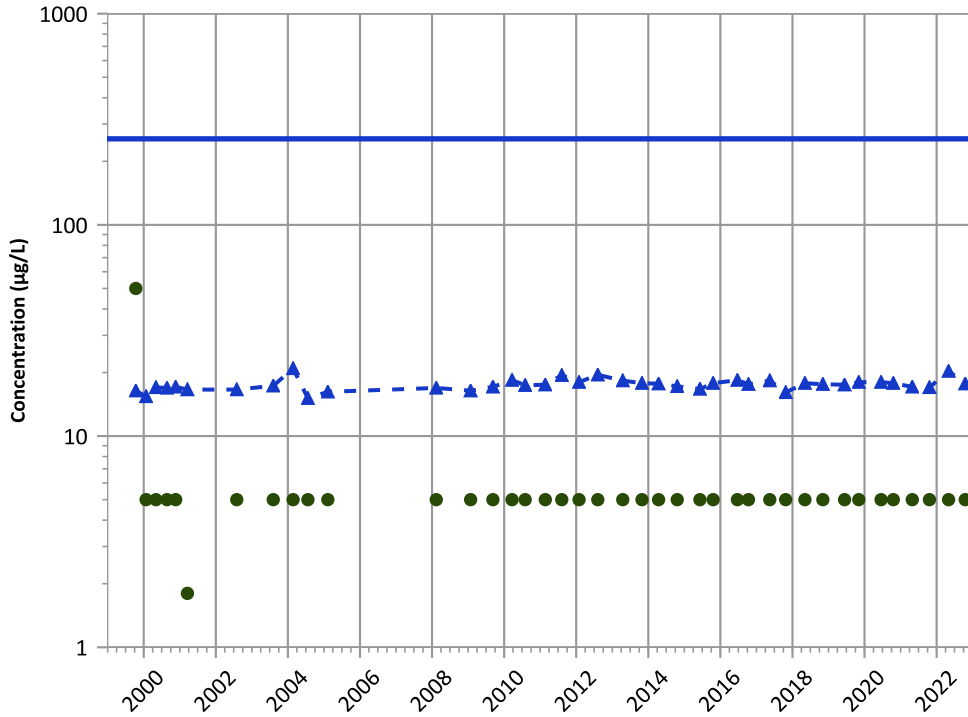
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/13/1999 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



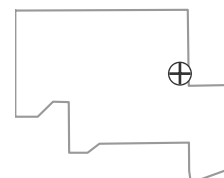
**PTX06-1044 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**



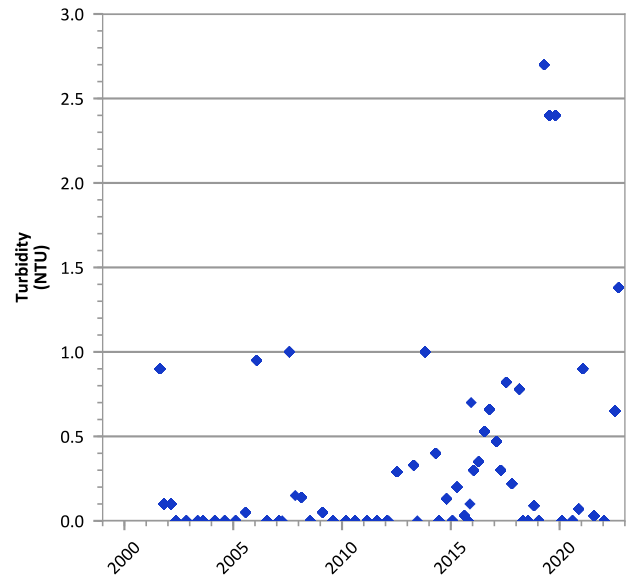
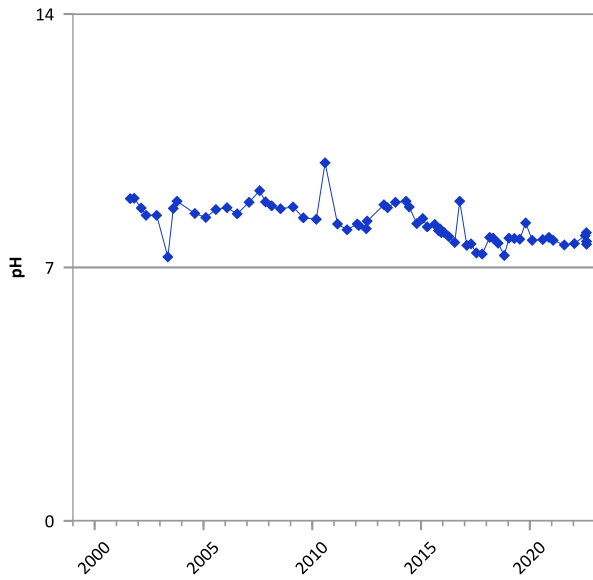
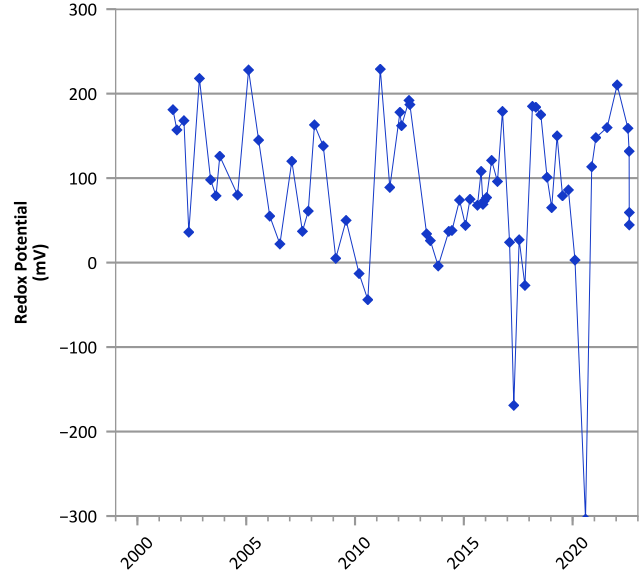
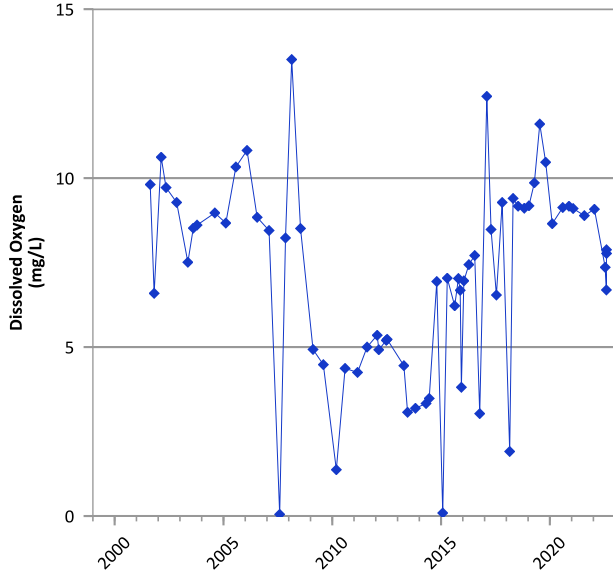
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/13/1999 to 10/18/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

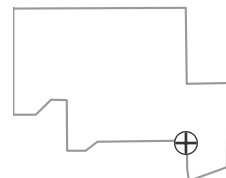


**PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



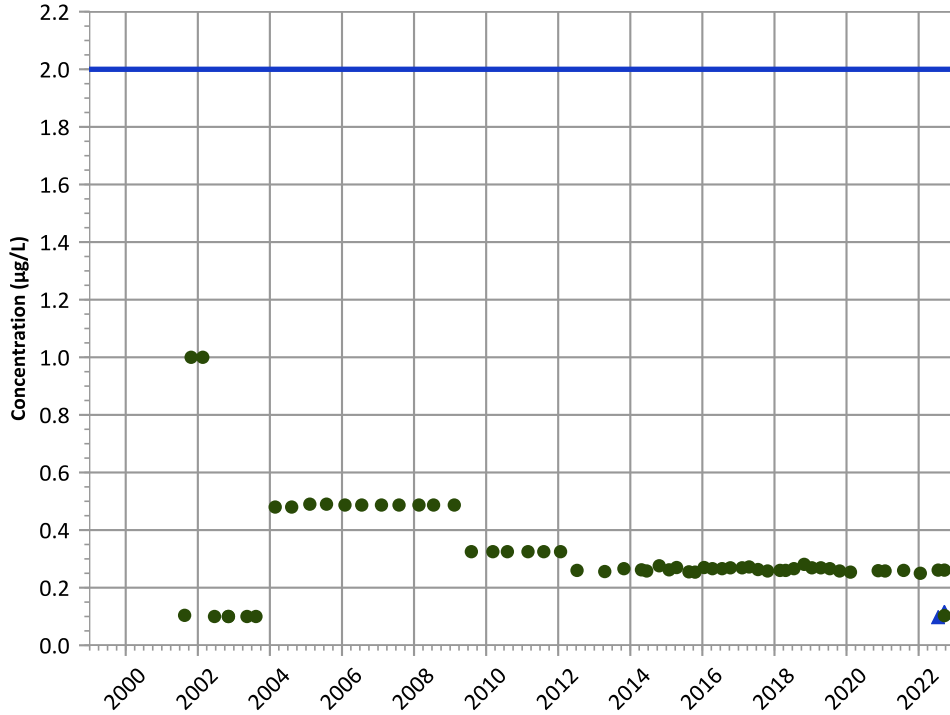
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/09/2000 to 09/19/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

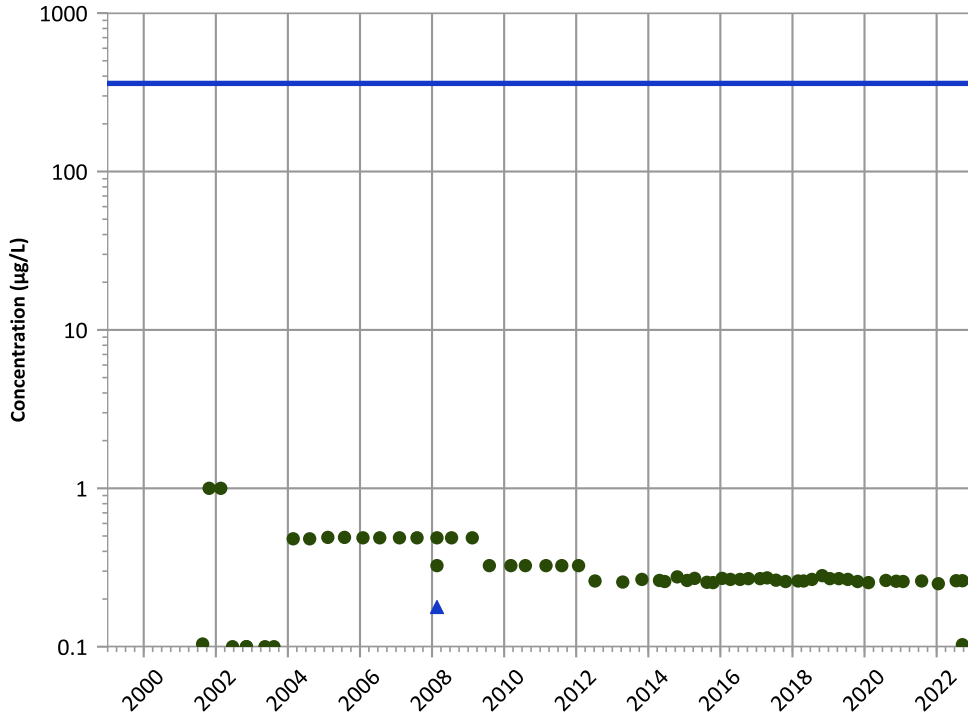
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

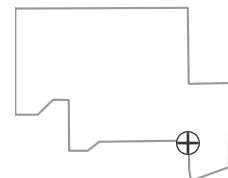
MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

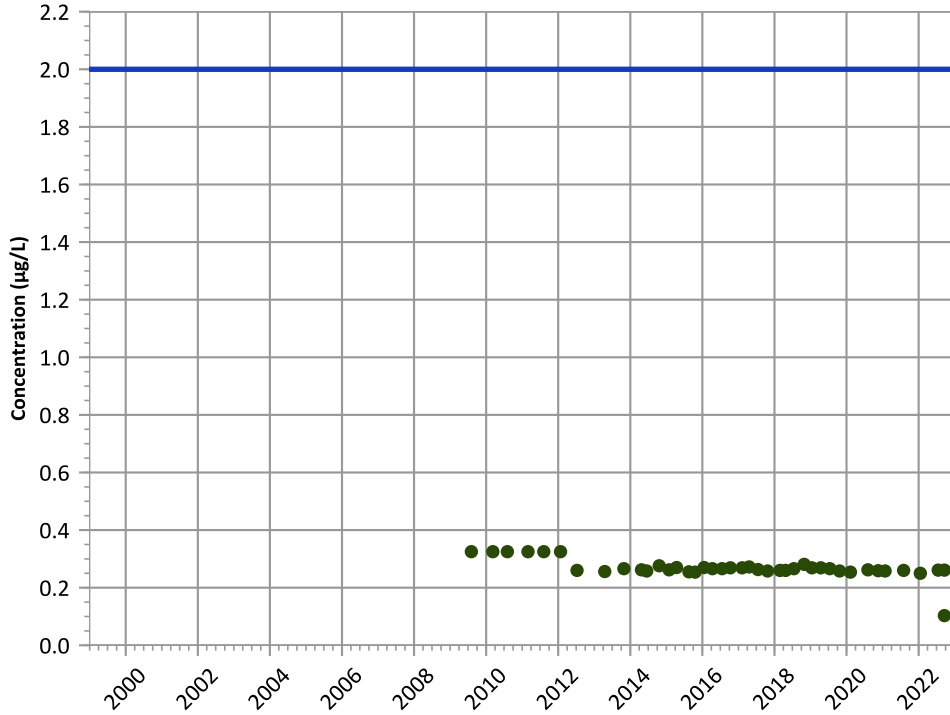
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

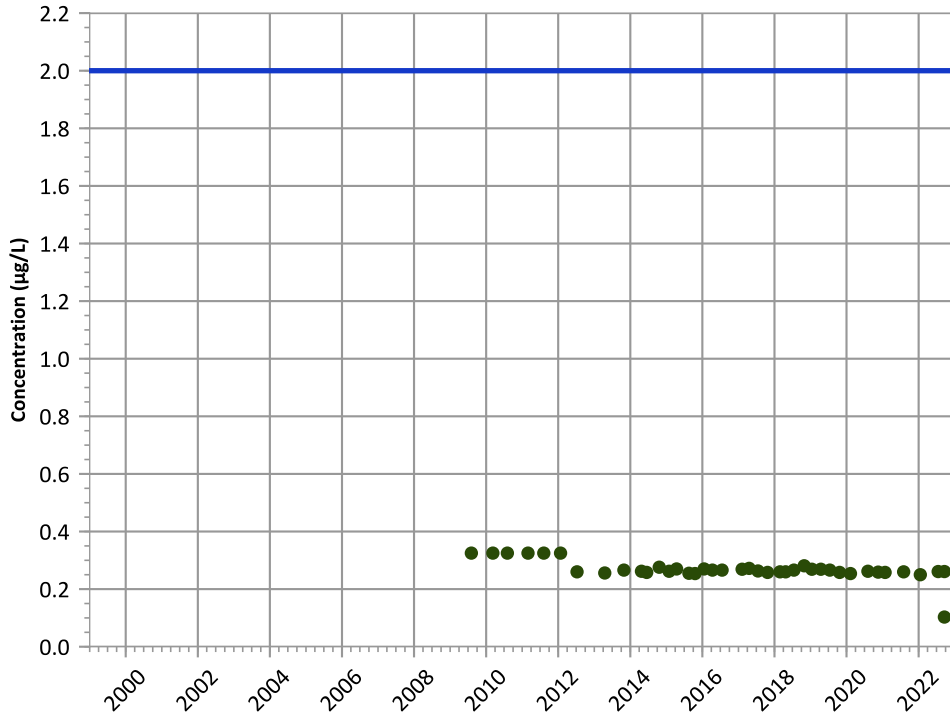
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

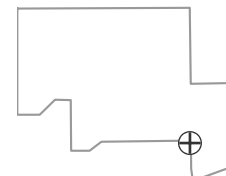
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

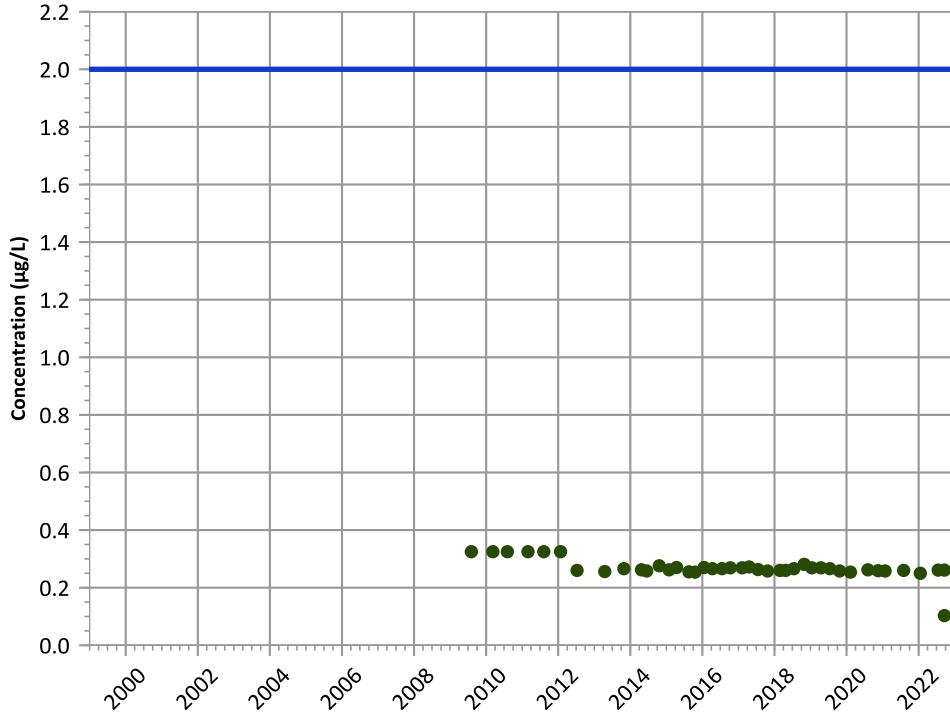
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

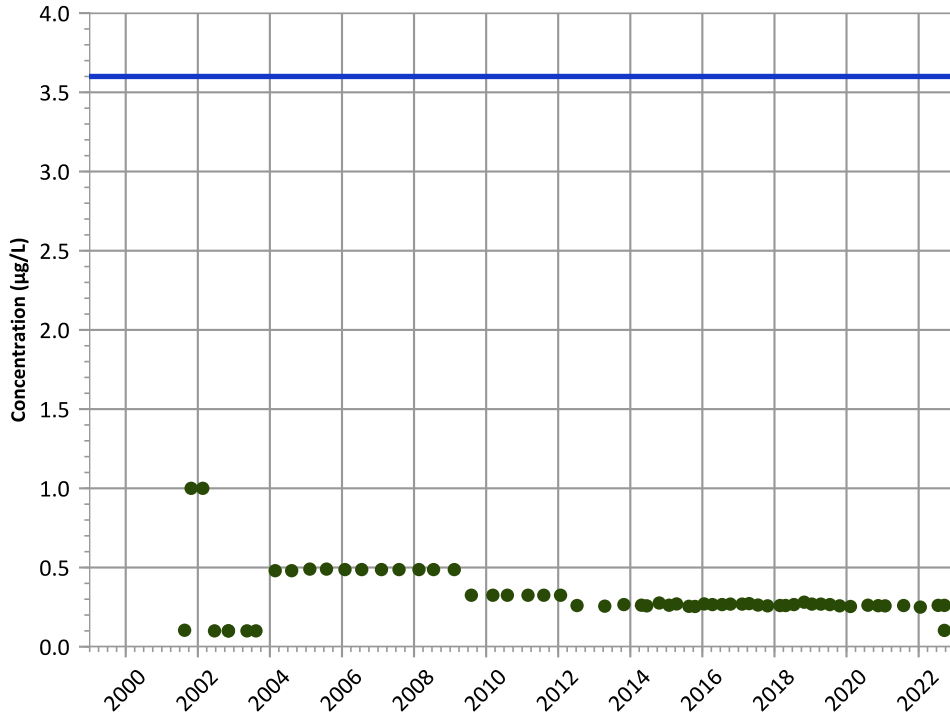
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

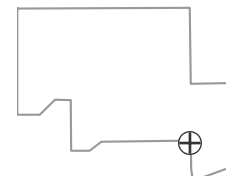
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

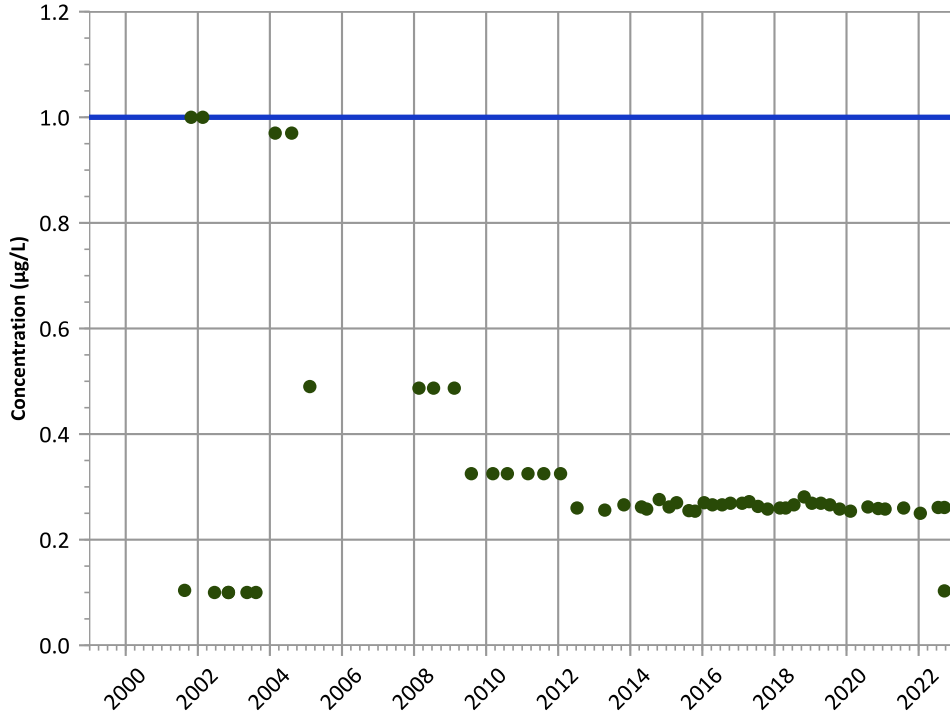
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 2,4-Dinitrotoluene Trend



**Concentration Trend**

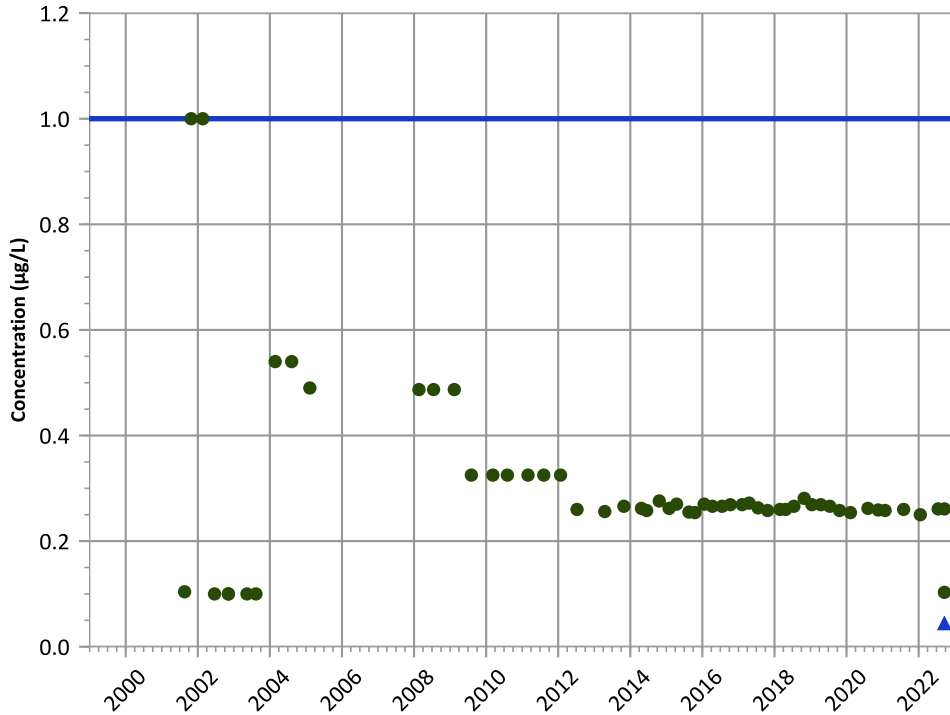
**MAROS Mann-Kendall Method**

All Data:  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

**MAROS Linear Regression Method**

All Data:  
 All Non-Detect  
 2020 - 2022 Data:  
 All Non-Detect

2,6-Dinitrotoluene Trend



**Concentration Trend**

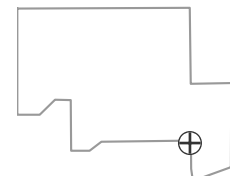
**MAROS Mann-Kendall Method**

All Data:  
 N/A (<4 Detections in Dataset)  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
 N/A (<4 Detections in Dataset)  
 2020 - 2022 Data:  
 N/A (<4 Detections in Dataset)

**Well Location**



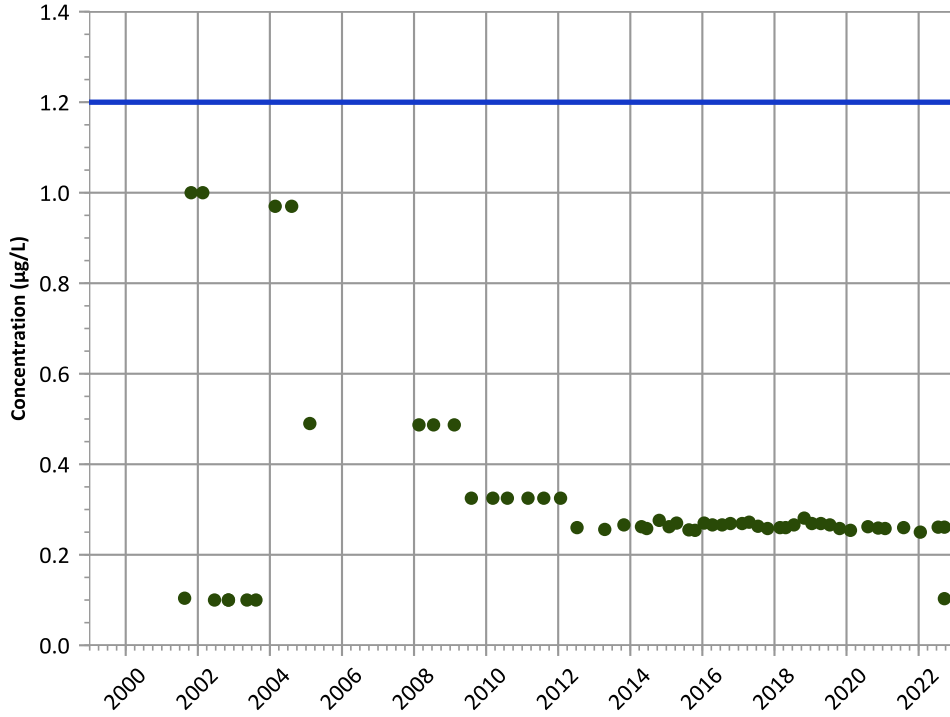
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/09/2000 to 09/19/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

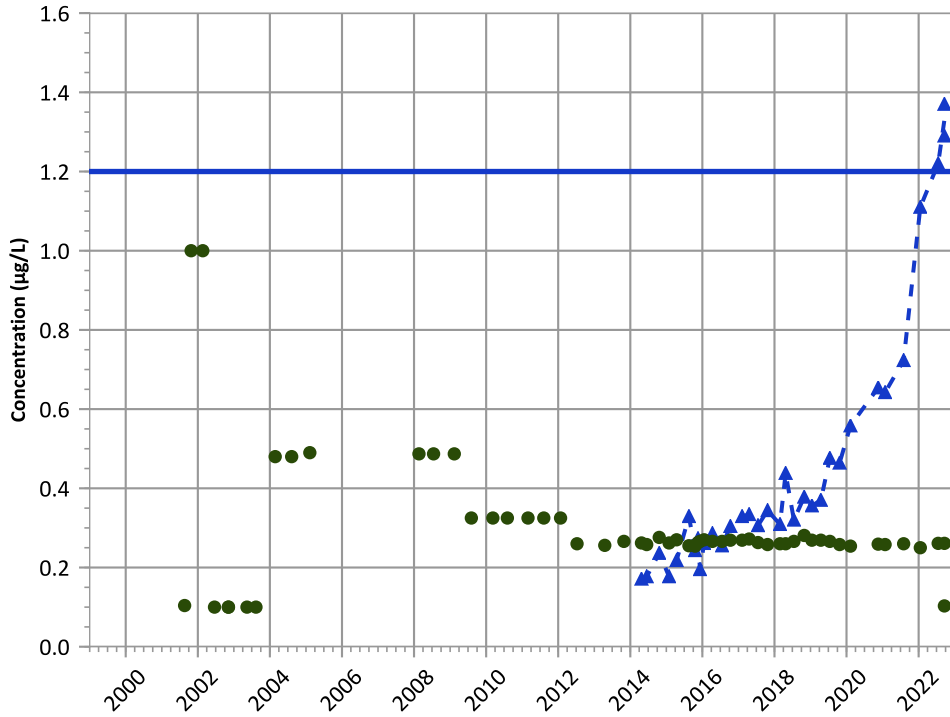
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
Increasing

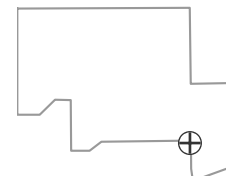
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

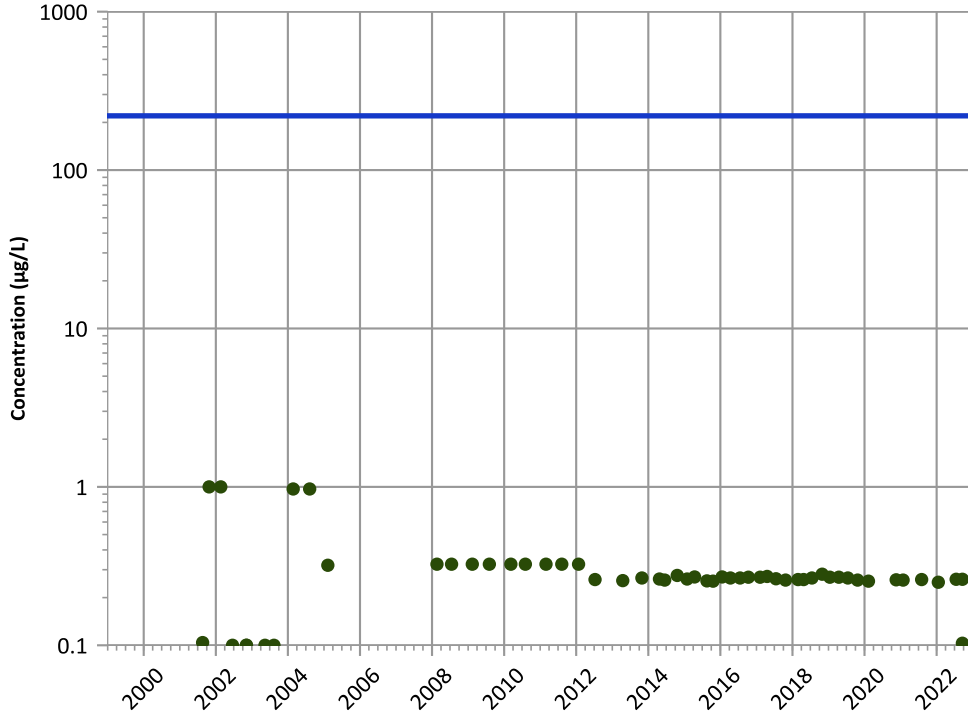
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

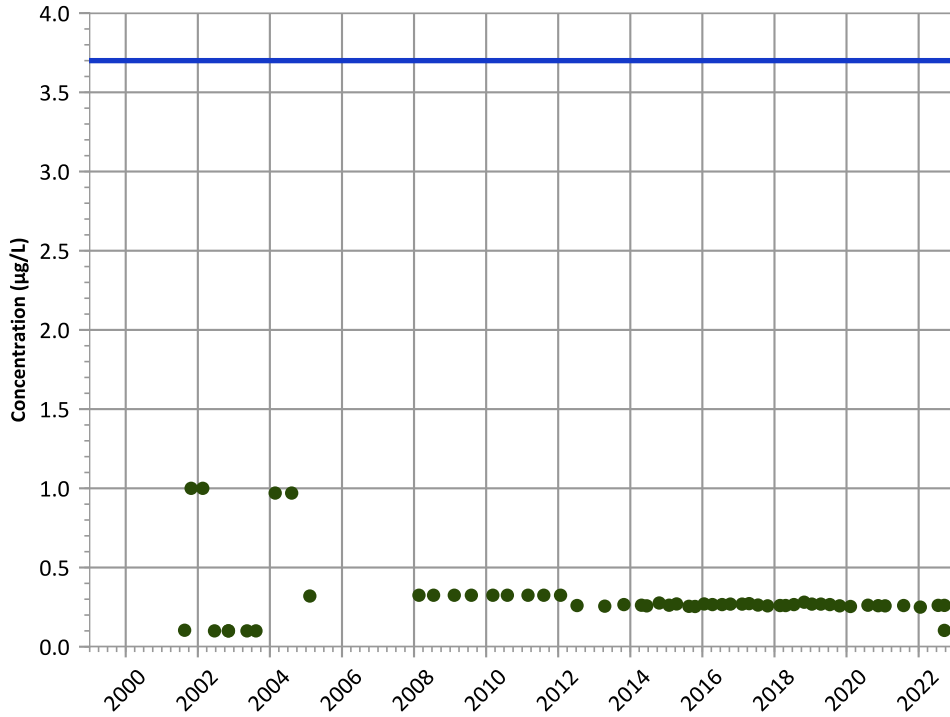
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

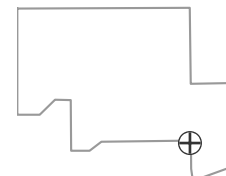
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

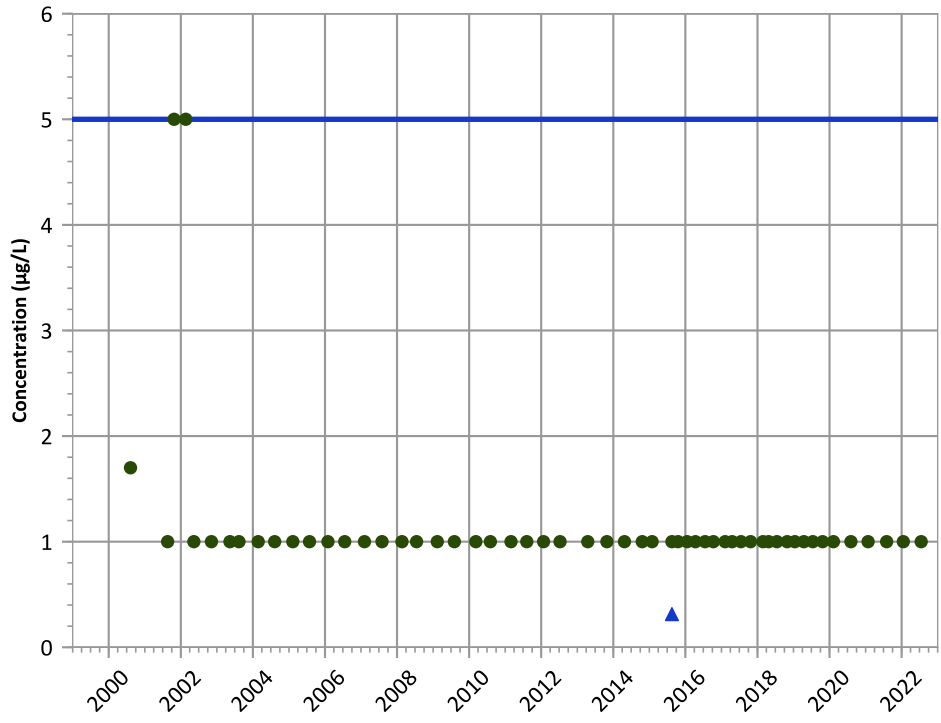
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

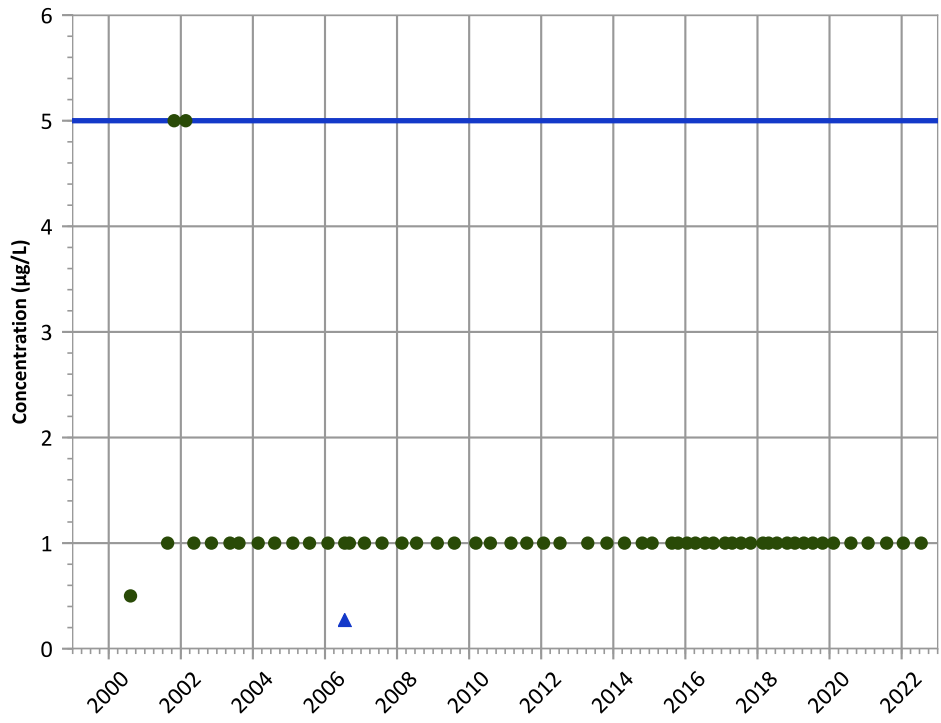


**Concentration Trend**

**MAROS Mann-Kendall Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**

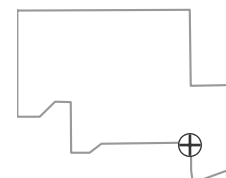


**Concentration Trend**

**MAROS Mann-Kendall Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

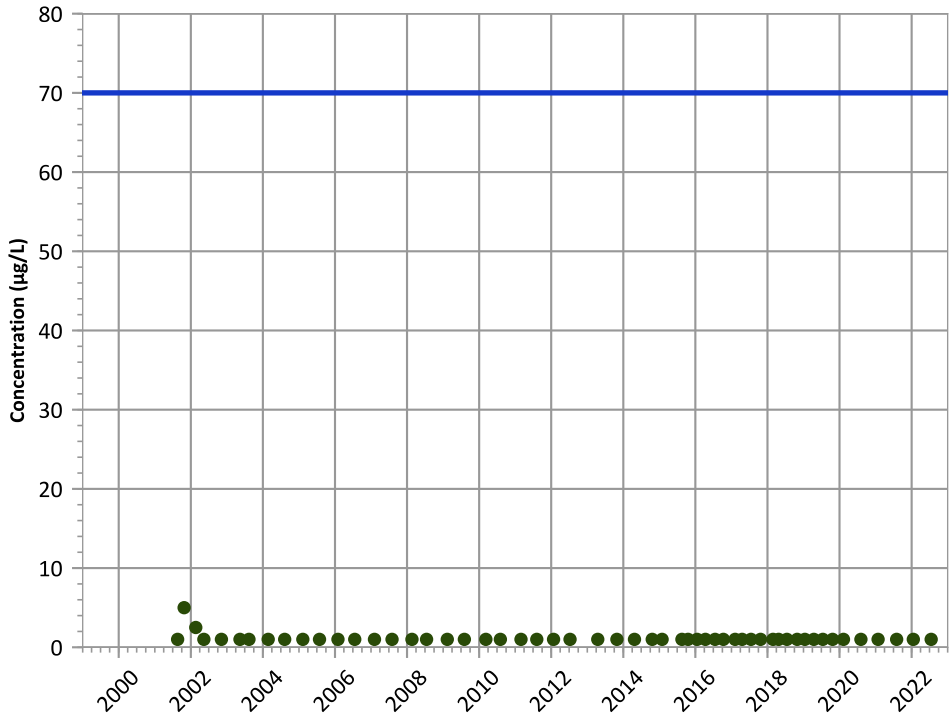
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**  
**cis-1,2-Dichloroethene Trend**



**Concentration Trend**

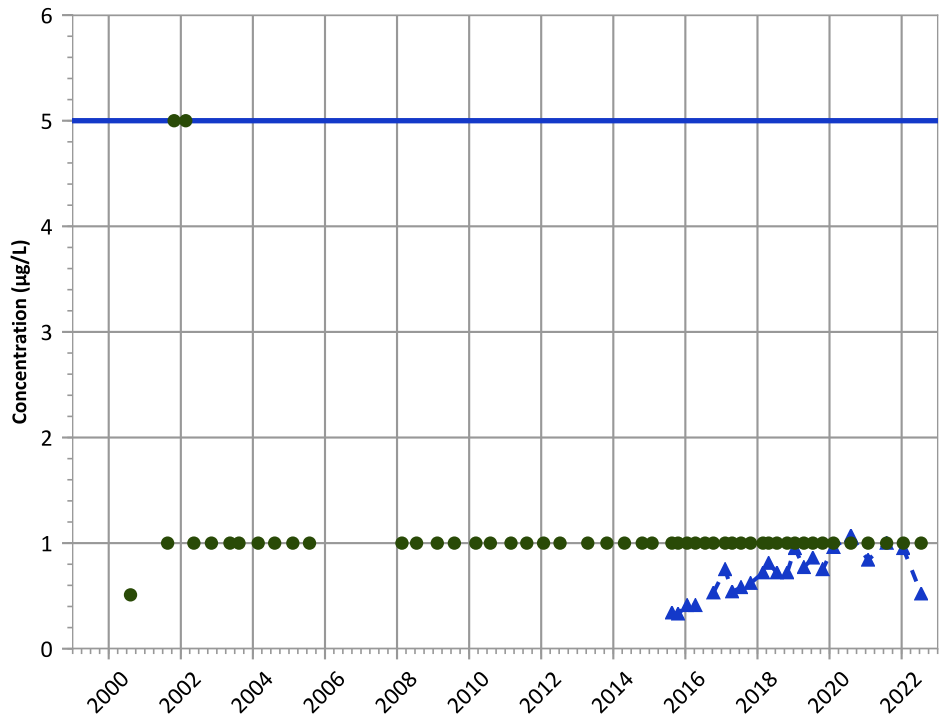
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Increasing  
2020 - 2022 Data:  
Decreasing

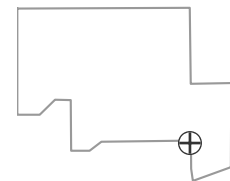
**MAROS Linear Regression Method**

All Data:  
Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

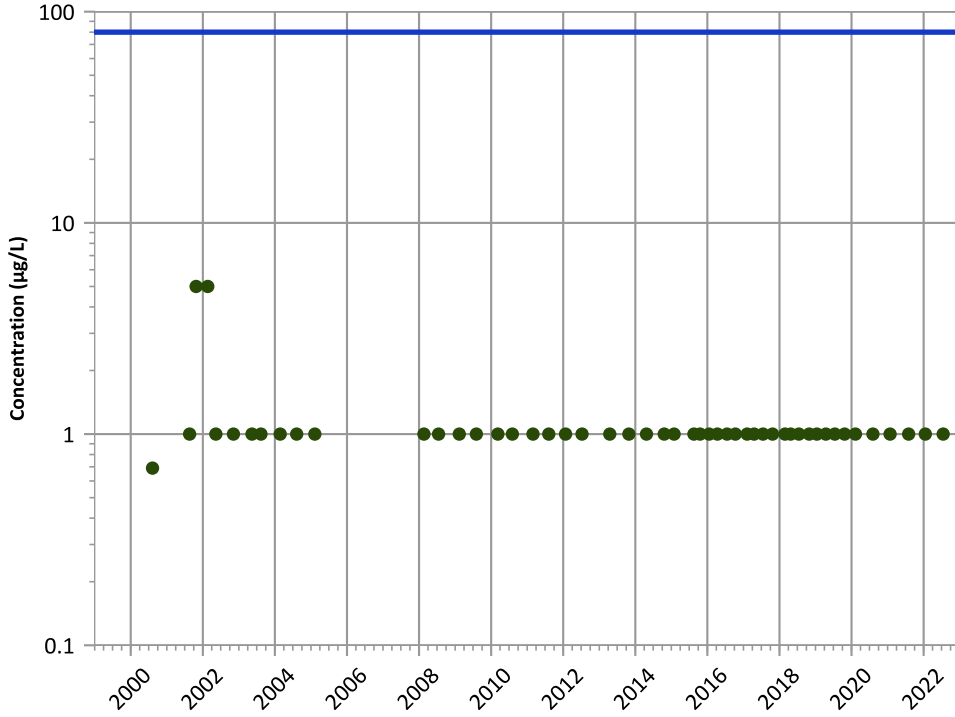
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

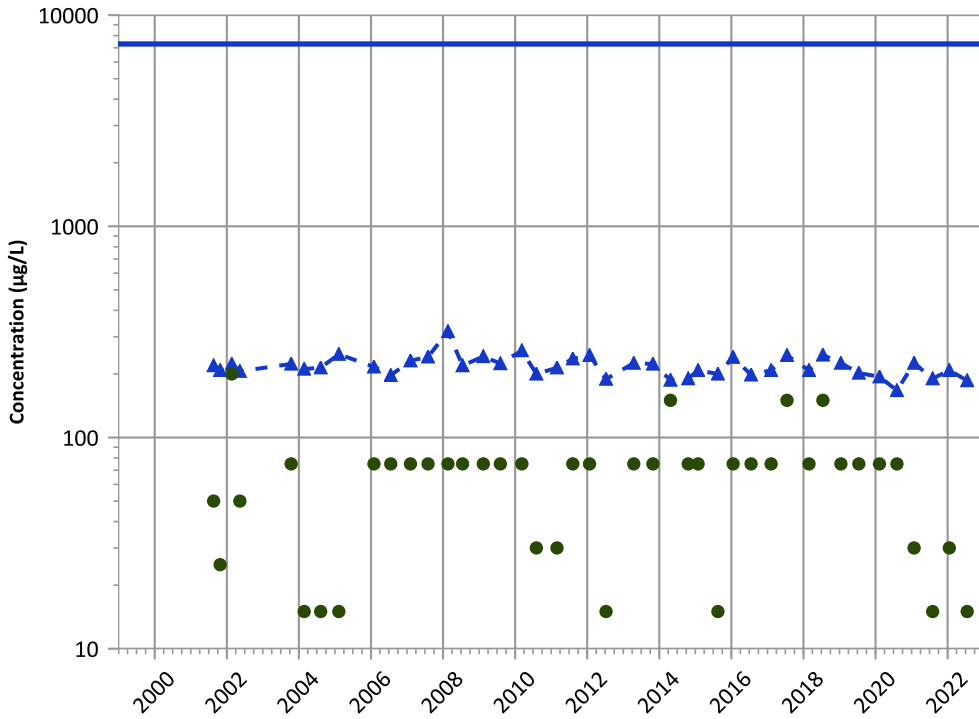
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

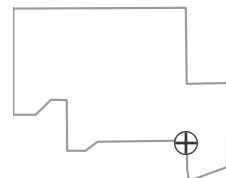
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

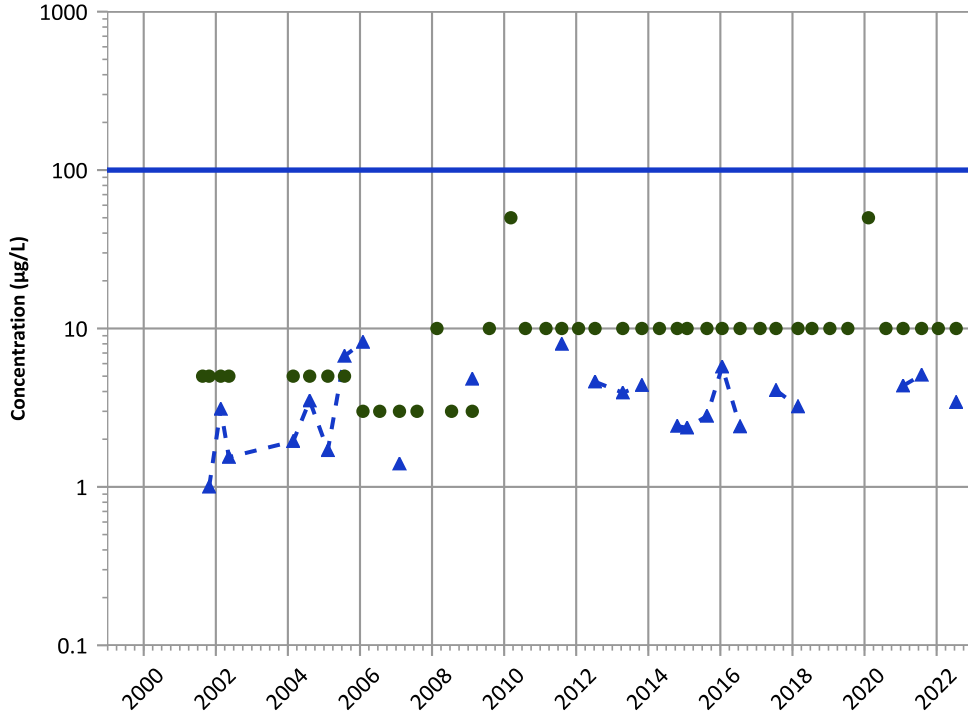
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

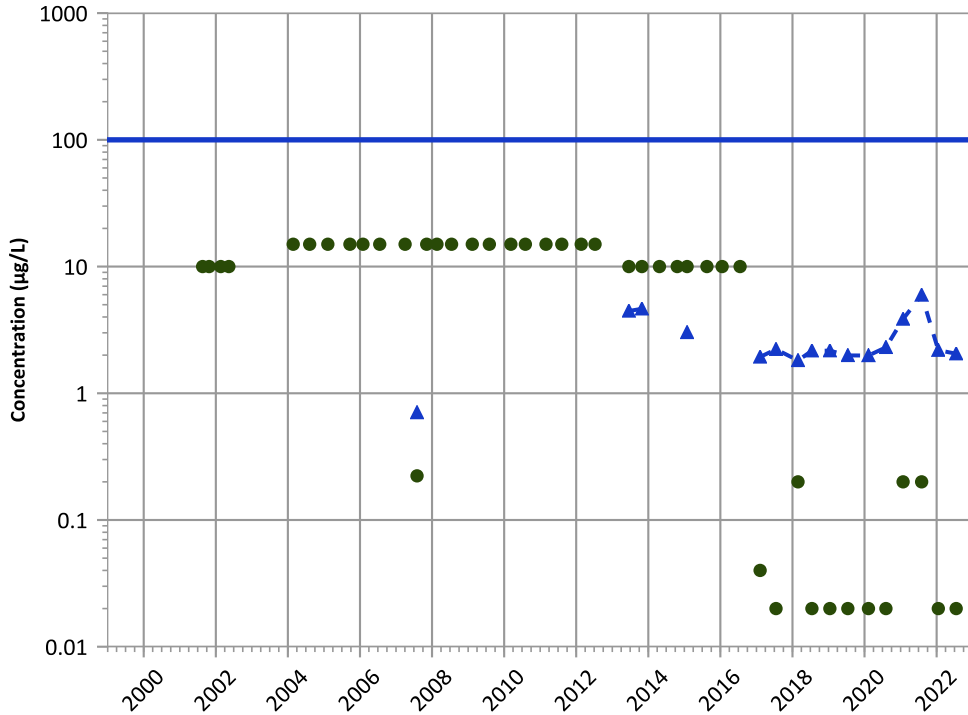
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

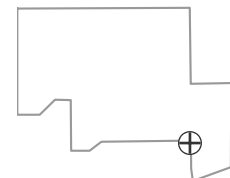
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

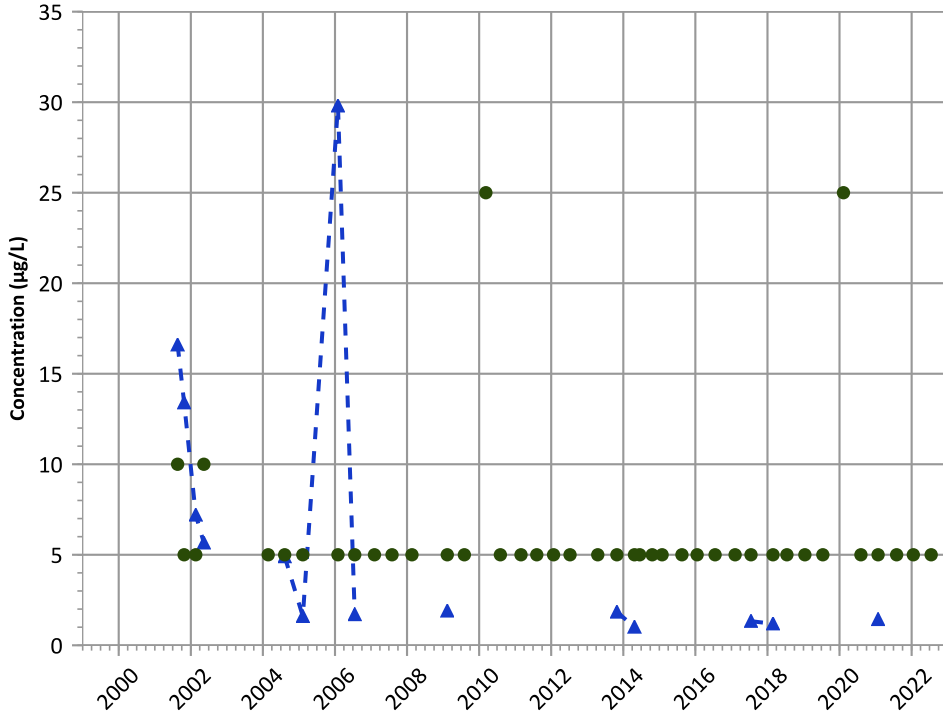
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

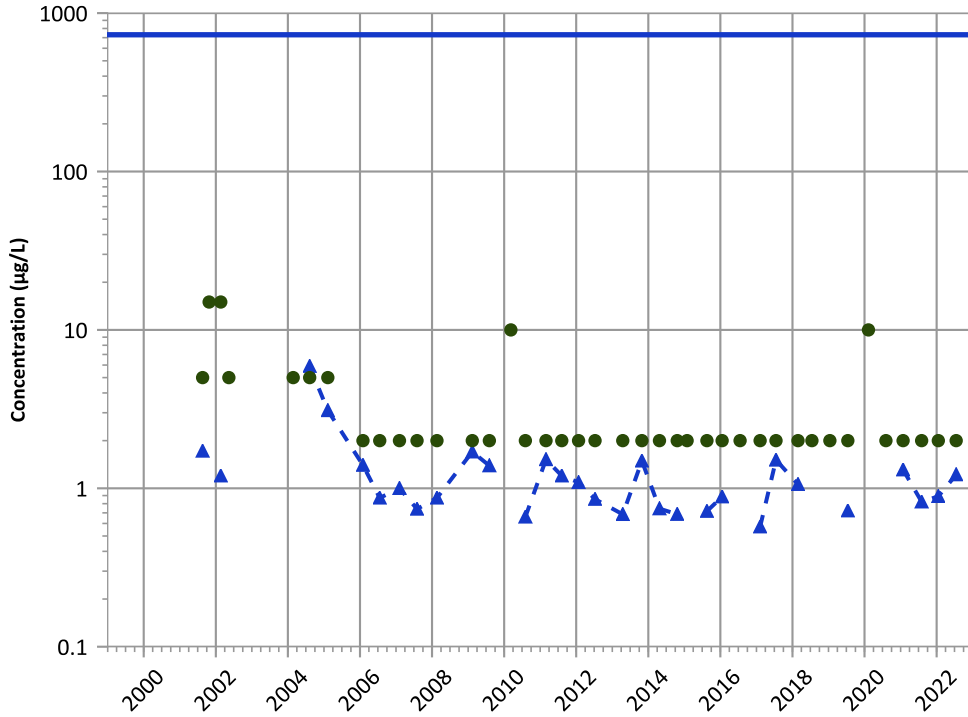
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

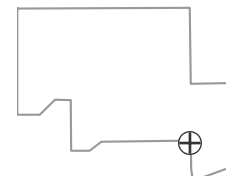
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

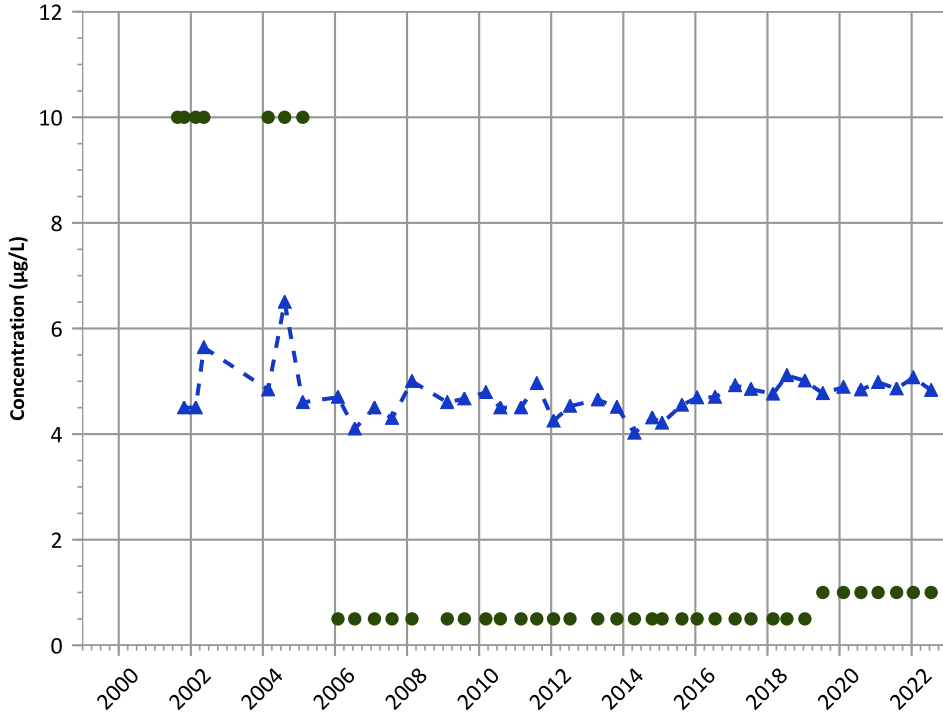
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

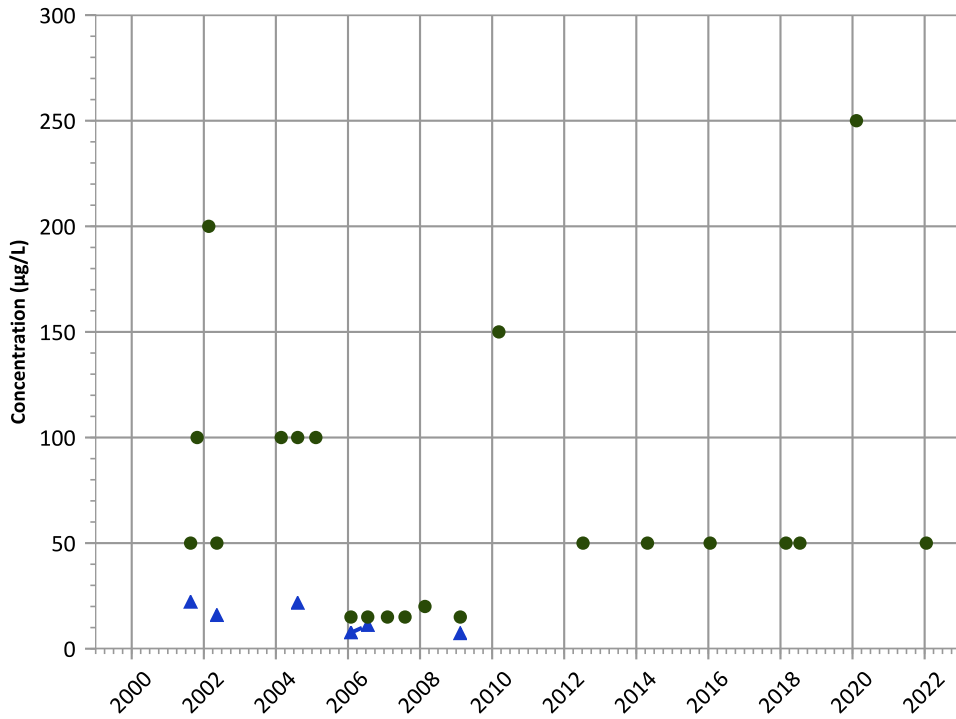
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Aluminum Trend



Concentration Trend

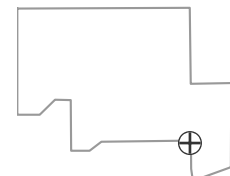
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Well Location



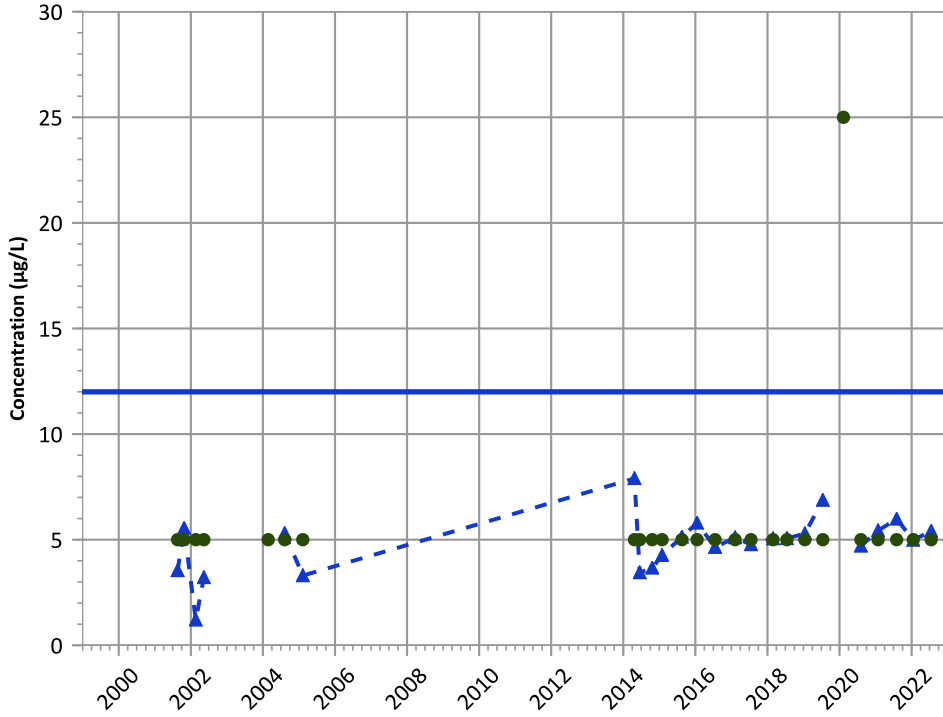
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

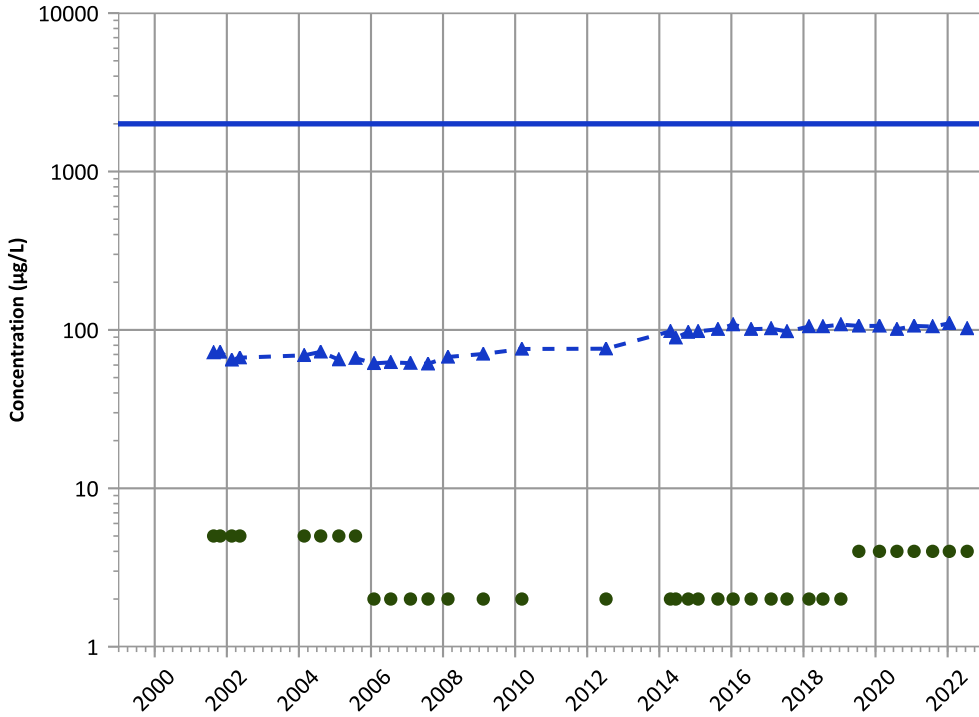
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

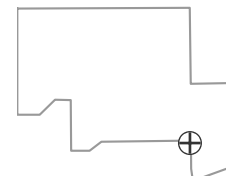
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

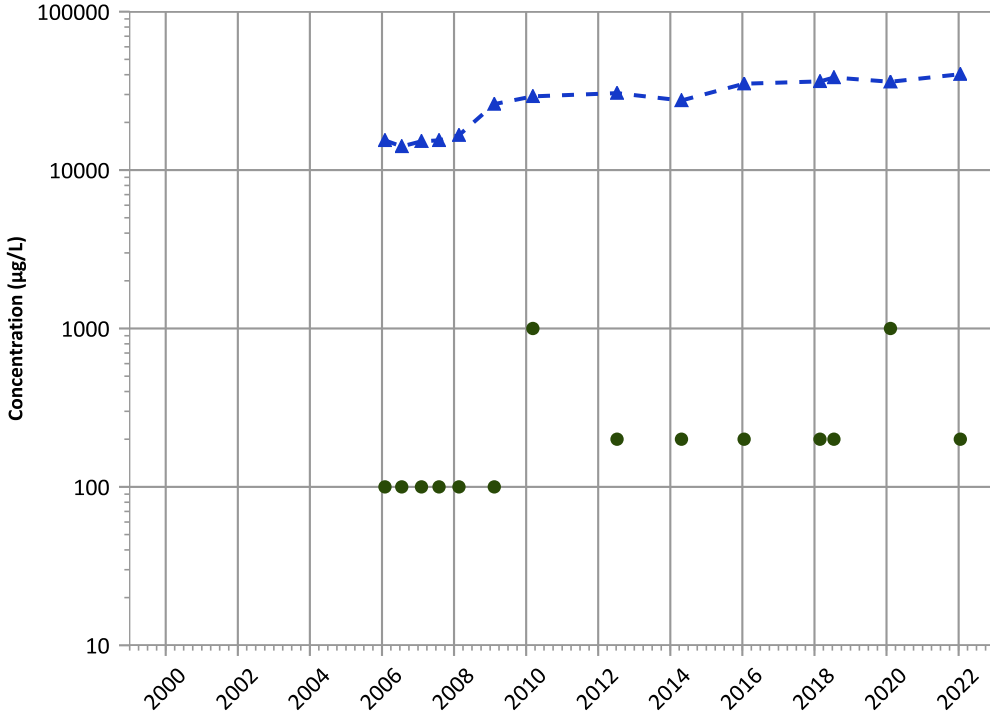
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

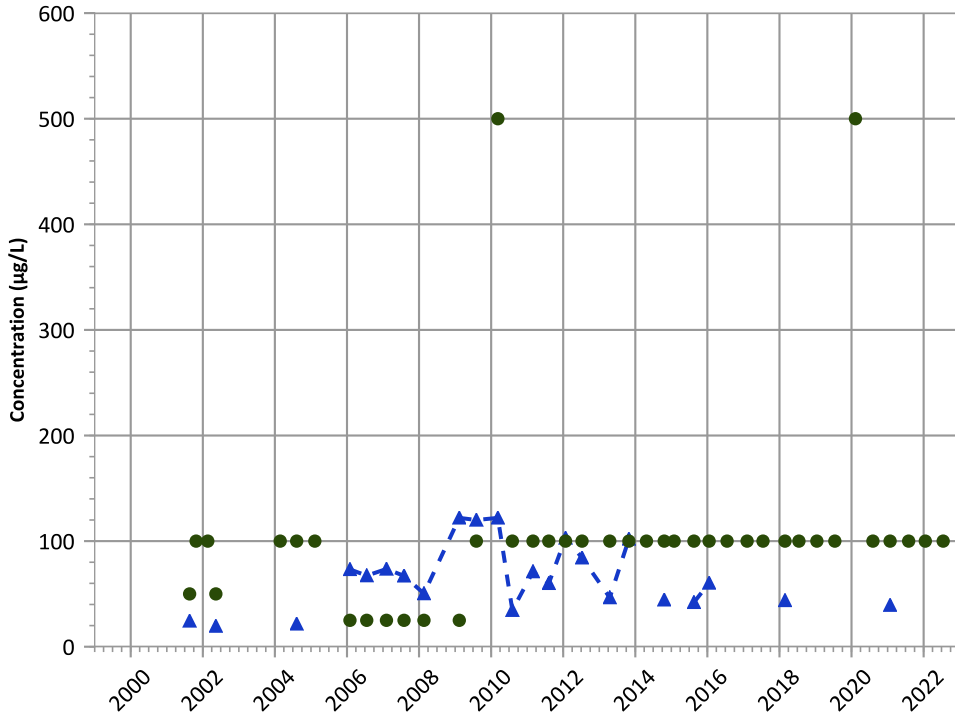
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

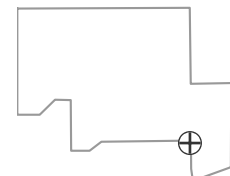
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

Well Location

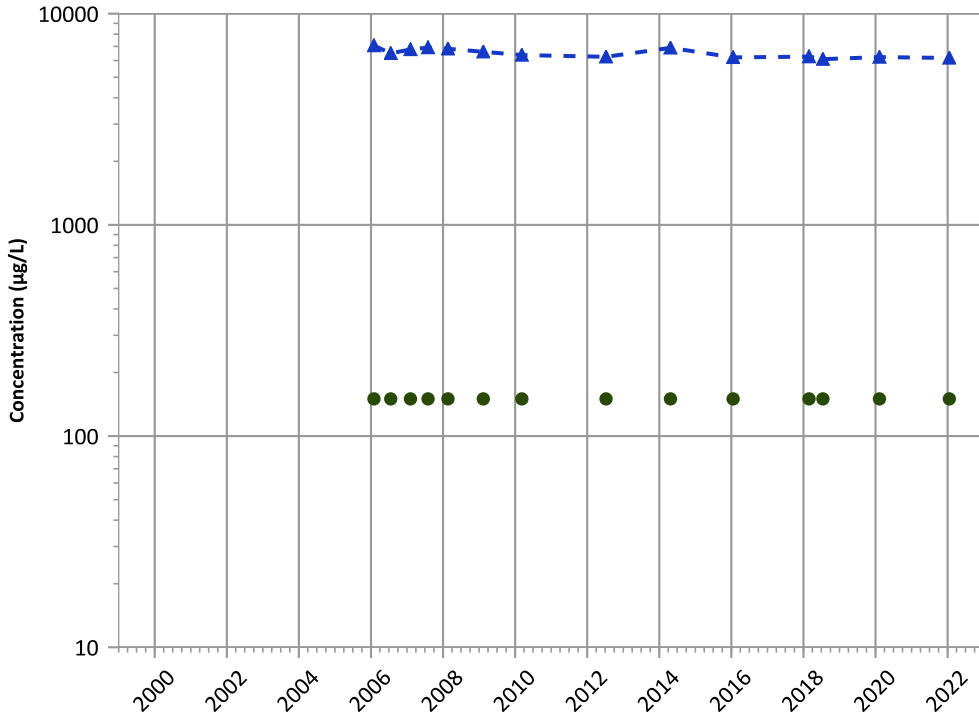


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

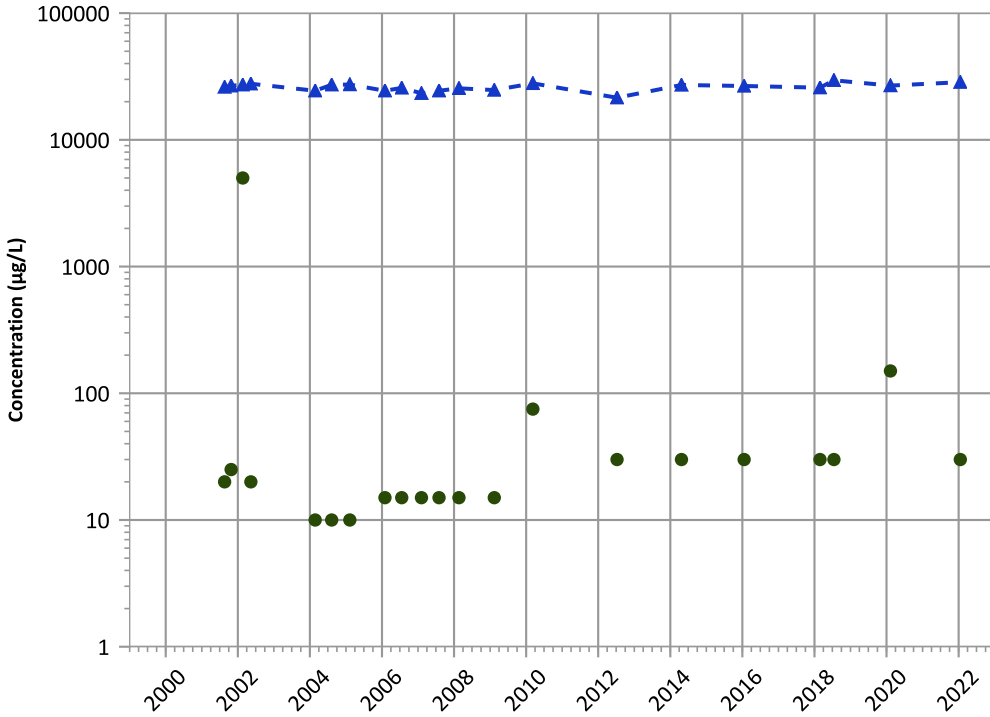
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend

No Trend

2020 - 2022 Data: No Trend

No Trend

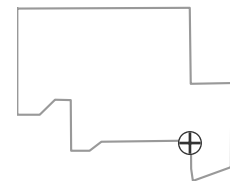
MAROS Linear Regression Method

All Data: Increasing

2020 - 2022 Data: No Trend

No Trend

Well Location

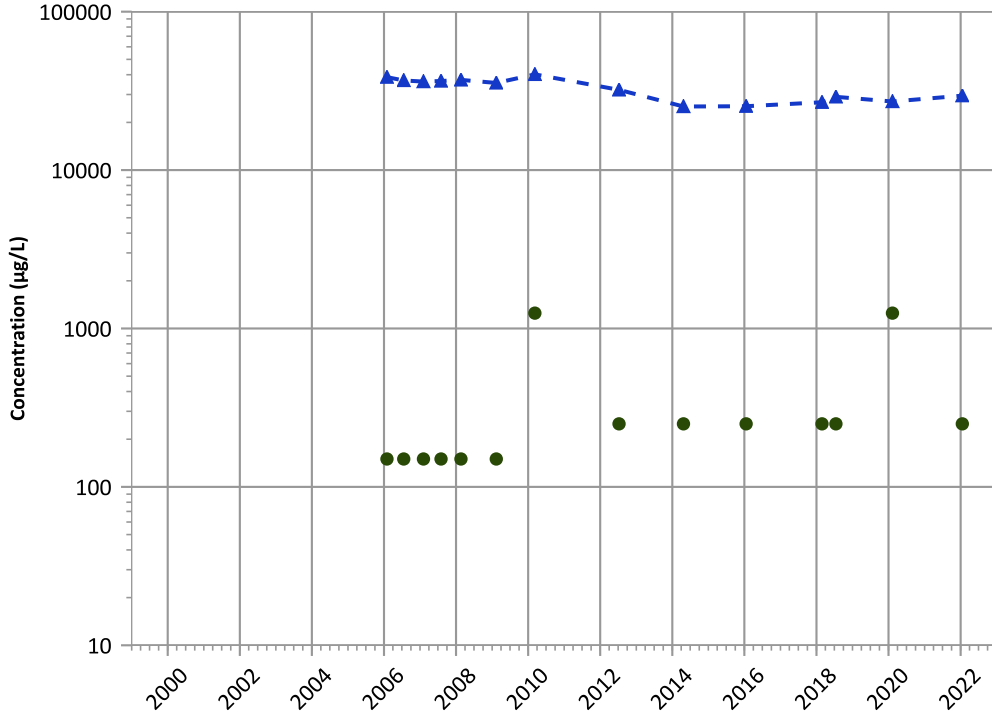


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

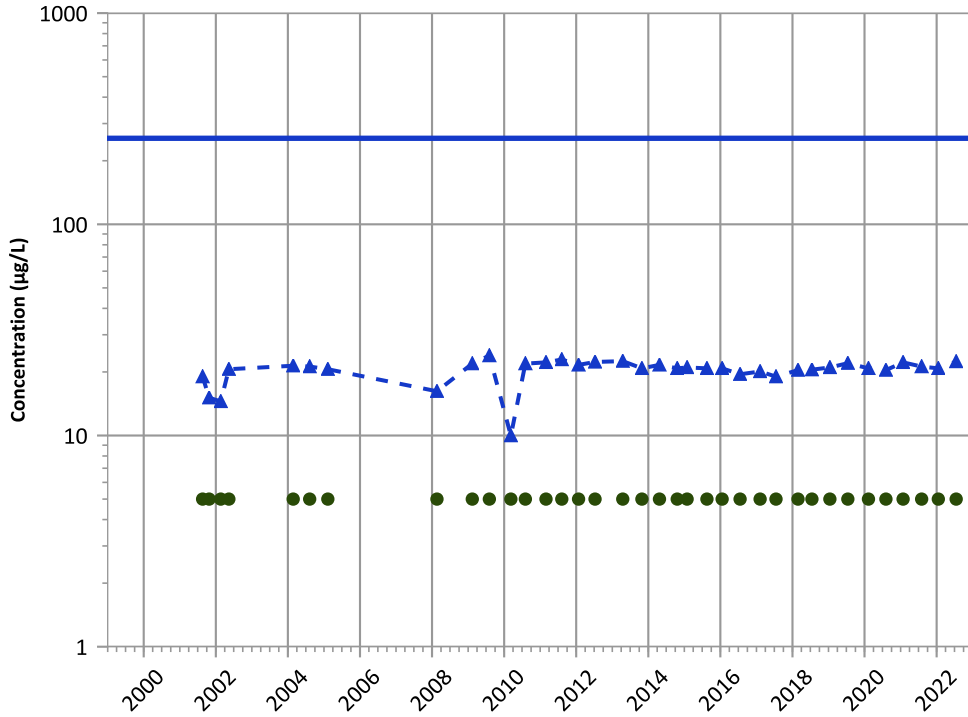
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Vanadium Trend



Concentration Trend

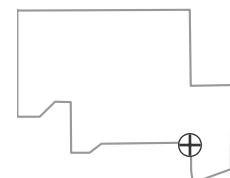
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

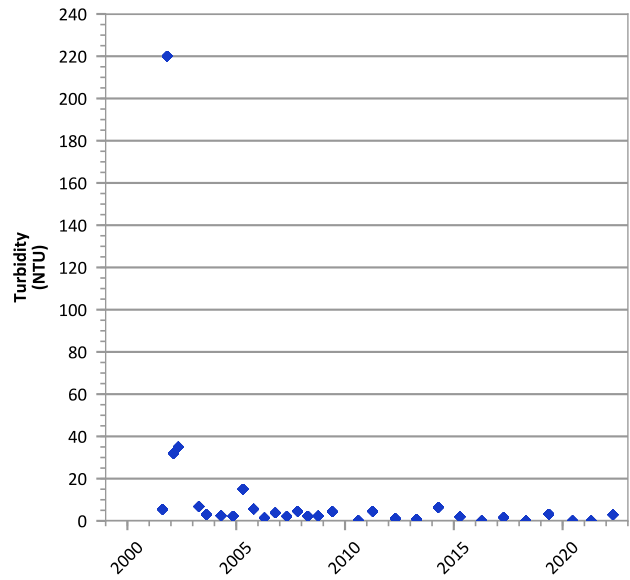
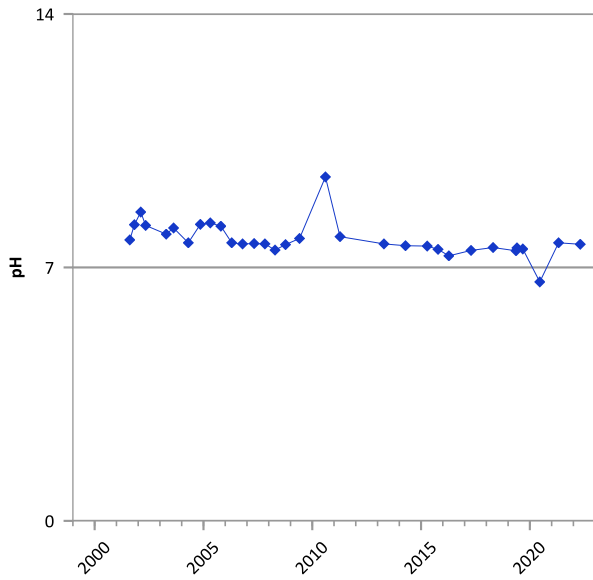
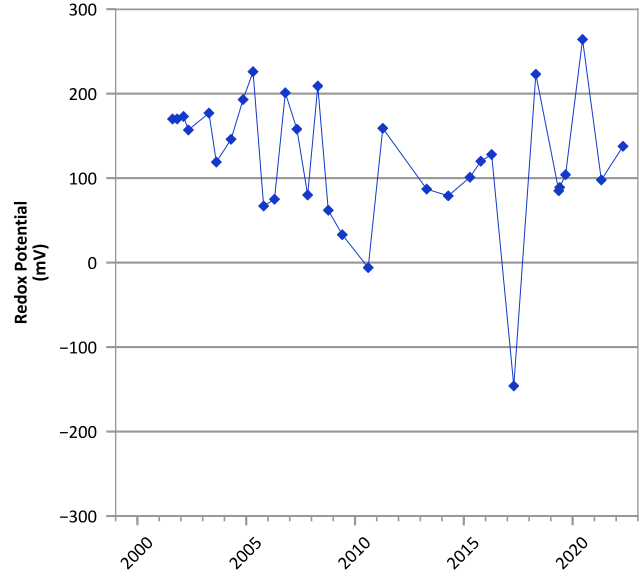
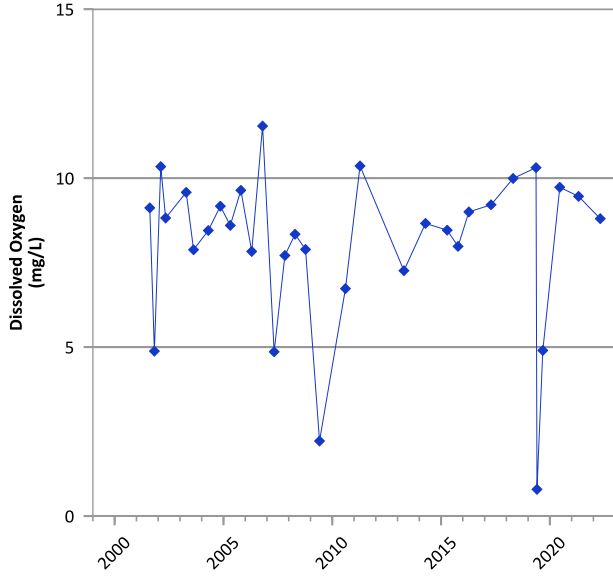
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/09/2000 to 09/19/2022  
Analysis Date: 04/11/2023

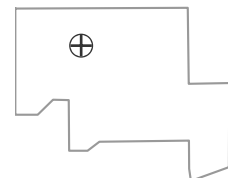
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



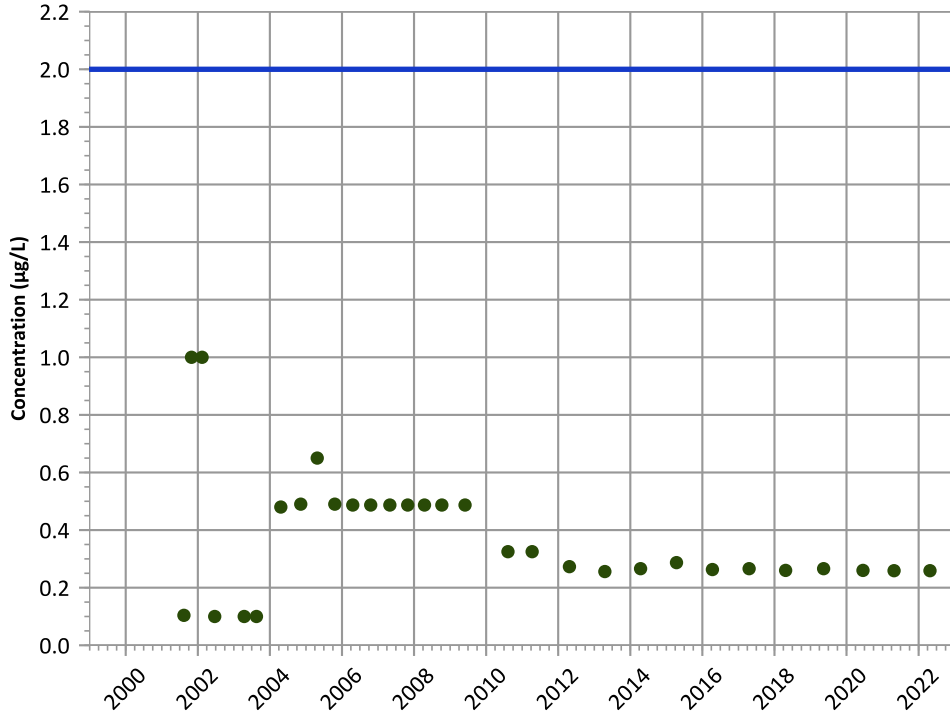
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/13/2001 to 04/26/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

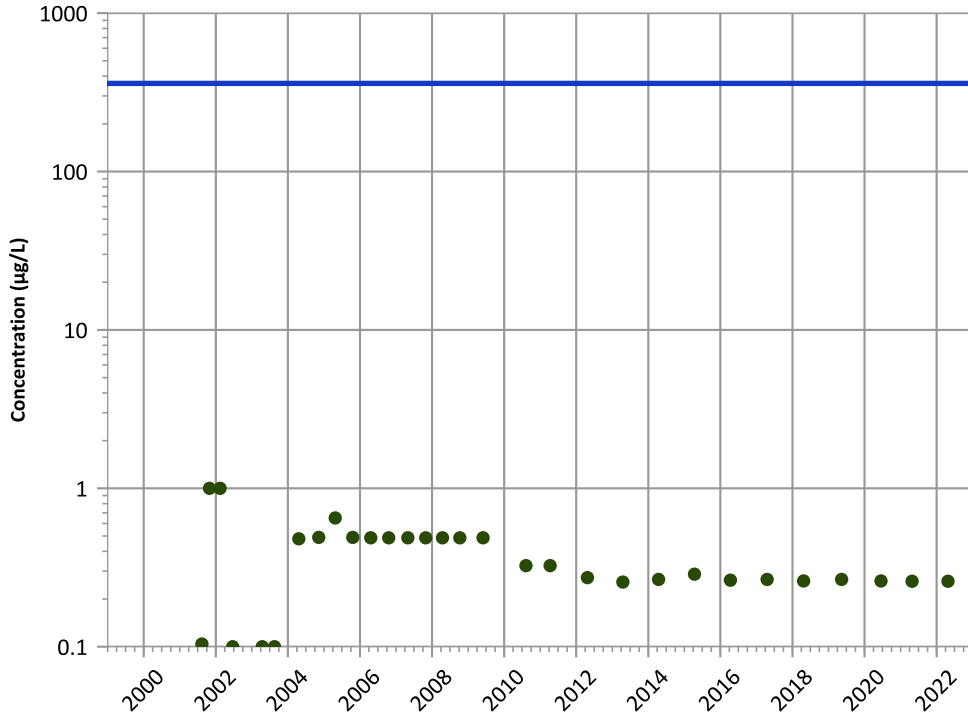
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

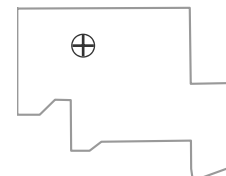
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

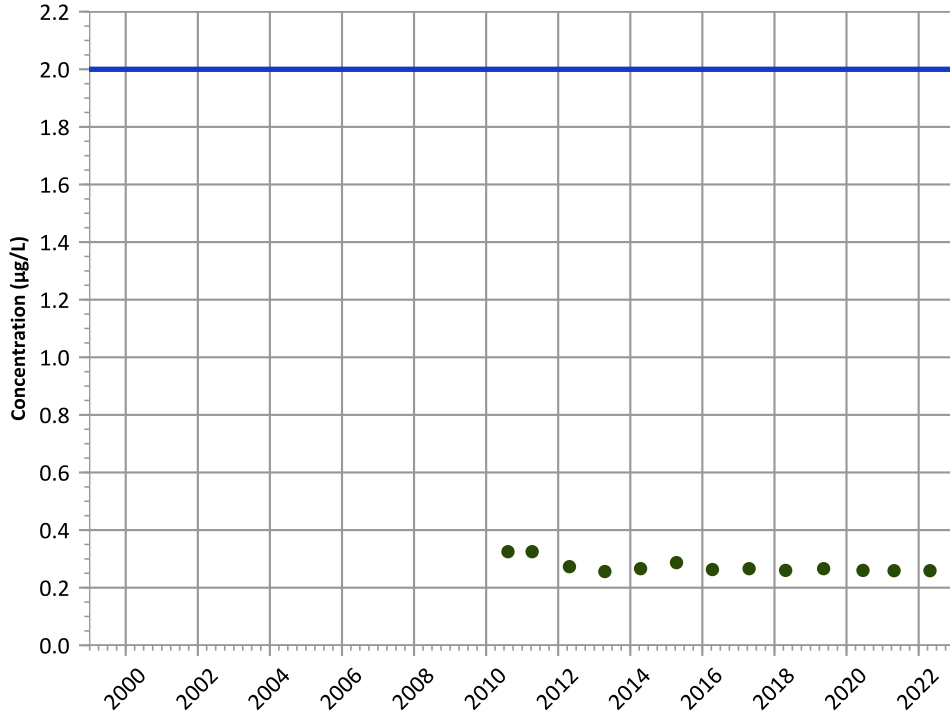
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

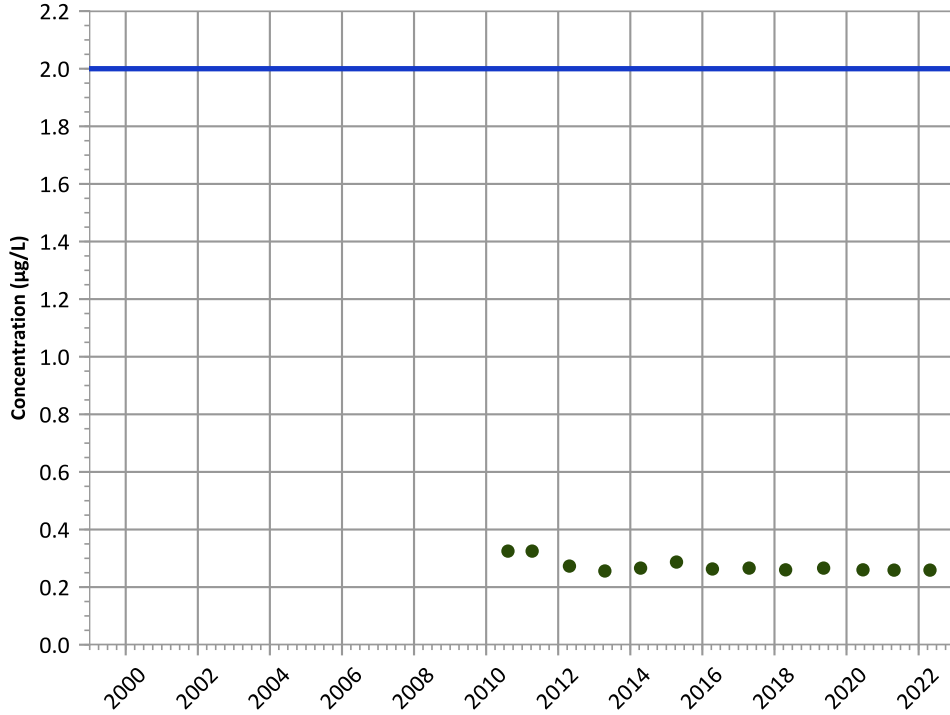
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

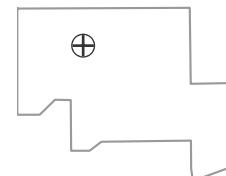
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

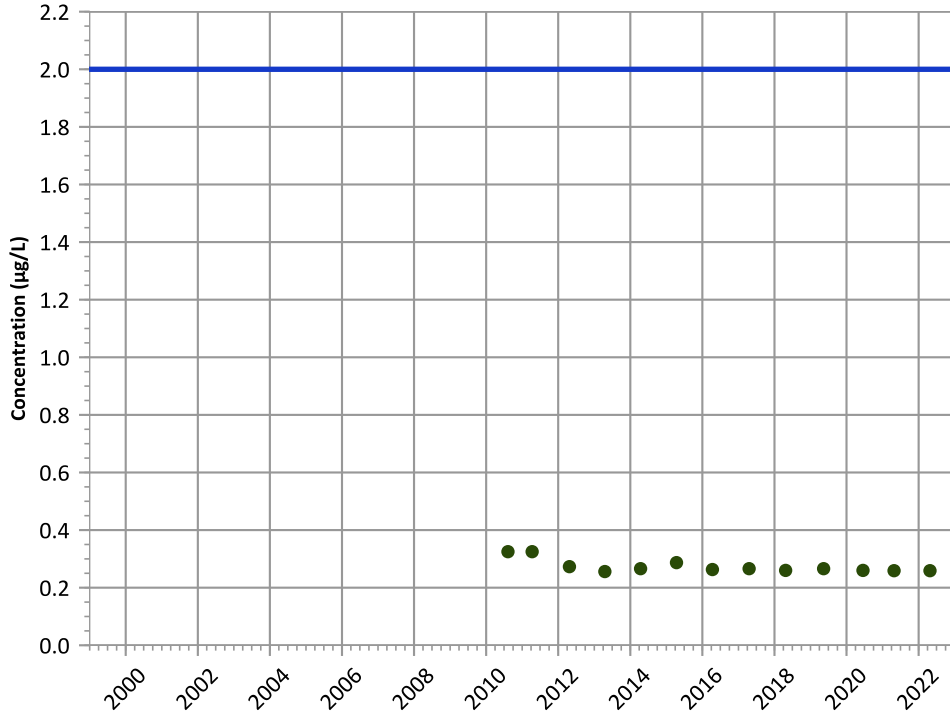
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

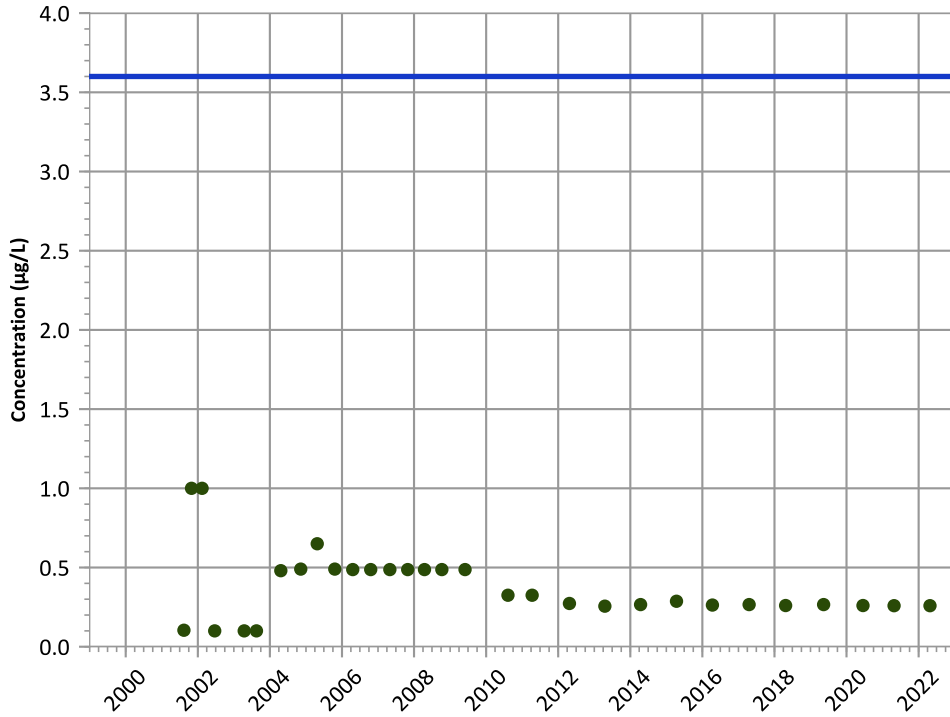
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

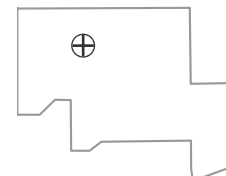
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

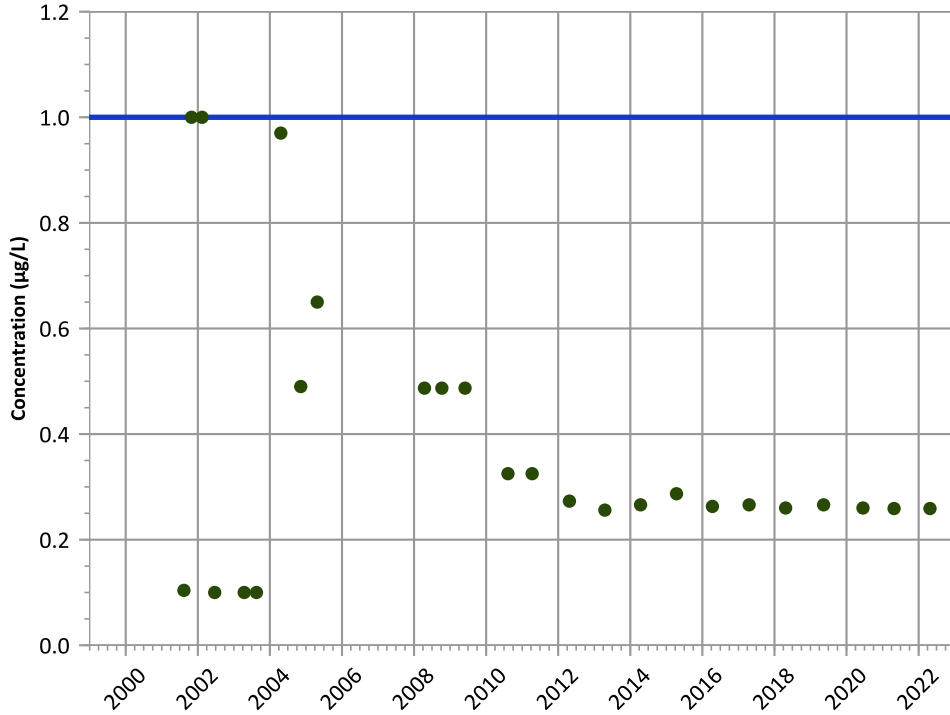
Well Location





PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

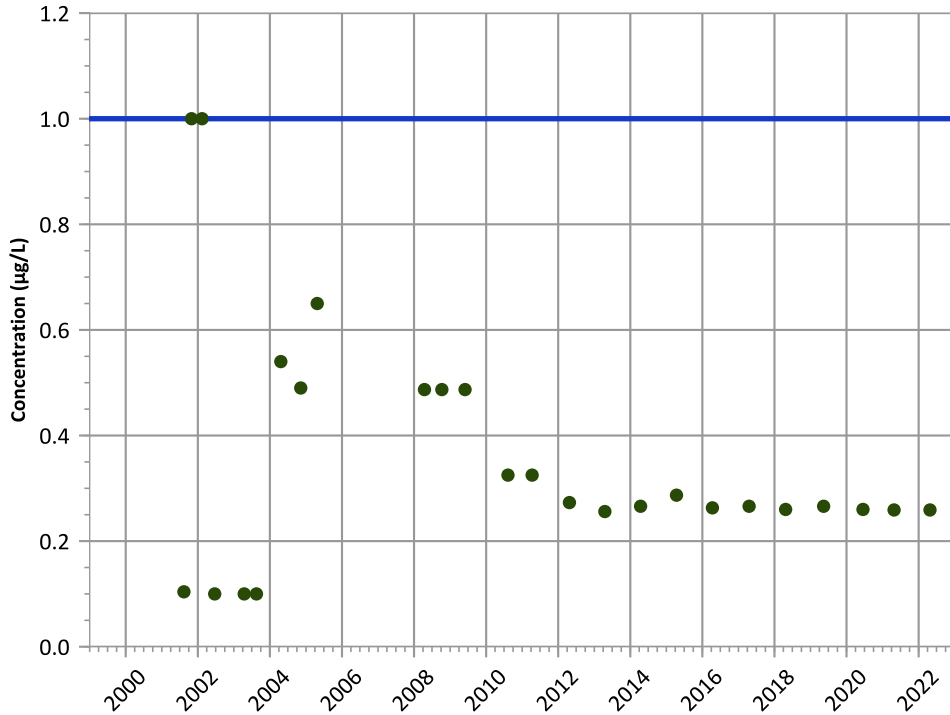
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

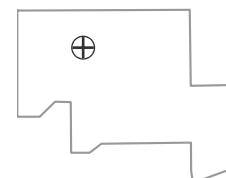
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

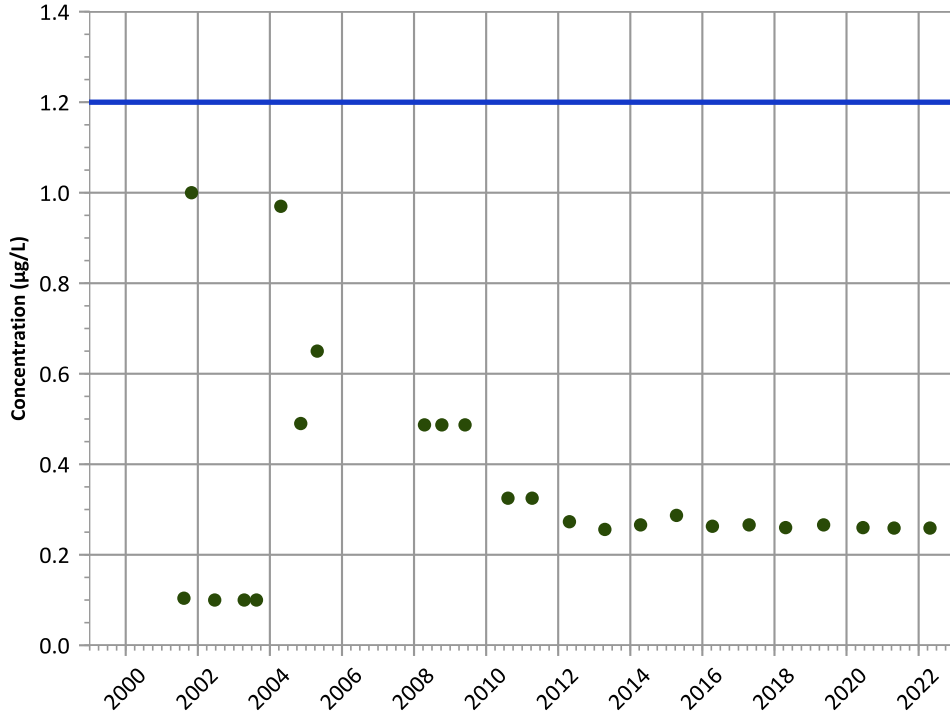


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

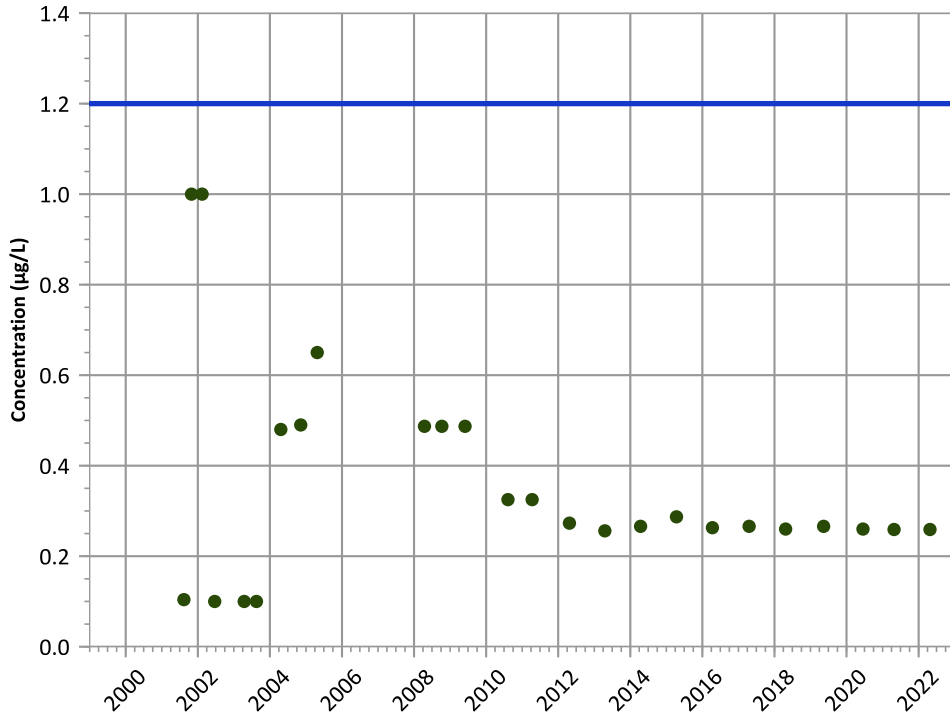
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

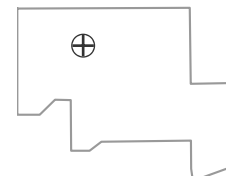
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

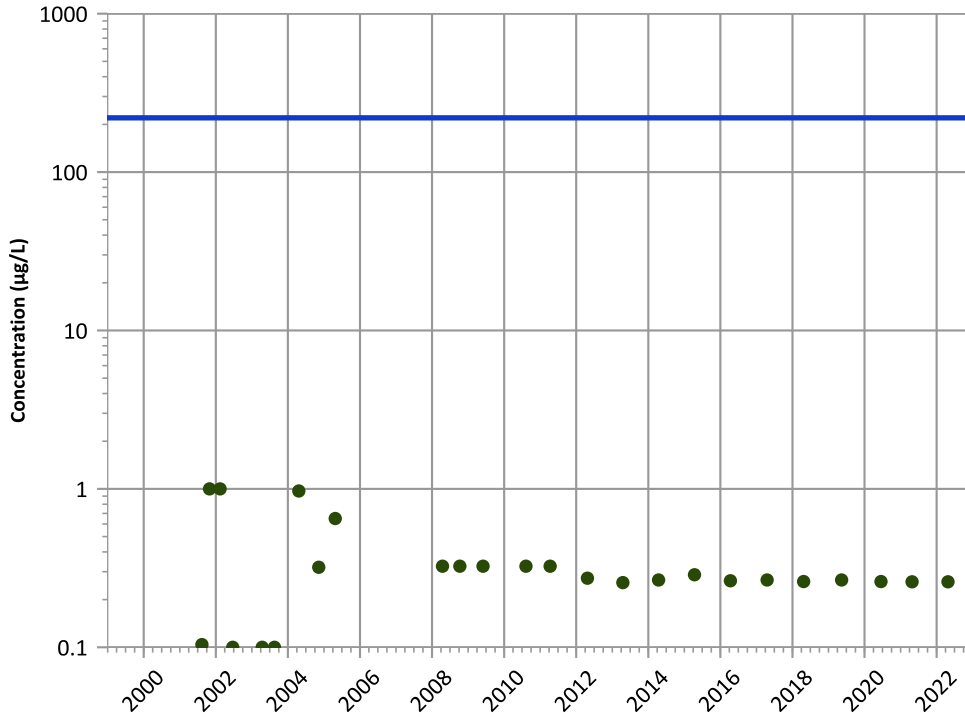
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

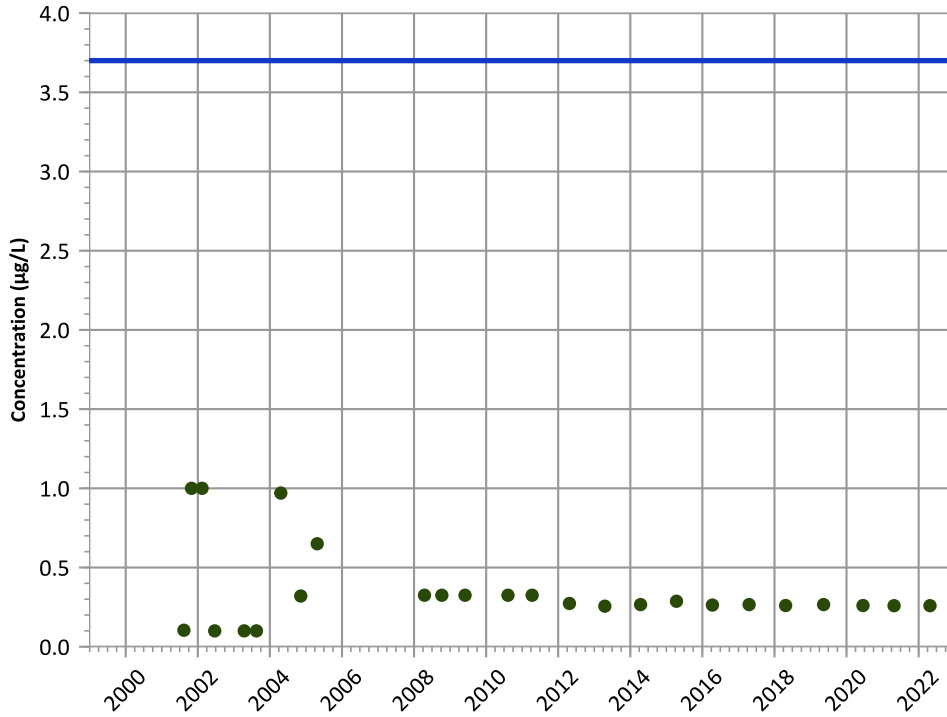
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

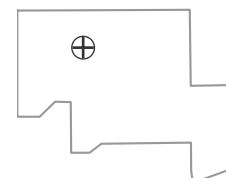
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

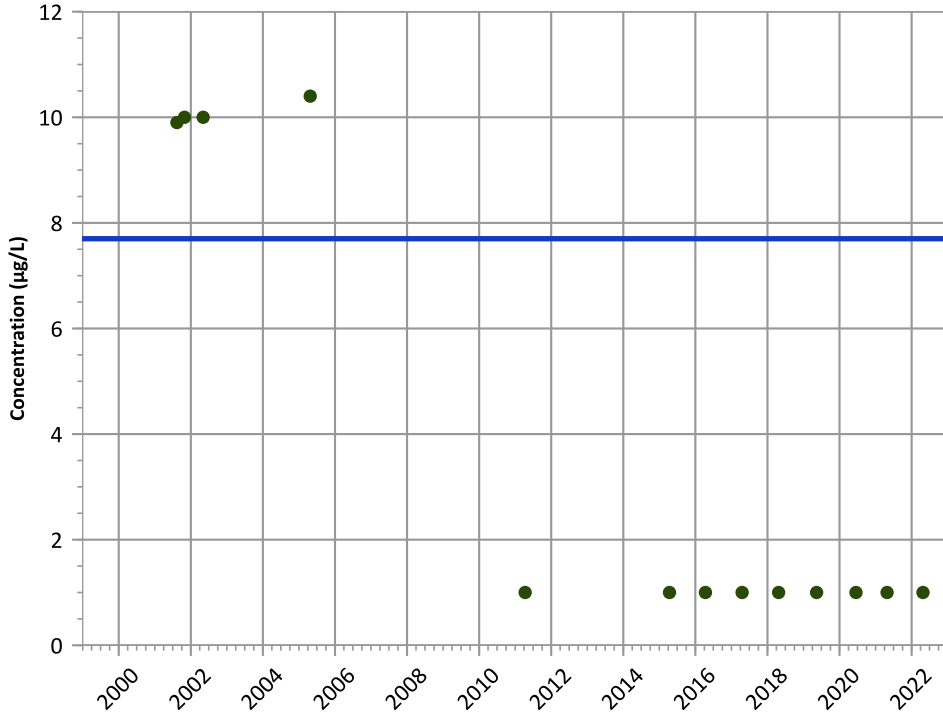
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

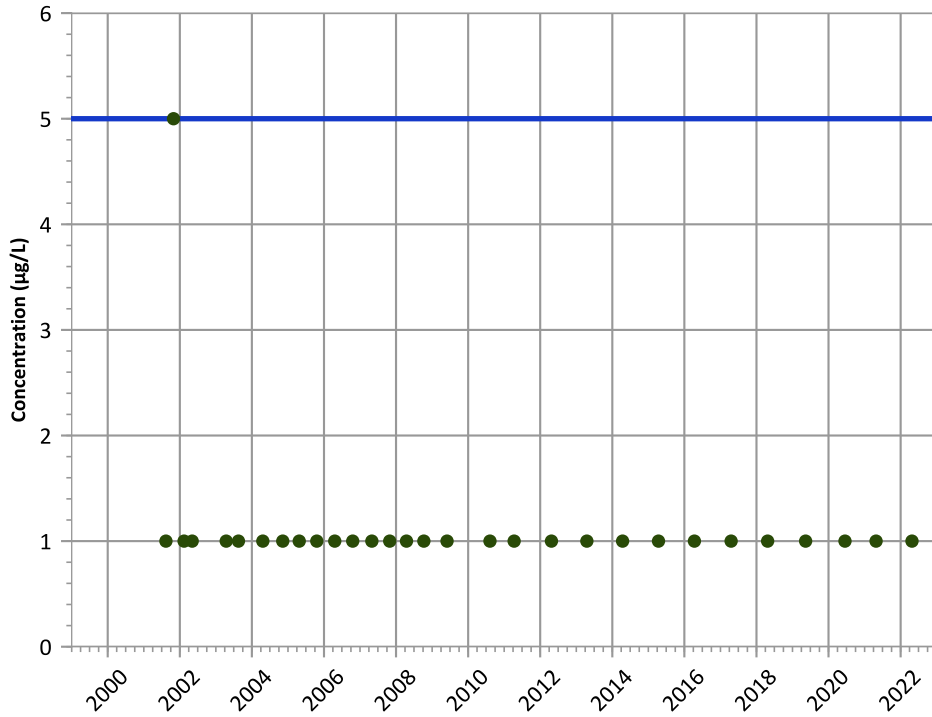
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

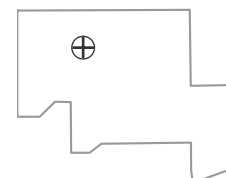
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

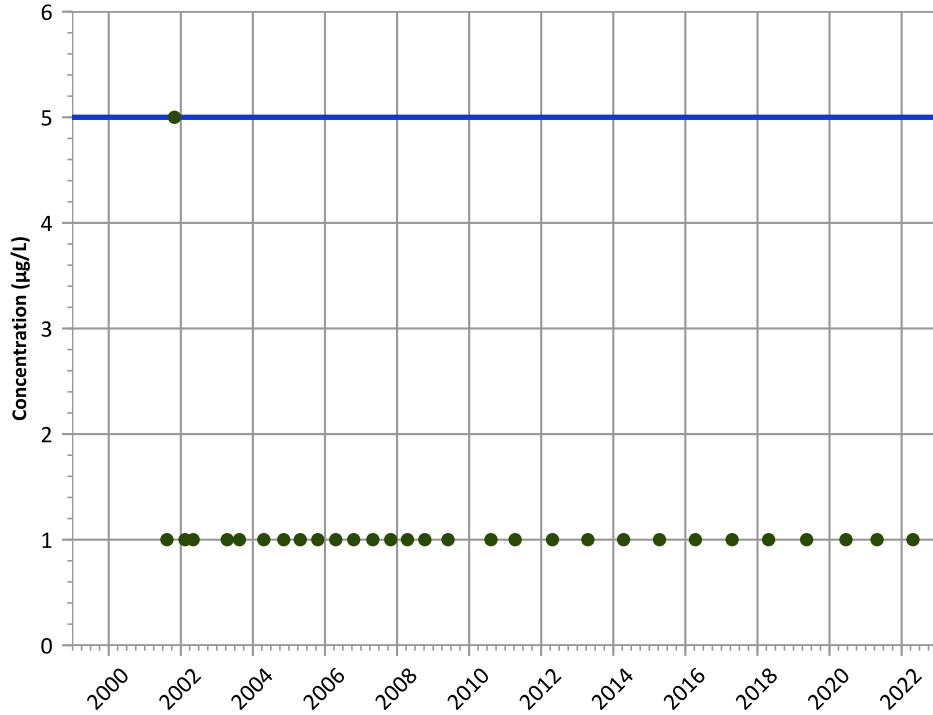
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

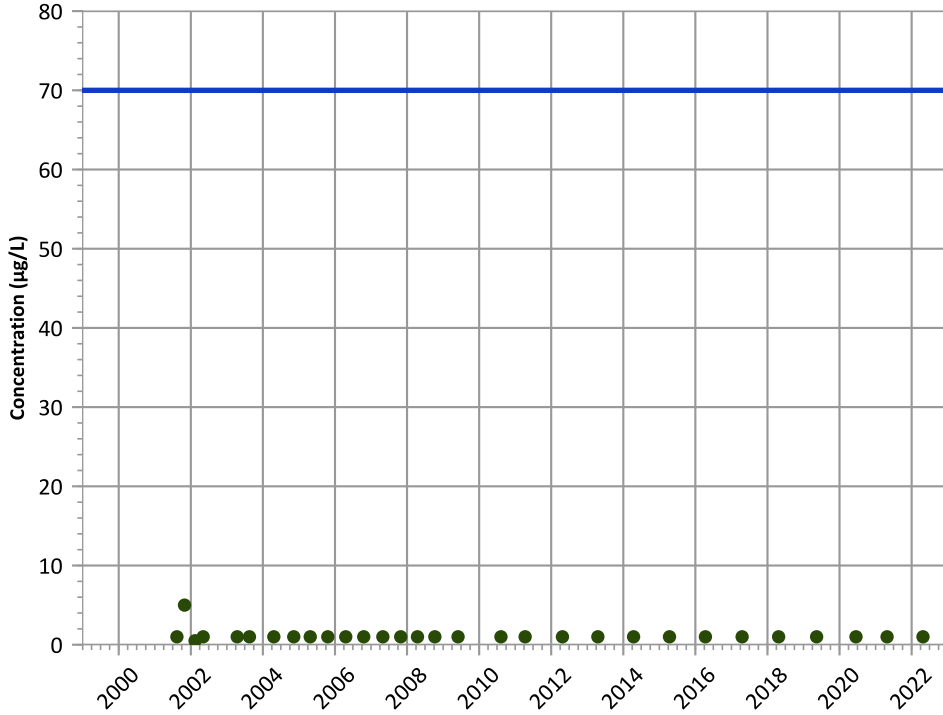
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

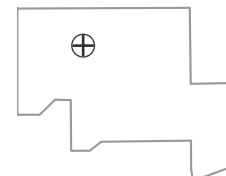
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

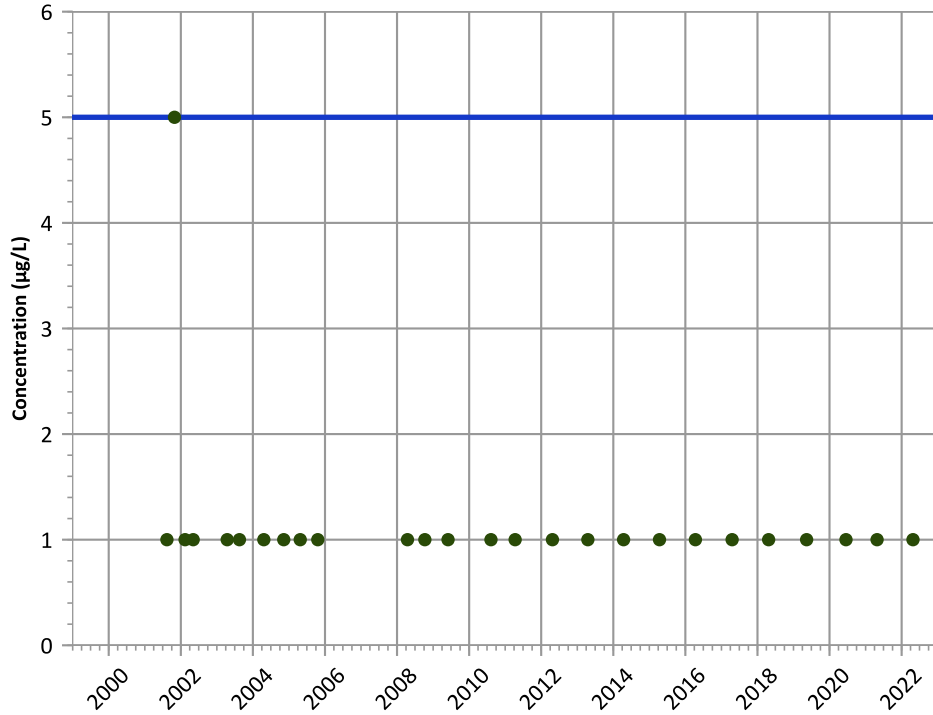
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

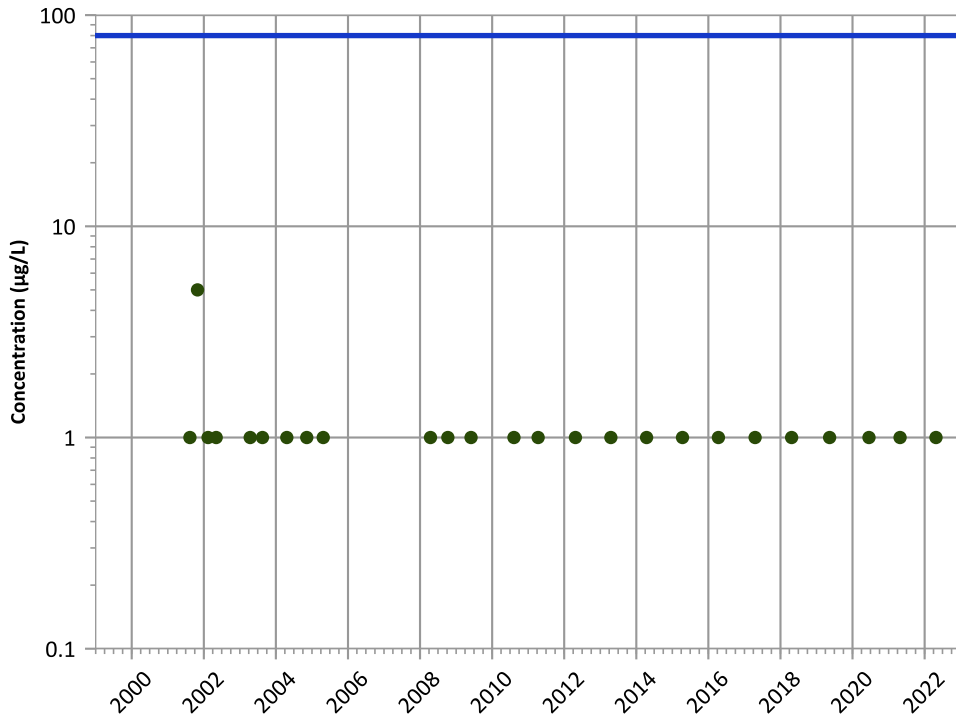
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

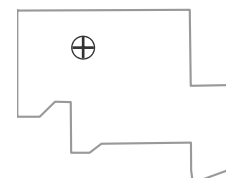
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

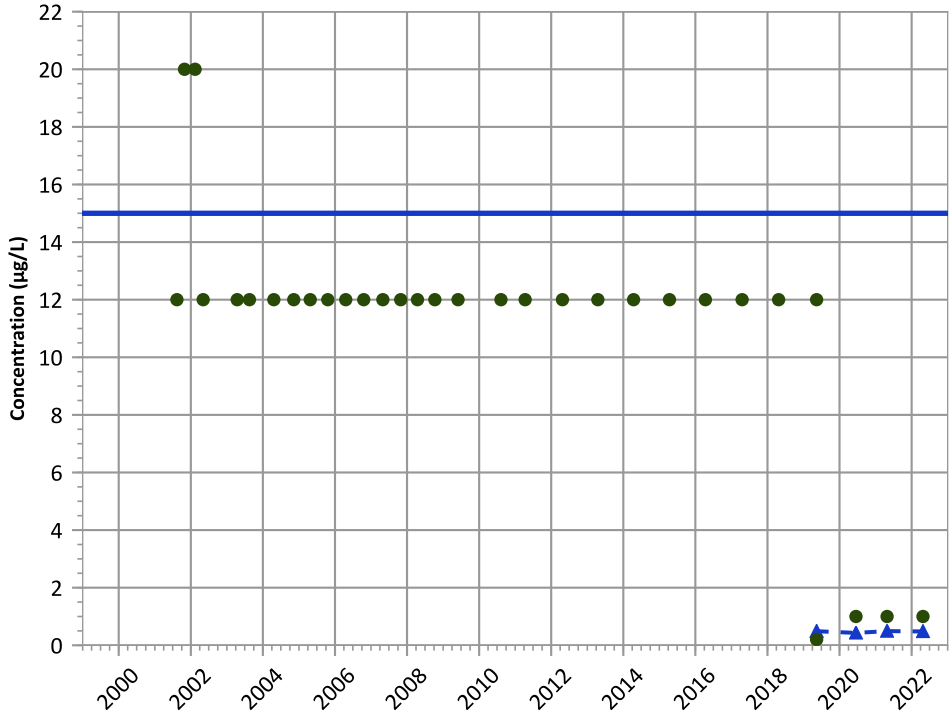
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

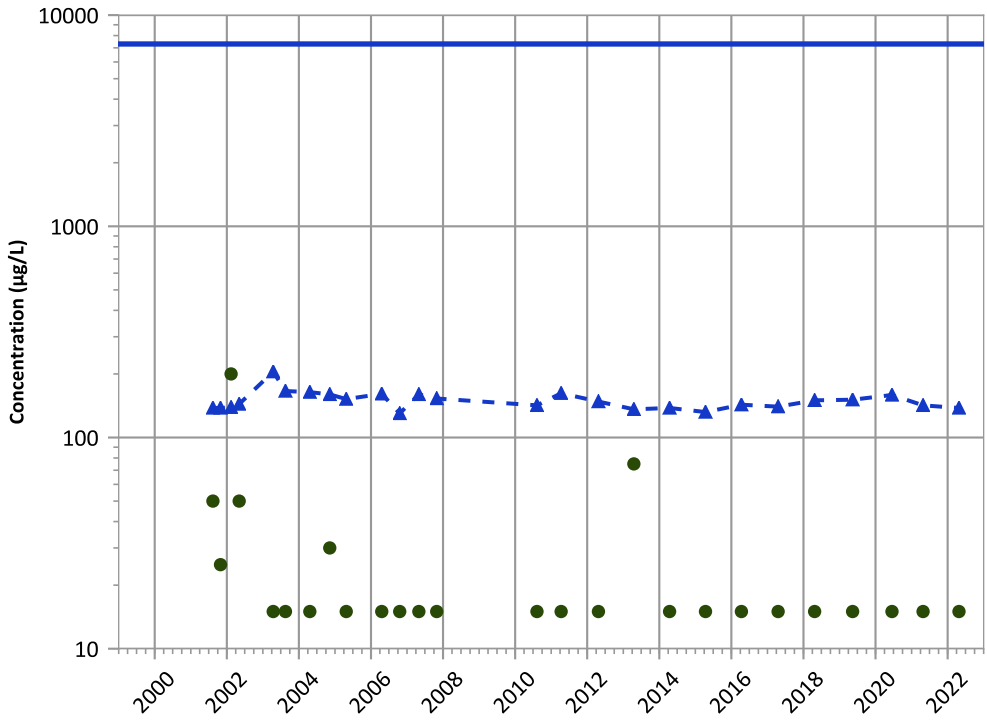
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

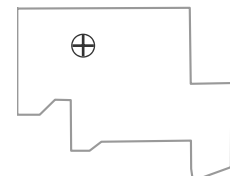
MAROS Linear Regression Method

All Data:  
Probably Decreasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

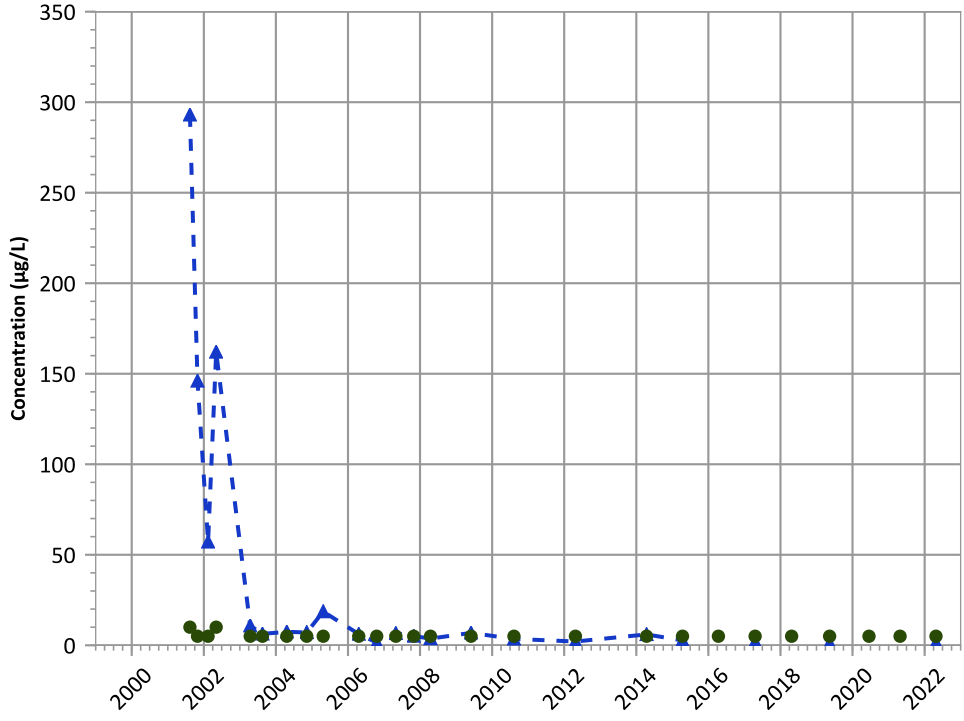
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

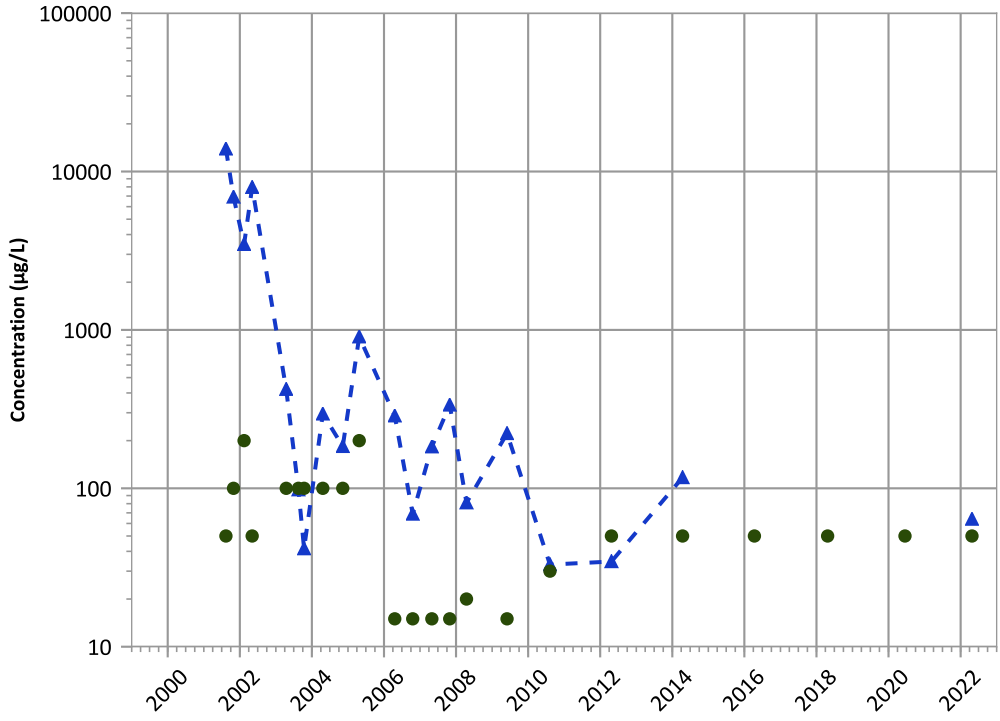
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Probably Decreasing

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

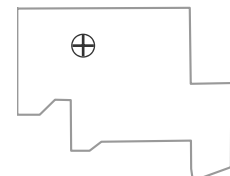
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

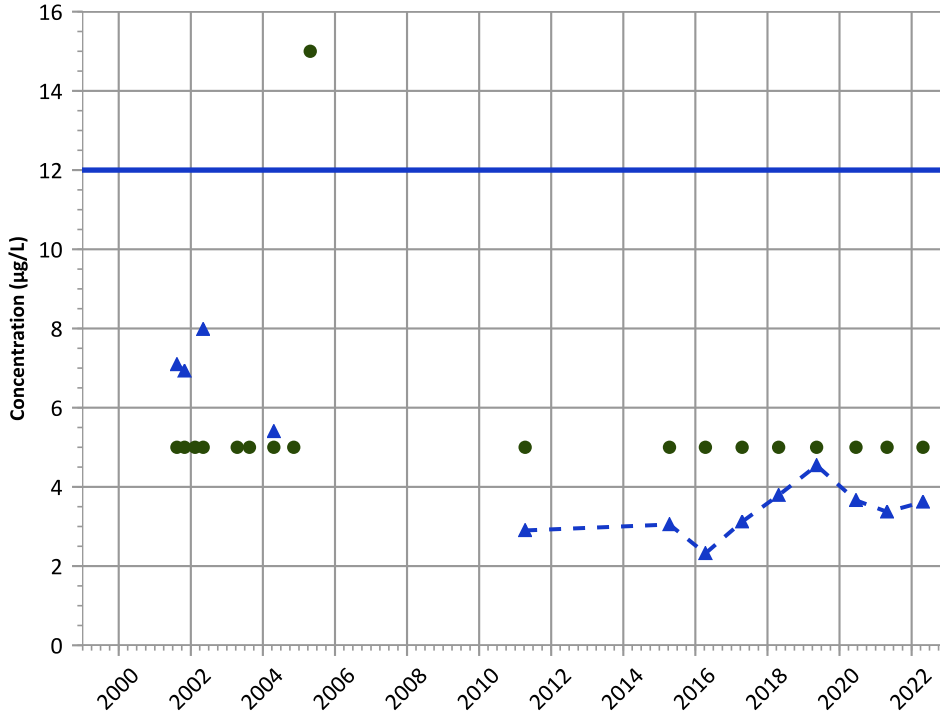
Well Location





PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

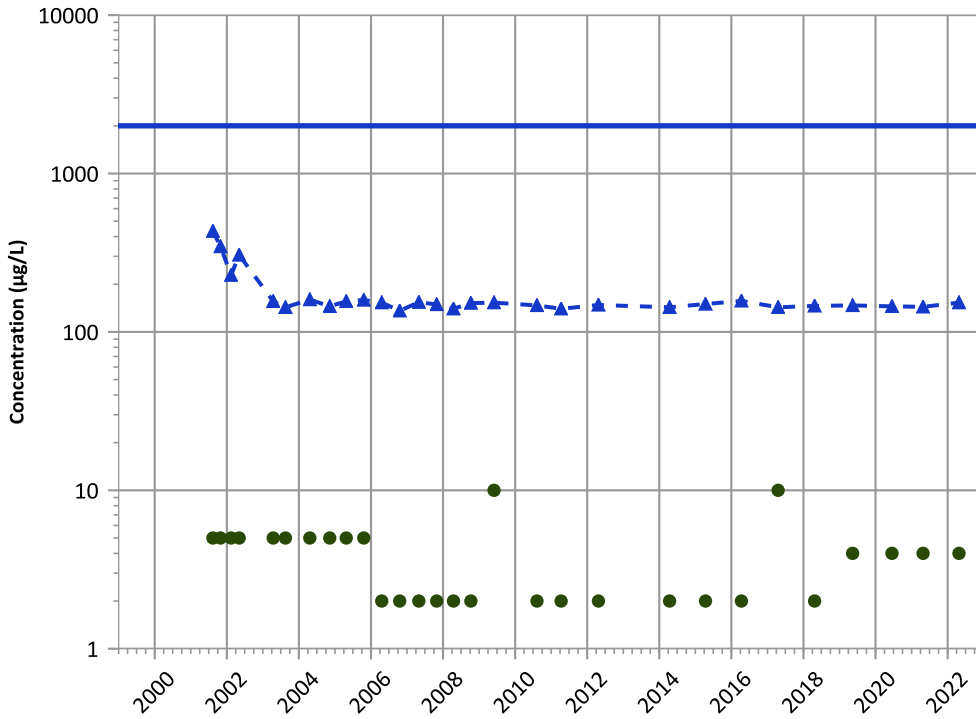
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

MAROS Linear Regression Method

All Data: Decreasing

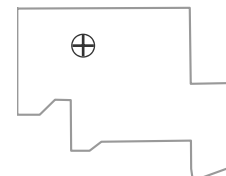
2020 - 2022 Data: No Trend

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

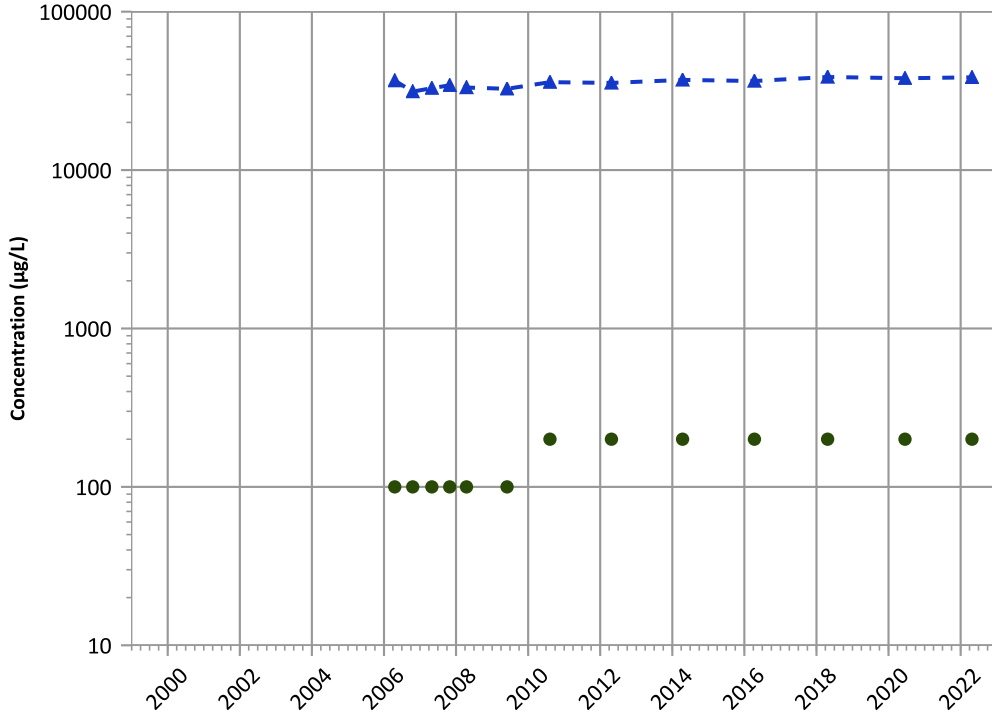
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

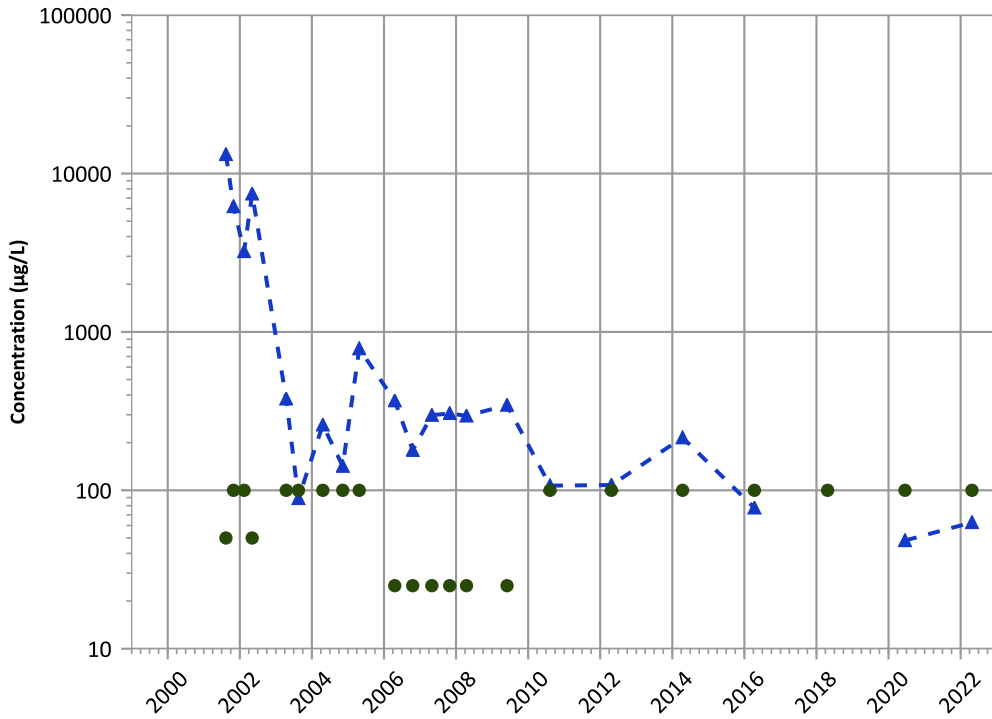
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

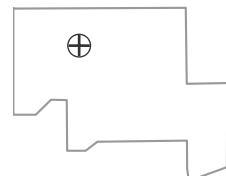
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

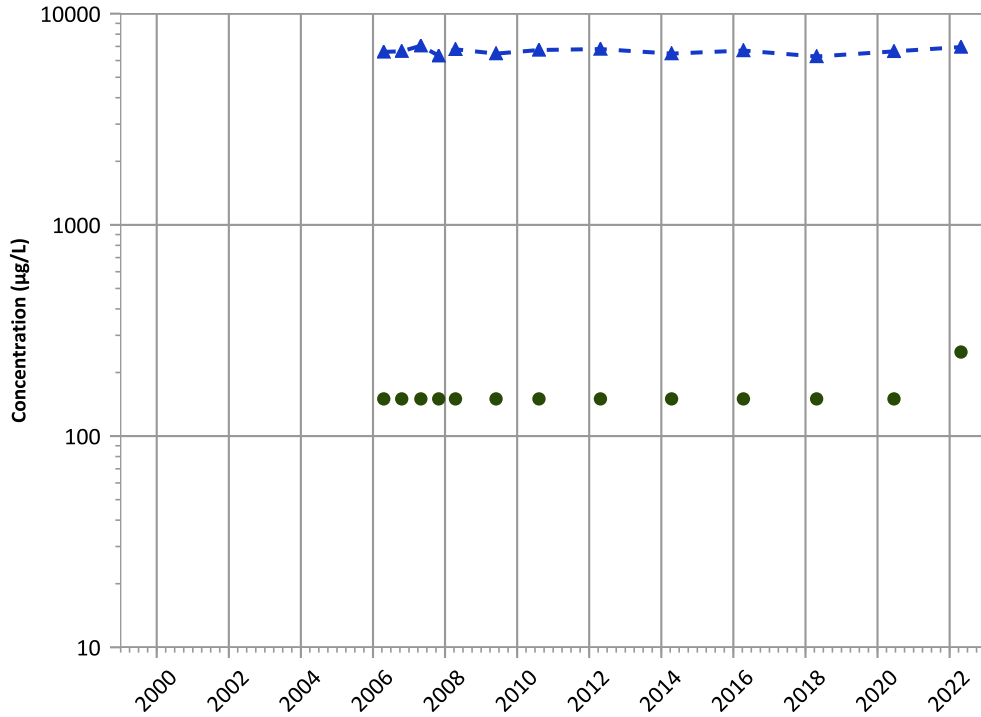
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

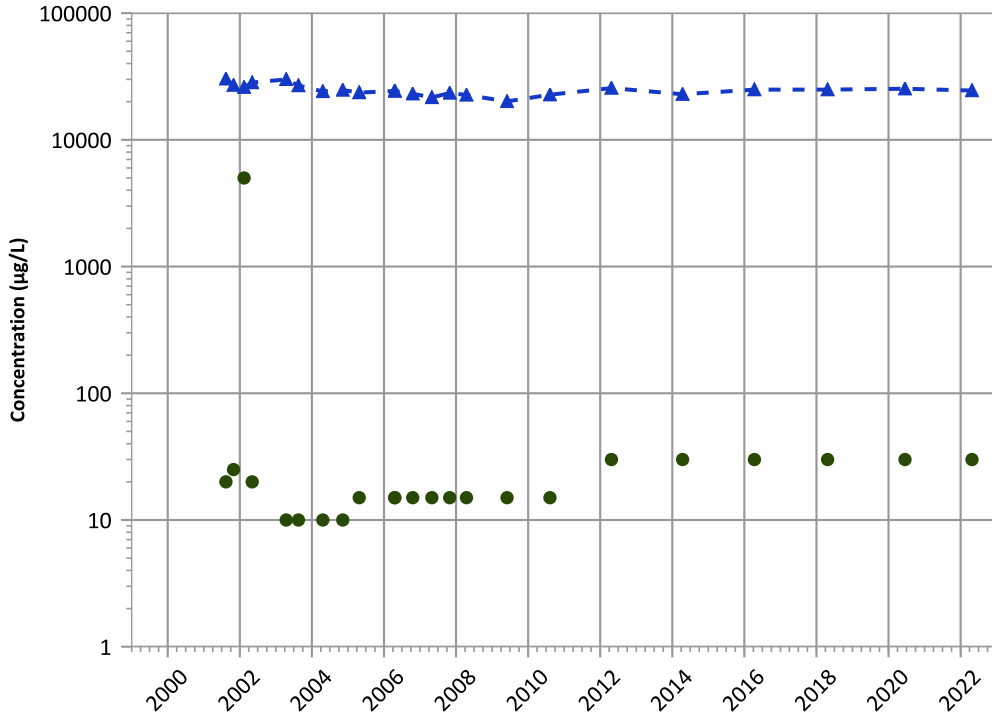
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

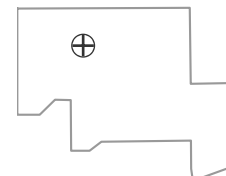
MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

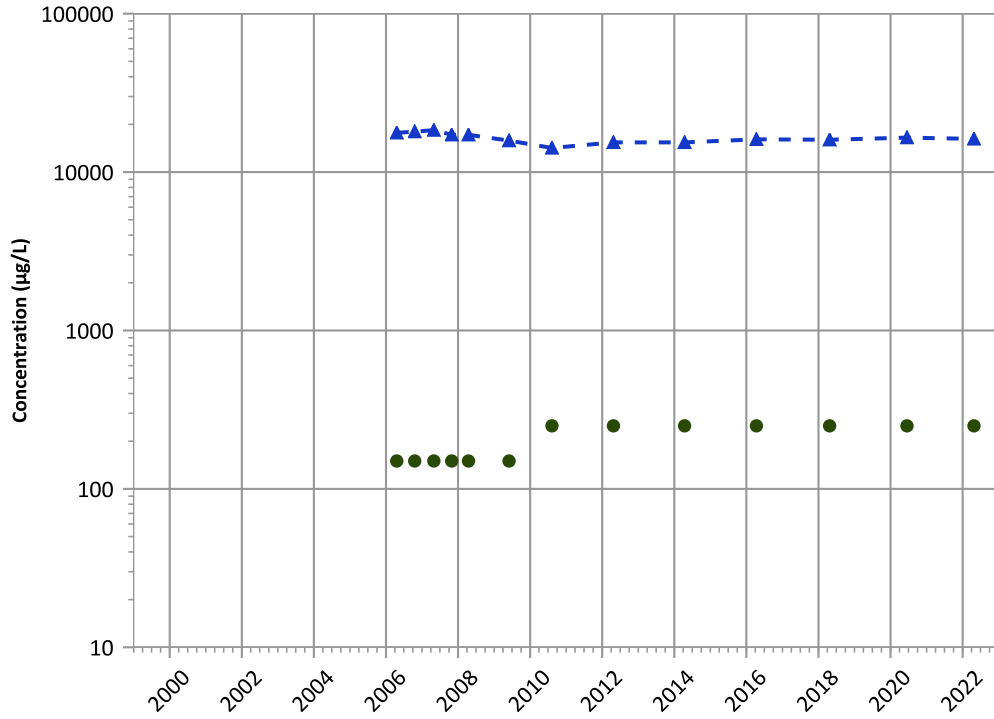
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

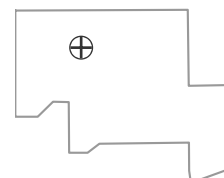
MAROS Linear Regression Method

All Data:  
Probably Decreasing  
2020 - 2022 Data:  
No Trend

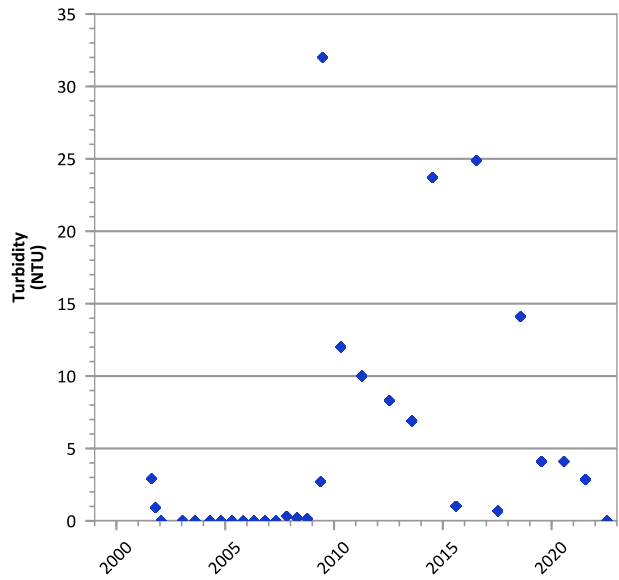
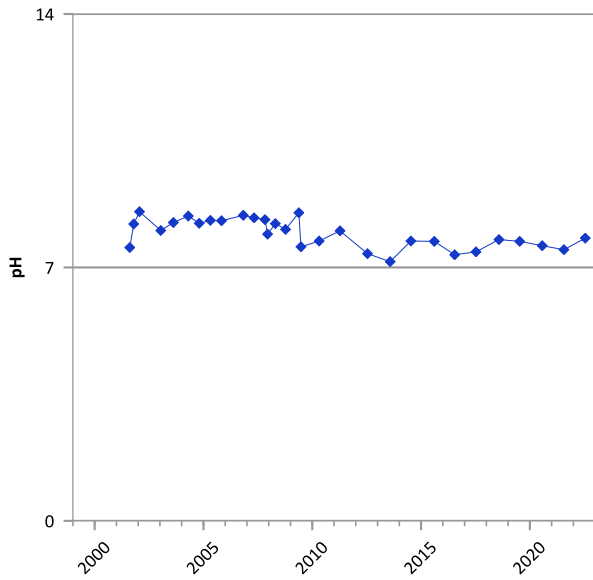
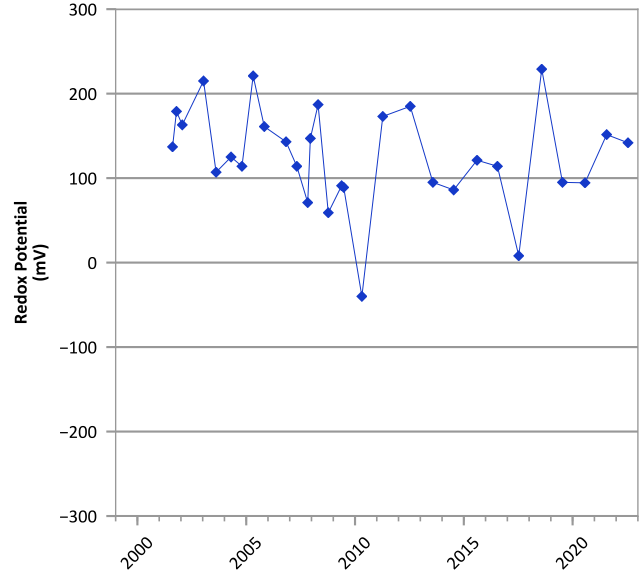
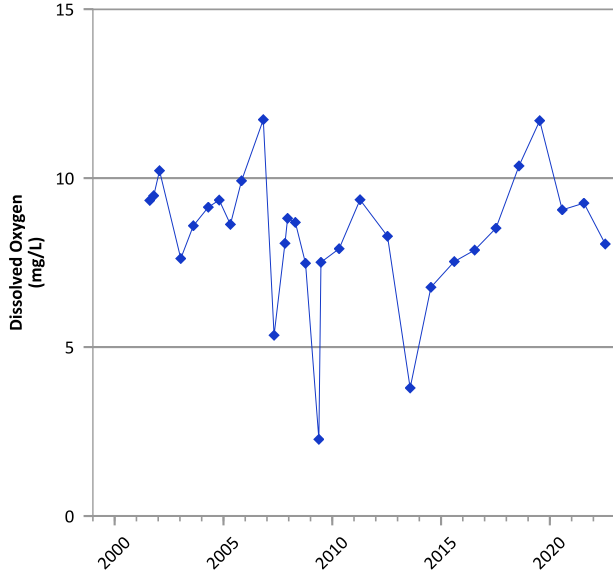
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/13/2001 to 04/26/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

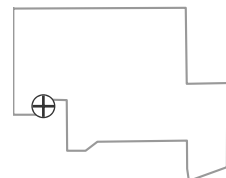


**PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



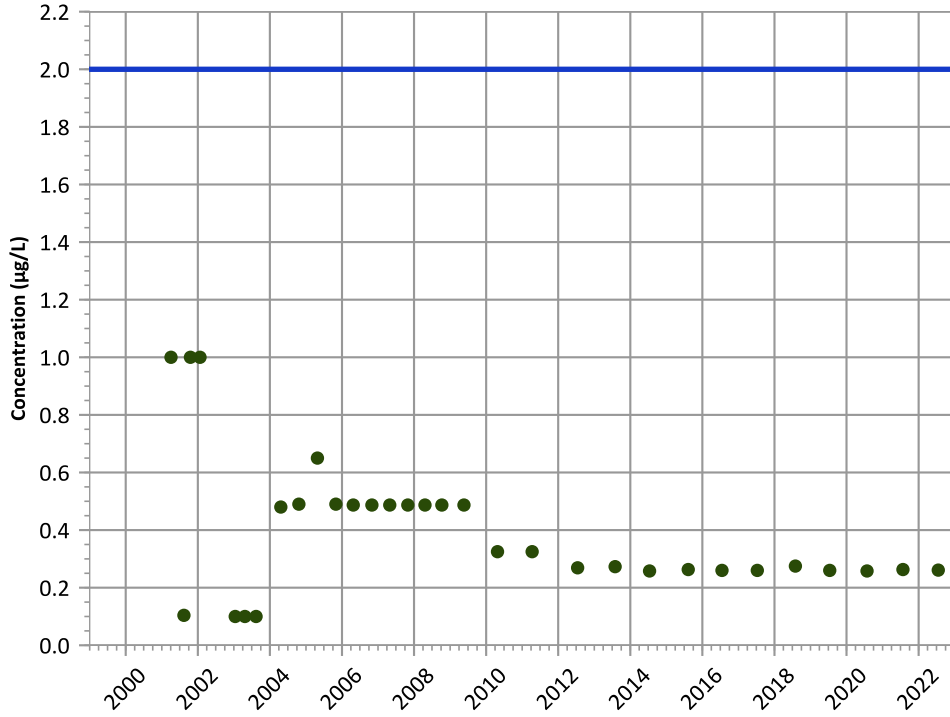
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/04/2001 to 07/19/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

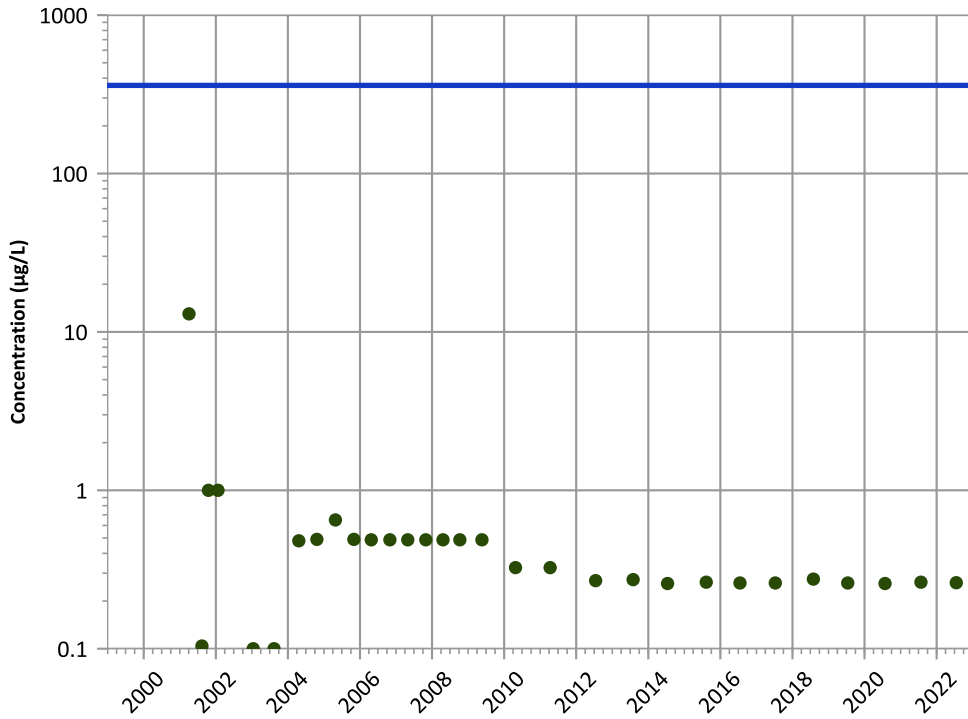
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

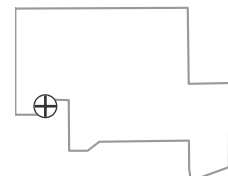
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

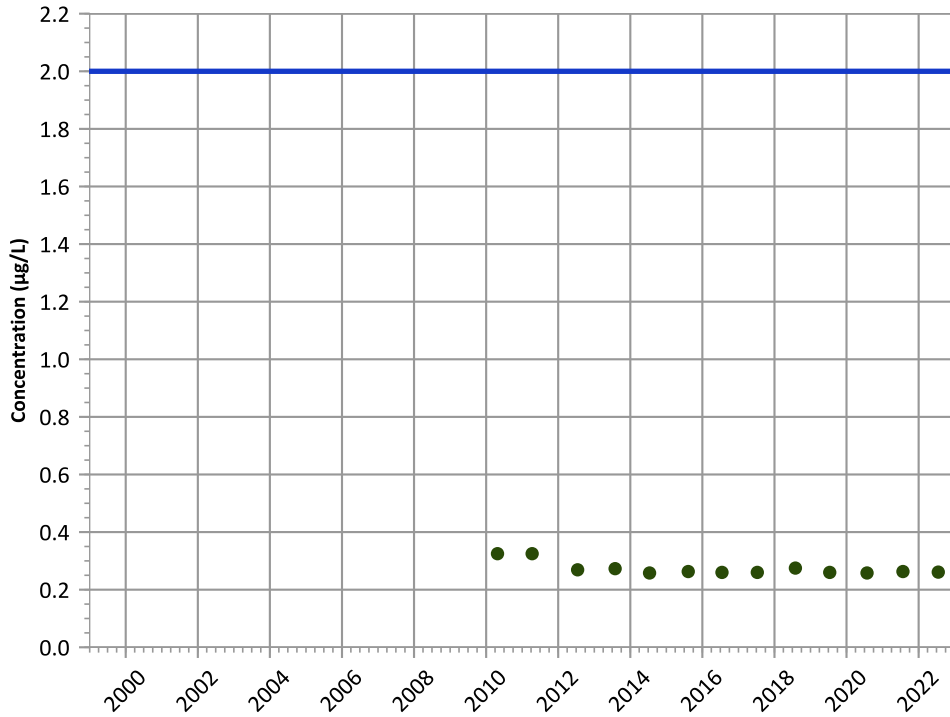
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

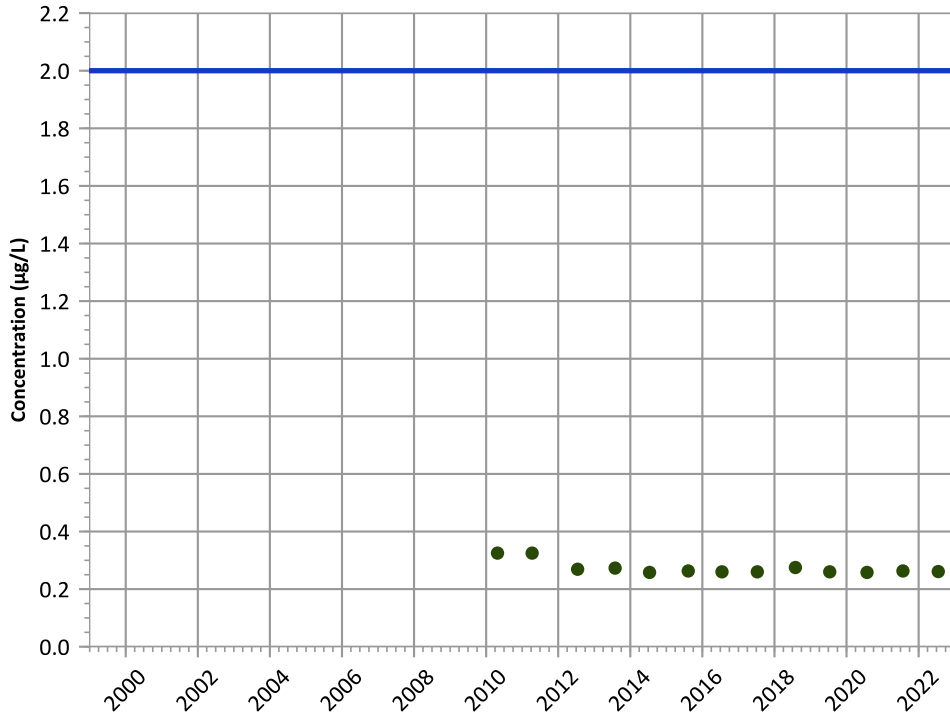
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

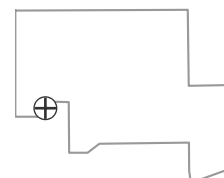
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

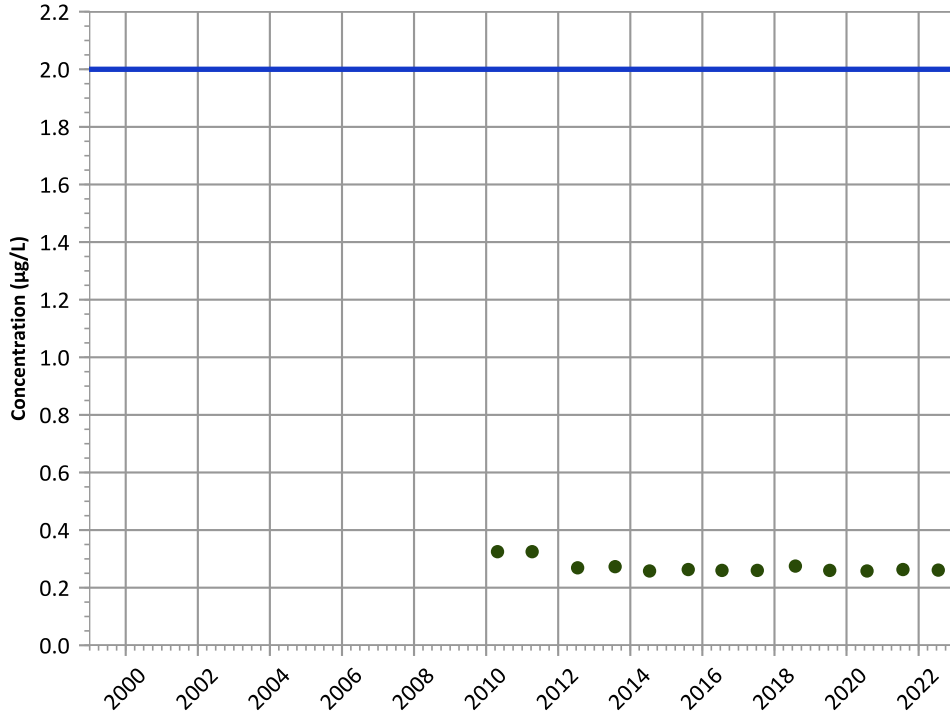
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

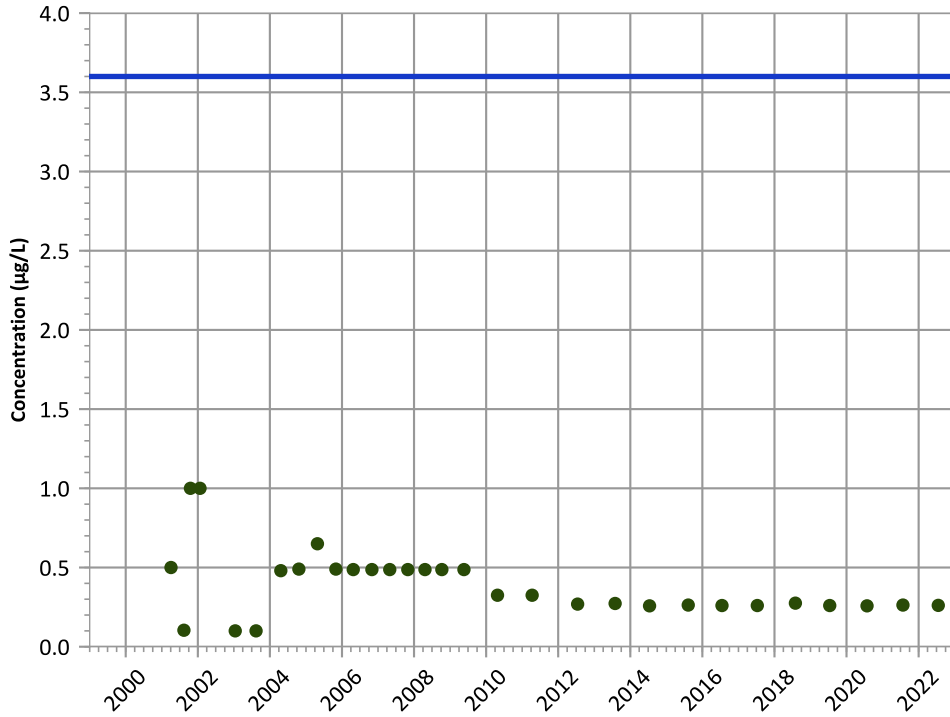
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

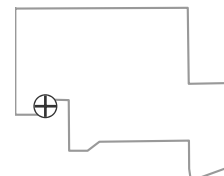
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

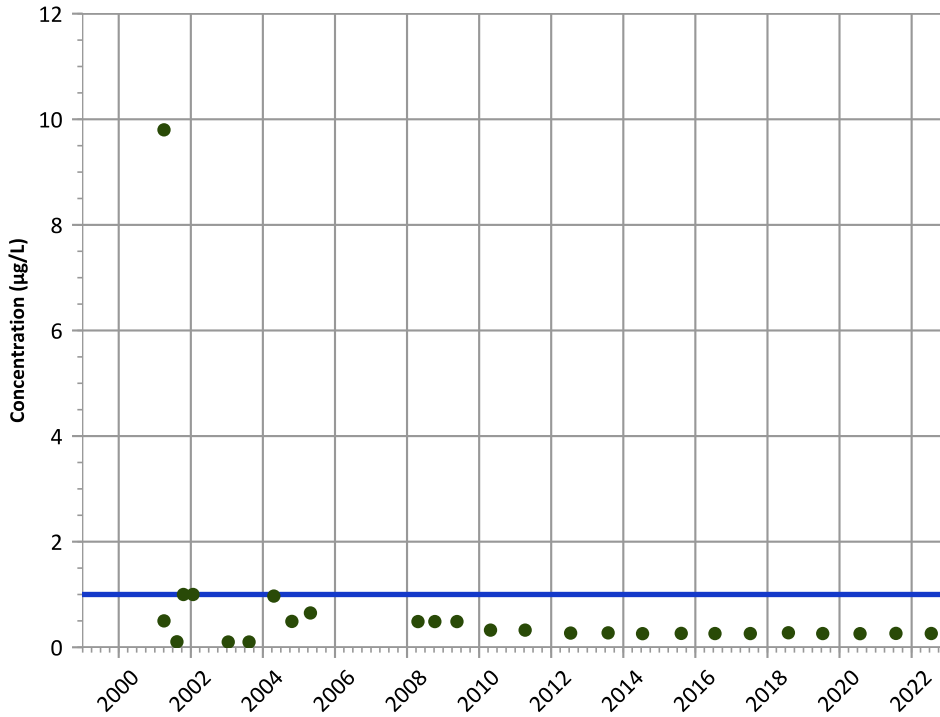
Well Location





PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

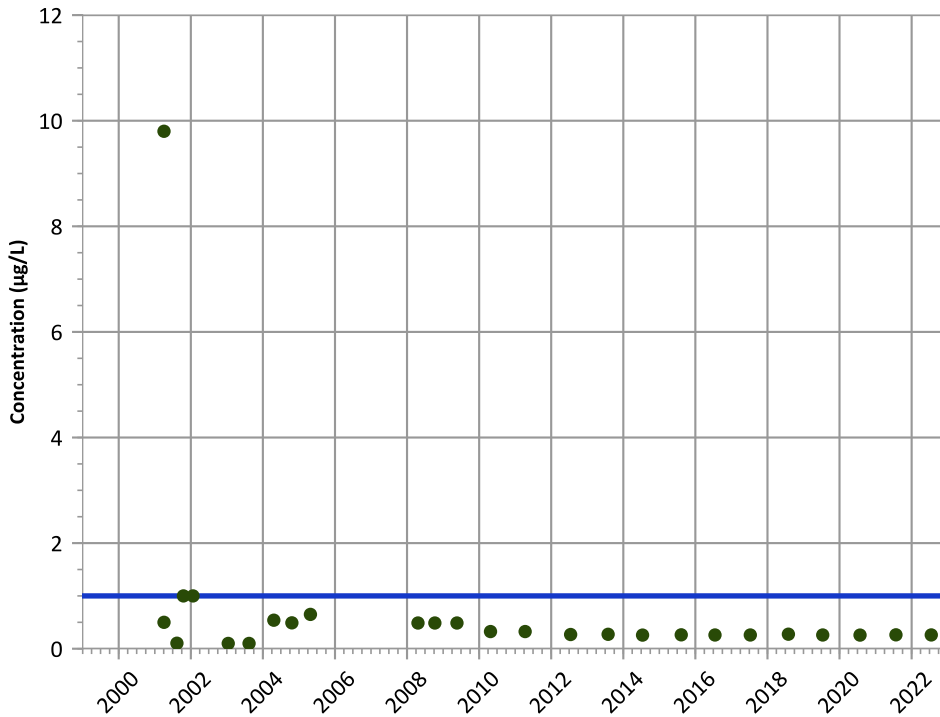
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

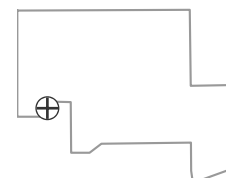
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

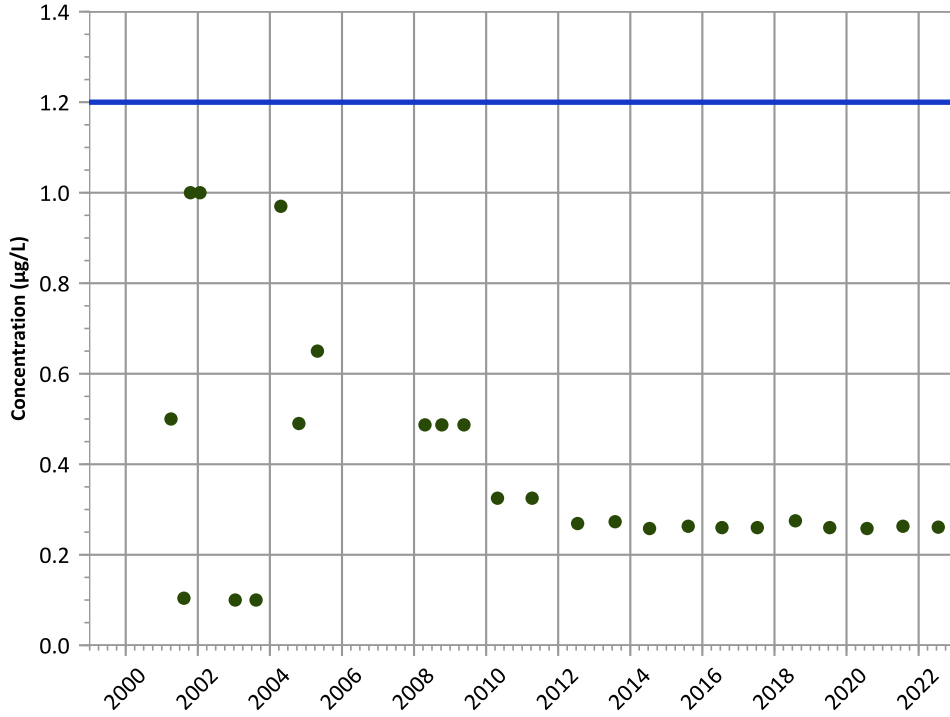
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

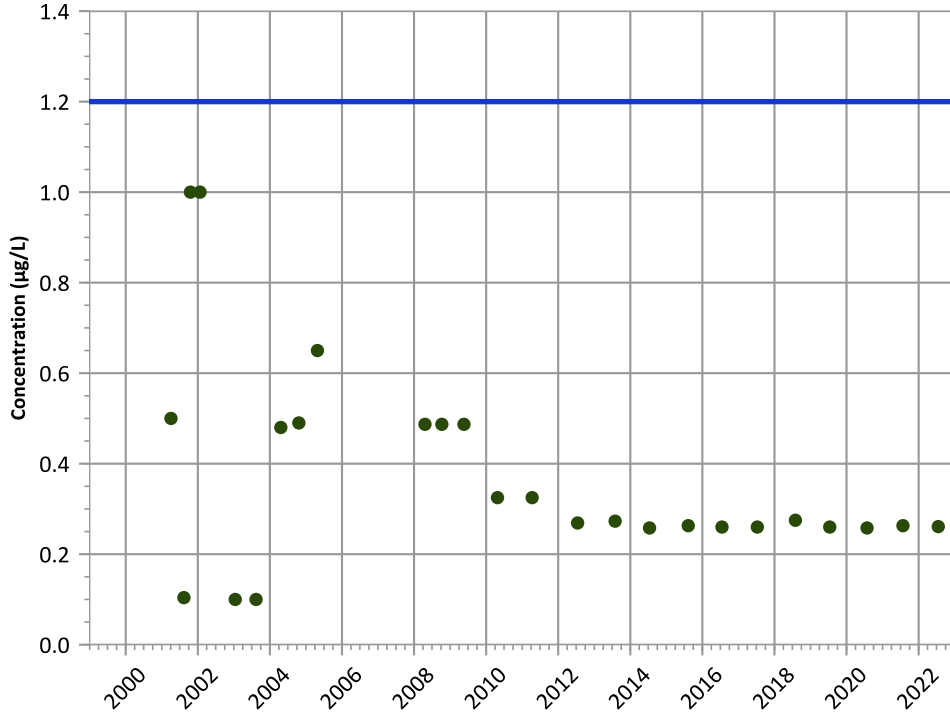
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

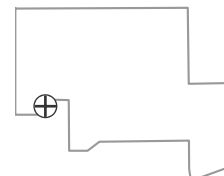
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

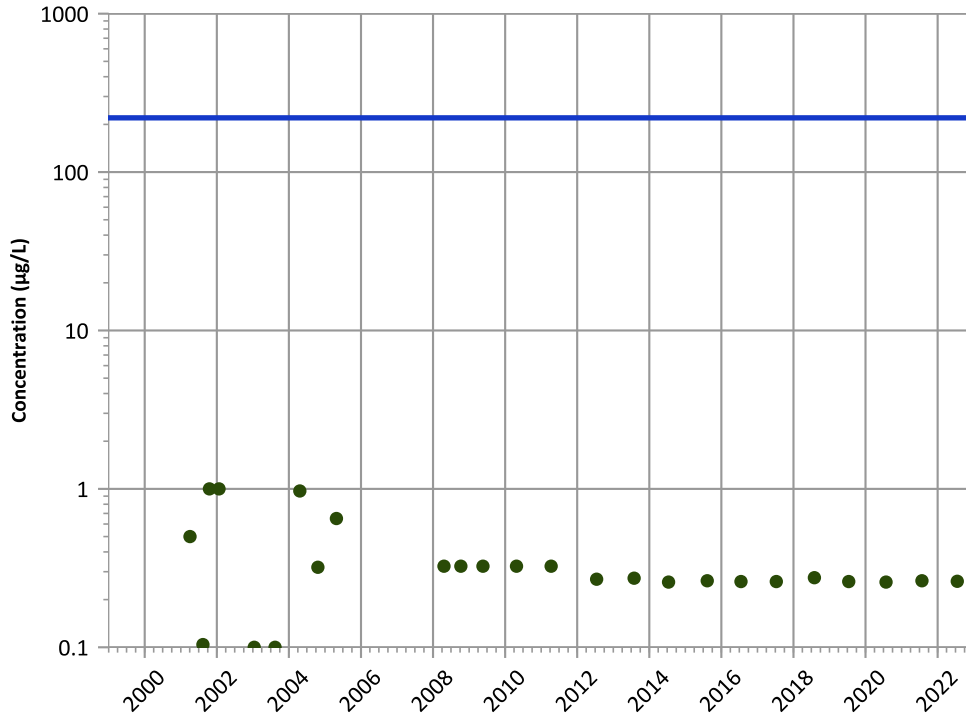
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

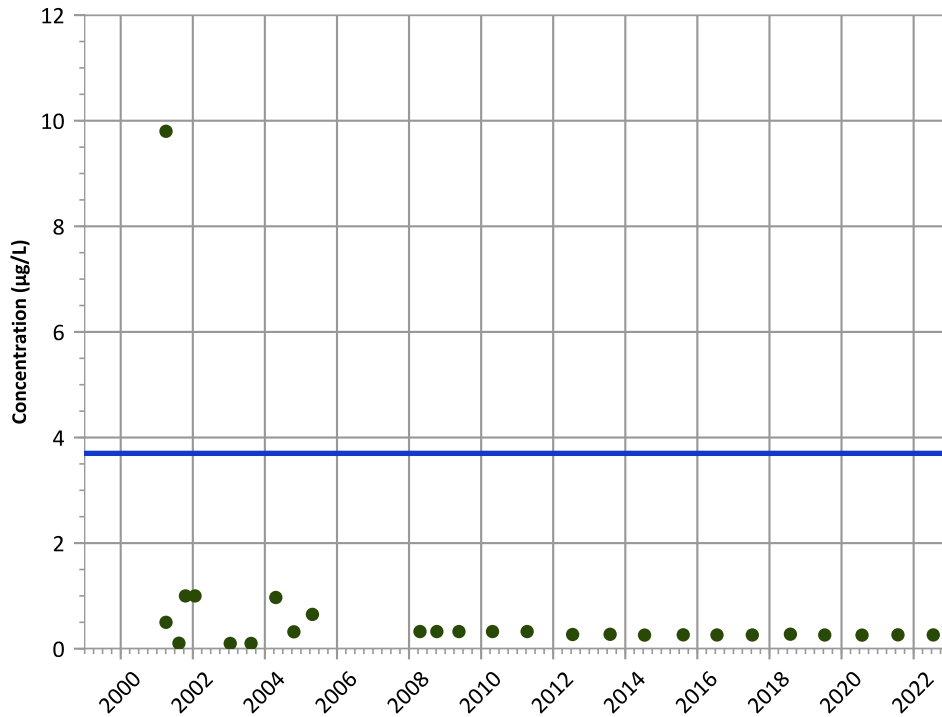
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

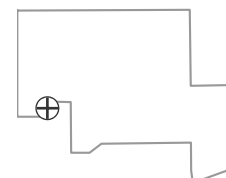
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

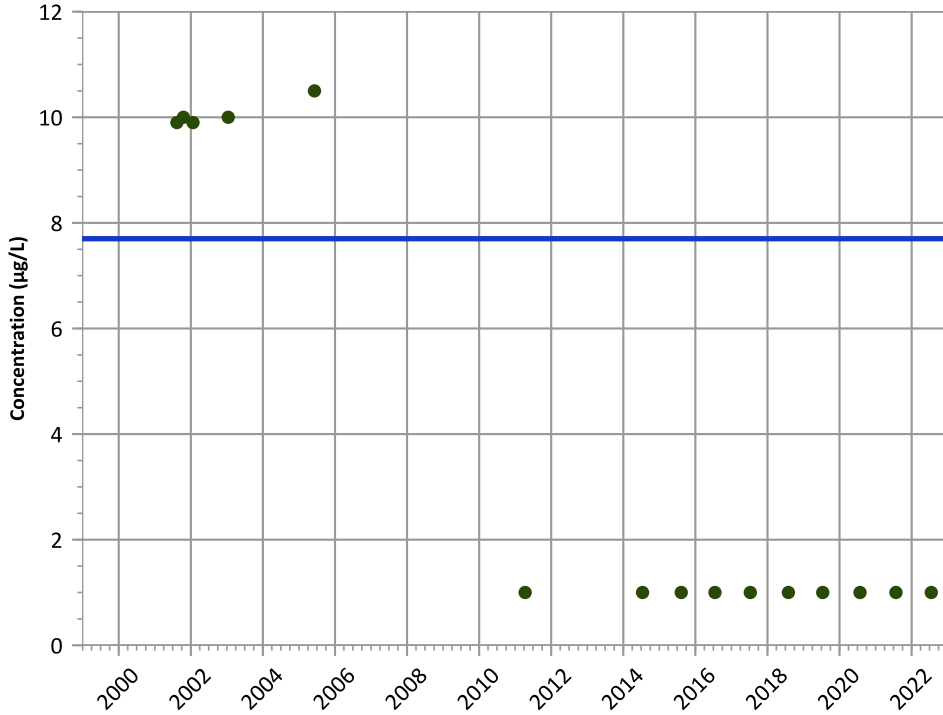
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

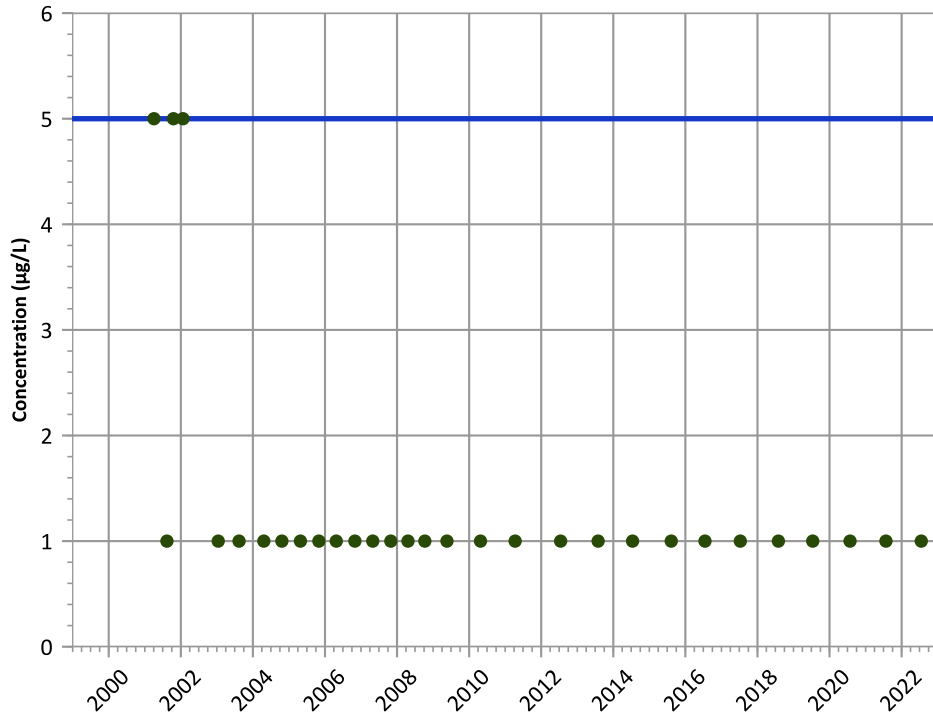
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

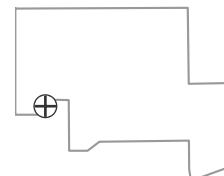
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

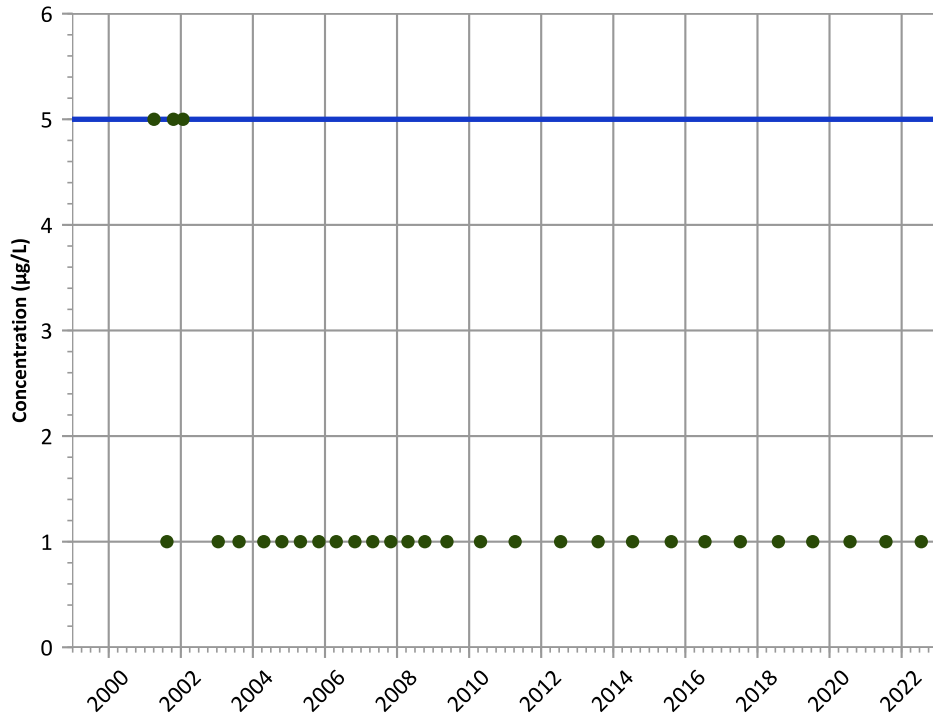
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

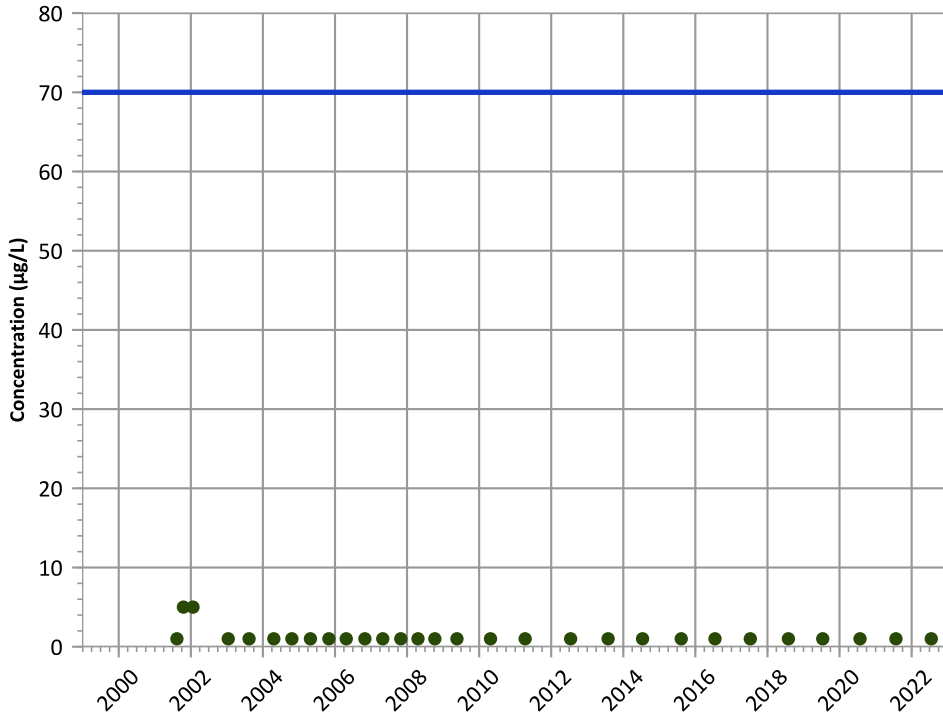
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

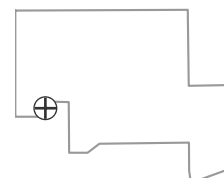
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

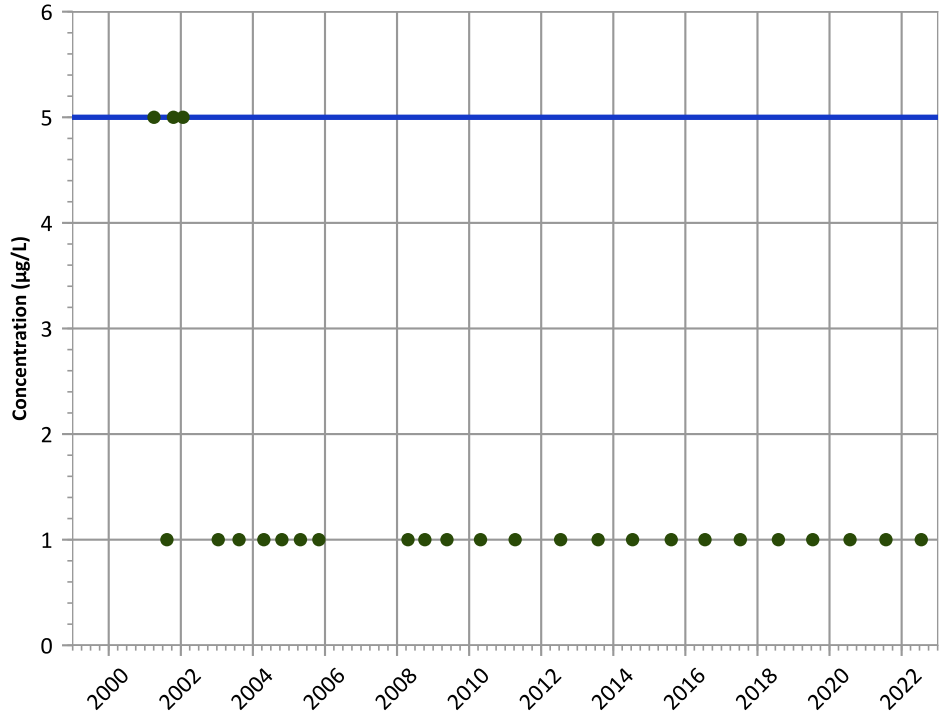
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

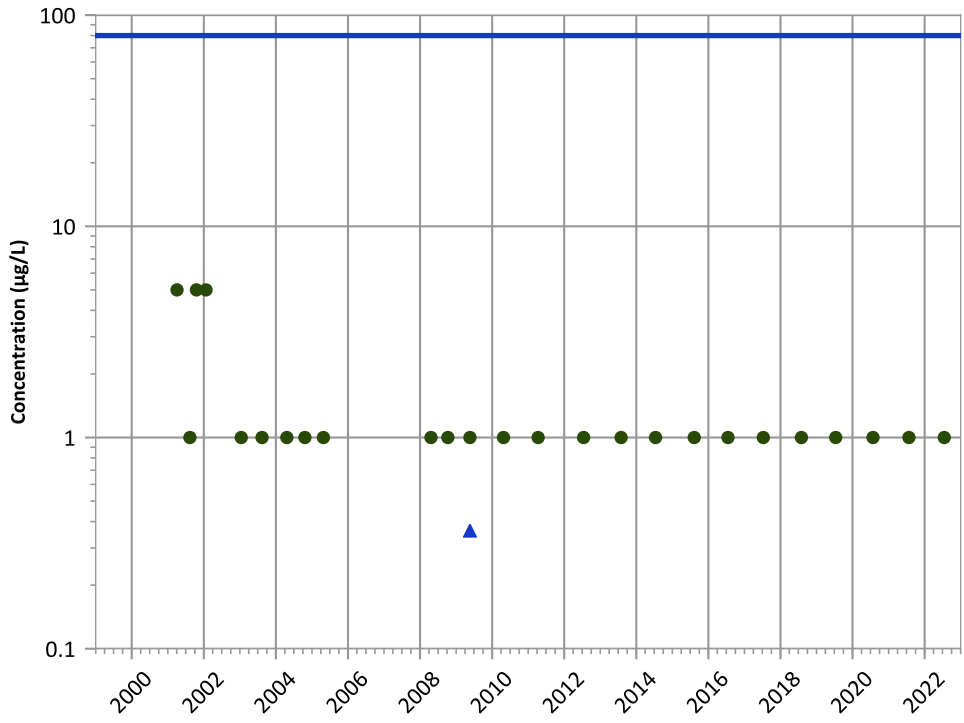
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

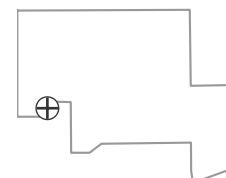
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

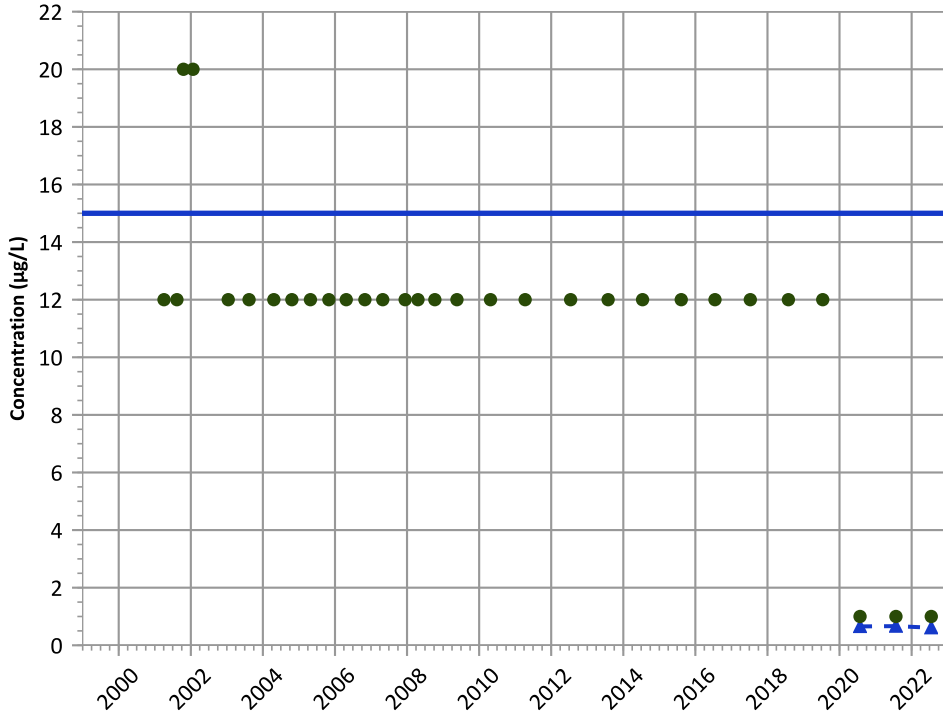


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

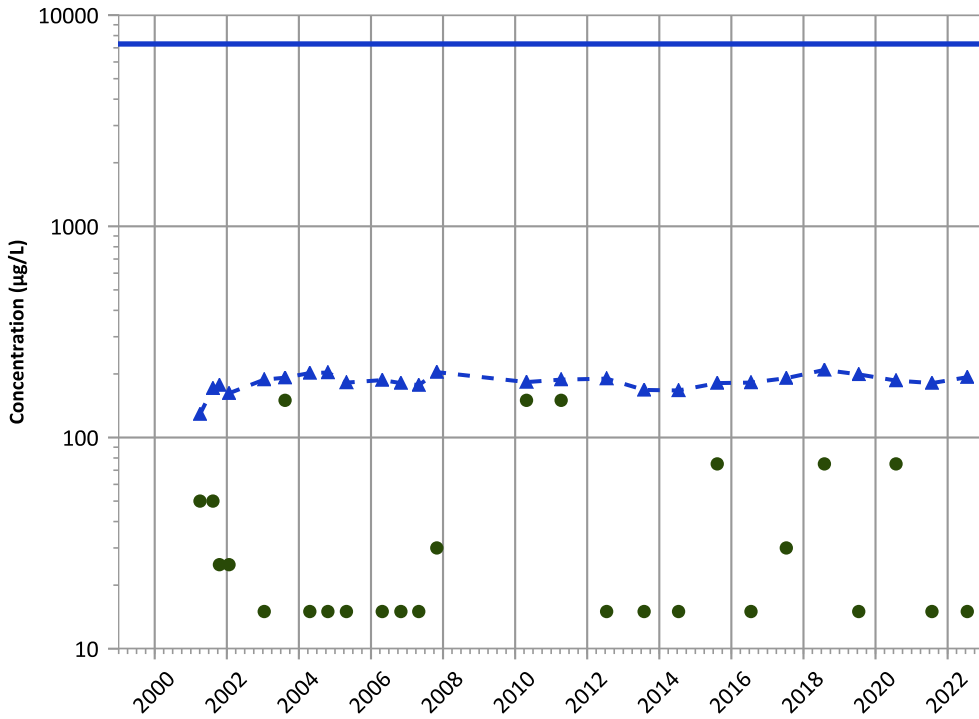
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Probably Increasing  
2020 - 2022 Data:  
Decreasing

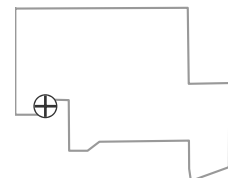
MAROS Linear Regression Method

All Data:  
Probably Increasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

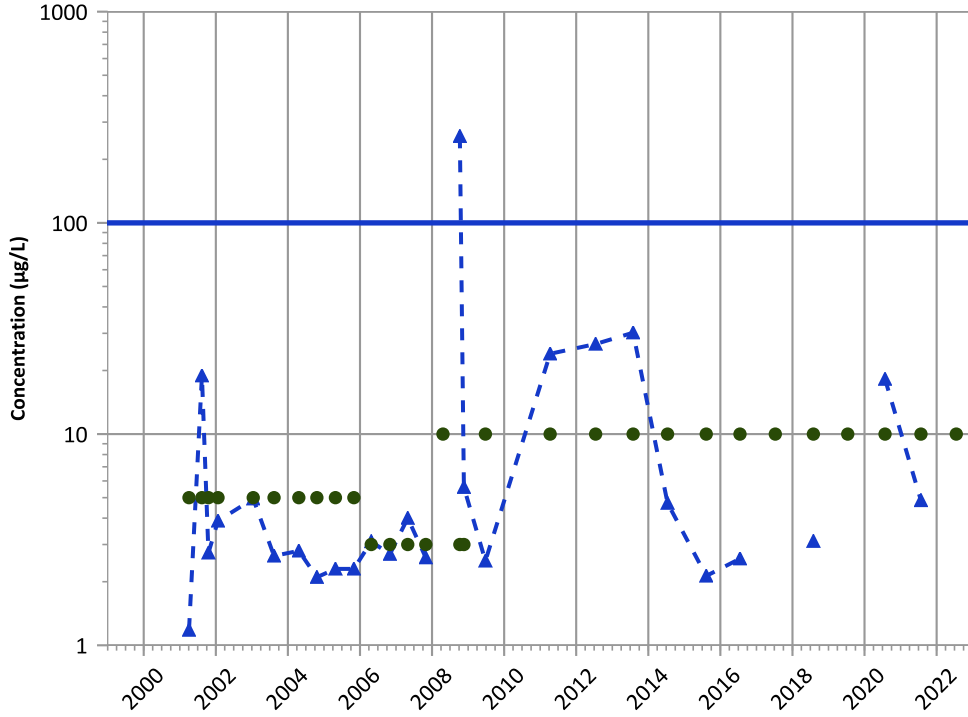
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

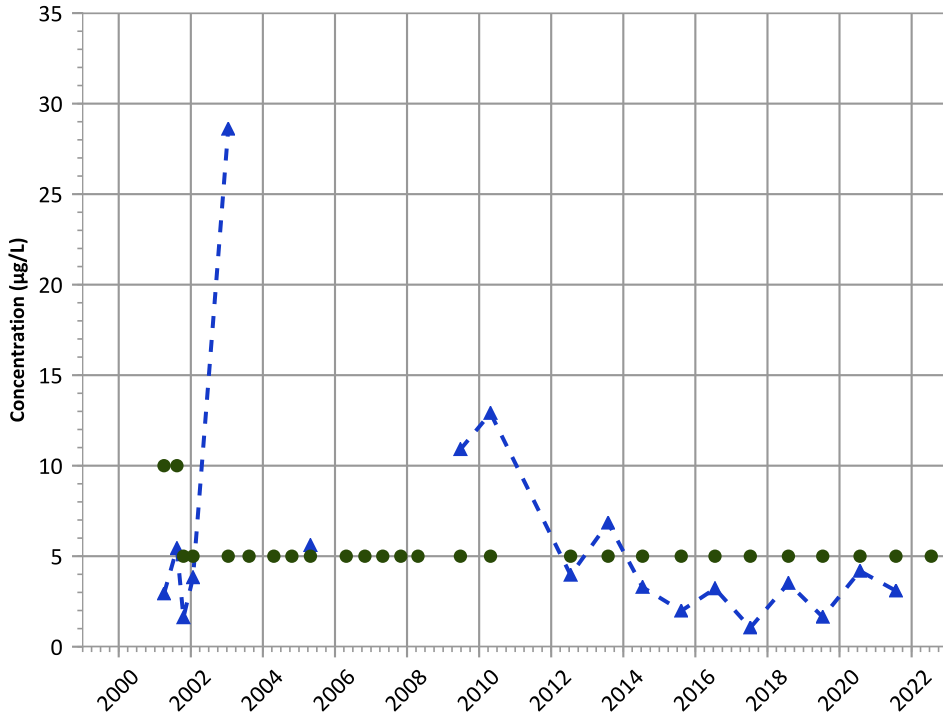
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

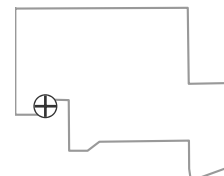
MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

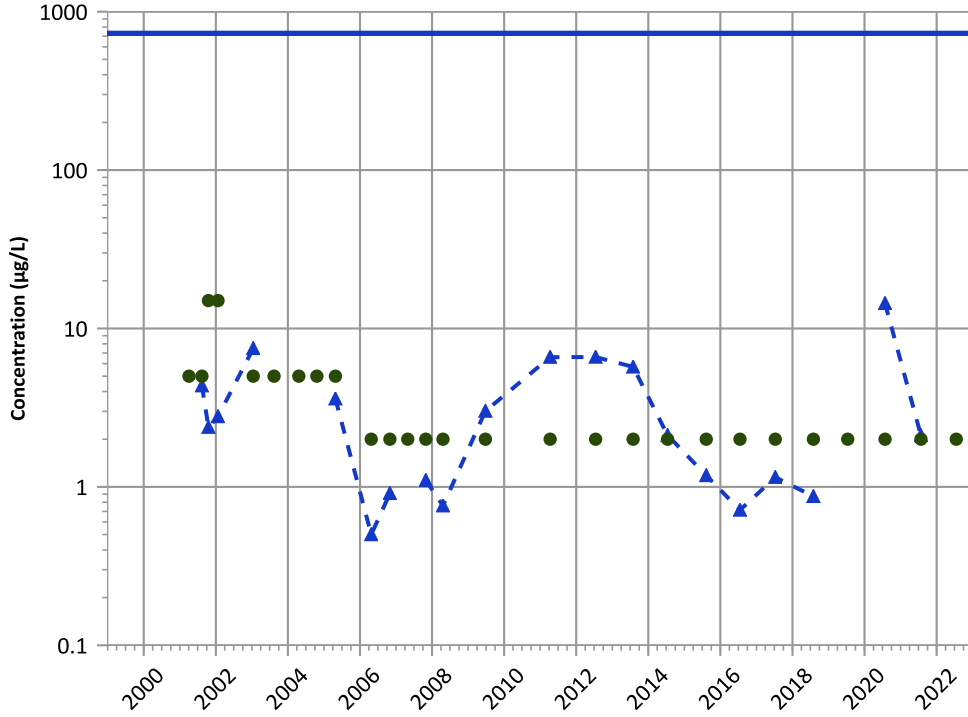
Well Location





PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

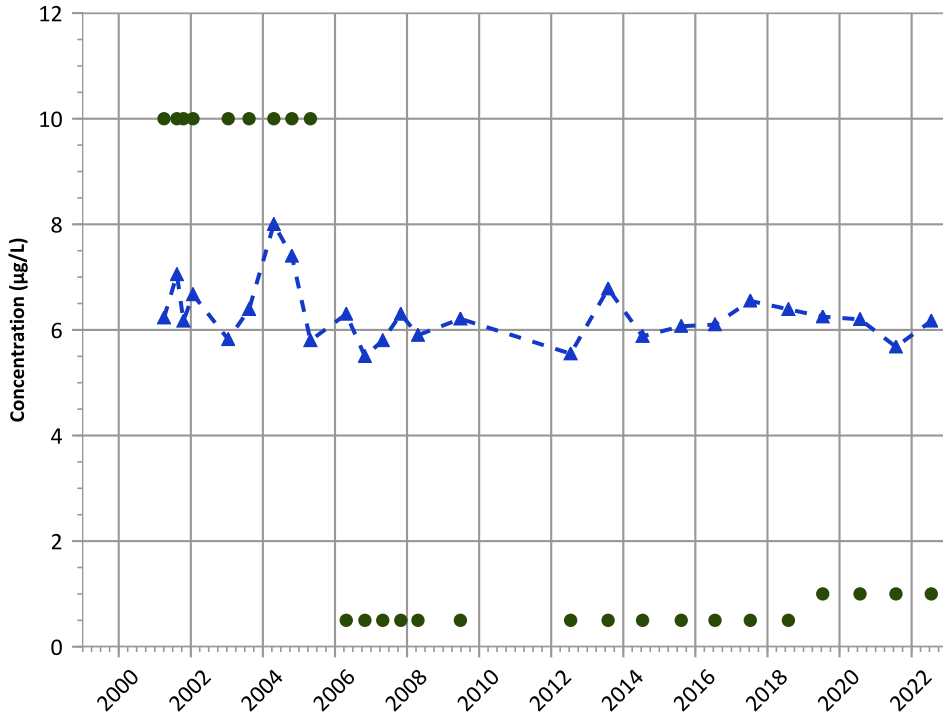
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: No Trend

Molybdenum Trend



Concentration Trend

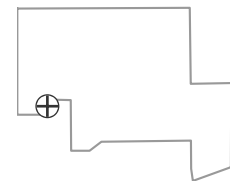
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Well Location

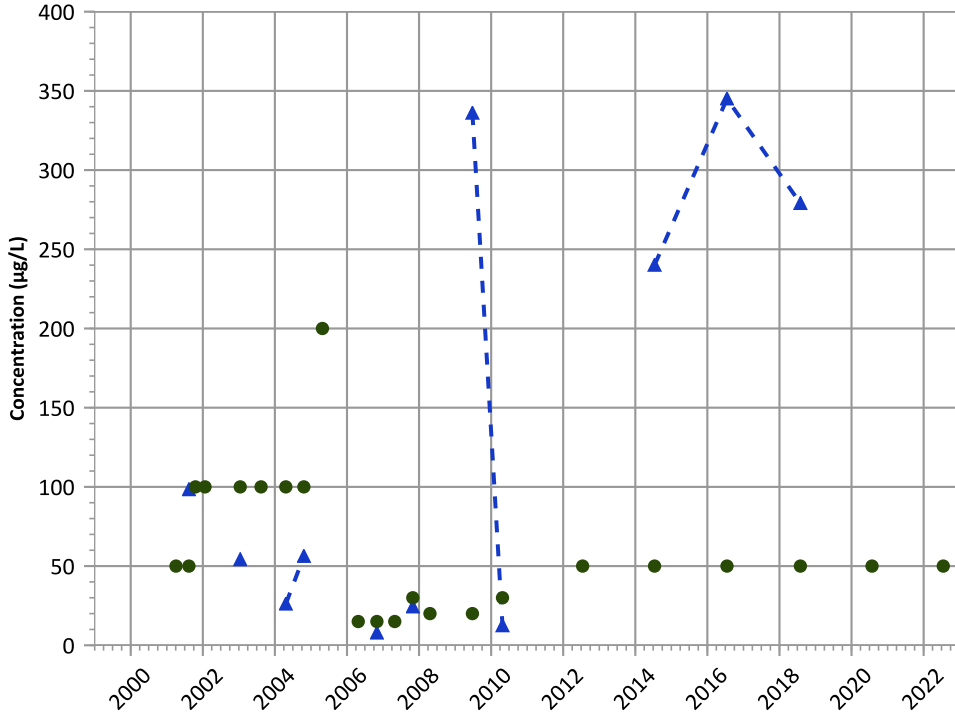


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend



Concentration Trend

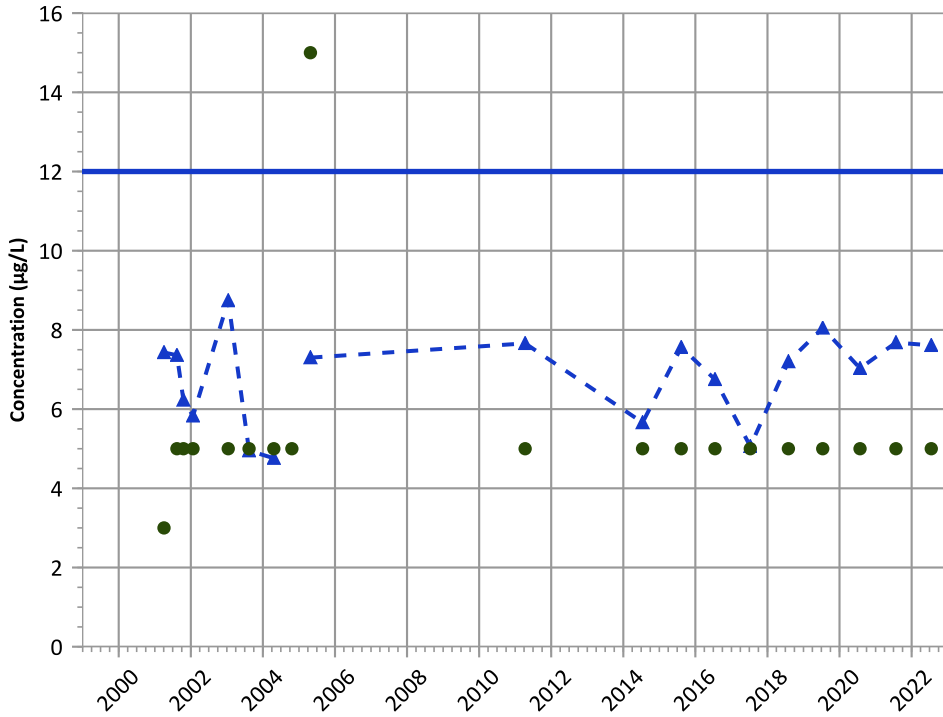
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Probably Increasing

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

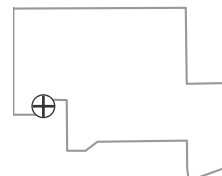
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

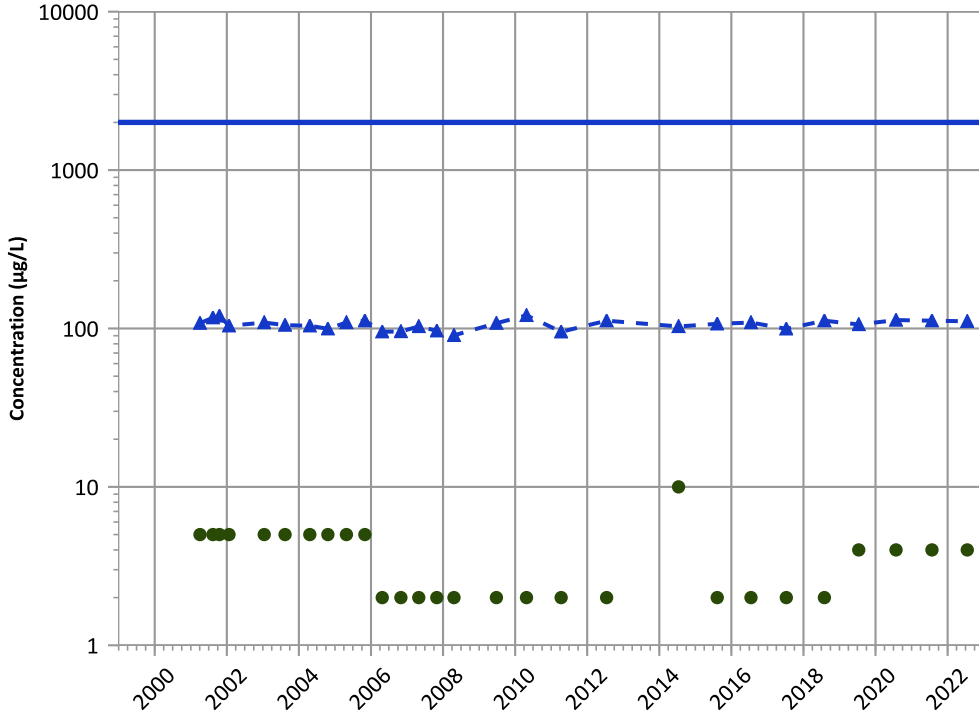
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

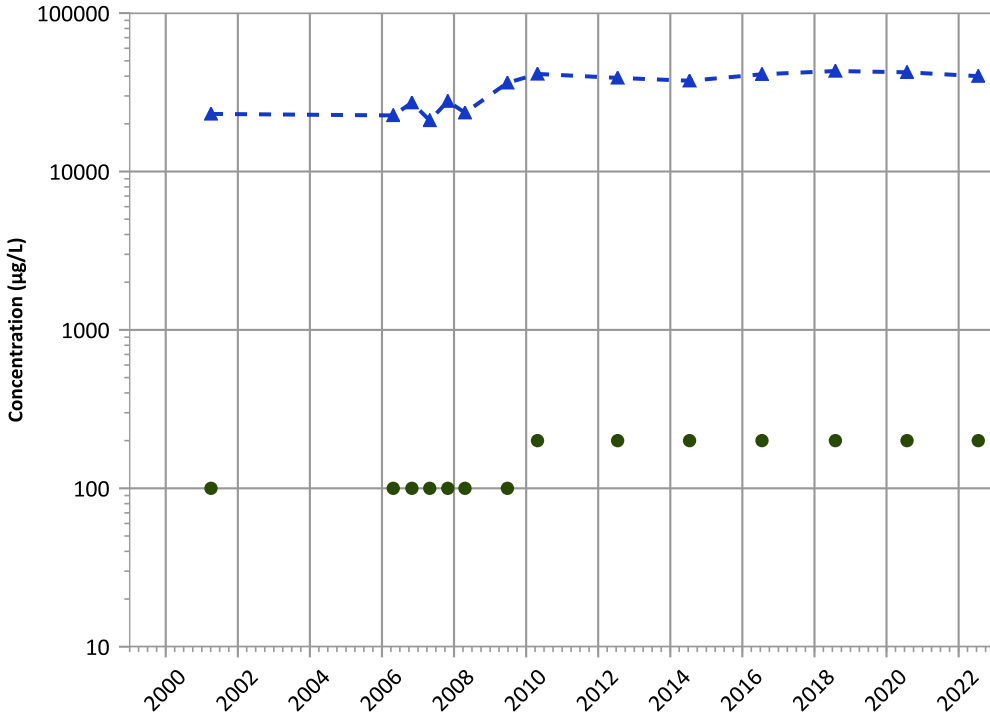
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

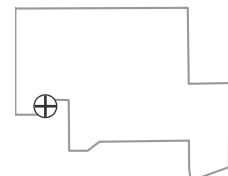
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

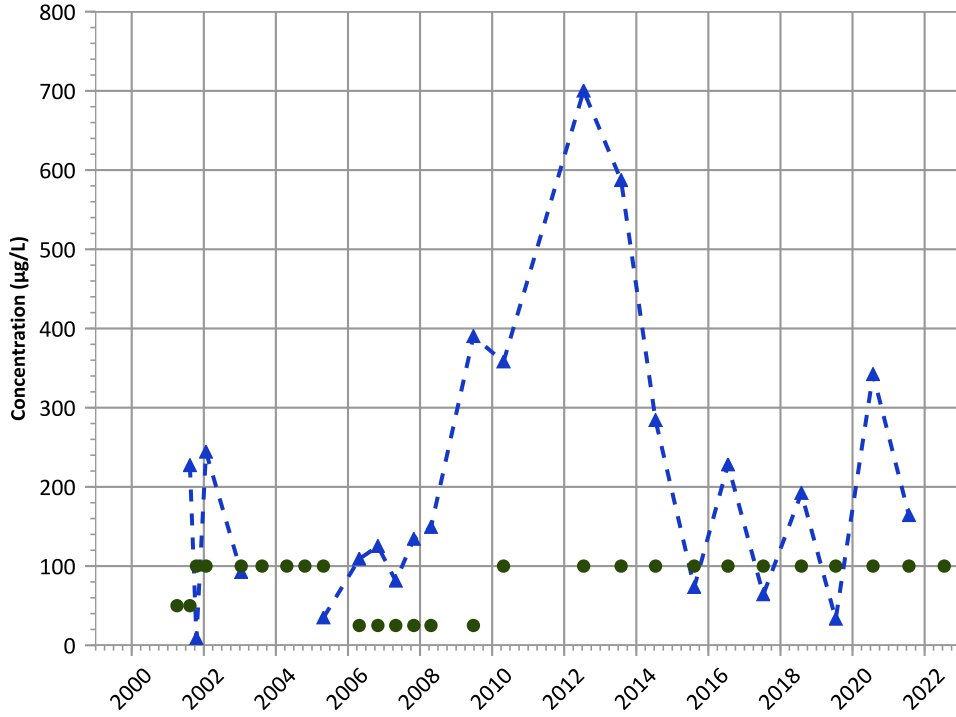
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

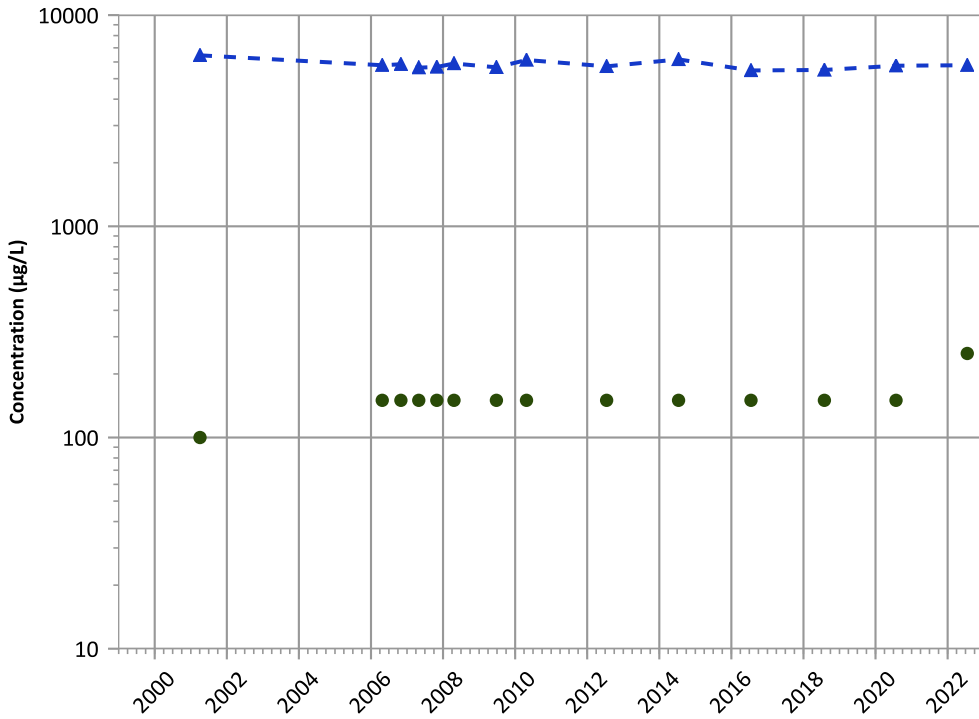
MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

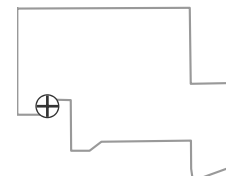
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

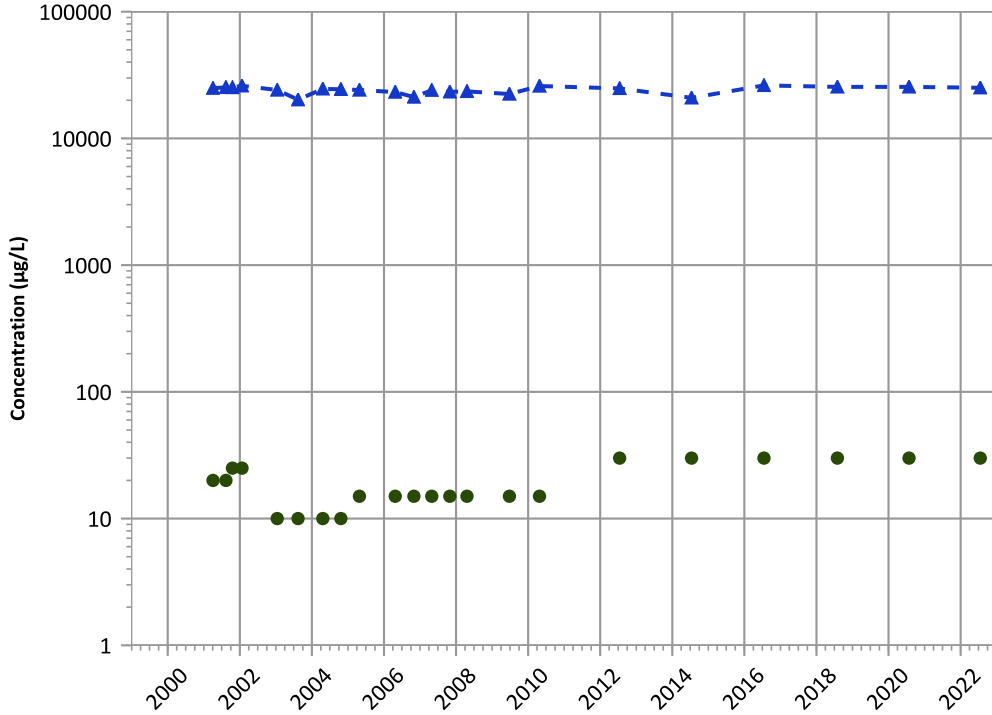
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

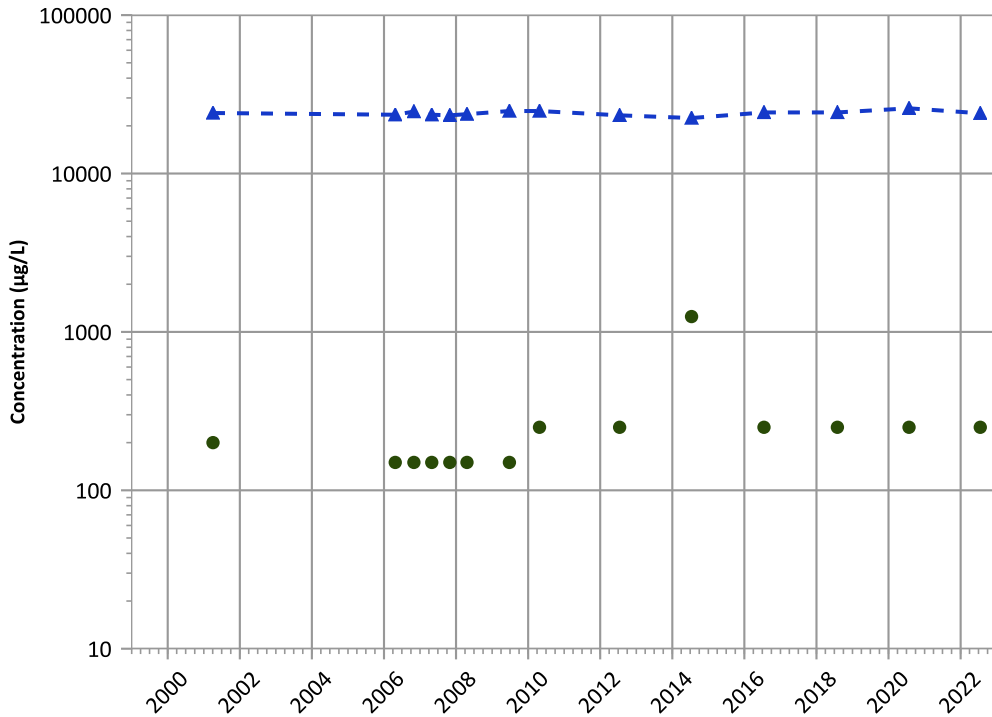
All Data:

Increasing

2020 - 2022 Data:

Decreasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

No Trend

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

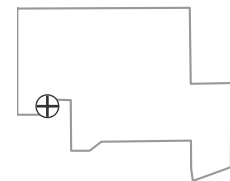
All Data:

Increasing

2020 - 2022 Data:

Increasing

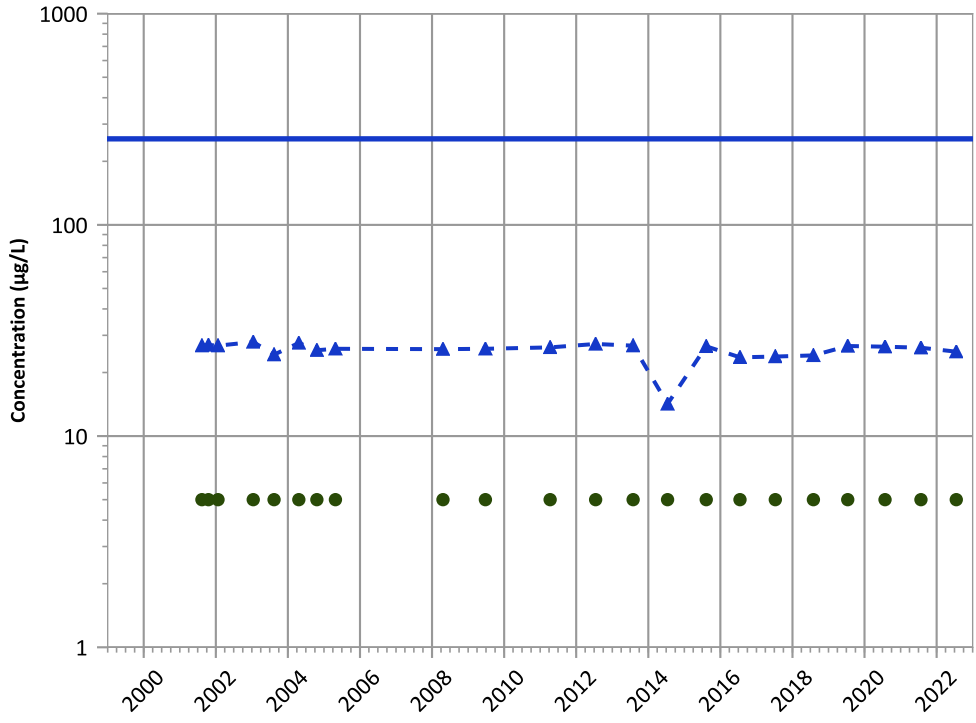
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1058 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Vanadium Trend**

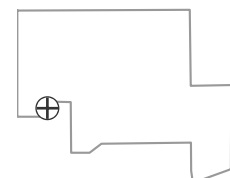


**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 All Data: Decreasing  
 2020 - 2022 Data: Decreasing  
**MAROS Linear Regression Method**  
 All Data: Stable  
 2020 - 2022 Data: Decreasing

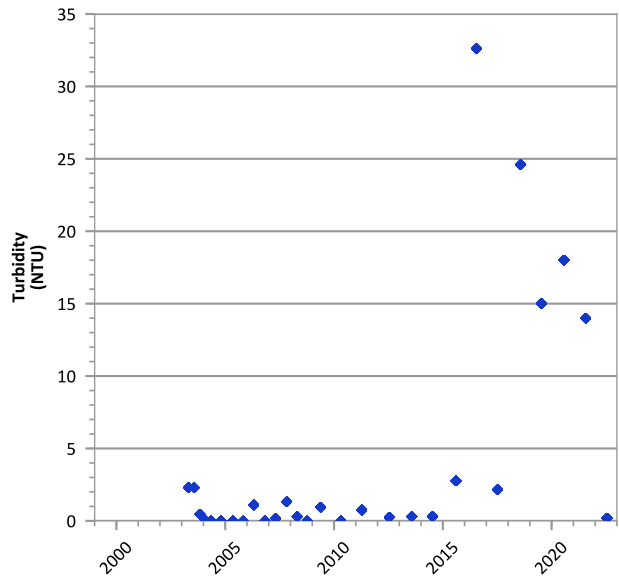
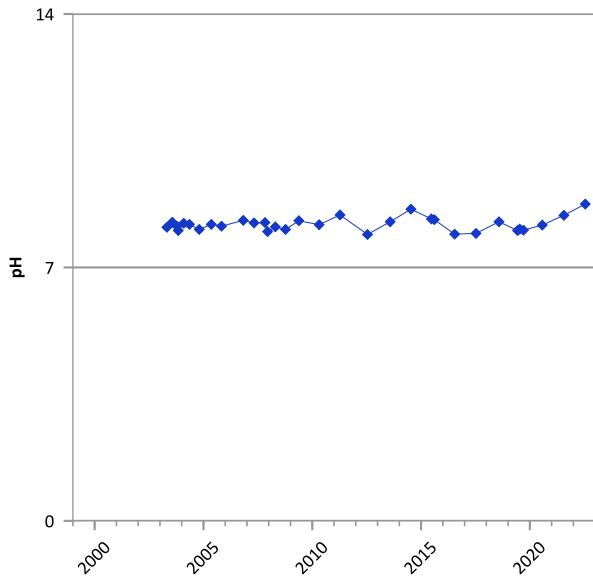
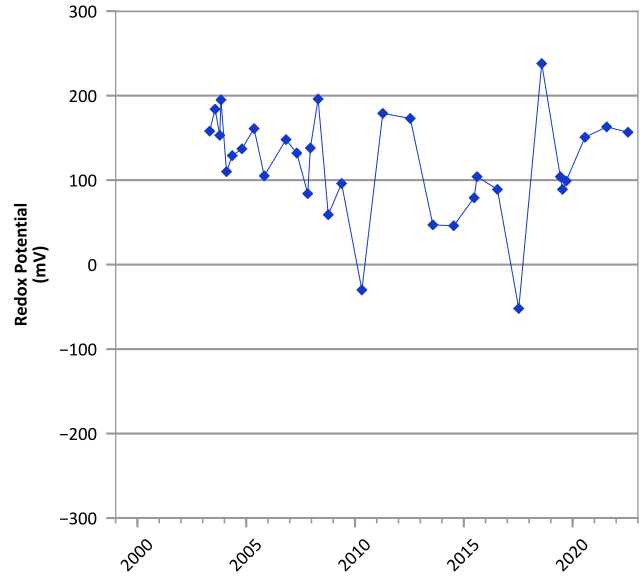
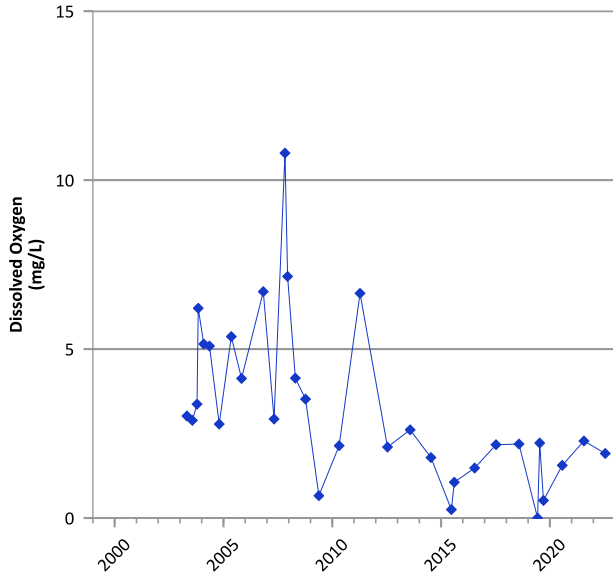
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/04/2001 to 07/19/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

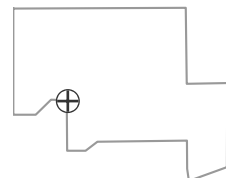


**PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



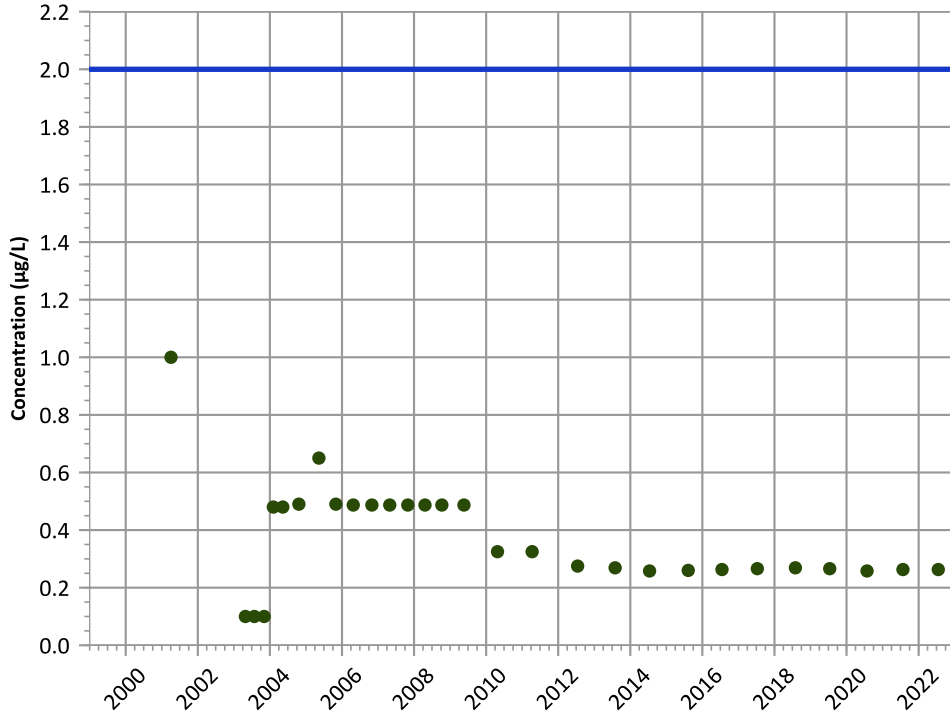
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/04/2001 to 07/19/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

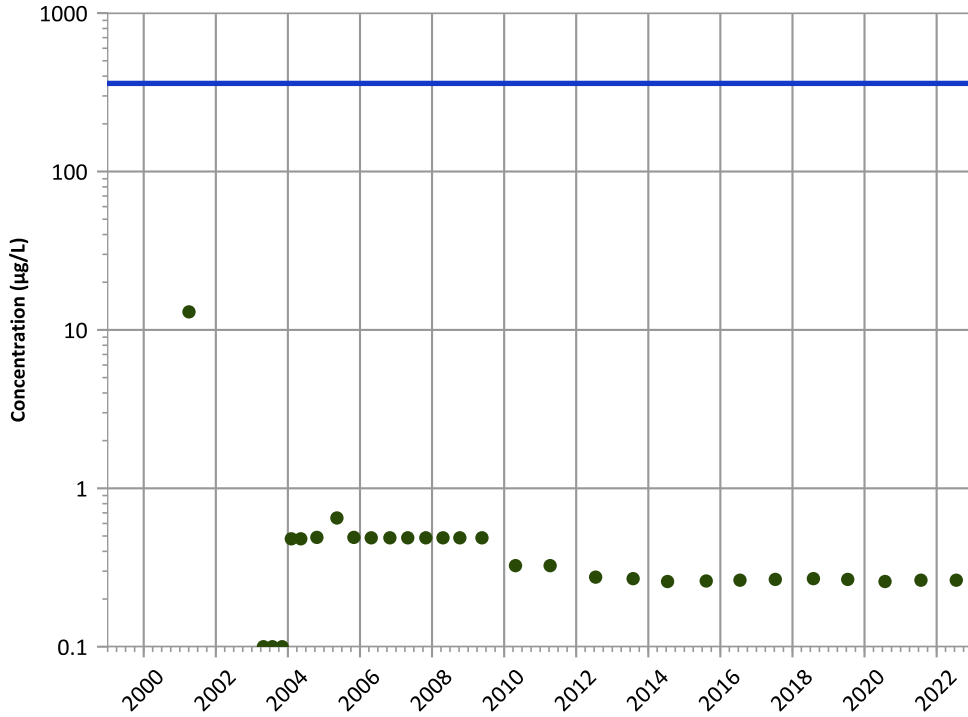
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

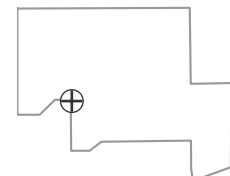
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

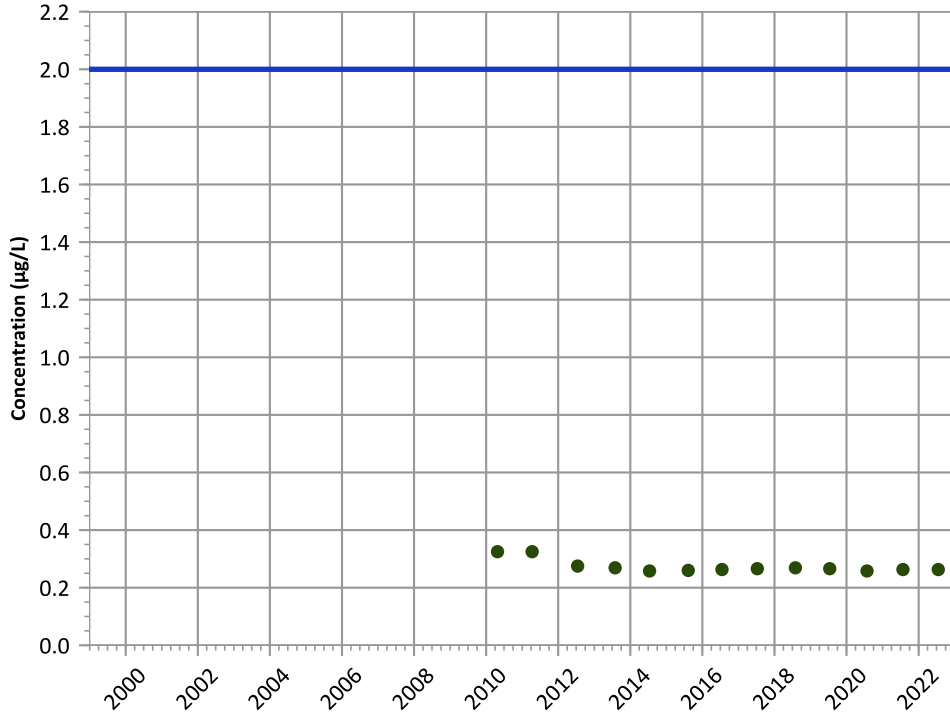
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

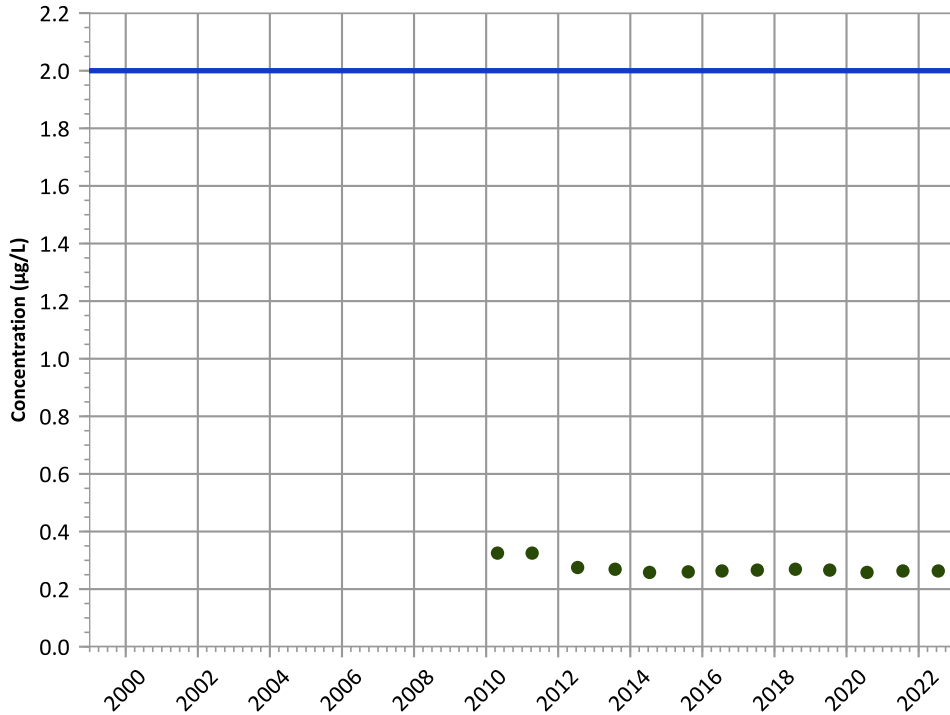
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

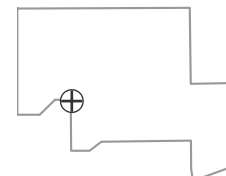
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

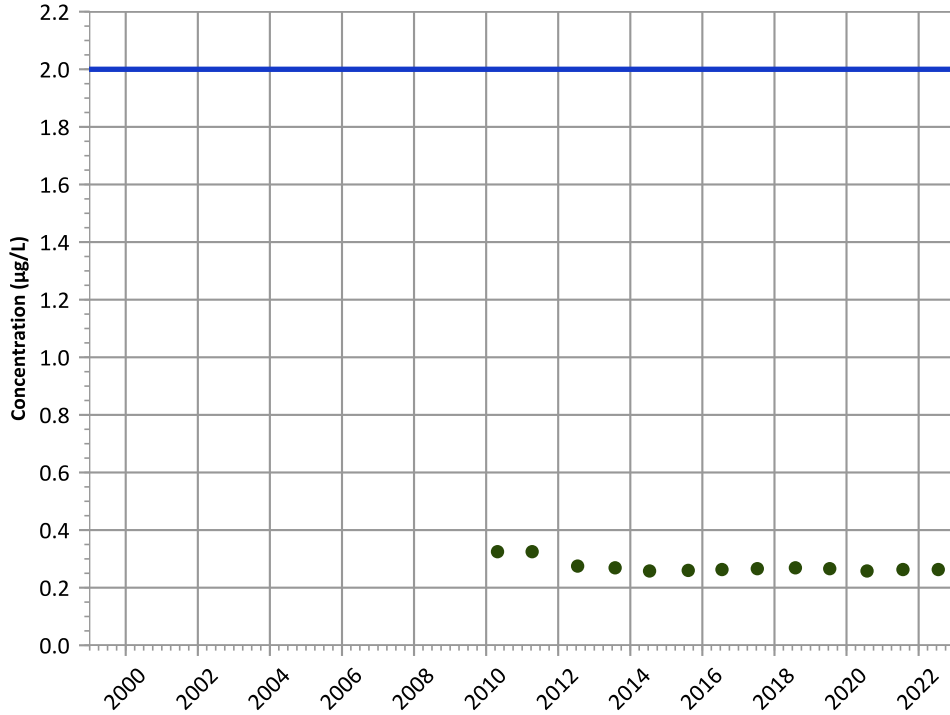
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

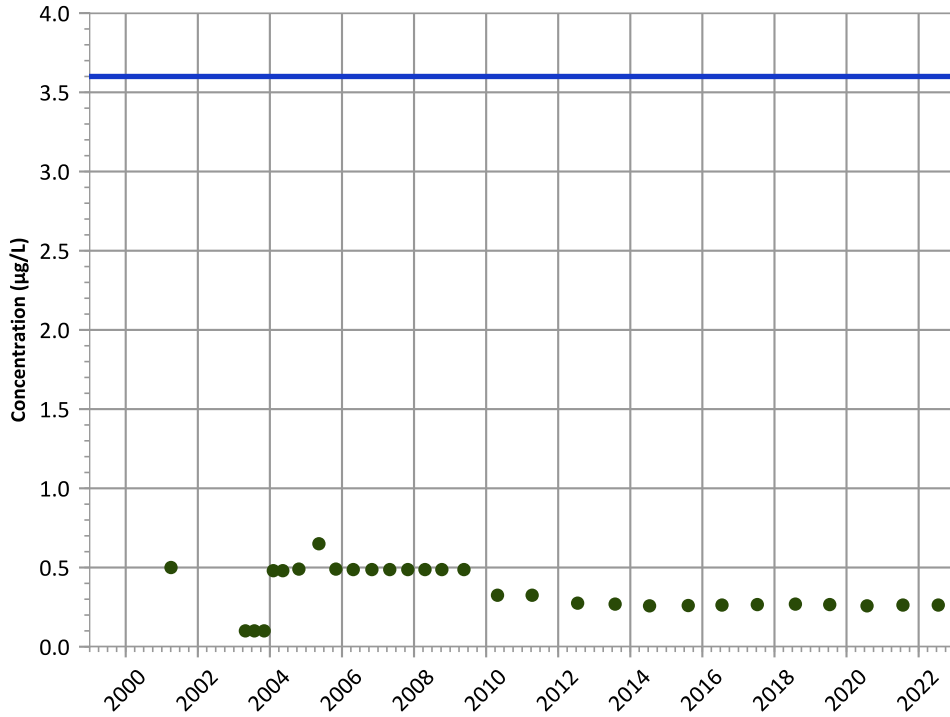
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

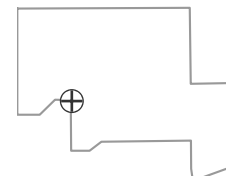
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

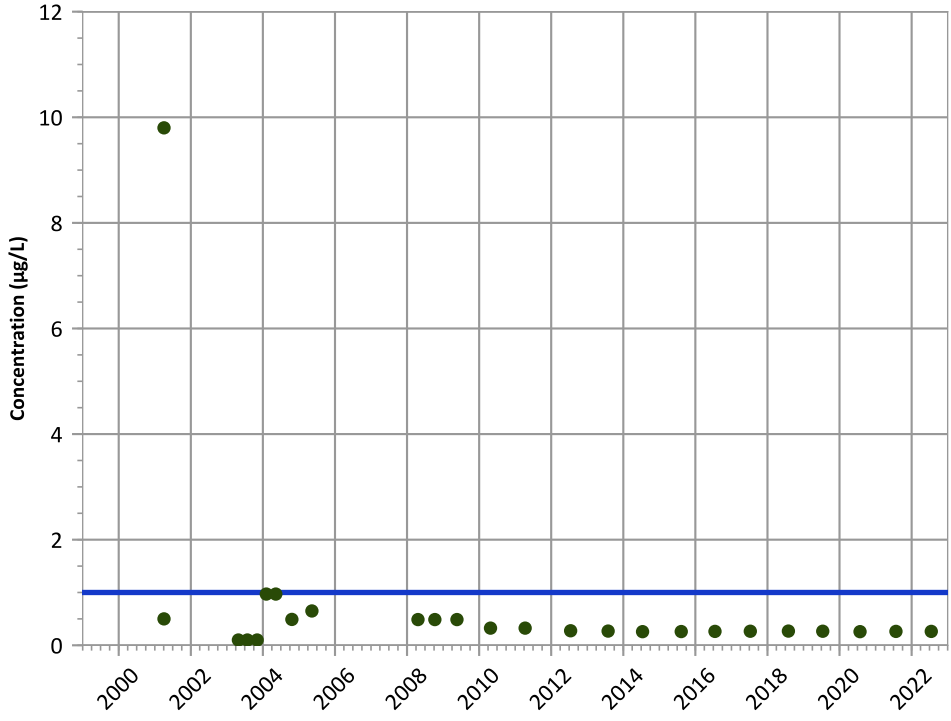
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

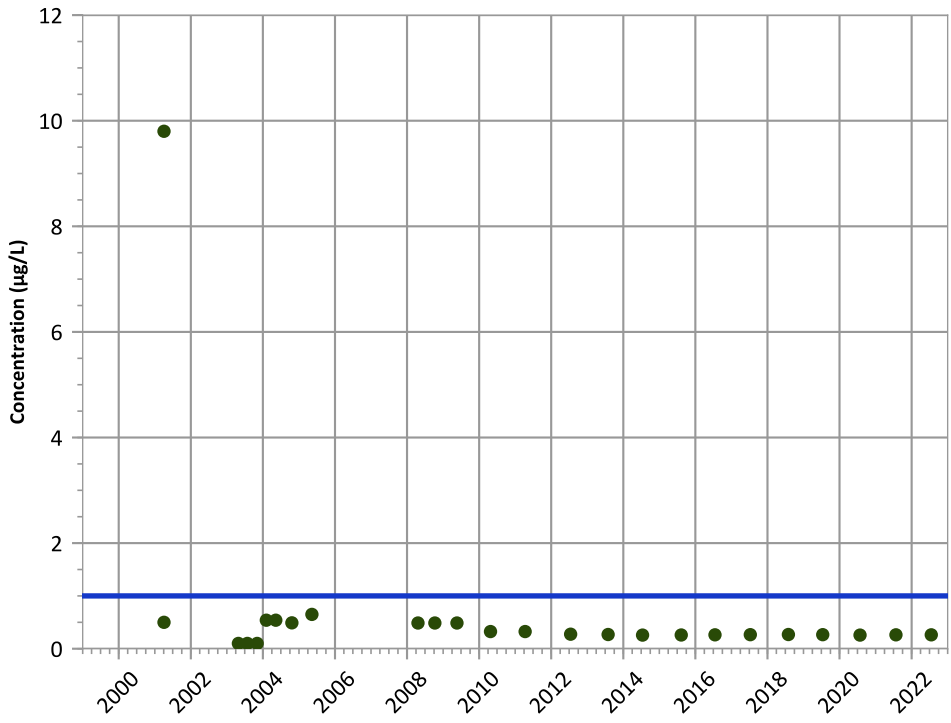
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

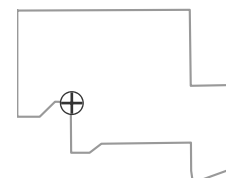
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

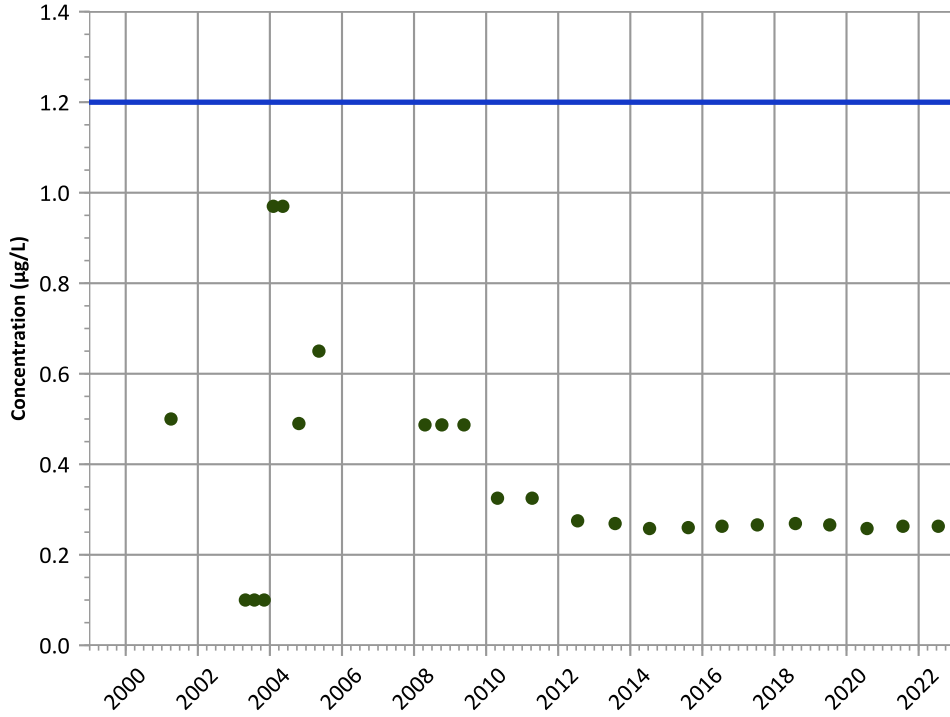
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

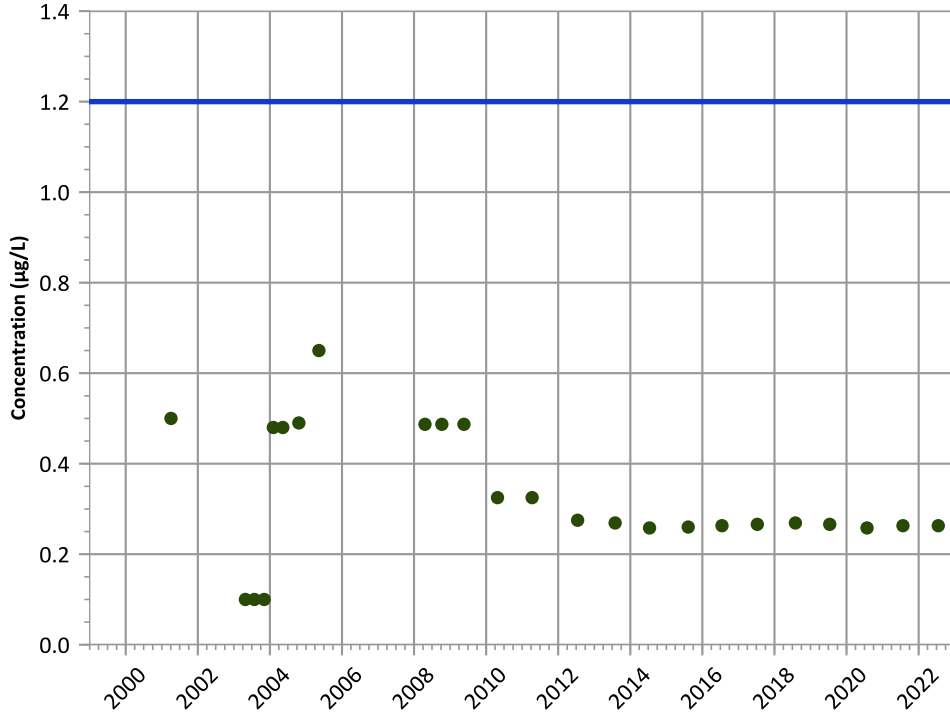
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

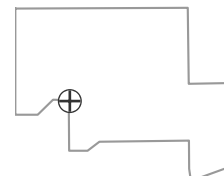
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

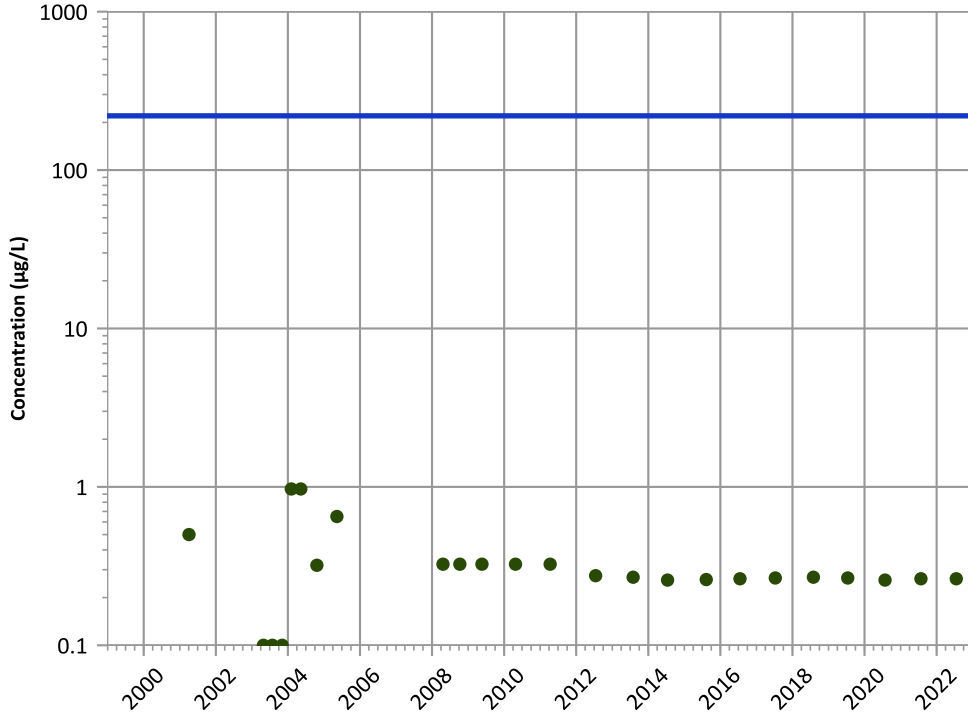
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

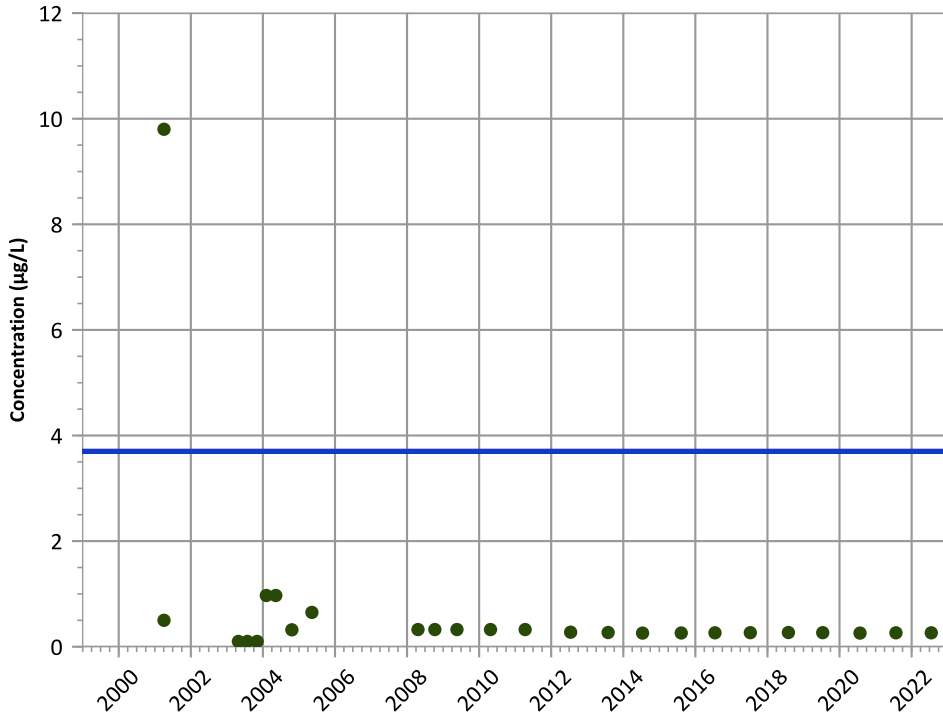
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

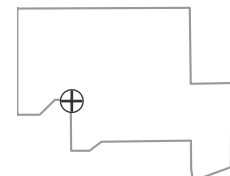
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

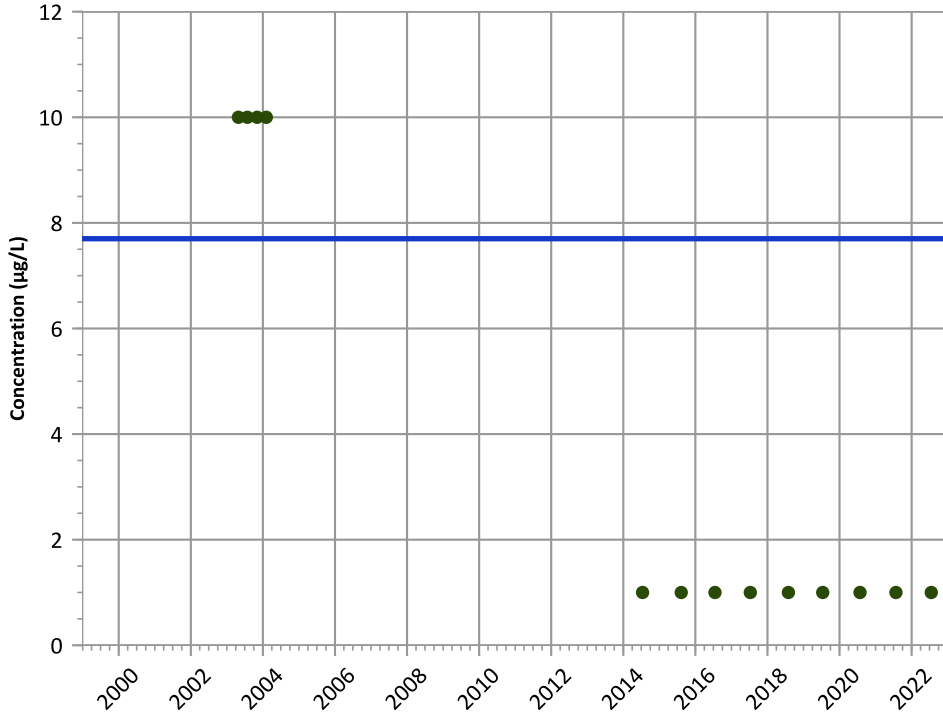
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

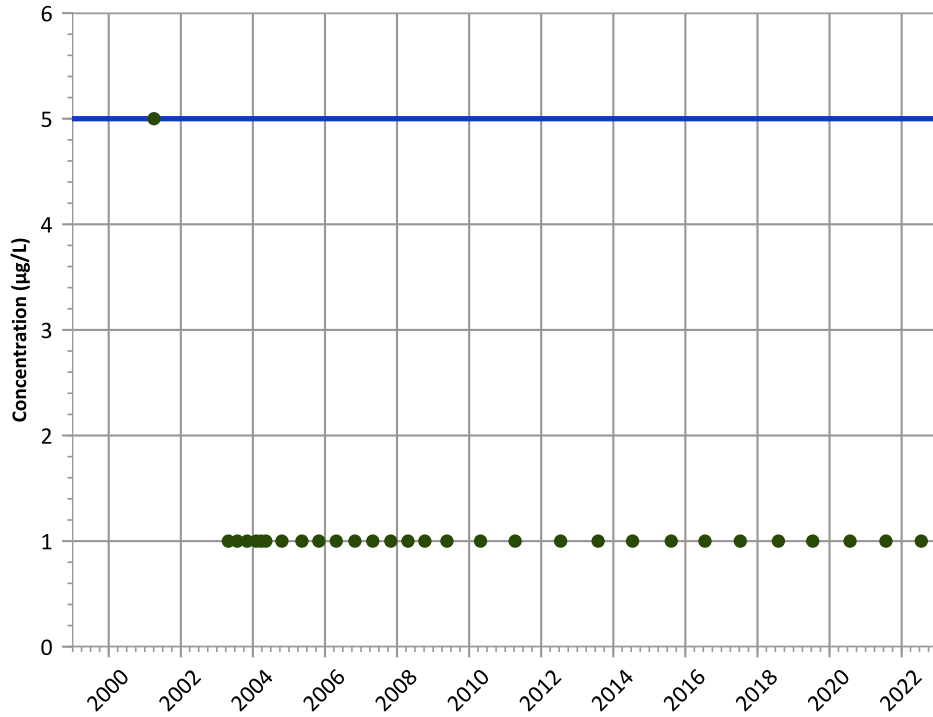
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

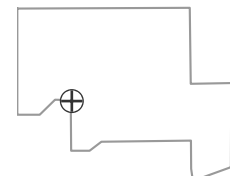
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

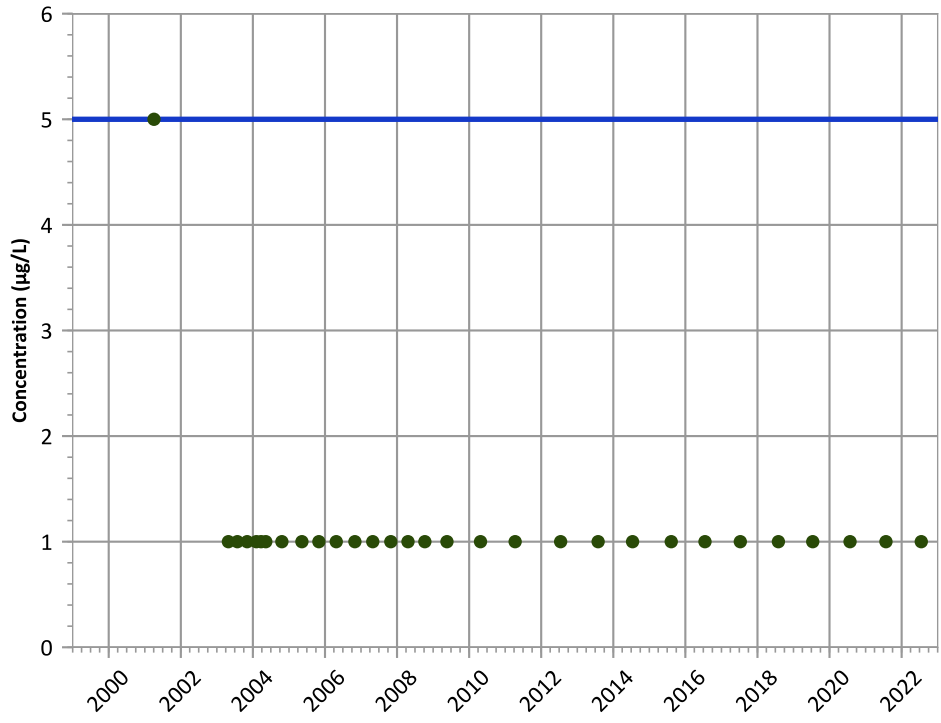
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

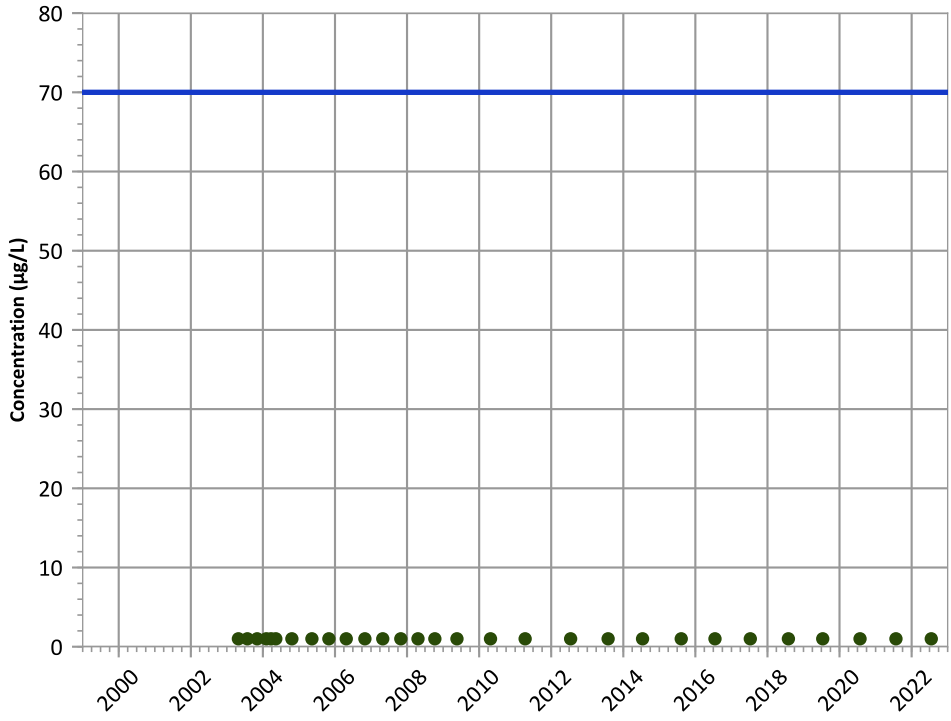
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

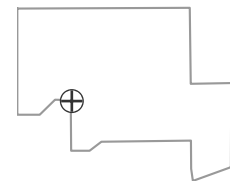
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

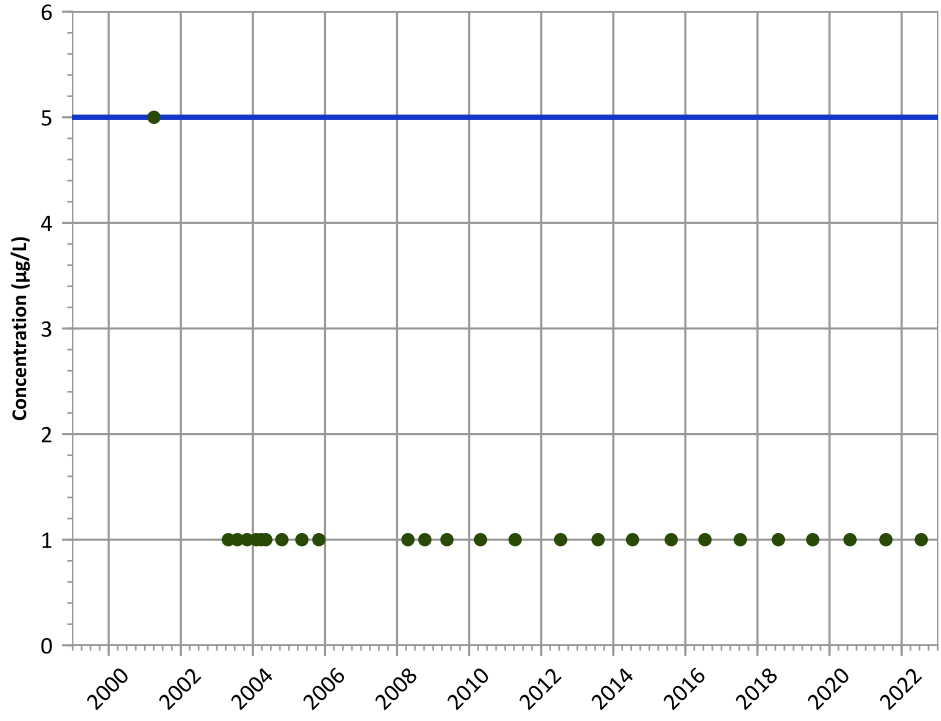
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

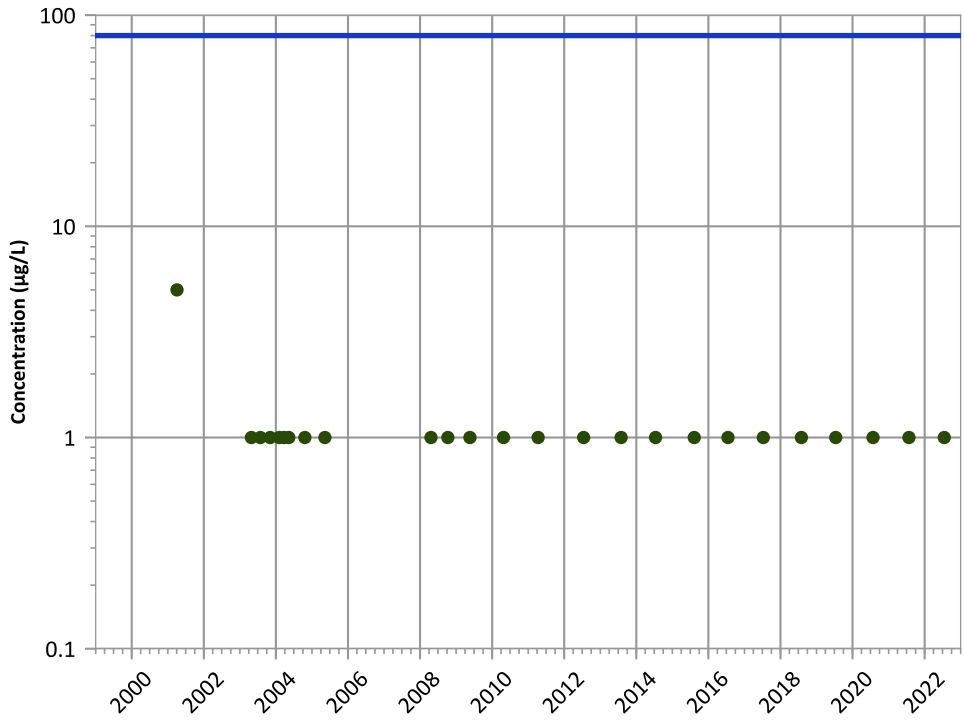
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

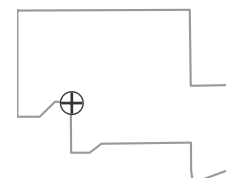
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

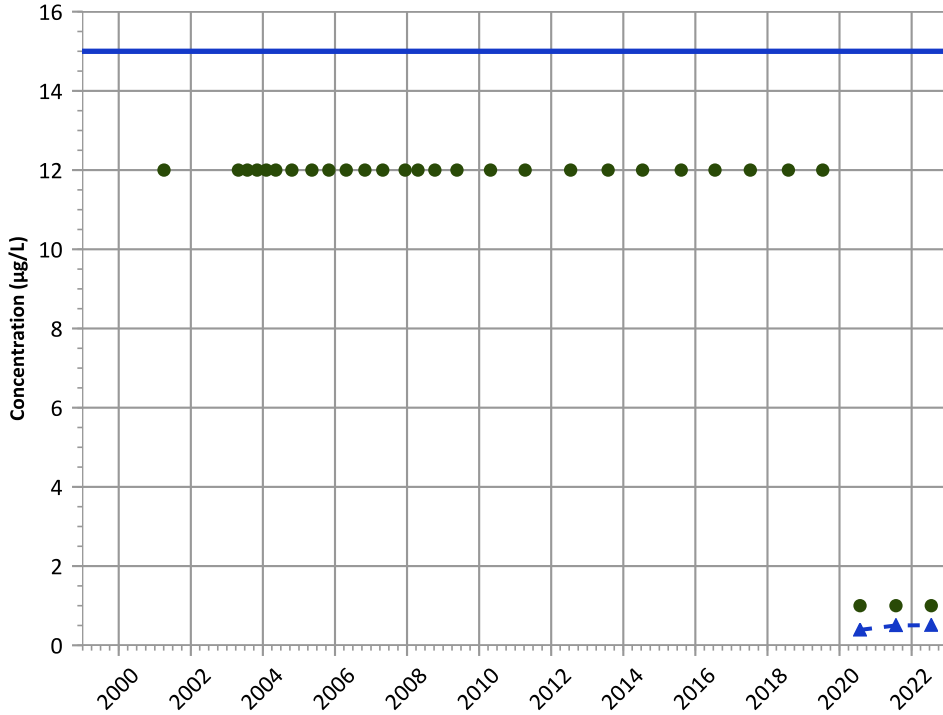


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

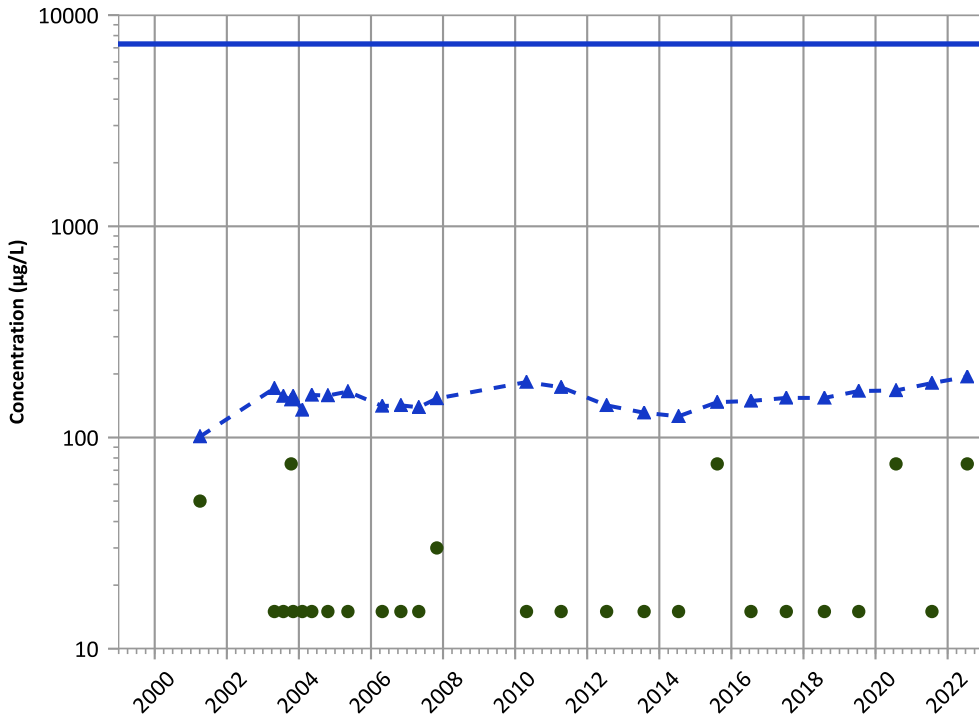
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Probably Increasing  
2020 - 2022 Data:  
Increasing

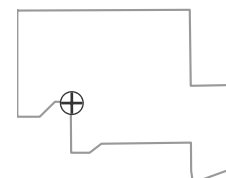
**MAROS Linear Regression Method**

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

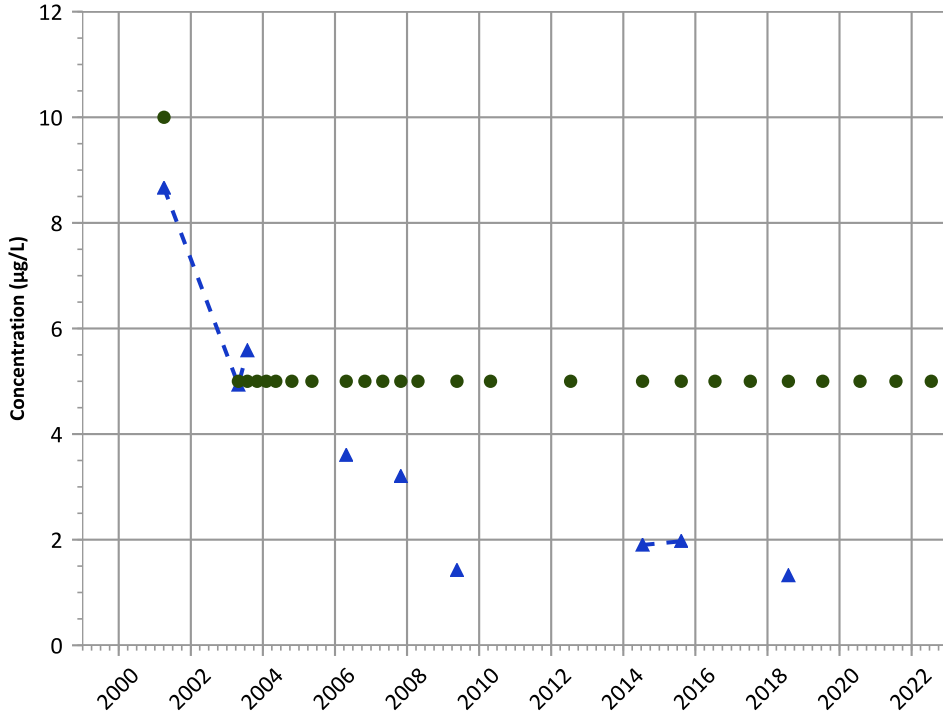
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

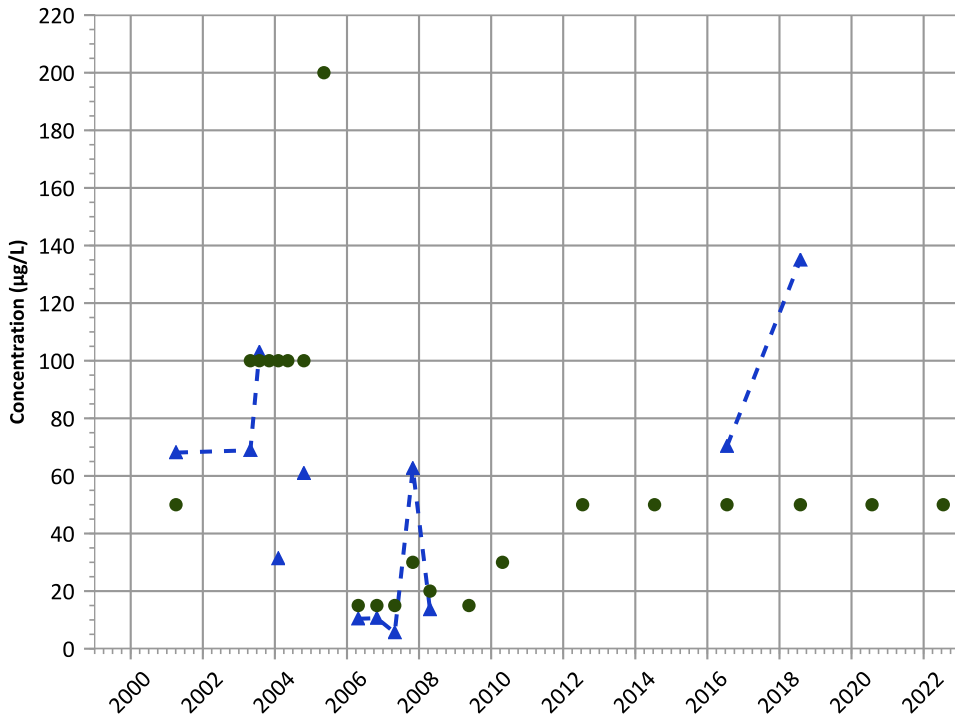
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

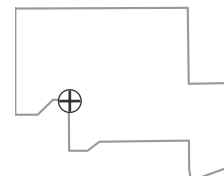
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

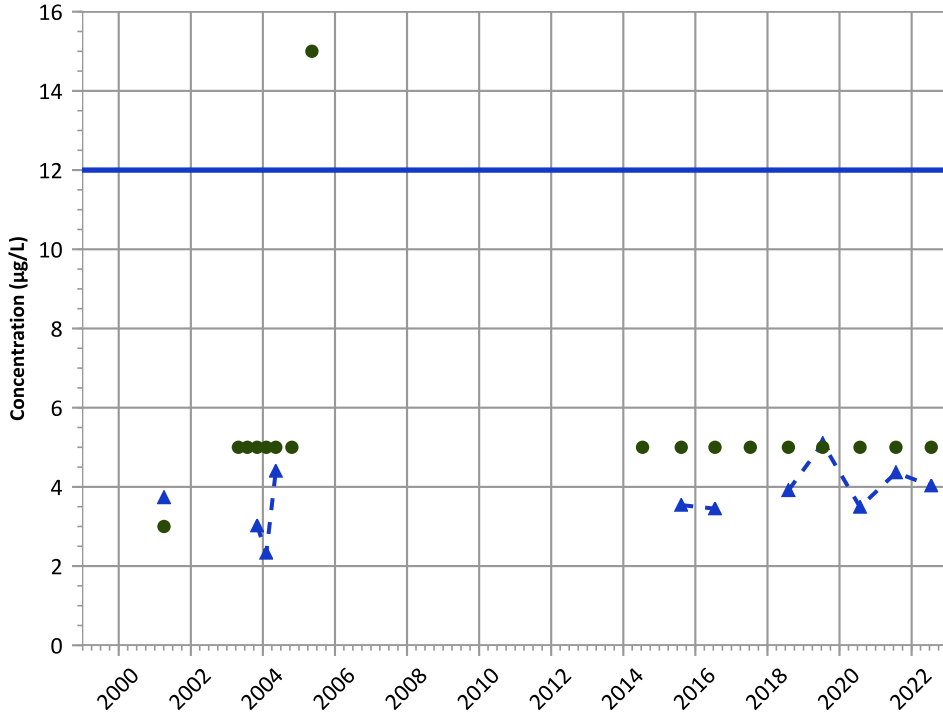
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

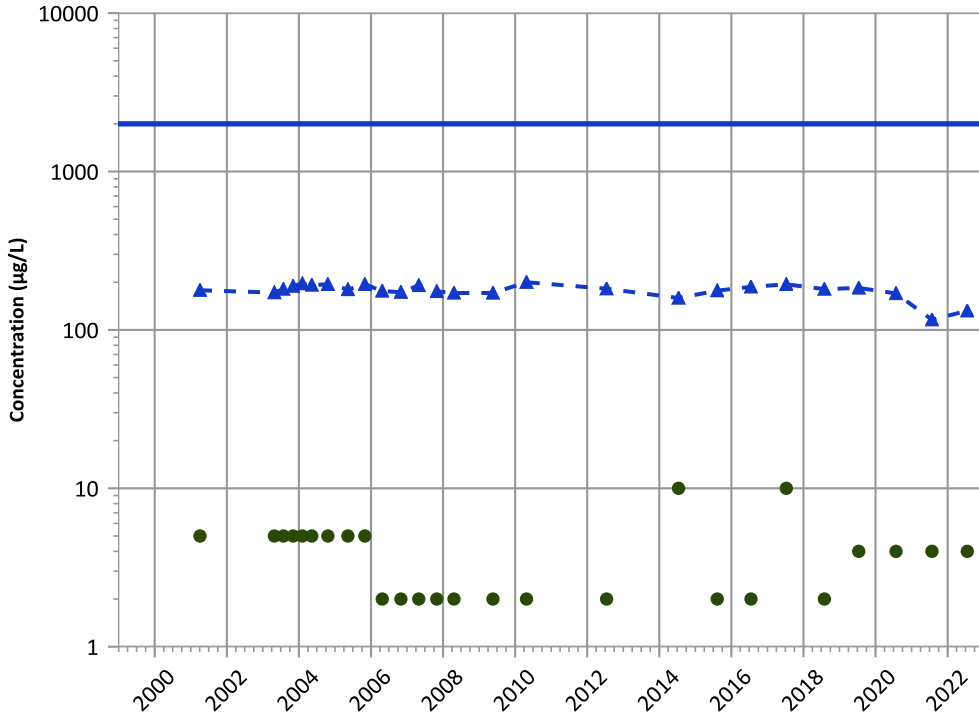
MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

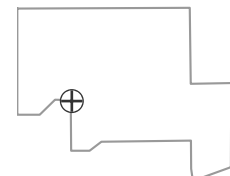
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

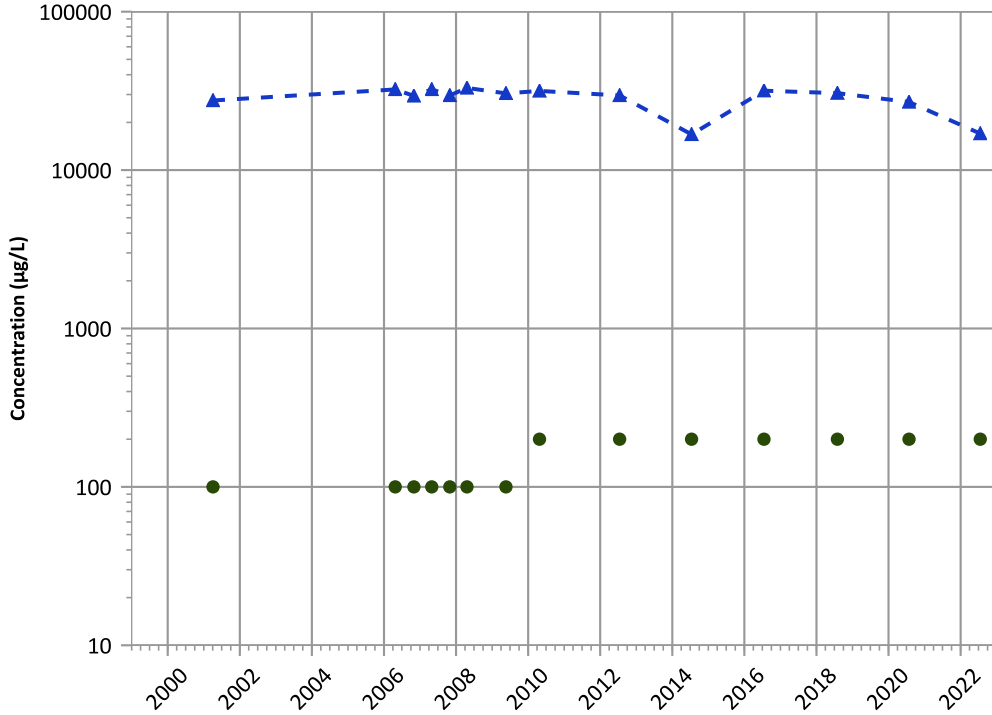
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

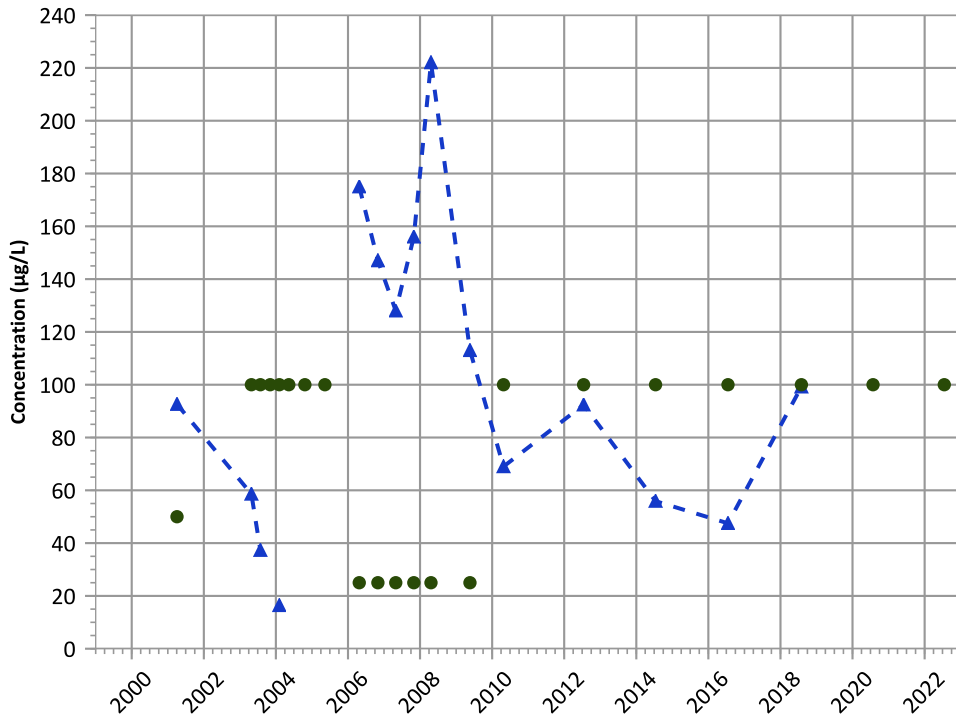
All Data:

Decreasing

2020 - 2022 Data:

Stable

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

No Trend

2020 - 2022 Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

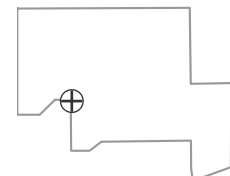
All Data:

No Trend

2020 - 2022 Data:

Stable

Well Location

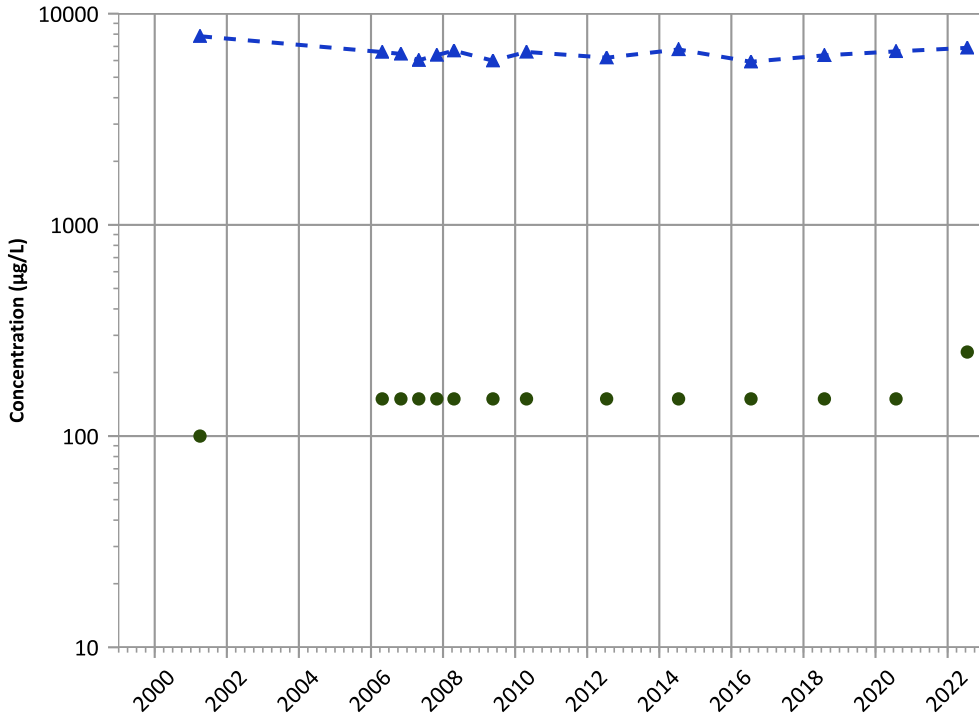


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1059 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

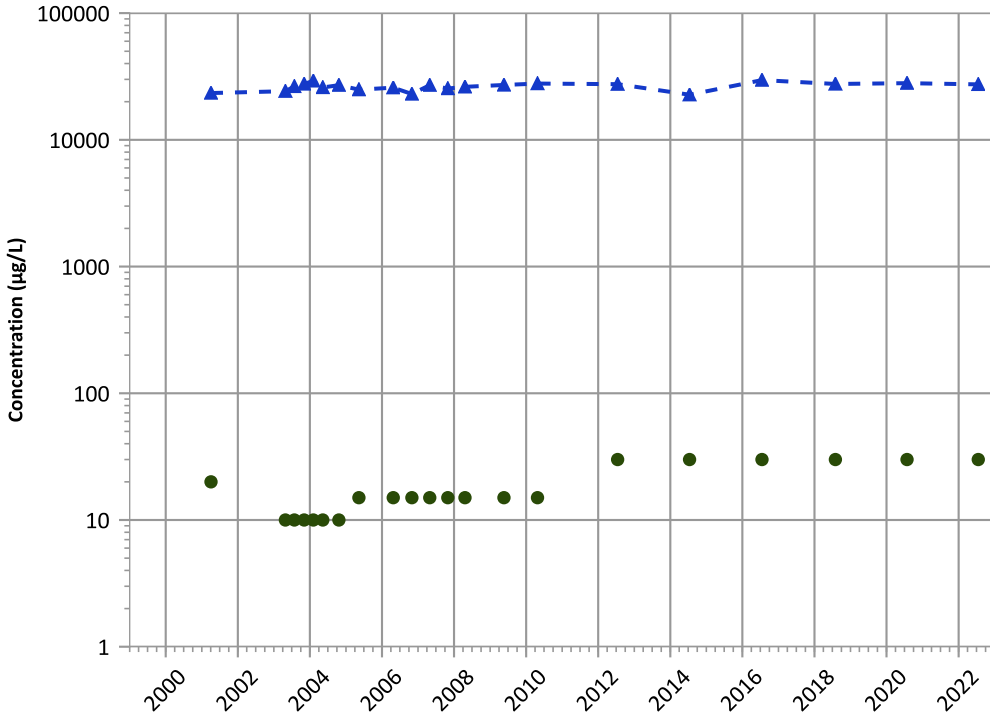
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Magnesium Trend



Concentration Trend

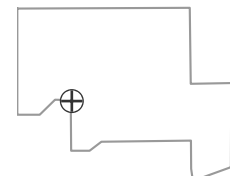
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

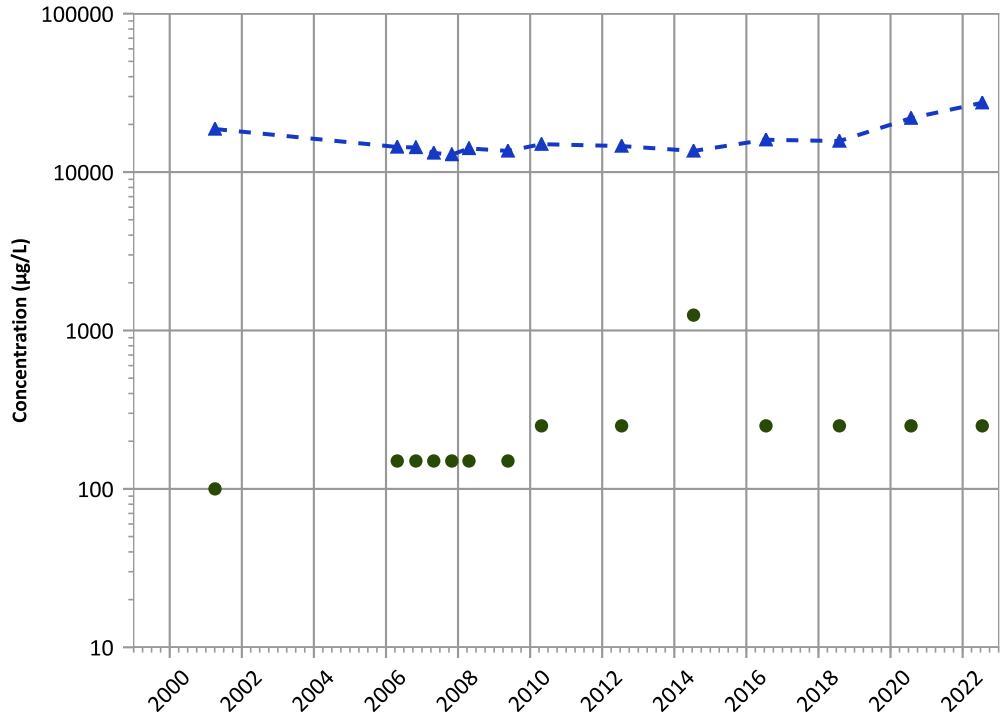
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/04/2001 to 07/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1059 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend

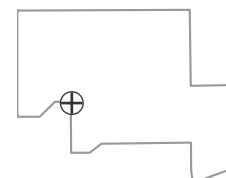


**Concentration Trend**  
 MAROS Mann-Kendall Method  
 All Data: No Trend  
 2020 - 2022 Data: No Trend  
 MAROS Linear Regression Method  
 All Data: No Trend  
 2020 - 2022 Data: No Trend

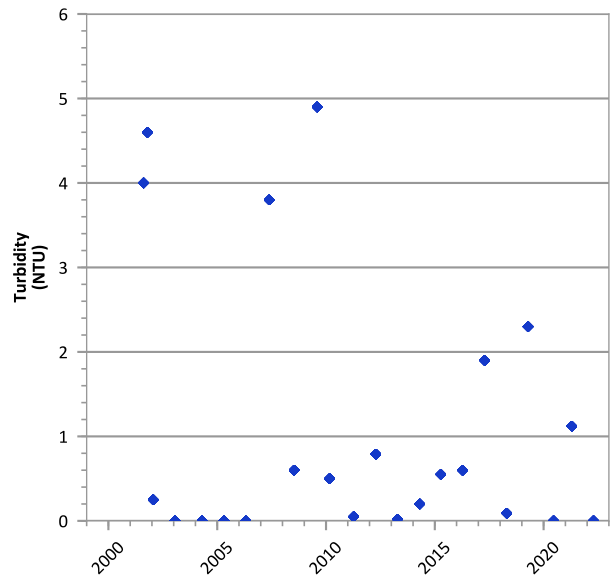
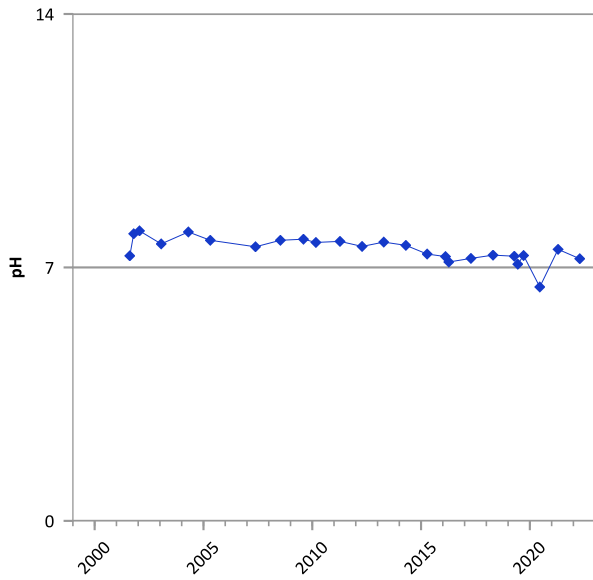
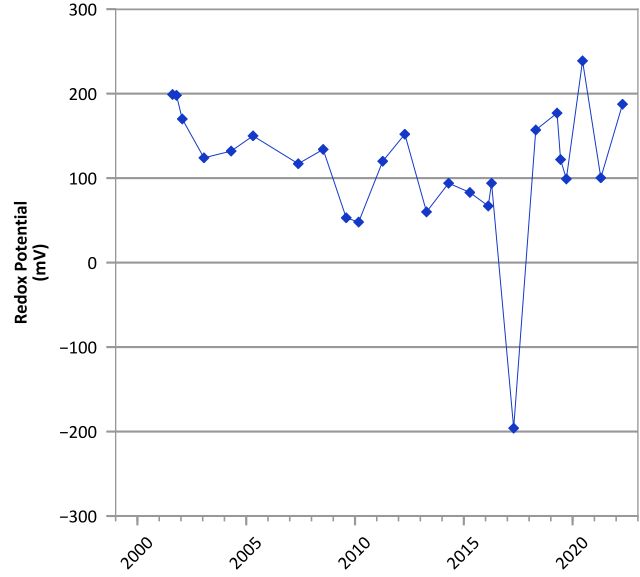
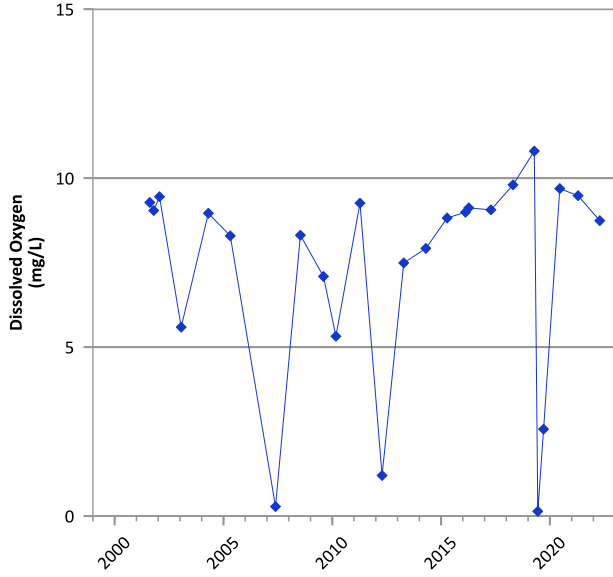
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/04/2001 to 07/19/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

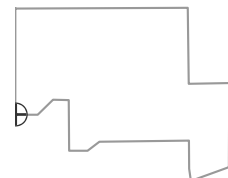


**PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



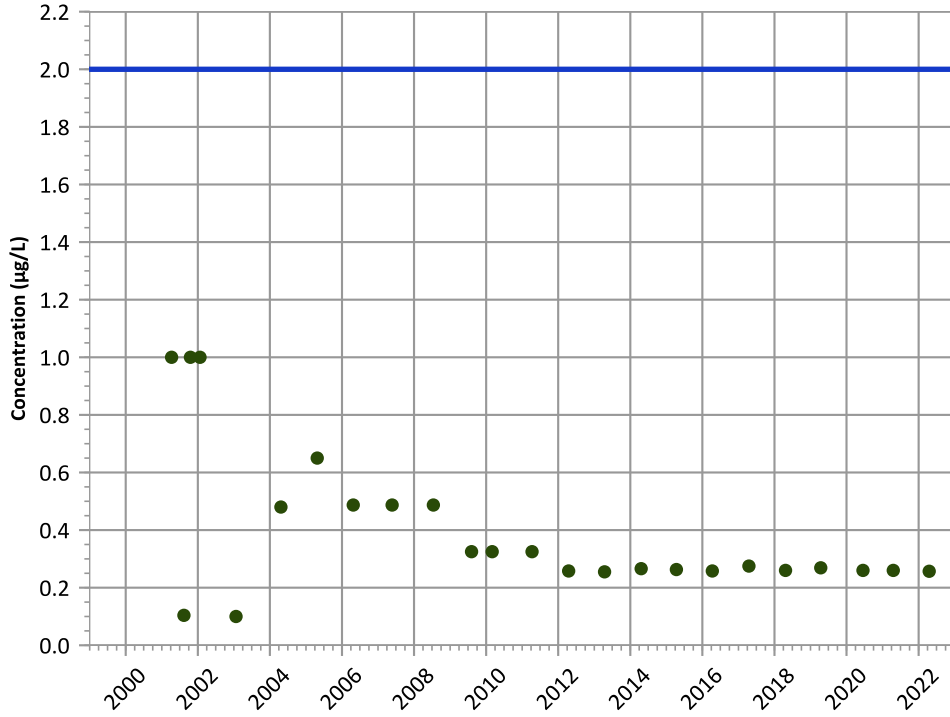
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/10/2001 to 04/18/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

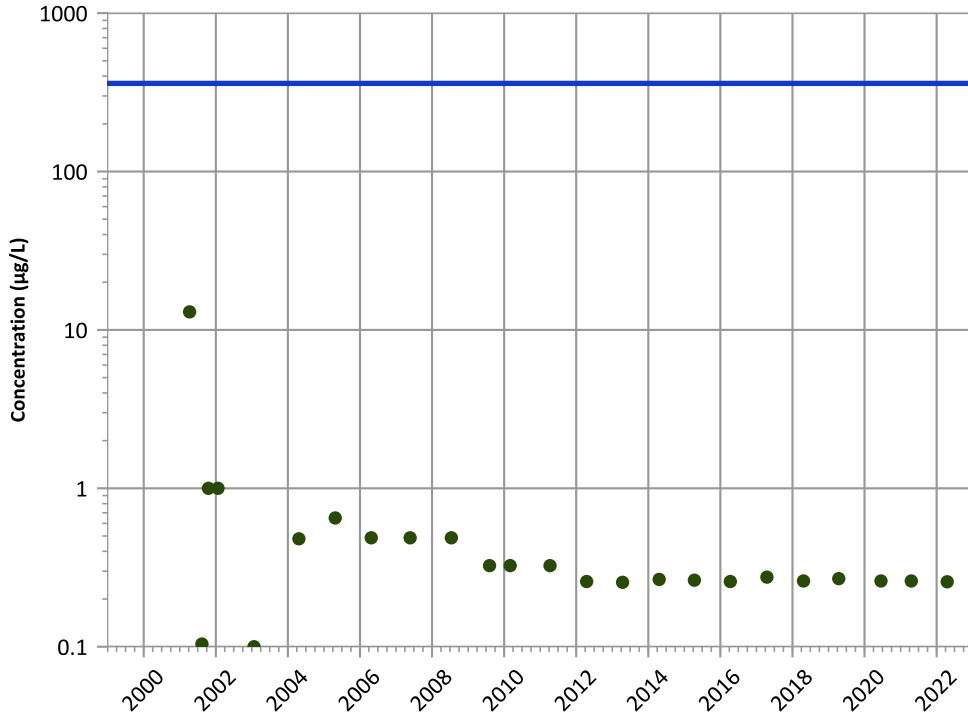
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

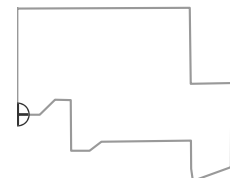
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

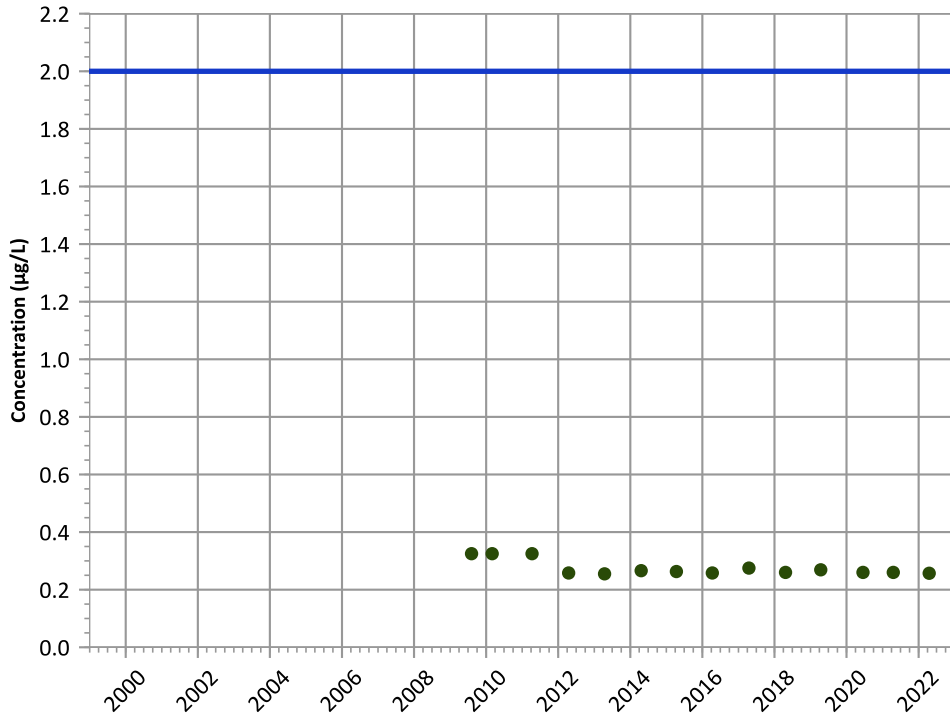
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

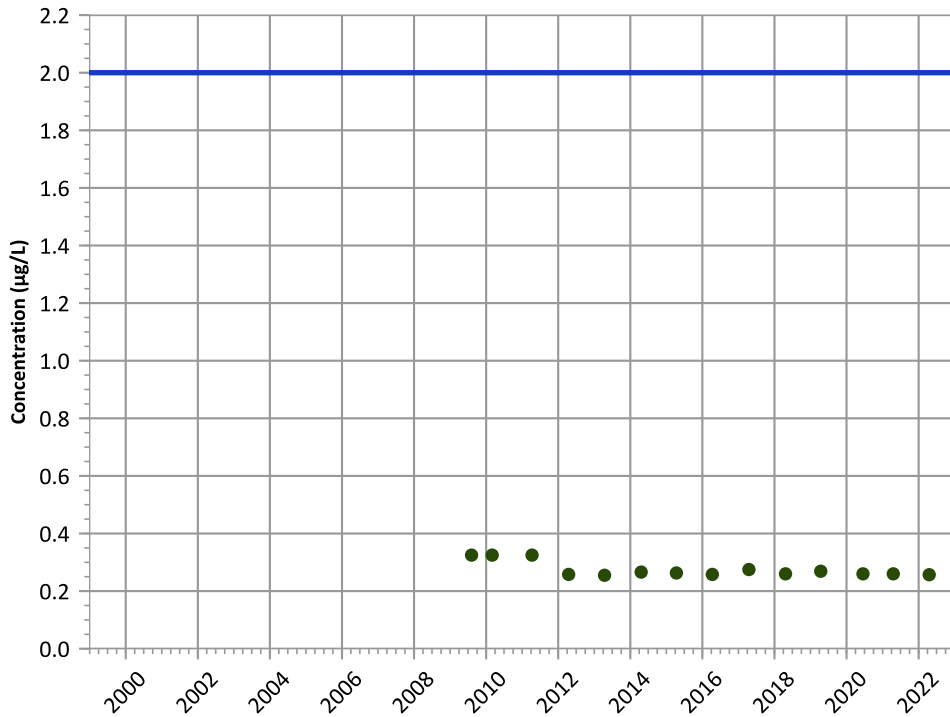
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

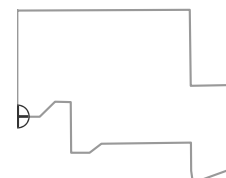
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

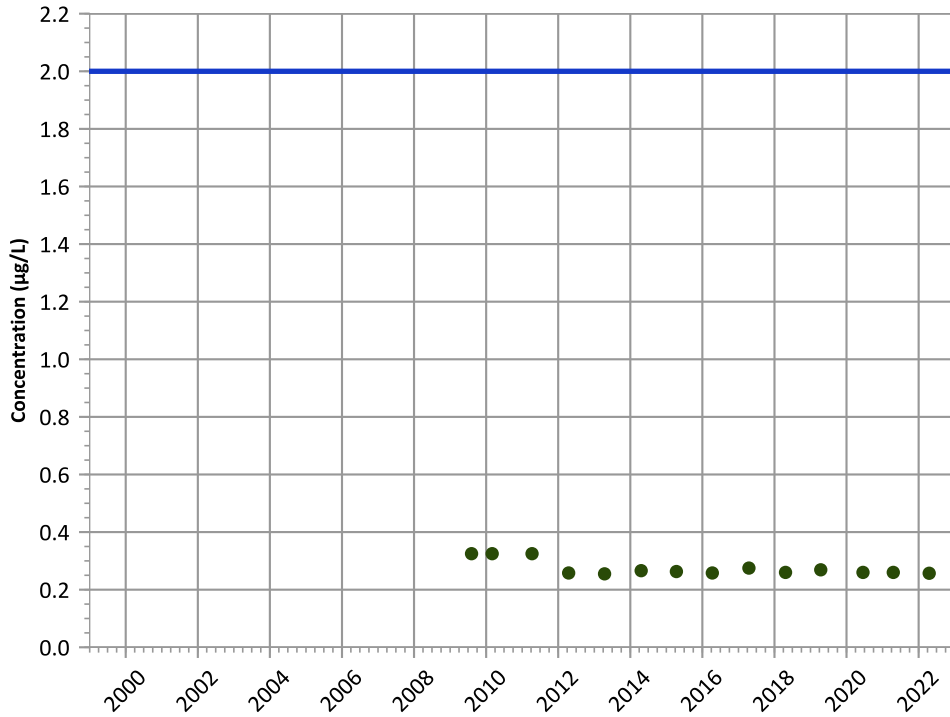
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

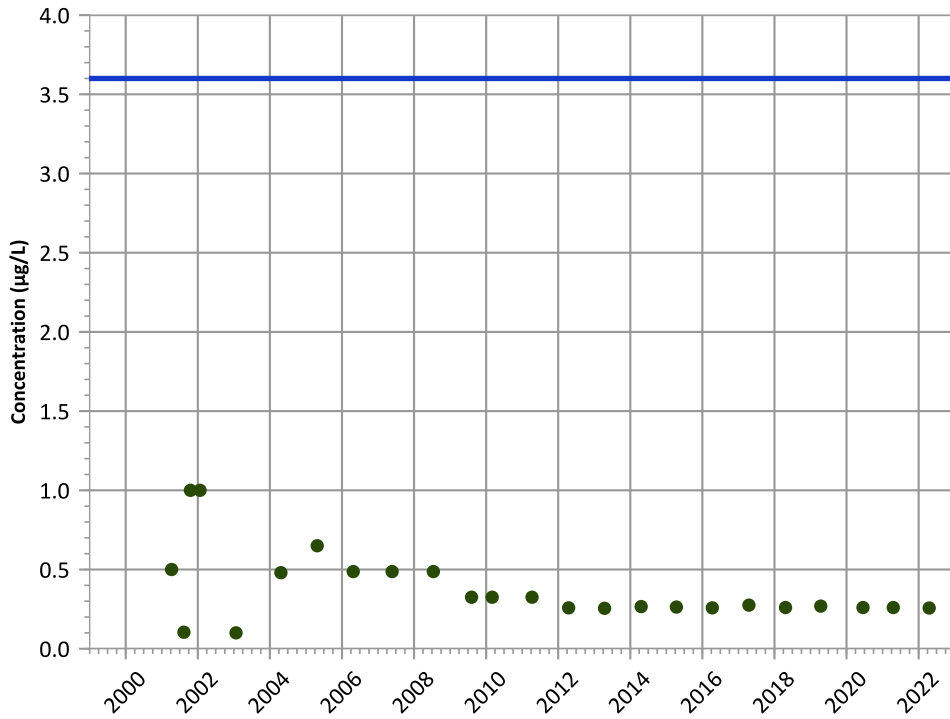
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

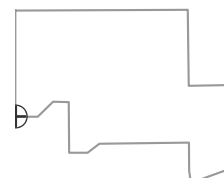
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

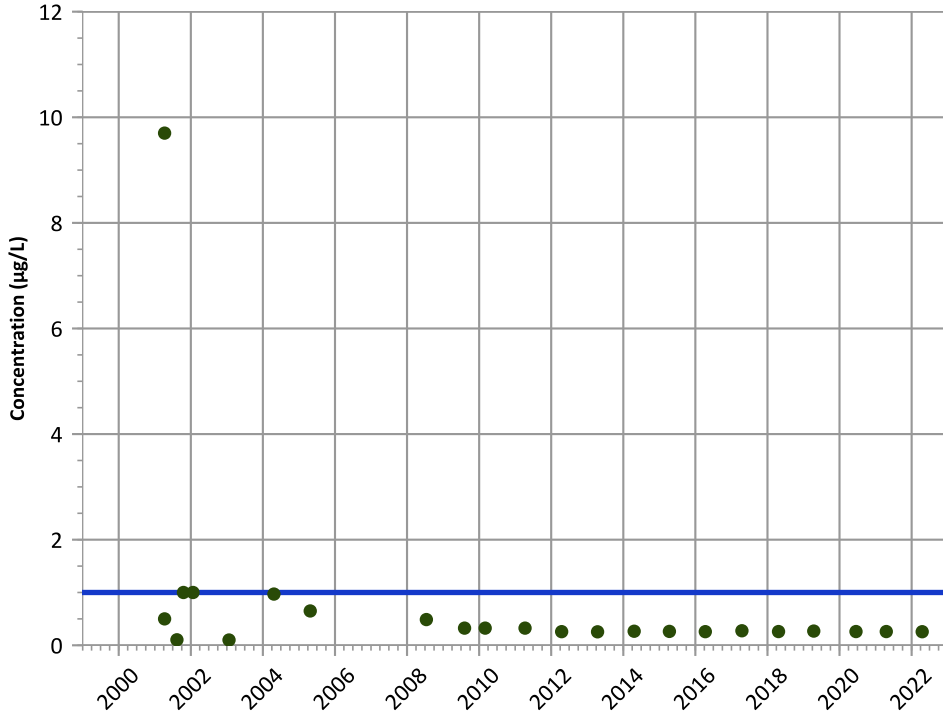
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

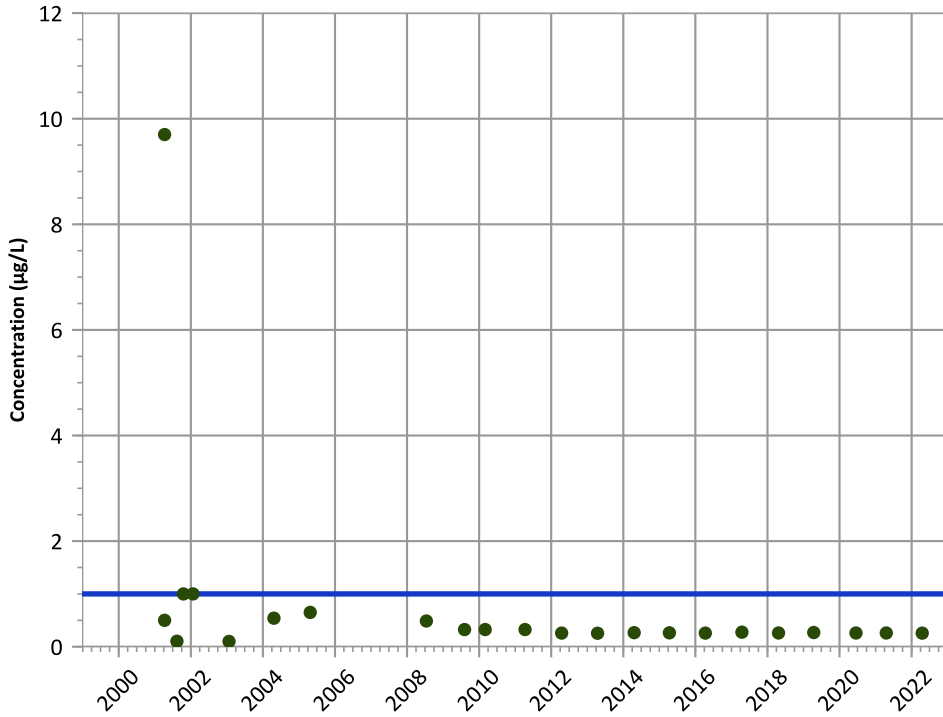
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

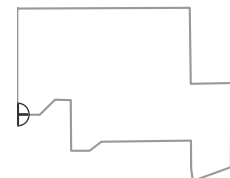
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

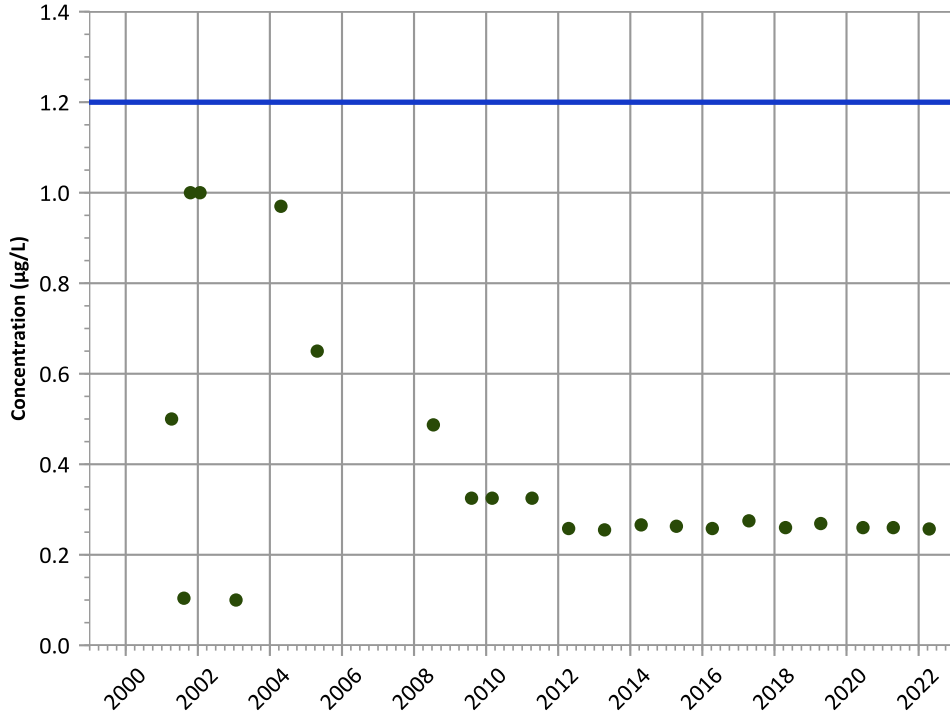
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

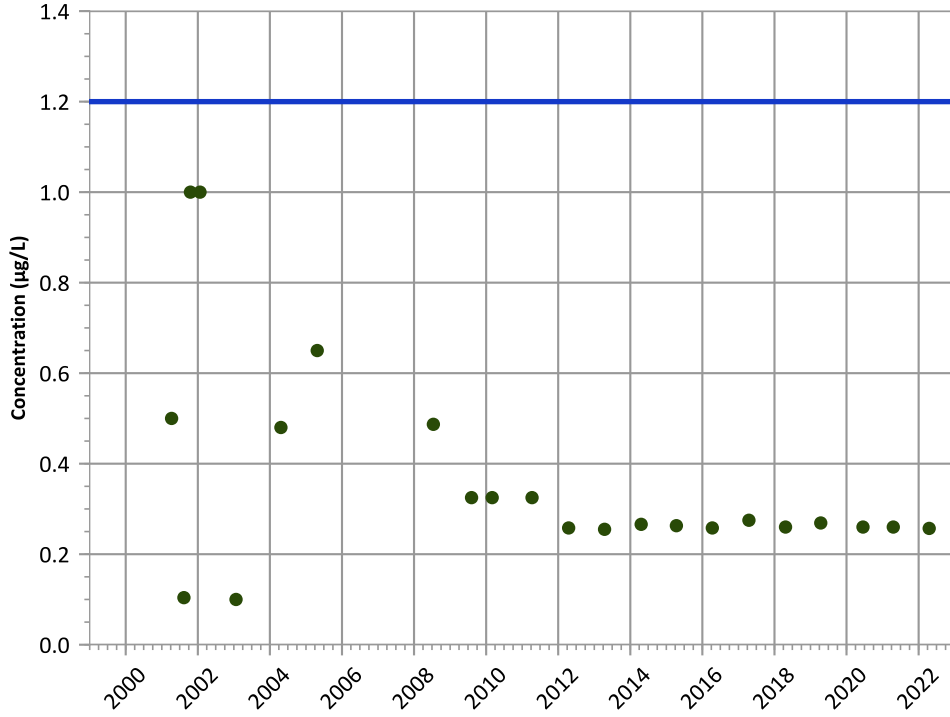
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

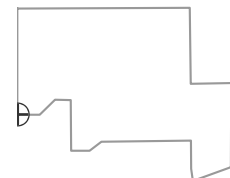
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

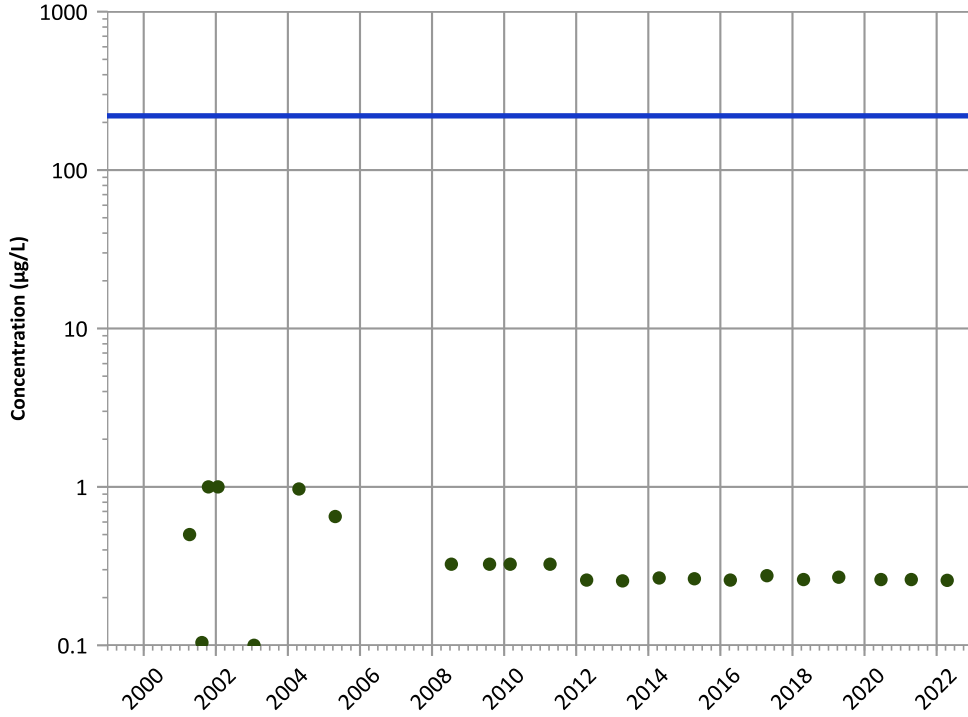
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

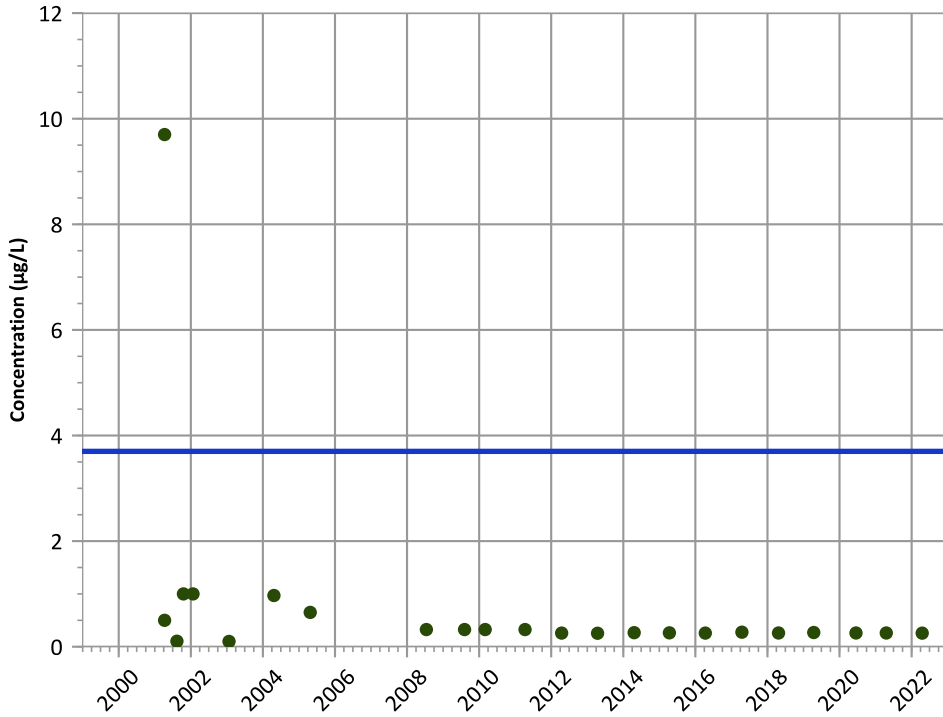
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

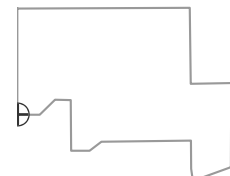
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

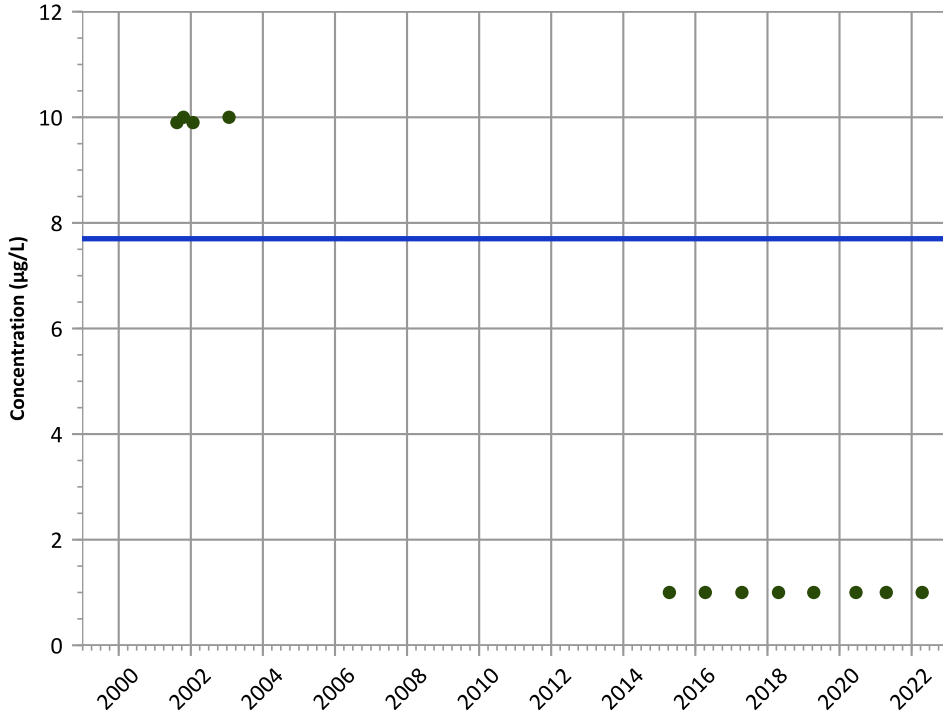
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

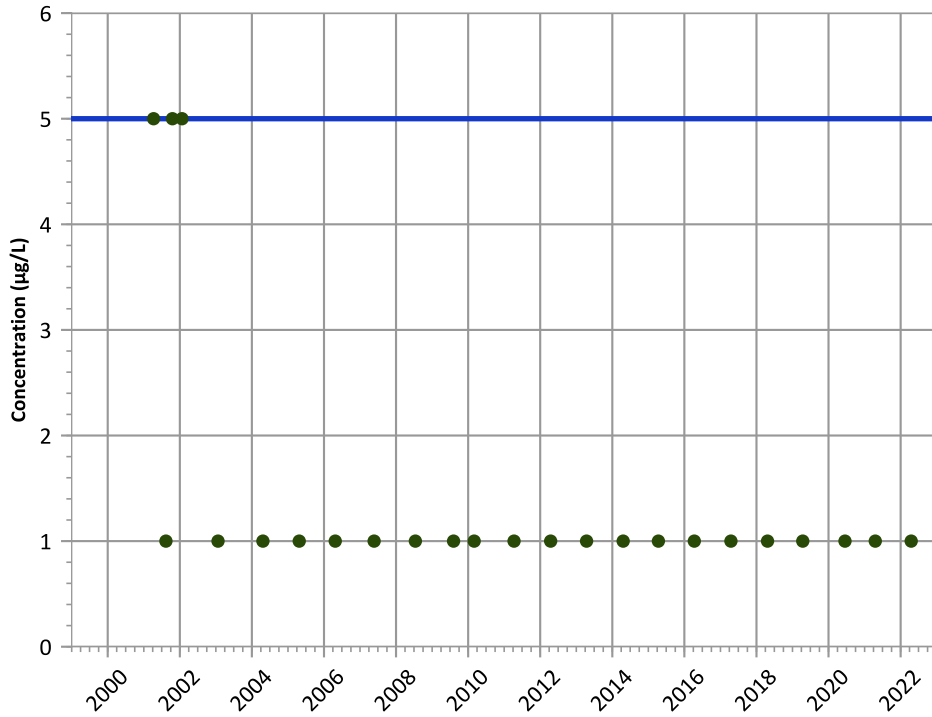
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

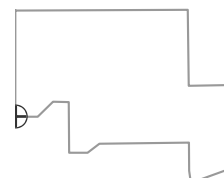
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

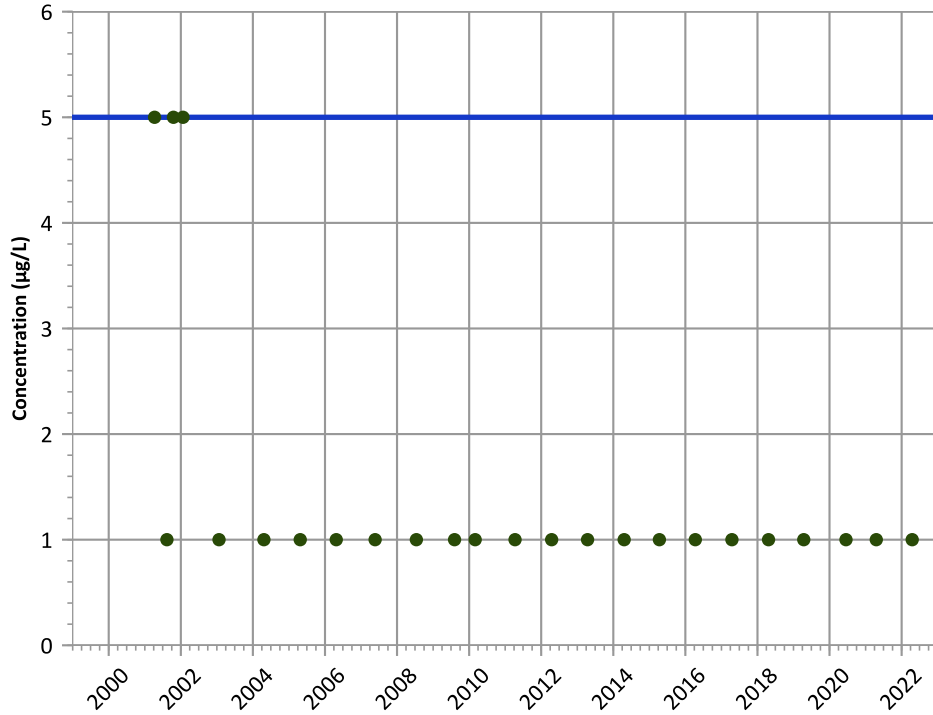
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

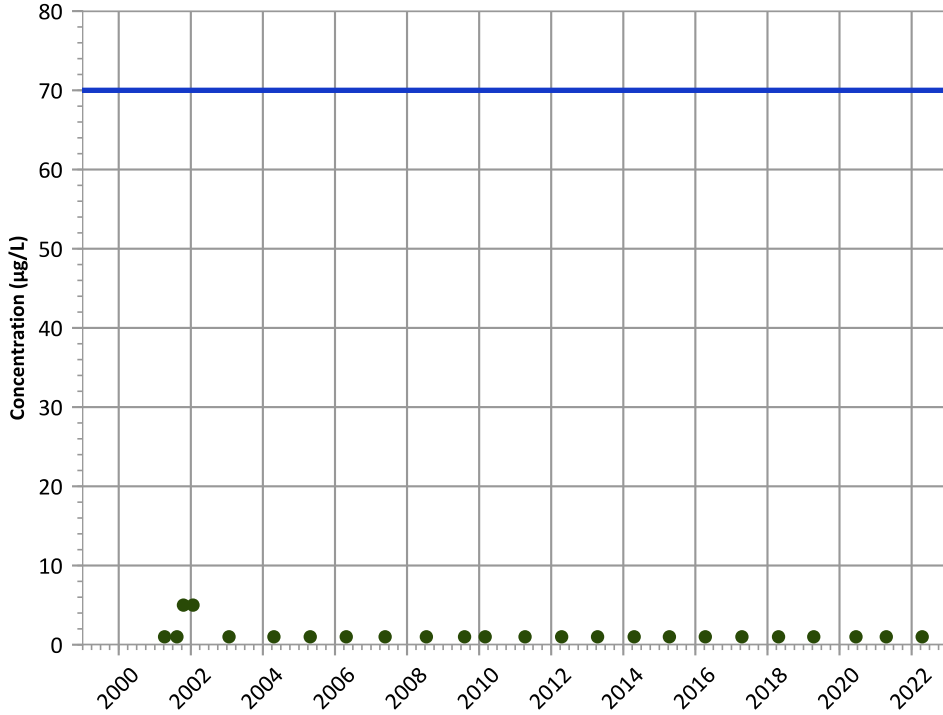
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

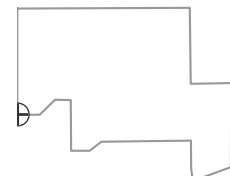
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

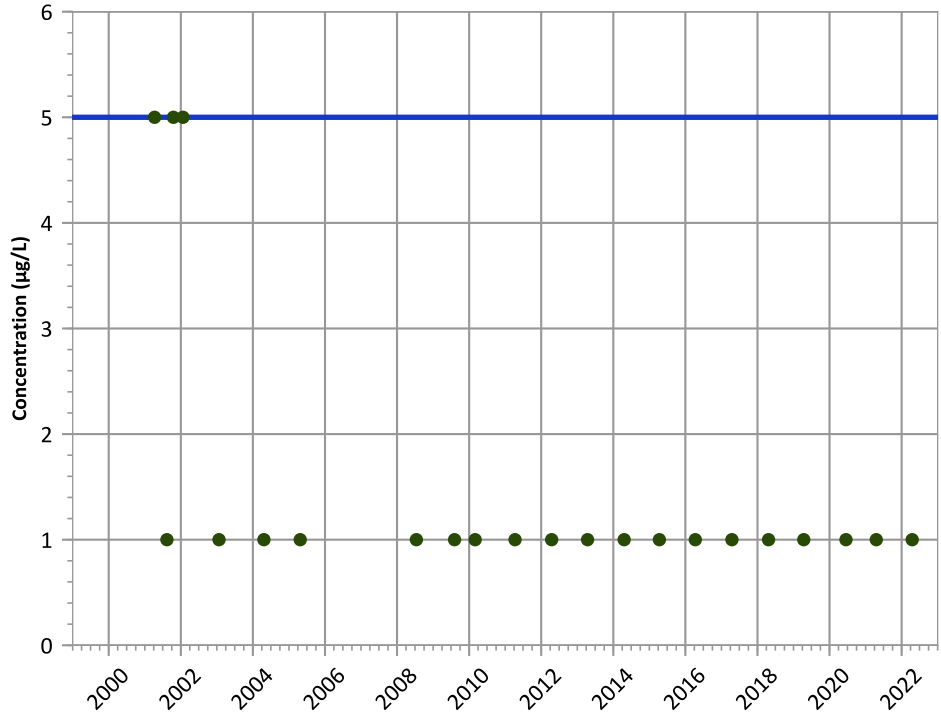
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

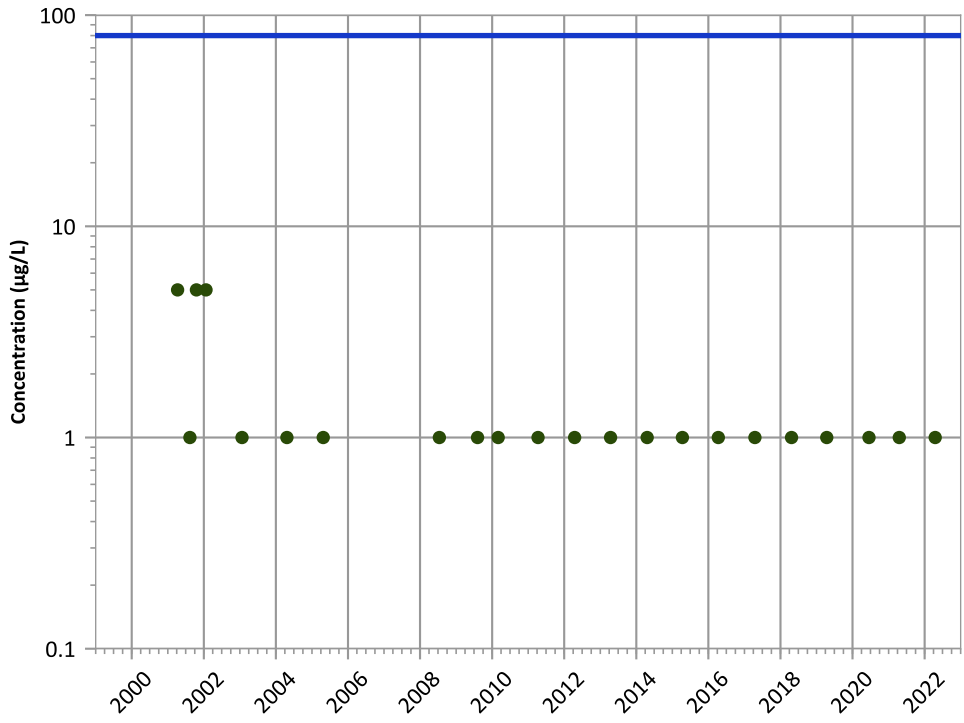
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

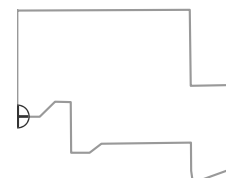
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

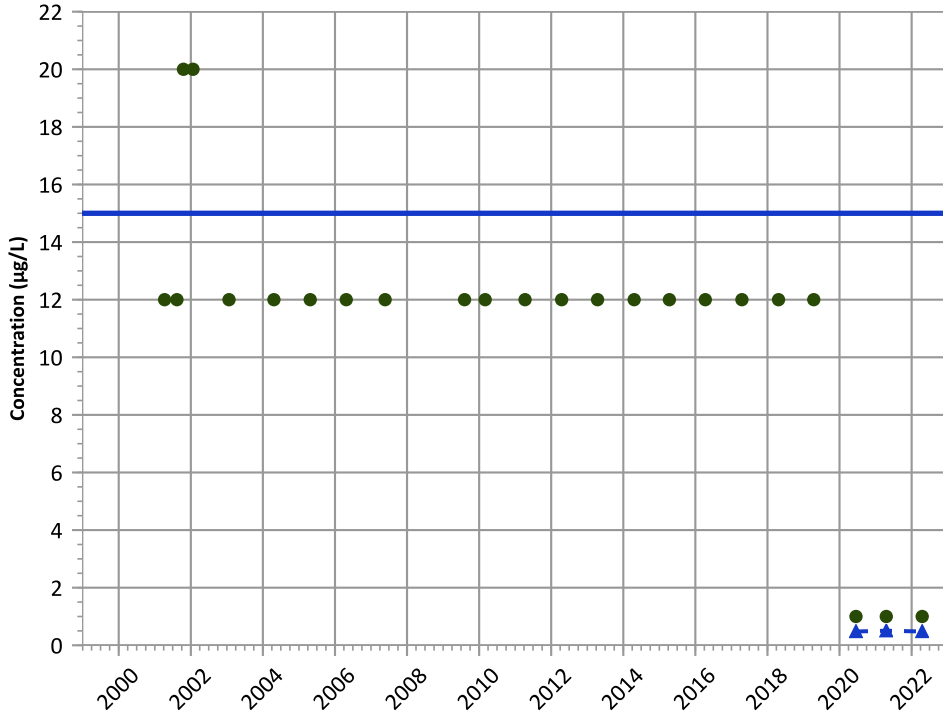
**Well Location**





PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

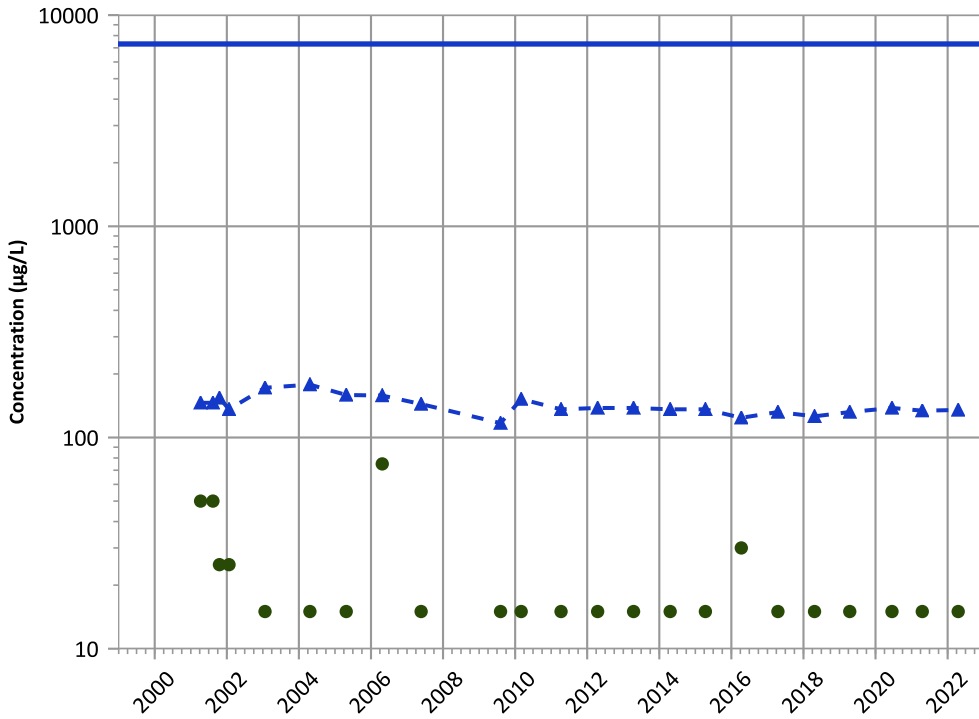
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

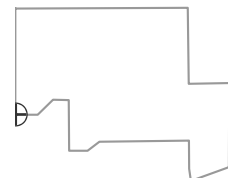
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

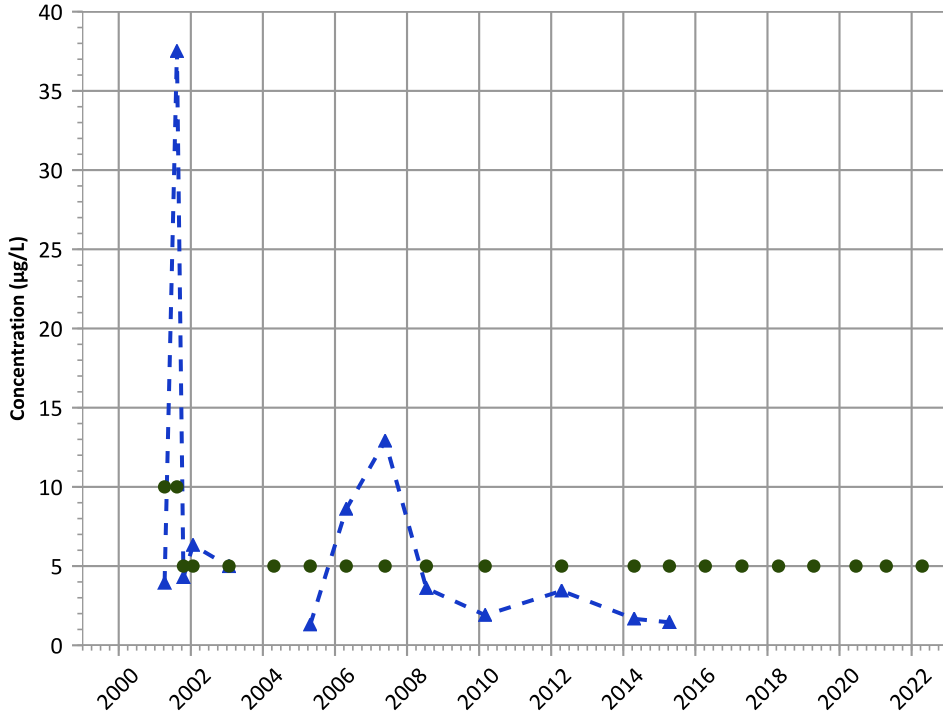
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

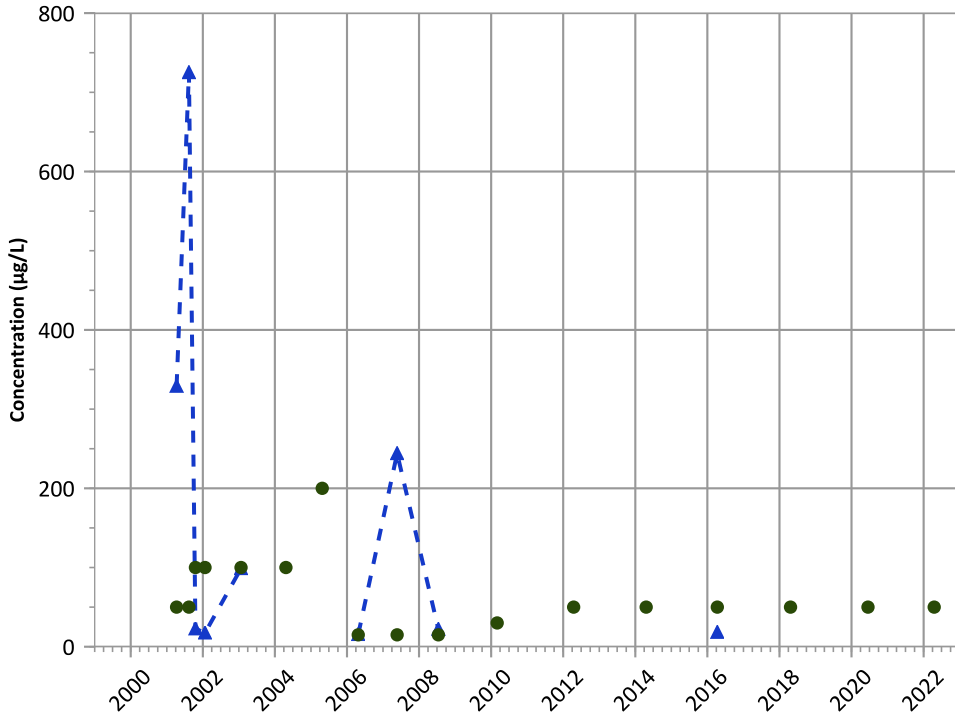
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

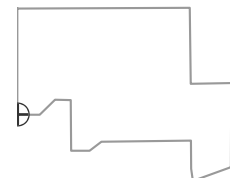
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

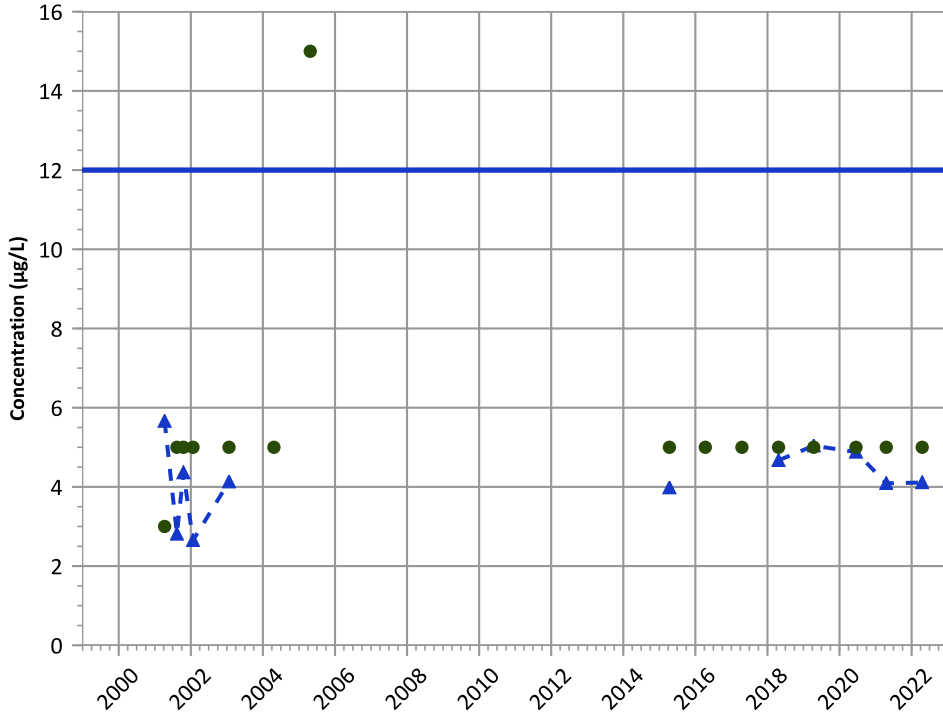
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

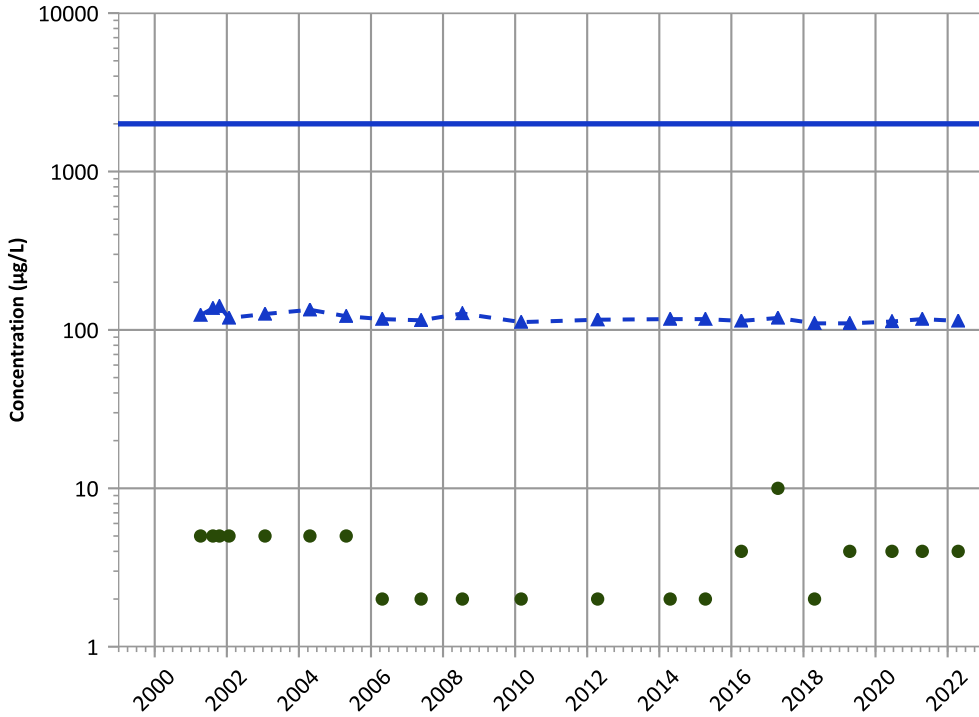
MAROS Mann-Kendall Method

All Data: Stable  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Probably Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

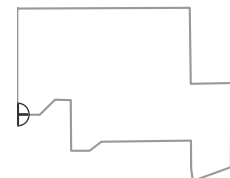
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

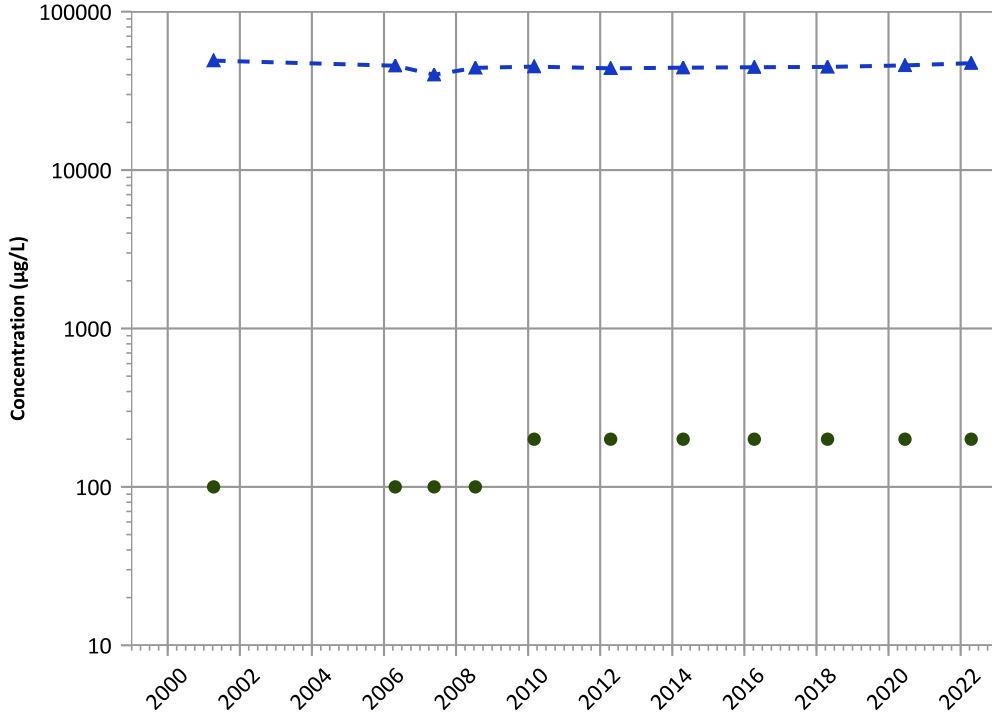
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

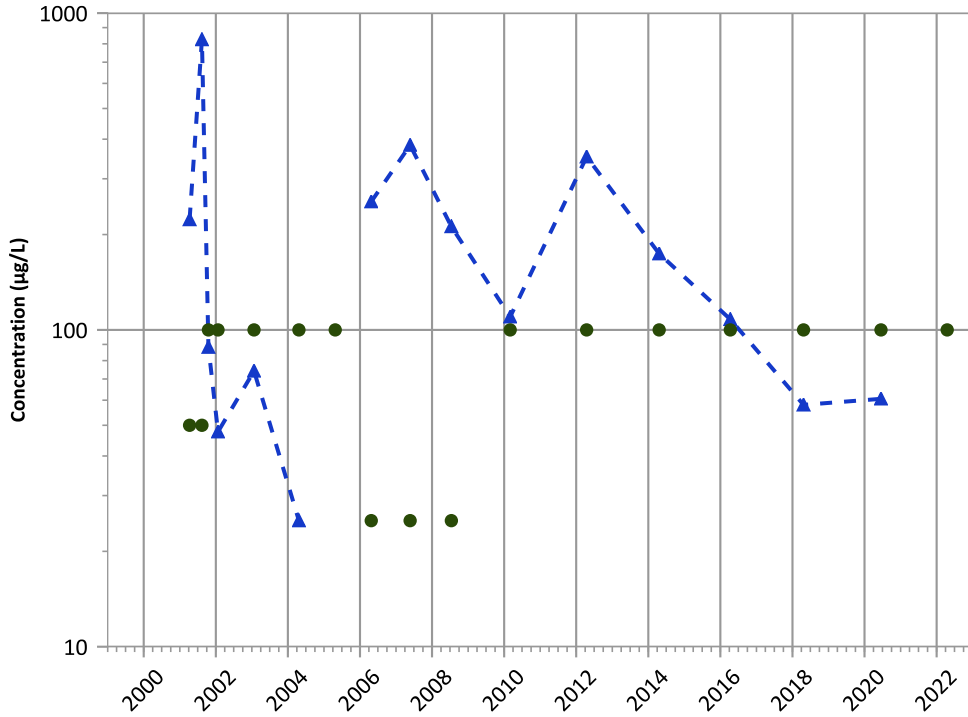
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Iron Trend



Concentration Trend

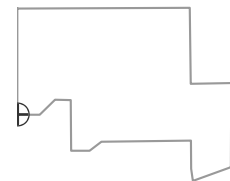
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

Well Location

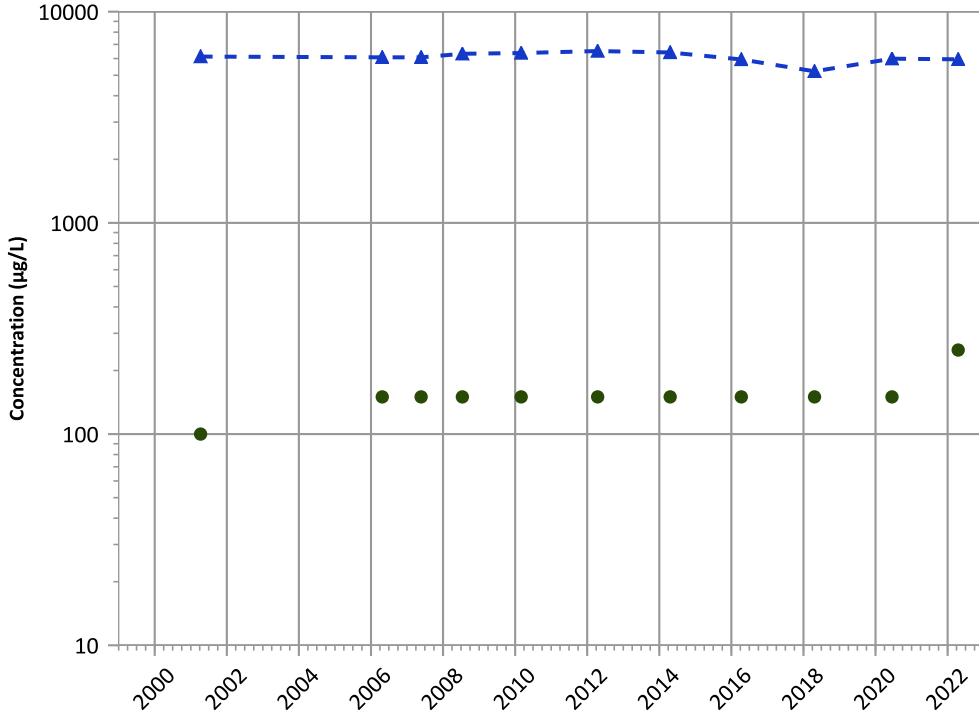


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1060 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

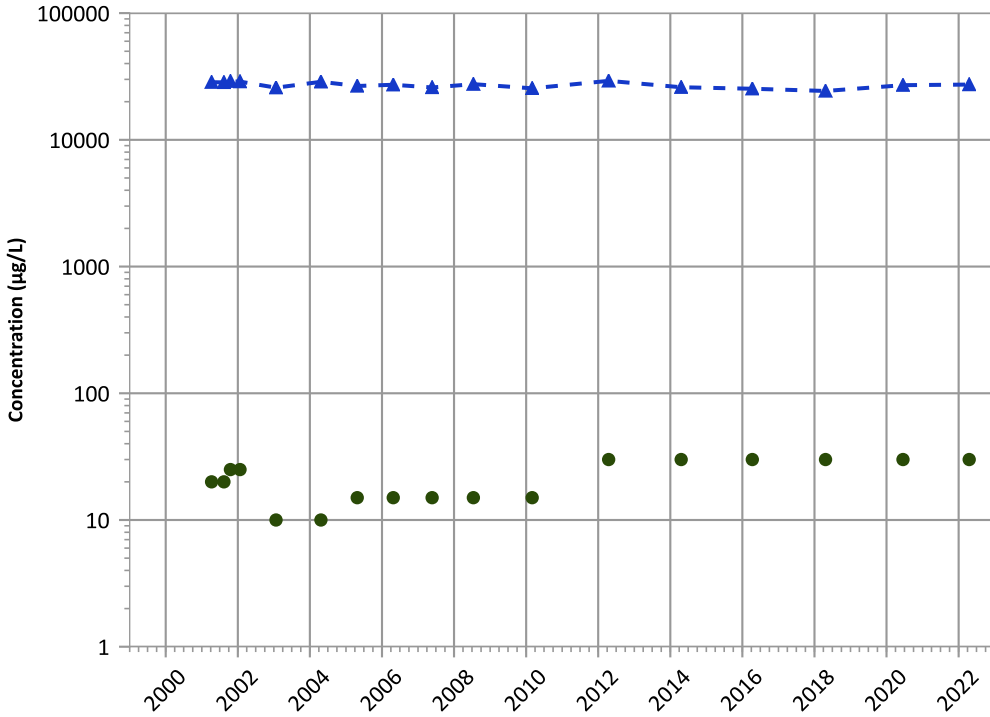
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Decreasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

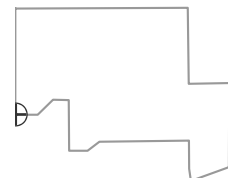
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

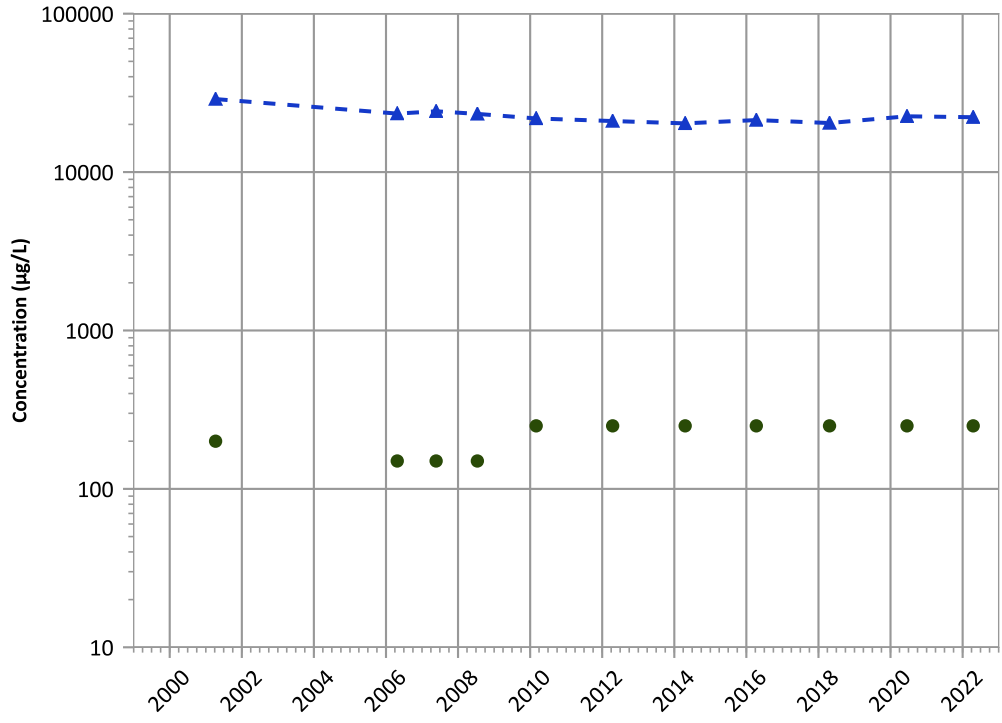
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/10/2001 to 04/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1060 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend

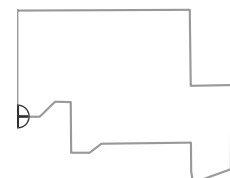


**Concentration Trend**  
 MAROS Mann-Kendall Method  
 All Data: Decreasing  
 2020 - 2022 Data: No Trend  
 MAROS Linear Regression Method  
 All Data: Decreasing  
 2020 - 2022 Data: No Trend

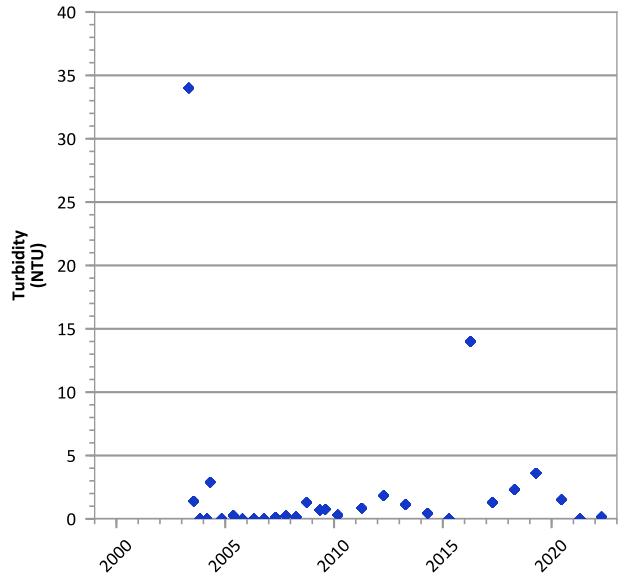
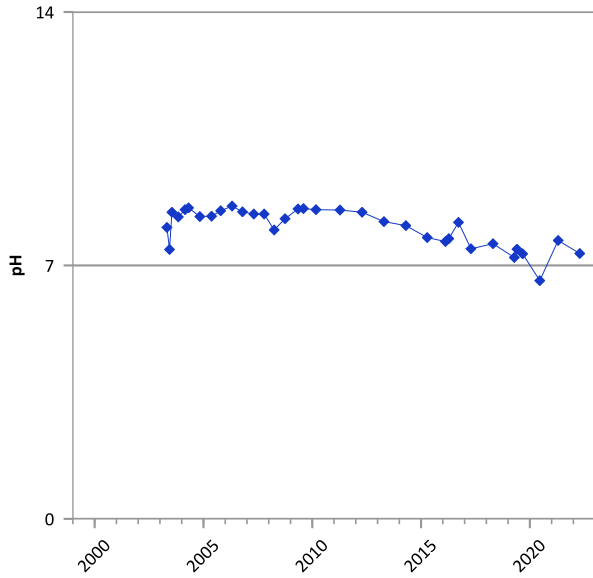
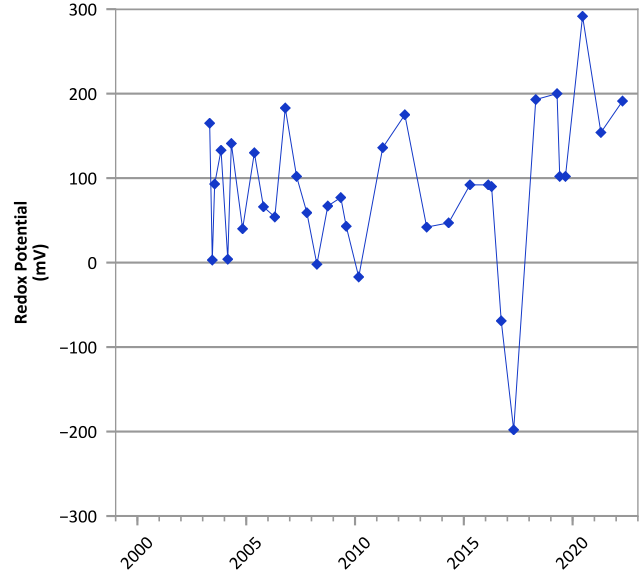
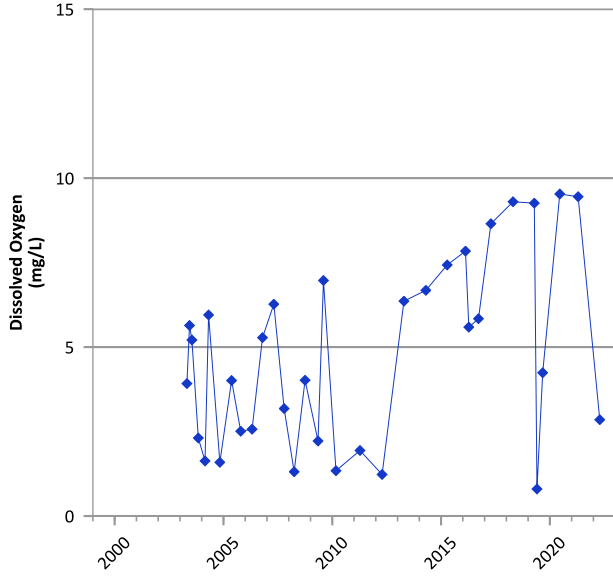
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/10/2001 to 04/18/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

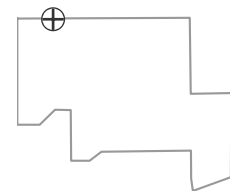


**PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



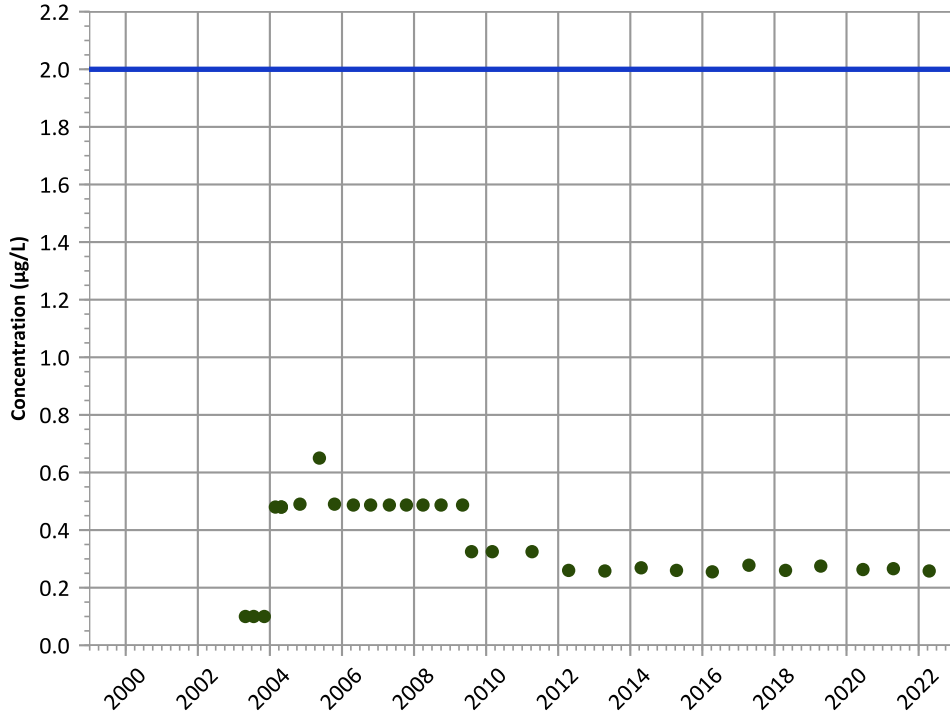
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/28/2003 to 04/18/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

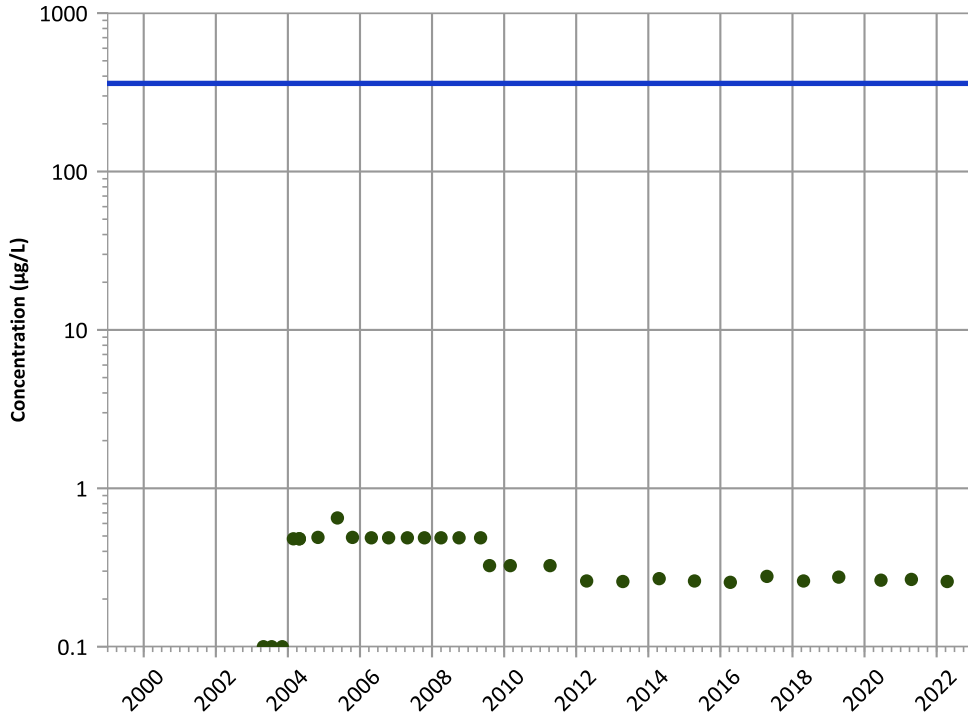
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

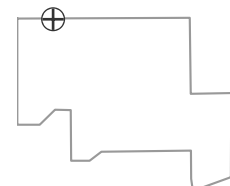
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

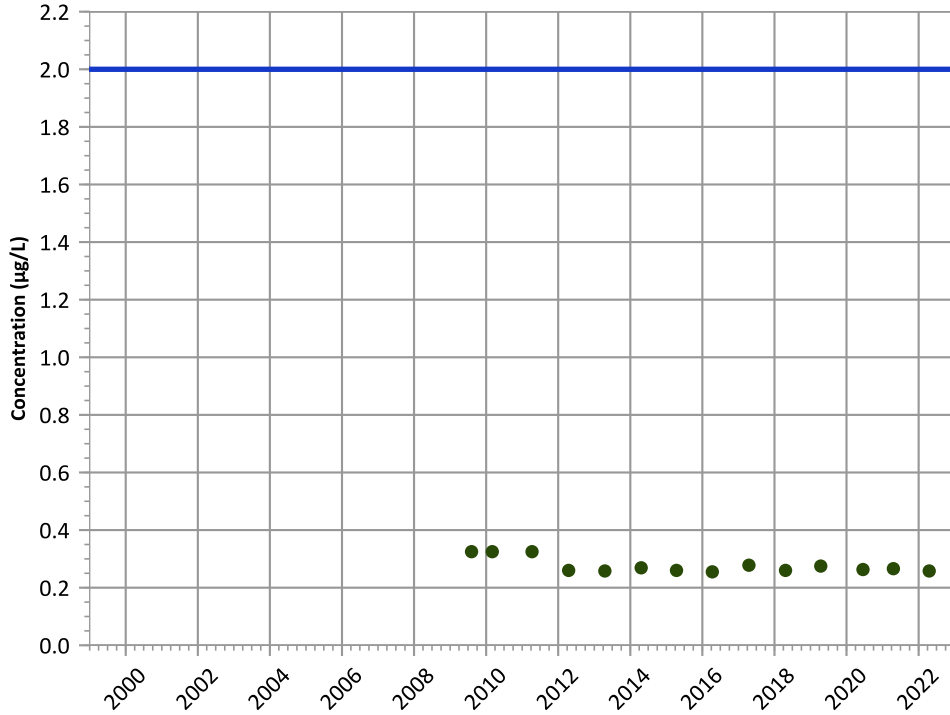
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

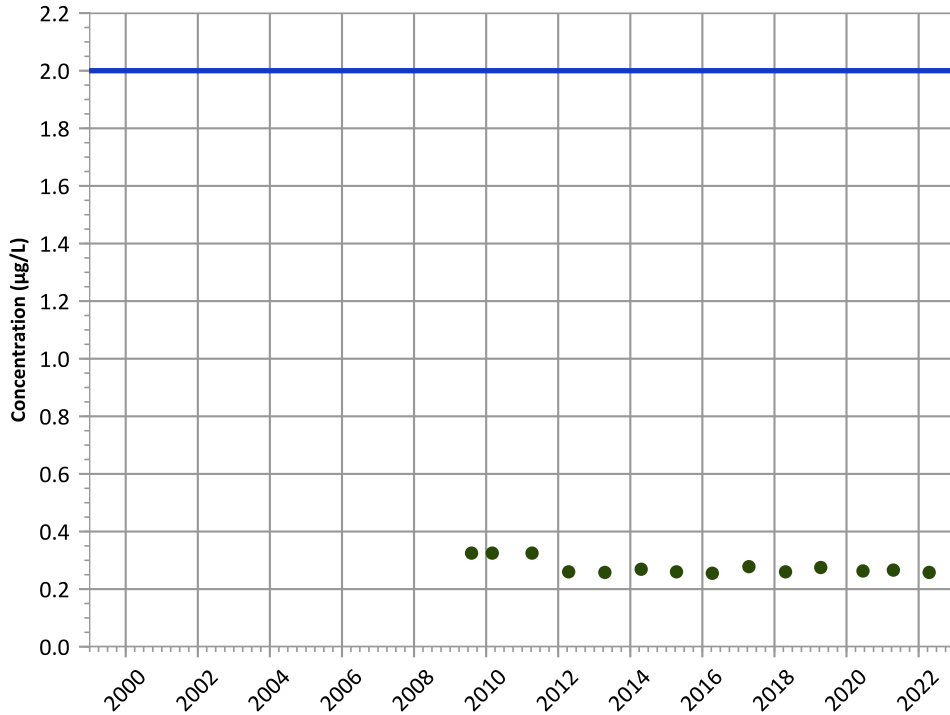
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

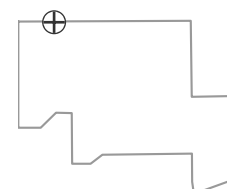
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

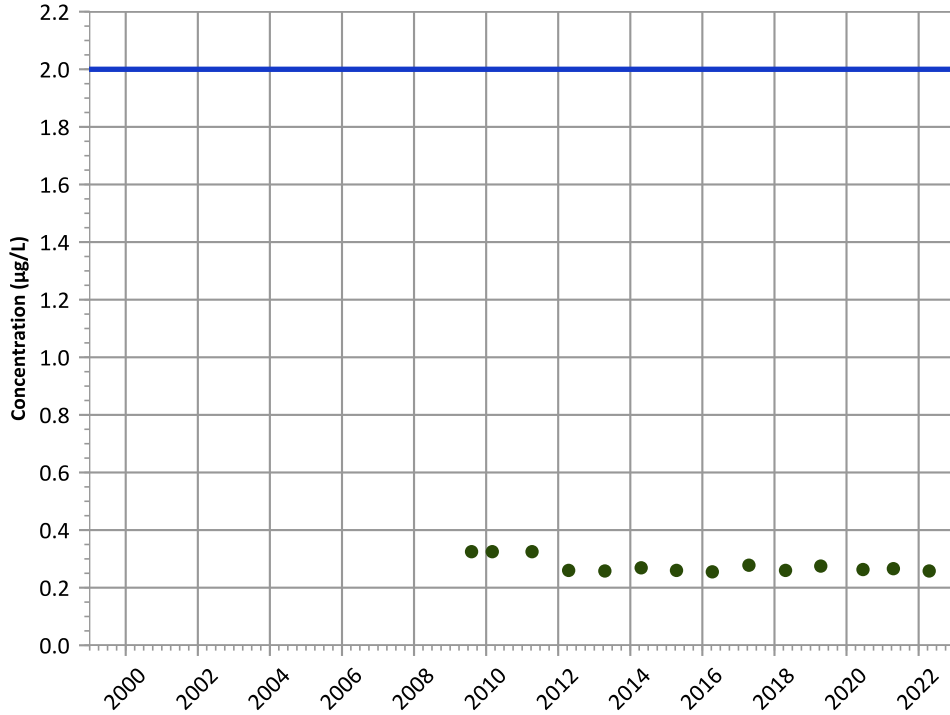
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

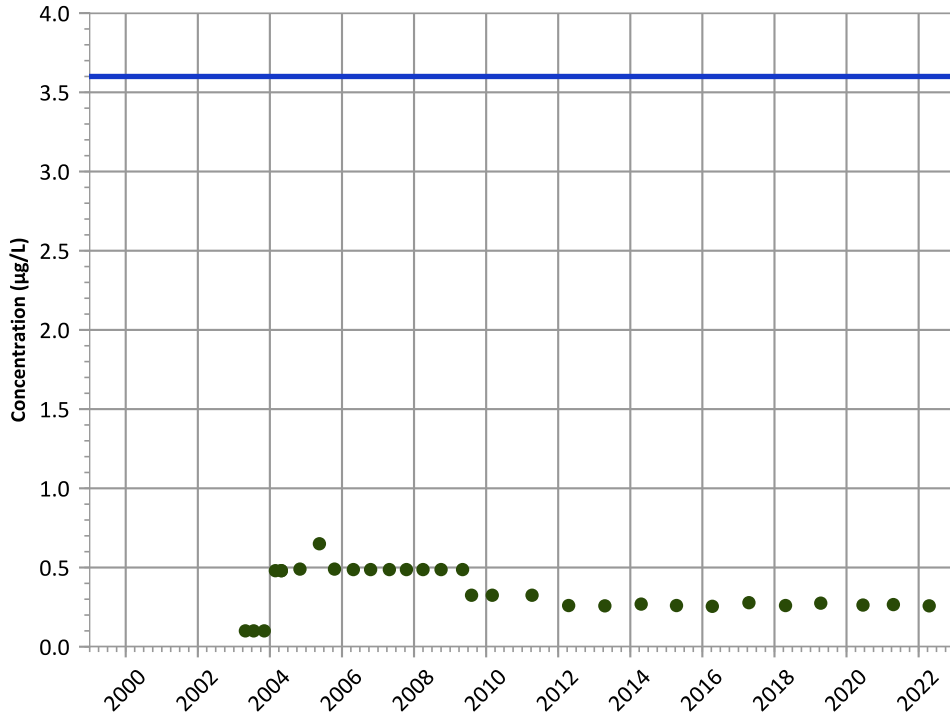
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

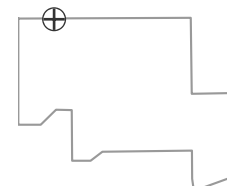
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

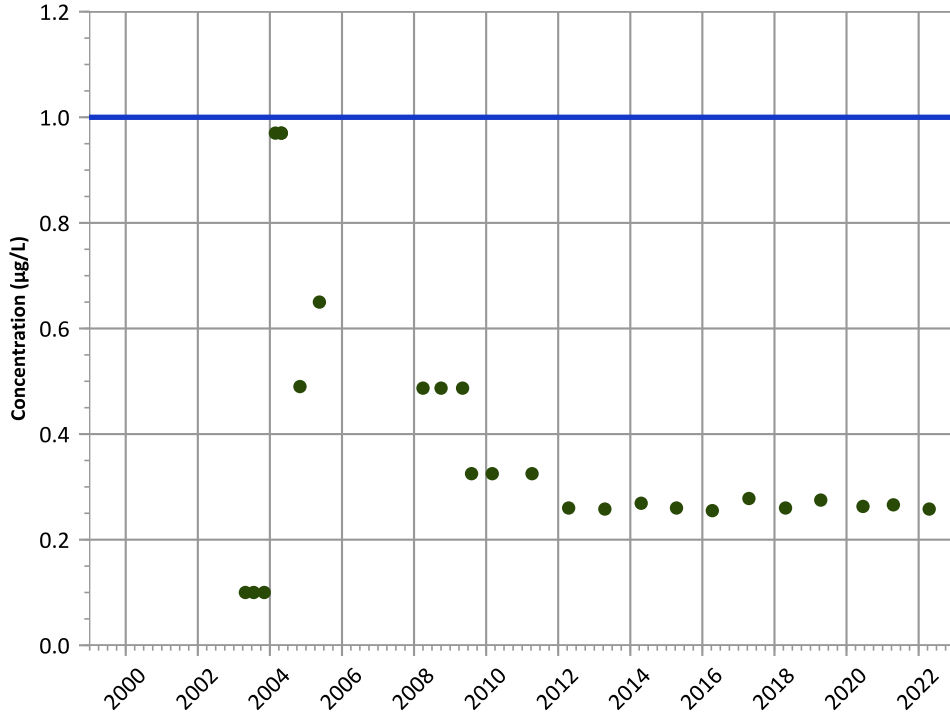
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

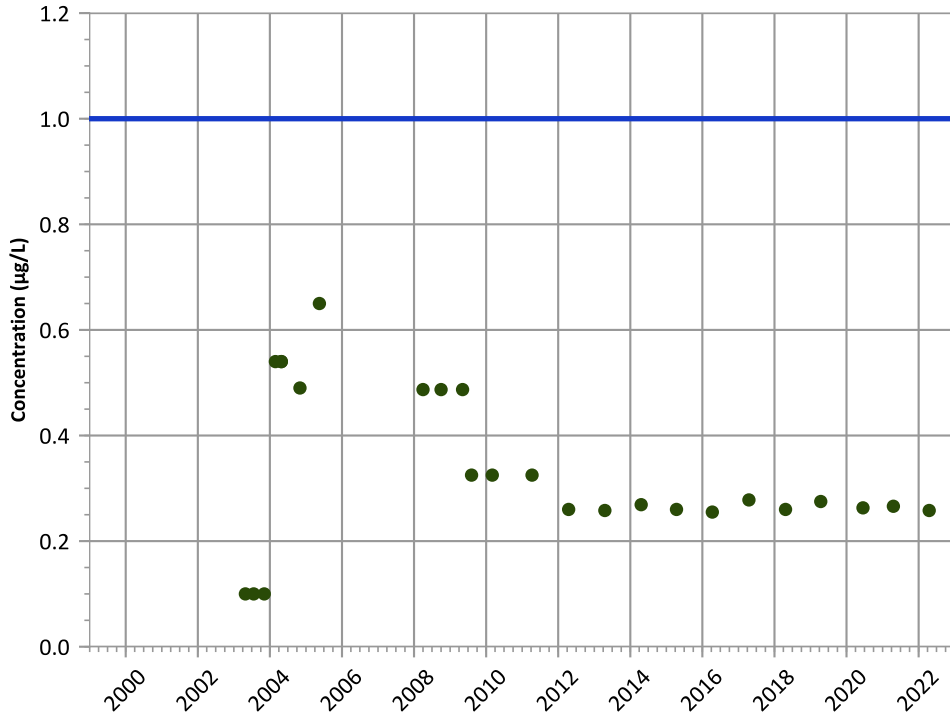
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

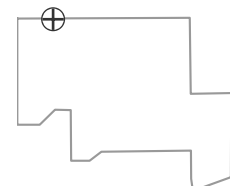
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

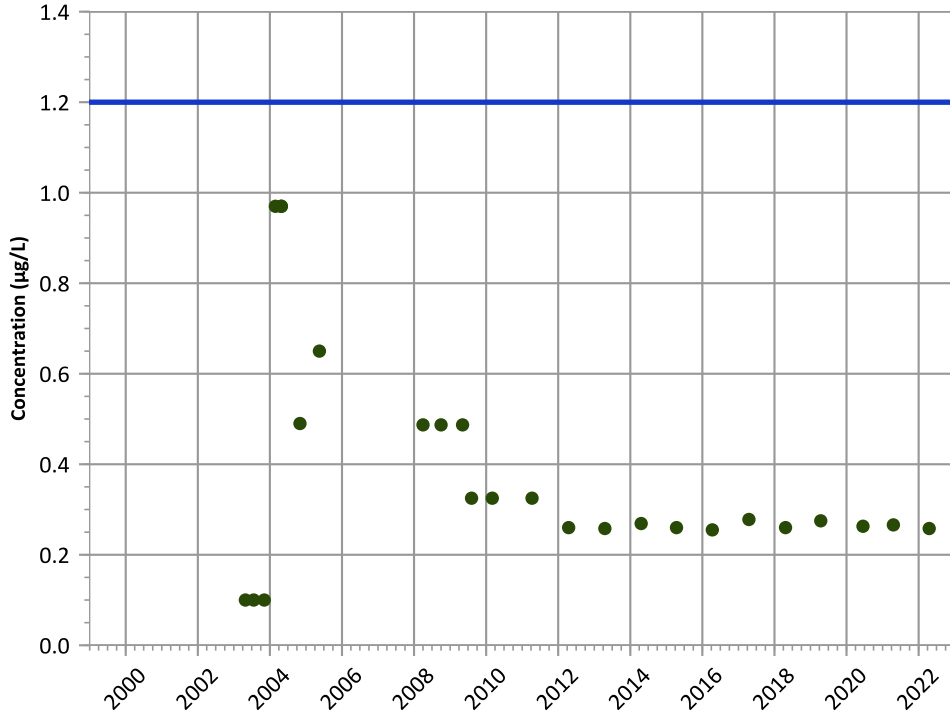
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

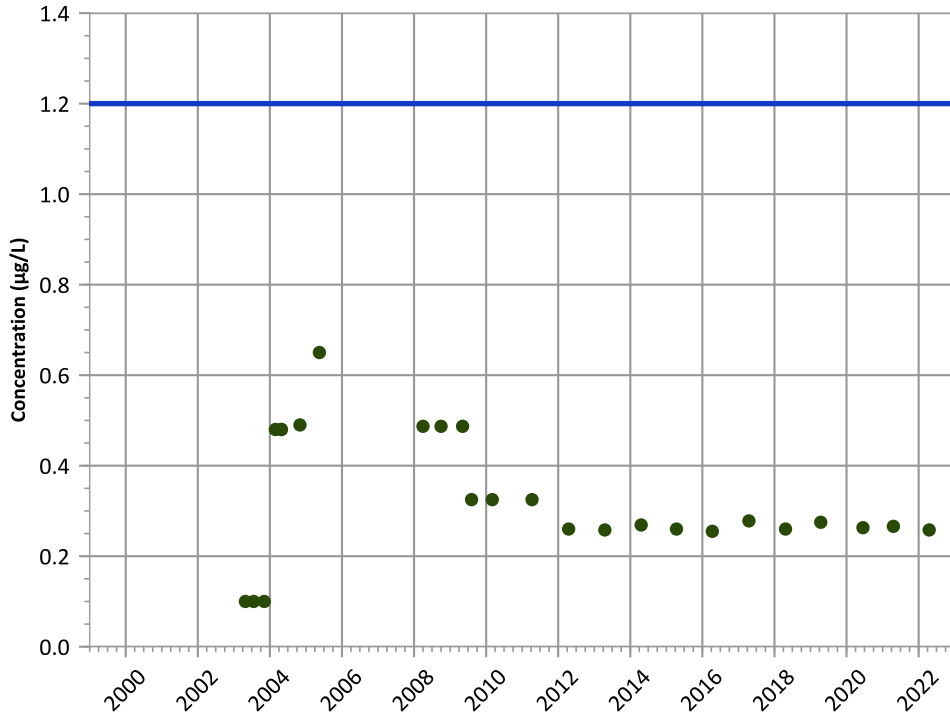
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

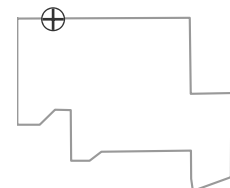
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

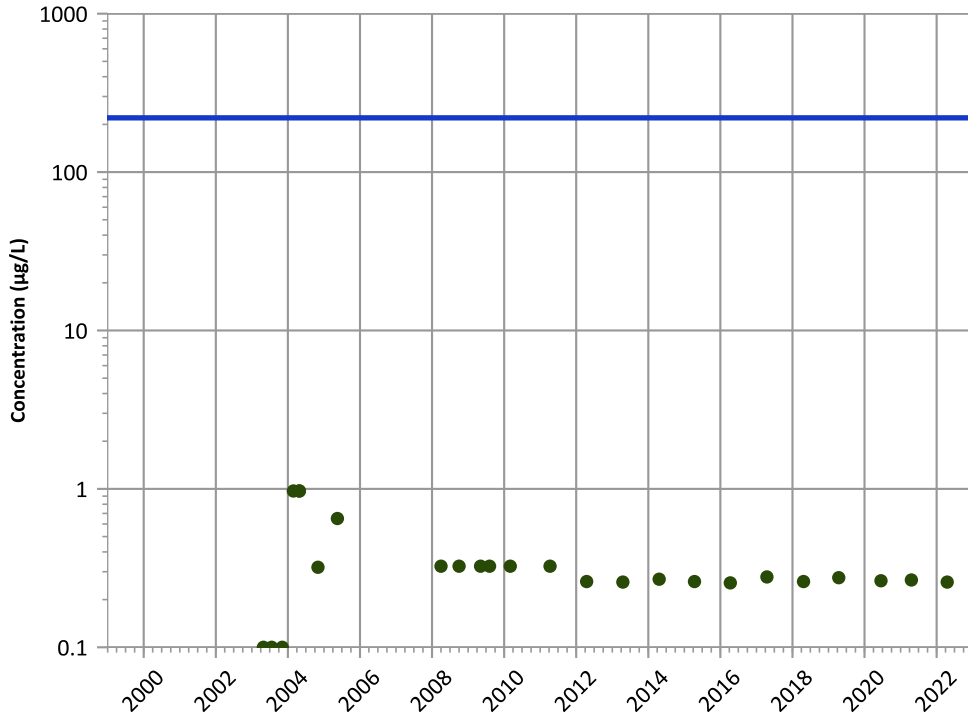
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

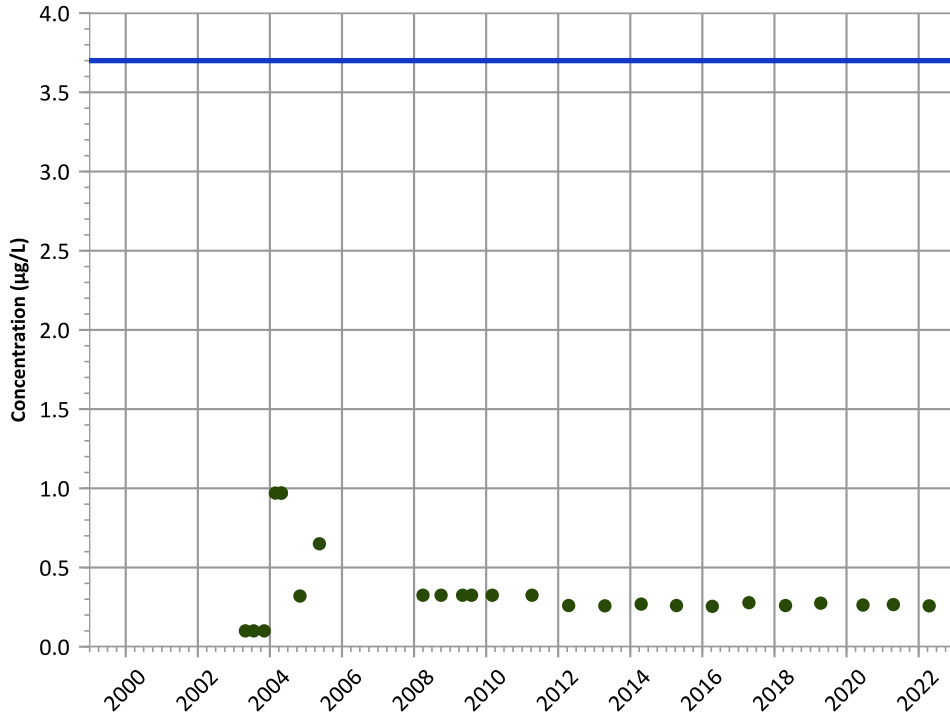
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

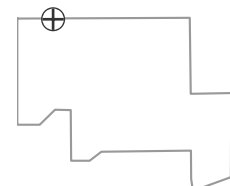
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

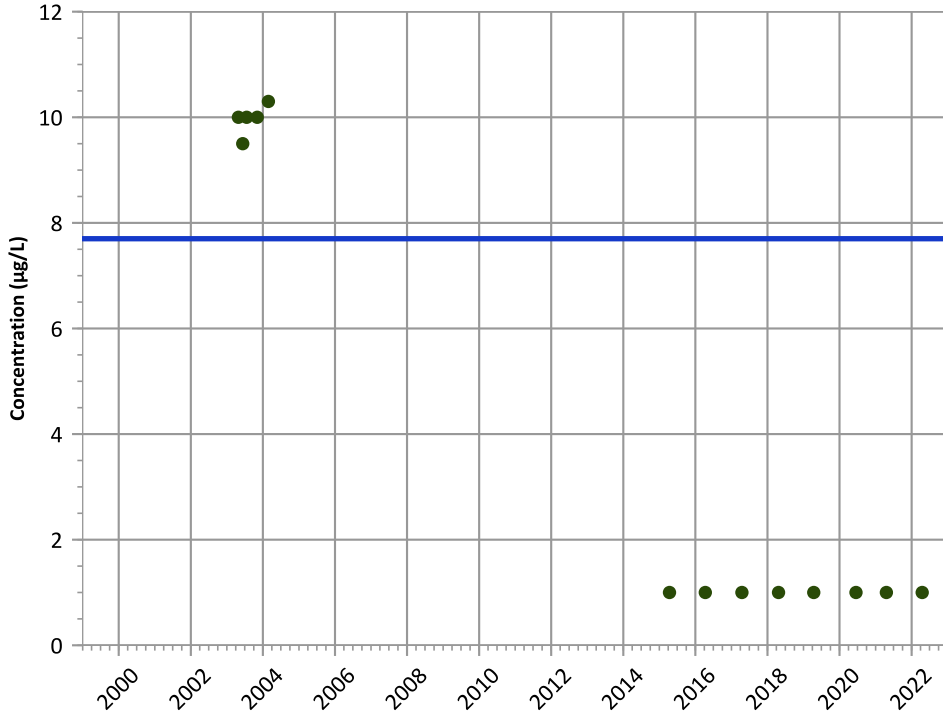
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

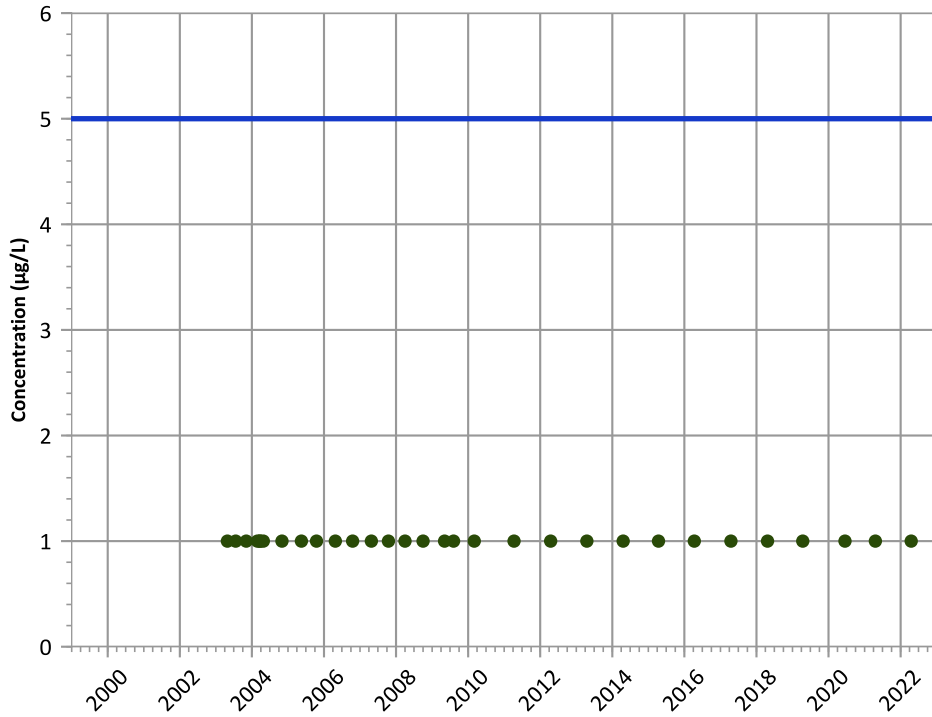
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

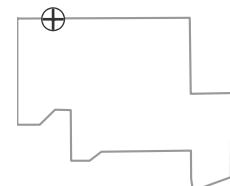
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

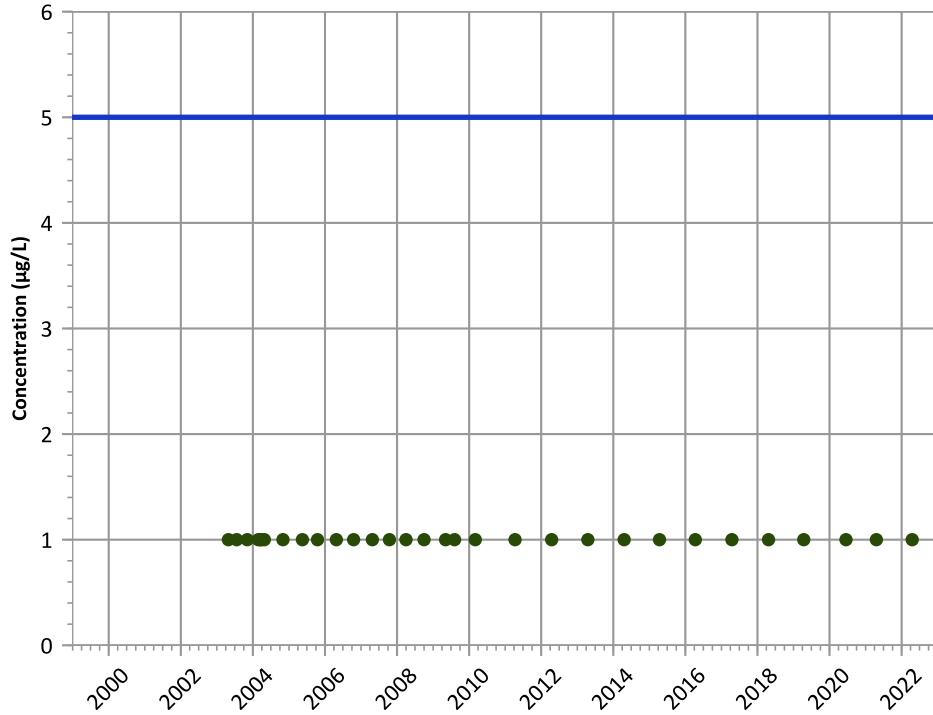
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

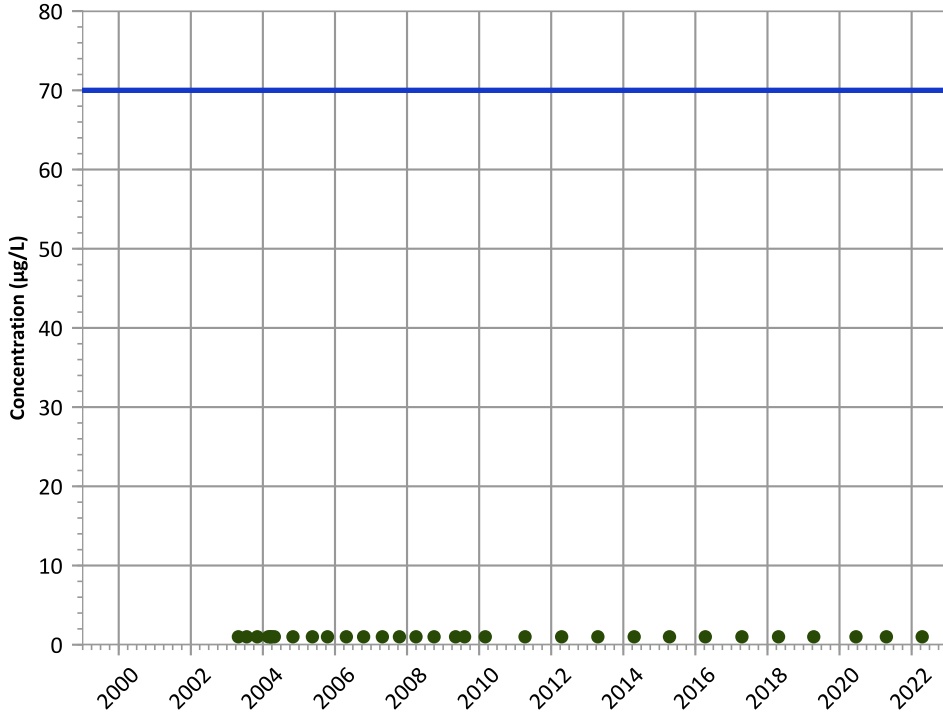
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

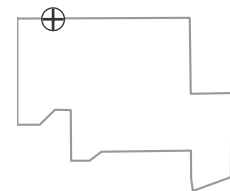
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

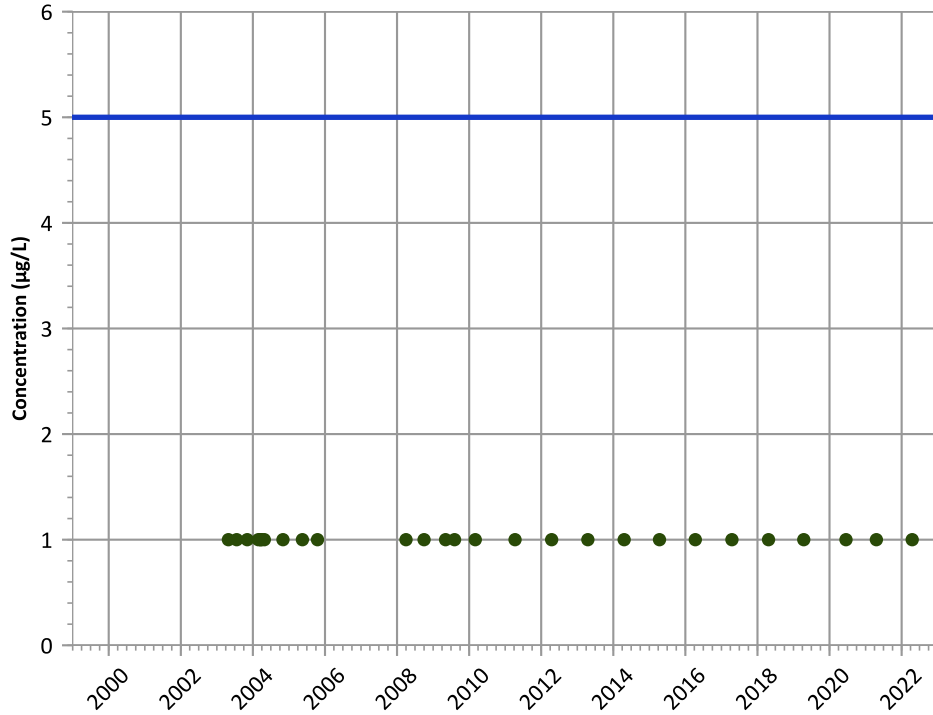
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

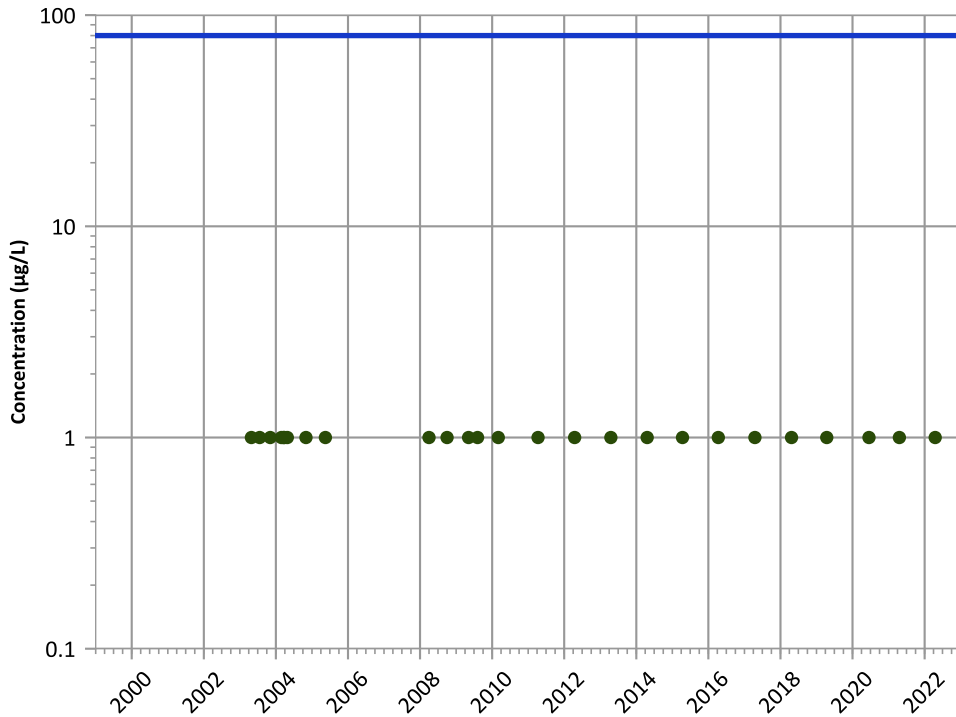
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

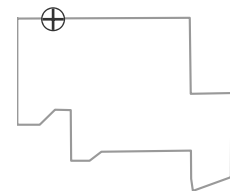
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

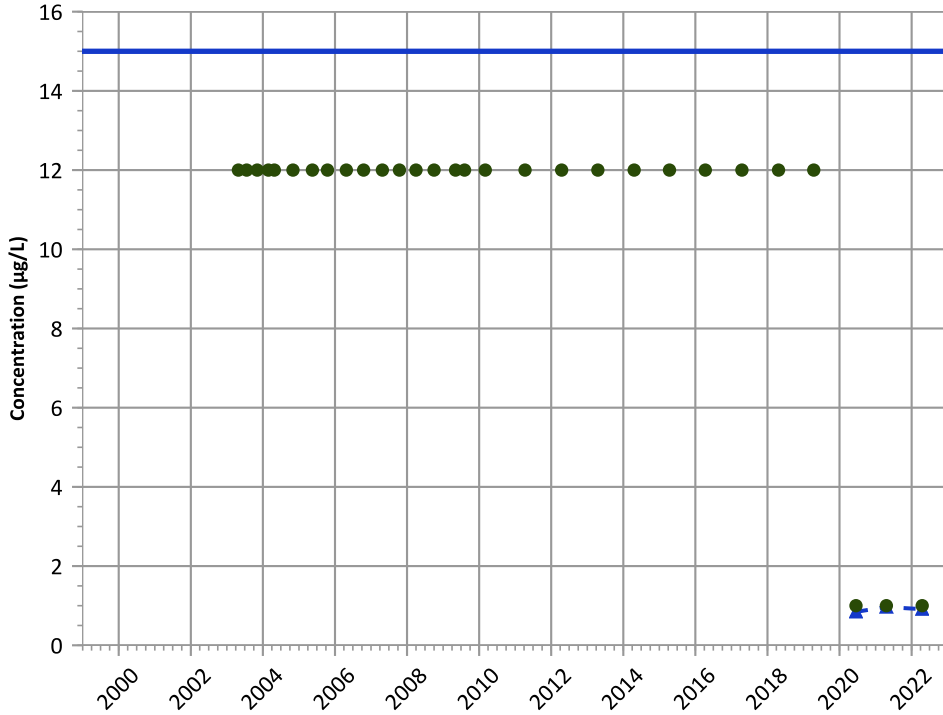
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

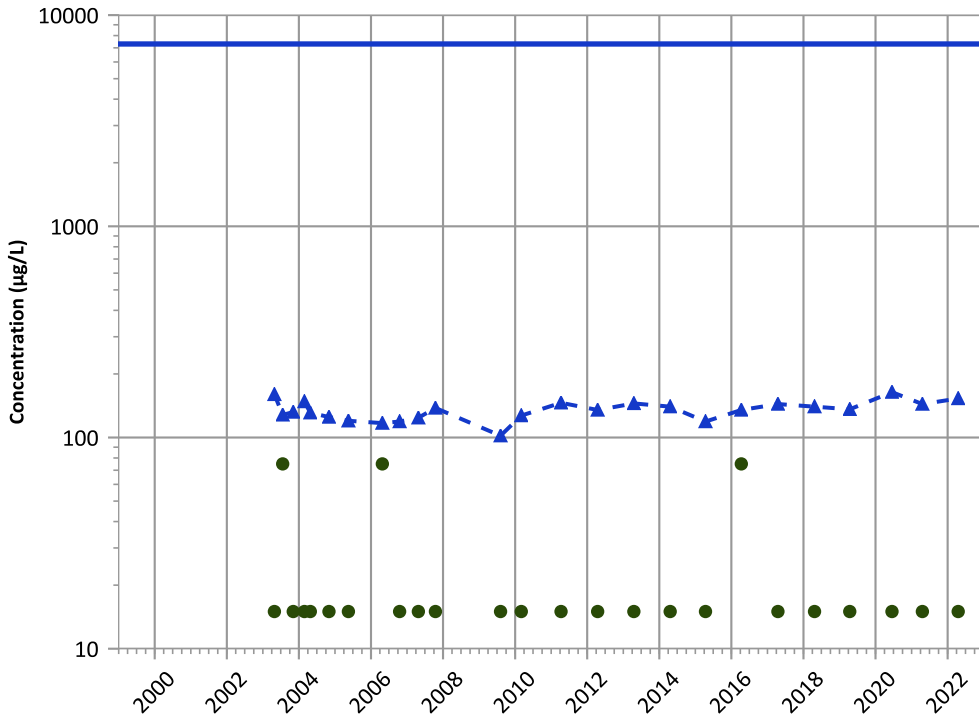
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Probably Increasing  
2020 - 2022 Data:  
No Trend

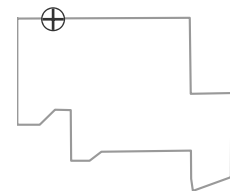
**MAROS Linear Regression Method**

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

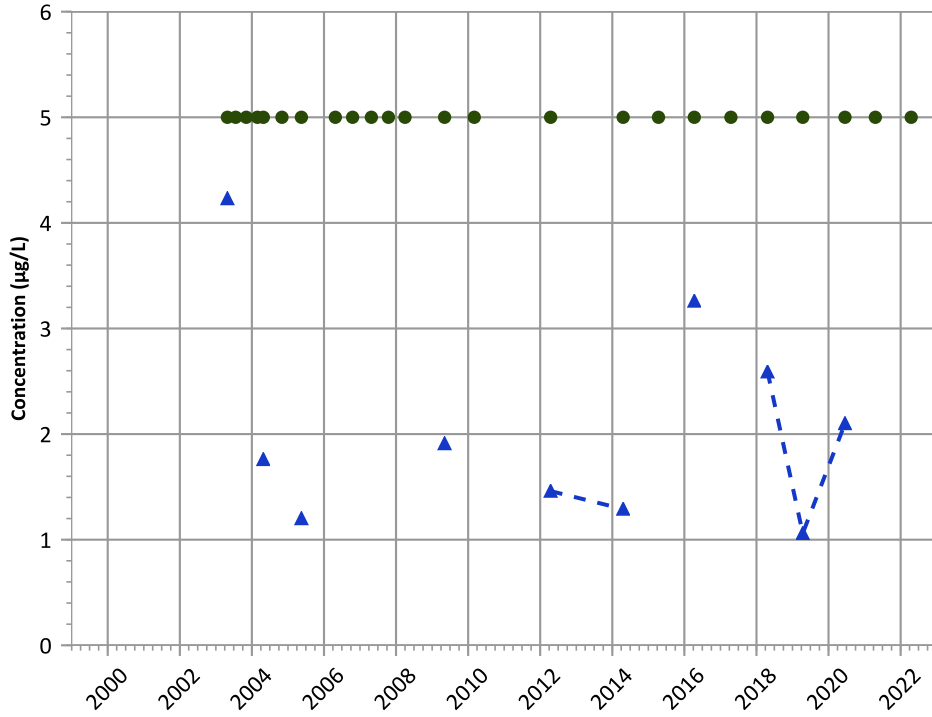
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

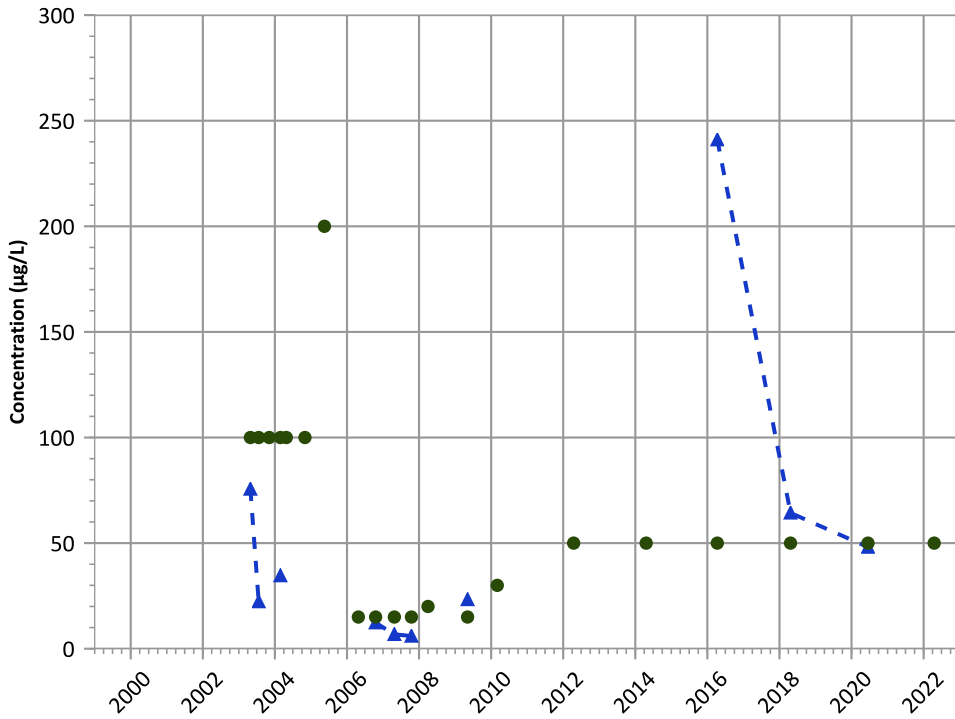
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

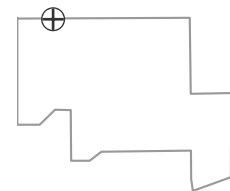
MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

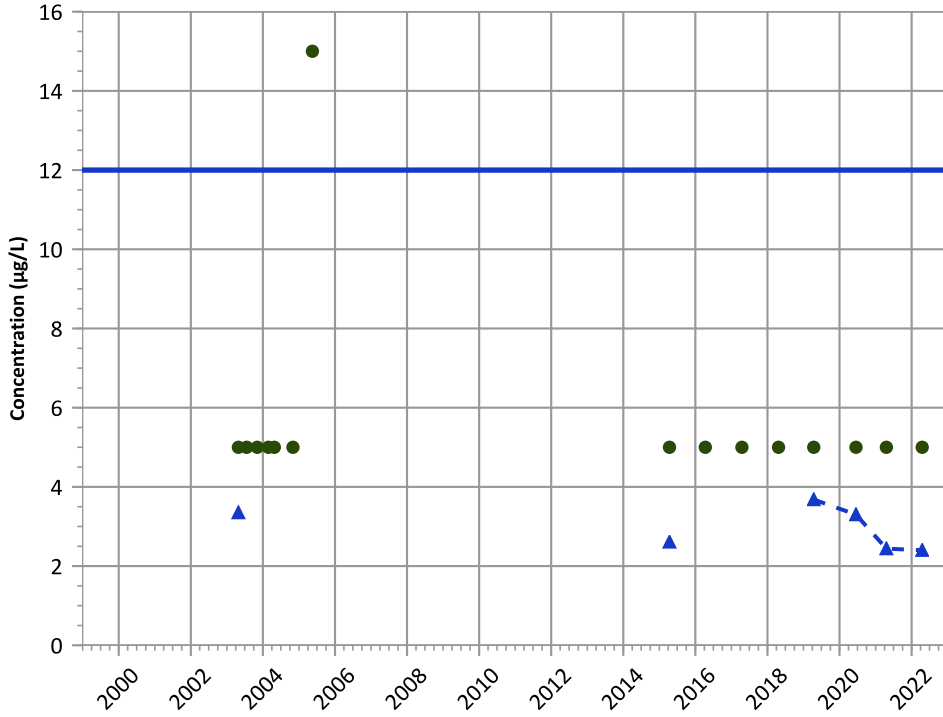
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

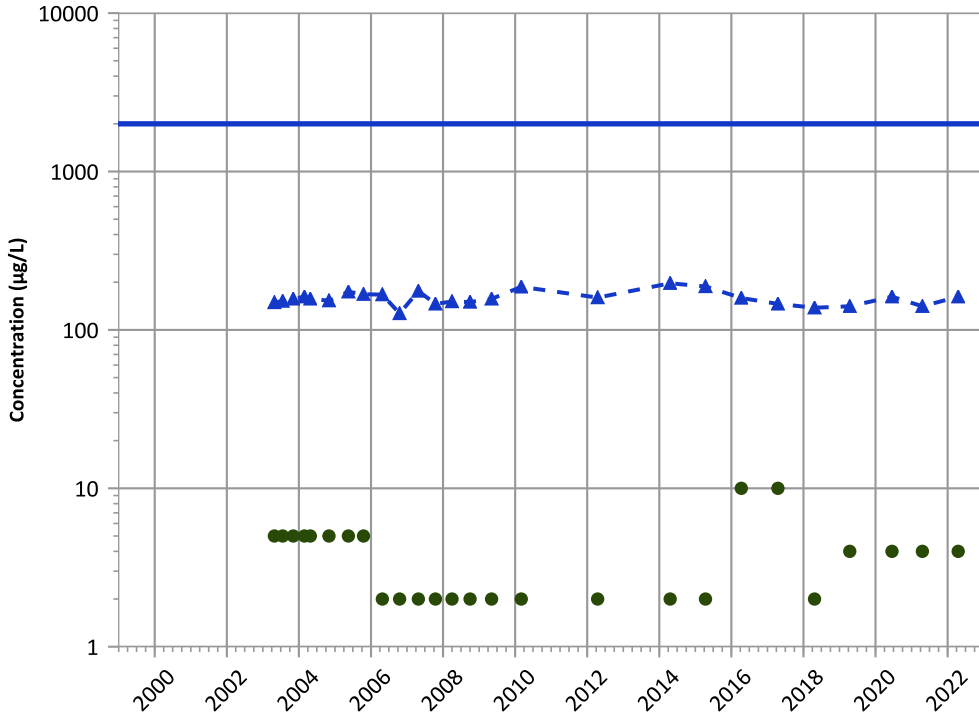
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Probably Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

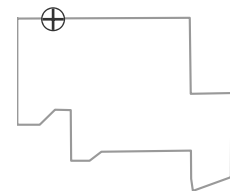
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

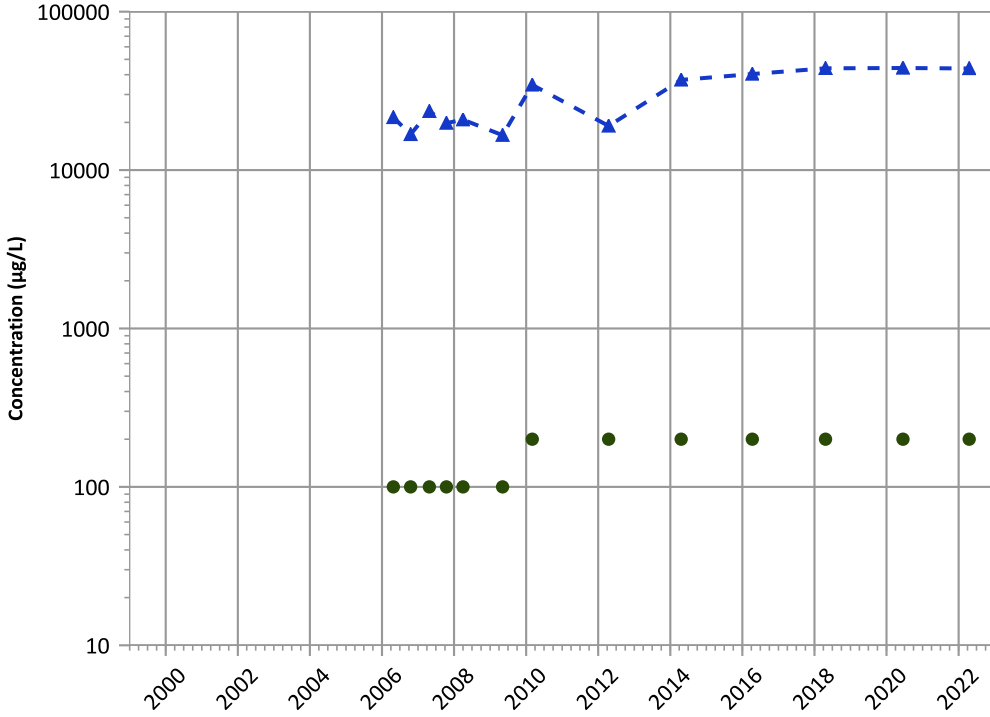
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

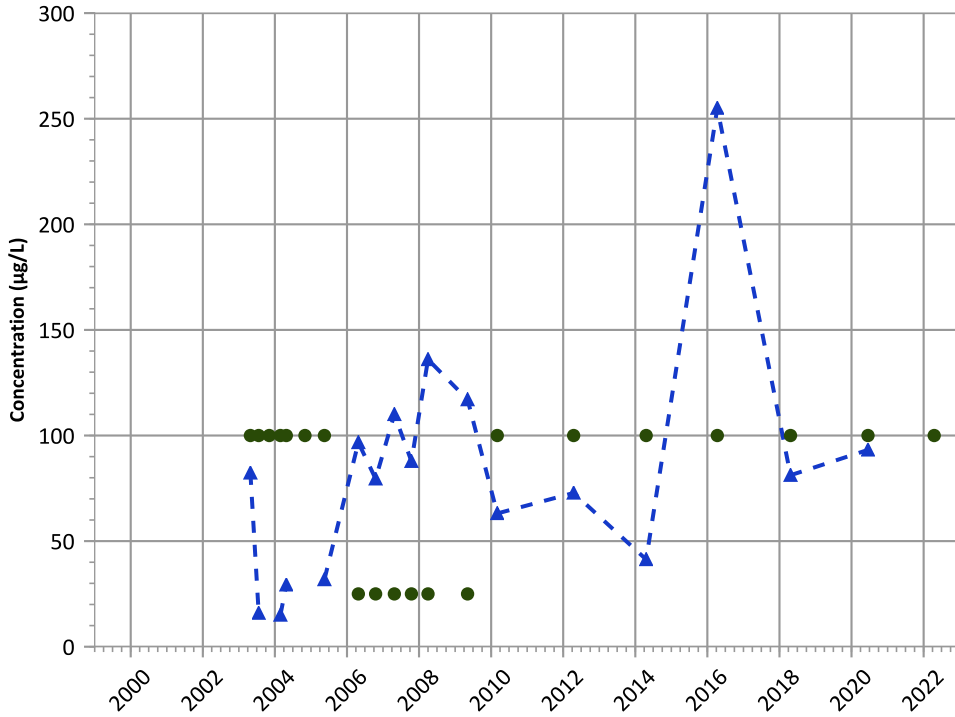
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

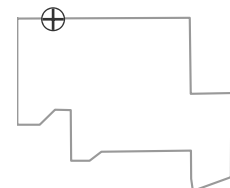
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

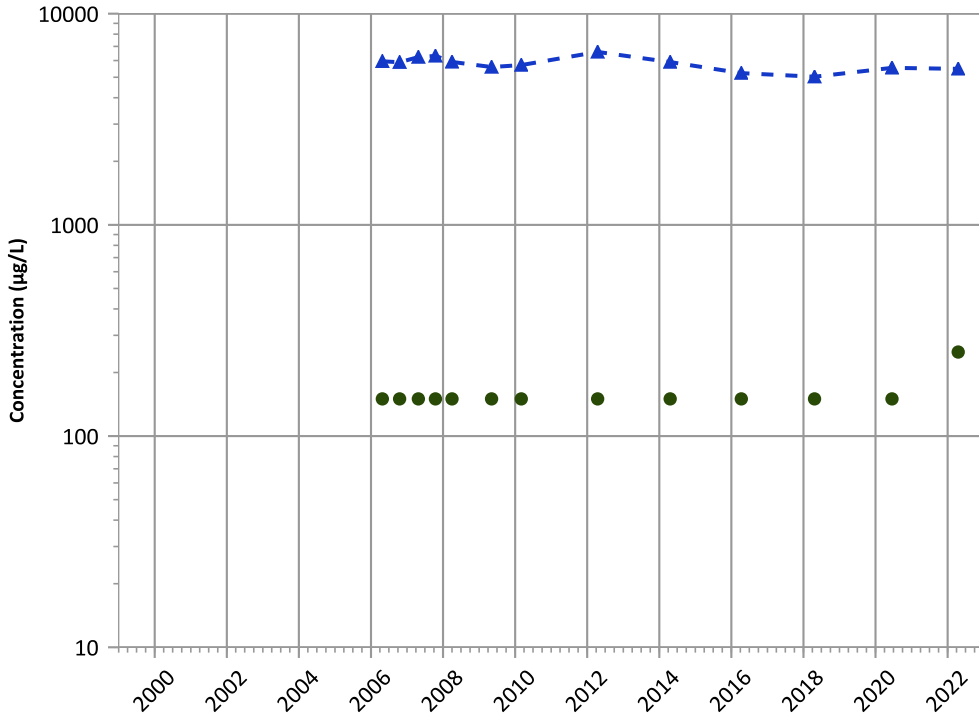
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

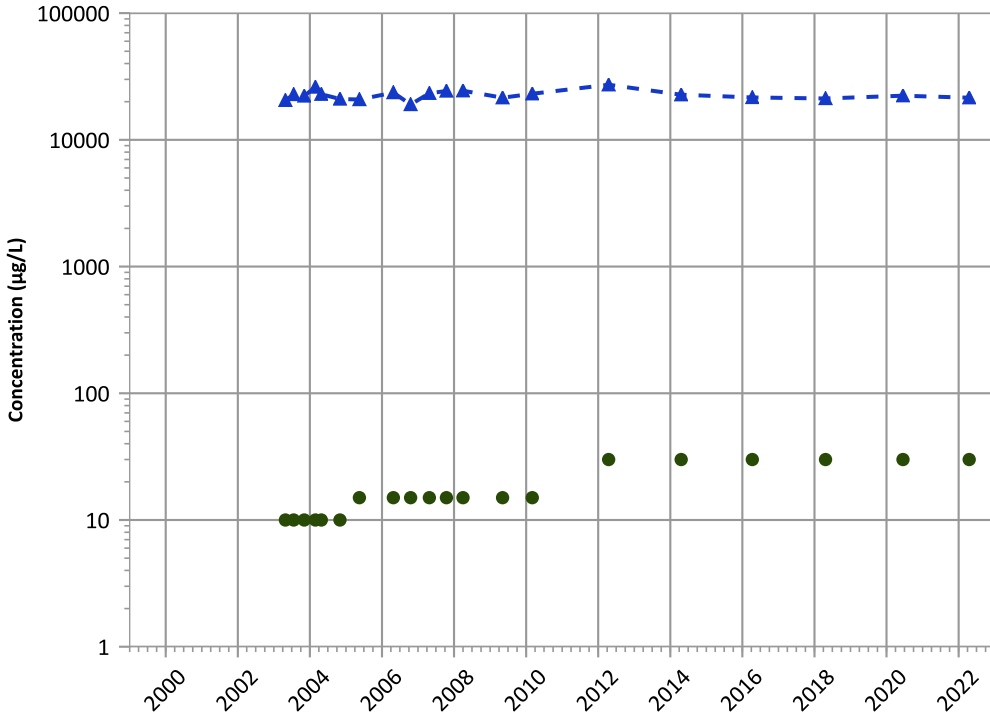
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Stable

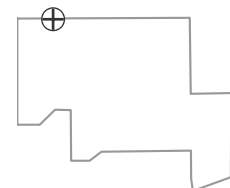
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

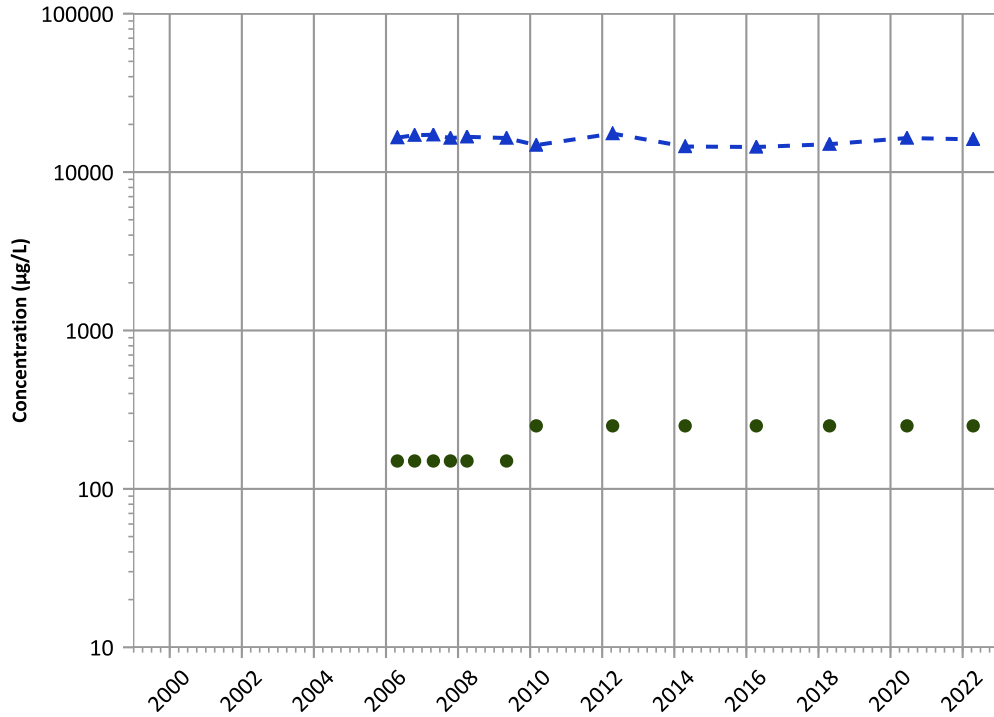
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/28/2003 to 04/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
 2020 - 2022 Data: No Trend

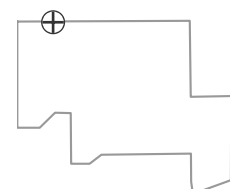
MAROS Linear Regression Method

All Data: Probably Decreasing  
 2020 - 2022 Data: Increasing

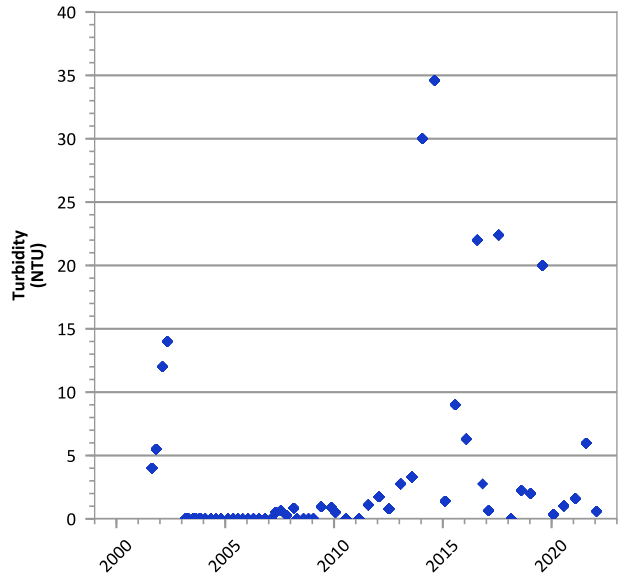
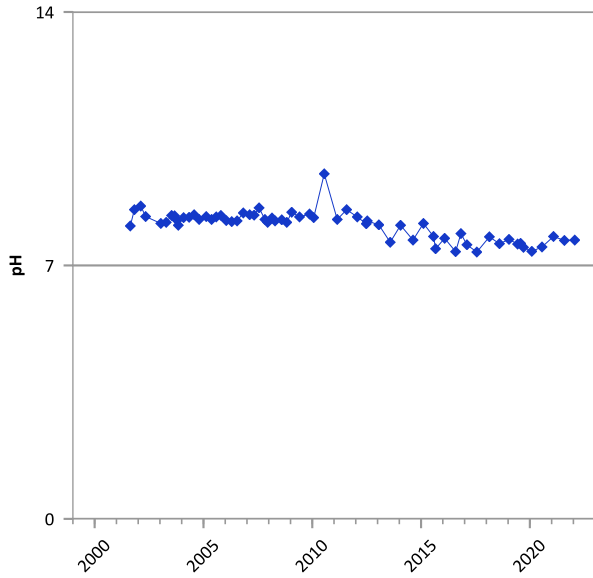
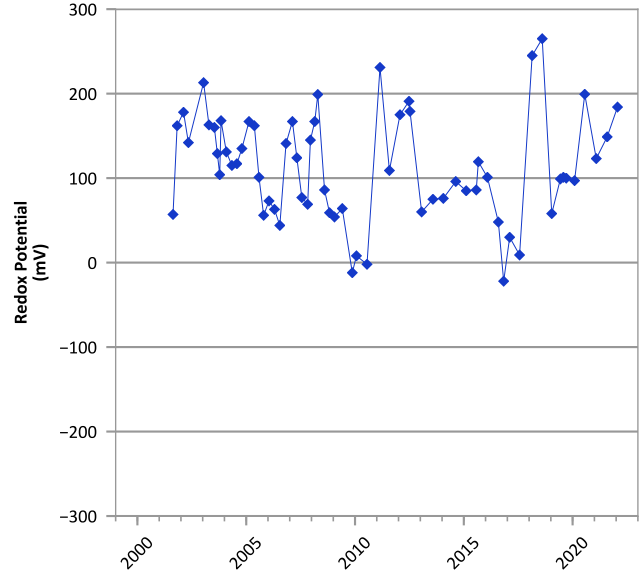
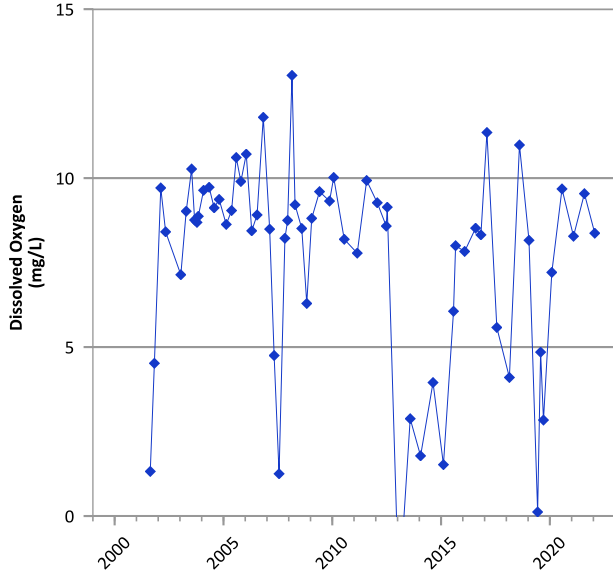
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/28/2003 to 04/18/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

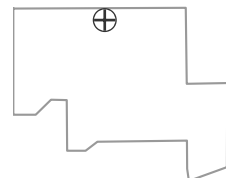


**PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



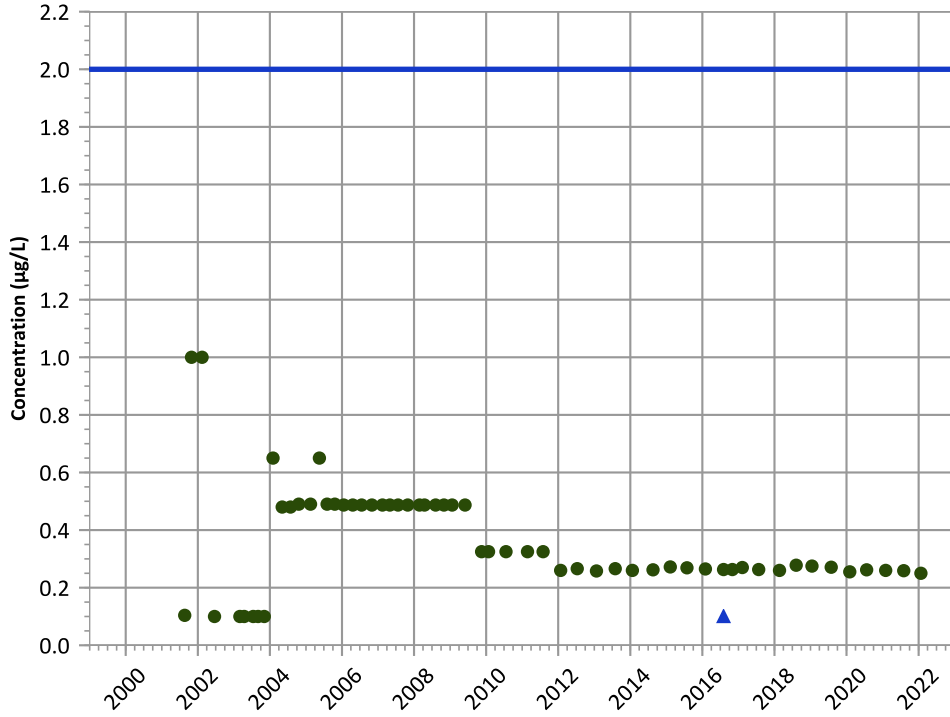
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

**Well Location**



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

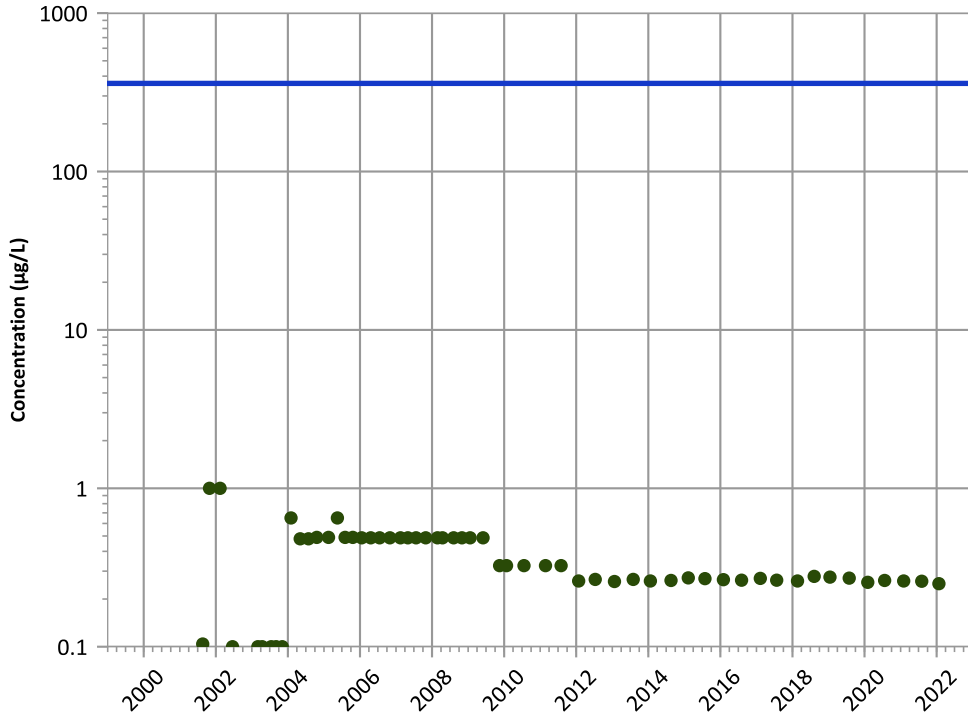


Concentration Trend

MAROS Mann-Kendall Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

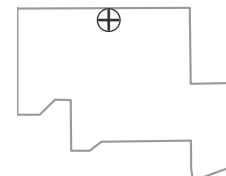
MAROS Mann-Kendall Method  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

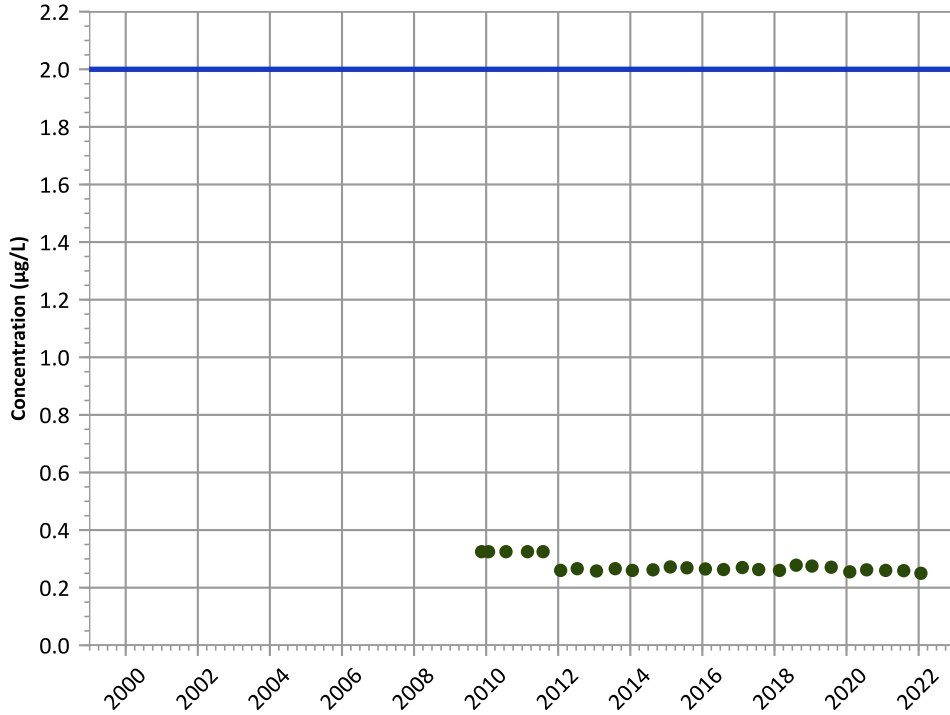
Well Location





PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

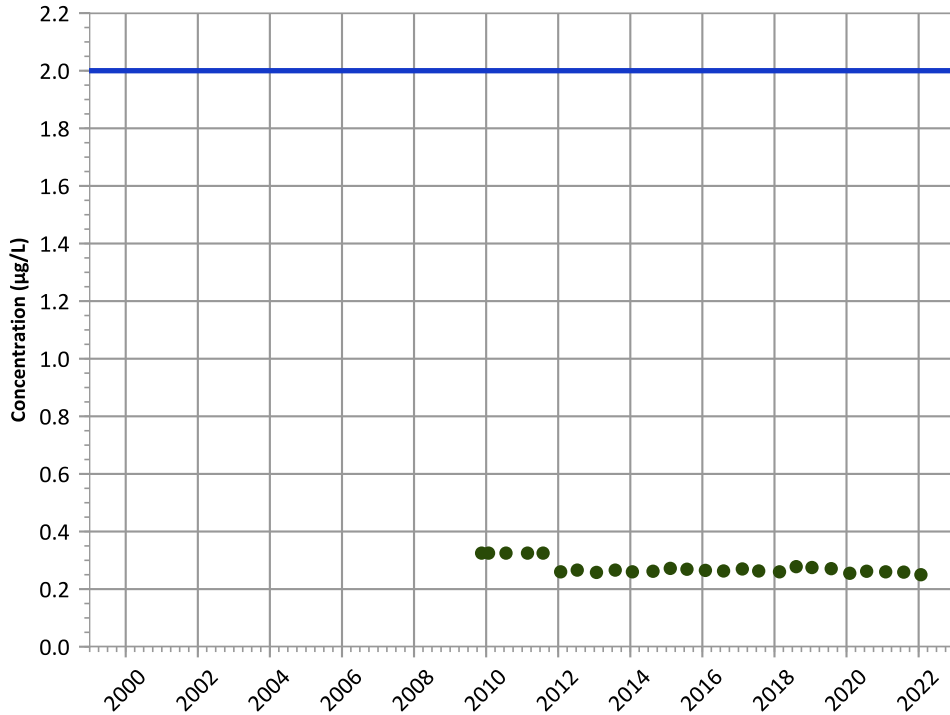
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

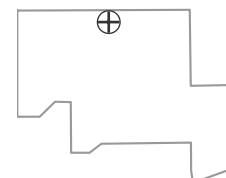
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

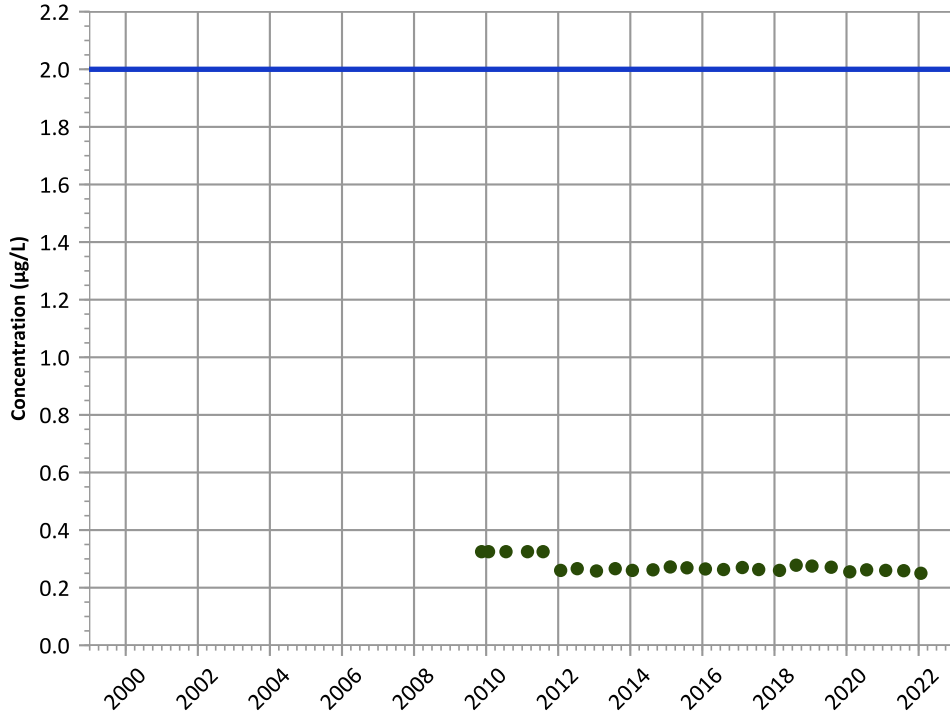
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

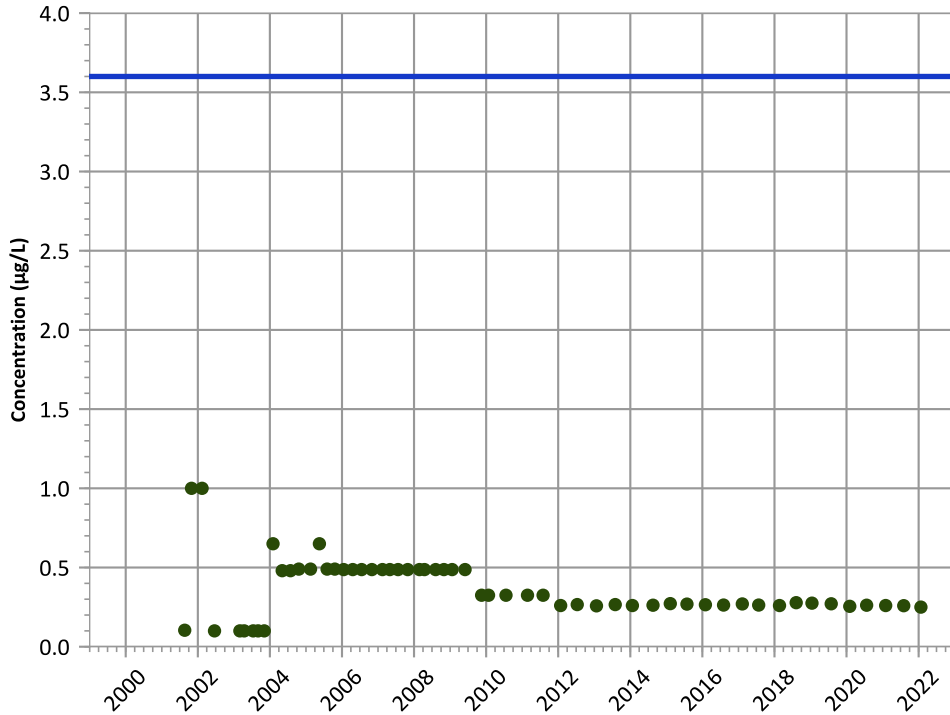
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

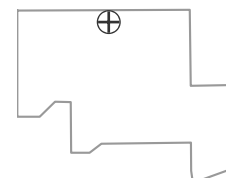
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

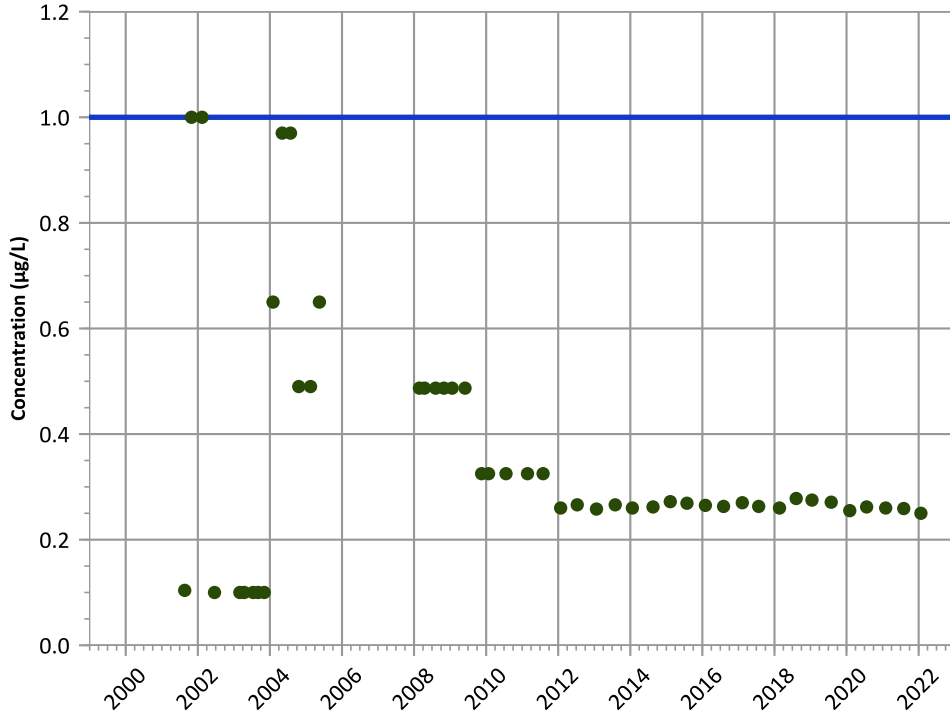
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

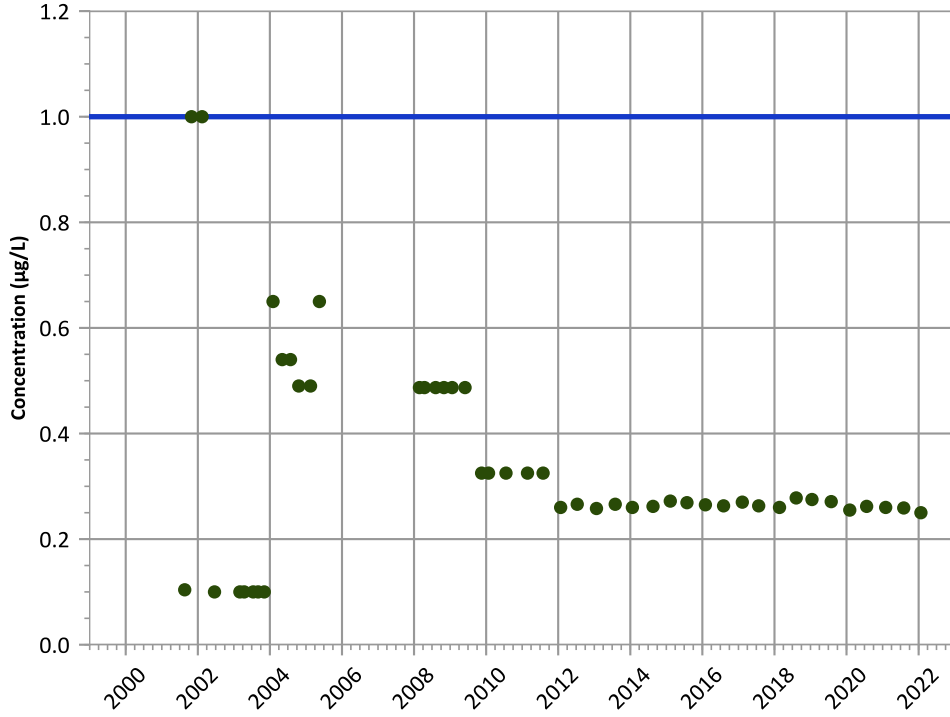
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

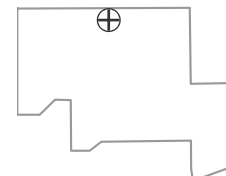
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

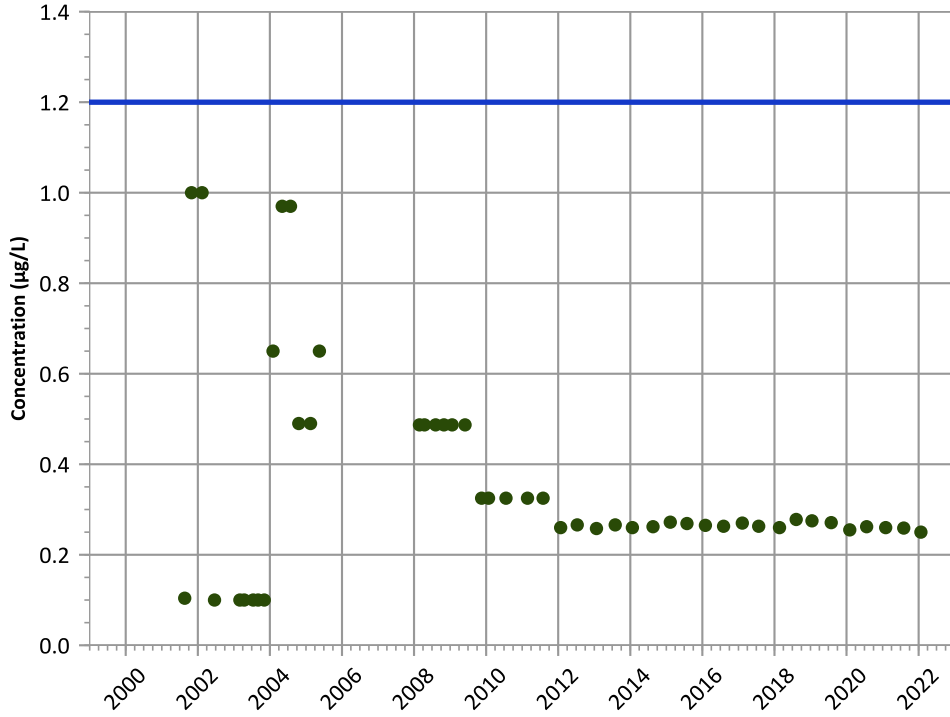
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

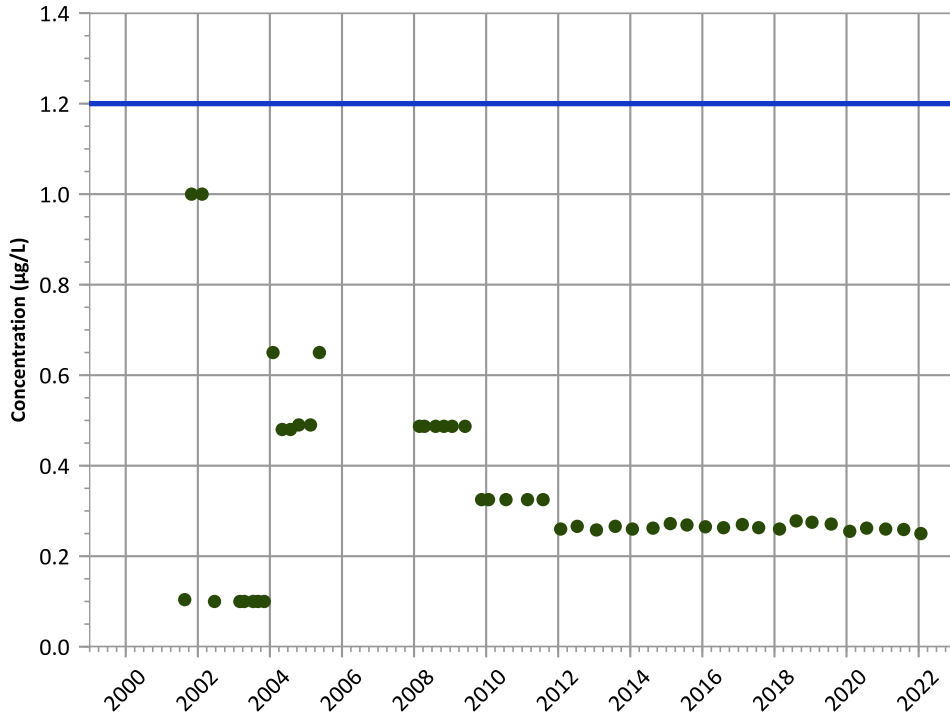
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

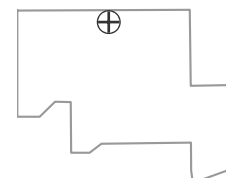
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

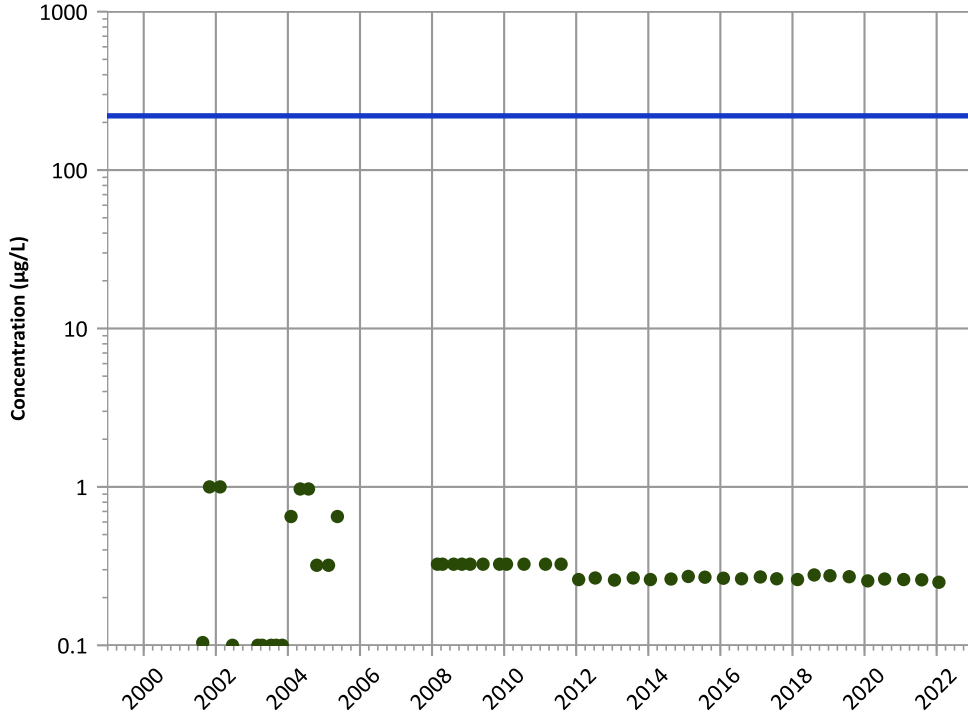
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

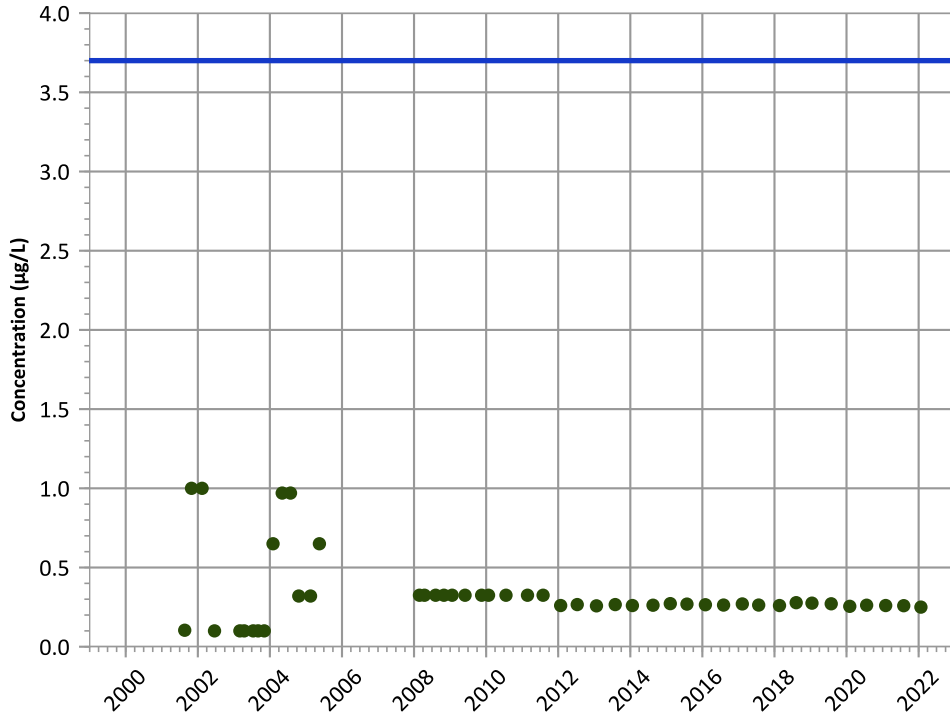
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

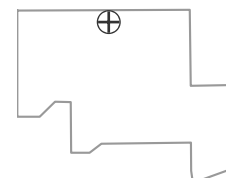
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

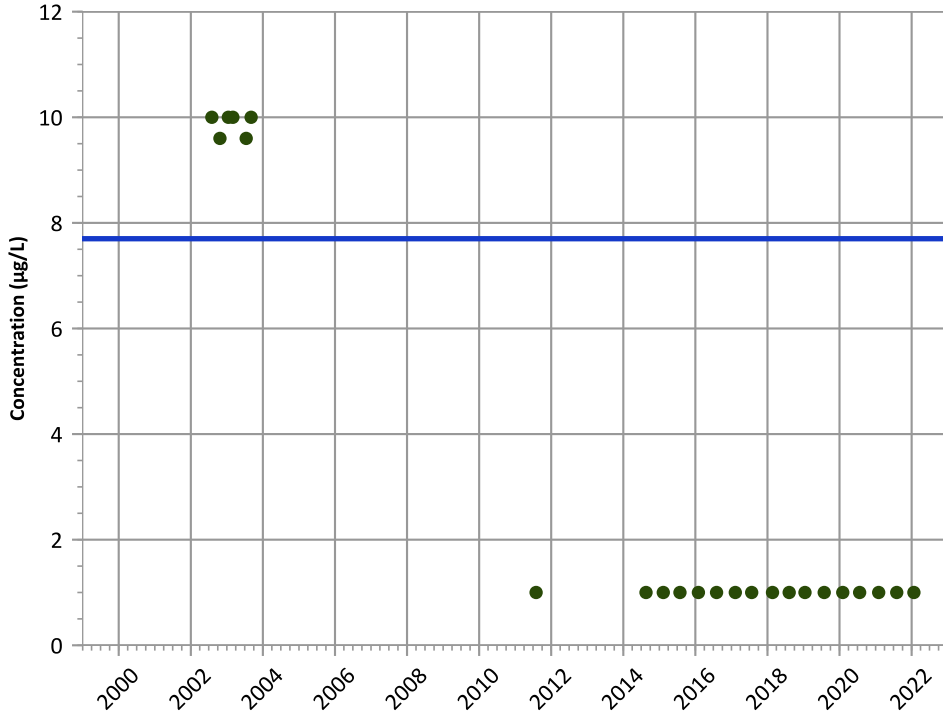


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

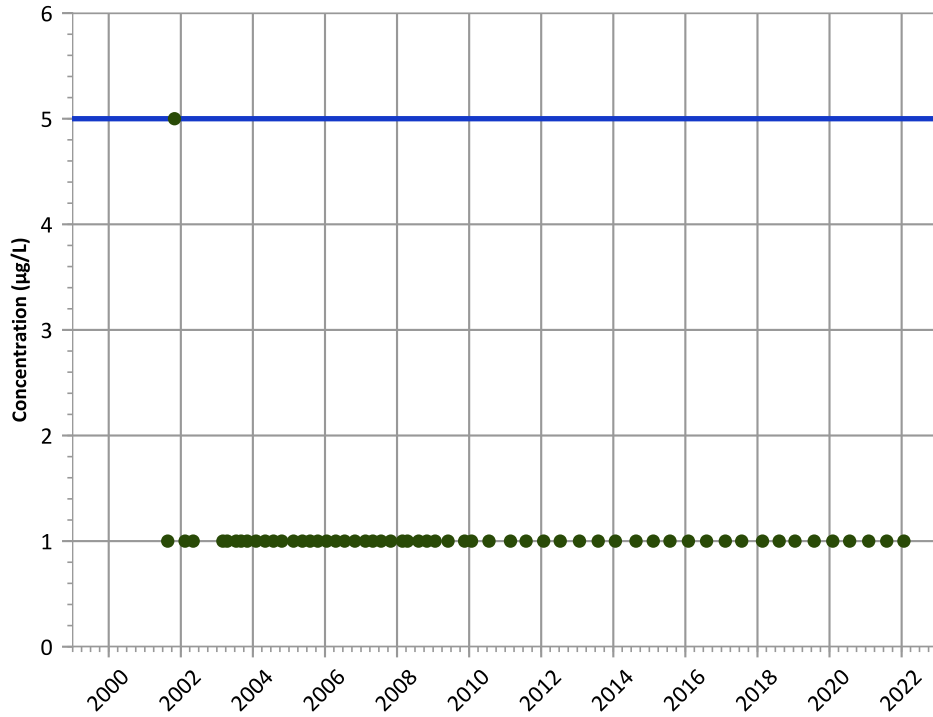
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

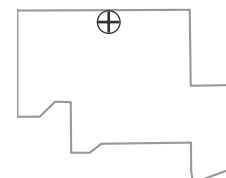
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

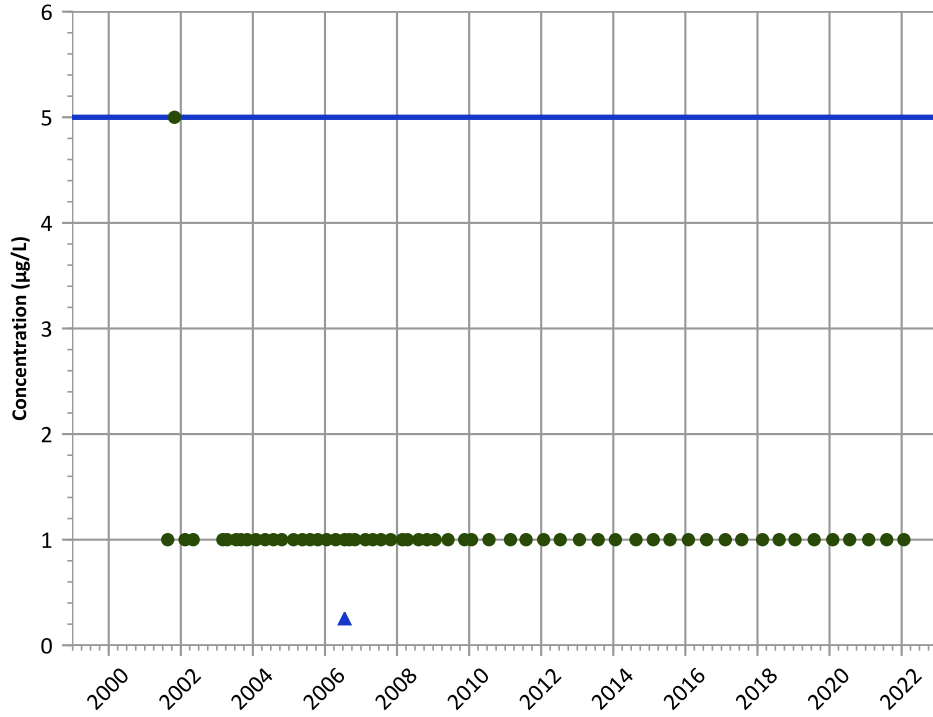
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend

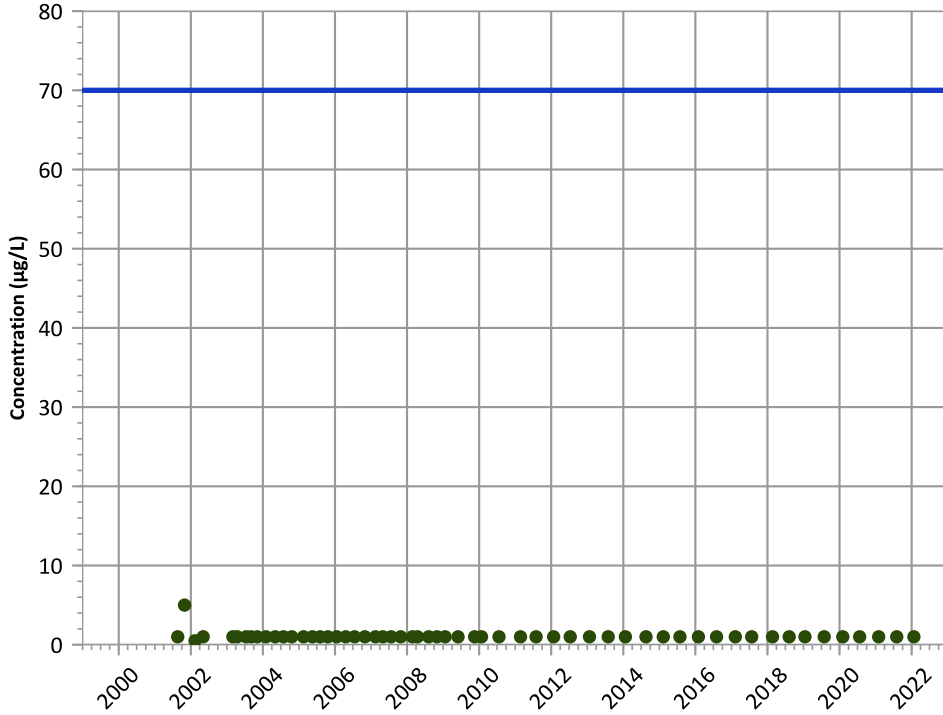


Concentration Trend

**MAROS Mann-Kendall Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

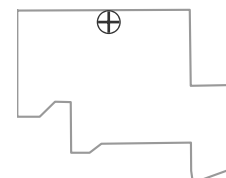
**MAROS Mann-Kendall Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

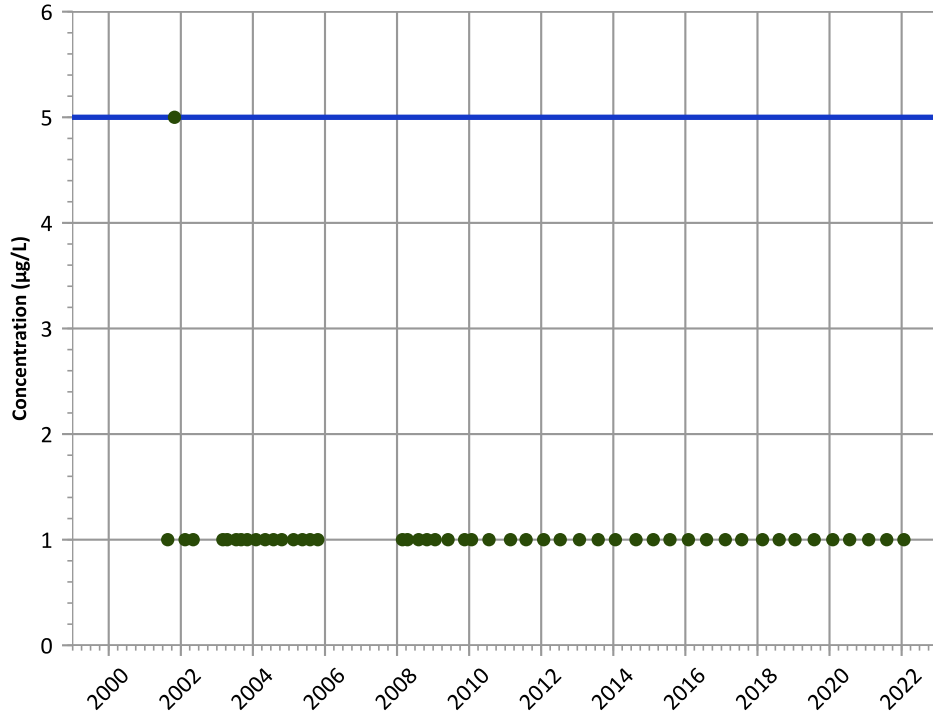
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

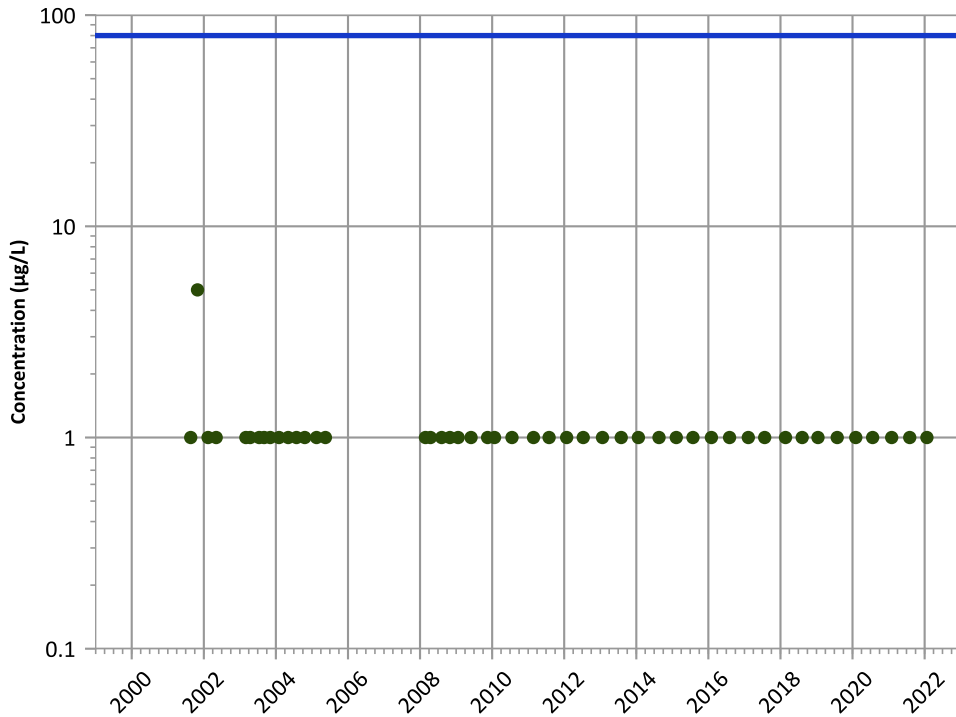
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

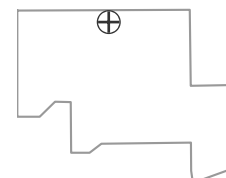
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

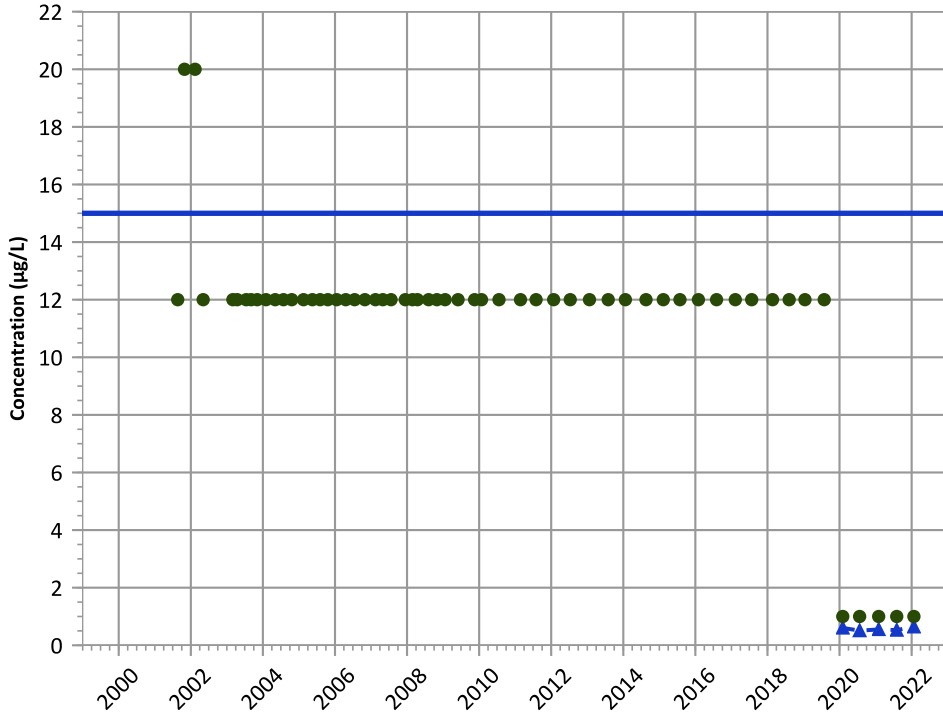
Well Location





PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

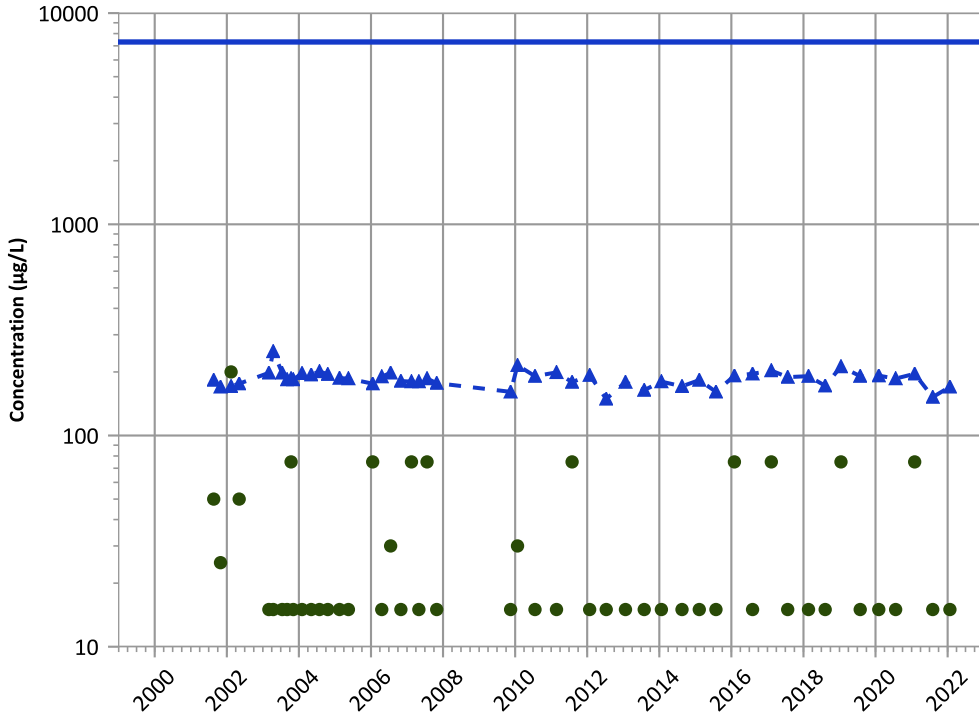
All Data:

No Trend

2020 - 2022 Data:

Probably Increasing

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

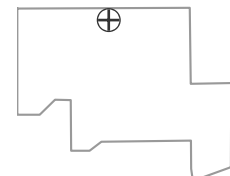
All Data:

Decreasing

2020 - 2022 Data:

Stable

Well Location

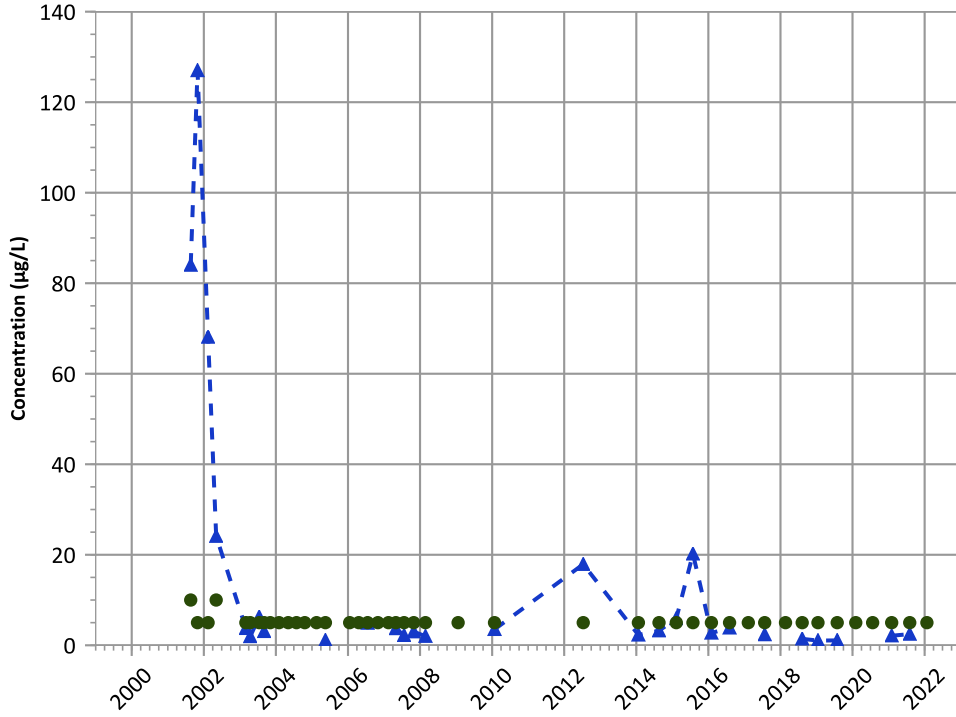


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

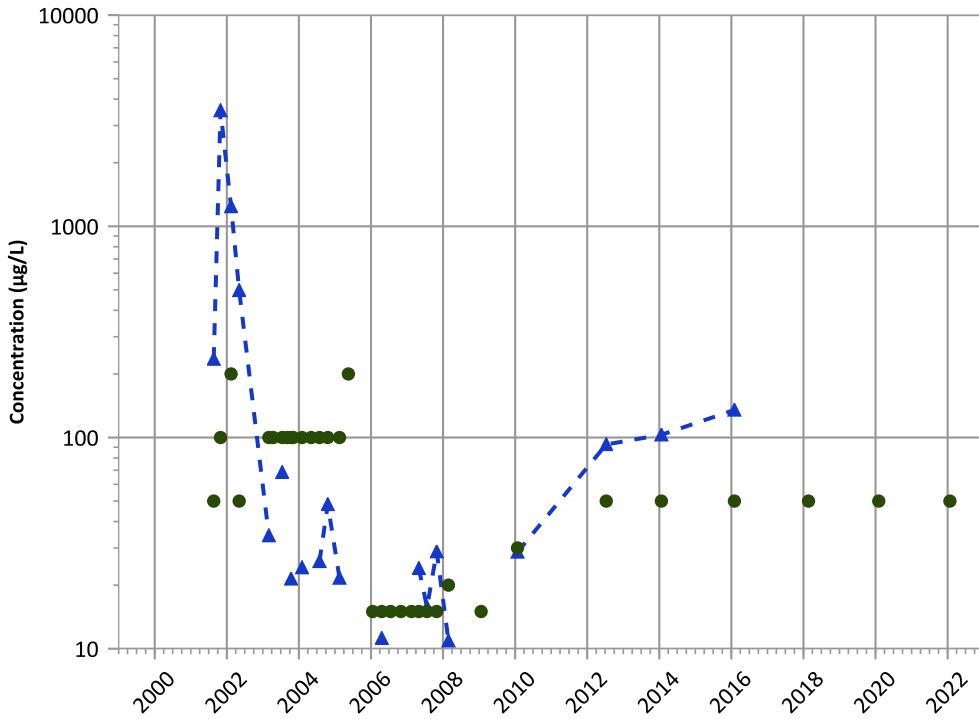
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

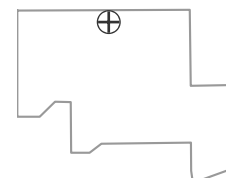
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

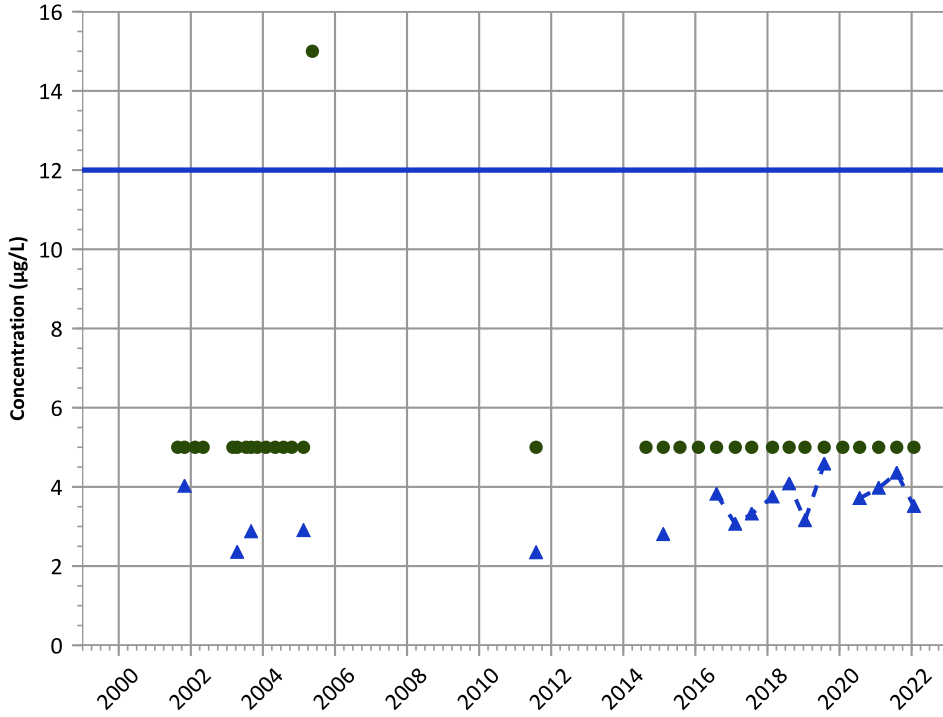
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

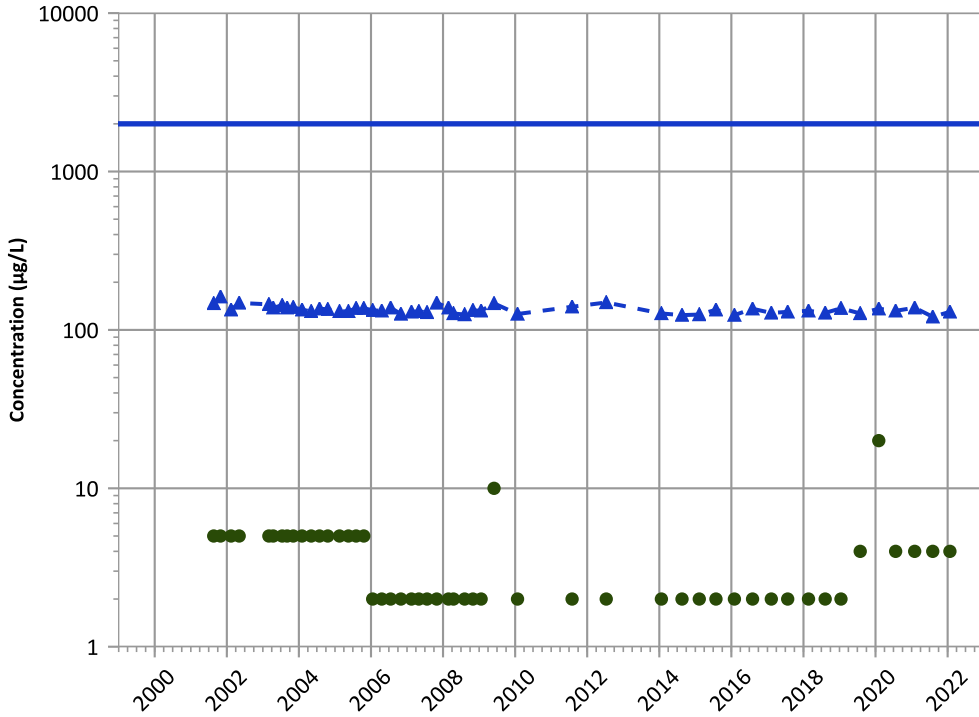
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

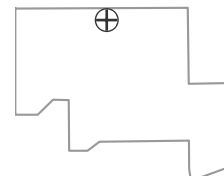
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

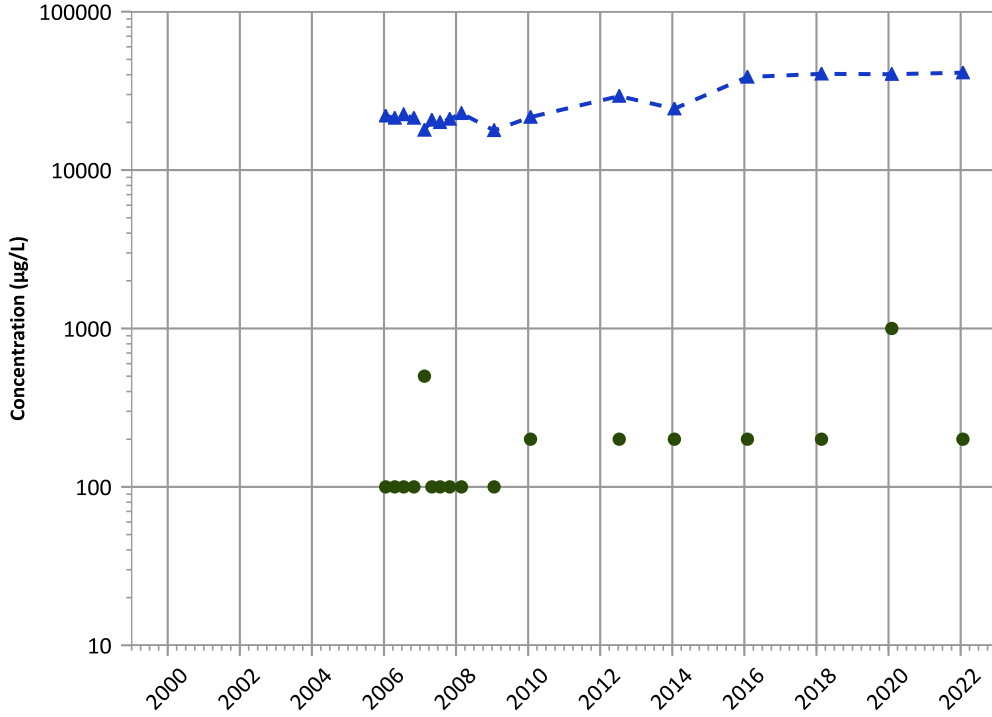
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

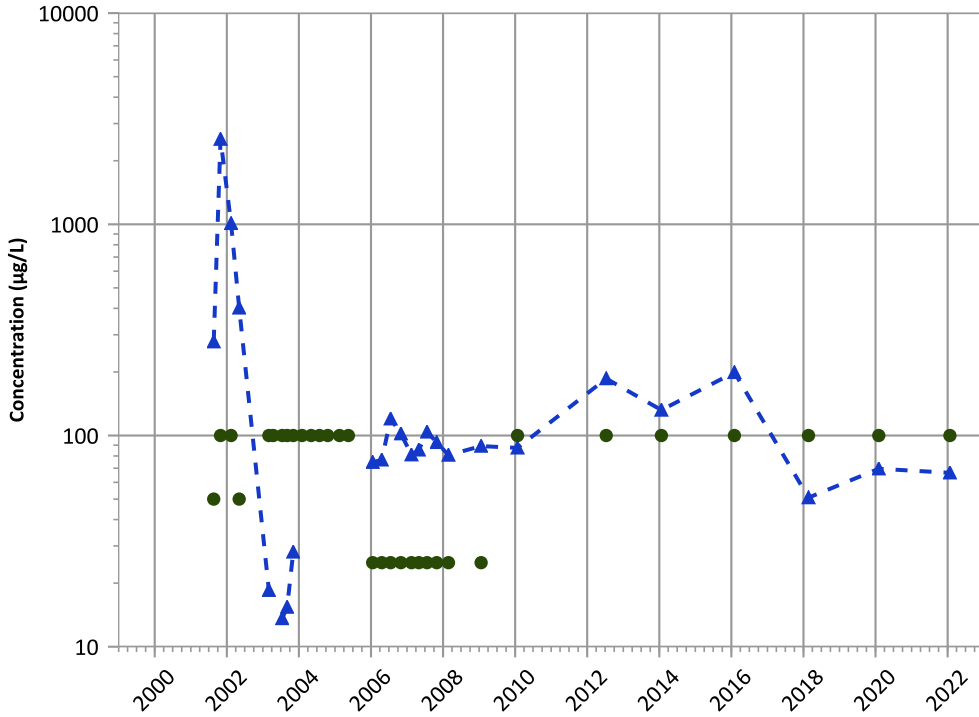
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Probably Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

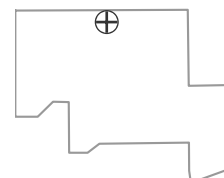
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

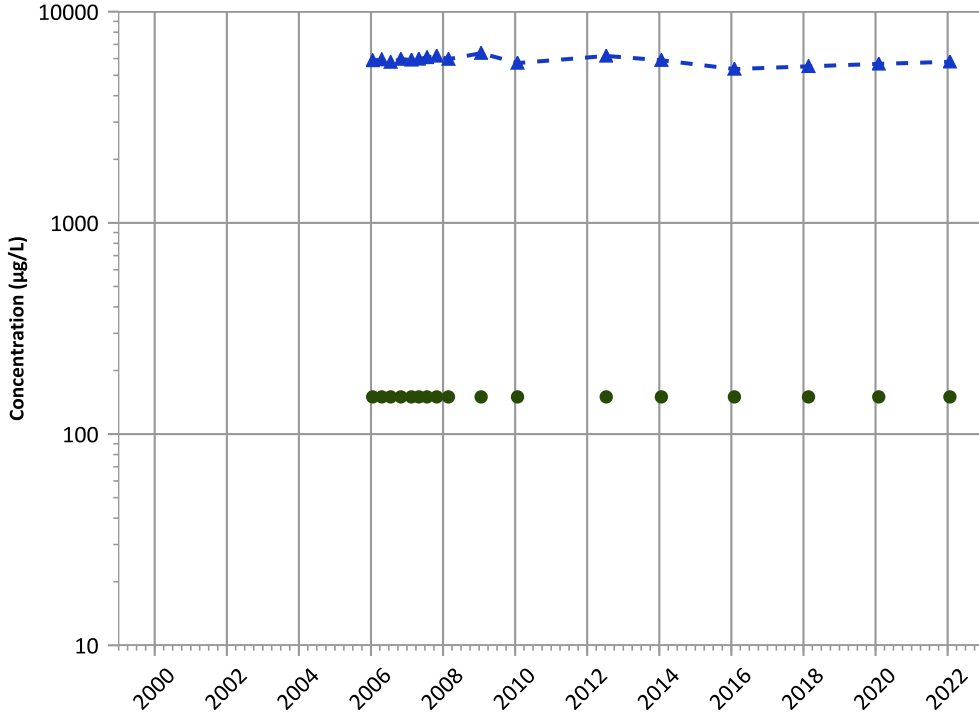
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

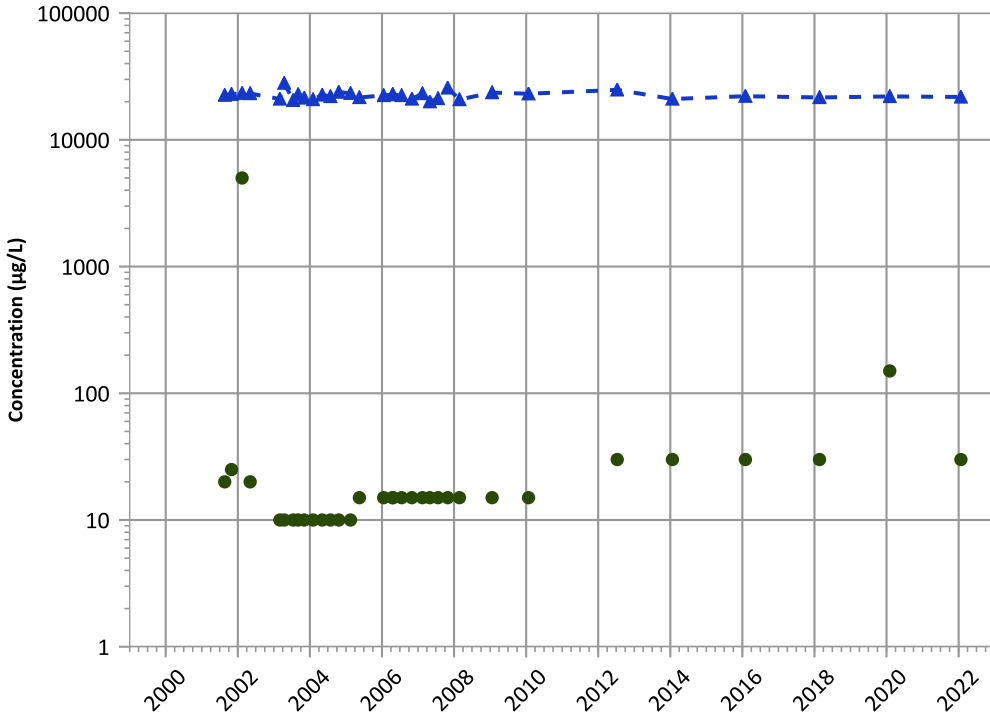
All Data:

Decreasing

2020 - 2022 Data:

Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

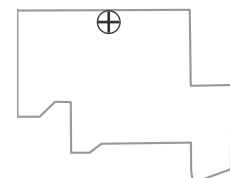
All Data:

Decreasing

2020 - 2022 Data:

Stable

Well Location

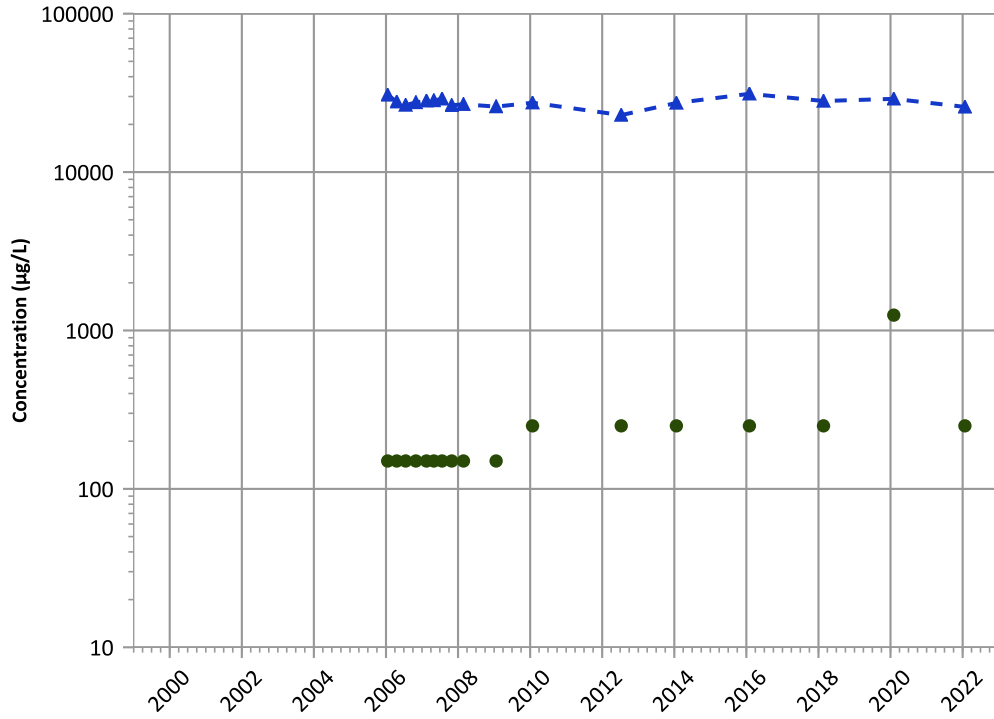


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1062A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing

2020 - 2022 Data:  
Decreasing

Decreasing

MAROS Linear Regression Method

All Data:  
Decreasing

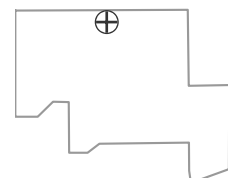
2020 - 2022 Data:  
Probably Decreasing

Probably Decreasing

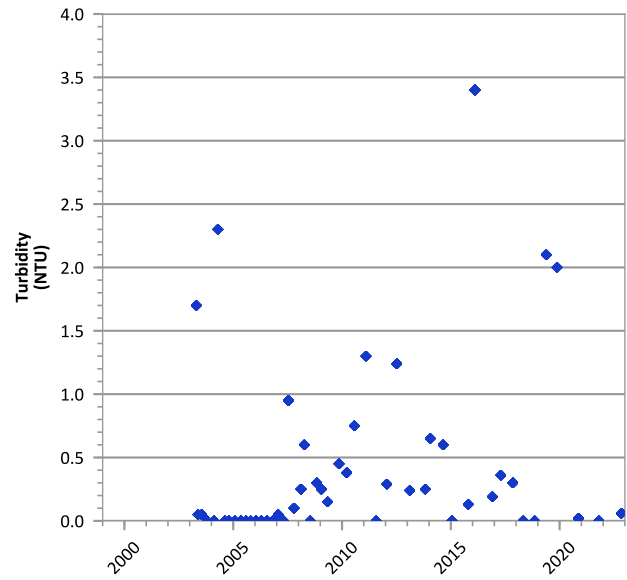
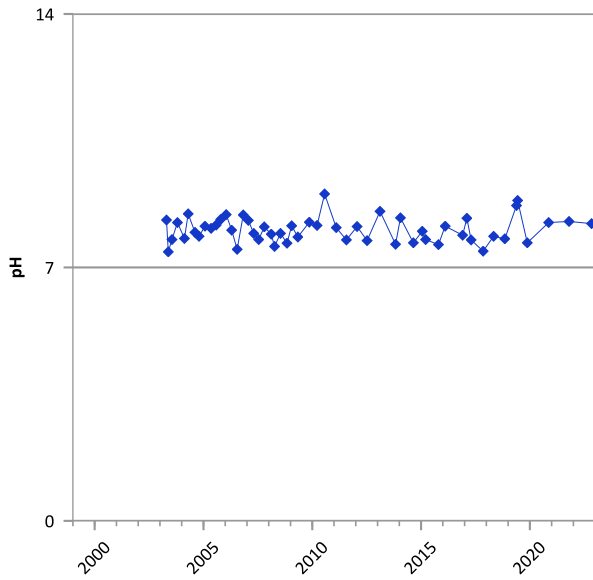
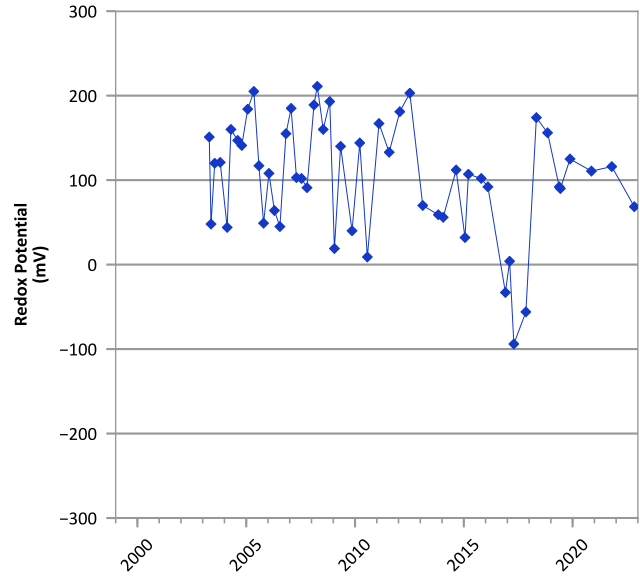
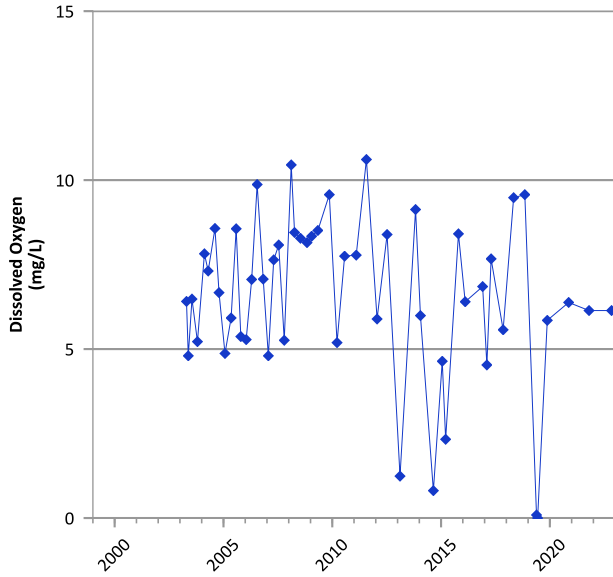
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/21/2001 to 01/24/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

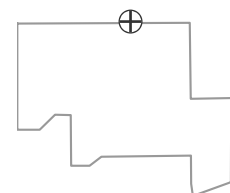


**PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



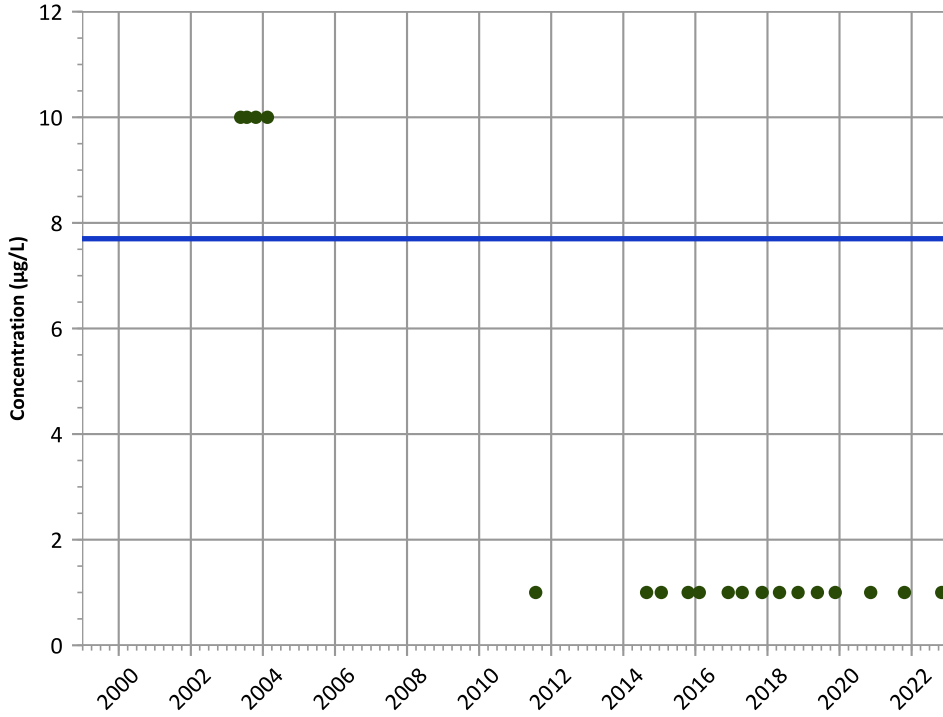
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 04/21/2003 to 11/02/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

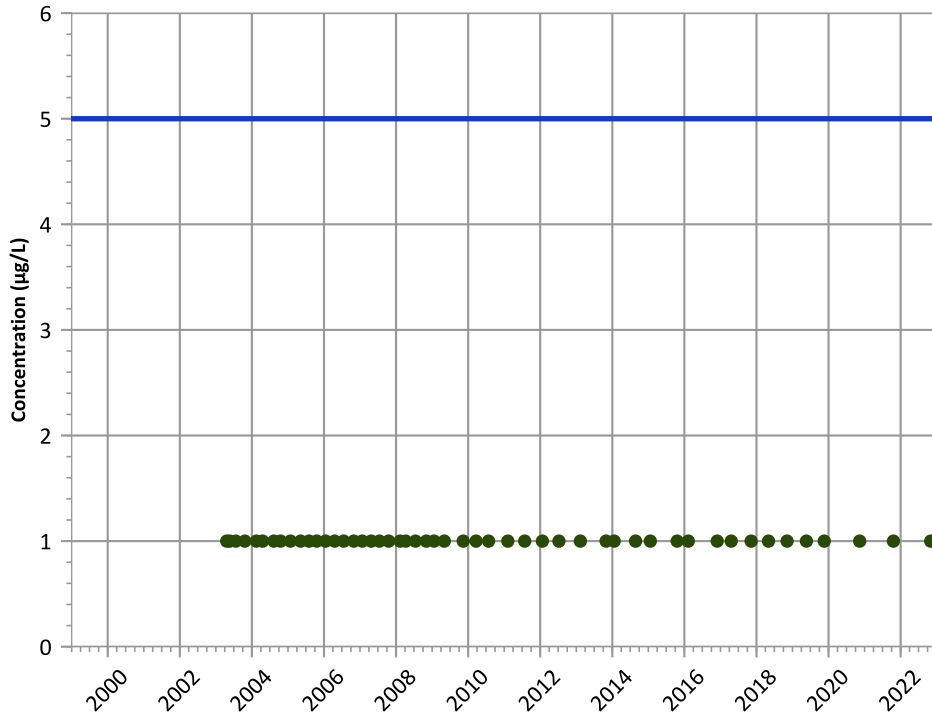
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

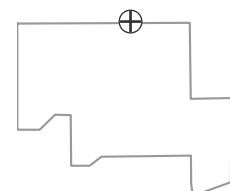
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location



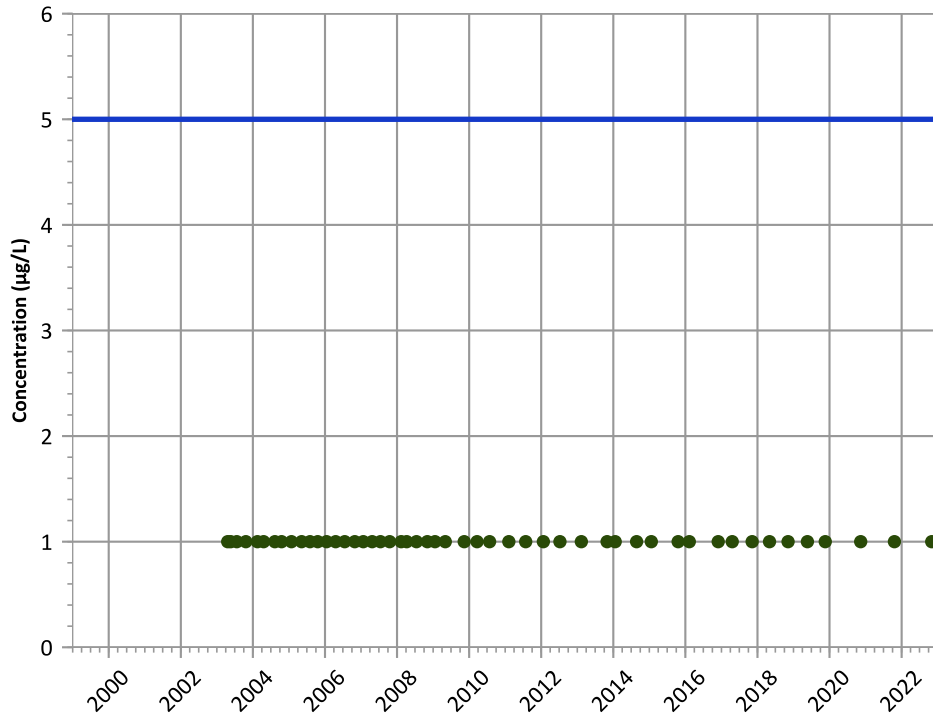
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

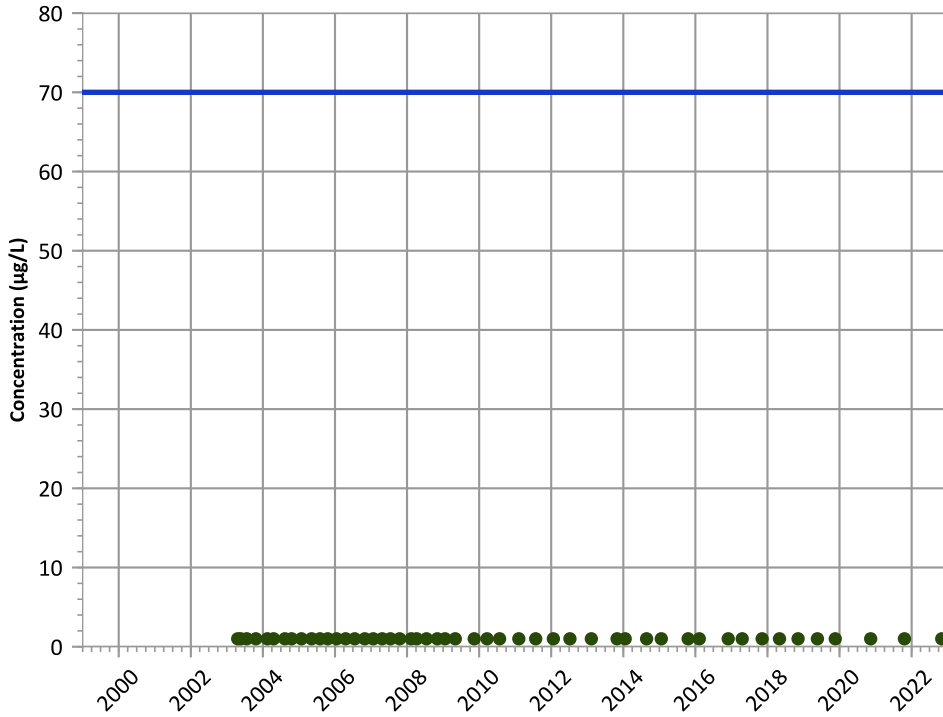
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

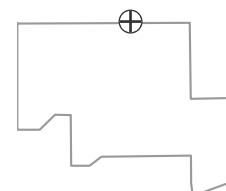
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

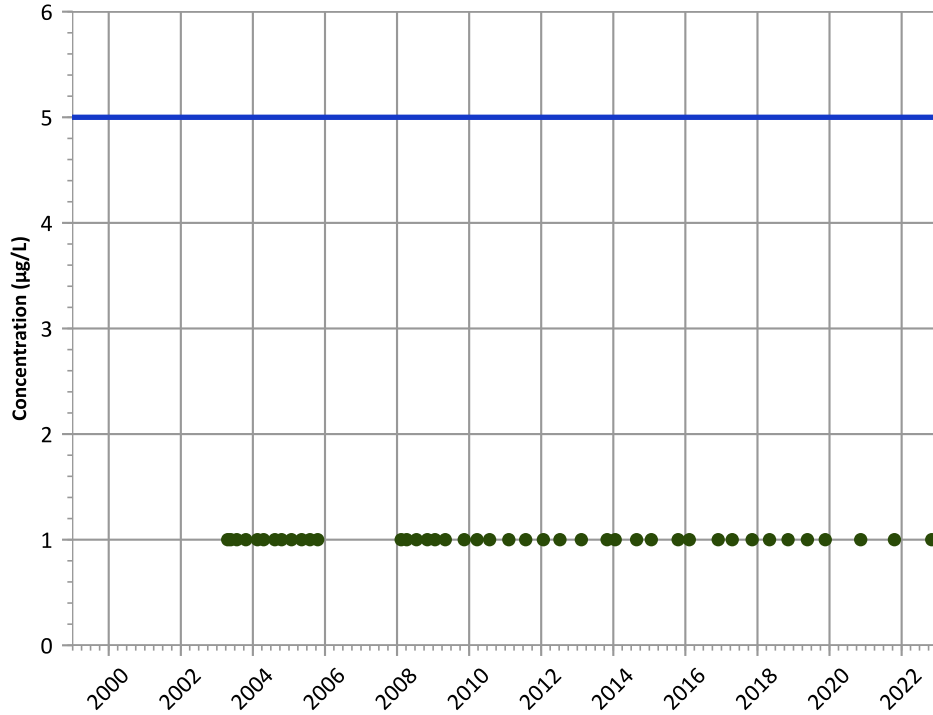
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

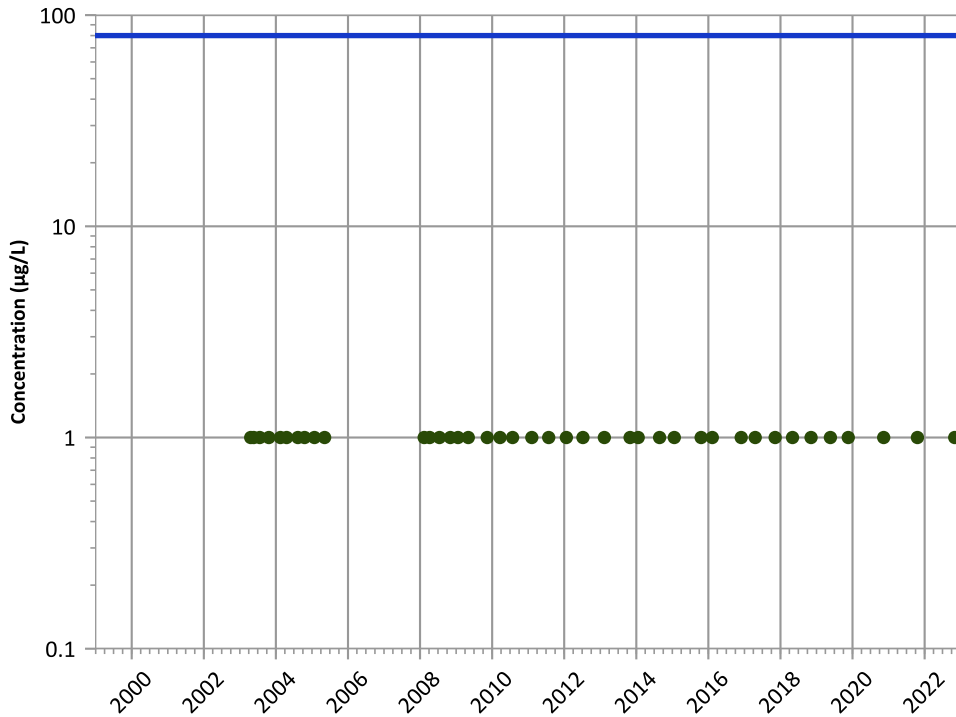
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

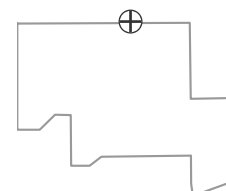
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

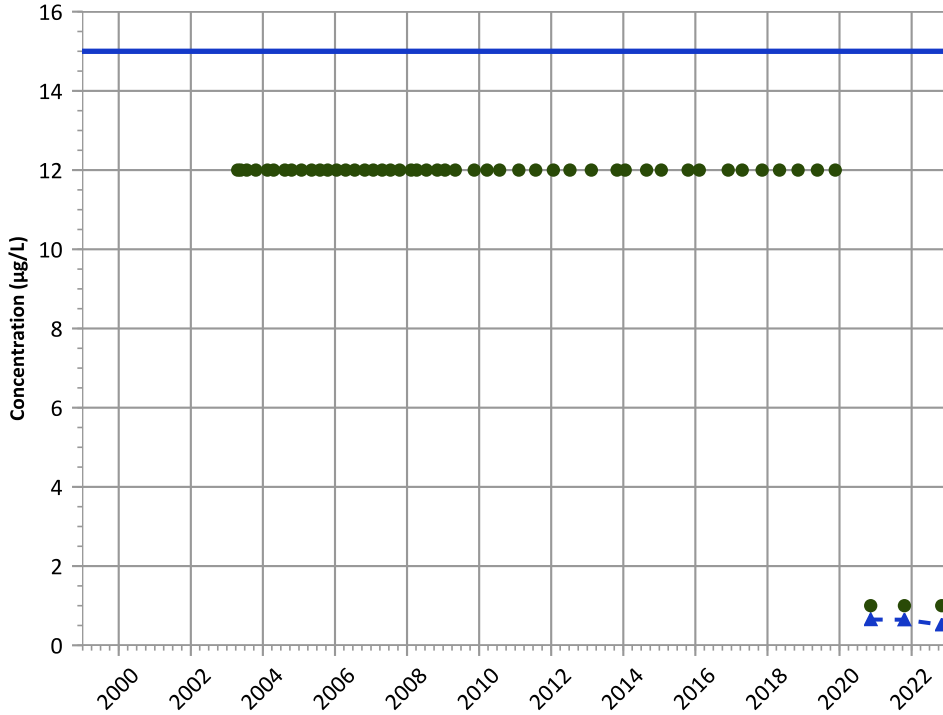
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

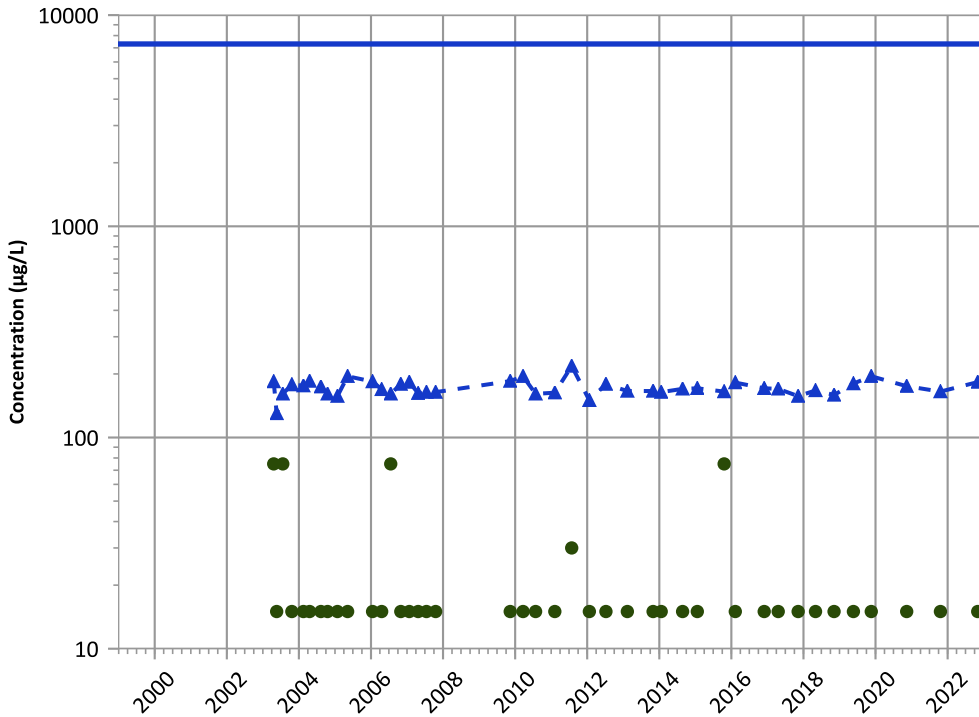
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Increasing  
2020 - 2022 Data:  
Decreasing

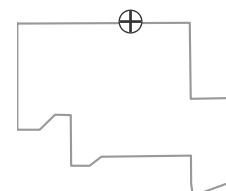
**MAROS Linear Regression Method**

All Data:  
Increasing  
2020 - 2022 Data:  
Stable

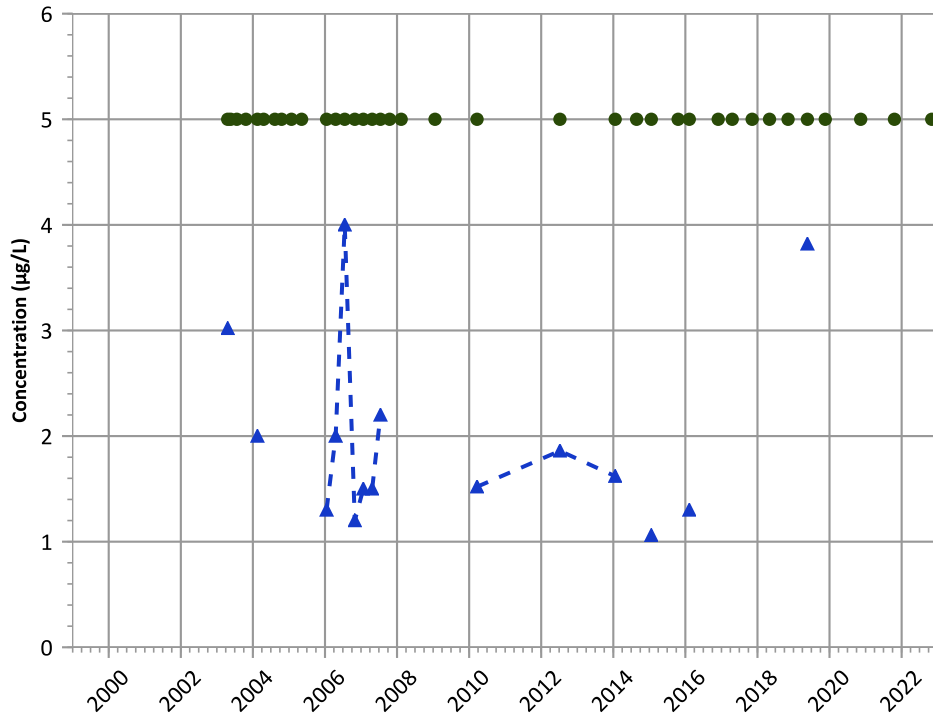
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend



Concentration Trend

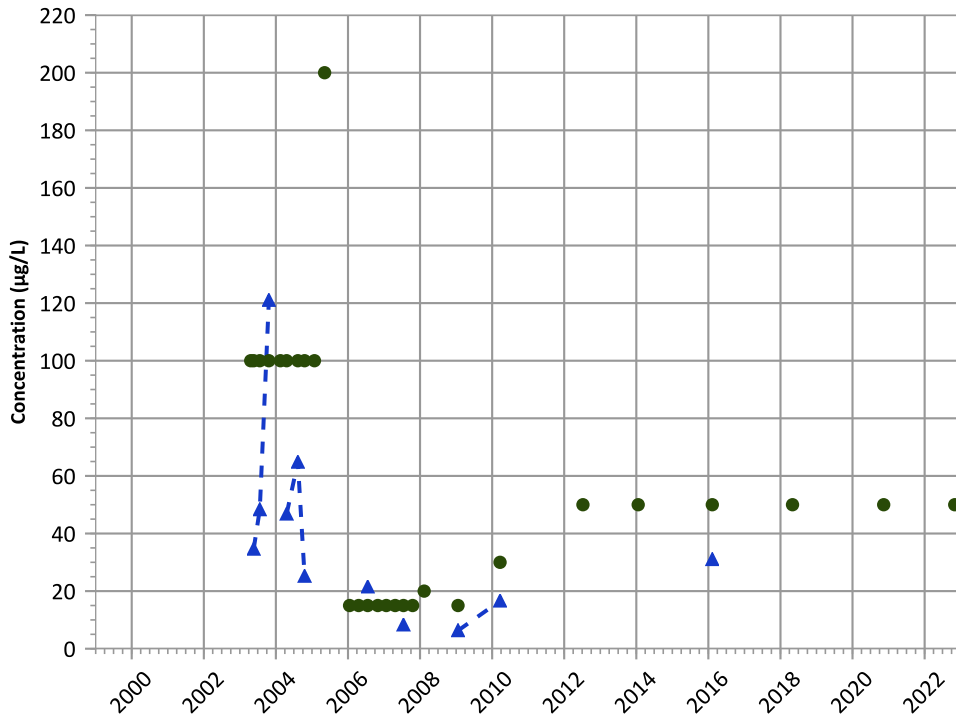
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: No Trend

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

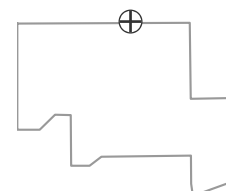
MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

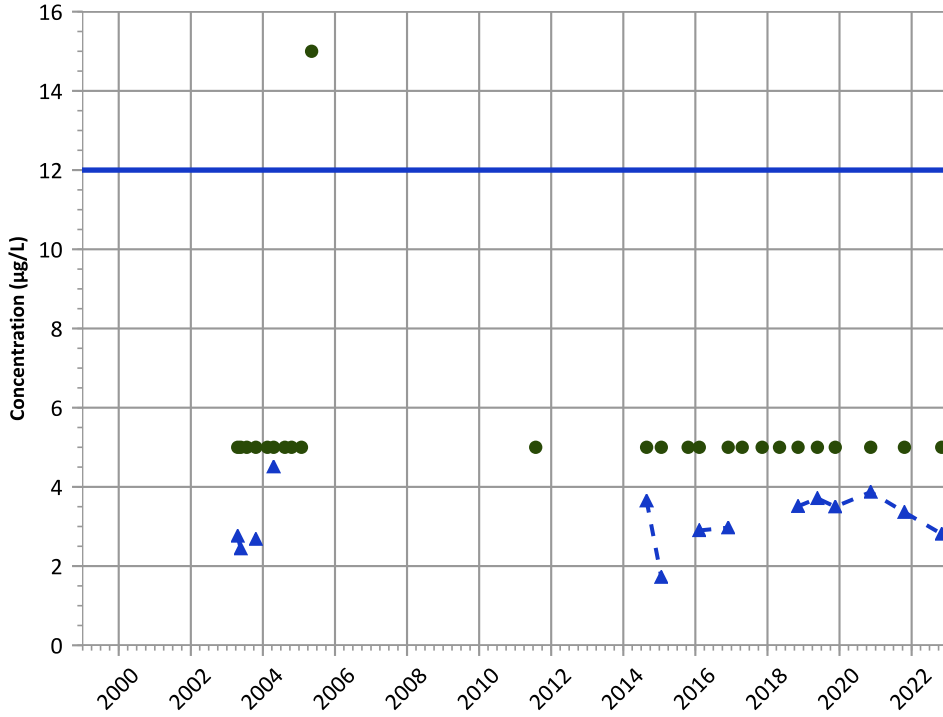
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

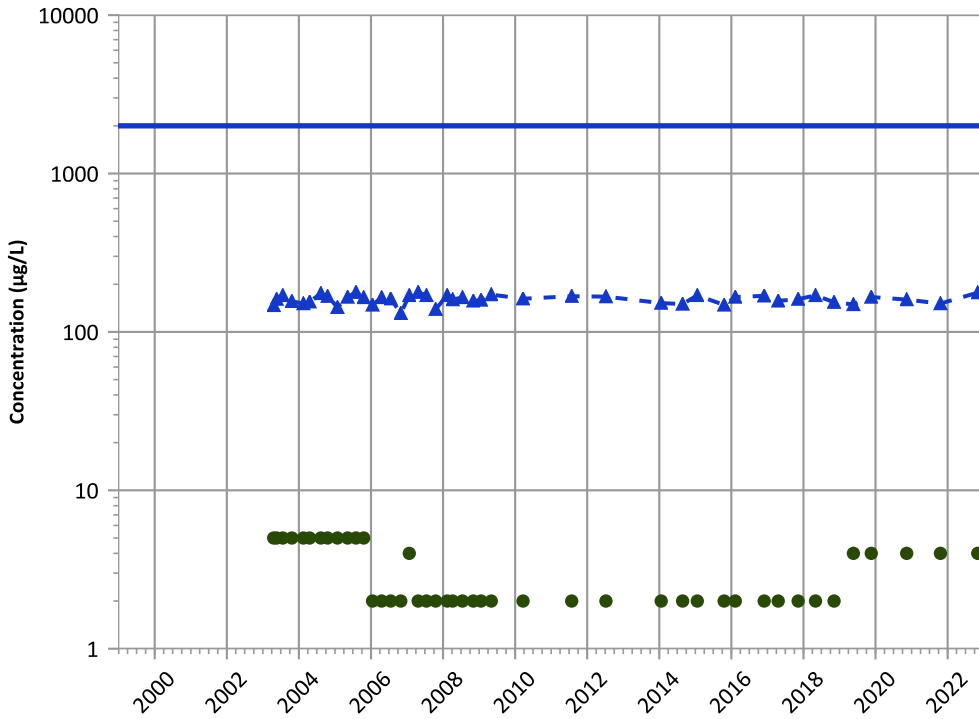
MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Stable

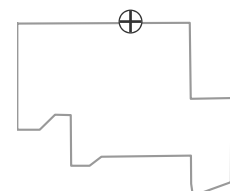
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

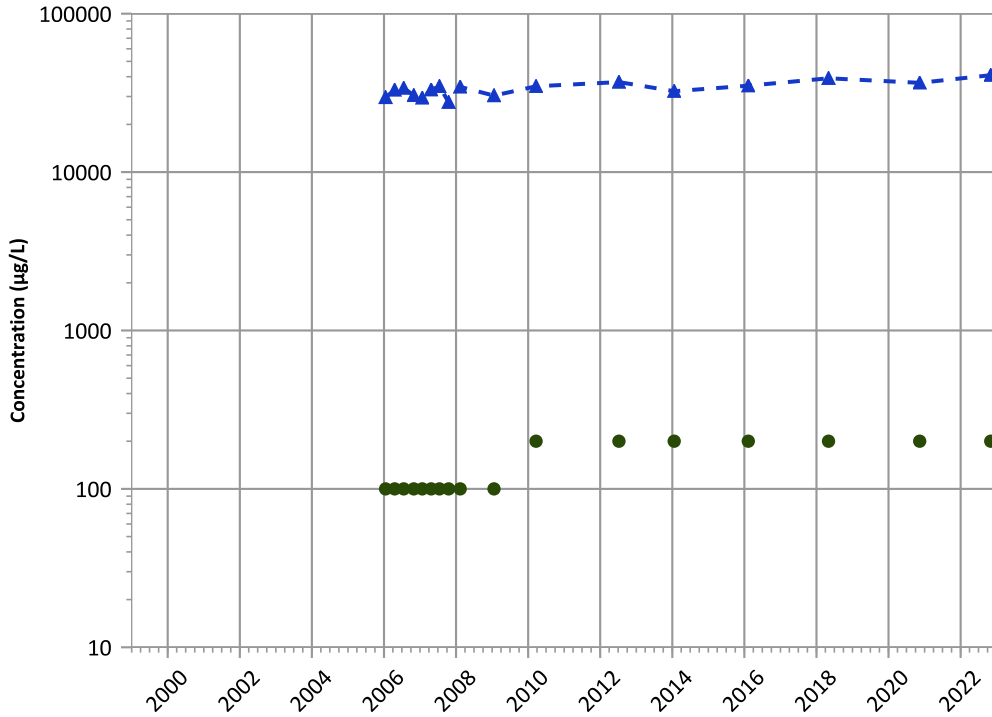
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

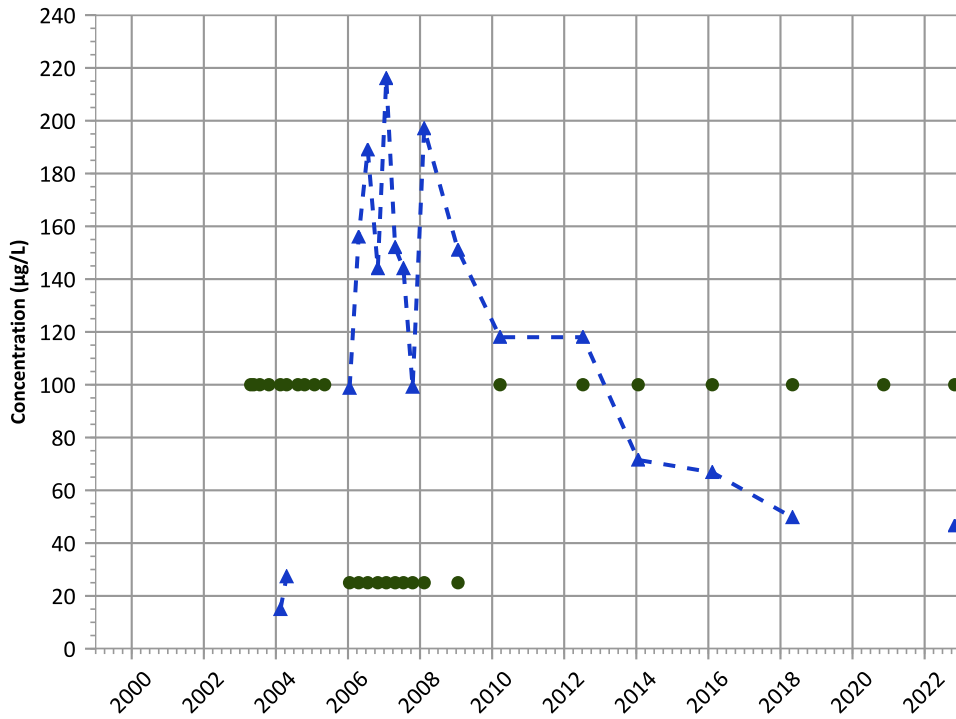
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

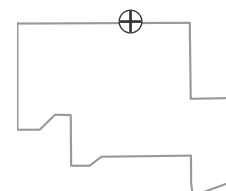
MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

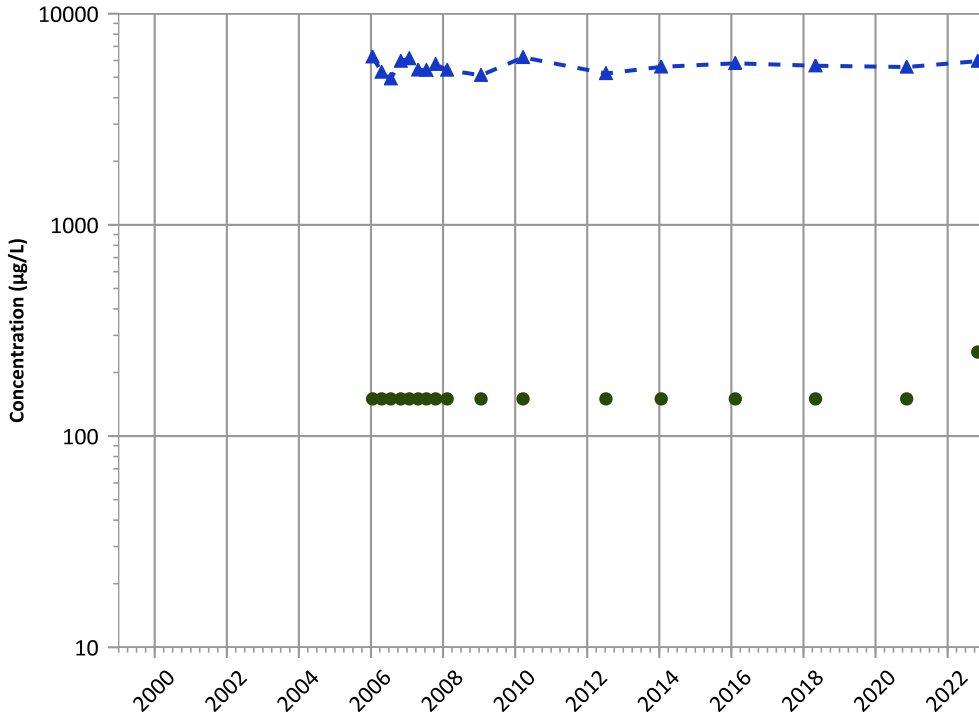
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

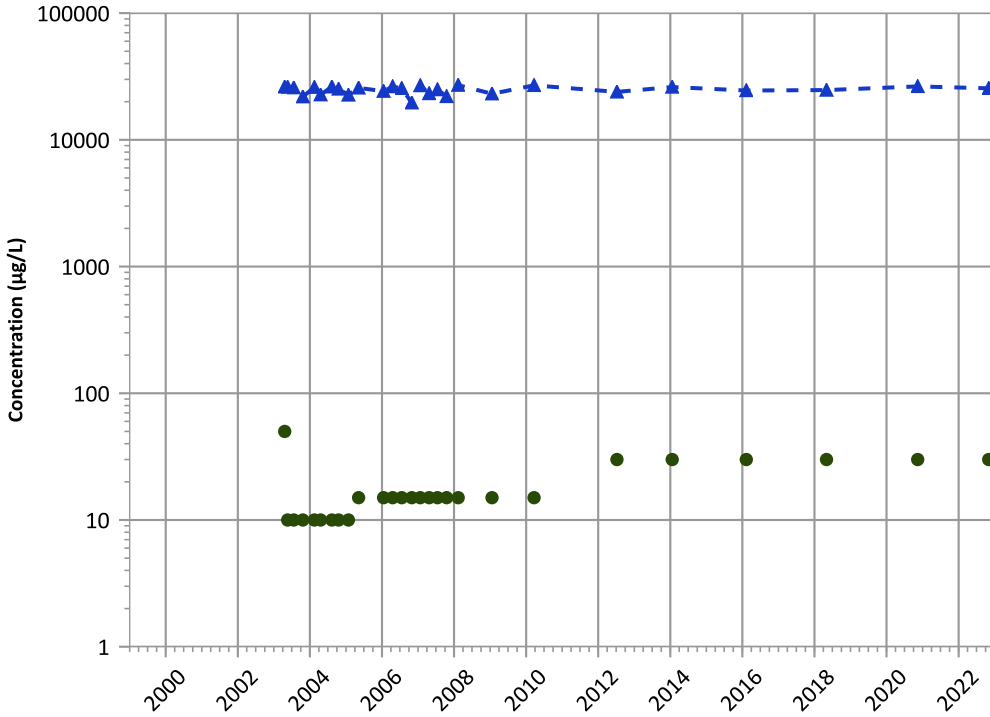
MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Magnesium Trend



Concentration Trend

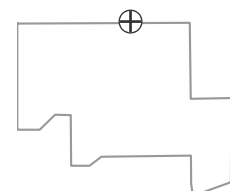
MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Well Location

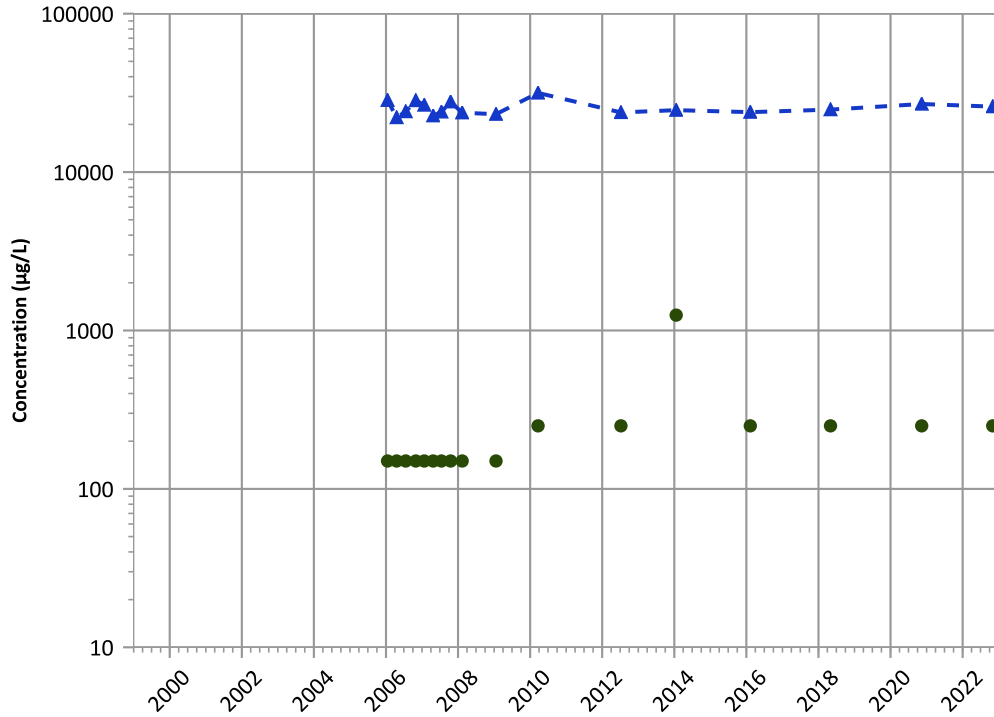


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1064 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

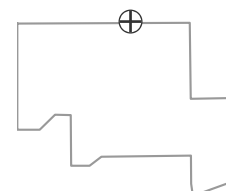
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 04/21/2003 to 11/02/2022  
Analysis Date: 04/11/2023

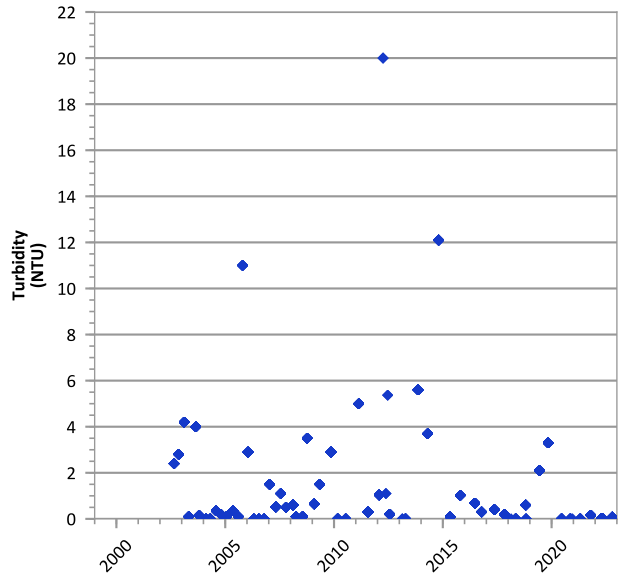
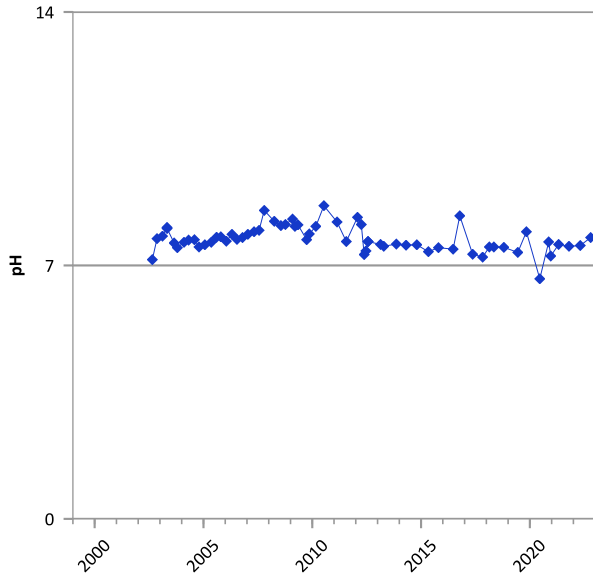
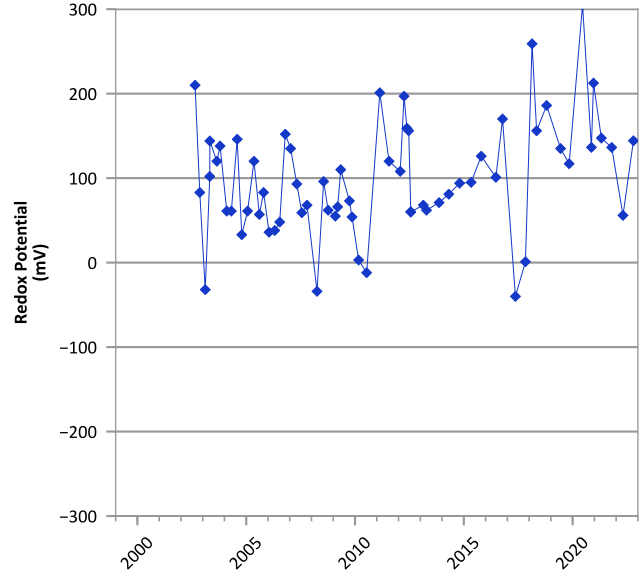
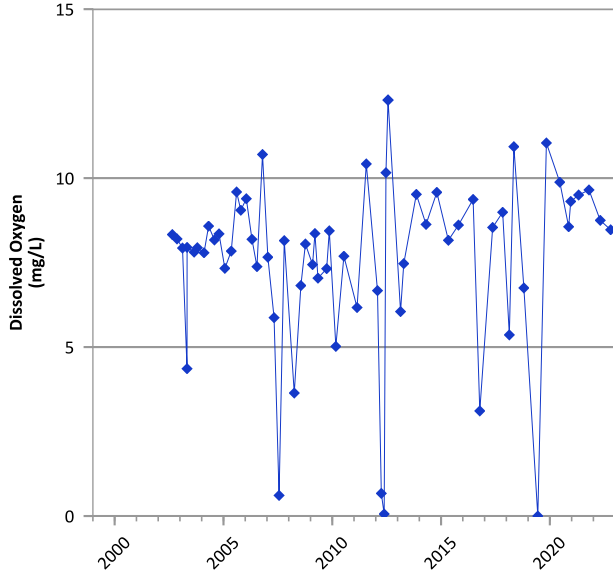
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



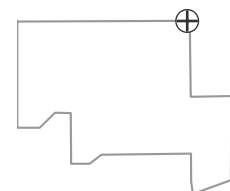


**PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



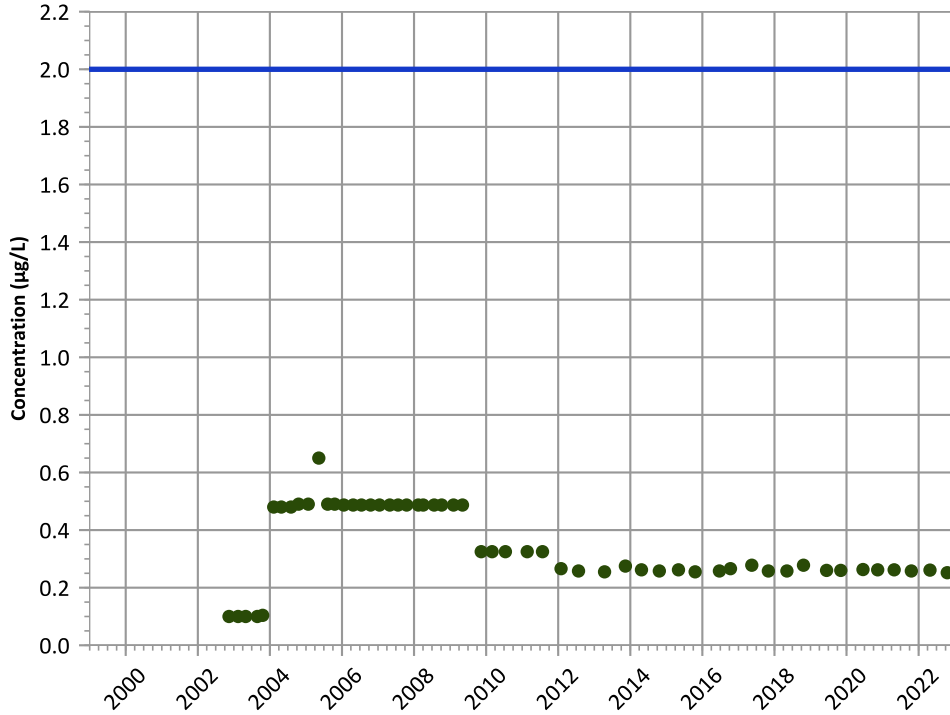
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 08/26/2002 to 10/18/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

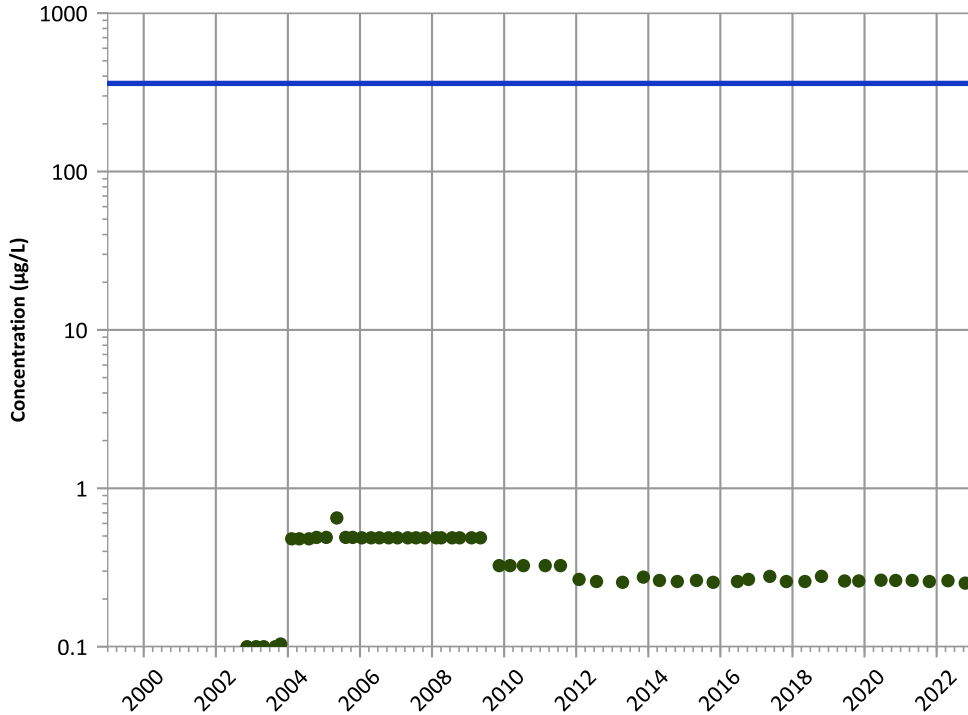
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

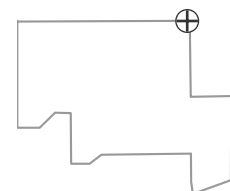
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

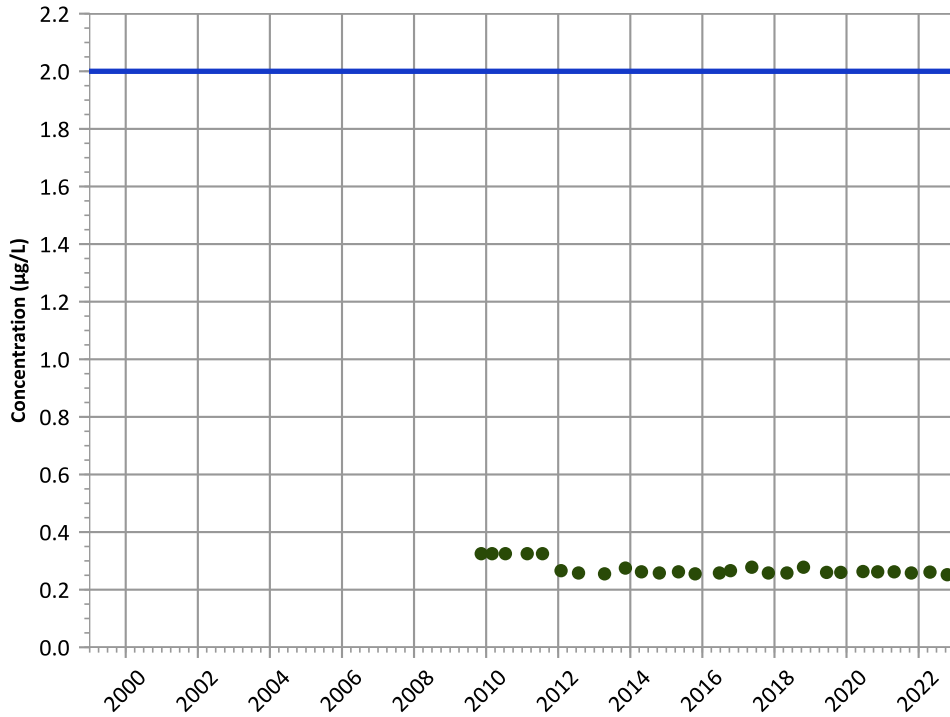
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

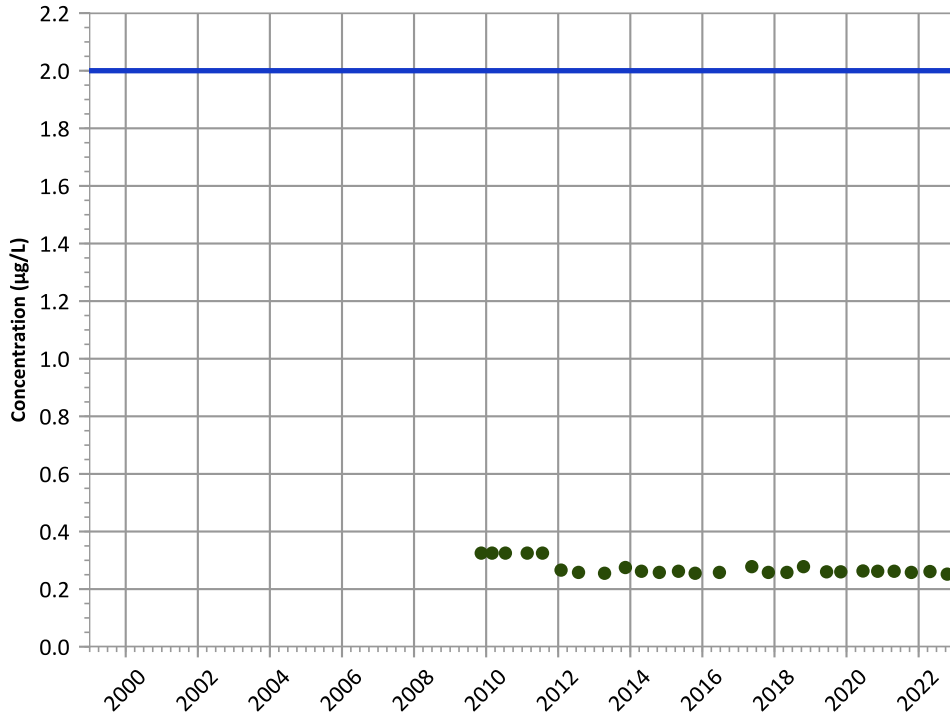
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

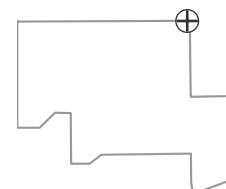
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

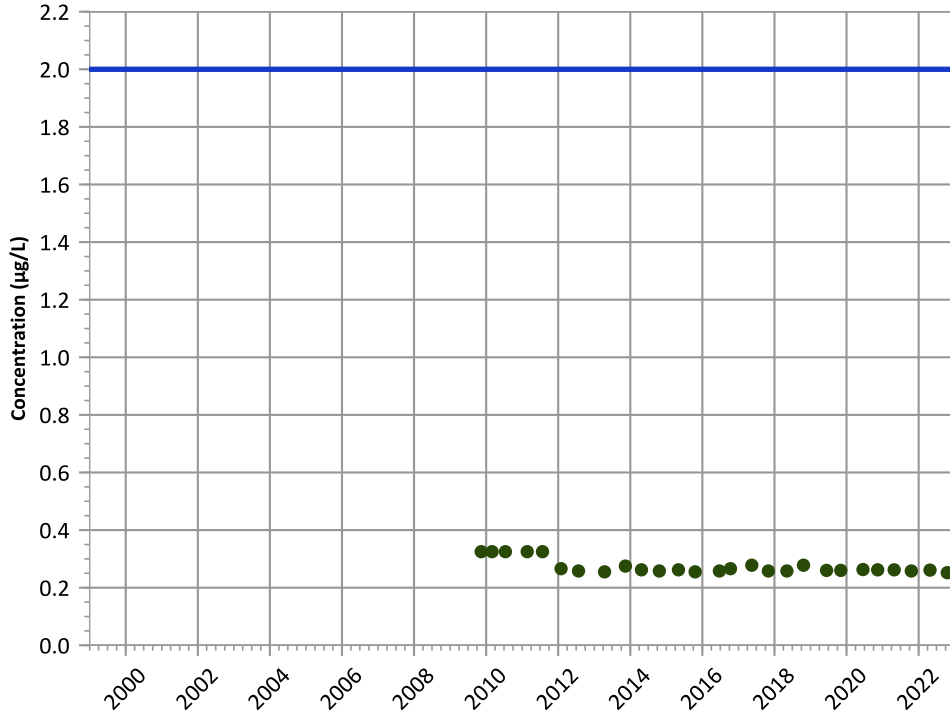
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

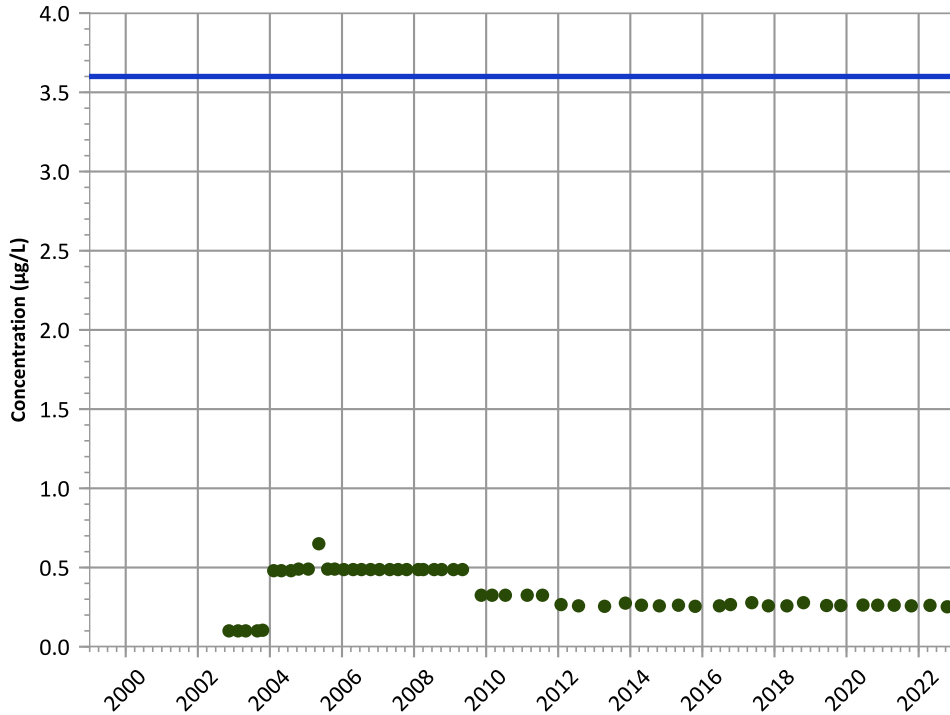
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

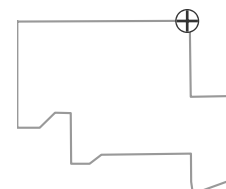
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

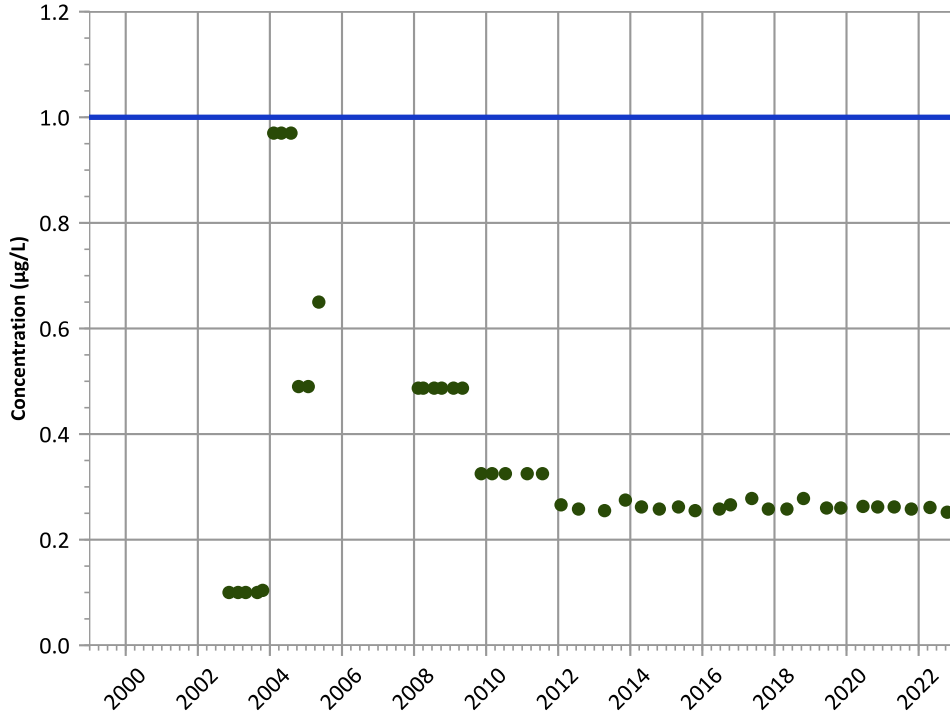
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

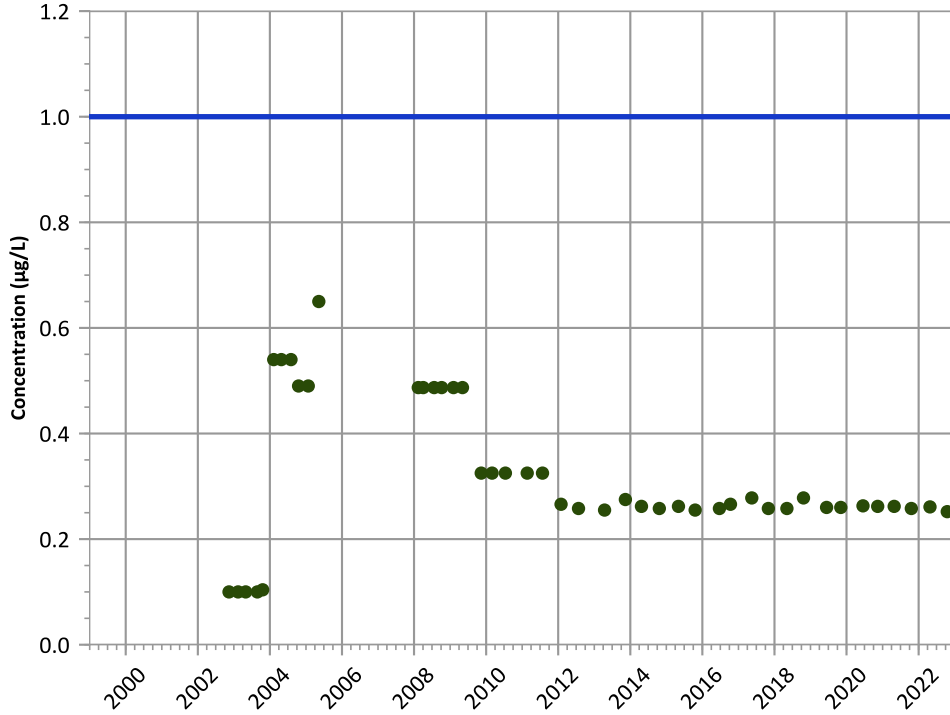
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

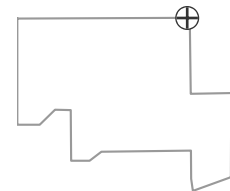
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

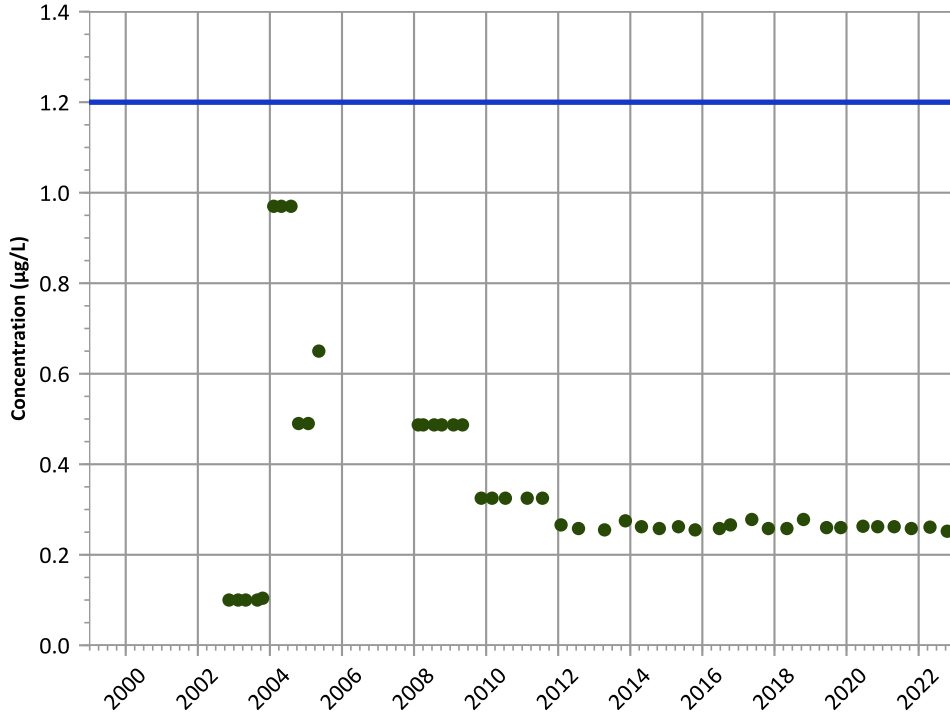
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

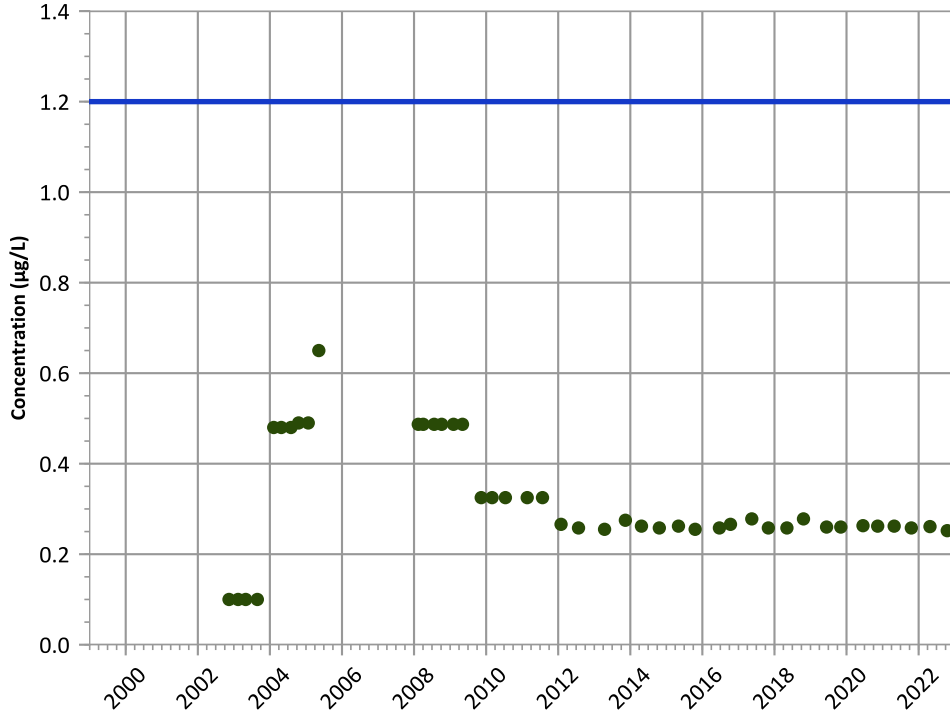
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

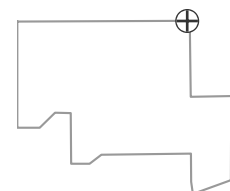
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

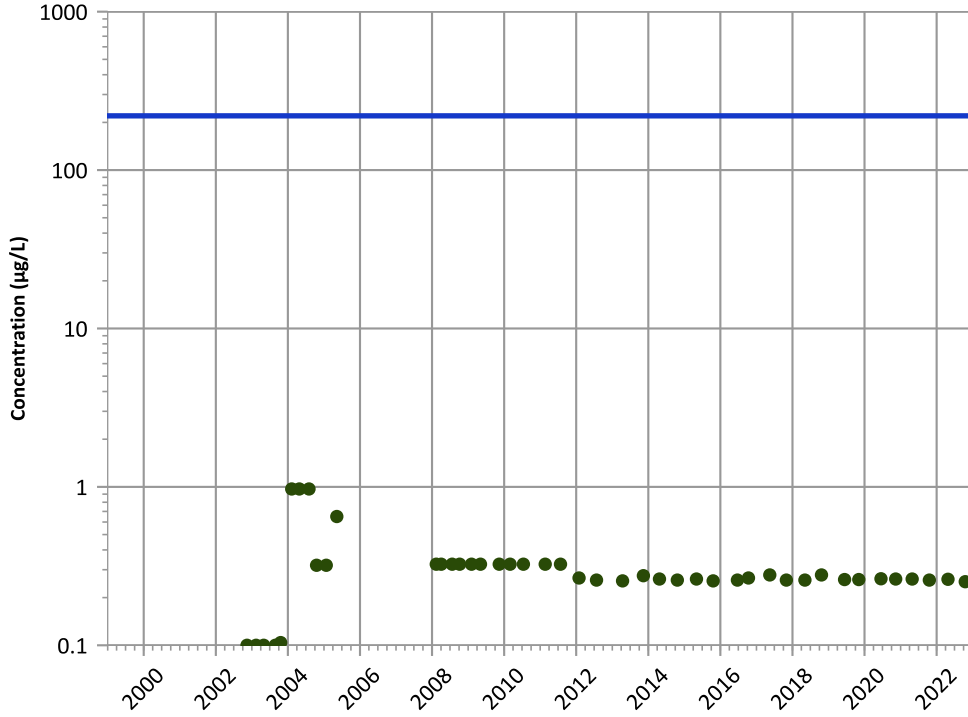
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

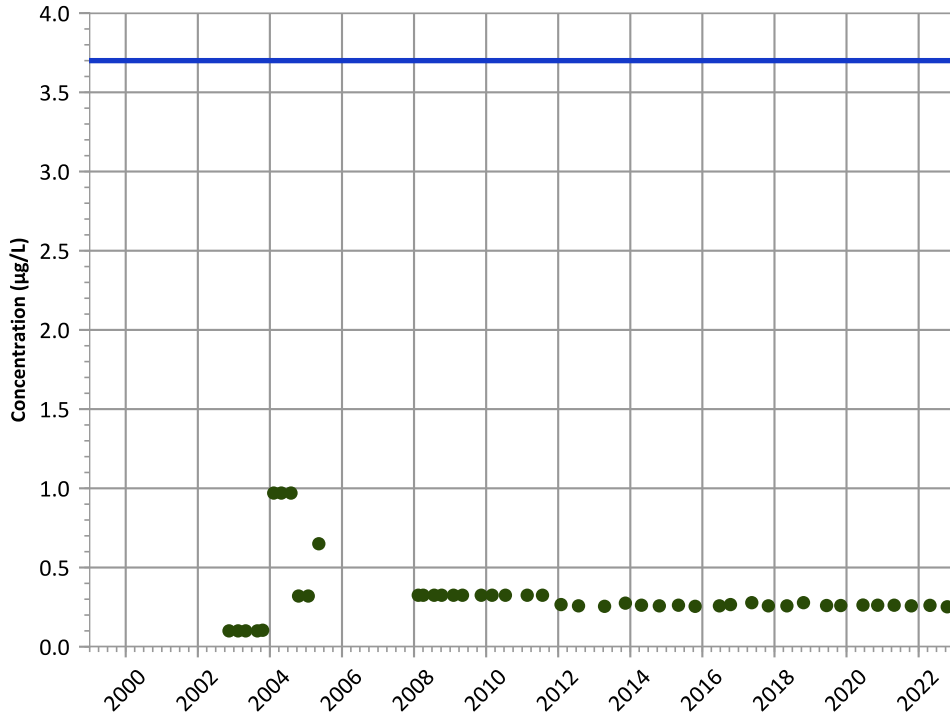
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

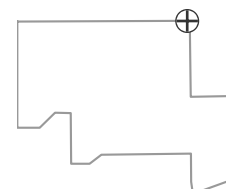
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

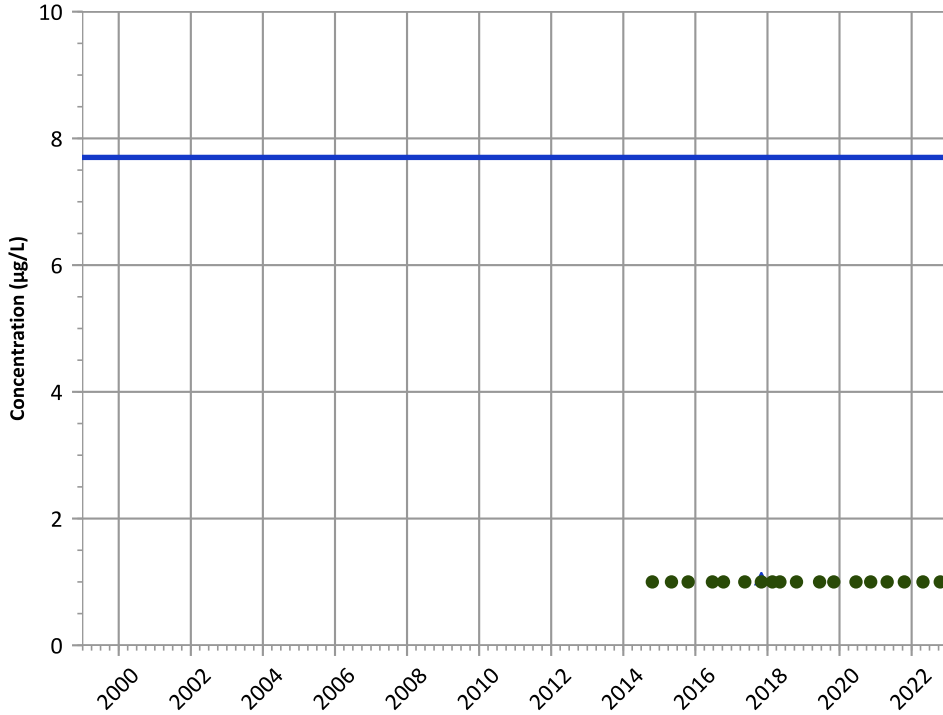
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

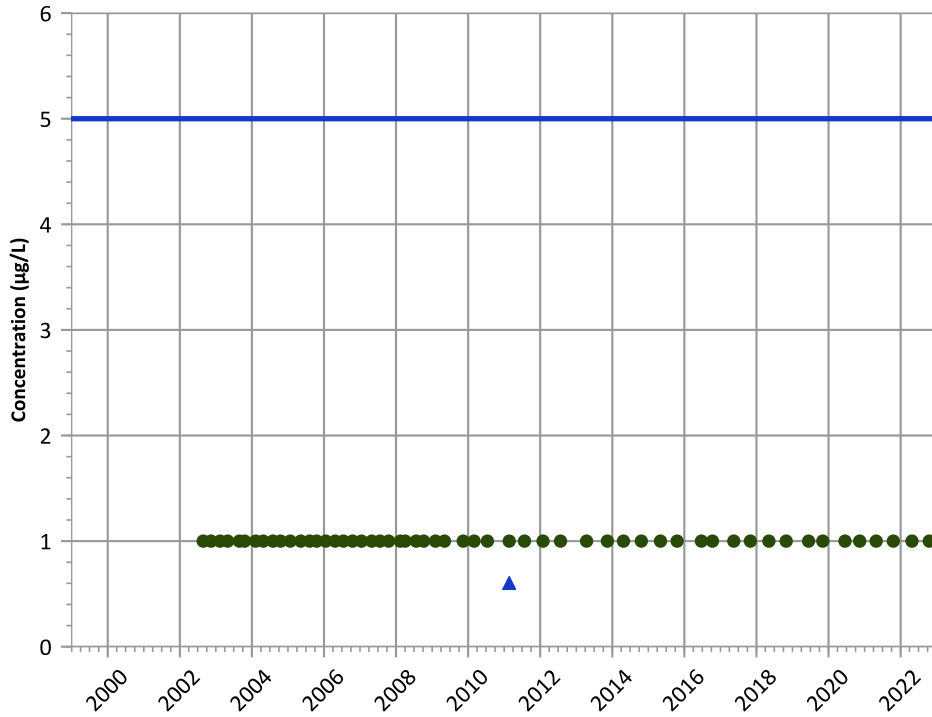
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

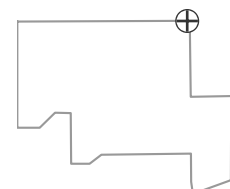
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location



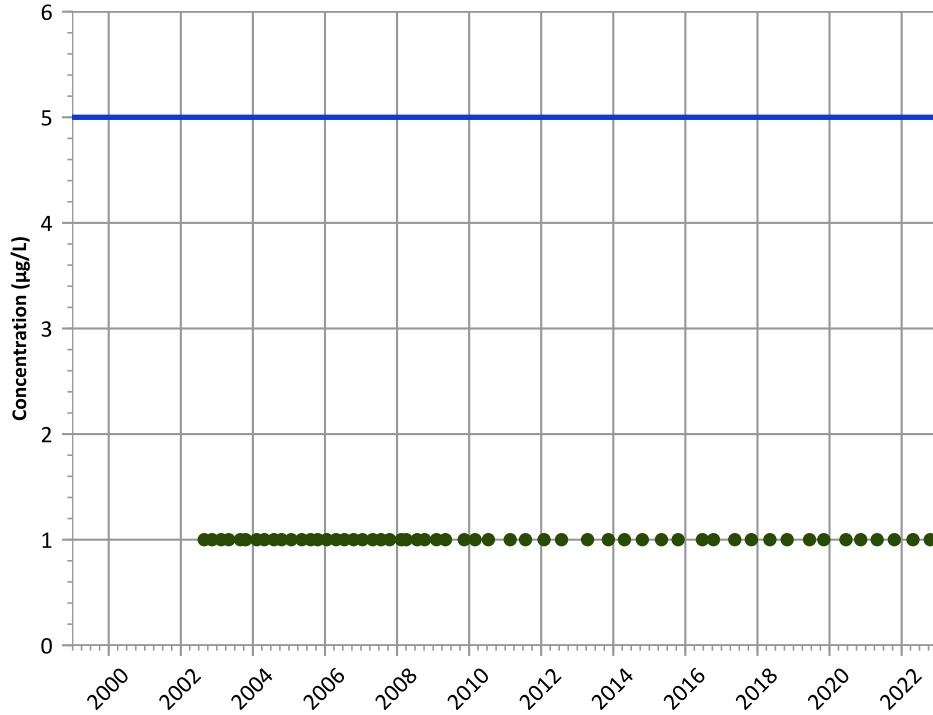
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

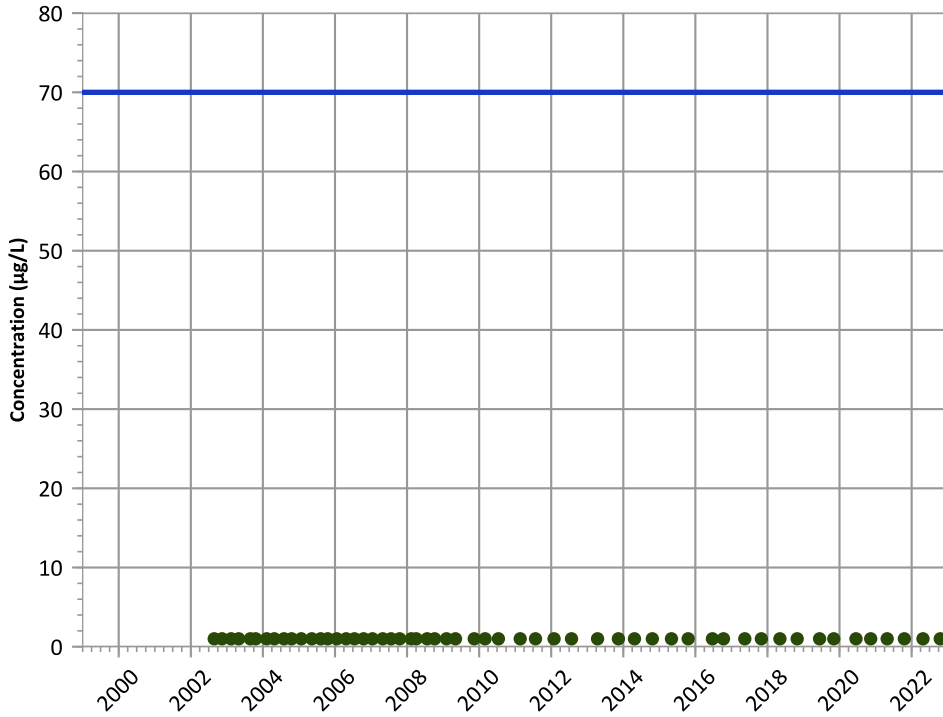
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

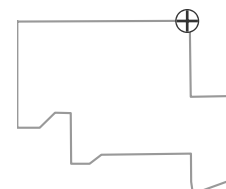
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

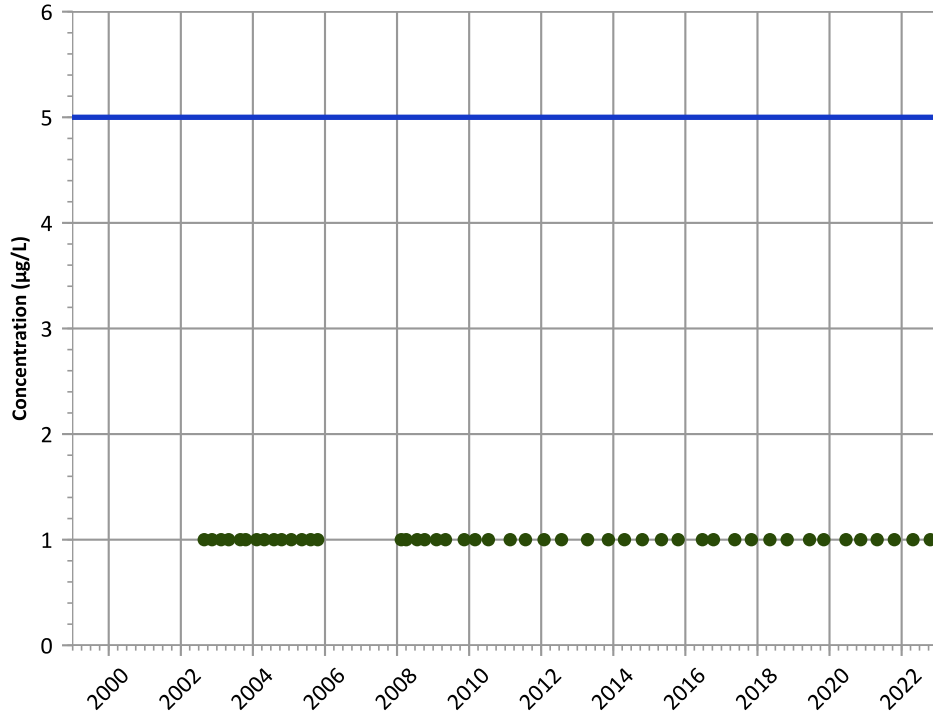
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

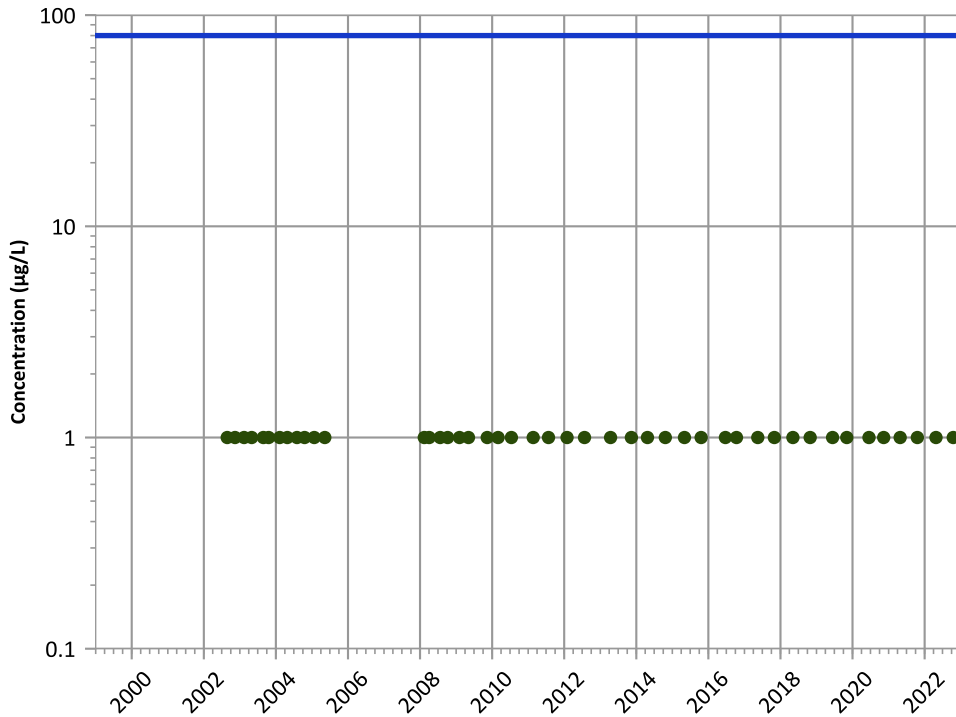
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

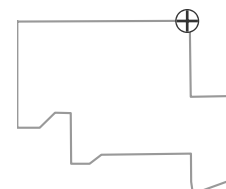
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

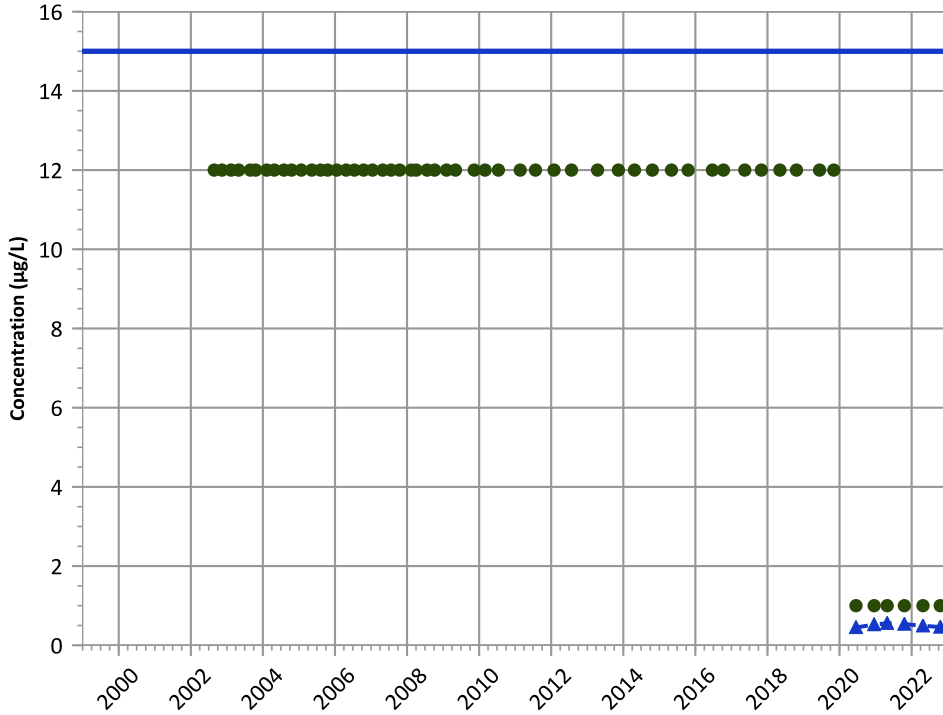
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing

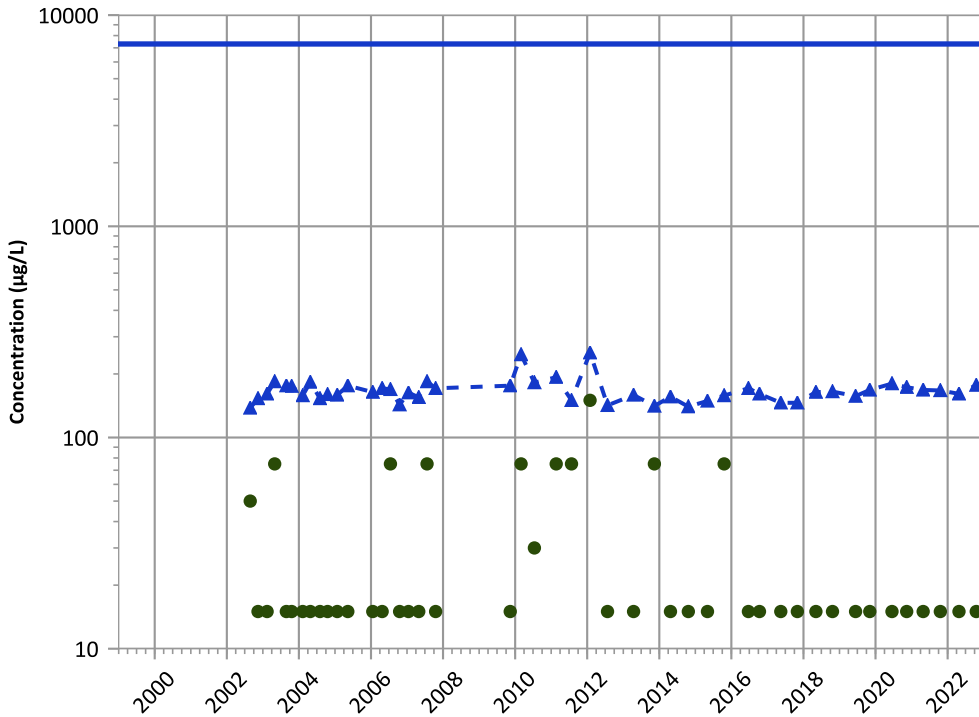
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**

All Data:  
Stable

2020 - 2022 Data:  
Decreasing

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Increasing

2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**

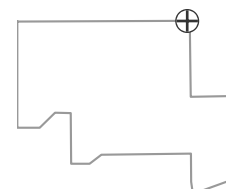
All Data:  
Decreasing

2020 - 2022 Data:  
No Trend

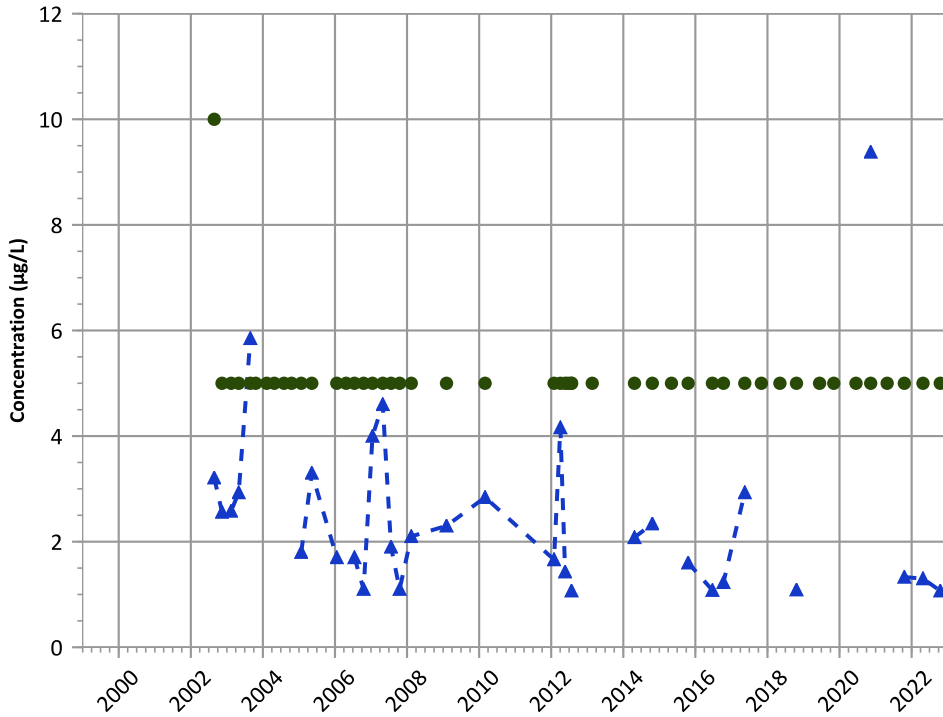
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Manganese Trend**



**Concentration Trend**

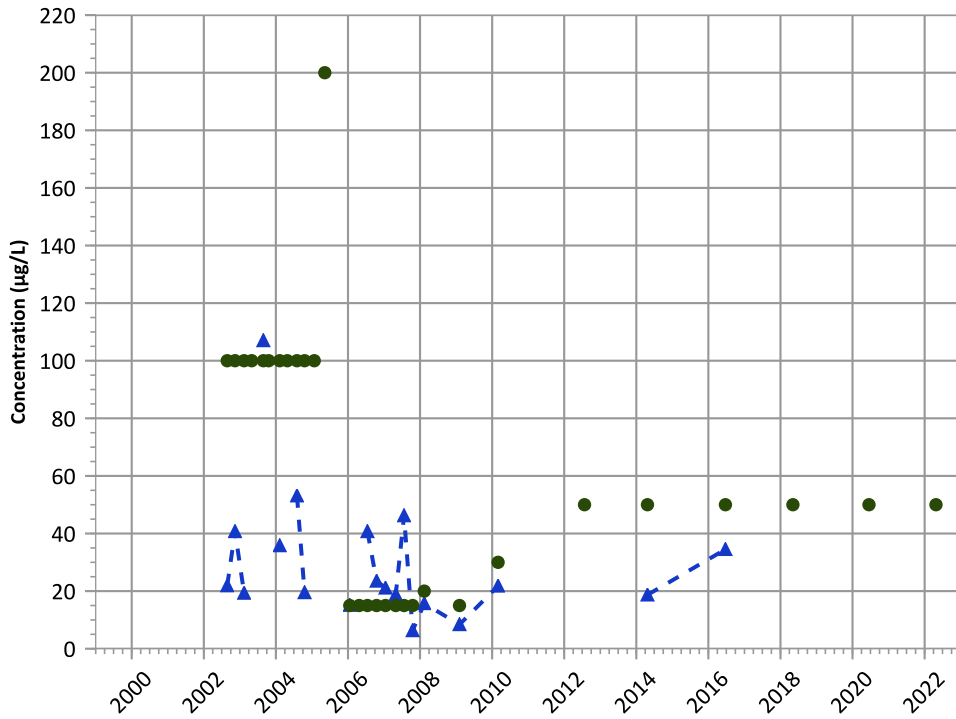
**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data: Decreasing  
2020 - 2022 Data: Probably Decreasing

**Aluminum Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

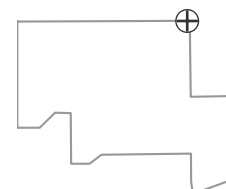
**MAROS Linear Regression Method**

All Data: Stable  
2020 - 2022 Data: Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

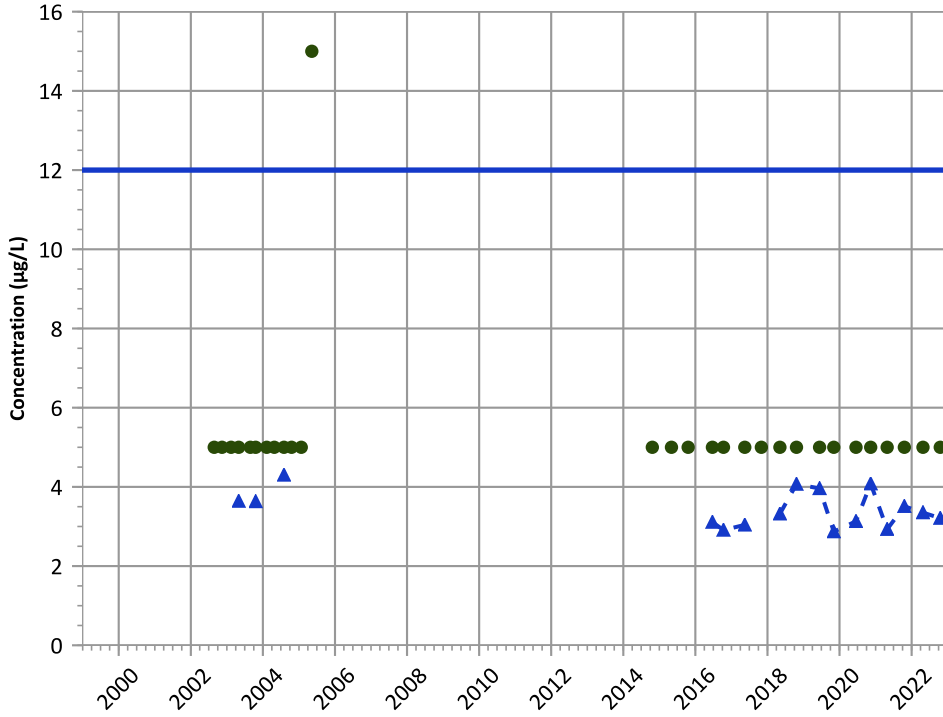
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

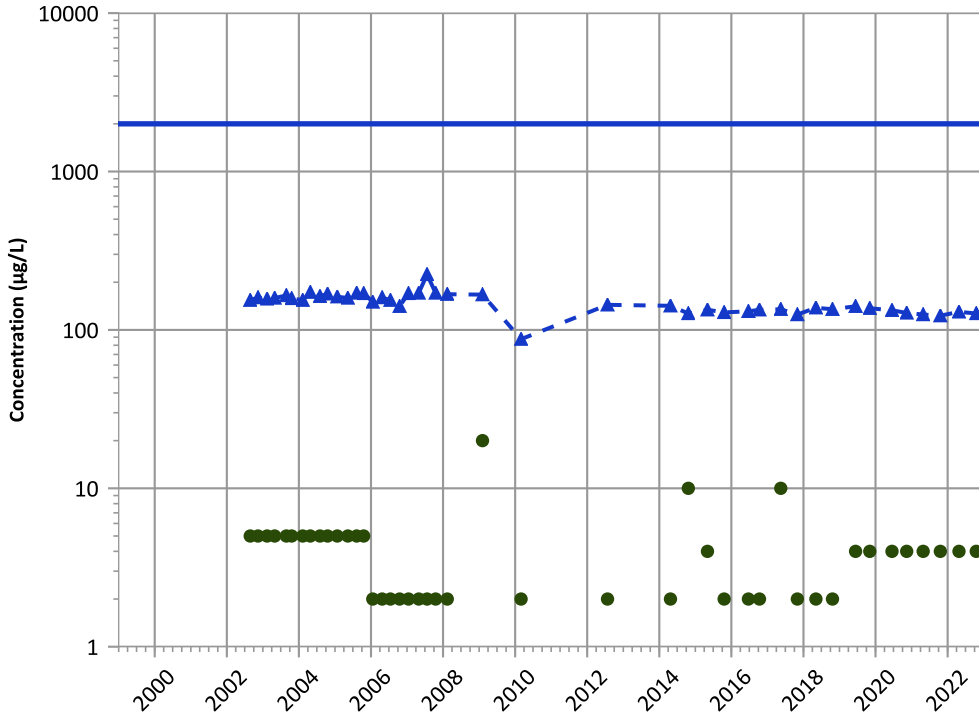
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method

All Data:  
Probably Decreasing  
2020 - 2022 Data:  
Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

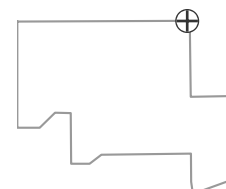
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

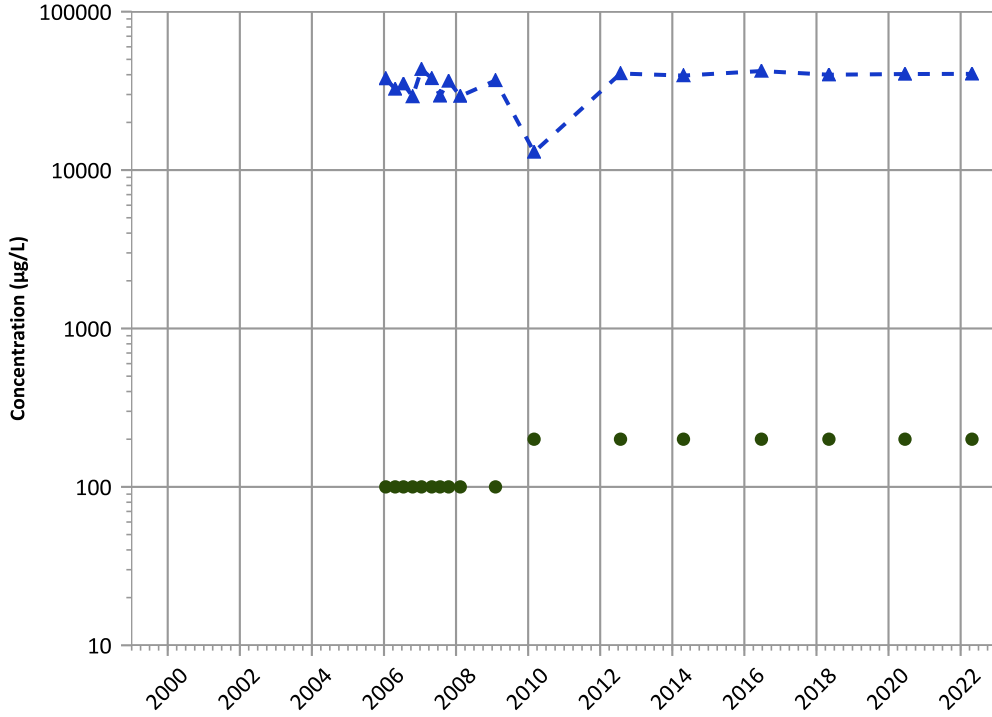
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

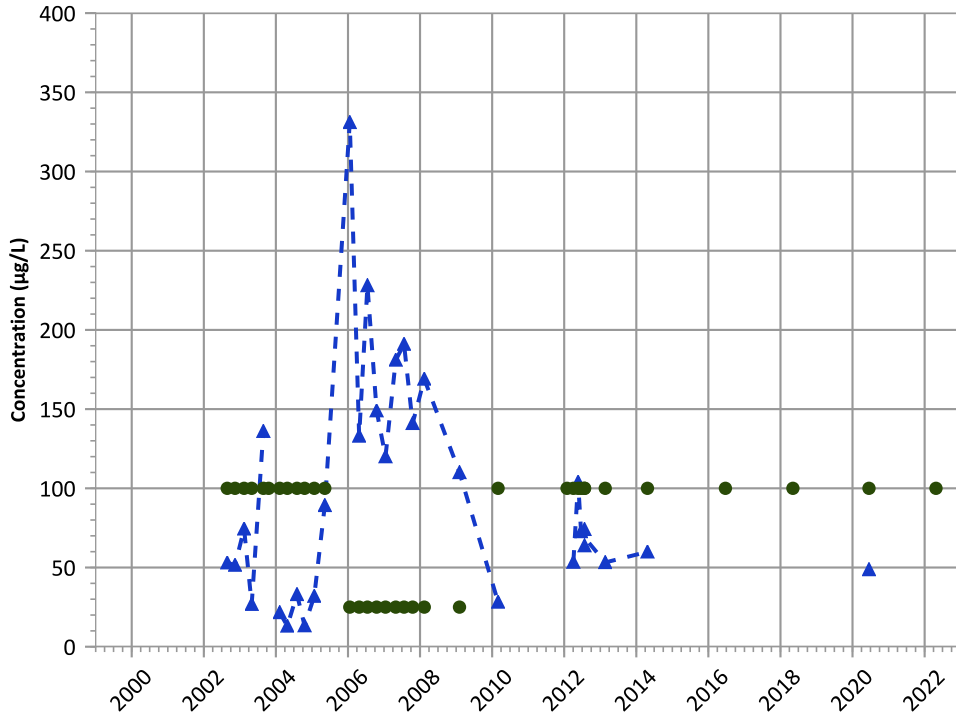
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

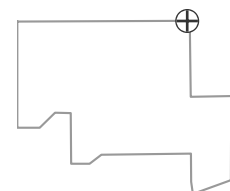
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

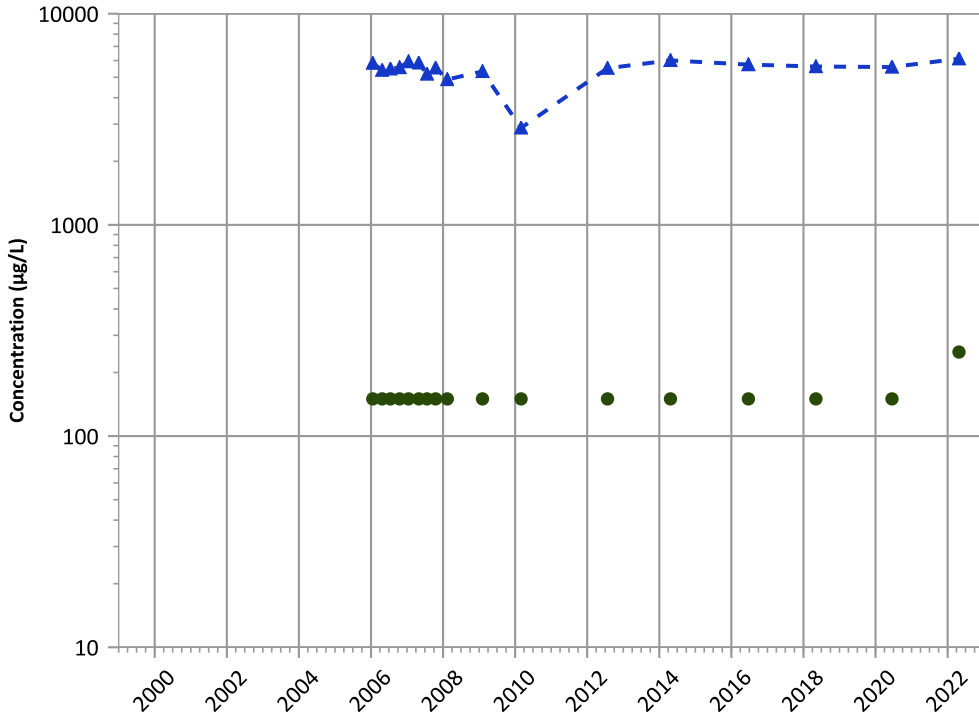
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

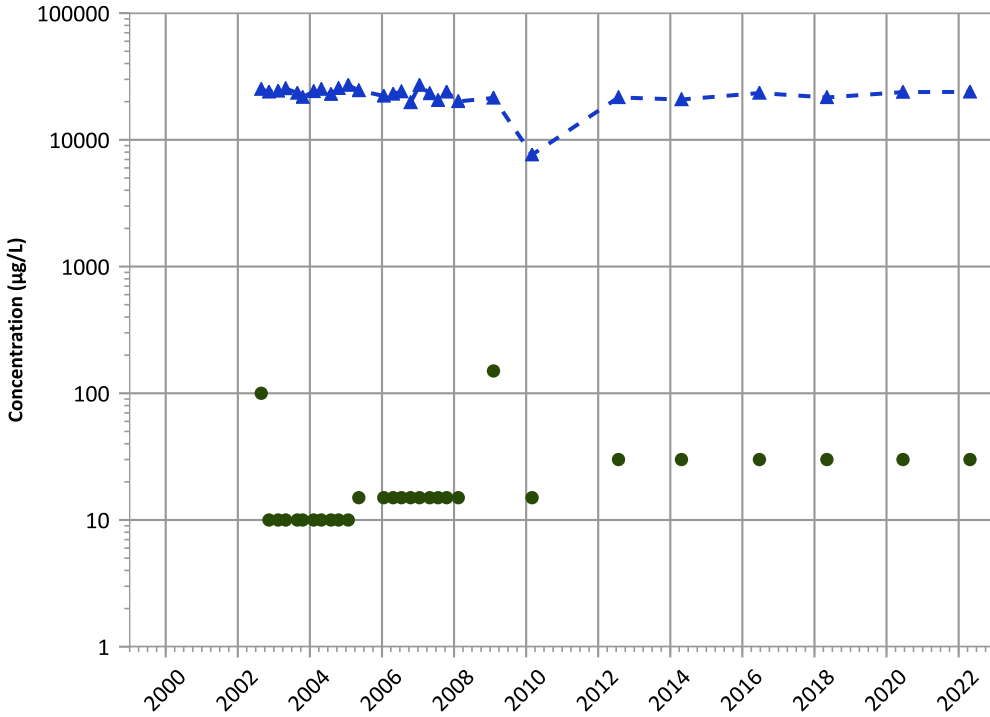
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

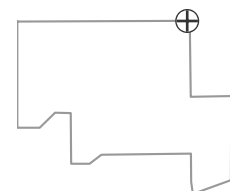
MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

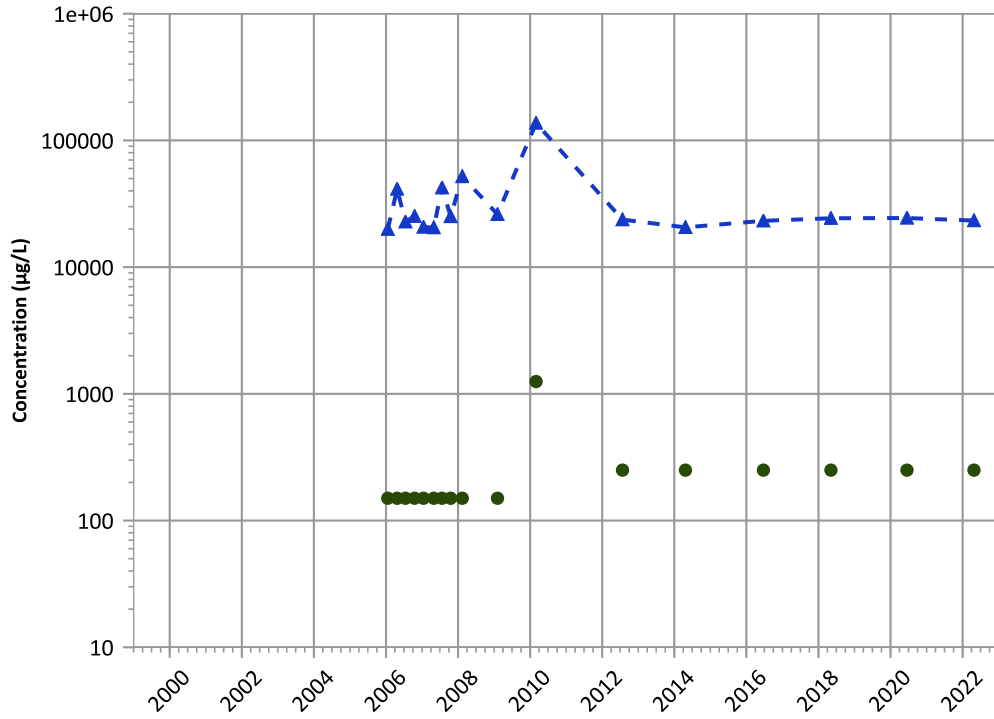
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
No Trend

2020 - 2022 Data:  
No Trend

No Trend

MAROS Linear Regression Method

All Data:  
Stable

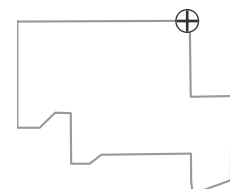
2020 - 2022 Data:  
No Trend

No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 08/26/2002 to 10/18/2022  
Analysis Date: 04/11/2023

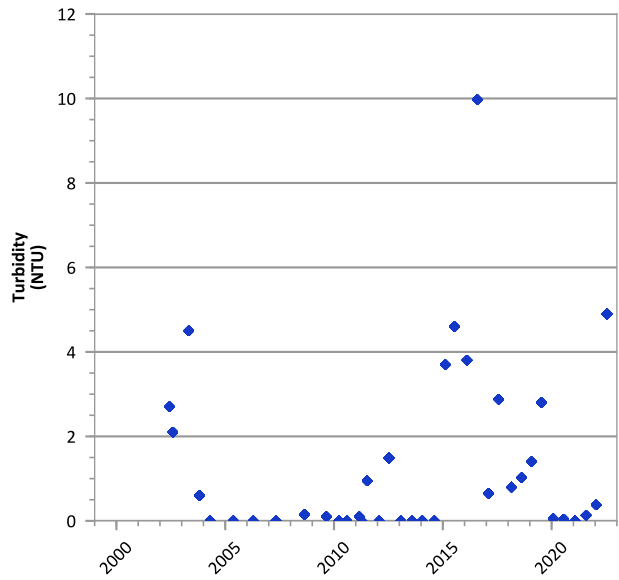
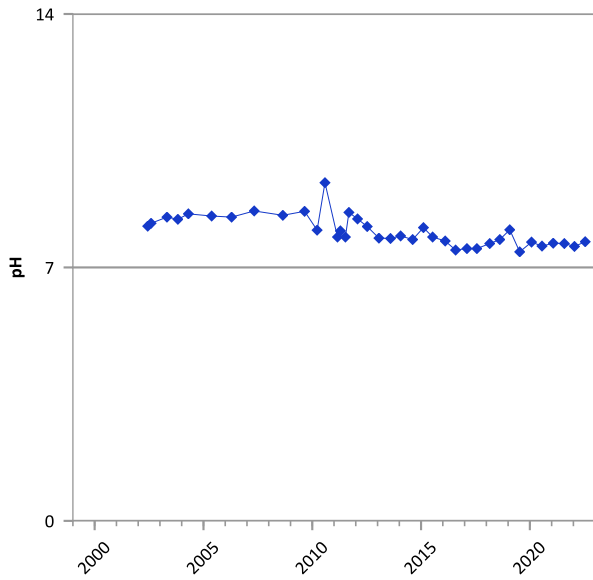
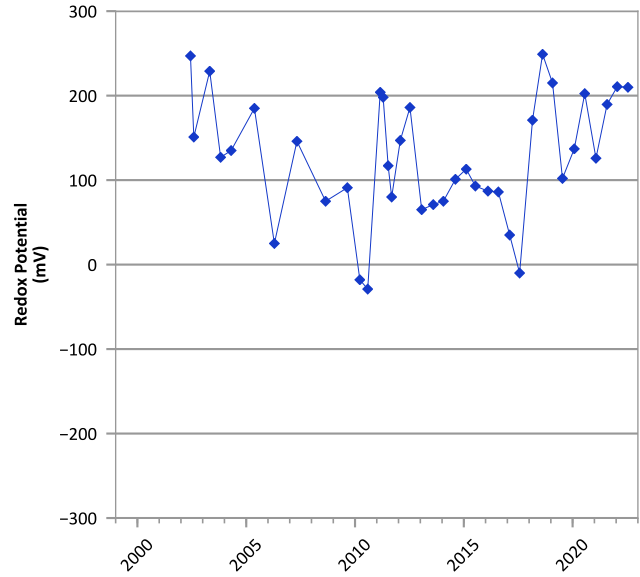
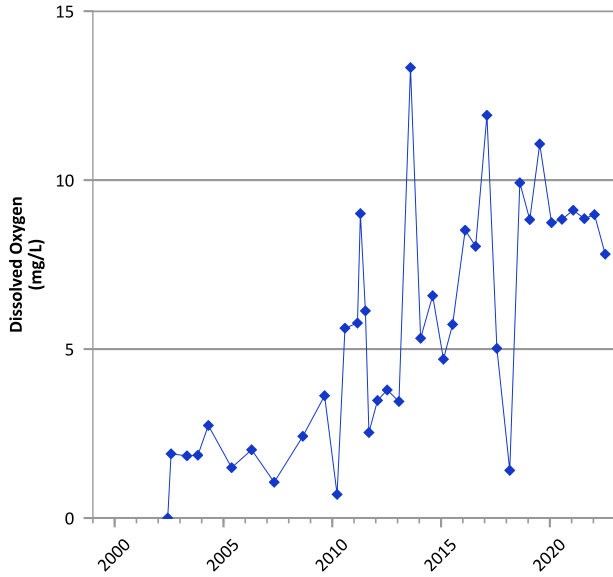
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



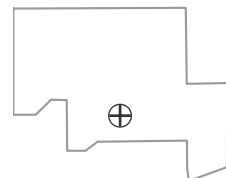


**PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



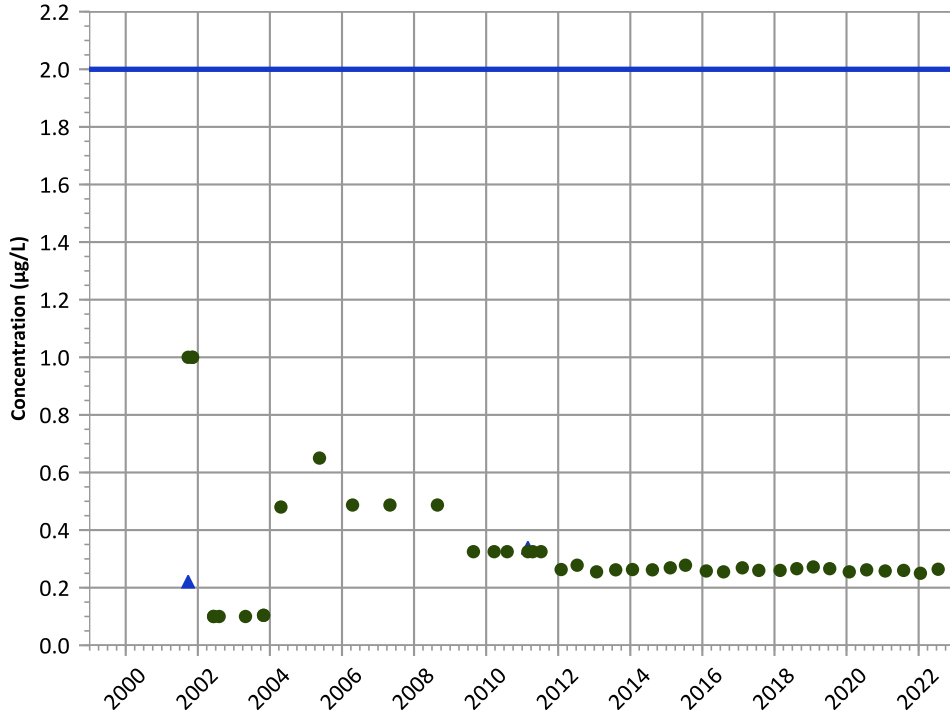
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/25/2001 to 07/18/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

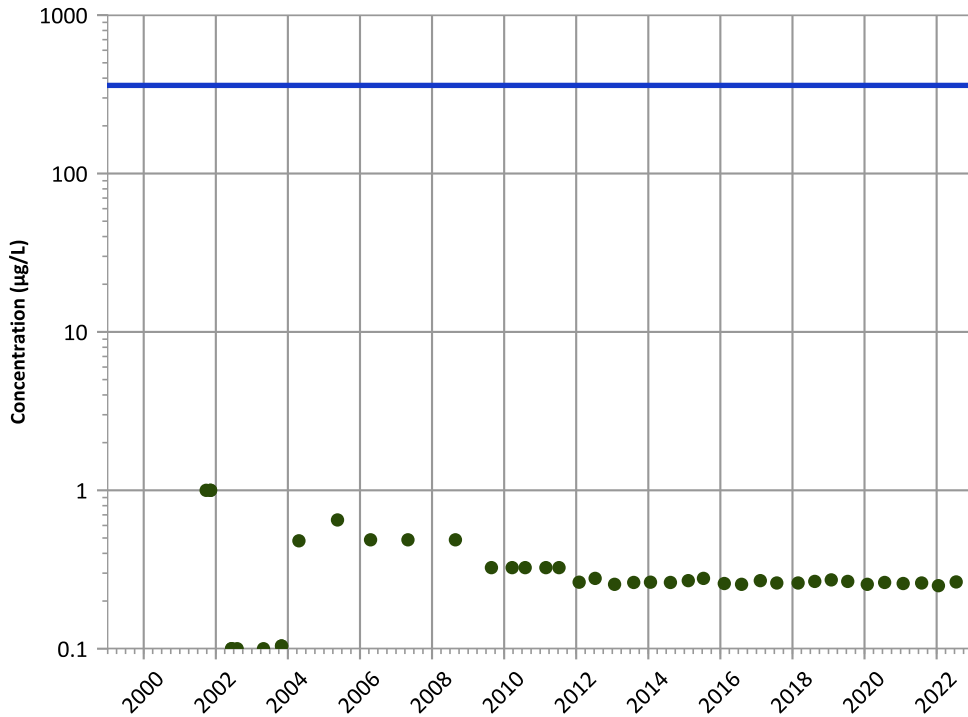


Concentration Trend

MAROS Mann-Kendall Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

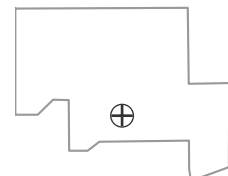
MAROS Mann-Kendall Method  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

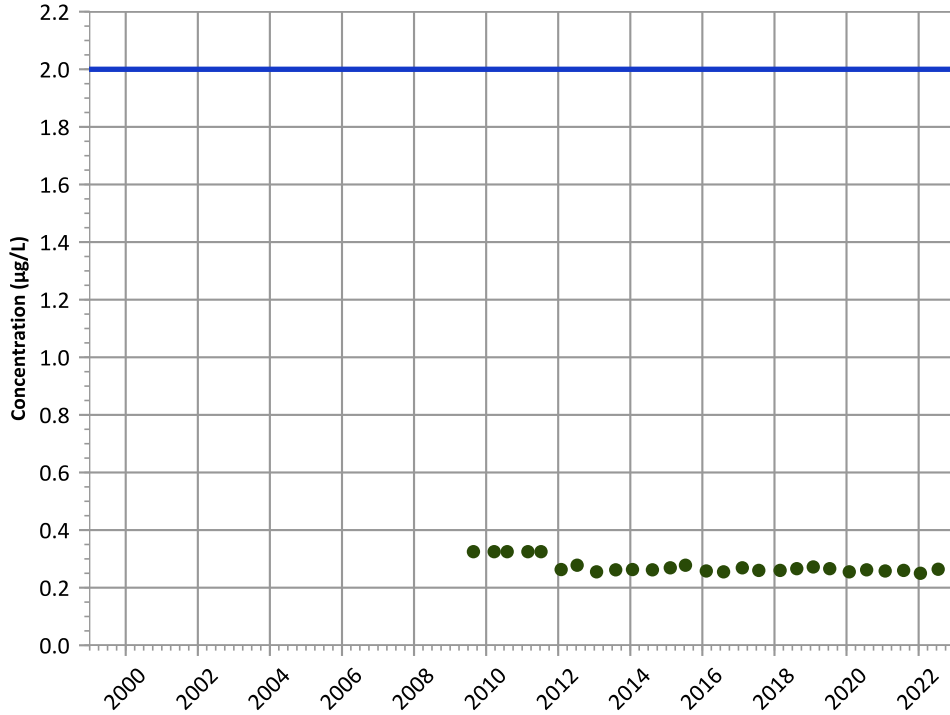
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

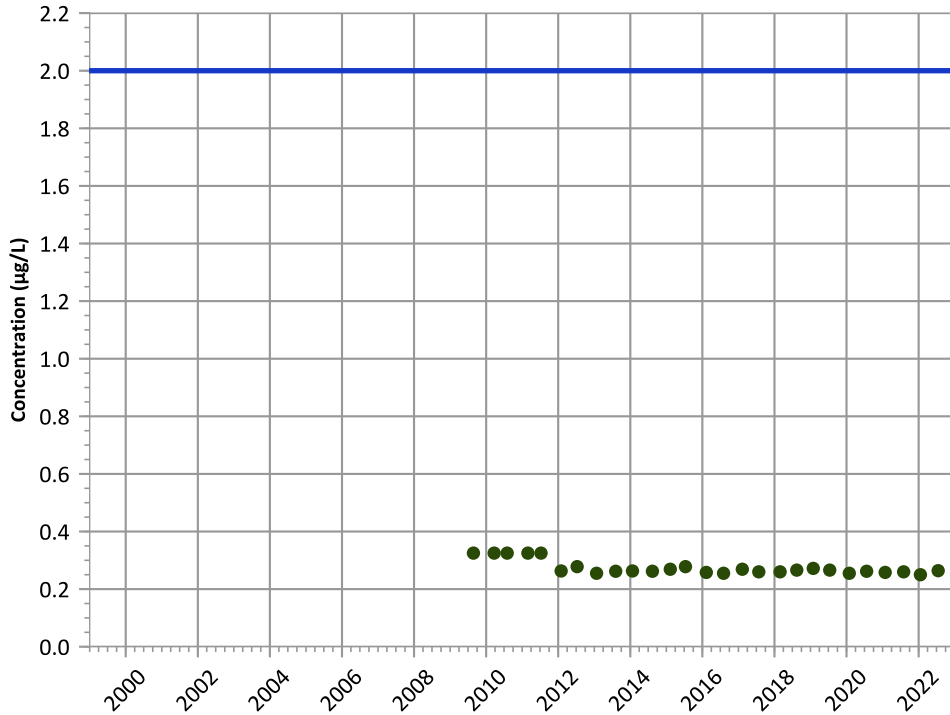
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

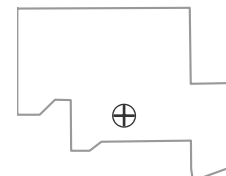
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

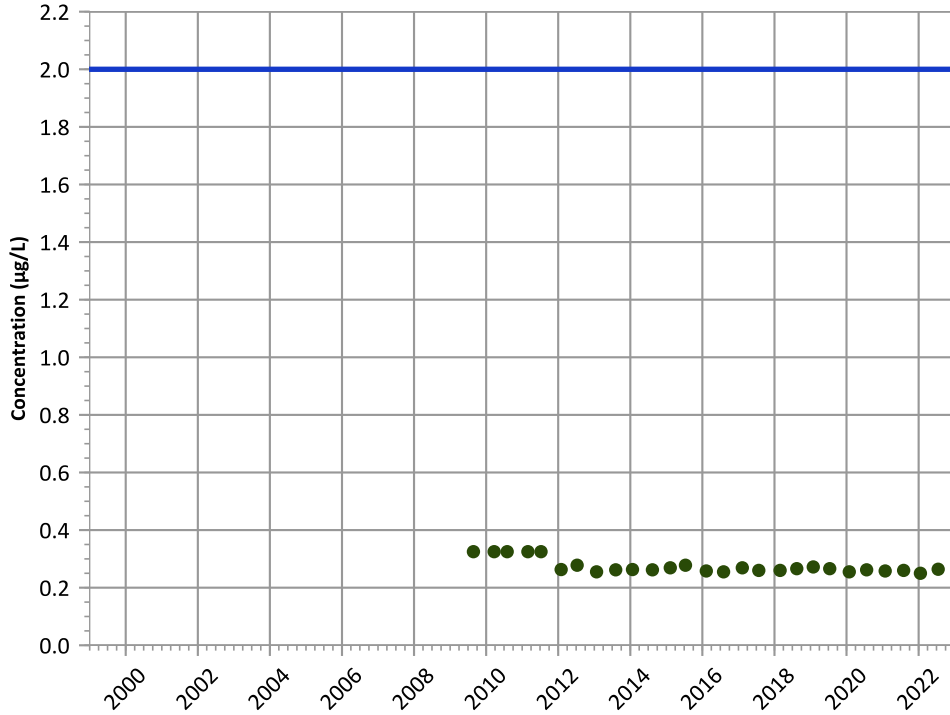
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

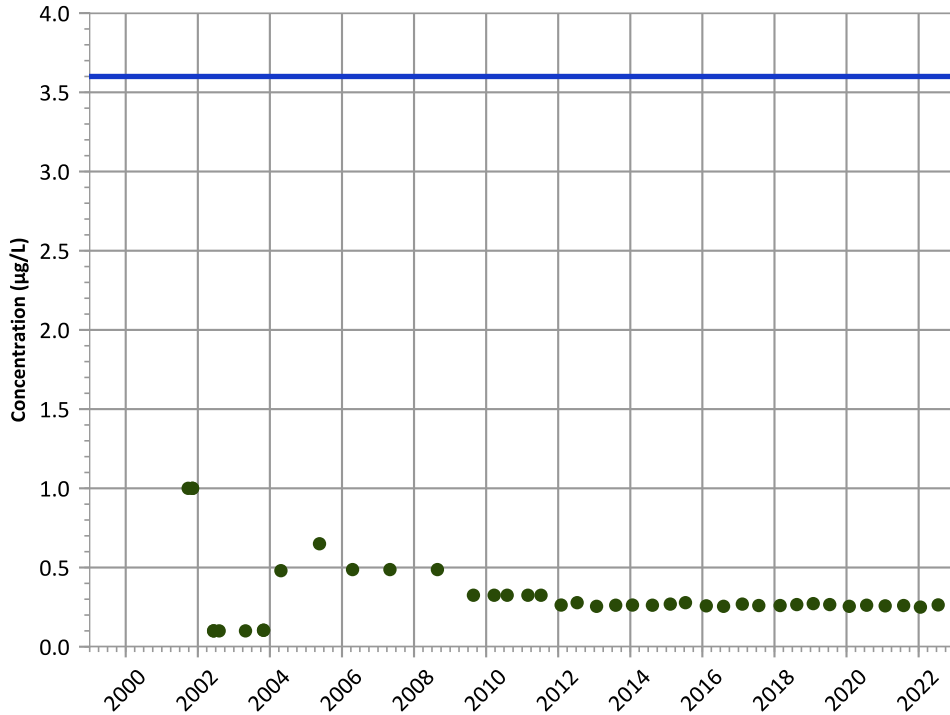
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

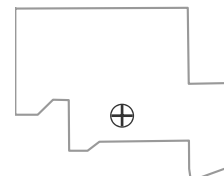
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

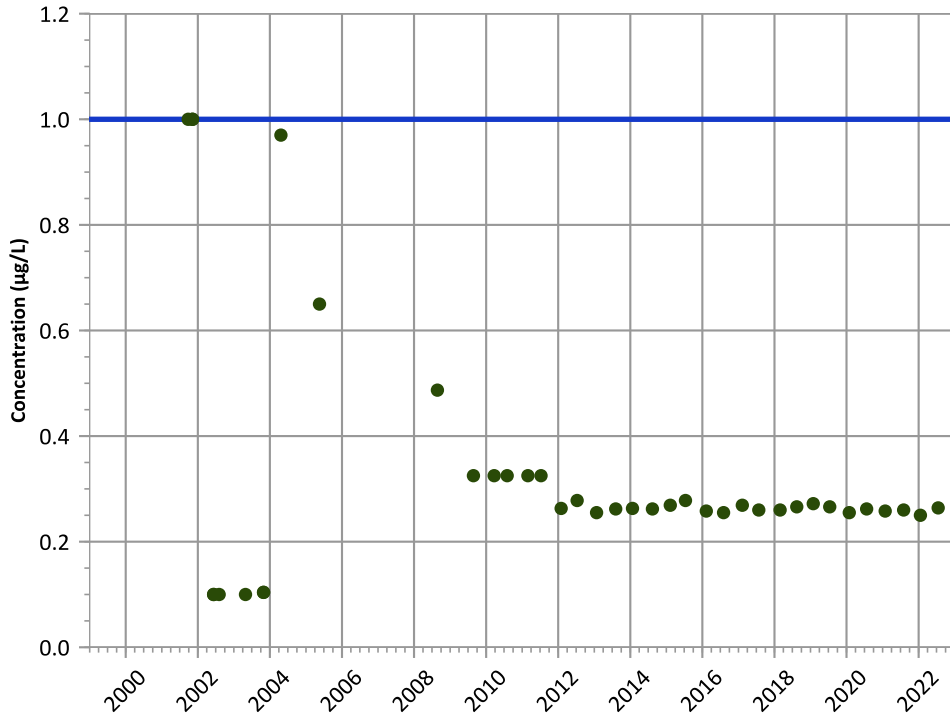
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

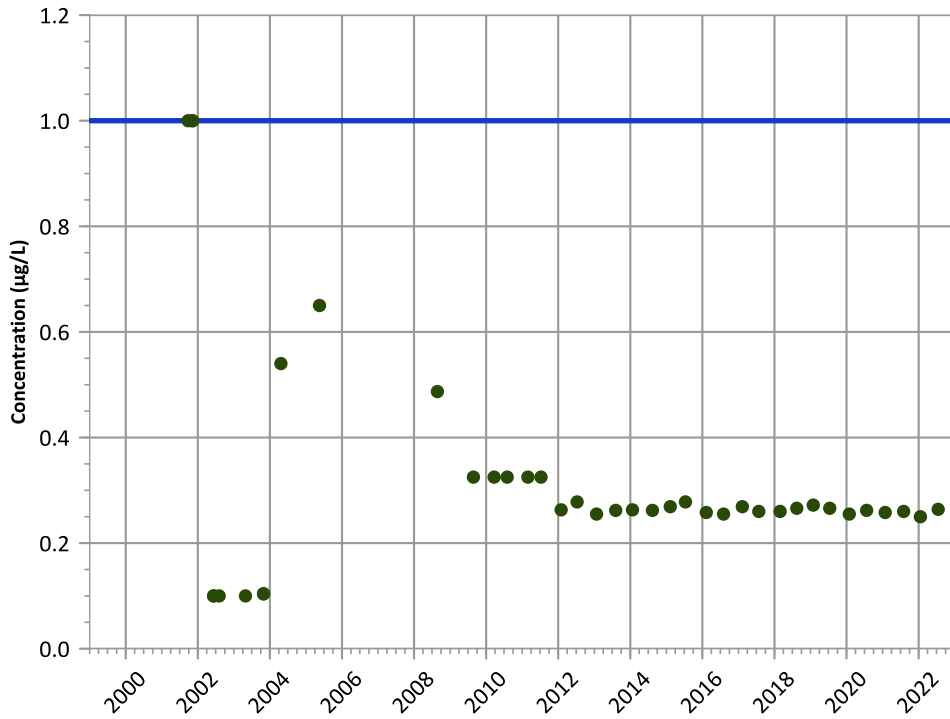
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

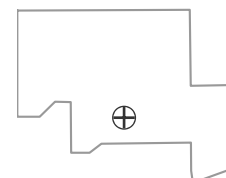
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

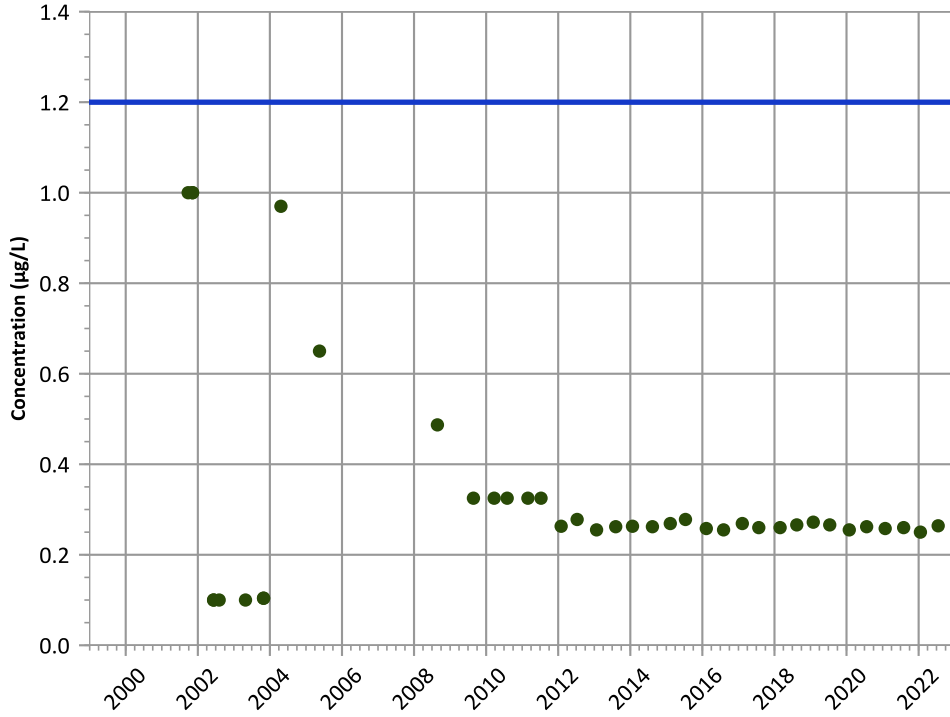


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

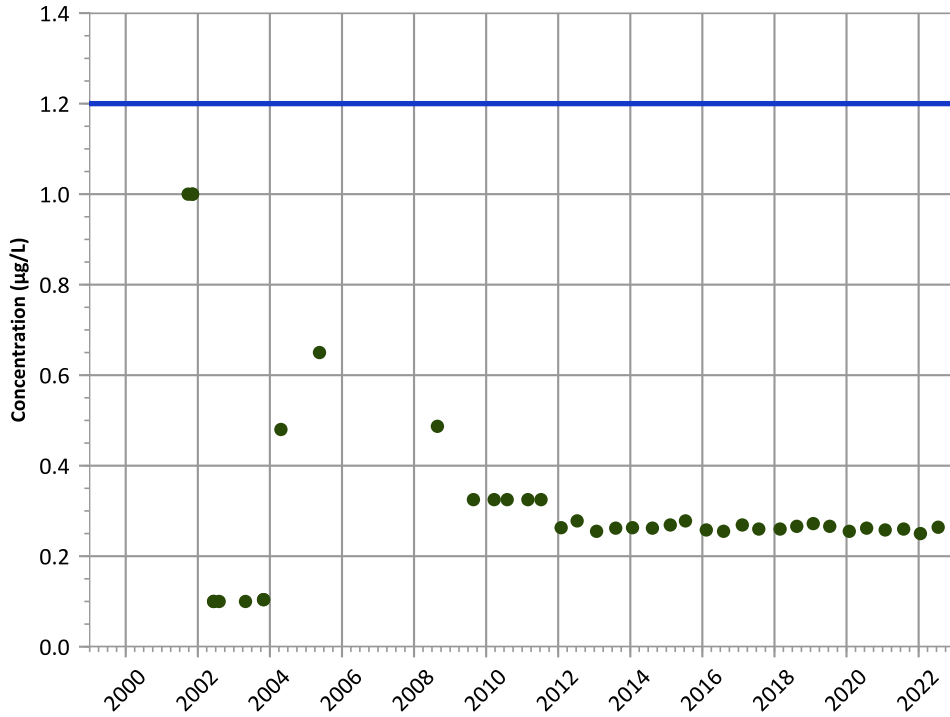
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

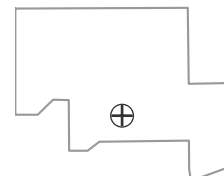
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

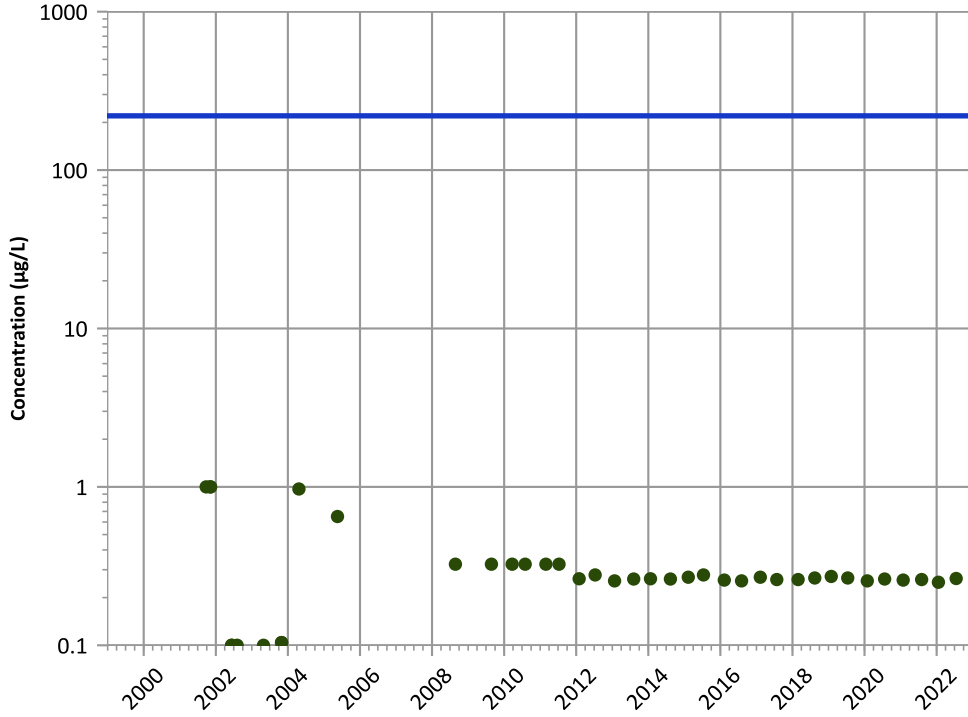
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

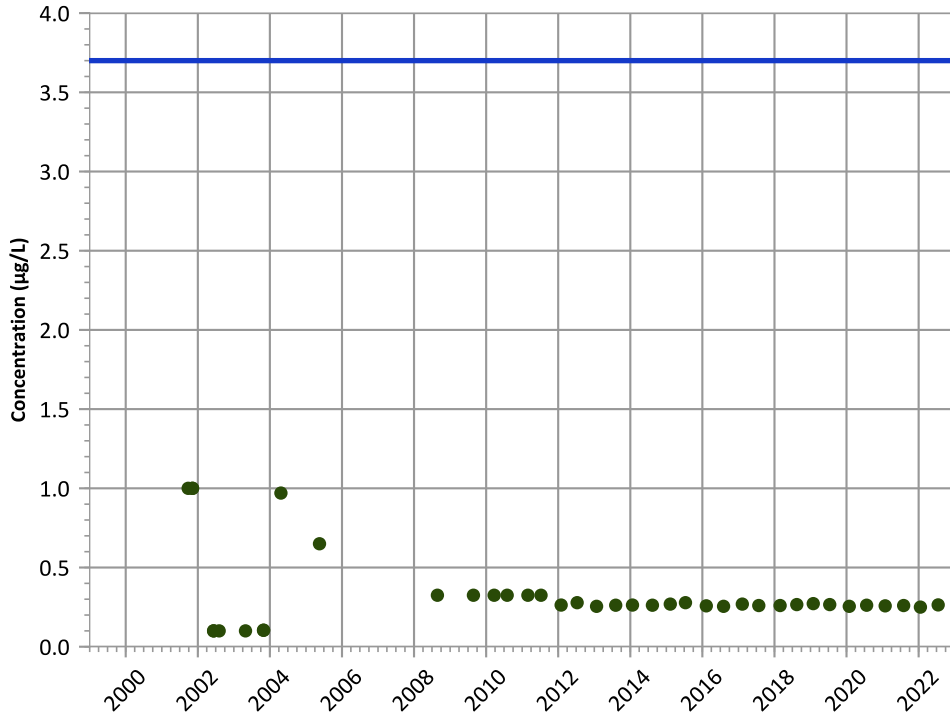
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

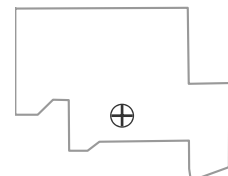
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

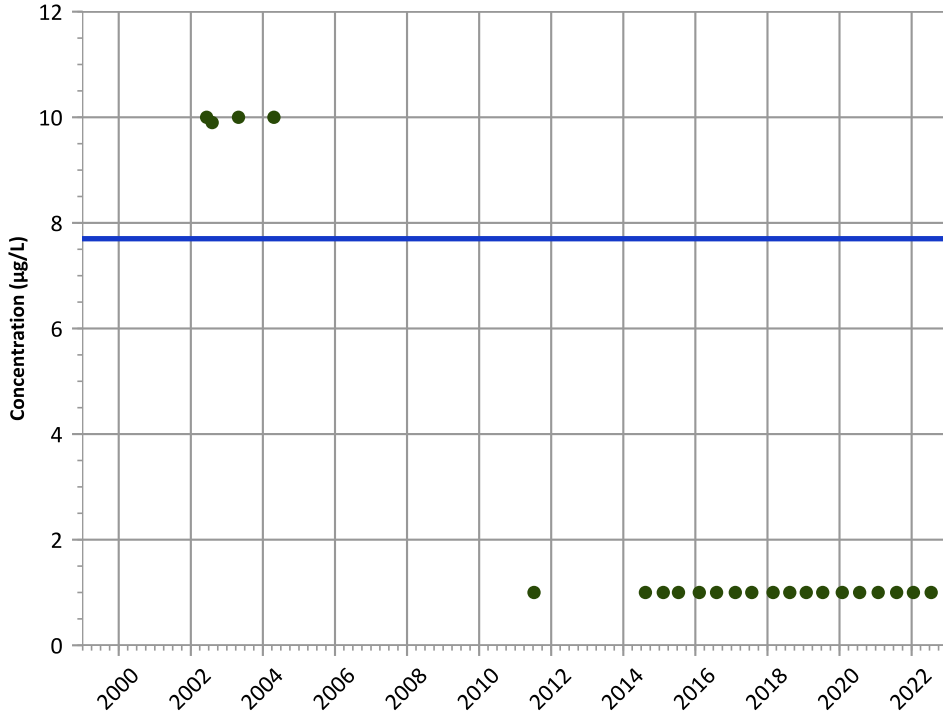
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

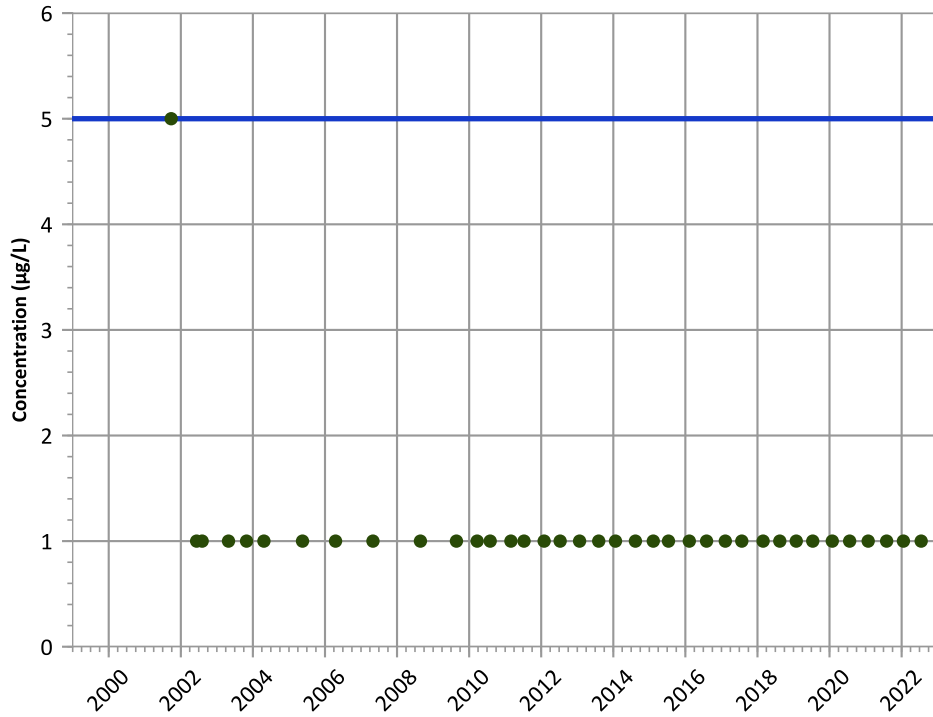
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

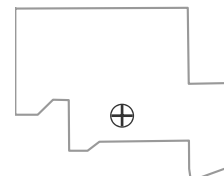
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

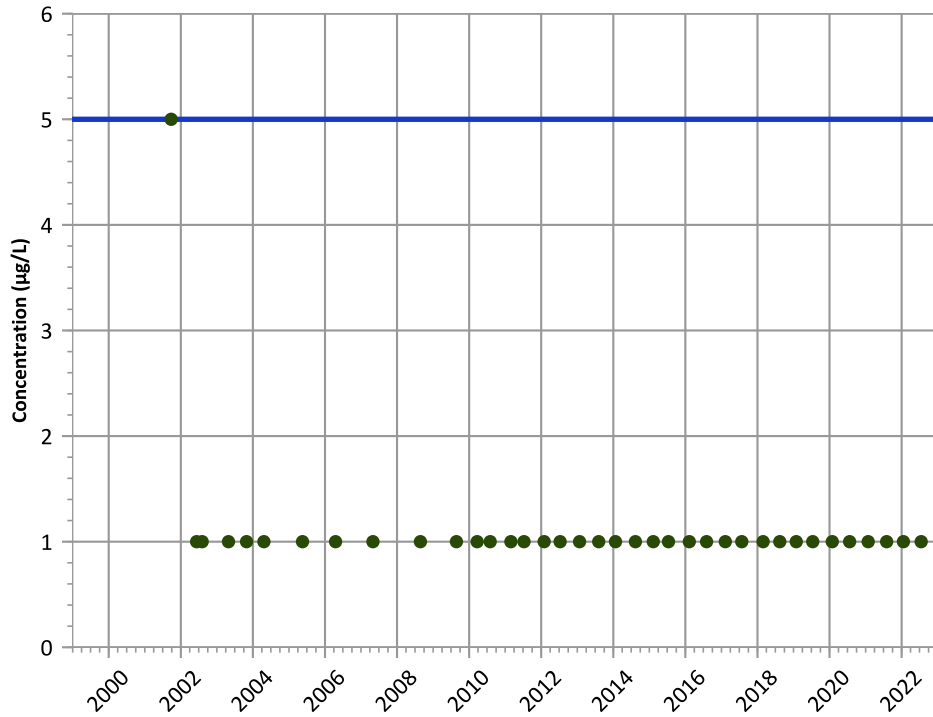
Well Location





PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

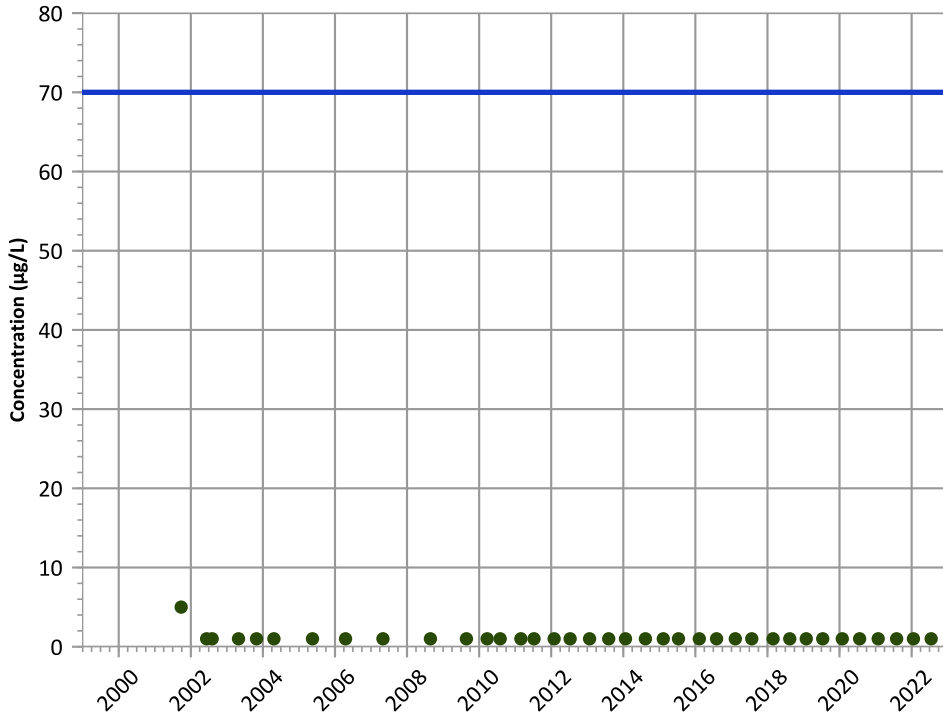
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

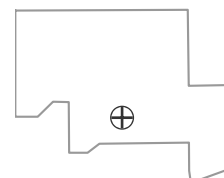
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

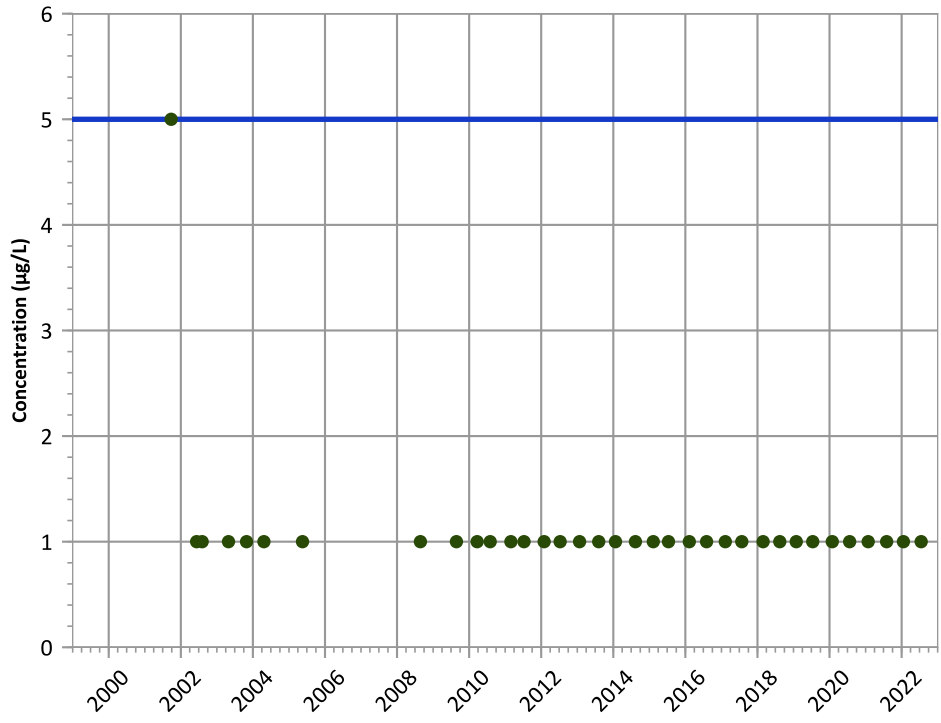
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

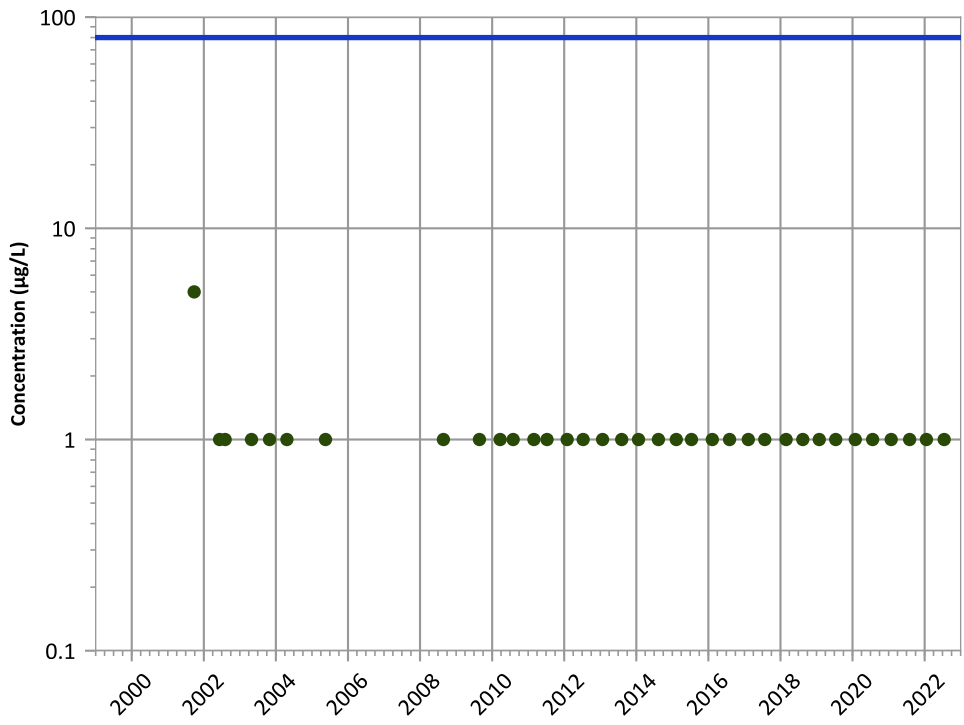
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

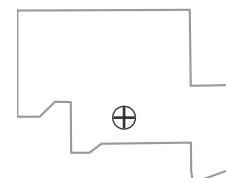
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

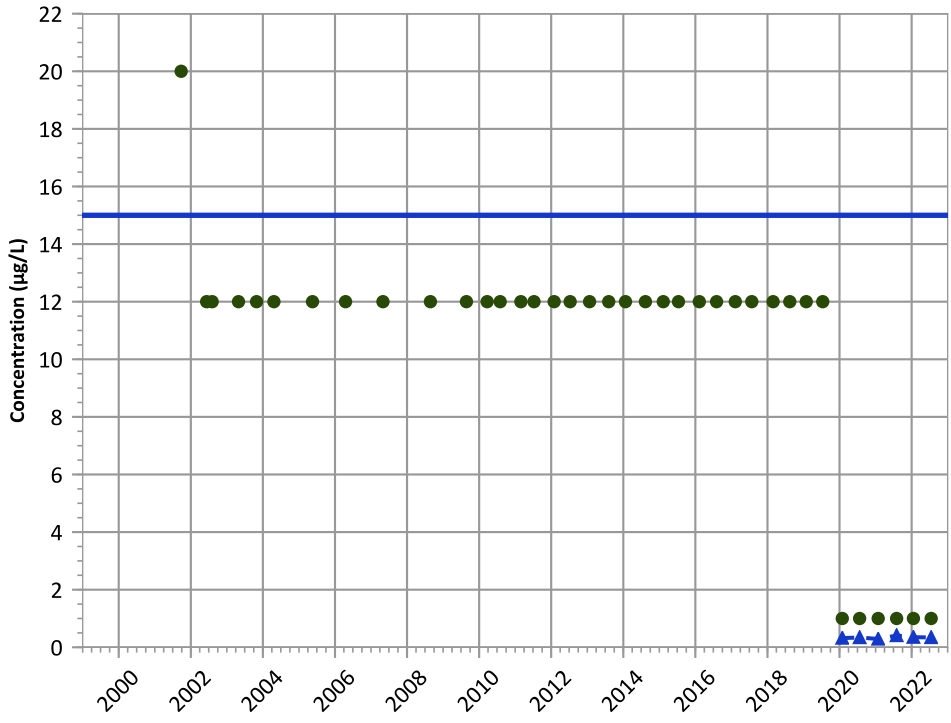
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

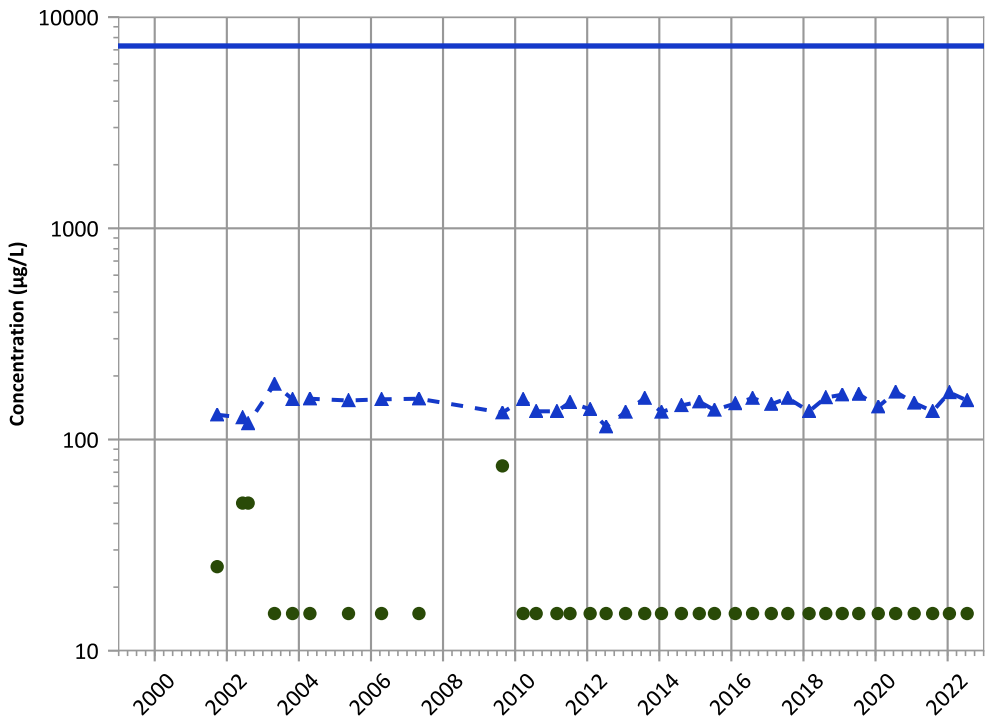
**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

**Boron Trend**



**Concentration Trend**

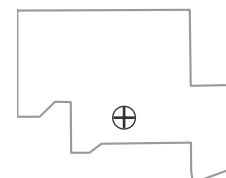
**MAROS Mann-Kendall Method**

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

**Well Location**

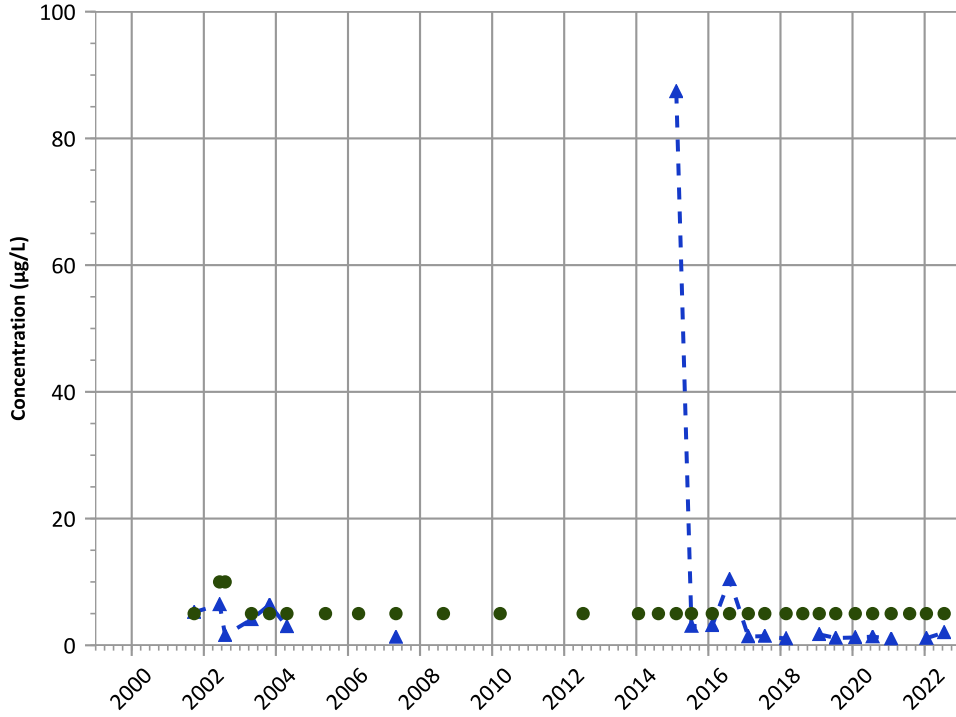


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

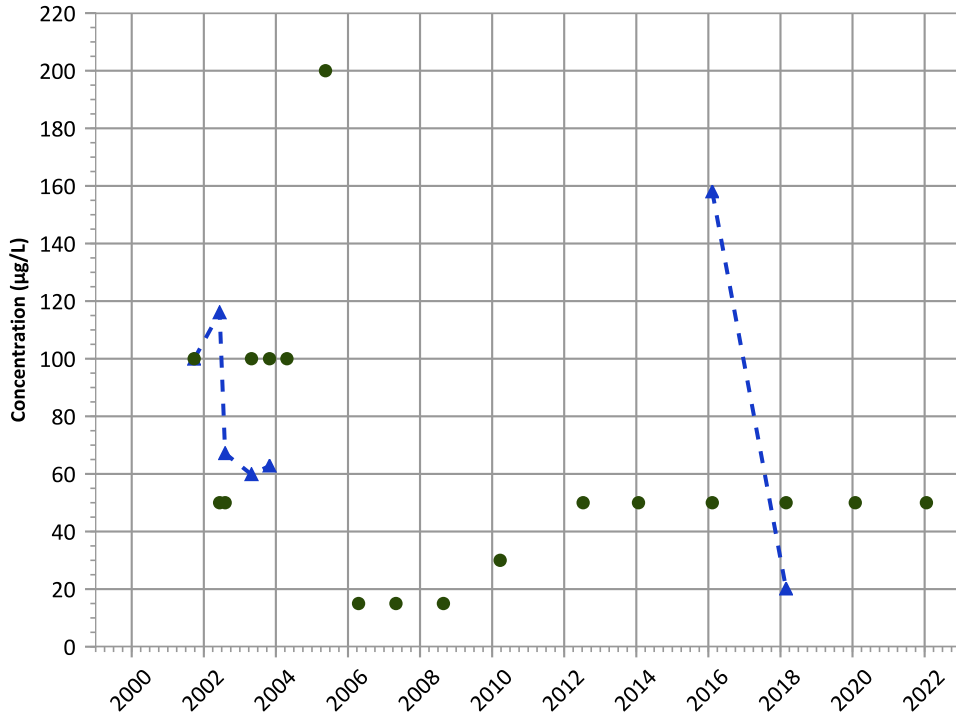
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: No Trend

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

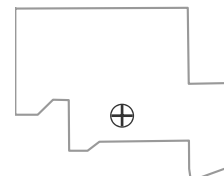
MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

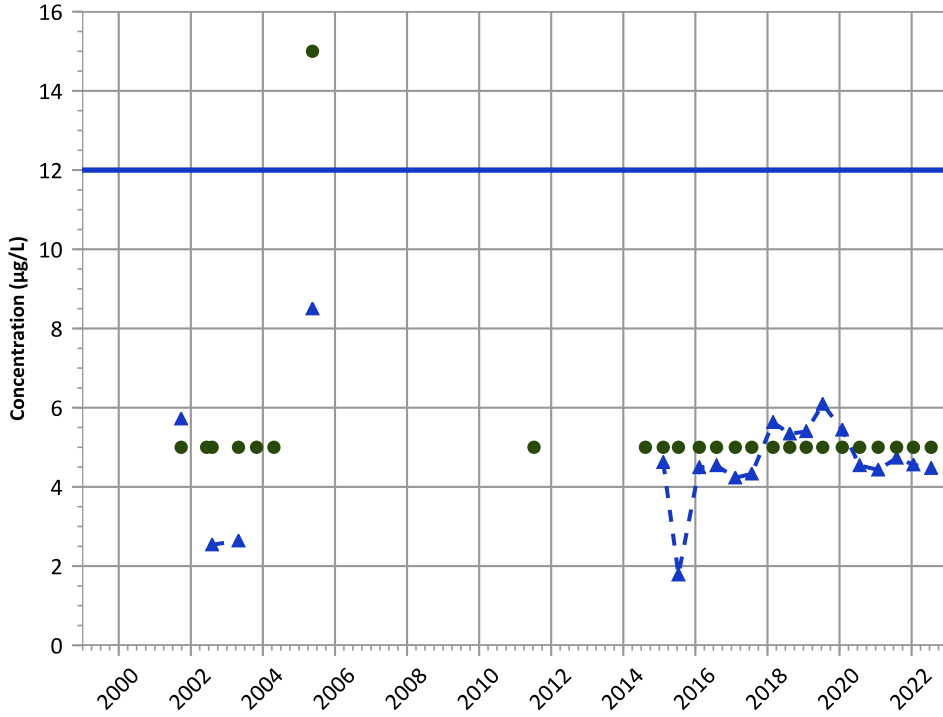
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

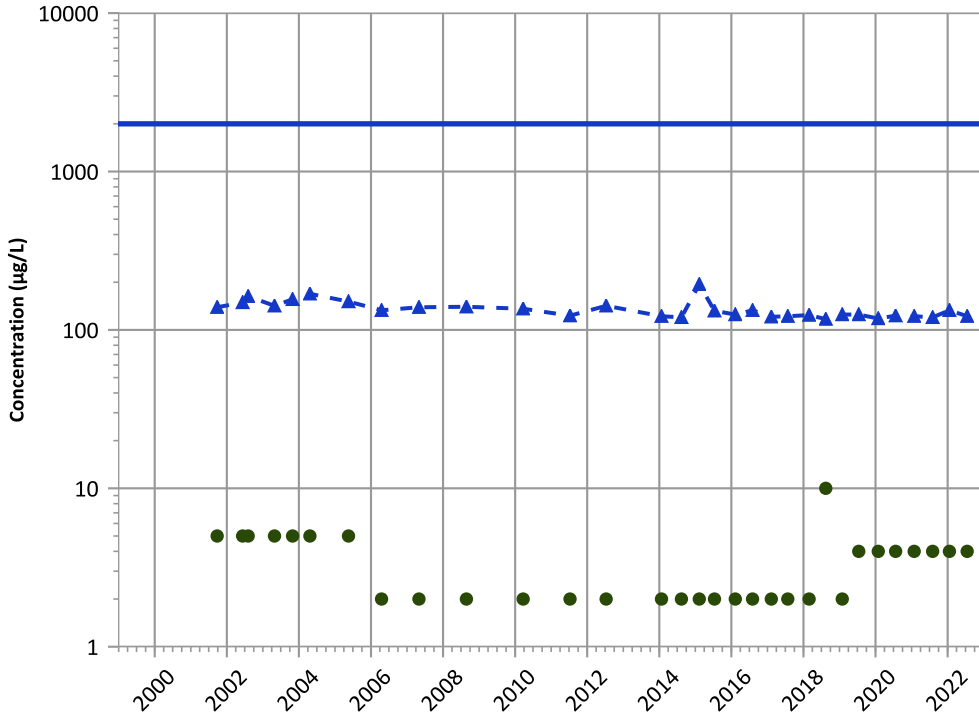
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Decreasing

Barium Trend



Concentration Trend

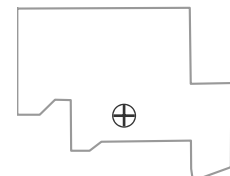
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Well Location

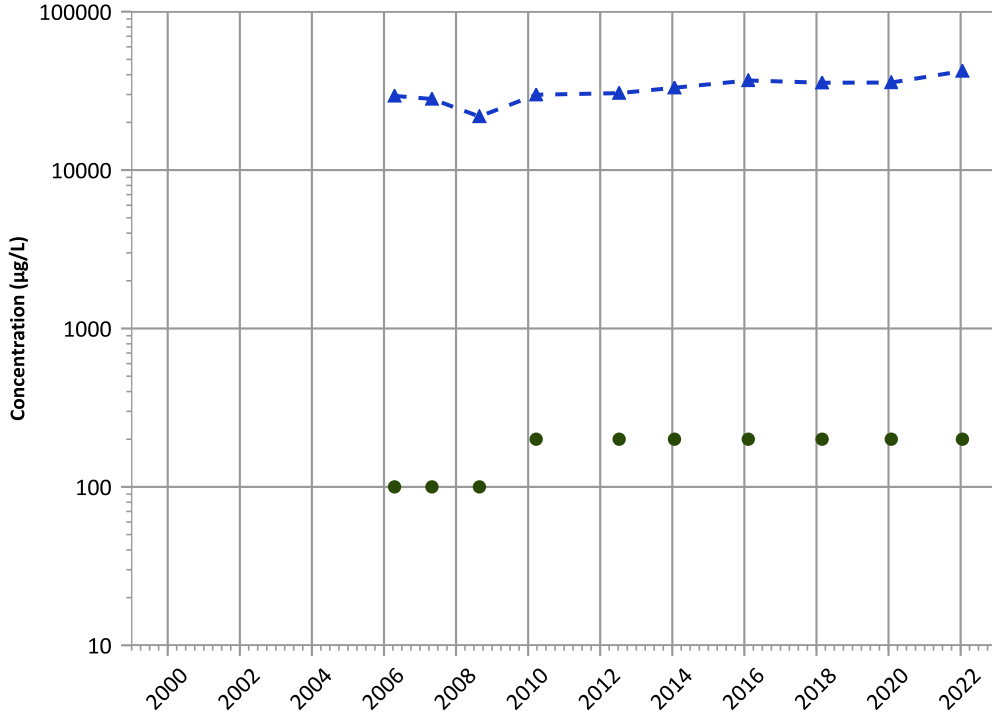


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

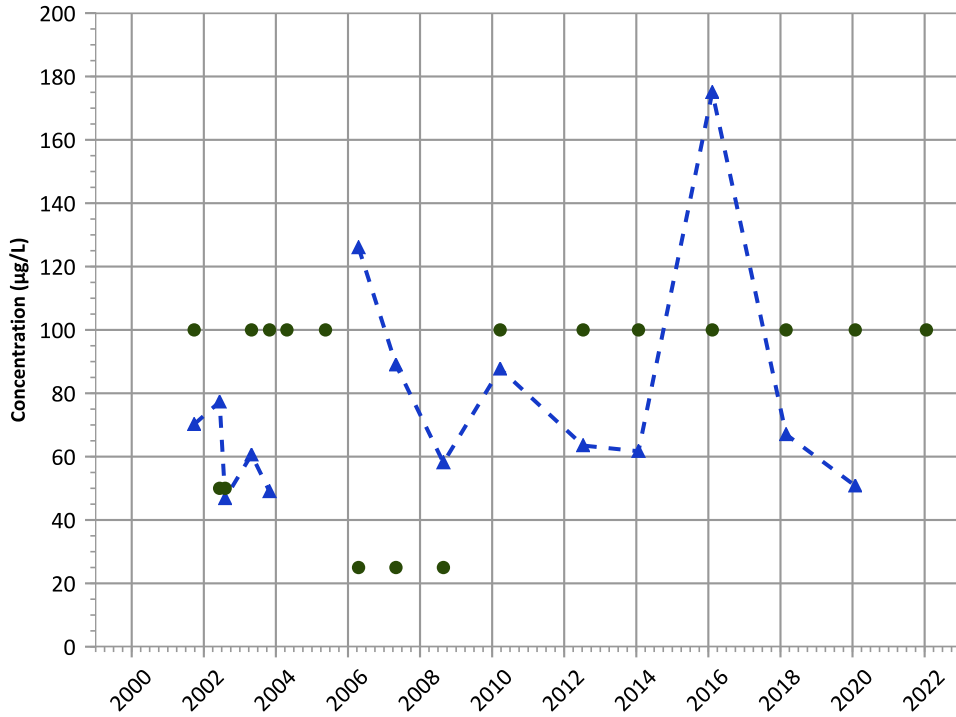
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

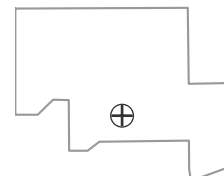
MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

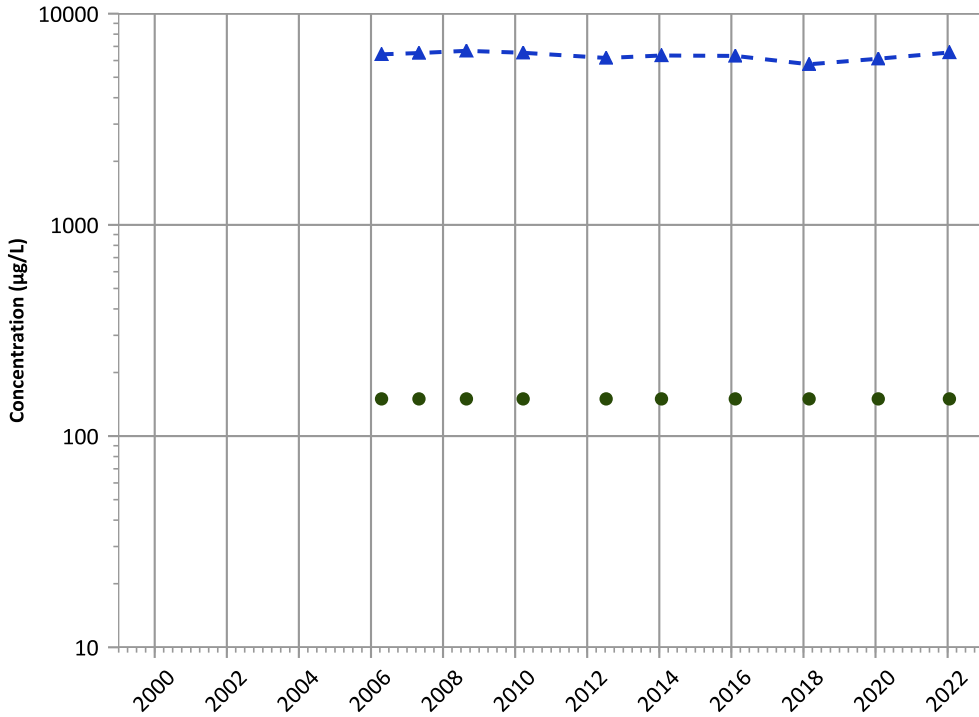
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

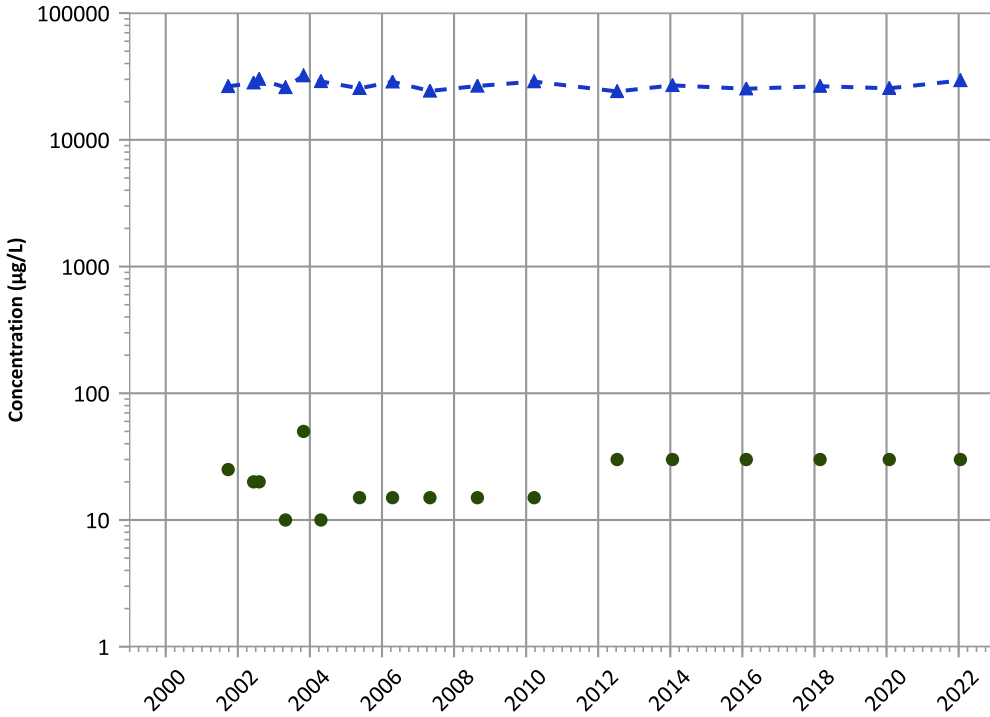
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

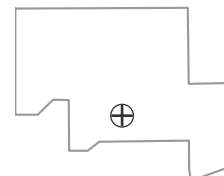
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

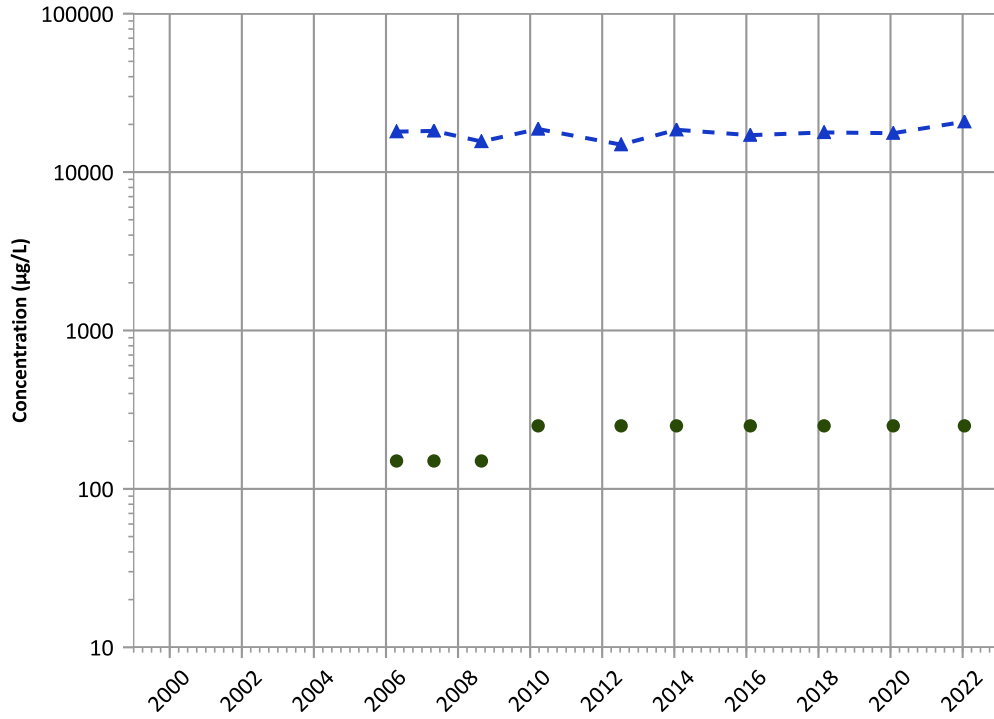
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1072 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Sodium Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data: Increasing  
2020 - 2022 Data: No Trend

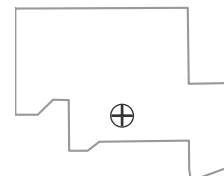
**MAROS Linear Regression Method**

All Data: No Trend  
2020 - 2022 Data: Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/25/2001 to 07/18/2022  
Analysis Date: 04/11/2023

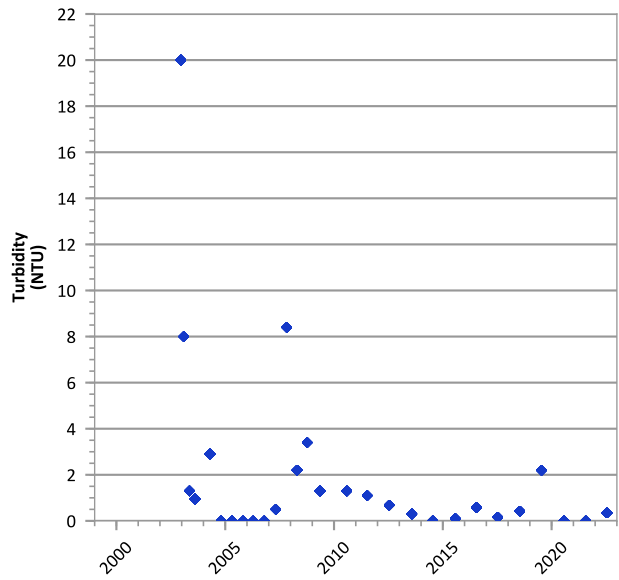
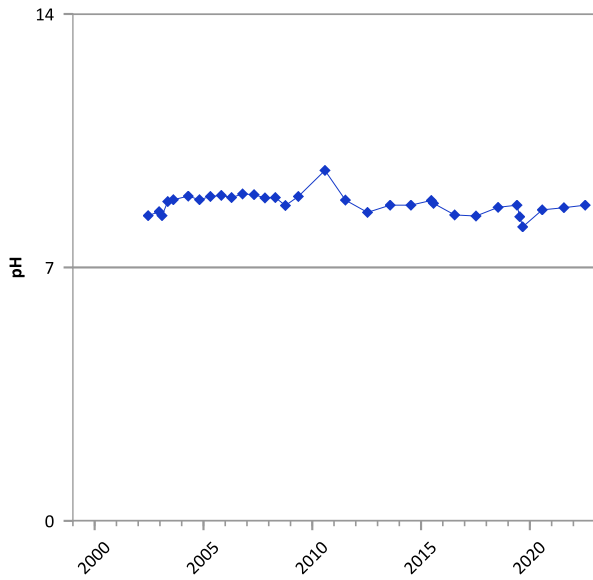
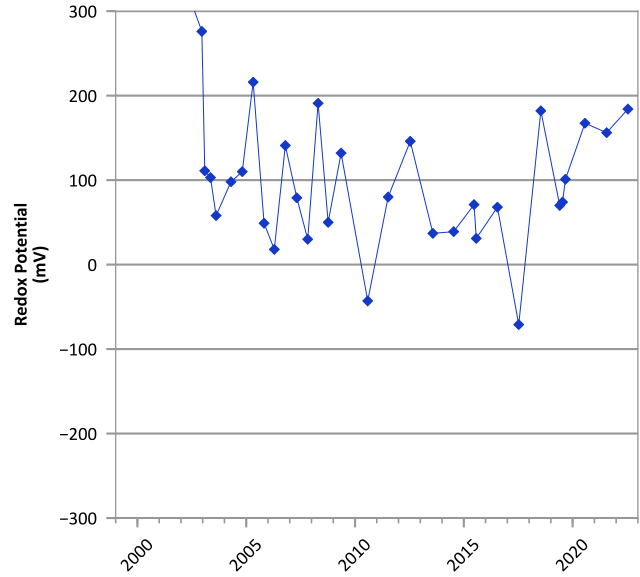
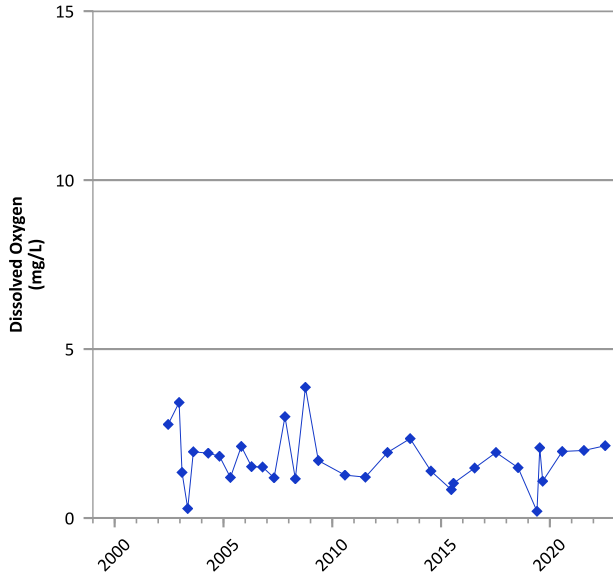
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



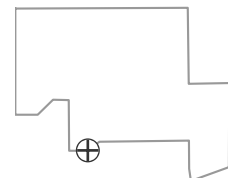


**PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



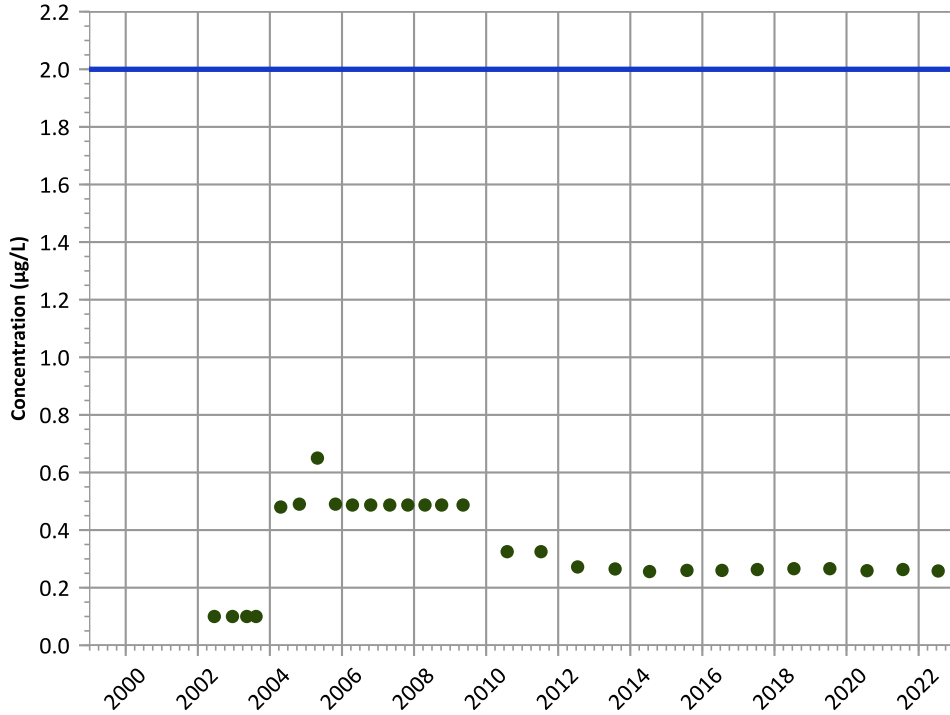
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/17/2002 to 07/18/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

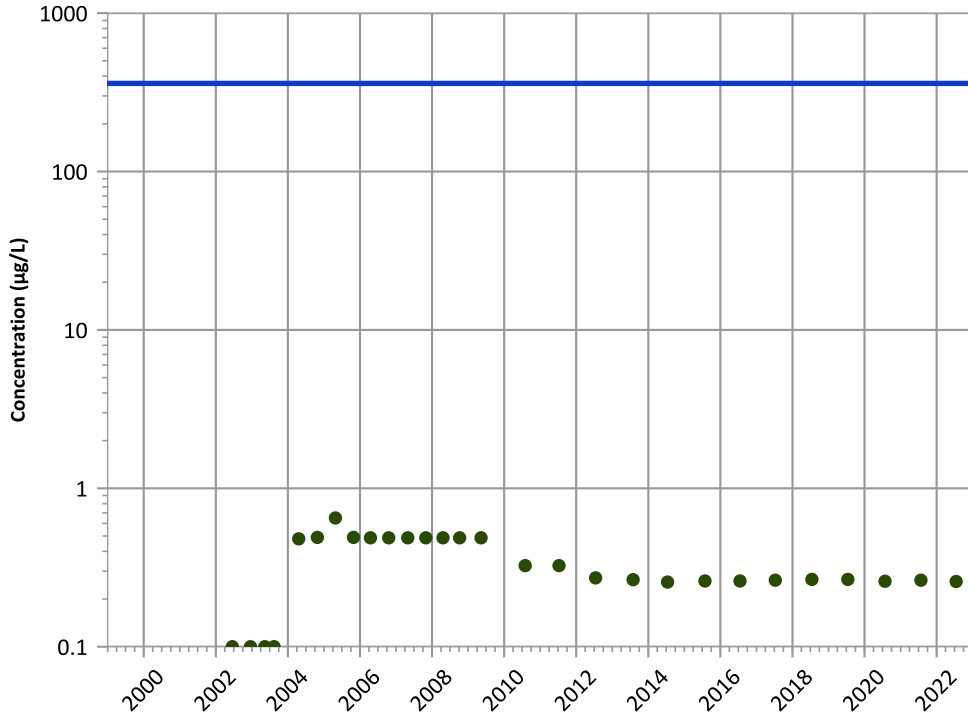
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

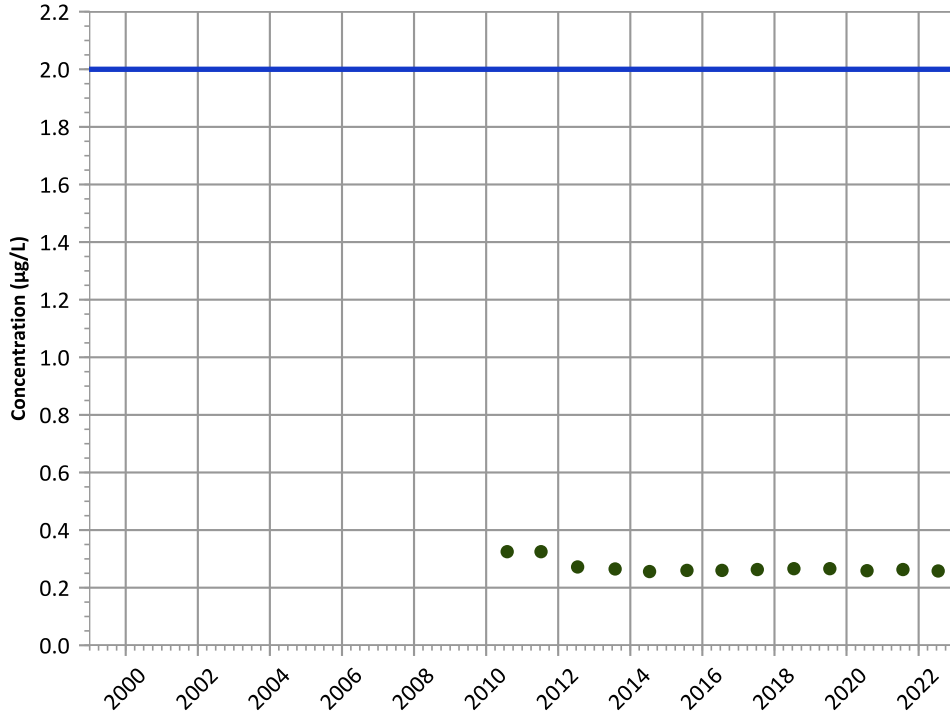
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

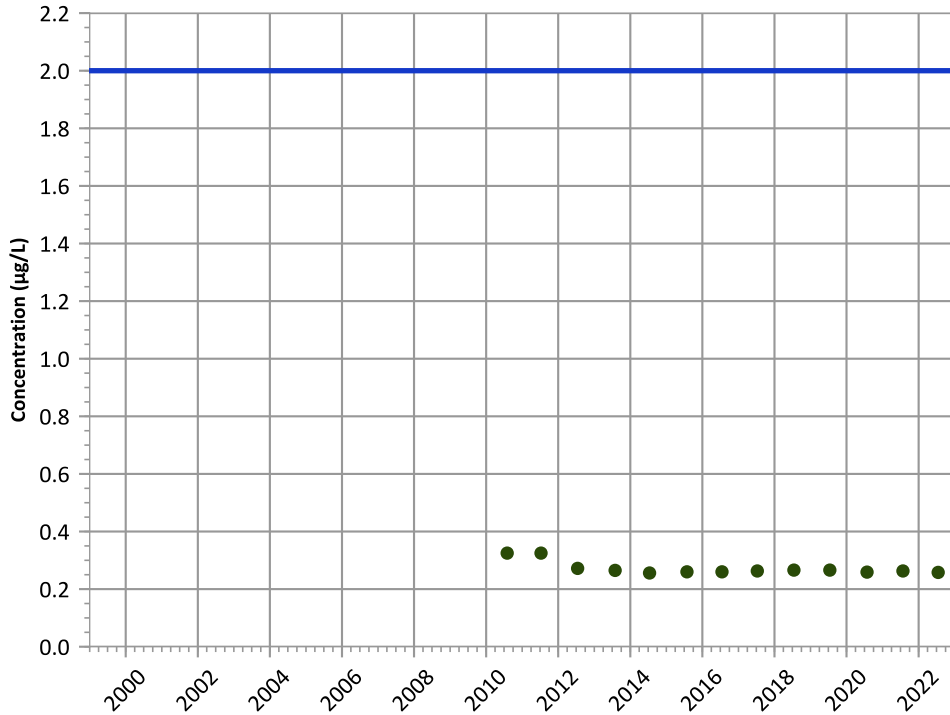
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

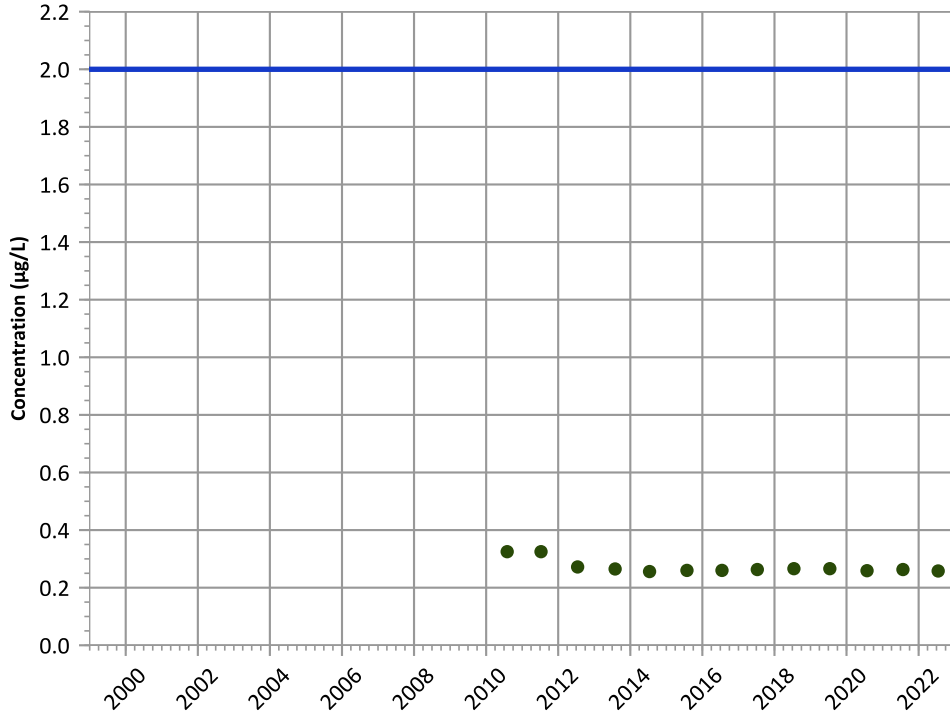


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

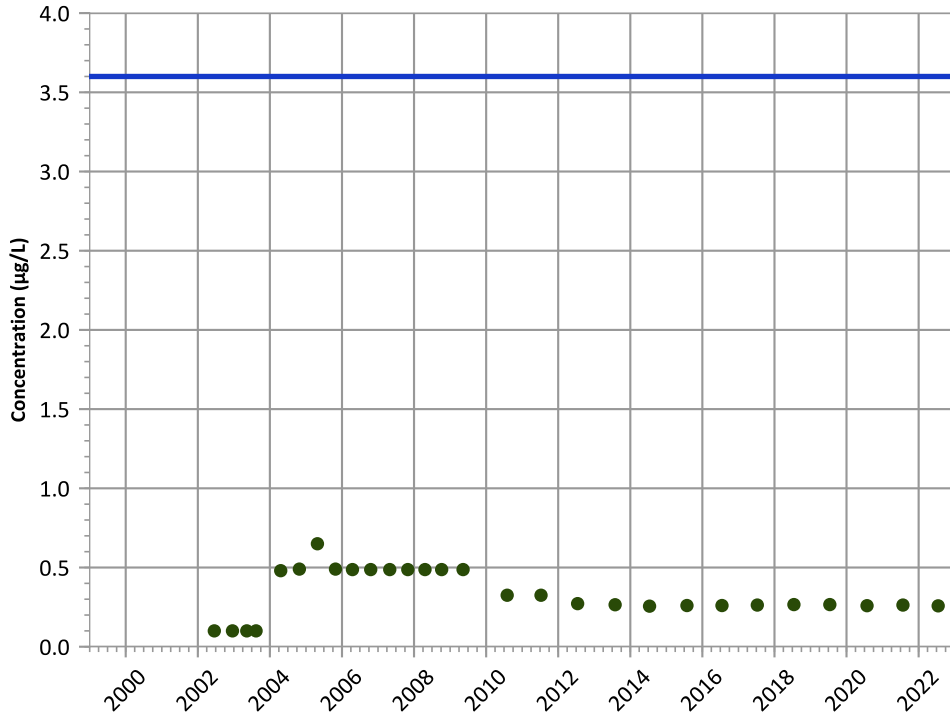
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

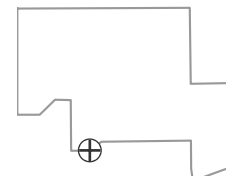
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

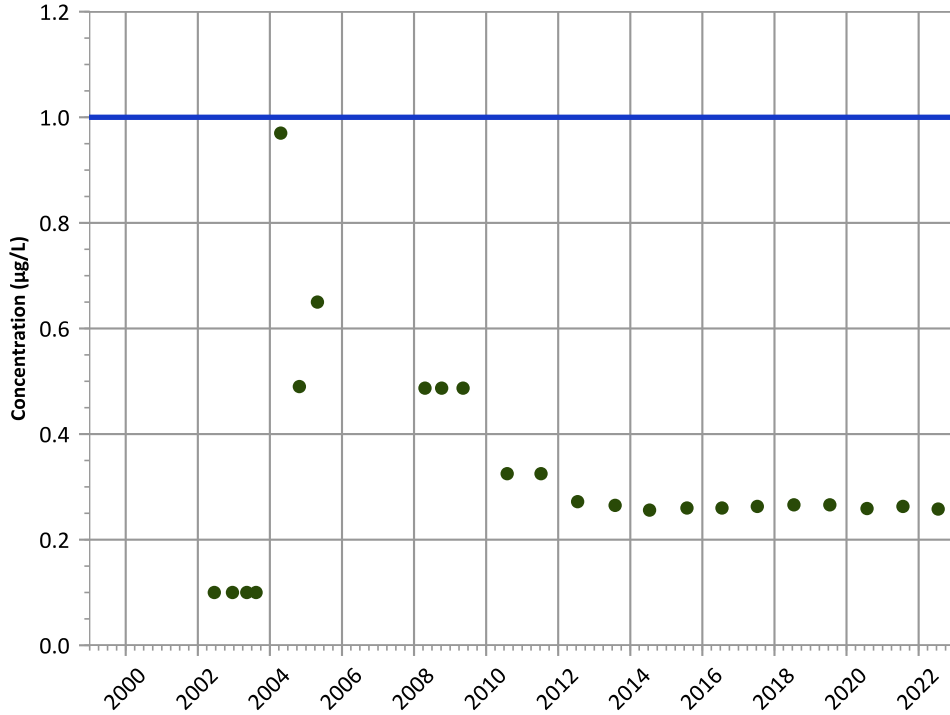
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

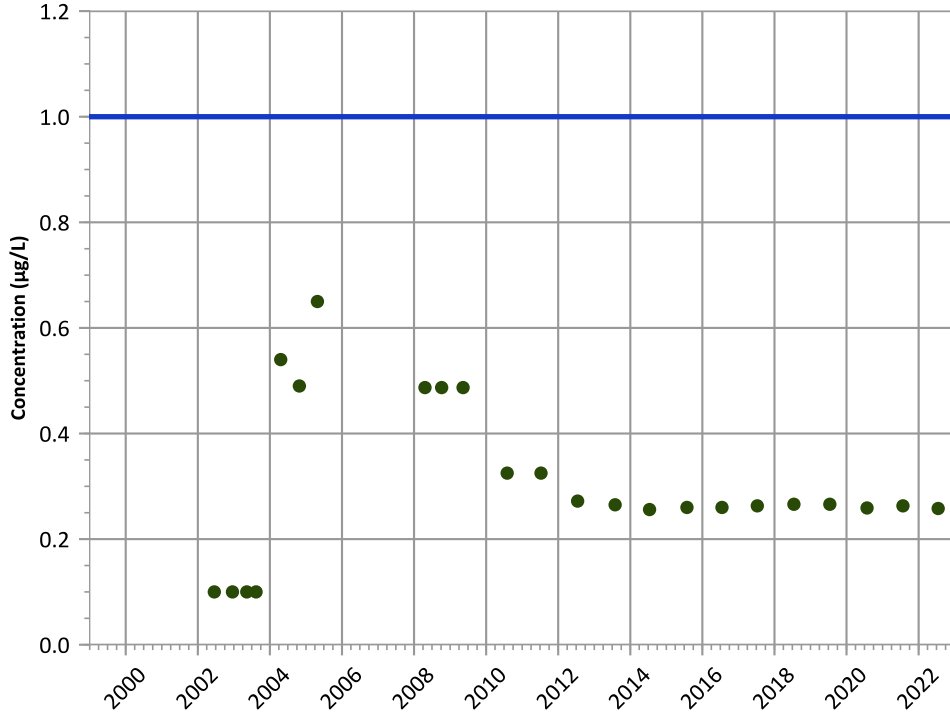
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

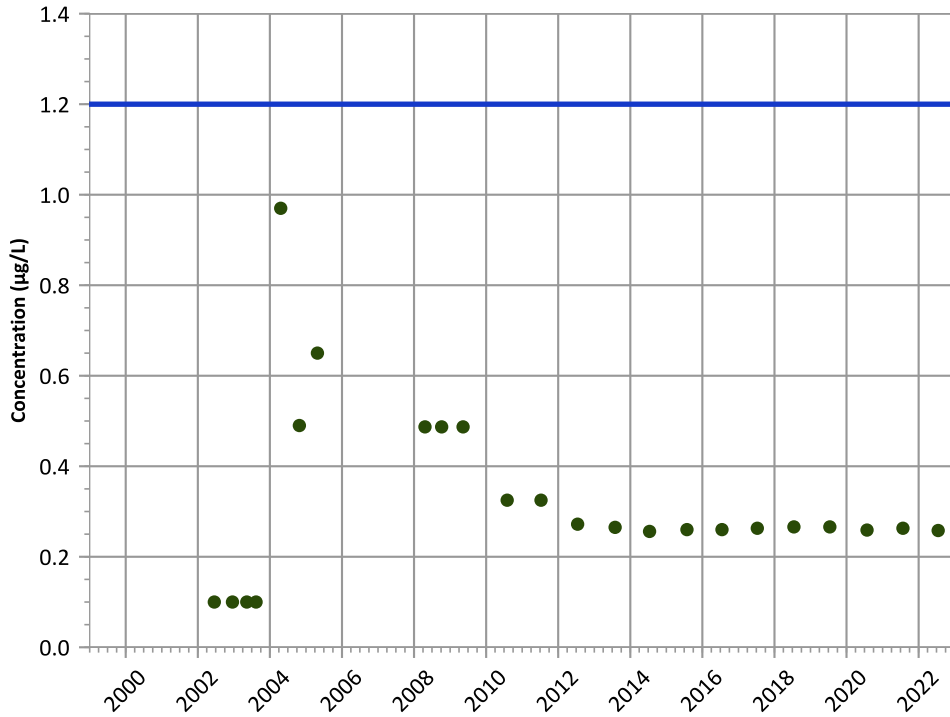
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

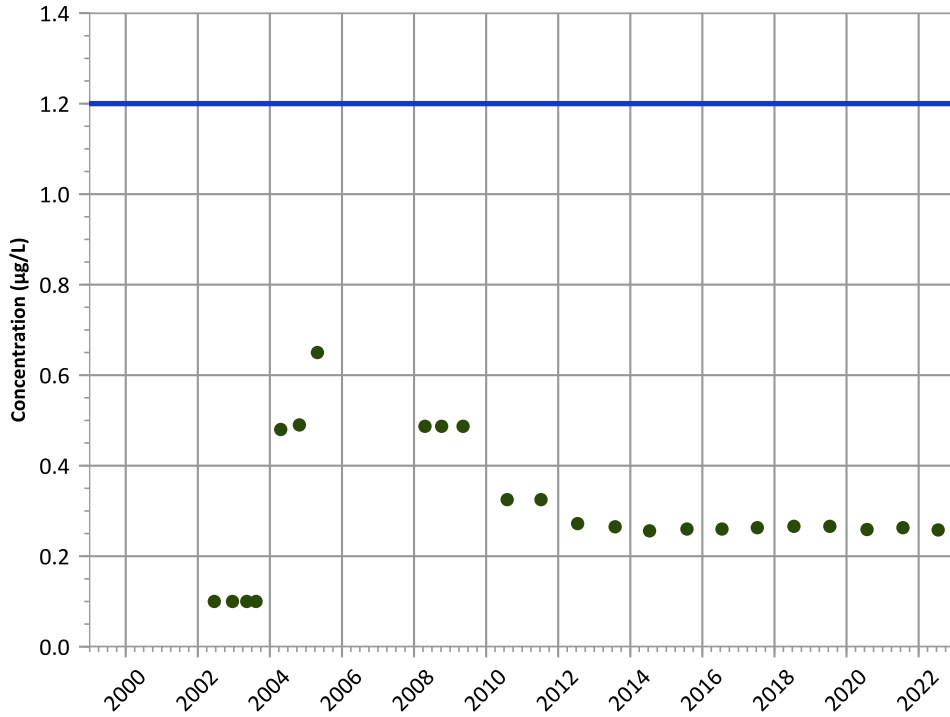
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

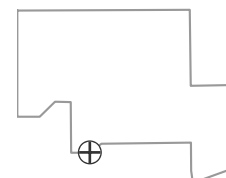
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

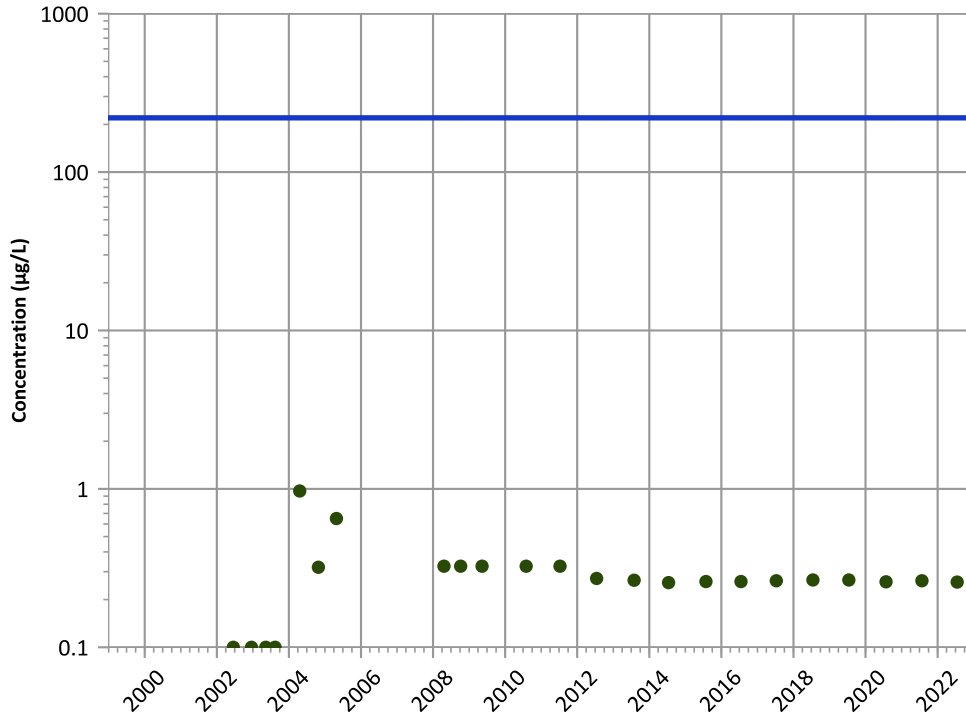
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

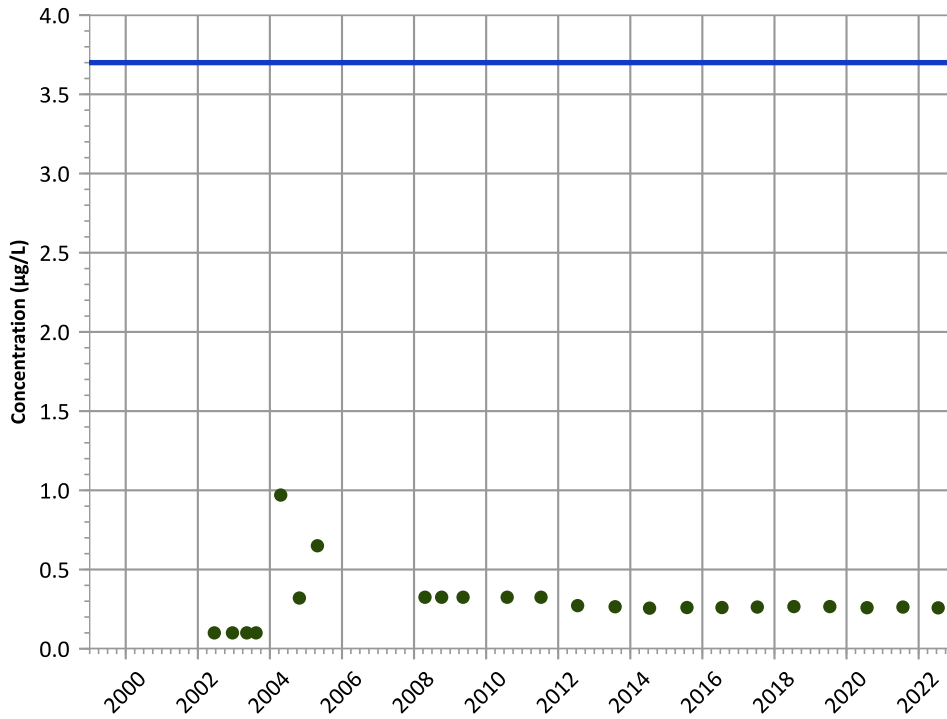
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

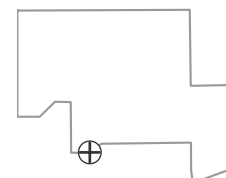
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

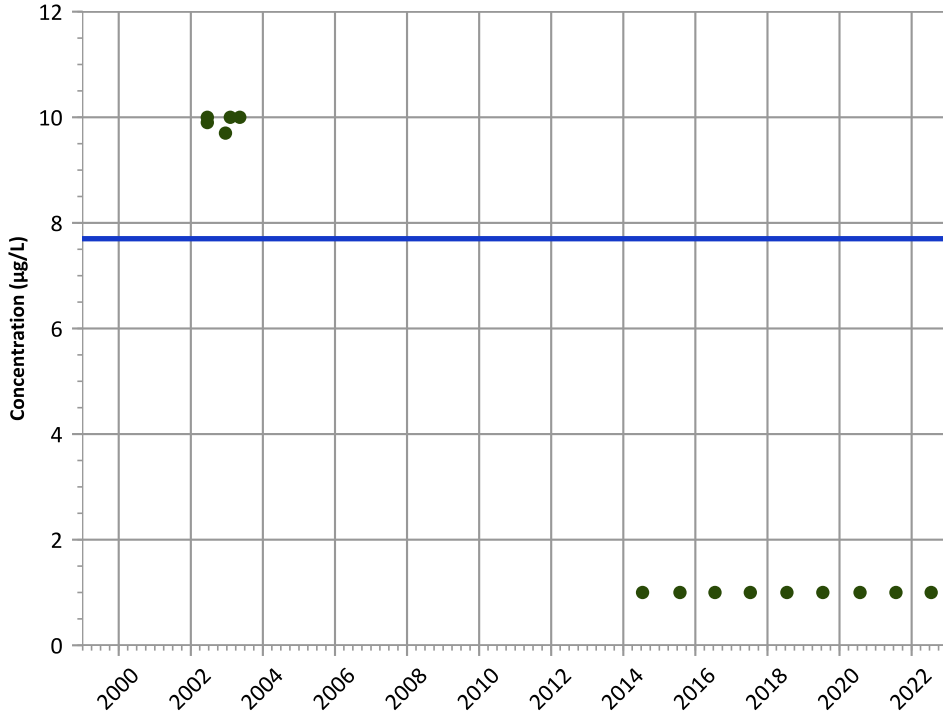
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

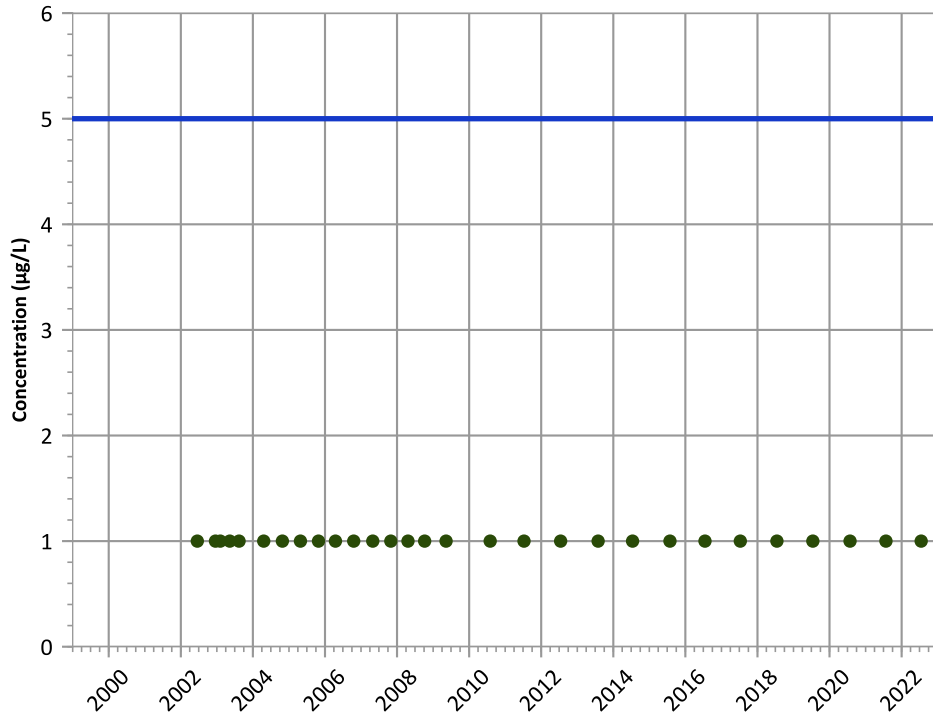
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

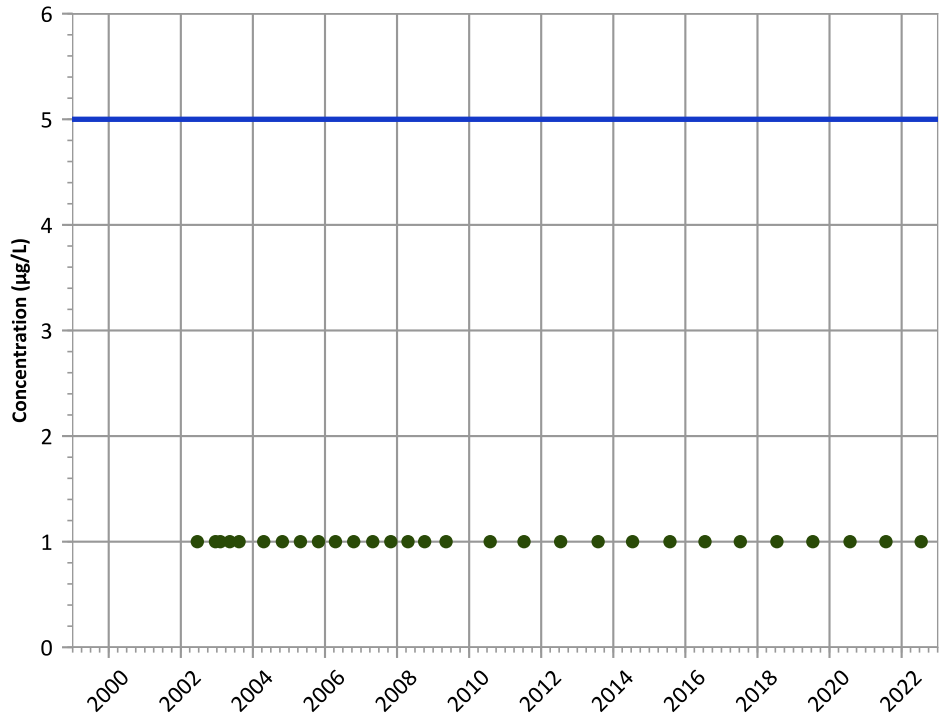
Well Location





PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

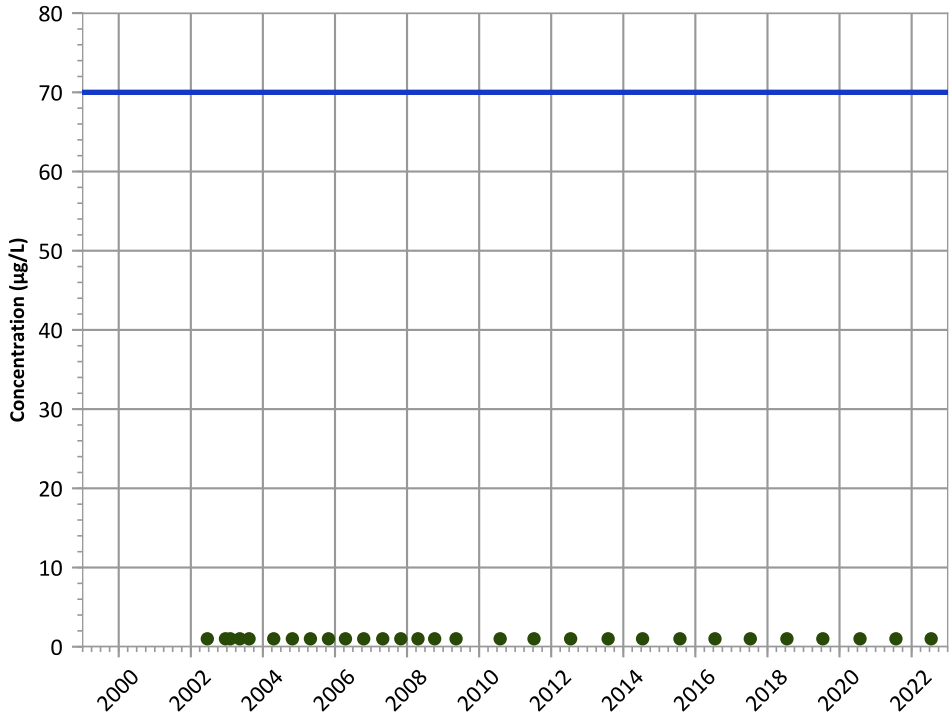
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

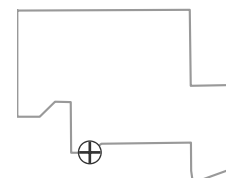
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

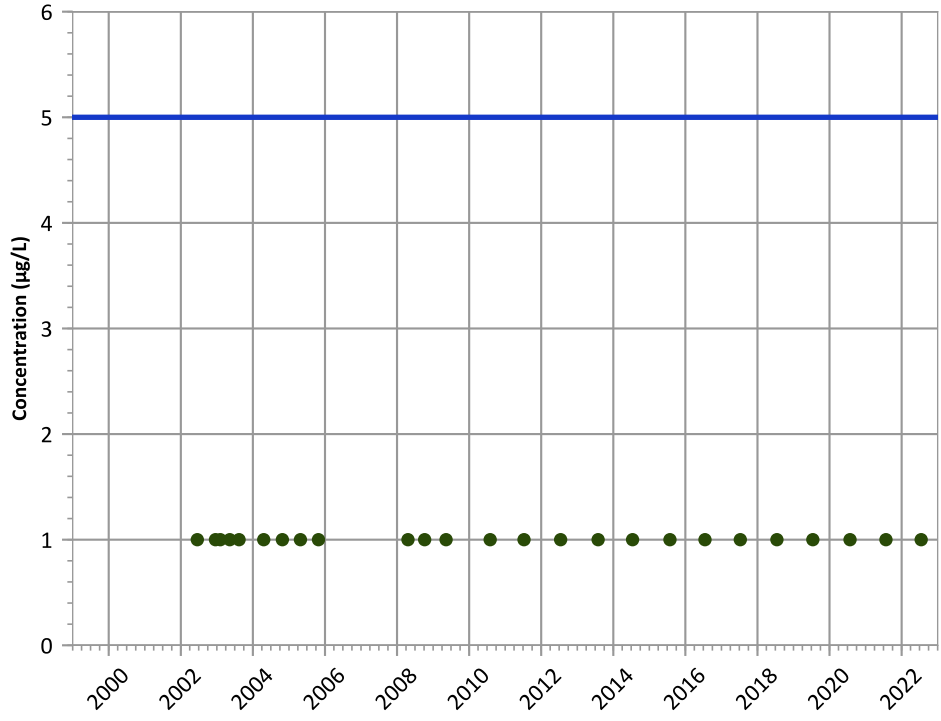
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

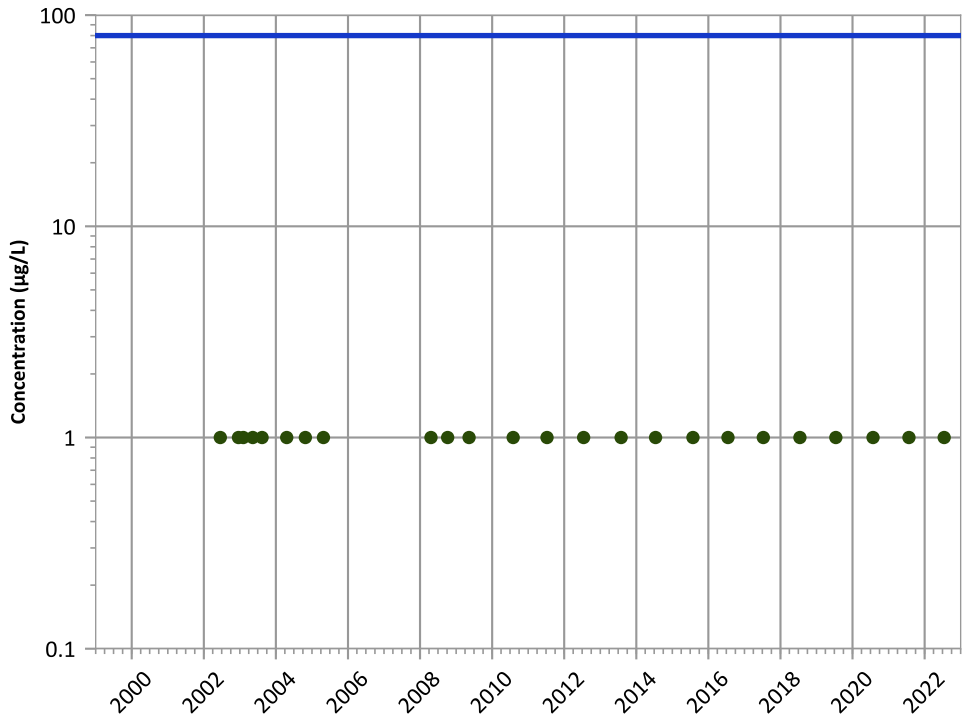
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

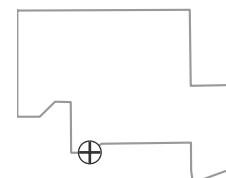
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

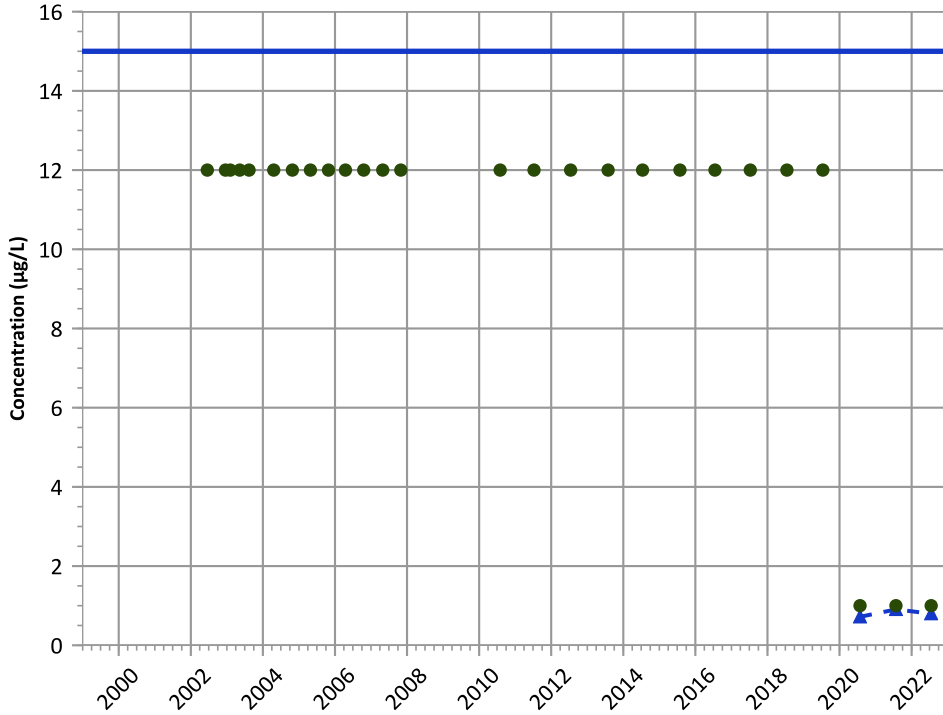
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

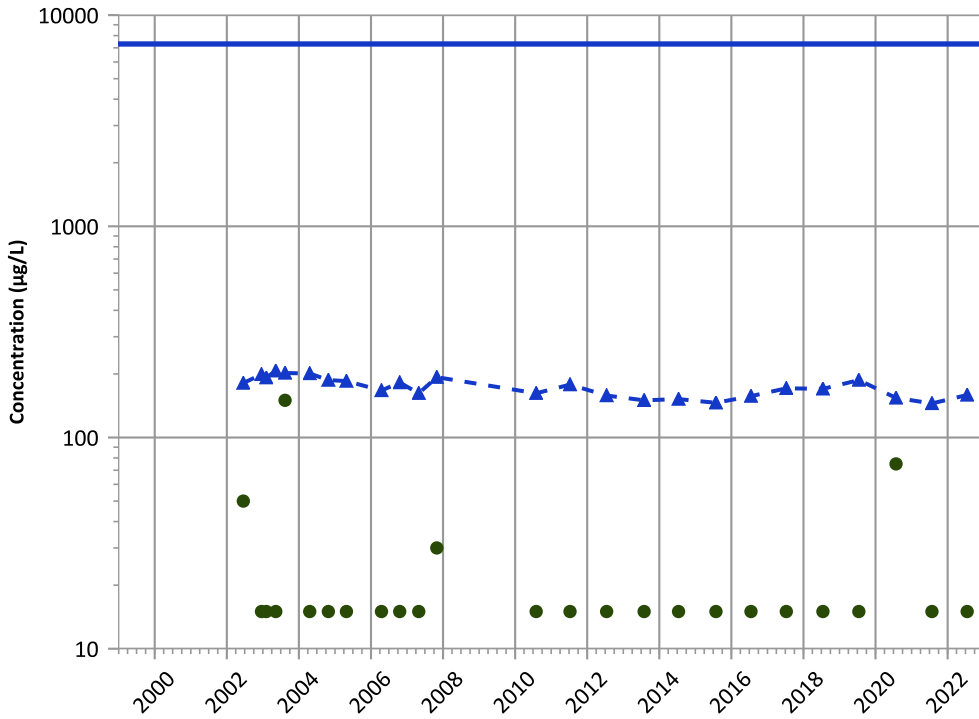
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

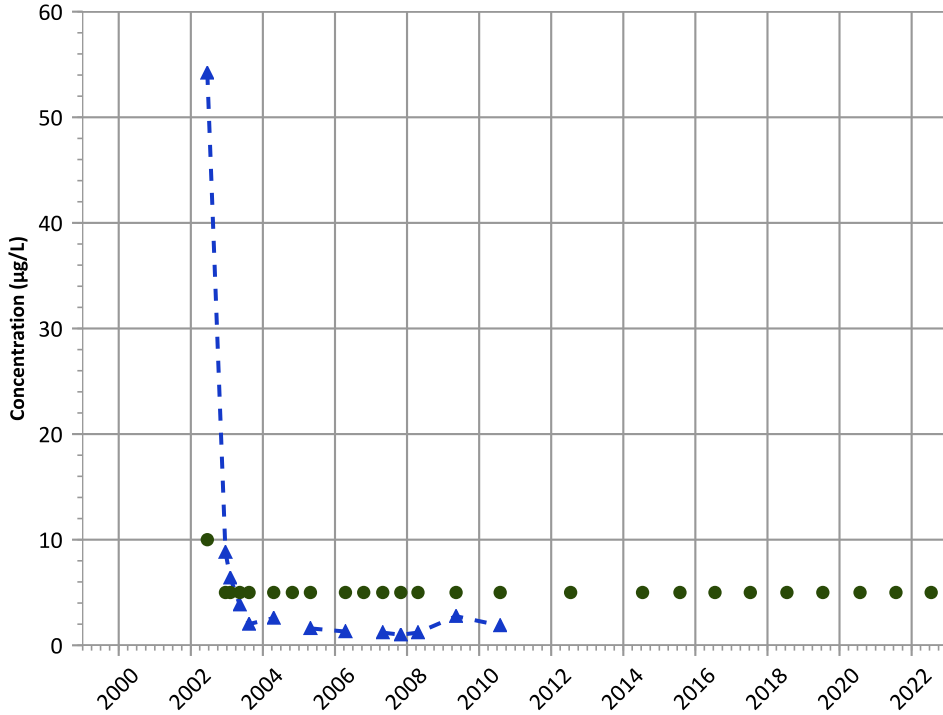
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

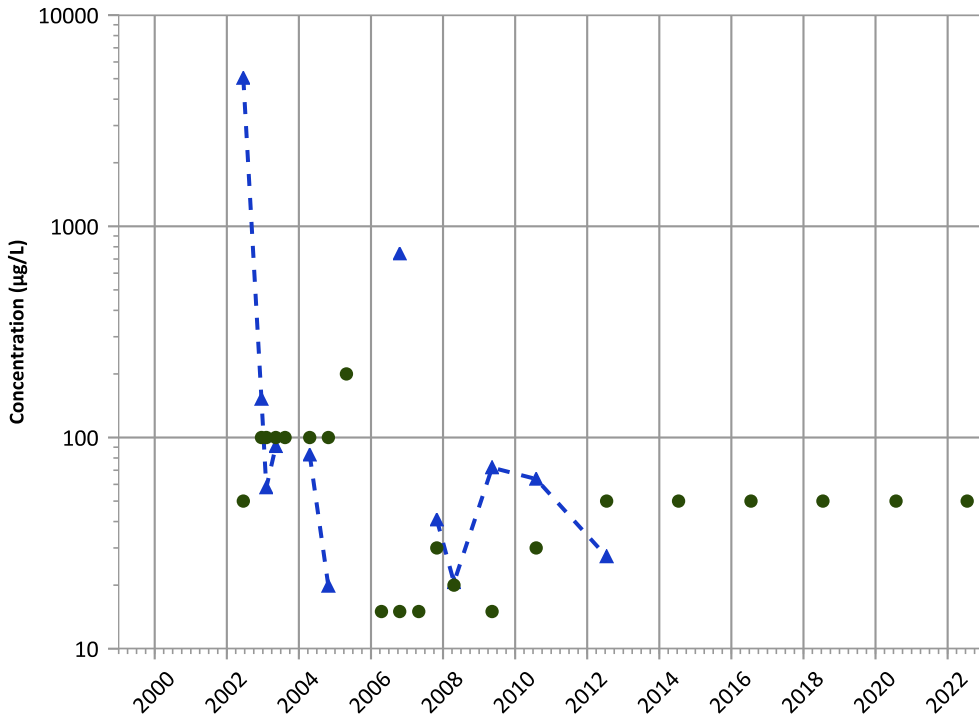
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

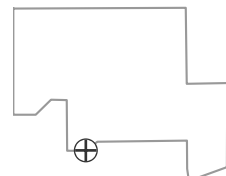
MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

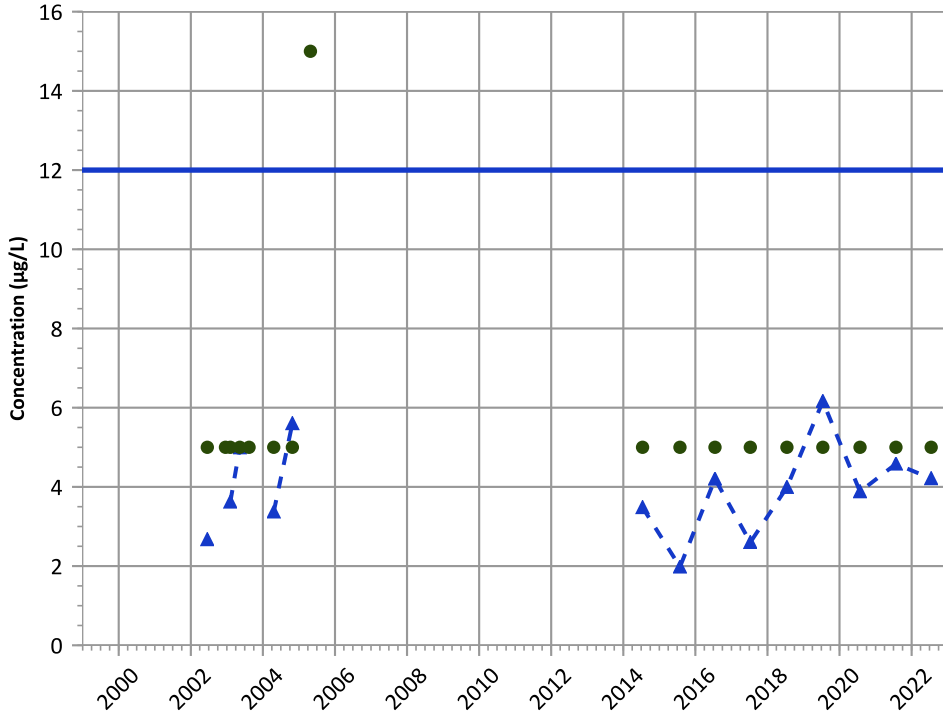
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

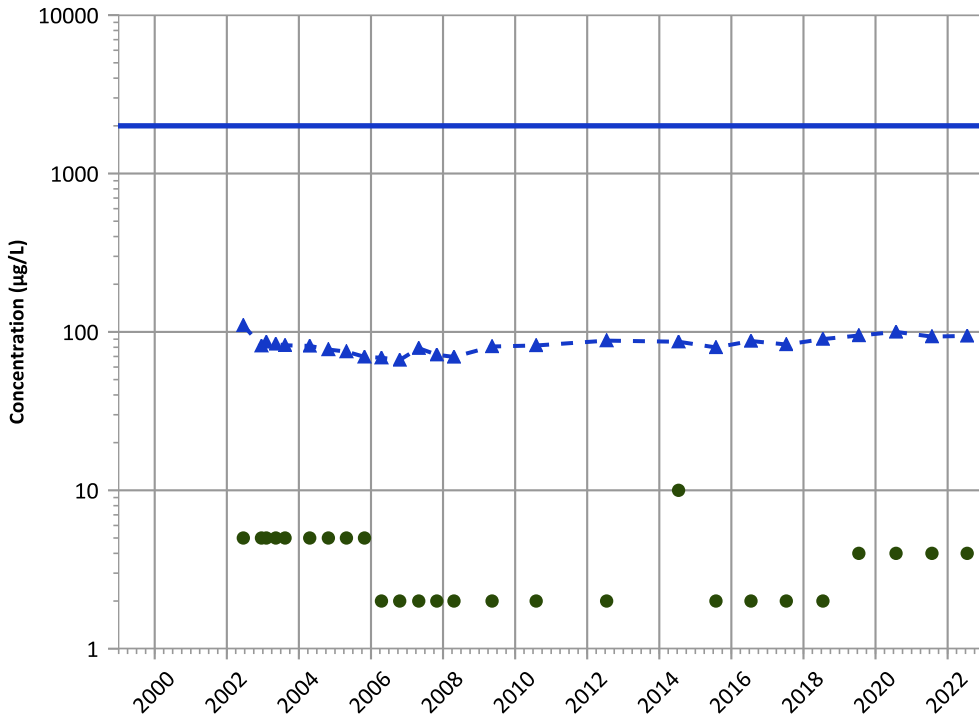
MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

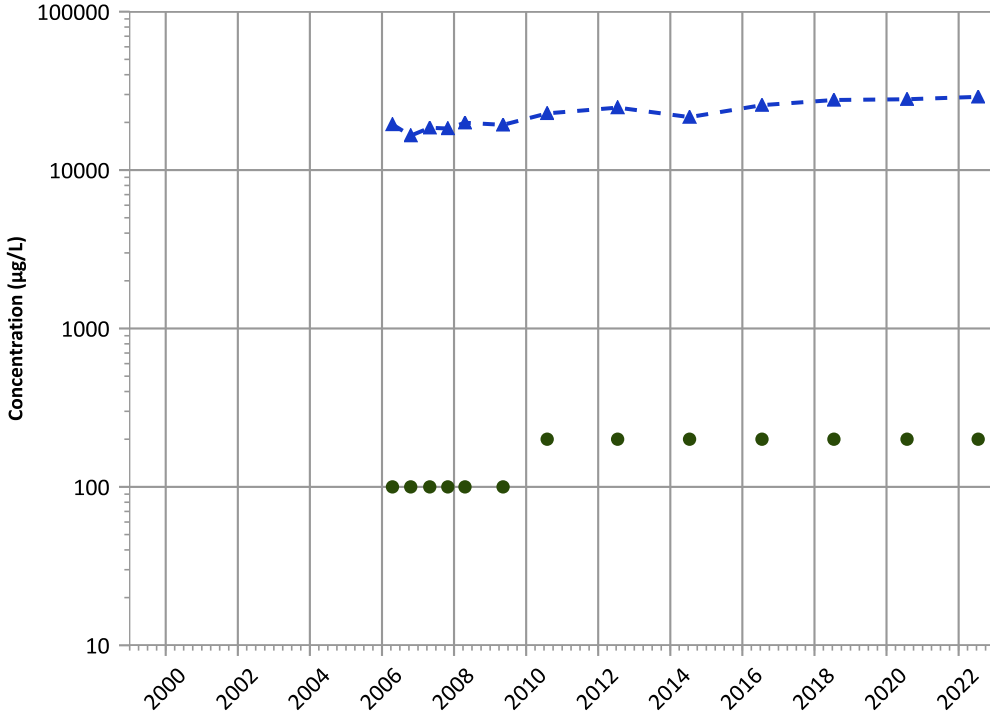
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

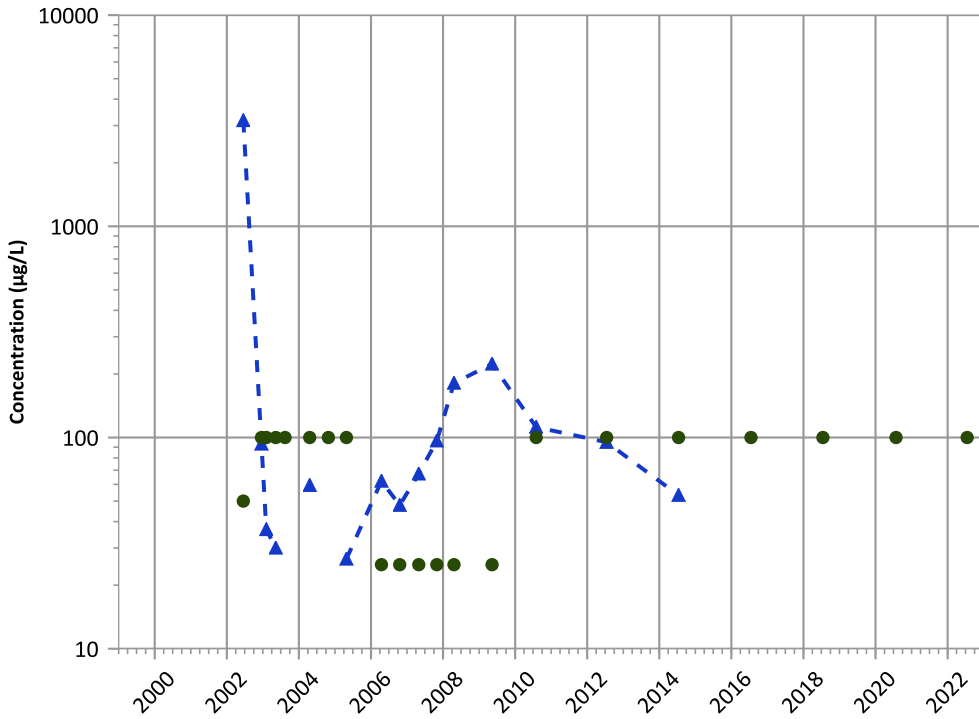
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

Well Location

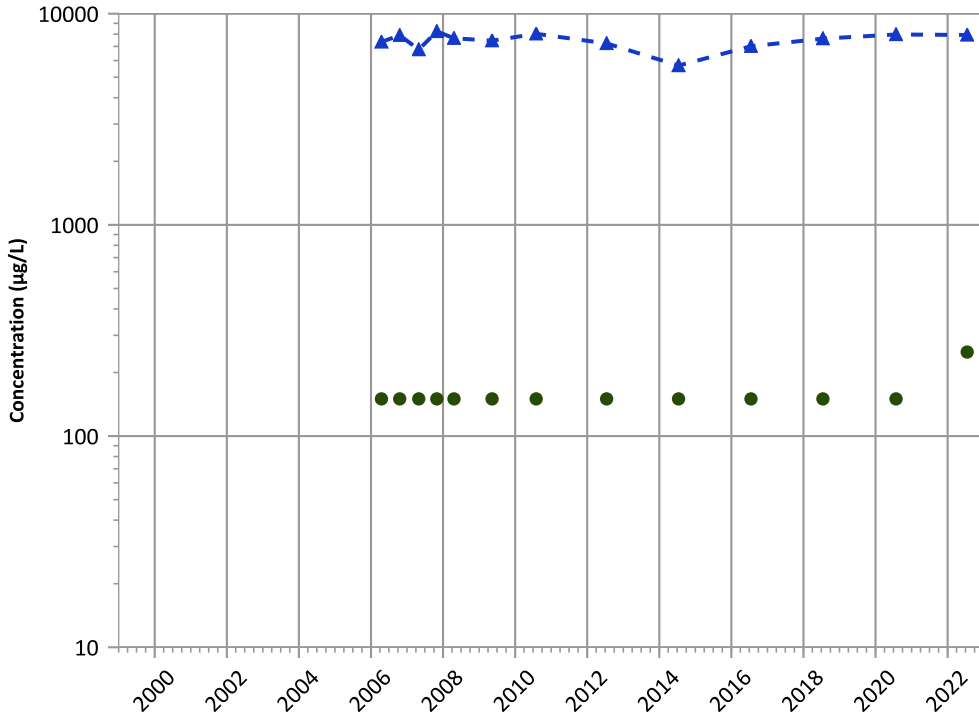


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1075 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

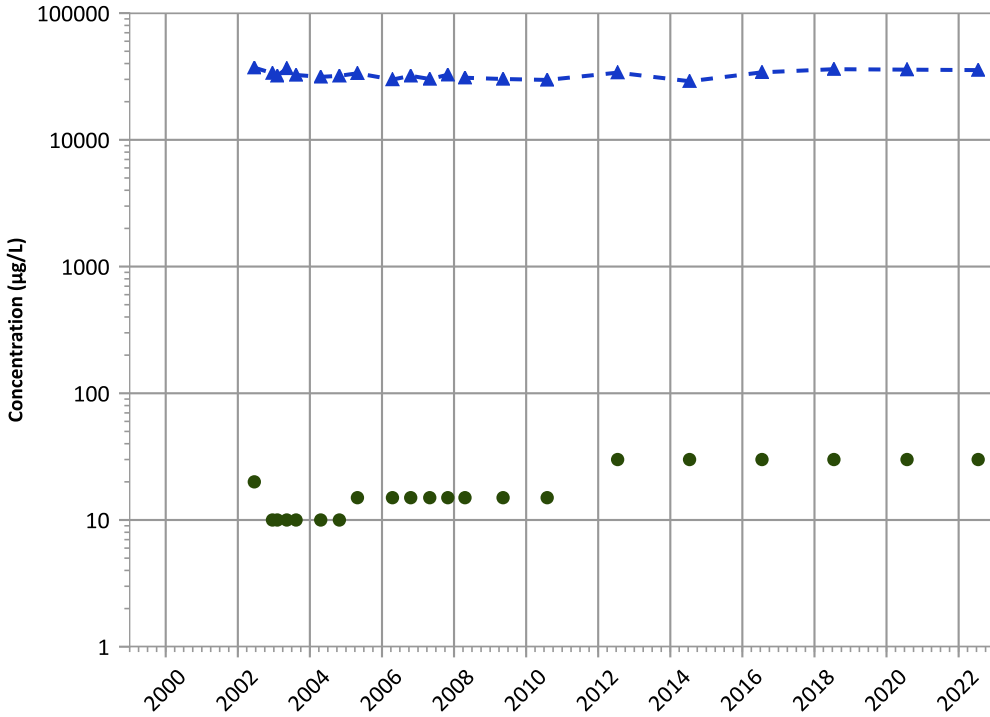
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

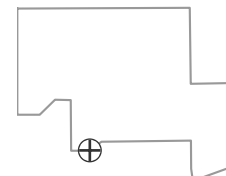
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

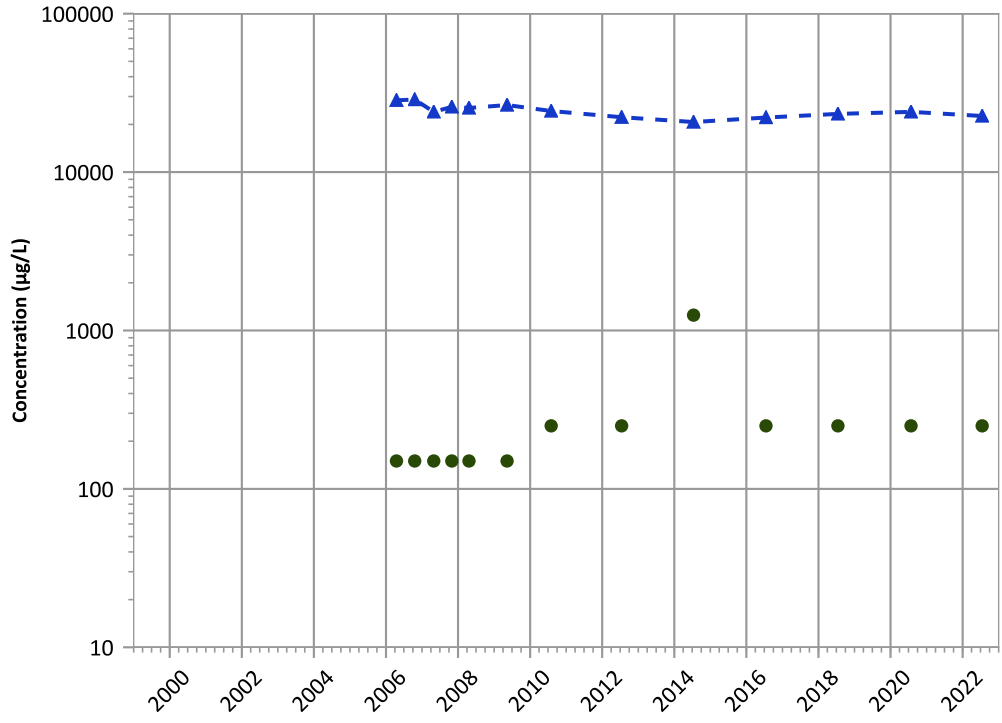
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/17/2002 to 07/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1075 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend



**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 All Data: Decreasing  
 2020 - 2022 Data: No Trend  
**MAROS Linear Regression Method**  
 All Data: Decreasing  
 2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/17/2002 to 07/18/2022  
 Analysis Date: 04/11/2023

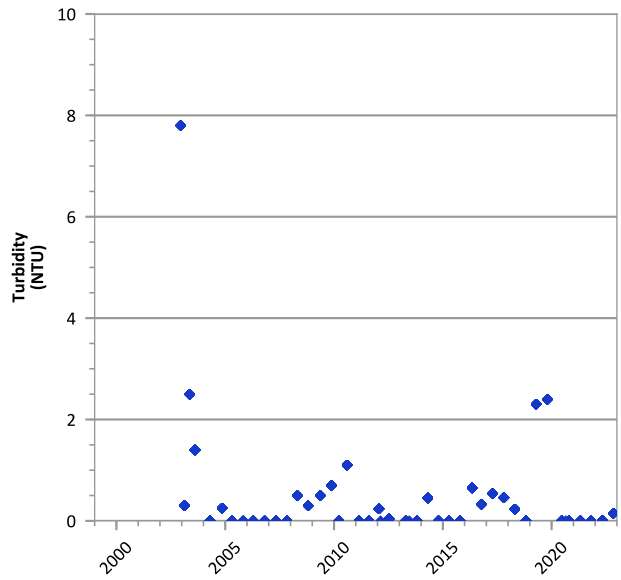
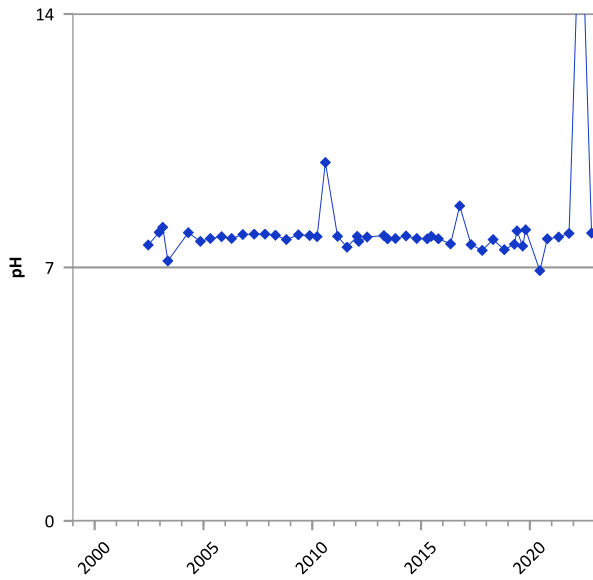
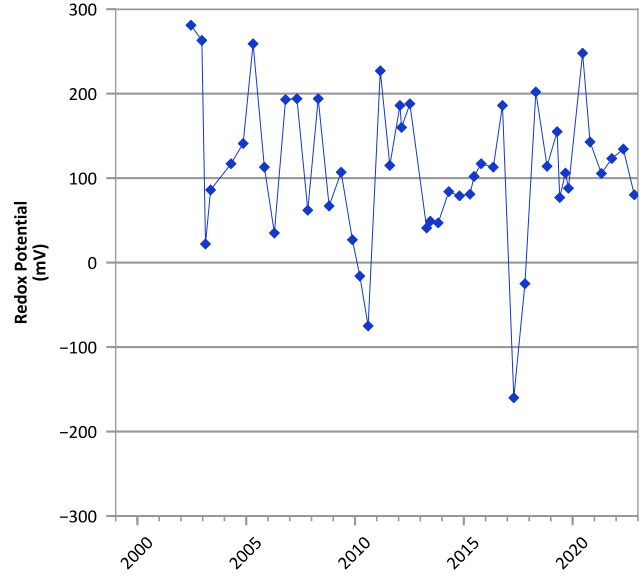
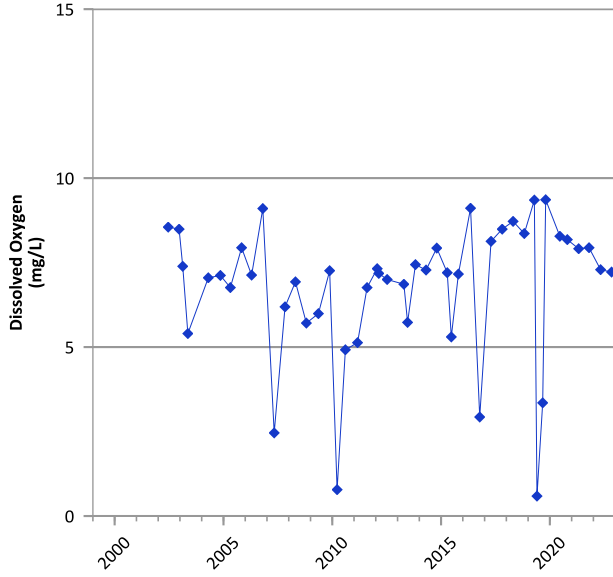
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



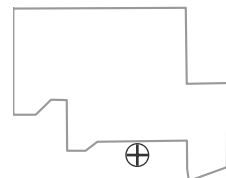


**PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



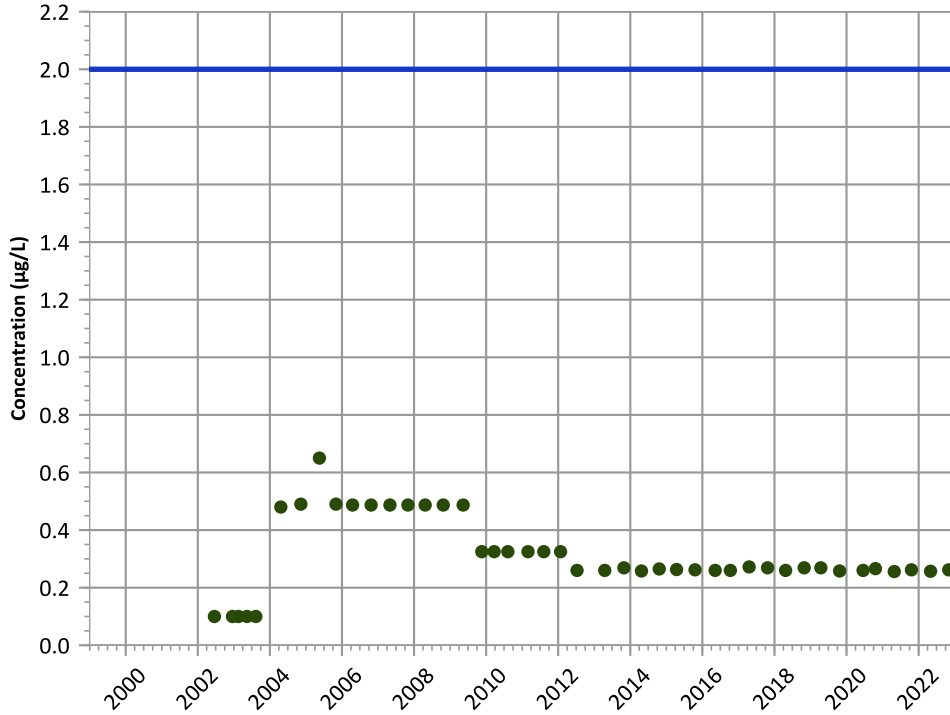
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

**Well Location**



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

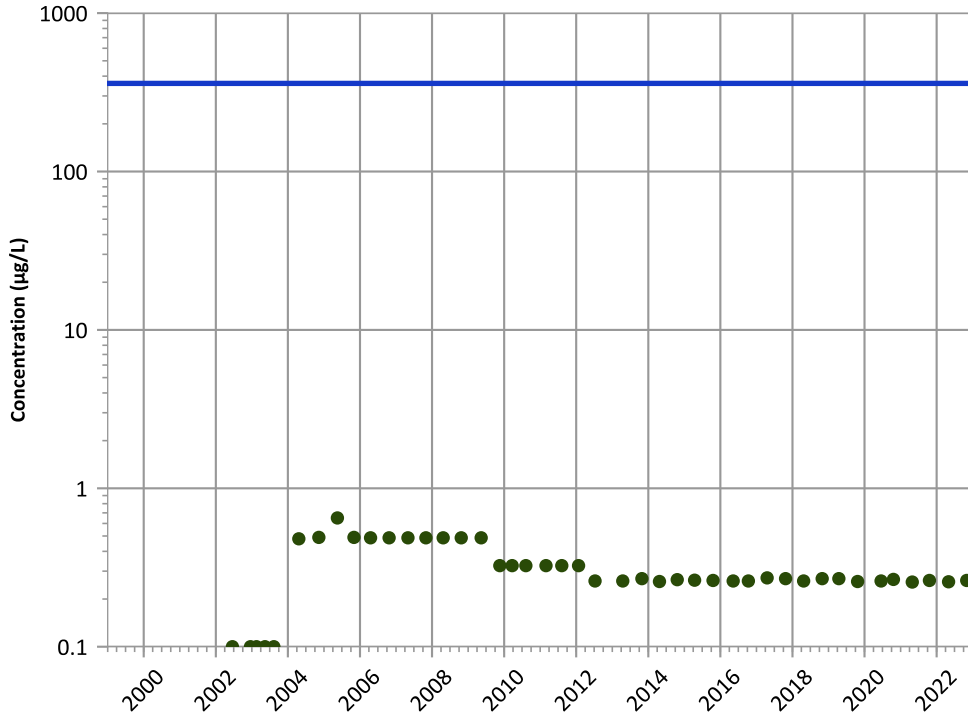
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

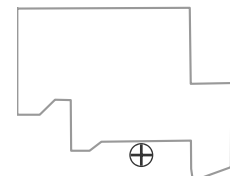
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

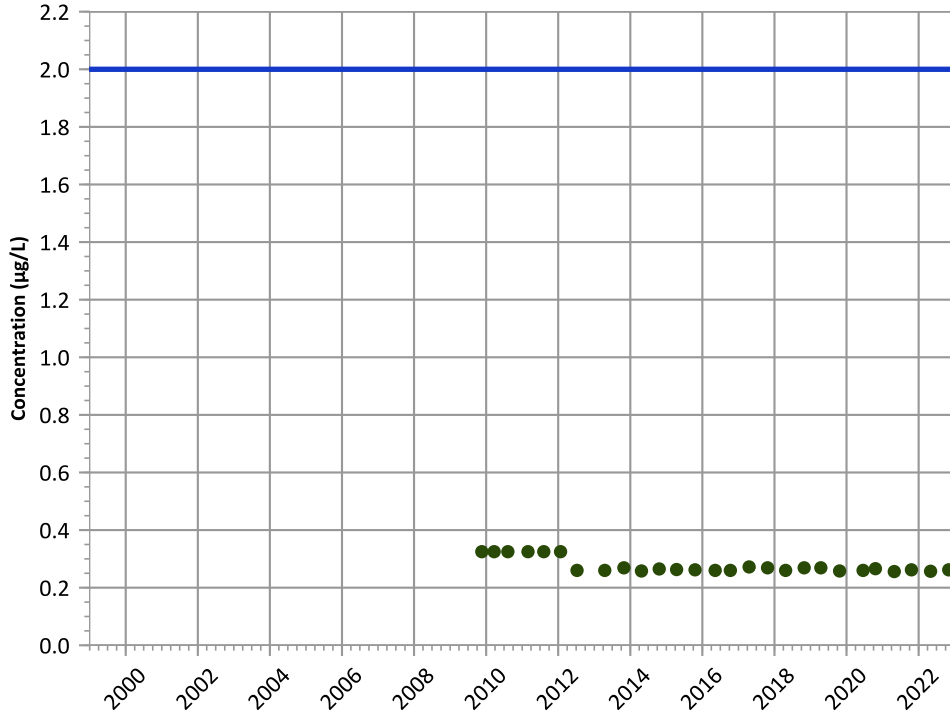
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

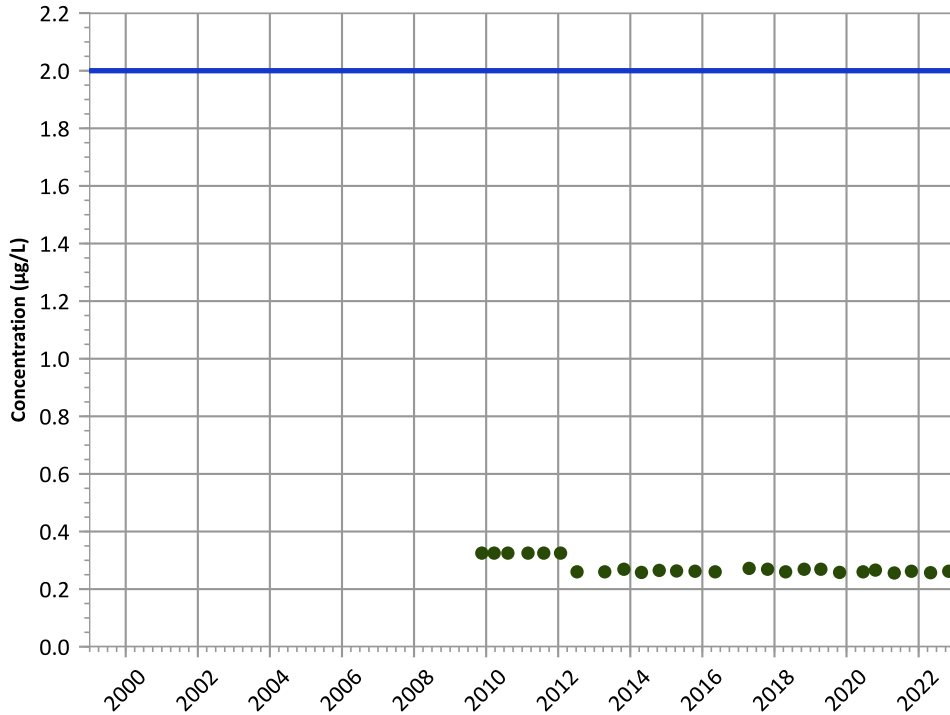
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

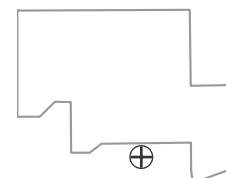
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

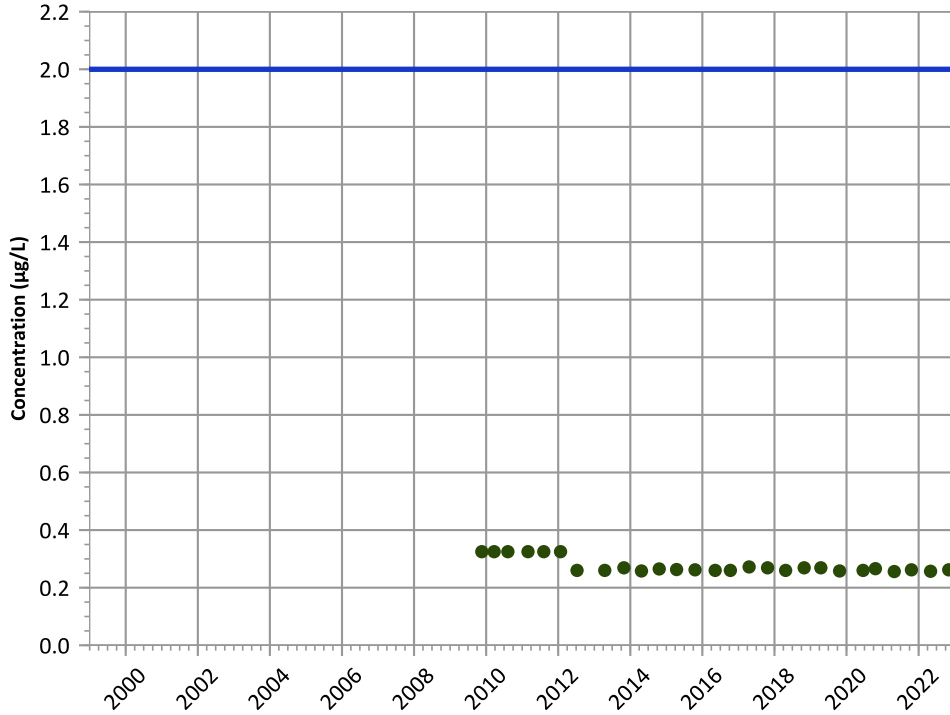
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

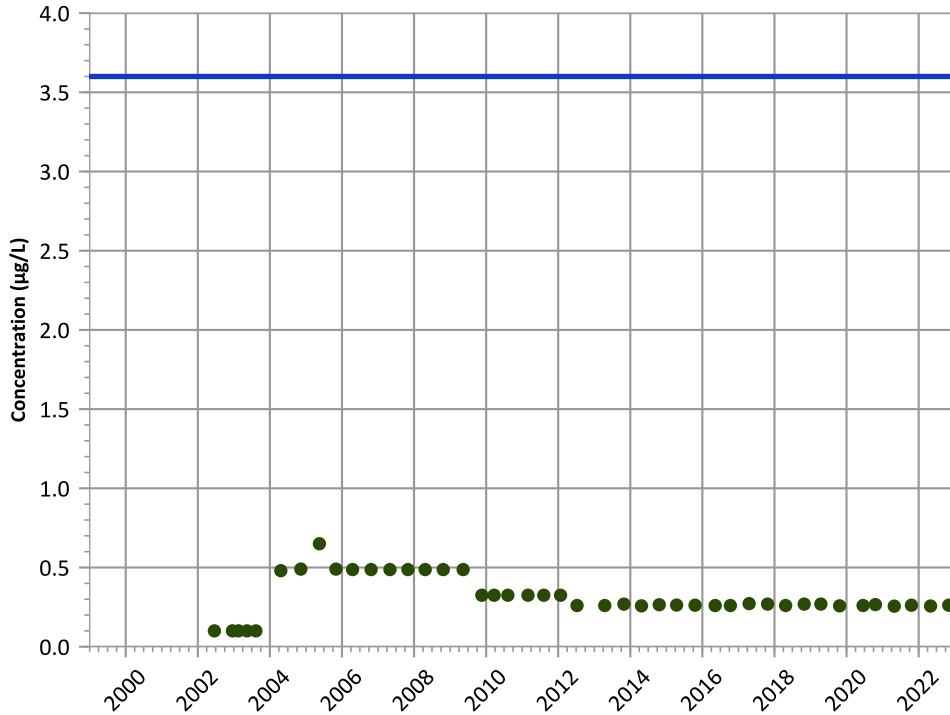
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

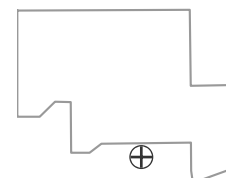
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

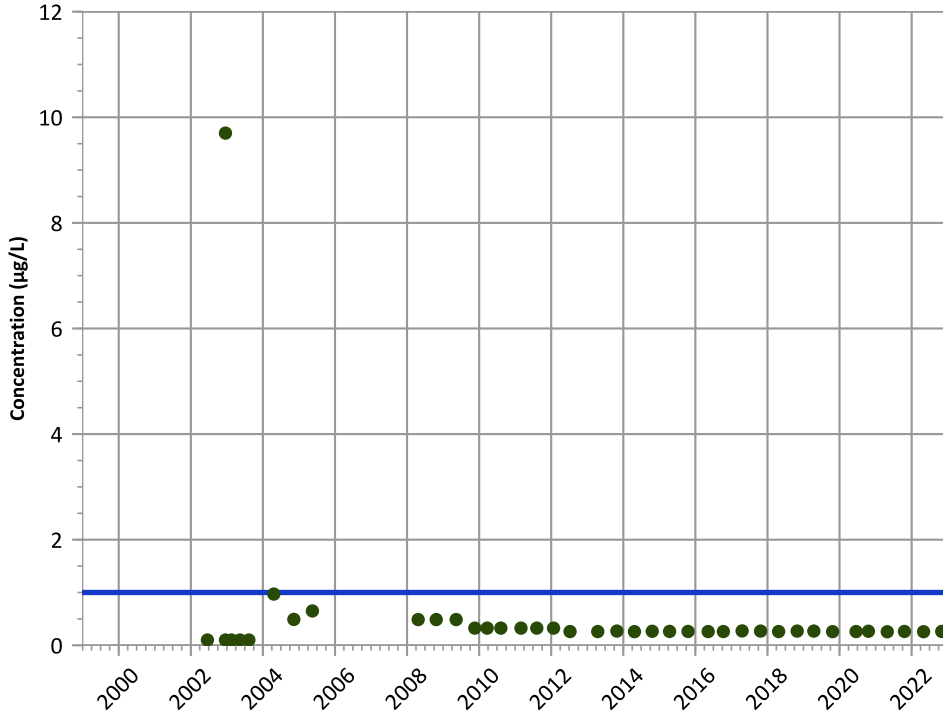
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

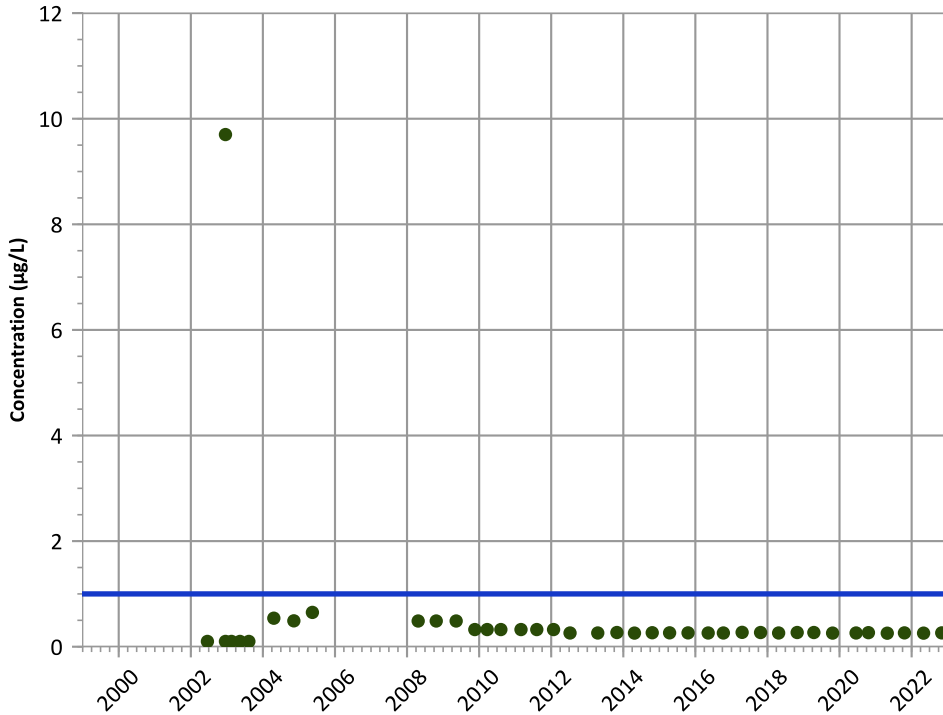
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

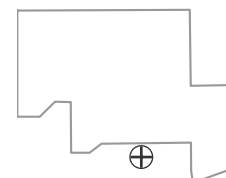
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

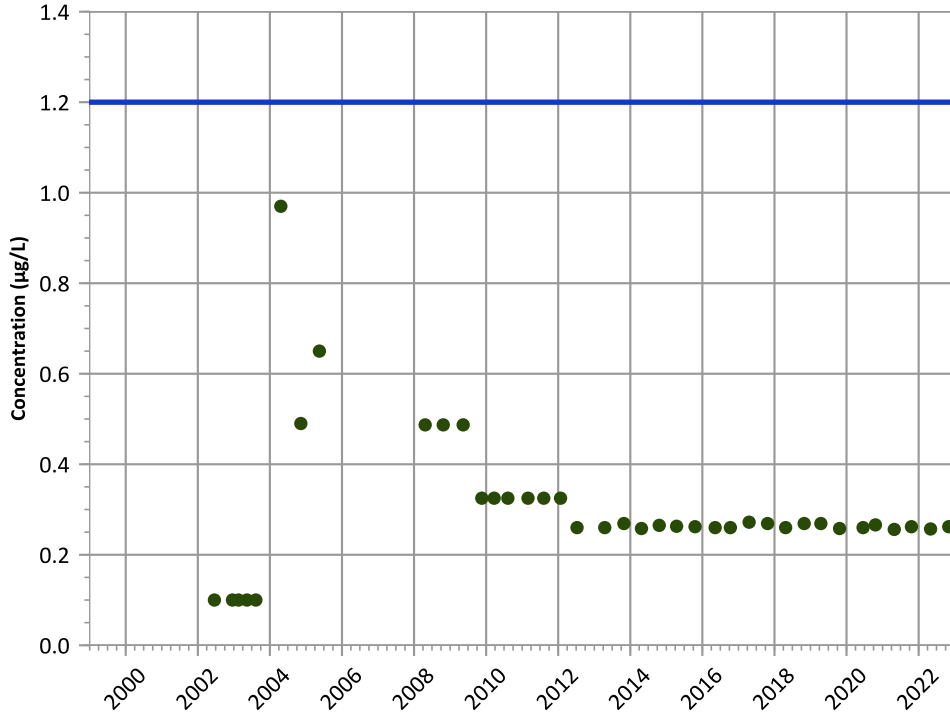
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

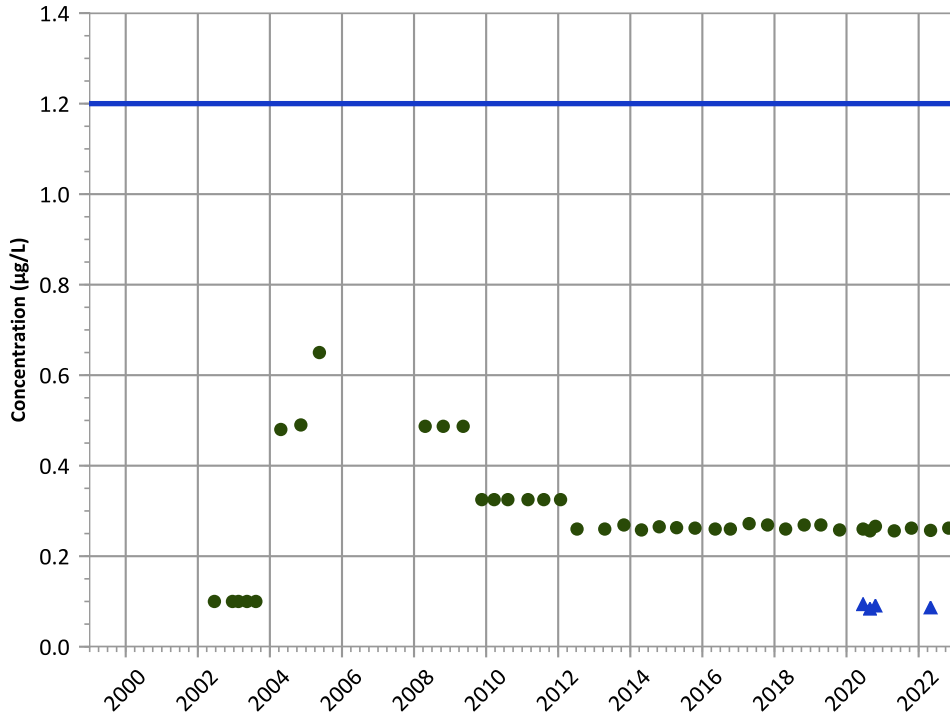
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

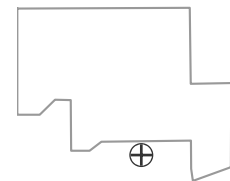
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
Stable  
2020 - 2022 Data:  
Stable

Well Location

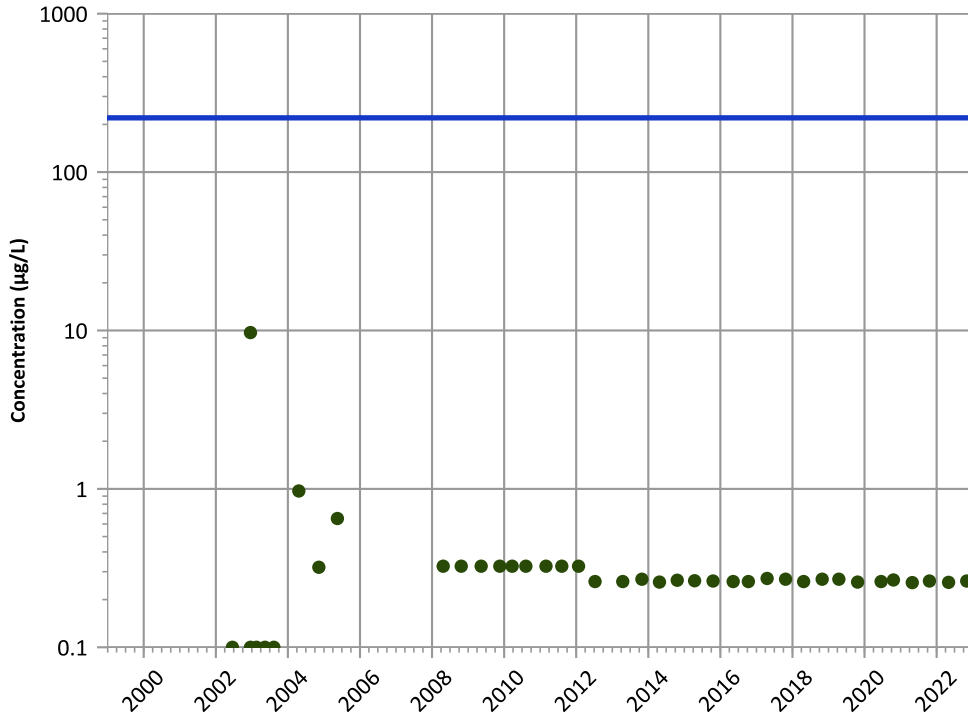


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

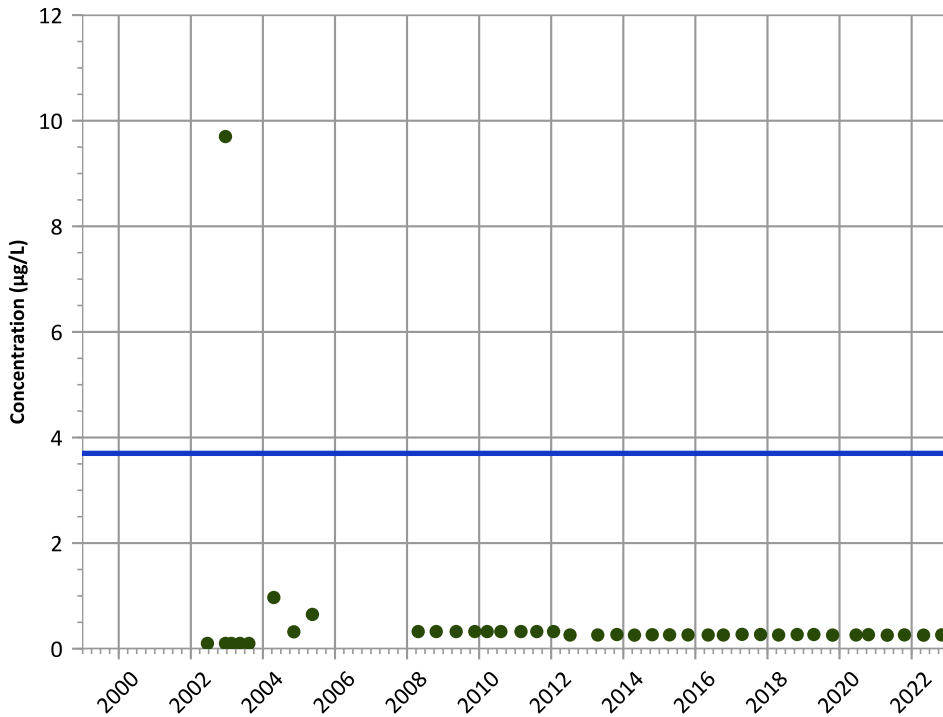
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

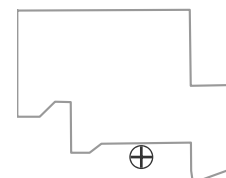
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

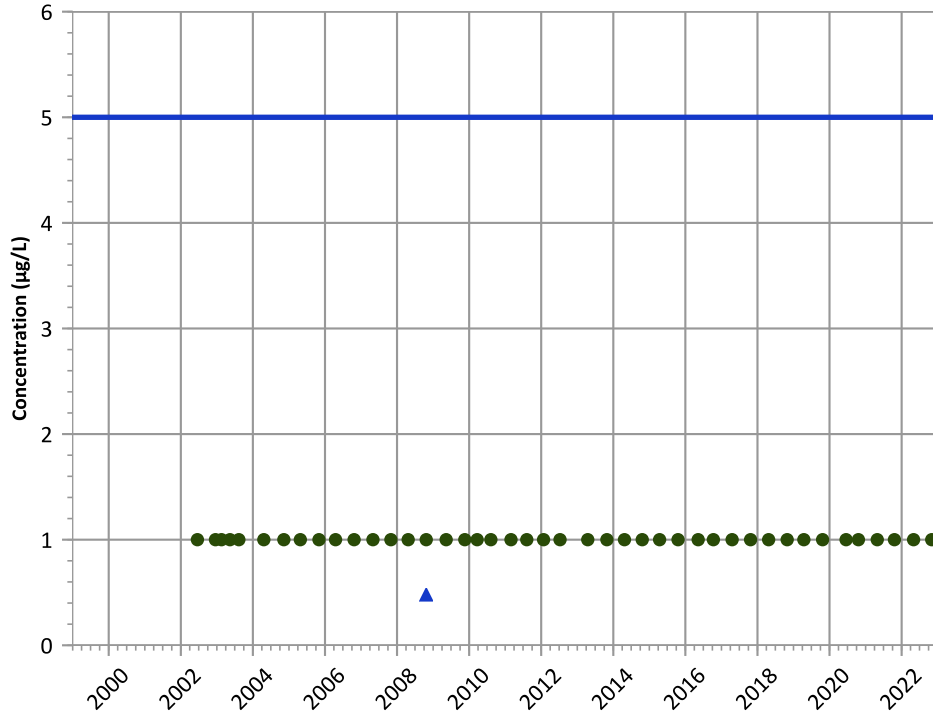
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

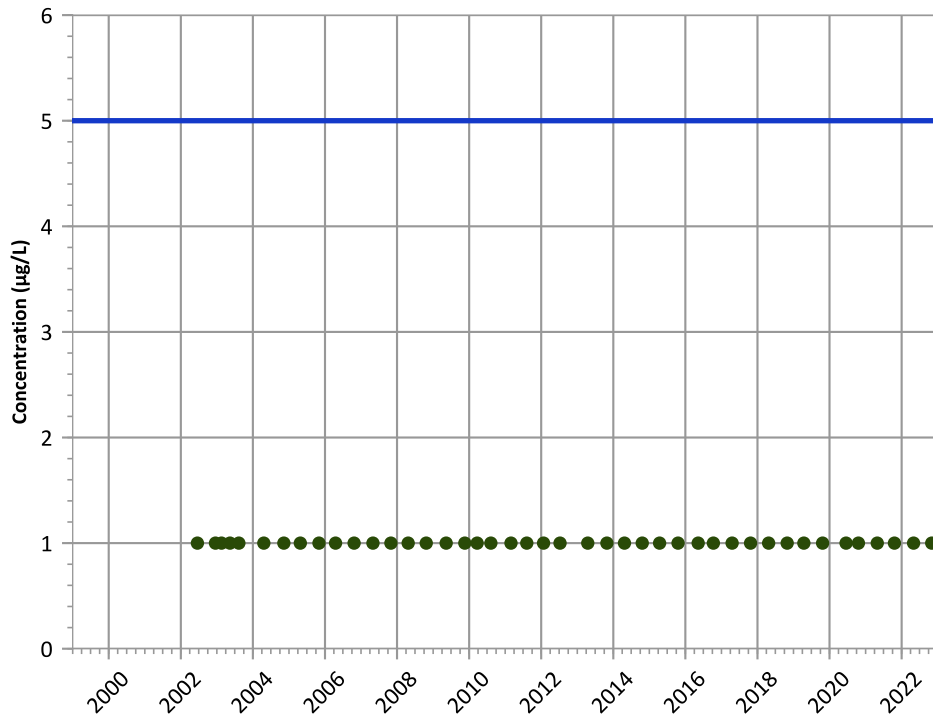


**Concentration Trend**

**MAROS Mann-Kendall Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**



**Concentration Trend**

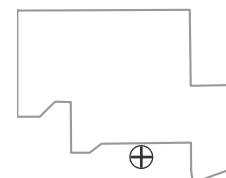
**MAROS Mann-Kendall Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

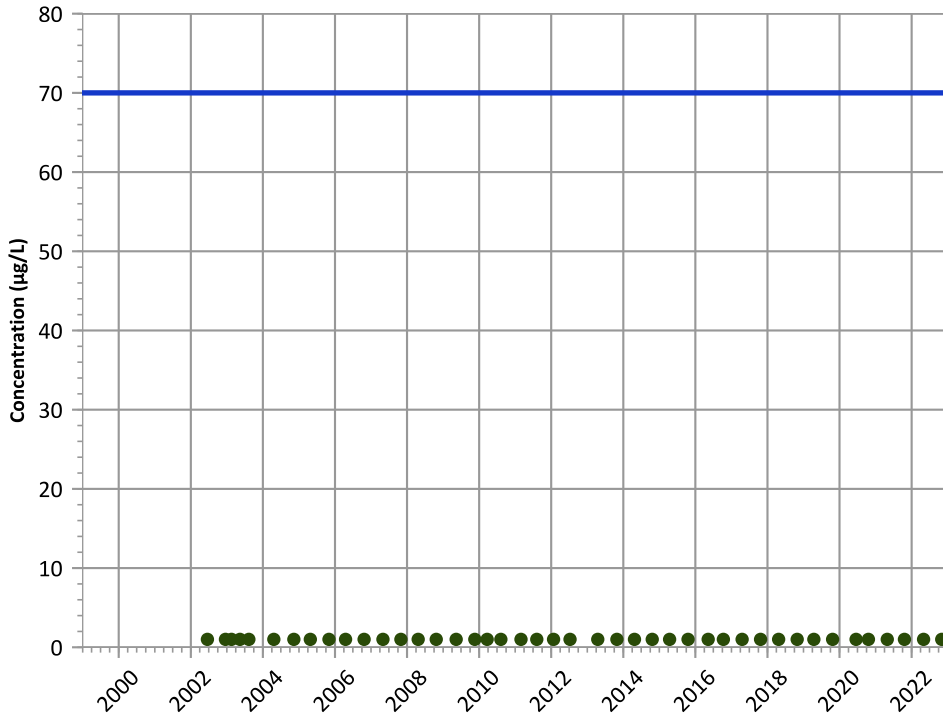
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**





**PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

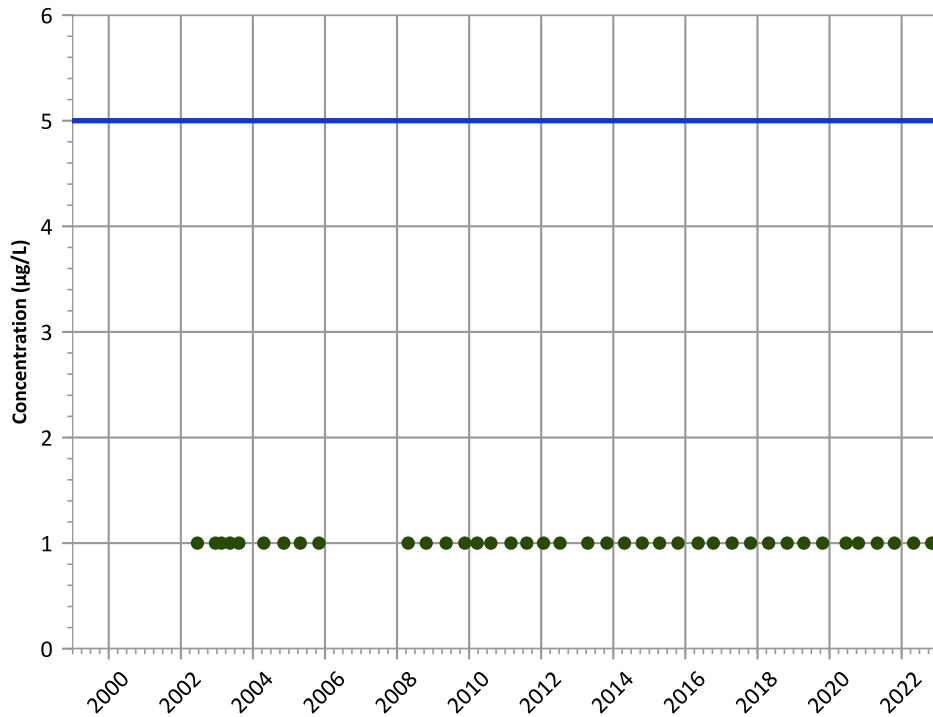
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

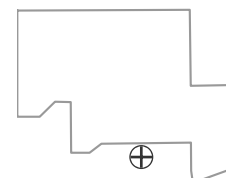
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

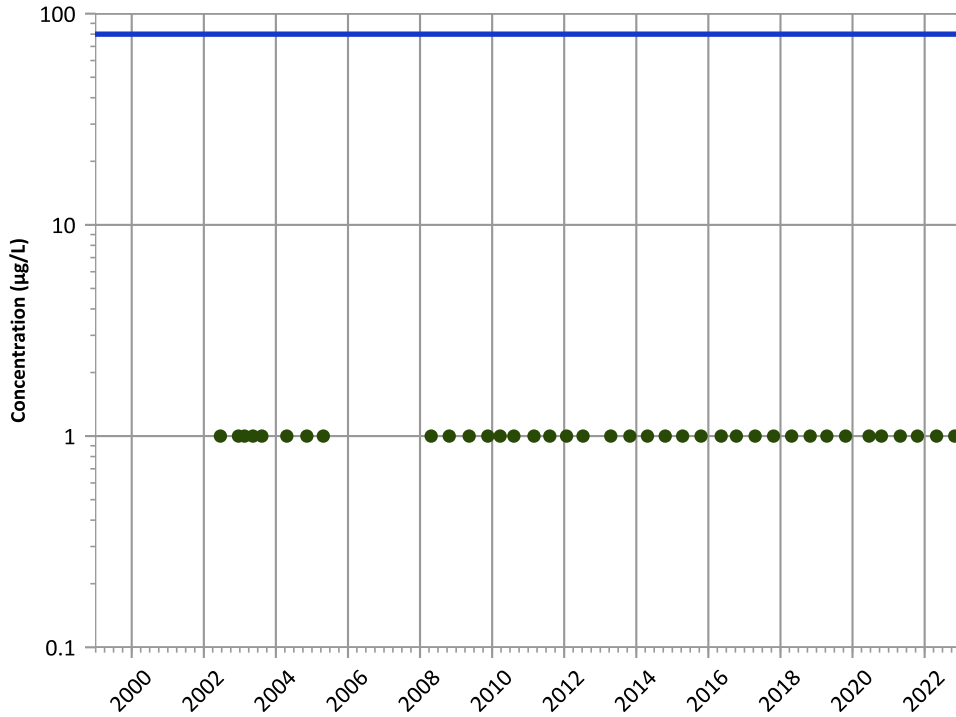
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

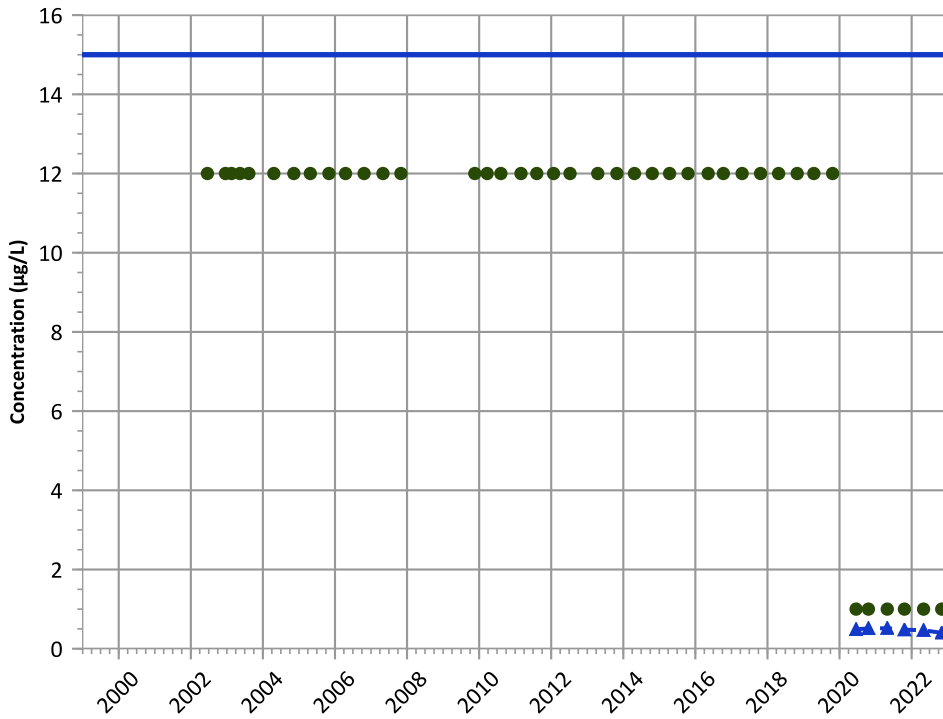
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Perchlorate Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

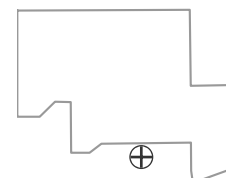
**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

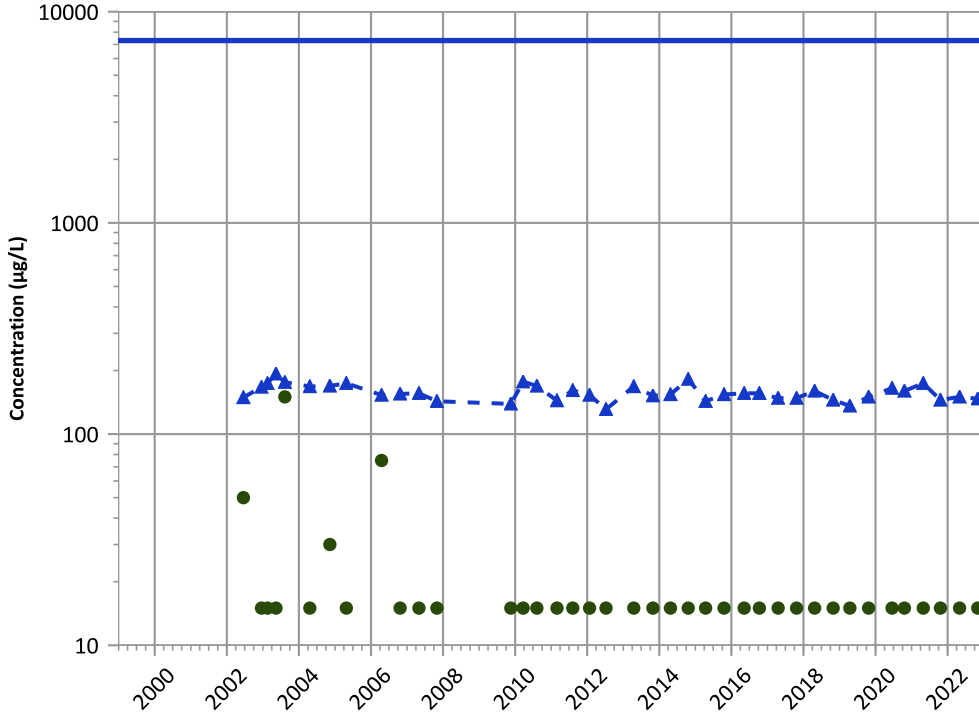
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

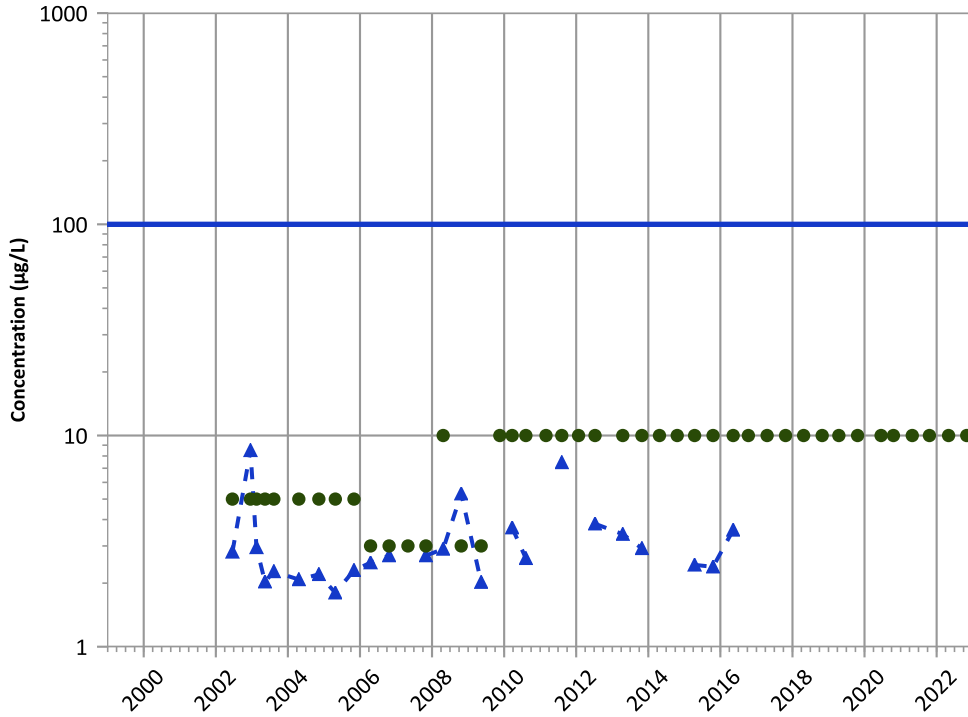
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: Probably Decreasing

Probably Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing

2020 - 2022 Data: All Non-Detect

All Non-Detect

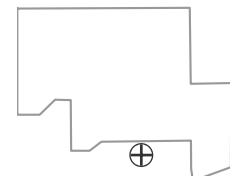
MAROS Linear Regression Method

All Data: No Trend

2020 - 2022 Data: No Trend

No Trend

Well Location

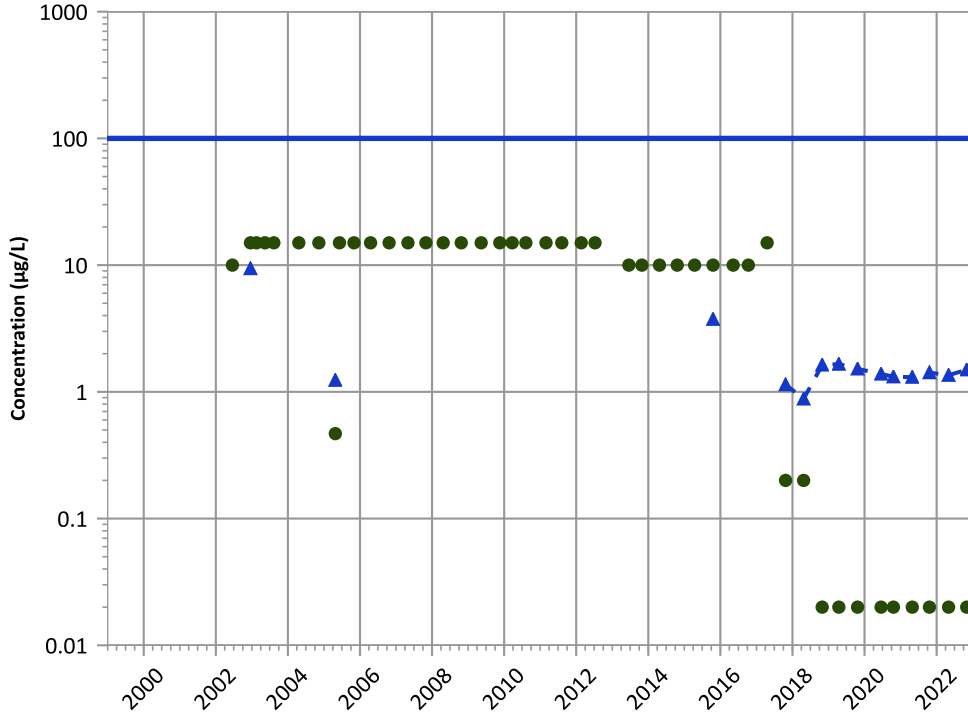


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

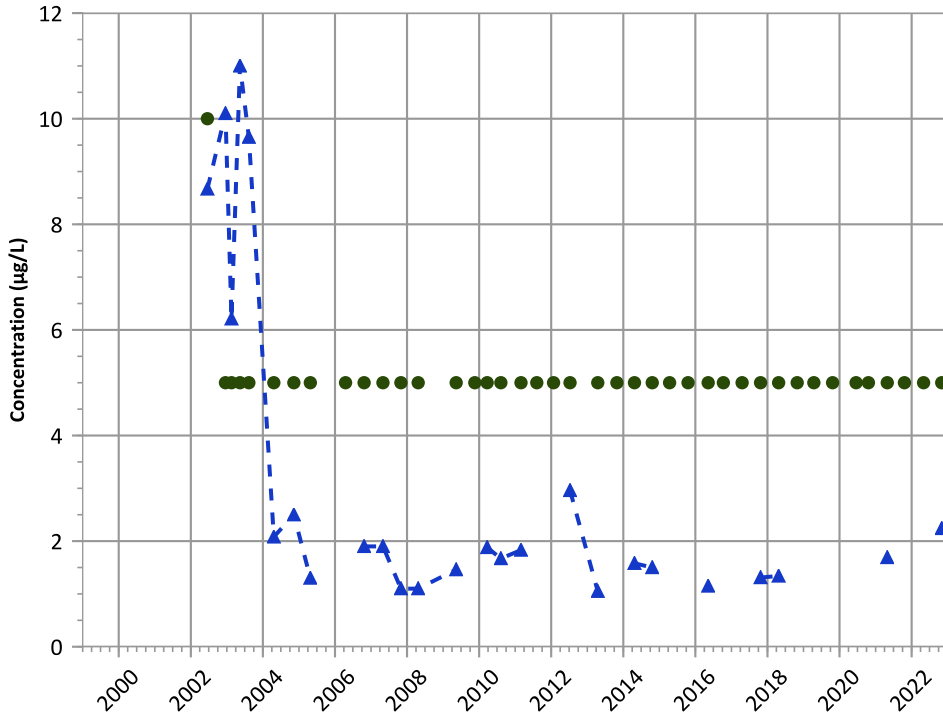
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

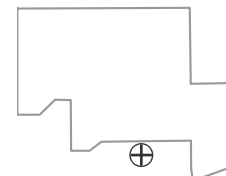
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

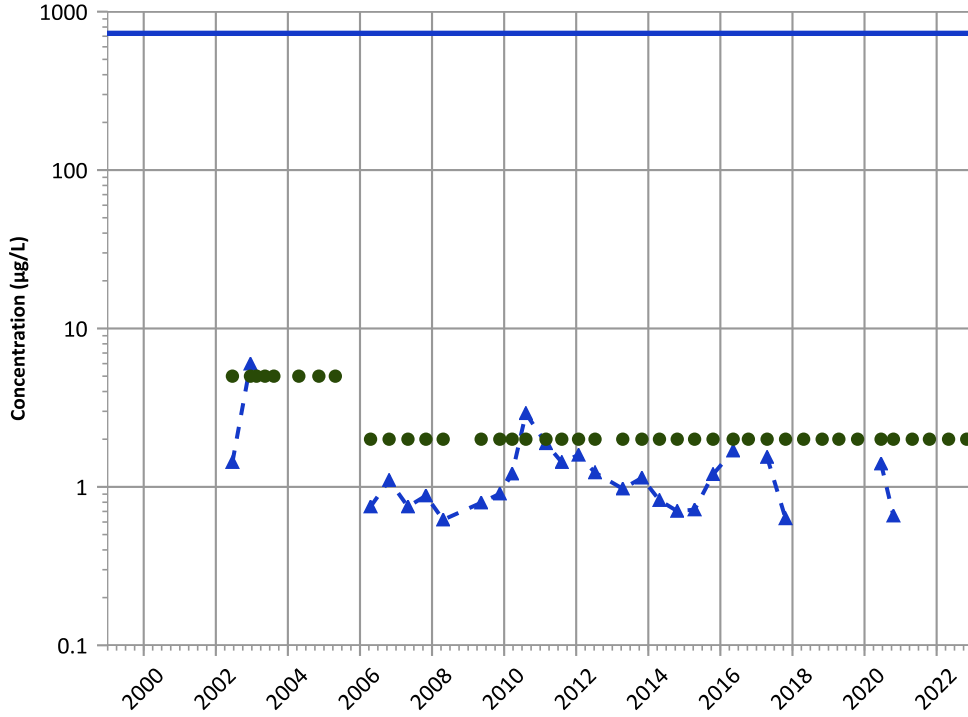
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

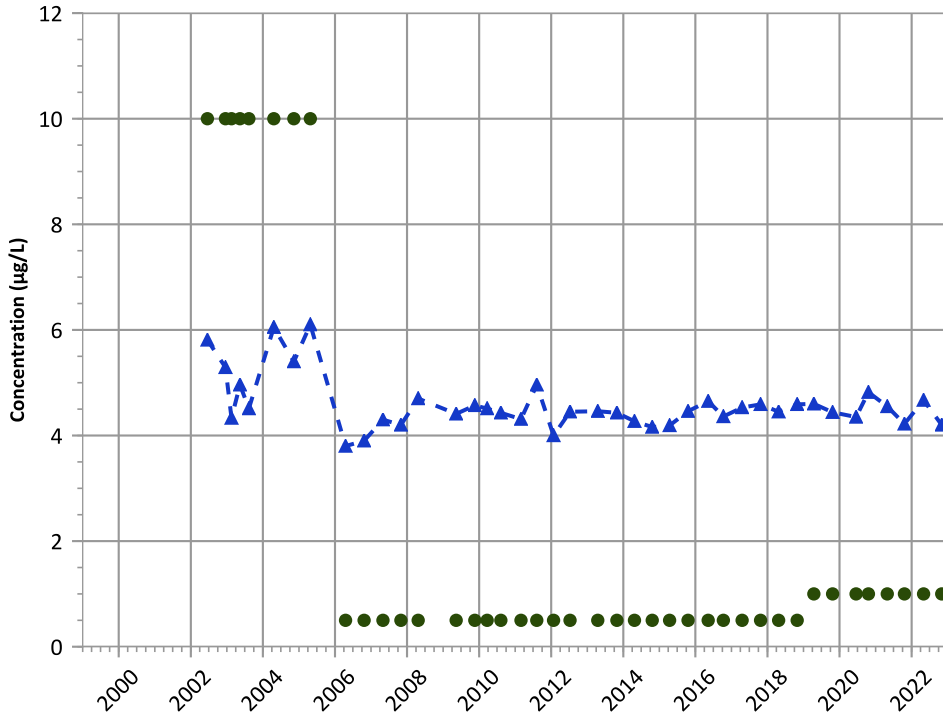
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
Probably Decreasing  
2020 - 2022 Data:  
Stable

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

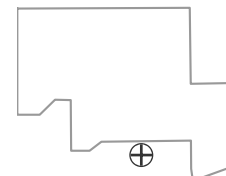
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

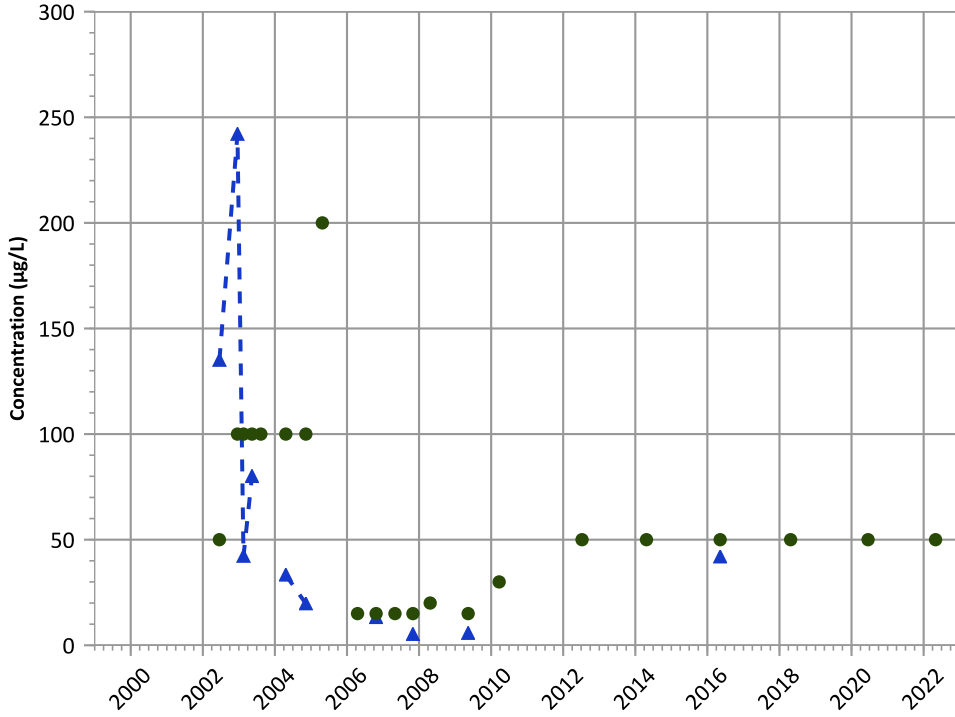
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Aluminum Trend



Concentration Trend

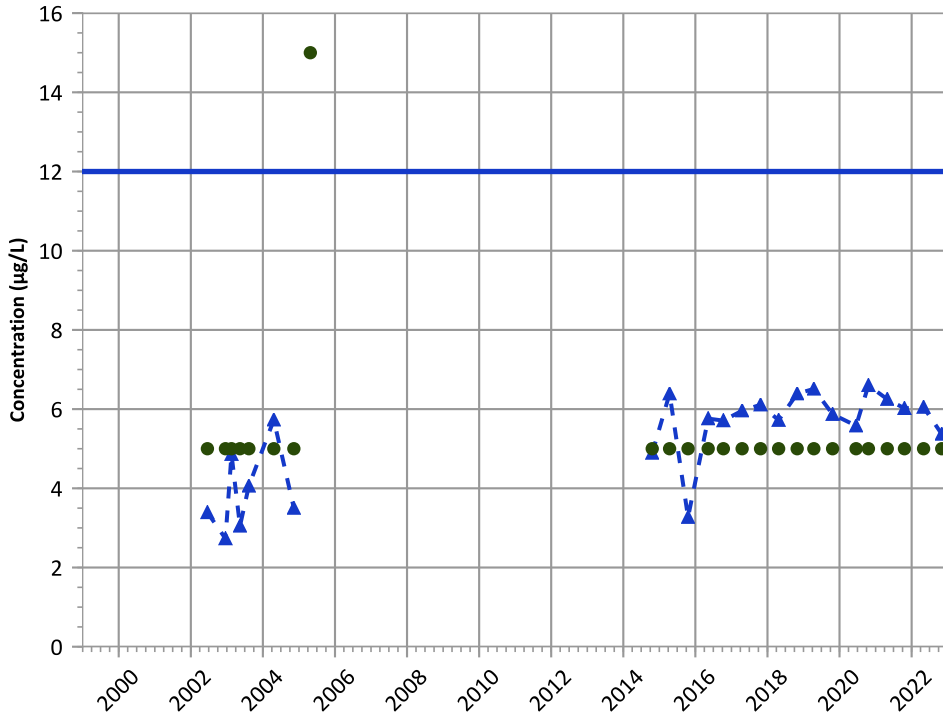
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
Decreasing

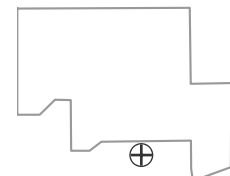
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

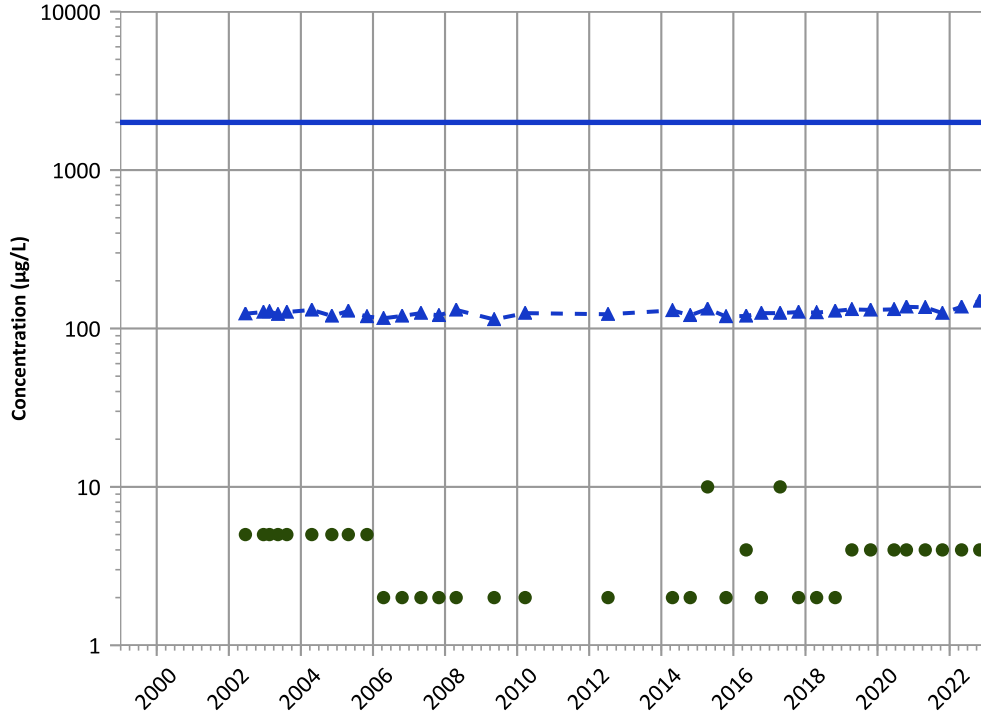
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

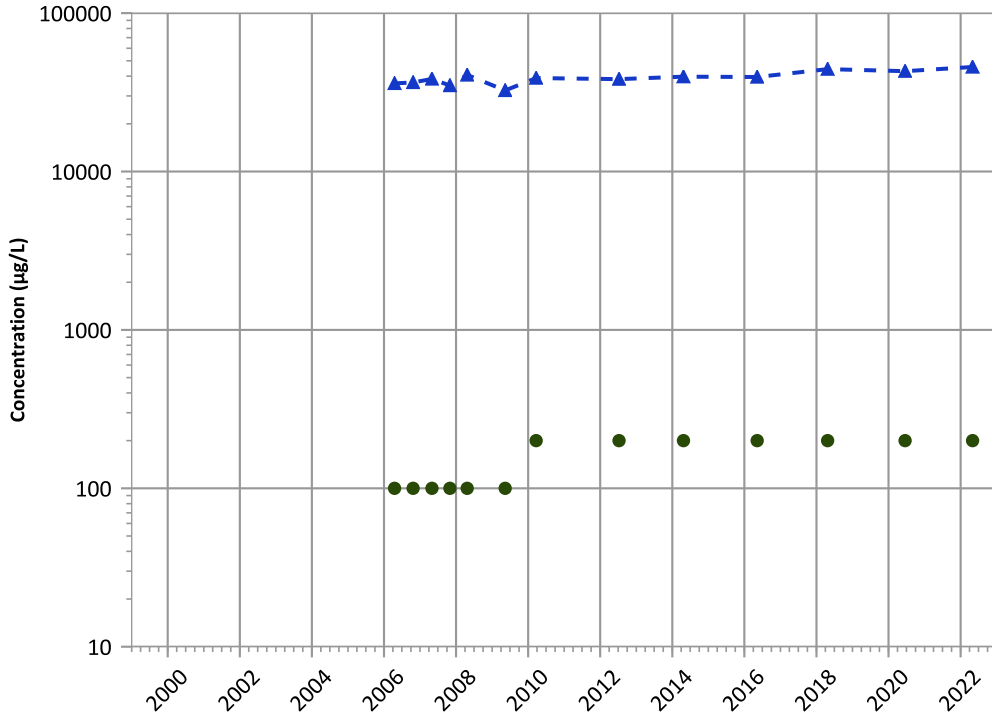
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

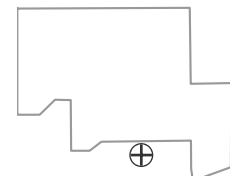
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

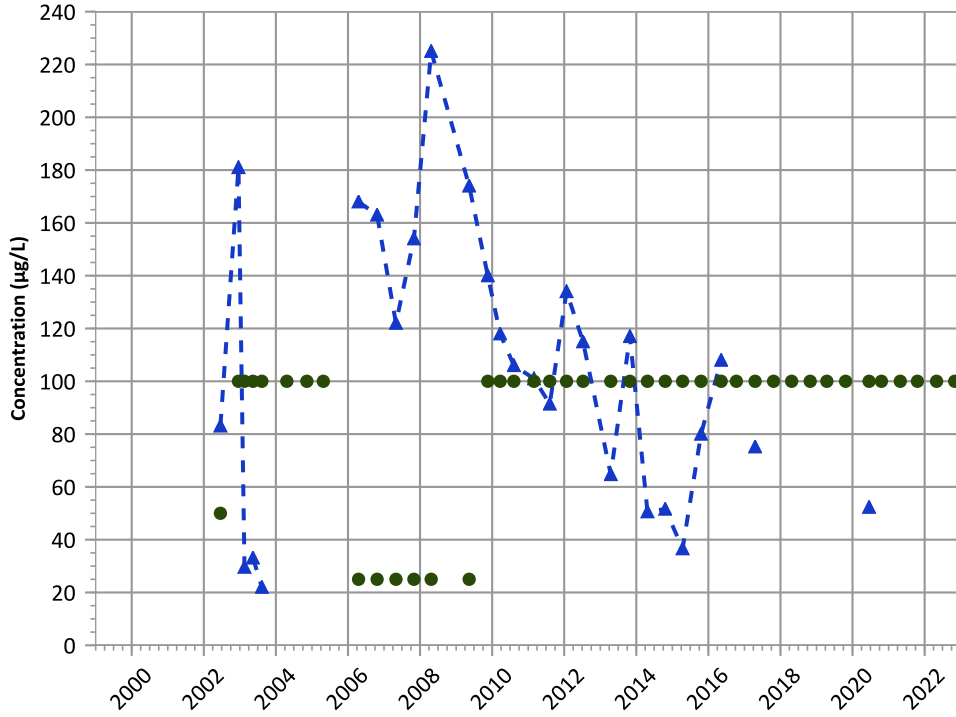
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

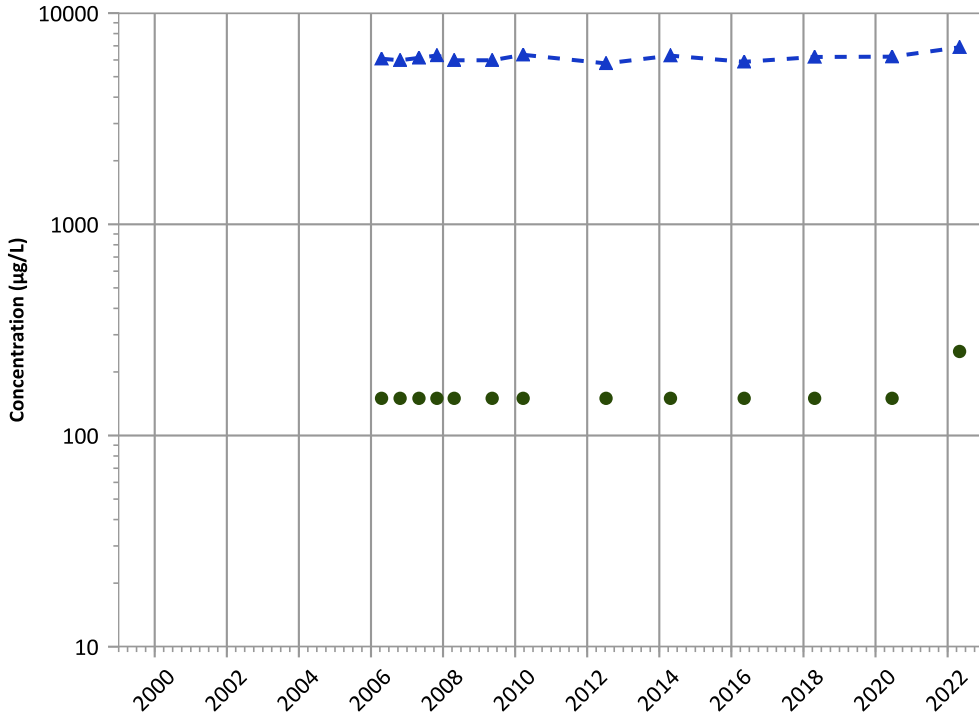
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Stable

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Increasing

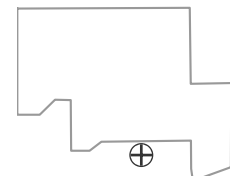
MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

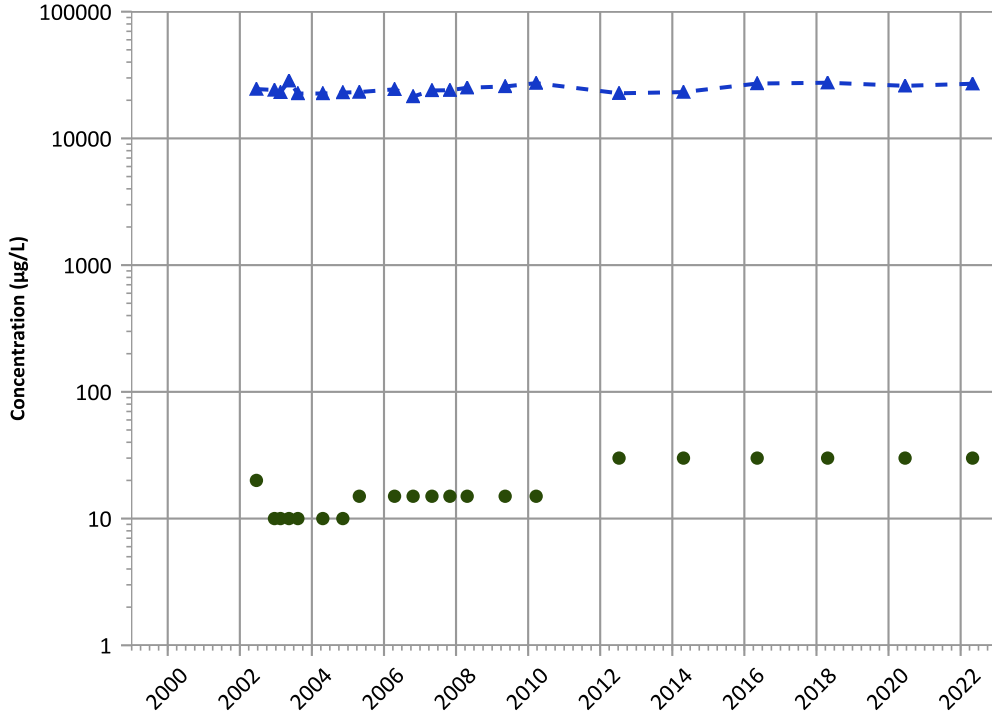
Well Location





PTX06-1076 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

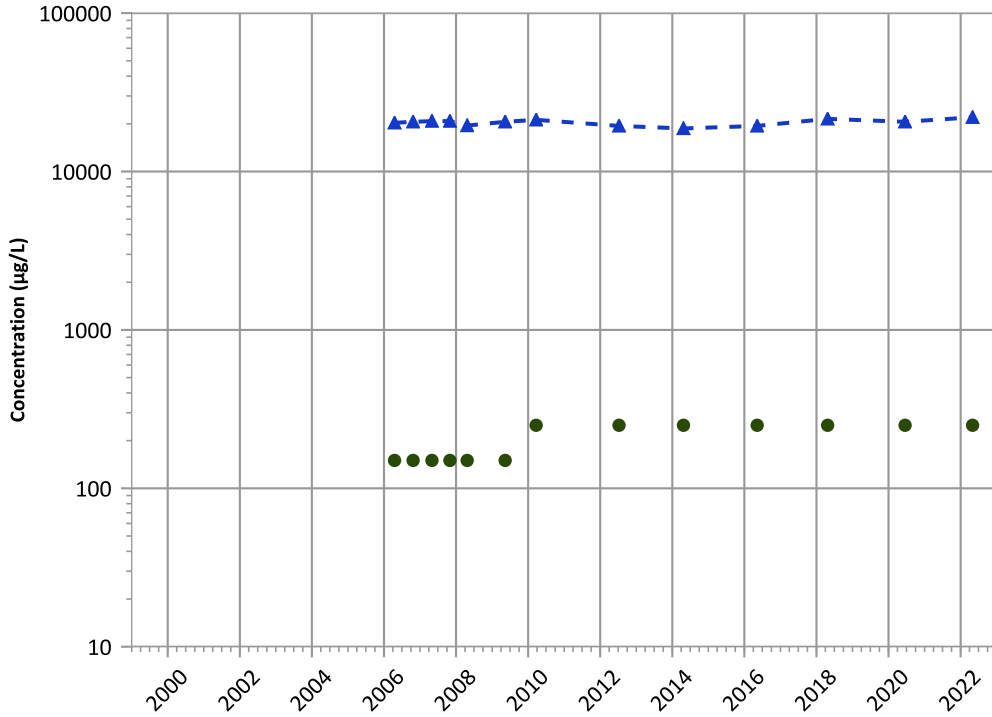
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Sodium Trend



Concentration Trend

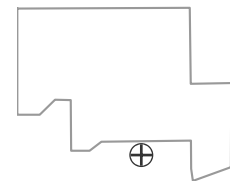
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

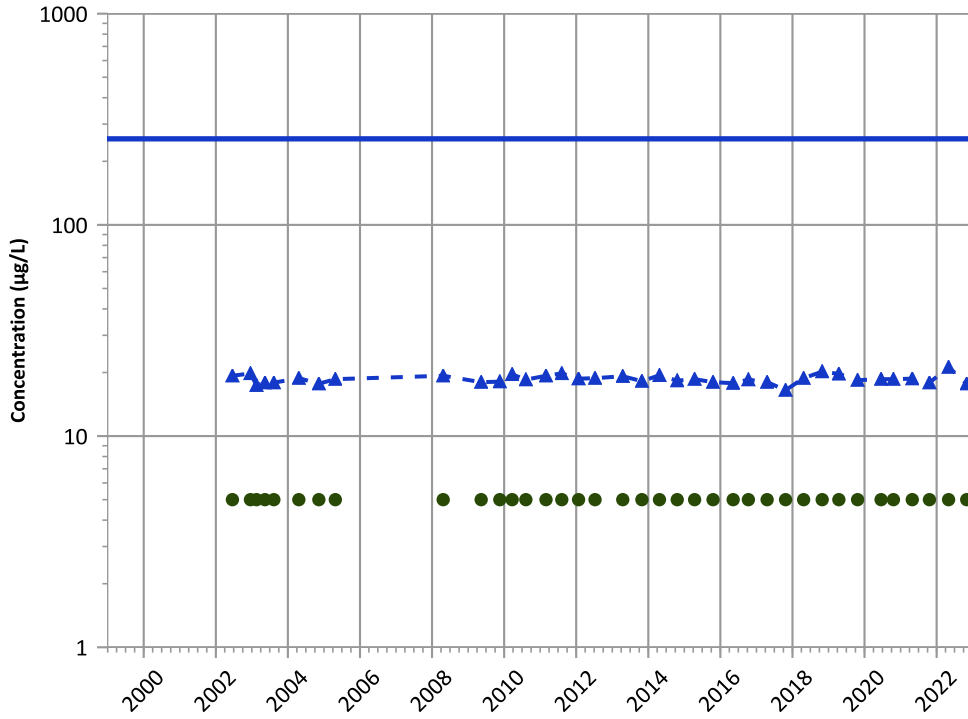
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/18/2002 to 11/02/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 Vanadium Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data: No Trend  
 2020 - 2022 Data: Decreasing

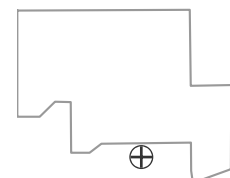
**MAROS Linear Regression Method**

All Data: Increasing  
 2020 - 2022 Data: Stable

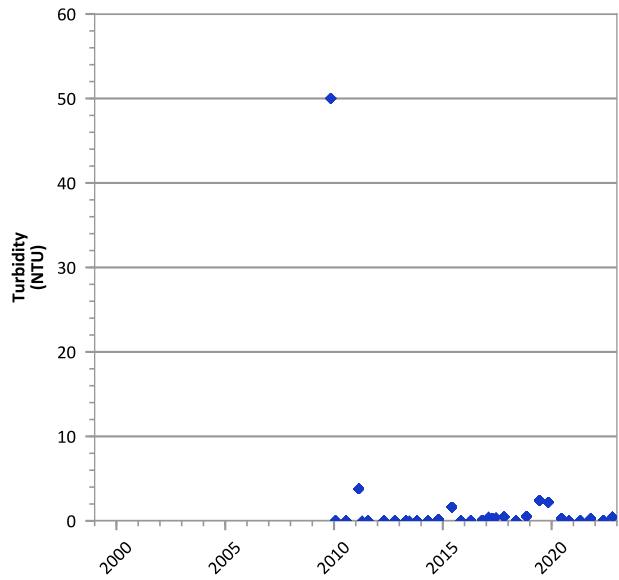
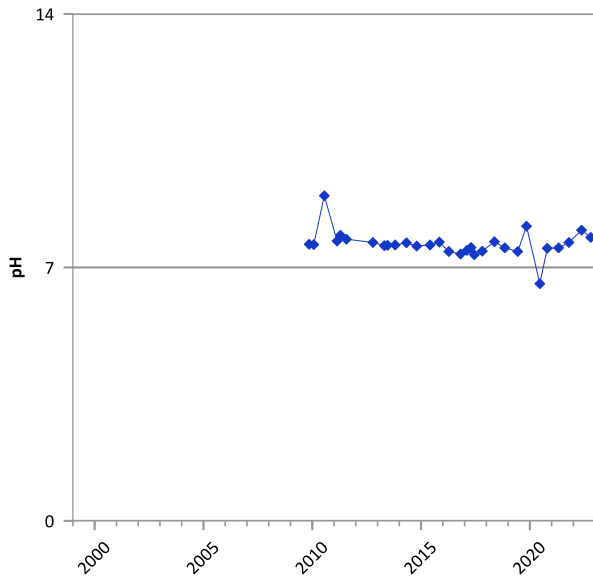
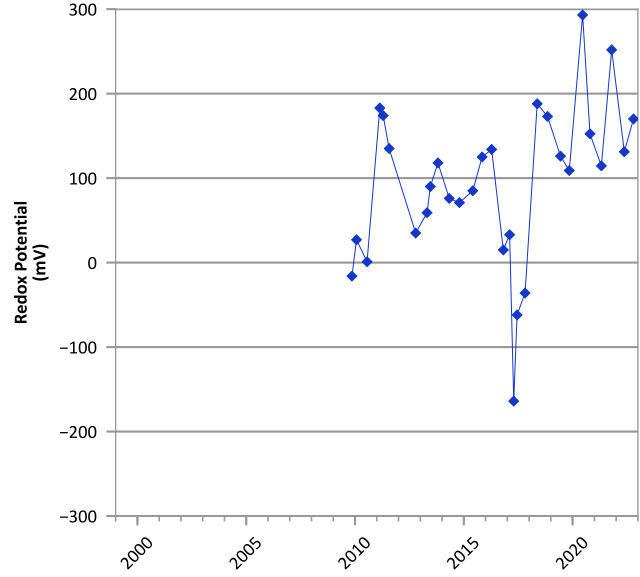
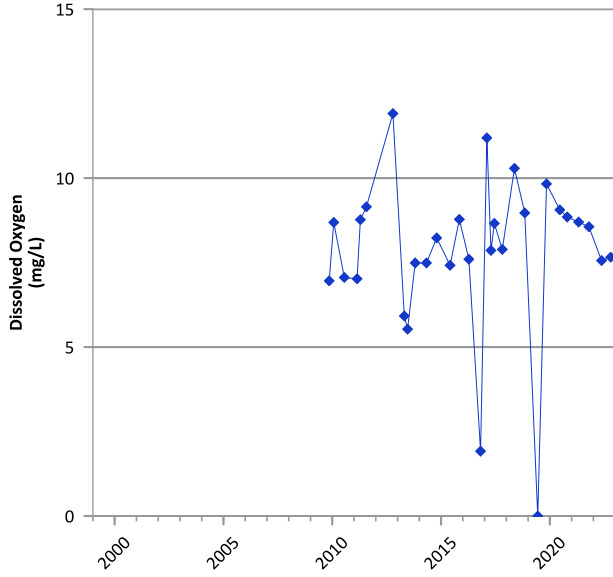
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/18/2002 to 11/02/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

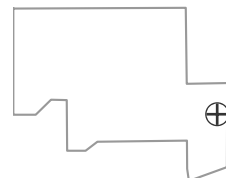


**PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



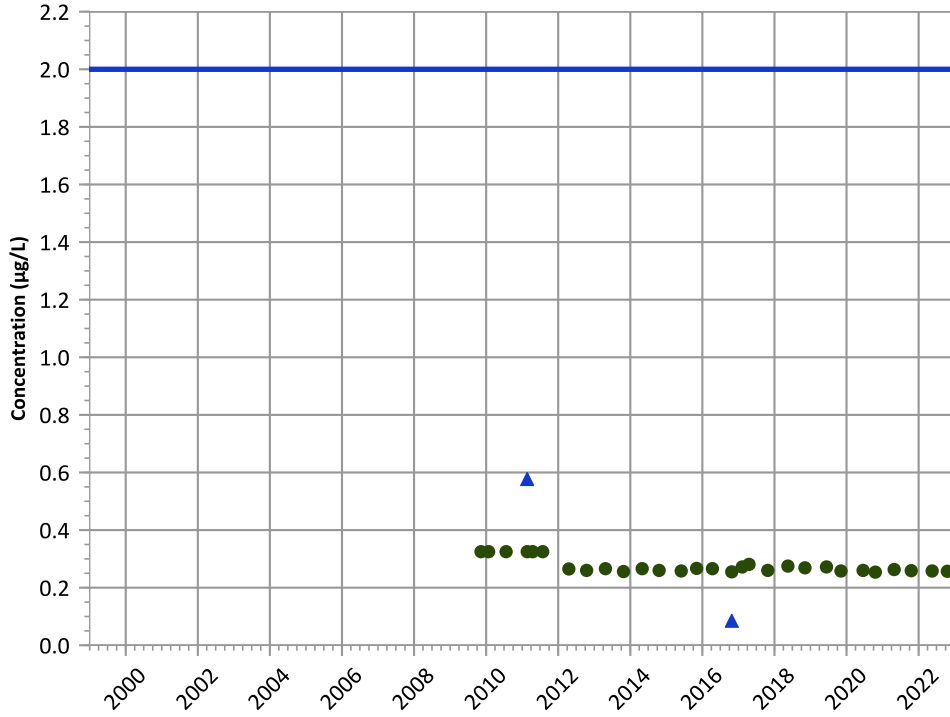
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/10/2009 to 10/19/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

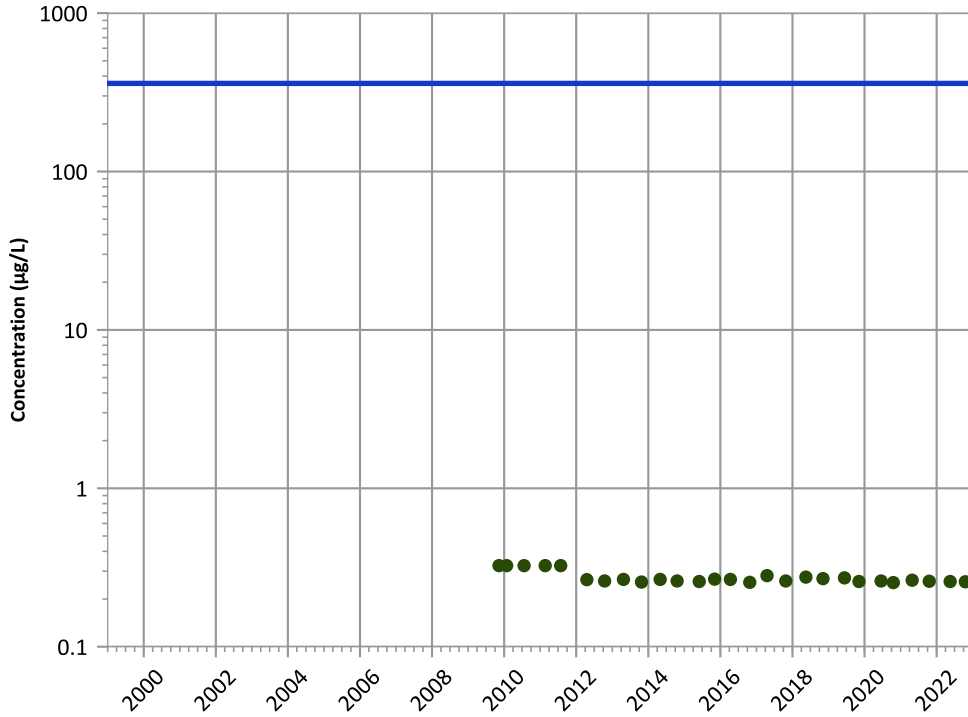


Concentration Trend

MAROS Mann-Kendall Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

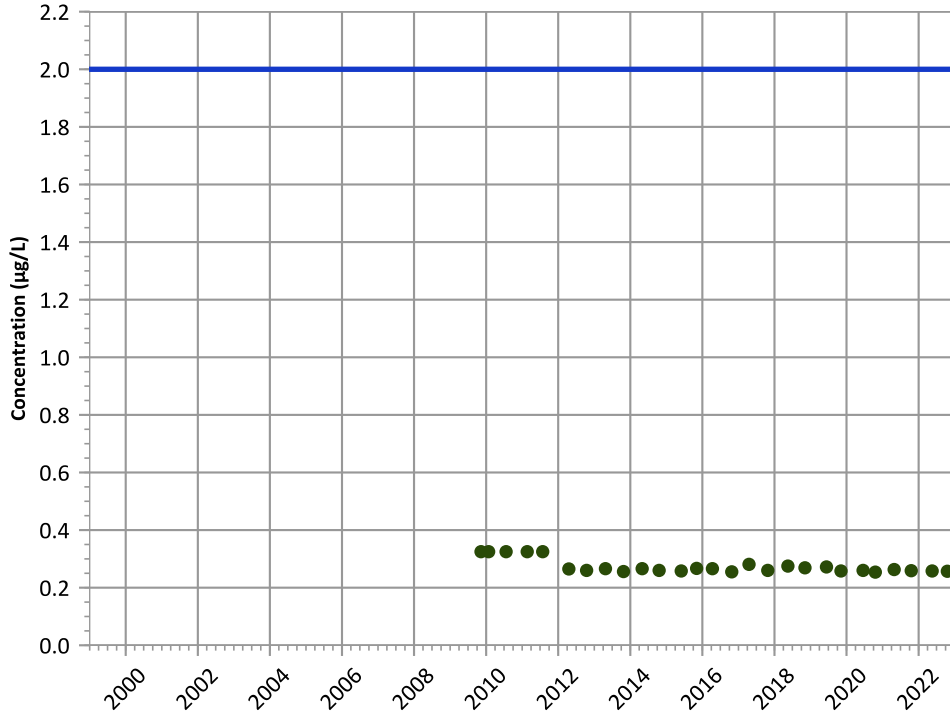
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

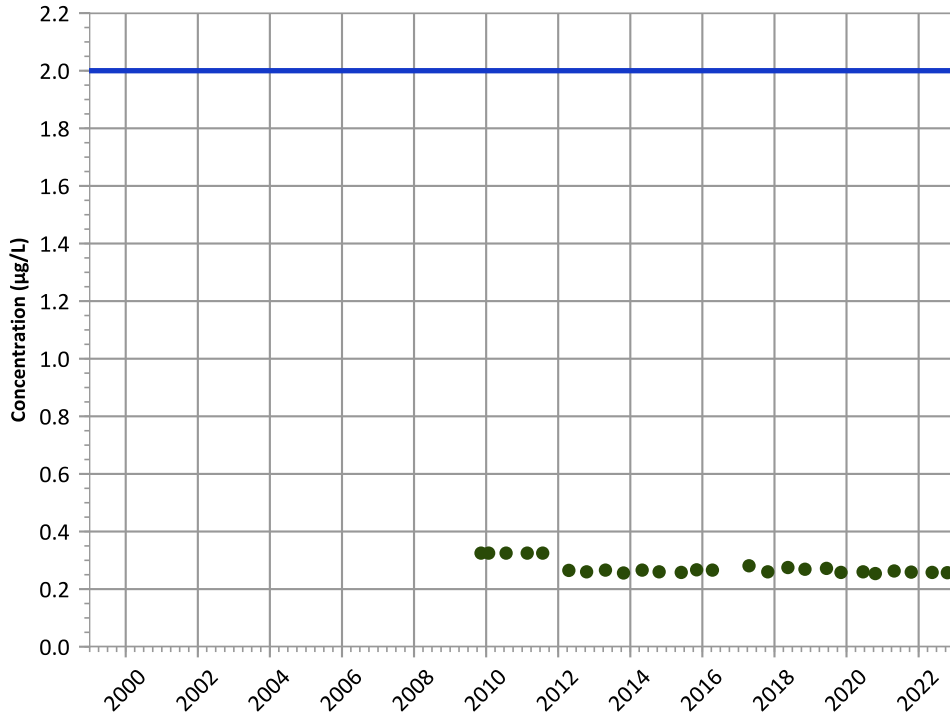
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

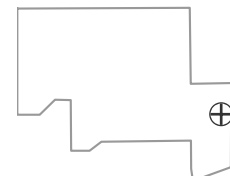
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

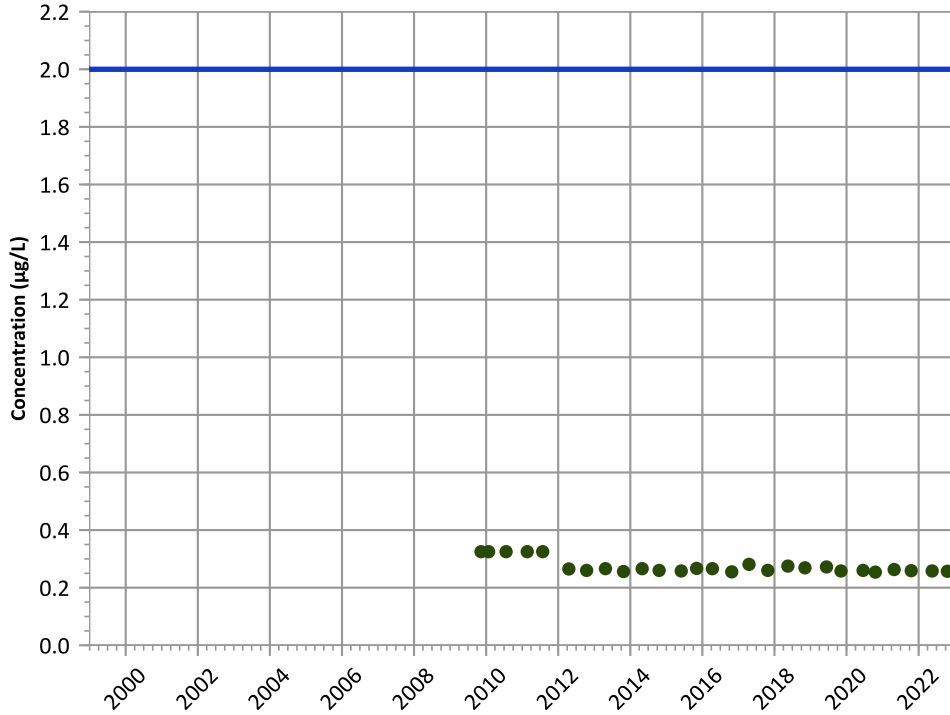
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

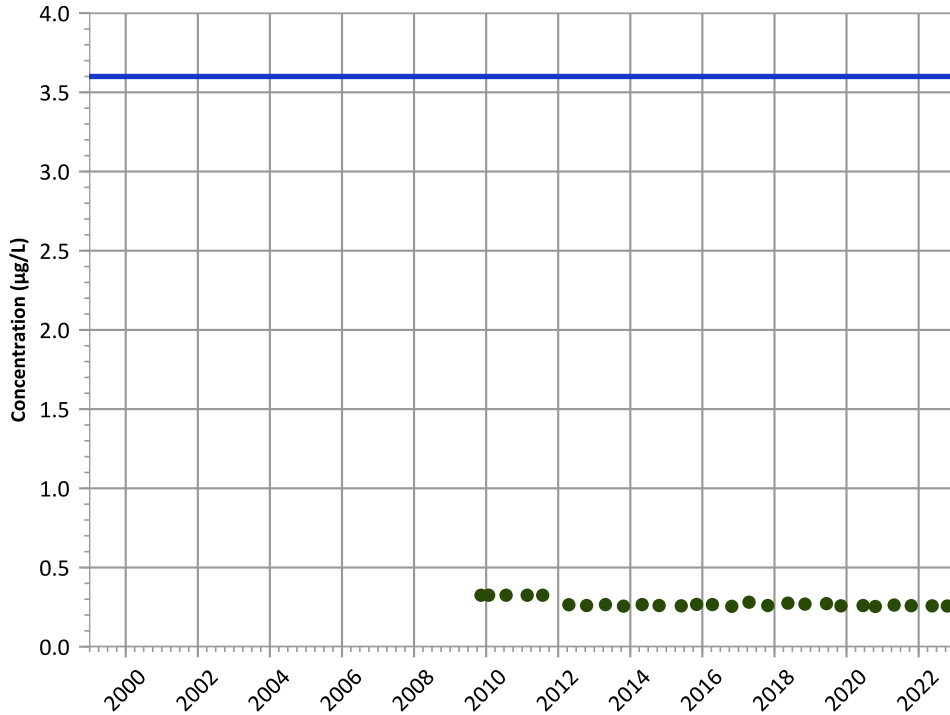
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

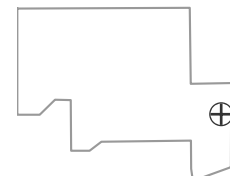
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

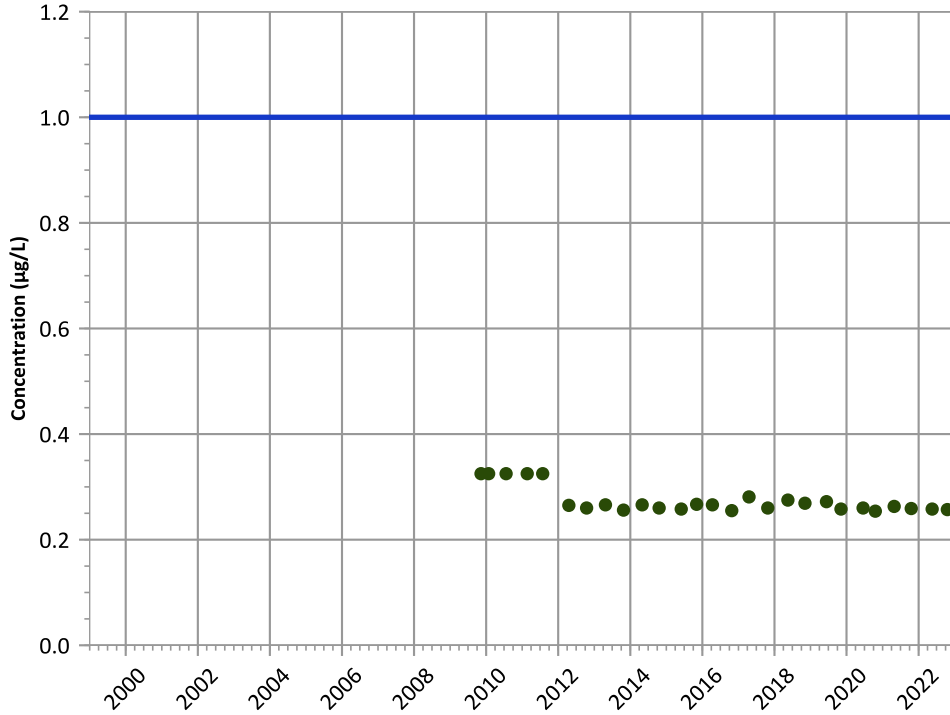
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

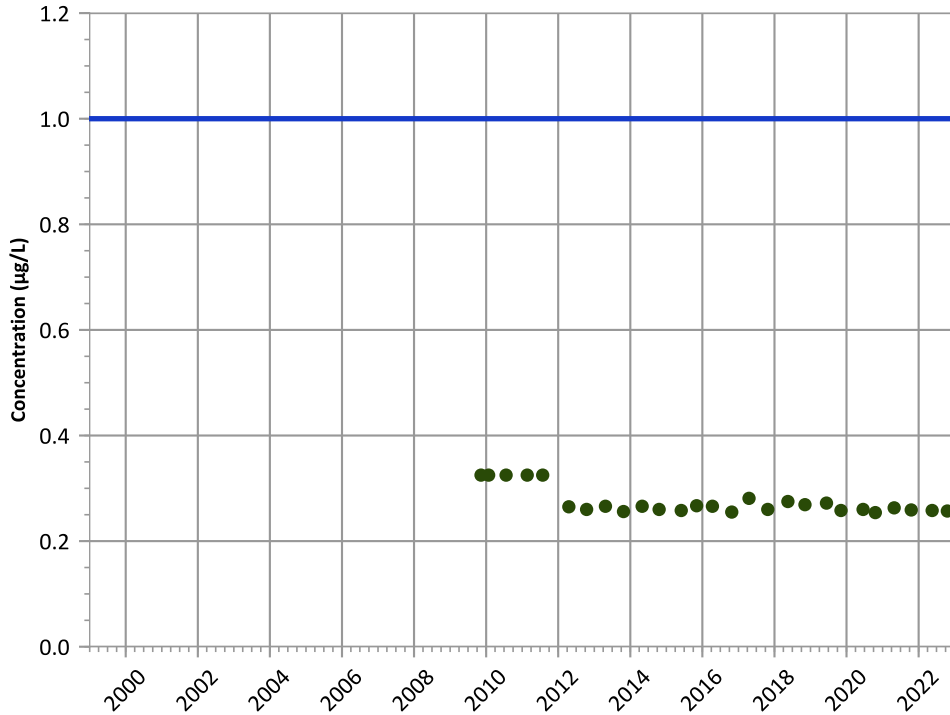
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

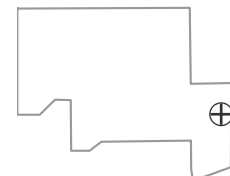
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

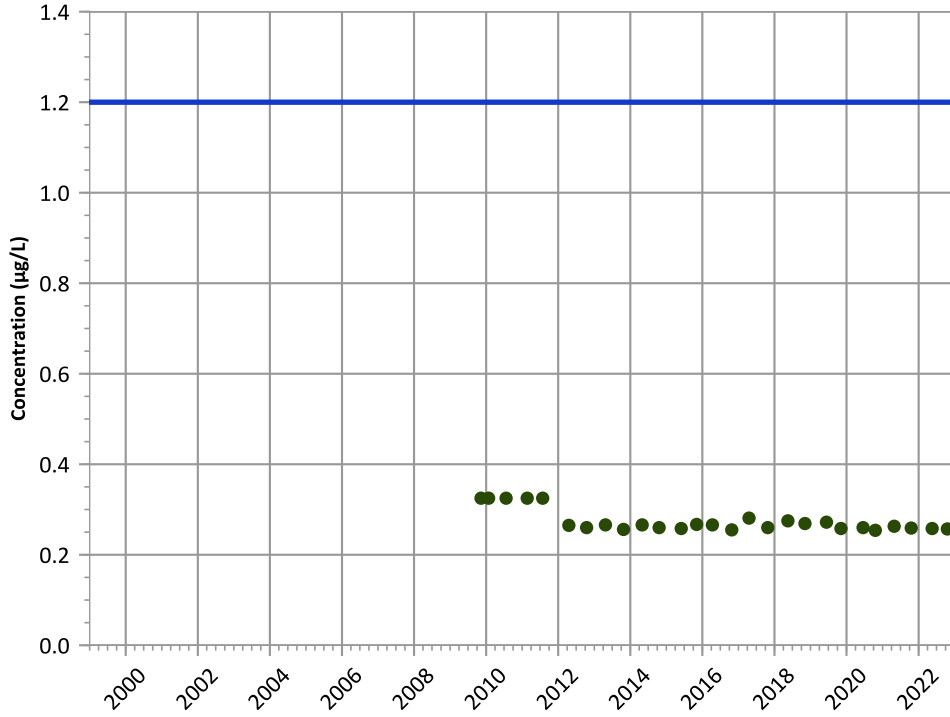


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

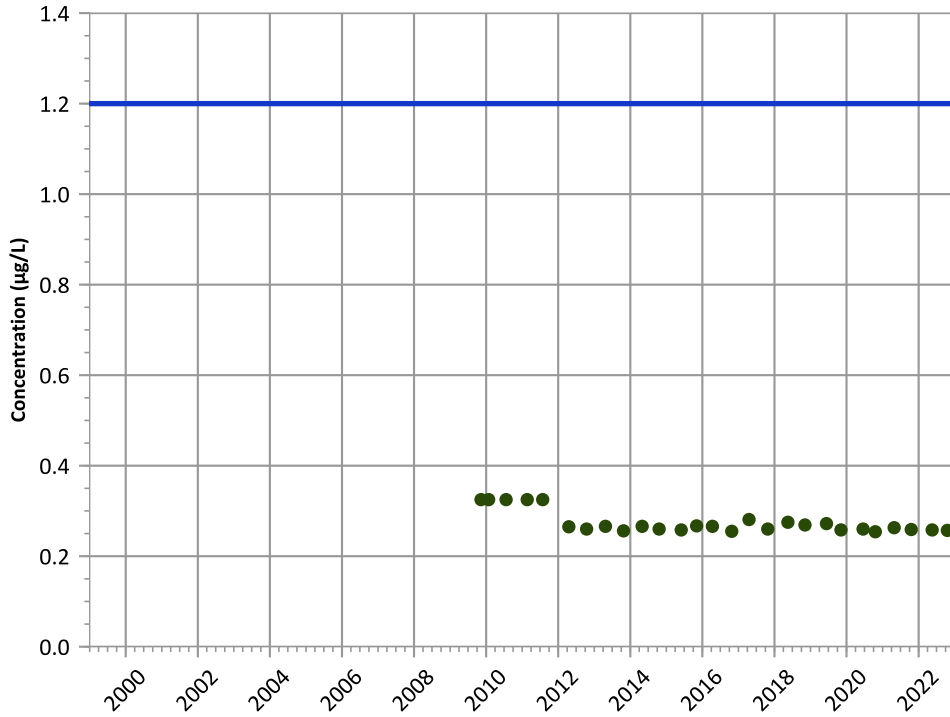
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

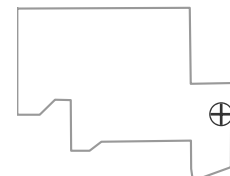
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location



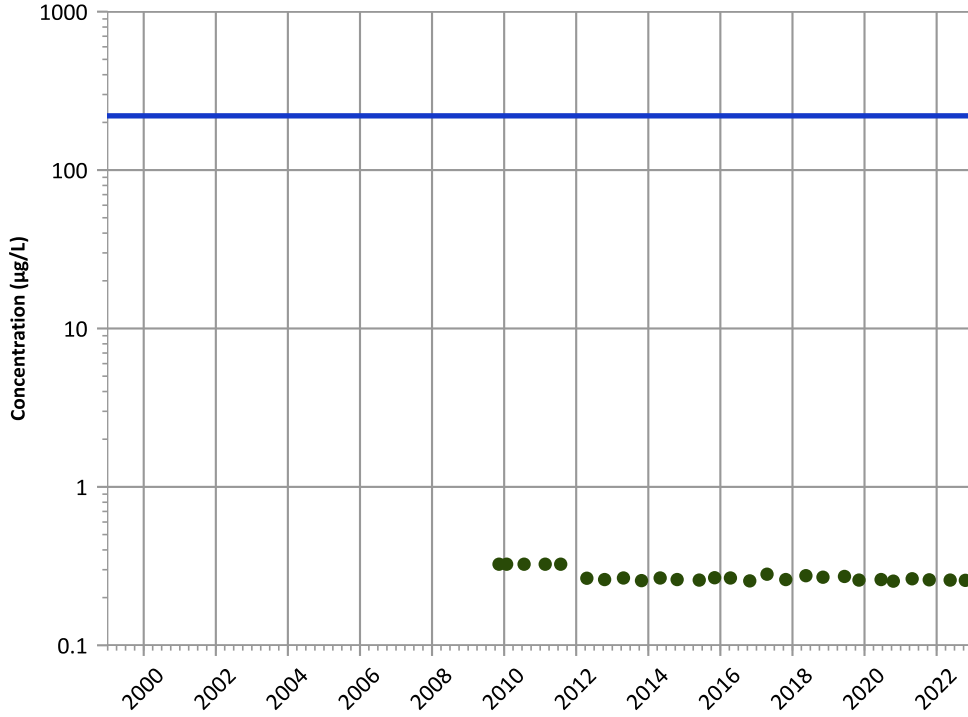
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

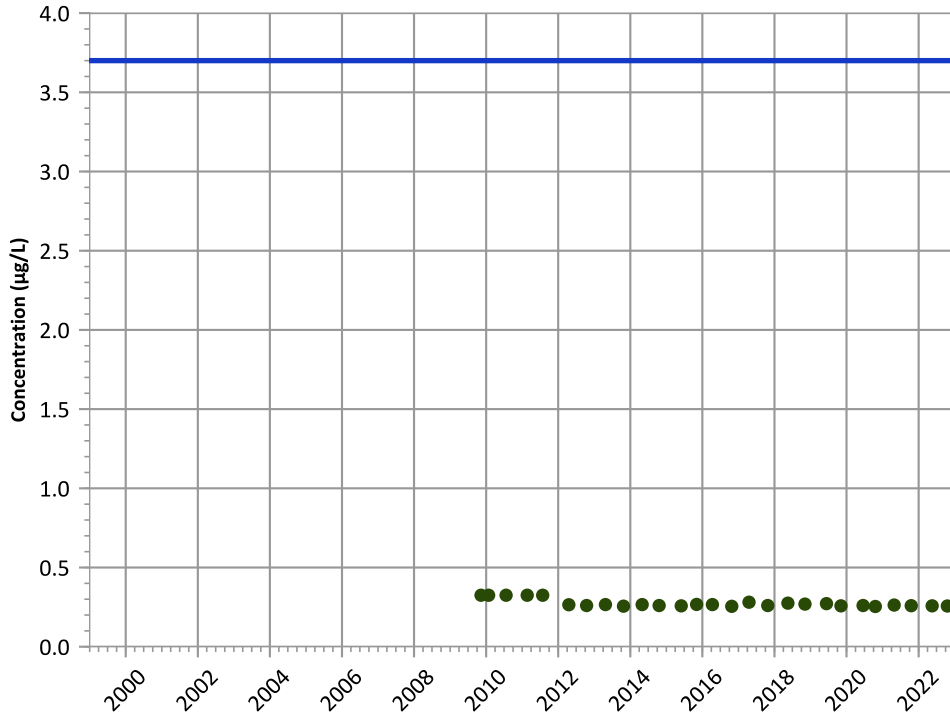
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

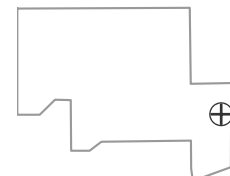
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

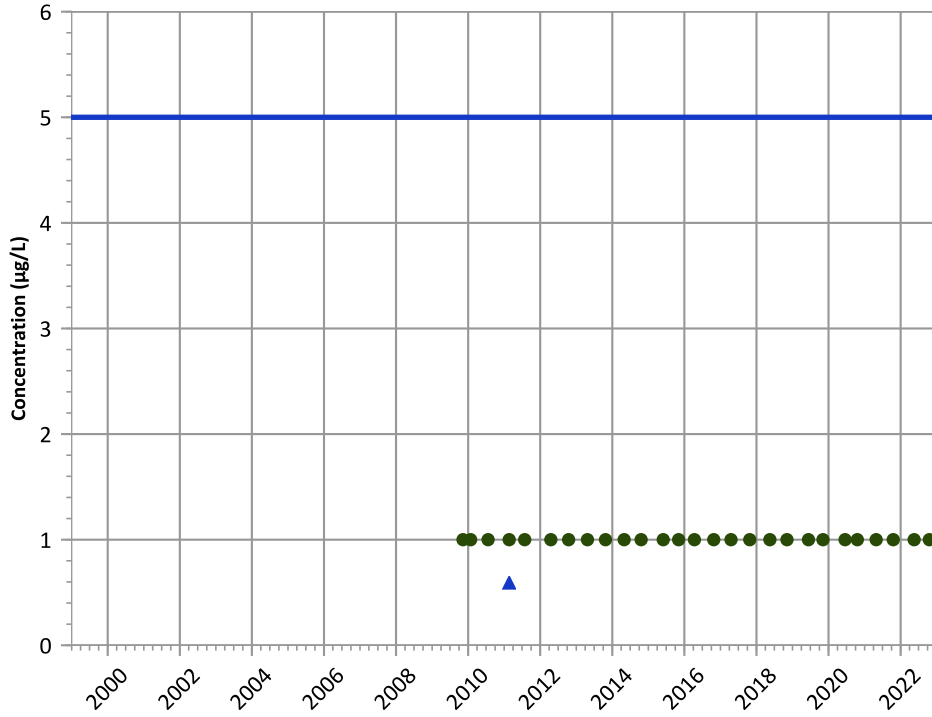
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**

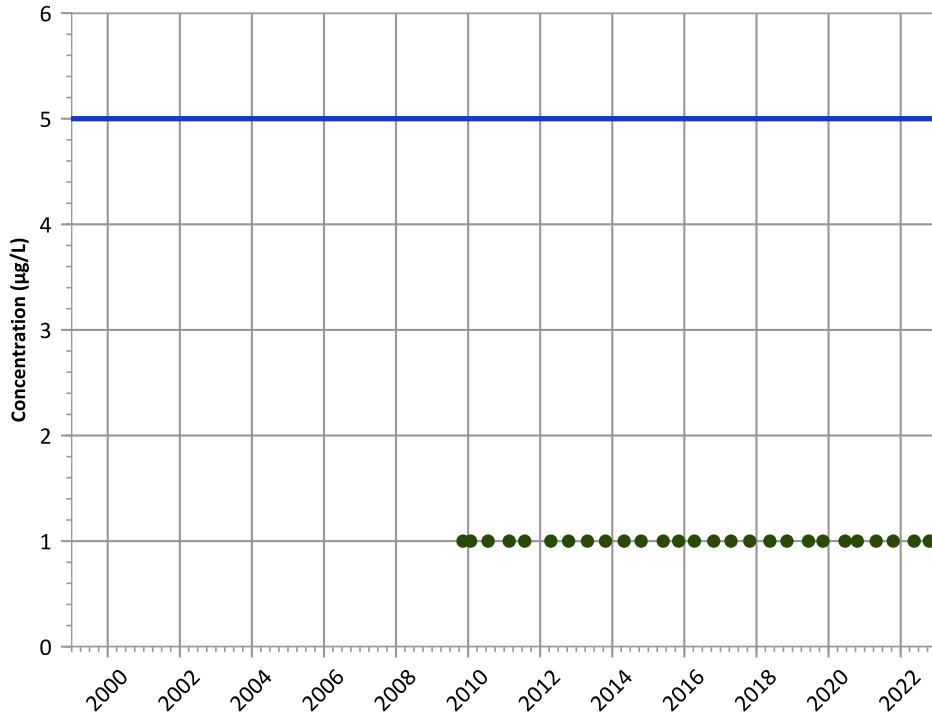


**Concentration Trend**

**MAROS Mann-Kendall Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Trichloroethene Trend**

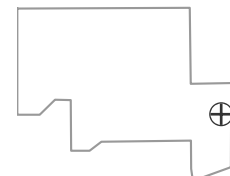


**Concentration Trend**

**MAROS Mann-Kendall Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

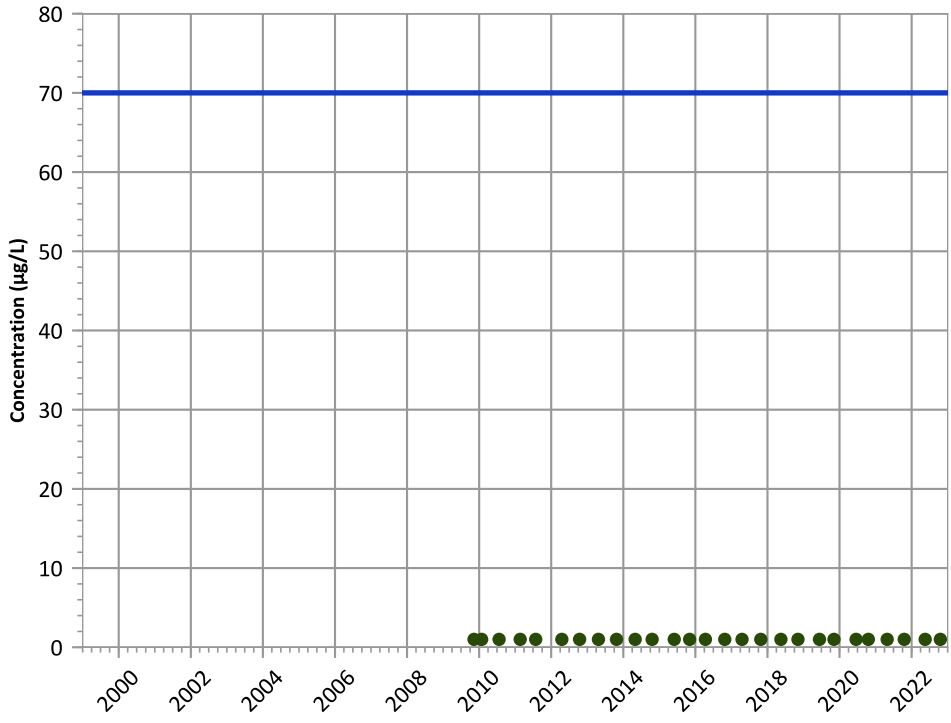
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

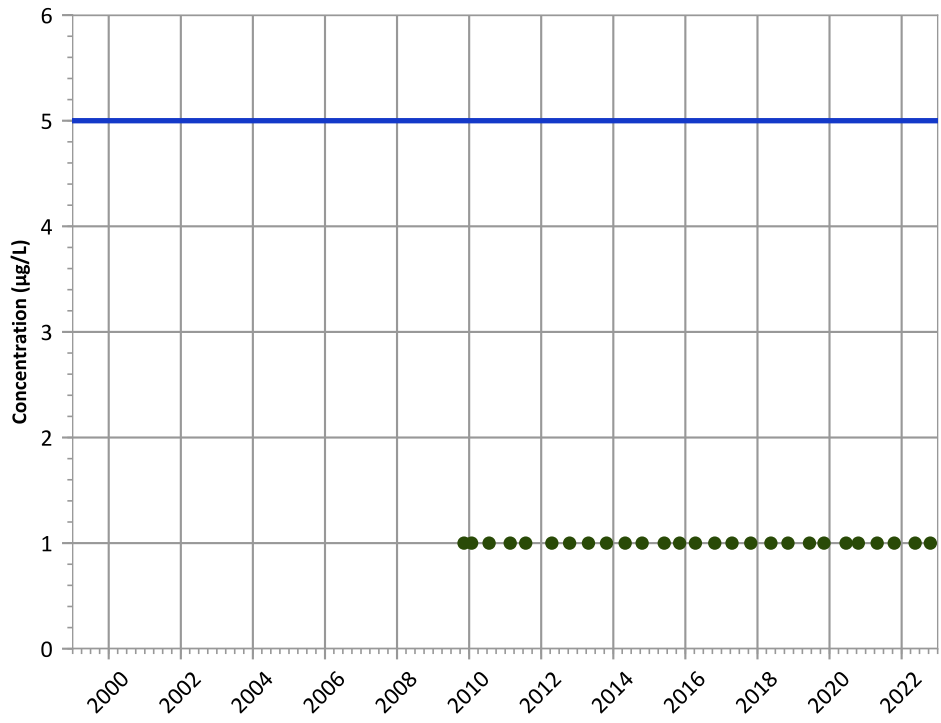
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

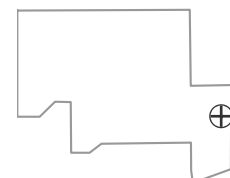
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

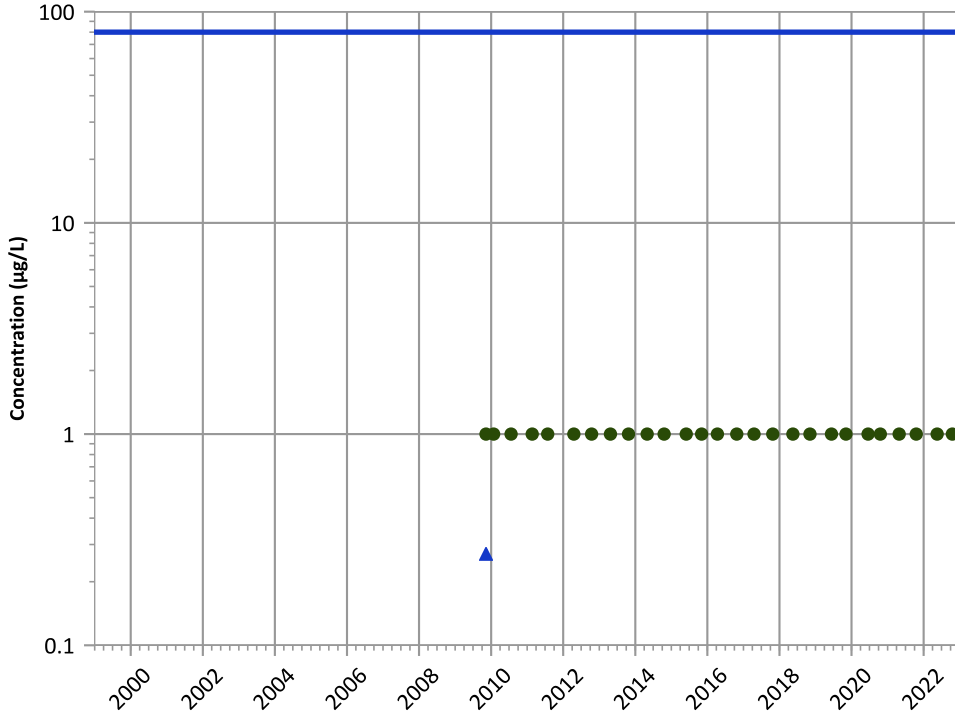


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chloroform Trend

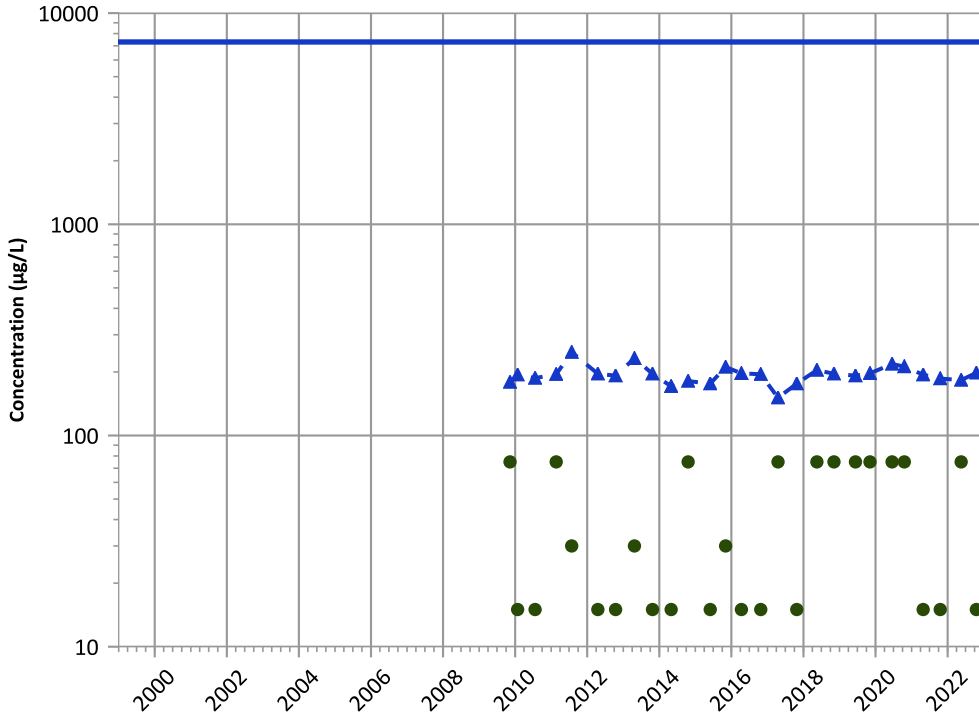


Concentration Trend

MAROS Mann-Kendall Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

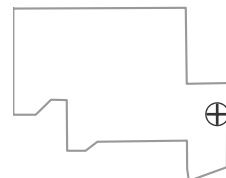
MAROS Mann-Kendall Method  
All Data:  
No Trend  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method  
All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

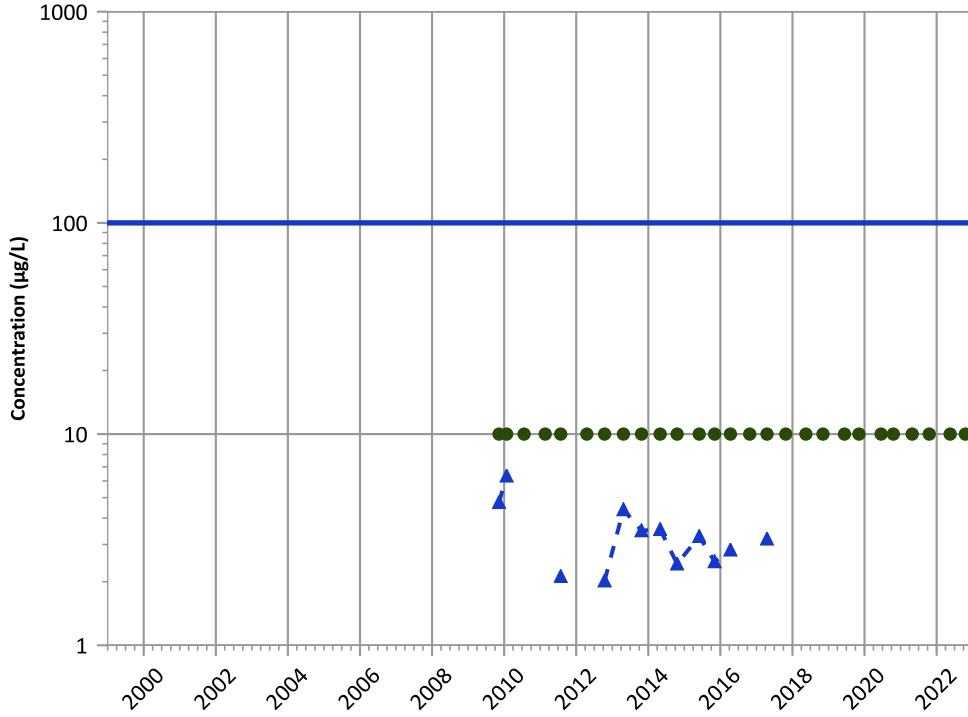
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

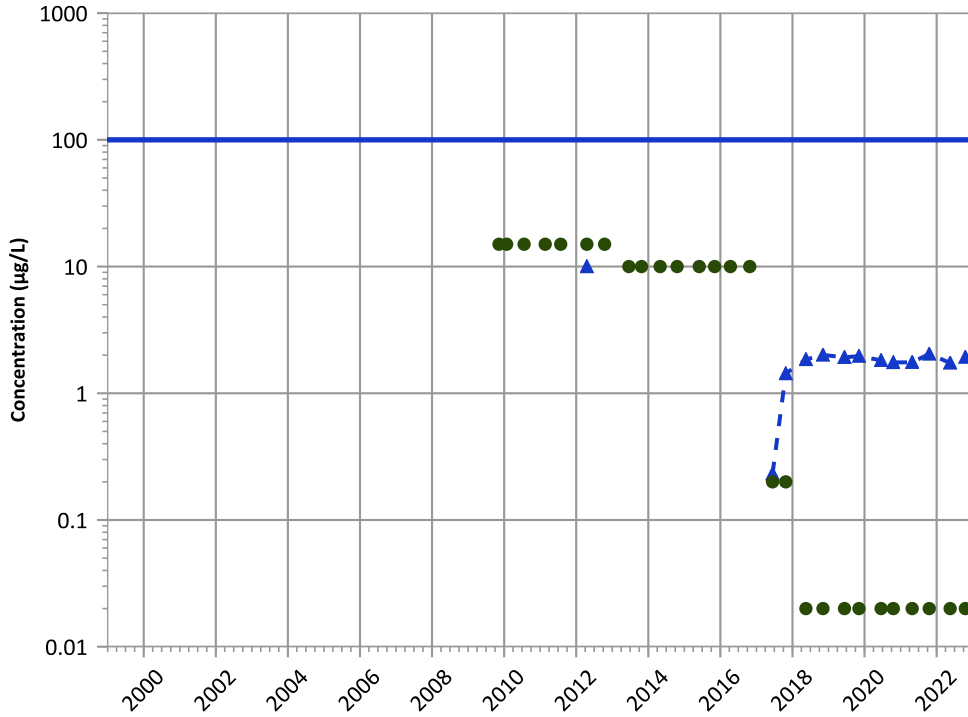
MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: No Trend

Chromium, Hexavalent Trend



Concentration Trend

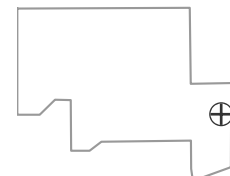
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Well Location

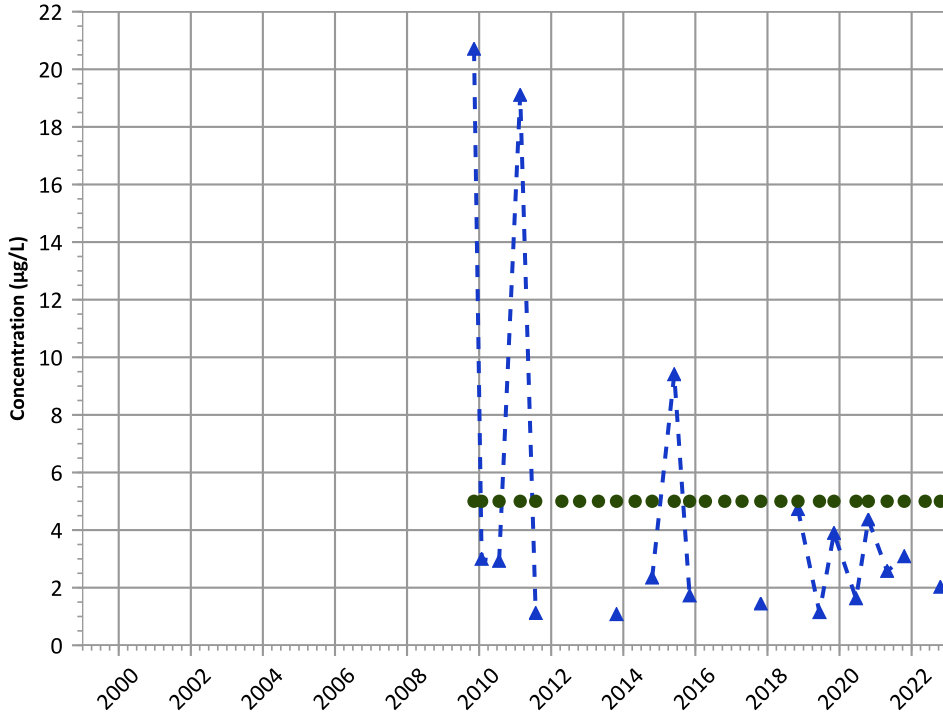


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

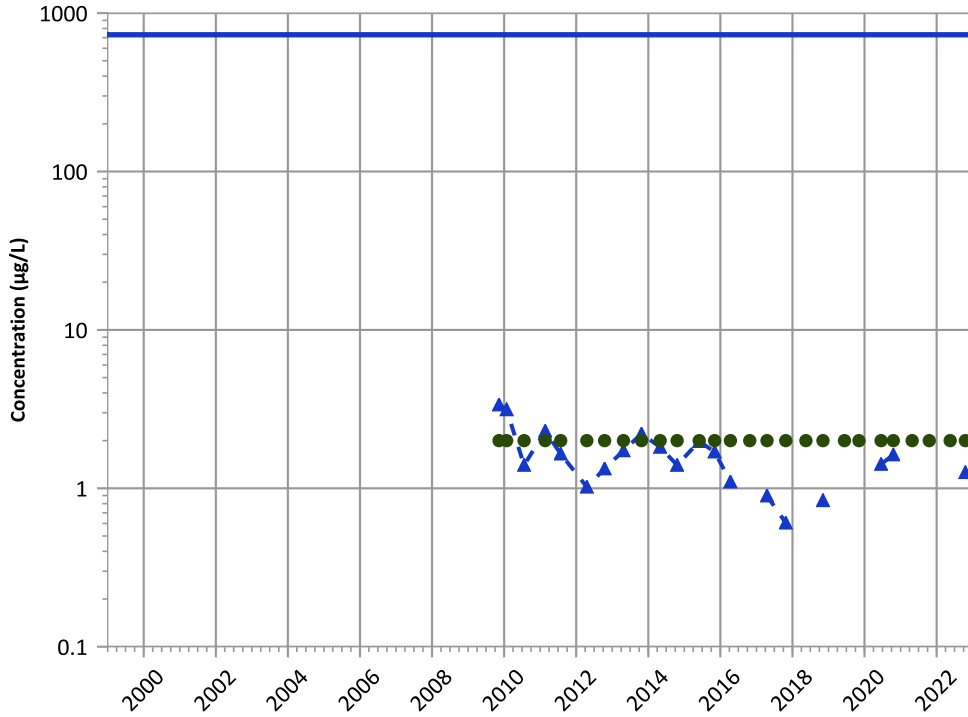
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Nickel Trend



Concentration Trend

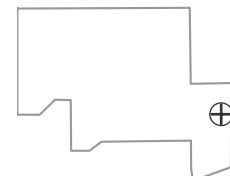
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Well Location

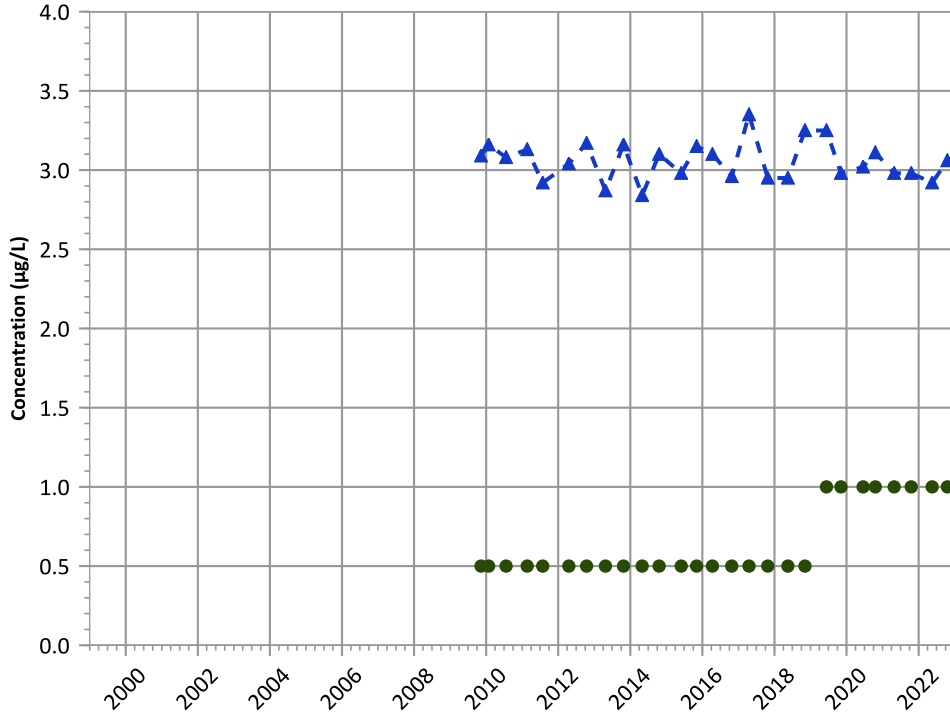


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

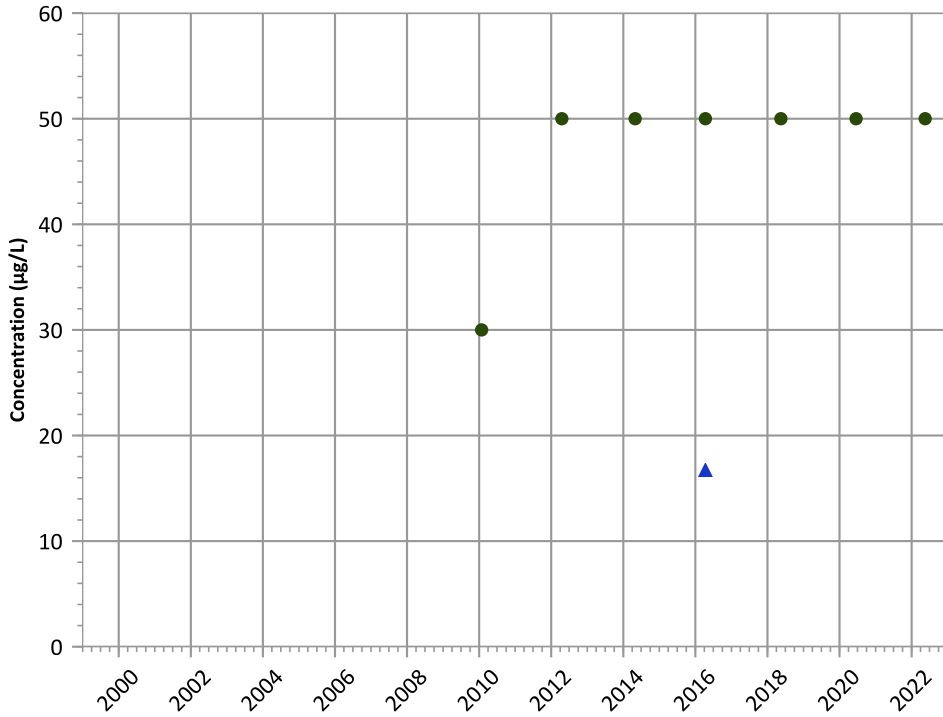
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Aluminum Trend



Concentration Trend

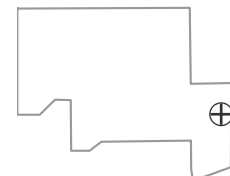
MAROS Mann-Kendall Method

All Data: N/A (<4 Detections in Dataset)  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: N/A (<4 Detections in Dataset)  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

Well Location

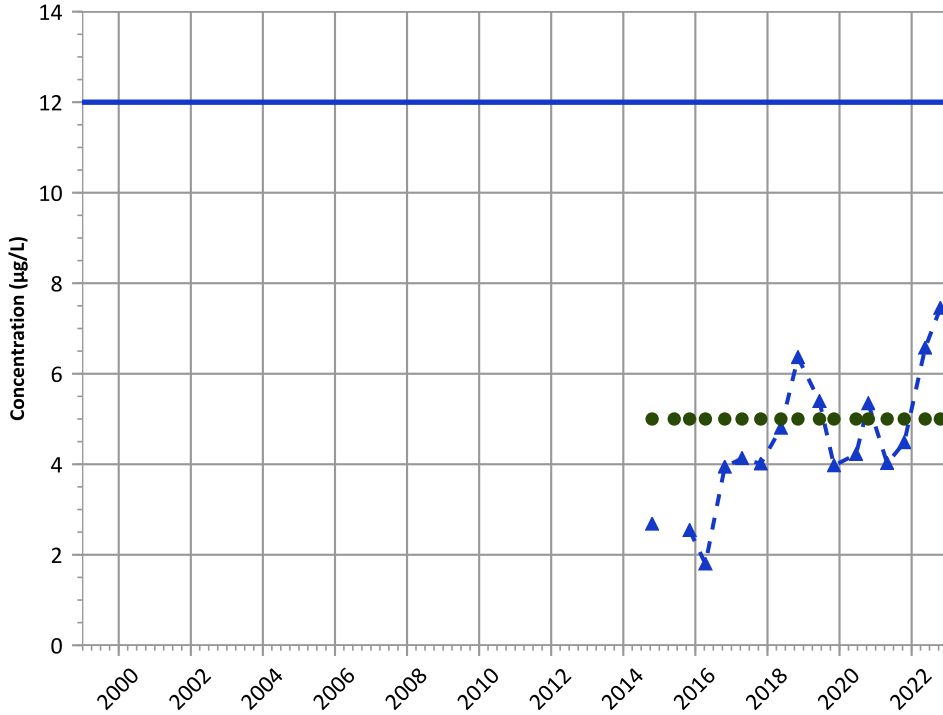


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

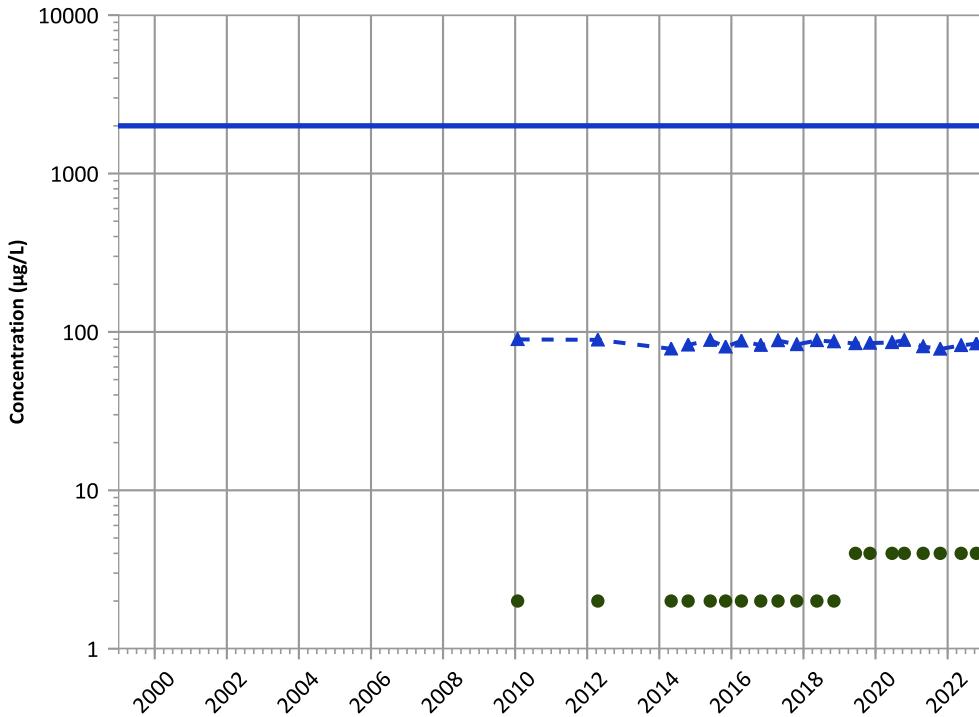
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

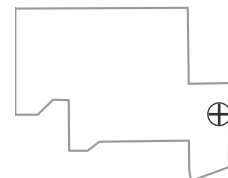
MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

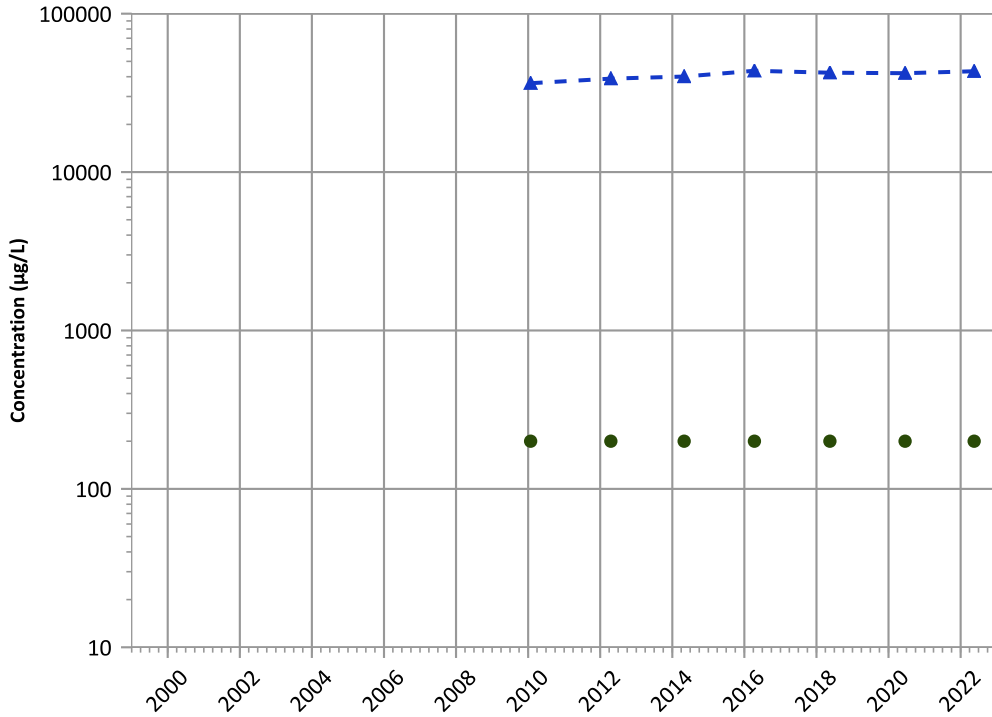
Well Location





PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

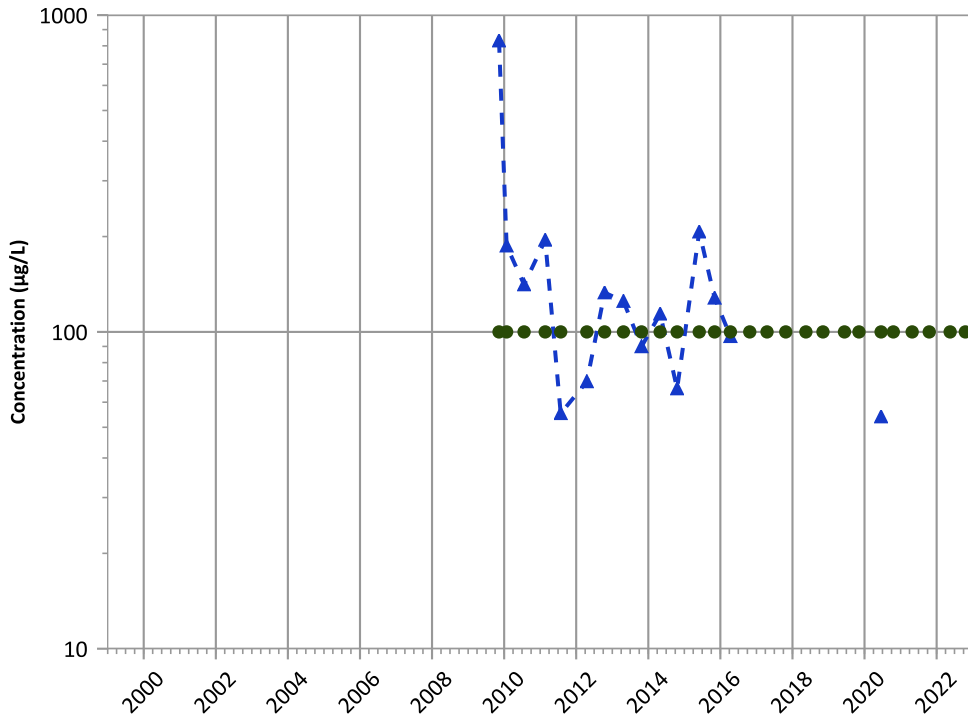
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

Iron Trend



Concentration Trend

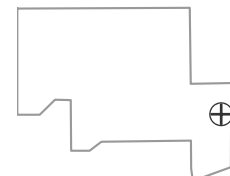
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

Well Location

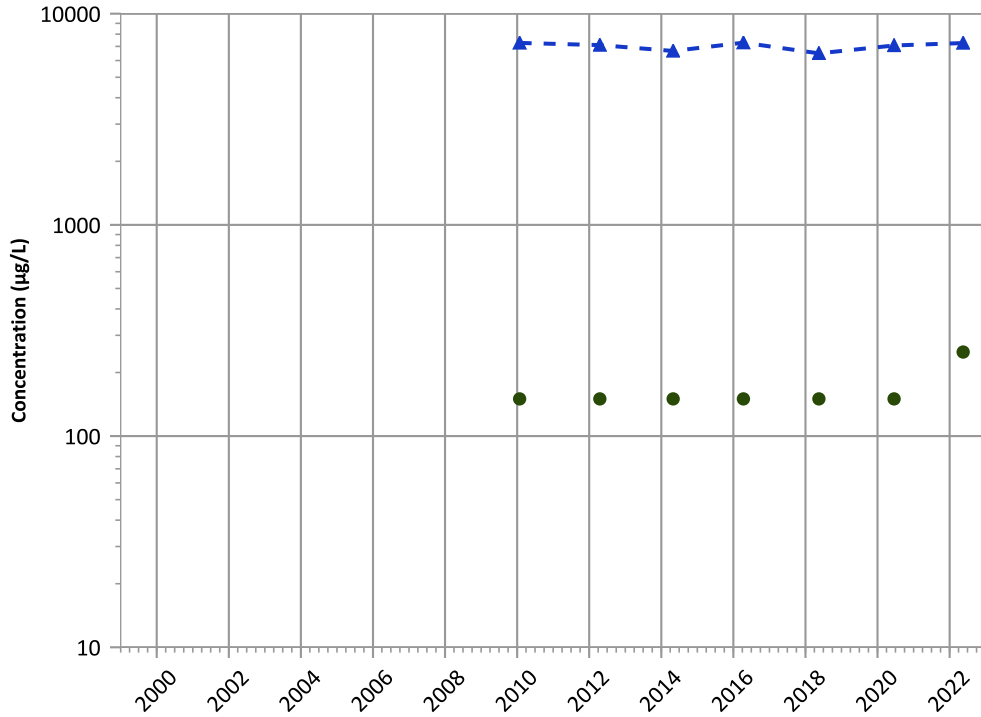


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

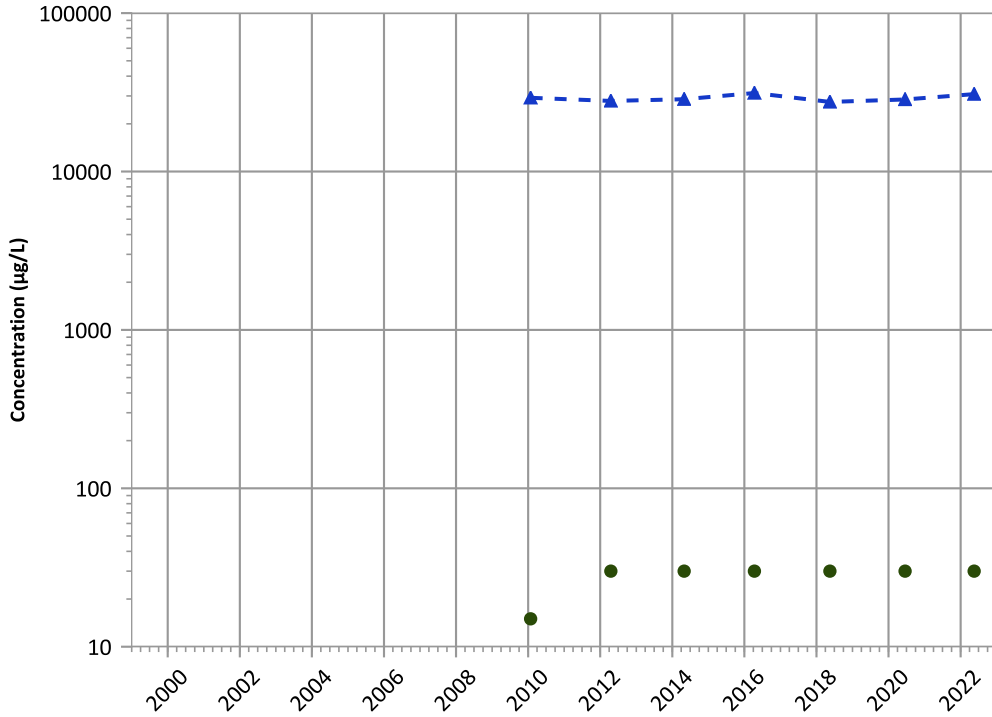
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Stable

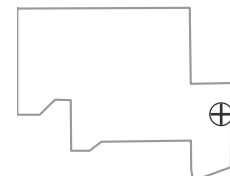
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

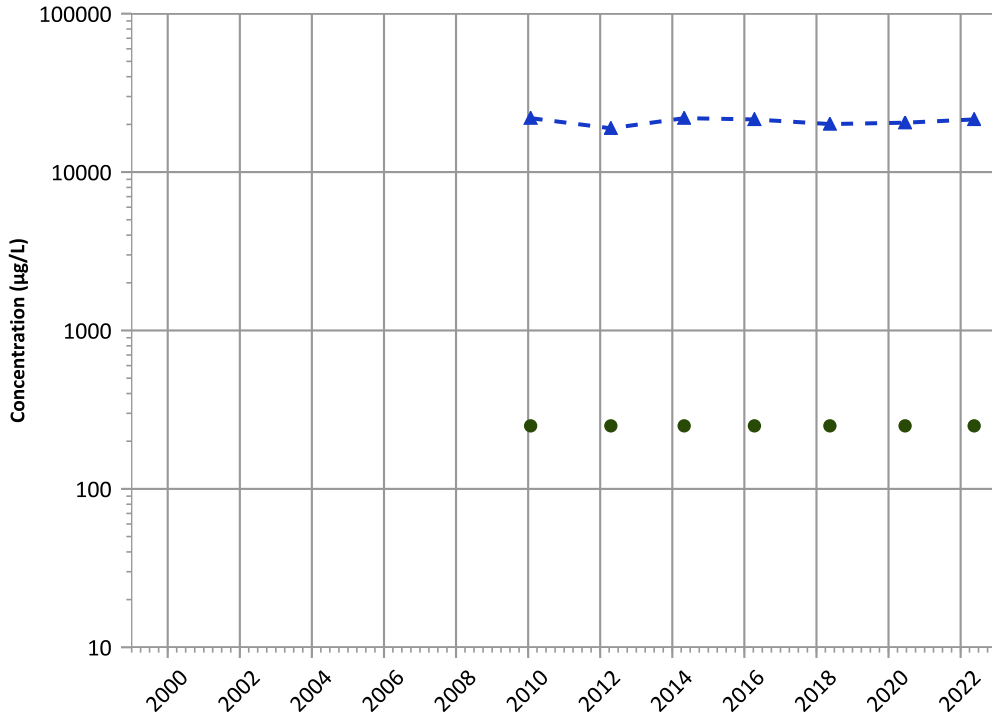
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1137A in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

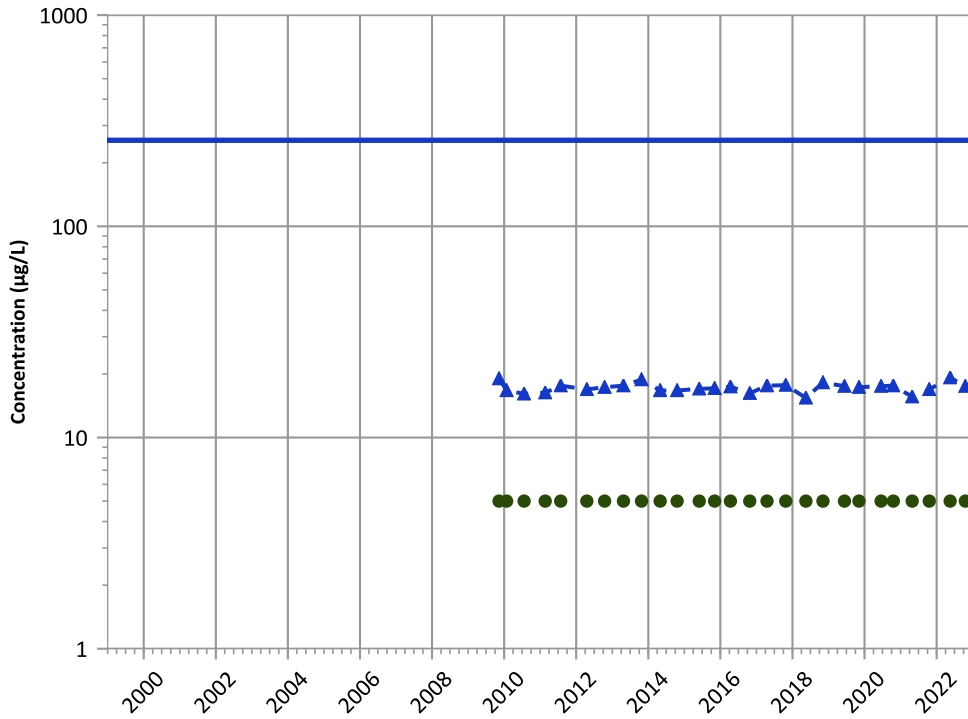
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Increasing

Vanadium Trend



Concentration Trend

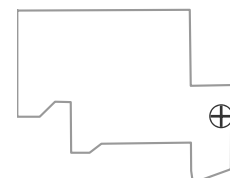
MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

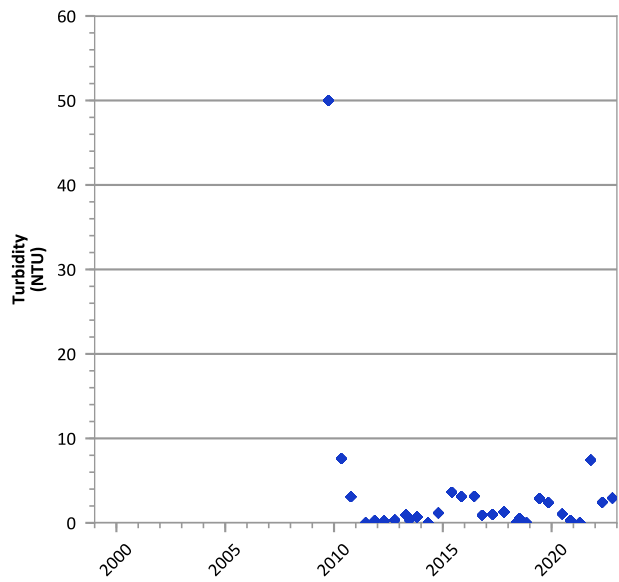
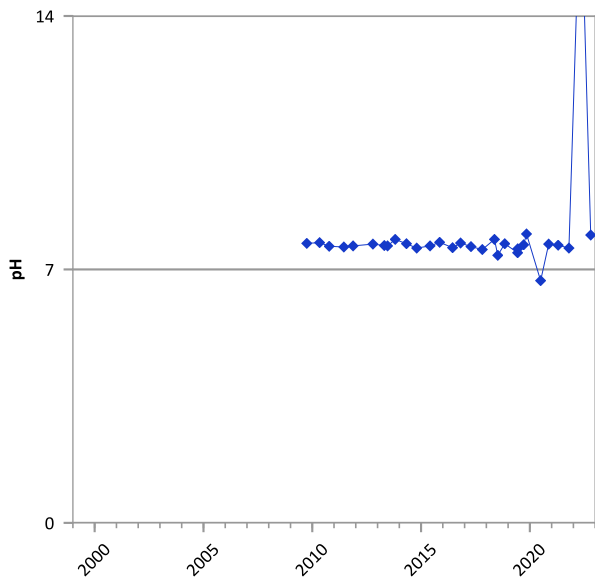
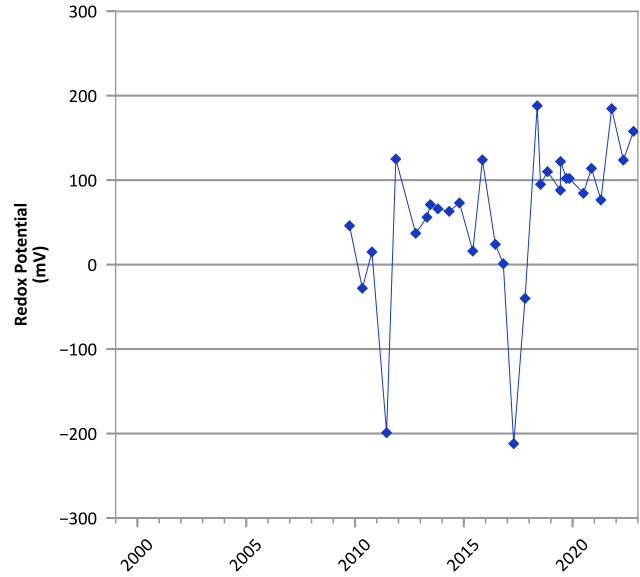
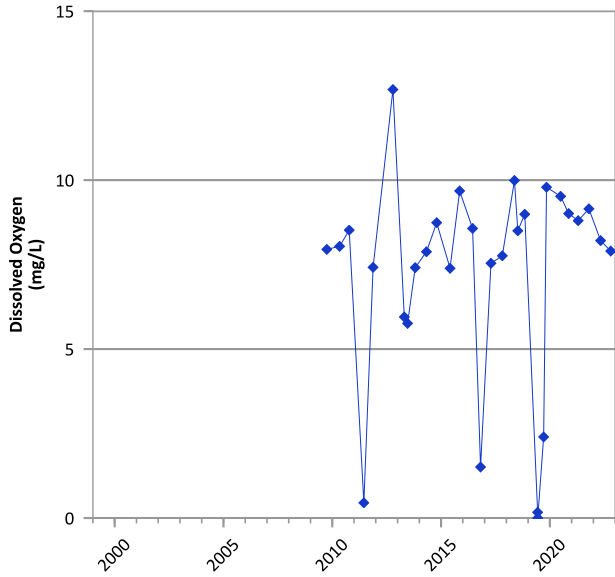
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/10/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



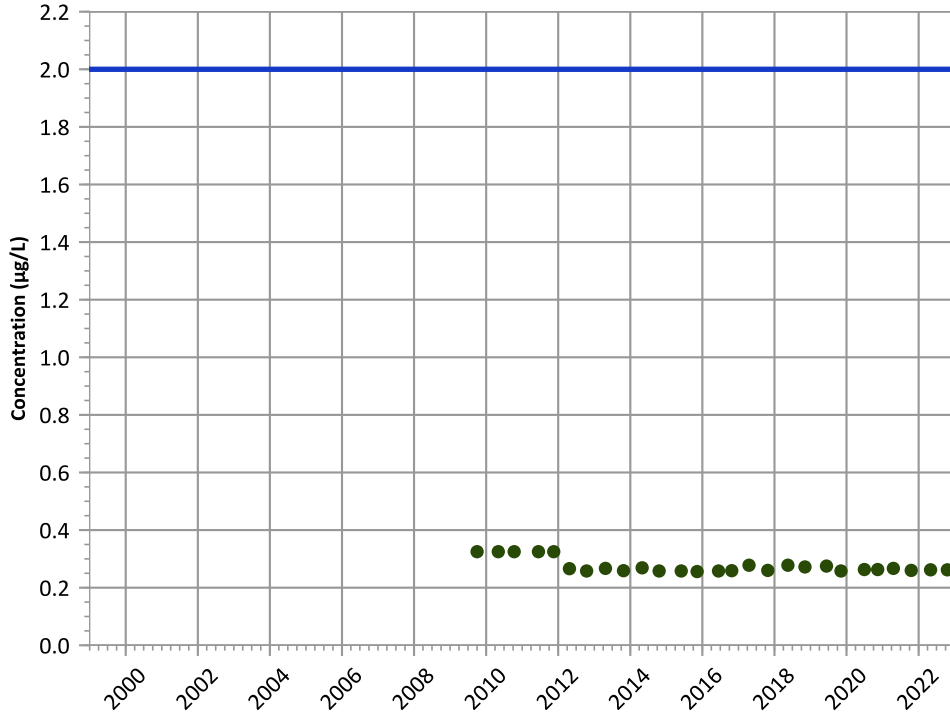
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/01/2009 to 10/19/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

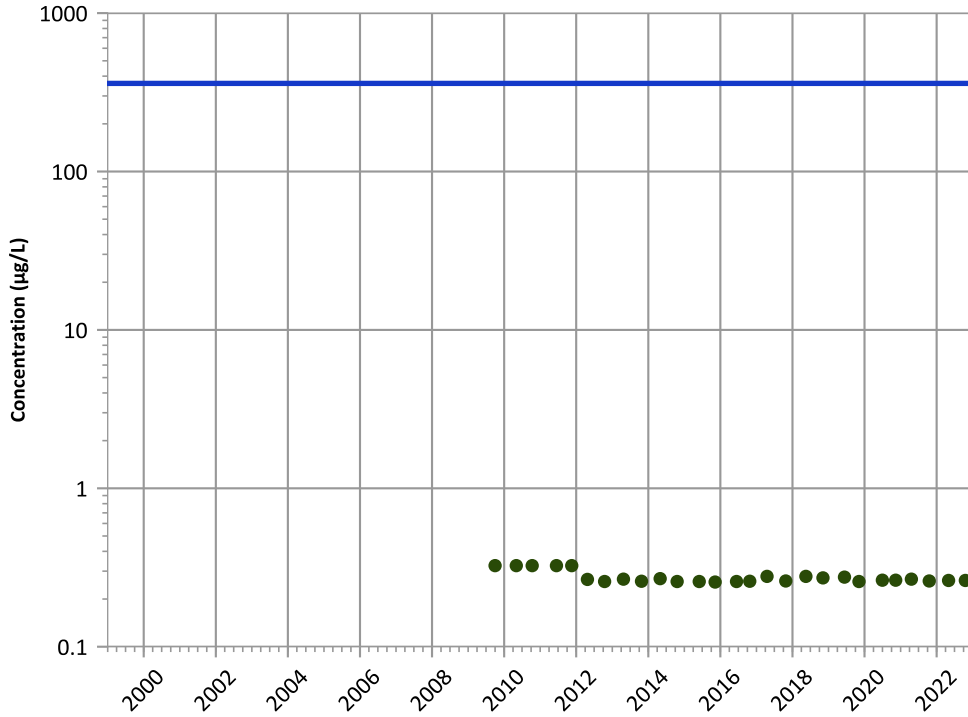
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

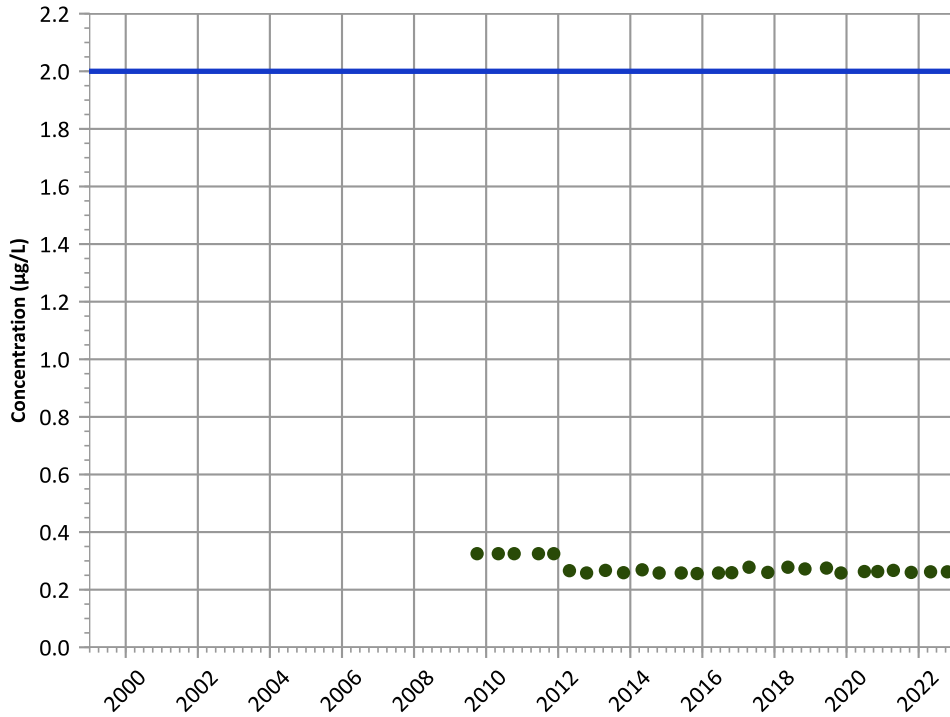
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

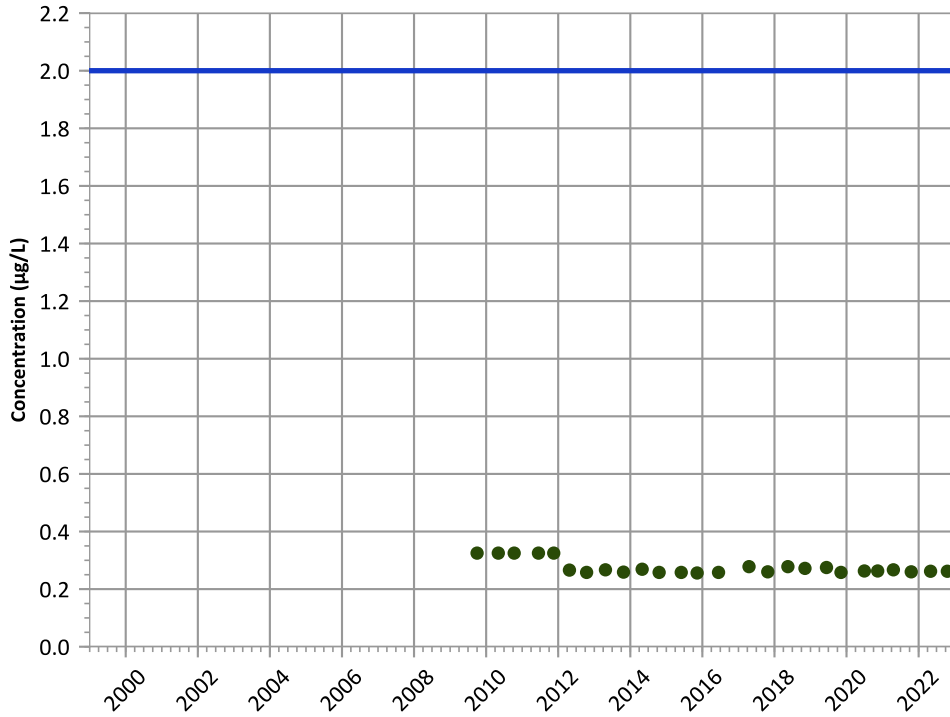
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

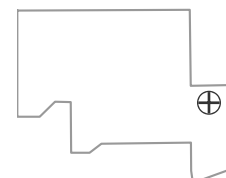
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

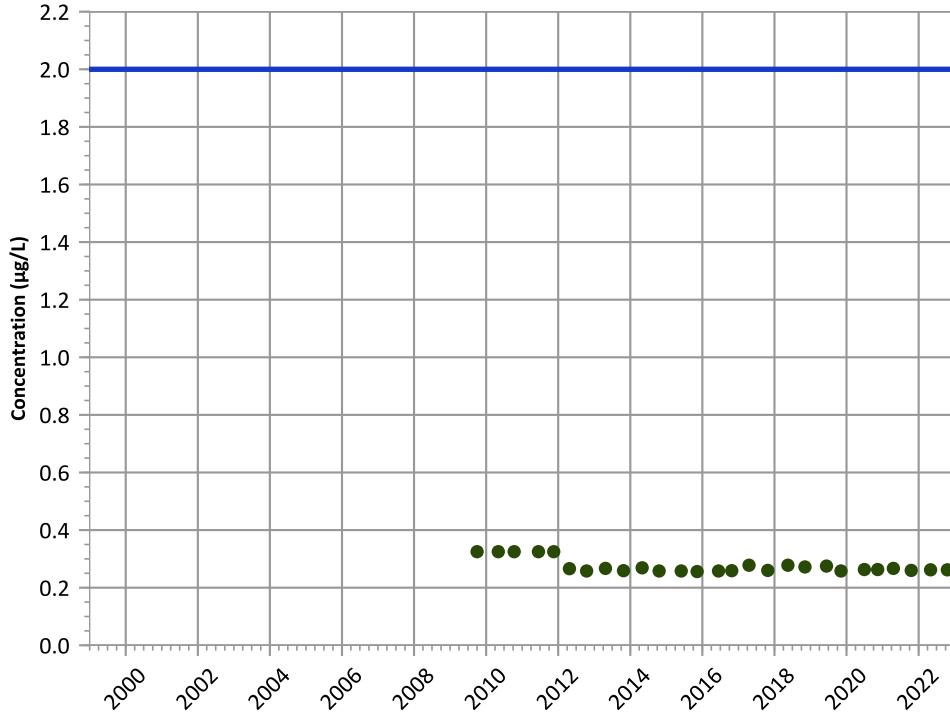
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

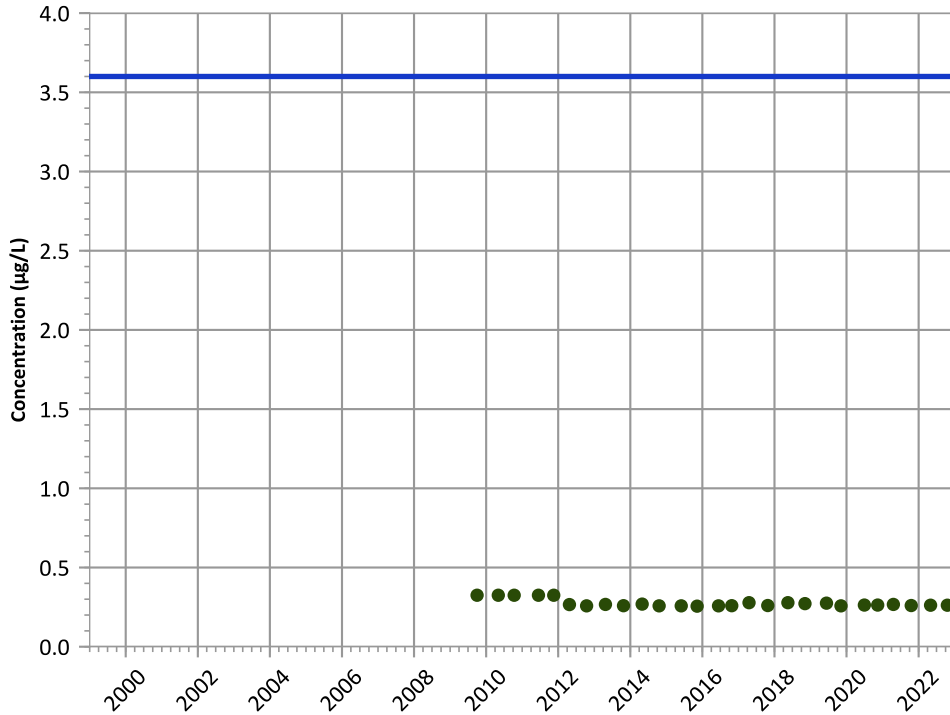
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

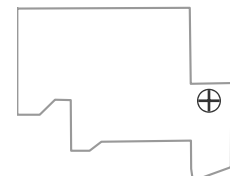
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

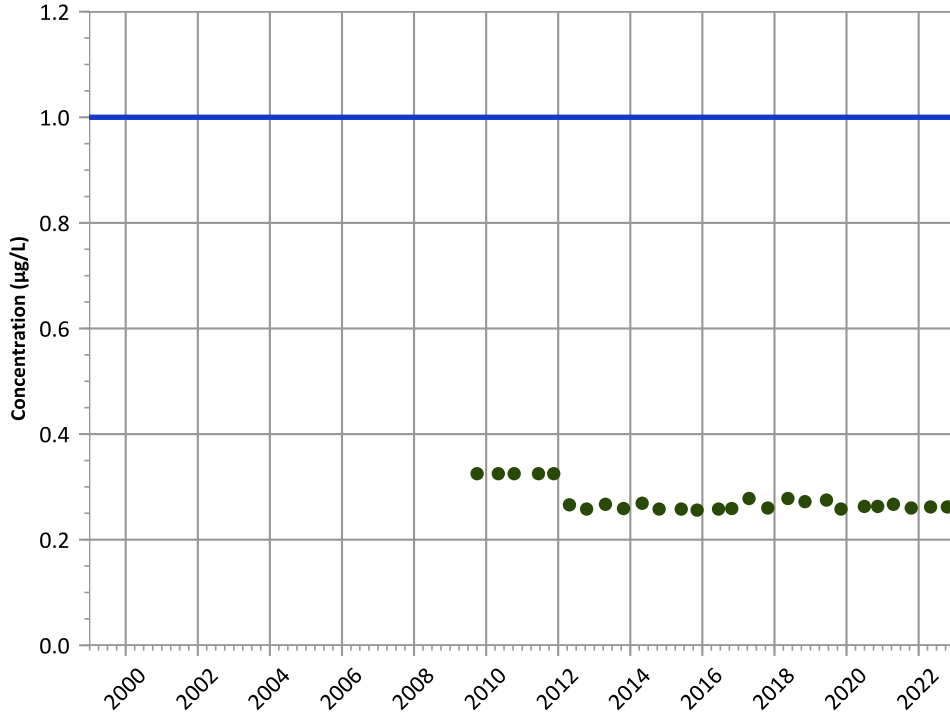


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

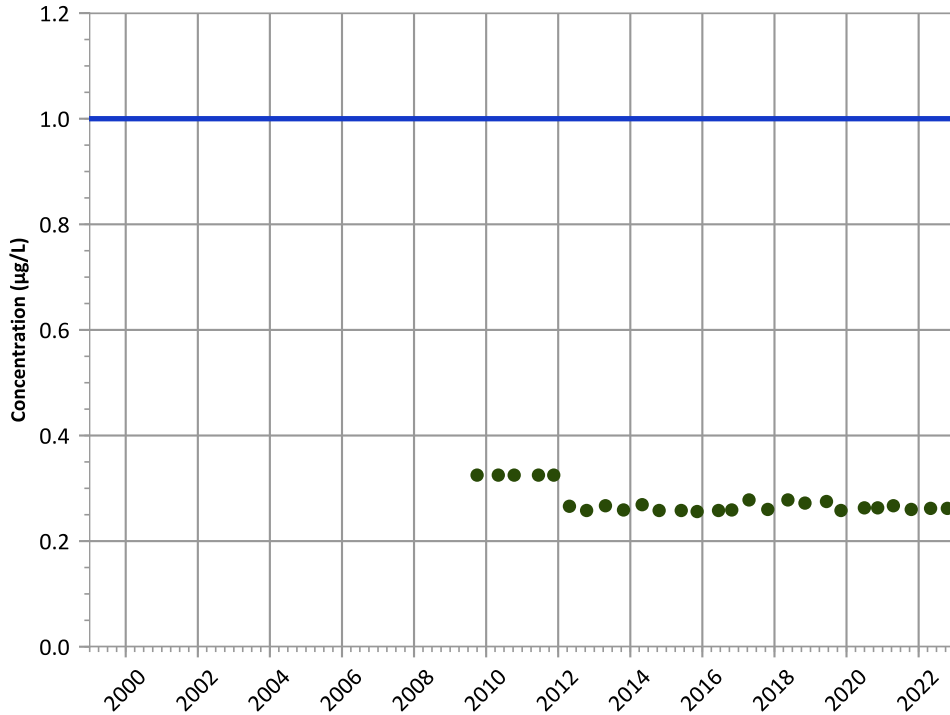
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

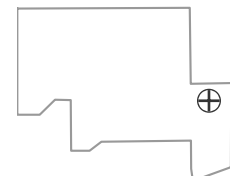
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location



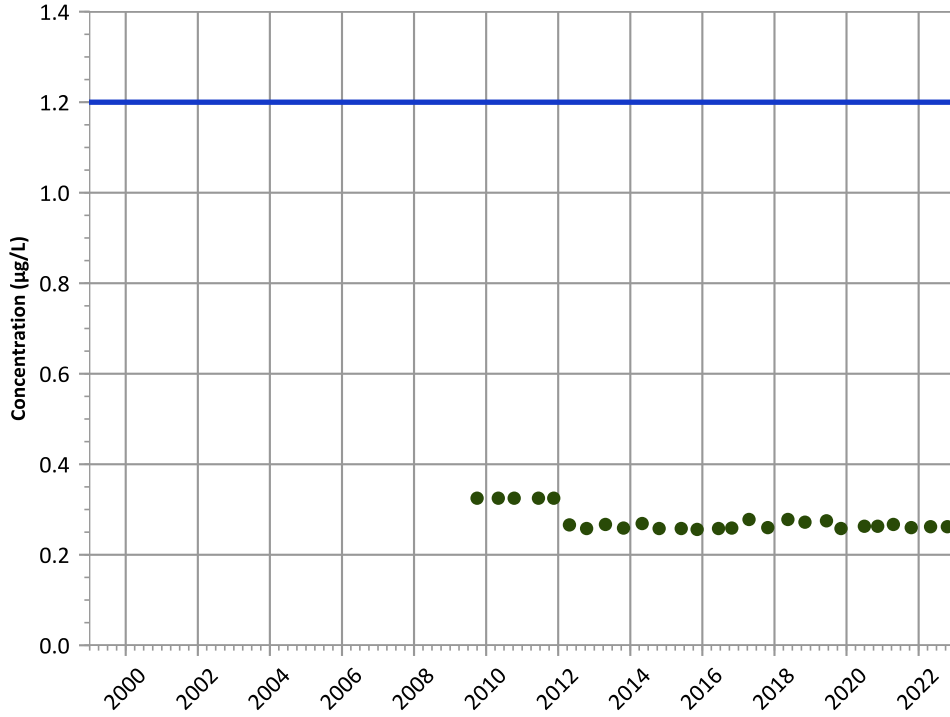
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

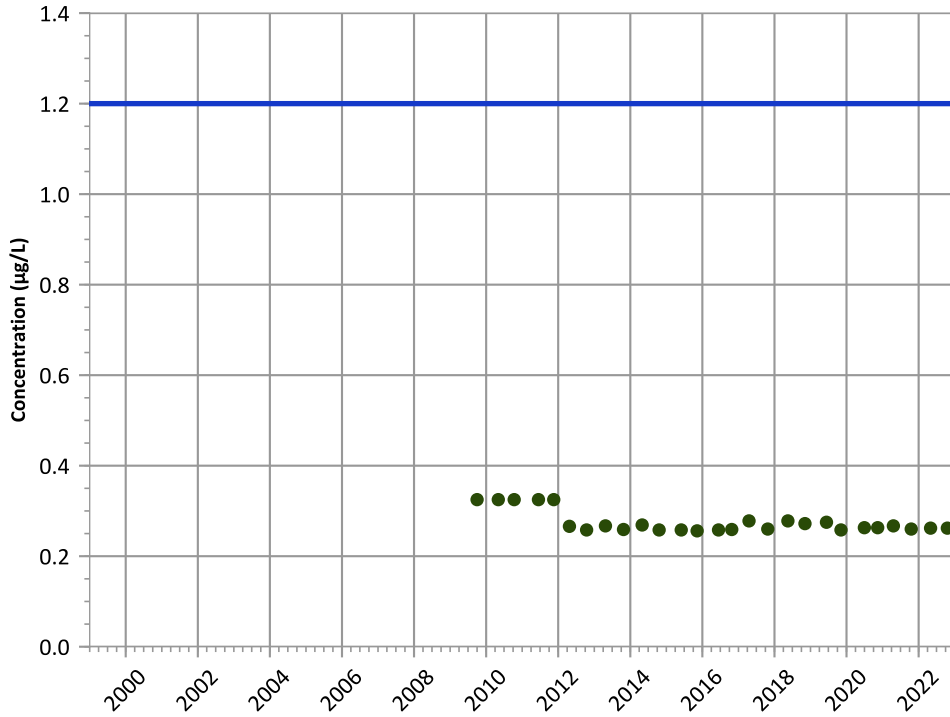
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

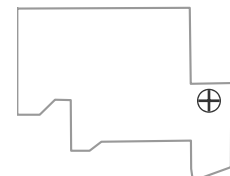
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

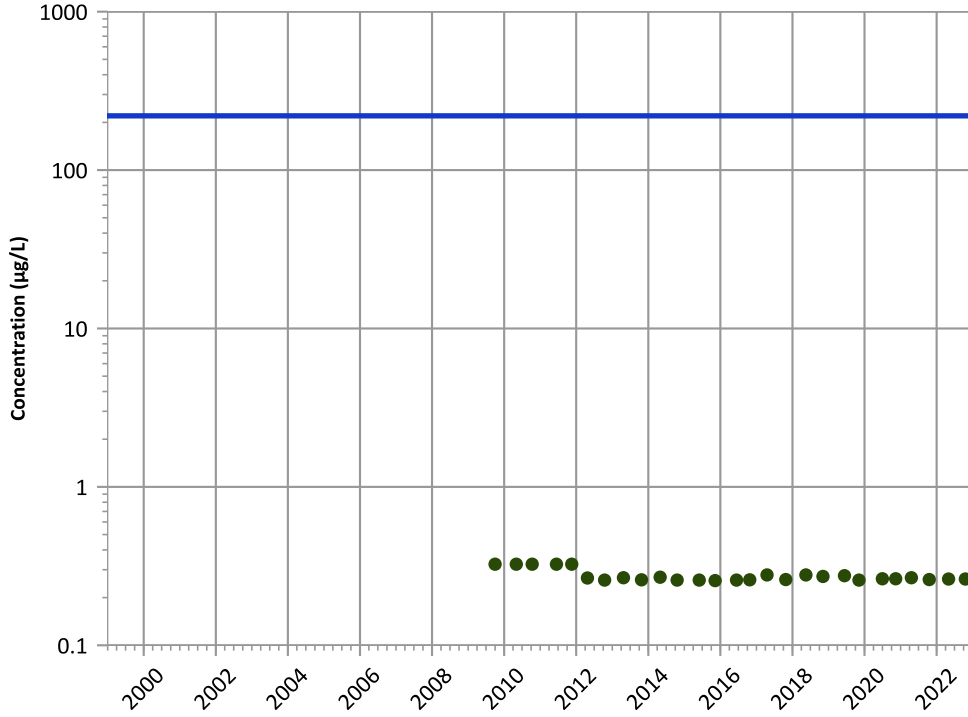


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

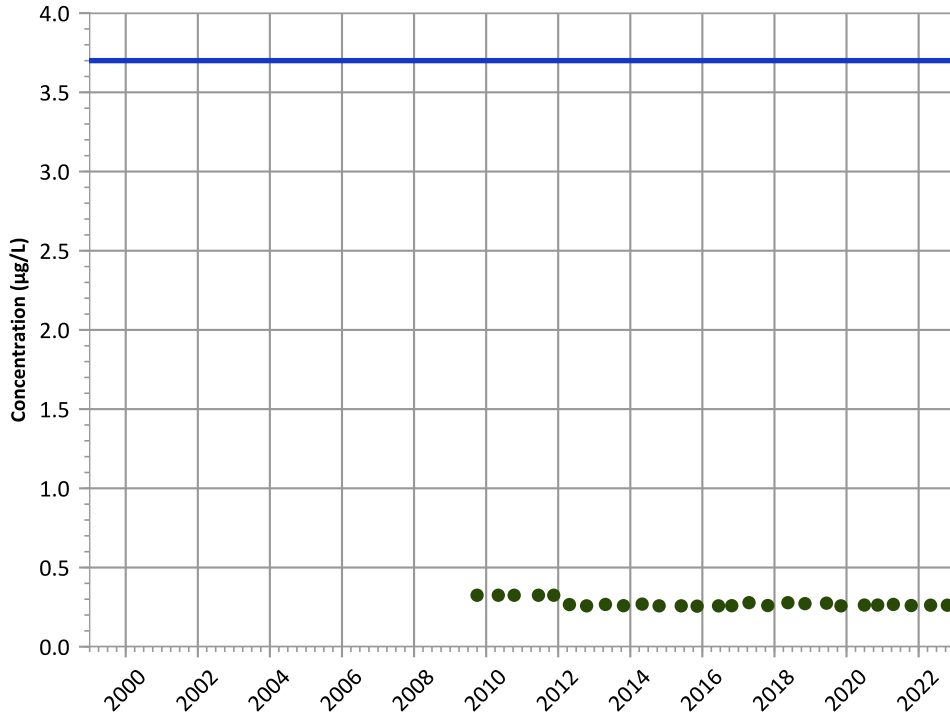
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

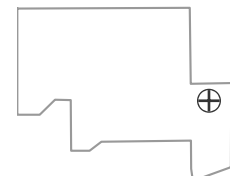
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

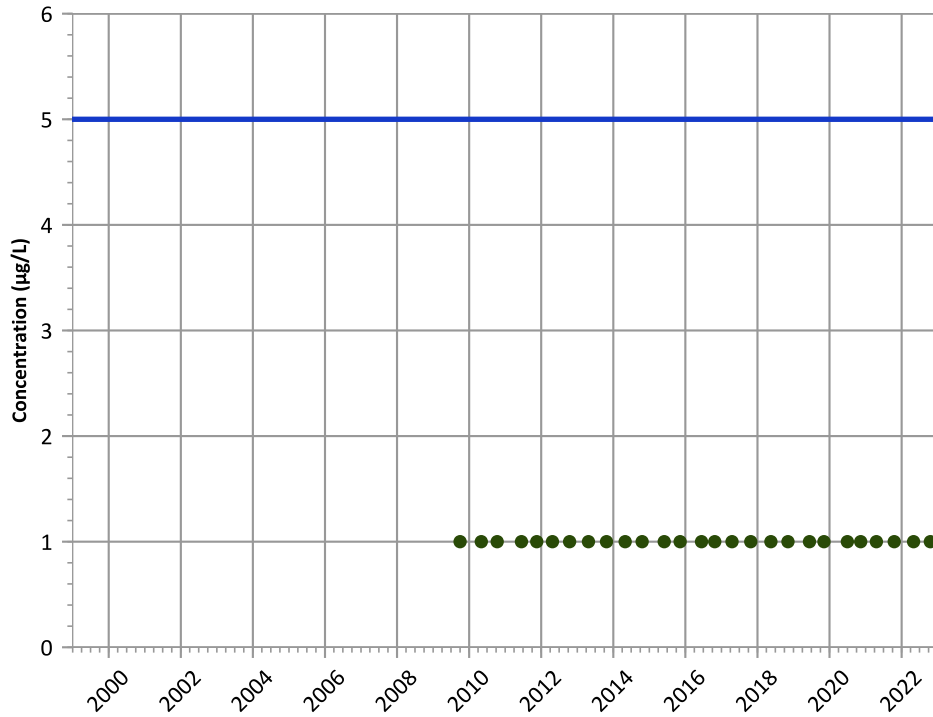
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

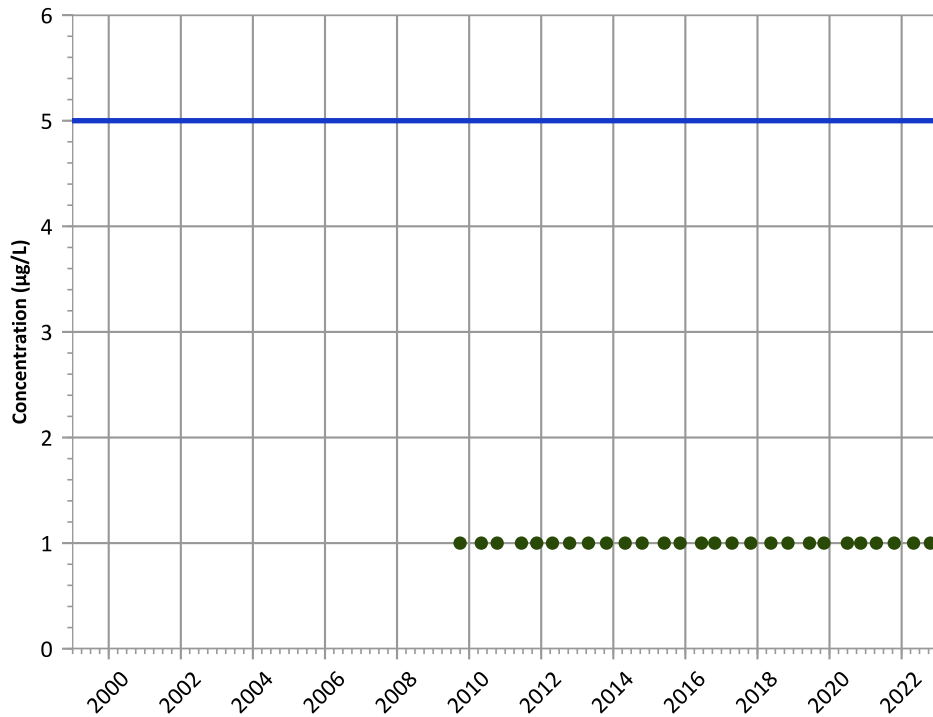
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

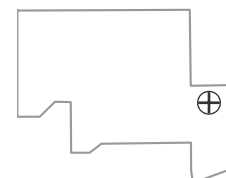
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

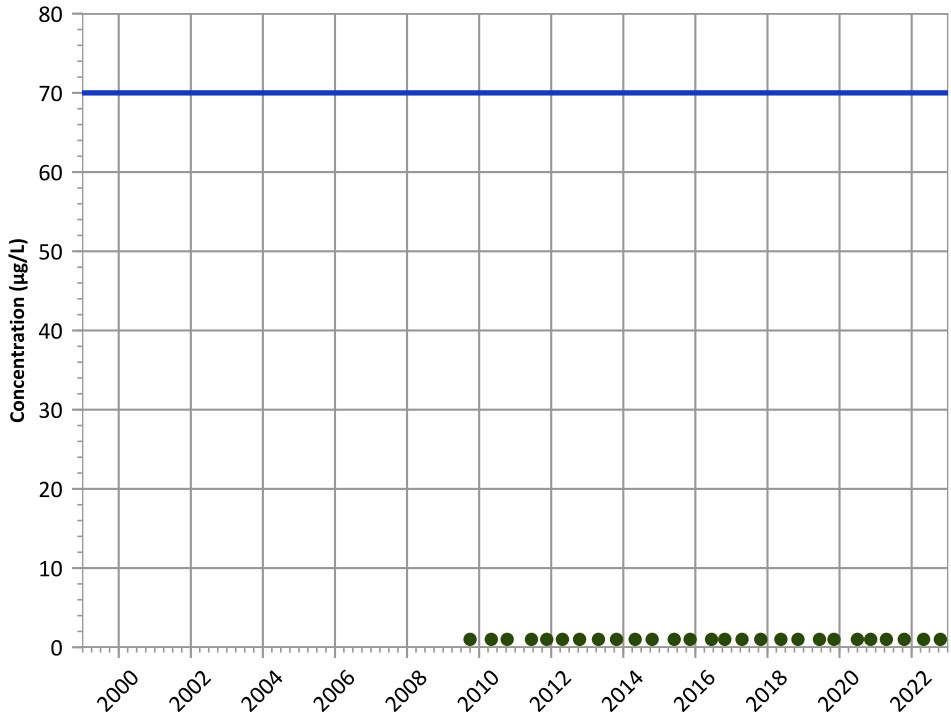
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**  
**cis-1,2-Dichloroethene Trend**



**Concentration Trend**

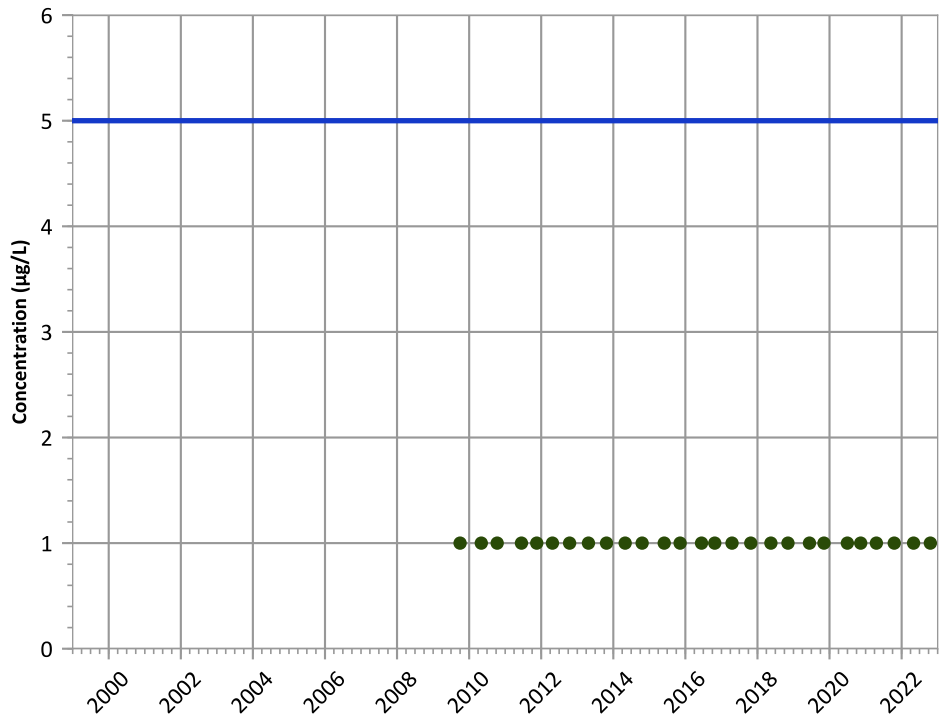
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

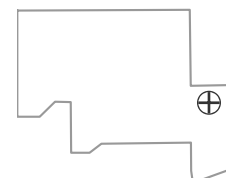
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

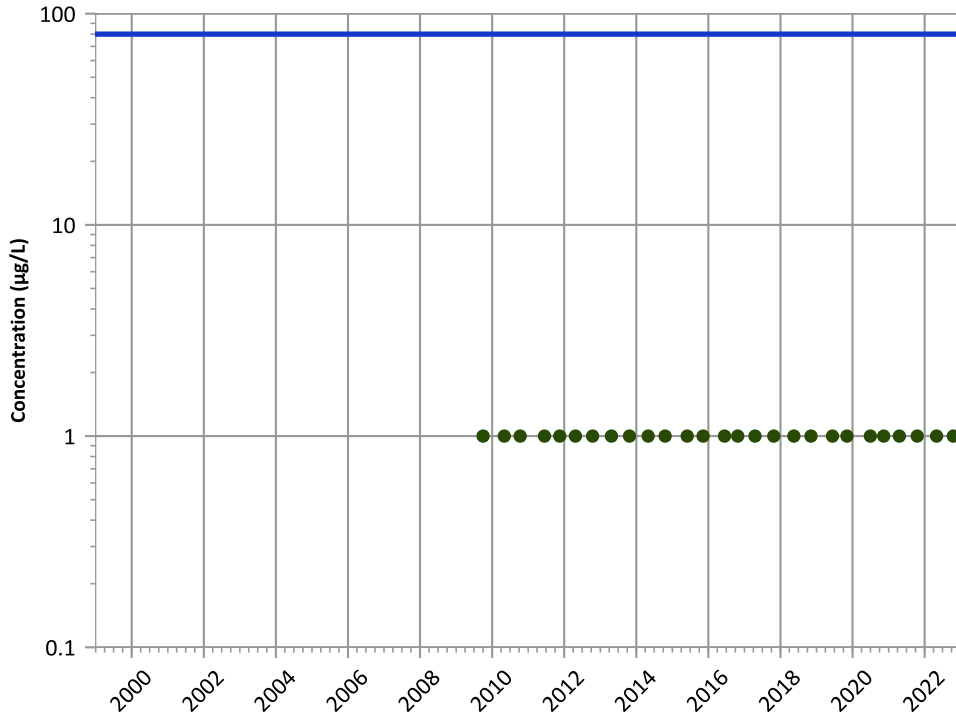
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

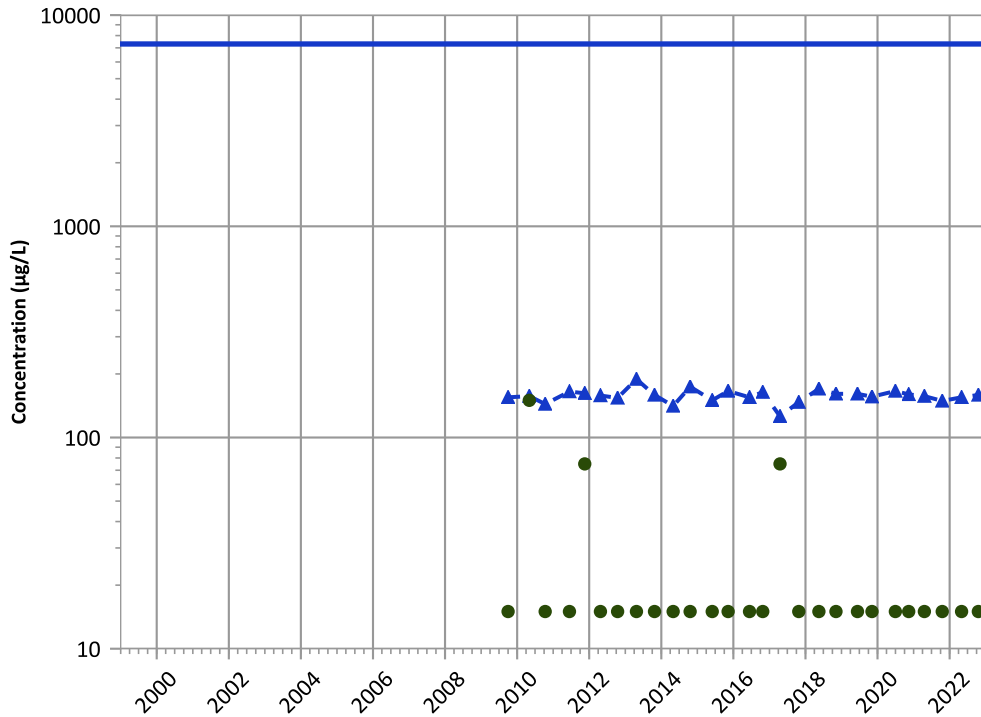
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

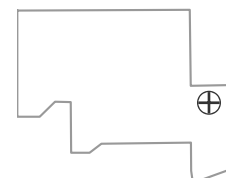
**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

**Well Location**

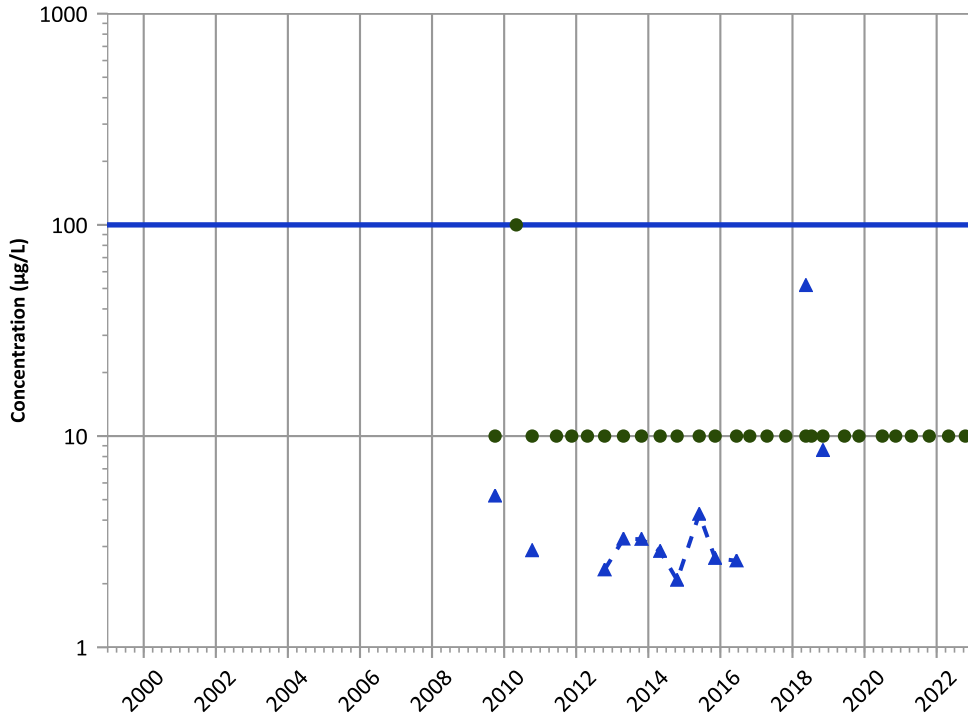


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

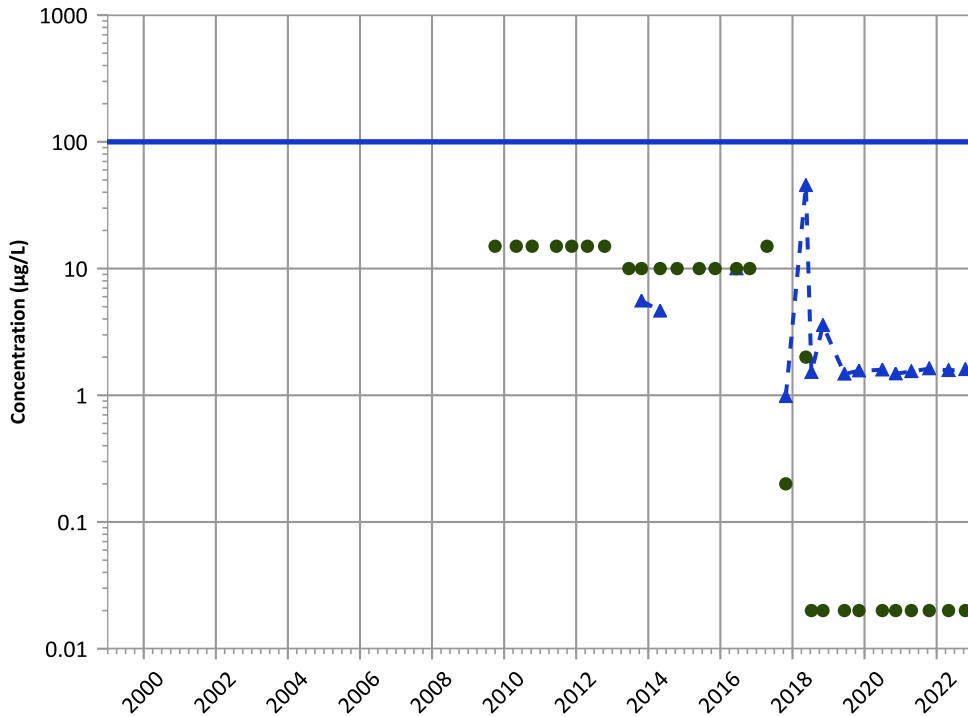
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: No Trend

Chromium, Hexavalent Trend



Concentration Trend

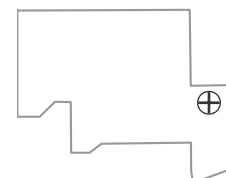
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Well Location

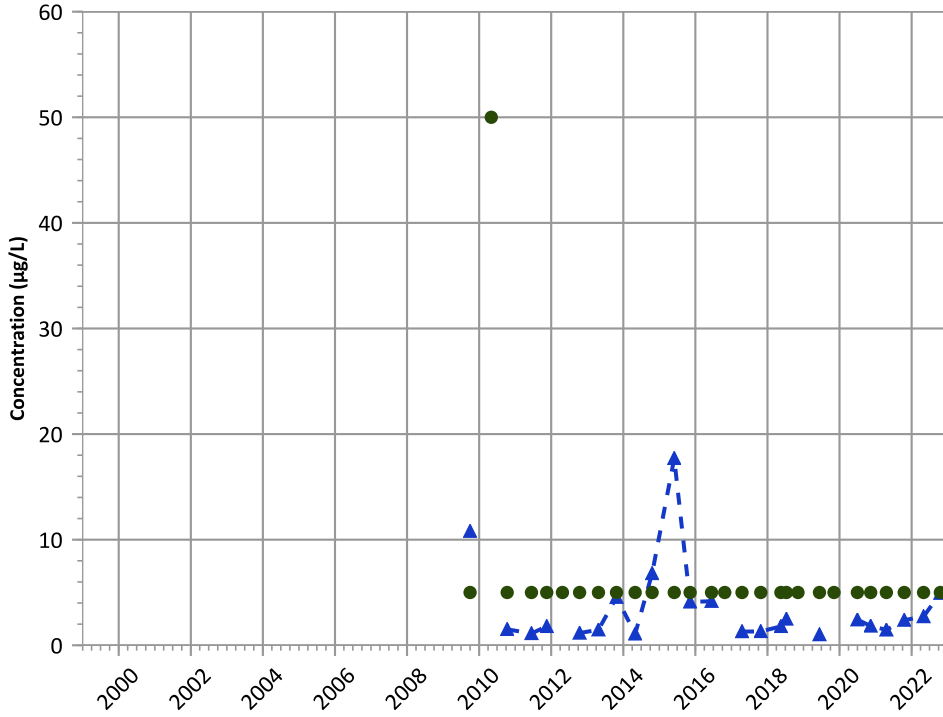


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

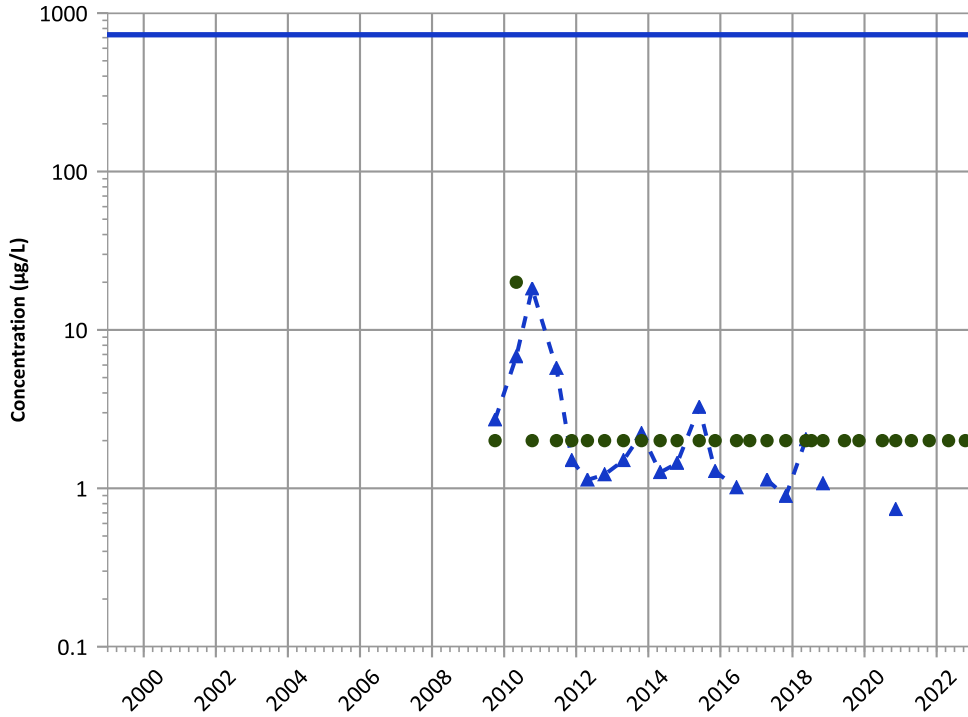
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Increasing

Nickel Trend



Concentration Trend

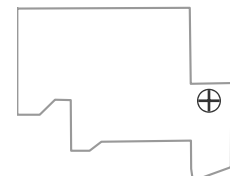
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

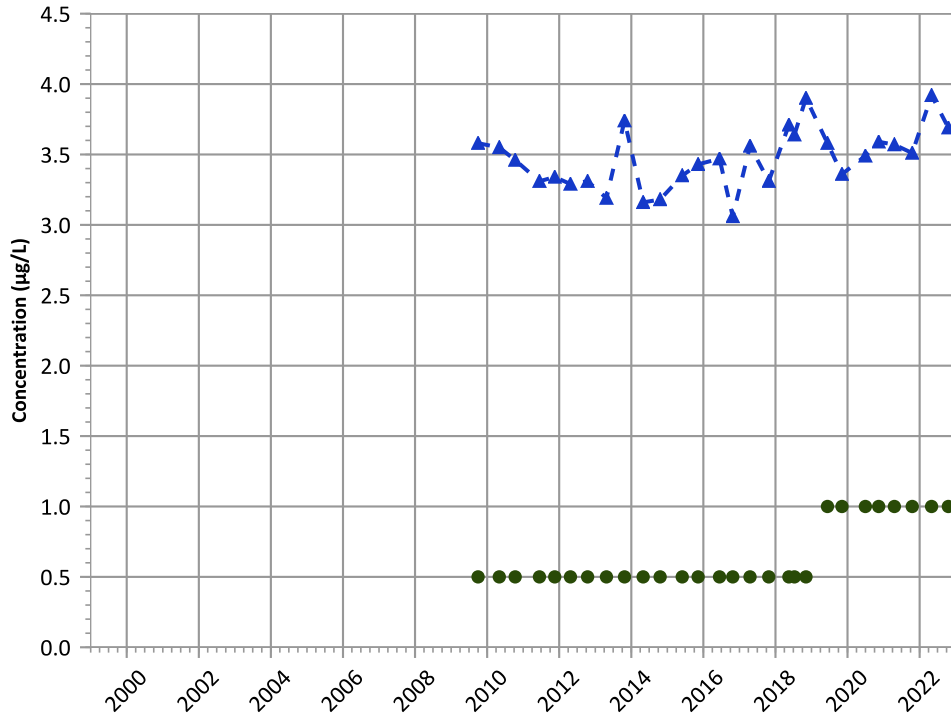
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Molybdenum Trend**



**Concentration Trend**

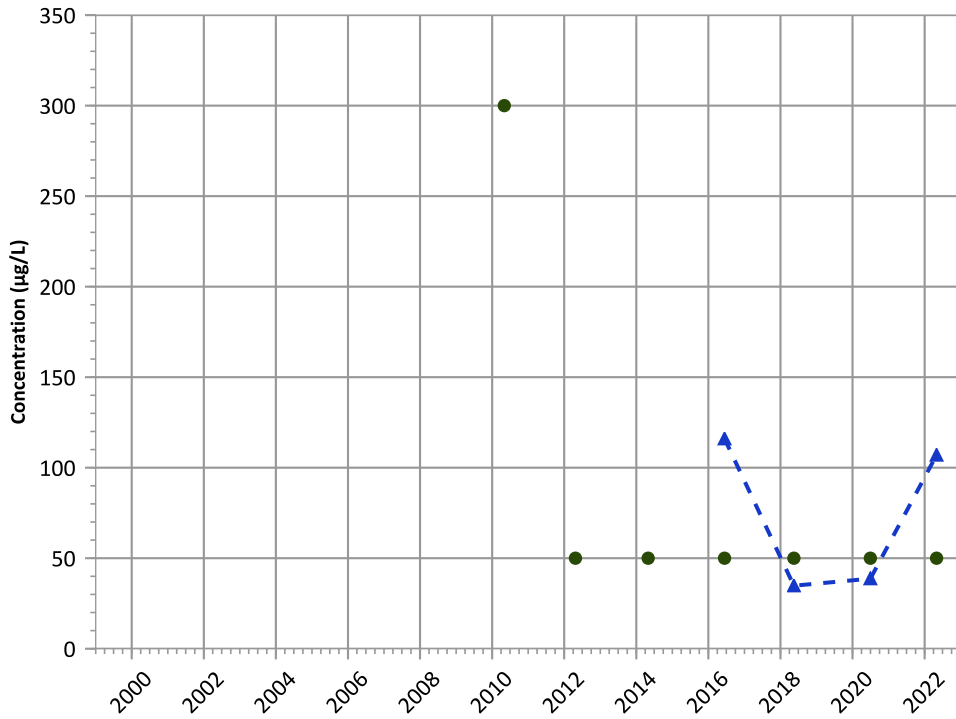
**MAROS Mann-Kendall Method**

All Data: No Trend  
2020 - 2022 Data: No Trend

**MAROS Linear Regression Method**

All Data: No Trend  
2020 - 2022 Data: No Trend

**Aluminum Trend**



**Concentration Trend**

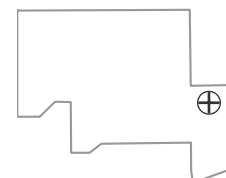
**MAROS Mann-Kendall Method**

All Data: No Trend  
2020 - 2022 Data: Stable

**MAROS Linear Regression Method**

All Data: Stable  
2020 - 2022 Data: Stable

**Well Location**



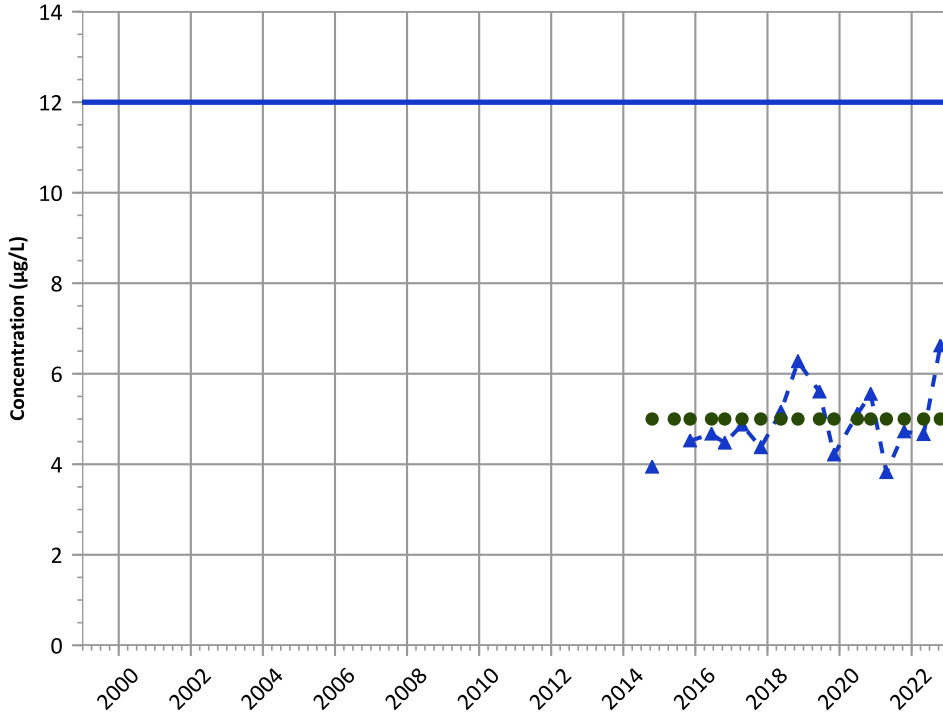
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard



PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

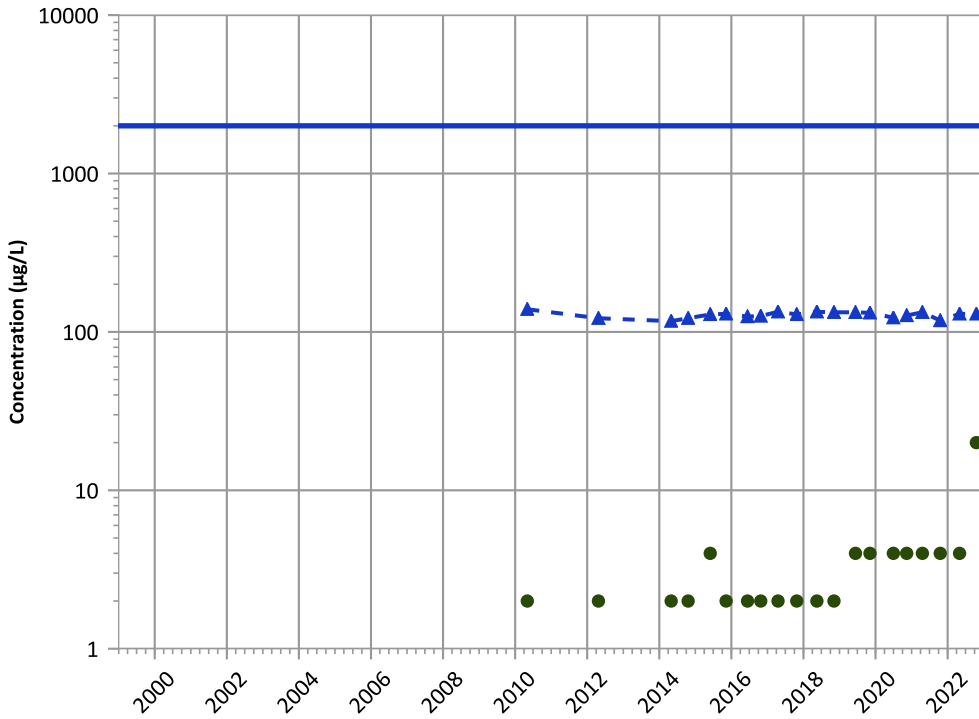
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Probably Increasing  
2020 - 2022 Data:  
Probably Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
Decreasing

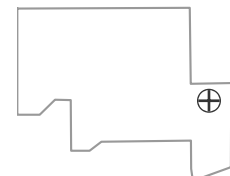
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

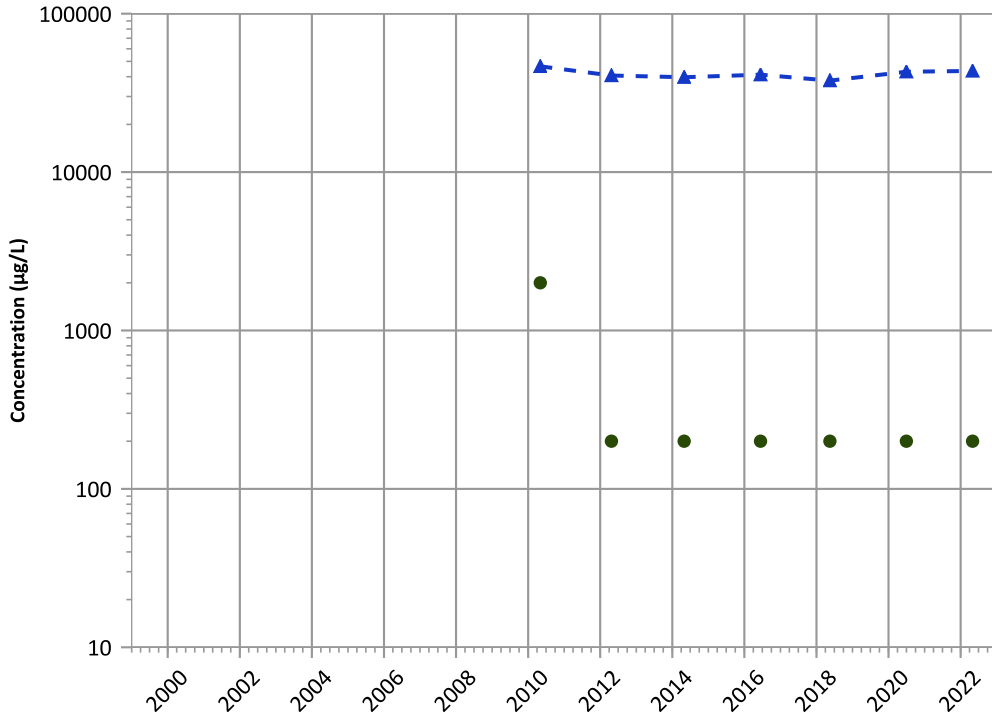
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

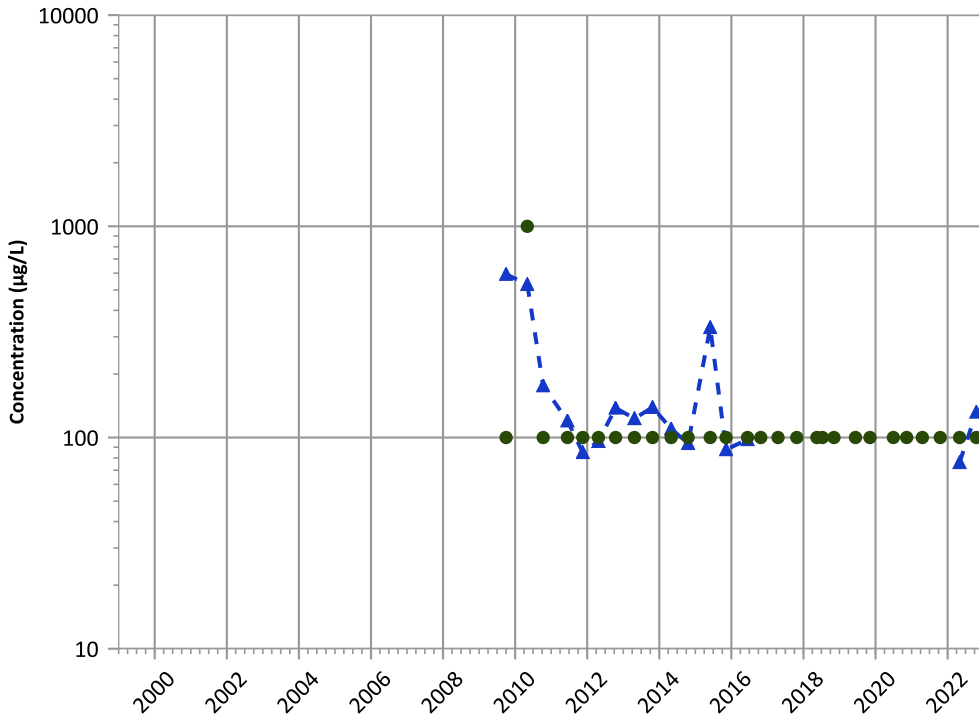
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Iron Trend



Concentration Trend

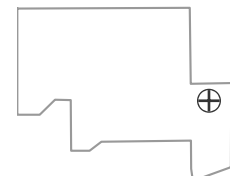
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Well Location

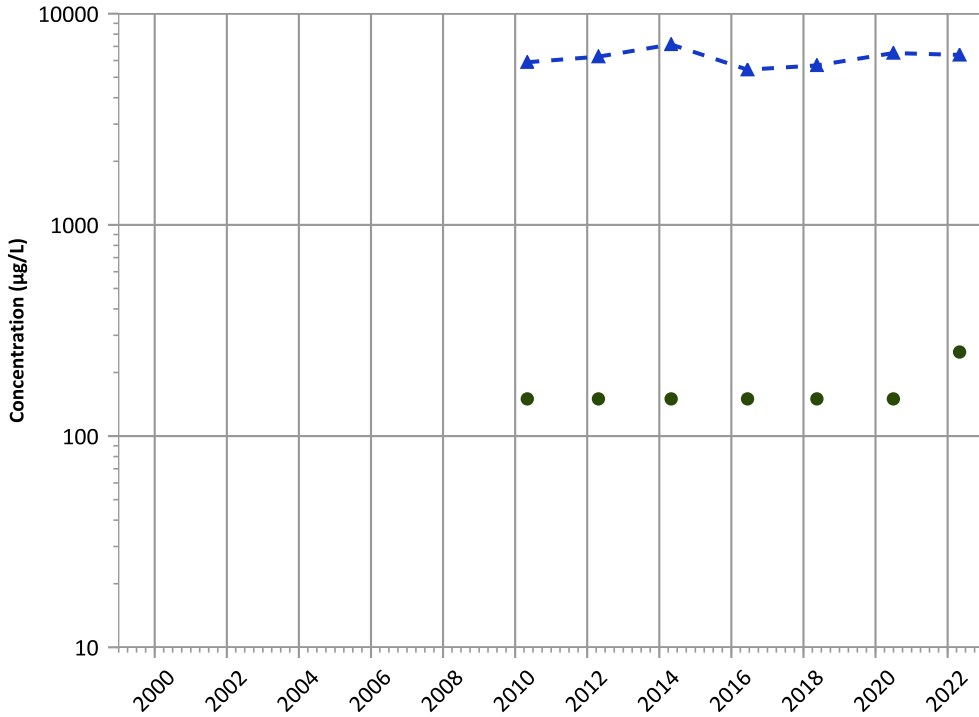


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

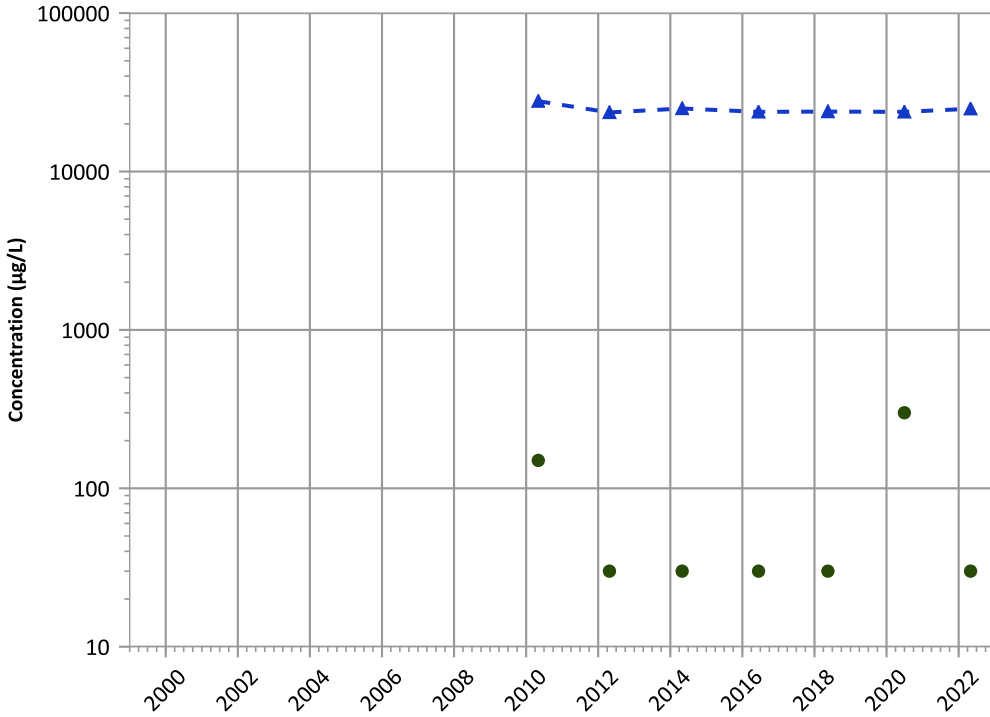
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

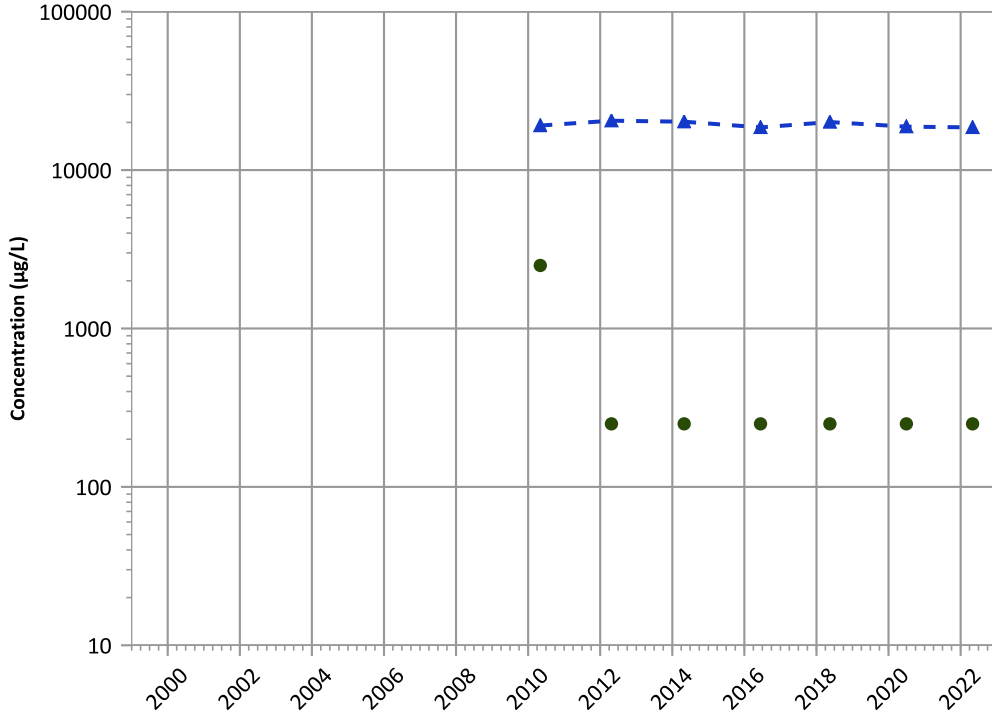
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1138 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

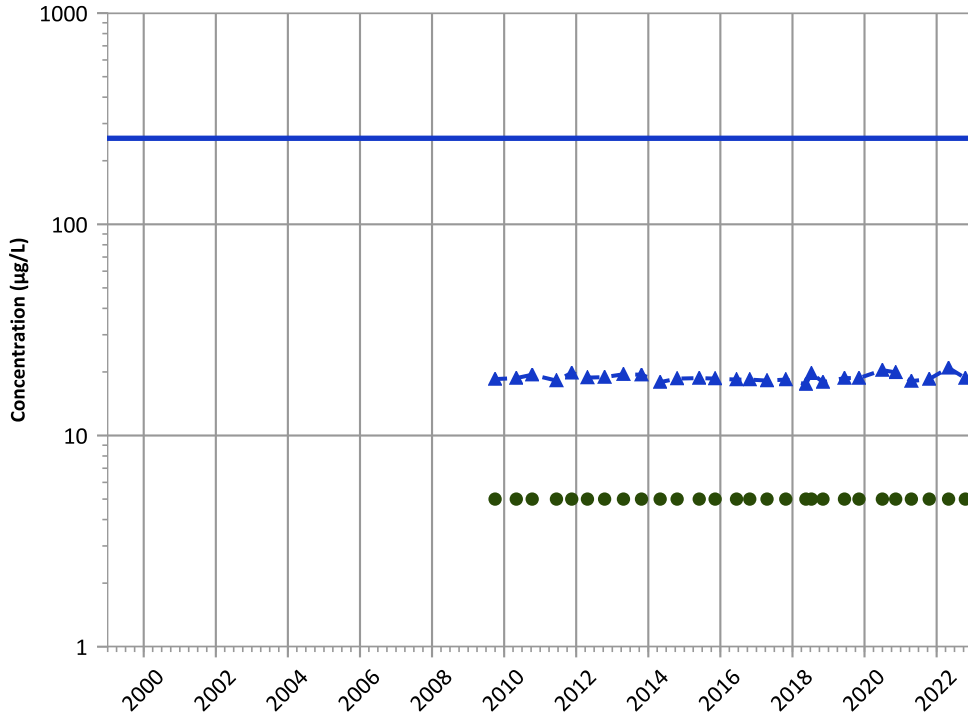
All Data:

Stable

2020 - 2022 Data:

Decreasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Decreasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

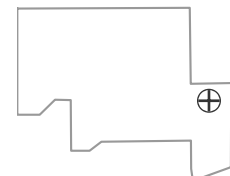
All Data:

Increasing

2020 - 2022 Data:

No Trend

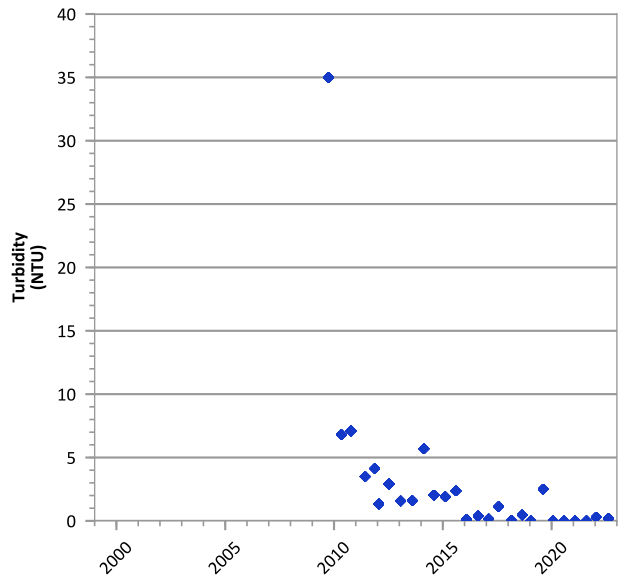
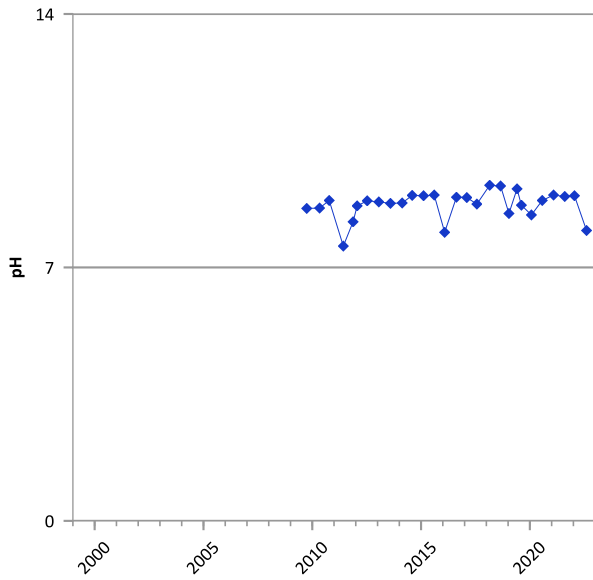
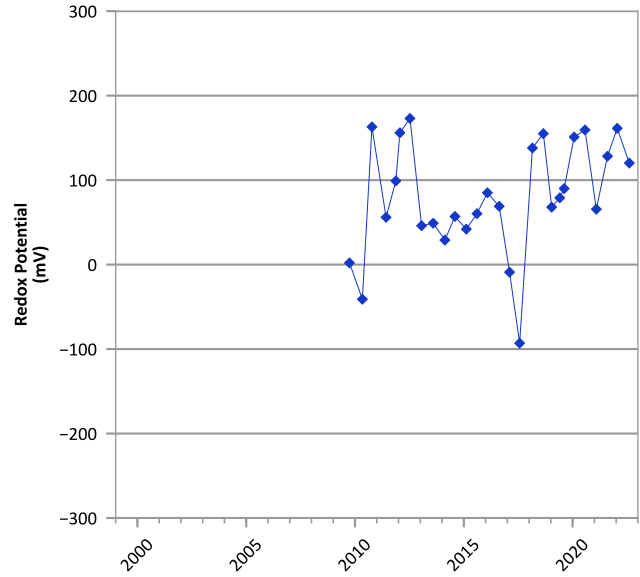
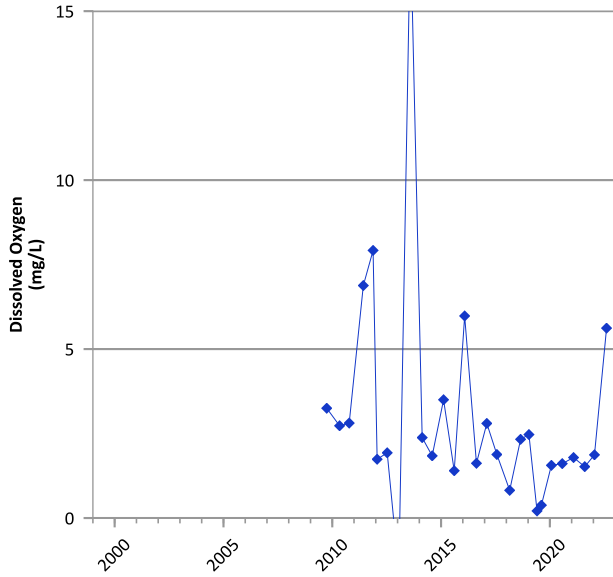
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/01/2009 to 10/19/2022  
Analysis Date: 04/11/2023

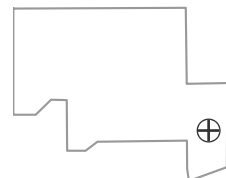
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



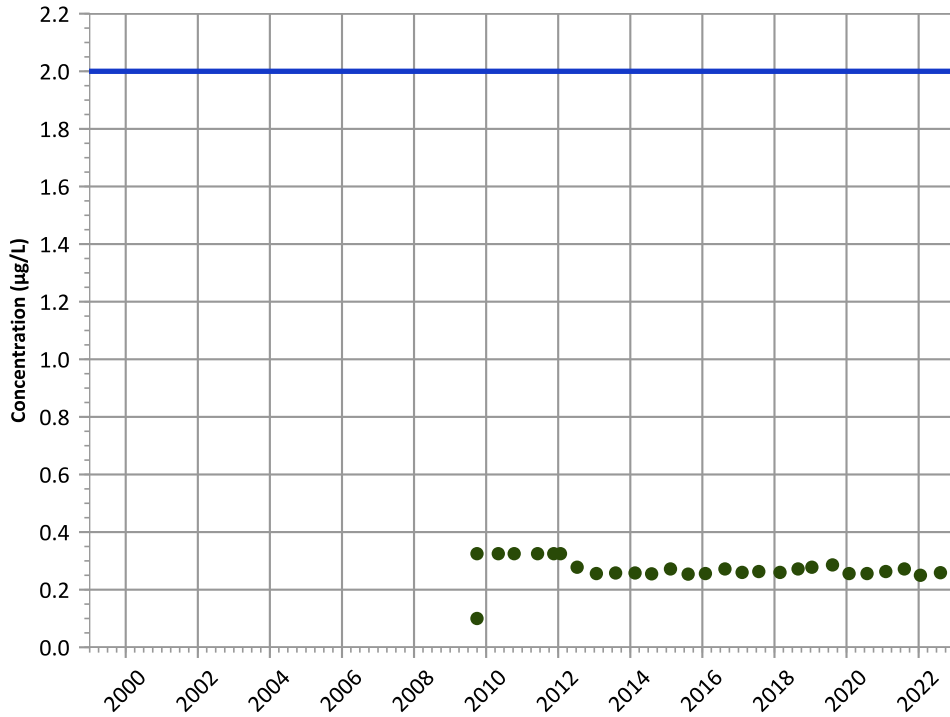
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 09/30/2009 to 08/10/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

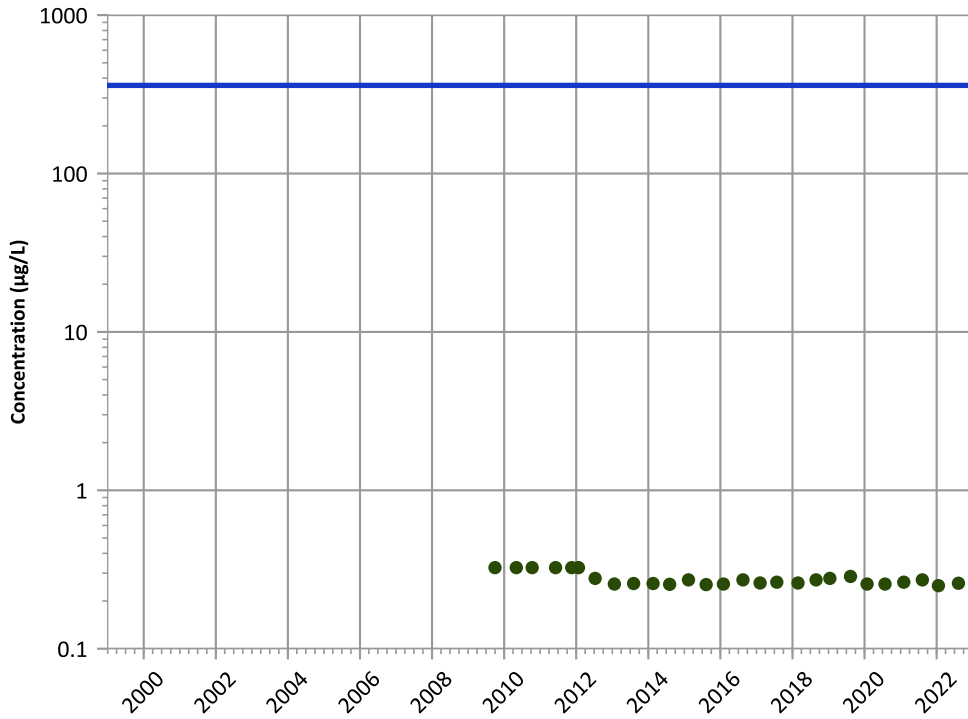
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

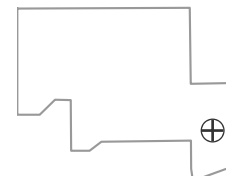
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

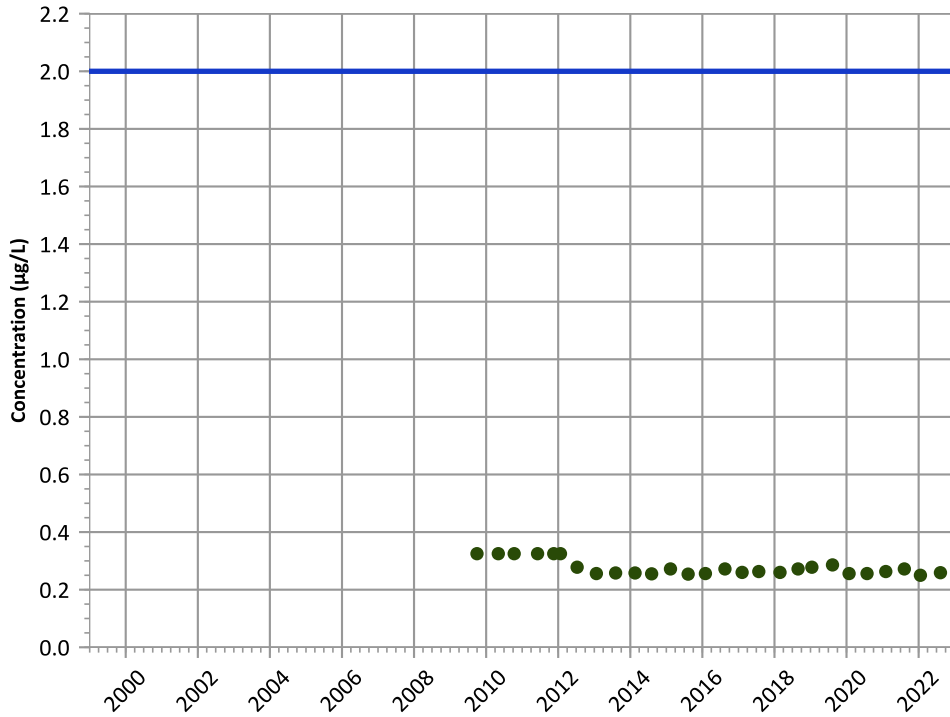
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

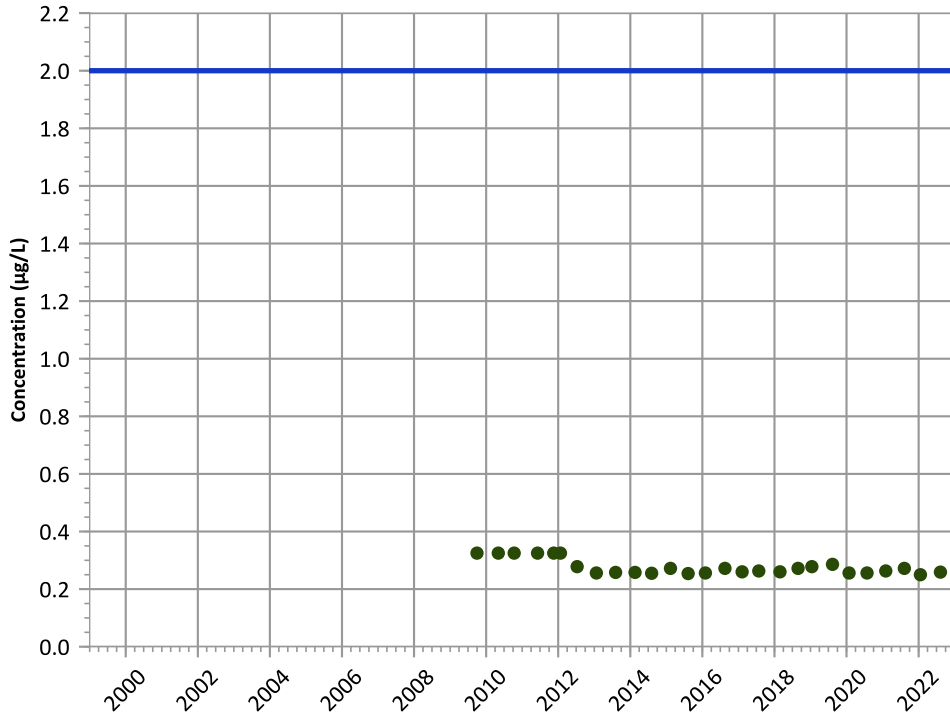
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

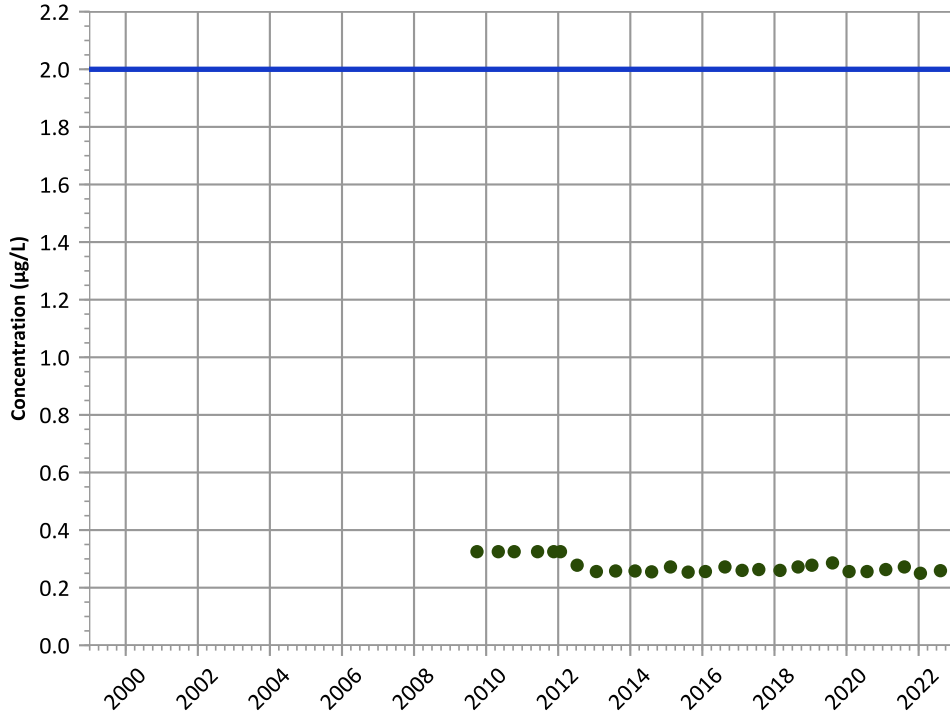
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

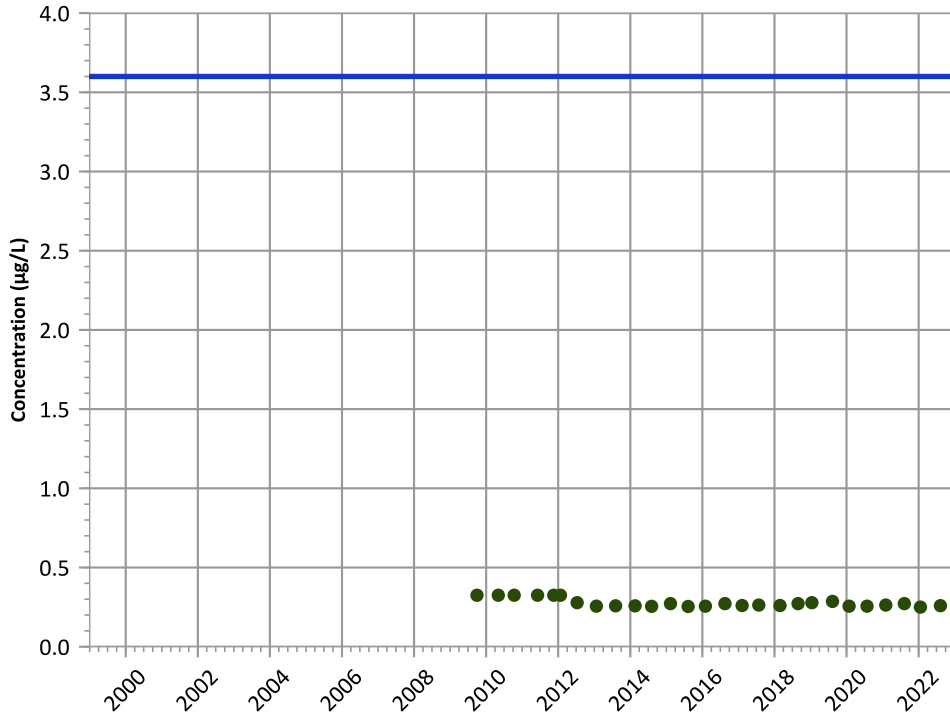
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

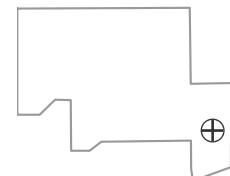
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

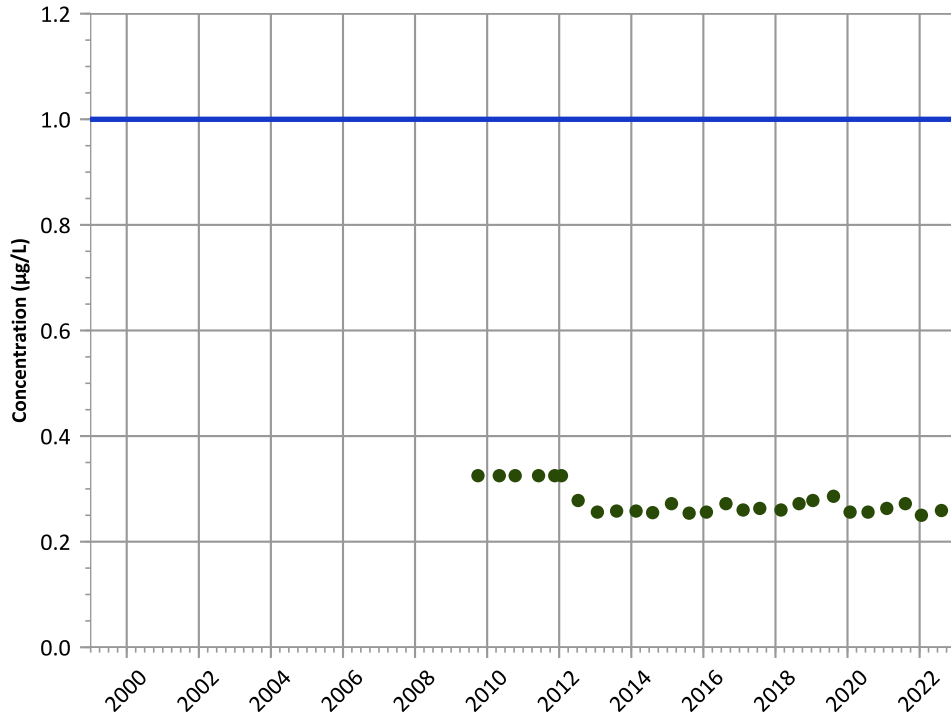


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

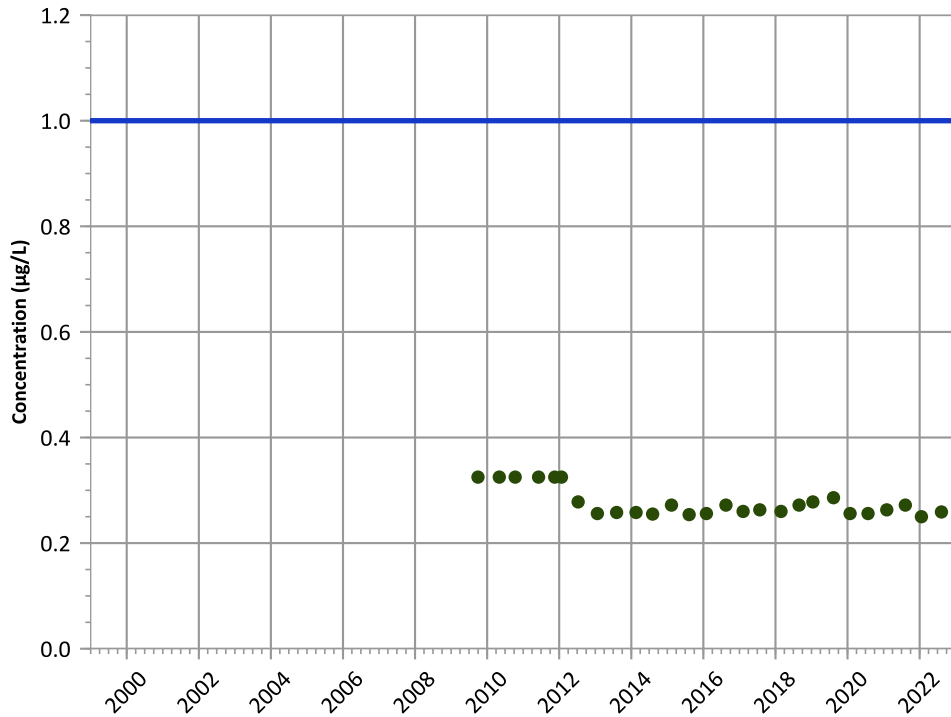
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

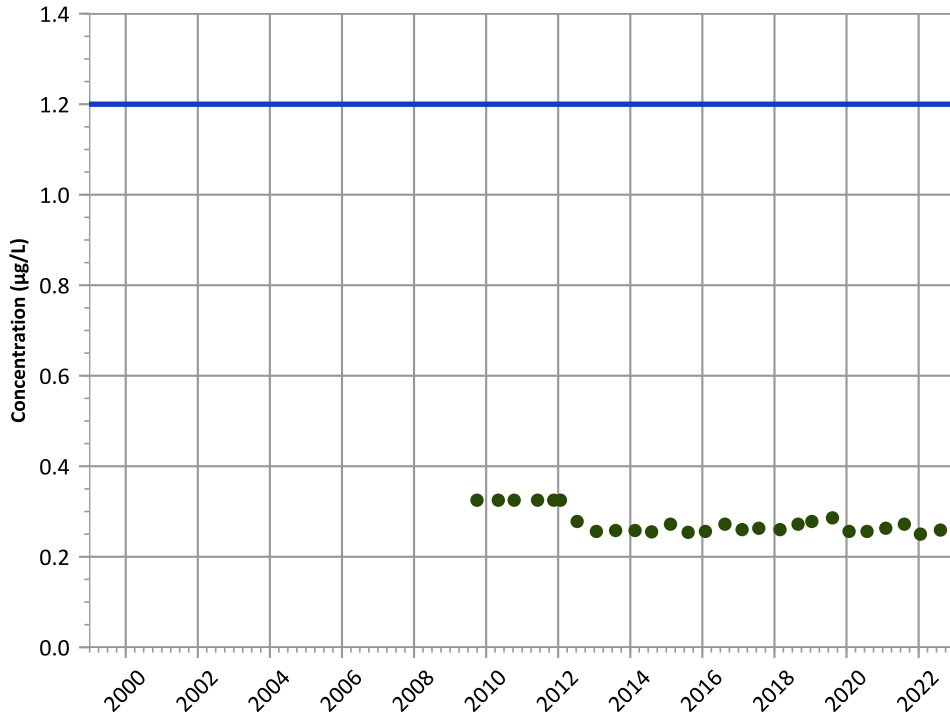


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

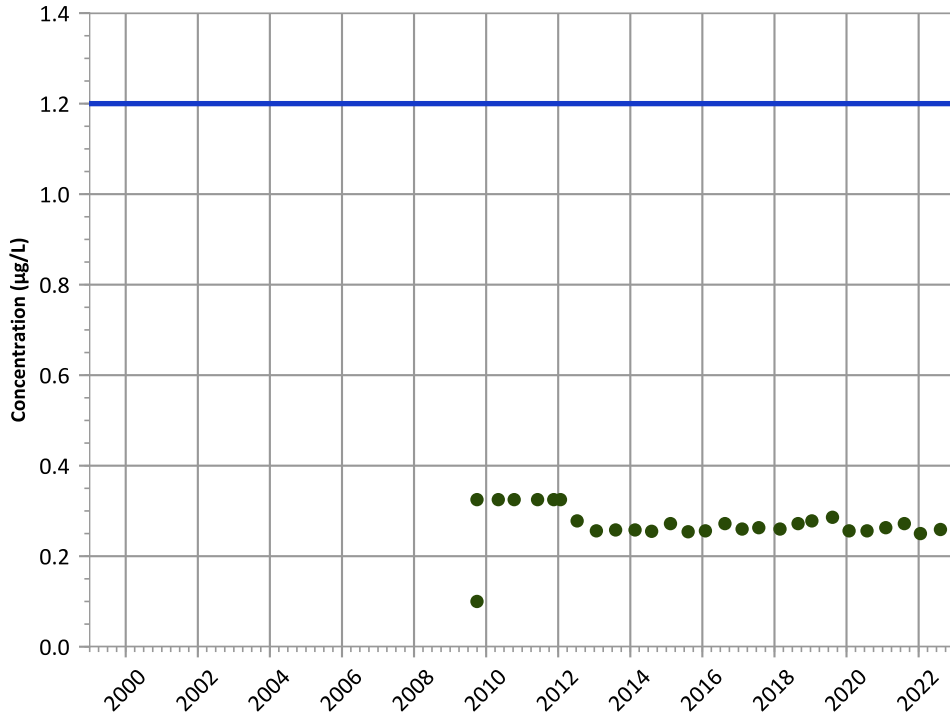
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

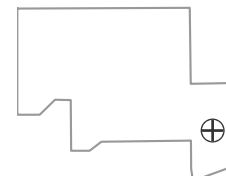
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

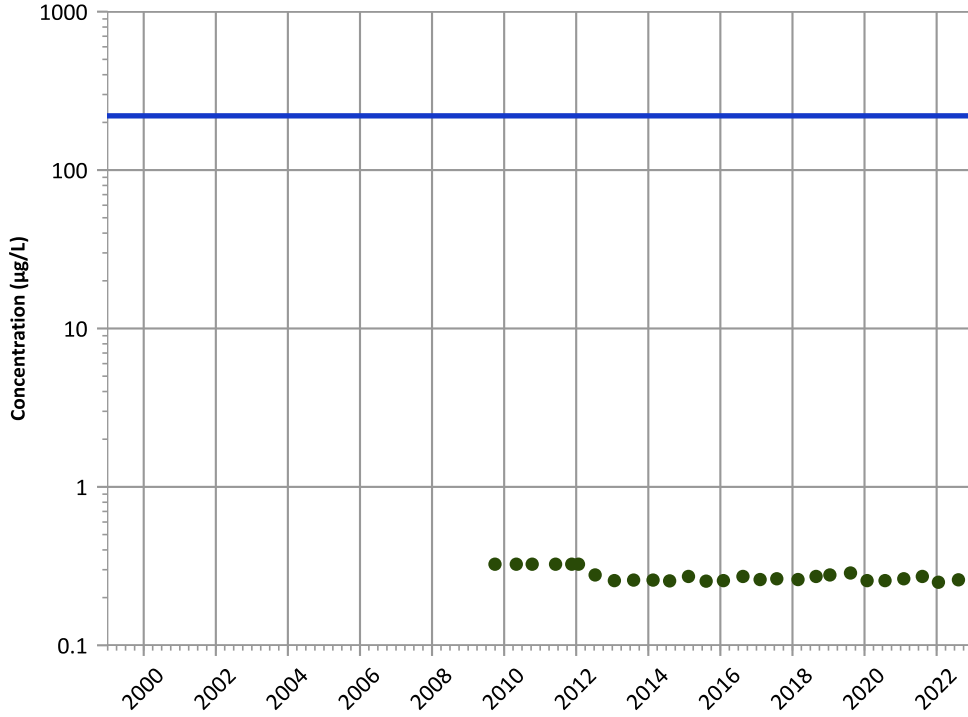


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

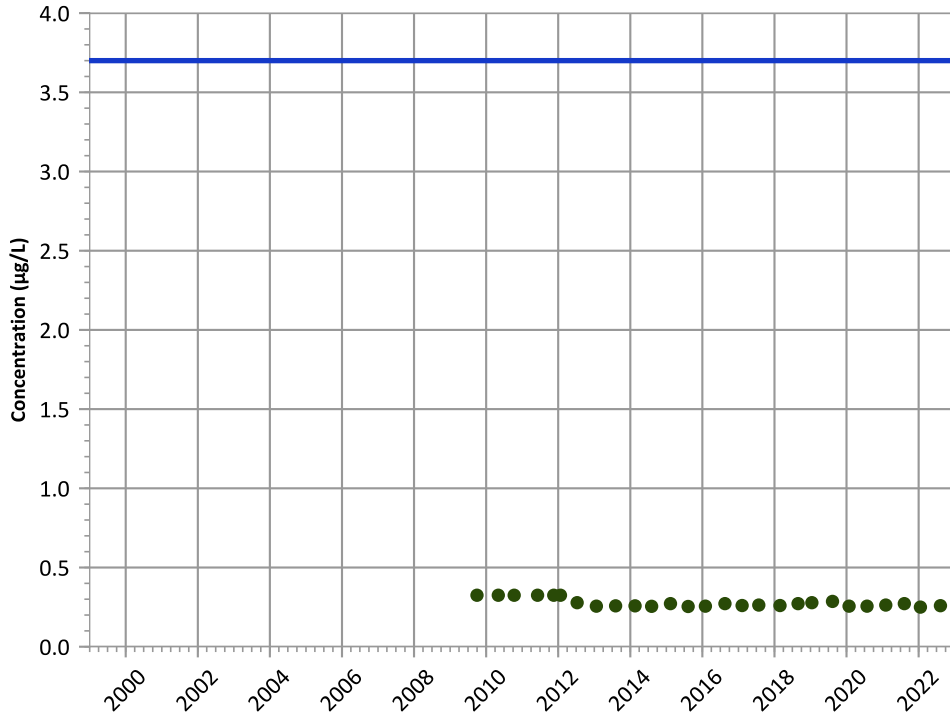
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

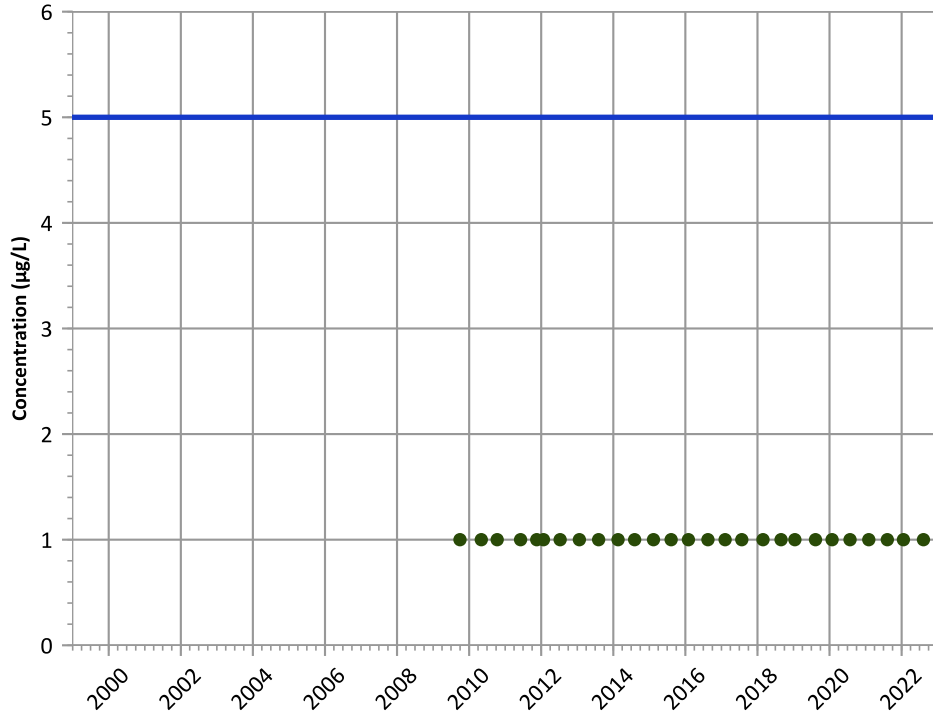
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

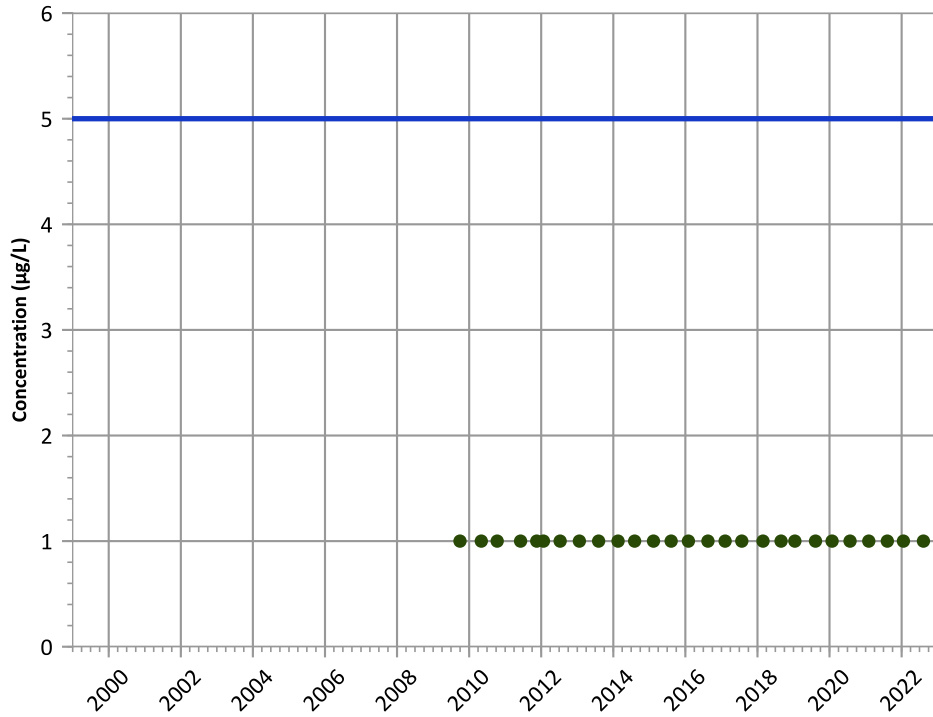
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

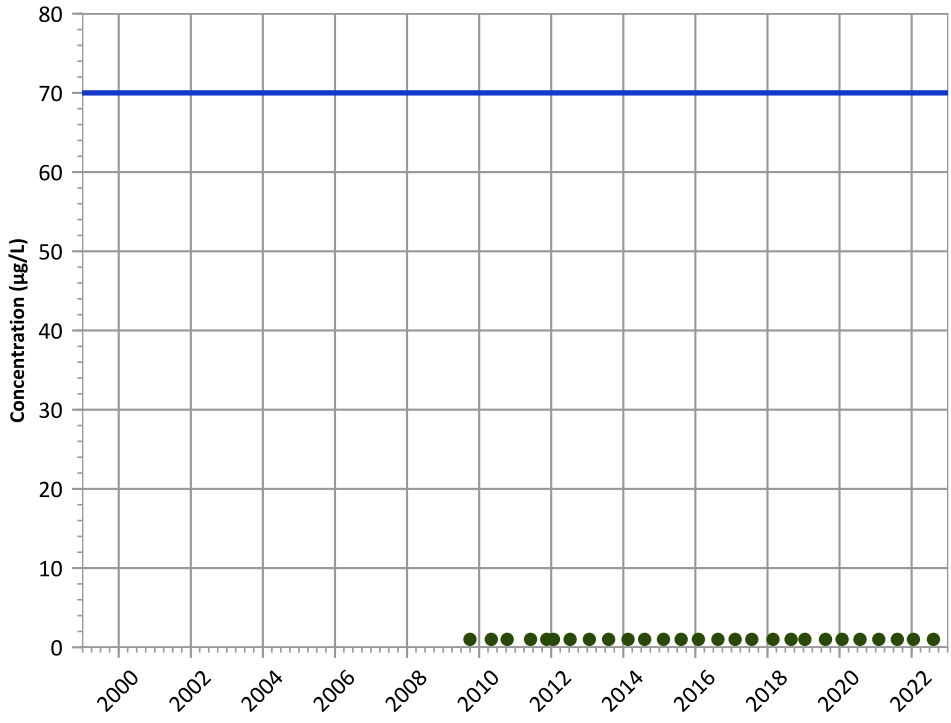
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant**  
**cis-1,2-Dichloroethene Trend**



**Concentration Trend**

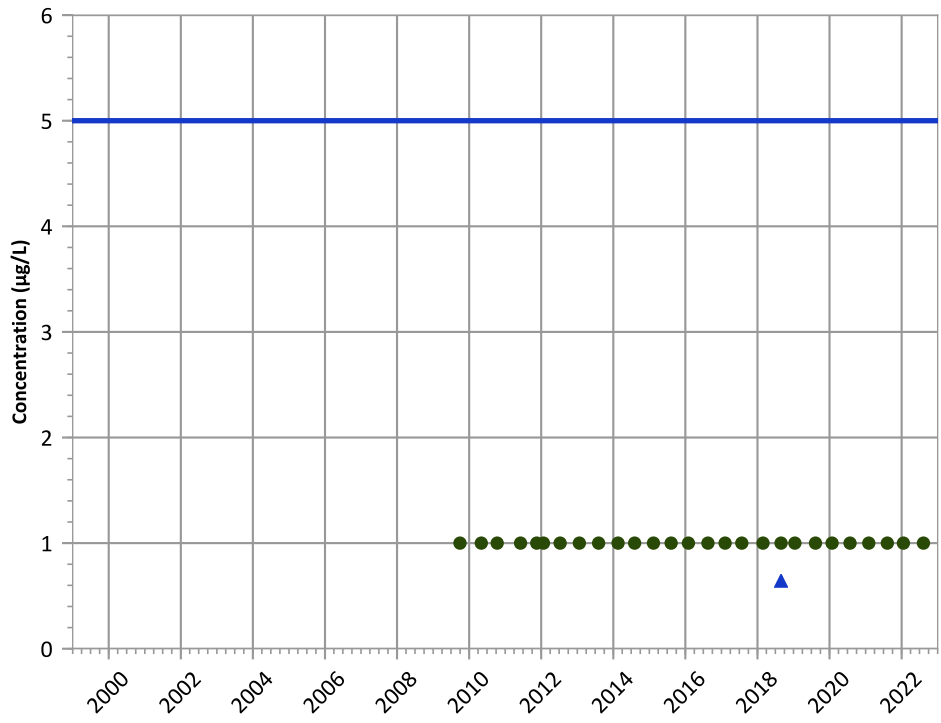
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

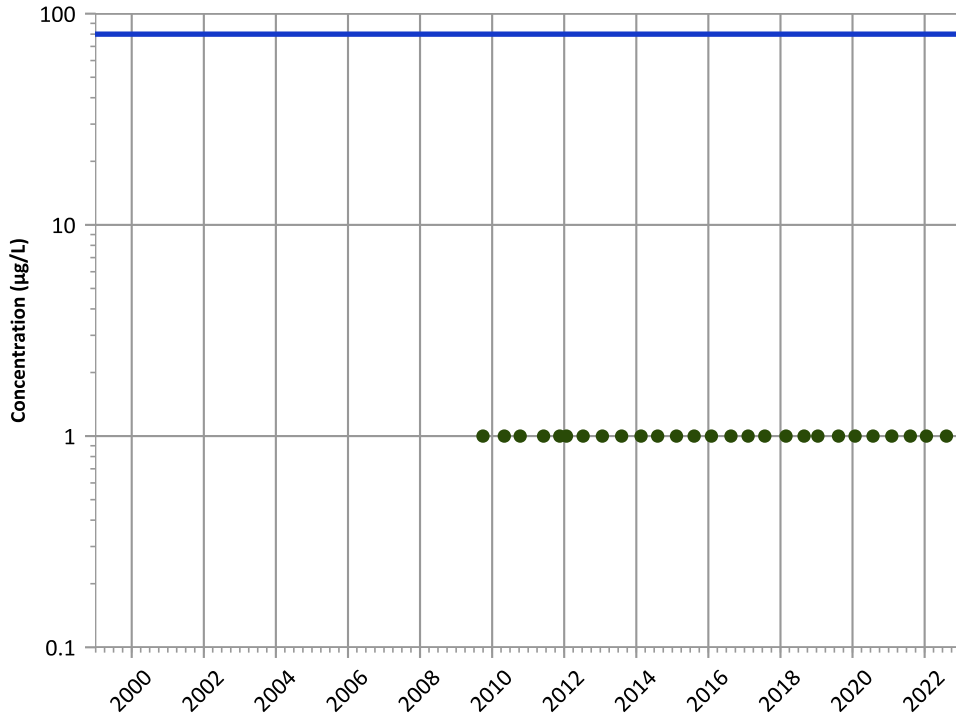
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

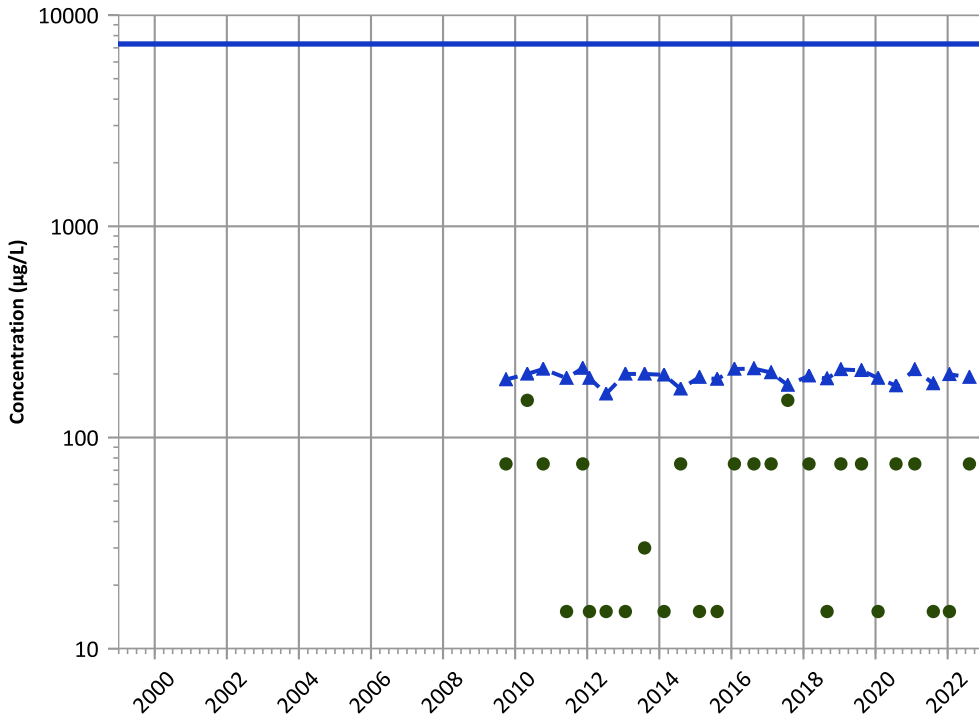
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

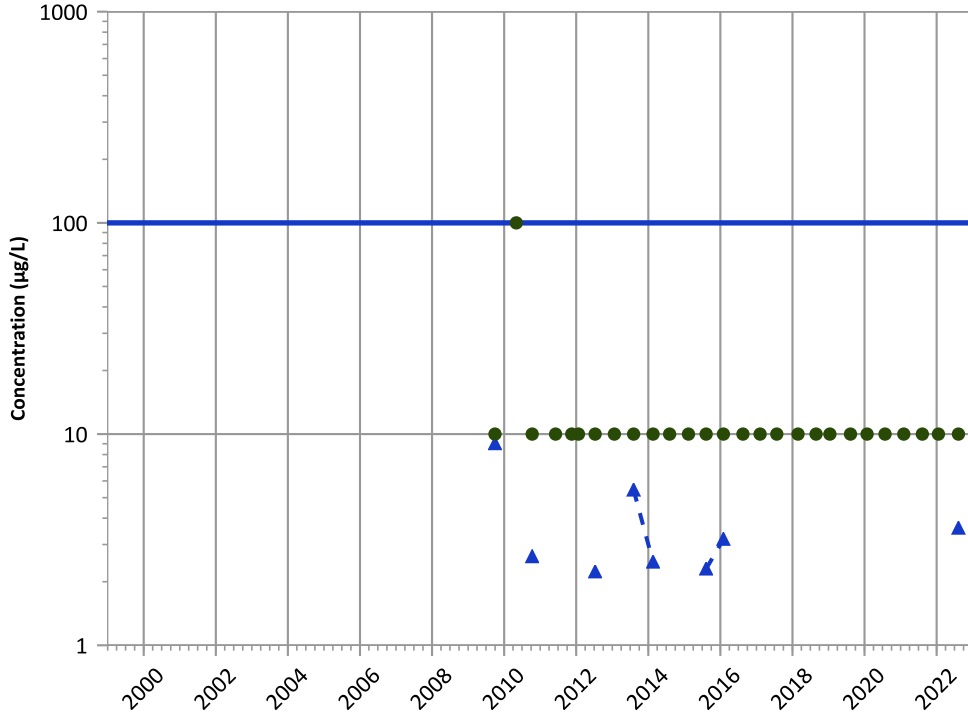
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

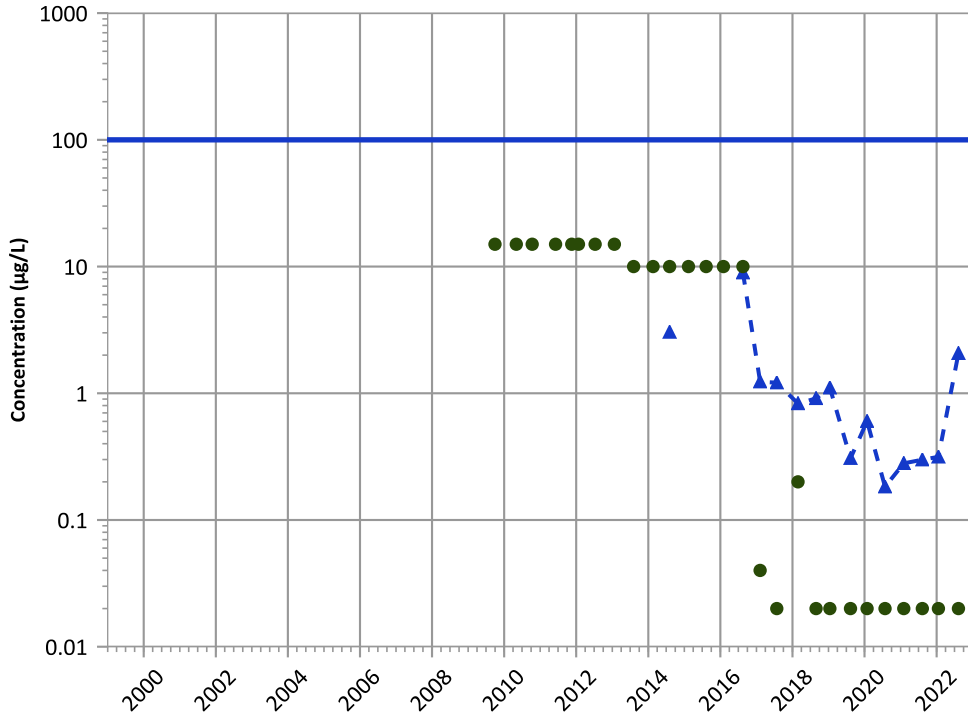
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Increasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

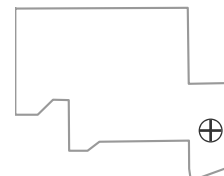
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

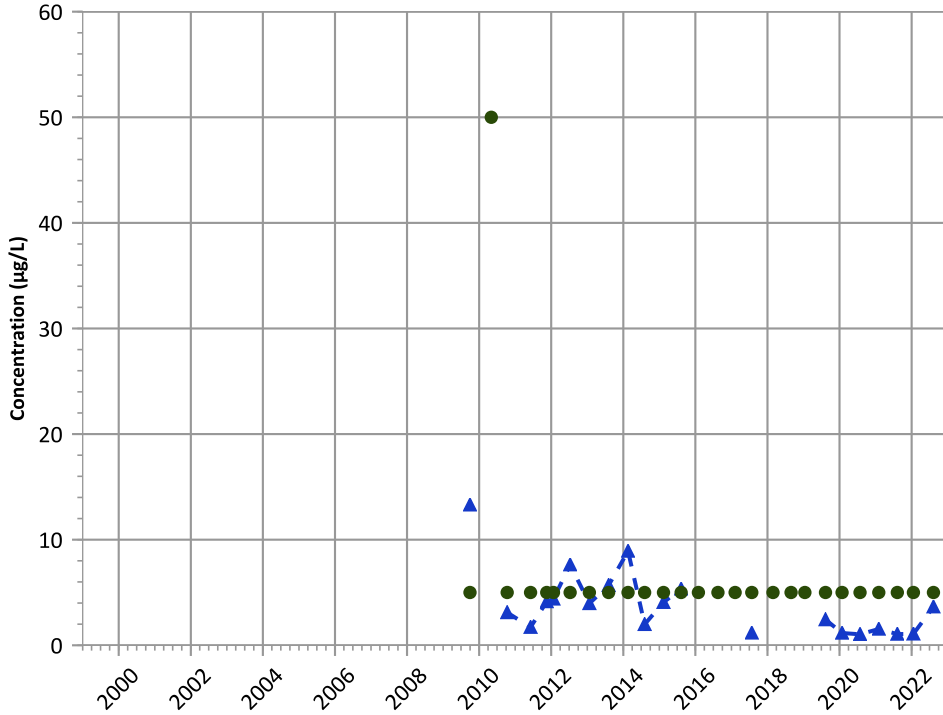
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

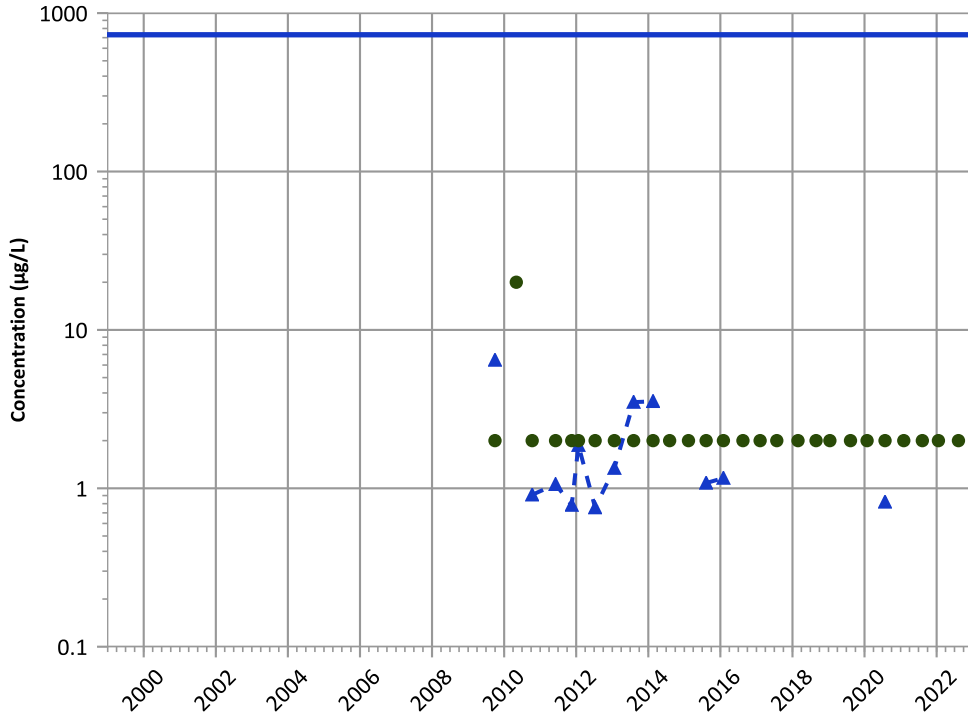
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Nickel Trend



Concentration Trend

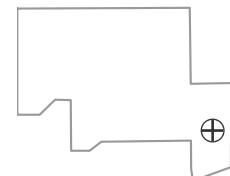
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Decreasing

Well Location



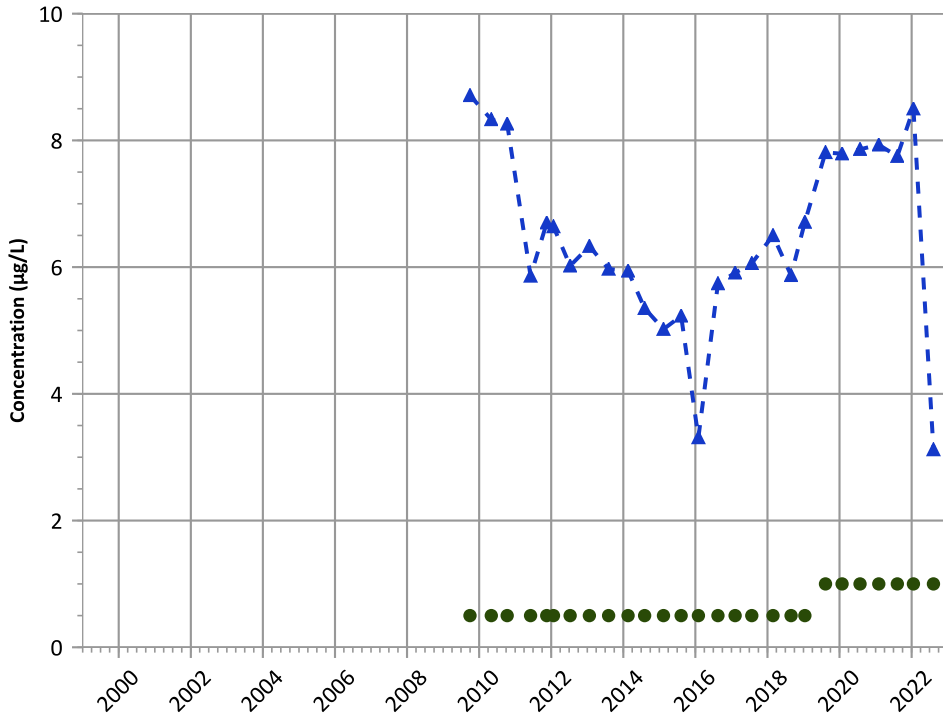
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

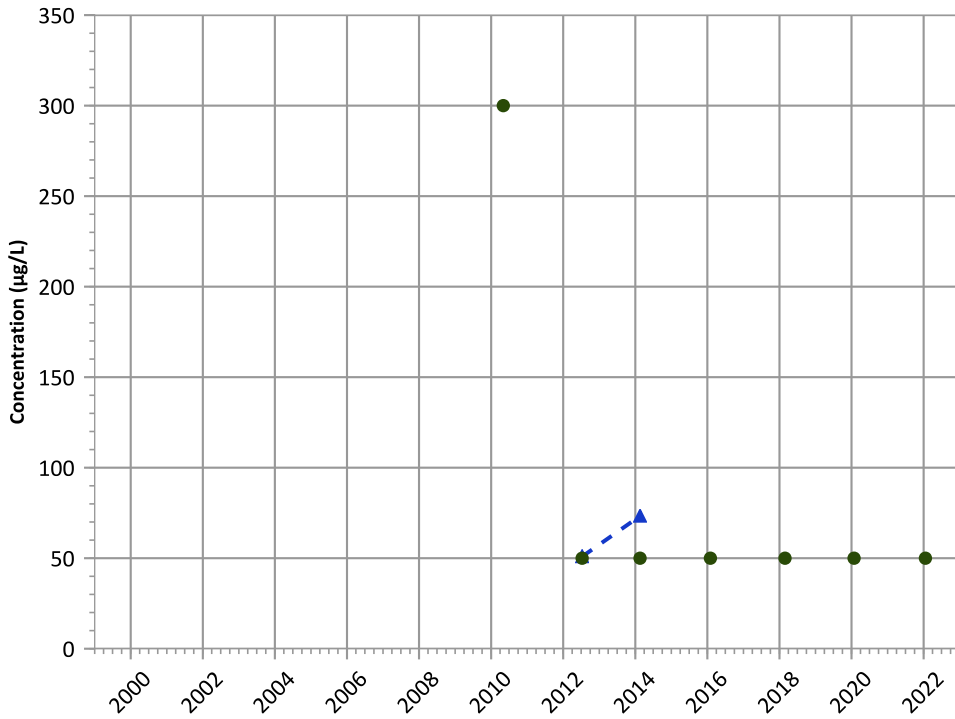
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: N/A (<4 Detections in Dataset)  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: N/A (<4 Detections in Dataset)  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

Well Location

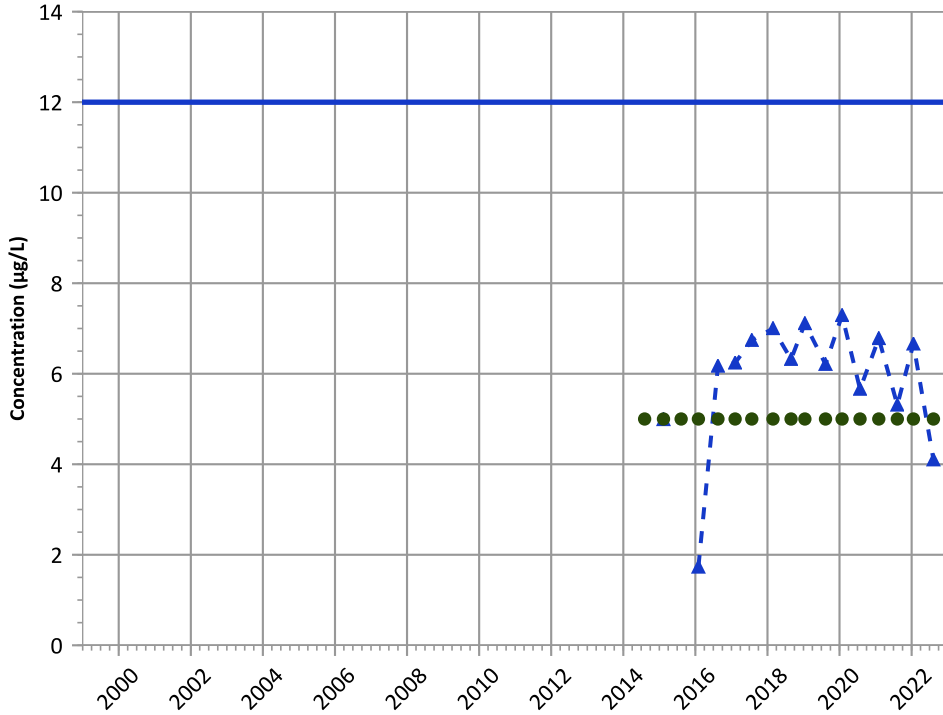


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

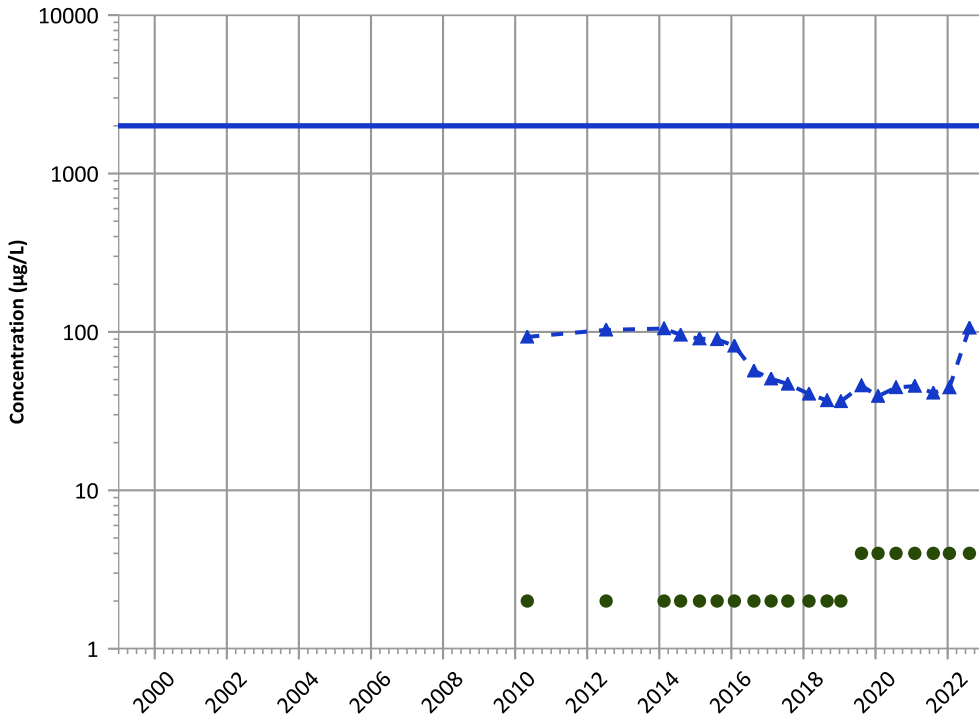
MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Stable

Barium Trend



Concentration Trend

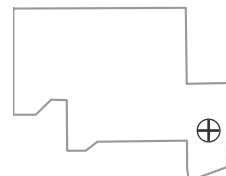
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Well Location

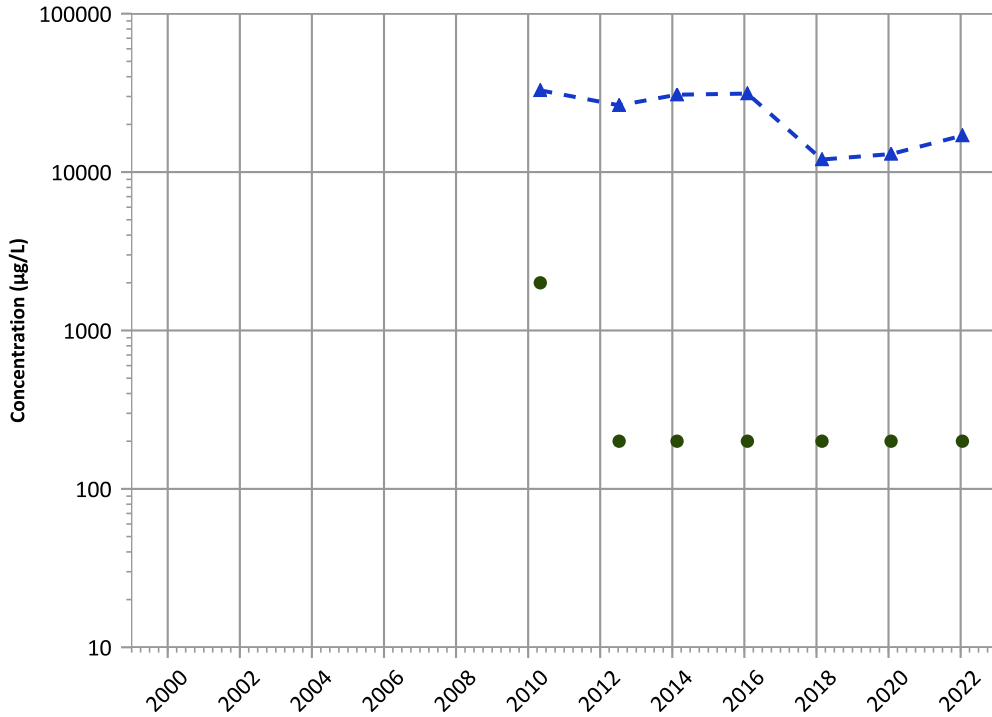


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

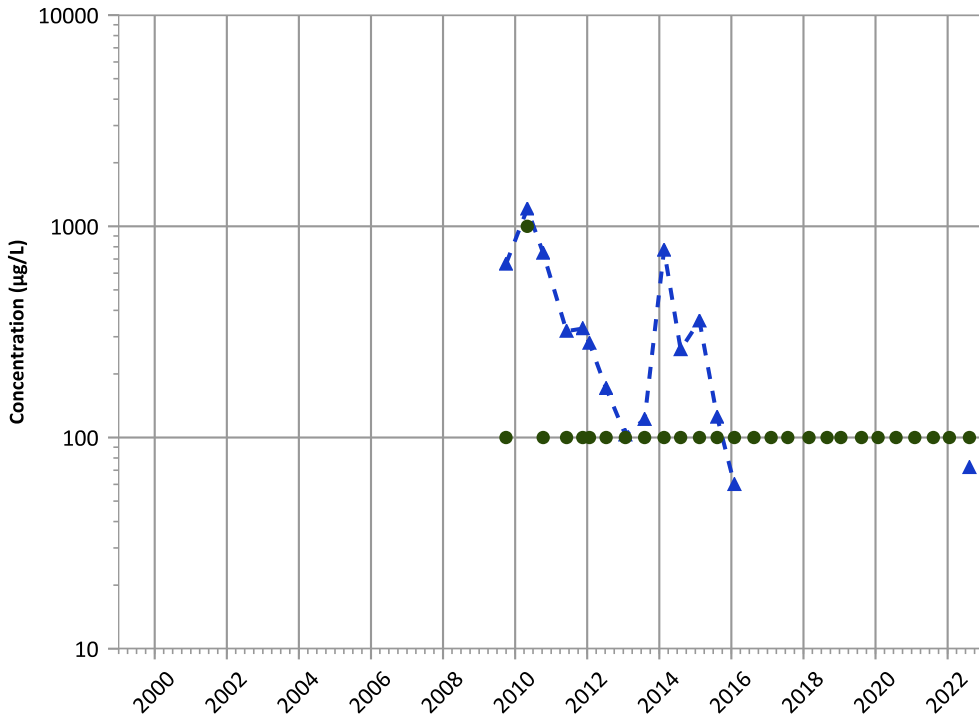
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Probably Decreasing

Well Location

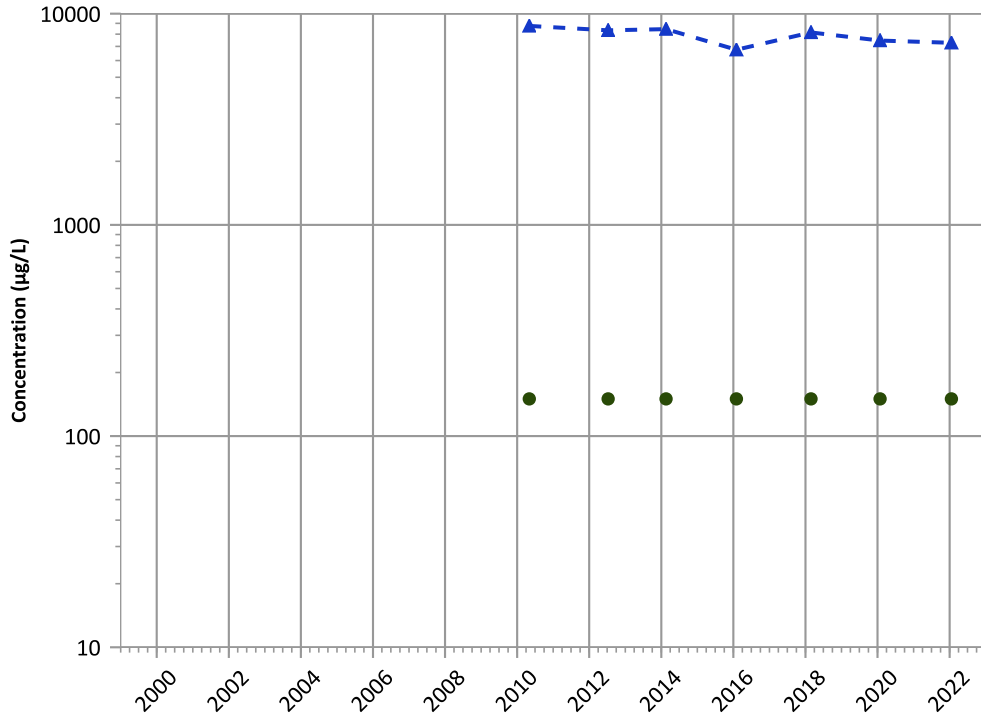


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

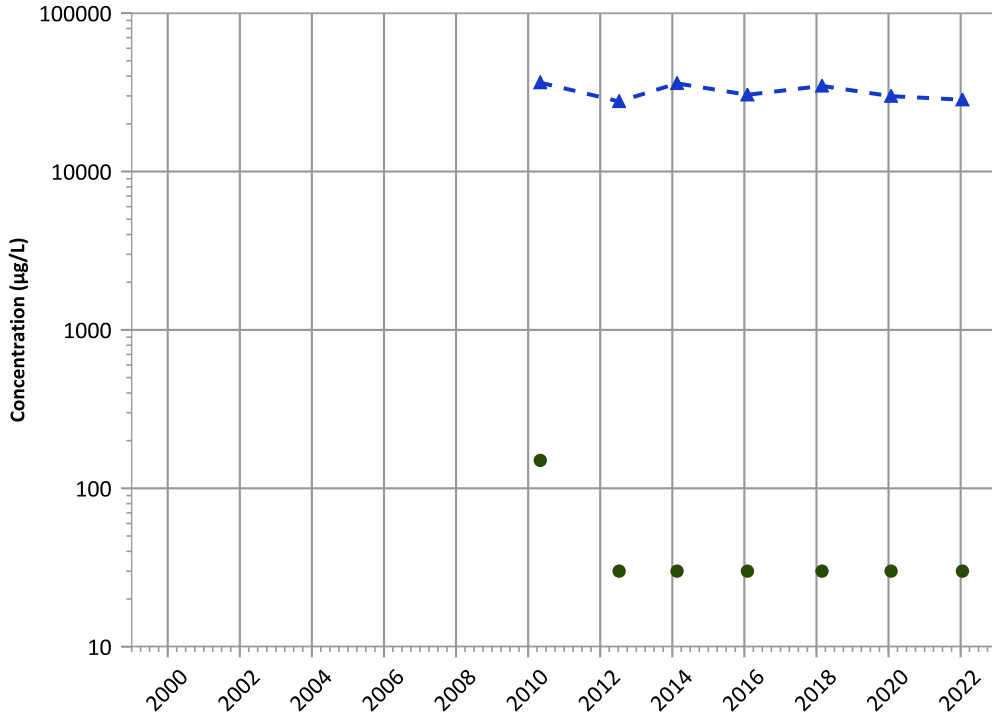
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

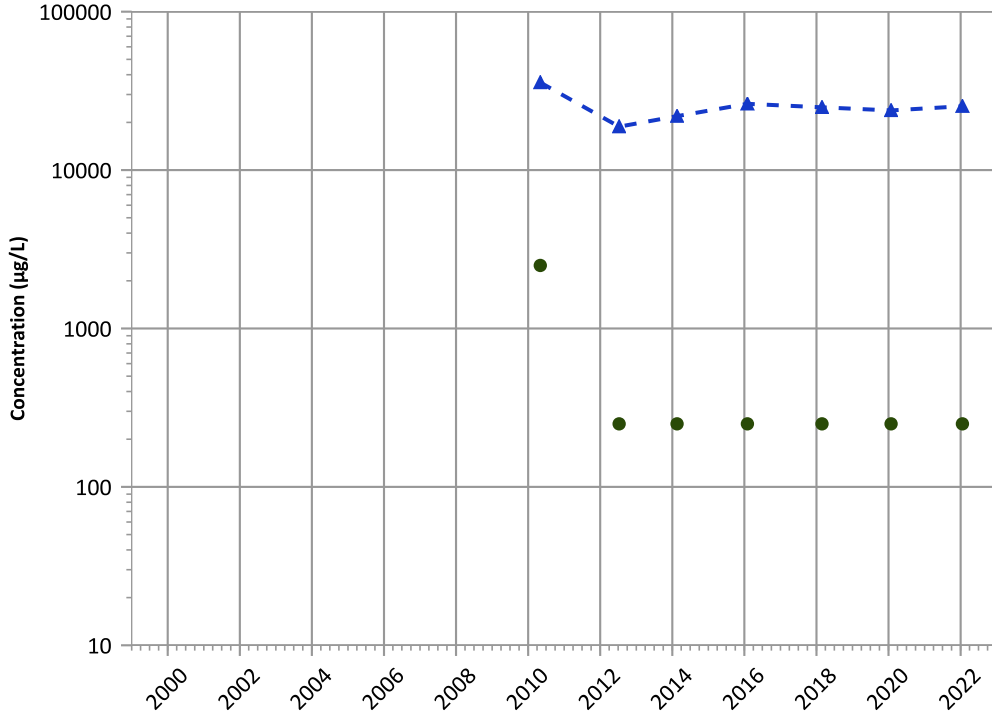
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1139 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

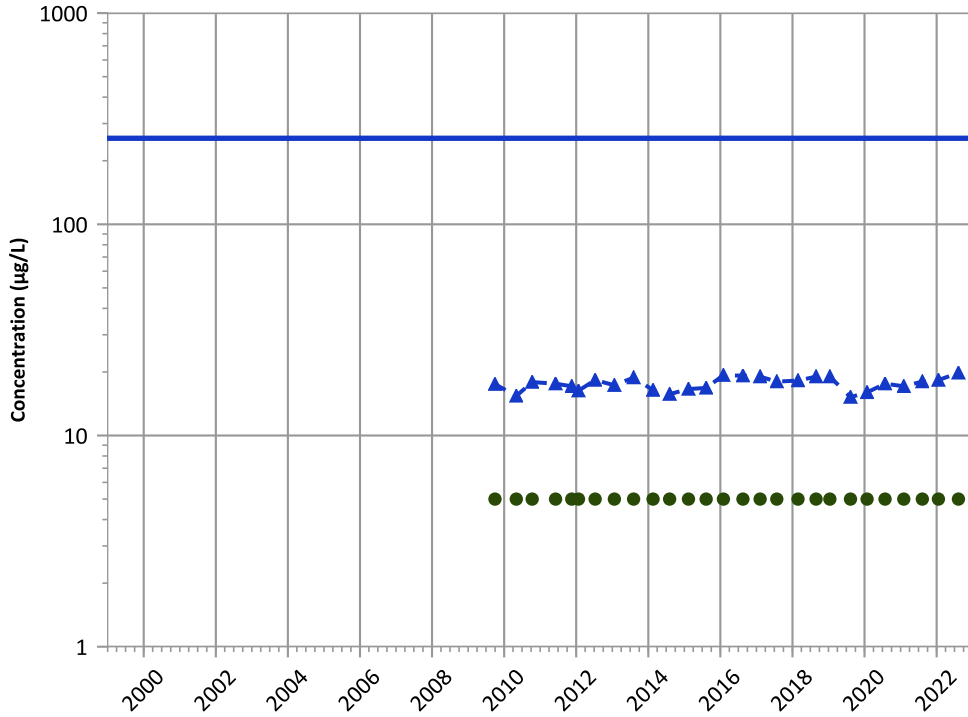
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Stable

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: Increasing

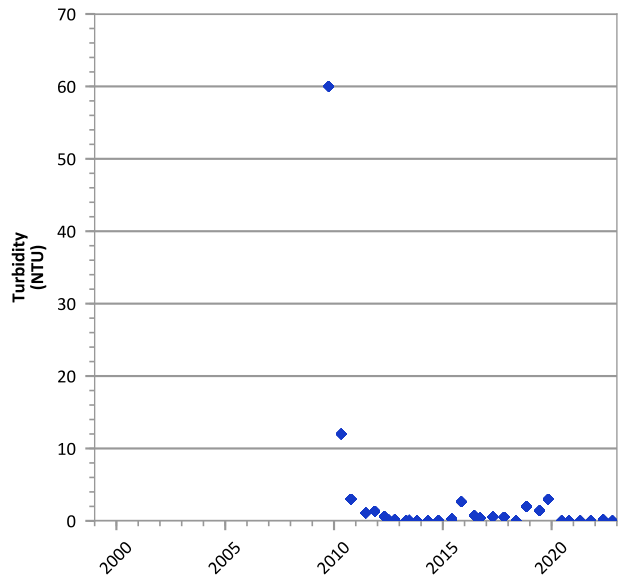
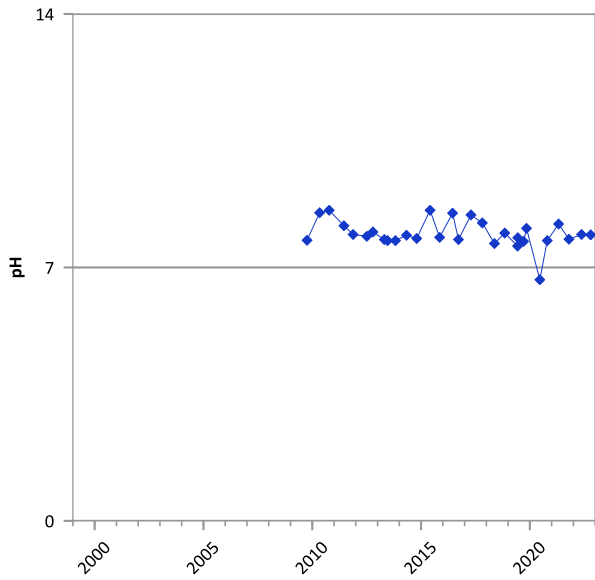
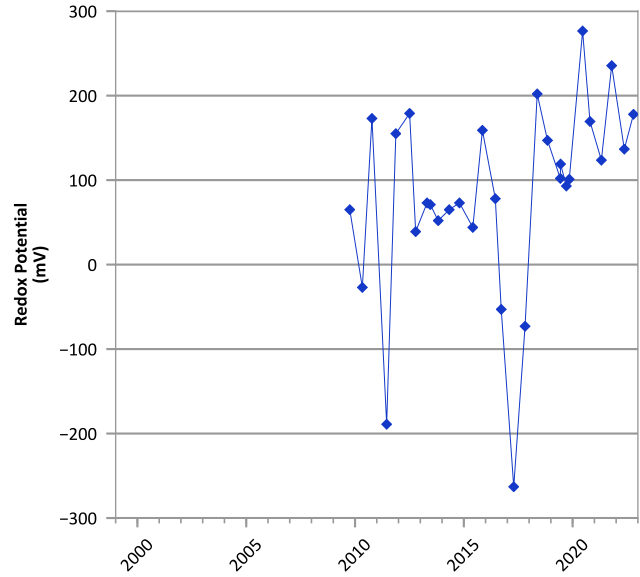
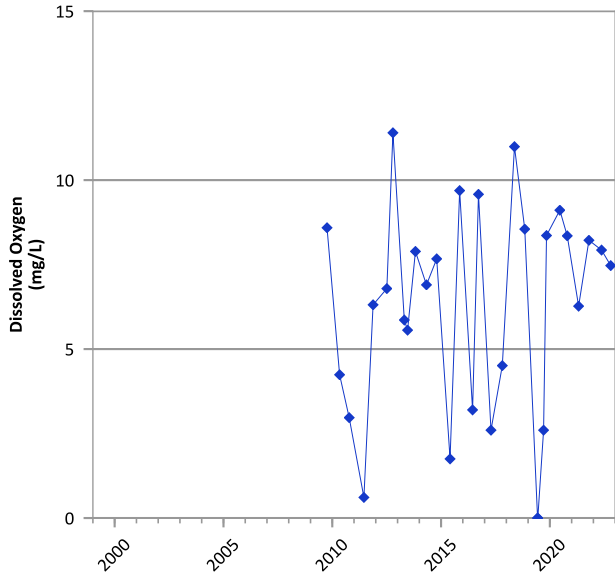
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 09/30/2009 to 08/10/2022  
Analysis Date: 04/11/2023

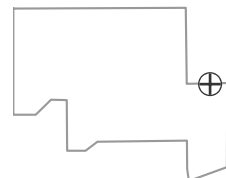
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



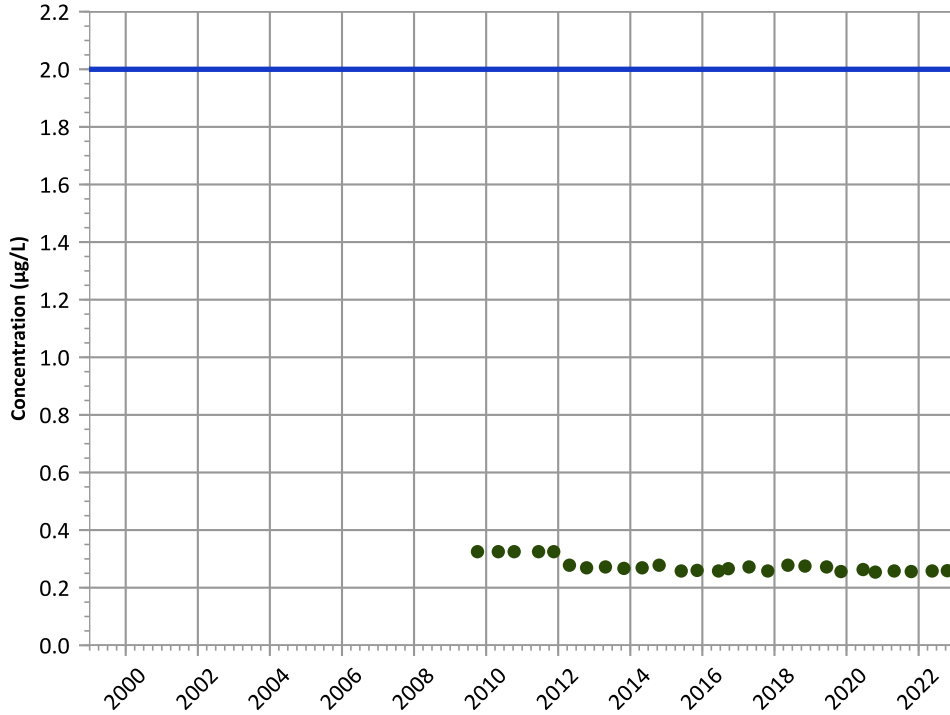
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/05/2009 to 10/19/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

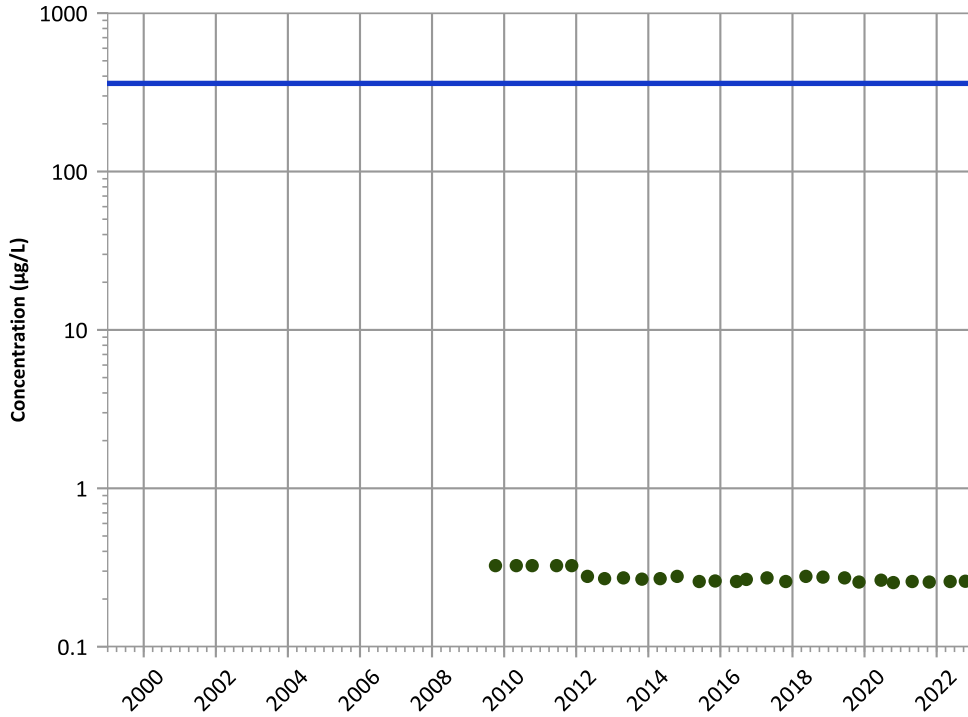
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

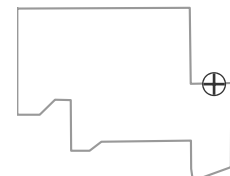
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

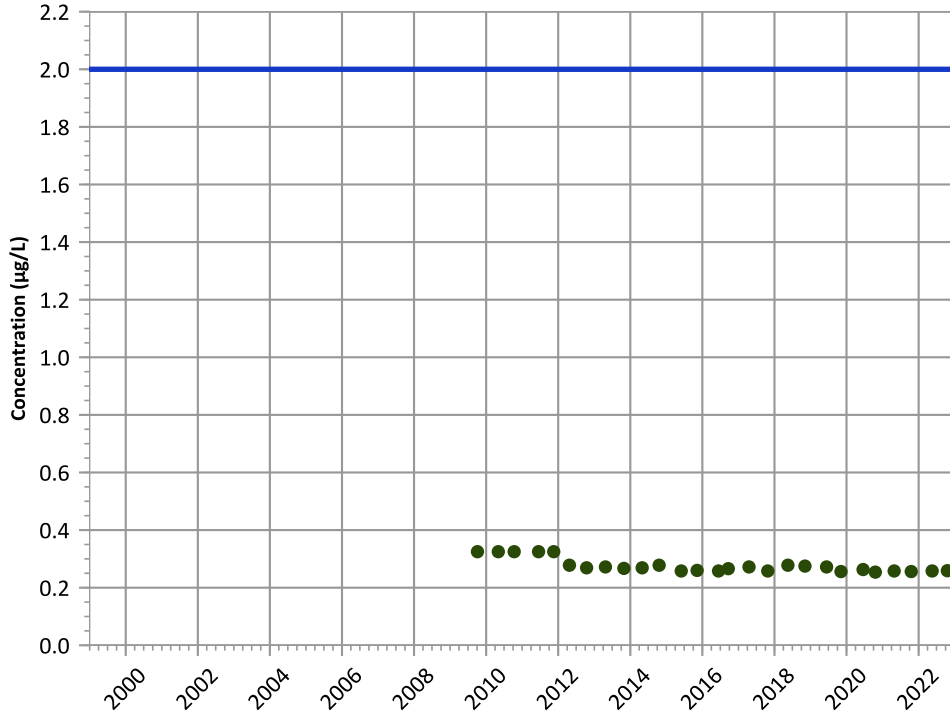
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

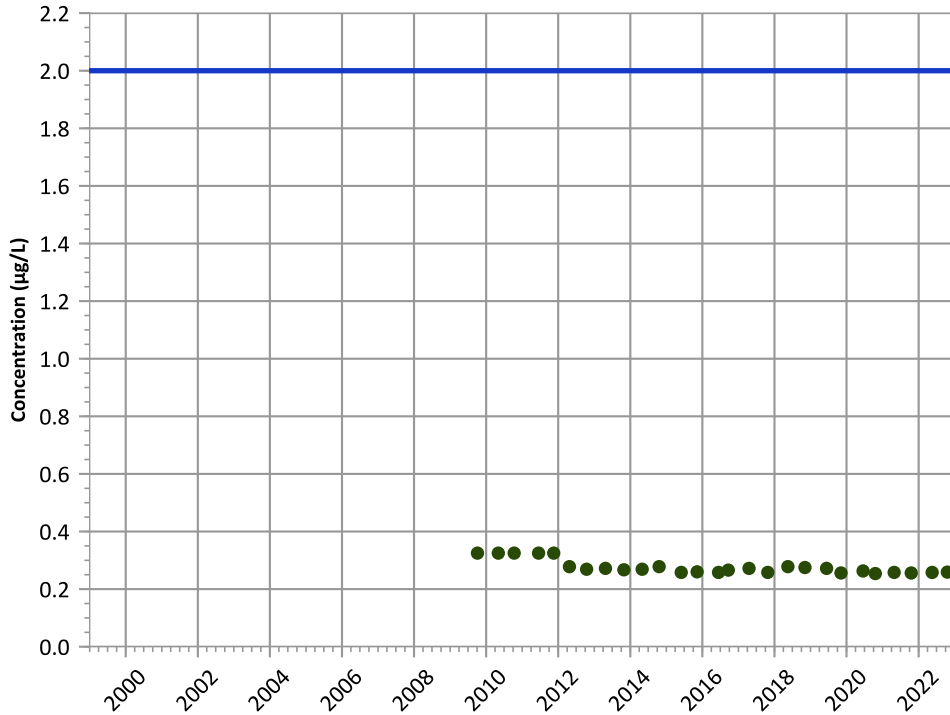
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

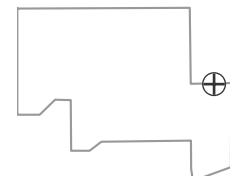
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**



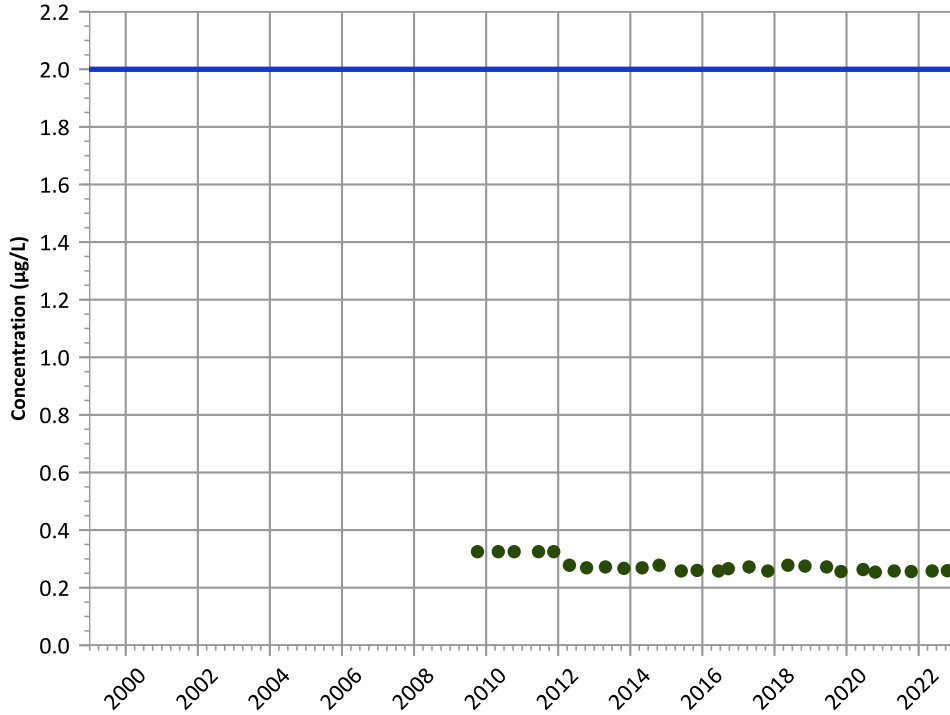
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

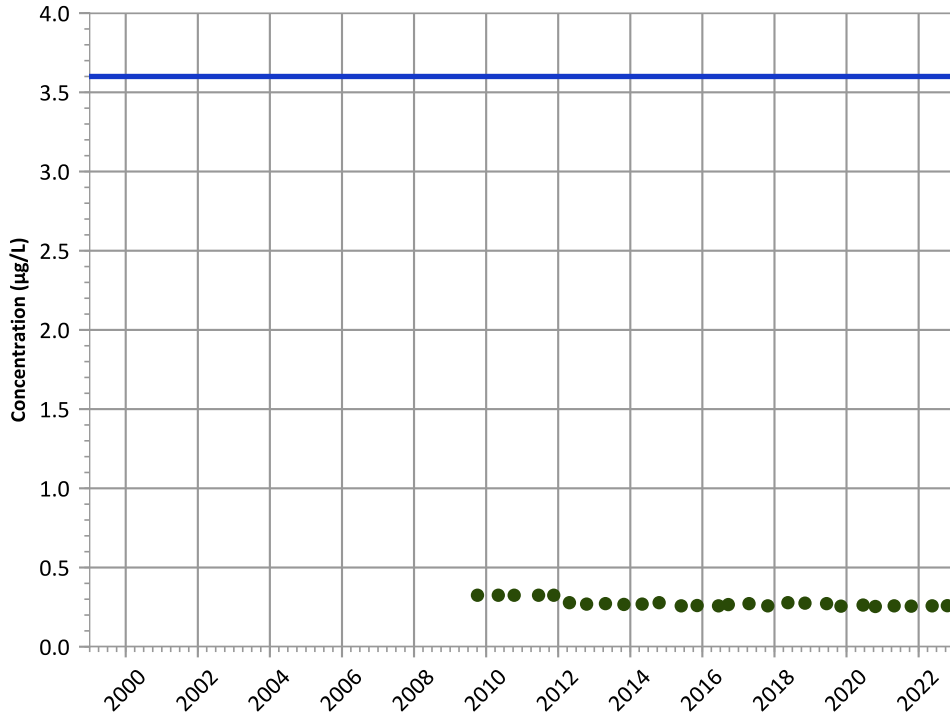
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

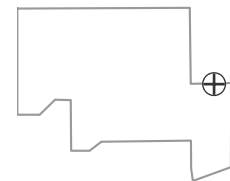
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

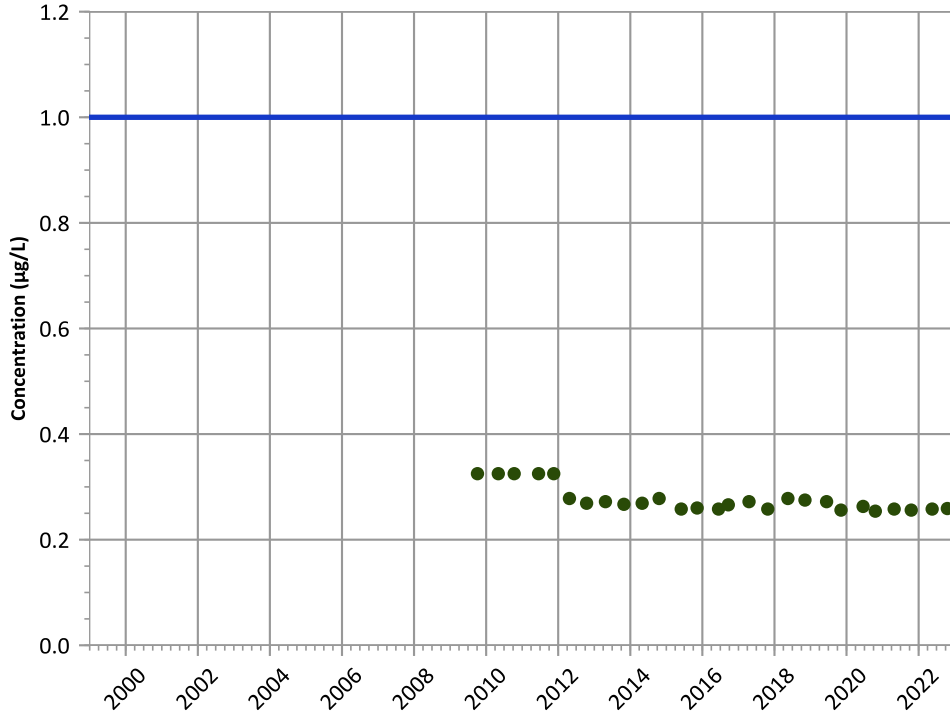


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

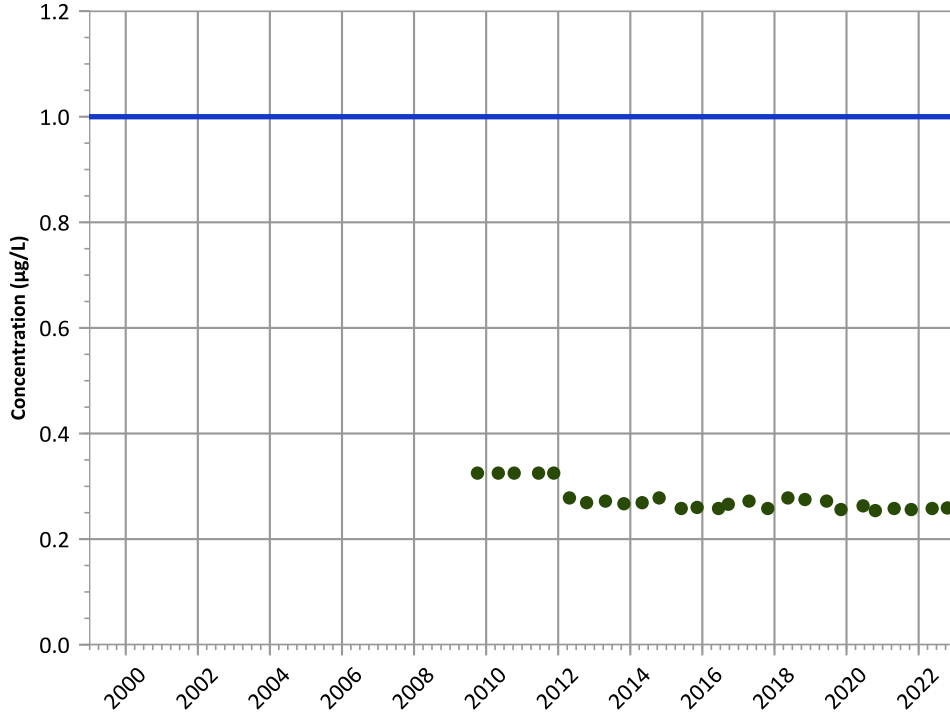
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

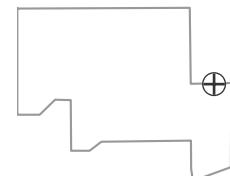
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

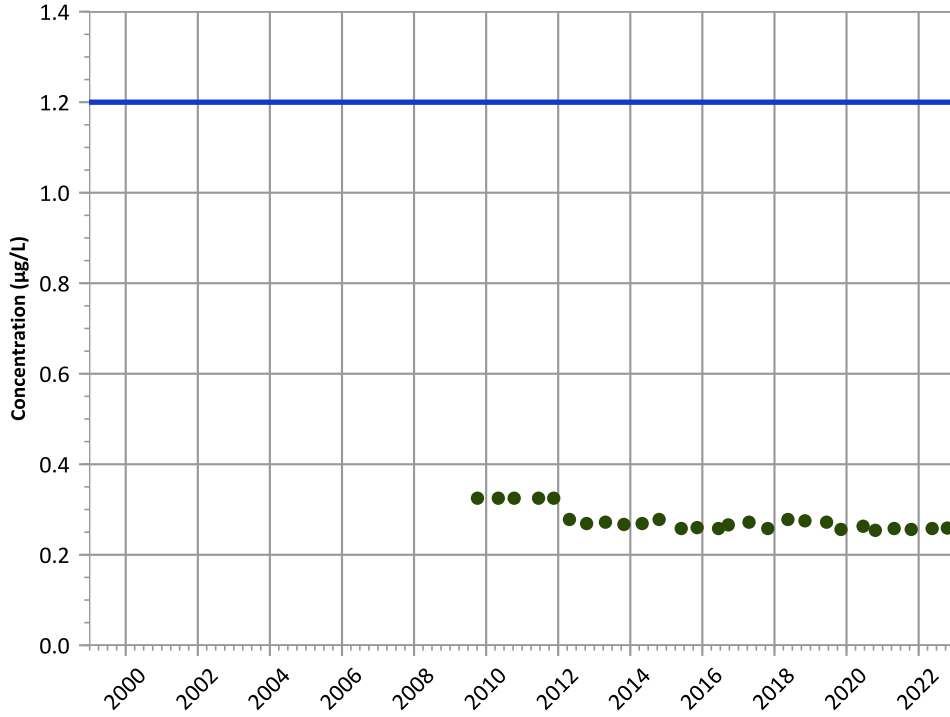


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

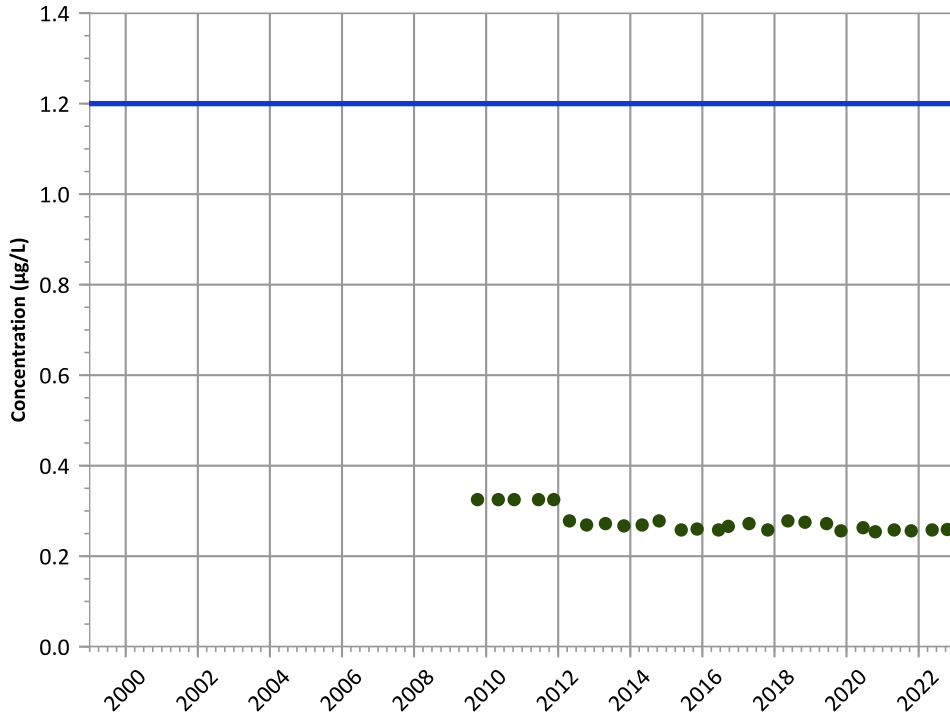
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

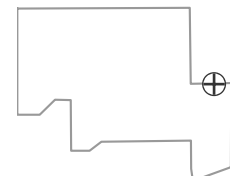
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

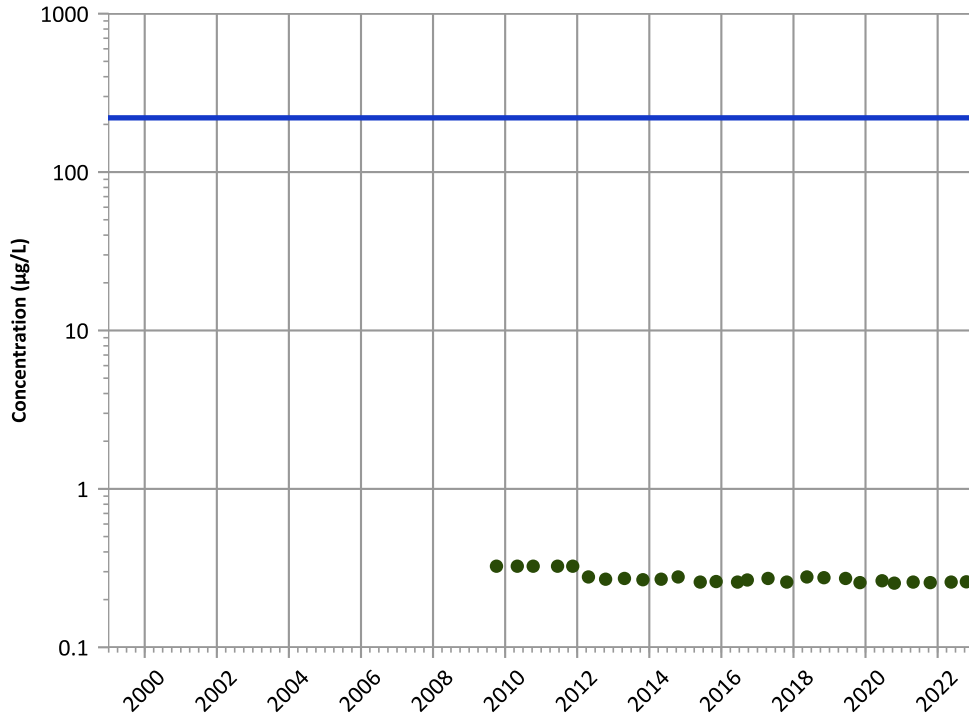


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

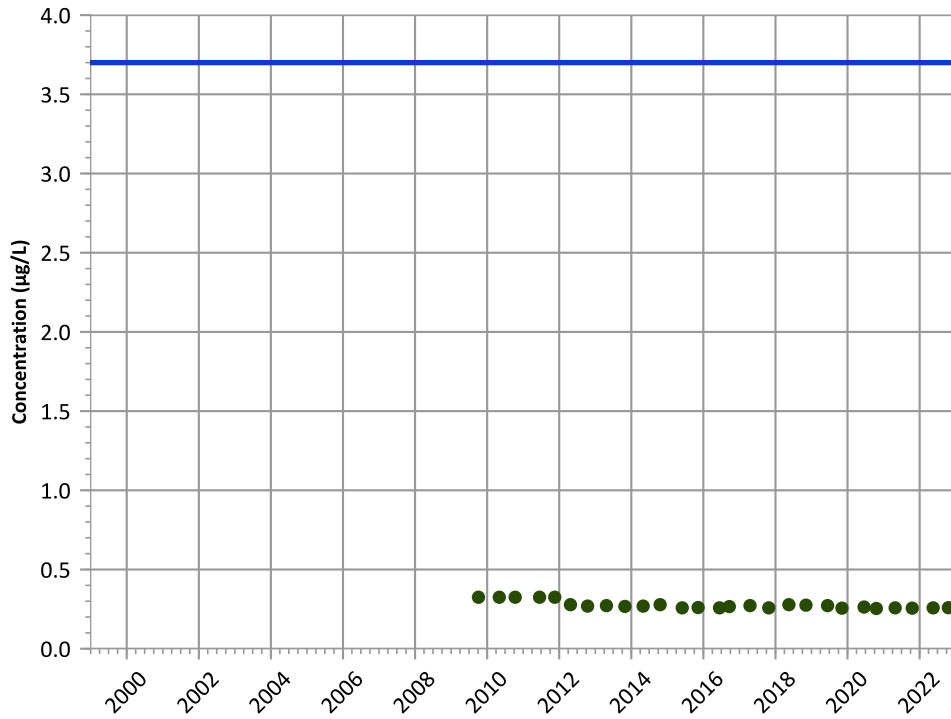
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

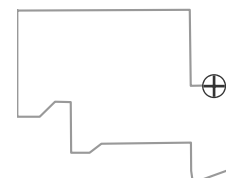
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

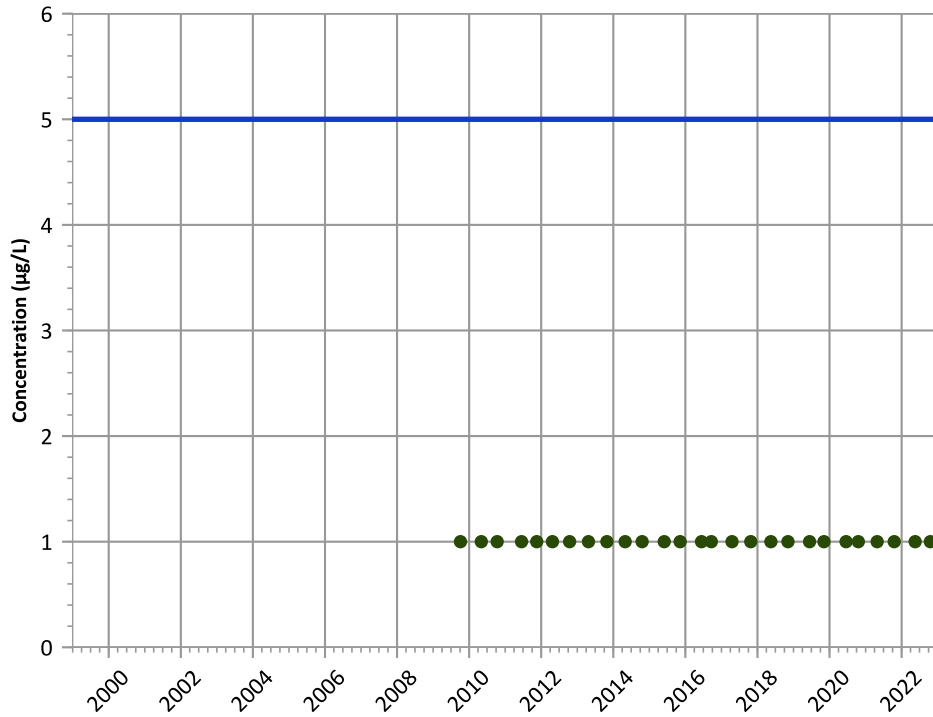
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

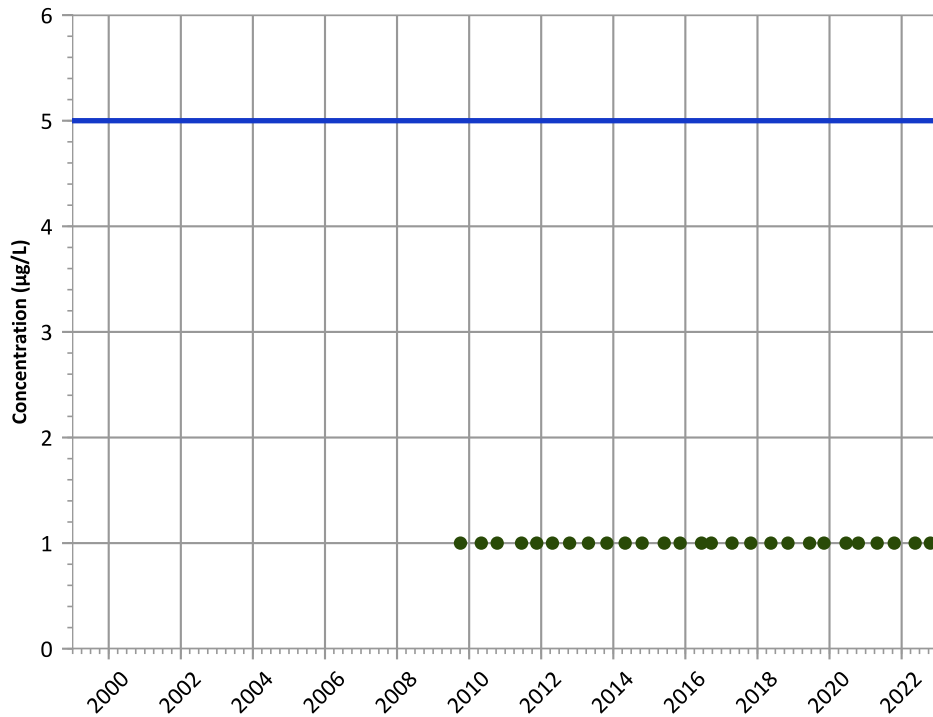
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

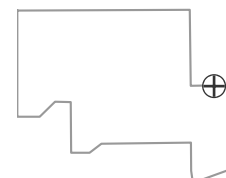
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

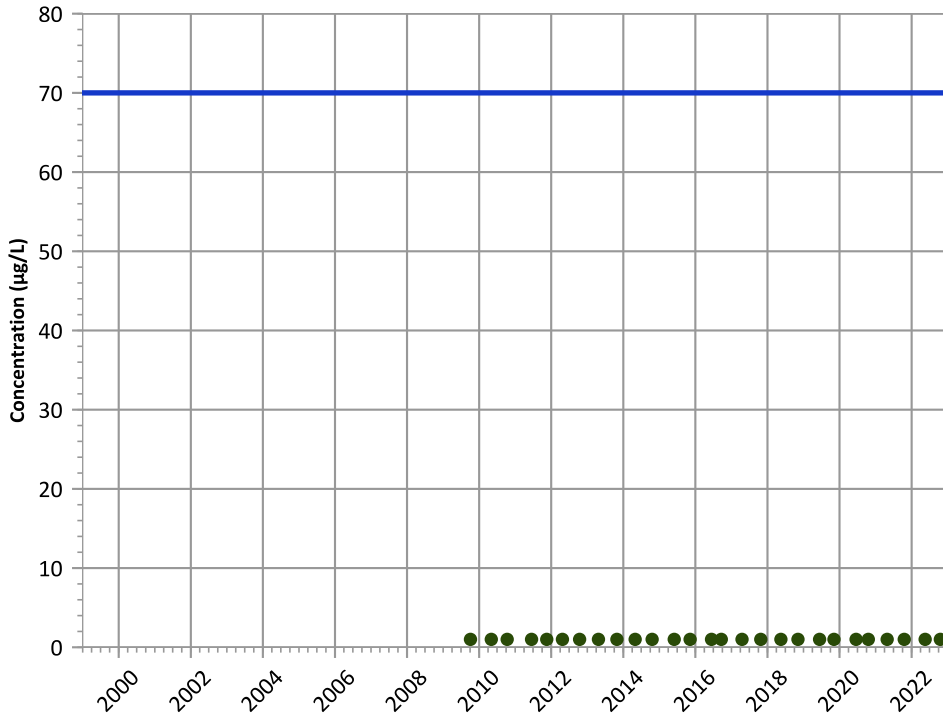
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

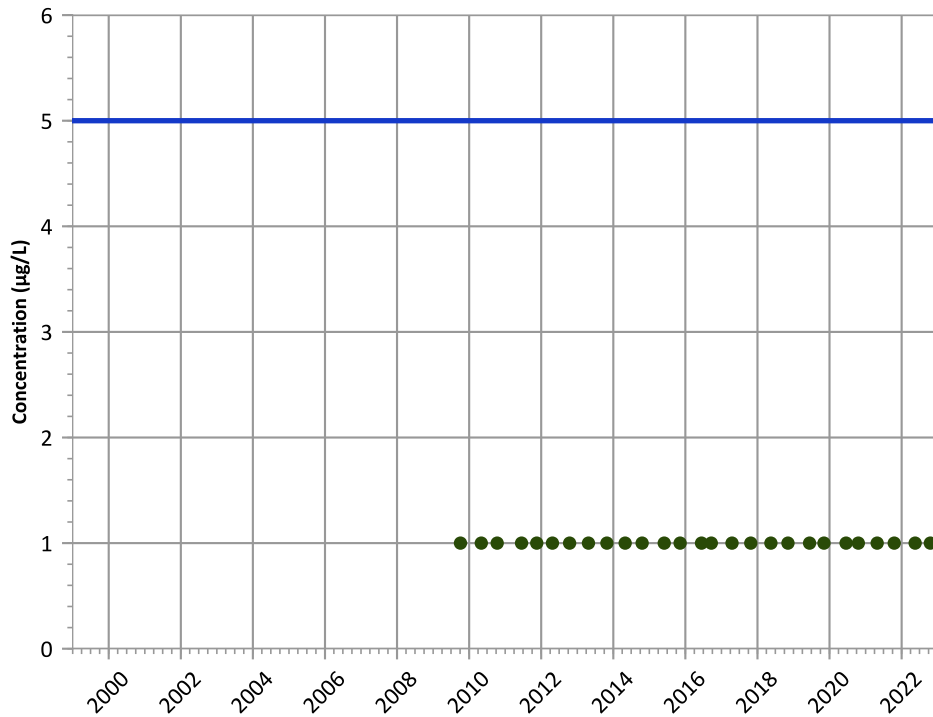
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

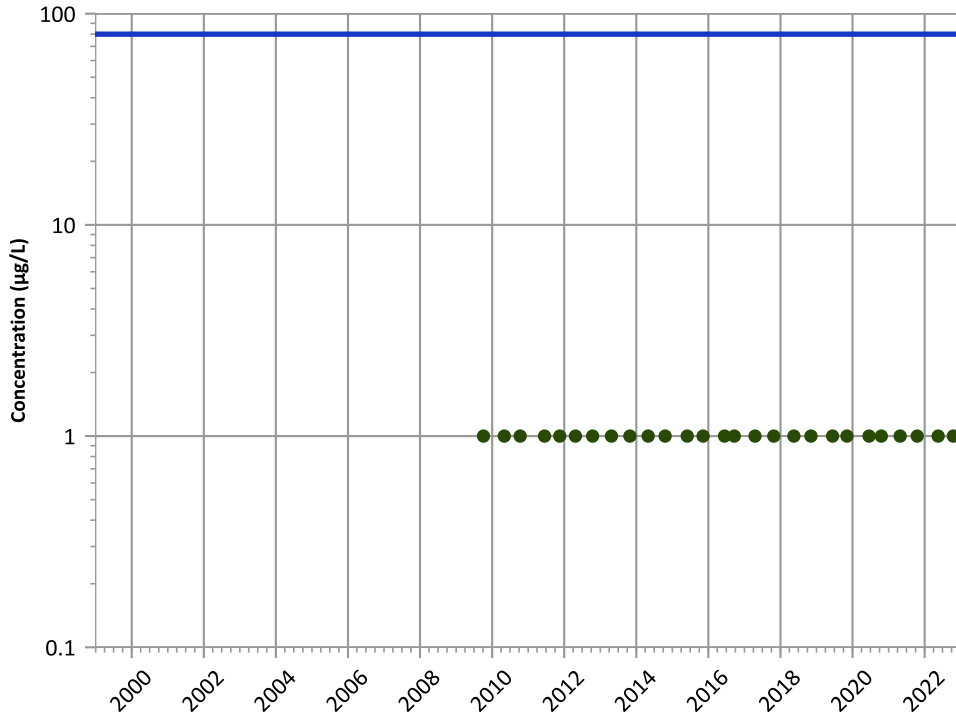
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**

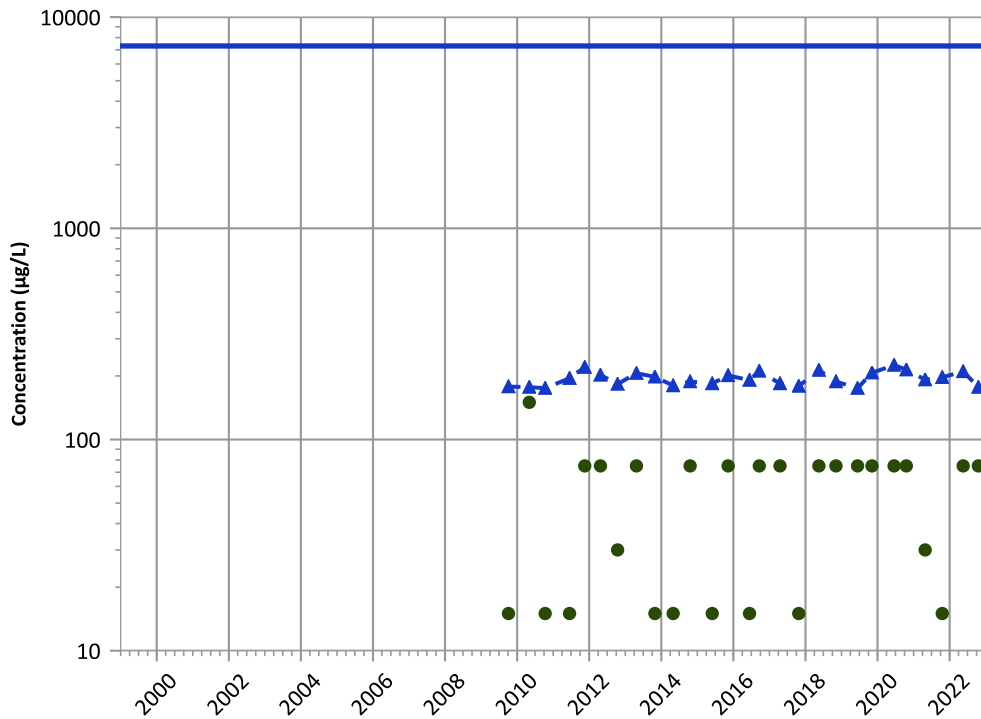
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Boron Trend**



**Concentration Trend**

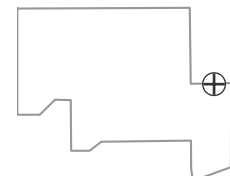
**MAROS Mann-Kendall Method**

All Data:  
Probably Increasing  
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

**Well Location**

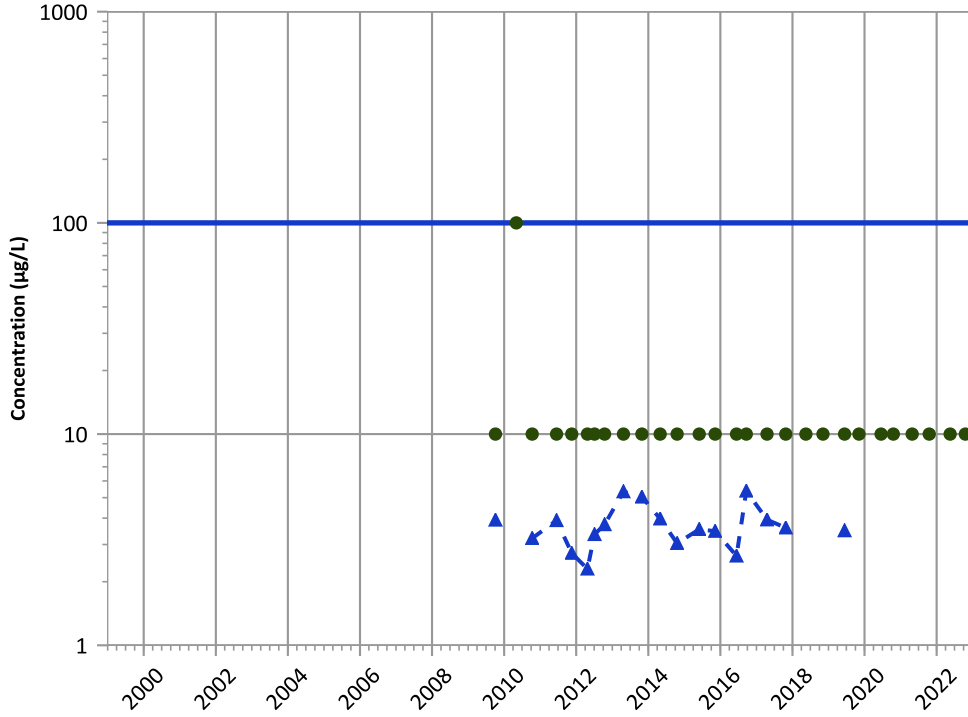


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

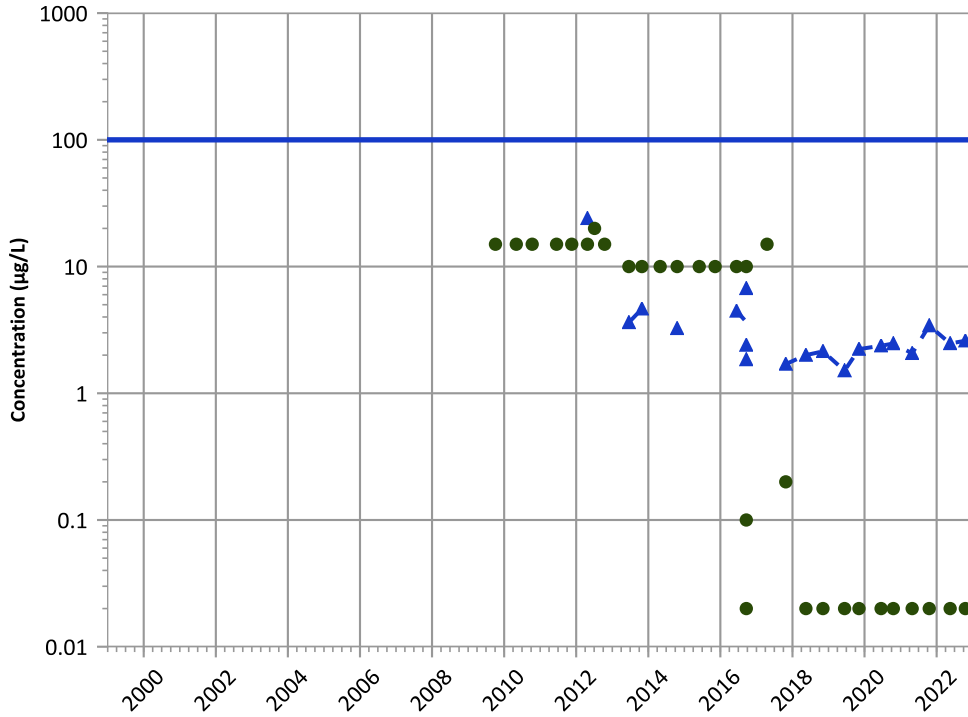
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Well Location



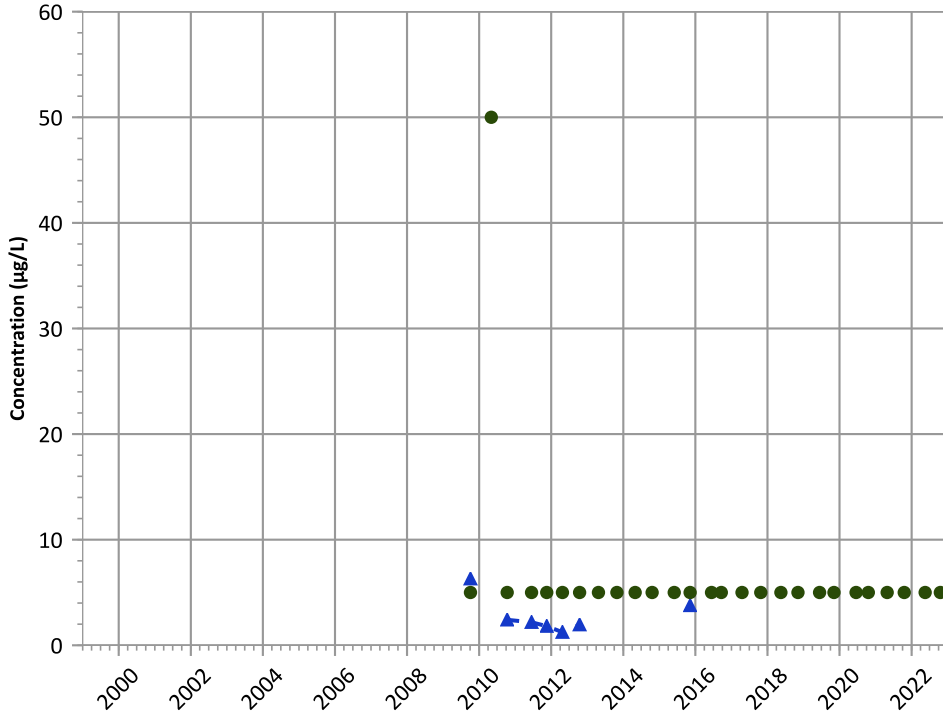
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

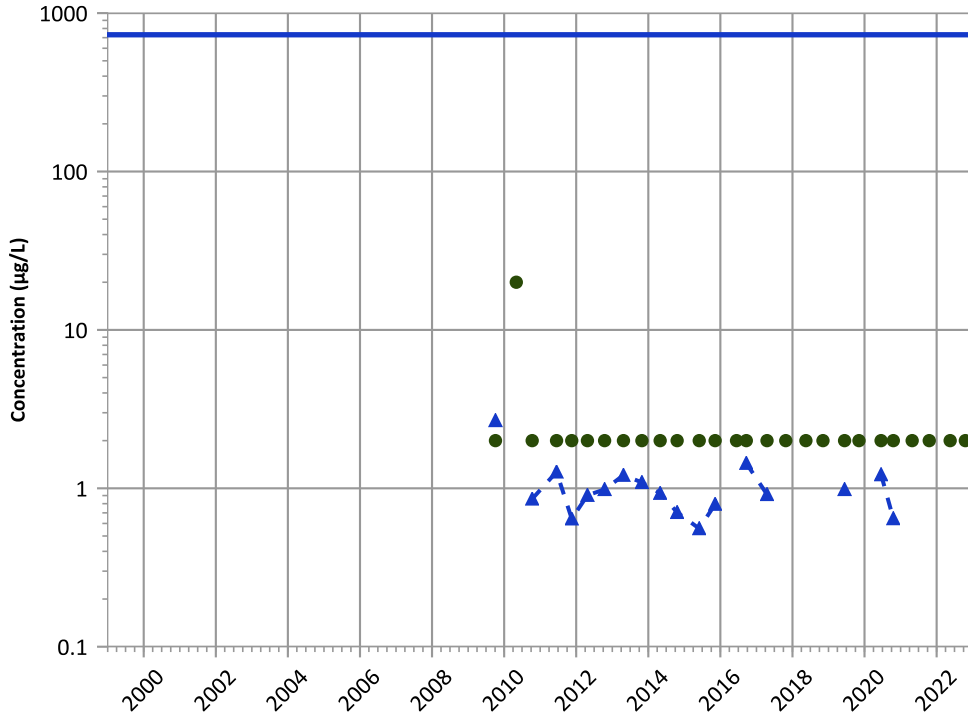
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: No Trend

Nickel Trend



Concentration Trend

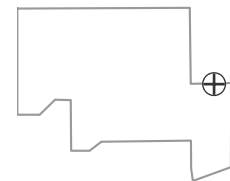
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: Stable

Well Location

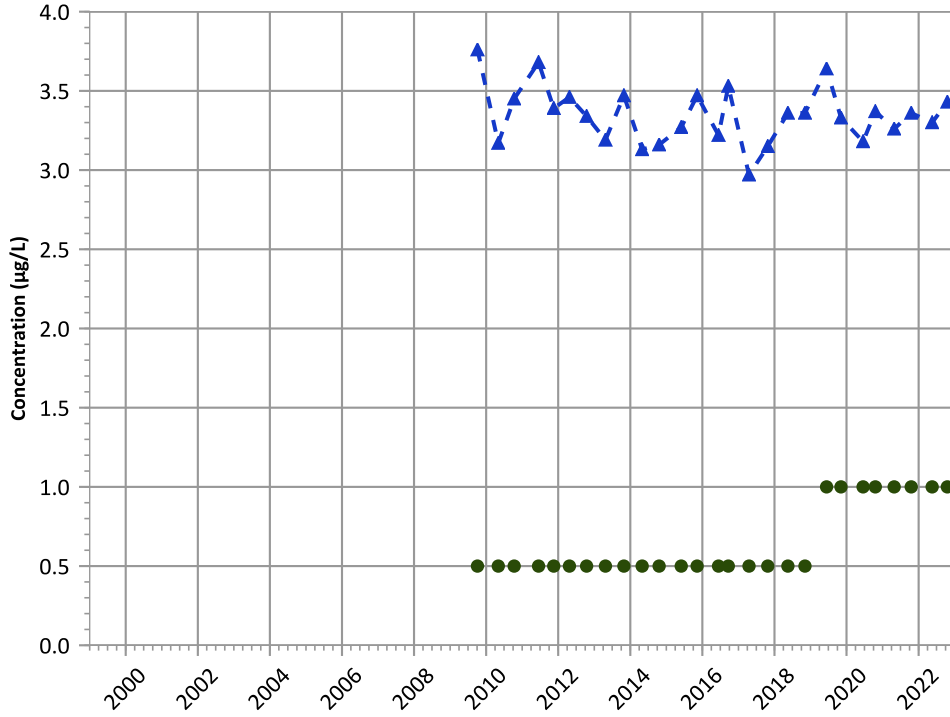


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

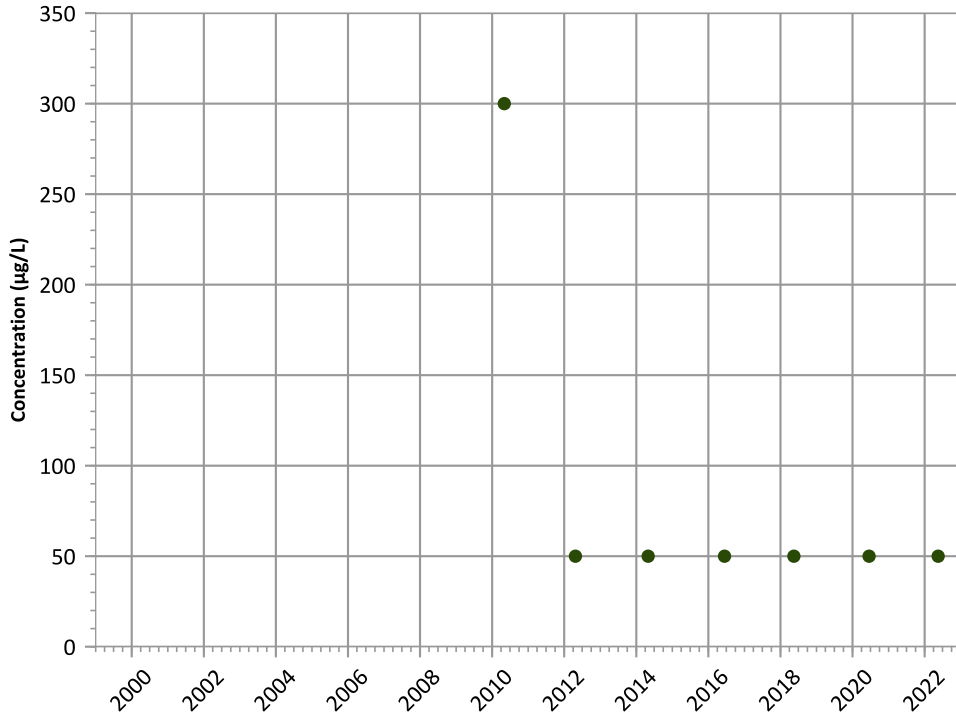
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Probably Increasing

Aluminum Trend



Concentration Trend

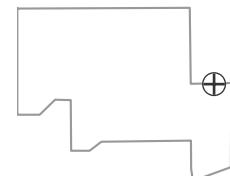
MAROS Mann-Kendall Method

All Data: All Non-Detect  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: All Non-Detect  
2020 - 2022 Data: All Non-Detect

Well Location

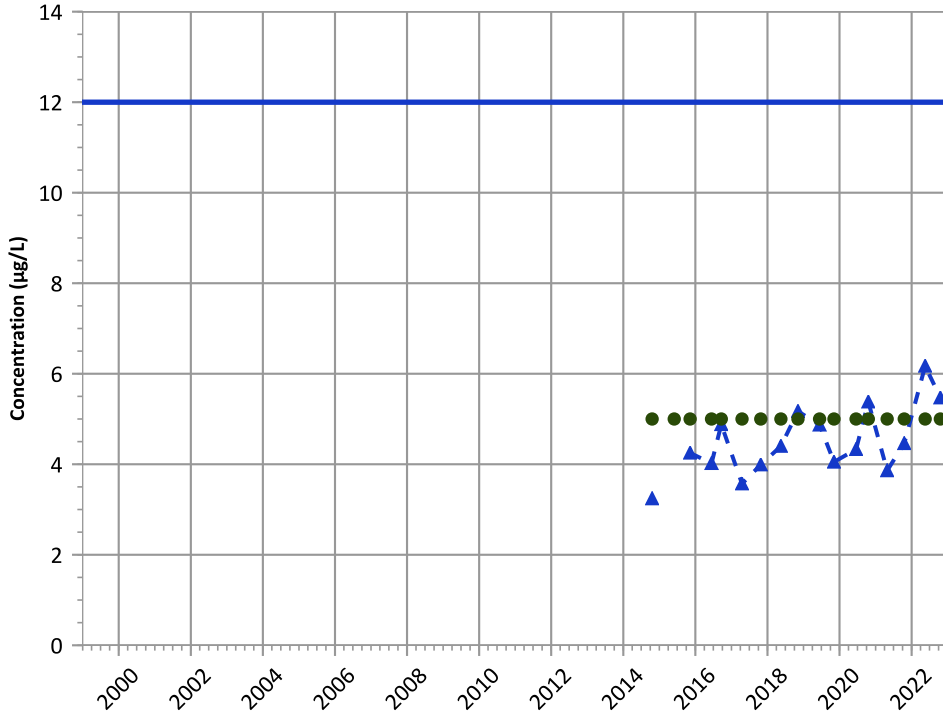


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

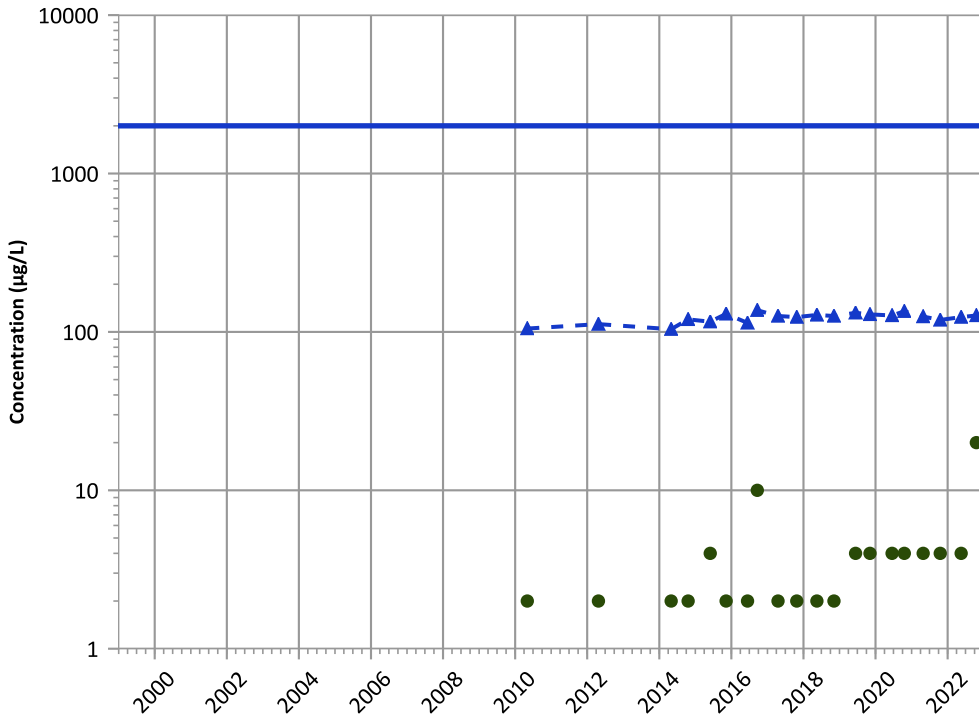
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Barium Trend



Concentration Trend

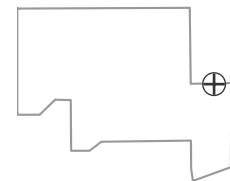
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Well Location

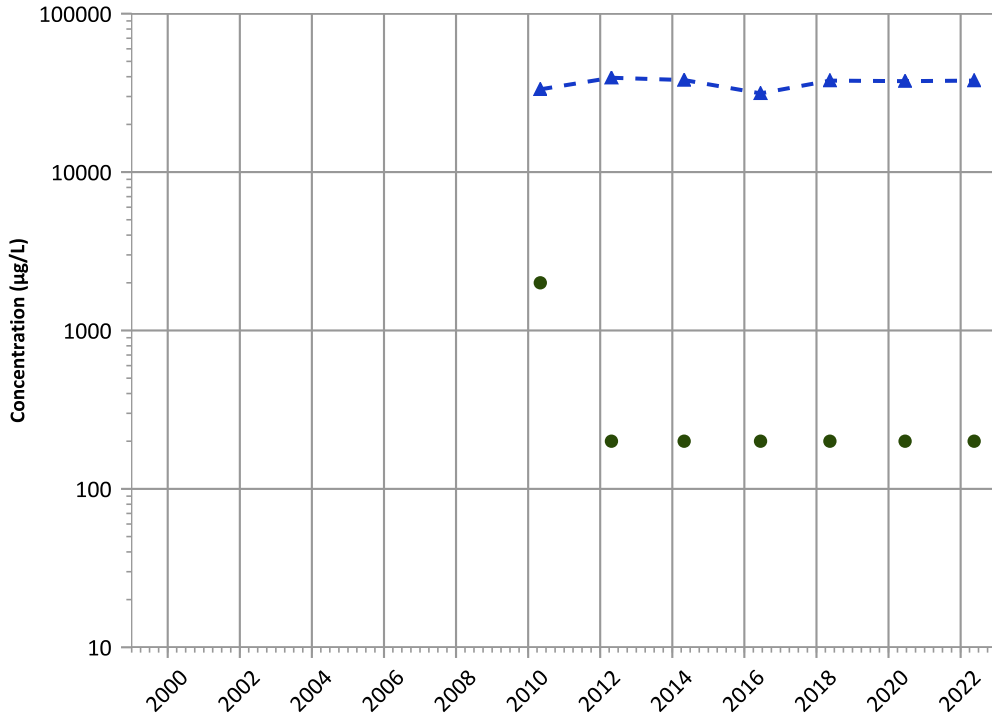


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

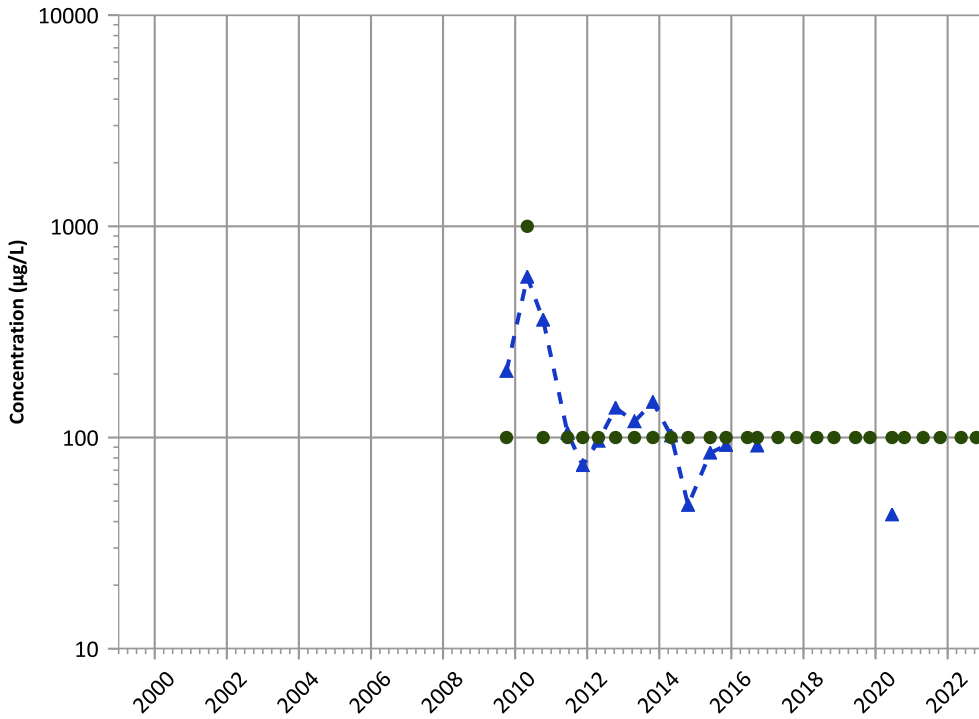
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Iron Trend



Concentration Trend

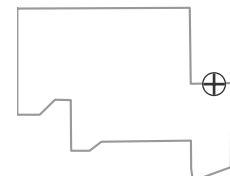
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Well Location

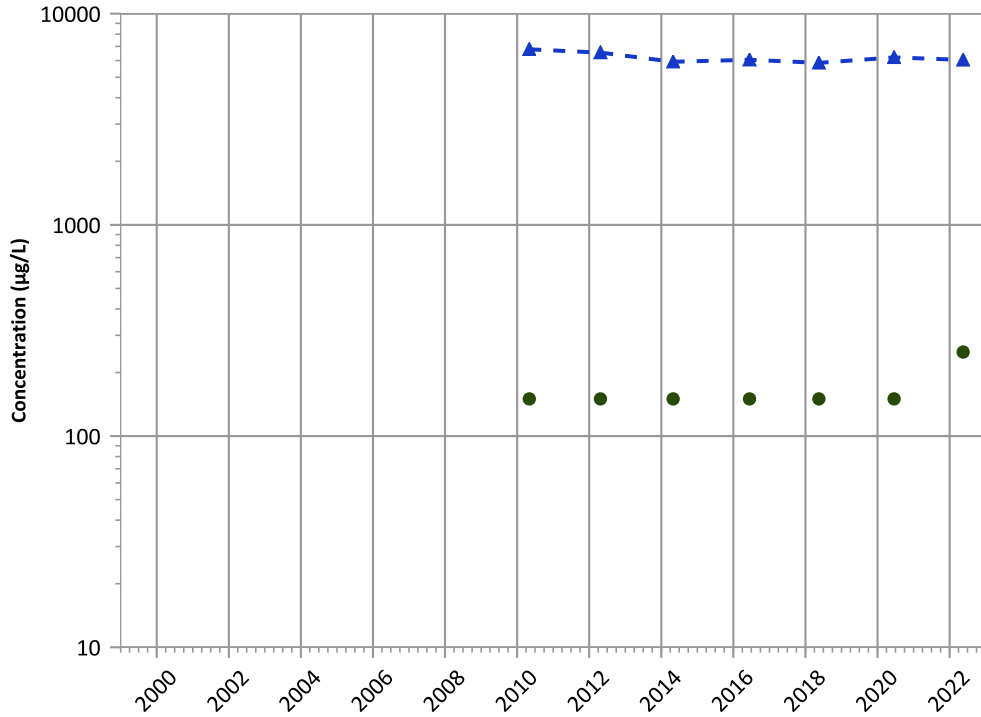


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

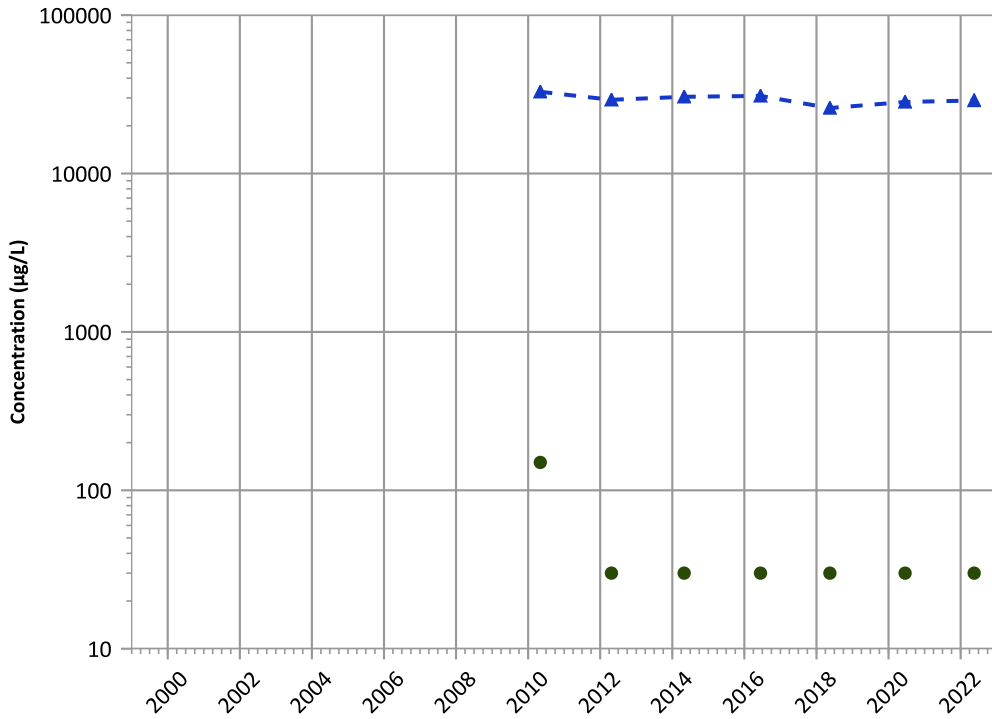
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: Increasing

Magnesium Trend



Concentration Trend

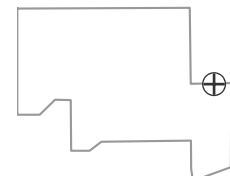
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: Stable

Well Location

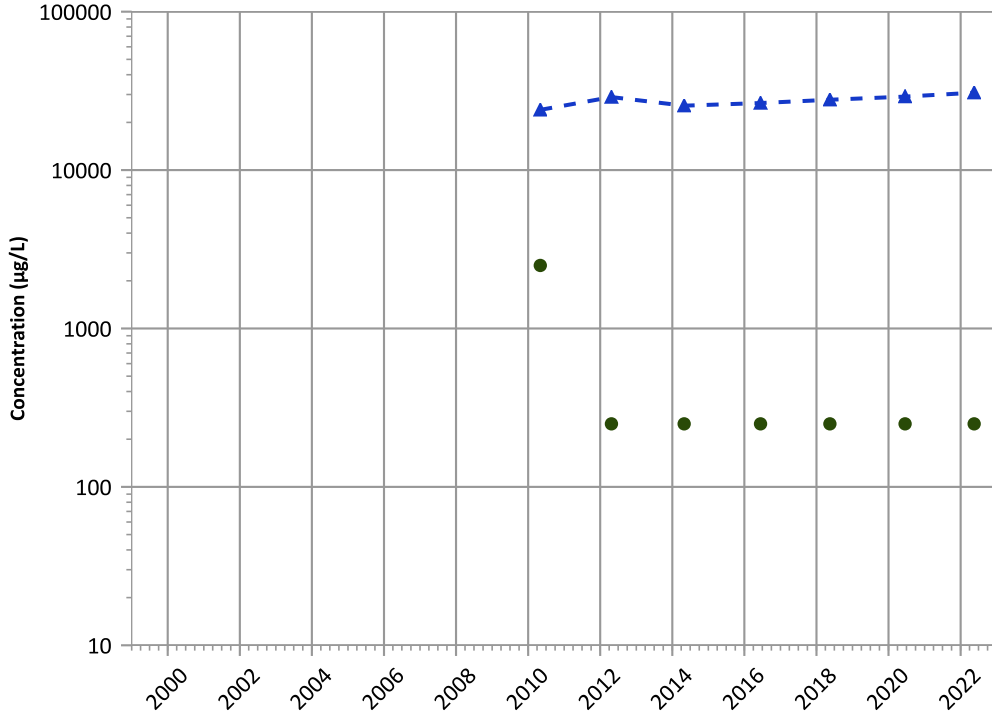


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

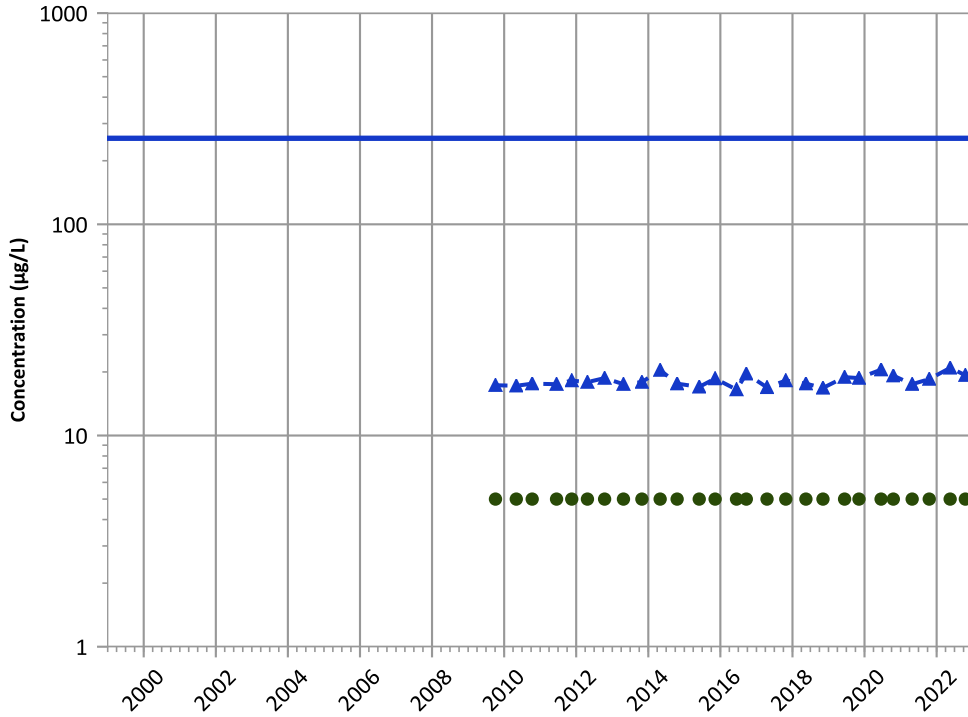
All Data:

Increasing

2020 - 2022 Data:

Increasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Increasing

2020 - 2022 Data:

No Trend

MAROS Linear Regression Method

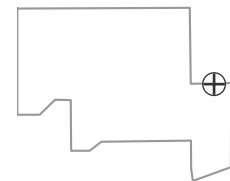
All Data:

Increasing

2020 - 2022 Data:

No Trend

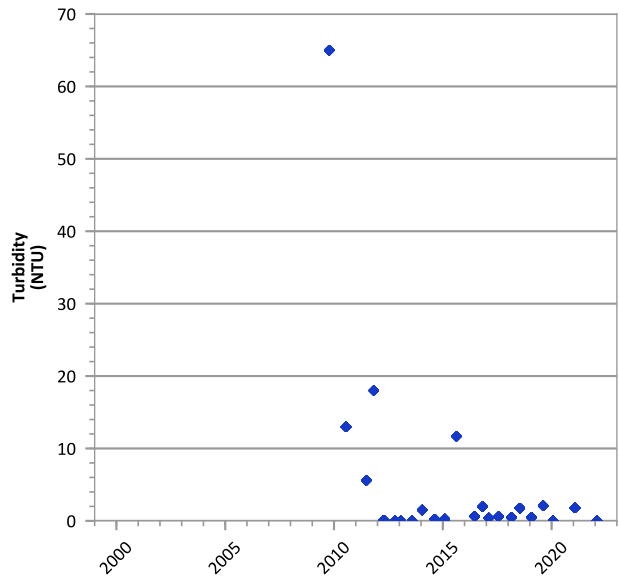
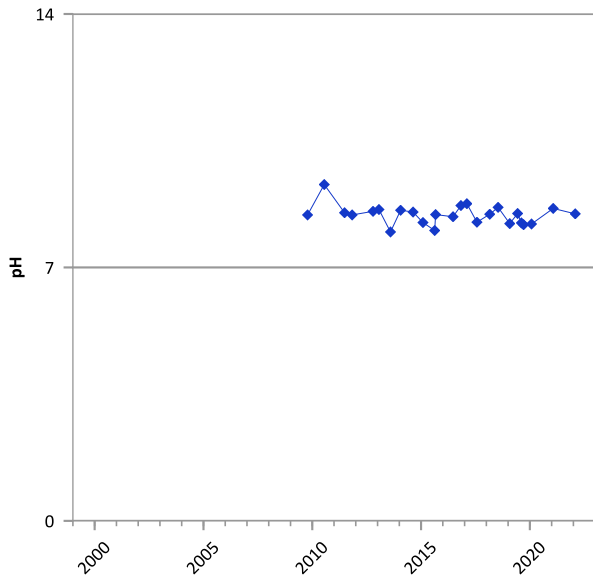
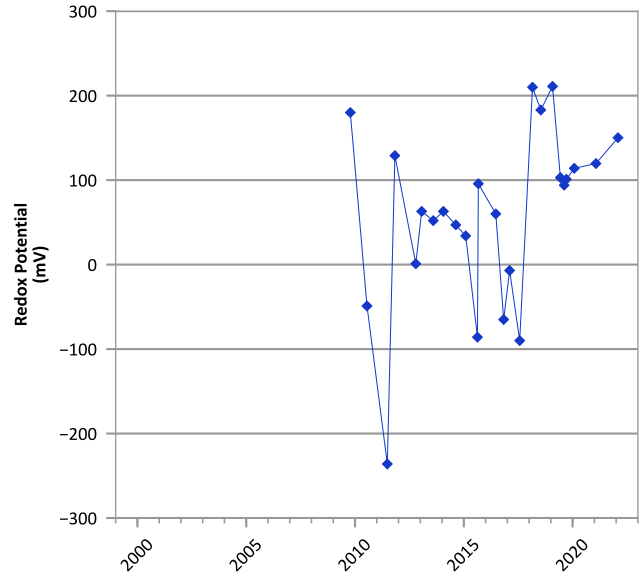
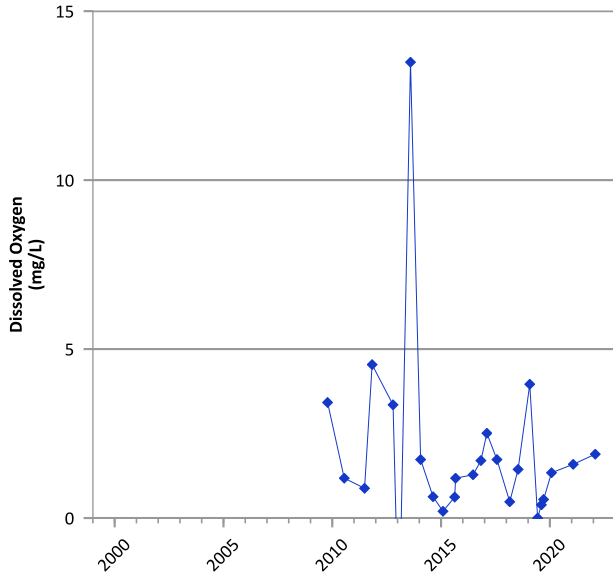
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/05/2009 to 10/19/2022  
Analysis Date: 04/11/2023

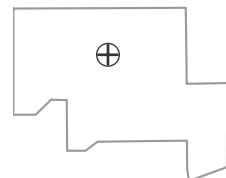
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



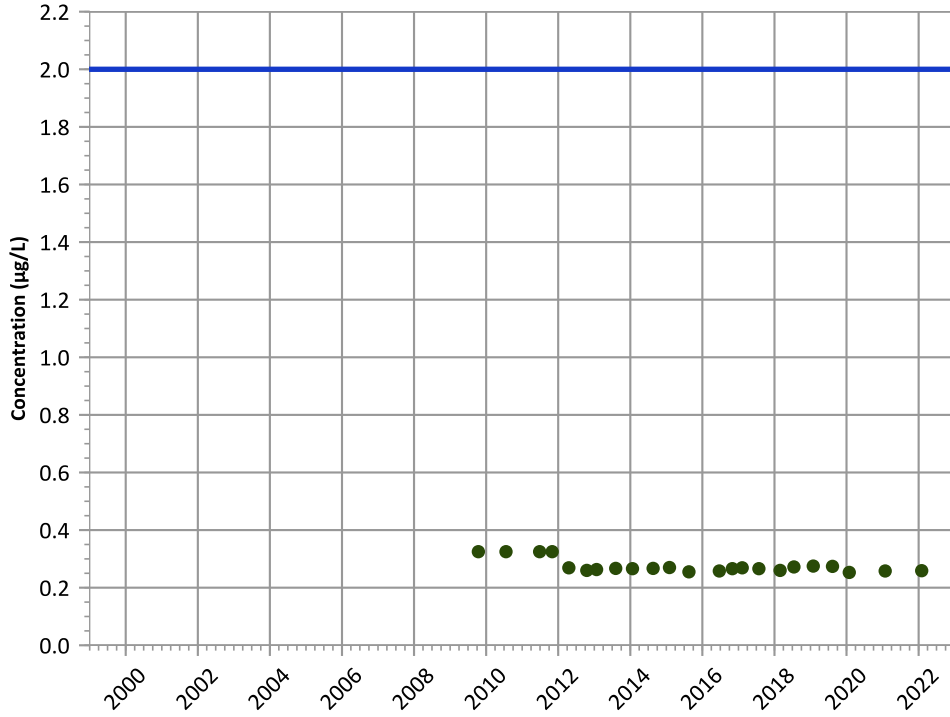
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/14/2009 to 02/01/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

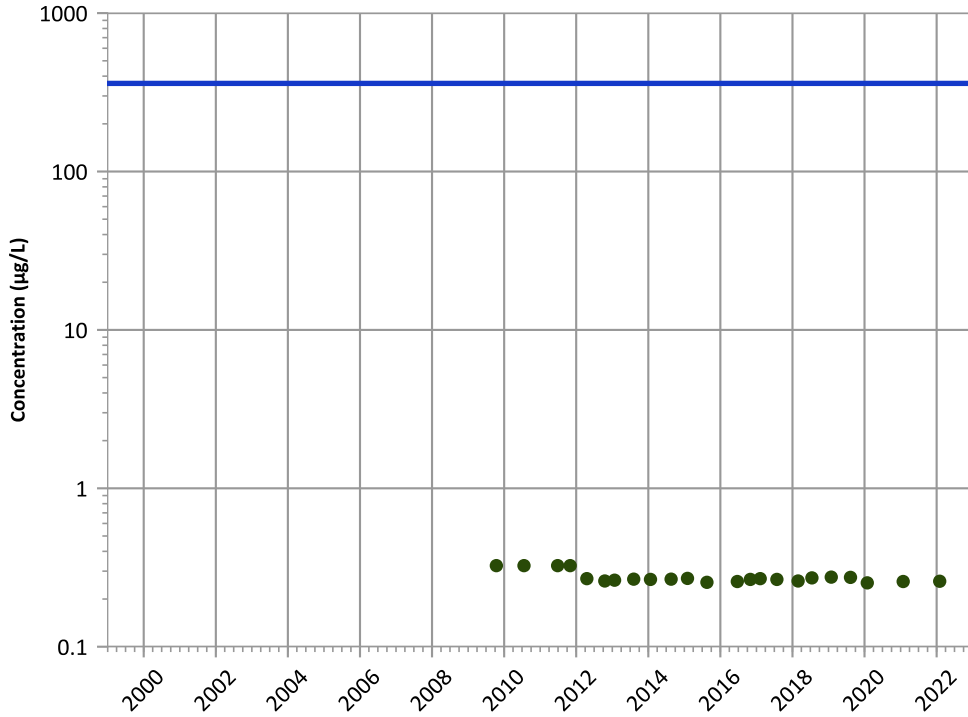
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

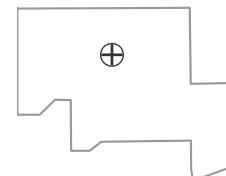
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

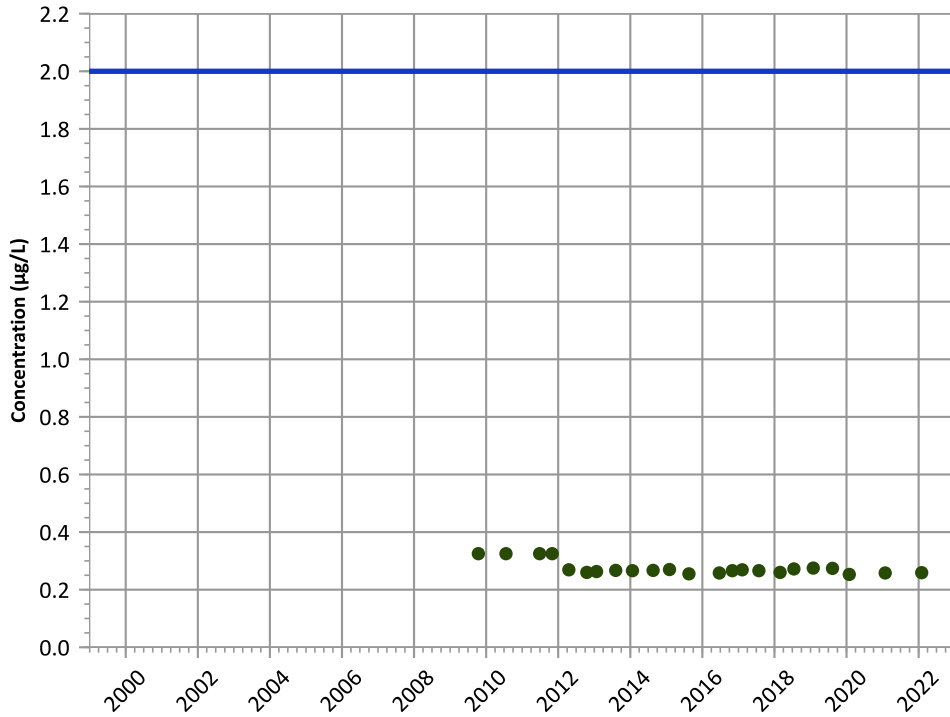


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

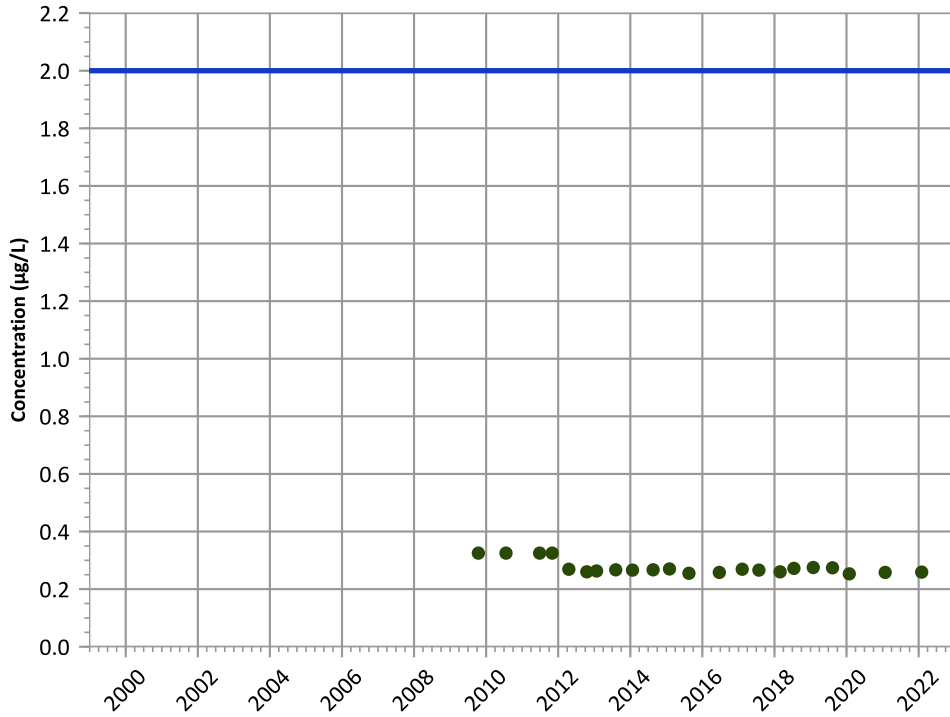
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

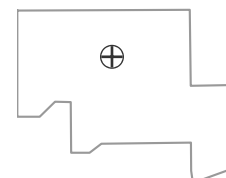
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

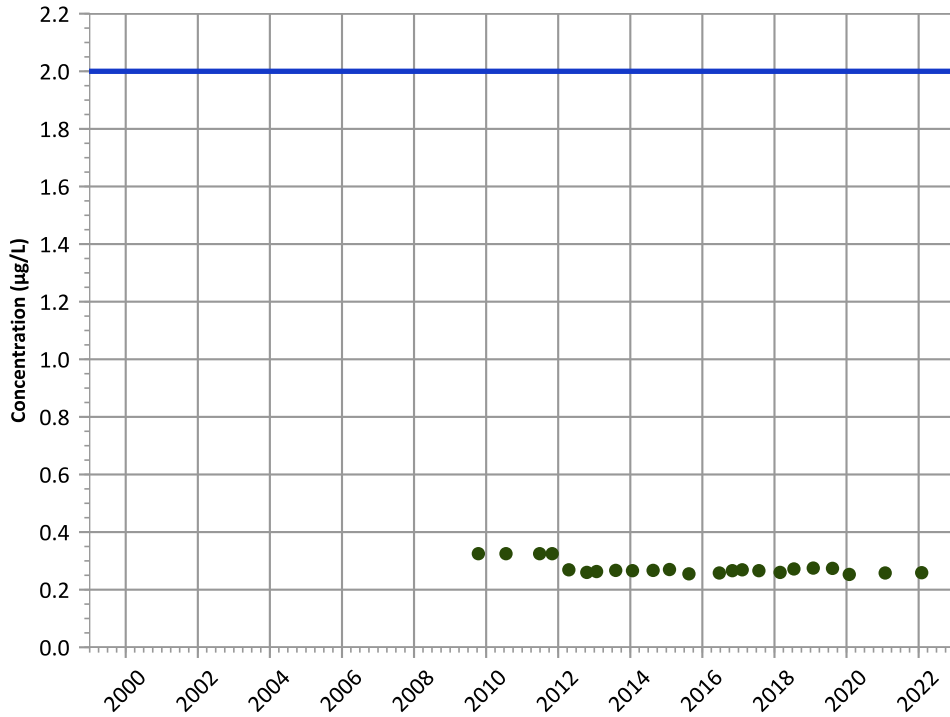
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend**



**Concentration Trend**

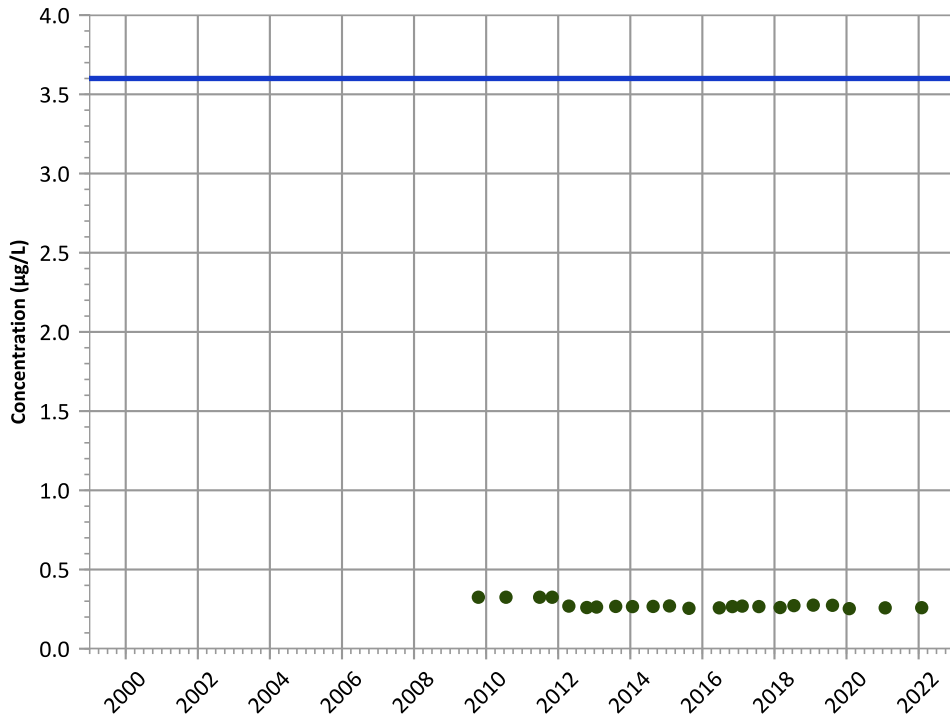
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**TNT (2,4,6-Trinitrotoluene) Trend**



**Concentration Trend**

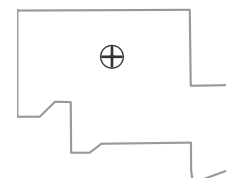
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

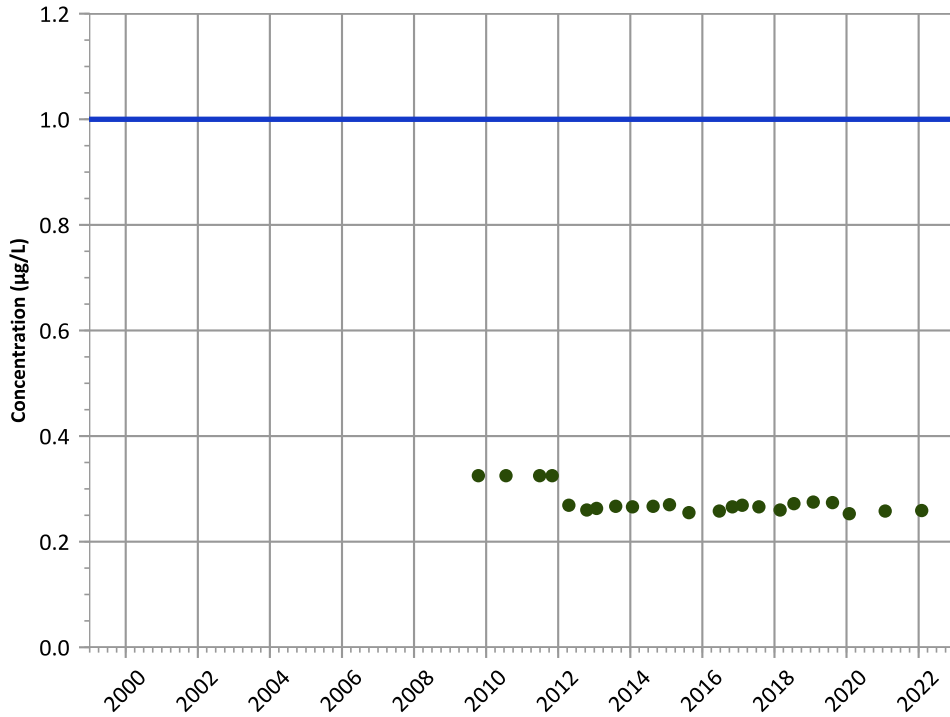
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

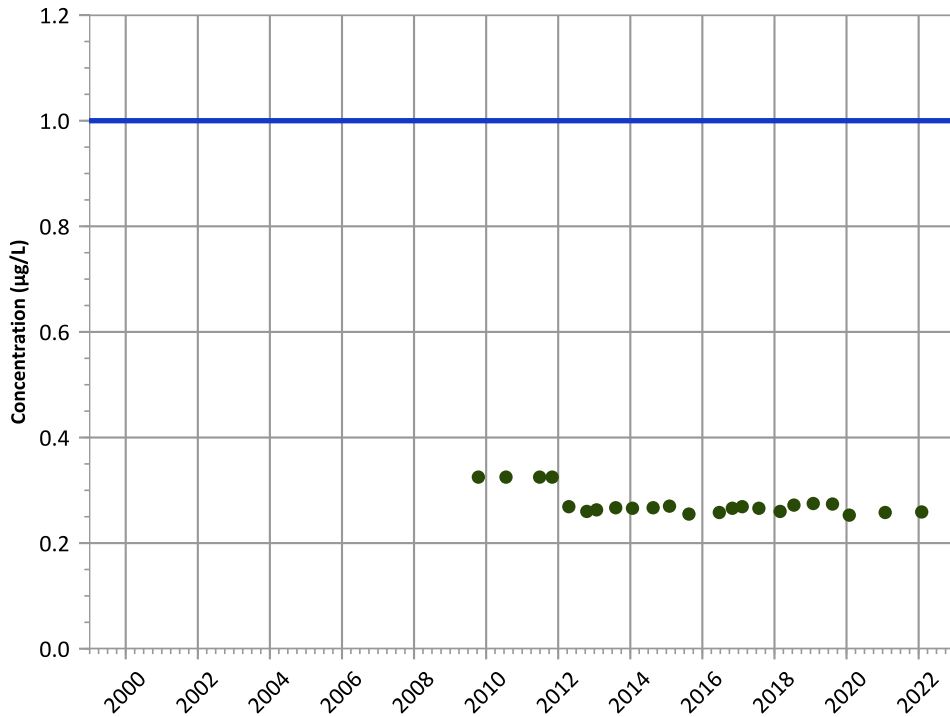
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

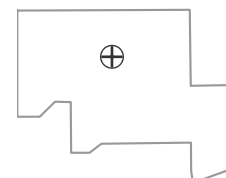
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

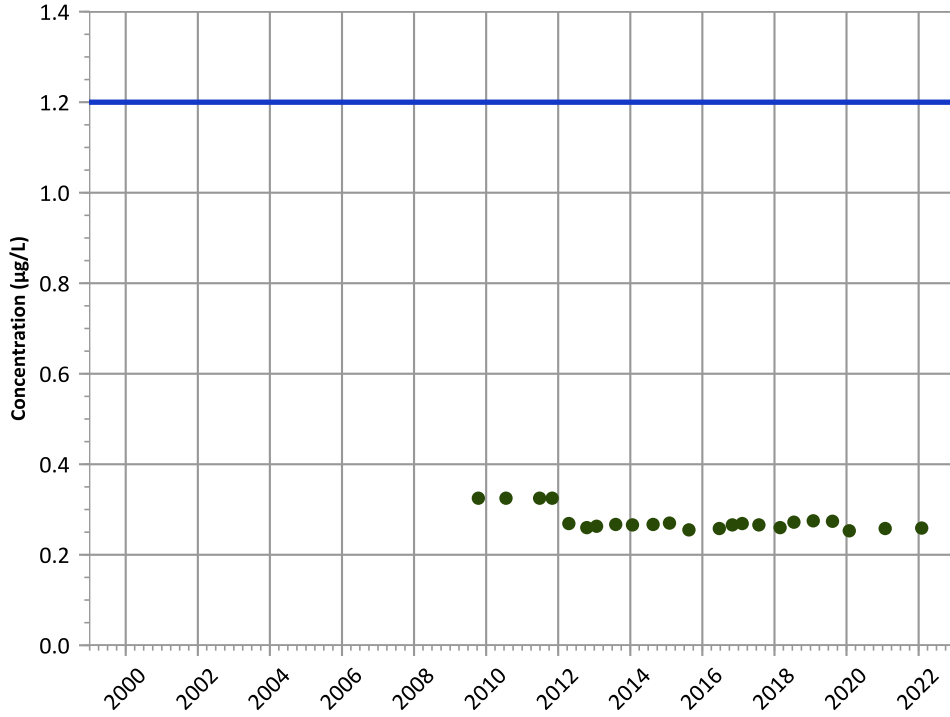


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

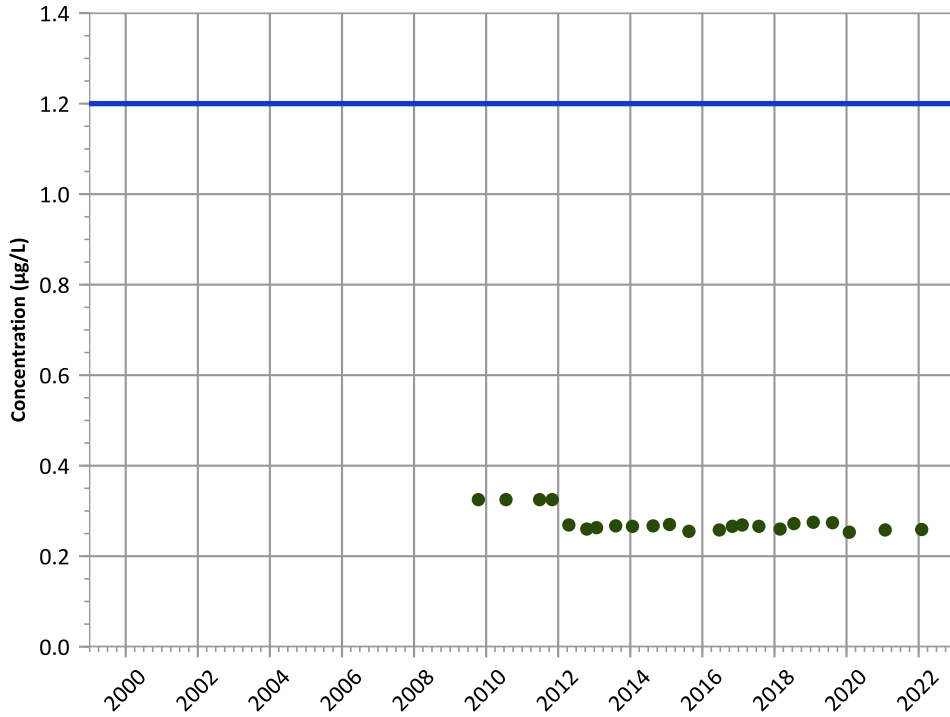
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

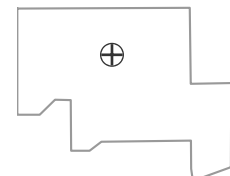
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

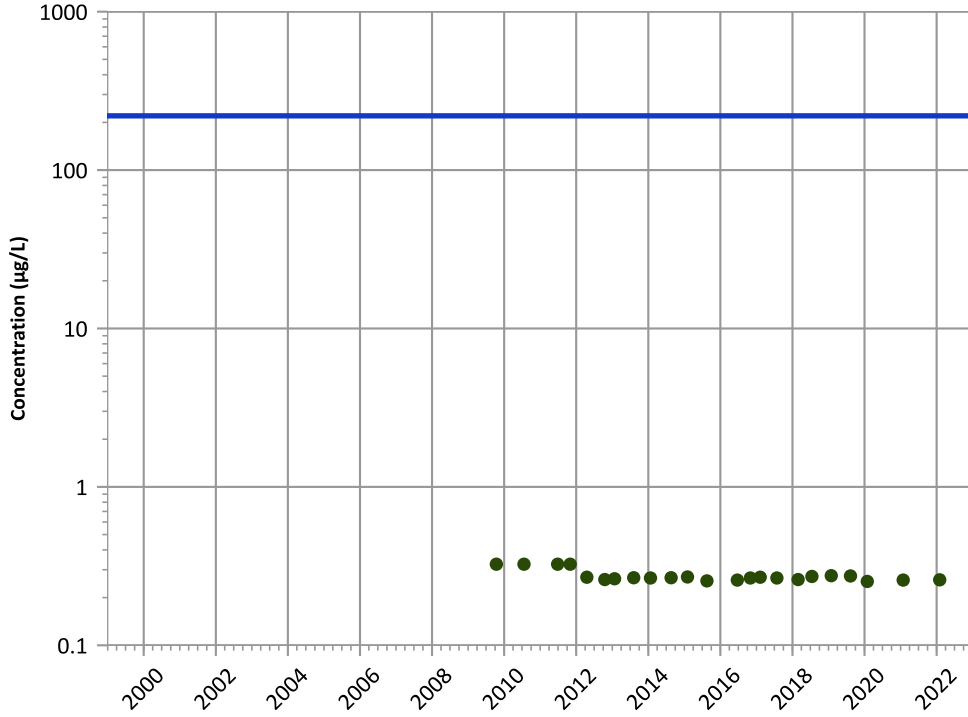


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

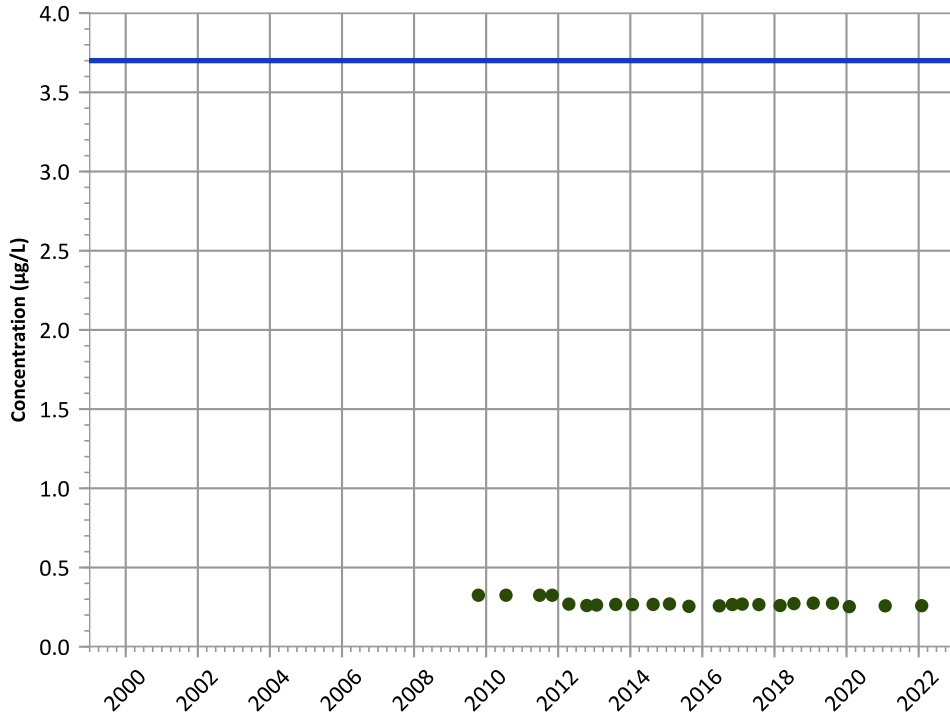
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

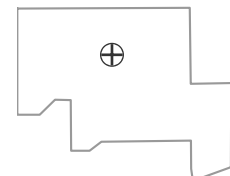
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

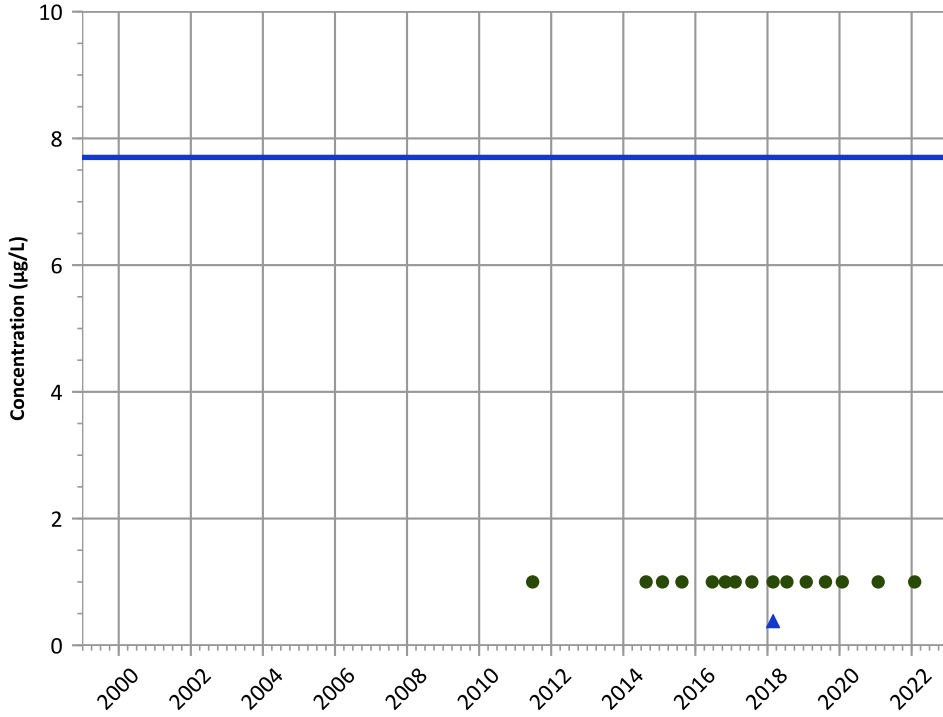


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

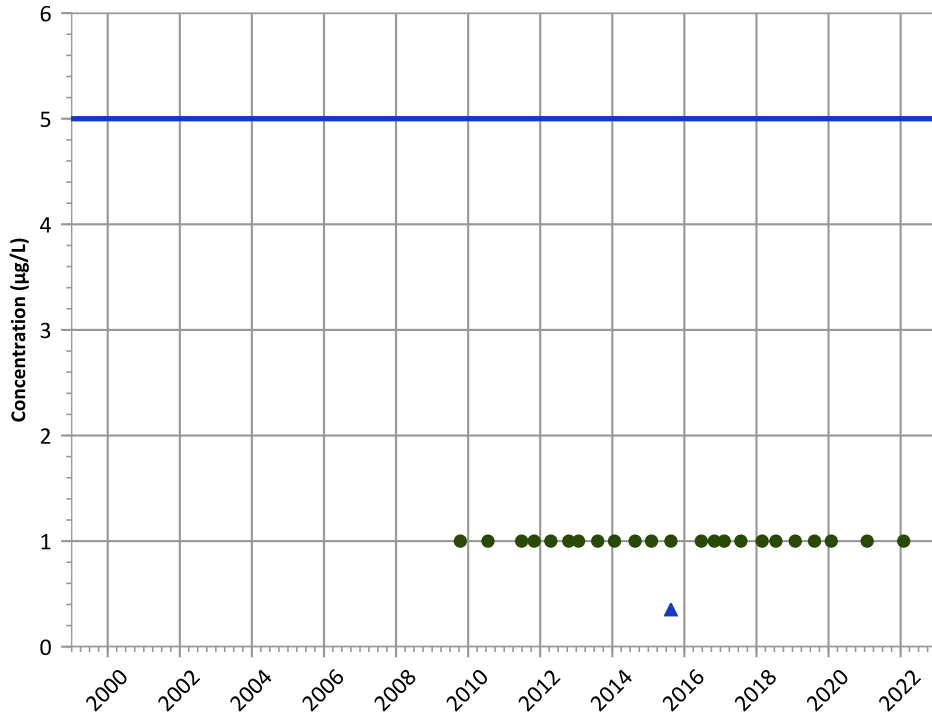
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

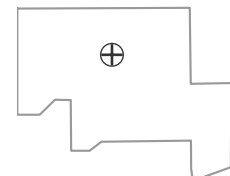
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Well Location

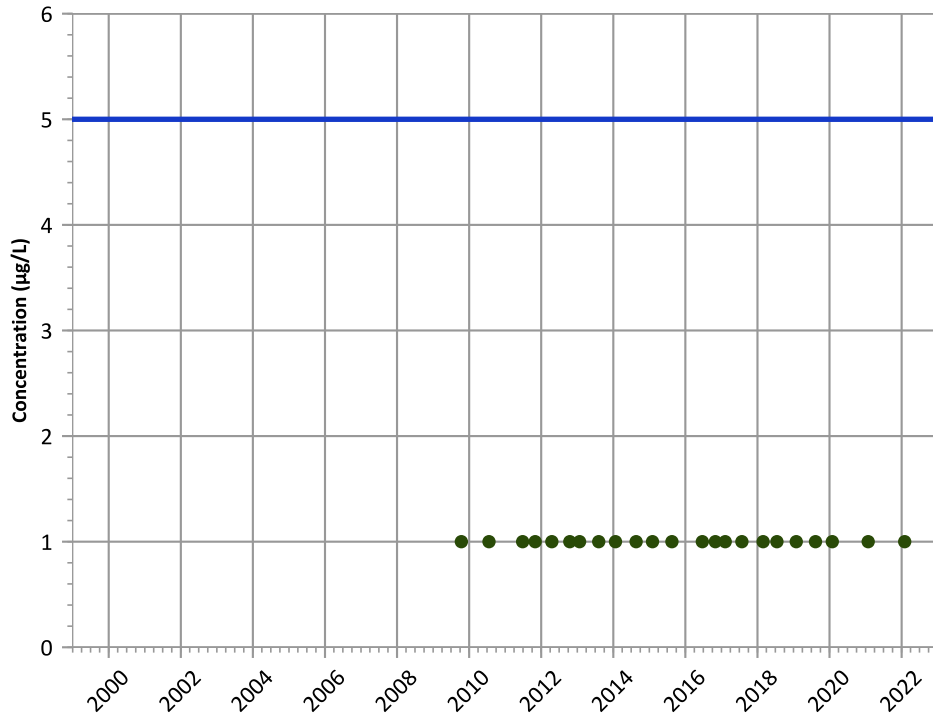


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

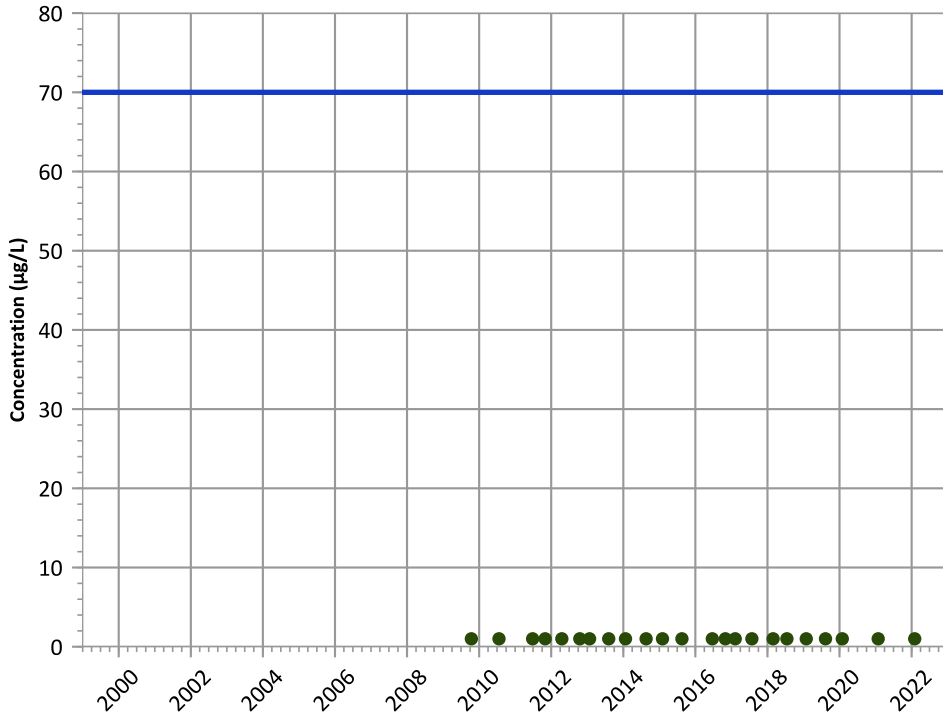
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

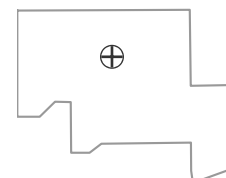
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

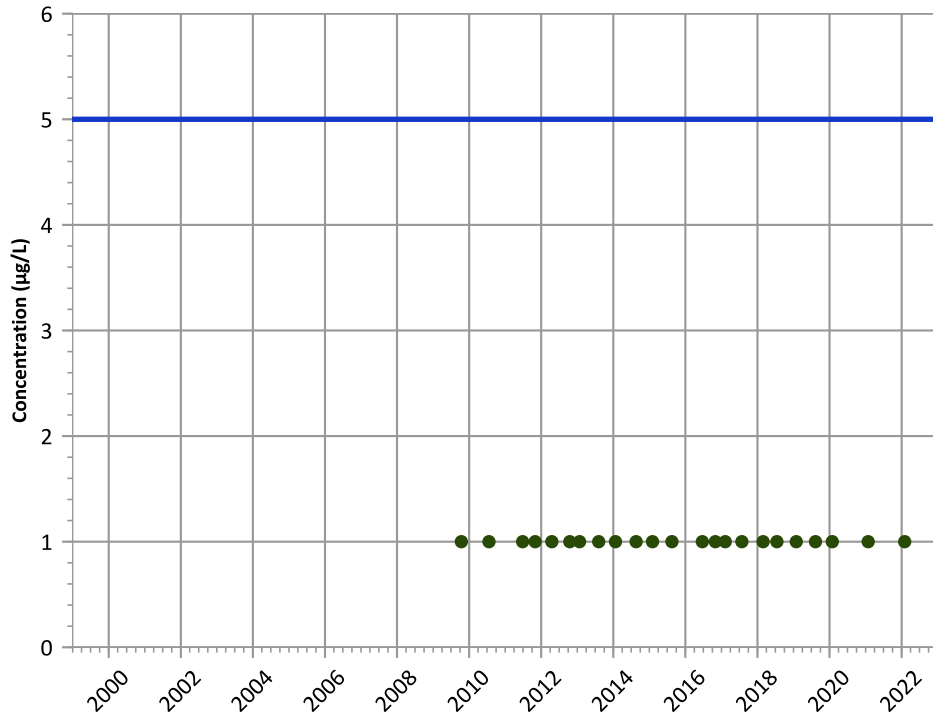
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

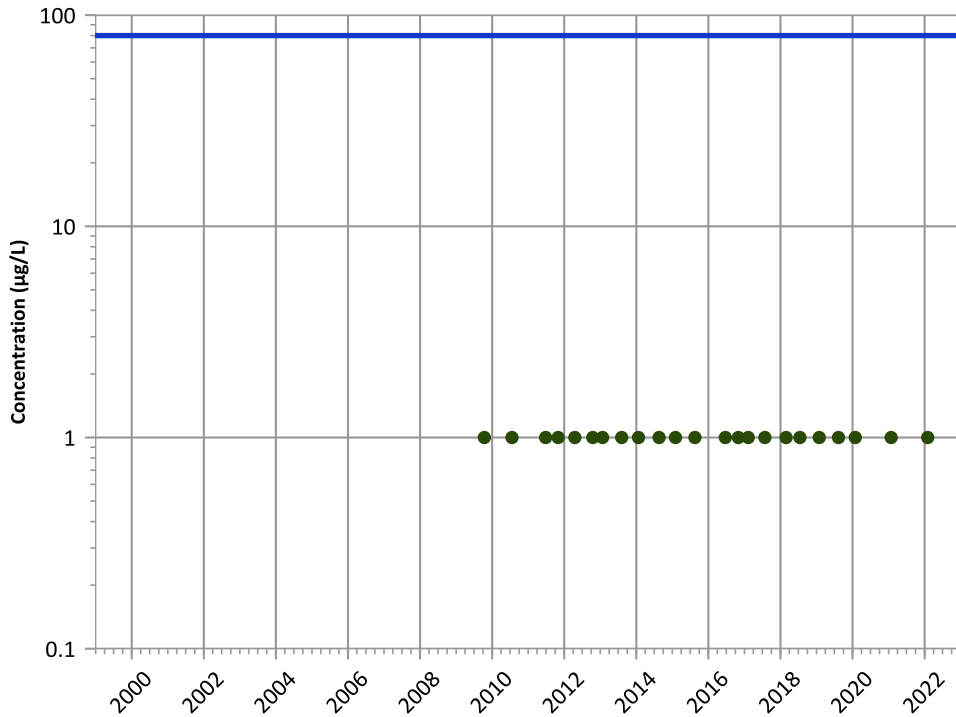
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

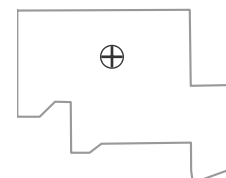
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

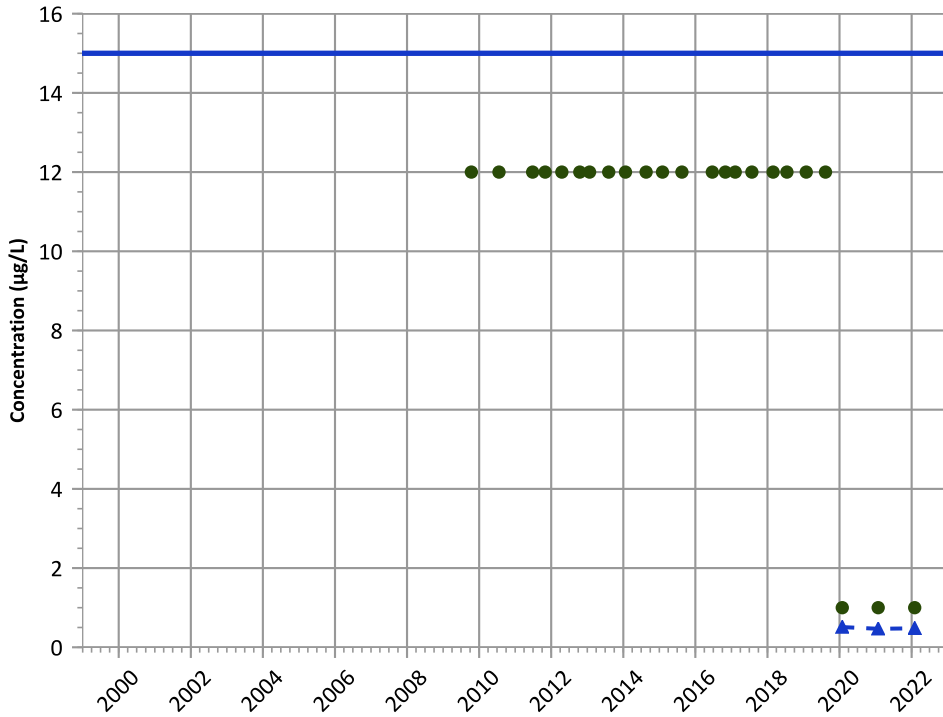


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard



**PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

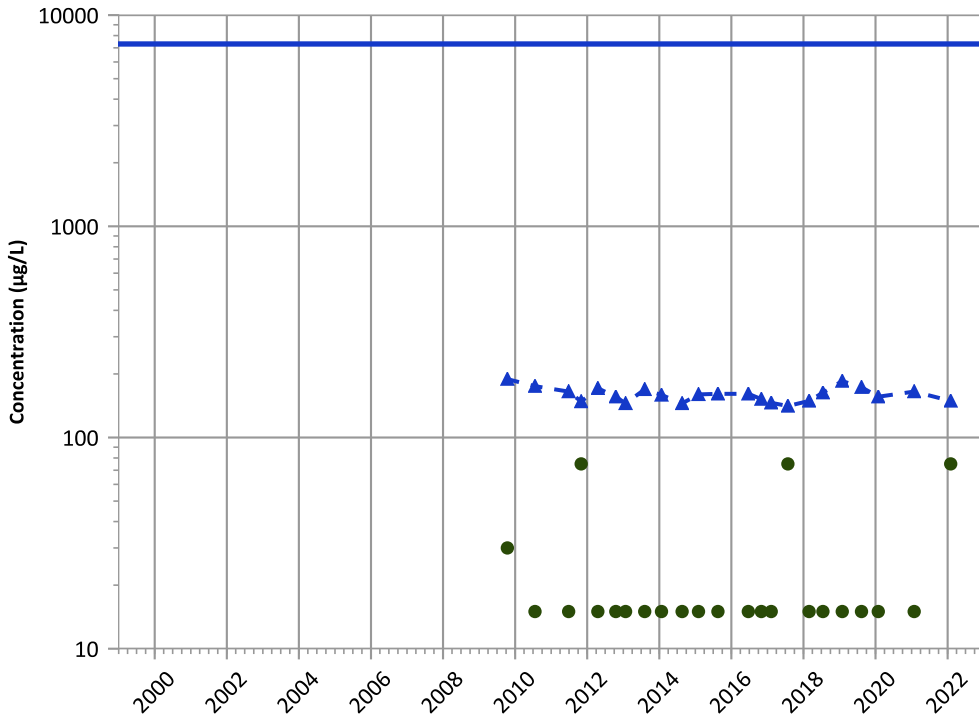
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Boron Trend**



**Concentration Trend**

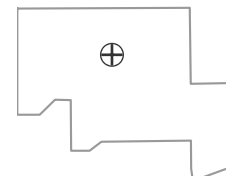
**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**

All Data:  
Stable  
2020 - 2022 Data:  
Stable

**Well Location**

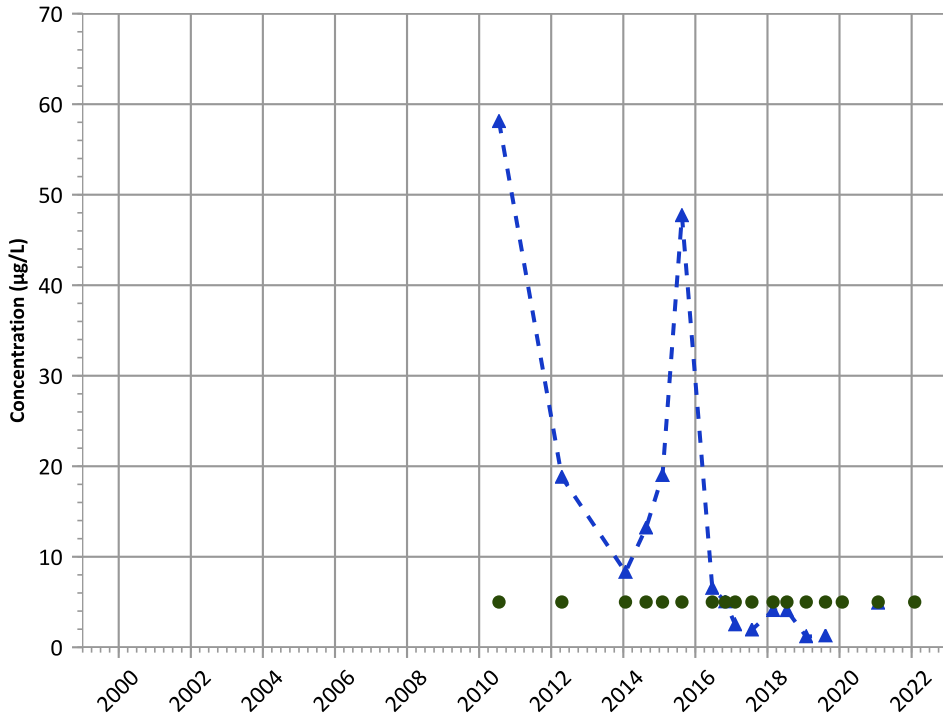


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

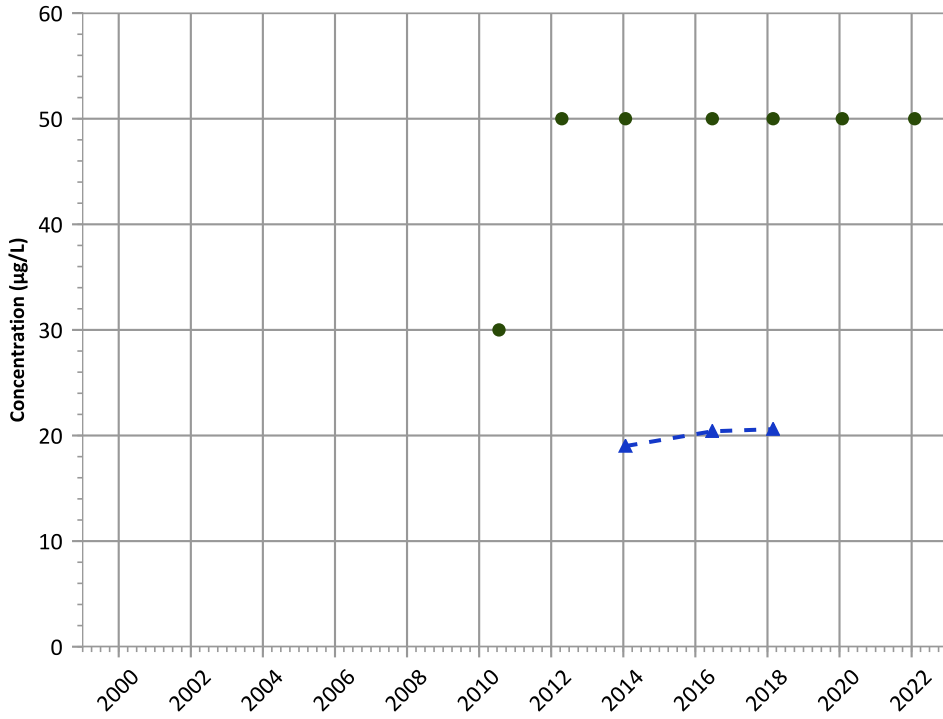
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: N/A (<4 Detections in Dataset)  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

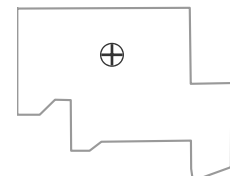
MAROS Linear Regression Method

All Data: N/A (<4 Detections in Dataset)  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

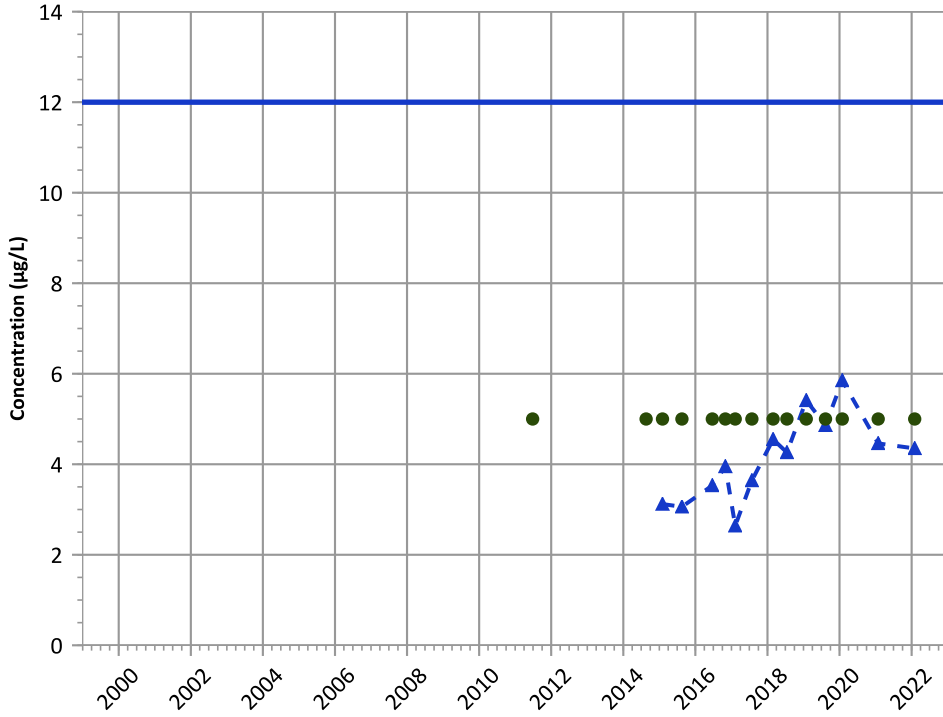
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

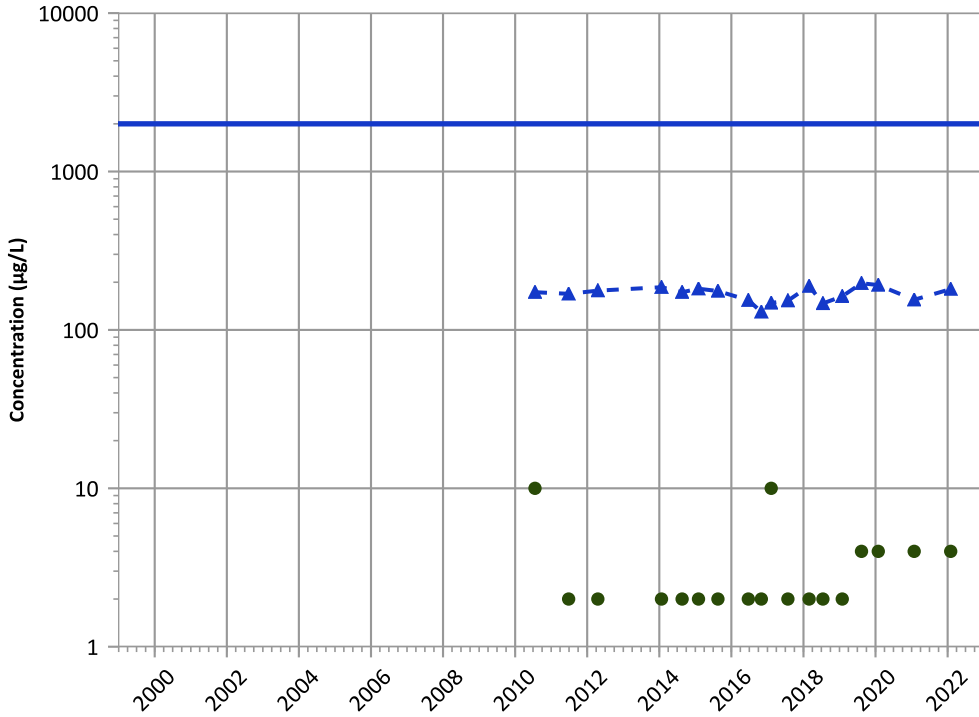
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

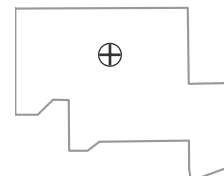
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

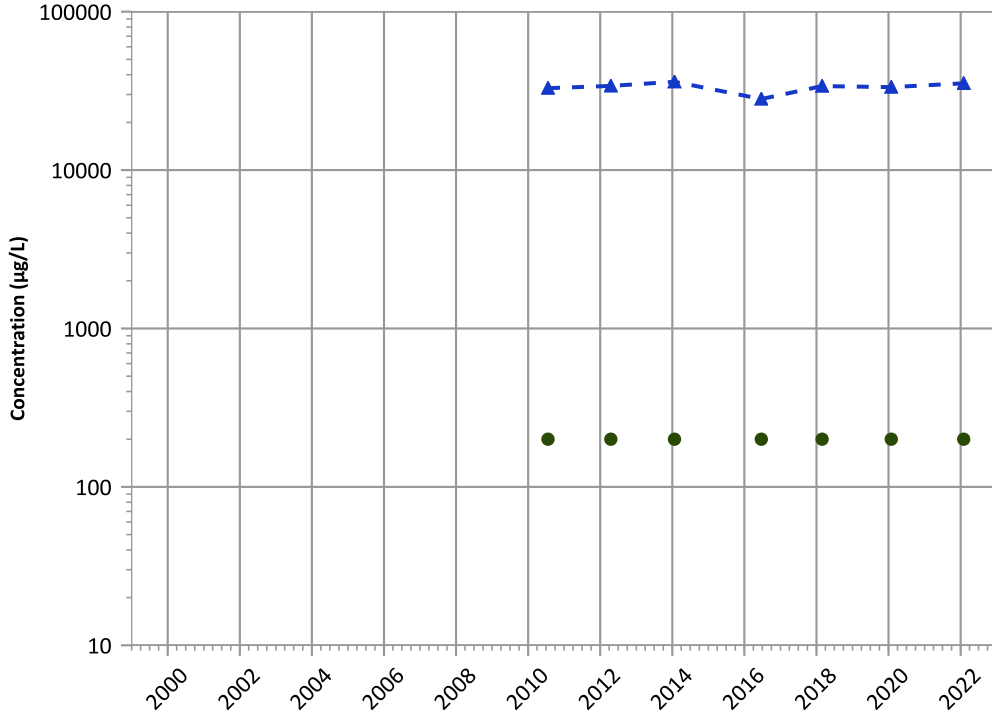
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

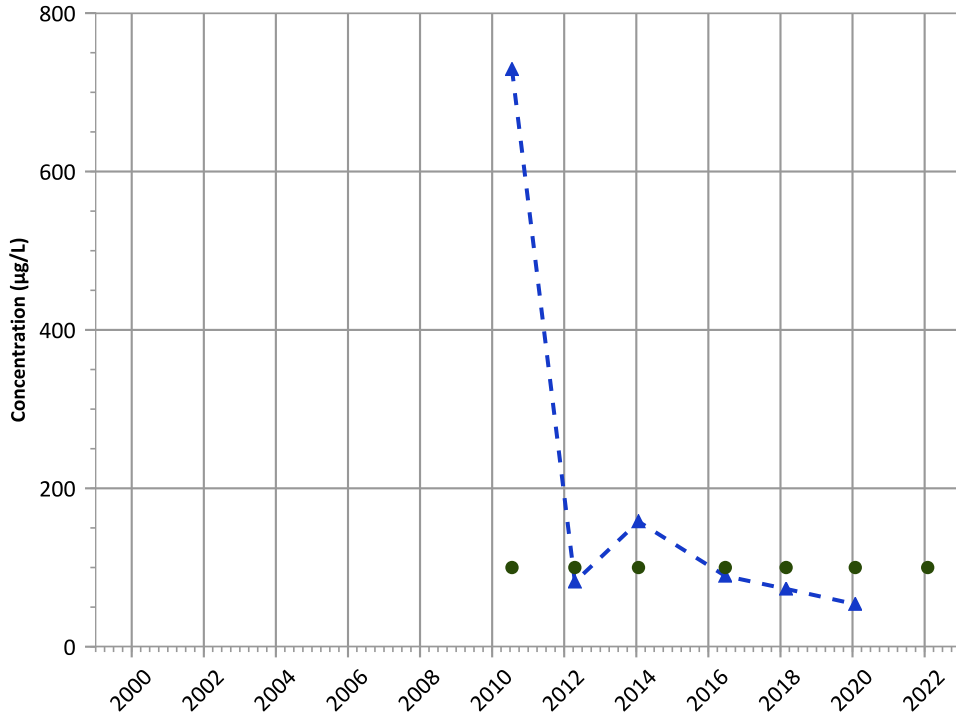
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Probably Increasing

Iron Trend



Concentration Trend

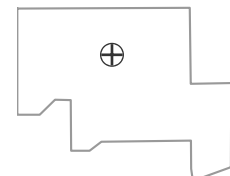
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

Well Location

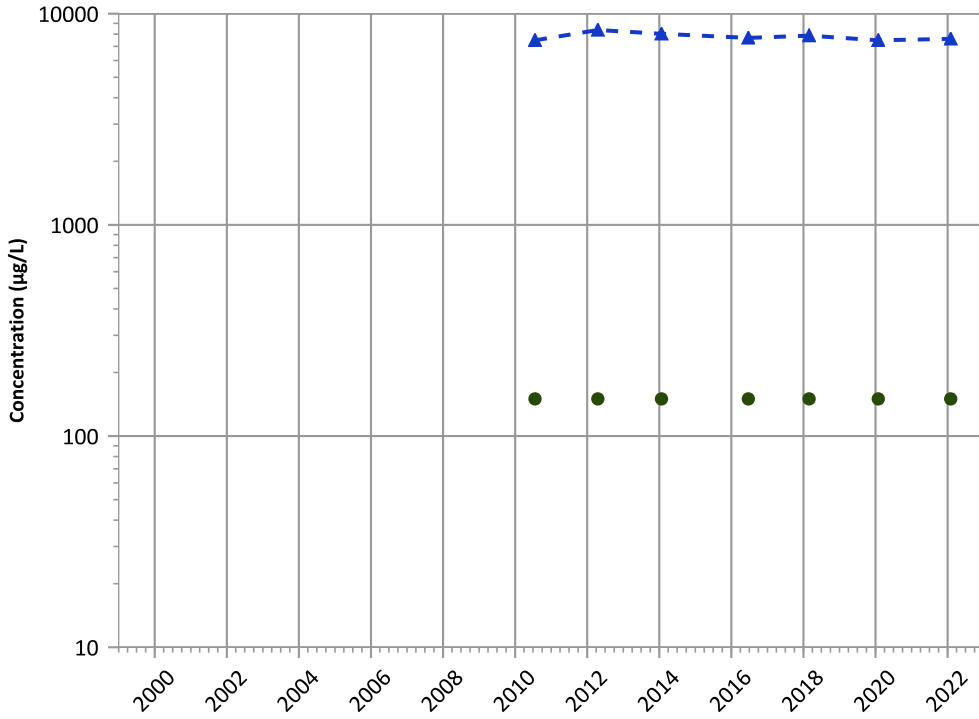


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

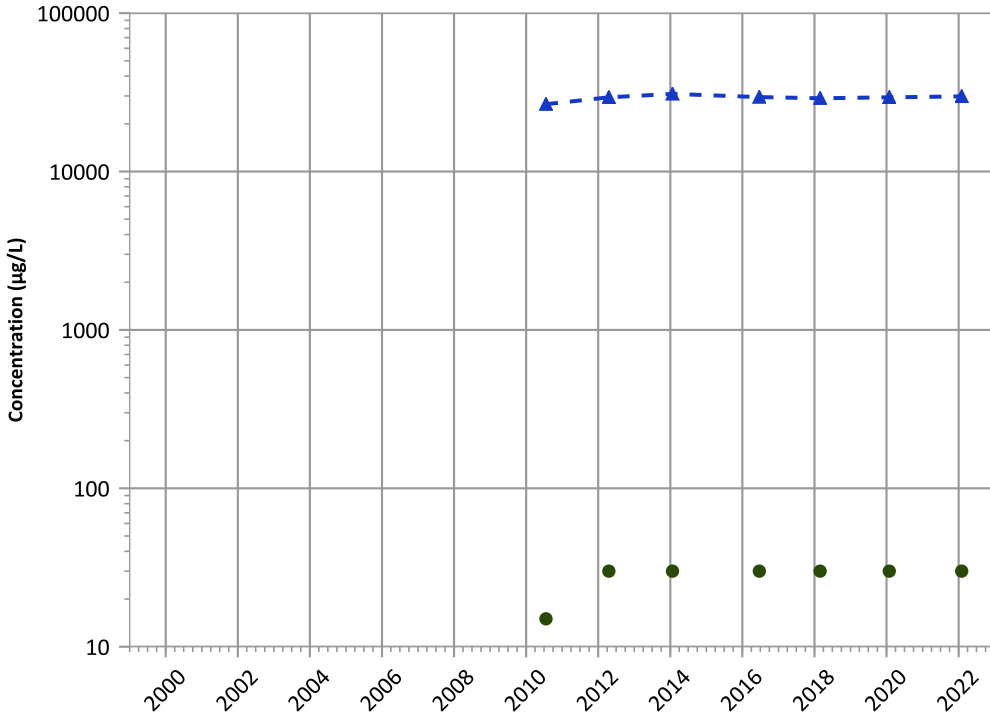
MAROS Linear Regression Method

All Data: Stable

2020 - 2022 Data: Stable

Stable

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend

2020 - 2022 Data: No Trend

No Trend

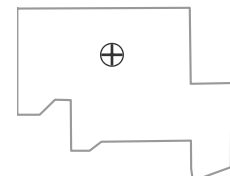
MAROS Linear Regression Method

All Data: No Trend

2020 - 2022 Data: Increasing

Increasing

Well Location

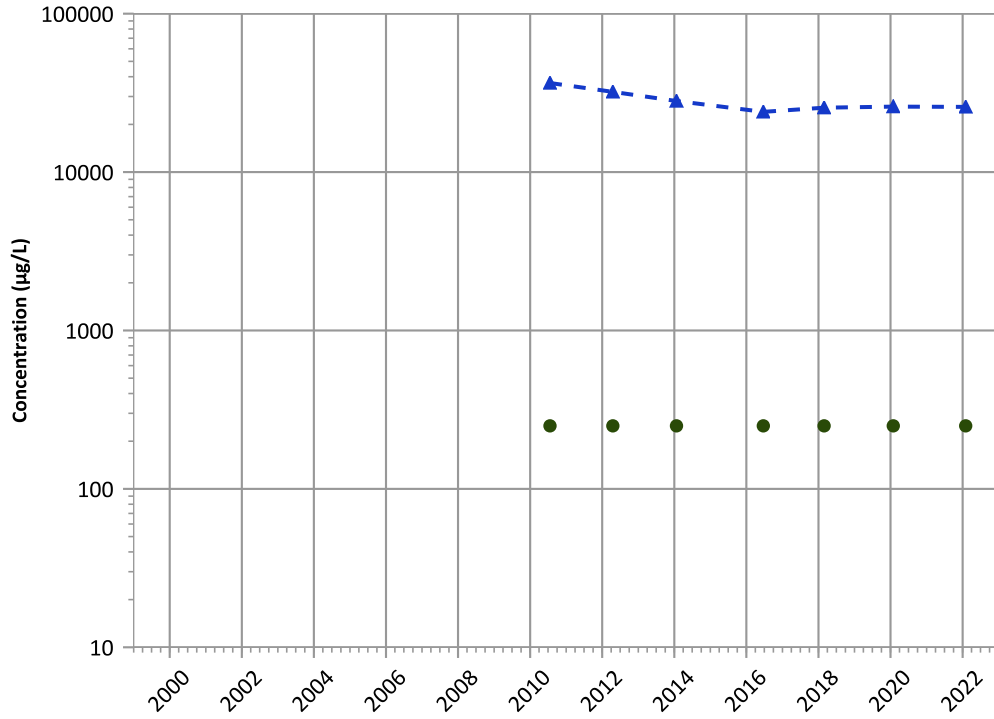


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
No Trend

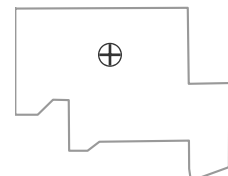
MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Probably Increasing

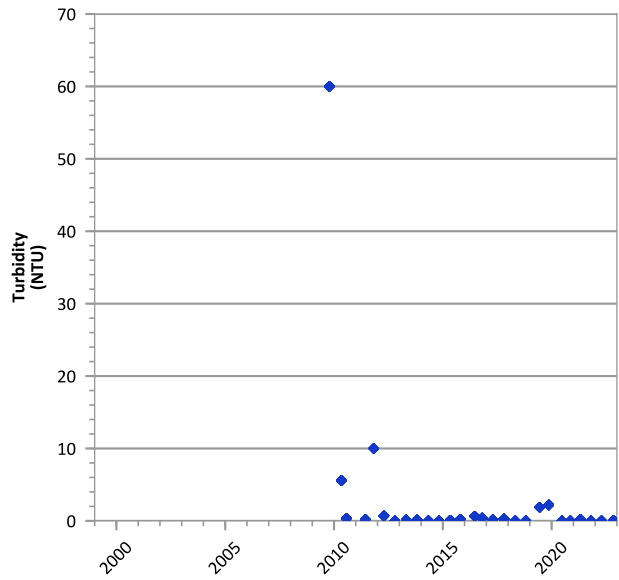
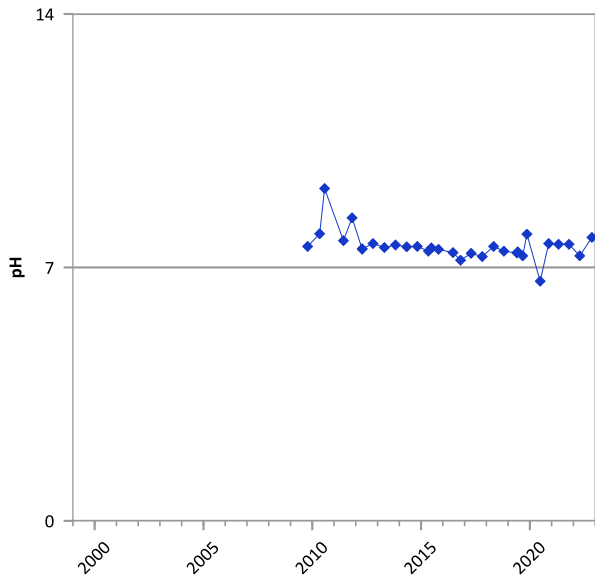
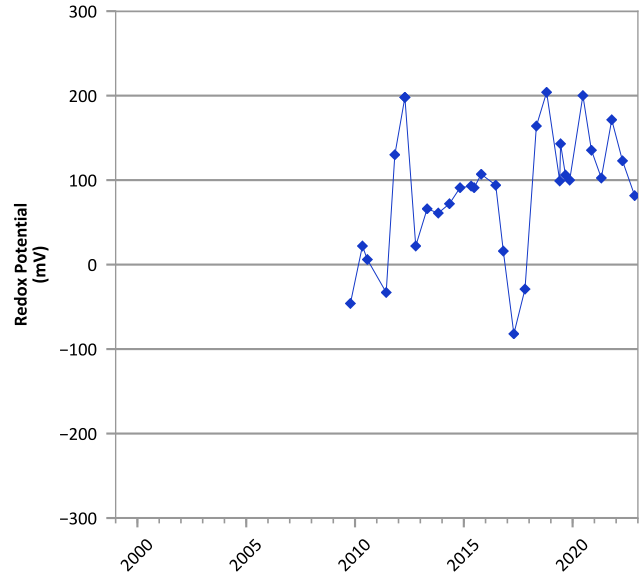
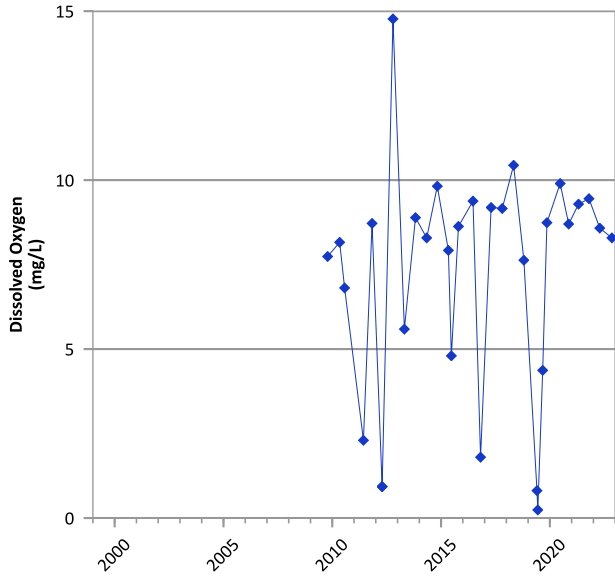
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/14/2009 to 02/01/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

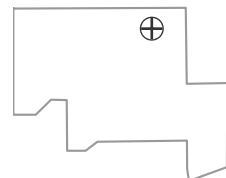


**PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



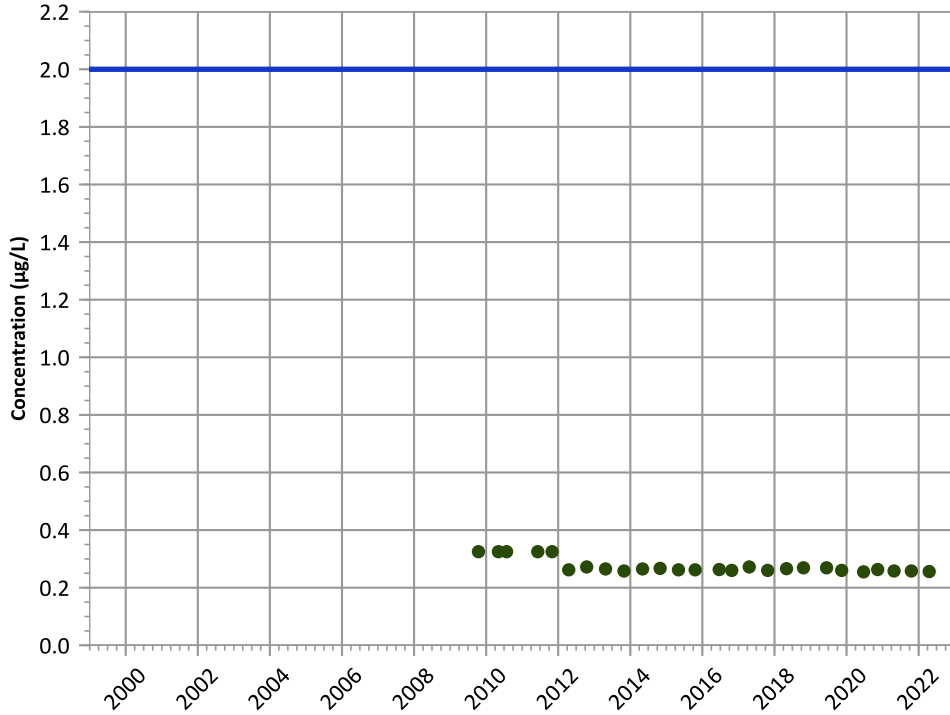
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/15/2009 to 11/08/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

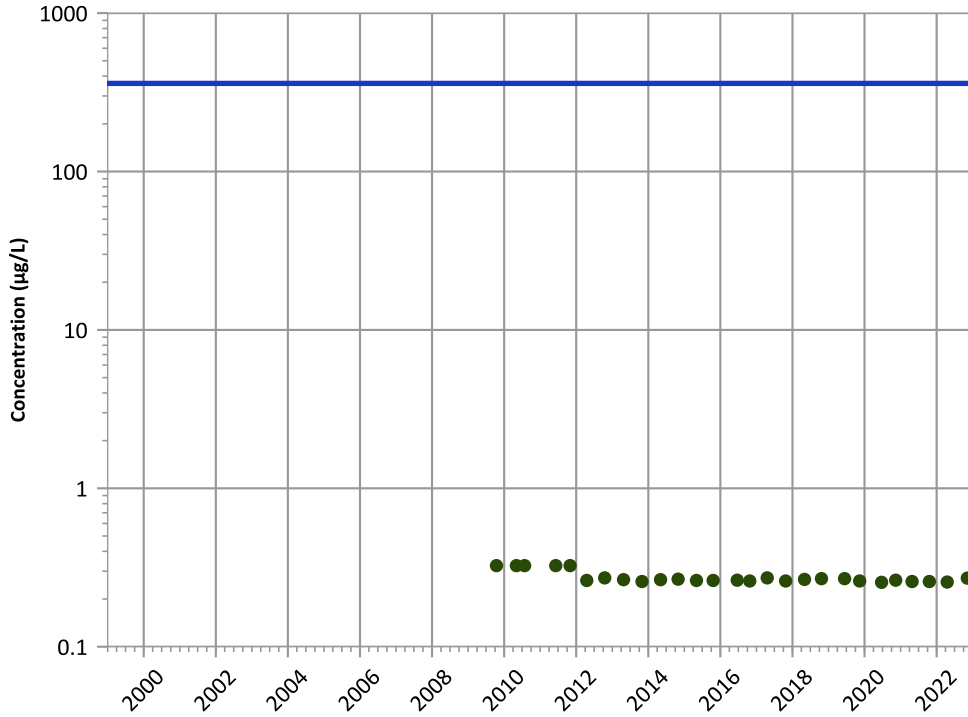
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

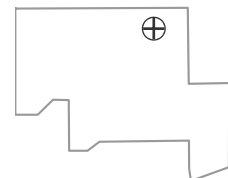
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

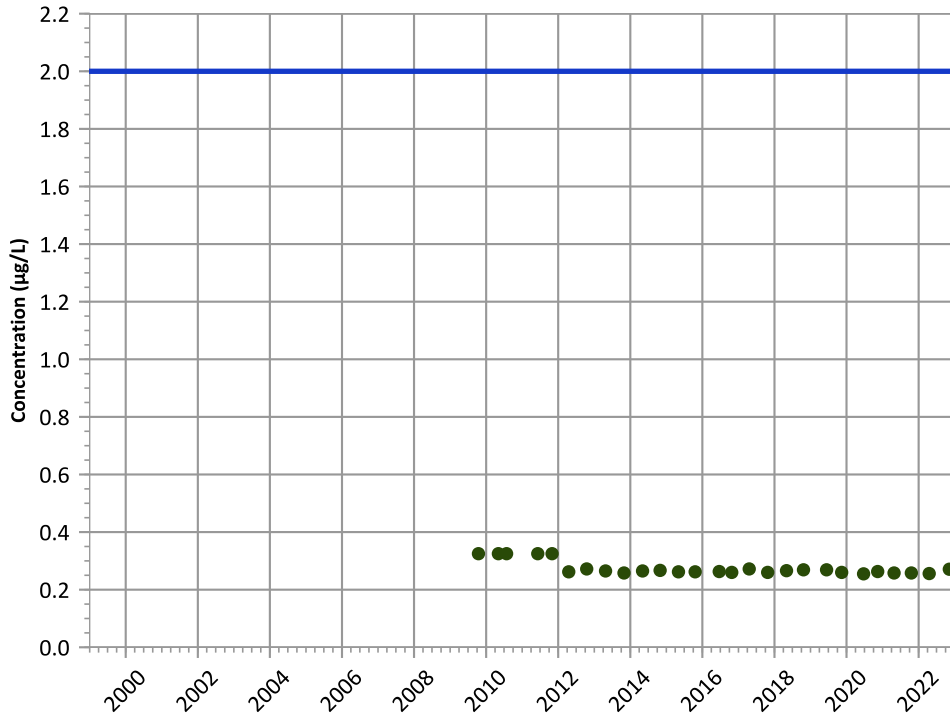
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

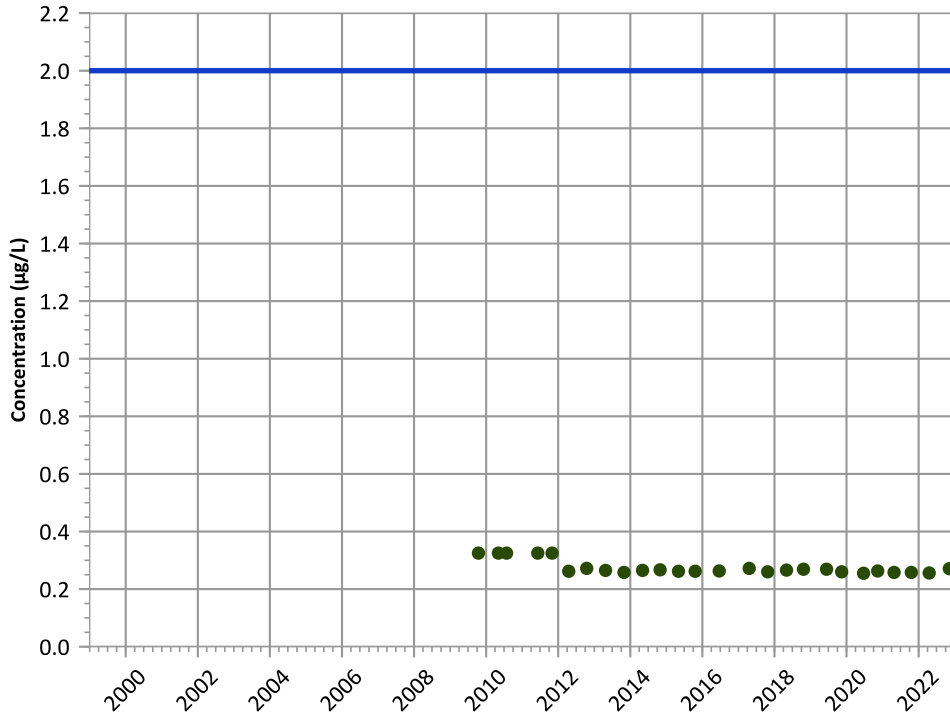
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

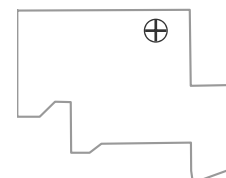
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

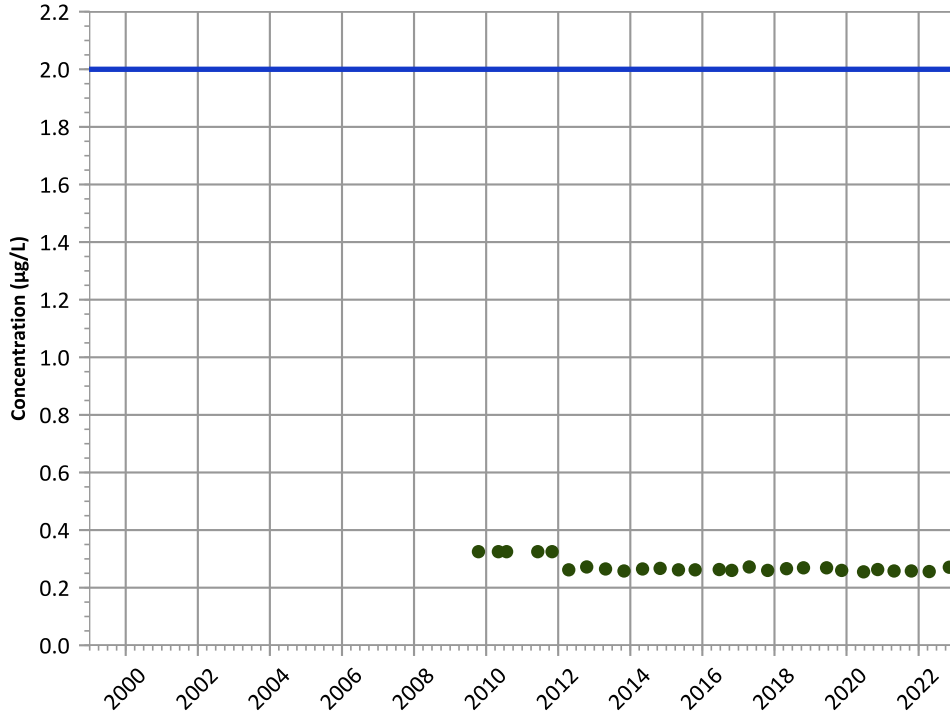
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

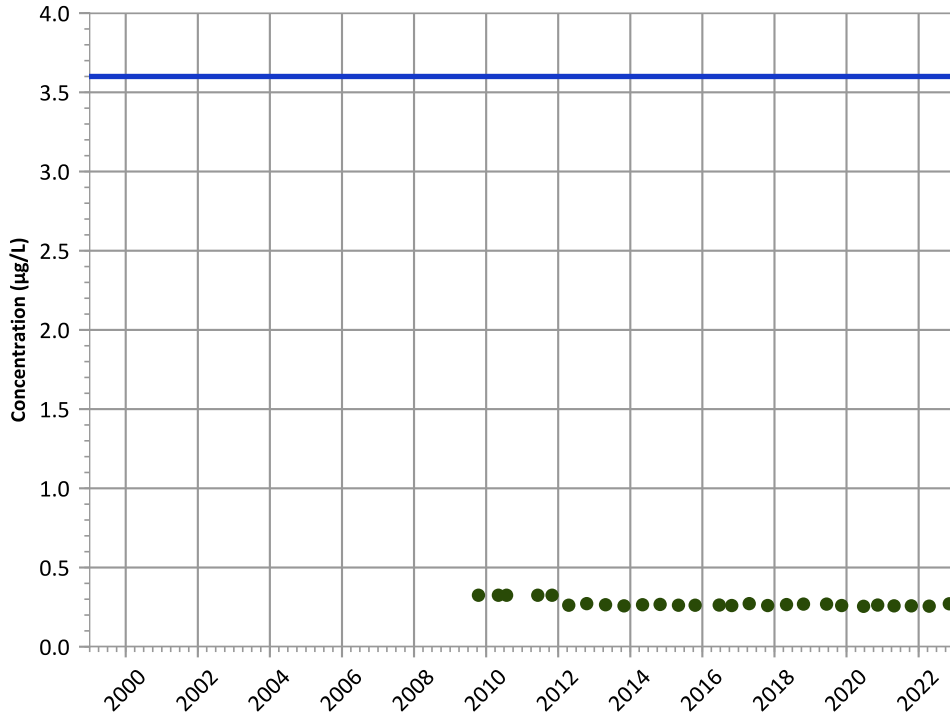
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

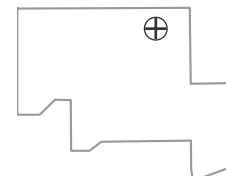
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

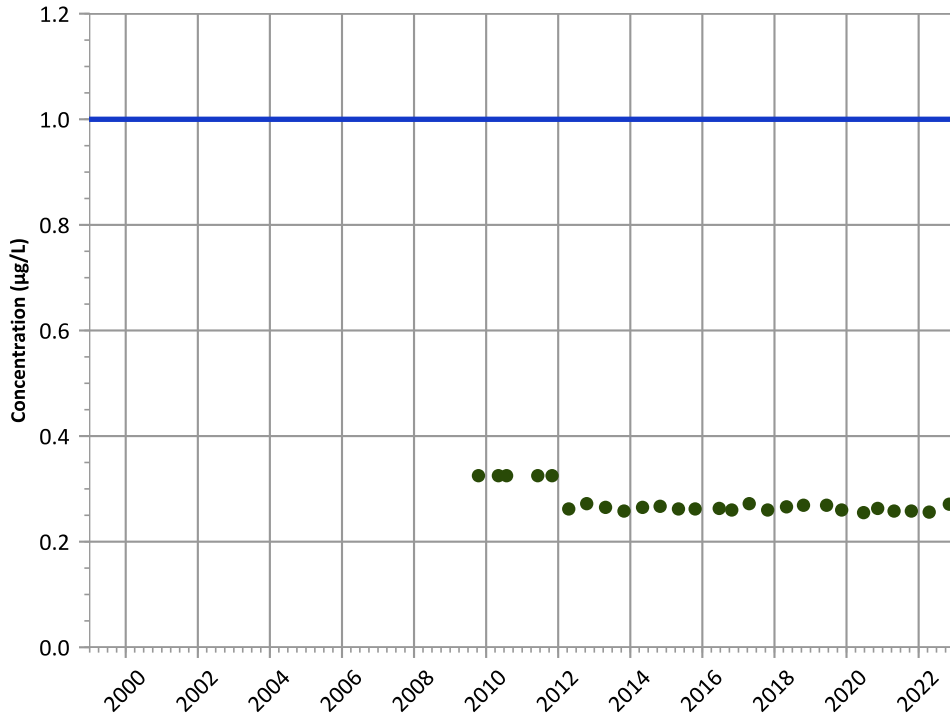
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

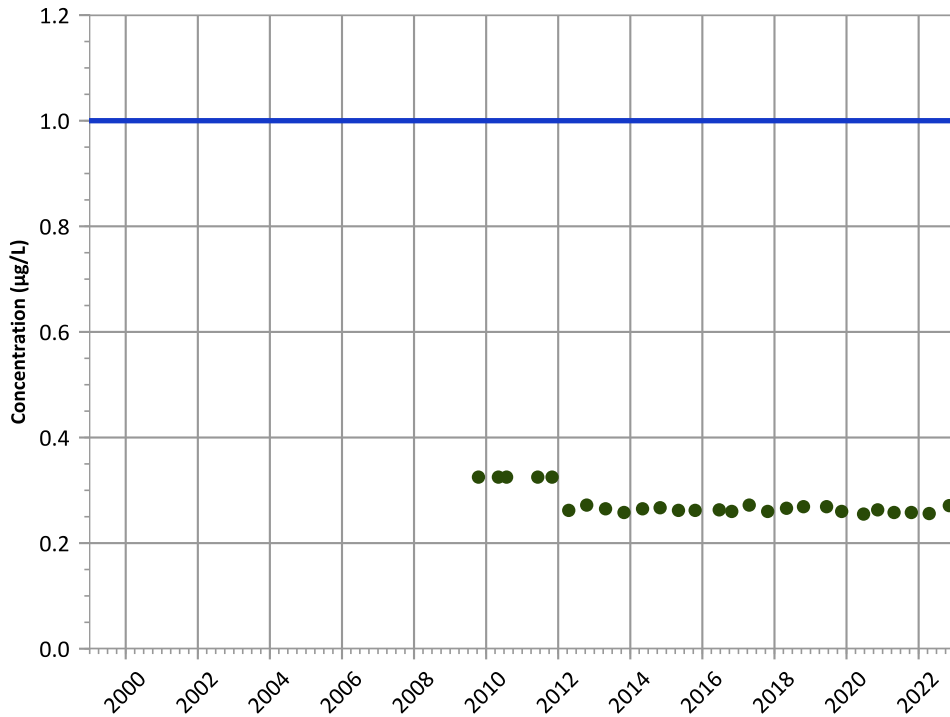
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

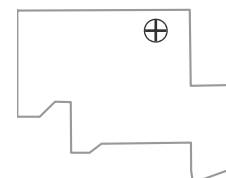
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

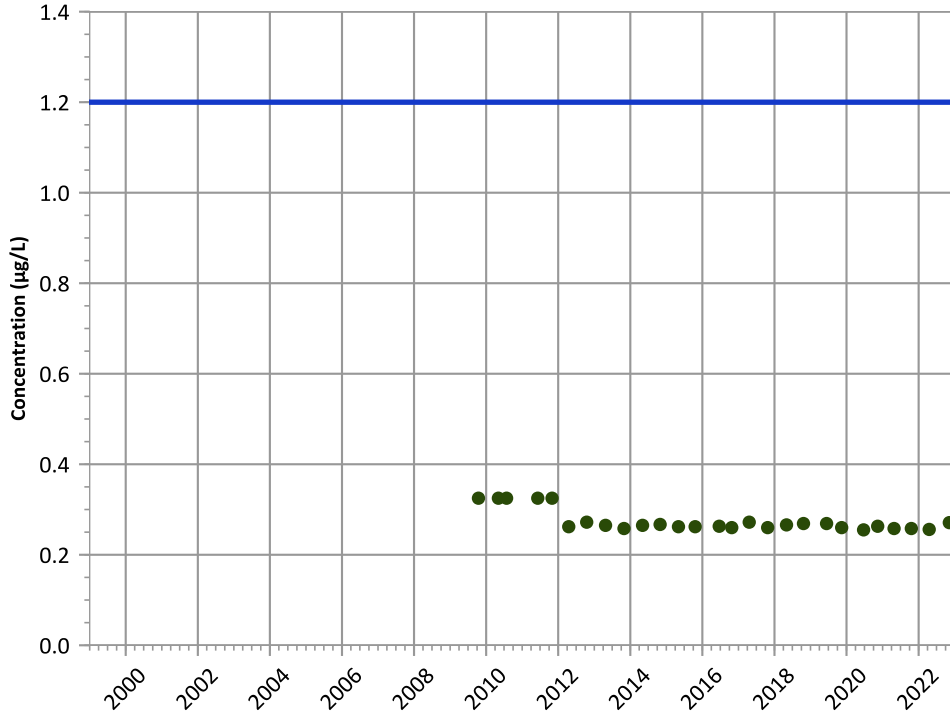


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

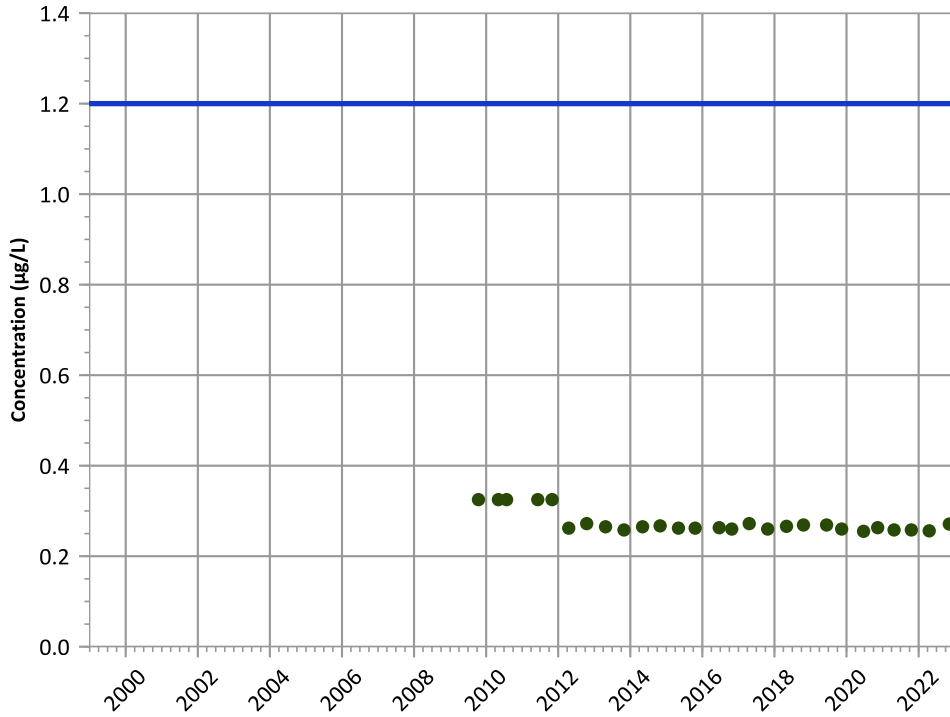
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

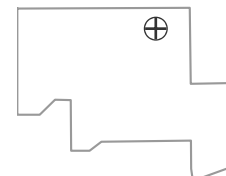
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

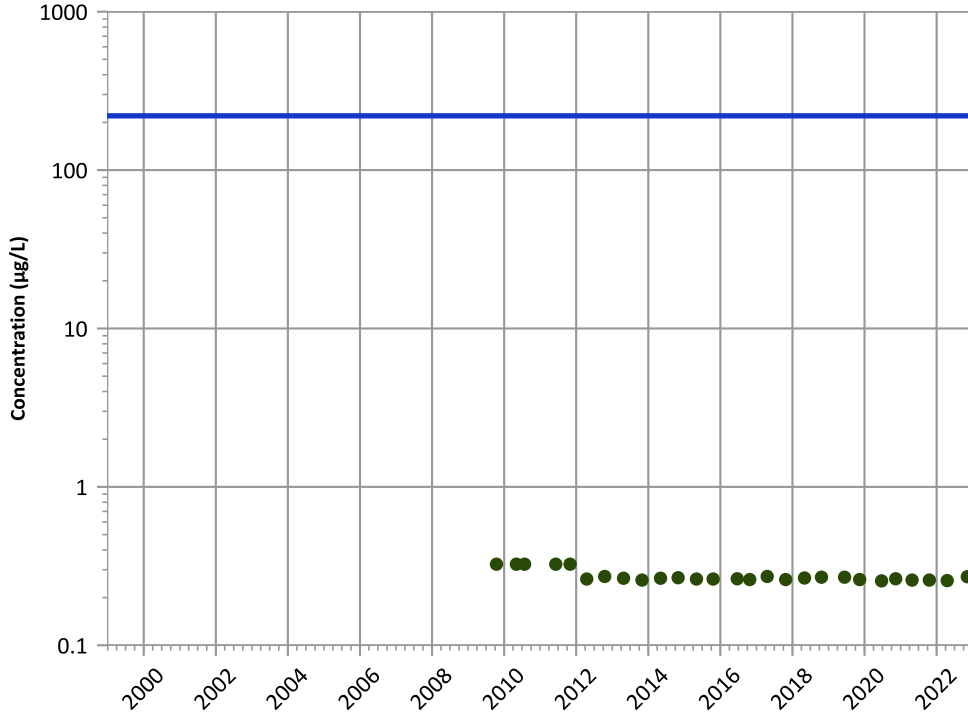


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

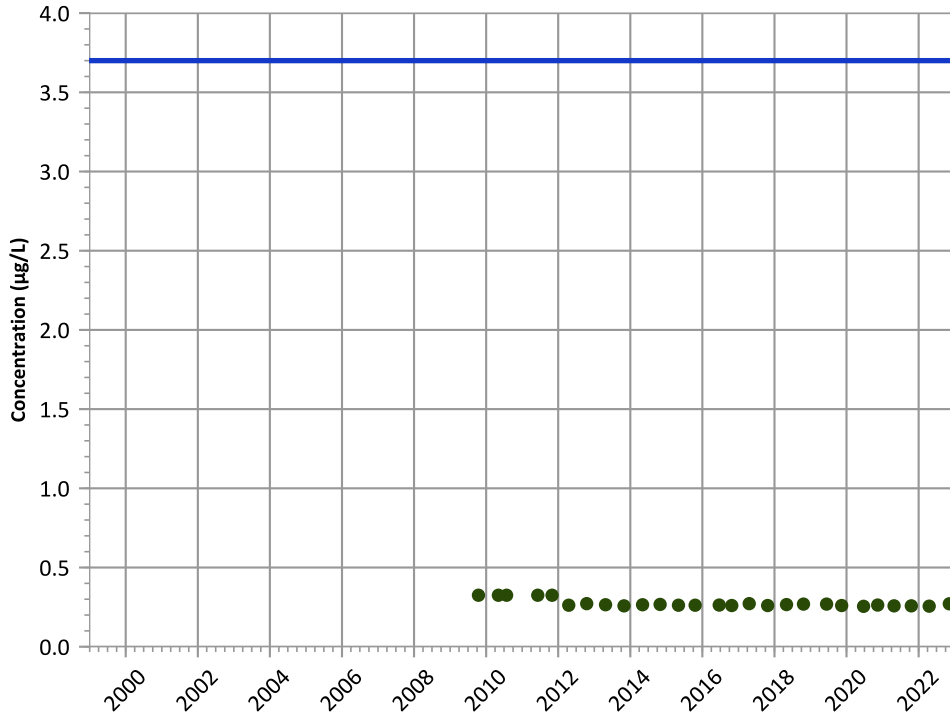
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

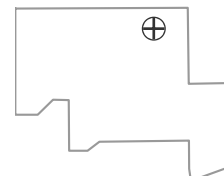
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

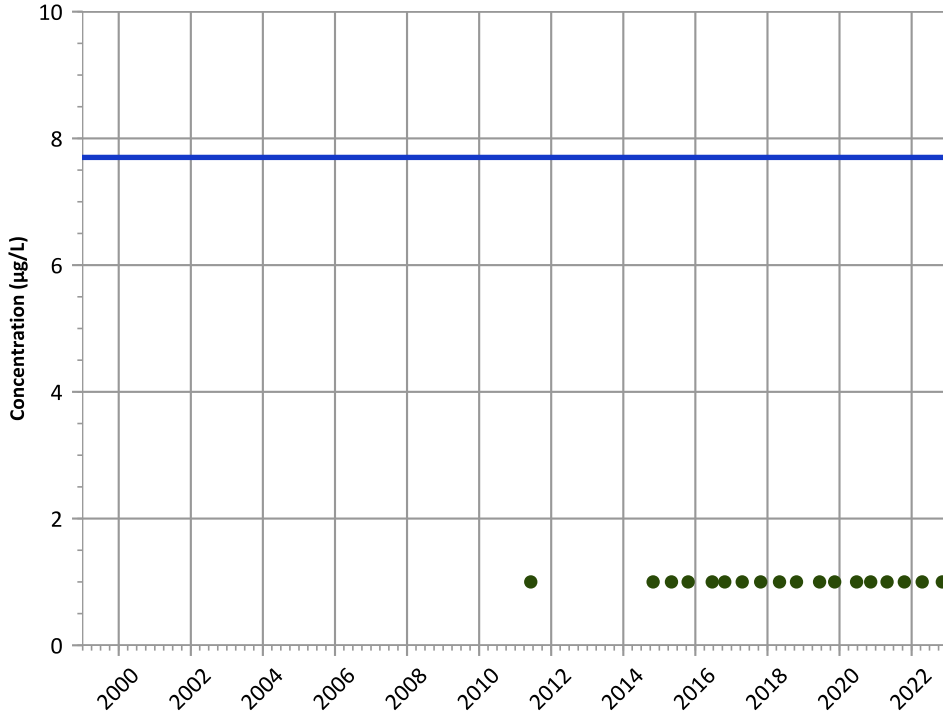
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

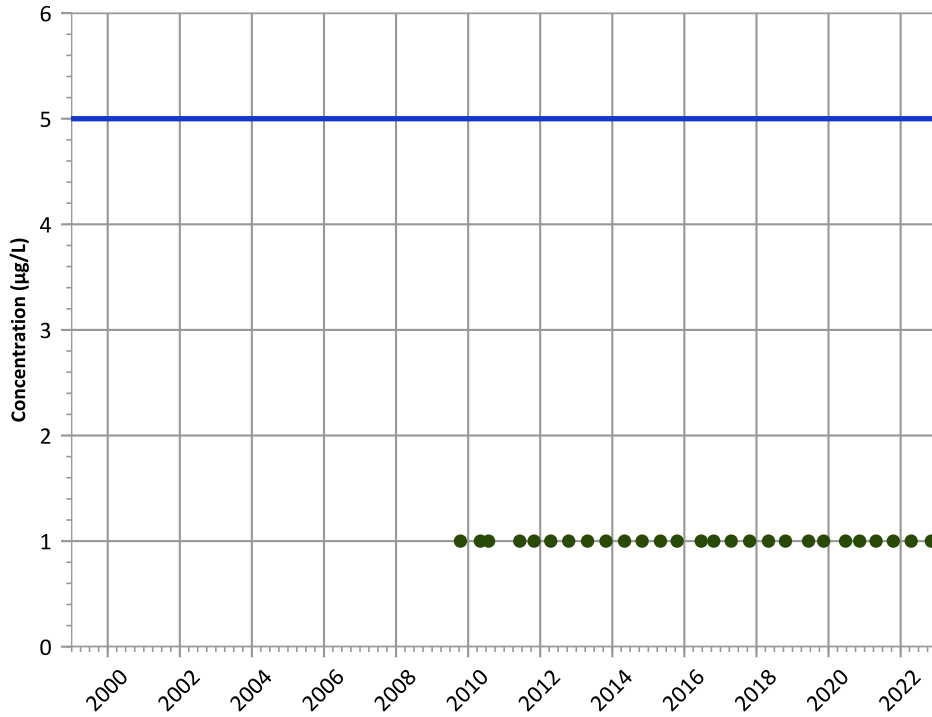
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

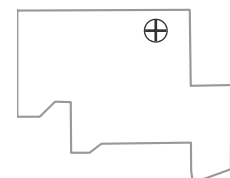
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

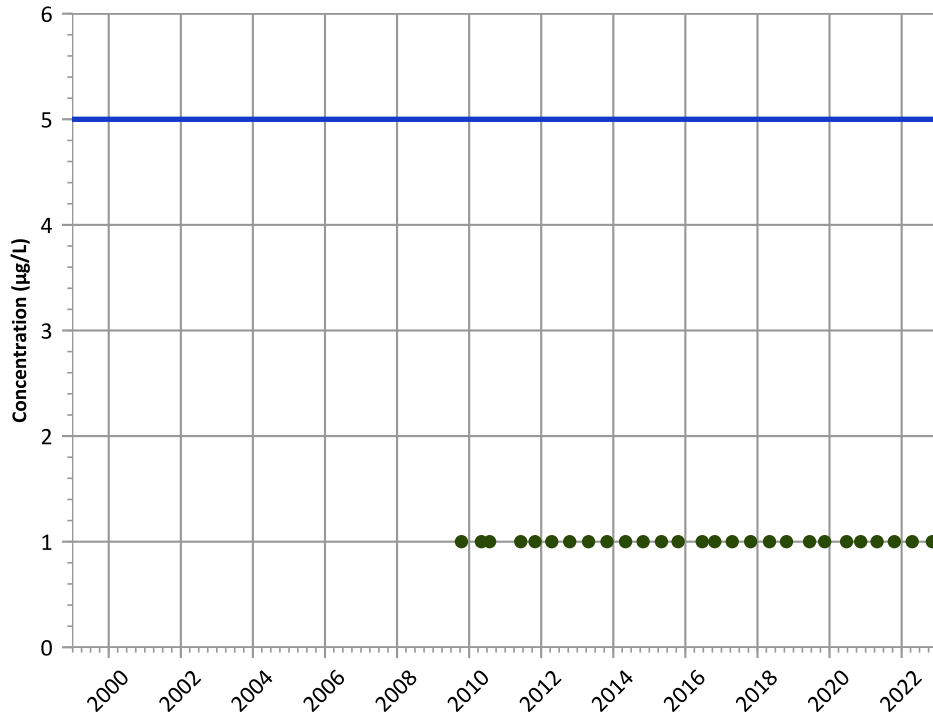


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

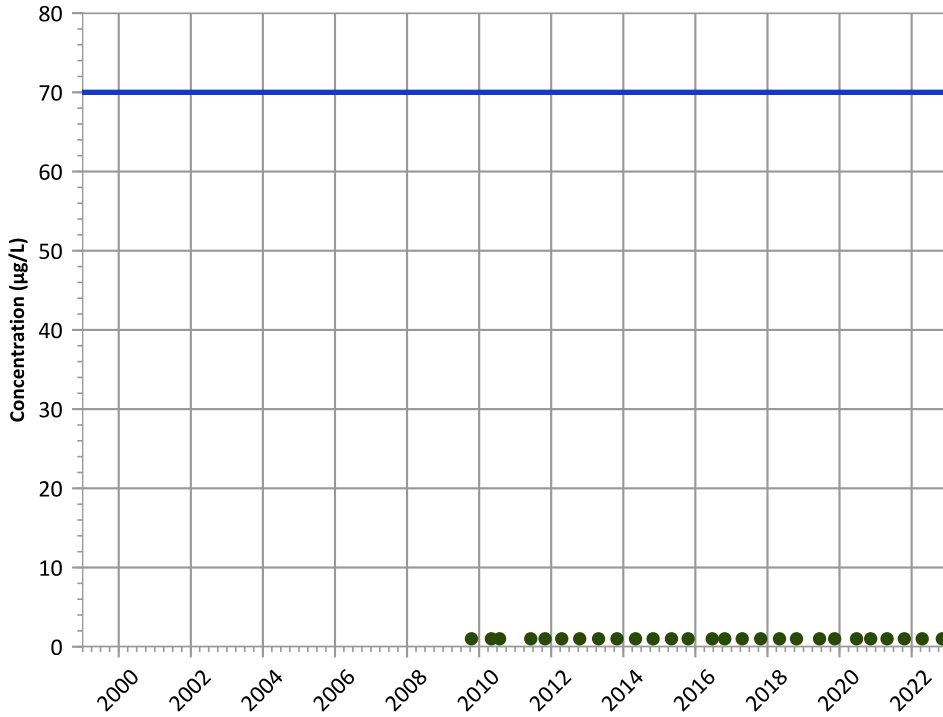
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

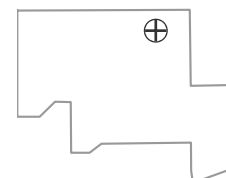
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

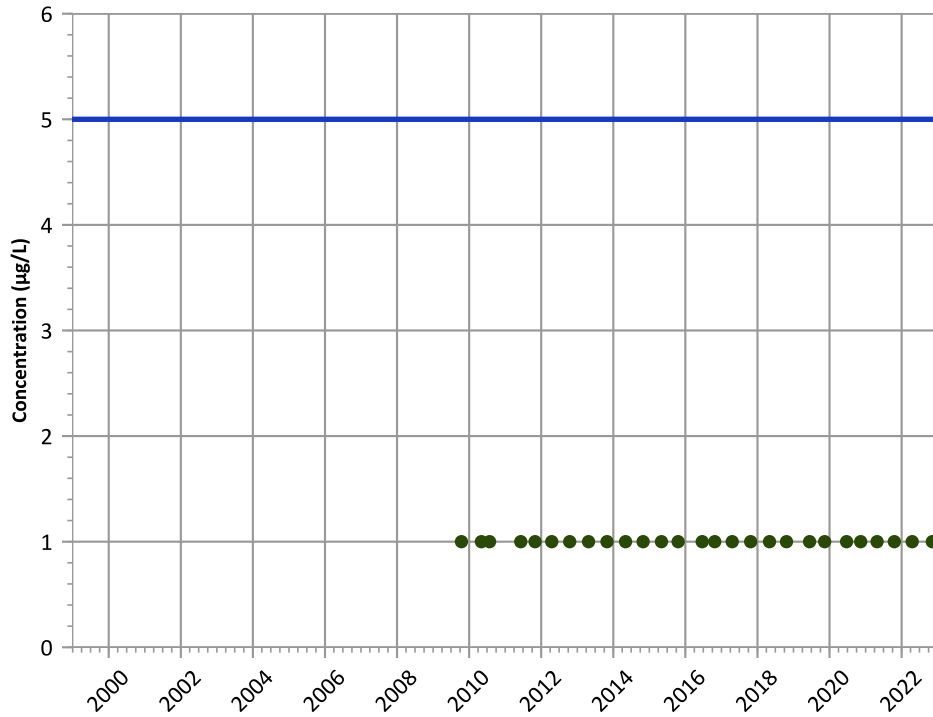
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

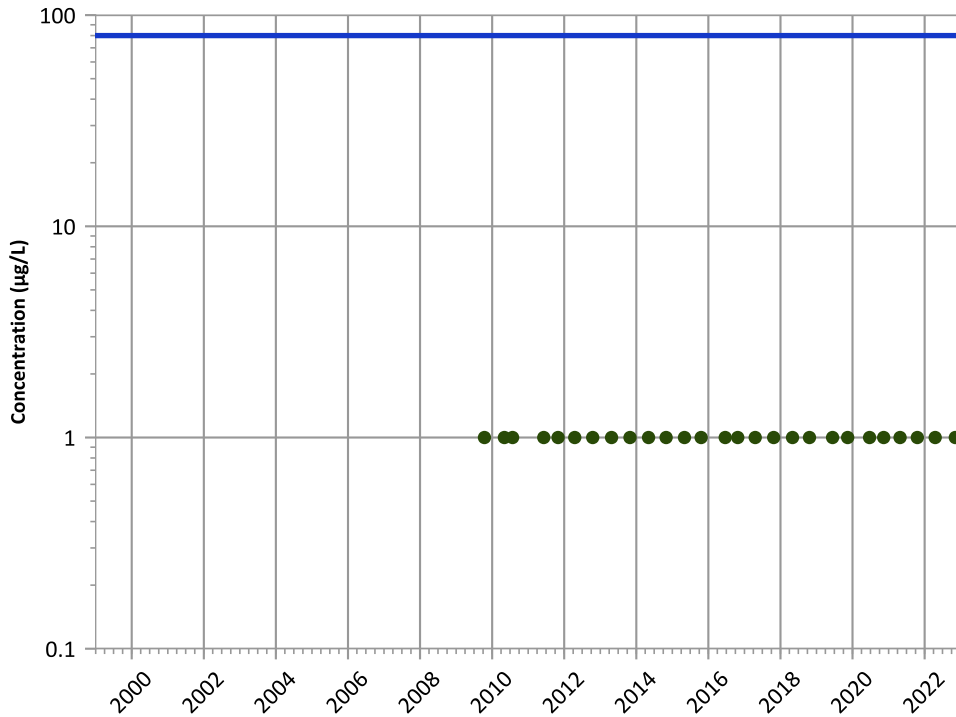
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

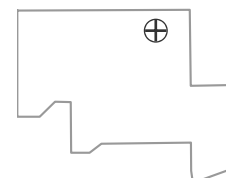
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

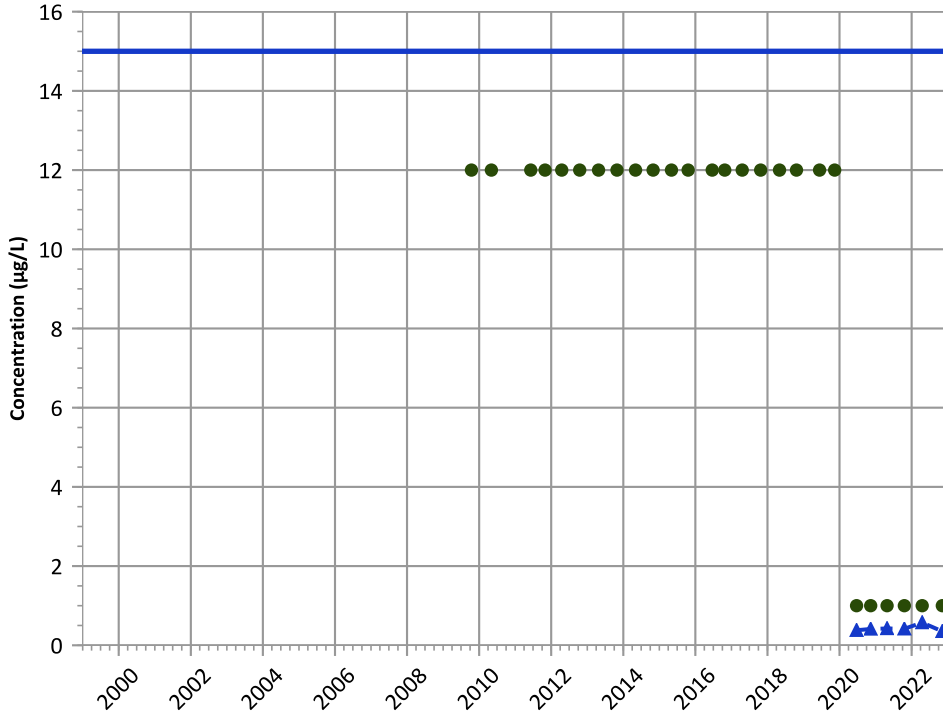


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard



**PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

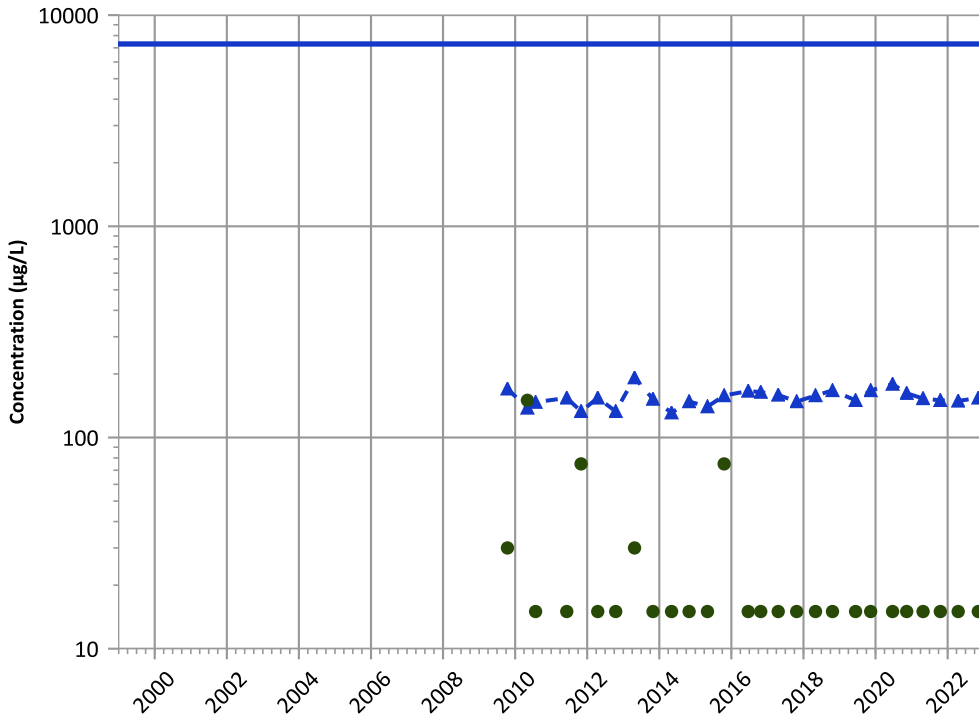
**MAROS Mann-Kendall Method**

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

**MAROS Linear Regression Method**

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

**Boron Trend**



**Concentration Trend**

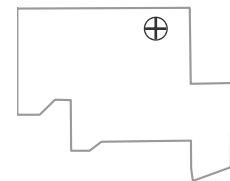
**MAROS Mann-Kendall Method**

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

**MAROS Linear Regression Method**

All Data:  
No Trend  
2020 - 2022 Data:  
No Trend

**Well Location**

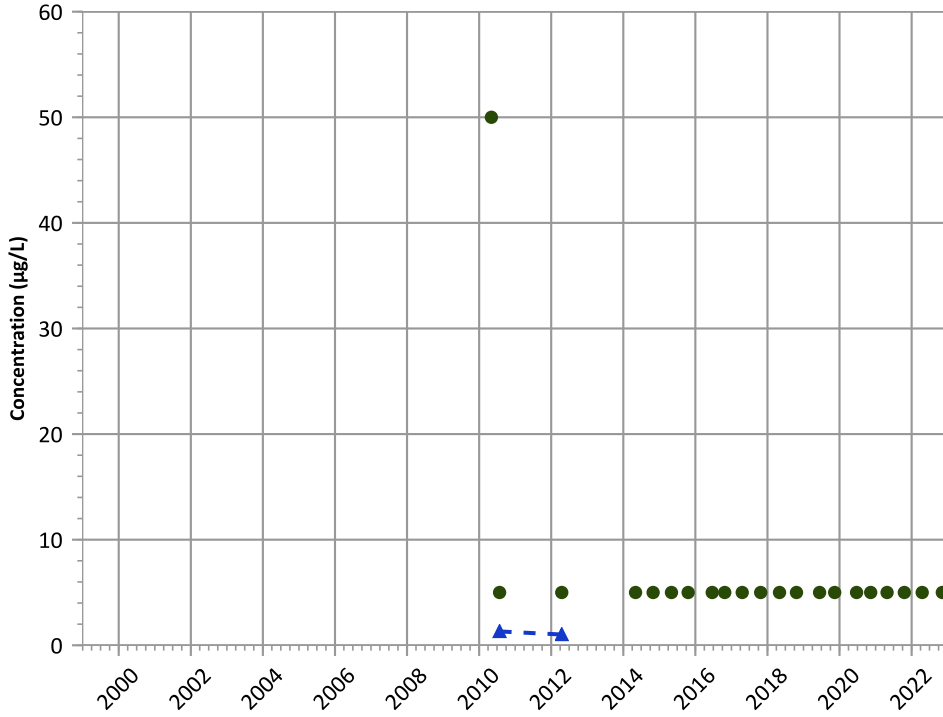


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend

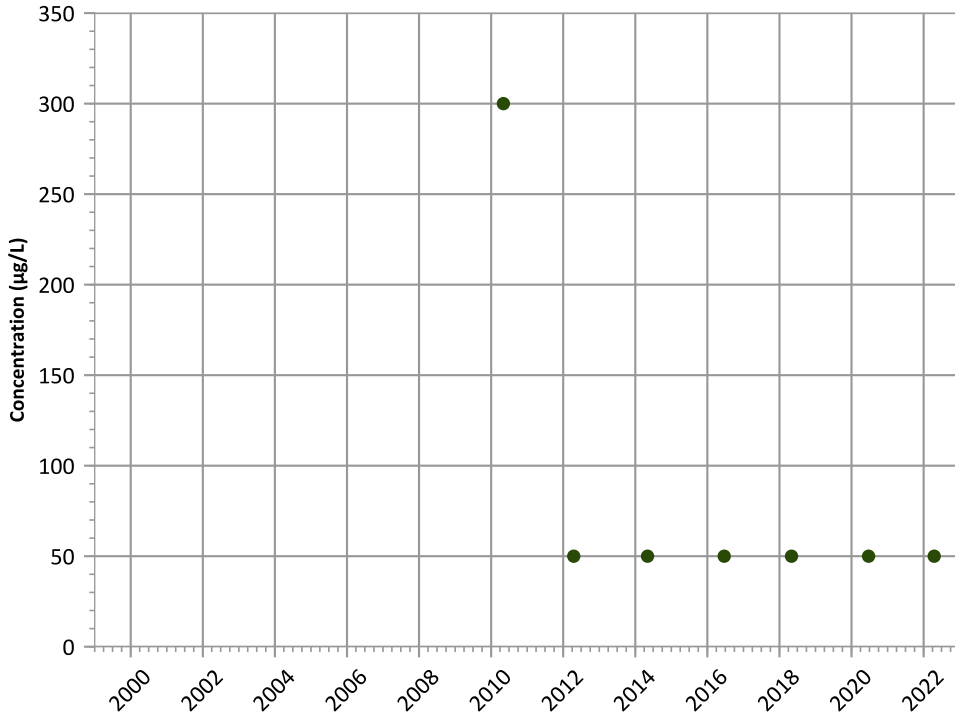


Concentration Trend

**MAROS Mann-Kendall Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Aluminum Trend

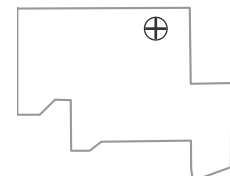


Concentration Trend

**MAROS Mann-Kendall Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**  
All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

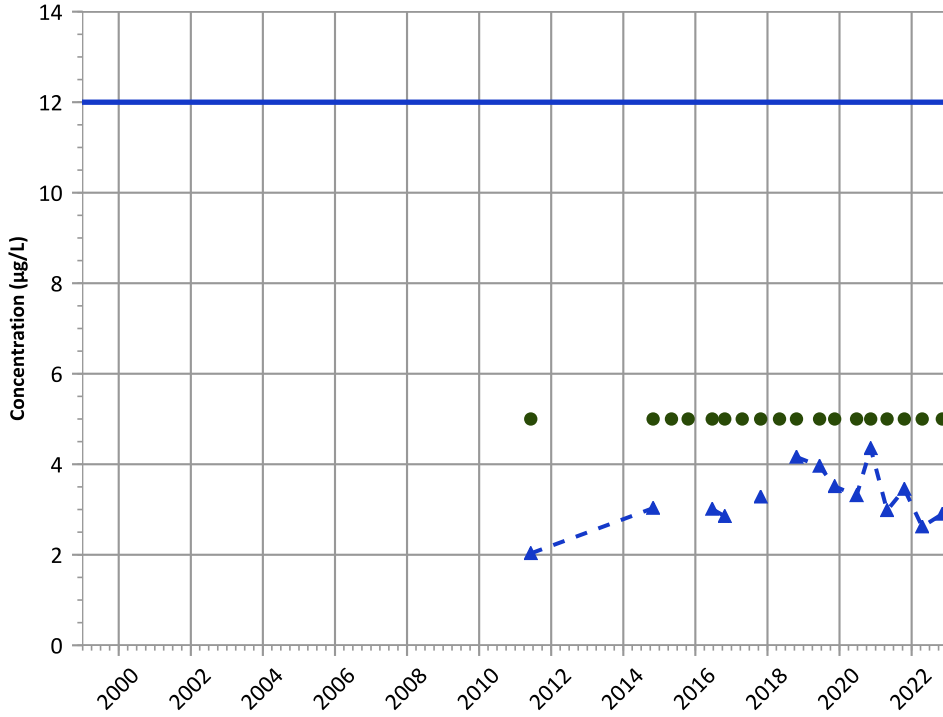


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

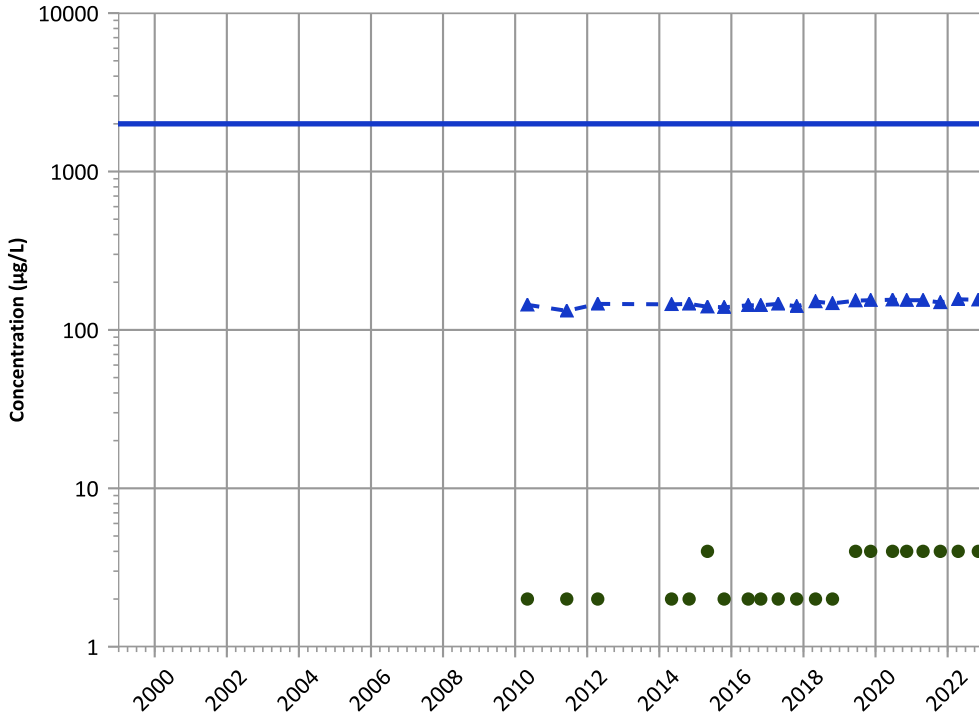
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Stable

Barium Trend



Concentration Trend

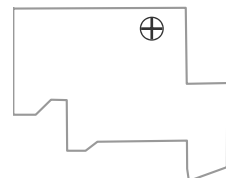
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: No Trend

Well Location

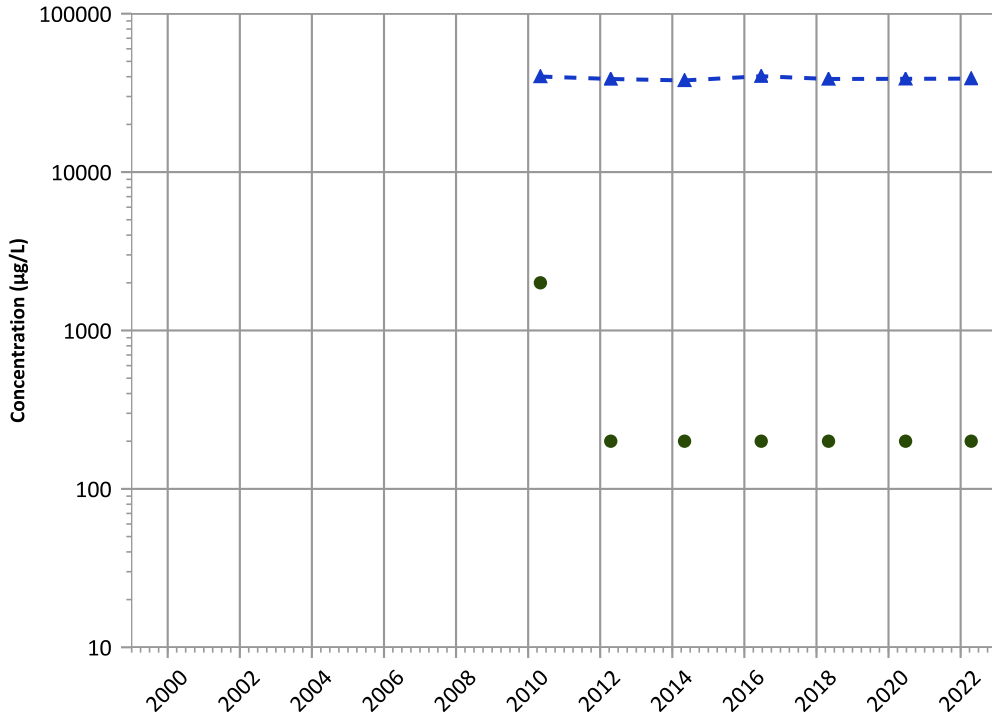


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

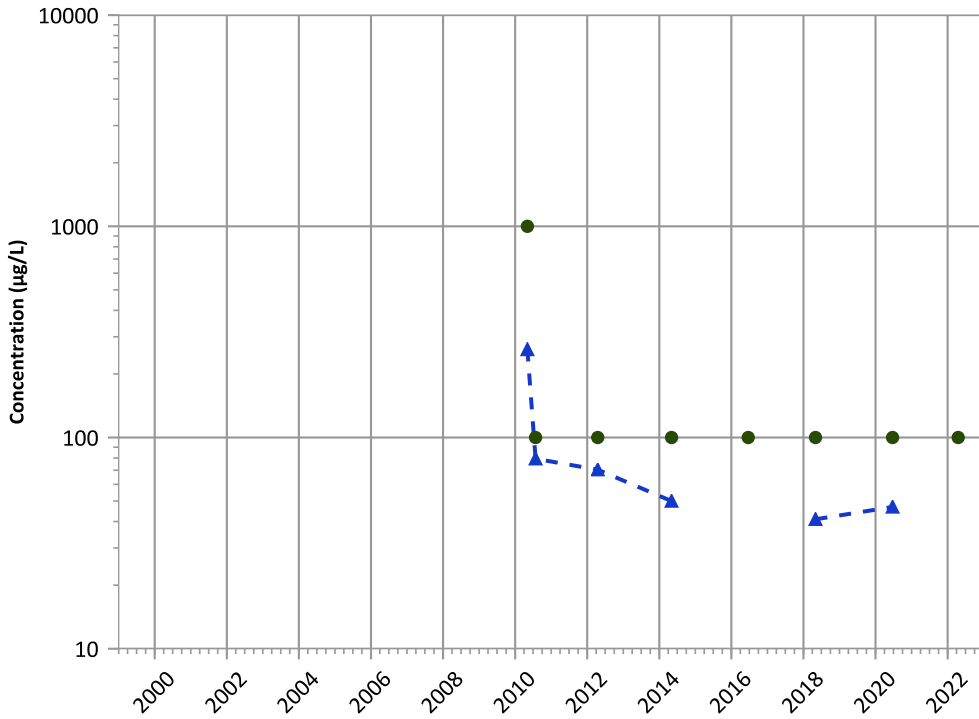
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Stable

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Iron Trend



Concentration Trend

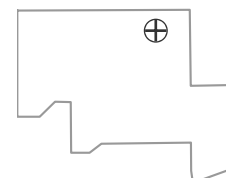
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: Stable

Well Location

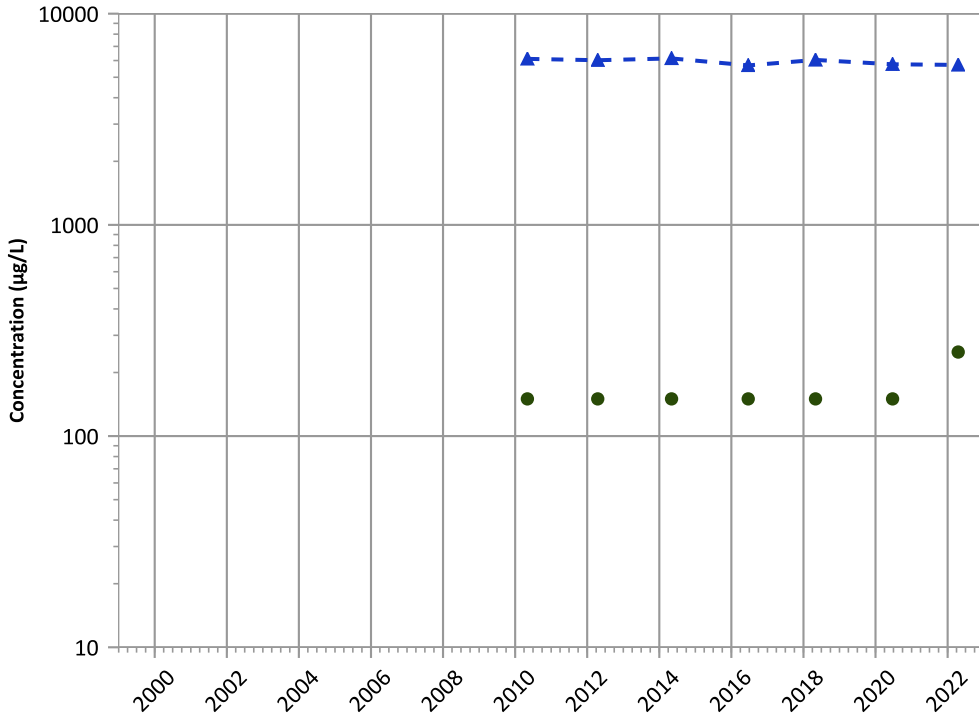


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

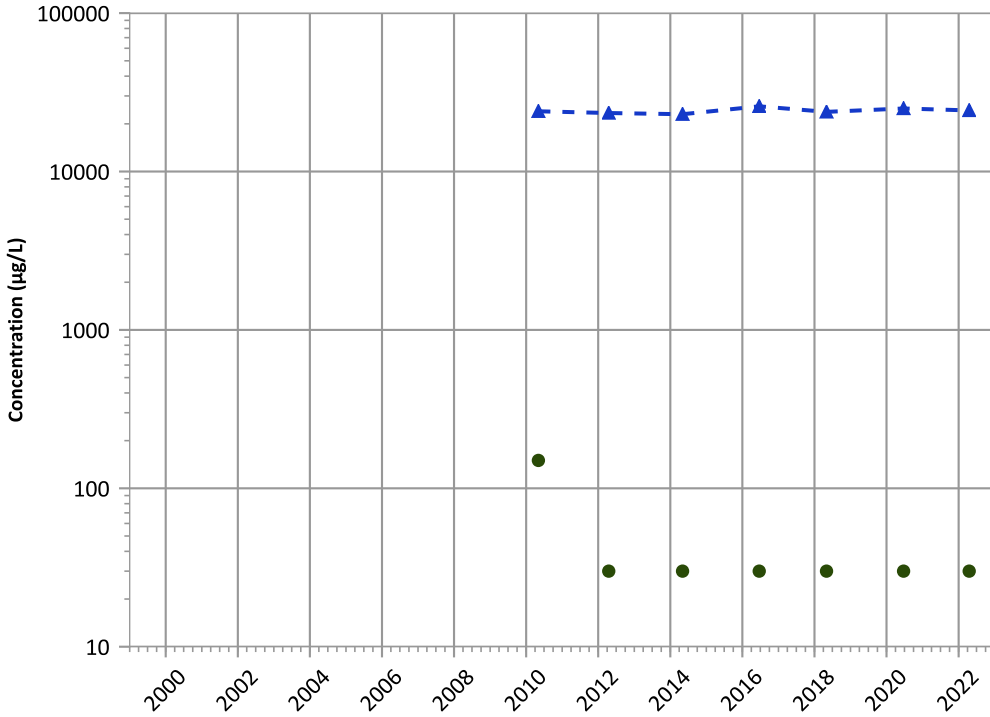
MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Stable

MAROS Linear Regression Method

All Data:  
Decreasing  
2020 - 2022 Data:  
Decreasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
No Trend  
2020 - 2022 Data:  
Decreasing

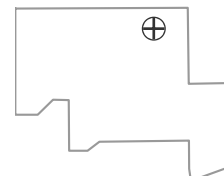
MAROS Linear Regression Method

All Data:  
No Trend  
2020 - 2022 Data:  
Stable

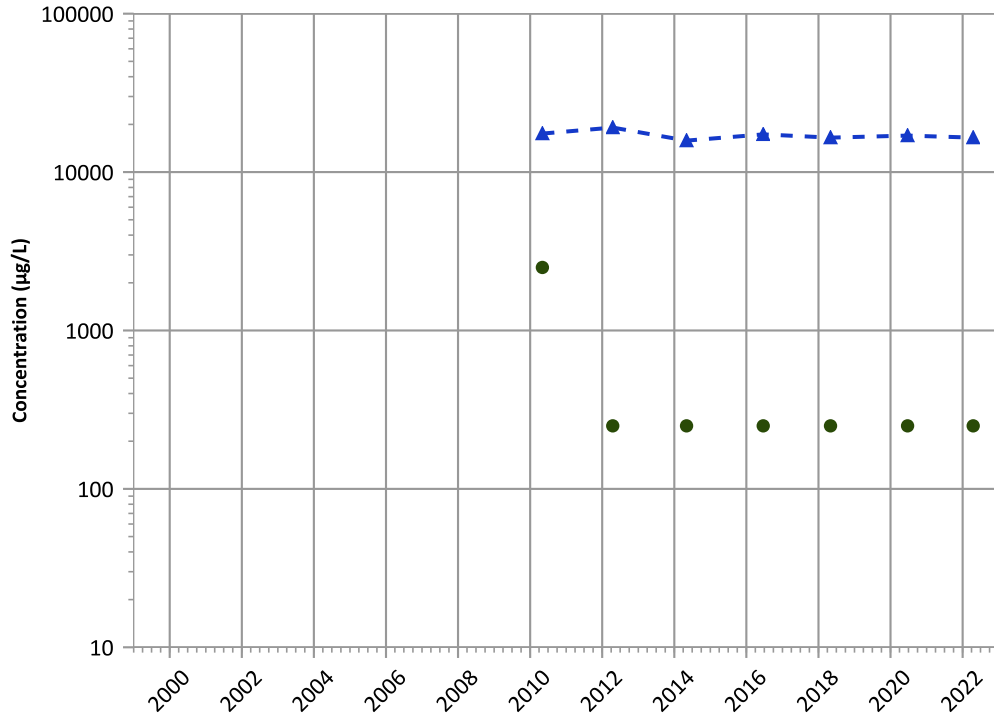
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 10/15/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1143 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing

2020 - 2022 Data:  
Decreasing

Decreasing

**MAROS Linear Regression Method**

All Data:  
Stable

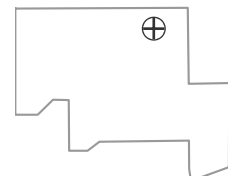
2020 - 2022 Data:  
Stable

Stable

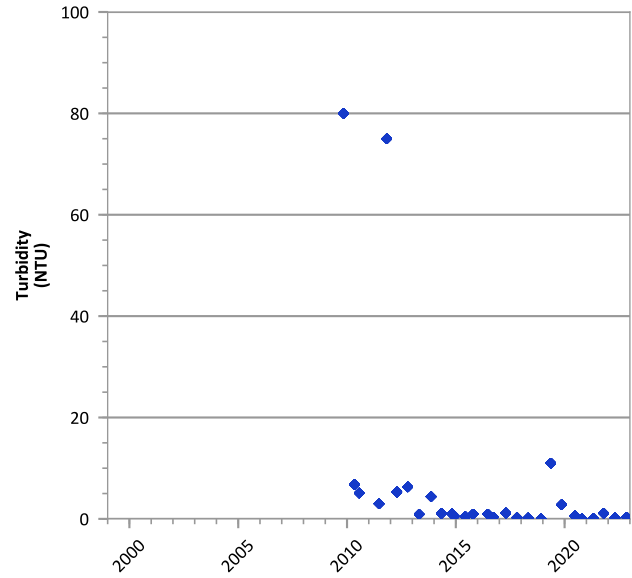
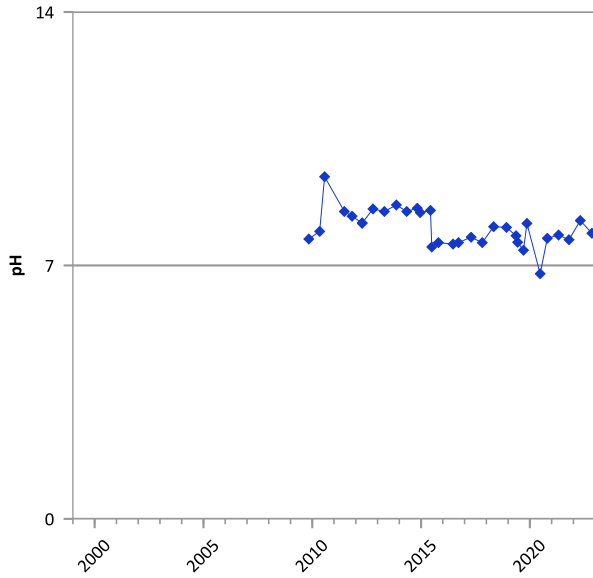
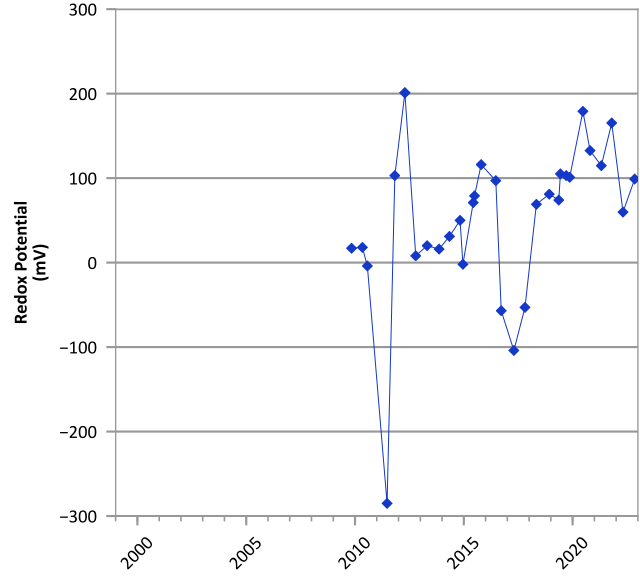
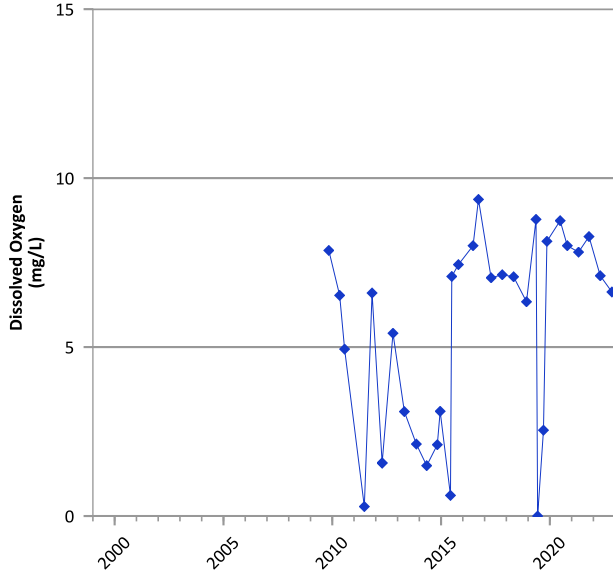
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 10/15/2009 to 11/08/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**

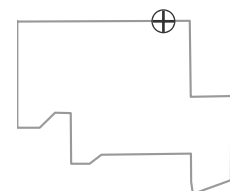


**PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



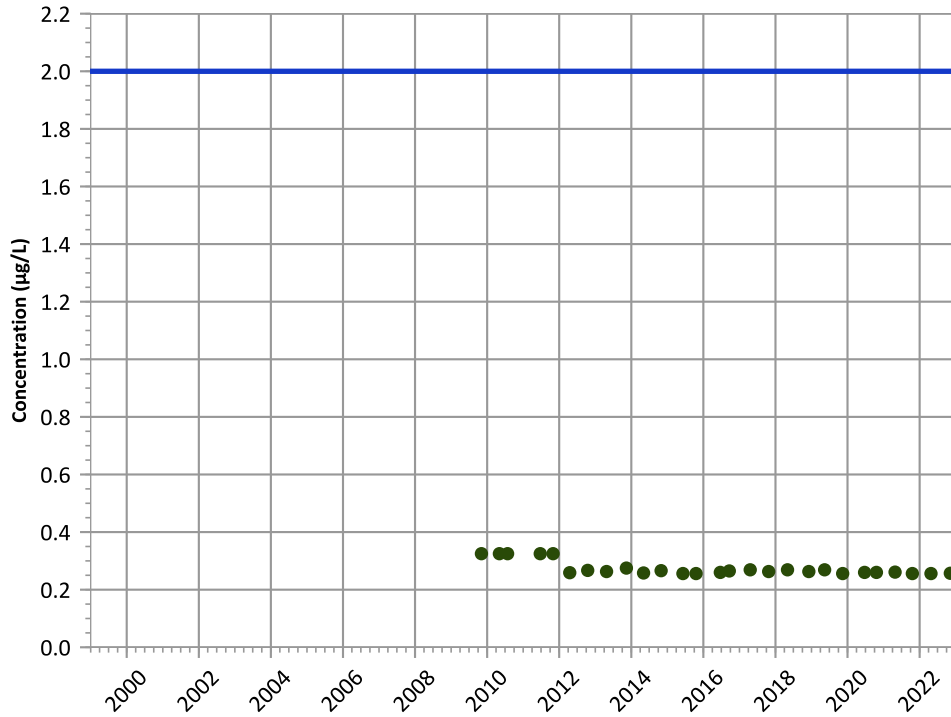
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 11/04/2009 to 11/08/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

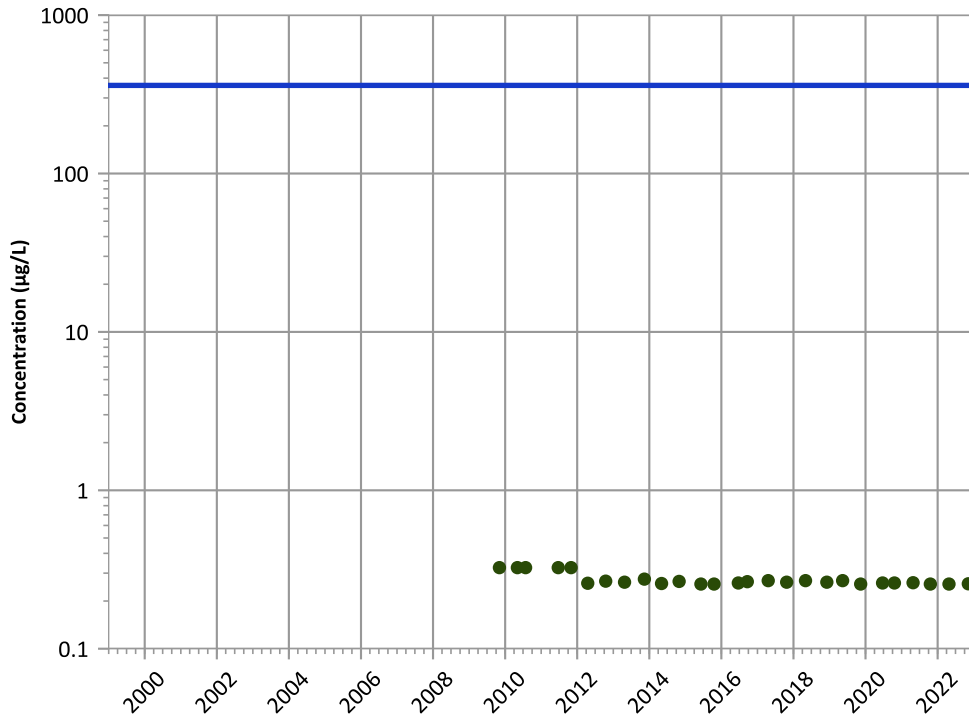
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

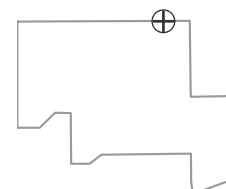
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

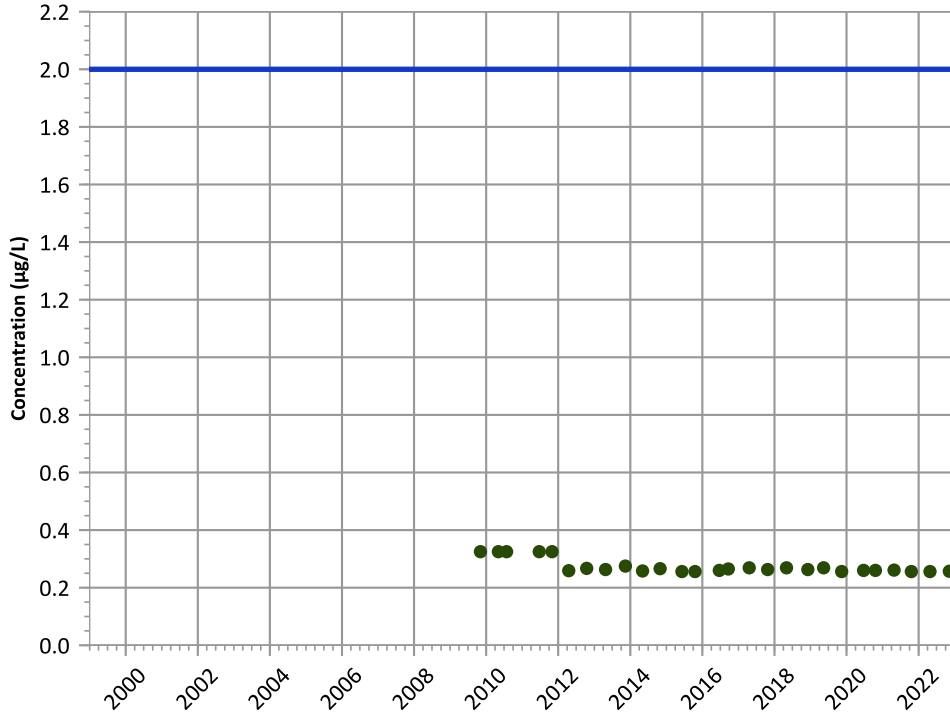
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location





**PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

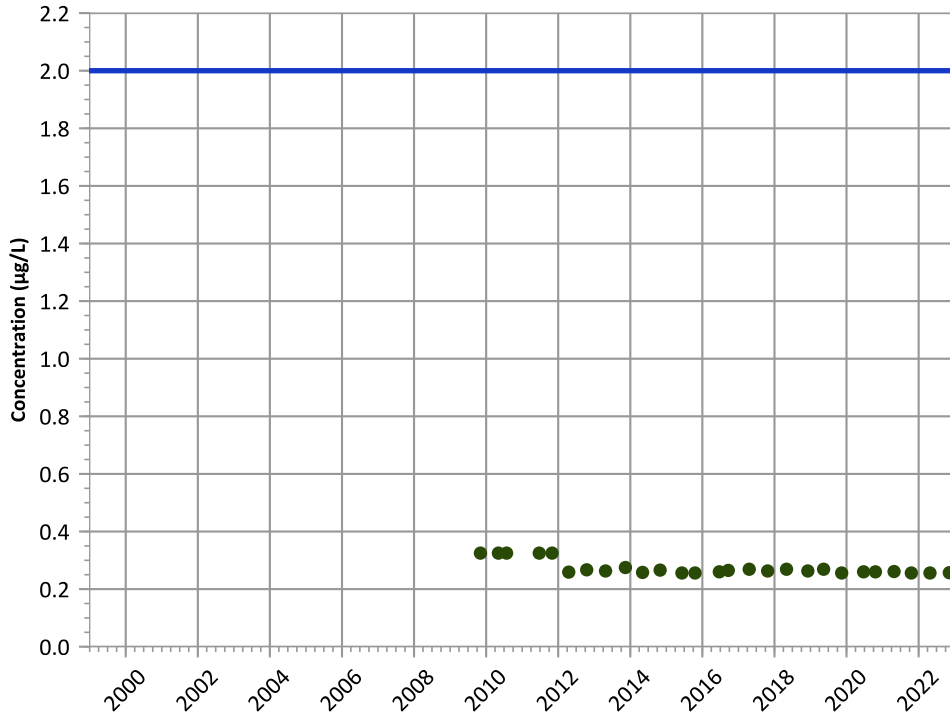
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

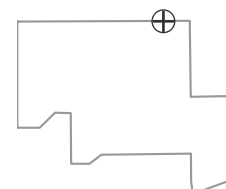
**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

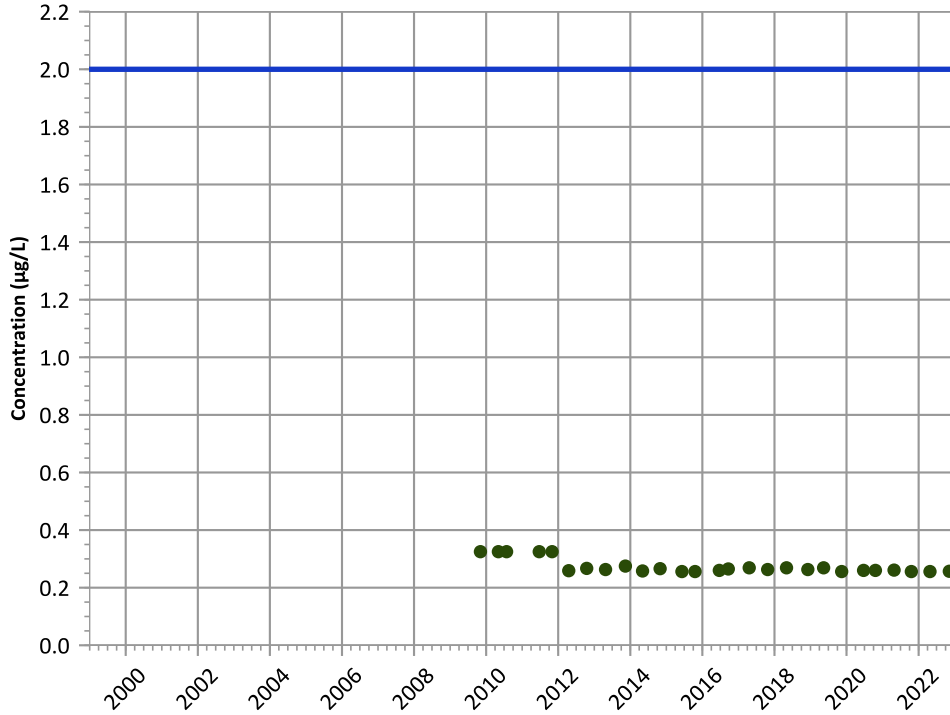
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

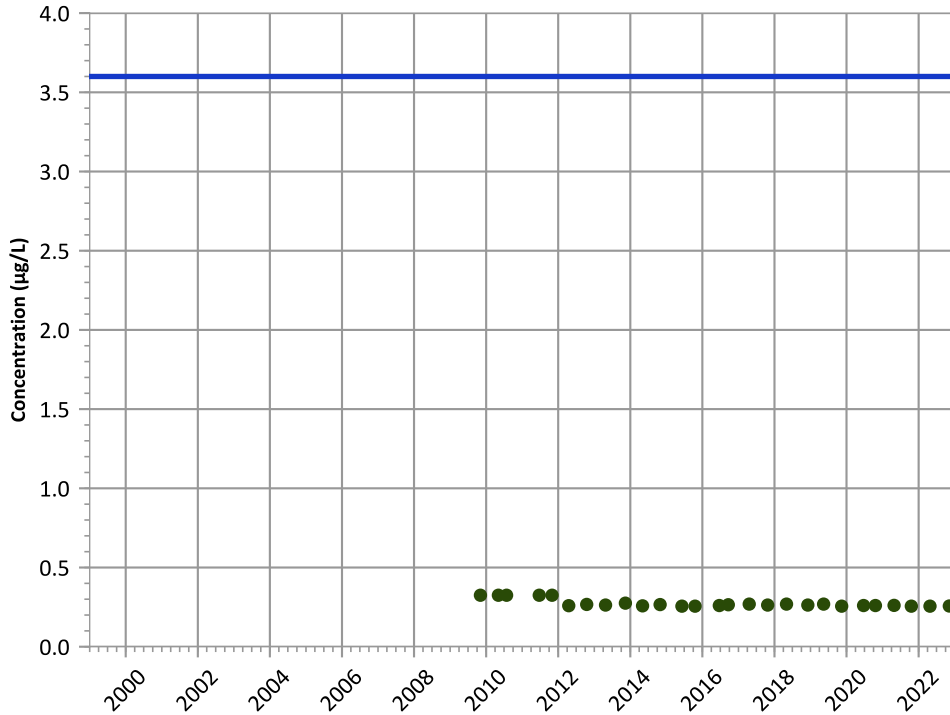
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

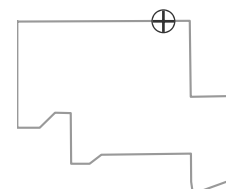
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

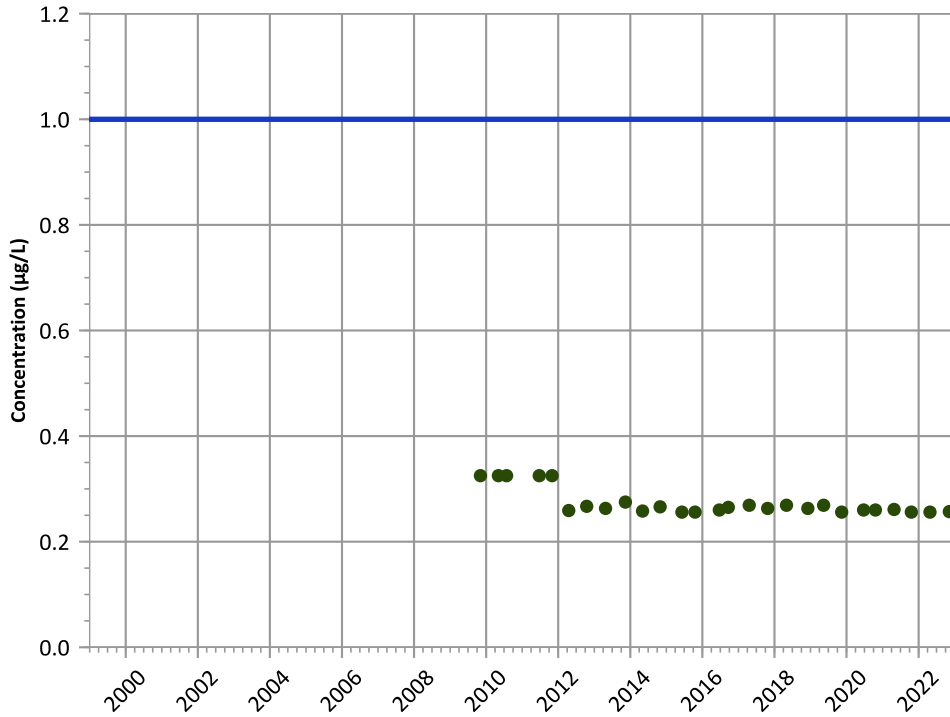
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
2,4-Dinitrotoluene Trend**



**Concentration Trend**

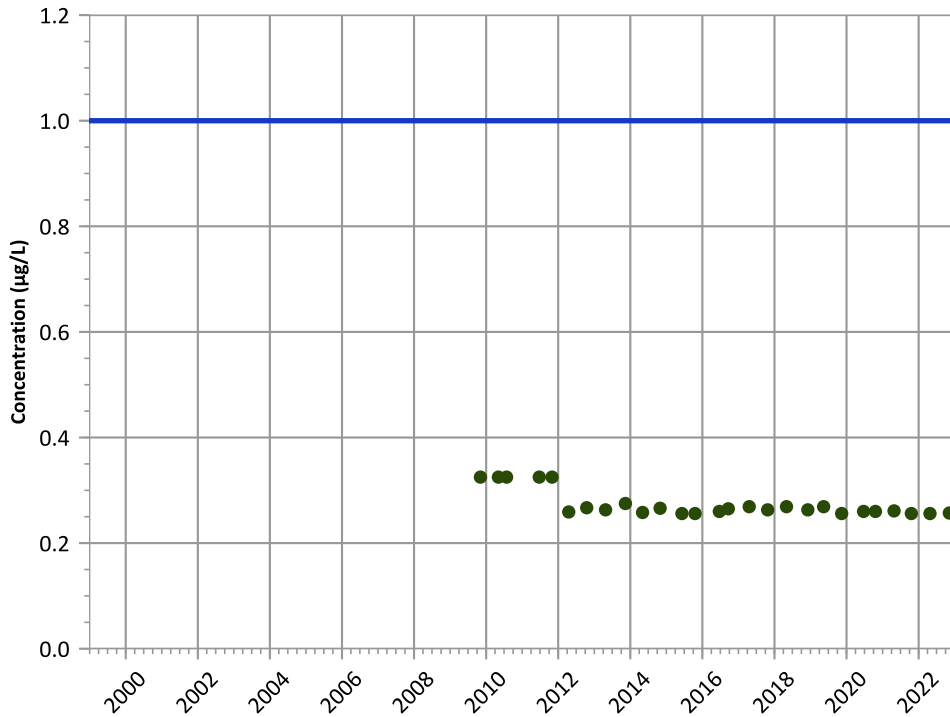
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**2,6-Dinitrotoluene Trend**



**Concentration Trend**

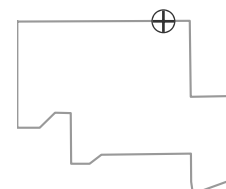
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

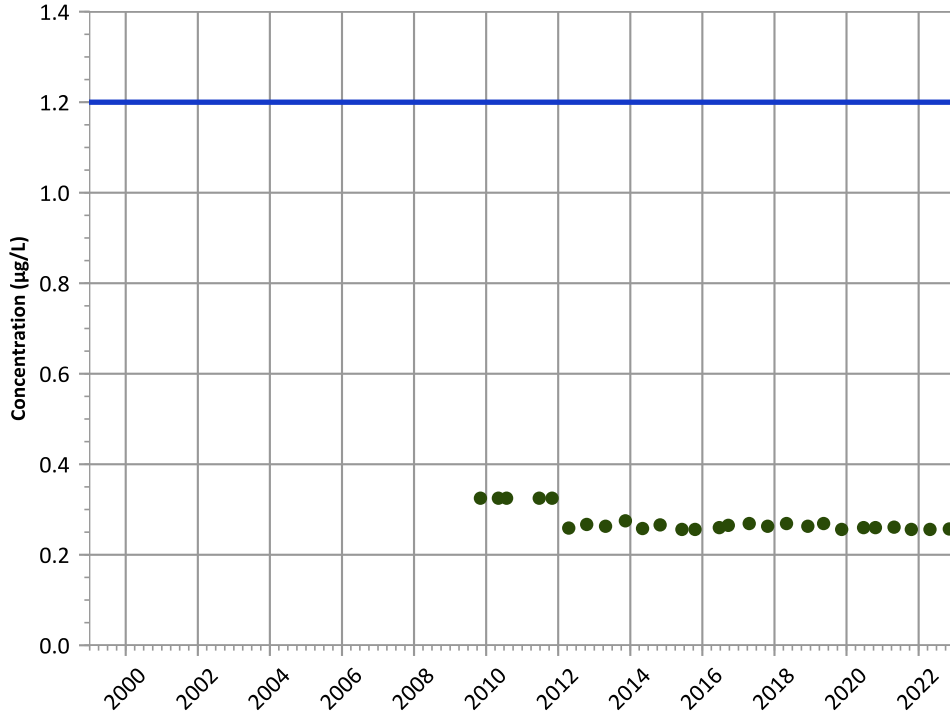


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

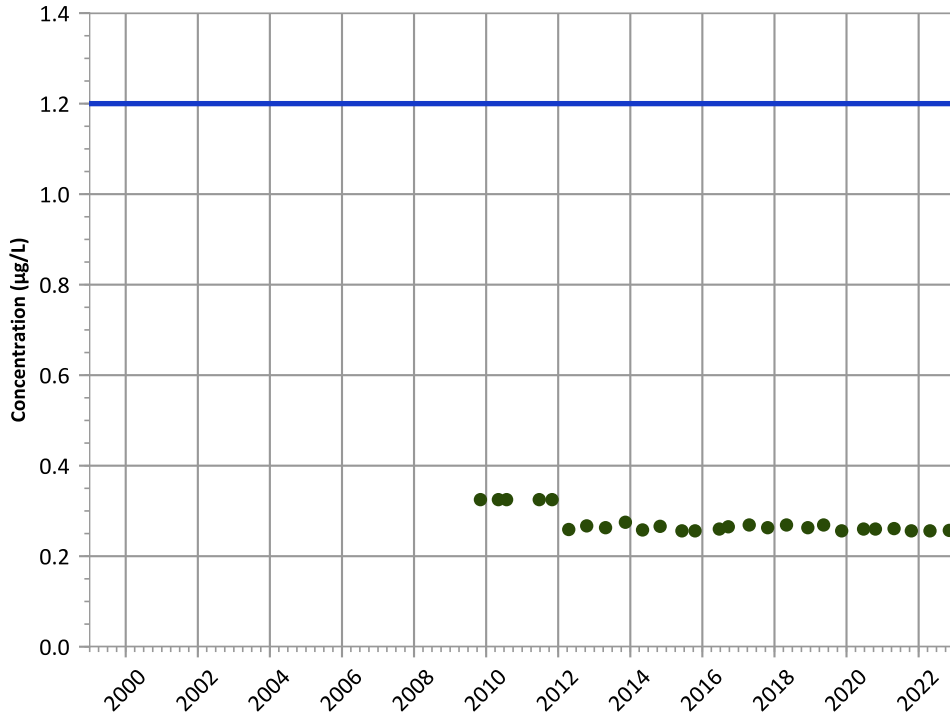
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

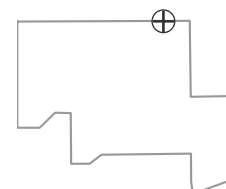
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

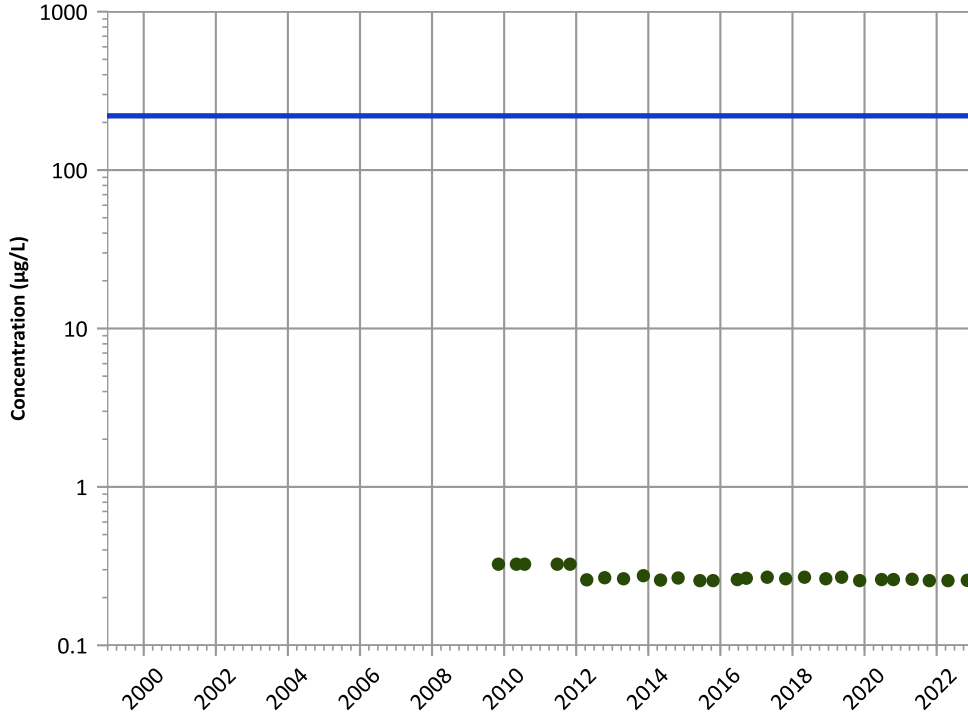
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

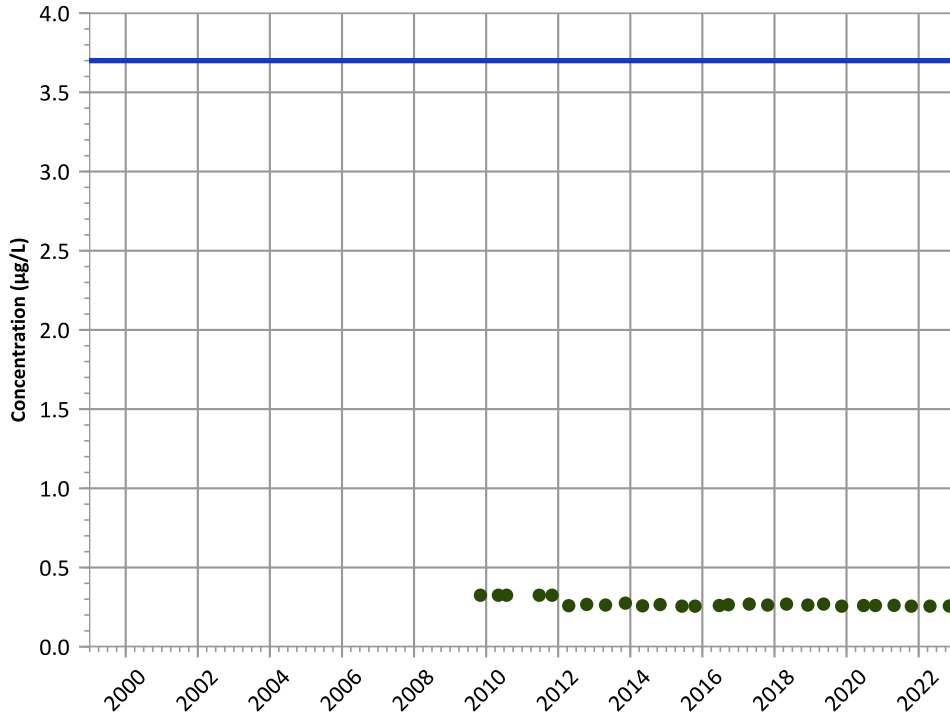
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

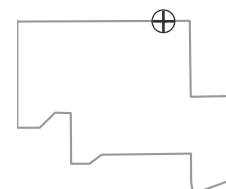
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

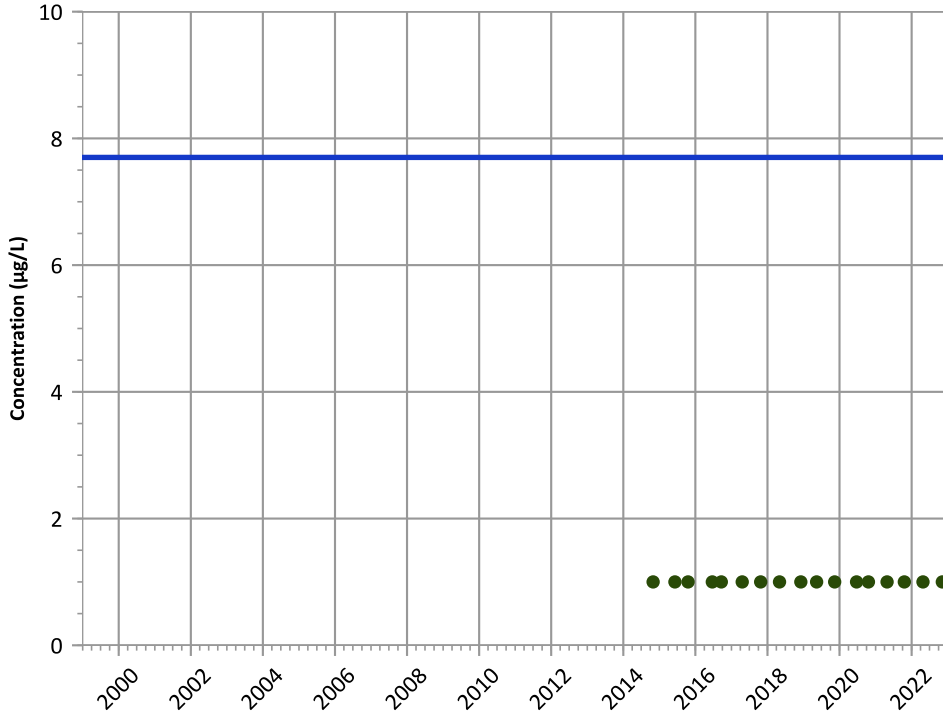


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

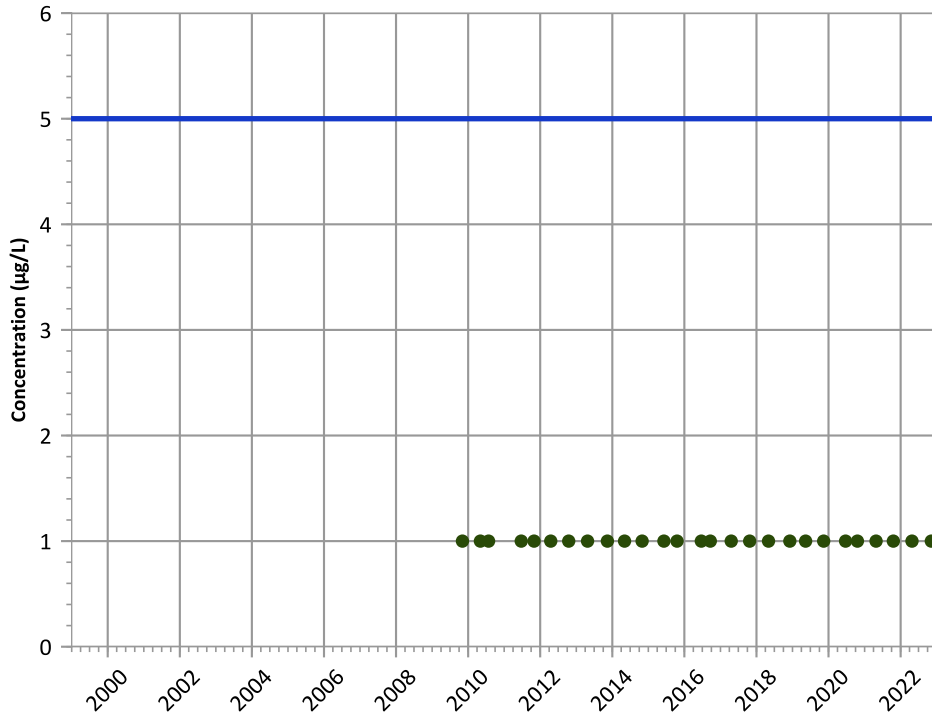
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

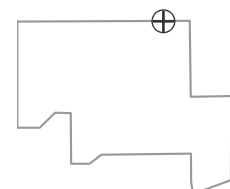
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

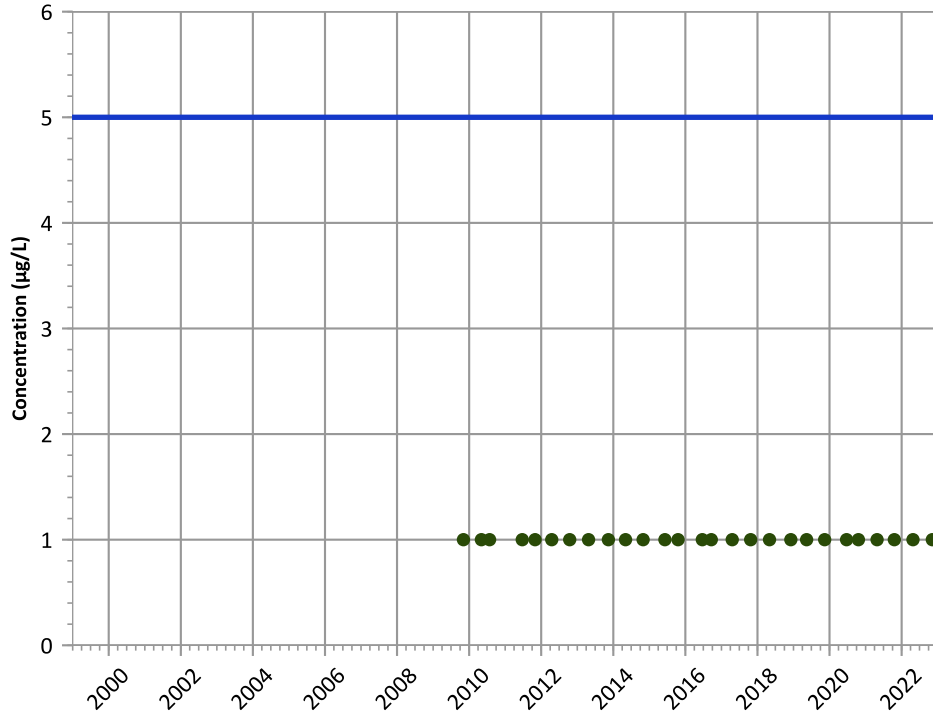
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

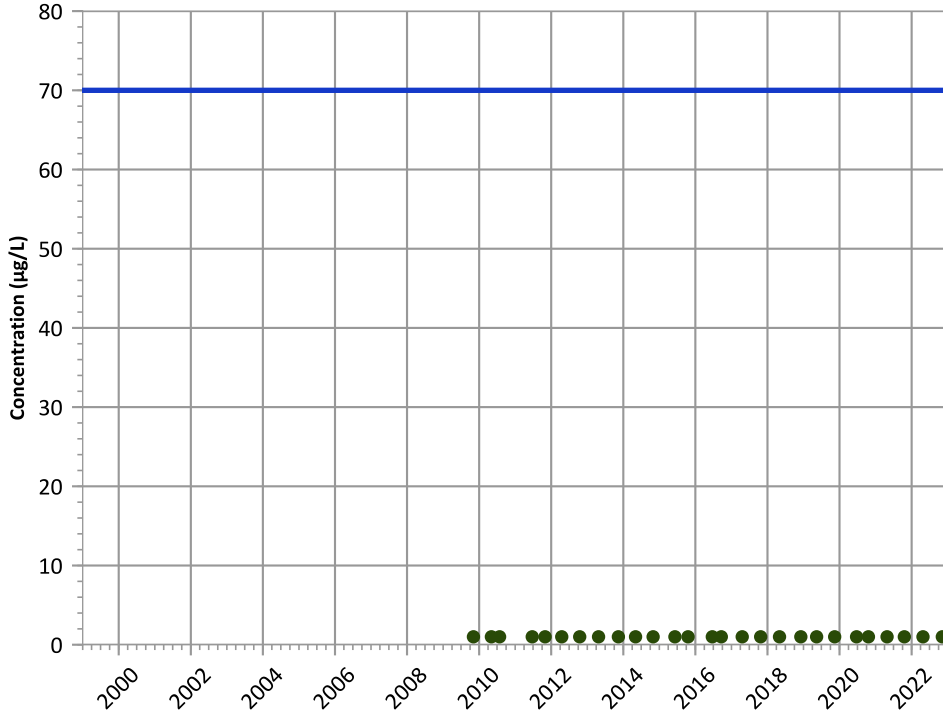
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

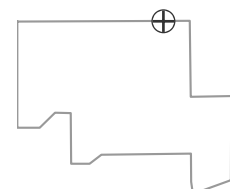
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

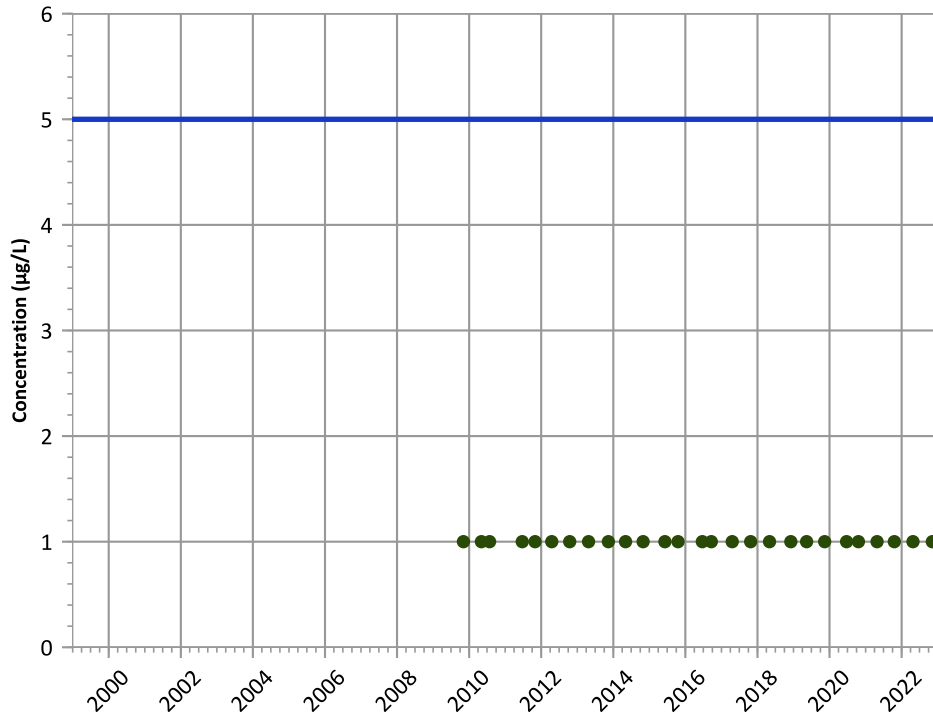
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

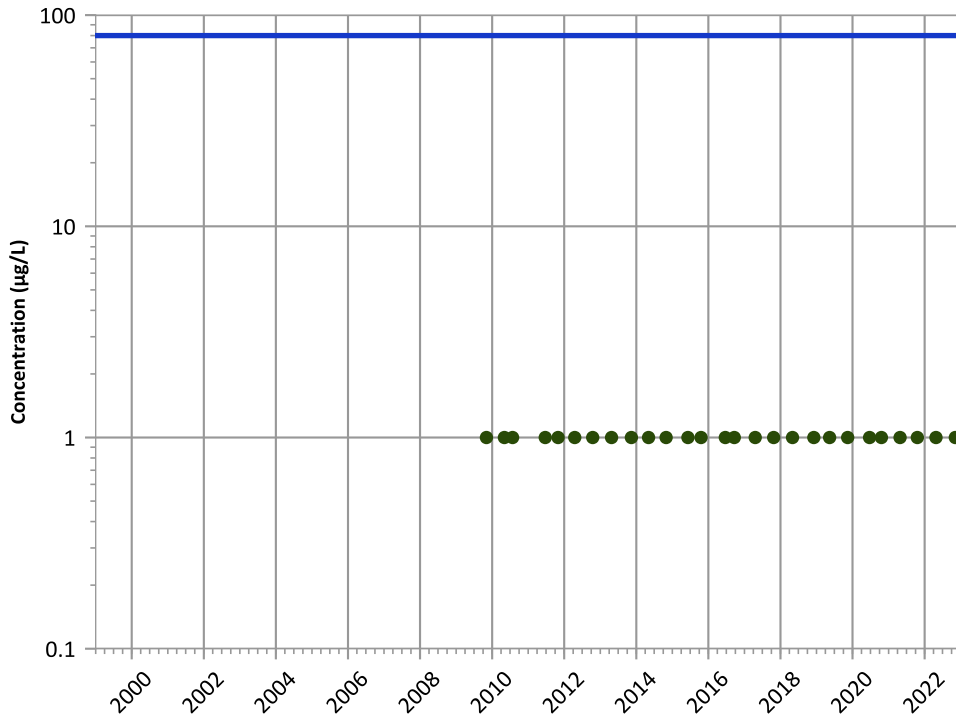
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

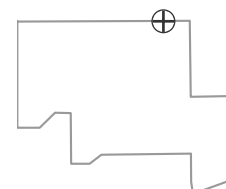
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

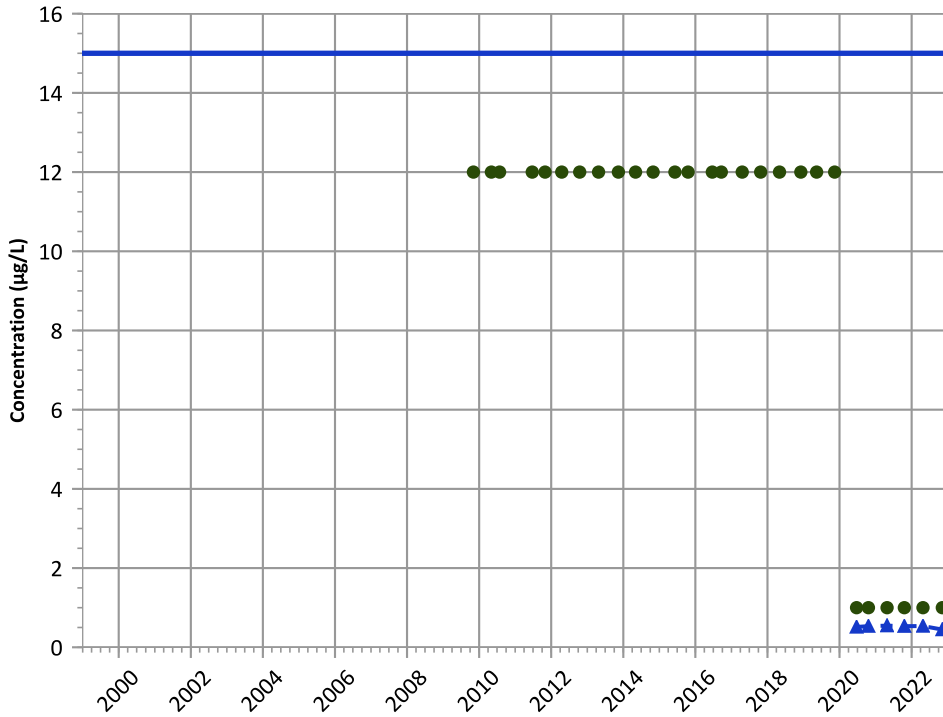


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard



**PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Decreasing

2020 - 2022 Data:  
Decreasing

Decreasing

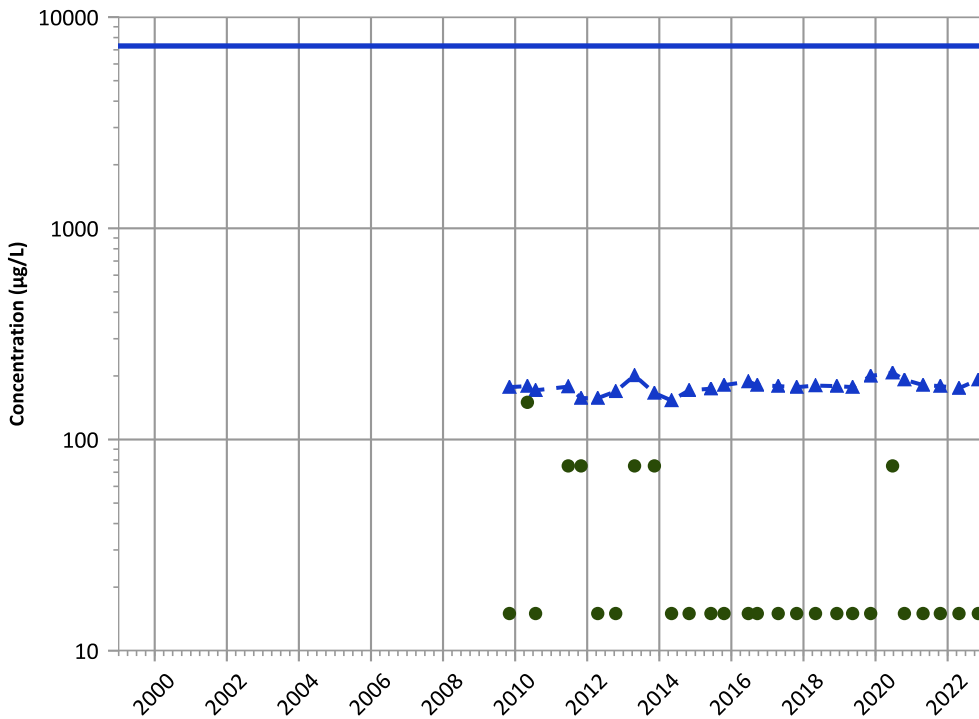
**MAROS Linear Regression Method**

All Data:  
Stable

2020 - 2022 Data:  
Probably Decreasing

Probably Decreasing

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data:  
Increasing

2020 - 2022 Data:  
Stable

Stable

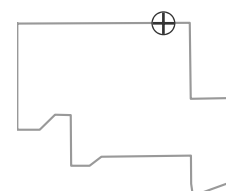
**MAROS Linear Regression Method**

All Data:  
Increasing

2020 - 2022 Data:  
No Trend

No Trend

**Well Location**

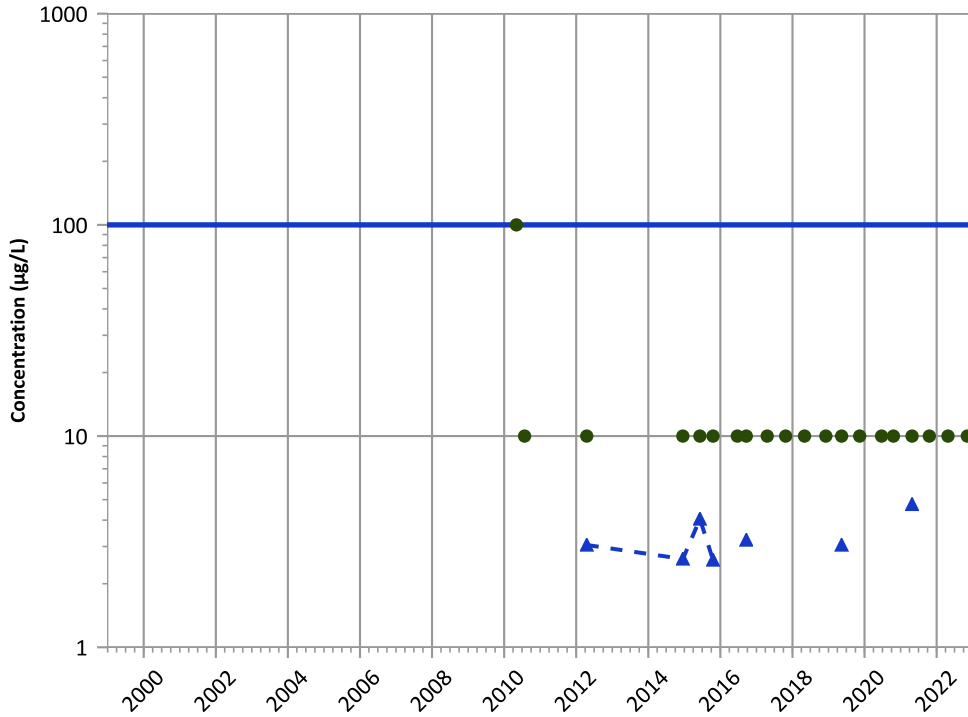


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

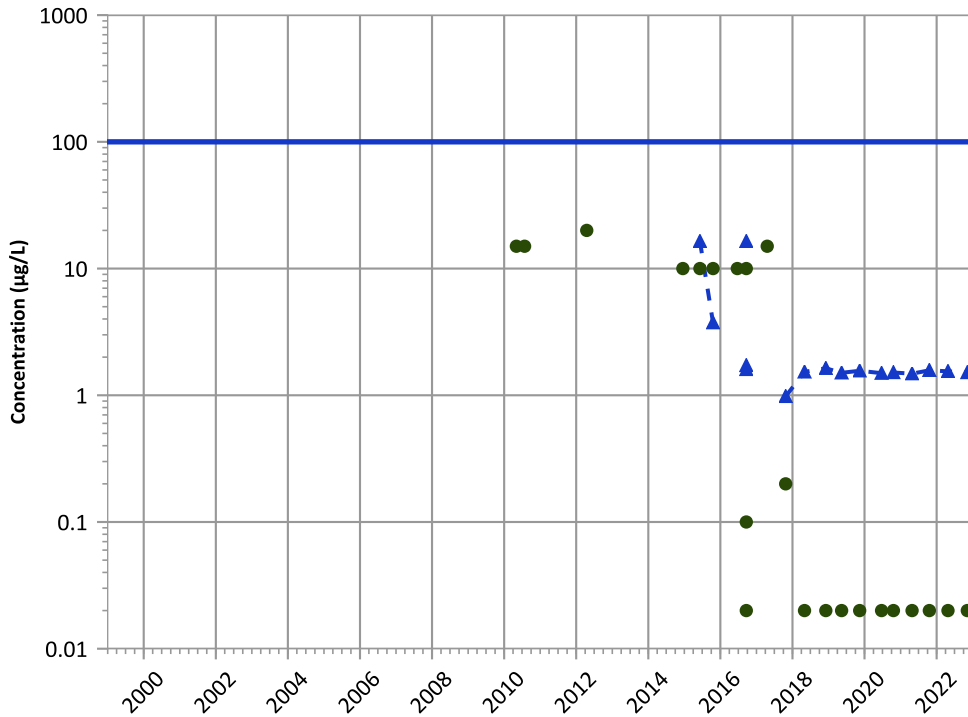
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Stable

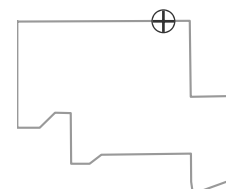
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

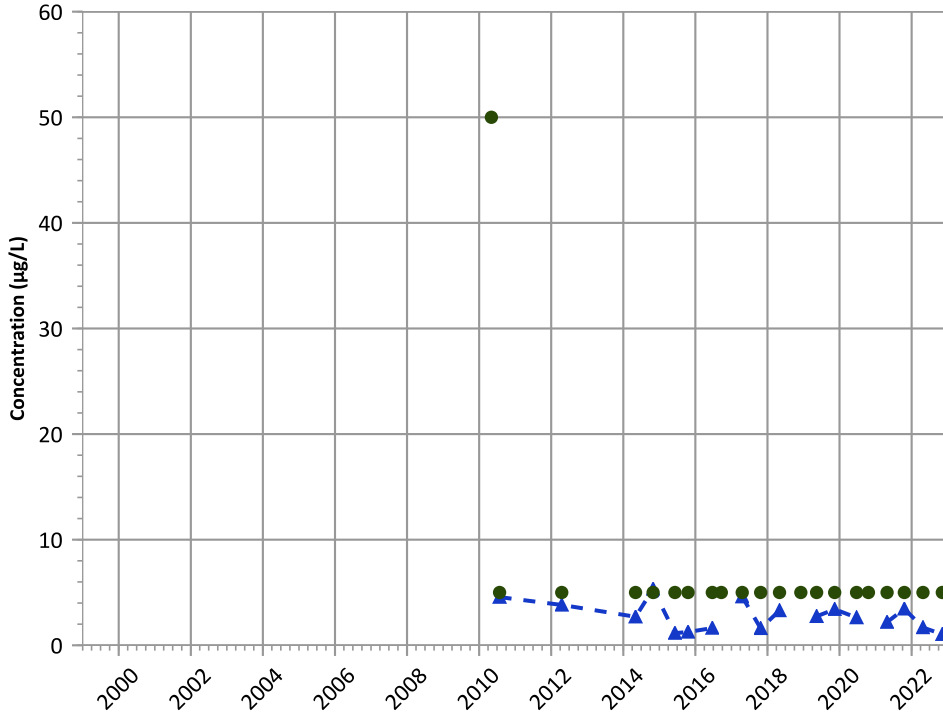
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

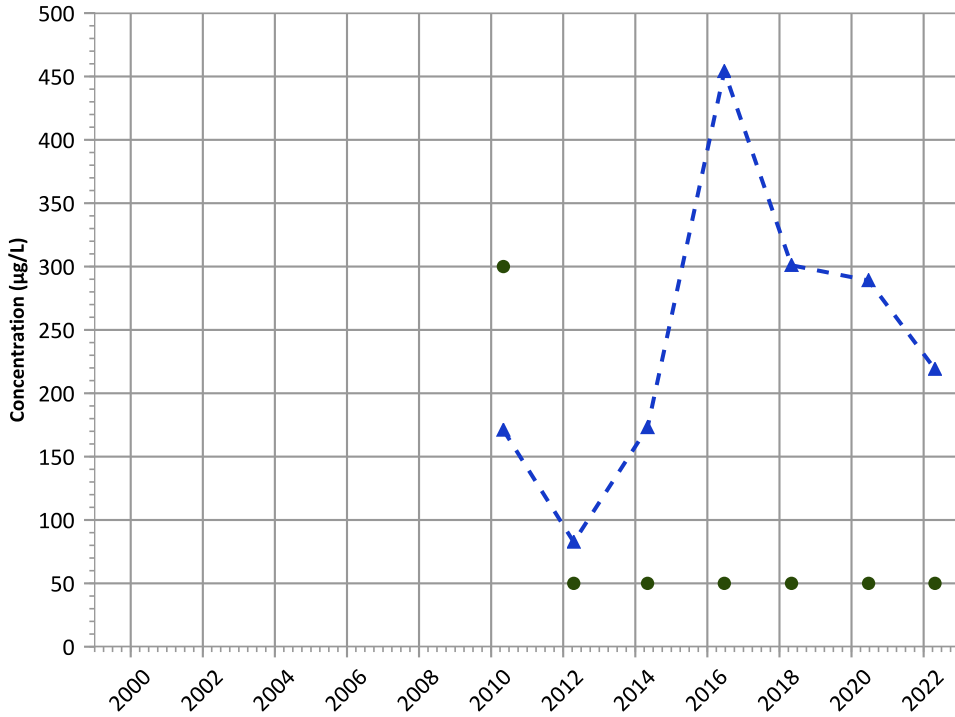
MAROS Linear Regression Method

All Data: Probably Decreasing

2020 - 2022 Data: Stable

Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend

2020 - 2022 Data: Decreasing

Decreasing

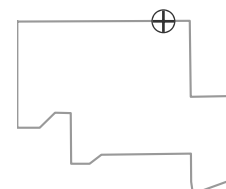
MAROS Linear Regression Method

All Data: No Trend

2020 - 2022 Data: Decreasing

Decreasing

Well Location

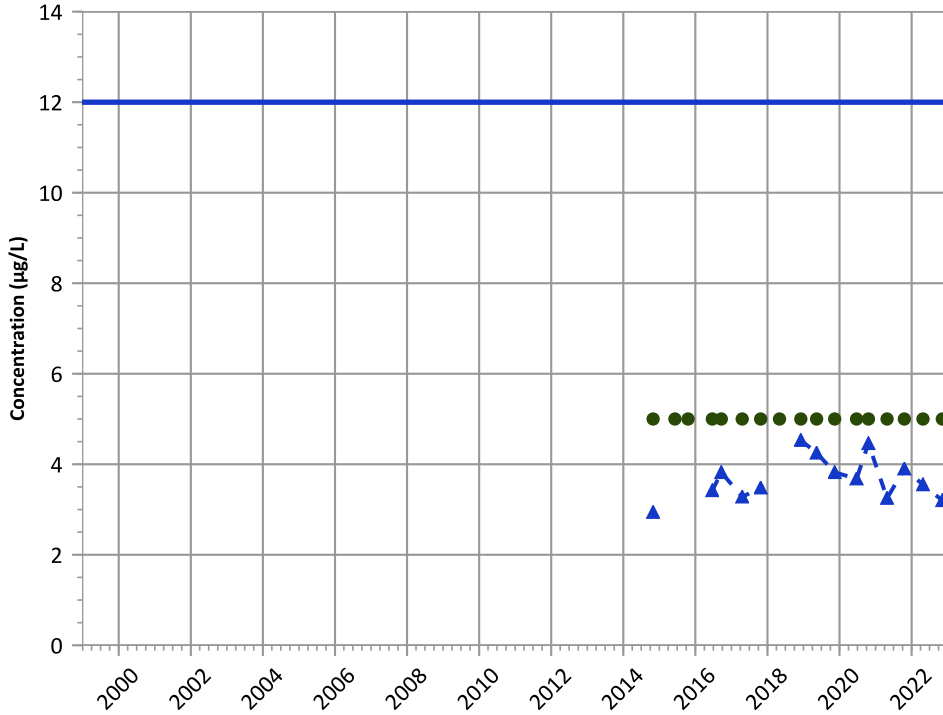


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

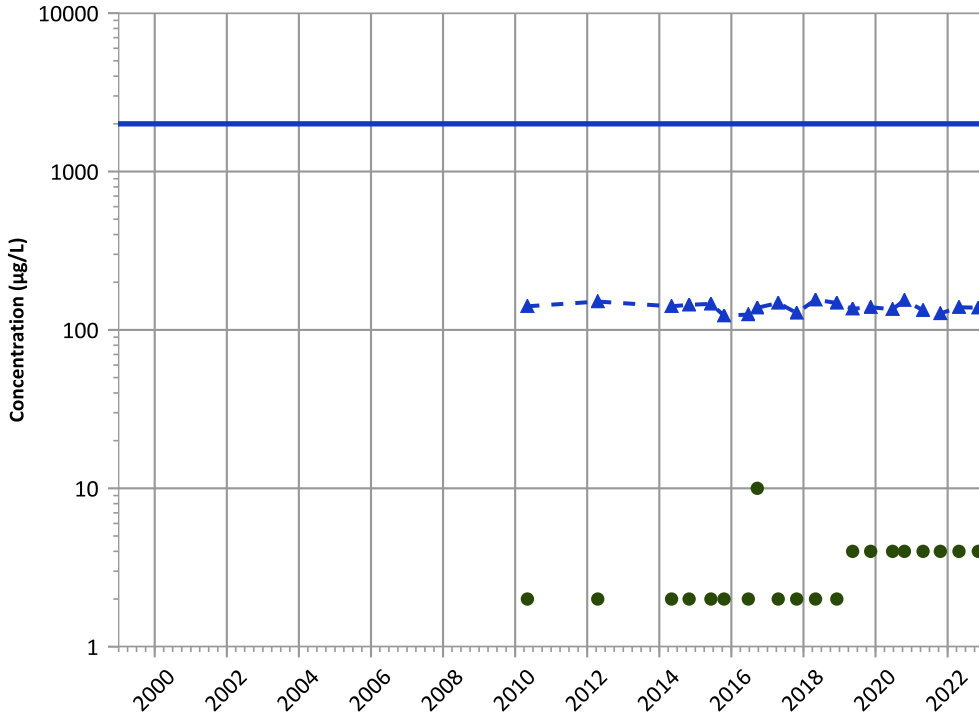
MAROS Mann-Kendall Method

All Data: Probably Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

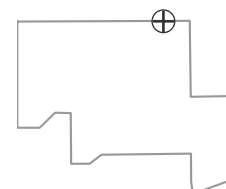
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

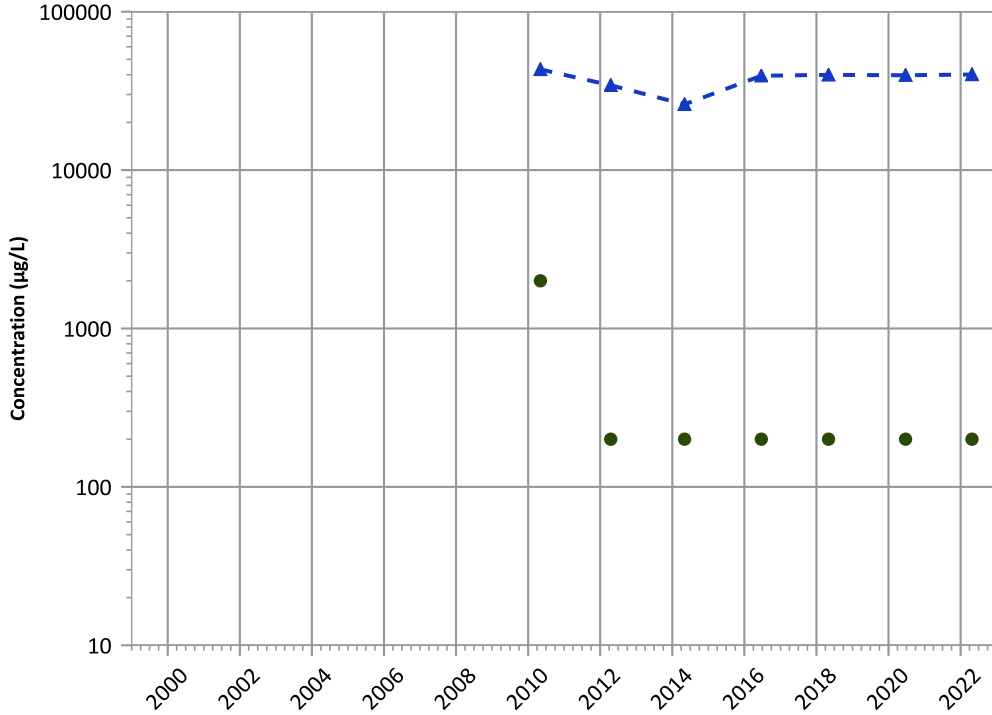
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

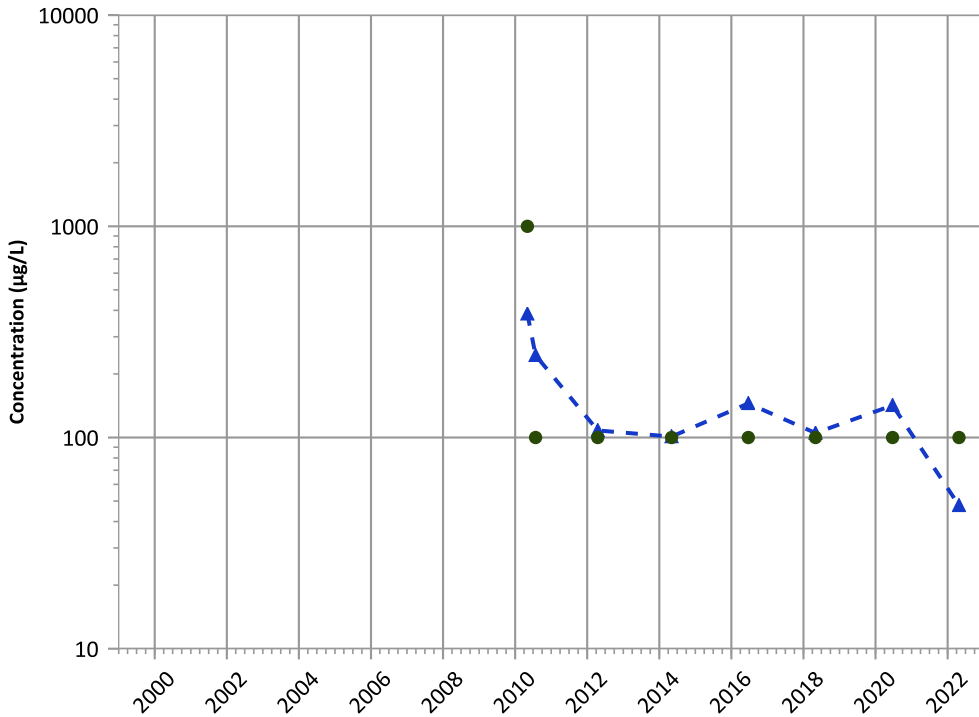
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: Decreasing

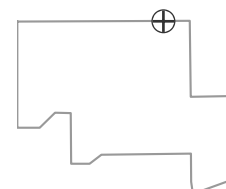
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

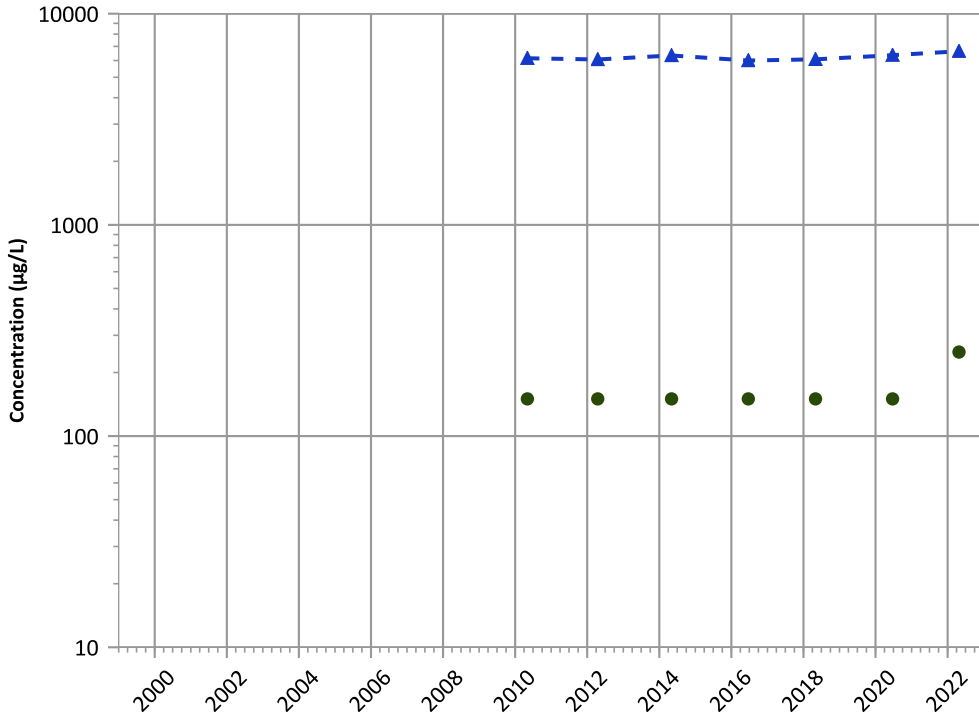
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

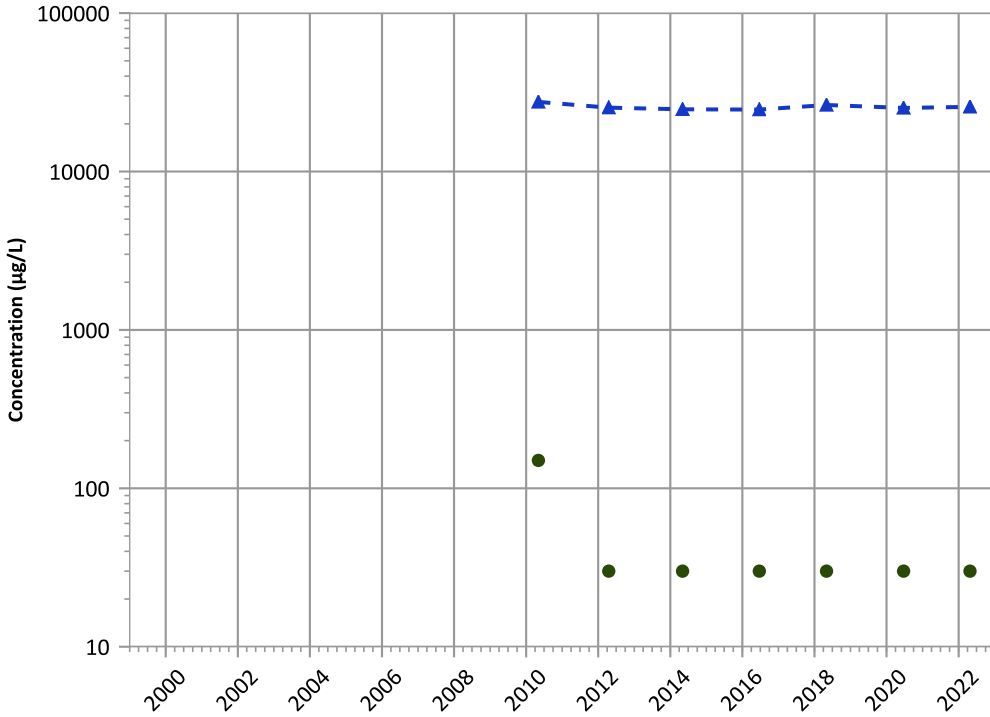
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Increasing

MAROS Linear Regression Method

All Data: Probably Increasing  
2020 - 2022 Data: Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

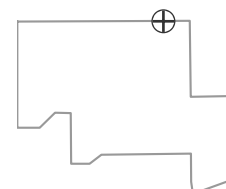
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

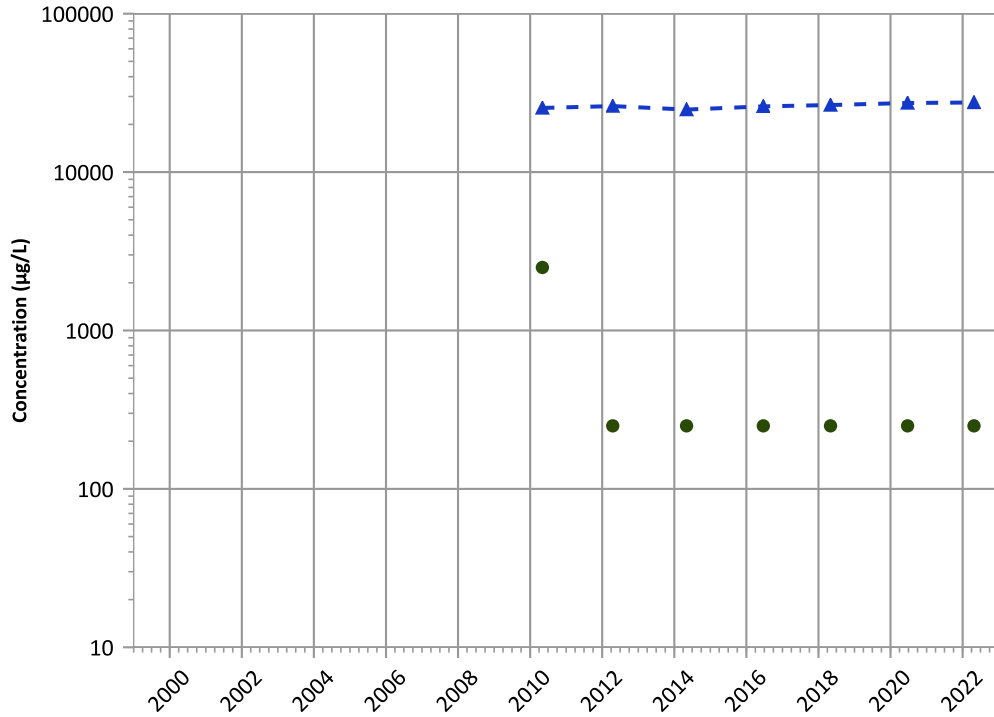
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1144 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
Increasing

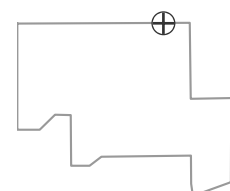
MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
Increasing

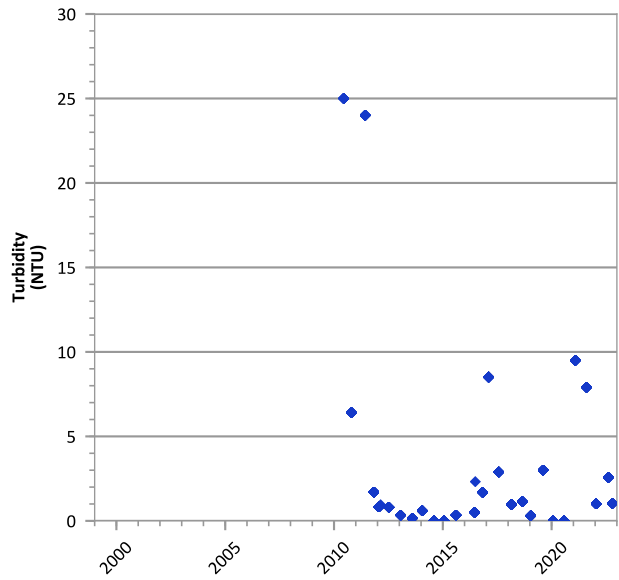
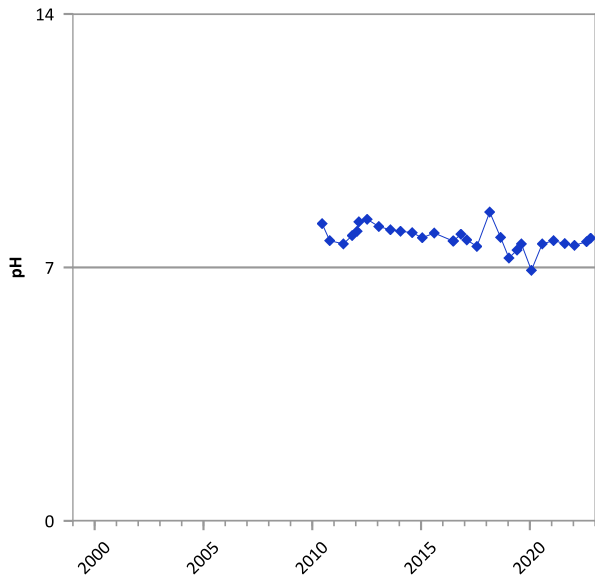
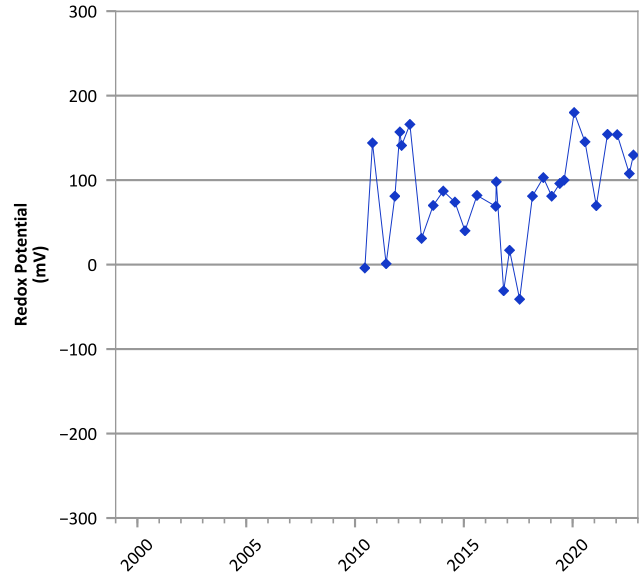
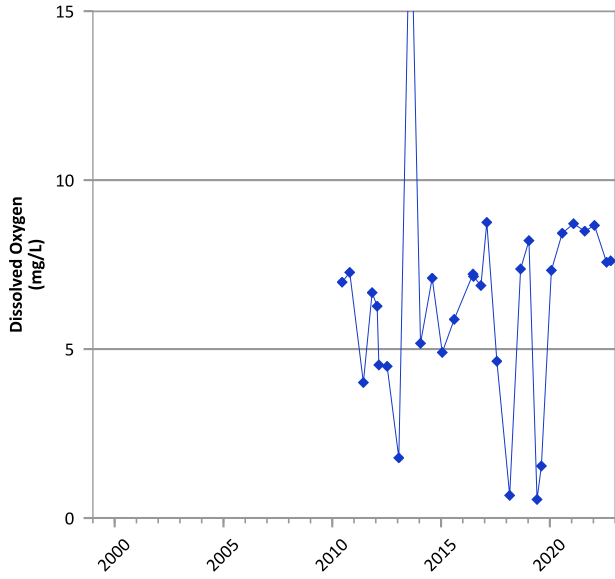
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 11/04/2009 to 11/08/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

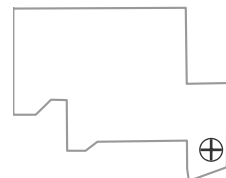


**PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/15/2010 to 10/18/2022  
 Analysis Date: 04/11/2023

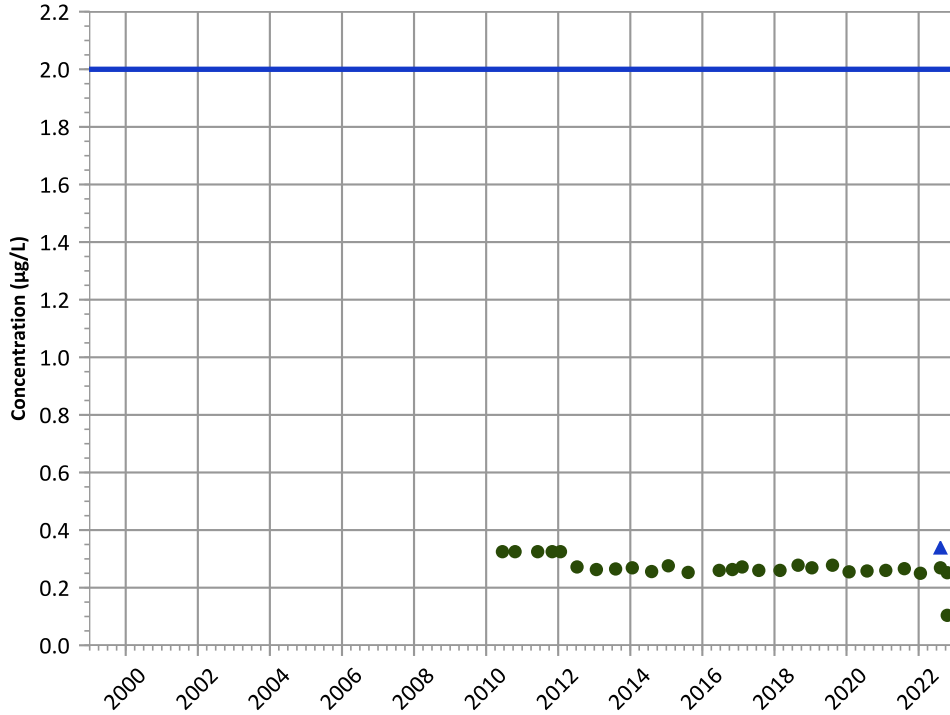
**Well Location**





PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

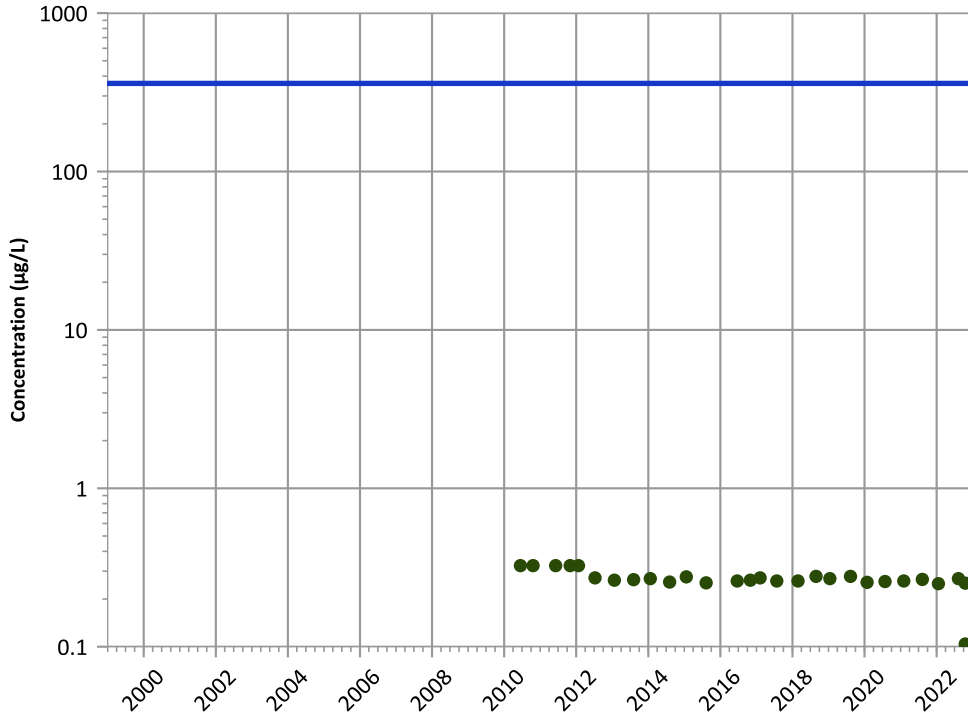
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

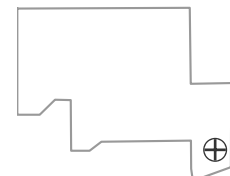
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

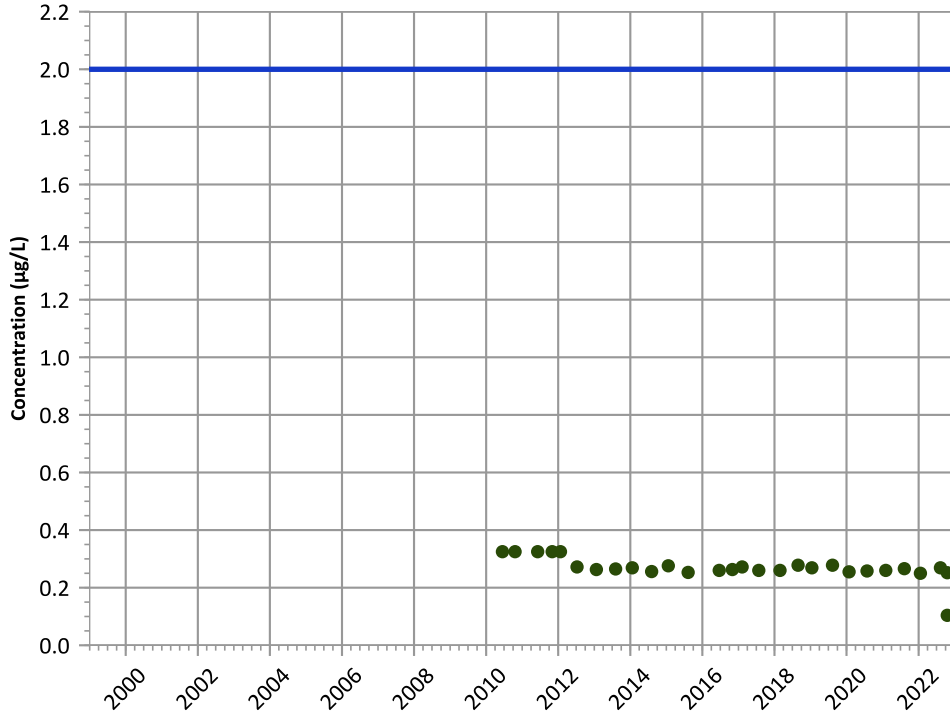
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

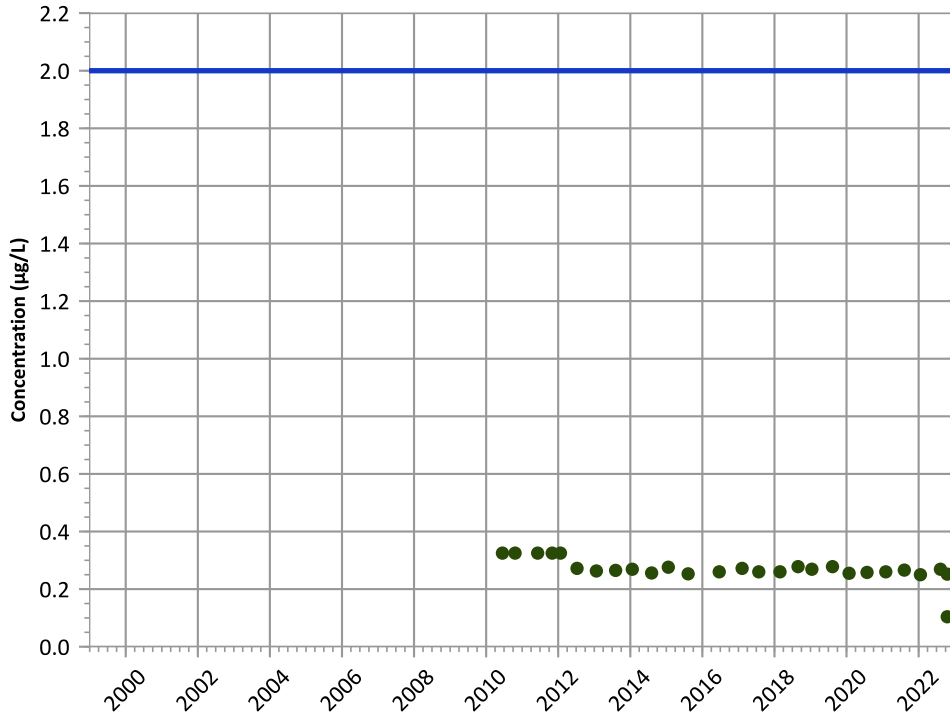
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

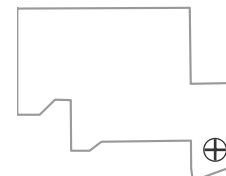
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

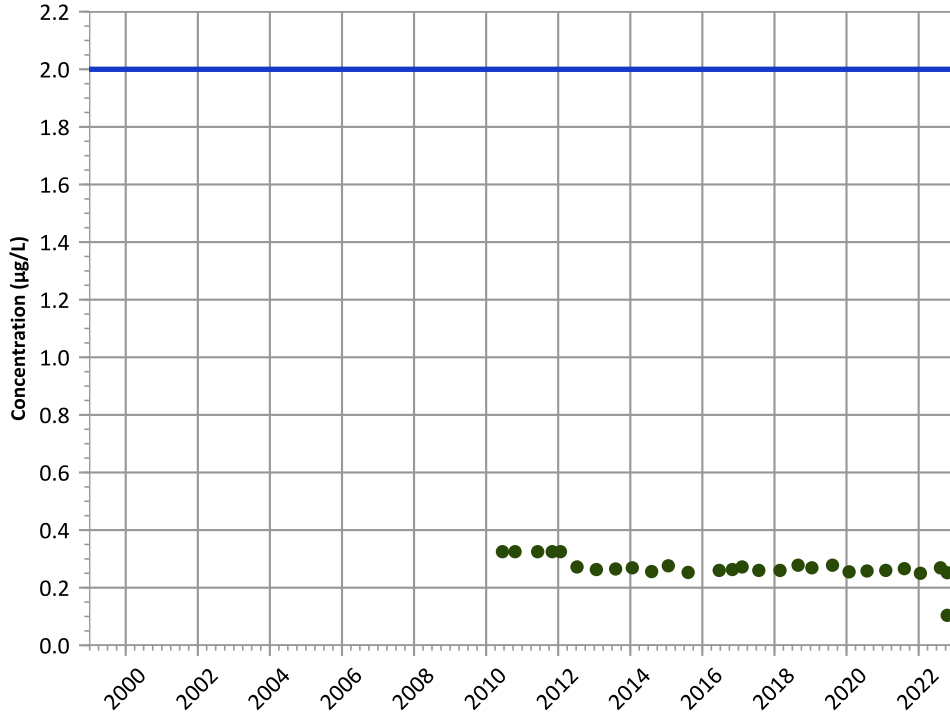
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

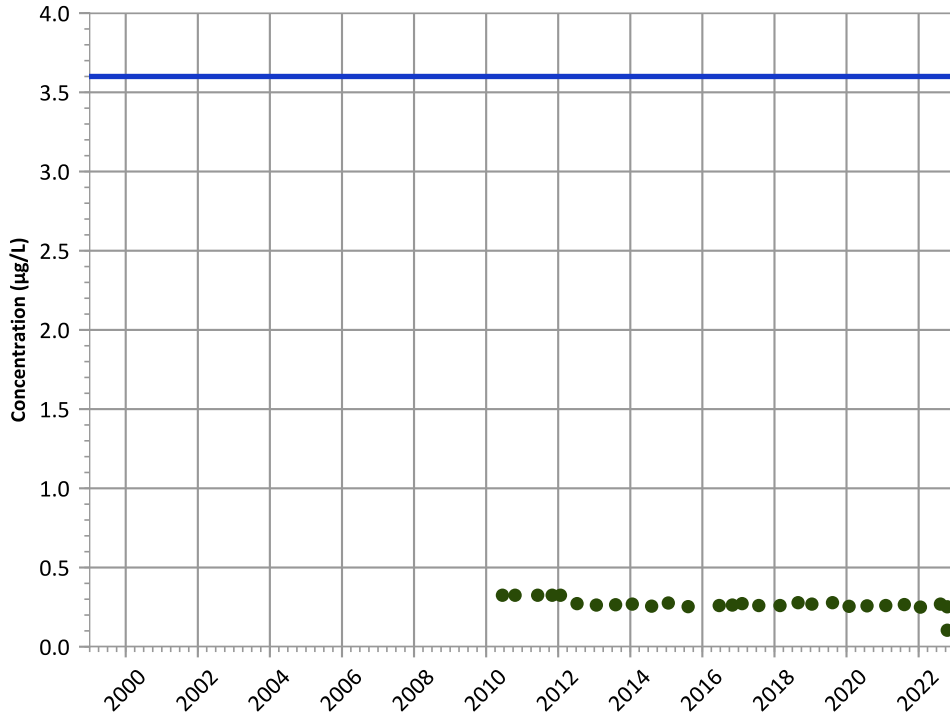
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

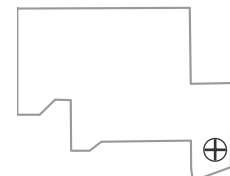
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

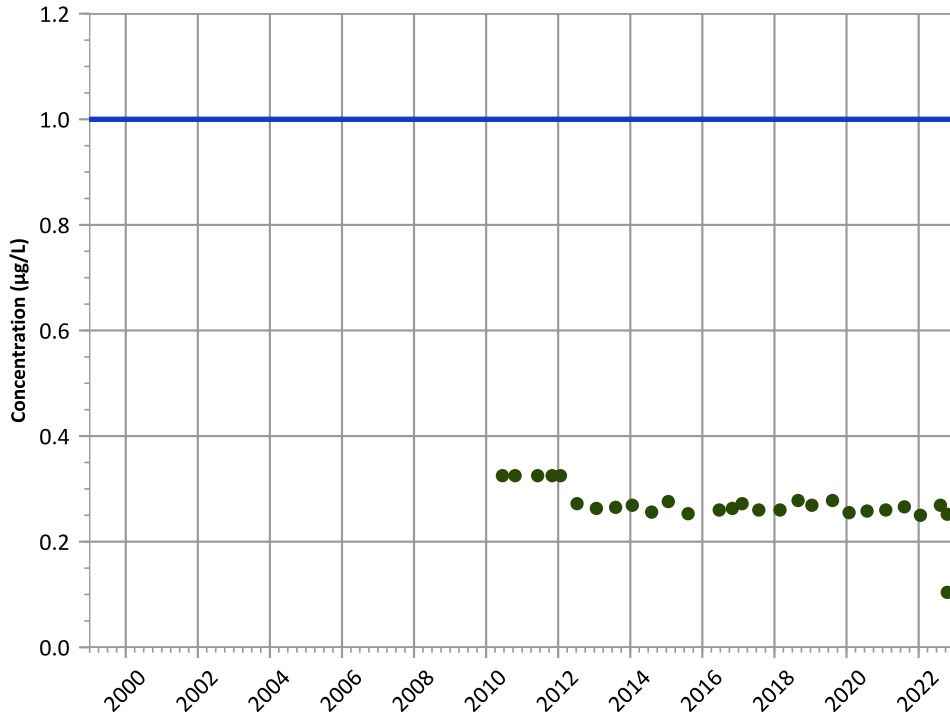


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

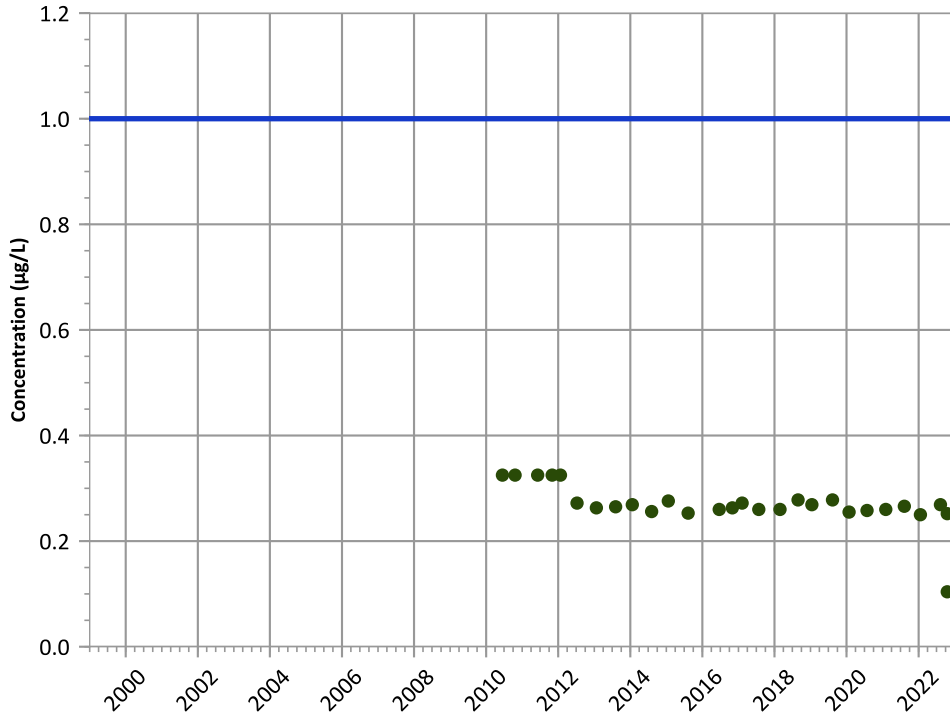
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

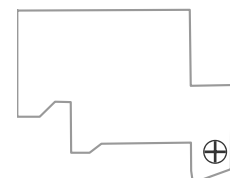
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

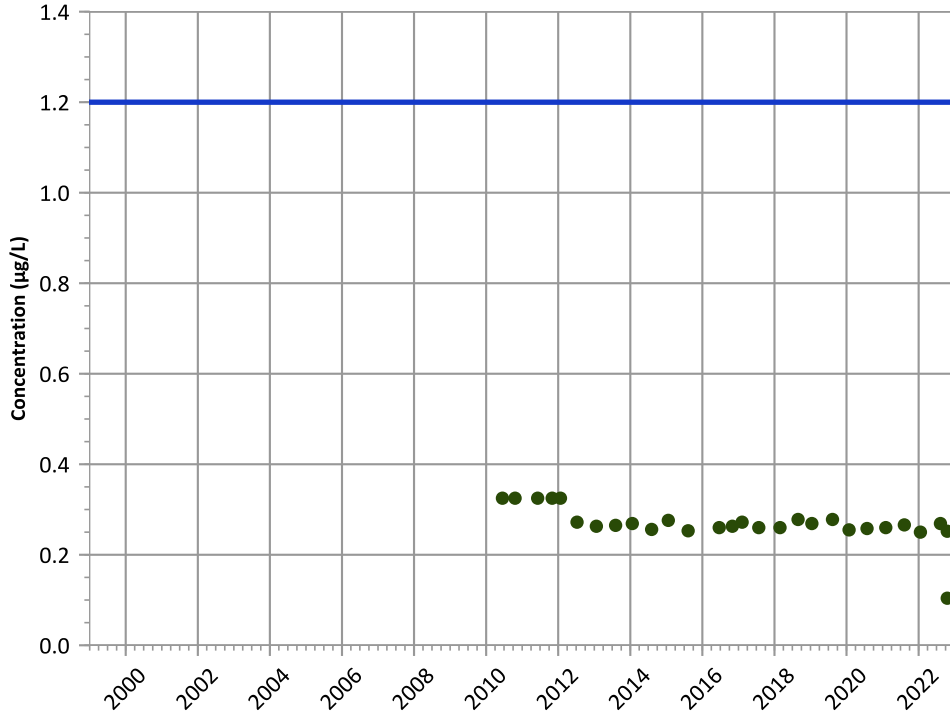


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

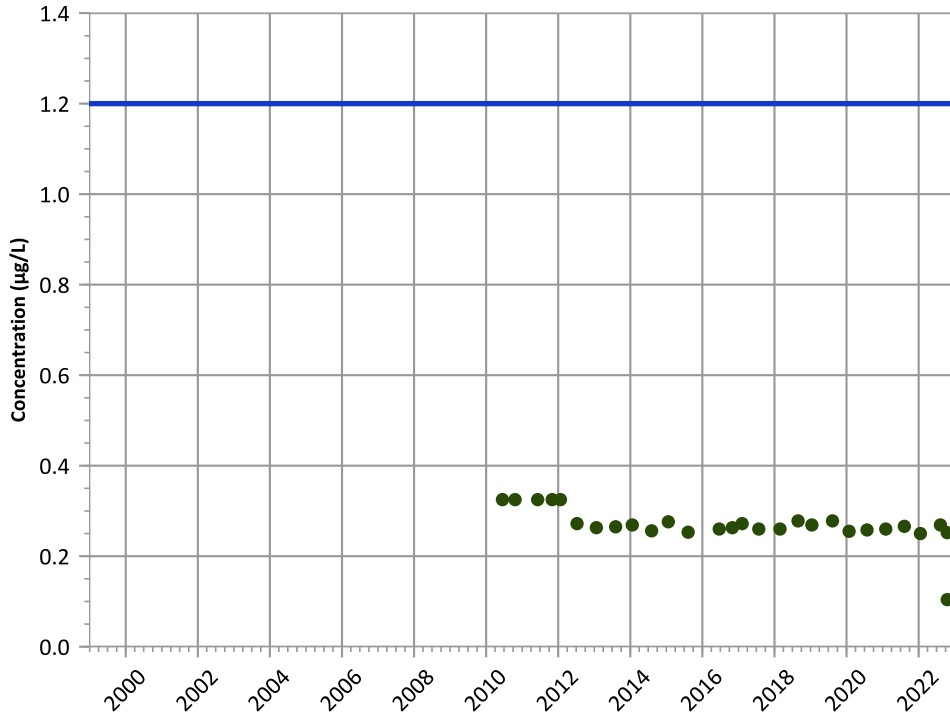
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

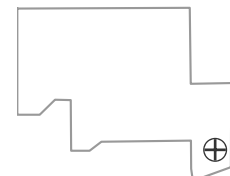
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

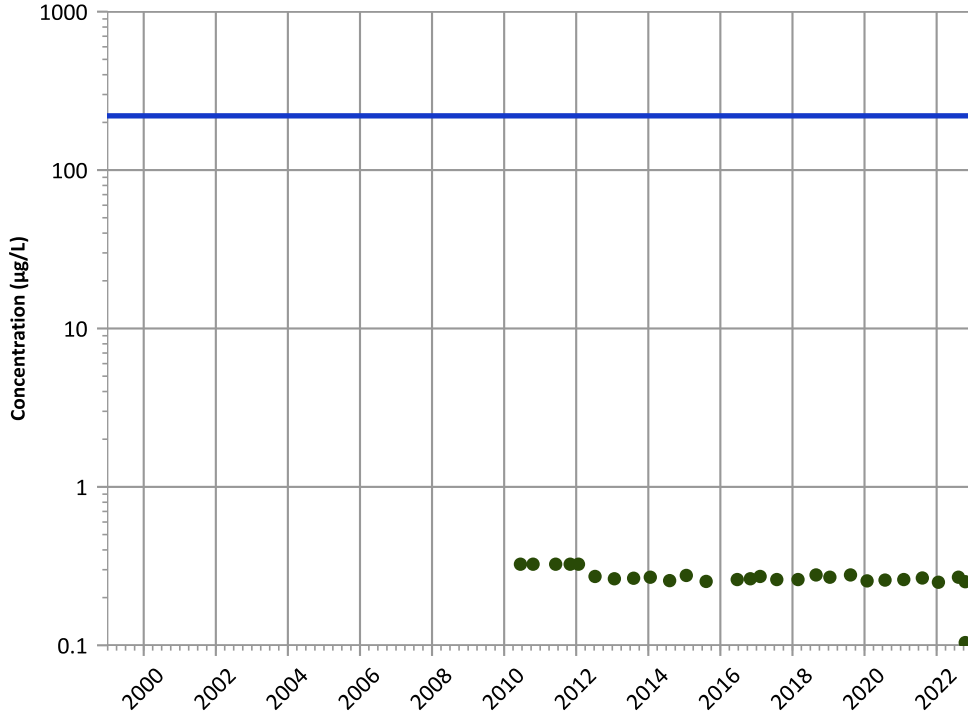


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

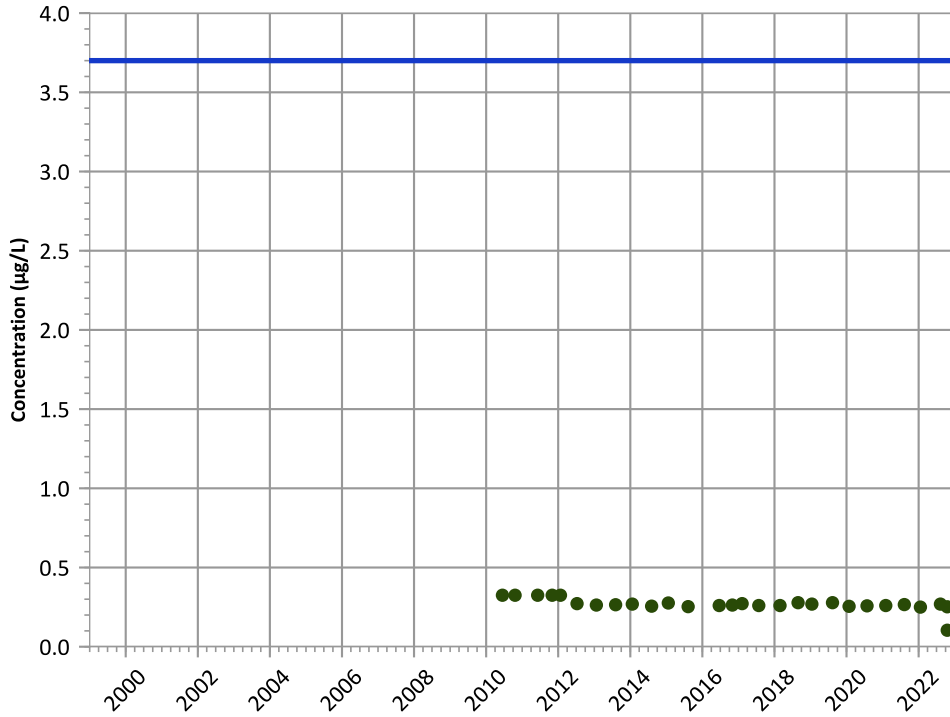
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

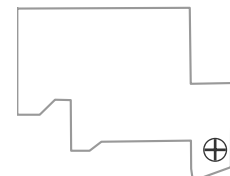
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

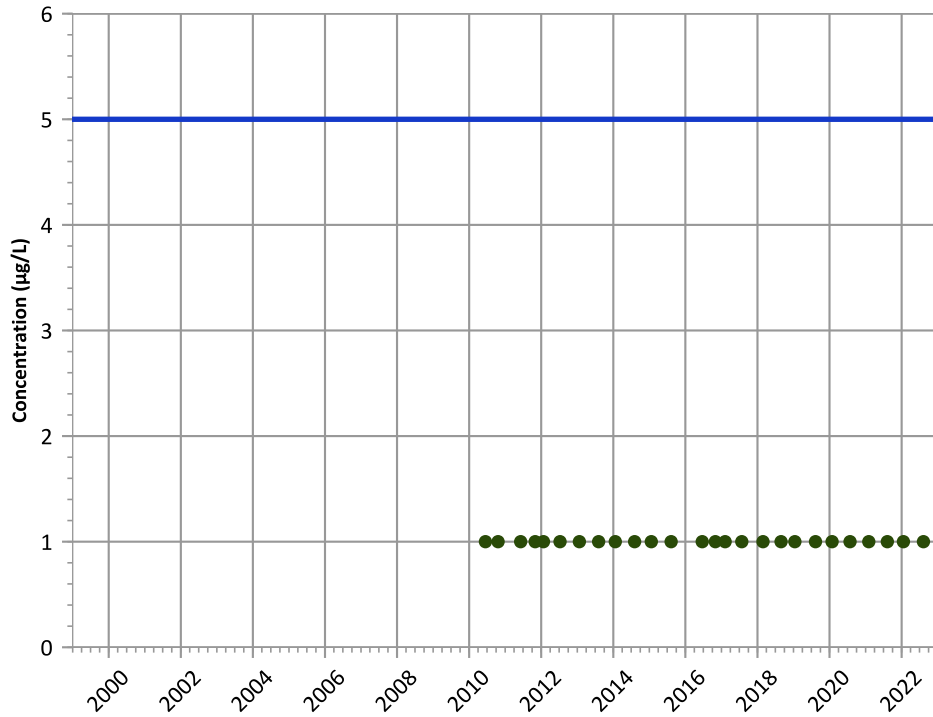
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Tetrachloroethylene (PCE) Trend**



**Concentration Trend**

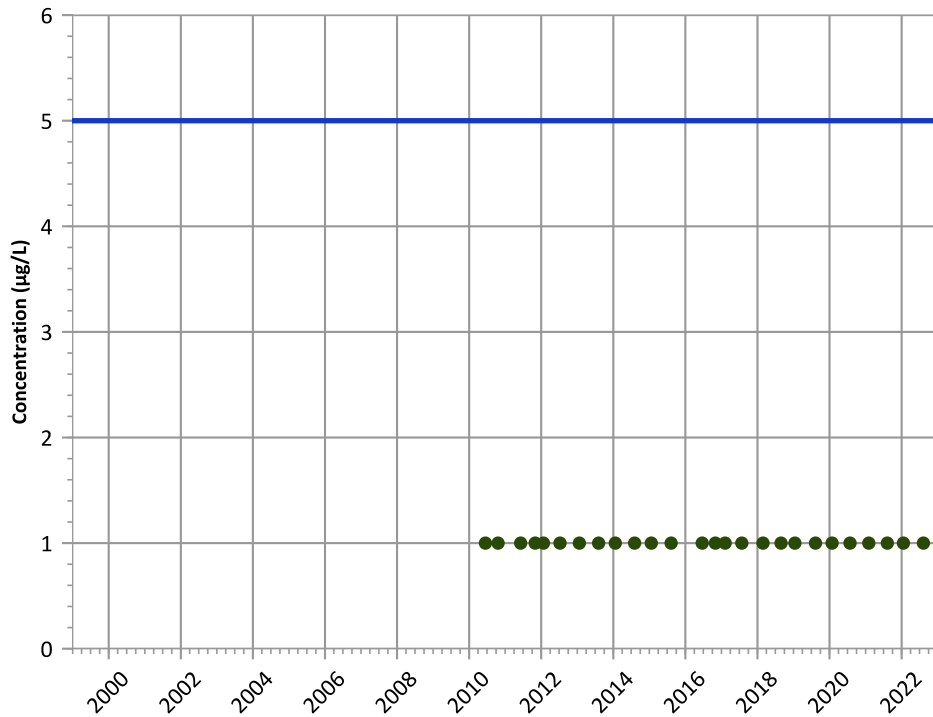
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Trichloroethene Trend**



**Concentration Trend**

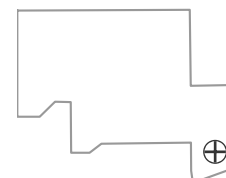
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

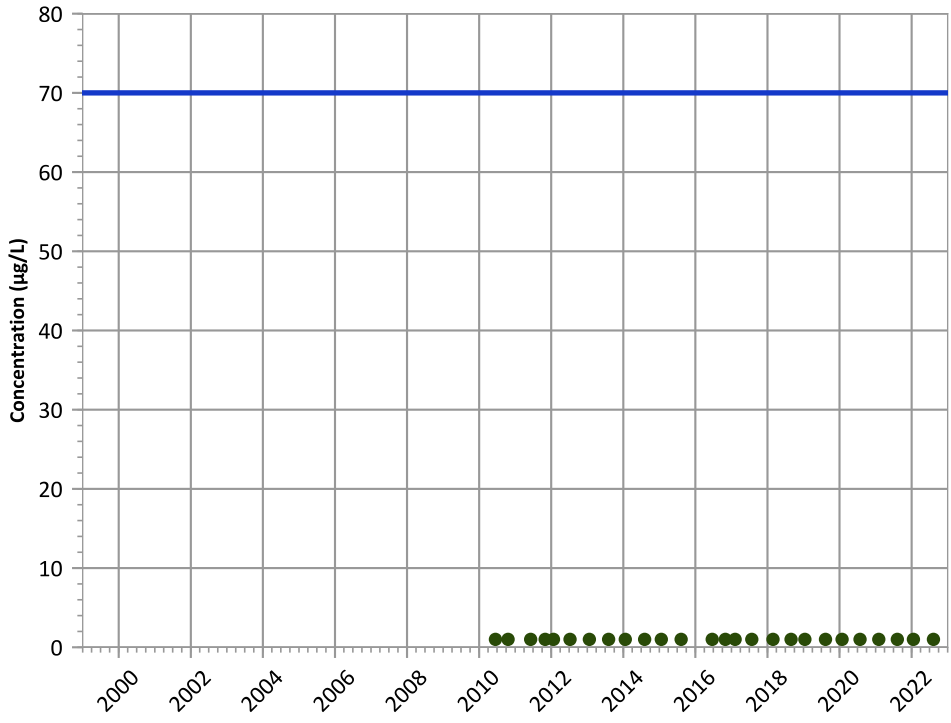
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
cis-1,2-Dichloroethene Trend**



**Concentration Trend**

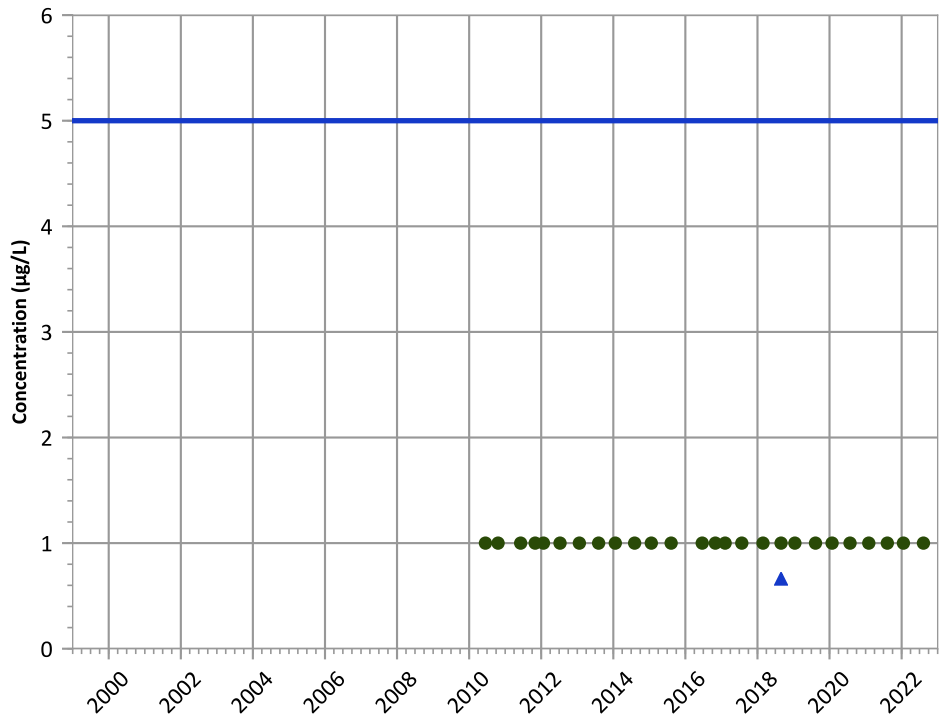
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**1,2-Dichloroethane Trend**



**Concentration Trend**

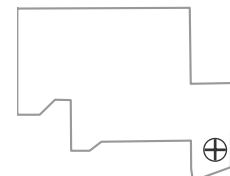
**MAROS Mann-Kendall Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

**Well Location**

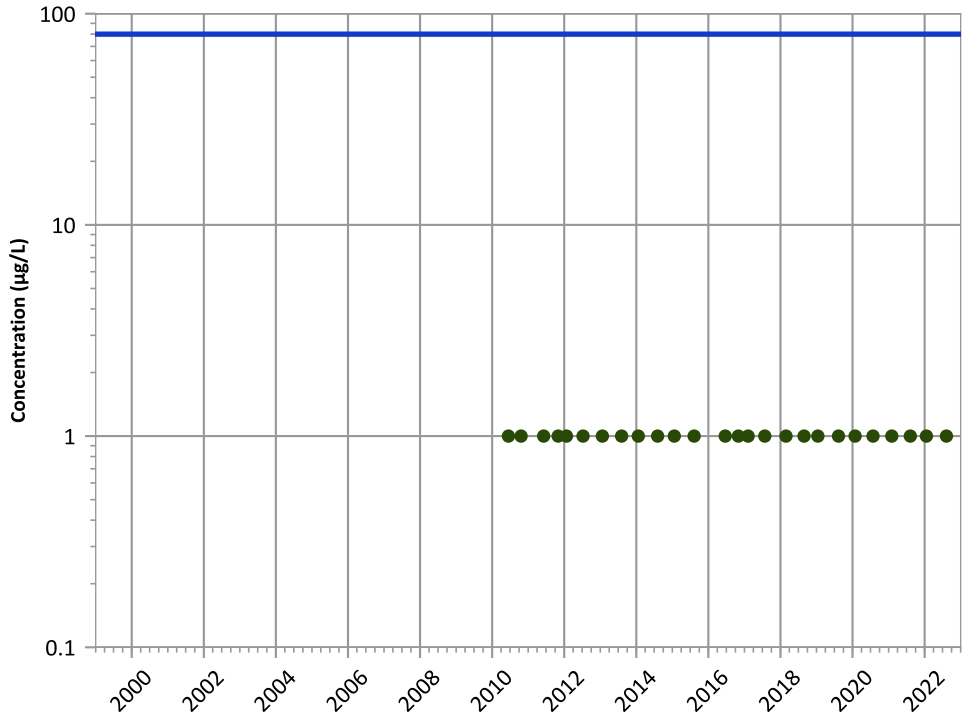


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

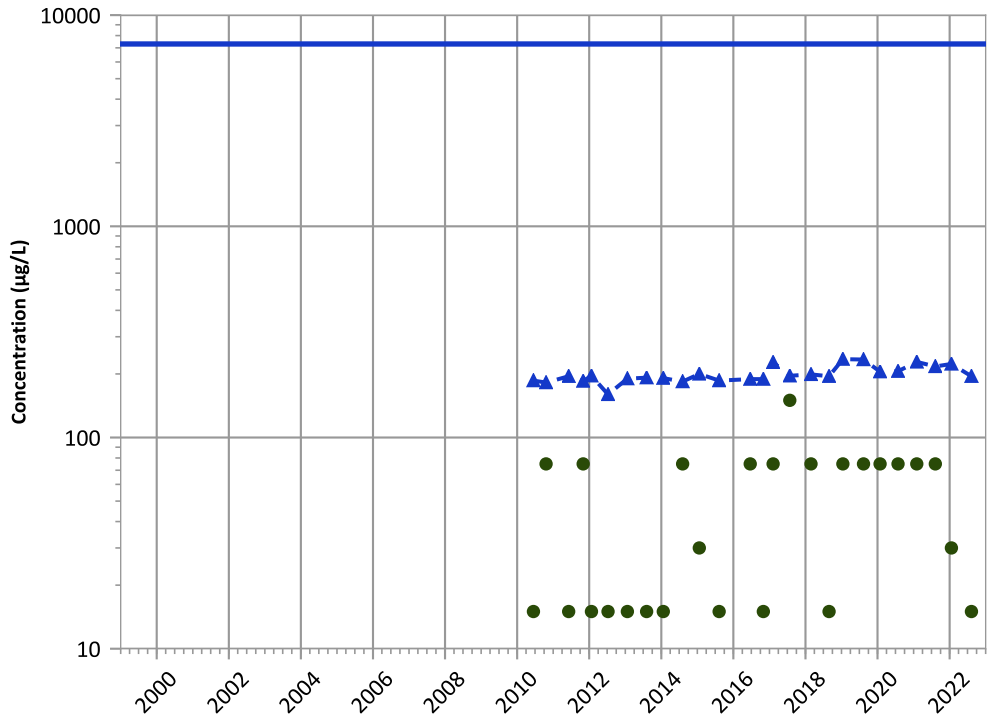


**PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chloroform Trend**



**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 All Data: All Non-Detect  
 2020 - 2022 Data: All Non-Detect  
**MAROS Linear Regression Method**  
 All Data: All Non-Detect  
 2020 - 2022 Data: All Non-Detect

**Boron Trend**

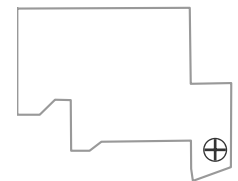


**Concentration Trend**  
**MAROS Mann-Kendall Method**  
 All Data: Increasing  
 2020 - 2022 Data: Decreasing  
**MAROS Linear Regression Method**  
 All Data: Increasing  
 2020 - 2022 Data: Stable

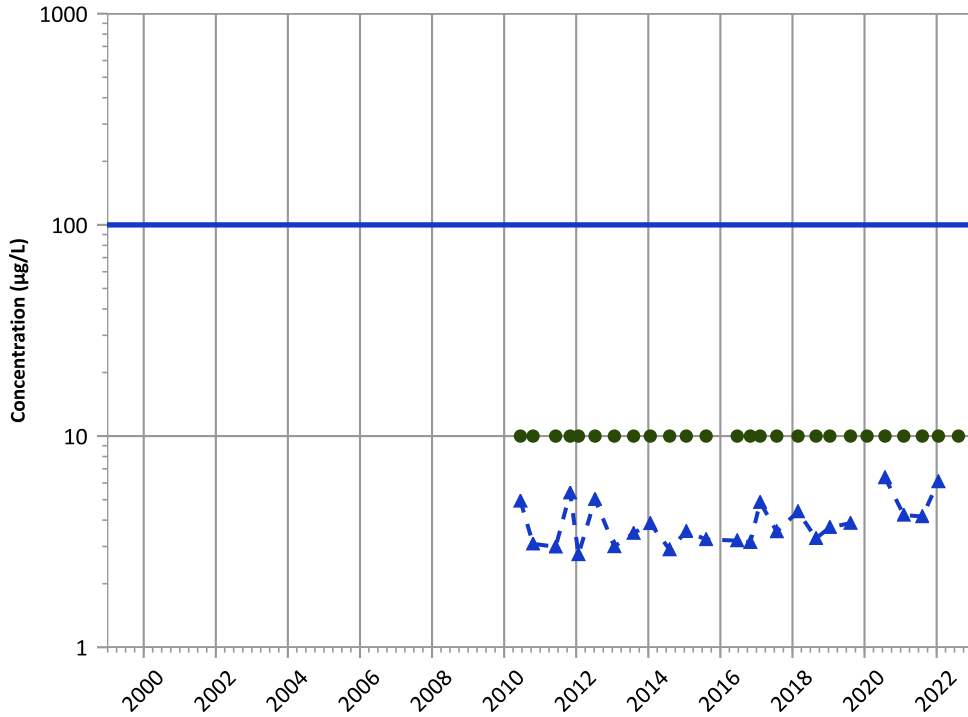
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 06/15/2010 to 10/18/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



**PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Chromium, Total Trend**



**Concentration Trend**

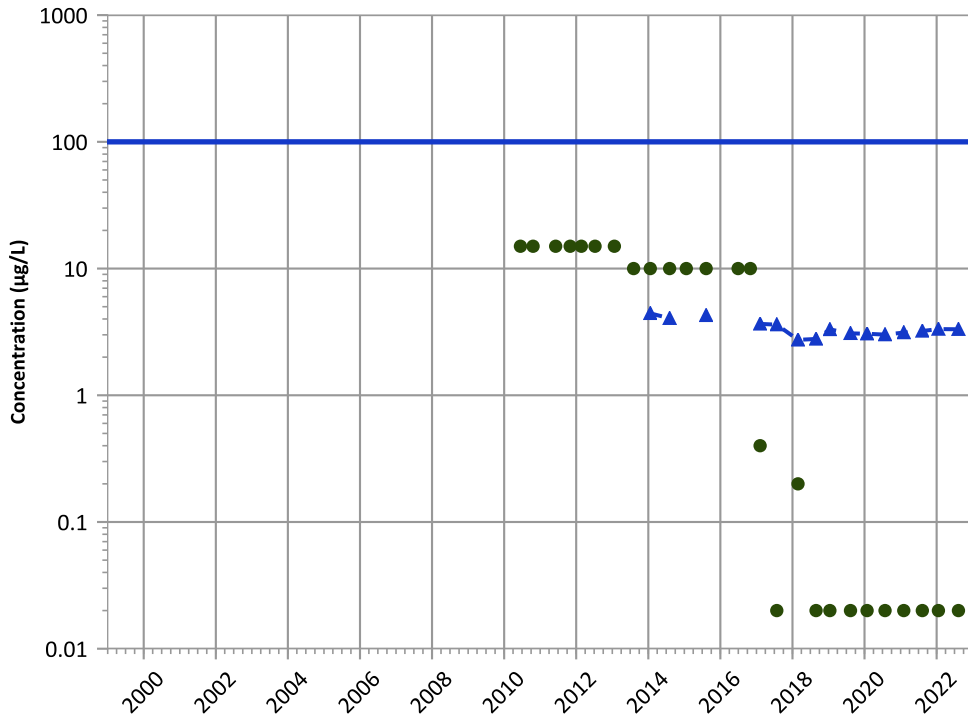
**MAROS Mann-Kendall Method**

All Data: Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data: Increasing  
2020 - 2022 Data: Stable

**Chromium, Hexavalent Trend**



**Concentration Trend**

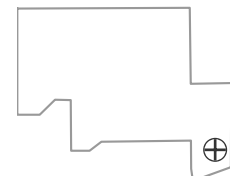
**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: No Trend

**MAROS Linear Regression Method**

All Data: Decreasing  
2020 - 2022 Data: Probably Increasing

**Well Location**

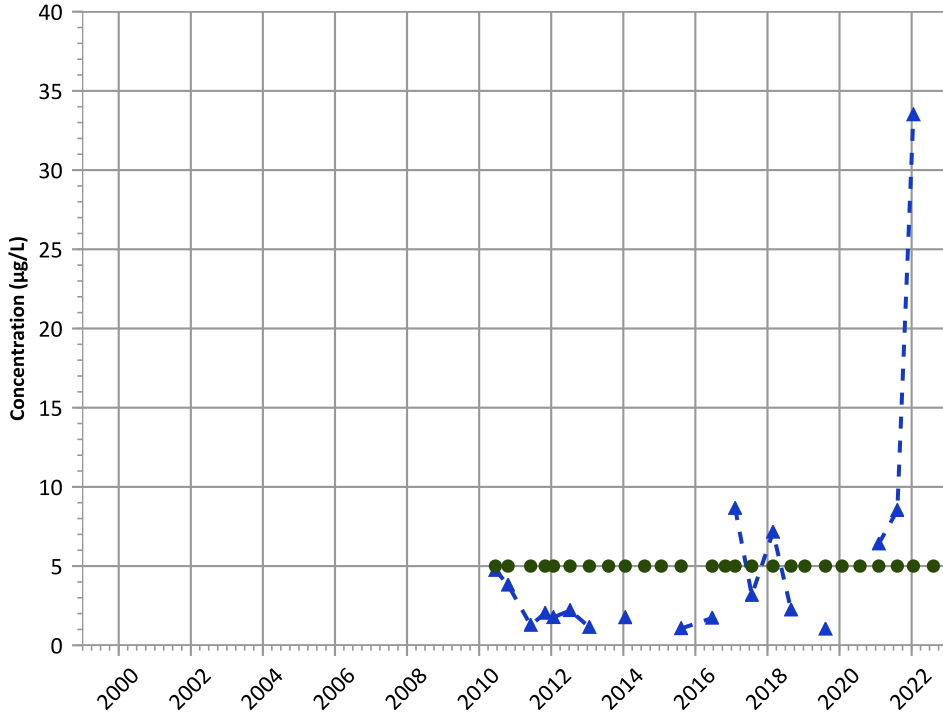


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

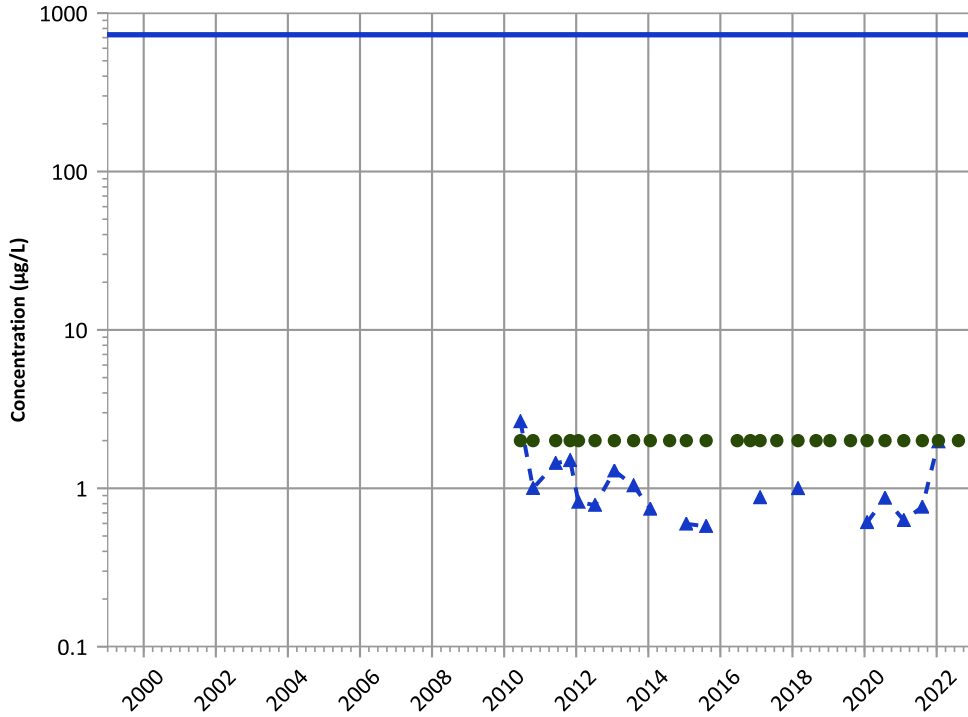
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

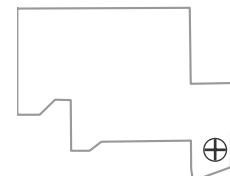
MAROS Linear Regression Method

All Data: Probably Decreasing  
2020 - 2022 Data: No Trend

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

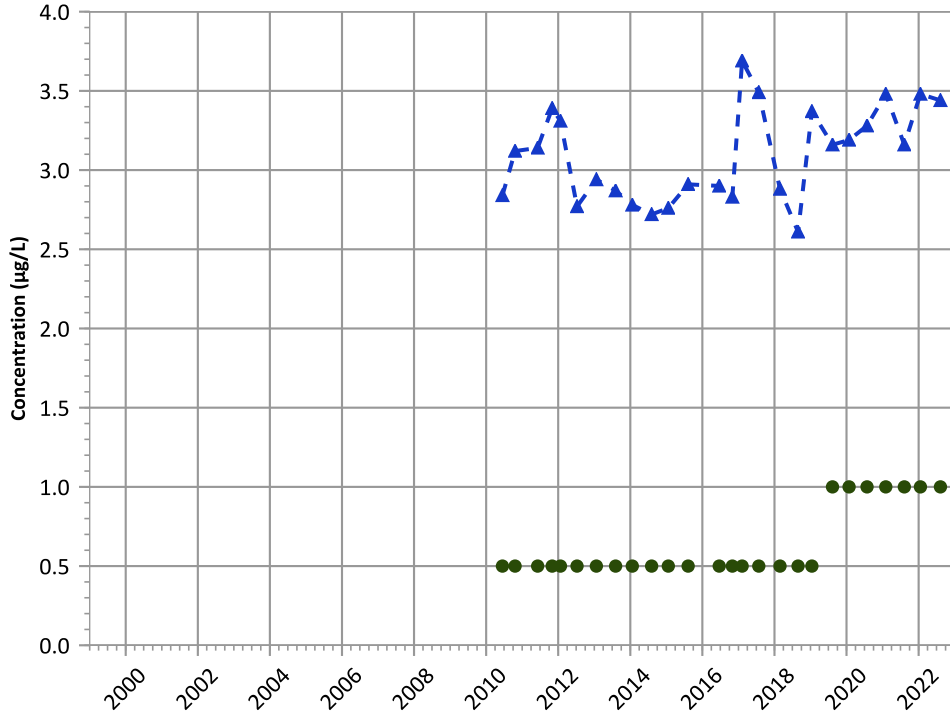
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

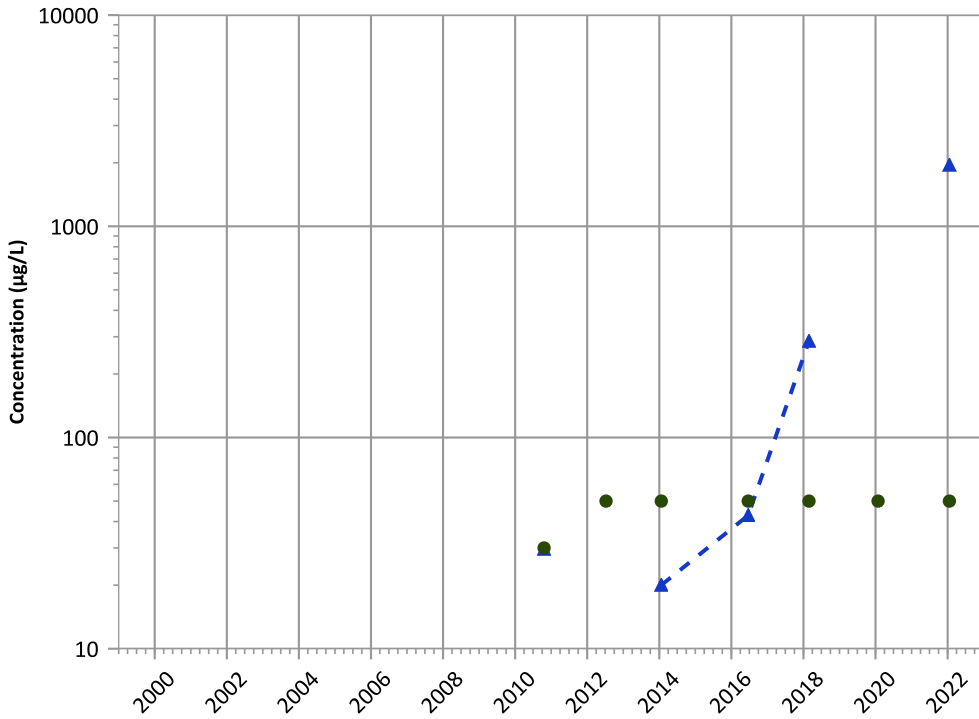
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

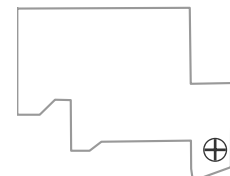
MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

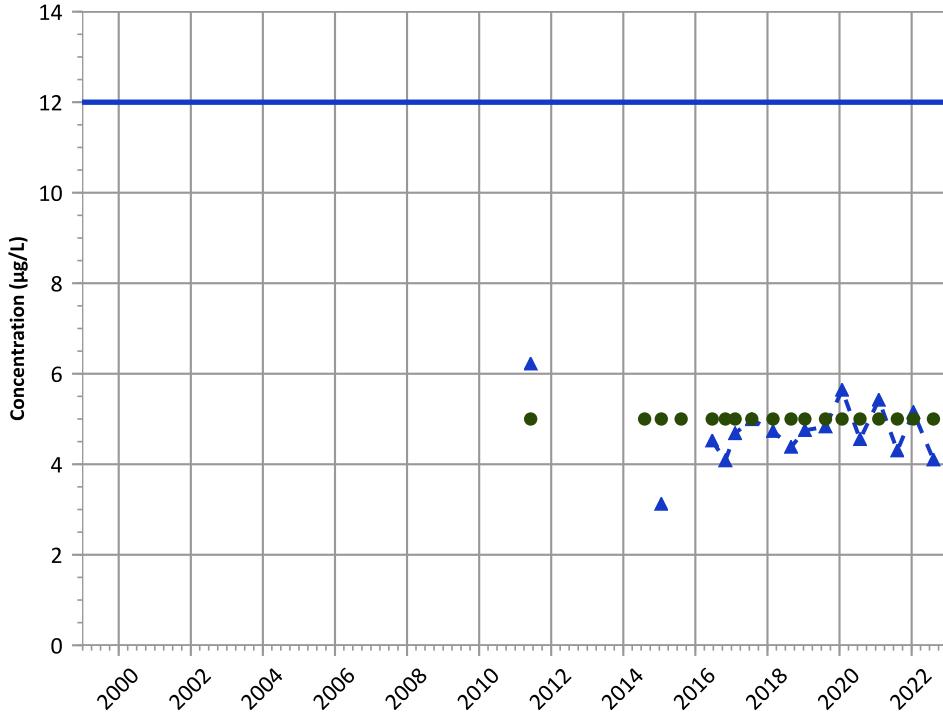
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Probably Increasing

2020 - 2022 Data: Decreasing

Decreasing

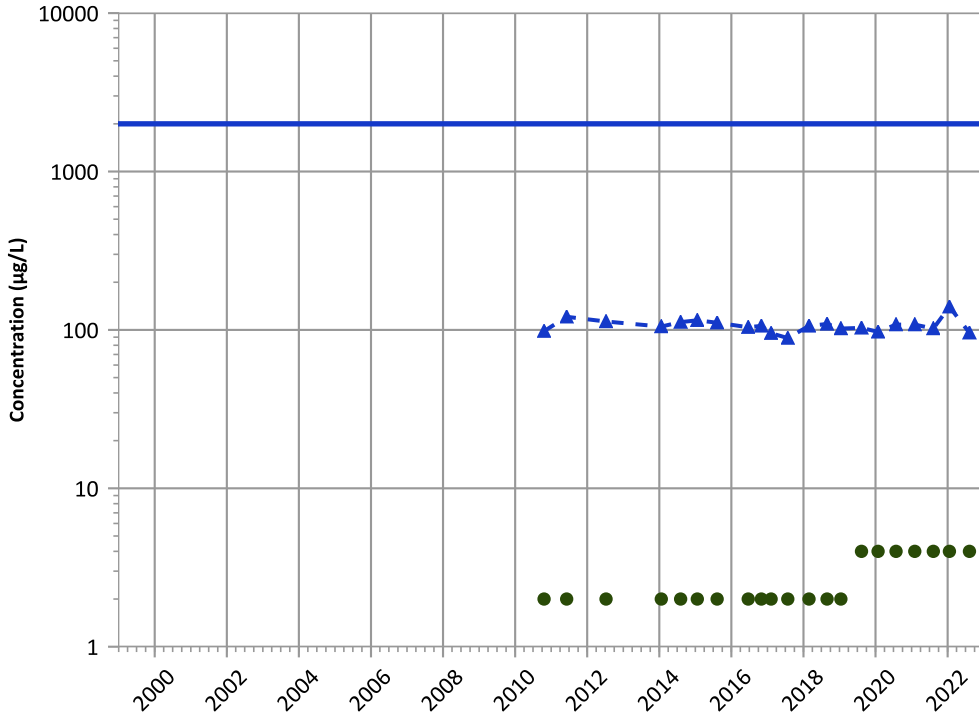
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

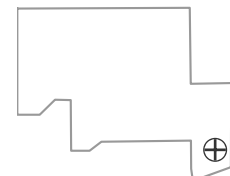
MAROS Linear Regression Method

All Data: Decreasing

2020 - 2022 Data: Stable

Stable

Well Location

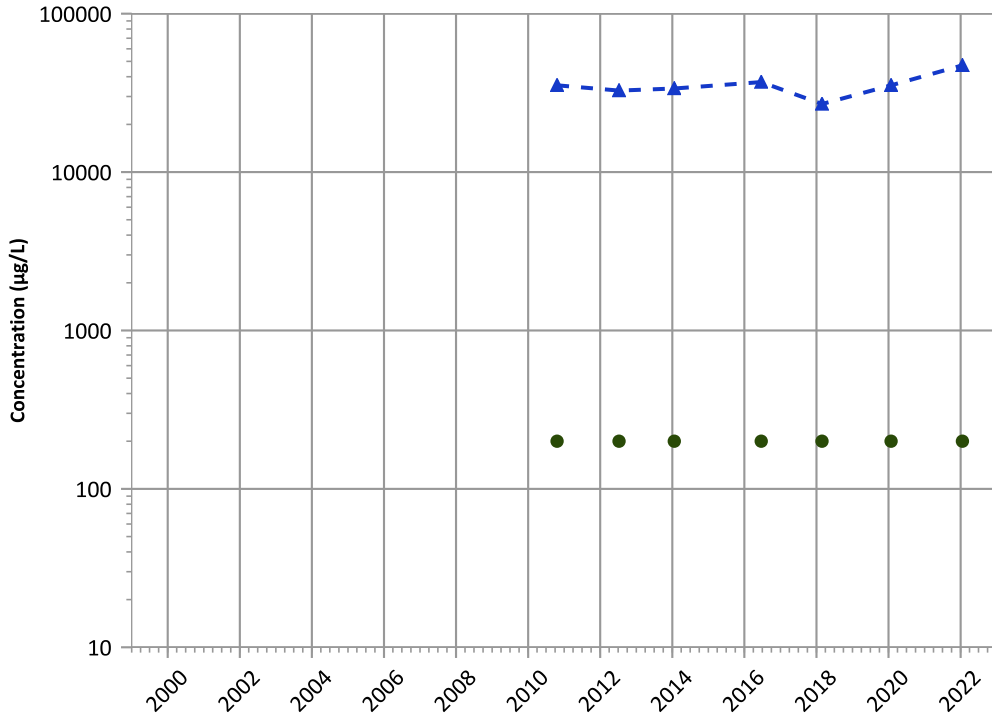


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

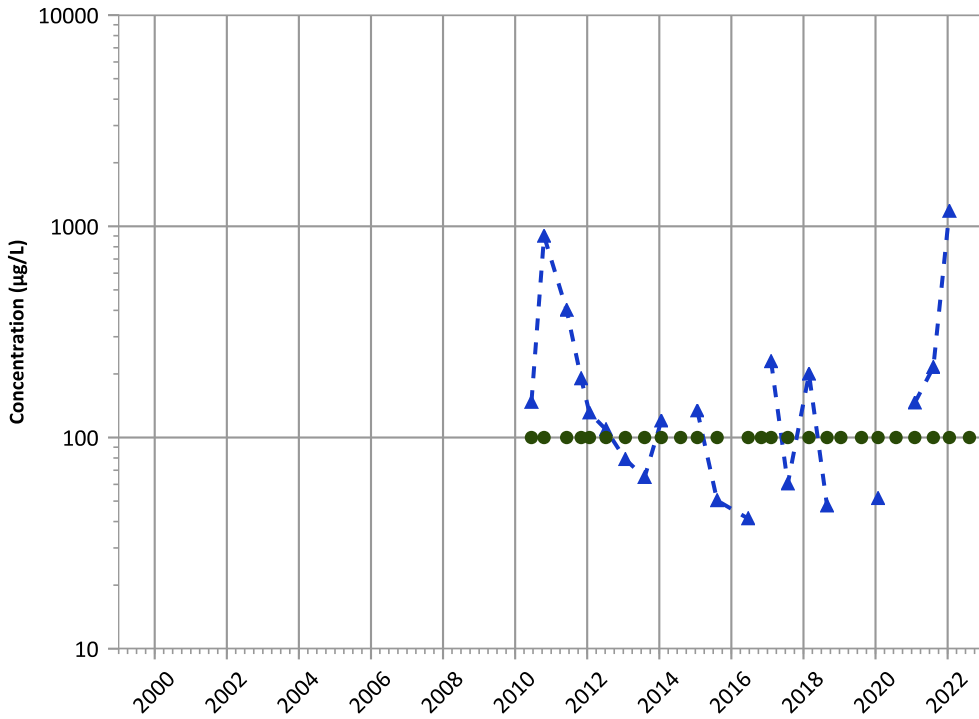
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: No Trend

Iron Trend



Concentration Trend

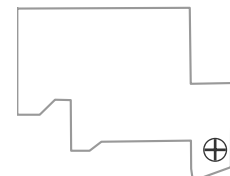
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Increasing

Well Location

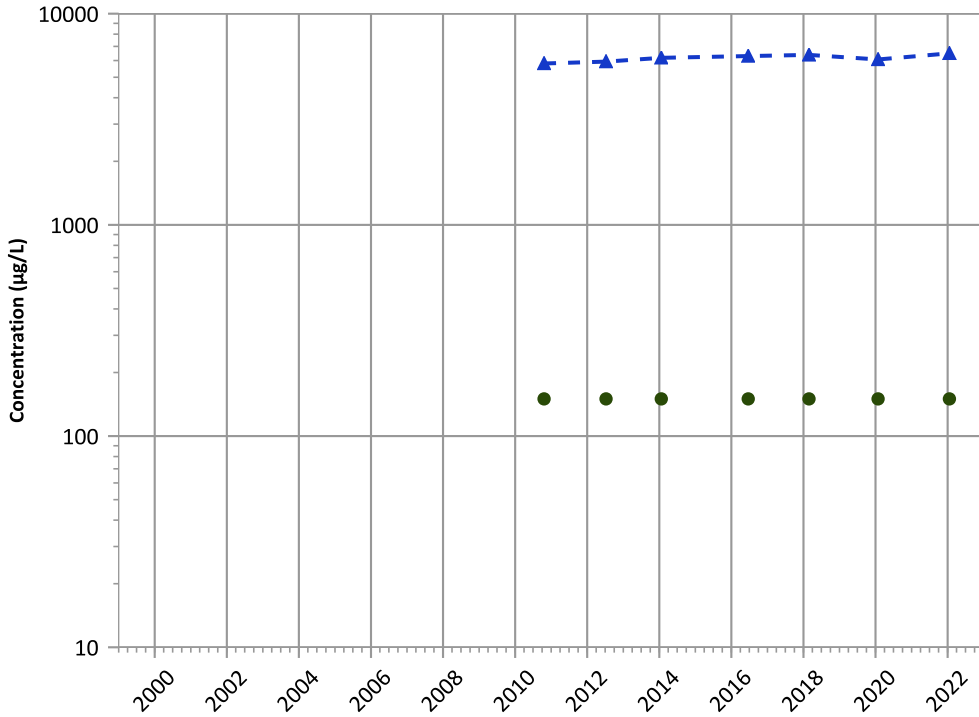


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

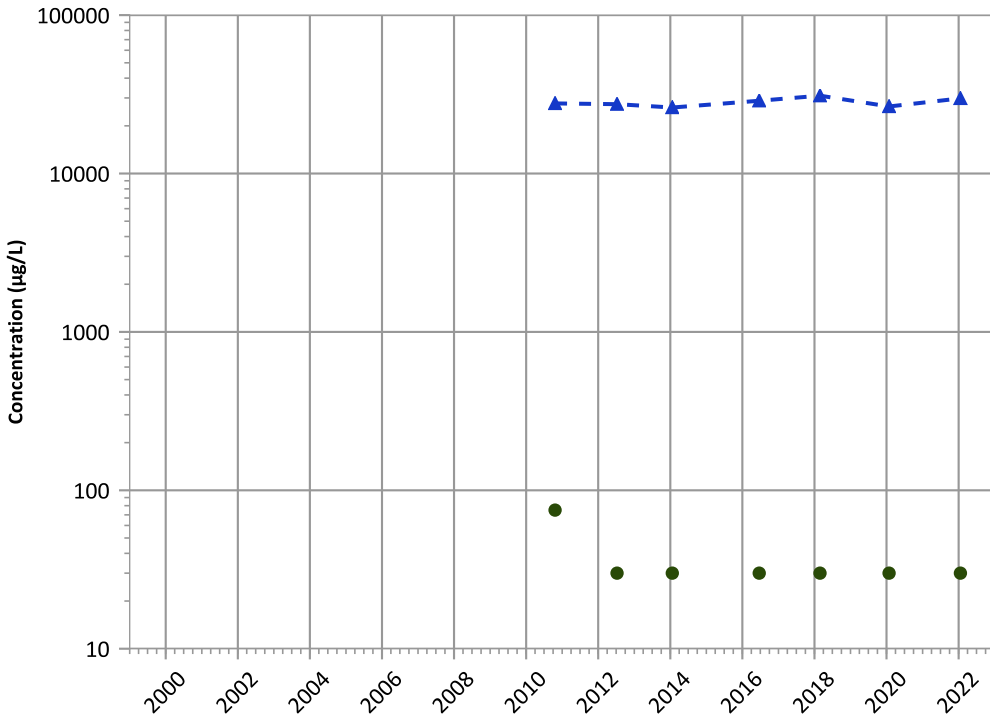
MAROS Mann-Kendall Method

All Data: Increasing  
2020 - 2022 Data: No Trend

MAROS Linear Regression Method

All Data: Increasing  
2020 - 2022 Data: Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Stable

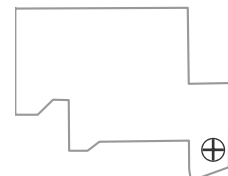
MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

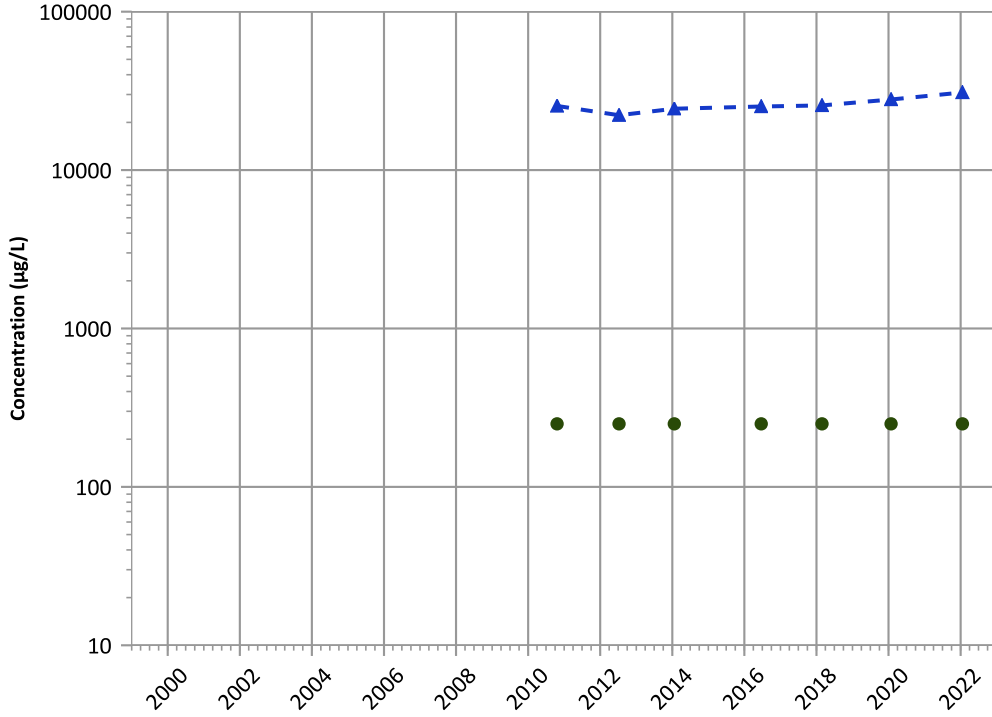
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1157 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Increasing

2020 - 2022 Data:

Increasing

MAROS Linear Regression Method

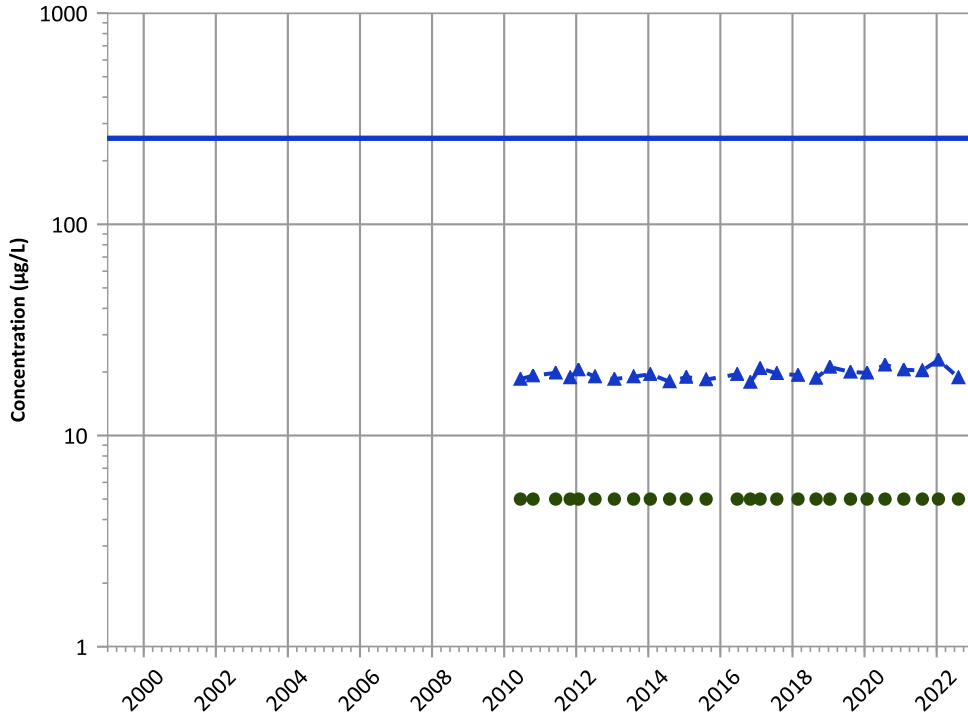
All Data:

Increasing

2020 - 2022 Data:

Increasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:

Increasing

2020 - 2022 Data:

Decreasing

MAROS Linear Regression Method

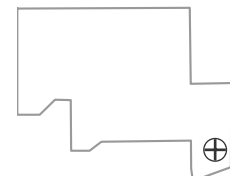
All Data:

Increasing

2020 - 2022 Data:

Stable

Well Location

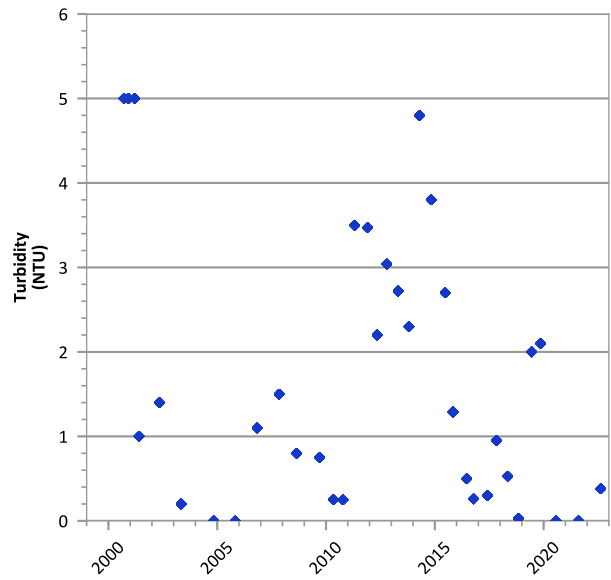
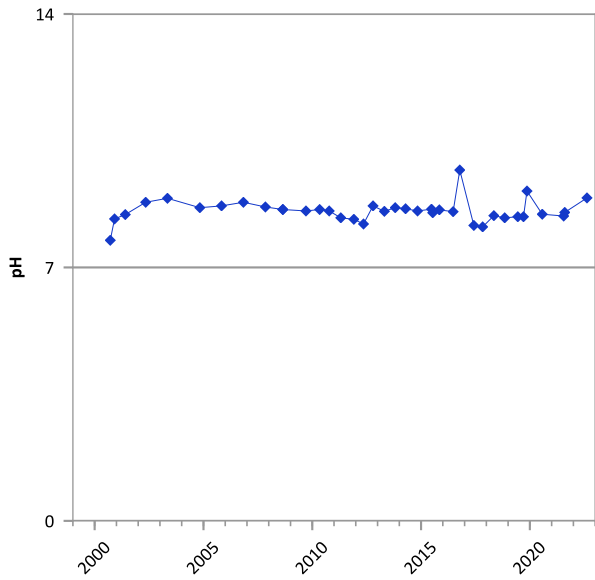
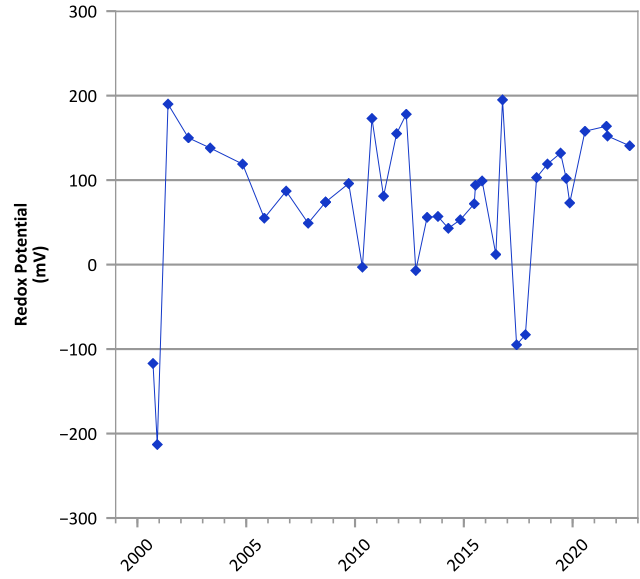
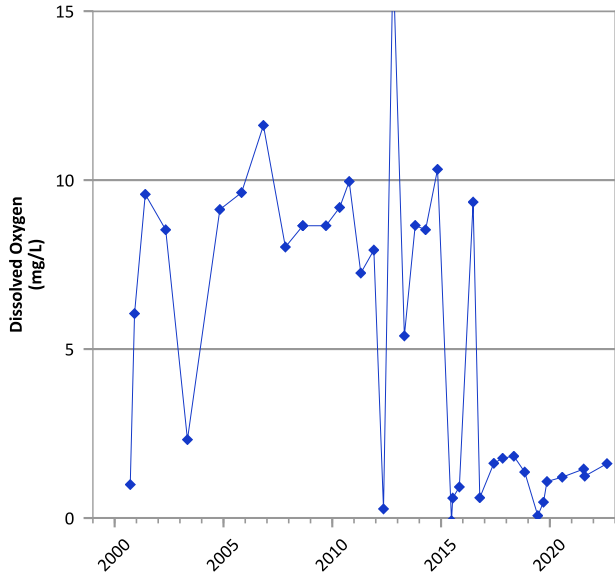


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 06/15/2010 to 10/18/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

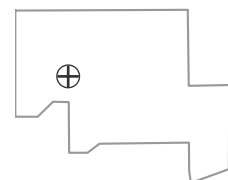


**PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Field Parameters**



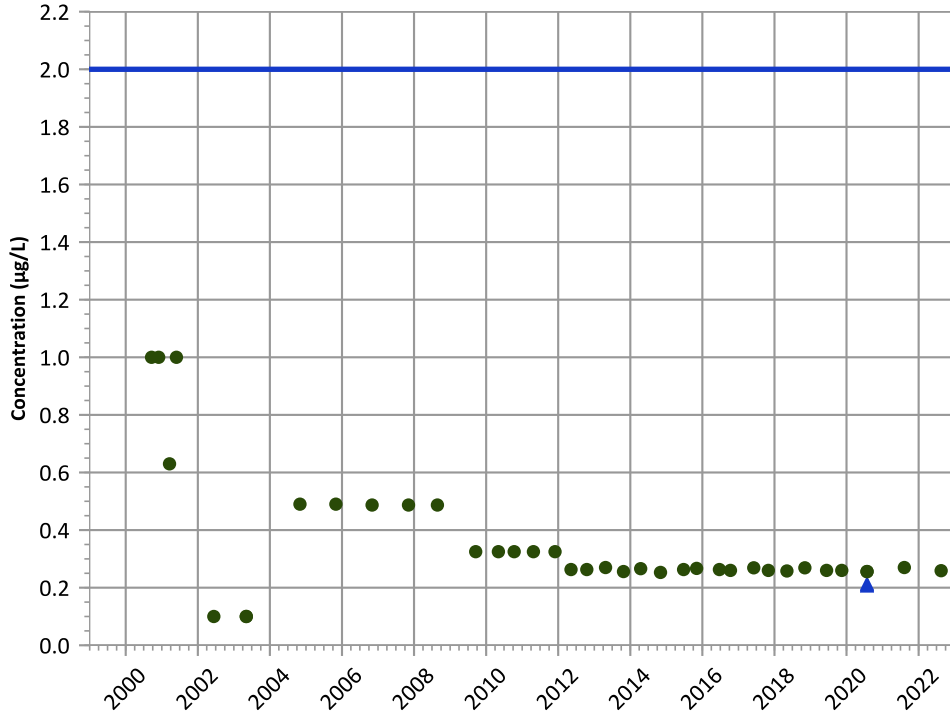
Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 05/08/2000 to 08/17/2022  
 Analysis Date: 04/11/2023

**Well Location**



PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

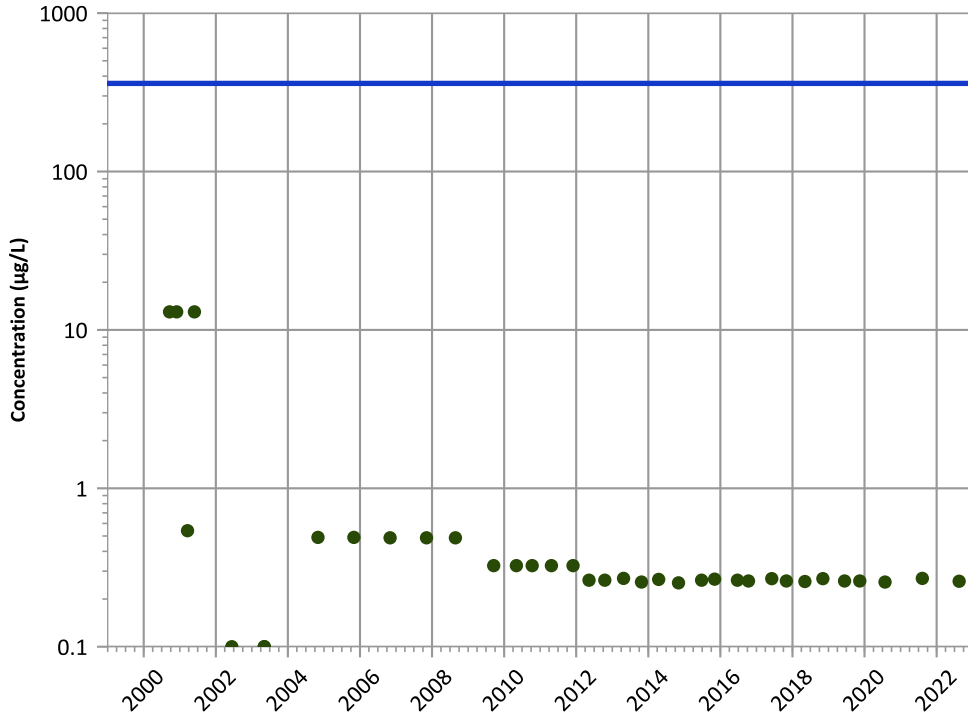
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

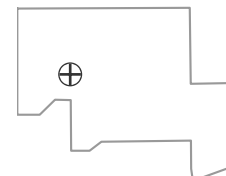
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

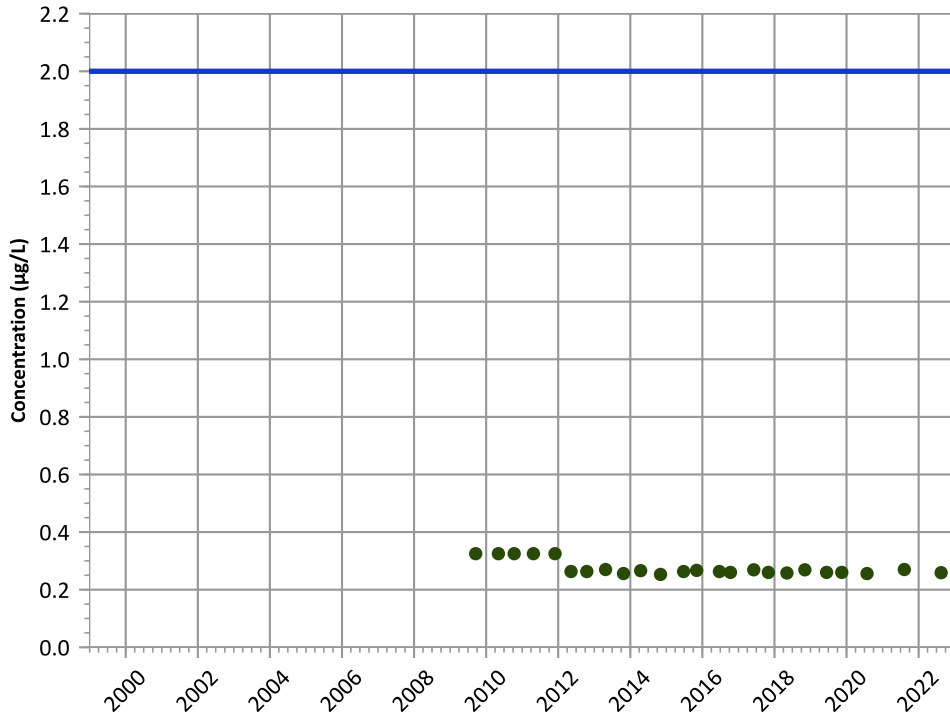
Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend**



**Concentration Trend**

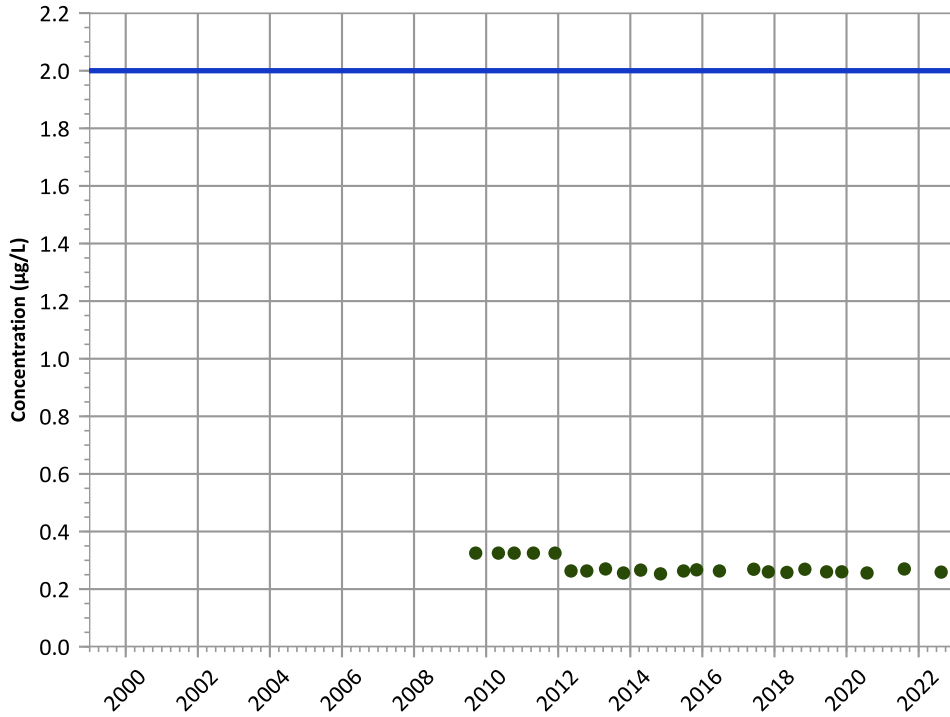
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend**



**Concentration Trend**

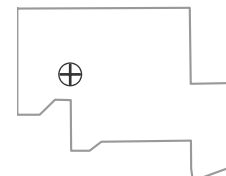
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Well Location**

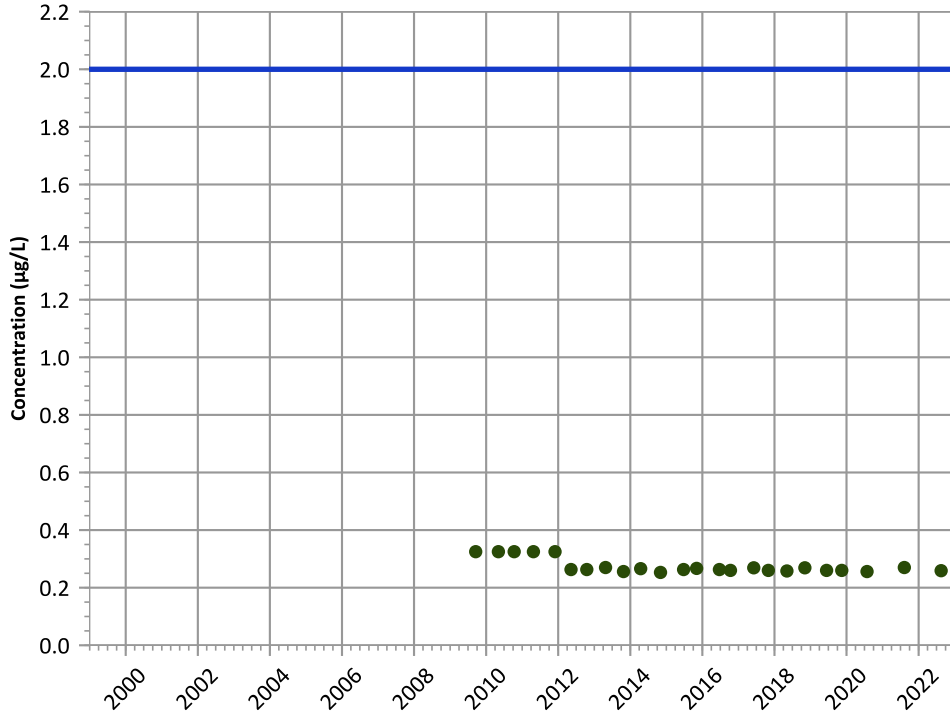


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

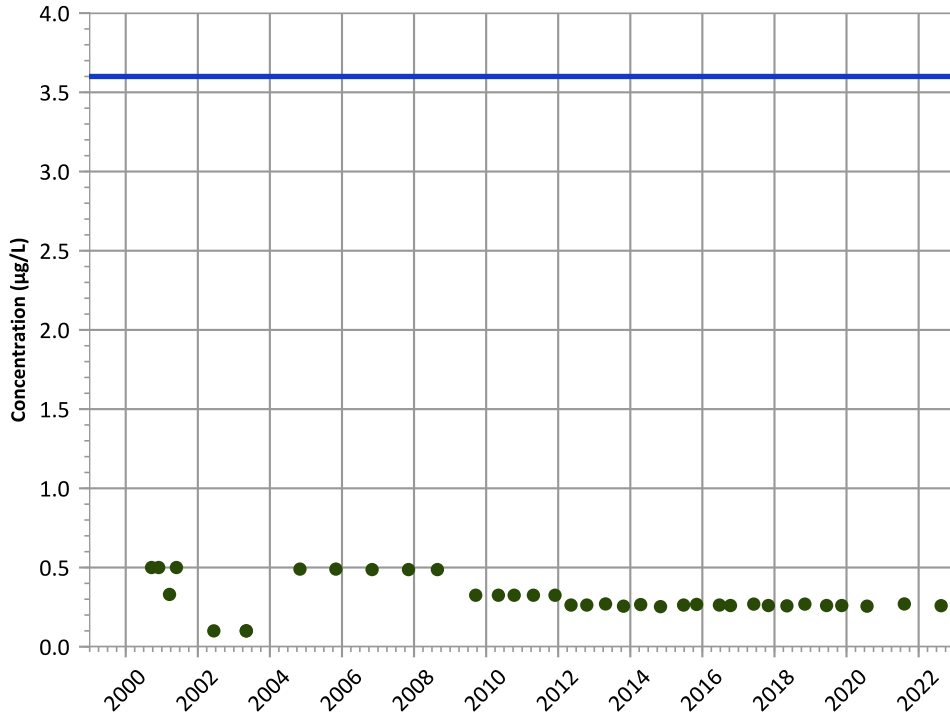
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

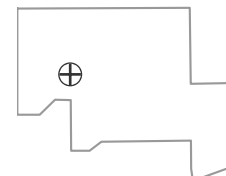
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

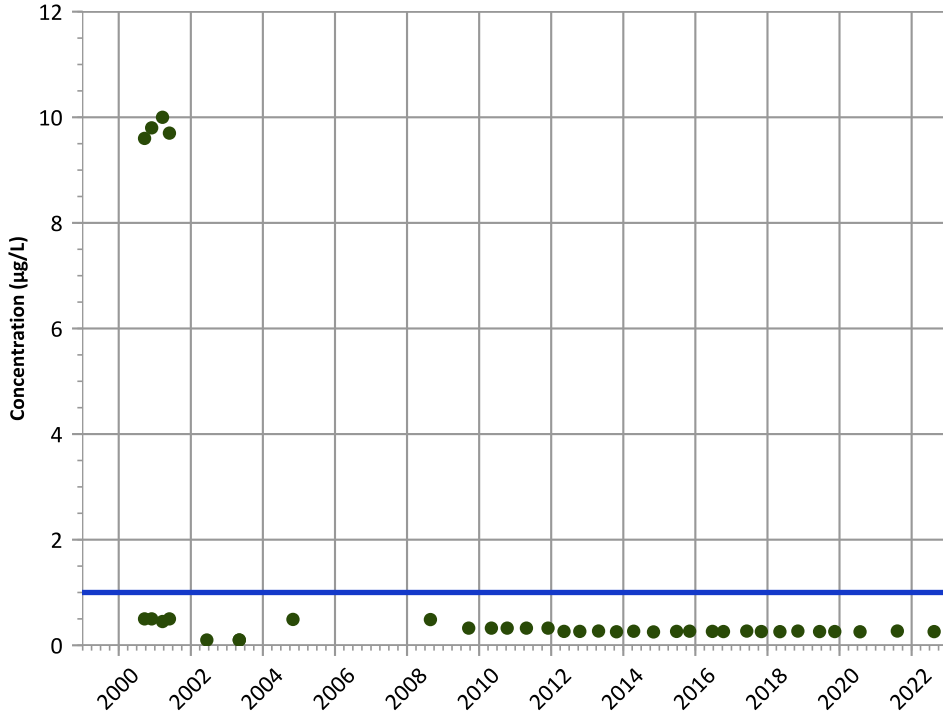
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2,4-Dinitrotoluene Trend



Concentration Trend

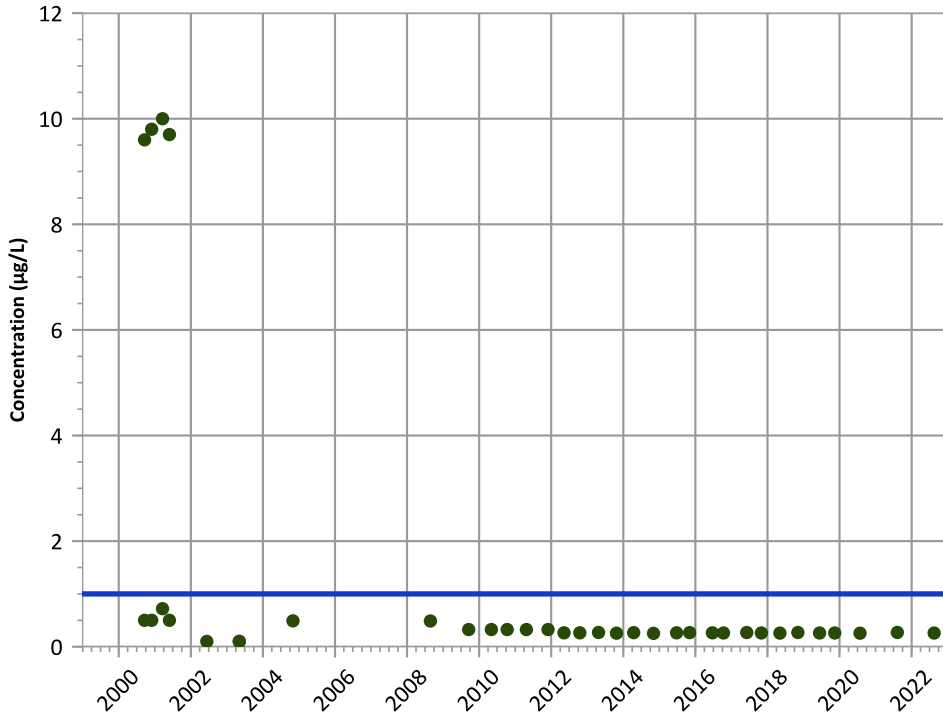
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

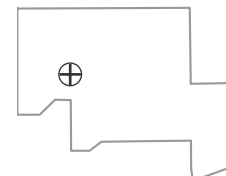
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

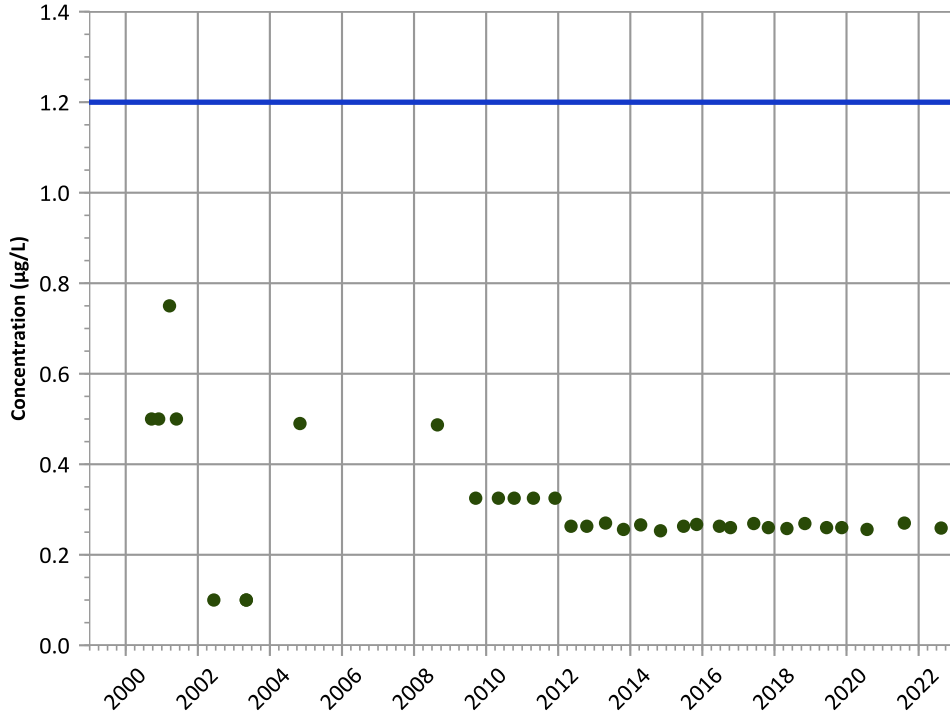
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

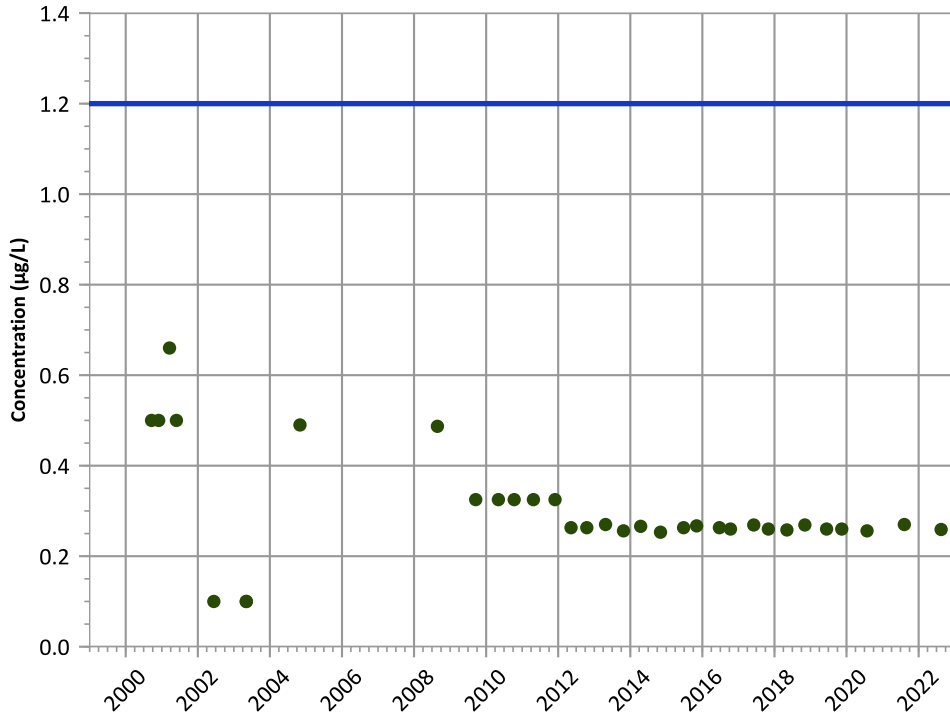
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

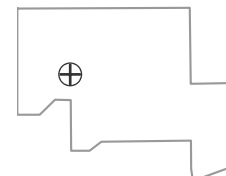
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

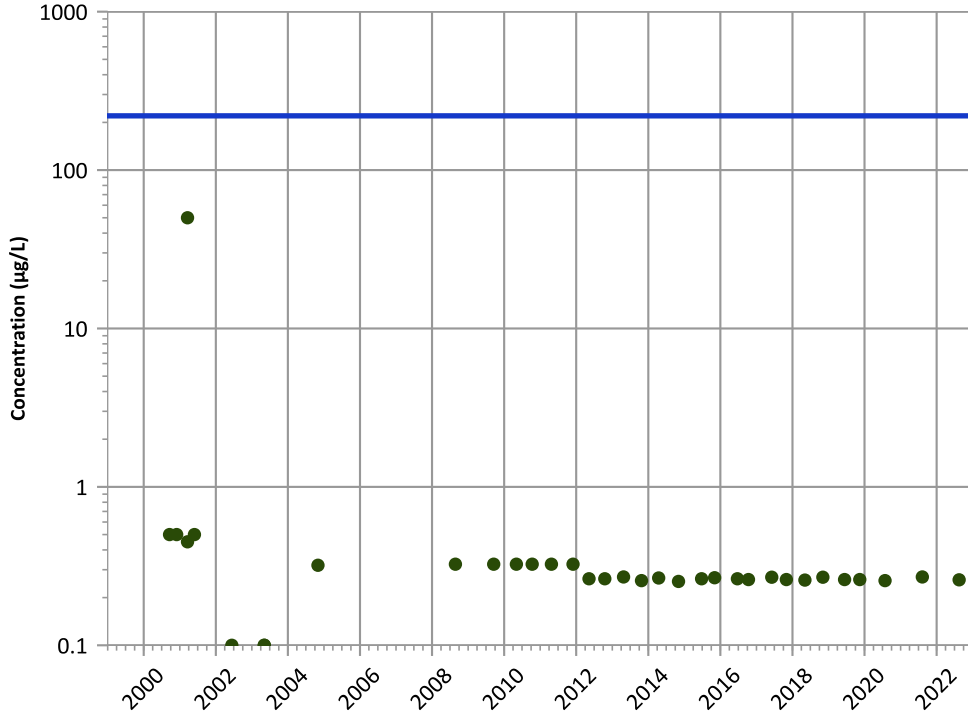


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,3,5-Trinitrobenzene Trend



Concentration Trend

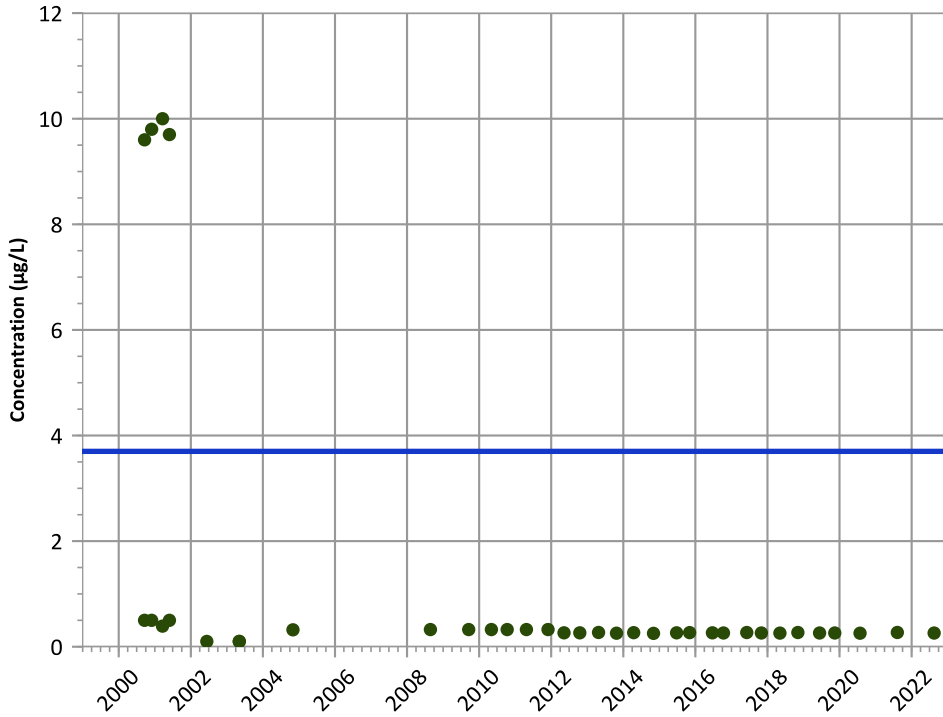
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

1,3-Dinitrobenzene Trend



Concentration Trend

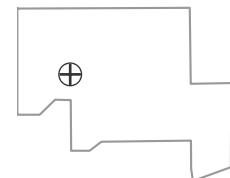
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Well Location

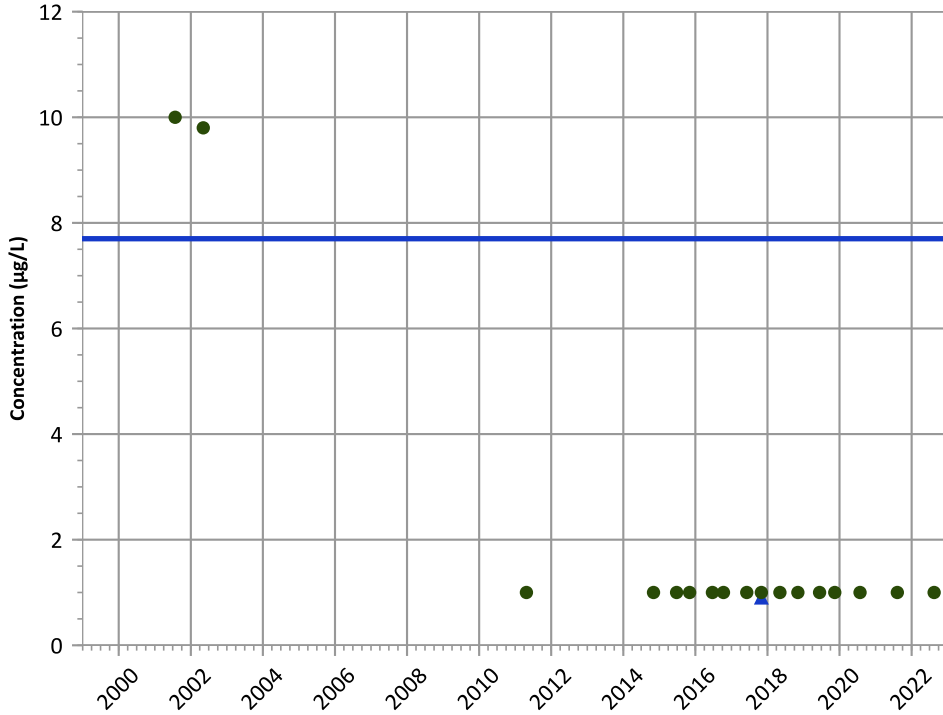


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

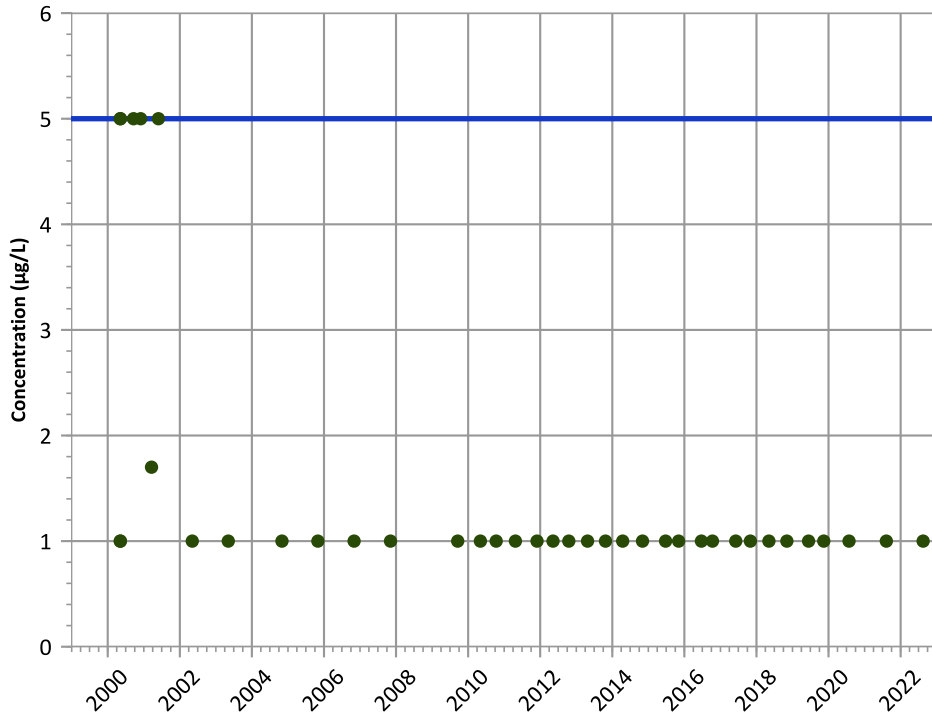
MAROS Mann-Kendall Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
N/A (<4 Detections in Dataset)  
2020 - 2022 Data:  
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

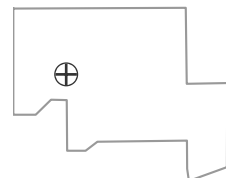
MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

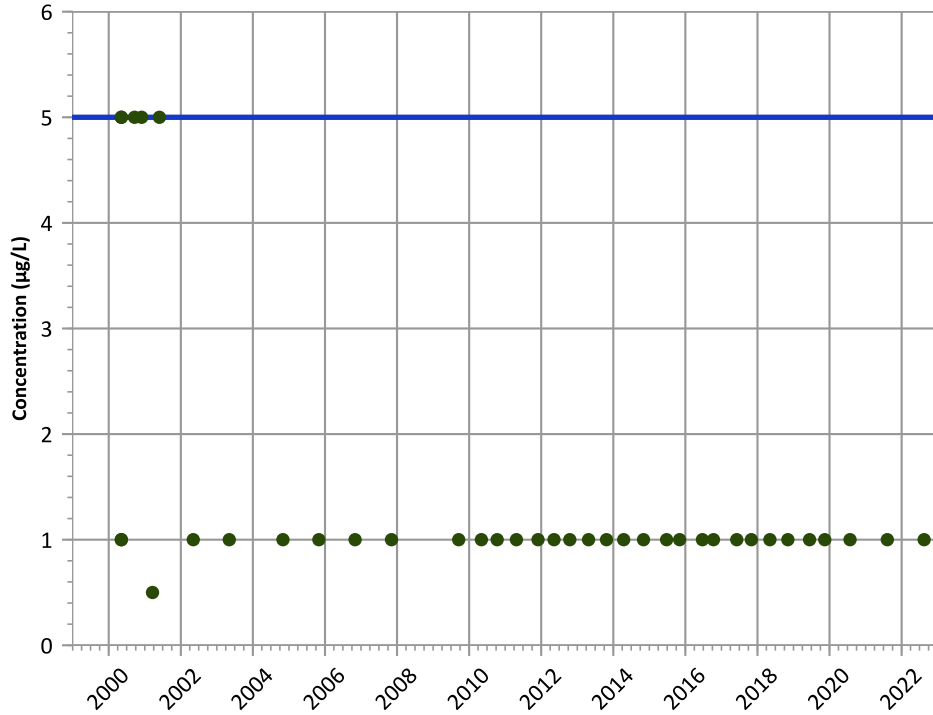
Well Location





PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

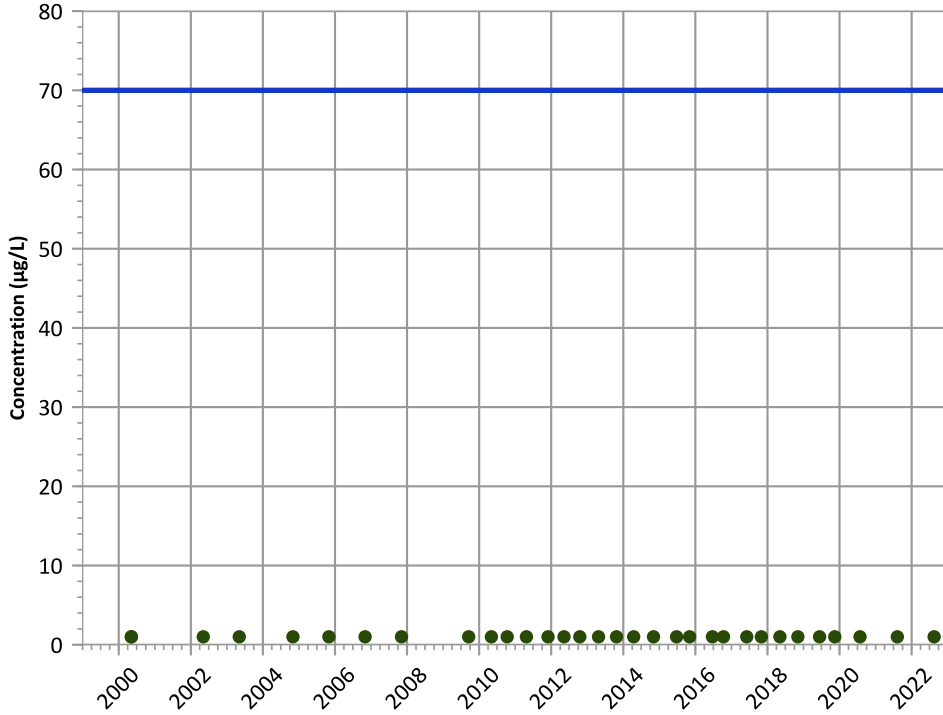
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

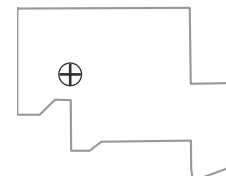
MAROS Mann-Kendall Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

MAROS Linear Regression Method

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

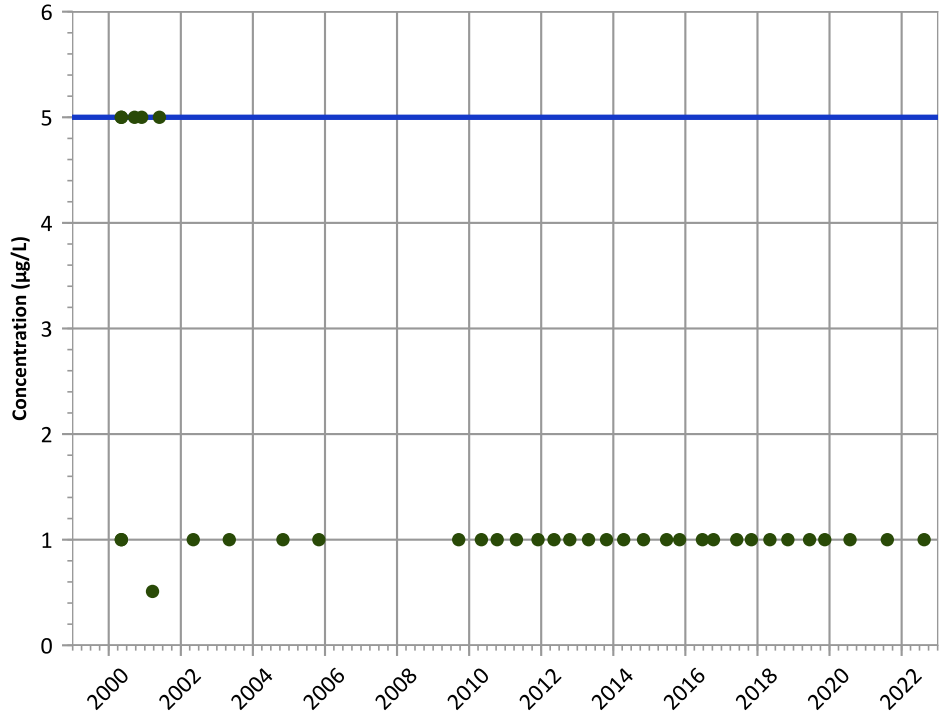
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
1,2-Dichloroethane Trend**



**Concentration Trend**

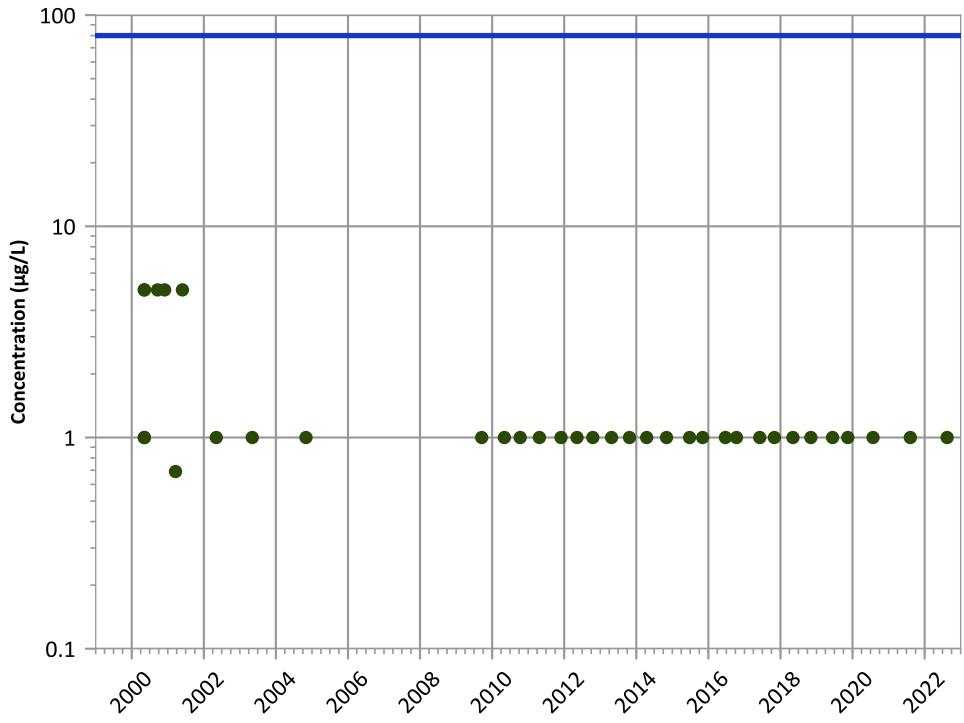
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**Chloroform Trend**



**Concentration Trend**

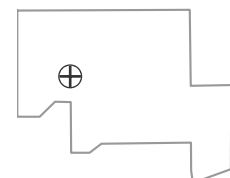
**MAROS Mann-Kendall Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

**MAROS Linear Regression Method**

All Data:  
All Non-Detect  
2020 - 2022 Data:  
All Non-Detect

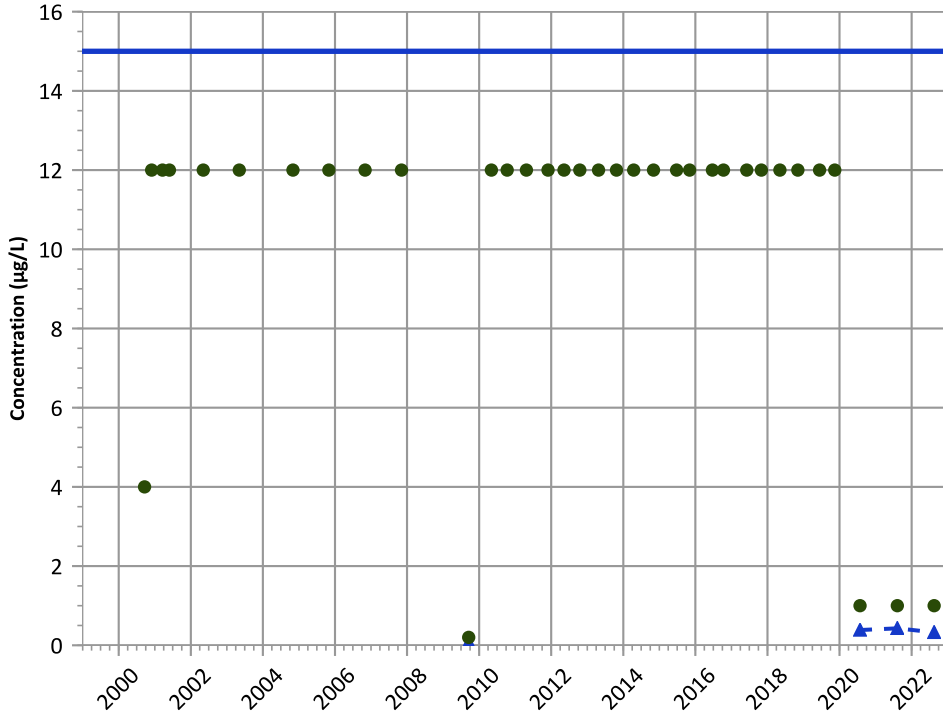
**Well Location**



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant  
Perchlorate Trend**



**Concentration Trend**

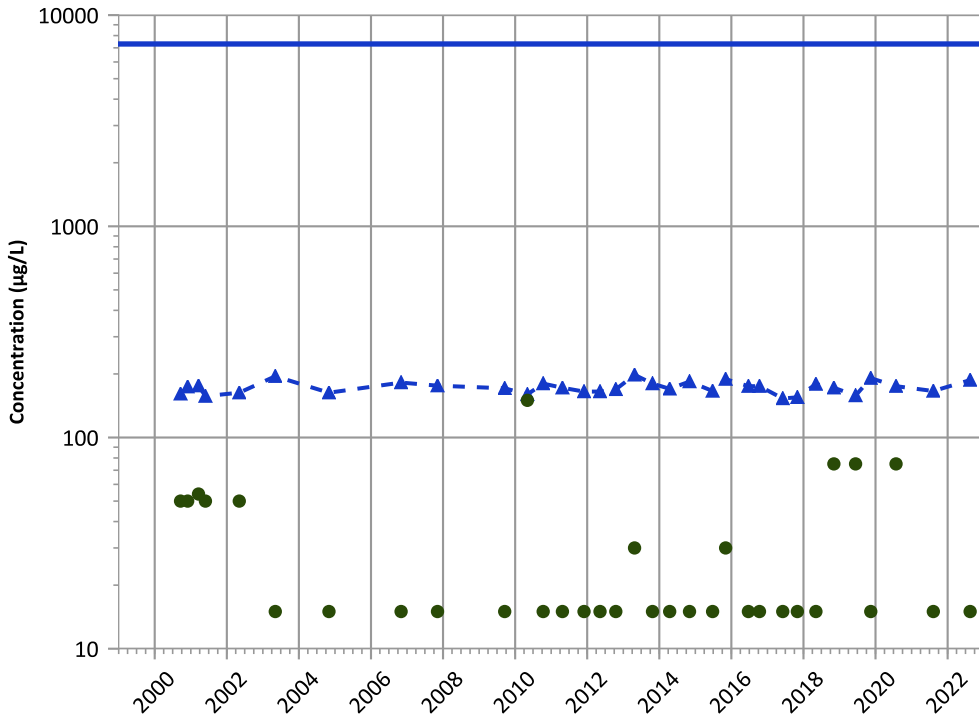
**MAROS Mann-Kendall Method**

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

**MAROS Linear Regression Method**

All Data: Increasing  
2020 - 2022 Data: Increasing

**Boron Trend**



**Concentration Trend**

**MAROS Mann-Kendall Method**

All Data: No Trend  
2020 - 2022 Data: Decreasing

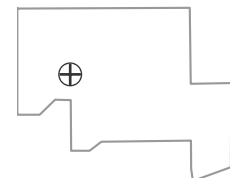
**MAROS Linear Regression Method**

All Data: Increasing  
2020 - 2022 Data: Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

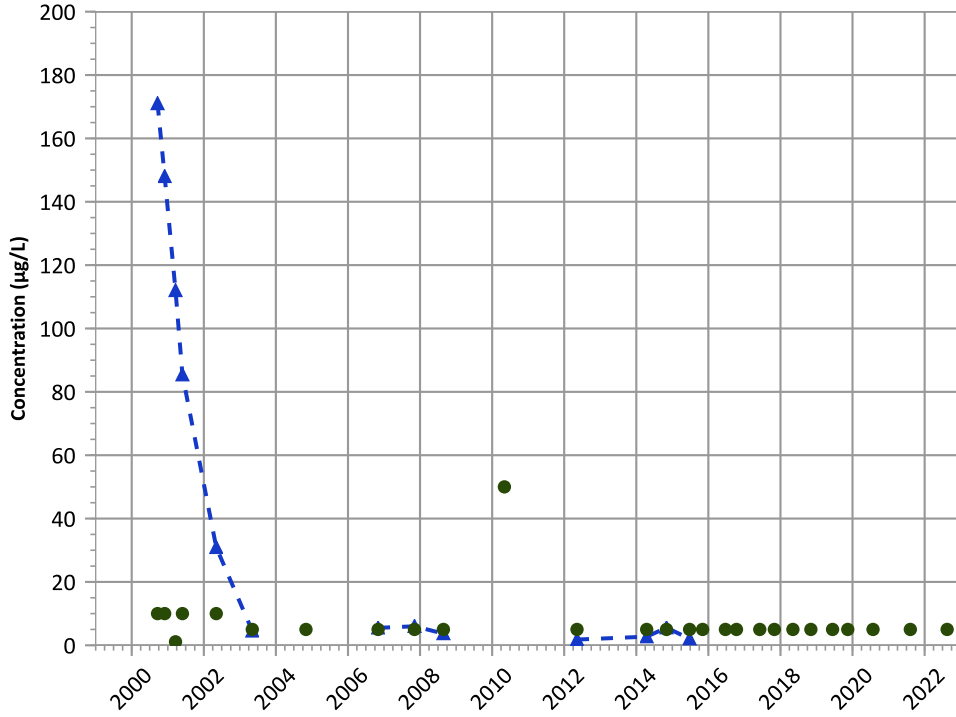
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**Well Location**



PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

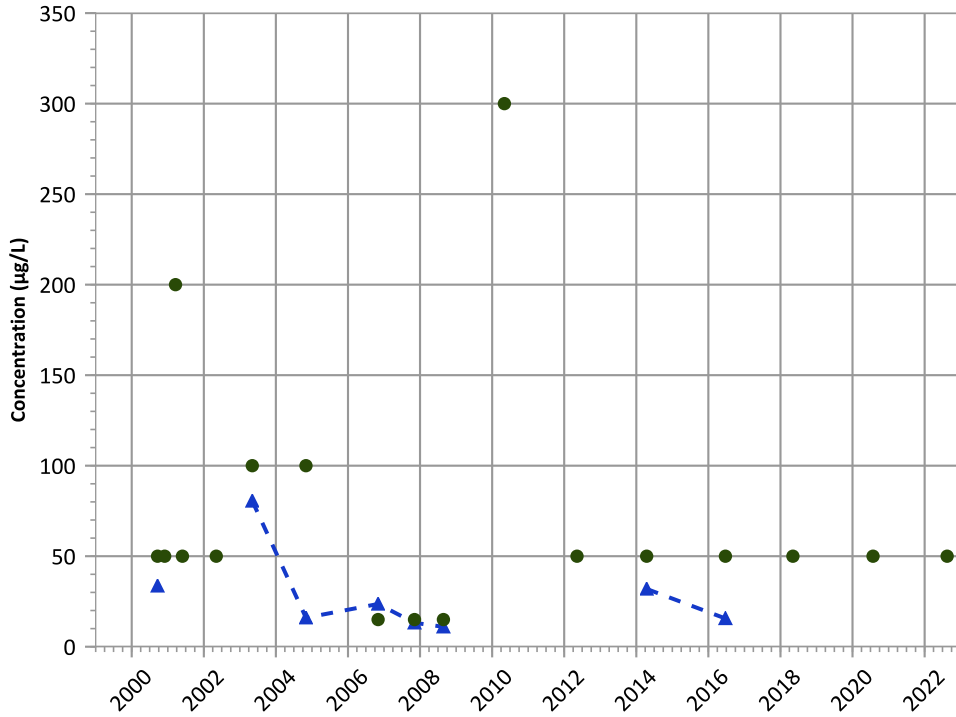
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: All Non-Detect

MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

Aluminum Trend



Concentration Trend

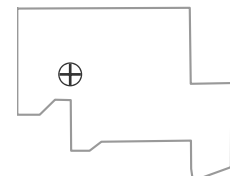
MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

All Data: Stable  
2020 - 2022 Data: No Trend

Well Location

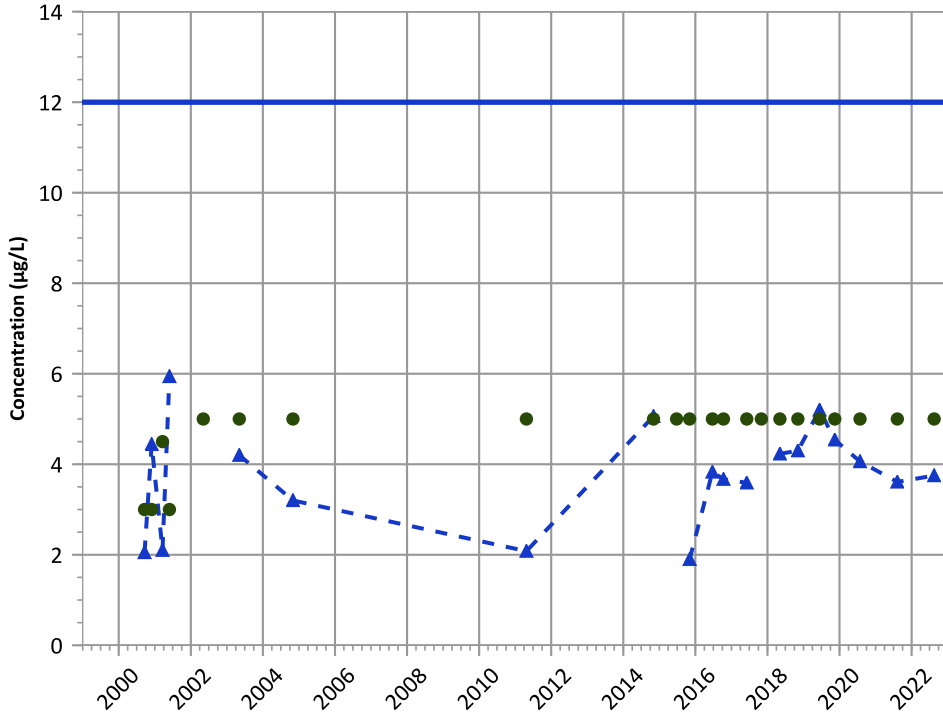


Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

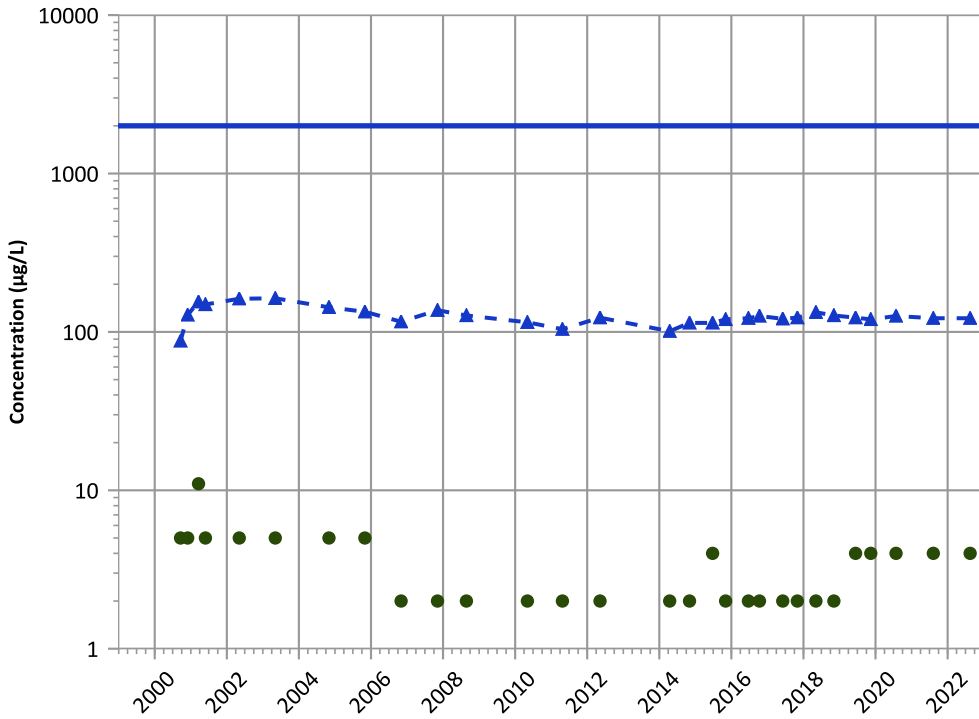
MAROS Mann-Kendall Method

All Data: No Trend  
2020 - 2022 Data: Decreasing

MAROS Linear Regression Method

All Data: No Trend  
2020 - 2022 Data: Probably Decreasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing  
2020 - 2022 Data: No Trend

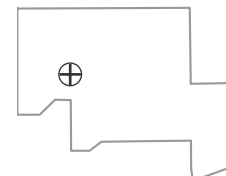
MAROS Linear Regression Method

All Data: Decreasing  
2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

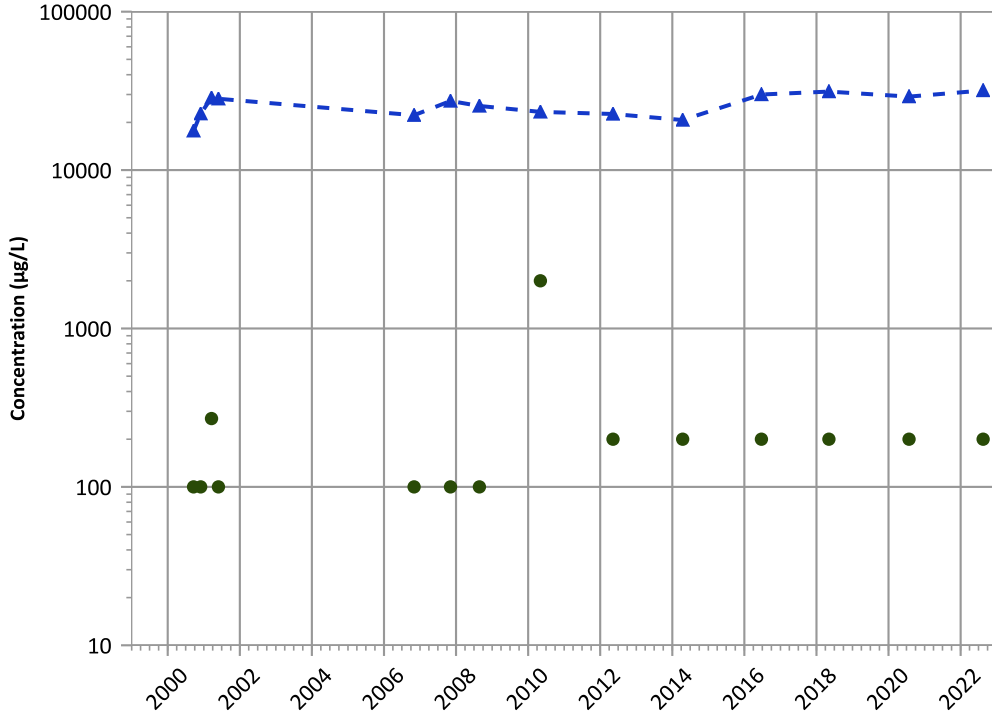
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

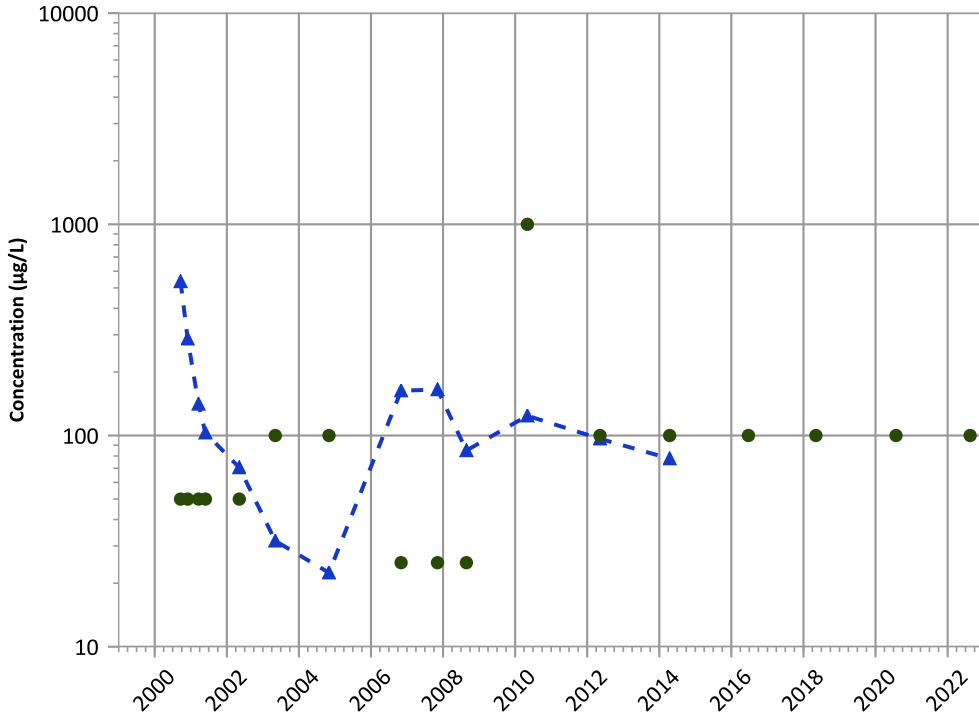
MAROS Mann-Kendall Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

MAROS Linear Regression Method

All Data:  
Increasing  
2020 - 2022 Data:  
No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data:  
Decreasing  
2020 - 2022 Data:  
All Non-Detect

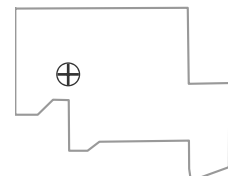
MAROS Linear Regression Method

All Data:  
Stable  
2020 - 2022 Data:  
Stable

Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

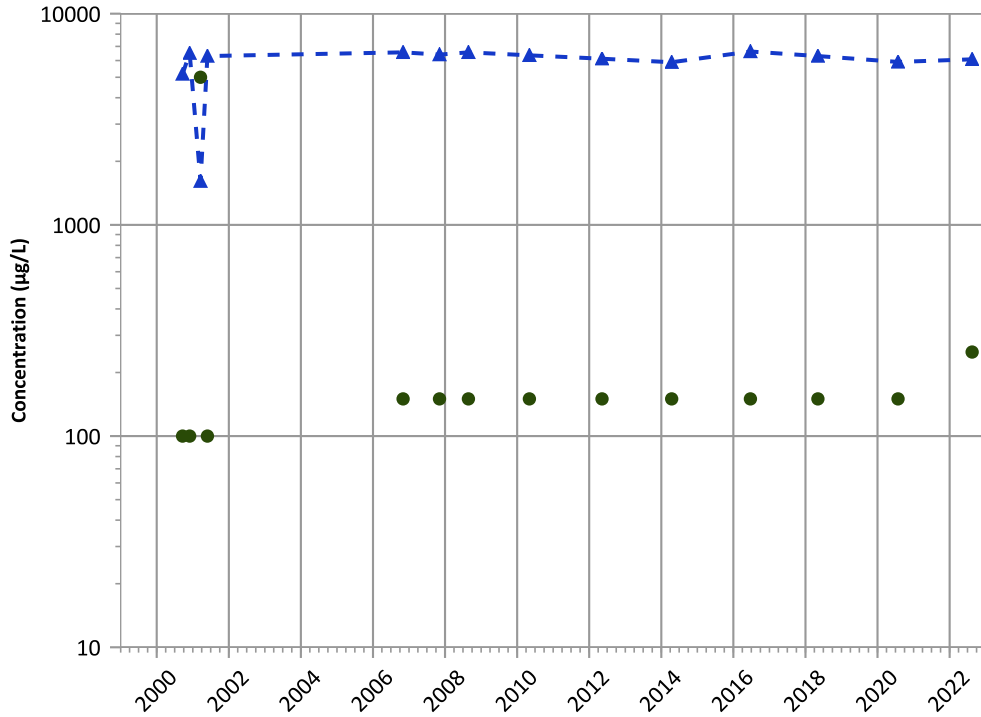
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1R01 in Ogallala Aquifer  
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Decreasing

2020 - 2022 Data: Decreasing

Decreasing

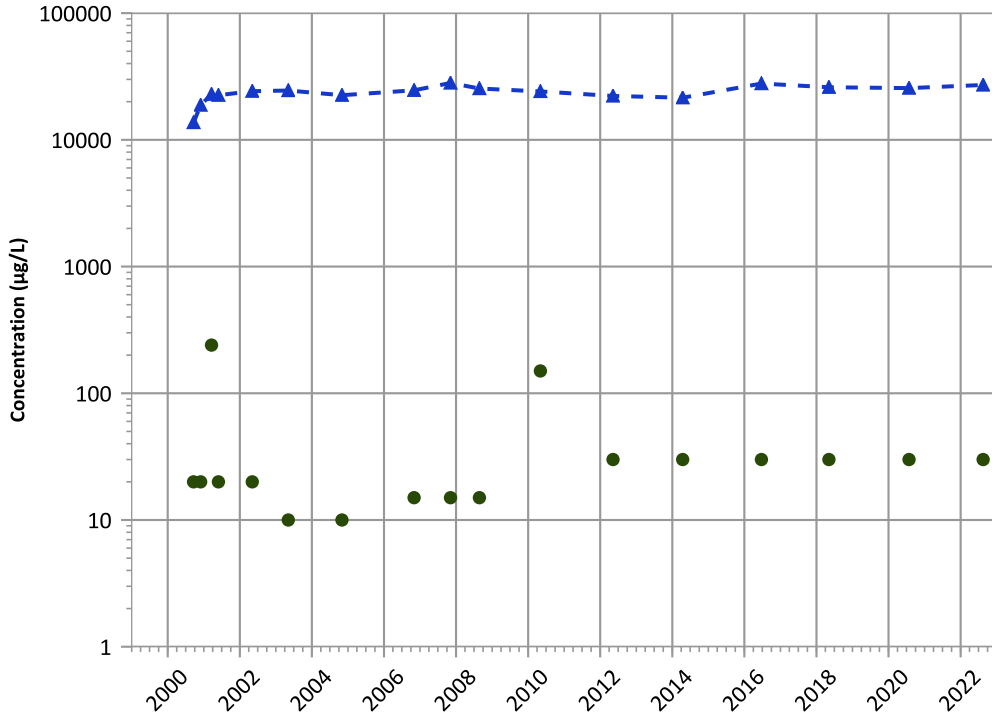
MAROS Linear Regression Method

All Data: No Trend

2020 - 2022 Data: Probably Decreasing

Probably Decreasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

All Data: Increasing

2020 - 2022 Data: Decreasing

Decreasing

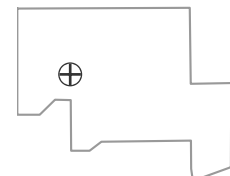
MAROS Linear Regression Method

All Data: Increasing

2020 - 2022 Data: Stable

Stable

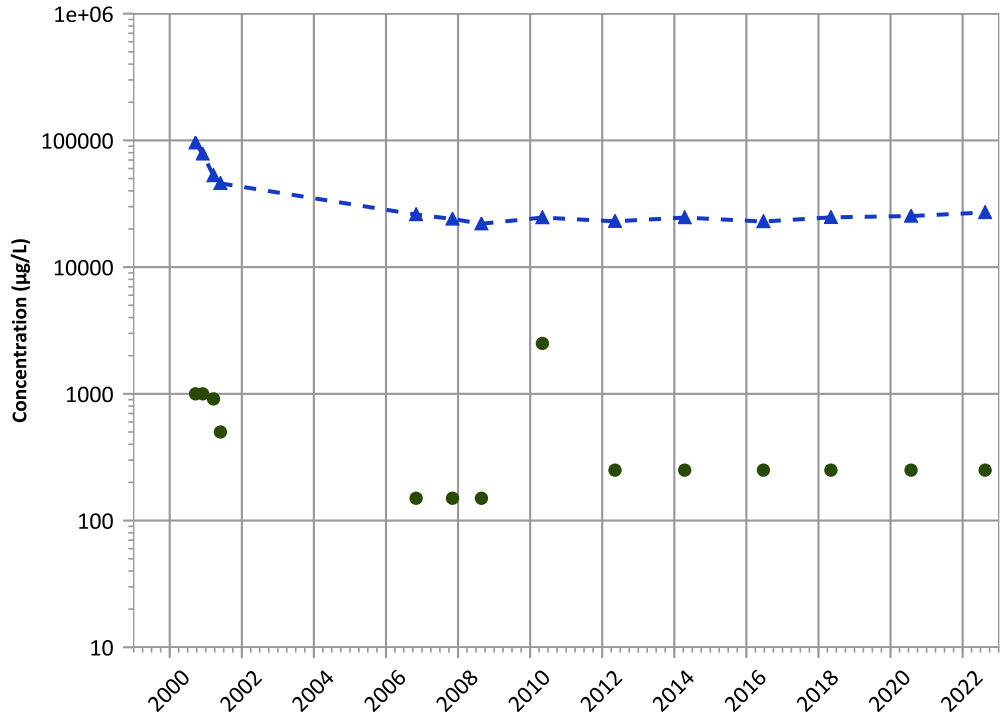
Well Location



Query Date Range: 01/01/1992 to 12/31/2022  
Data Date Range: 05/08/2000 to 08/17/2022  
Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer  
 USDOE/NNSA Pantex Plant  
 Sodium Trend

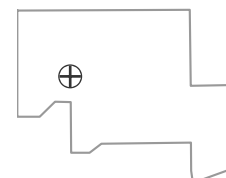


**Concentration Trend**  
 MAROS Mann-Kendall Method  
 All Data: Decreasing  
 2020 - 2022 Data: Increasing  
 MAROS Linear Regression Method  
 All Data: Decreasing  
 2020 - 2022 Data: Increasing

Query Date Range: 01/01/1992 to 12/31/2022  
 Data Date Range: 05/08/2000 to 08/17/2022  
 Analysis Date: 04/11/2023

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



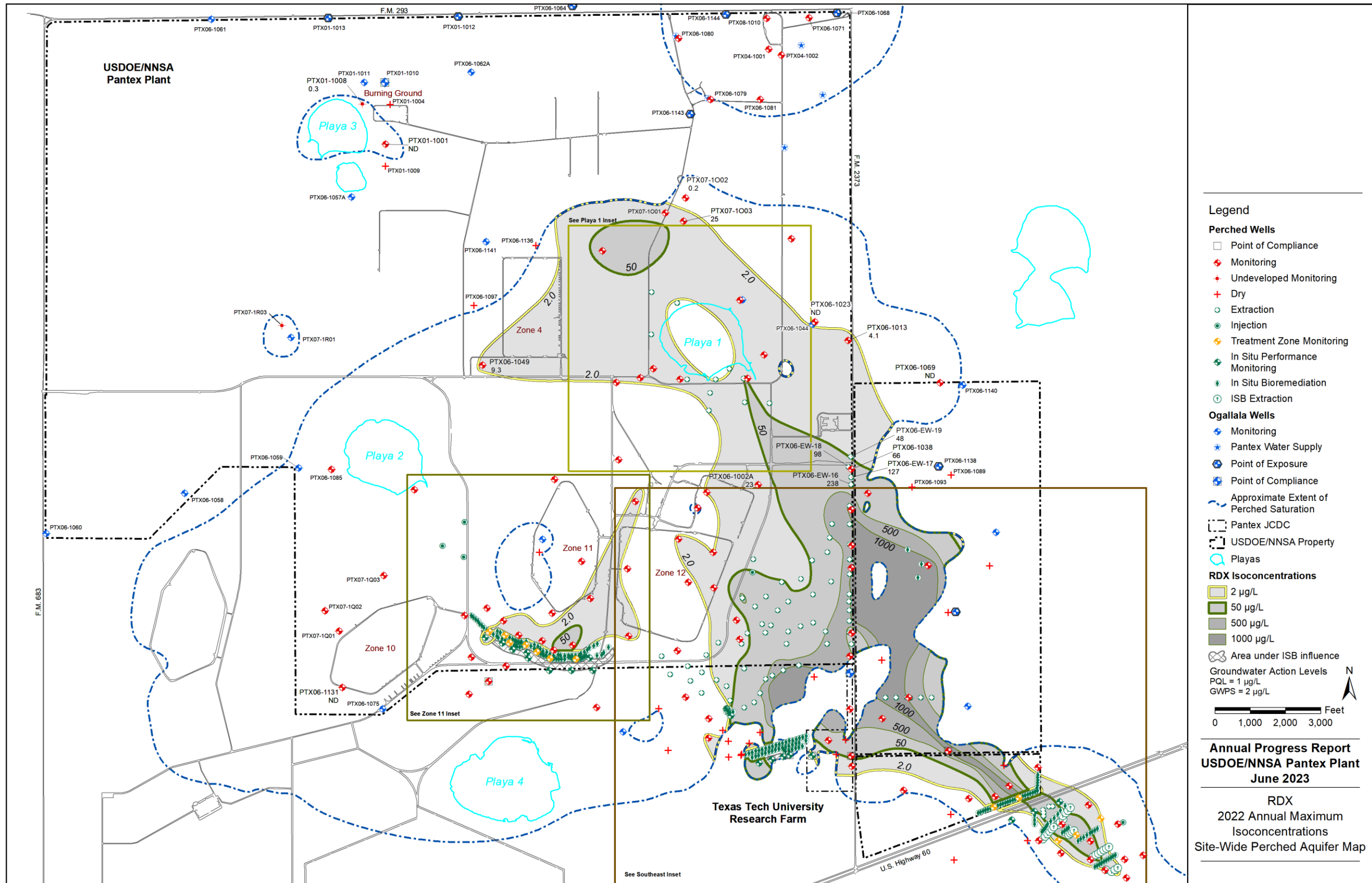


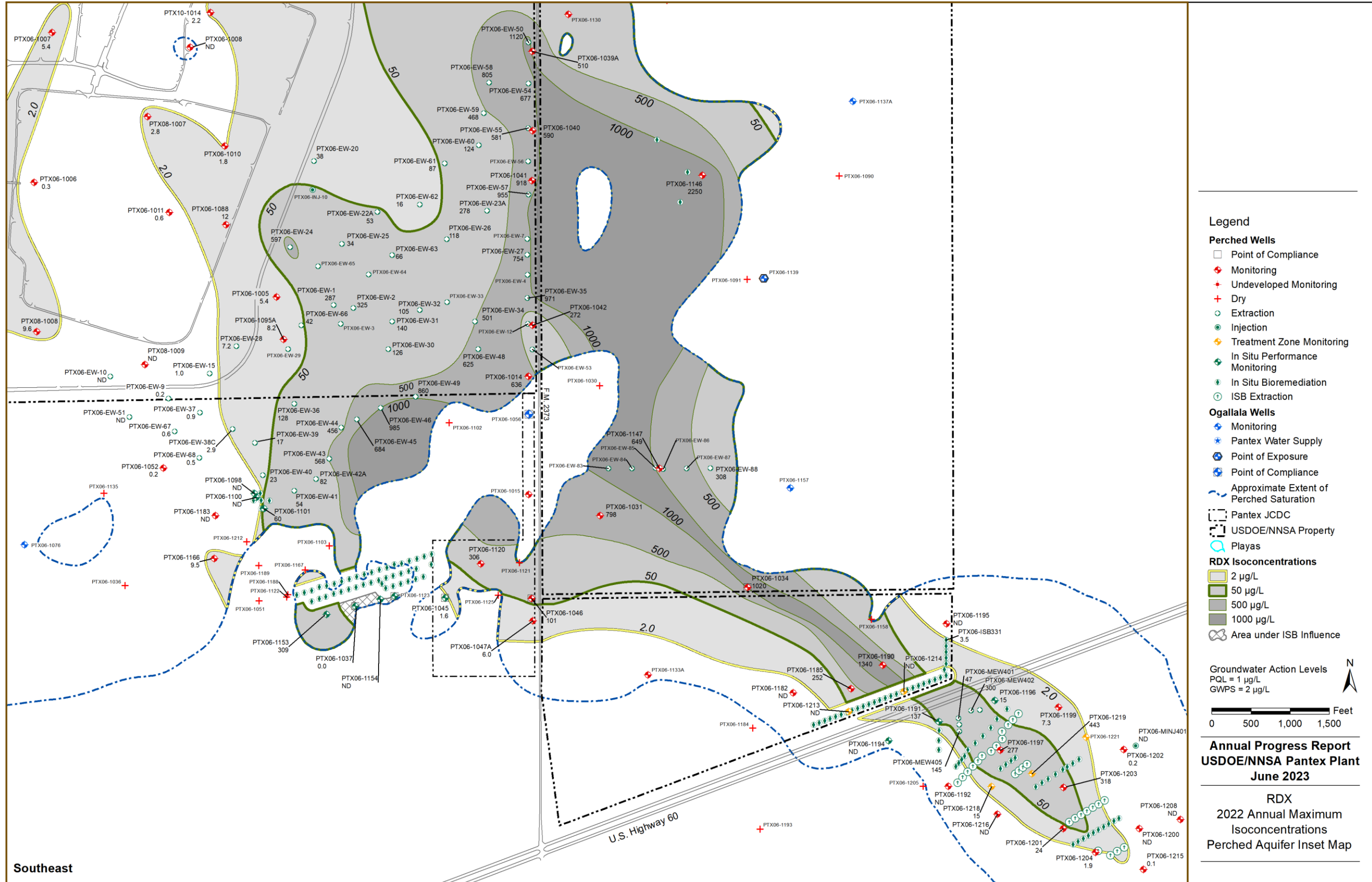
Appendix F  
Perched Aquifer Isoconcentration  
Maps of Indicator Constituents



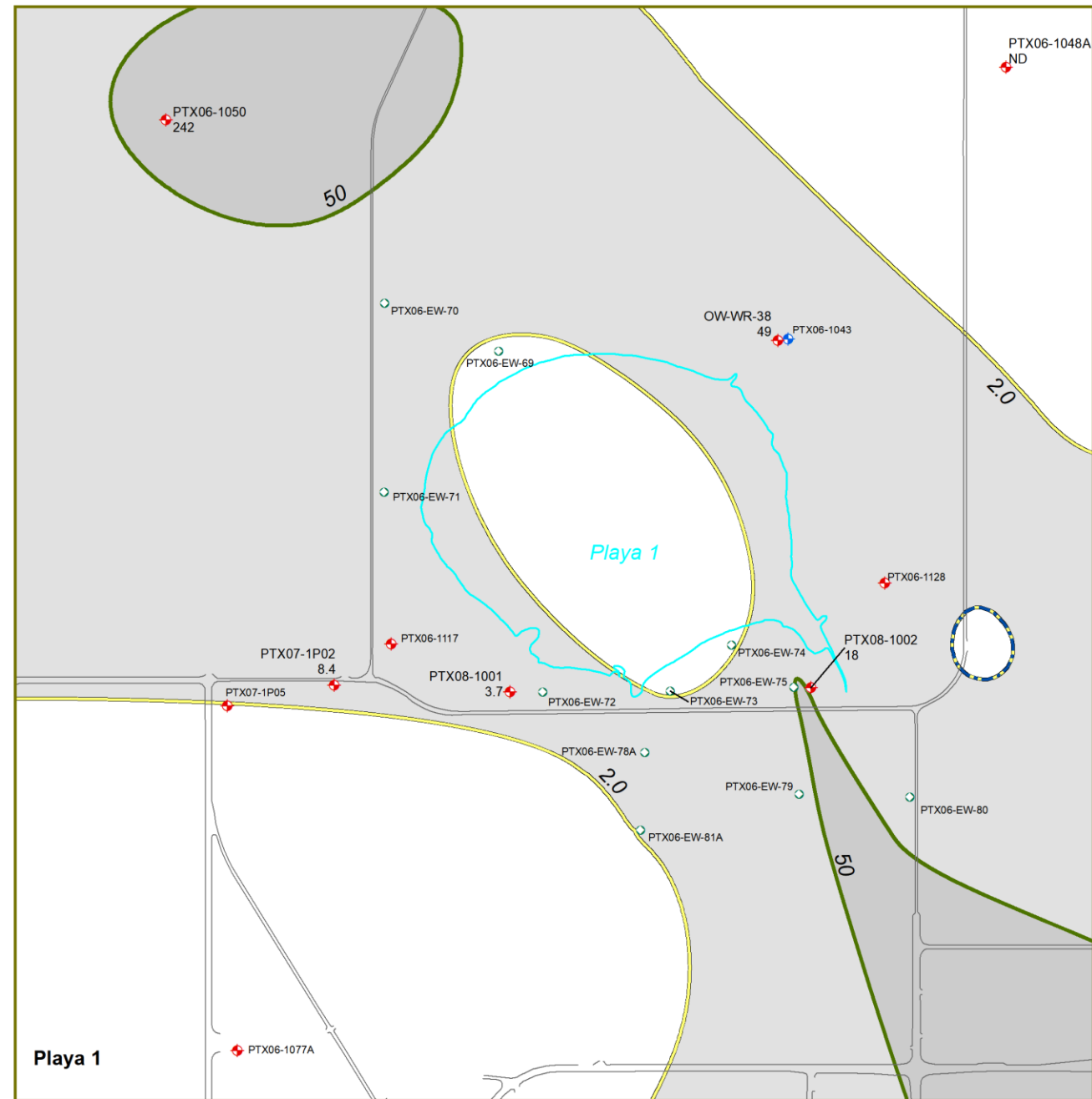
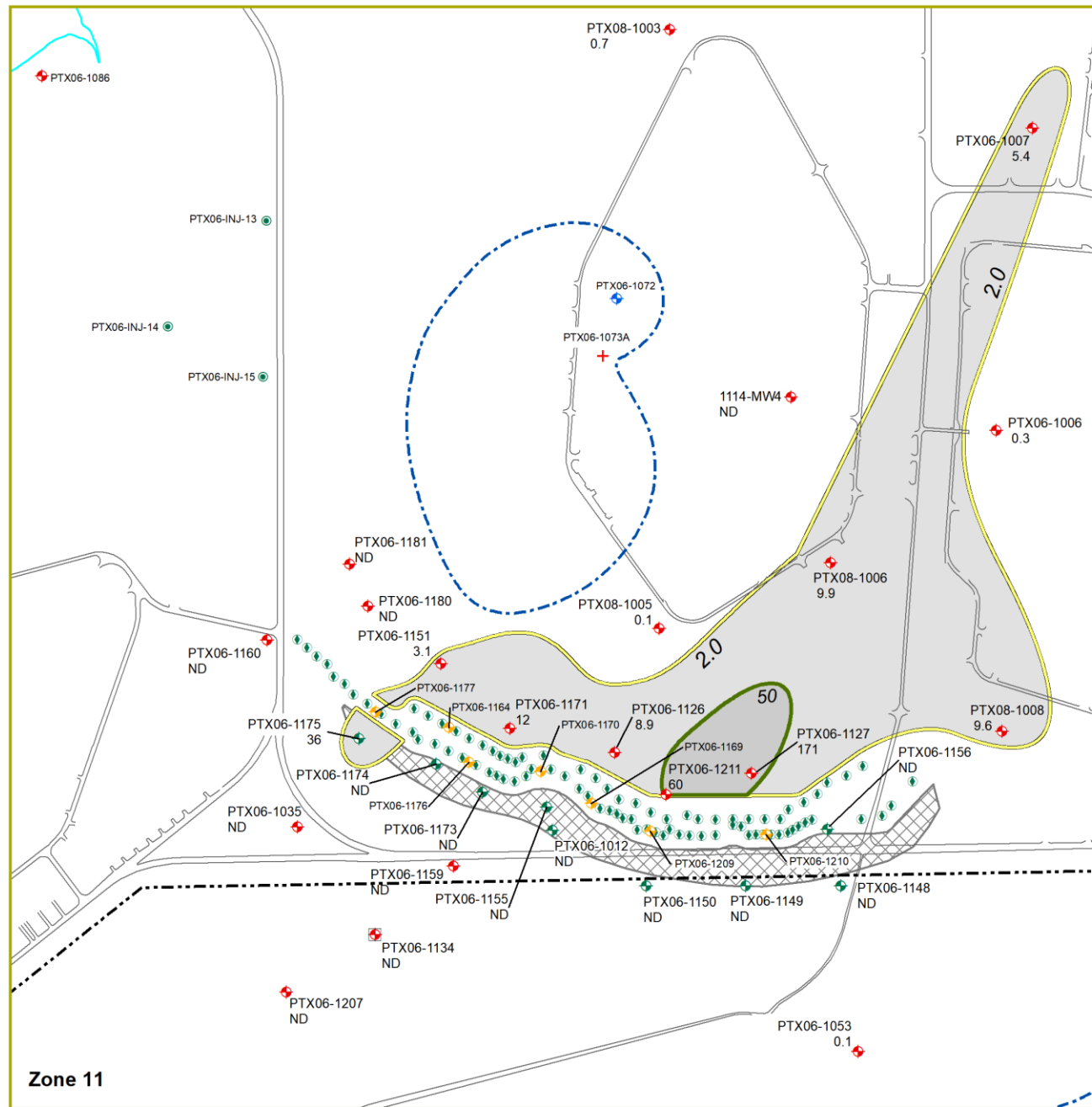
**Perched Aquifer Isoconcentration  
Maps of Indicator Constituents**

This page left intentionally blank.



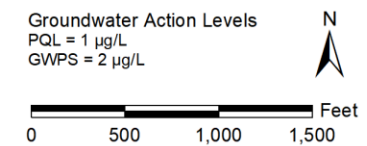


Southeast



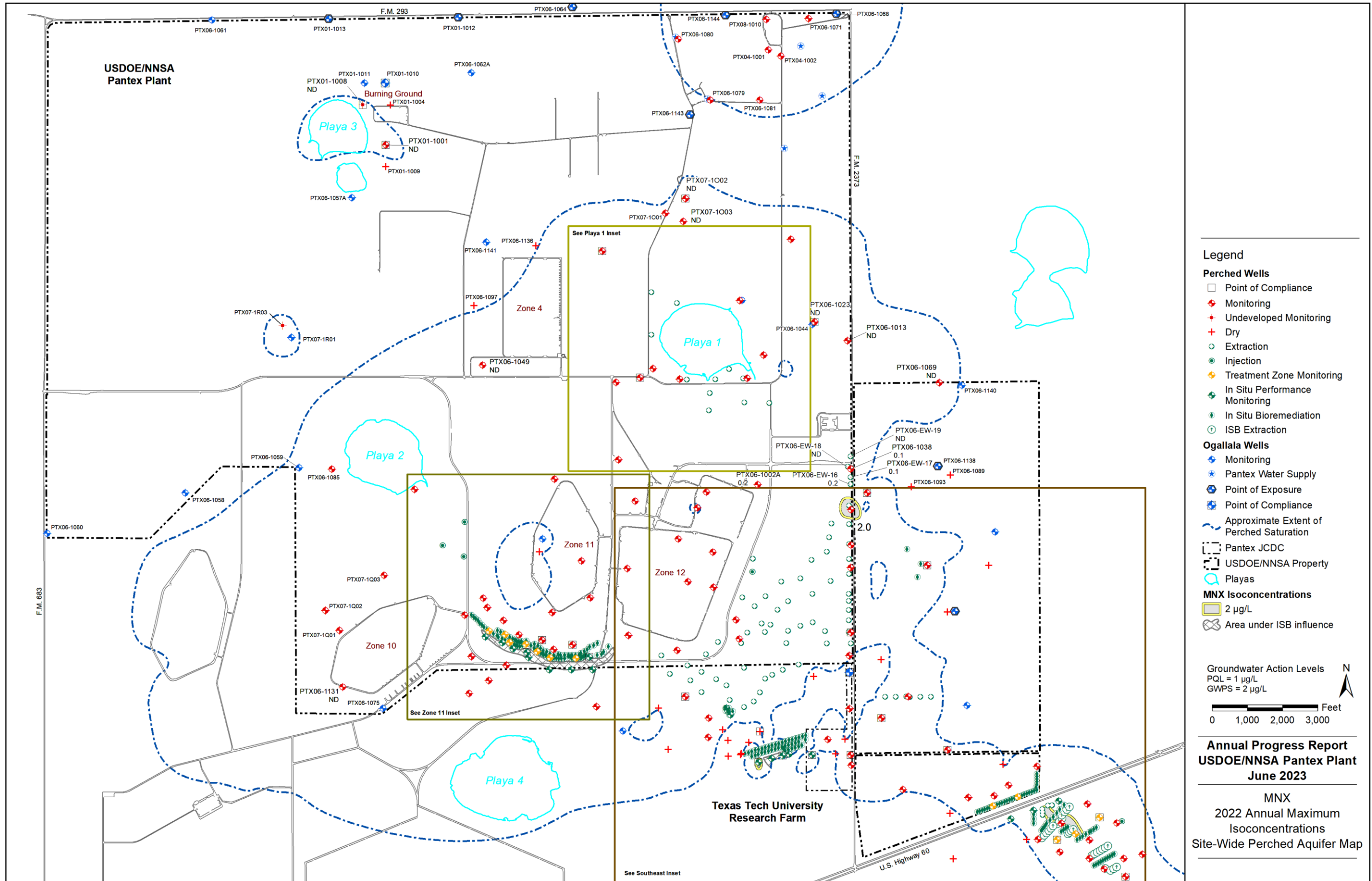
Legend

- |                        |                                |  |                              |
|------------------------|--------------------------------|--|------------------------------|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property          |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                       |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>RDX Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 2 µg/L                       |
| Dry                    | ISB Extraction                 | Point of Compliance                      | 50 µg/L                      |
| Extraction             |                                | Approximate Extent of Perched Saturation | 500 µg/L                     |
|                        |                                | Approximate Extent of Perched Saturation | 1000 µg/L                    |
|                        |                                | Approximate Extent of Perched Saturation | Area under ISB Influence     |



Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

RDX  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps



- Legend**
- Perched Wells**
- Point of Compliance
  - ◆ Monitoring
  - ⊕ Undeveloped Monitoring
  - ⊕ Dry
  - Extraction
  - Injection
  - ⊕ Treatment Zone Monitoring
  - ◆ In Situ Performance Monitoring
  - ◆ In Situ Bioremediation
  - ISB Extraction
- Ogallala Wells**
- ◆ Monitoring
  - ★ Pantex Water Supply
  - ◆ Point of Exposure
  - ◆ Point of Compliance
  - Approximate Extent of Perched Saturation
  - Pantex JCDC
  - USDOE/NNSA Property
  - Playas
- MNX Isoconcentrations**
- 2 µg/L
  - ▨ Area under ISB influence

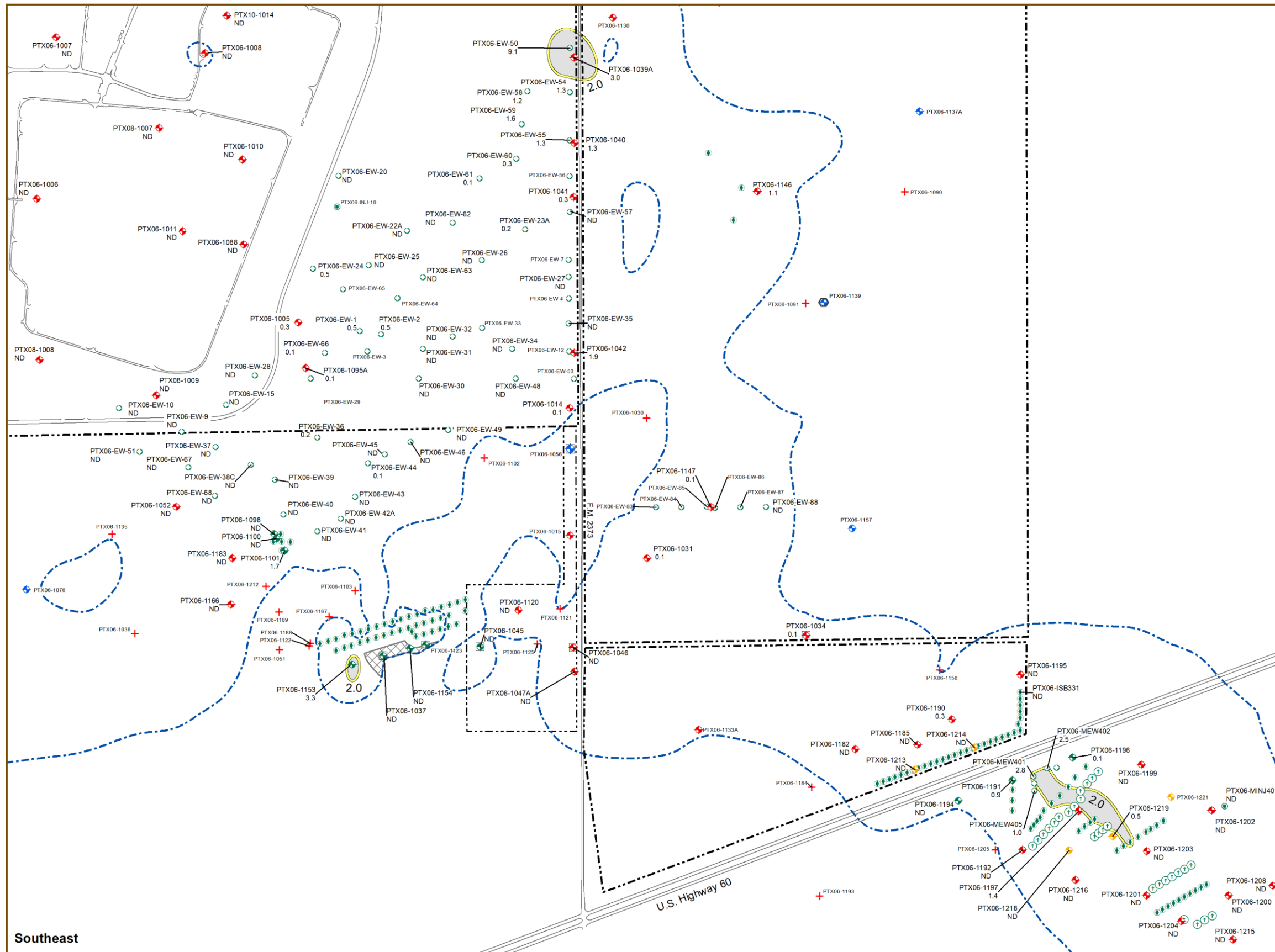
Groundwater Action Levels  
 PQL = 1 µg/L  
 GWPS = 2 µg/L

0 1,000 2,000 3,000 Feet

**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

MNX  
 2022 Annual Maximum  
 Isoconcentrations  
 Site-Wide Perched Aquifer Map





**Legend**

- Perched Wells**
- Point of Compliance
  - ◆ Monitoring
  - ◆ Undeveloped Monitoring
  - ◆ Dry
  - Extraction
  - Injection
  - ◆ Treatment Zone Monitoring
  - ◆ In Situ Performance Monitoring
  - ◆ In Situ Bioremediation
  - ISB Extraction
- Ogallala Wells**
- ◆ Monitoring
  - ◆ Pantex Water Supply
  - ◆ Point of Exposure
  - ◆ Point of Compliance
  - ◆ Approximate Extent of Perched Saturation
  - ◆ Pantex JCDC
  - ◆ USDOE/INNSA Property
  - ◆ Playas
- MNX Isoconcentrations**
- 2 µg/L
  - Area under ISB Influence

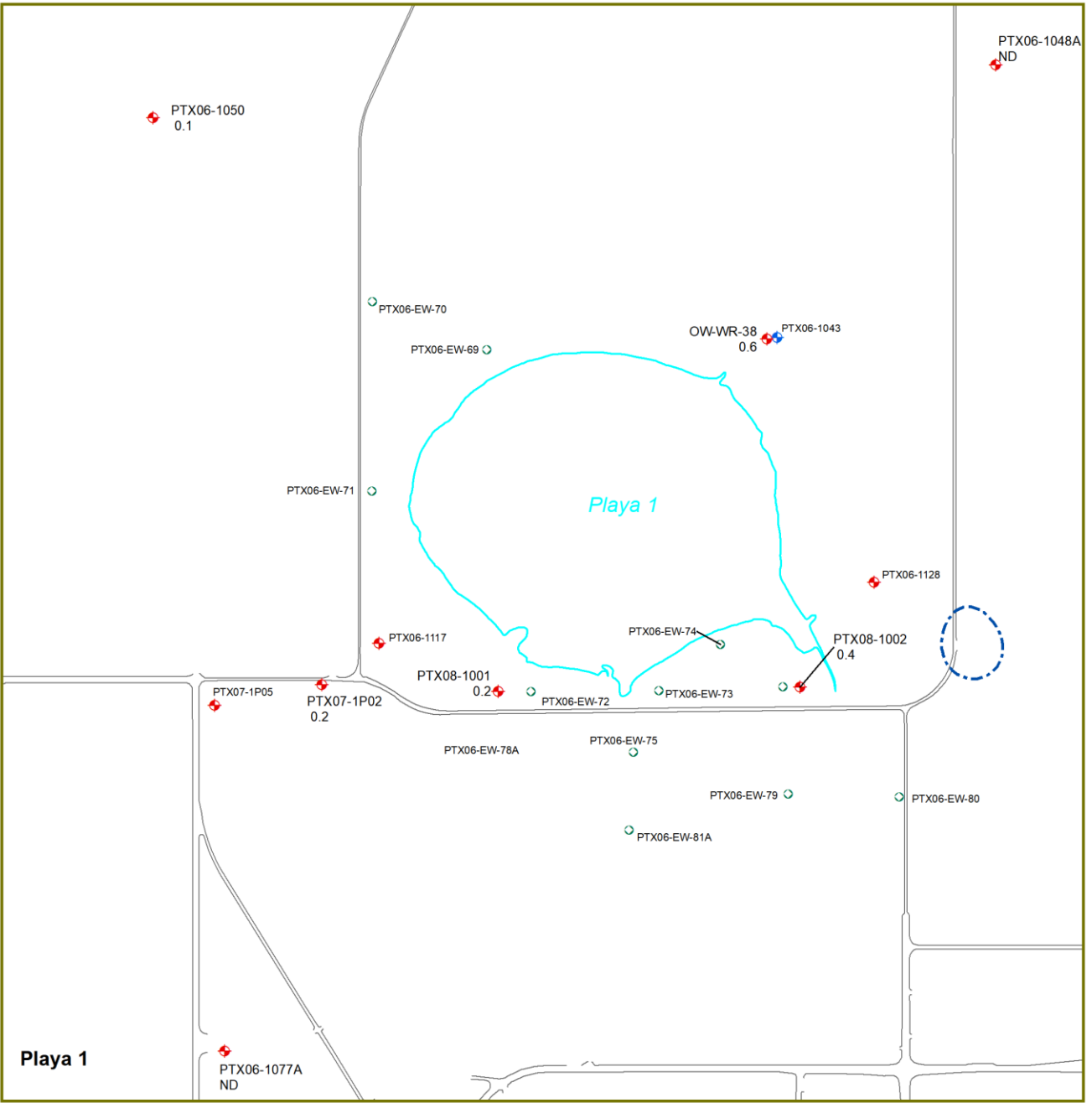
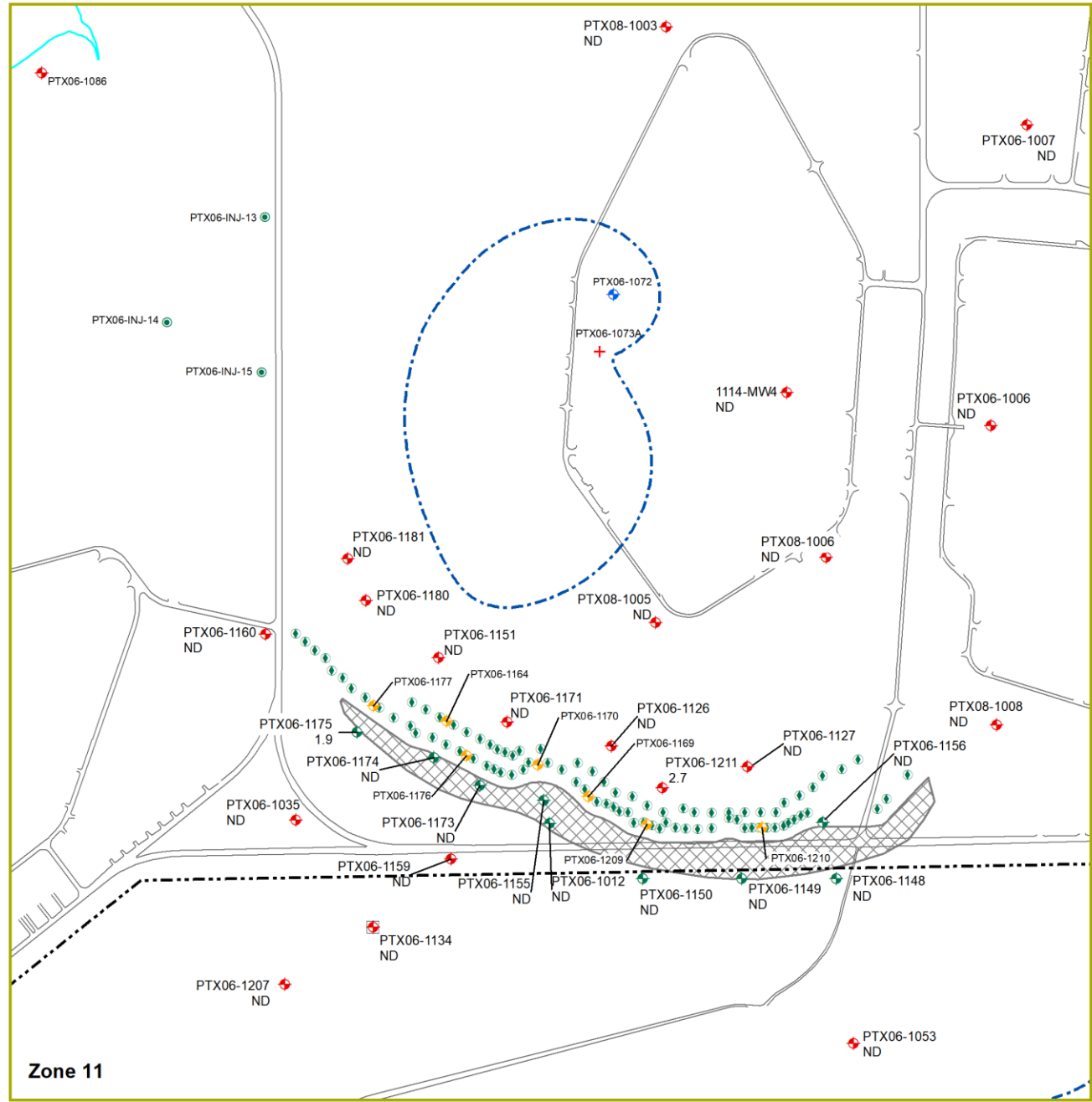
Groundwater Action Levels  
PQL = 1 µg/L  
GWPS = 2 µg/L

0 500 1,000 1,500 Feet

**Annual Progress Report  
USDOE/INNSA Pantex Plant  
June 2023**

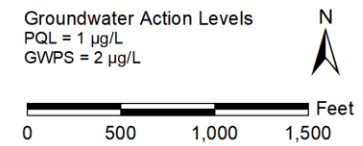
**MNX  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Map**

Southeast



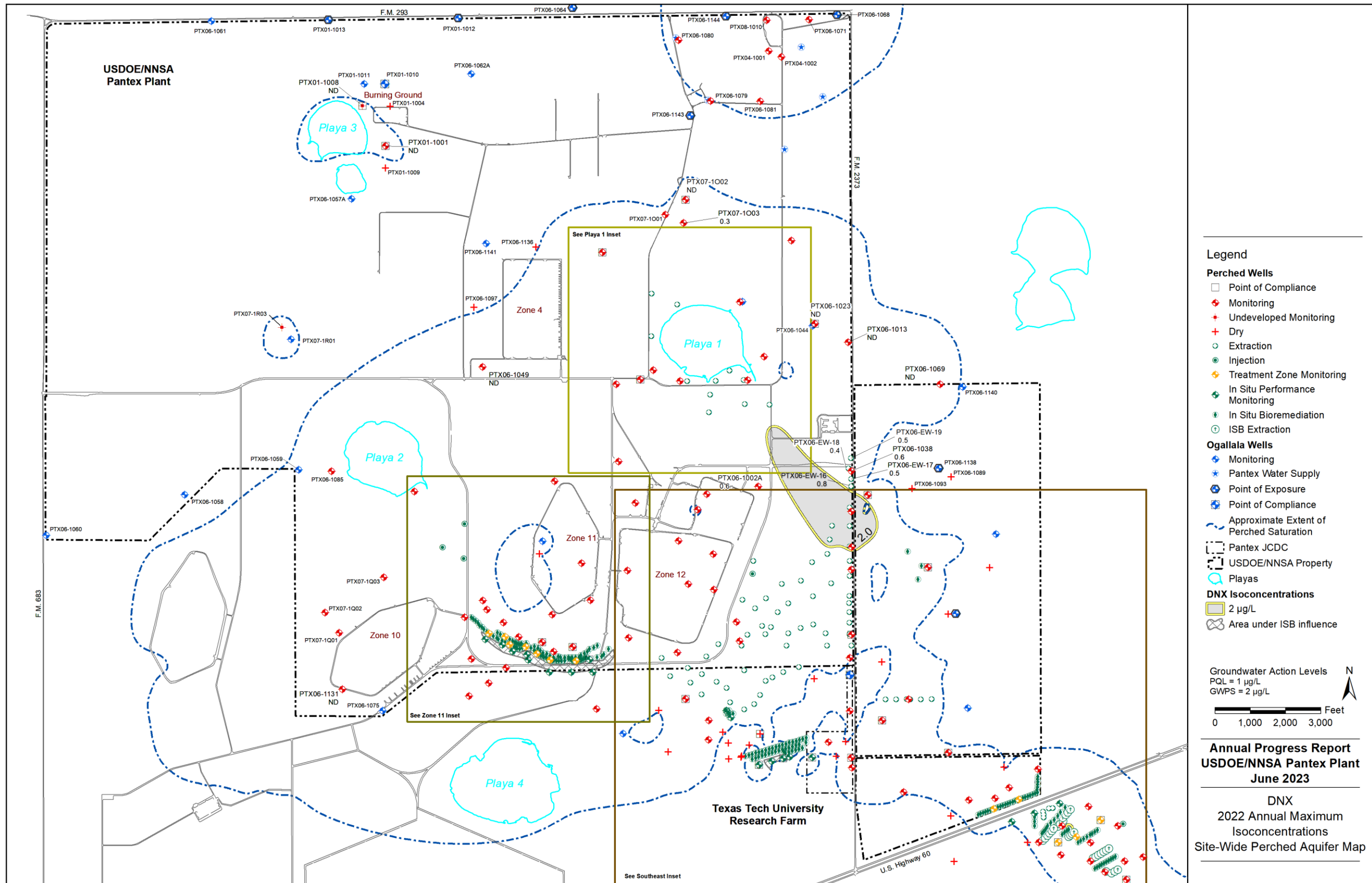
Legend

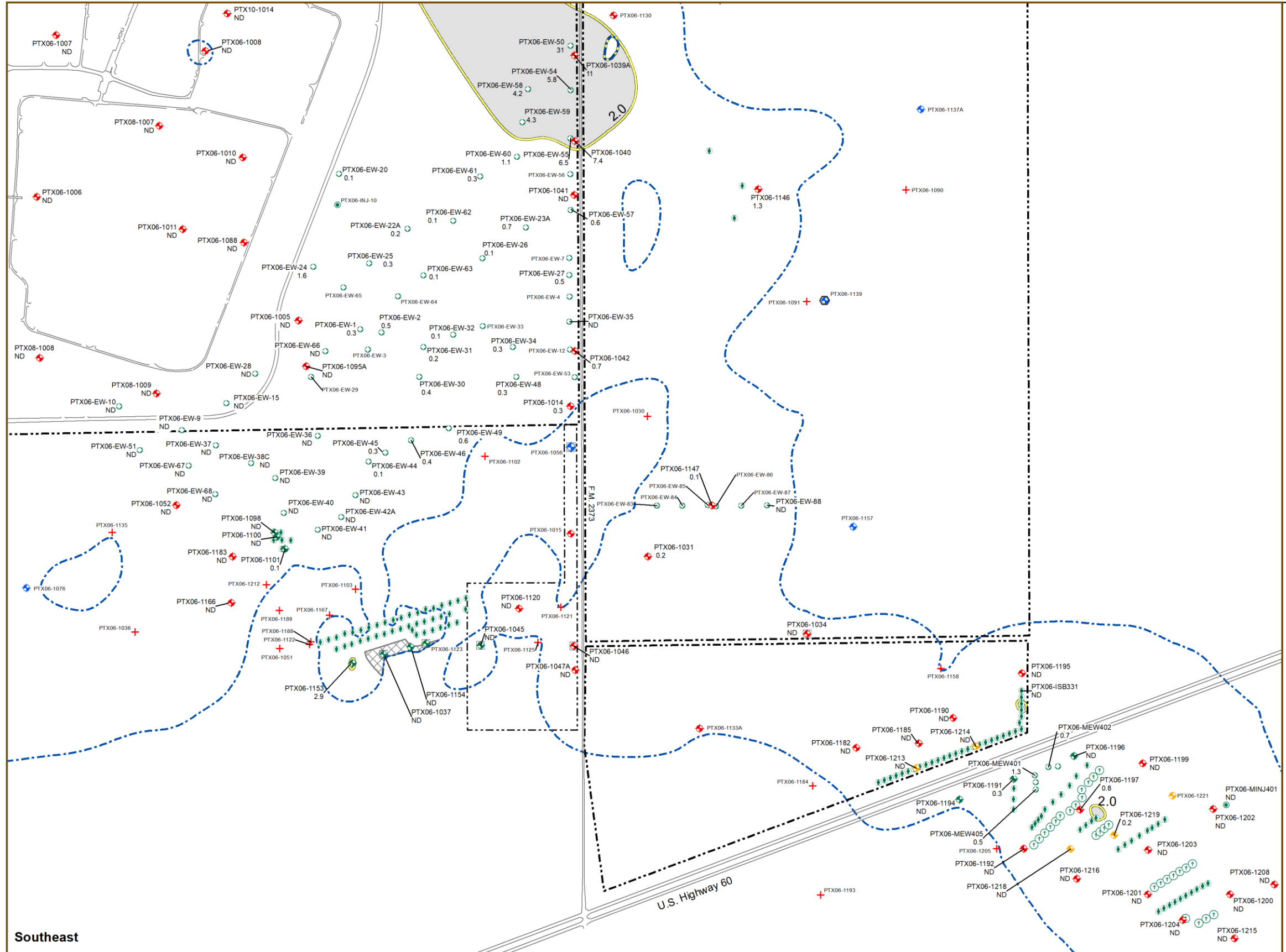
- |                        |                                |  |                              |
|------------------------|--------------------------------|--|------------------------------|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property          |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                       |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>MNX Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 2 µg/L                       |
| Dry                    | ISB Extraction                 | Point of Compliance                      | Area under ISB Influence     |
| Extraction             |                                | Approximate Extent of Perched Saturation |                              |



Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023

MNX  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Maps





**Legend**

**Perched Wells**

- Point of Compliance
- ◆ Monitoring
- + Undeveloped Monitoring
- + Dry
- Extraction
- Injection
- ◆ Treatment Zone Monitoring
- ◆ In Situ Performance Monitoring
- ◆ In Situ Bioremediation
- ISB Extraction

**Ogallala Wells**

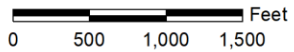
- ◆ Monitoring
- ◆ Pantex Water Supply
- ◆ Point of Exposure
- ◆ Point of Compliance
- ◆ Approximate Extent of Perched Saturation

- Pantex JCDC
- USDOE/NNSA Property
- Playas

**DNX Isoconcentrations**

- 2 µg/L
- ⊗ Area under ISB Influence

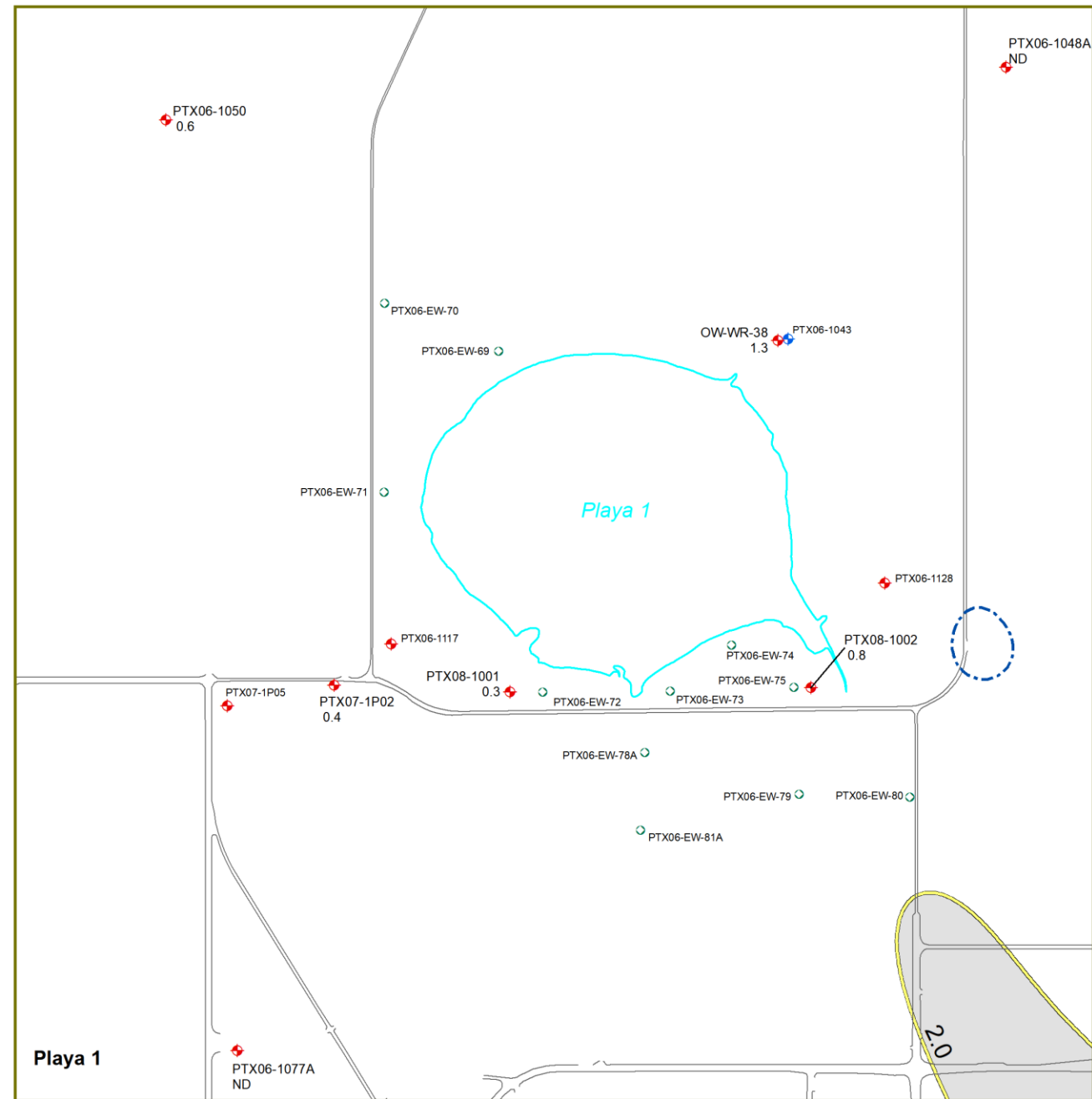
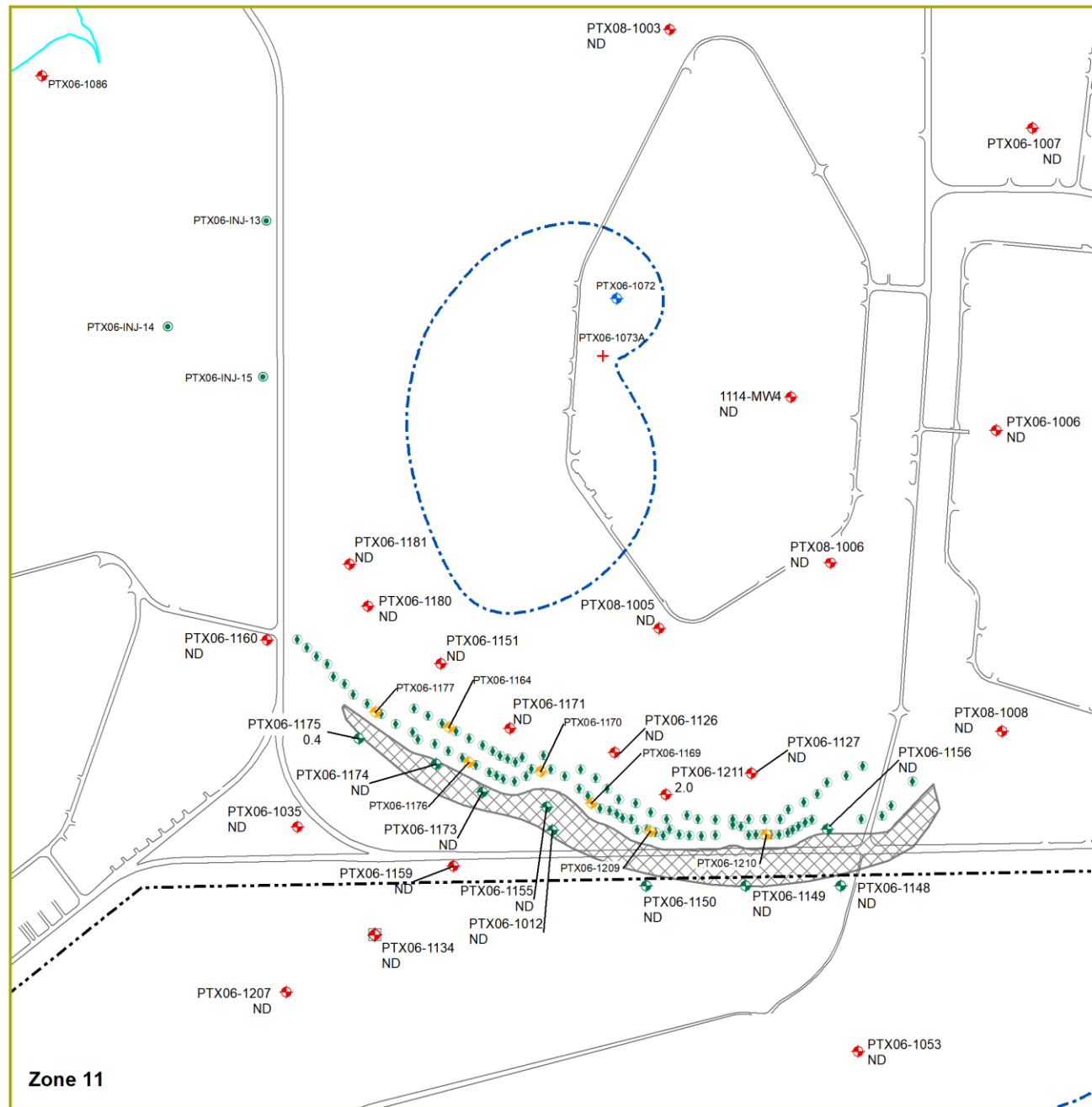
Groundwater Action Levels  
 PQL = 1 µg/L  
 GWPS = 2 µg/L



**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

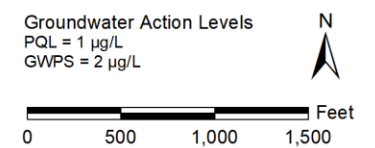
**DNX  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Map**

Southeast



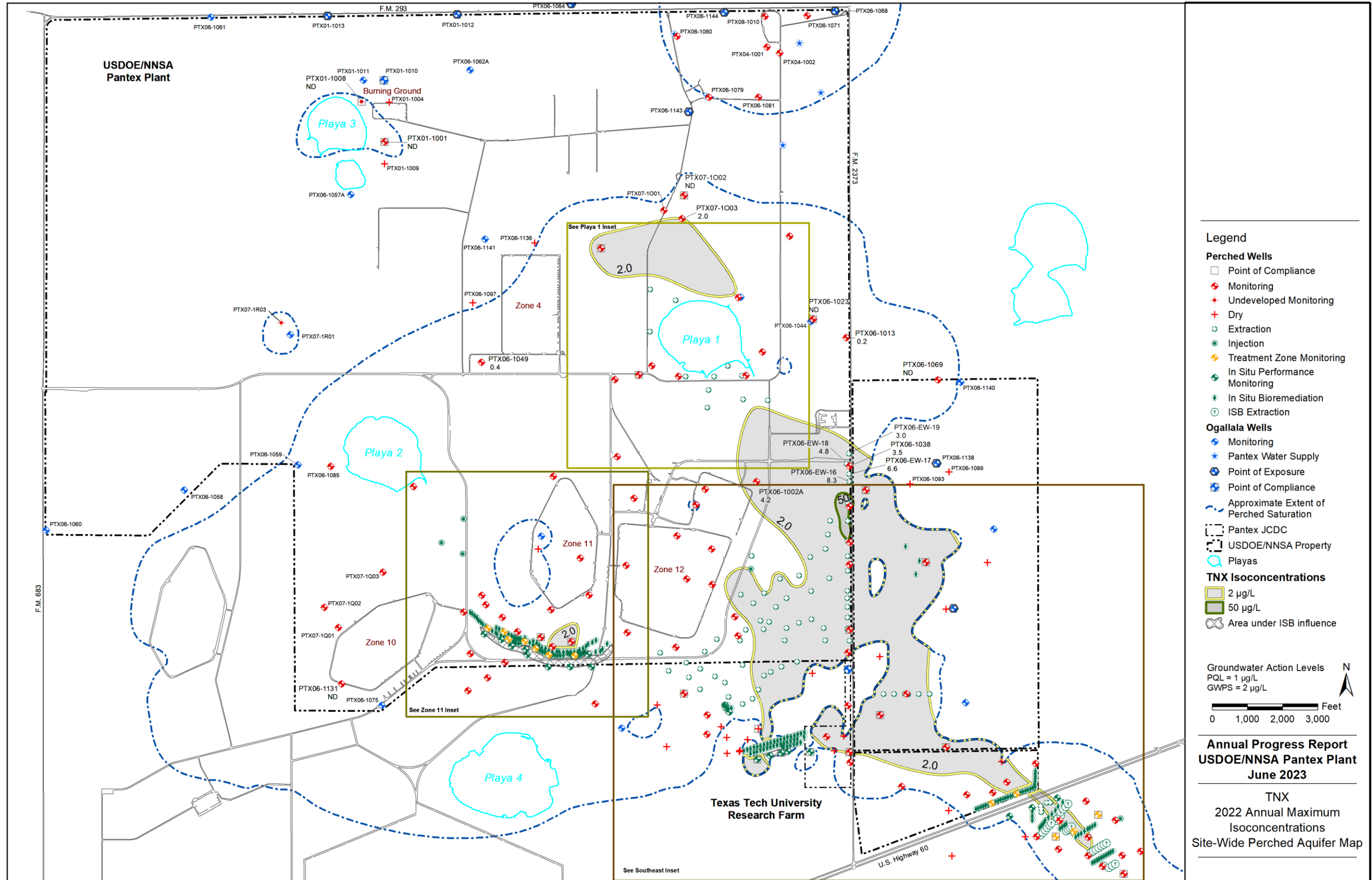
Legend

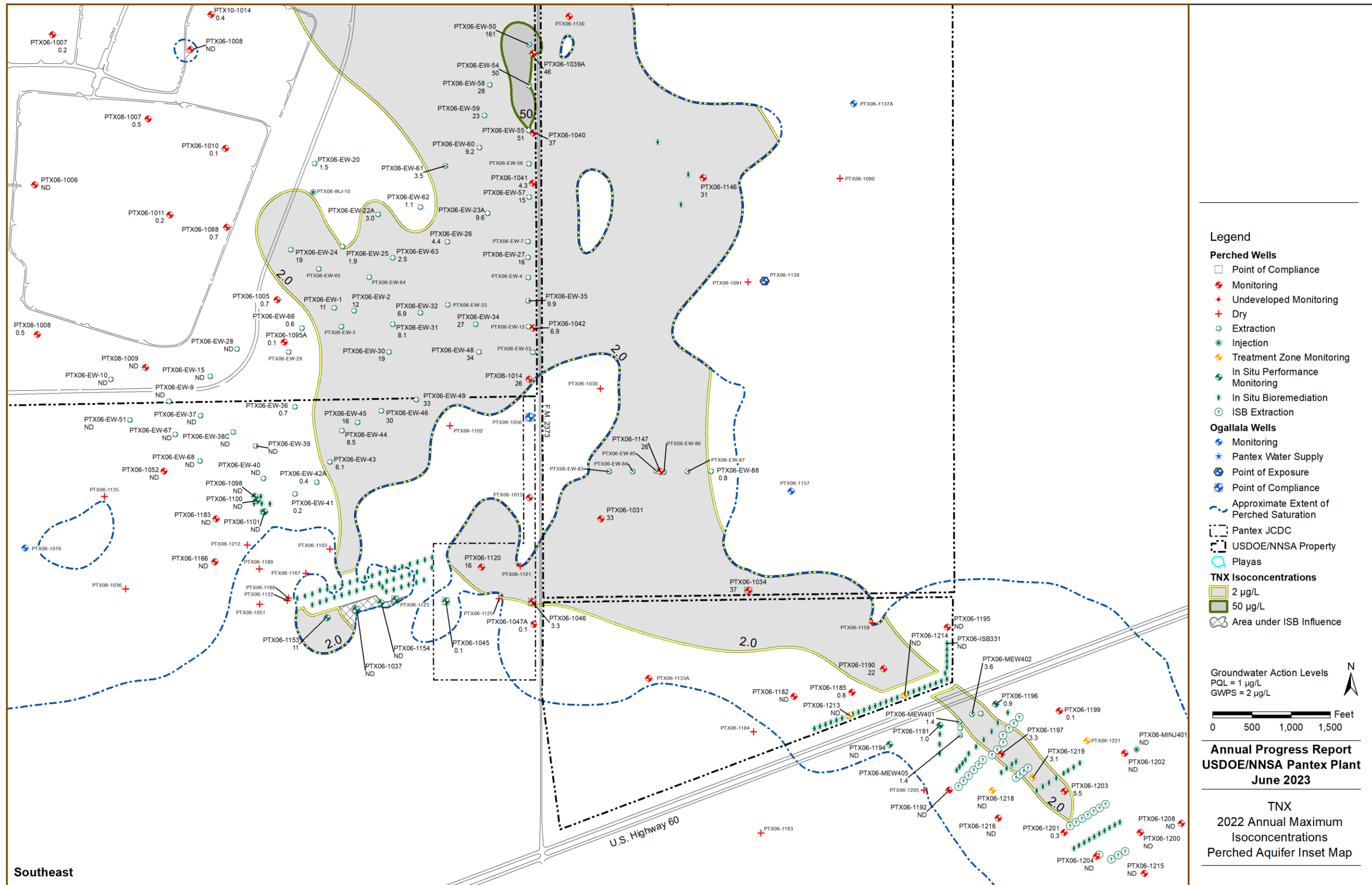
- |                        |                                |  |                              |
|------------------------|--------------------------------|--|------------------------------|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property          |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                       |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>DNX Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 2 µg/L                       |
| Dry                    | ISB Extraction                 | Point of Compliance                      | Area under ISB Influence     |
| Extraction             |                                | Approximate Extent of Perched Saturation |                              |

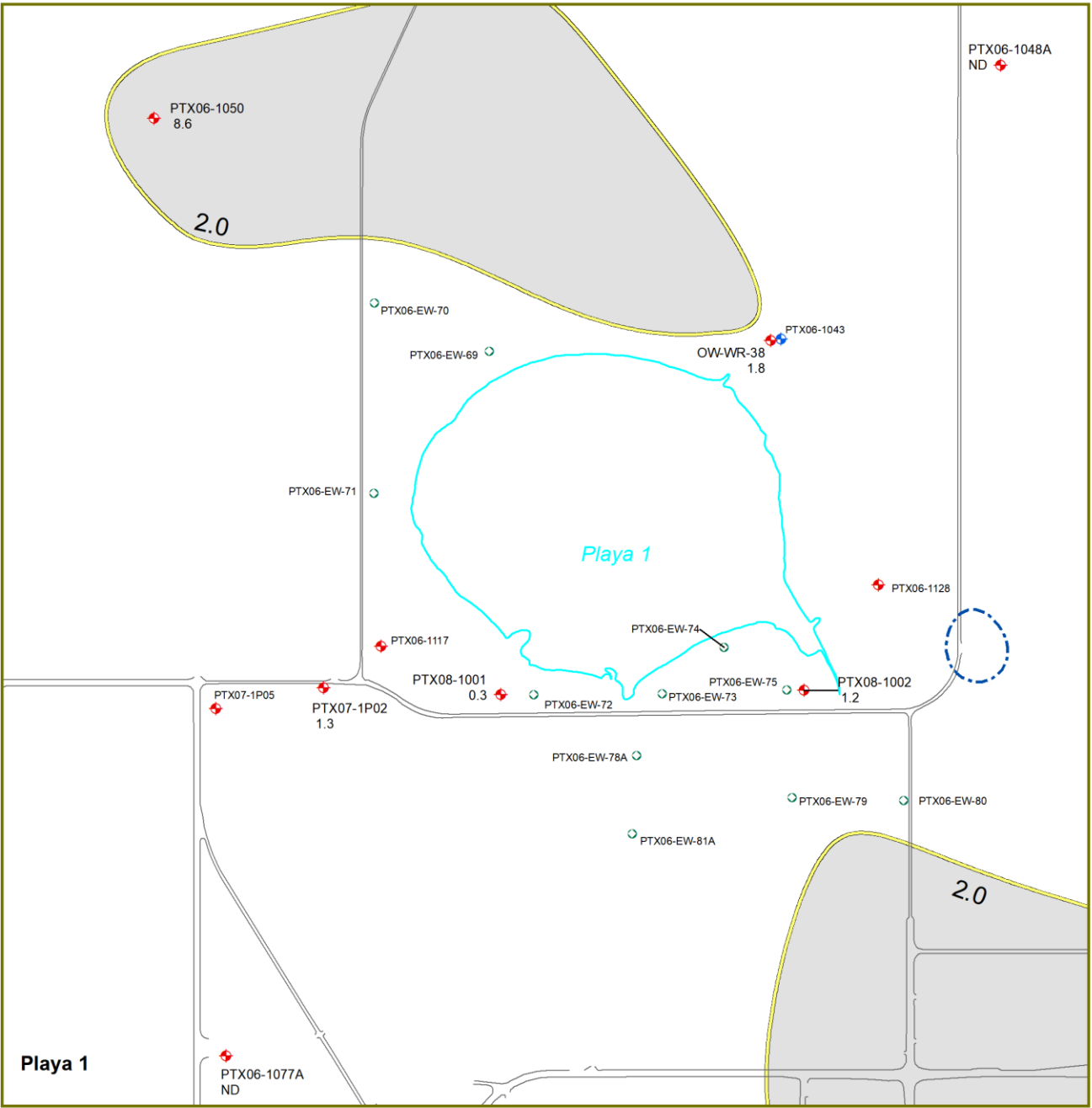
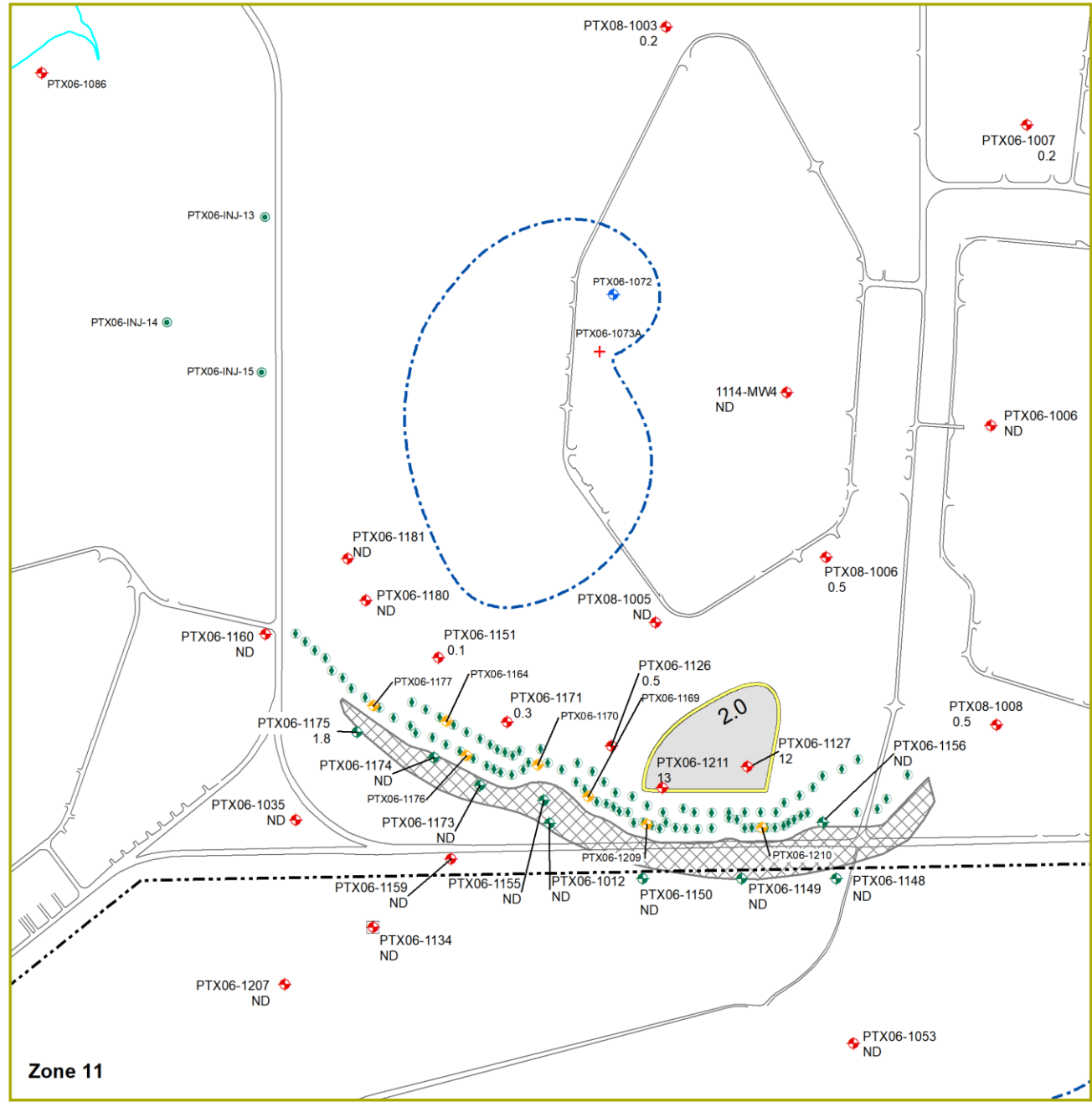


Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

DNX  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps

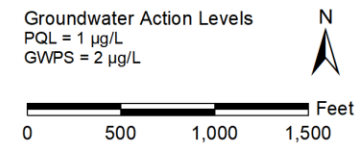






Legend

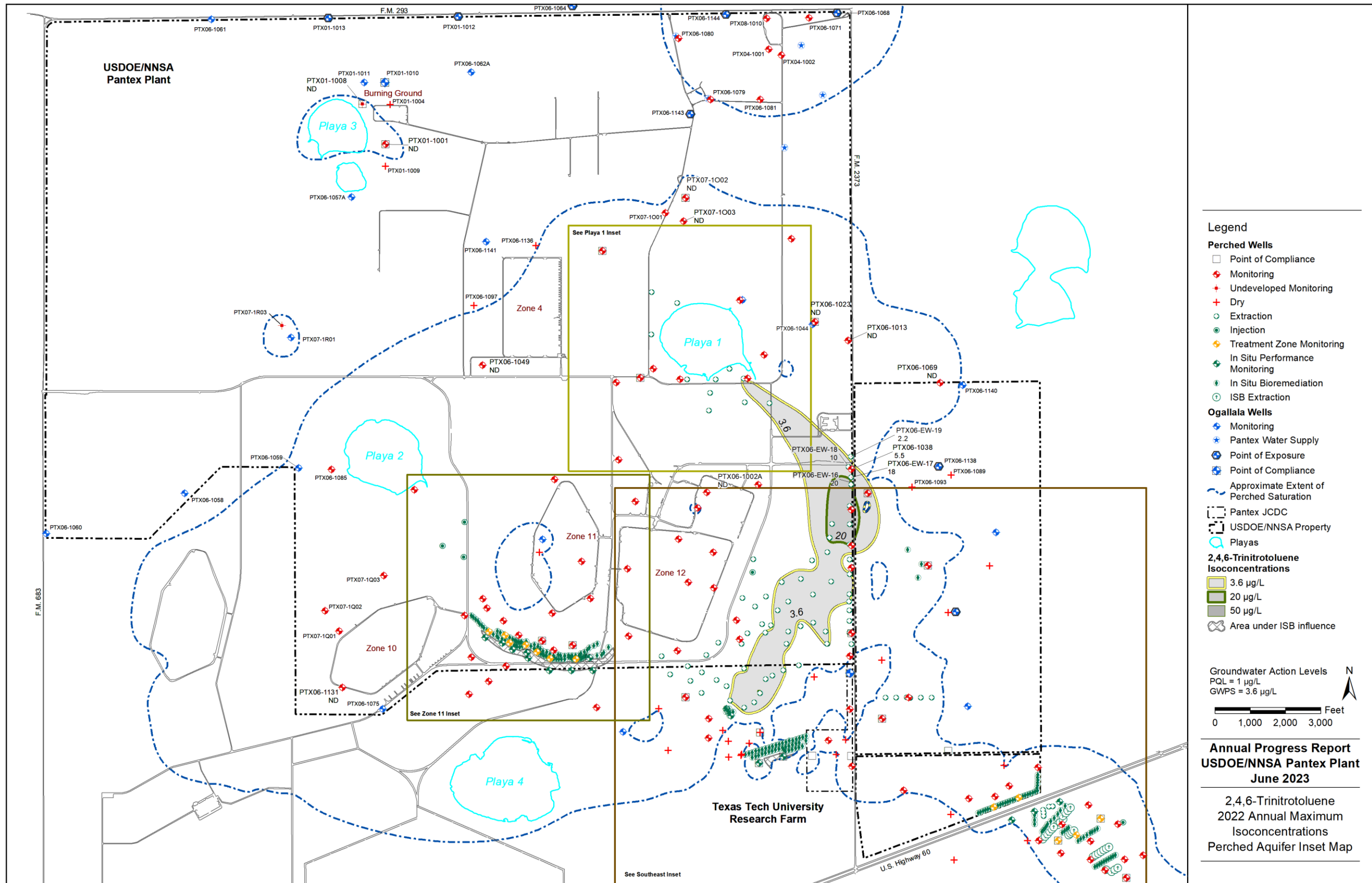
- |                        |                                |  |                              |
|------------------------|--------------------------------|--|------------------------------|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property          |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                       |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>TNX Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 2 µg/L                       |
| Dry                    | Permeable Reactive Barrier     | Point of Compliance                      | 50 µg/L                      |
| Extraction             |                                | Approximate Extent of Perched Saturation | Area under ISB Influence     |

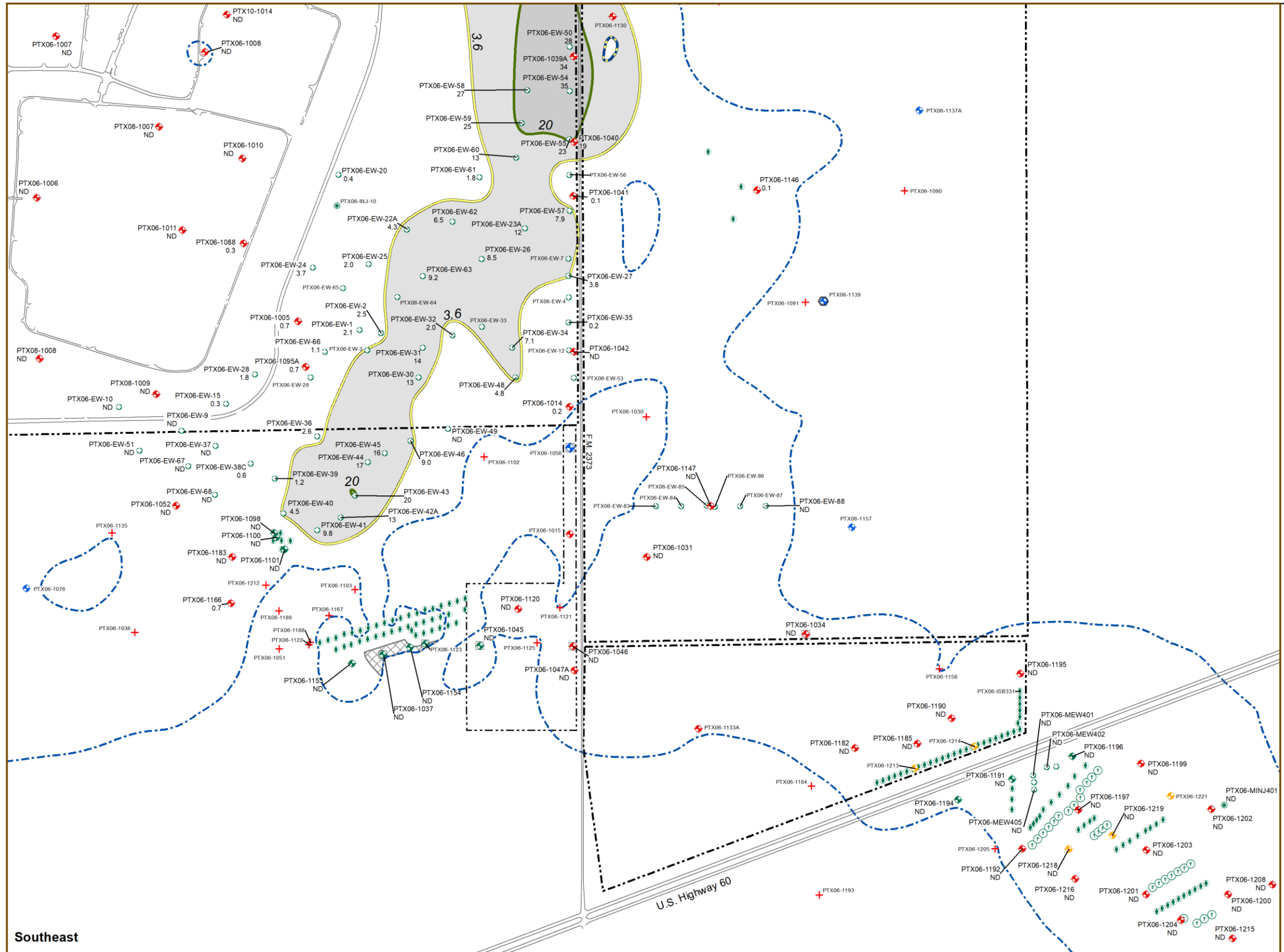


Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

TNX  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps







**Legend**

- Perched Wells**
- Point of Compliance
  - ⊕ Monitoring
  - ⊕ Undeveloped Monitoring
  - ⊕ Dry
  - ⊖ Extraction
  - ⊖ Injection
  - ⊕ Treatment Zone Monitoring
  - ⊕ In Situ Performance Monitoring
  - ⊕ In Situ Bioremediation
  - ⊖ ISB Extraction

- Ogallala Wells**
- ⊕ Monitoring
  - ⊕ Pantex Water Supply
  - ⊕ Point of Exposure
  - ⊕ Point of Compliance
  - ⊕ Approximate Extent of Perched Saturation
  - ⊕ Pantex JCDC
  - ⊕ USDOE/NNSA Property
  - ⊕ Playas

- 2,4,6-Trinitrotoluene Isoconcentrations**
- 3.6 µg/L
  - 20 µg/L
  - 50 µg/L
  - ⊕ Area under ISB Influence

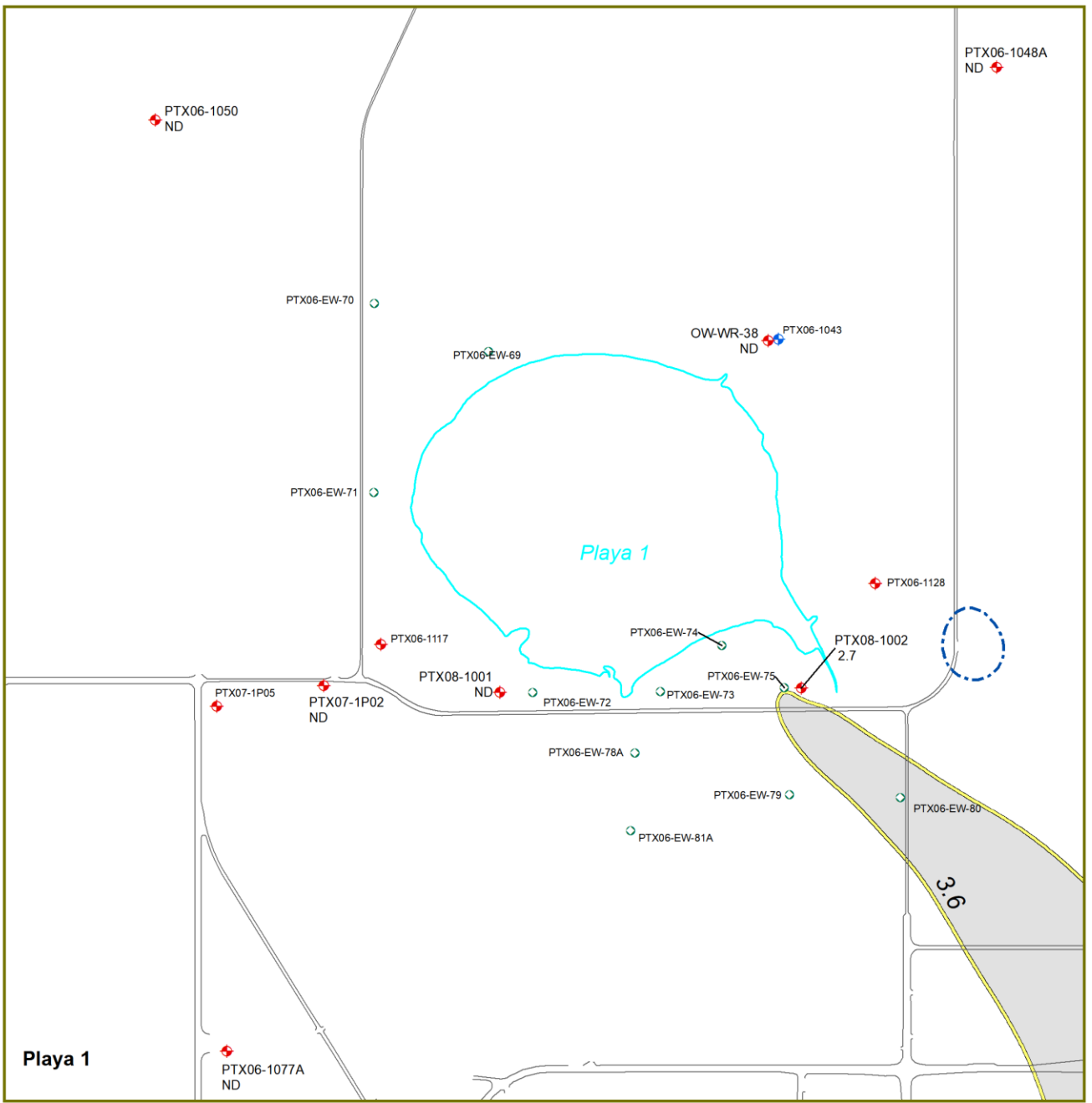
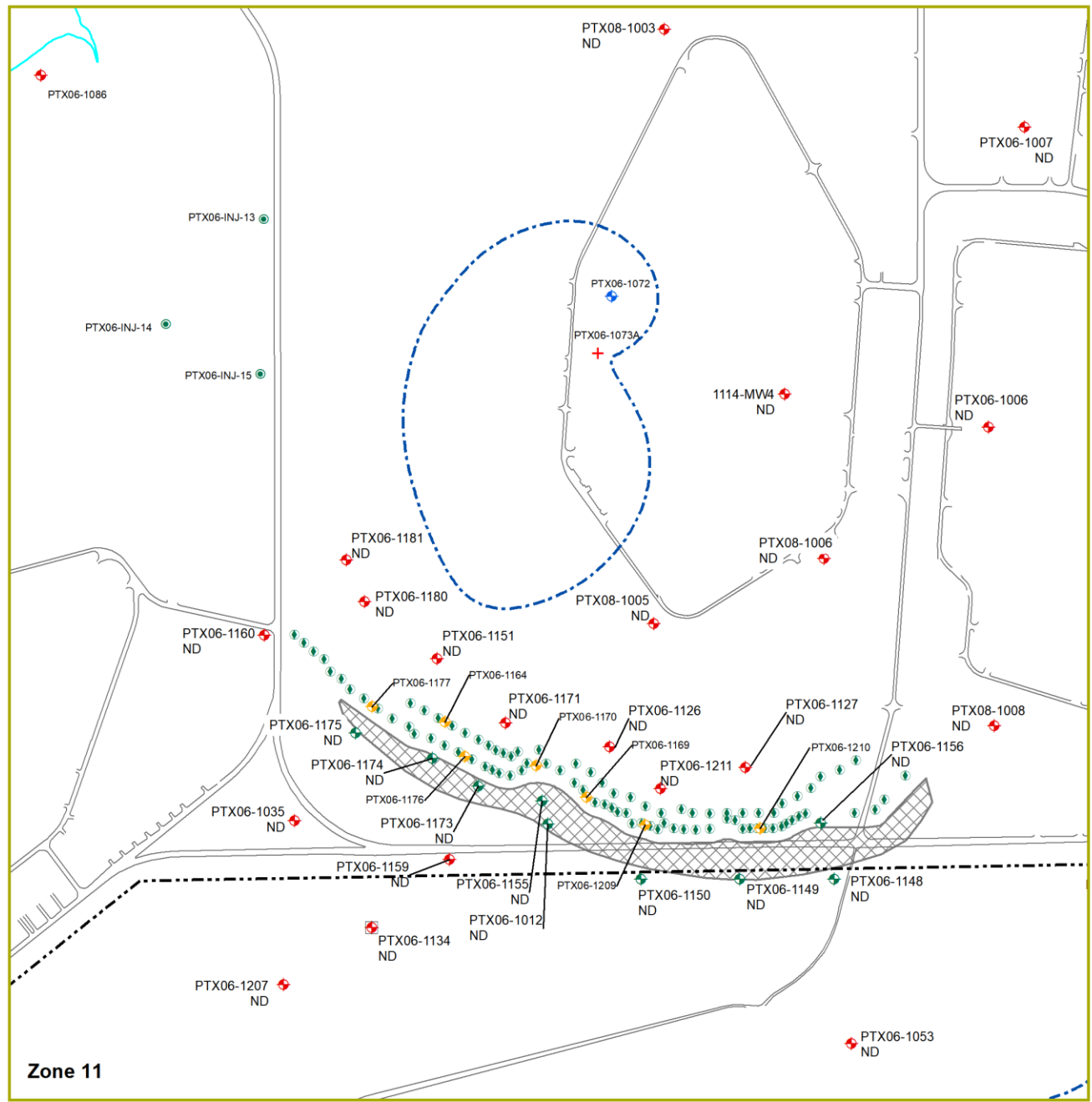
Groundwater Action Levels  
 PQL = 1 µg/L  
 GWPS = 3.6 µg/L

0 500 1,000 1,500 Feet

**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

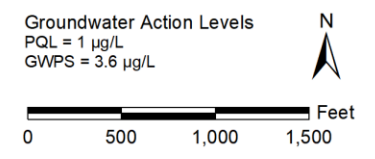
**2,4,6-Trinitrotoluene  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Map**

Southeast



Legend

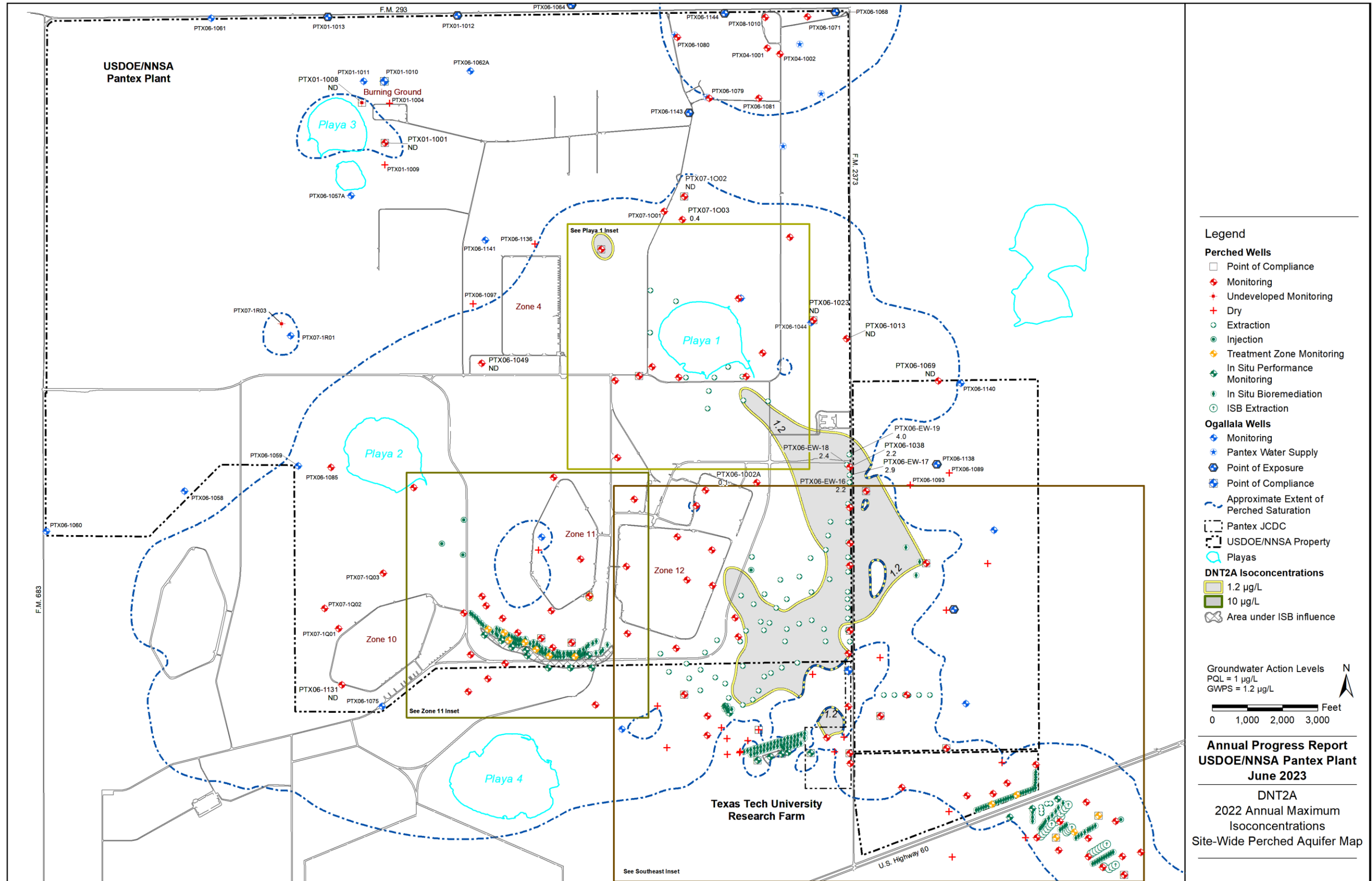
- |                          |                                  |  |  |
|--------------------------|----------------------------------|--|--|
| <b>Perched Wells</b>     | <b>Injection</b>                 | <b>Ogallala Wells</b>                      | <b>USDOE/NNSA Property</b>                     |
| □ Point of Compliance    | ● Injection                      | ● Monitoring                               | □ Playas                                       |
| ◆ Monitoring             | ◆ Treatment Zone Monitoring      | ◆ Pantex Water Supply                      | <b>2,4,6-Trinitrotoluene Isoconcentrations</b> |
| ◆ Undeveloped Monitoring | ◆ In Situ Performance Monitoring | ◆ Point of Exposure                        | □ 3.6 µg/L                                     |
| ◆ Dry                    | ◆ In Situ Bioremediation         | ◆ Point of Compliance                      | □ 20 µg/L                                      |
| ○ Extraction             | ○ ISB Extraction                 | ◆ Approximate Extent of Perched Saturation | □ 50 µg/L                                      |
|                          |                                  | ◆ Area under ISB Influence                 |  |



Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

2,4,6-Trinitrotoluene  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps

Groundwater Action Levels  
PQL = 1 µg/L  
GWPS = 3.6 µg/L



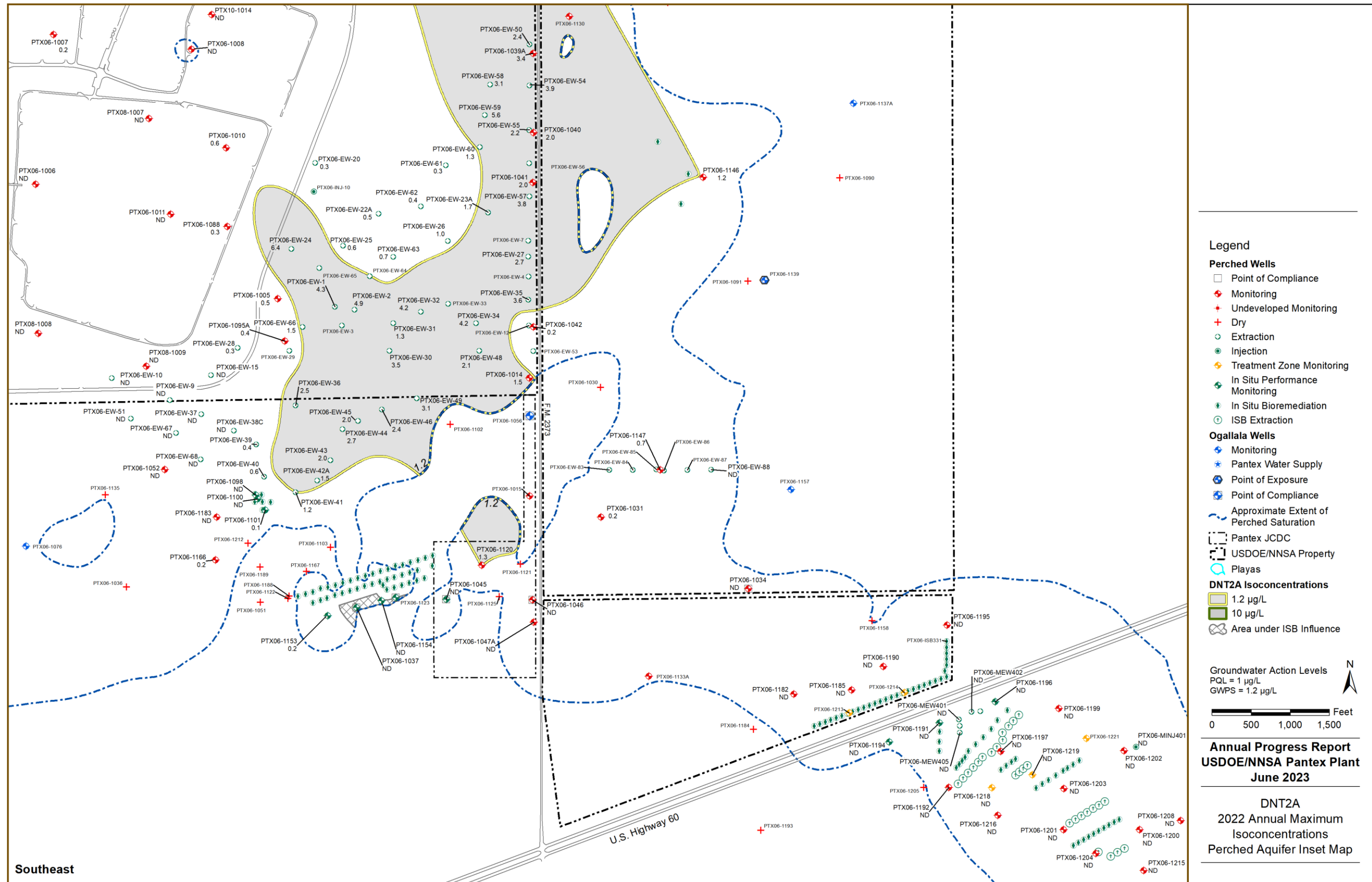
- Legend**
- Perched Wells**
- Point of Compliance
  - ◆ Monitoring
  - ◆ Undeveloped Monitoring
  - ◆ Dry
  - Extraction
  - Injection
  - ◆ Treatment Zone Monitoring
  - ◆ In Situ Performance Monitoring
  - ◆ In Situ Bioremediation
  - ISB Extraction
- Ogallala Wells**
- ◆ Monitoring
  - ◆ Pantex Water Supply
  - ◆ Point of Exposure
  - ◆ Point of Compliance
- Other Features**
- Approximate Extent of Perched Saturation
  - - - Pantex JCDC
  - - - USDOE/NNSA Property
  - Playas
- DNT2A Isoconcentrations**
- 1.2 µg/L
  - 10 µg/L
  - ▨ Area under ISB influence

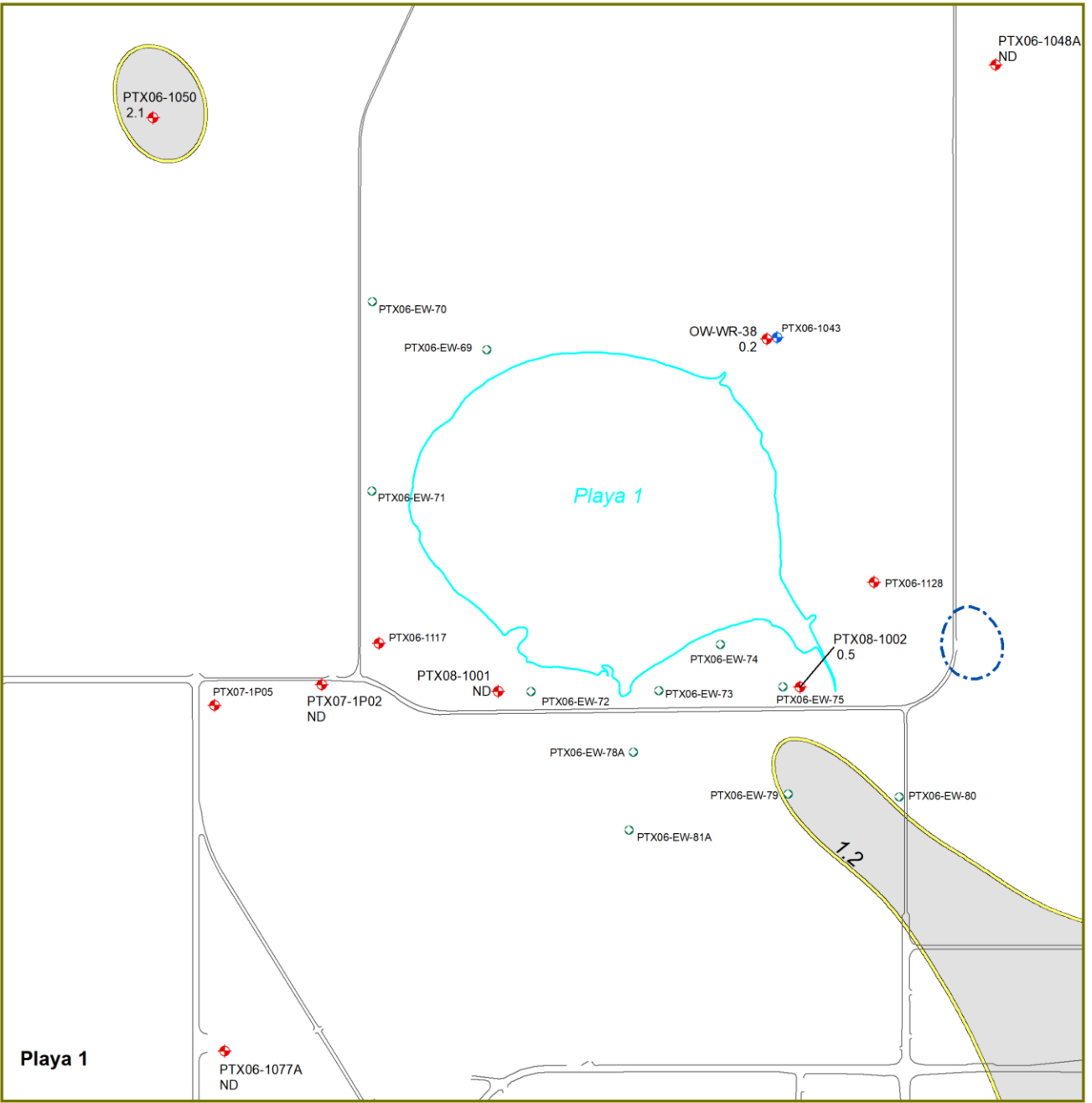
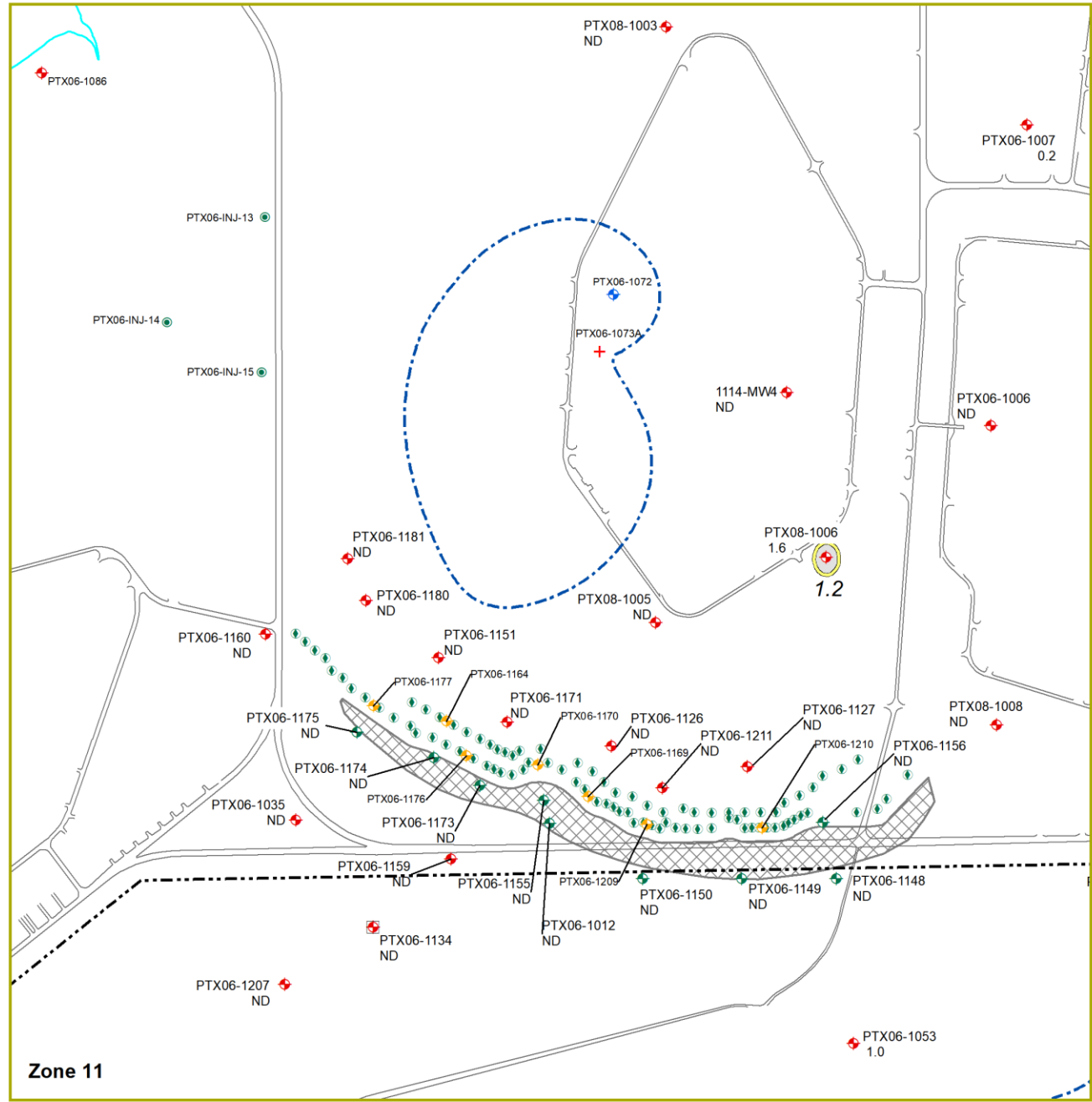
Groundwater Action Levels  
 PQL = 1 µg/L  
 GWPS = 1.2 µg/L

0 1,000 2,000 3,000 Feet

**Annual Progress Report**  
**USDOE/NNSA Pantex Plant**  
**June 2023**

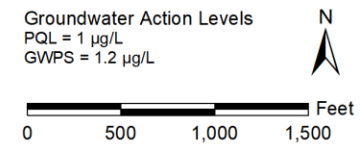
DNT2A  
 2022 Annual Maximum  
 Isoconcentrations  
 Site-Wide Perched Aquifer Map





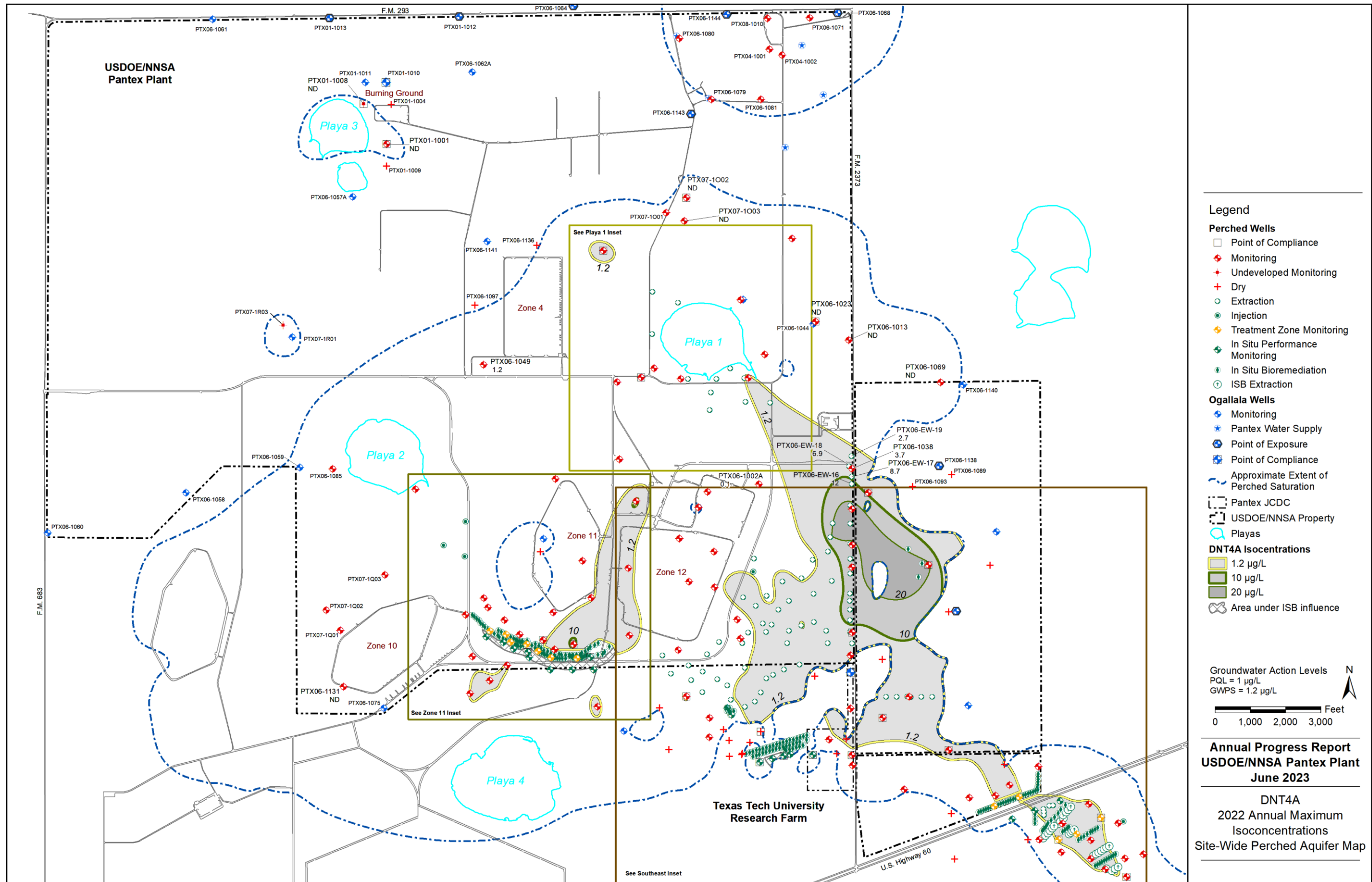
Legend

- |                        |                                |  |                                |
|------------------------|--------------------------------|--|--------------------------------|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property            |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                         |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>DNT2A Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 1.2 µg/L                       |
| Dry                    | ISB Extraction                 | Point of Compliance                      | 10 µg/L                        |
| Extraction             |                                | Approximate Extent of Perched Saturation | Area under ISB Influence       |



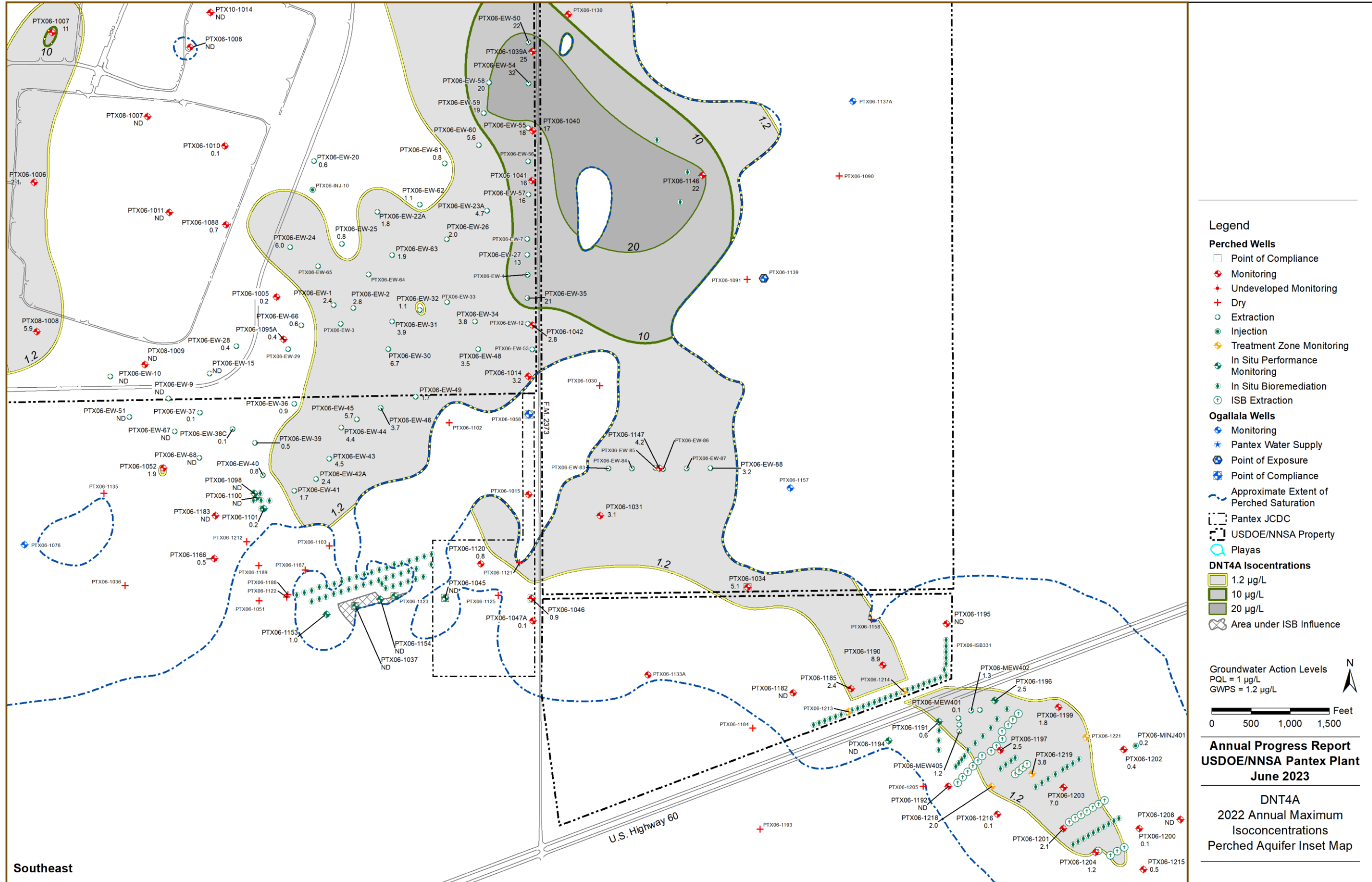
Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023

DNT2A  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Maps



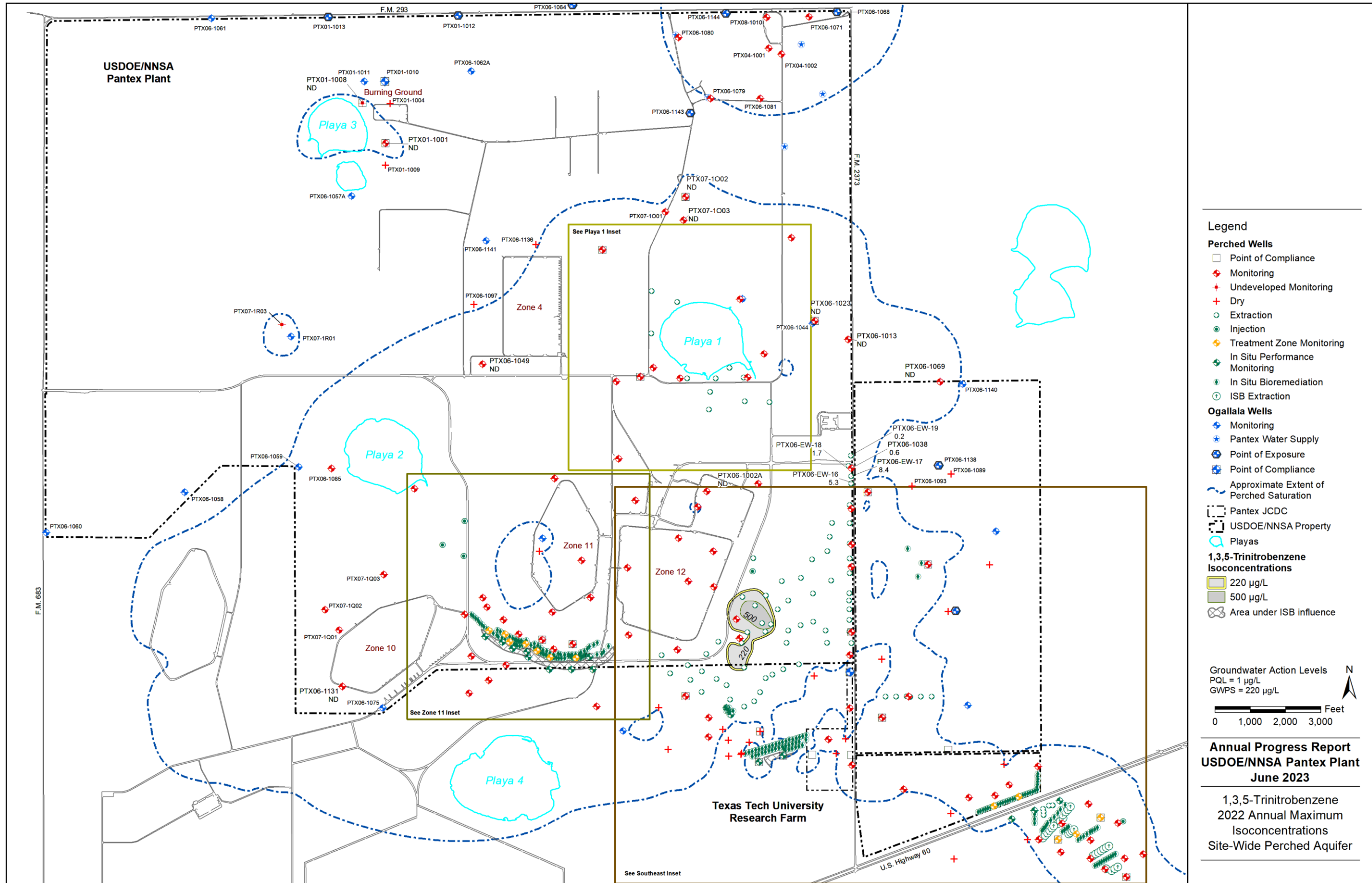
**Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023**

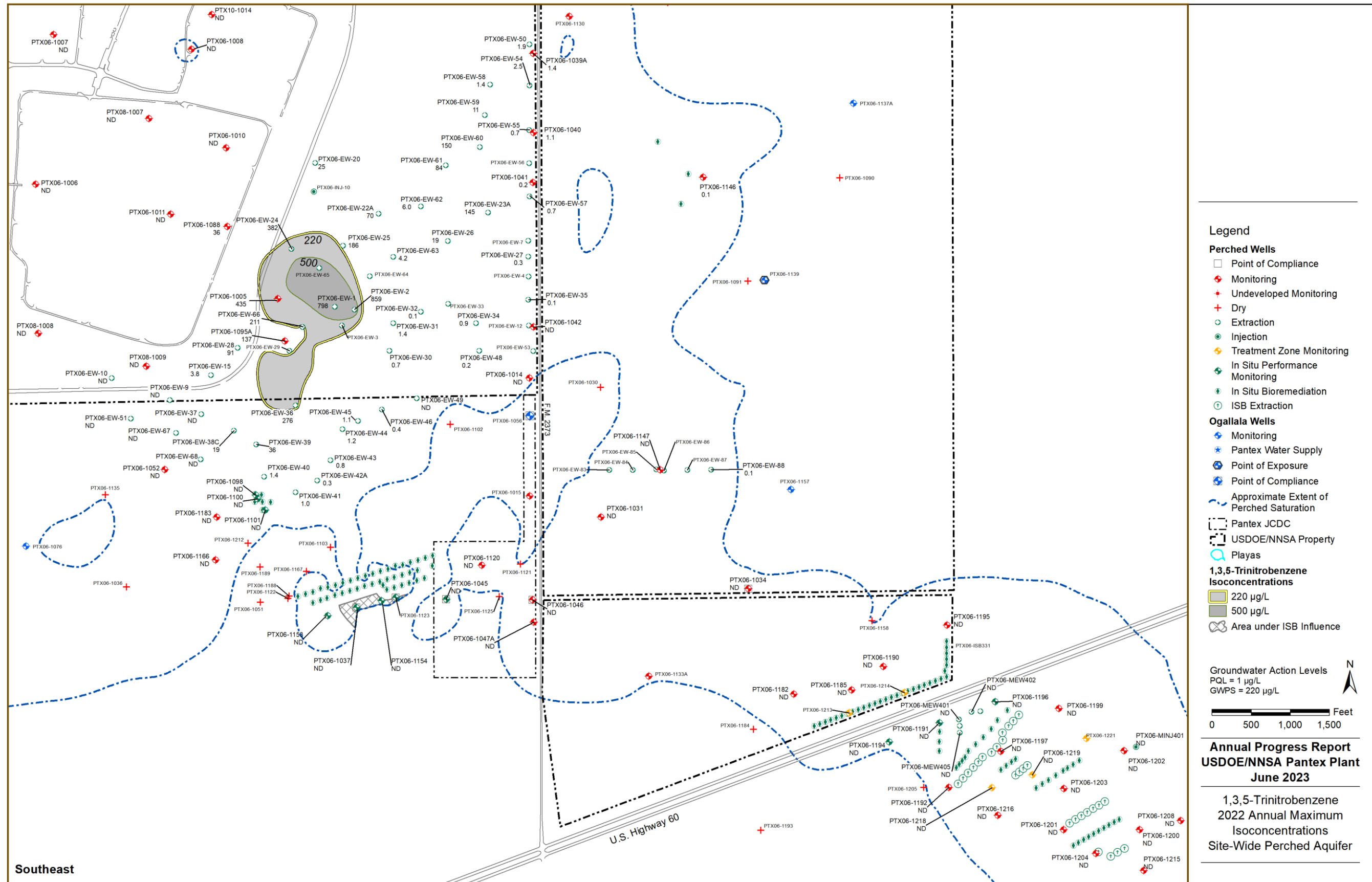
**DNT4A  
2022 Annual Maximum  
Isoconcentrations  
Site-Wide Perched Aquifer Map**

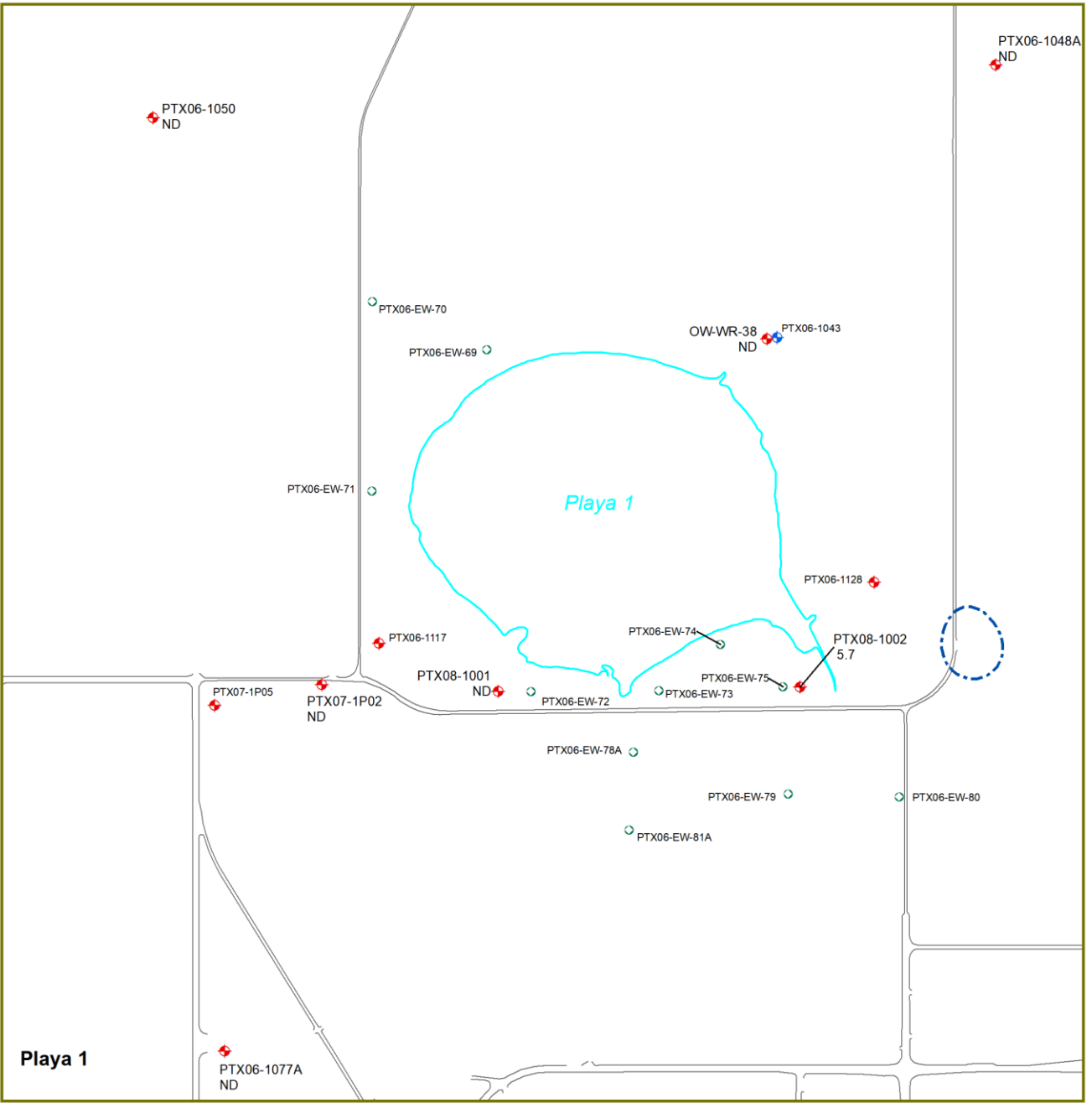
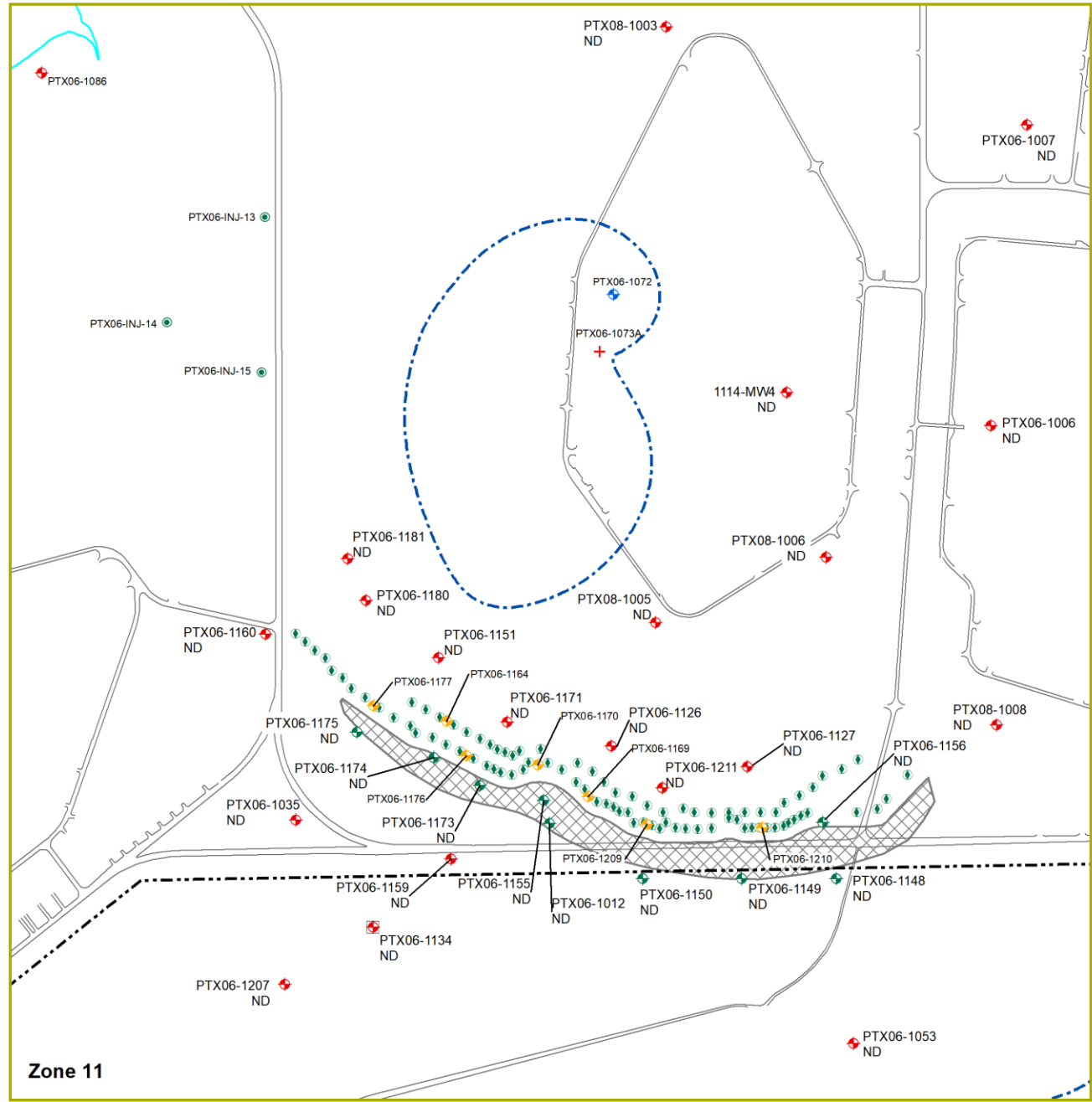






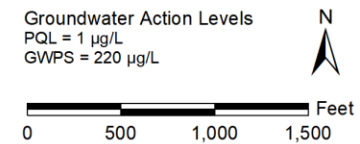






Legend

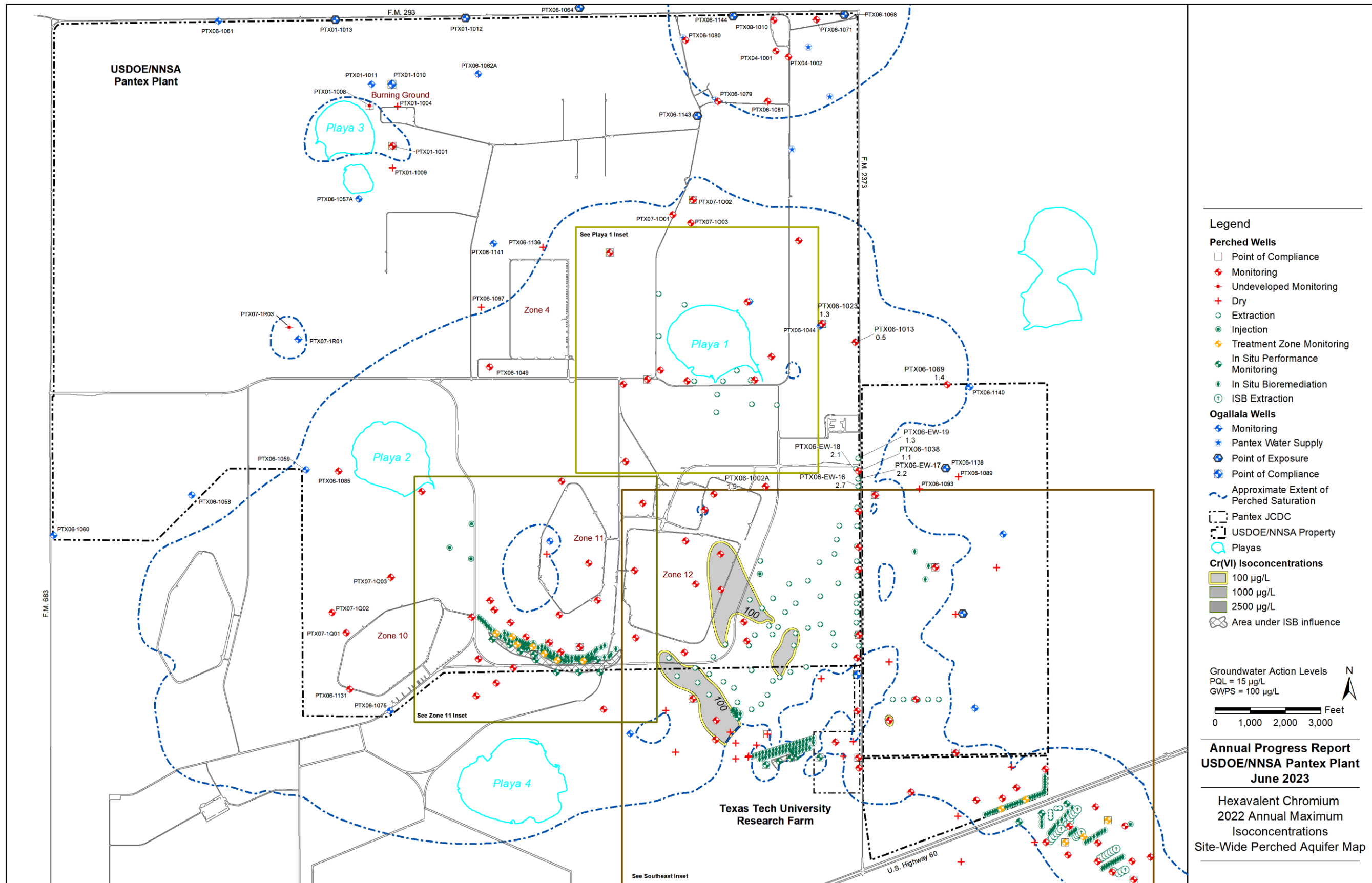
- |                          |                                  |  |  |
|--------------------------|----------------------------------|--|--|
| <b>Perched Wells</b>     | ● Injection                      | <b>Ogallala Wells</b>                      | ▭ USDOE/NNSA Property                          |
| □ Point of Compliance    | ⊕ Treatment Zone Monitoring      | ⊕ Monitoring                               | ○ Playas                                       |
| ⊕ Monitoring             | ⊕ In Situ Performance Monitoring | ⊕ Pantex Water Supply                      | <b>1,3,5-Trinitrobenzene Isoconcentrations</b> |
| ⊕ Undeveloped Monitoring | ⊕ In Situ Bioremediation         | ⊕ Point of Exposure                        | ■ 220 µg/L                                     |
| ⊕ Dry                    | ⊕ ISB Extraction                 | ⊕ Point of Compliance                      | ■ 500 µg/L                                     |
| ○ Extraction             |                                  | ⊕ Approximate Extent of Perched Saturation | ⊕ Area under ISB Influence                     |

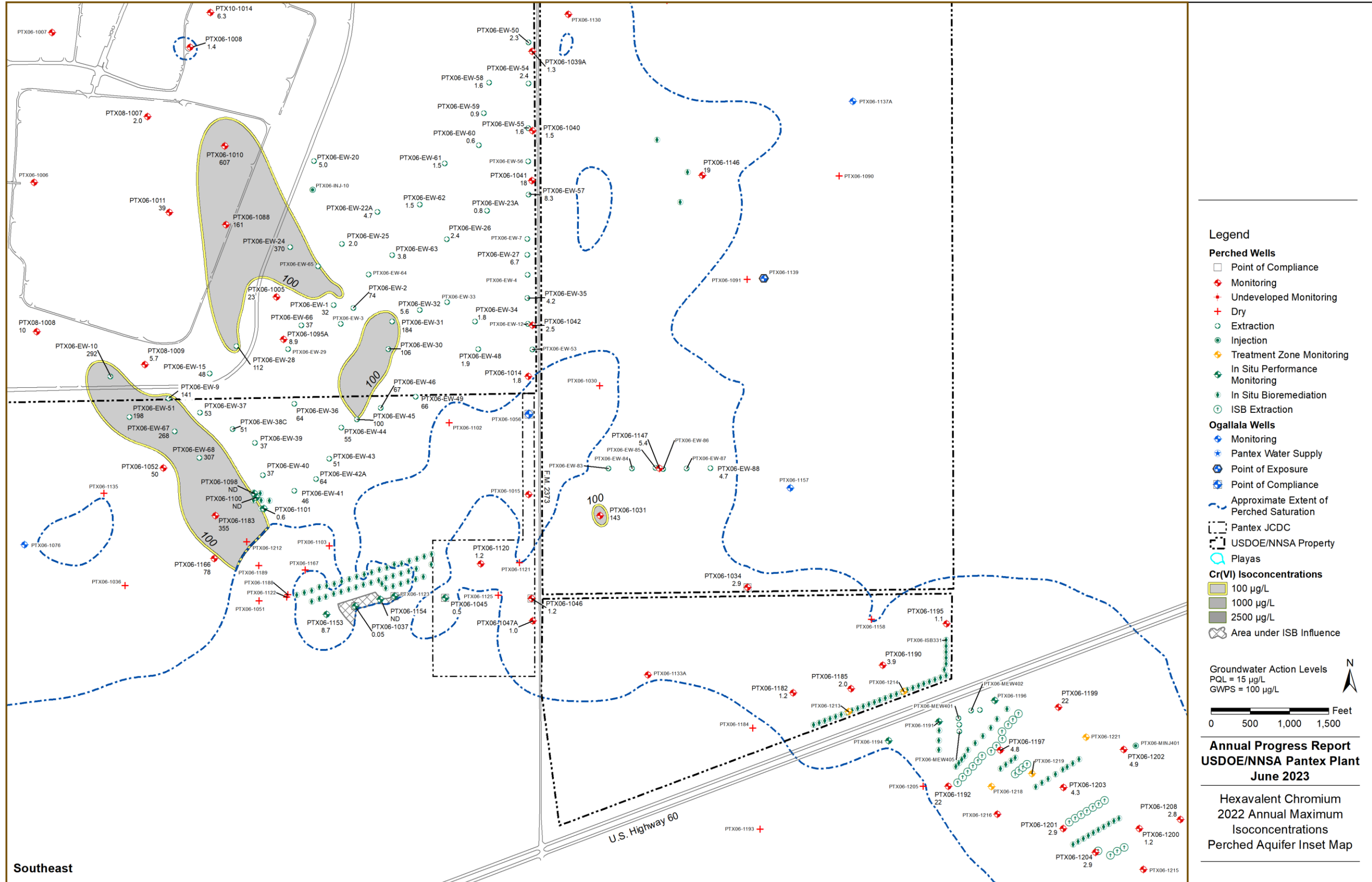


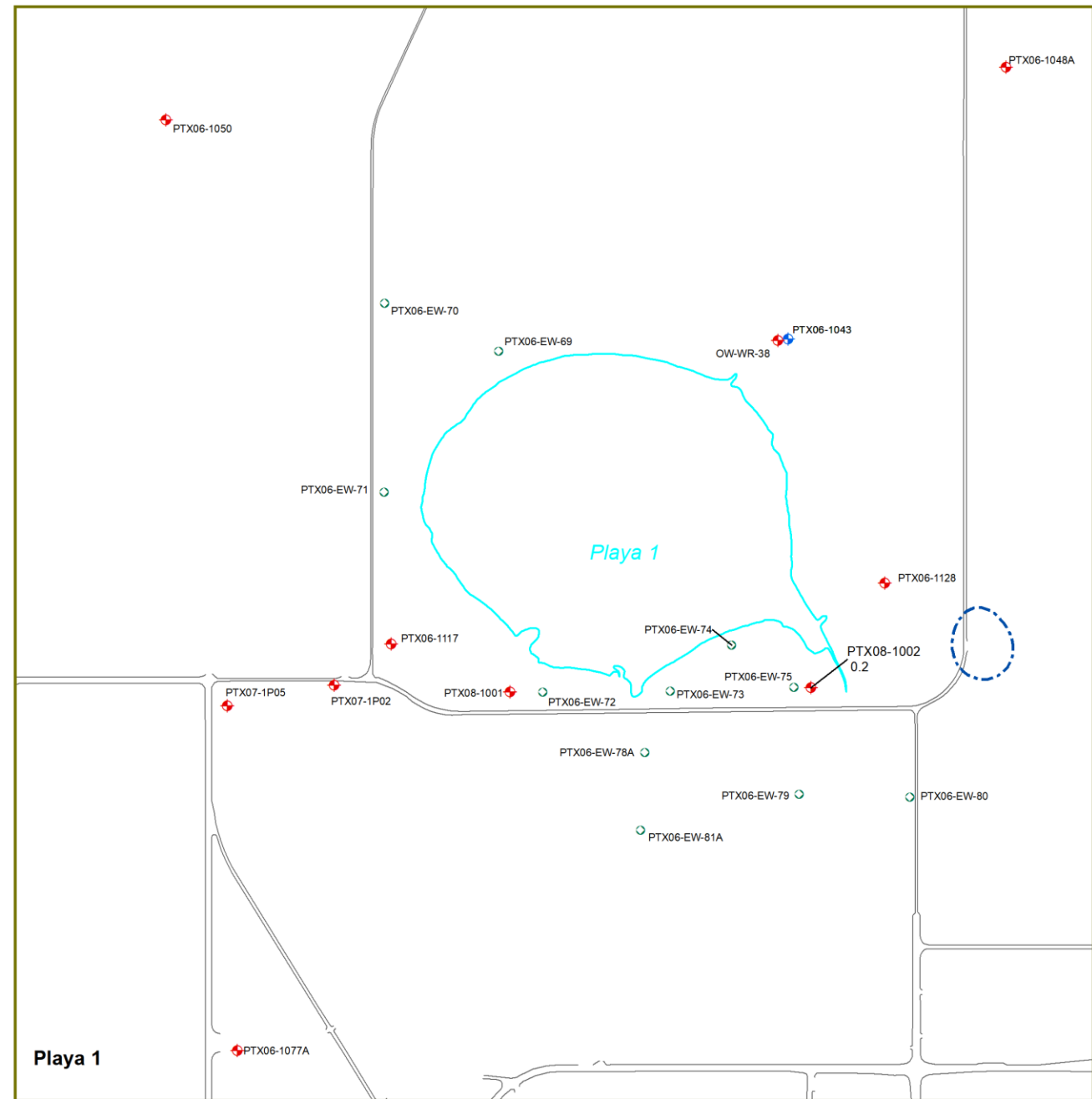
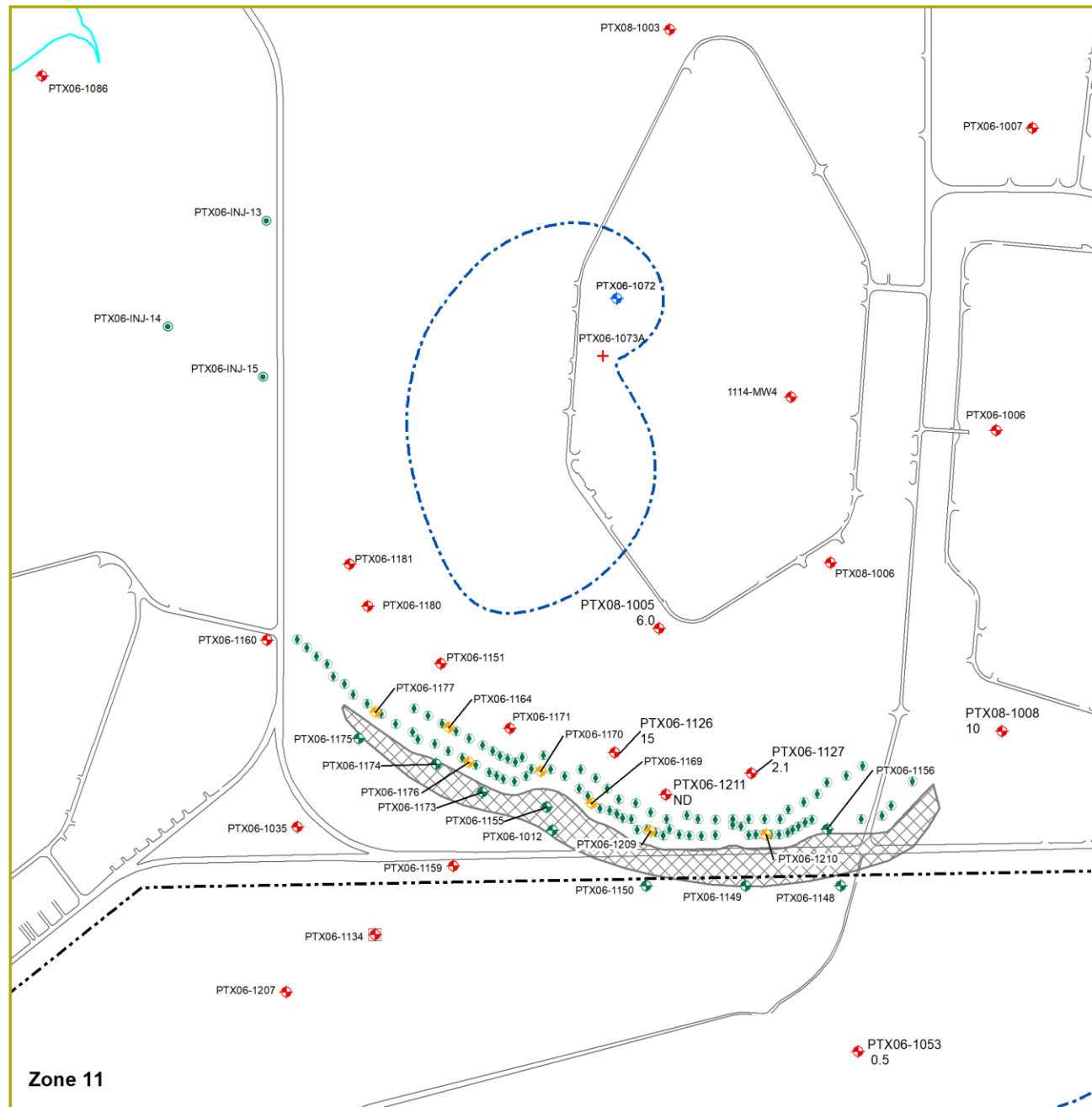
Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

1,3,5-Trinitrobenzene  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps

Groundwater Action Levels  
PQL = 1 µg/L  
GWPS = 220 µg/L

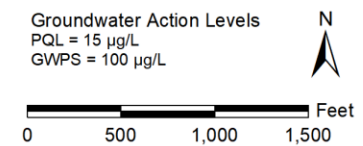






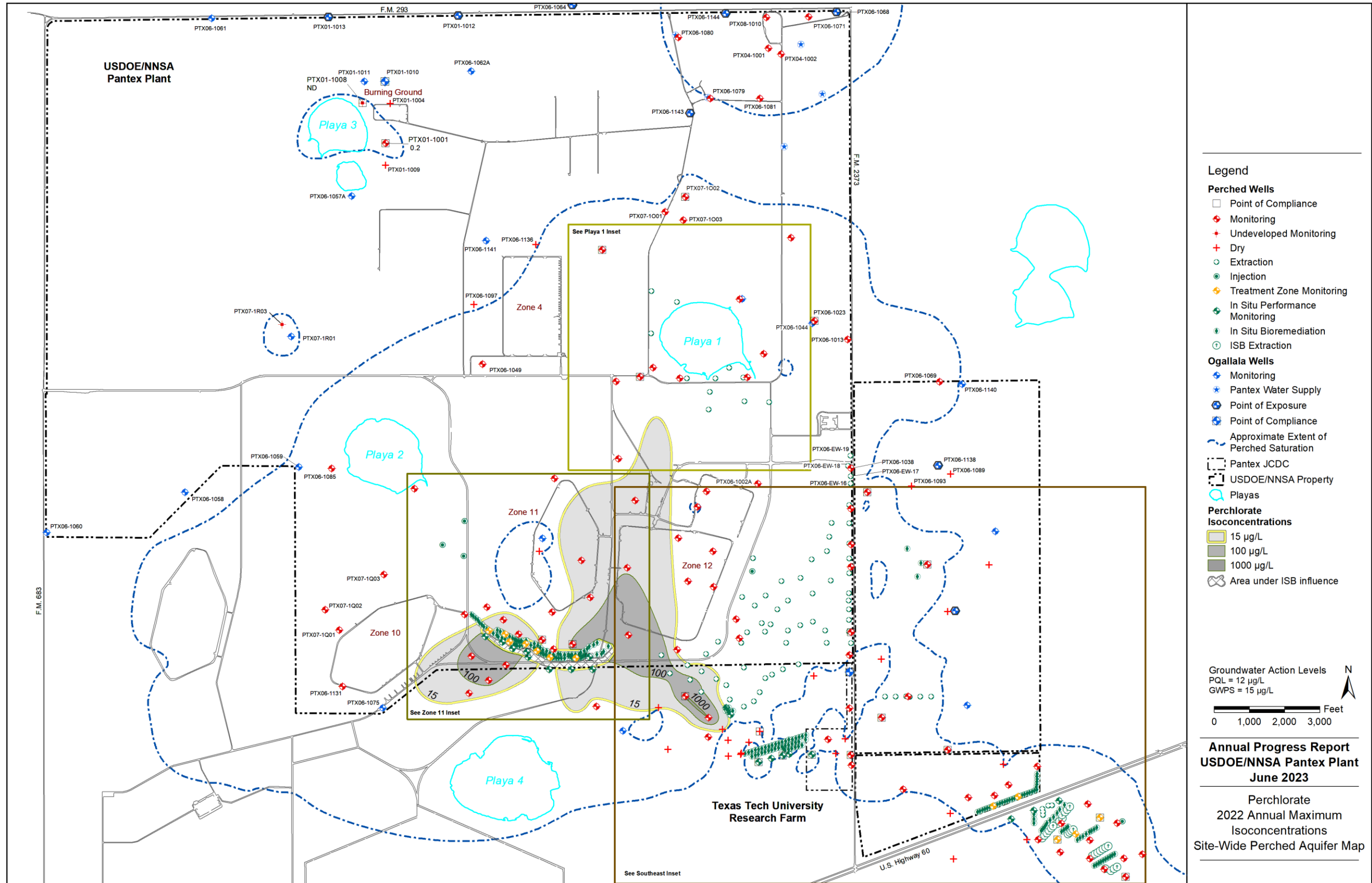
Legend

- |                        |                                |  |                                 |
|------------------------|--------------------------------|--|---------------------------------|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property             |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                          |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>Cr(VI) Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 100 µg/L                        |
| Dry                    | ISB Extraction                 | Point of Compliance                      | 1000 µg/L                       |
| Extraction             |                                | Approximate Extent of Perched Saturation | 2500 µg/L                       |
|                        |                                |  | Area under ISB Influence        |



Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

Hexavalent Chromium  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps



**Legend**

**Perched Wells**

- Point of Compliance
- ◆ Monitoring
- ◆ Undeveloped Monitoring
- ◆ Dry
- Extraction
- Injection
- ◆ Treatment Zone Monitoring
- ◆ In Situ Performance Monitoring
- ◆ In Situ Bioremediation
- ISB Extraction

**Ogallala Wells**

- ◆ Monitoring
- ◆ Pantex Water Supply
- ◆ Point of Exposure
- ◆ Point of Compliance
- Approximate Extent of Perched Saturation
- Pantex JCDC
- USDOE/NNSA Property
- Plays

**Perchlorate Isoconcentrations**

- 15 µg/L
- 100 µg/L
- 1000 µg/L
- Area under ISB influence

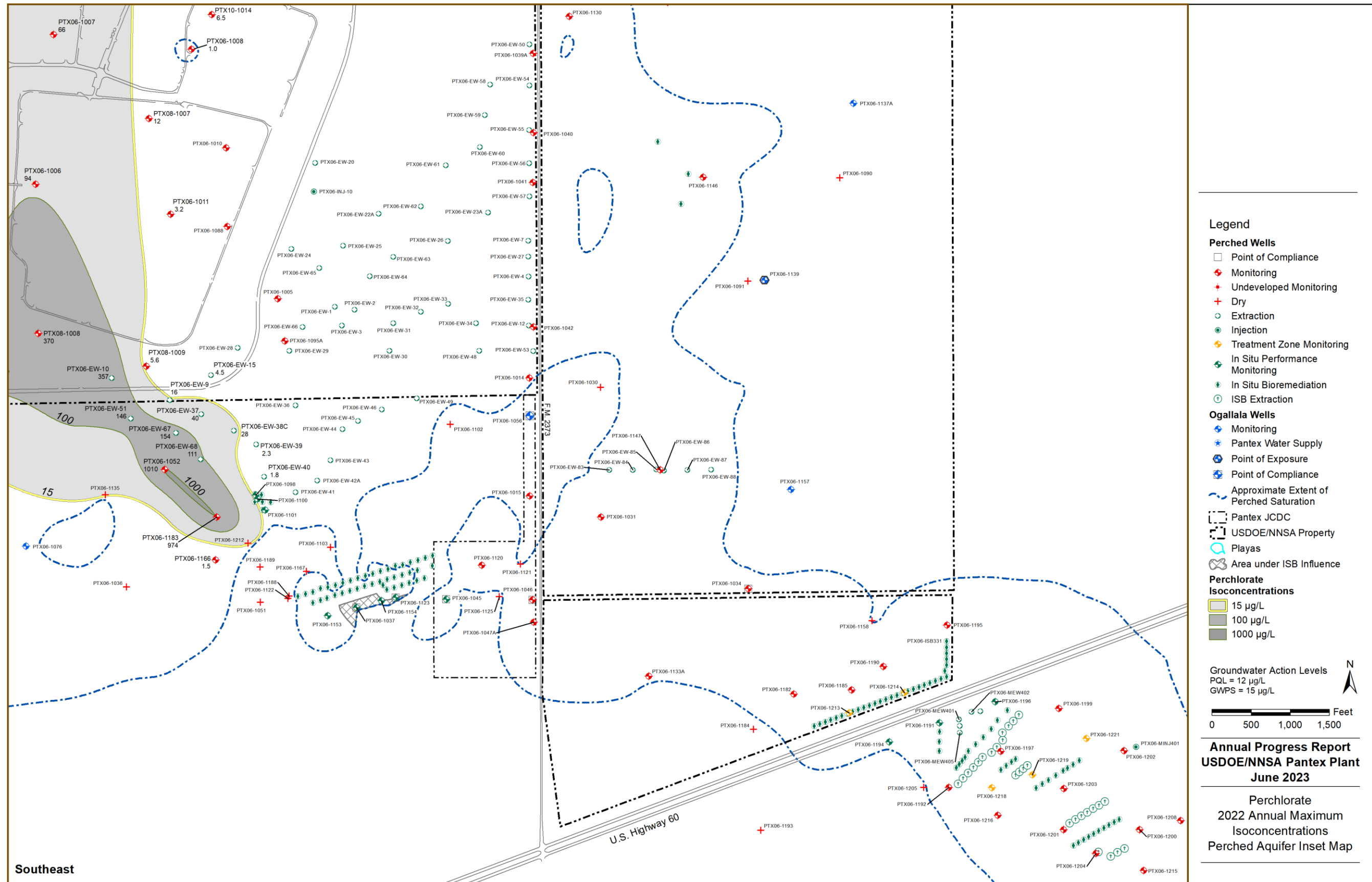
Groundwater Action Levels  
 PQL = 12 µg/L  
 GWPS = 15 µg/L

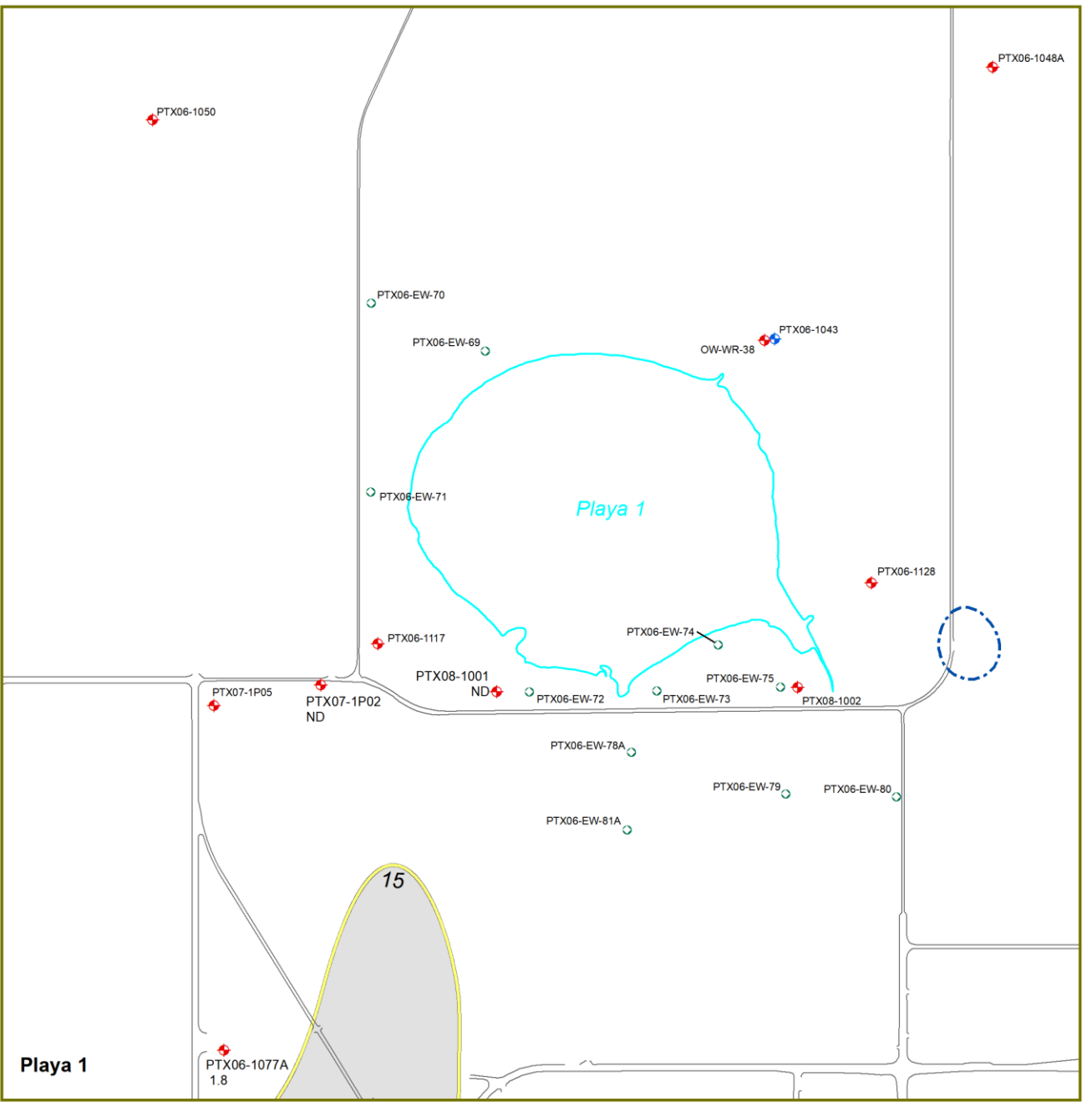
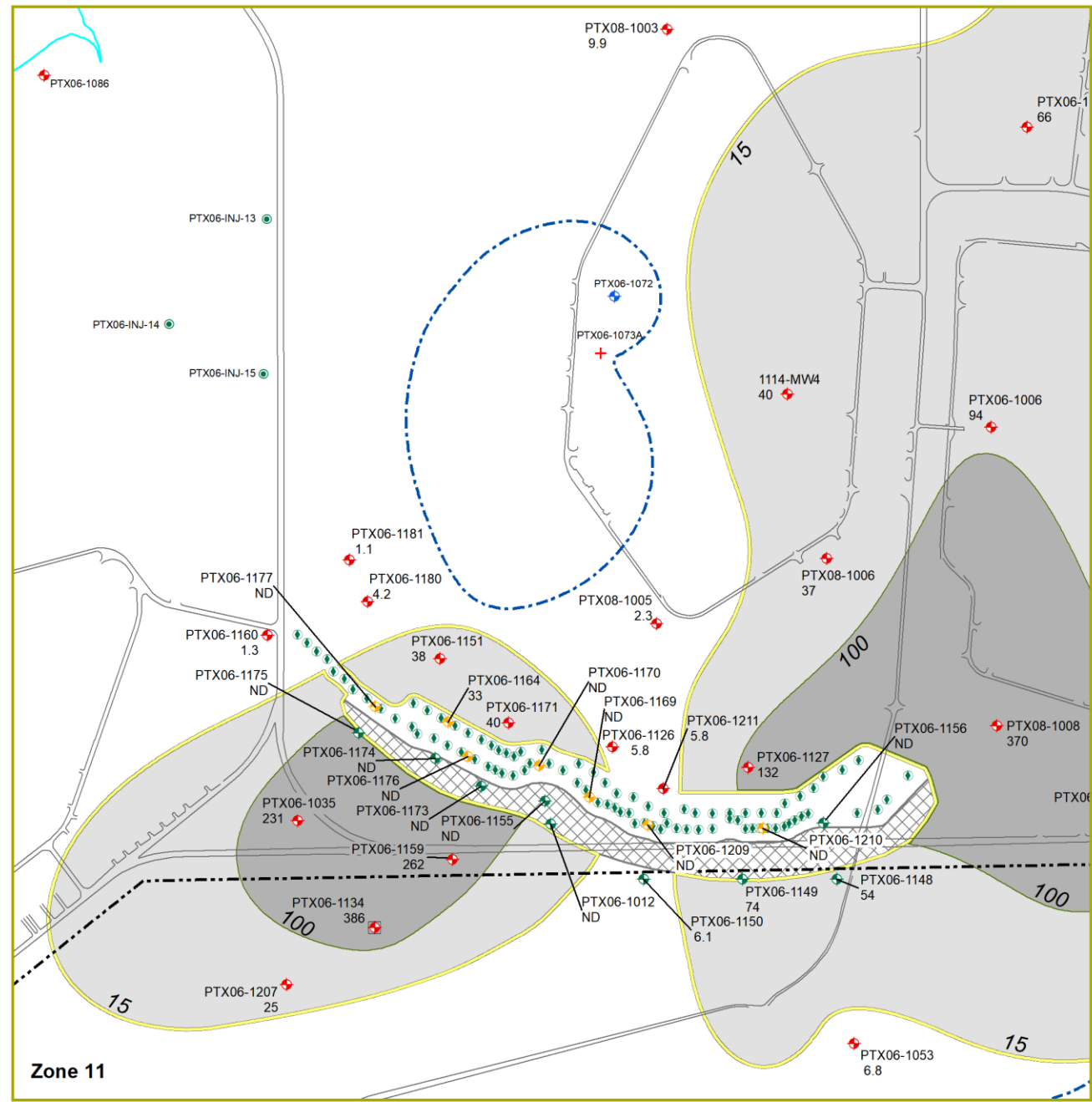
0 1,000 2,000 3,000 Feet

**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

Perchlorate  
 2022 Annual Maximum  
 Isoconcentrations  
 Site-Wide Perched Aquifer Map

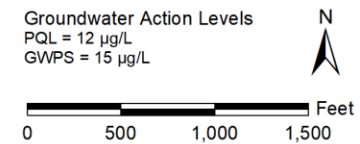






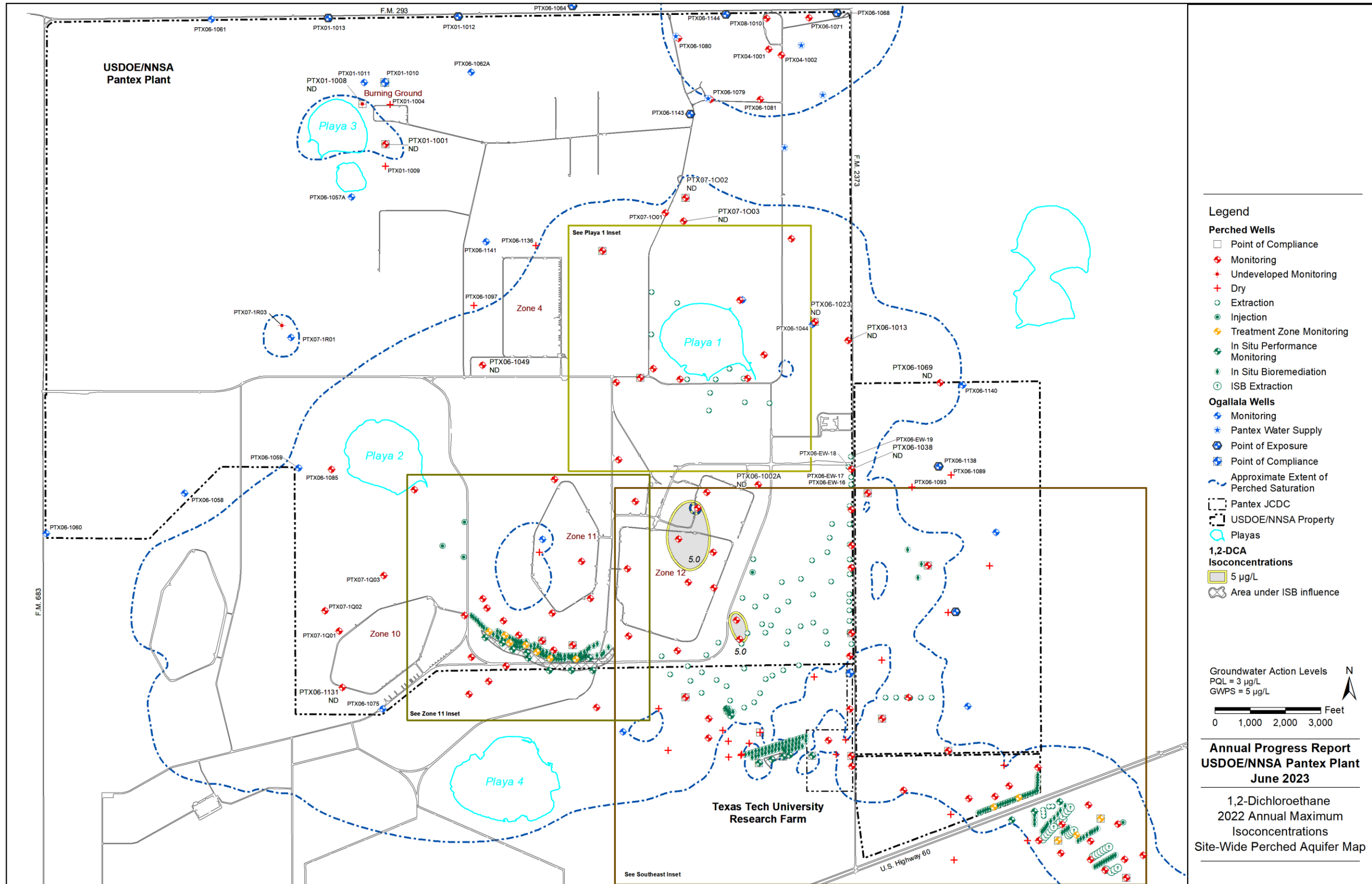
**Legend**

- |  |  |  |  |
|--|--|--|--|
| <p><b>Perched Wells</b></p> <ul style="list-style-type: none"> <li>□ Point of Compliance</li> <li>⊕ Monitoring</li> <li>⊕ Undeveloped Monitoring</li> <li>⊕ Dry</li> <li>○ Extraction</li> </ul> | <ul style="list-style-type: none"> <li>● Injection</li> <li>⊕ Treatment Zone Monitoring</li> <li>⊕ In Situ Performance Monitoring</li> <li>⊕ In Situ Bioremediation</li> <li>○ ISB Extraction</li> </ul> | <p><b>Ogallala Wells</b></p> <ul style="list-style-type: none"> <li>⊕ Monitoring</li> <li>⊕ Pantex Water Supply</li> <li>⊕ Point of Exposure</li> <li>⊕ Point of Compliance</li> <li>⊕ Approximate Extent of Perched Saturation</li> </ul> | <ul style="list-style-type: none"> <li>⊕ USDOE/NNSA Property</li> <li>○ Playas</li> <li>⊕ Area under ISB Influence</li> </ul> <p><b>Perchlorate Isoconcentrations</b></p> <ul style="list-style-type: none"> <li>□ 15 µg/L</li> <li>□ 100 µg/L</li> <li>□ 1000 µg/L</li> </ul> |
|--|--|--|--|



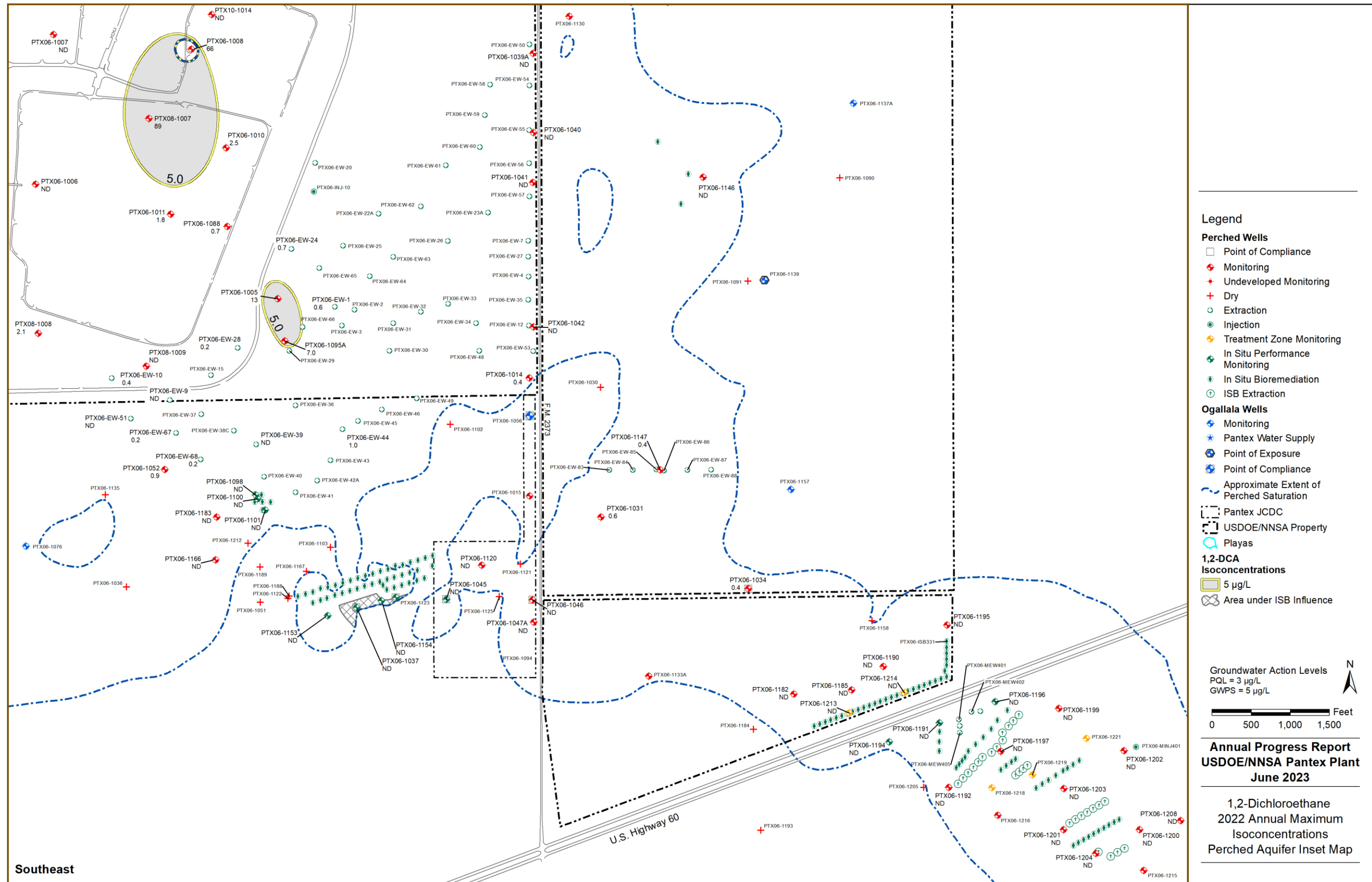
**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

Perchlorate  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Maps



**Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023**

1,2-Dichloroethane  
2022 Annual Maximum  
Isoconcentrations  
Site-Wide Perched Aquifer Map



**Legend**

**Perched Wells**

- Point of Compliance
- ⊕ Monitoring
- ⊕ Undeveloped Monitoring
- ⊕ Dry
- Extraction
- Injection
- ⊕ Treatment Zone Monitoring
- ⊕ In Situ Performance Monitoring
- ⊕ In Situ Bioremediation
- ISB Extraction

**Ogallala Wells**

- ⊕ Monitoring
- ⊕ Pantex Water Supply
- ⊕ Point of Exposure
- ⊕ Point of Compliance
- ⊕ Approximate Extent of Perched Saturation

- ⊕ Pantex JCDC
- ⊕ USDOE/NNSA Property
- ⊕ Playas

**1,2-DCA Isoconcentrations**

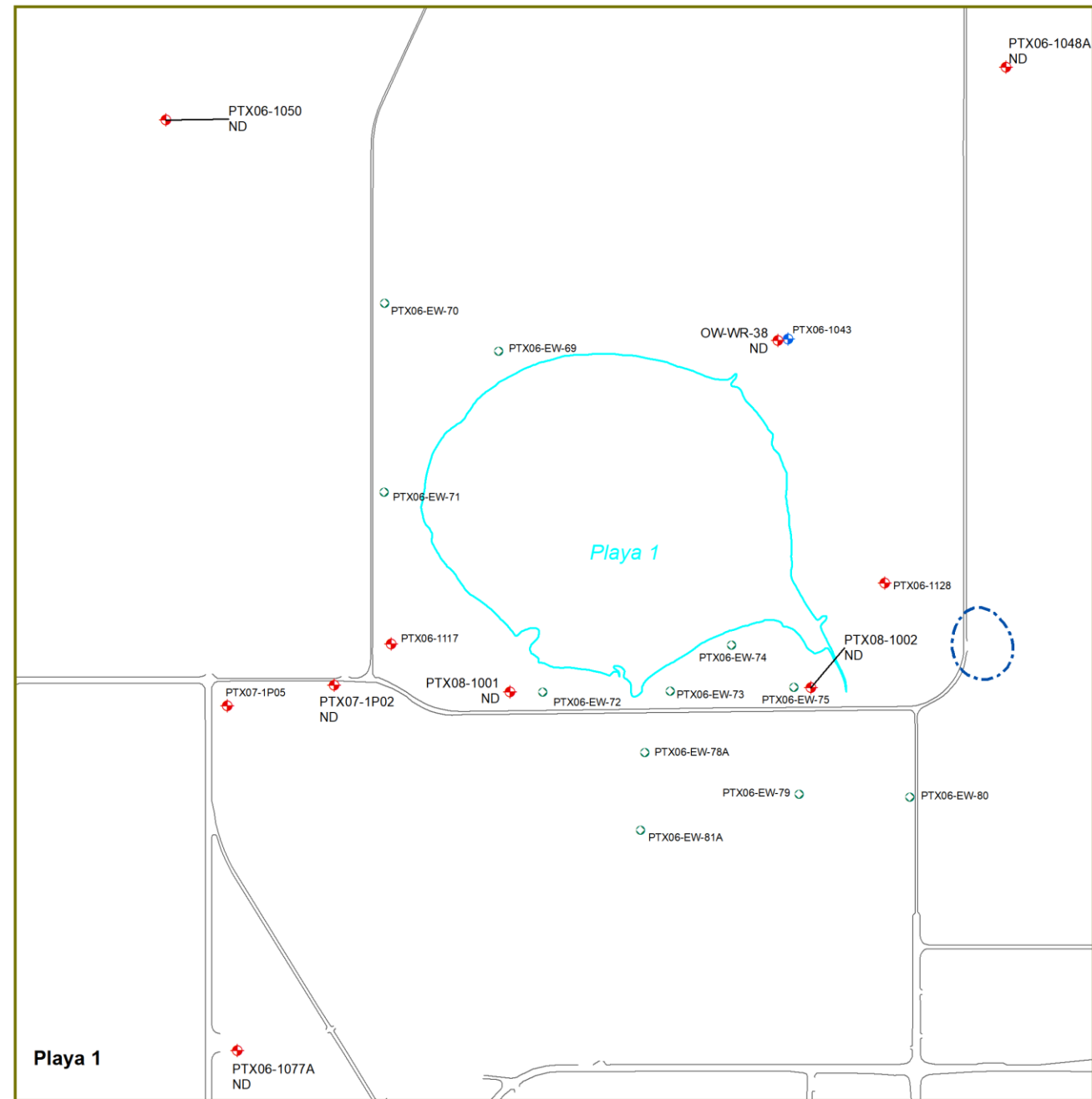
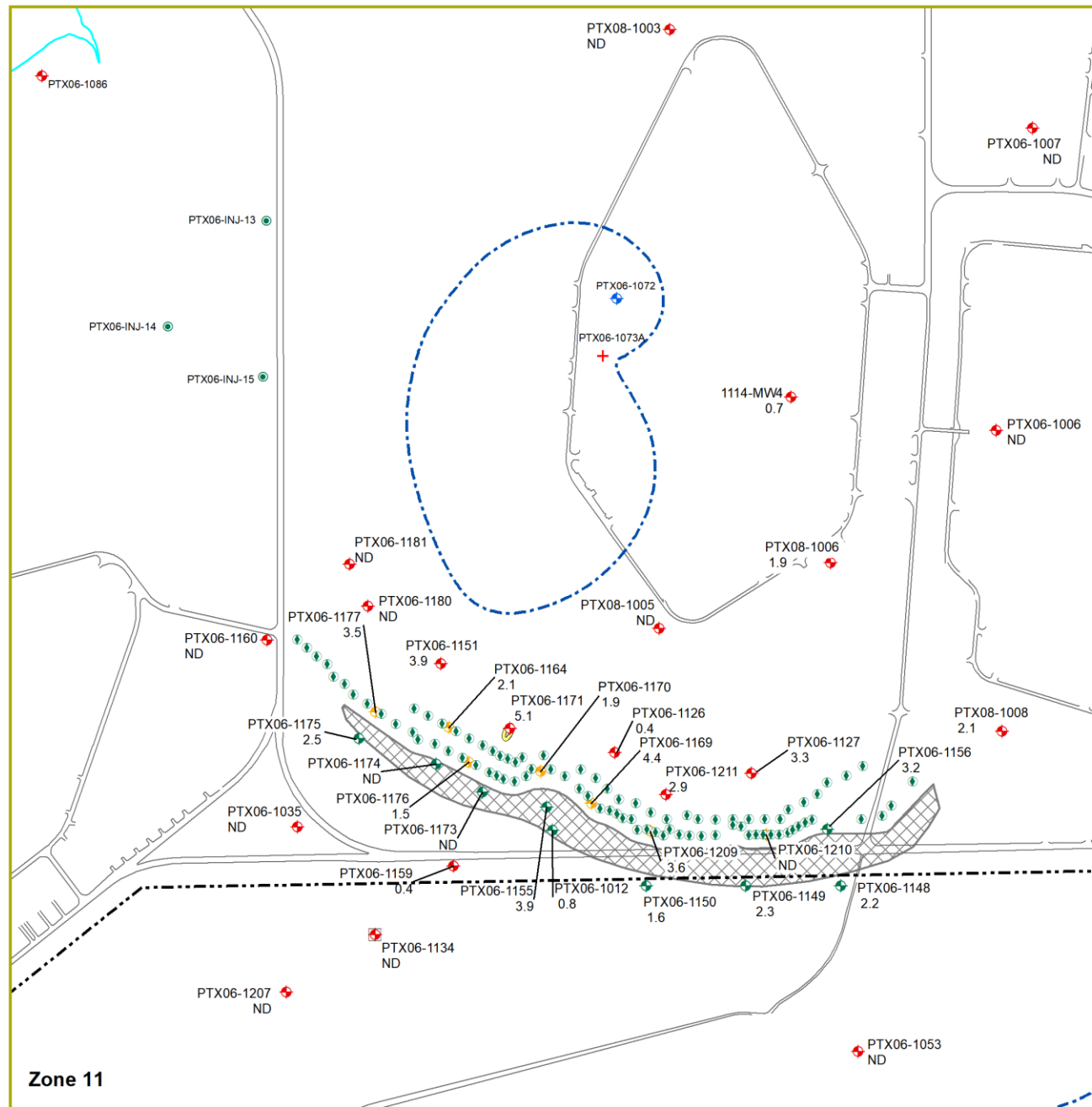
- ⊕ 5 µg/L
- ⊕ Area under ISB Influence

Groundwater Action Levels  
 PQL = 3 µg/L  
 GWPS = 5 µg/L



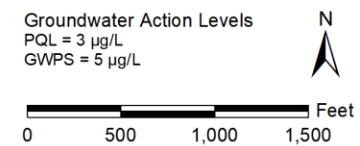
**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

**1,2-Dichloroethane  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Map**



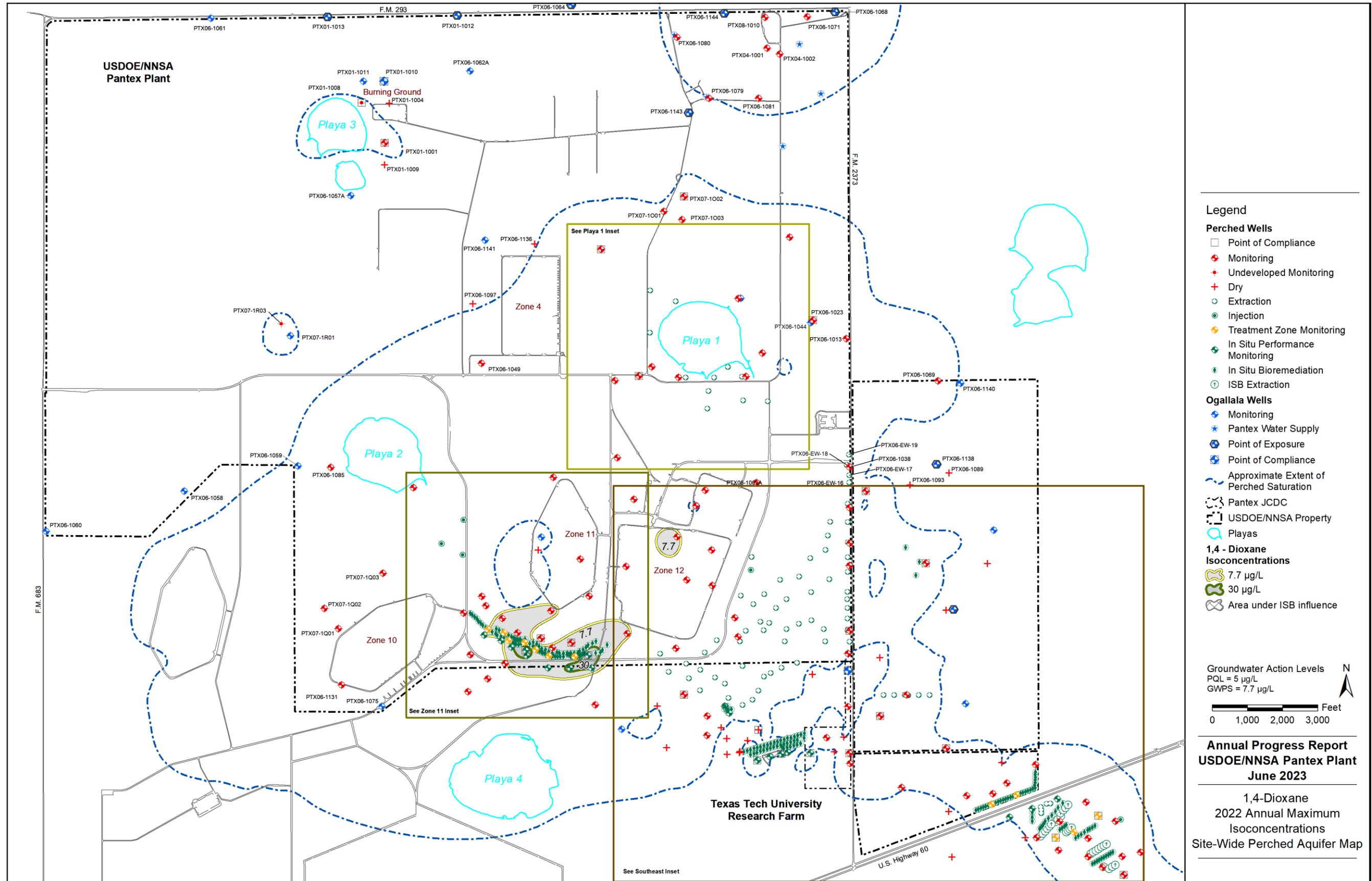
Legend

- |                        |                                |  |                                  |
|------------------------|--------------------------------|--|----------------------------------|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property              |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                           |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>1,2-DCA Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 5 µg/L                           |
| Dry                    | ISB Extraction                 | Point of Compliance                      | Area under ISB Influence         |
| Extraction             |                                | Approximate Extent of Perched Saturation |                                  |



Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

1,2-Dichloroethane  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps



**Legend**

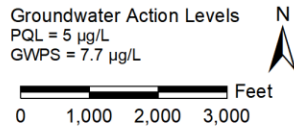
**Perched Wells**

- Point of Compliance
- ◆ Monitoring
- + Undeveloped Monitoring
- ⊕ Dry
- Extraction
- Injection
- ⊕ Treatment Zone Monitoring
- ◆ In Situ Performance Monitoring
- ◆ In Situ Bioremediation
- ISB Extraction

**Ogallala Wells**

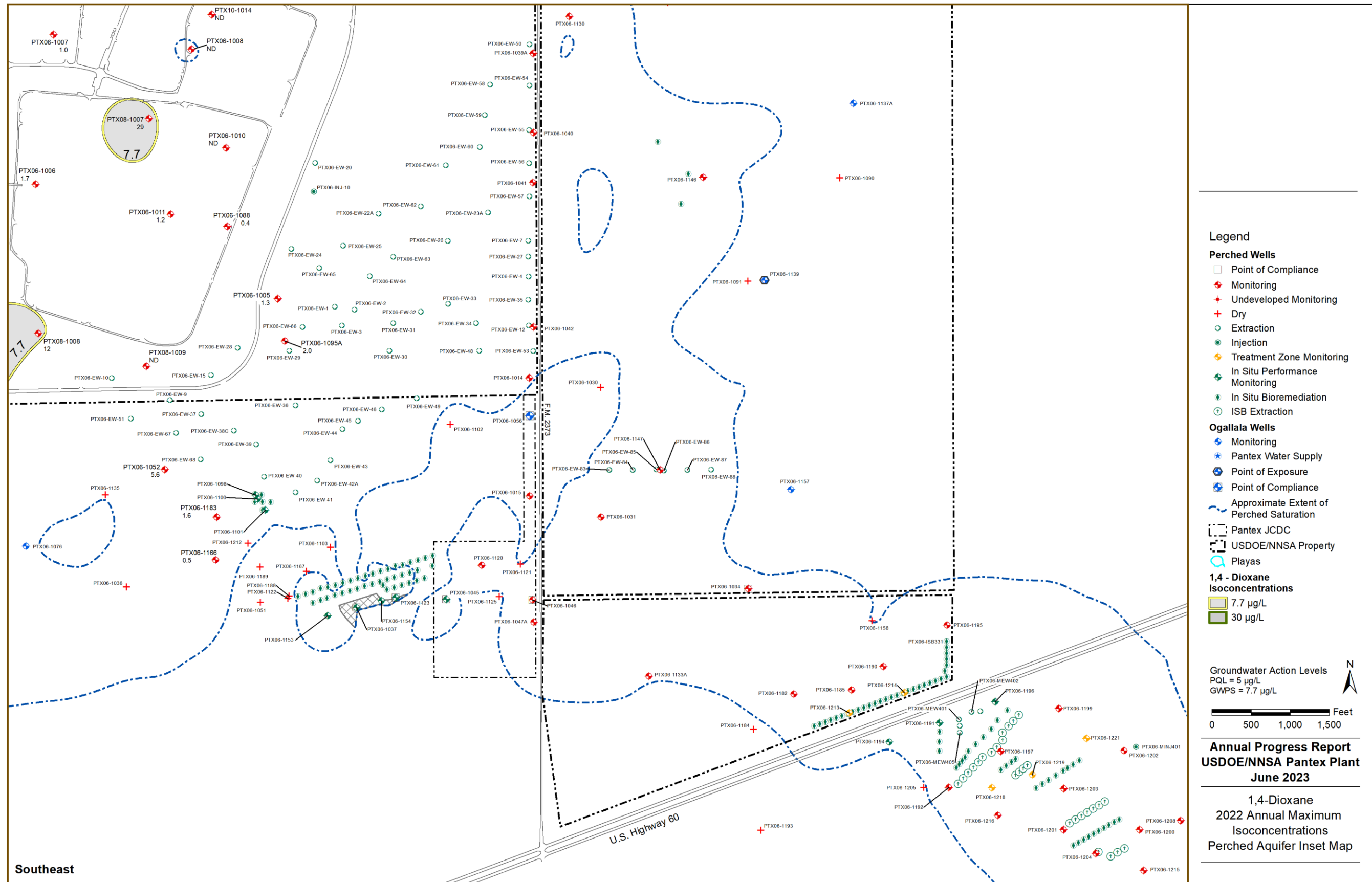
- ◆ Monitoring
- ★ Pantex Water Supply
- ◆ Point of Exposure
- ◆ Point of Compliance
- Approximate Extent of Perched Saturation
- ⊕ Pantex JCDC
- ⊕ USDOE/NNSA Property
- Playas

- 1,4 - Dioxane Isoconcentrations**
- 7.7 µg/L
  - 30 µg/L
  - Area under ISB influence



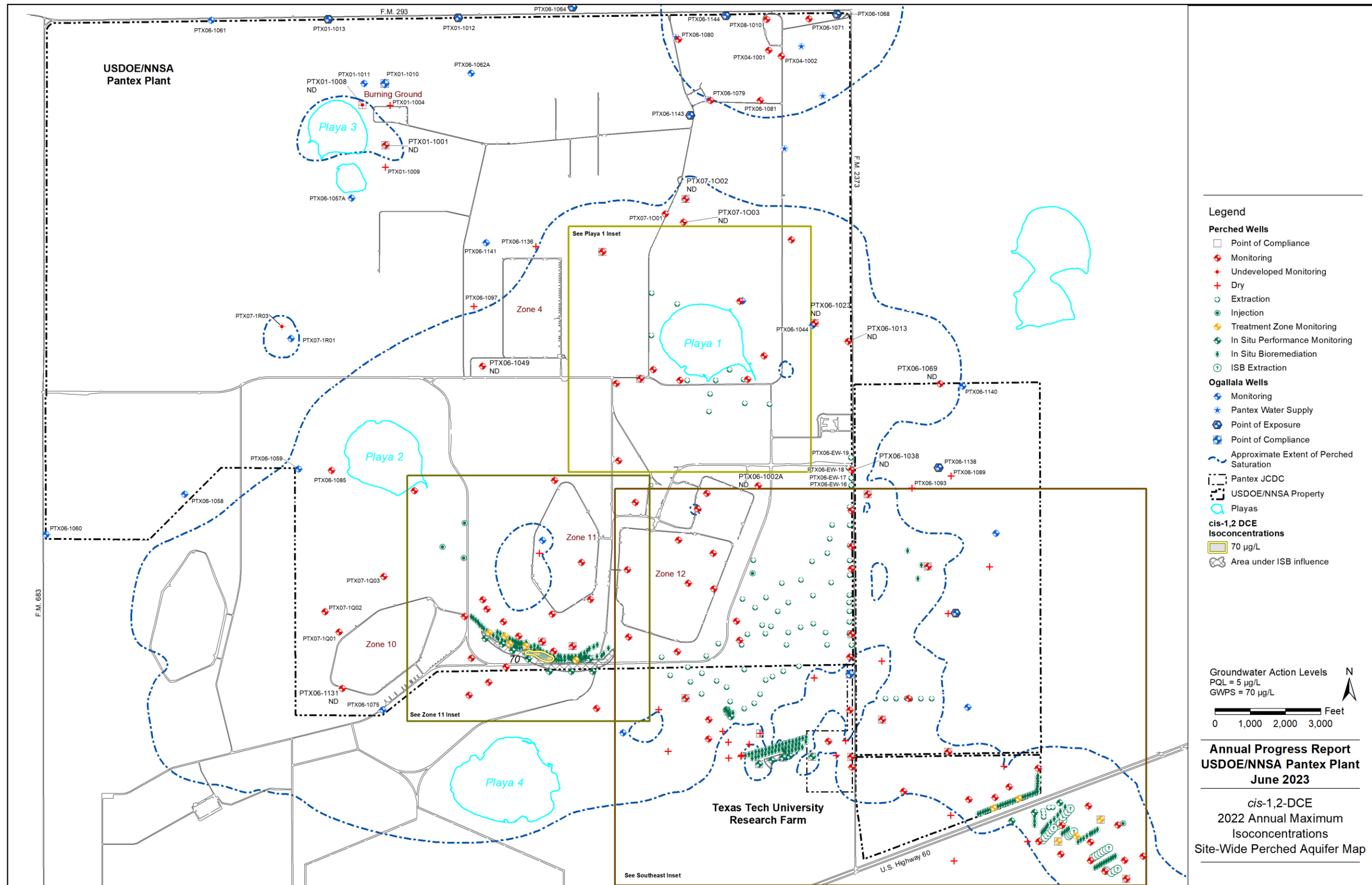
**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

**1,4-Dioxane  
 2022 Annual Maximum  
 Isoconcentrations  
 Site-Wide Perched Aquifer Map**









**Legend**

**Perched Wells**

- Point of Compliance
- ⬮ Monitoring
- ⬮ Undeveloped Monitoring
- ⬮ Dry
- Extraction
- Injection
- ⬮ Treatment Zone Monitoring
- ⬮ In Situ Performance Monitoring
- ⬮ In Situ Bioremediation
- ⬮ ISB Extraction

**Ogallala Wells**

- ⬮ Monitoring
- ⬮ Pantex Water Supply
- ⬮ Point of Exposure
- ⬮ Point of Compliance
- ⬮ Approximate Extent of Perched Saturation

**Pantex JCDC**

- ⬮ USDOE/NNSA Property
- ⬮ Plays

**cis-1,2 DCE Isoconcentrations**

- 70 µg/L
- Area under ISB influence

Groundwater Action Levels

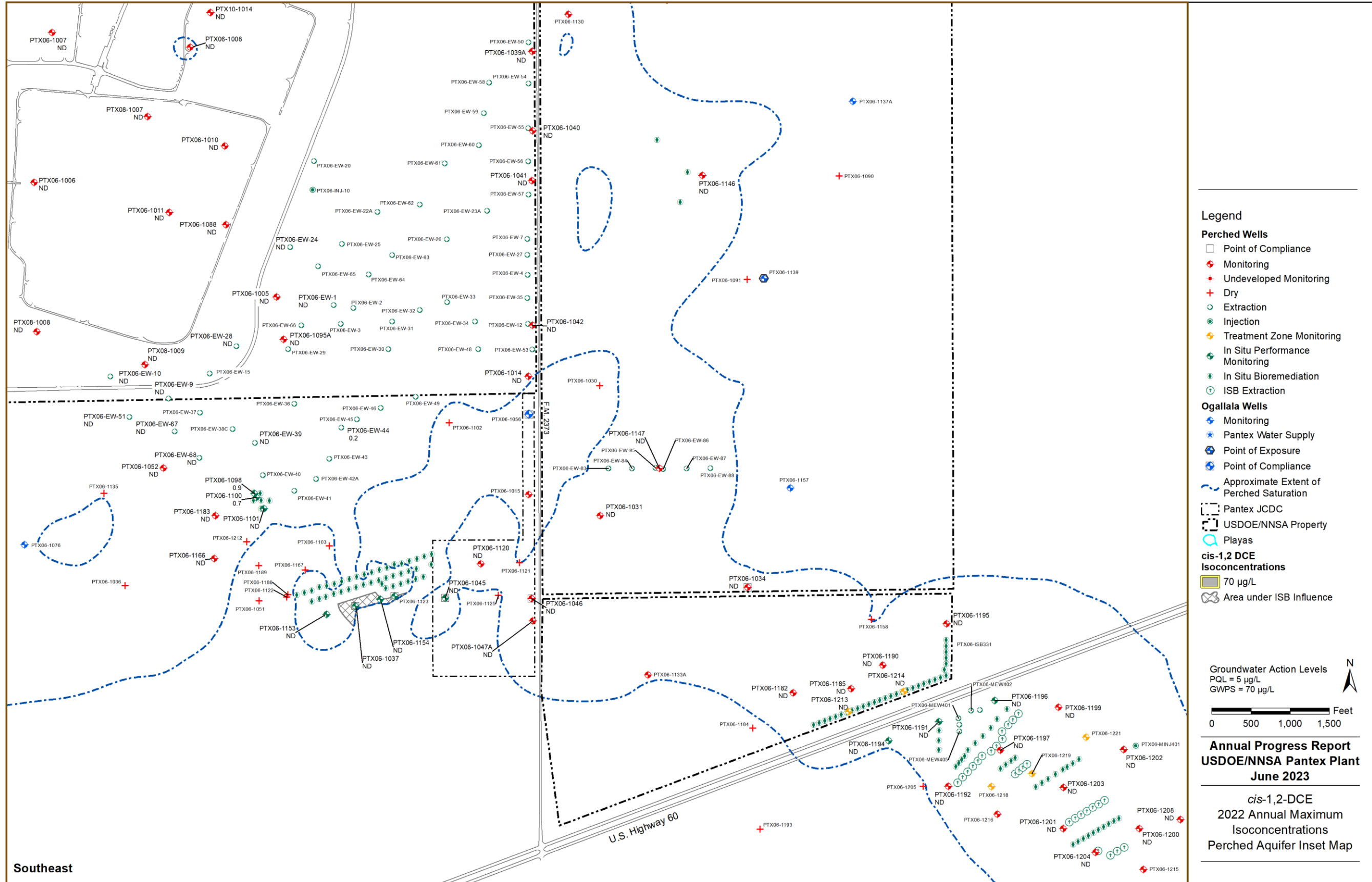
PQL = 5 µg/L

GWPS = 70 µg/L

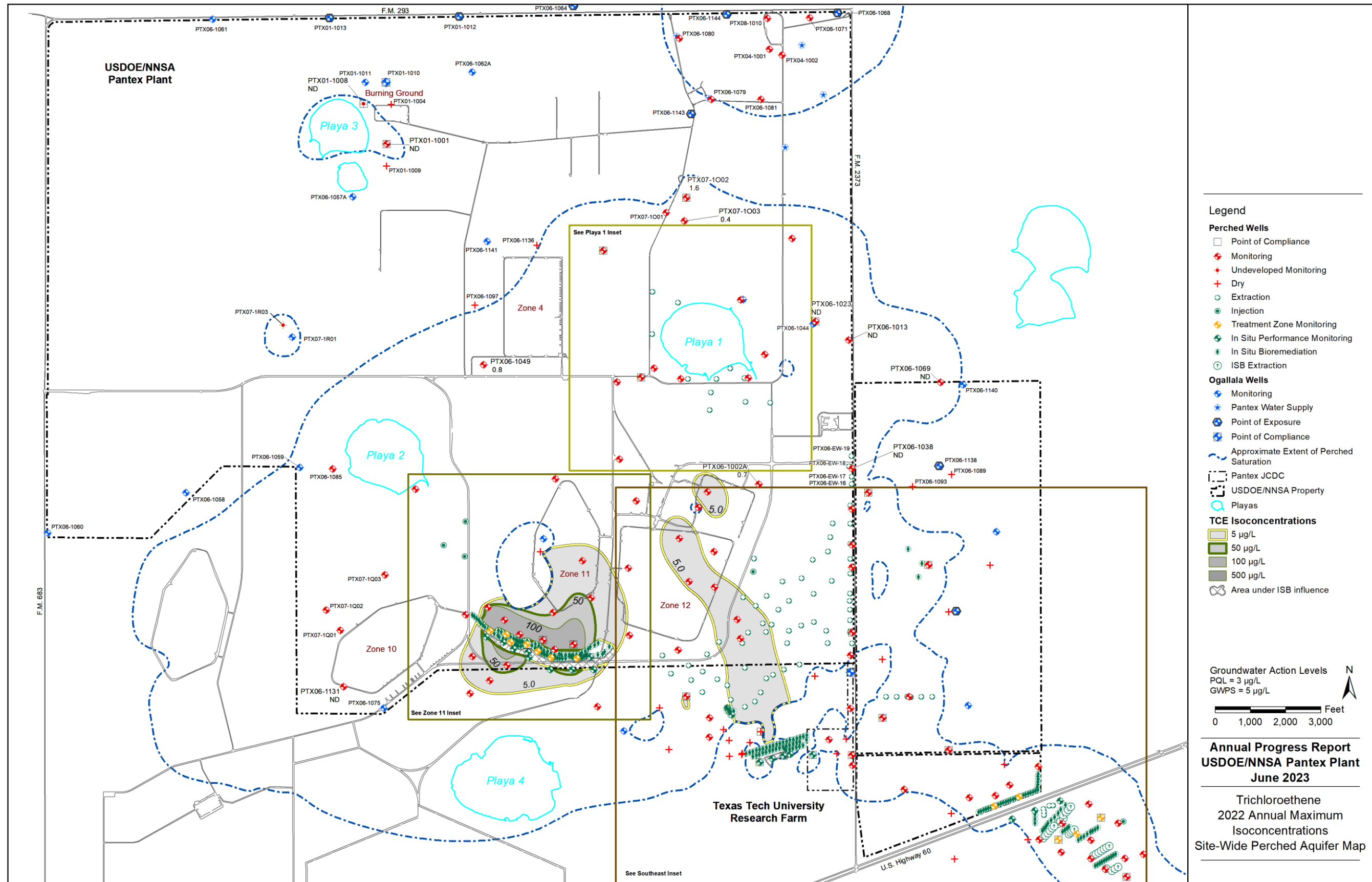
0 1,000 2,000 3,000 Feet

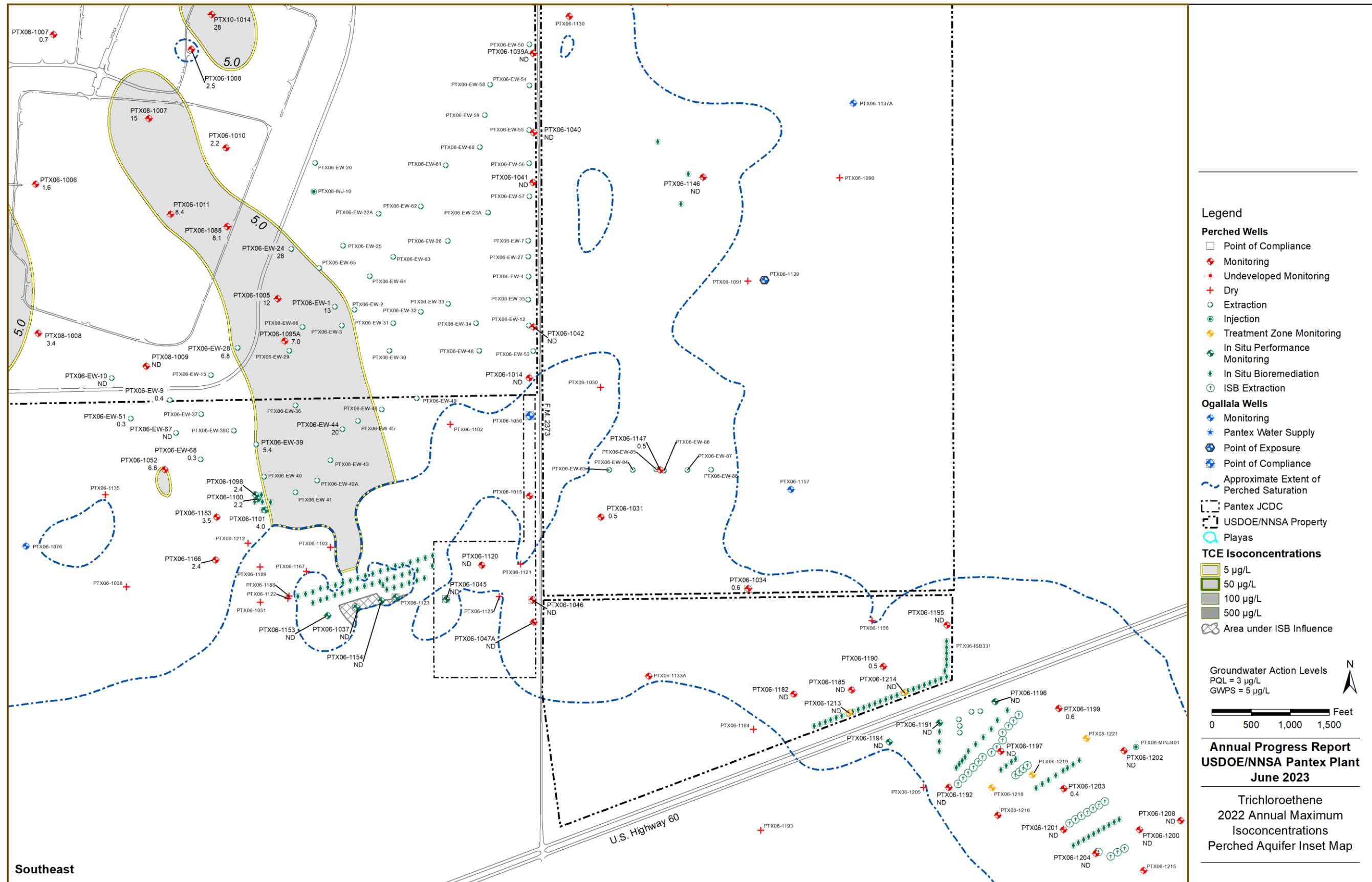
**Annual Progress Report**  
**USDOE/NNSA Pantex Plant**  
**June 2023**

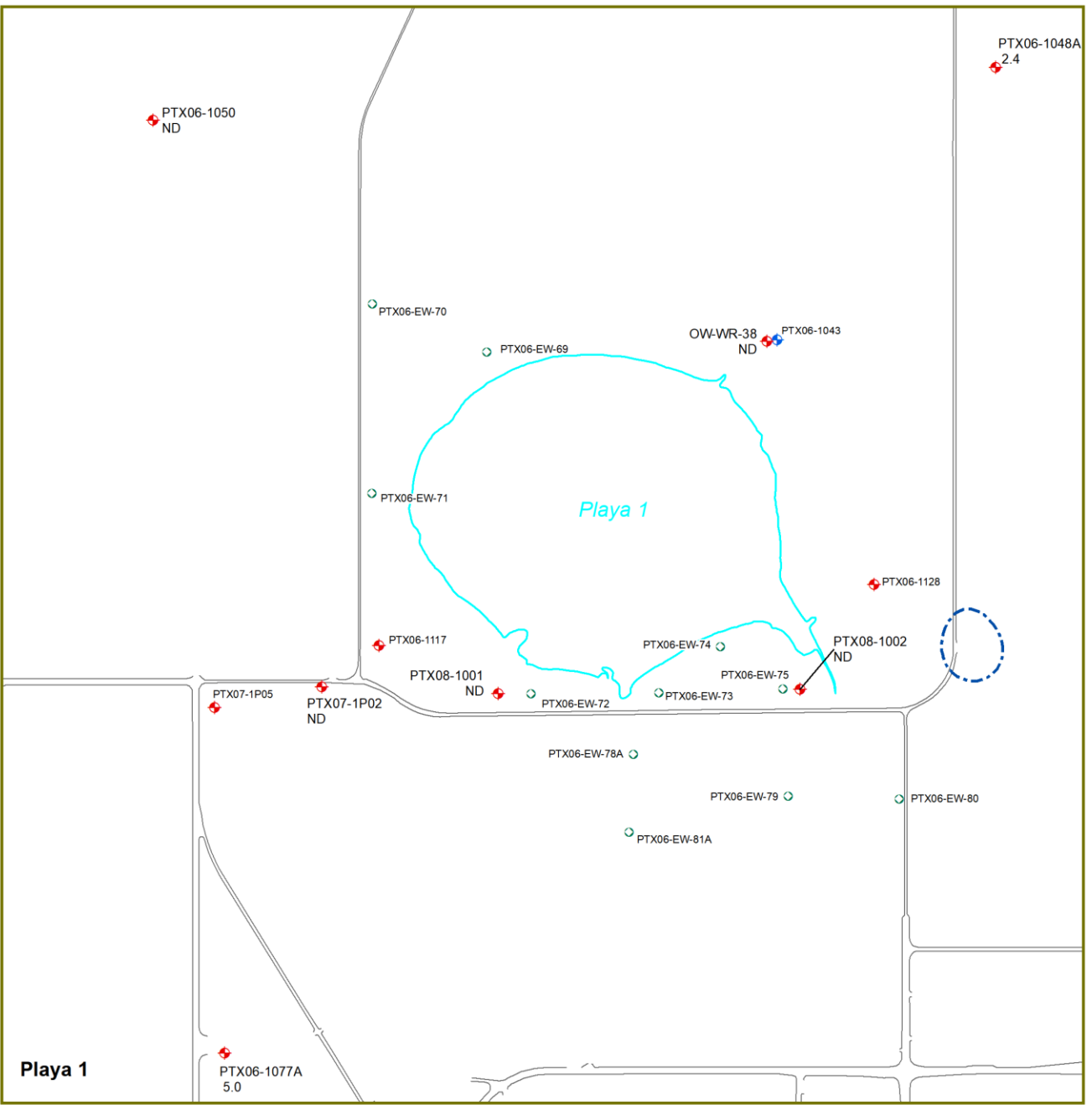
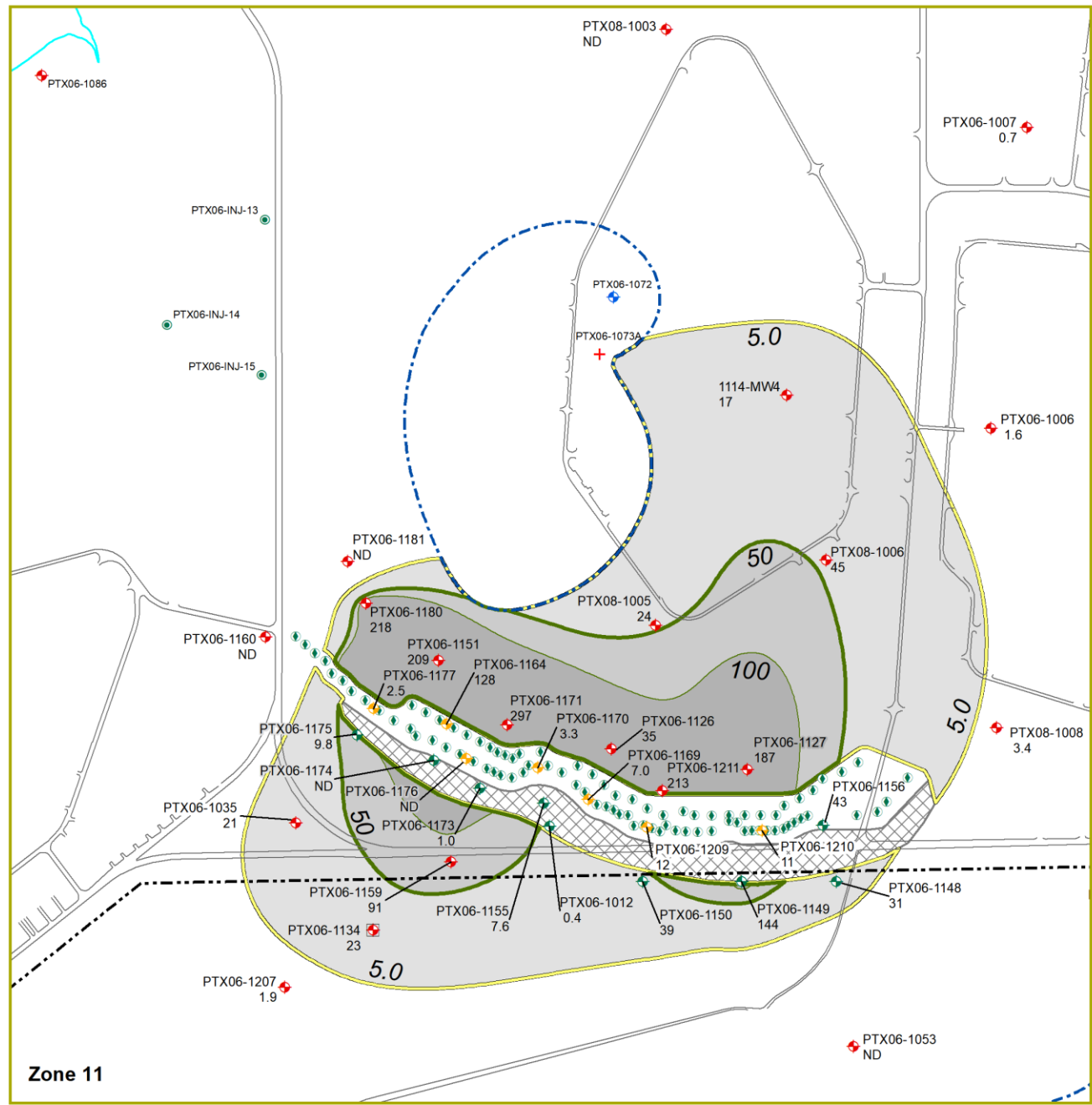
*cis*-1,2-DCE  
2022 Annual Maximum  
Isoconcentrations  
Site-Wide Perched Aquifer Map











**Legend**

**Perched Wells**

- Point of Compliance
- ◆ Monitoring
- ◆ Undeveloped Monitoring
- ◆ Dry
- Extraction

**Injection**

- Treatment Zone Monitoring
- ◆ In Situ Performance Monitoring
- ◆ In Situ Bioremediation
- ISB Extraction

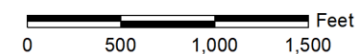
**Ogallala Wells**

- ◆ Monitoring
- ◆ Pantex Water Supply
- ◆ Point of Exposure
- ◆ Point of Compliance
- ◆ Approximate Extent of Perched Saturation

**USDOE/NNSA Property**

- Playas
- TCE Isoconcentrations**
- 5 µg/L
- 50 µg/L
- 100 µg/L
- 500 µg/L
- Area under ISB Influence

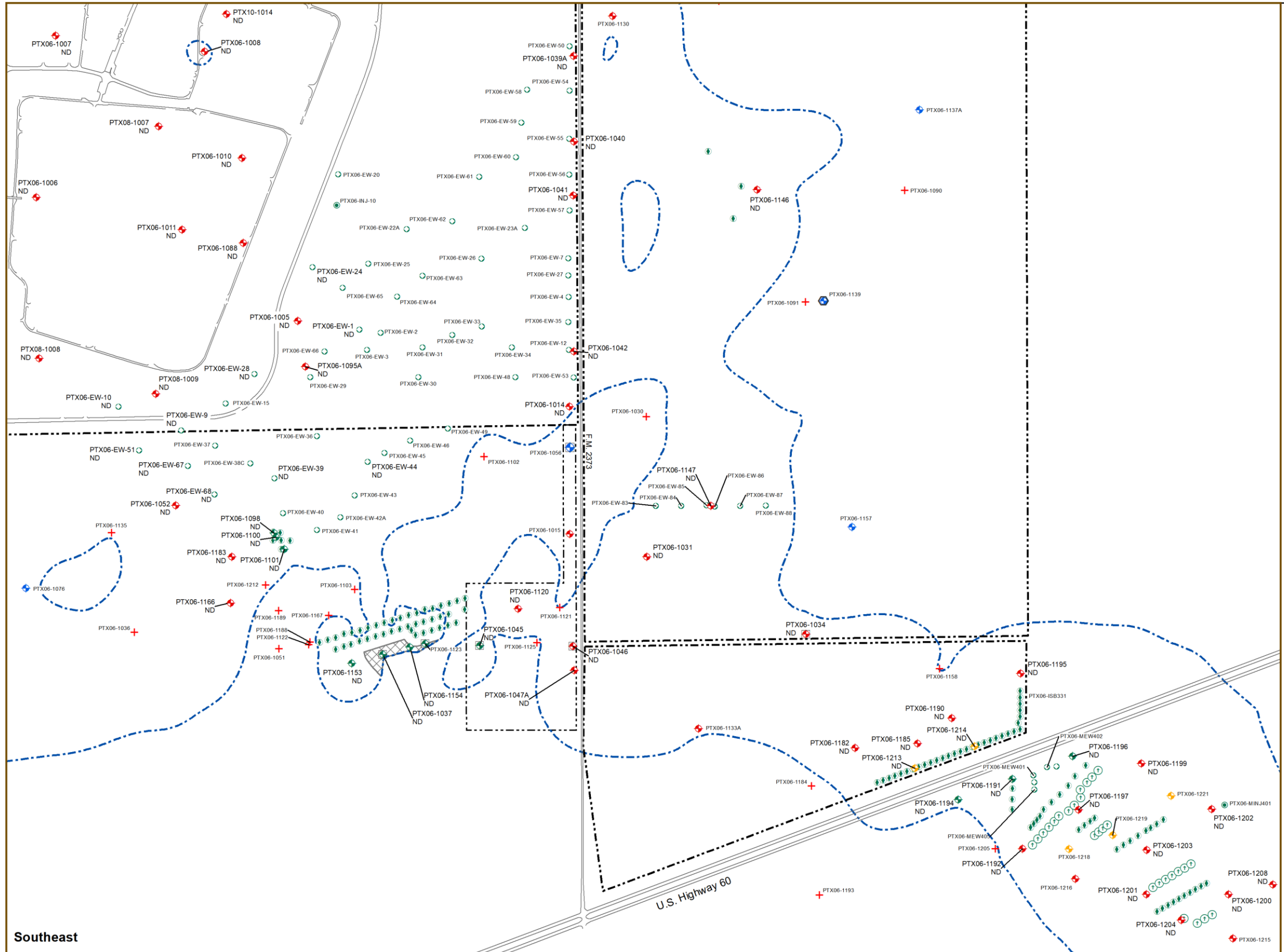
Groundwater Action Levels  
 PQL = 3 µg/L  
 GWPS = 5 µg/L



**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

Trichloroethene  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Maps





- Legend**
- Perched Wells**
- Point of Compliance
  - ◆ Monitoring
  - ⊕ Undeveloped Monitoring
  - ⊕ Dry
  - Extraction
  - Injection
  - ⊕ Treatment Zone Monitoring
  - ⊕ In Situ Performance Monitoring
  - ⊕ In Situ Bioremediation
  - ⊕ ISB Extraction
- Ogallala Wells**
- ◆ Monitoring
  - ◆ Pantex Water Supply
  - ◆ Point of Exposure
  - ◆ Point of Compliance
  - ⋯ Approximate Extent of Perched Saturation
  - ⋯ Pantex JCDC
  - ⋯ USDOE/NNSA Property
  - ⋯ Playas
- Vinyl Chloride Isoconcentrations**
- 2 µg/L
  - ⊗ Area under ISB Influence

Groundwater Action Levels  
 PQL = 1 µg/L  
 GWPS = 2 µg/L

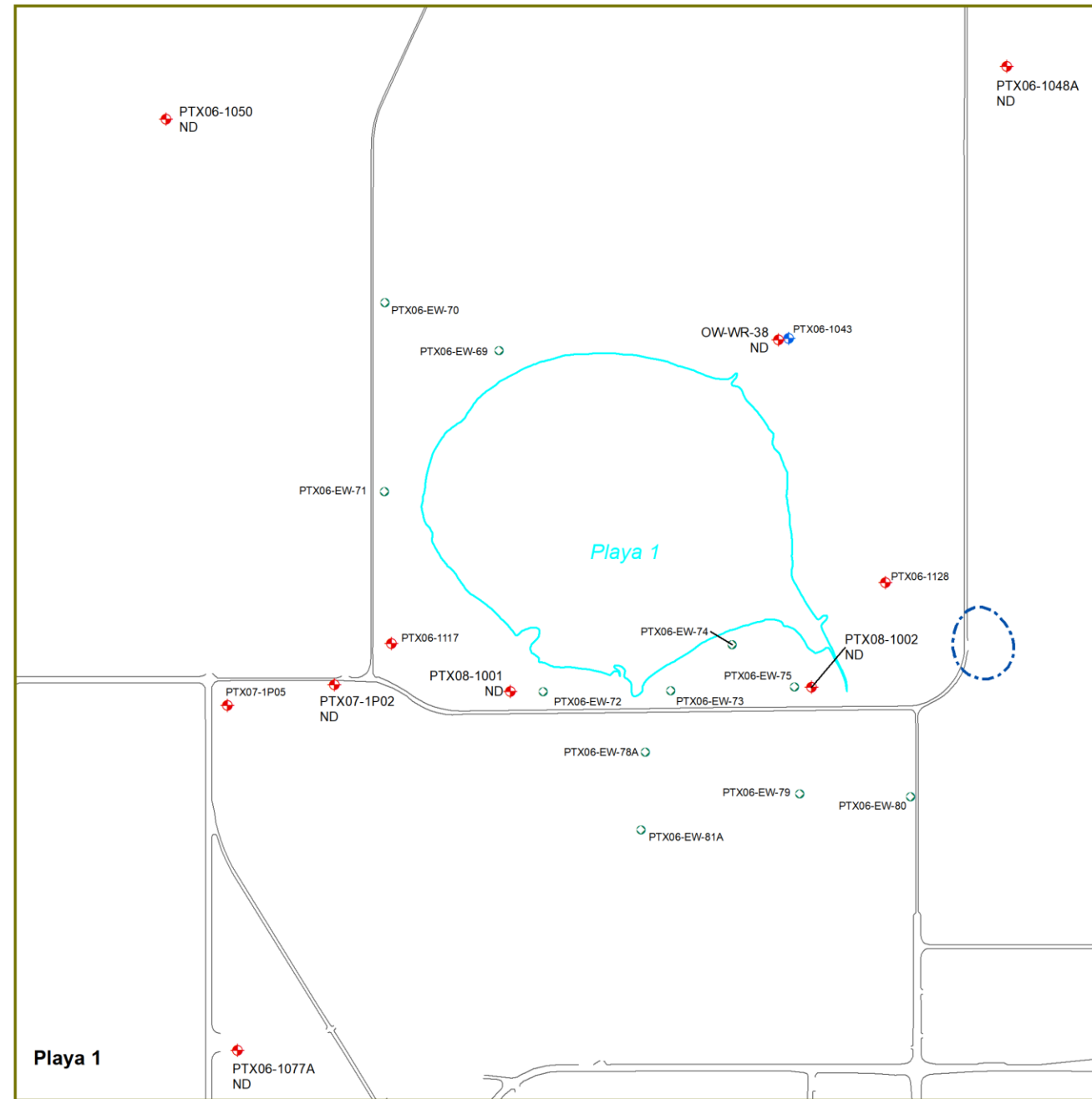
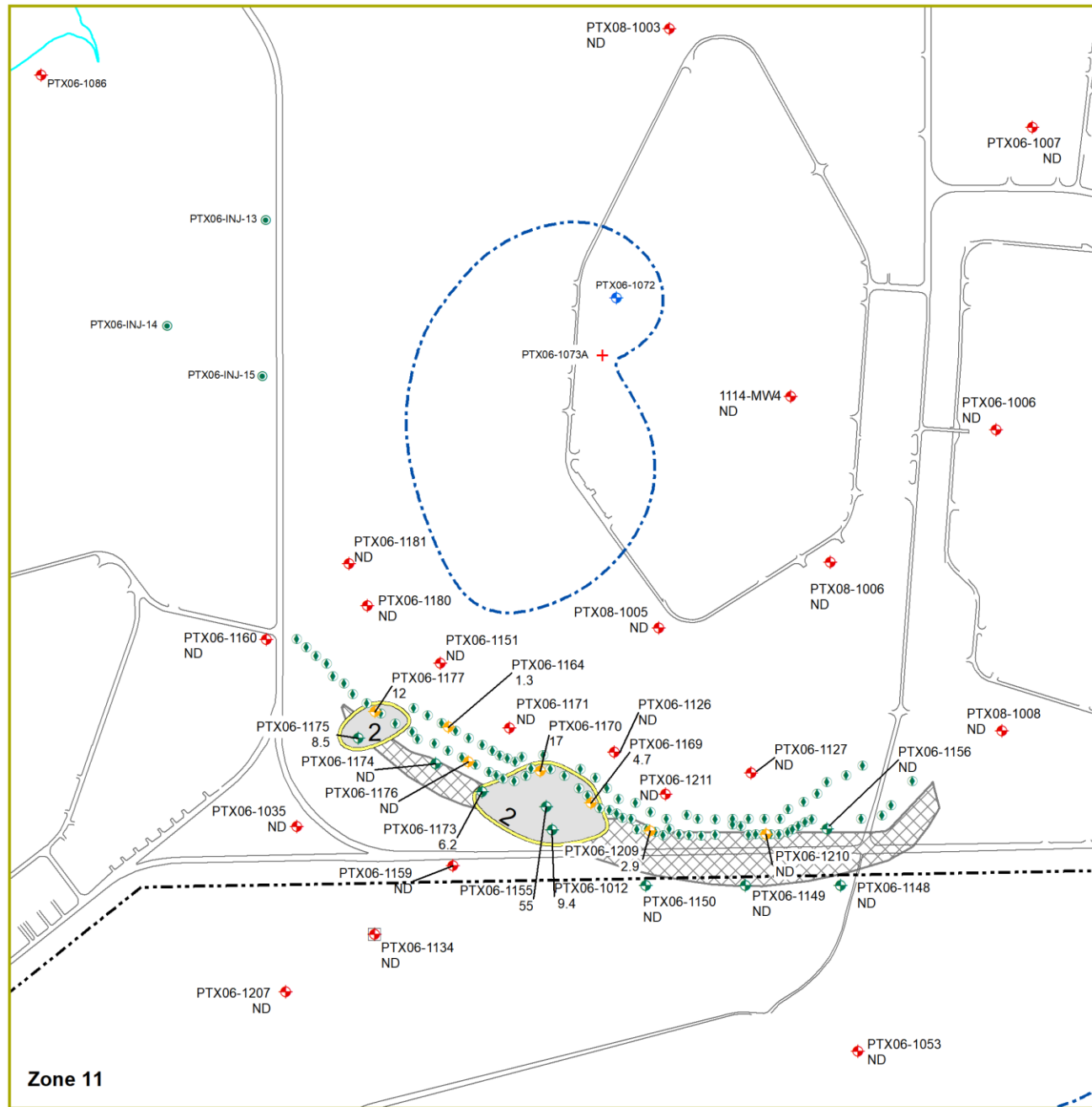
0 500 1,000 1,500 Feet

**Annual Progress Report  
 USDOE/NNSA Pantex Plant  
 June 2023**

**Vinyl Chloride  
 2022 Annual Maximum  
 Isoconcentrations  
 Perched Aquifer Inset Map**

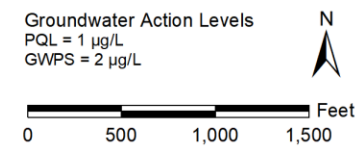
Southeast





Legend

- |                        |                                |  |   |
|------------------------|--------------------------------|--|---|
| <b>Perched Wells</b>   | Injection                      | <b>Ogallala Wells</b>                    | USDOE/NNSA Property                     |
| Point of Compliance    | Treatment Zone Monitoring      | Monitoring                               | Playas                                  |
| Monitoring             | In Situ Performance Monitoring | Pantex Water Supply                      | <b>Vinyl Chloride Isoconcentrations</b> |
| Undeveloped Monitoring | In Situ Bioremediation         | Point of Exposure                        | 2 µg/L                                  |
| Dry                    | ISB Extraction                 | Point of Compliance                      | Area under ISB Influence                |
| Extraction             |                                | Approximate Extent of Perched Saturation |   |



Annual Progress Report  
USDOE/NNSA Pantex Plant  
June 2023

Vinyl Chloride  
2022 Annual Maximum  
Isoconcentrations  
Perched Aquifer Inset Maps

This page left intentionally blank.

Appendix G  
Well Certifications and  
Completion Diagrams



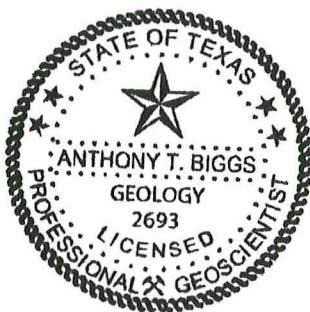
**I.U.S. Department of Energy/National Nuclear Security Administration – Pantex Plant  
Amarillo, Texas**

Certification of Well Construction  
Industrial Solid Waste Registration No. 30459  
Hazardous Waste Permit No. 50284  
EPA Identification No. TX4890110527

**Certification Statement:**

This is to certify that the construction of the following facility components authorized or required by Texas Commission On Environmental Quality HW-50284 Provision XI Compliance Plan has been completed, and that construction of said components has been performed in accordance with and in compliance with the design and construction specifications of Provision XI, Compliance Plan Attachment C, of HW-50284:

- Construction of long-term monitoring observation wells PTX06-1215 and PTX06-1216.
- Construction of ISB treatment zone monitoring wells PTX06-1218, PTX06-1219 and PTX06-1221.
- Construction of ISB injection wells PTX06-ISB425, PTX06-ISB426, PTX06-ISB427, PTX06-ISB428, PTX06-ISB429, PTX06-ISB430, PTX06-ISB431, PTX06-ISB432, PTX06-ISB437, PTX06-ISB438, PTX06-ISB439, PTX06-ISB440, PTX06-ISB453, PTX06-ISB454, PTX06-ISB455 and PTX06-ISB456.
- Construction of ISB extraction wells PTX06-REC416, PTX06-REC417, PTX06-REC418, PTX06-REC419, PTX06-REC420, PTX06-REC421, PTX06-REC422, PTX06-REC433, PTX06-REC434, PTX06-REC435, PTX06-REC436, PTX06-REC442, PTX06-REC443, PTX06-REC444, PTX06-REC445, PTX06-REC446 and PTX06-REC447.
- Construction of mobile pump and treat wells PTX06-MEW001A, PTX06-MEW002 and PTX06-MEW003.
- Construction of pump and treat injection well PTX06-MINJ401.



*AT Biggs*

Tony Biggs

*5/22/2023*

Date

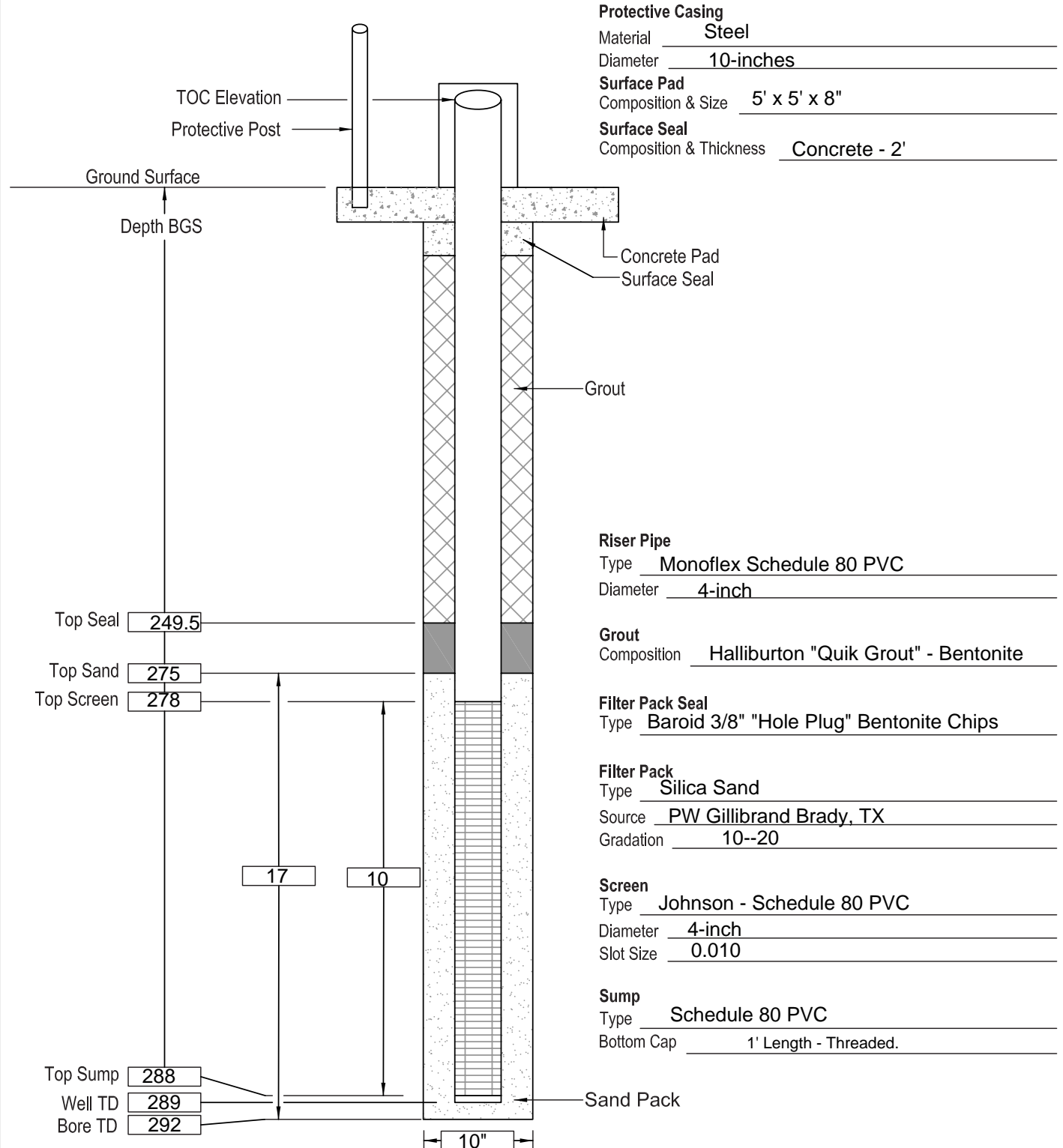
Licensed Professional Geologist No. 2693  
Environmental Projects  
Consolidated Nuclear Security, LLC

# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3748834.66 E651607.49  
 TOC Elevation: 3508.67  
 Surface Elevation: 3506.56

Well No: PTX06-1215  
 Well Type: Perched Monitoring  
 Date Constructed: 04-24-2022  
 Observed By: J Ford

Sheet 1 of 1

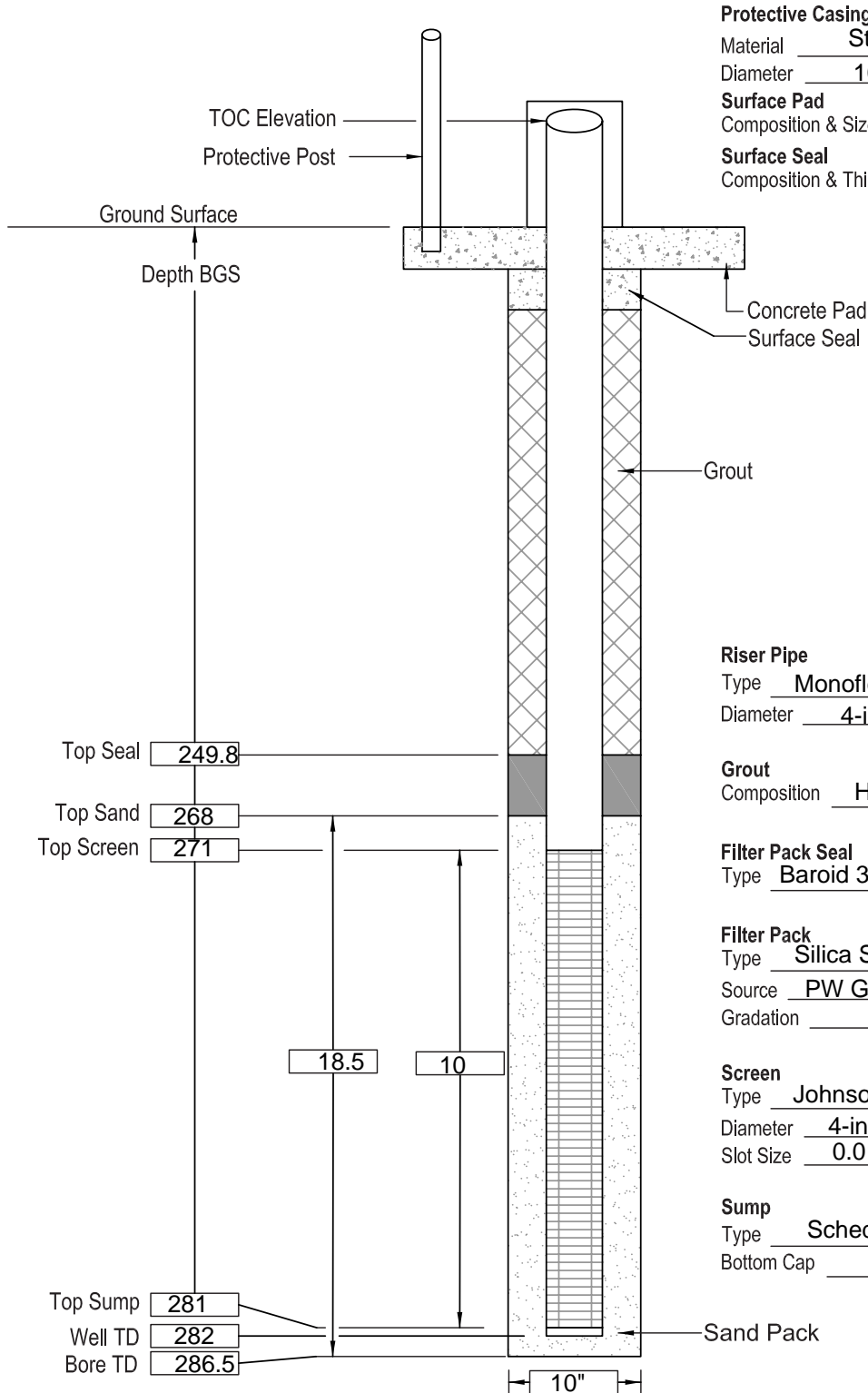


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749537.50 E649743.32  
 TOC Elevation: 3510.72  
 Surface Elevation: 3508.61

Well No: PTX06-1216  
 Well Type: Perched Monitoring  
 Date Constructed: 06-24-2022  
 Observed By: R W Hill

Sheet 1 of 1



**Protective Casing**  
 Material Steel  
 Diameter 10-inches  
**Surface Pad**  
 Composition & Size 5' x 5' x 8"  
**Surface Seal**  
 Composition & Thickness Concrete - 2'

**Riser Pipe**  
 Type Monoflex Schedule 80 PVC  
 Diameter 4-inch

**Grout**  
 Composition Halliburton "Quik Grout" - Bentonite

**Filter Pack Seal**  
 Type Baroid 3/8" "Hole Plug" Bentonite Chips

**Filter Pack**  
 Type Silica Sand  
 Source PW Gillibrand Brady, TX  
 Gradation 12--20

**Screen**  
 Type Johnson - Schedule 80 PVC  
 Diameter 4-inch  
 Slot Size 0.010

**Sump**  
 Type Schedule 80 PVC  
 Bottom Cap 1' Length - Threaded.

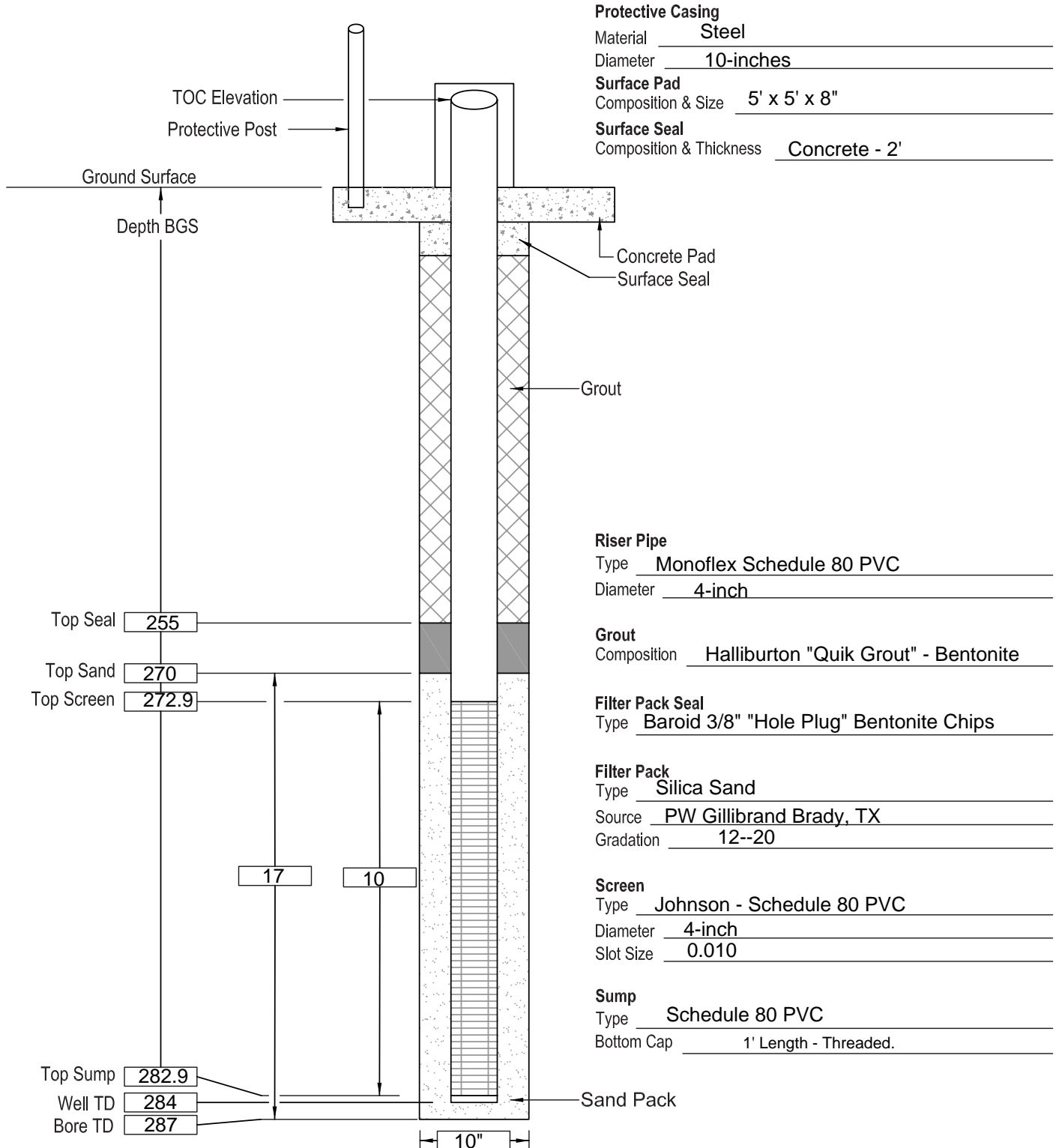
Sand Pack

# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749890.07 E649667.96  
 TOC Elevation: 3511.72  
 Surface Elevation: 3509.63

Well No: PTX06-1218  
 Well Type: Perched Monitoring  
 Date Constructed: 05-03 + 05-04-2022  
 Observed By: R Hill

Sheet 1 of 1



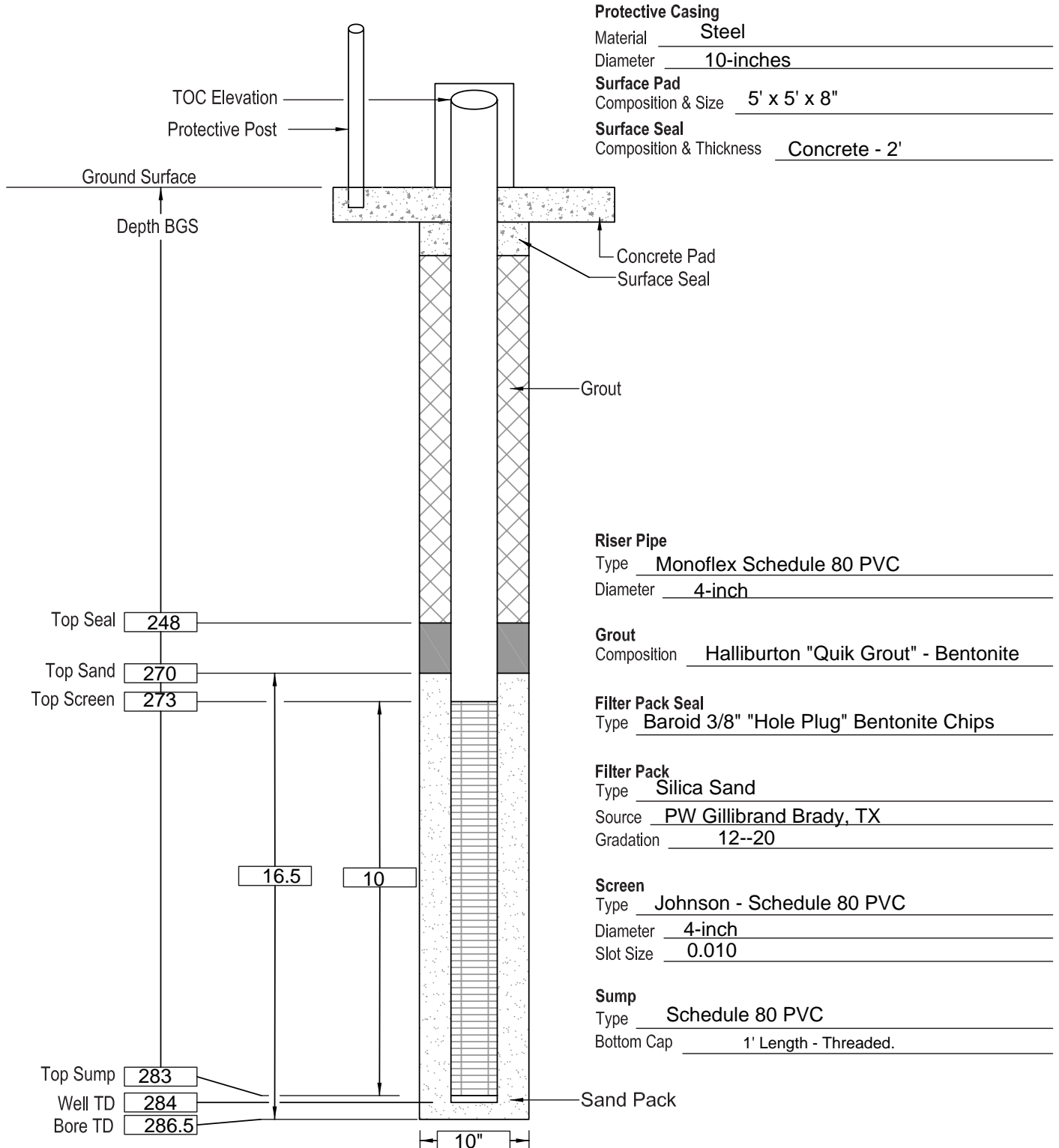


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750054.28 E650185.72  
 TOC Elevation: 3511.80  
 Surface Elevation: 3509.75

Well No: PTX06-1219  
 Well Type: Perched Monitoring  
 Date Constructed: 06-26-2022  
 Observed By: R W Hill

Sheet 1 of 1

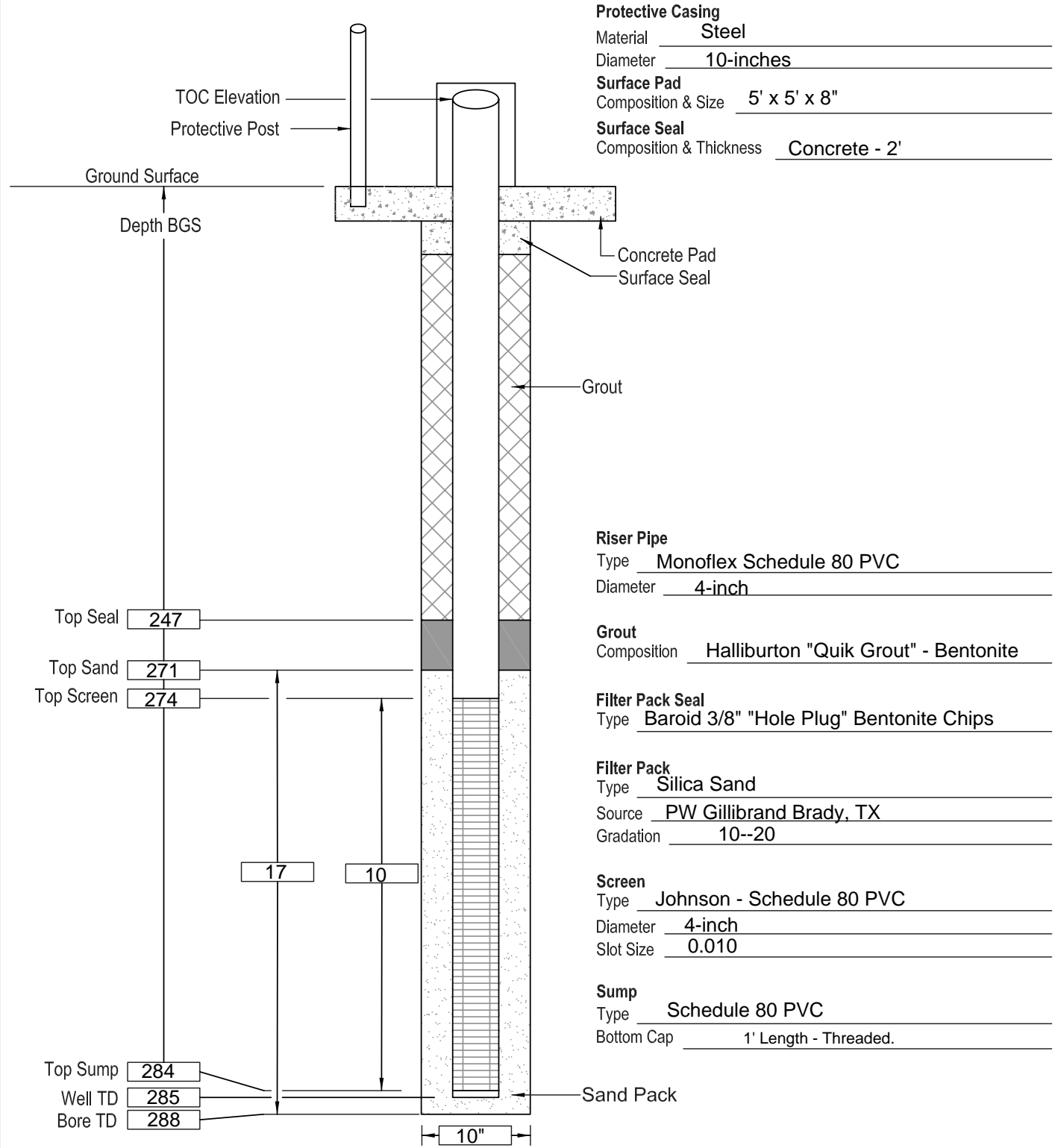


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750521.45 E650875.74  
 TOC Elevation: 3513.31  
 Surface Elevation: 3511.32

Well No: PTX06-1221  
 Well Type: Perched Monitoring  
 Date Constructed: 04-26 + 04-27-2022  
 Observed By: J Ford

Sheet 1 of 1

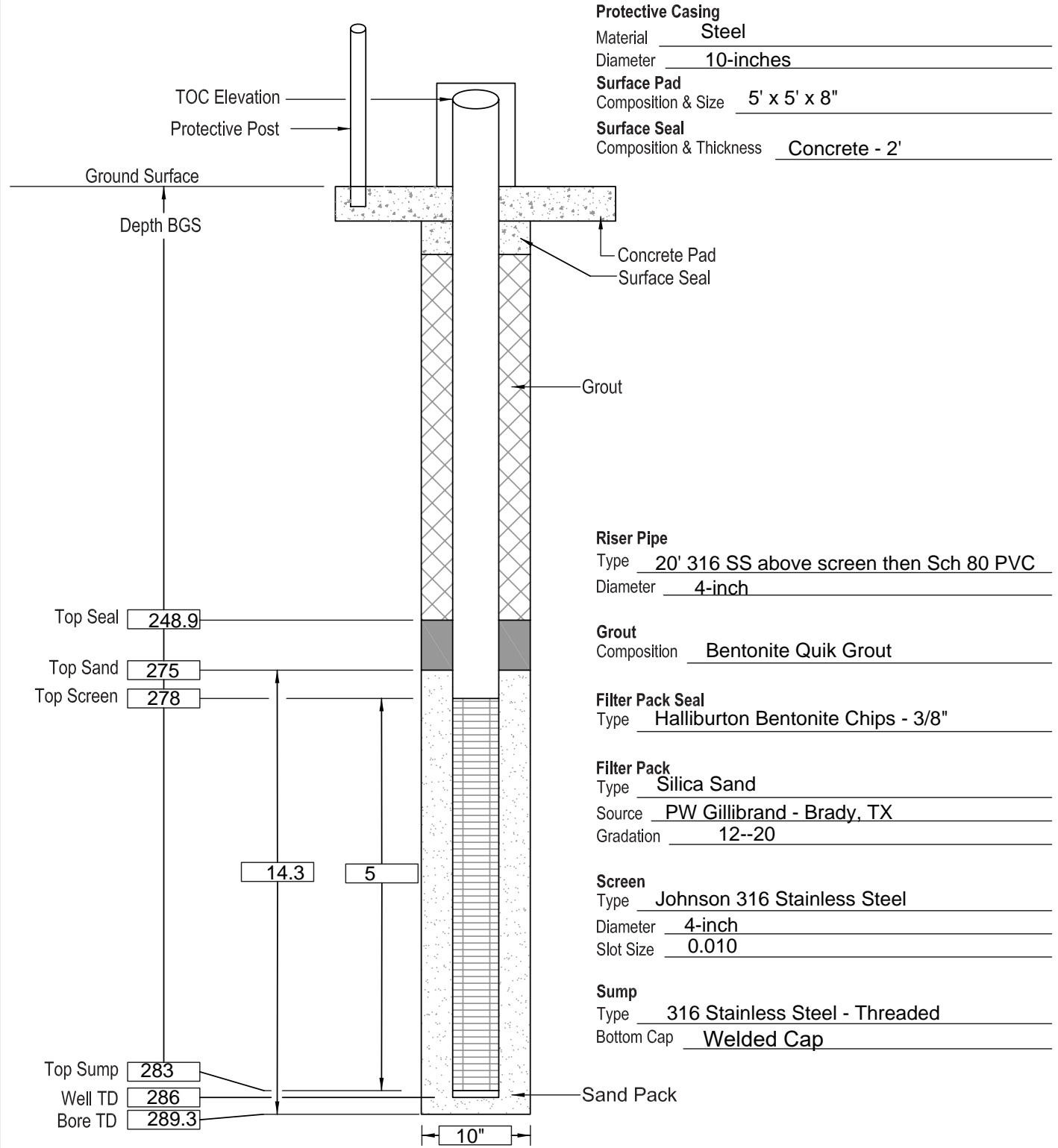


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749889.05 E650237.10  
 TOC Elevation: 3511.42  
 Surface Elevation: 3509.33

Well No: PTX06-ISB425  
 Well Type: Injection  
 Date Constructed: 08-07-2022  
 Observed By: J Ford

Sheet 1 of 1



**Protective Casing**

Material Steel  
 Diameter 10-inches

**Surface Pad**

Composition & Size 5' x 5' x 8"

**Surface Seal**

Composition & Thickness Concrete - 2'

**Riser Pipe**

Type 20' 316 SS above screen then Sch 80 PVC  
 Diameter 4-inch

**Grout**

Composition Bentonite Quik Grout

**Filter Pack Seal**

Type Halliburton Bentonite Chips - 3/8"

**Filter Pack**

Type Silica Sand  
 Source PW Gillibrand - Brady, TX  
 Gradation 12--20

**Screen**

Type Johnson 316 Stainless Steel  
 Diameter 4-inch  
 Slot Size 0.010

**Sump**

Type 316 Stainless Steel - Threaded  
 Bottom Cap Welded Cap

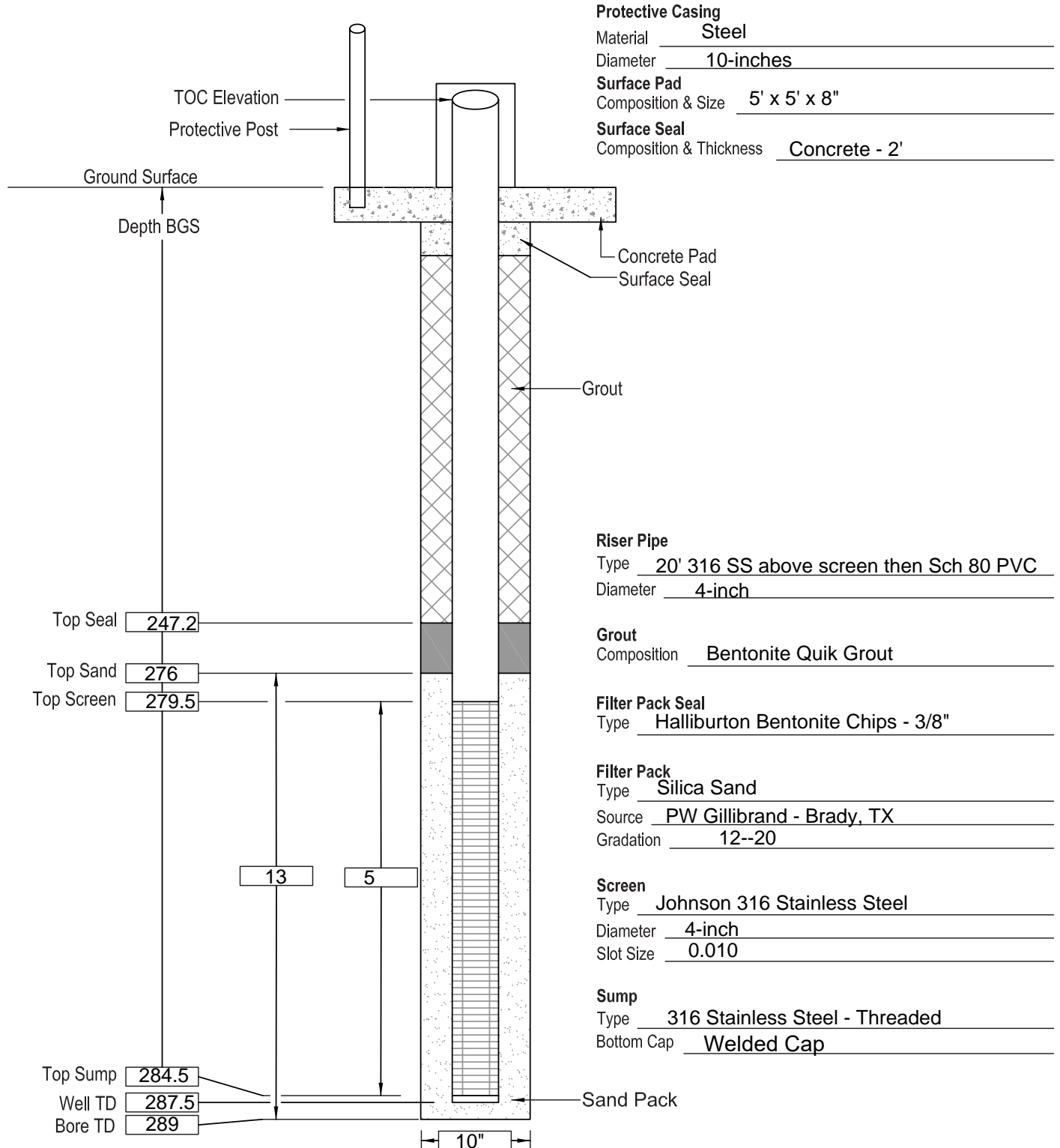
Sand Pack

# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749940.31 E650315.00  
 TOC Elevation: 3511.37  
 Surface Elevation: 3509.27

Well No: PTX06-ISB426  
 Well Type: Injection  
 Date Constructed: 08-04-2022  
 Observed By: J Ford

Sheet 1 of 1

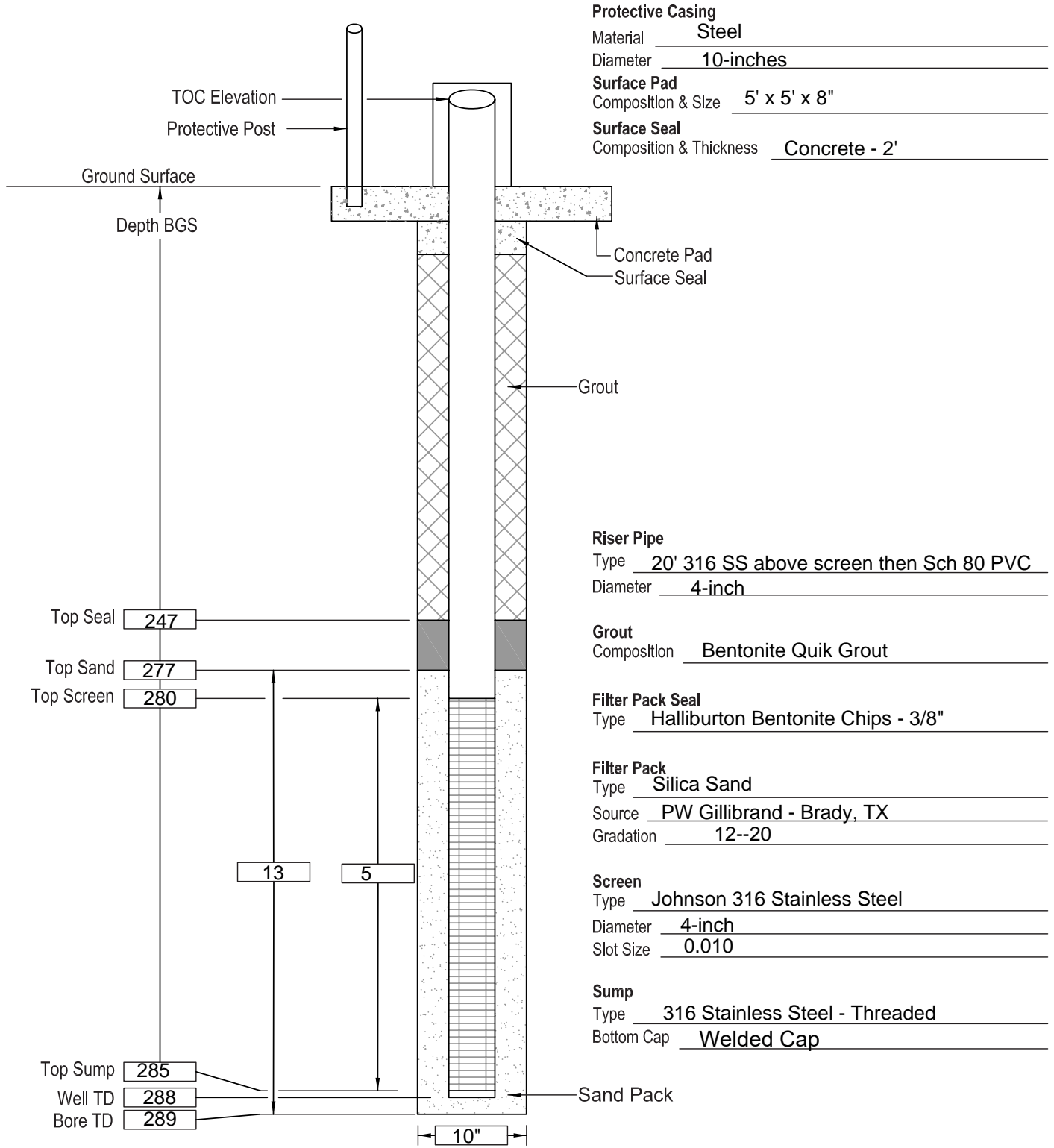


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749988.93 E650394.60  
 TOC Elevation: 3511.44  
 Surface Elevation: 3509.24

Well No: PTX06-ISB427  
 Well Type: Injection  
 Date Constructed: 08-02-2022  
 Observed By: J Ford

Sheet 1 of 1

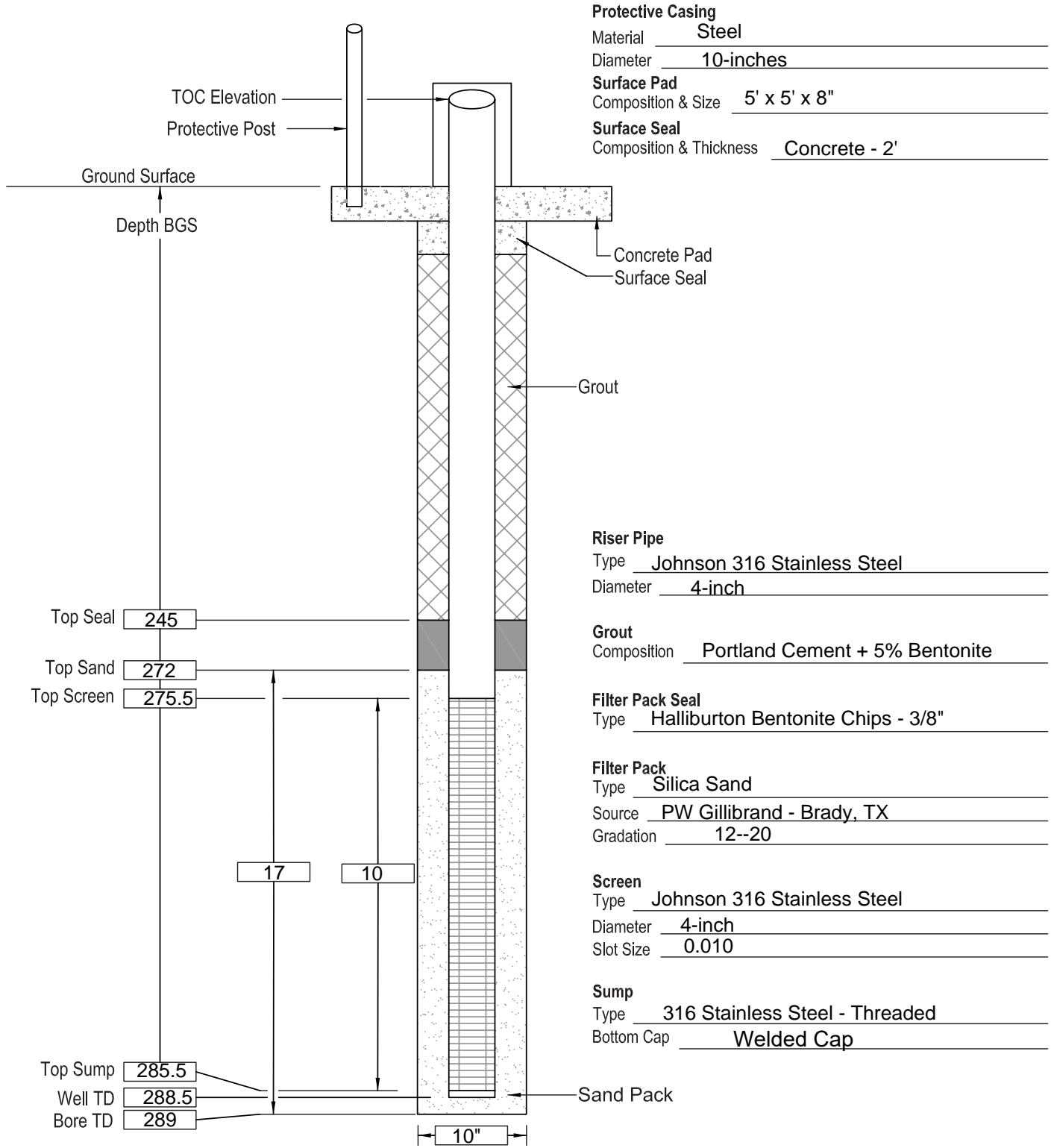


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750047.56 E650485.88  
 TOC Elevation: 3511.52  
 Surface Elevation: 3509.39

Well No: PTX06-ISB428  
 Well Type: Injection  
 Date Constructed: 07-07-2022  
 Observed By: J Ford

Sheet 1 of 1

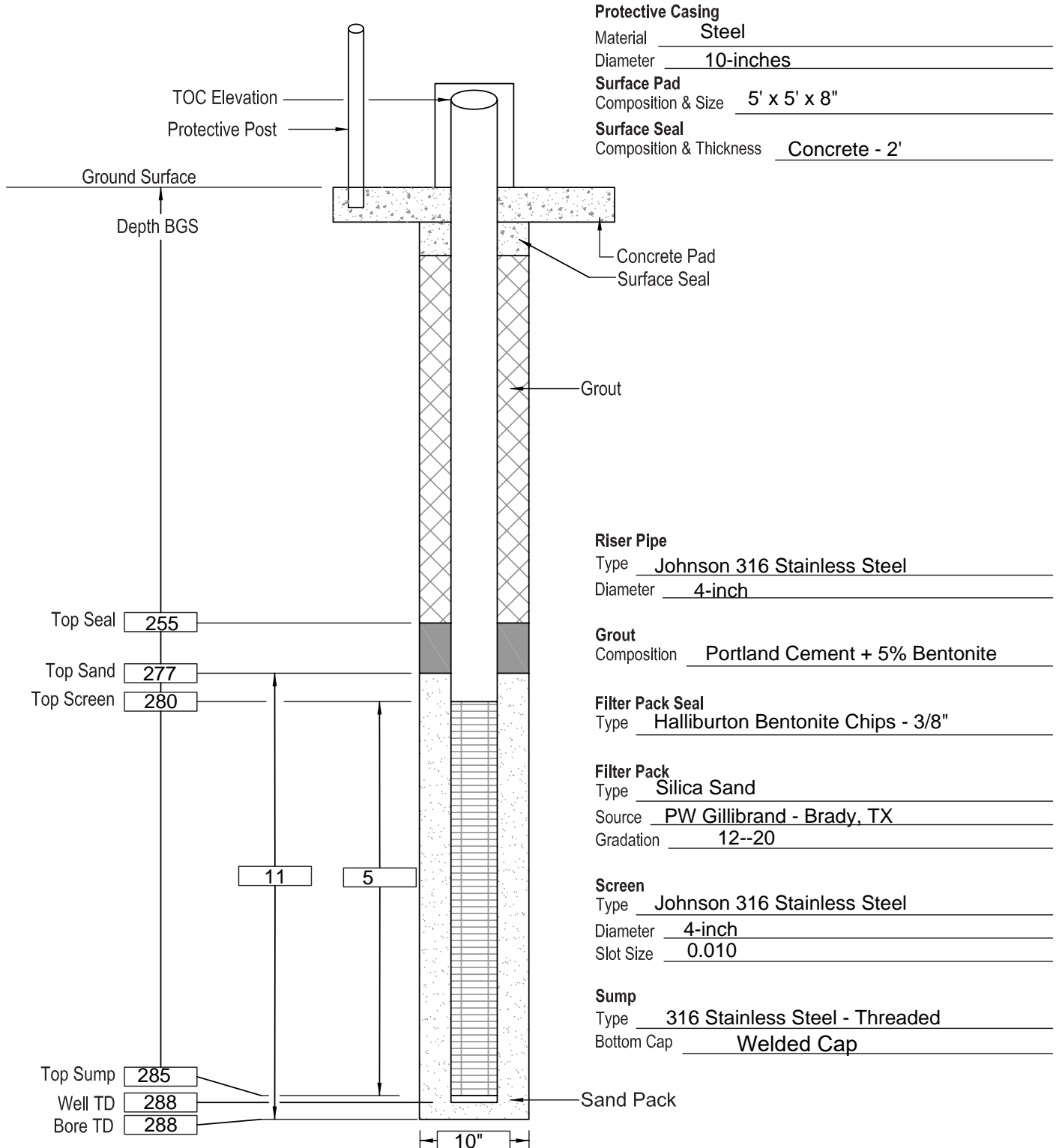


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750108.23 E6650582.37  
 TOC Elevation: 3512.31  
 Surface Elevation: 3510.39

Well No: PTX06-ISB429  
 Well Type: Injection  
 Date Constructed: 06-29-2022  
 Observed By: J Ford

Sheet 1 of 1

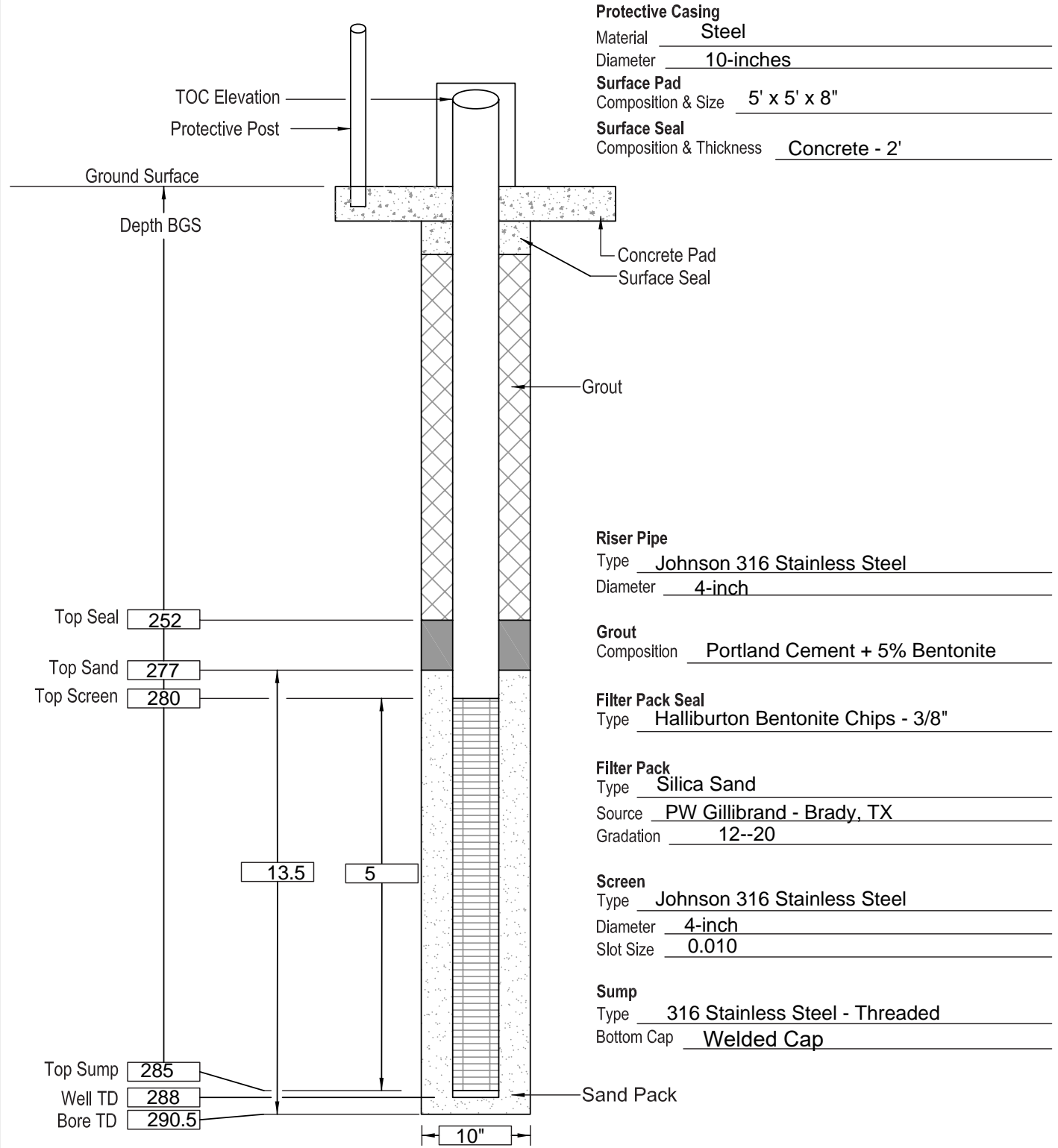


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750141.61 E650635.79  
 TOC Elevation: 3512.22  
 Surface Elevation: 3510.17

Well No: PTX06-ISB430  
 Well Type: Injection  
 Date Constructed: 06-27-2022  
 Observed By: J Ford

Sheet 1 of 1



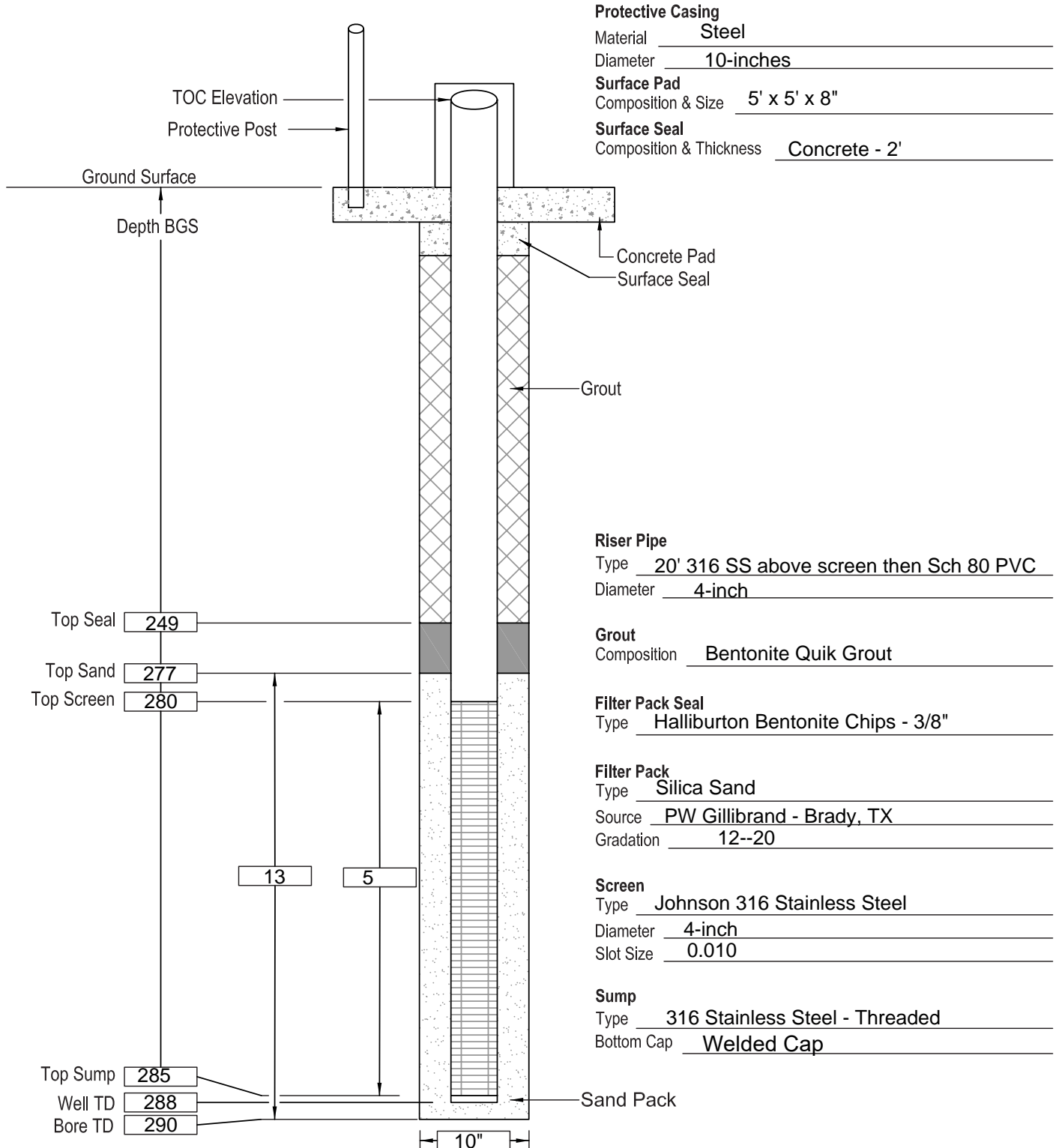


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750189.11 E650708.72  
 TOC Elevation: 3512.51  
 Surface Elevation: 3510.36

Well No: PTX06-ISB431  
 Well Type: Injection  
 Date Constructed: 08-18-2022  
 Observed By: J Ford

Sheet 1 of 1

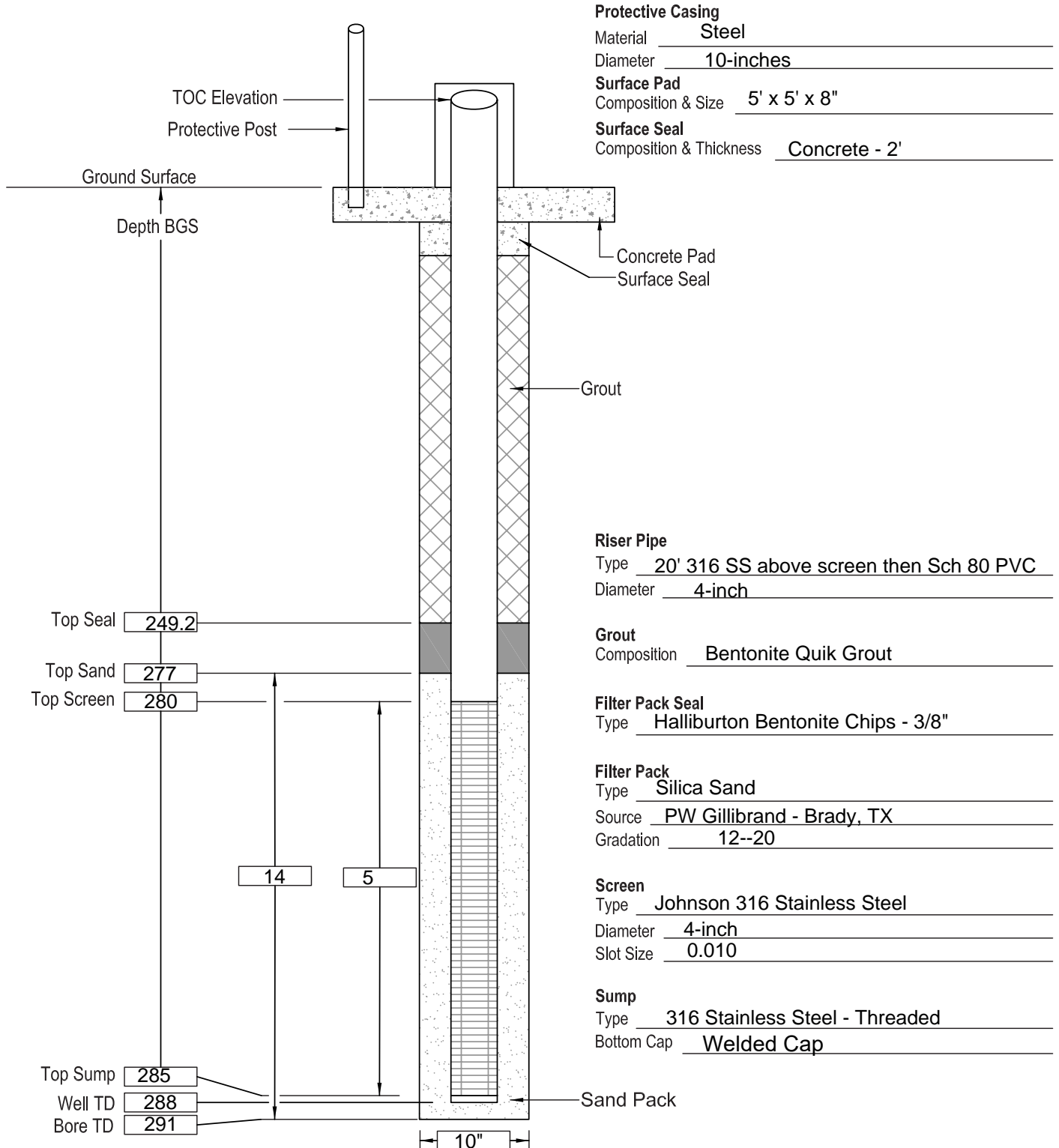


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750238.86 E650787.00  
 TOC Elevation: 3512.67  
 Surface Elevation: 3510.56

Well No: PTX06-ISB432  
 Well Type: Injection  
 Date Constructed: 08-08-2022  
 Observed By: J Ford

Sheet 1 of 1

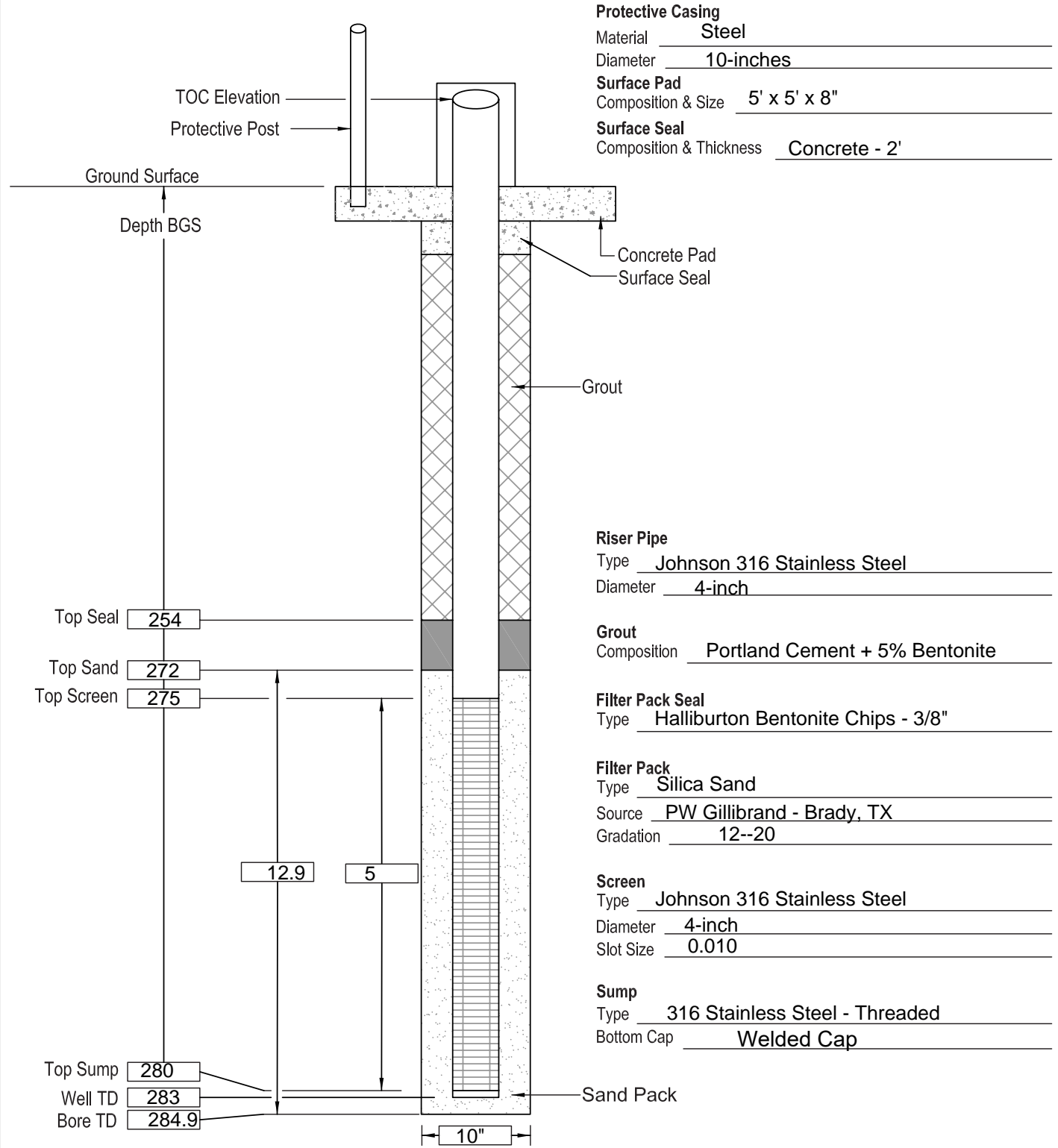


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750120.41 E649787.61  
 TOC Elevation: 3512.38  
 Surface Elevation: 3510.29

Well No: PTX06-ISB437  
 Well Type: Injection  
 Date Constructed: 06-29-2022  
 Observed By: J Ford

Sheet 1 of 1

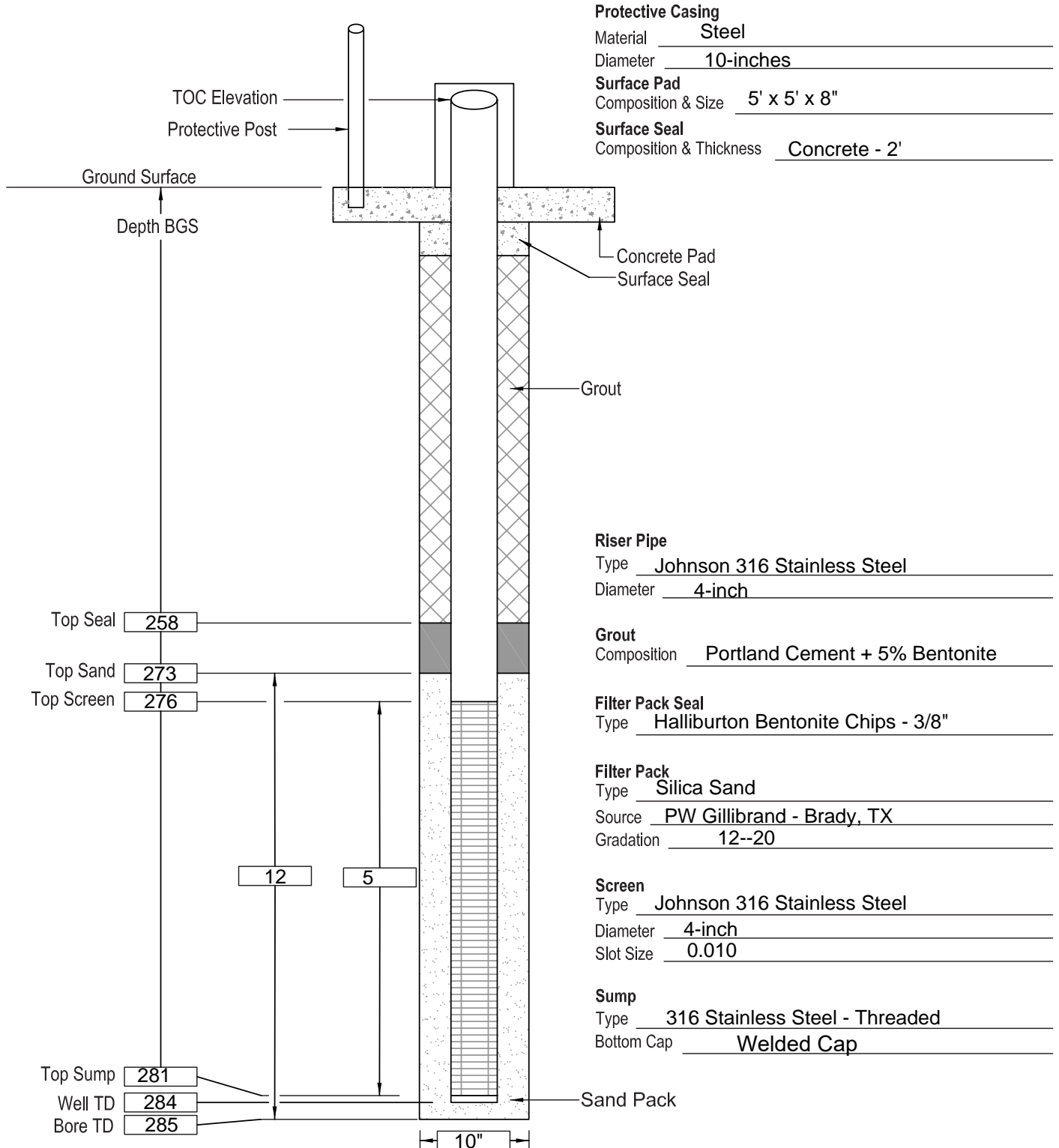


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750171.10 E649855.36  
 TOC Elevation: 3512.40  
 Surface Elevation: 3510.28

Well No: PTX06-ISB438  
 Well Type: Injection  
 Date Constructed: 07-07-2022  
 Observed By: J Ford

Sheet 1 of 1

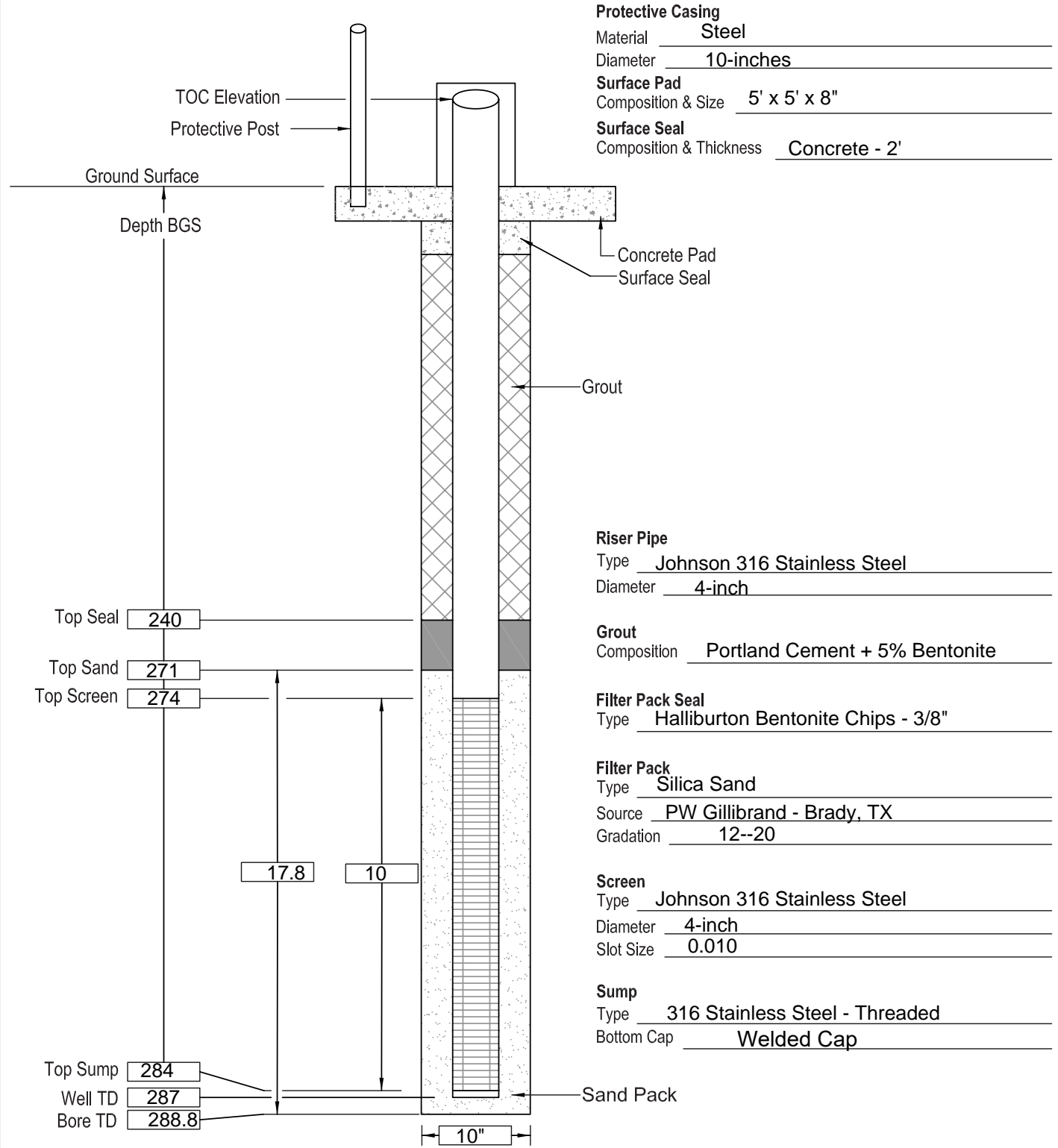


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750221.31 E649921.41  
 TOC Elevation: 3512.34  
 Surface Elevation: 3510.22

Well No: PTX06-ISB439  
 Well Type: Injection  
 Date Constructed: 07-09-2022  
 Observed By: J Ford

Sheet 1 of 1

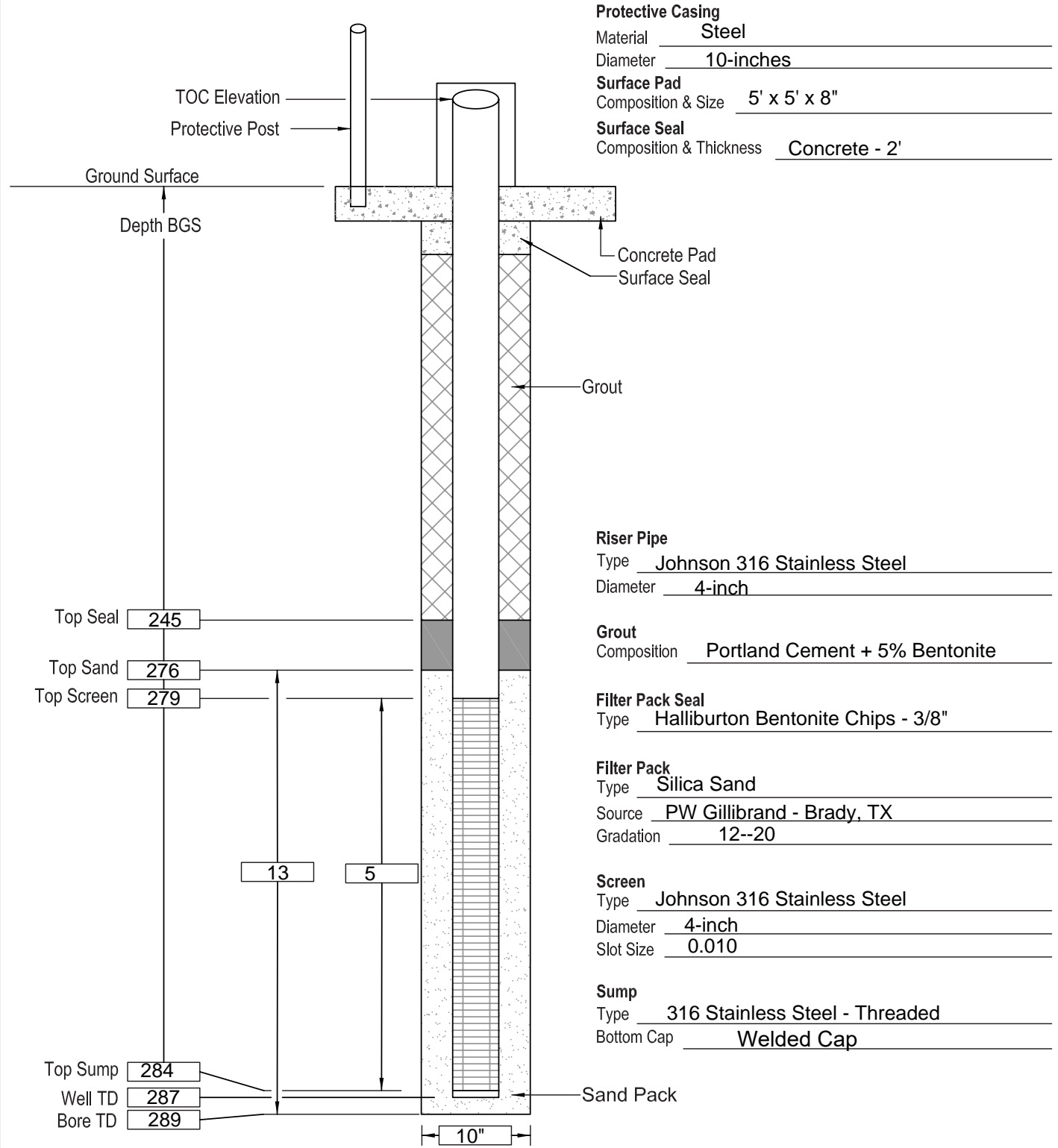


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750258.98 E649972.93  
 TOC Elevation: 3512.36  
 Surface Elevation: 3510.24

Well No: PTX06-ISB440  
 Well Type: Injection  
 Date Constructed: 07-12-2022  
 Observed By: J Ford

Sheet 1 of 1

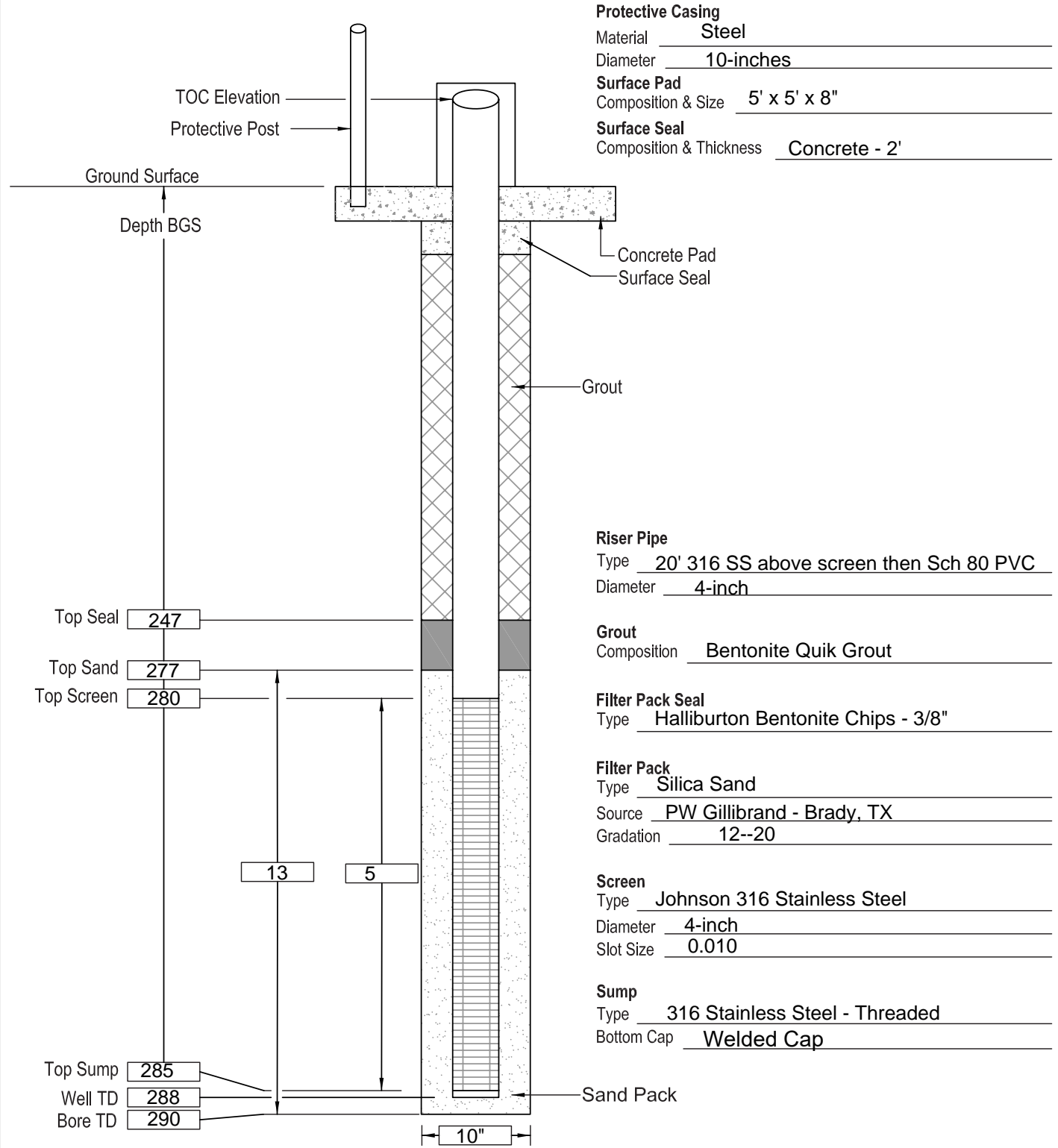


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750145.23 E649215.32  
 TOC Elevation: 3513.28  
 Surface Elevation: 3511.14

Well No: PTX06-ISB453  
 Well Type: Injection  
 Date Constructed: 07-13-2022  
 Observed By: J Ford

Sheet 1 of 1

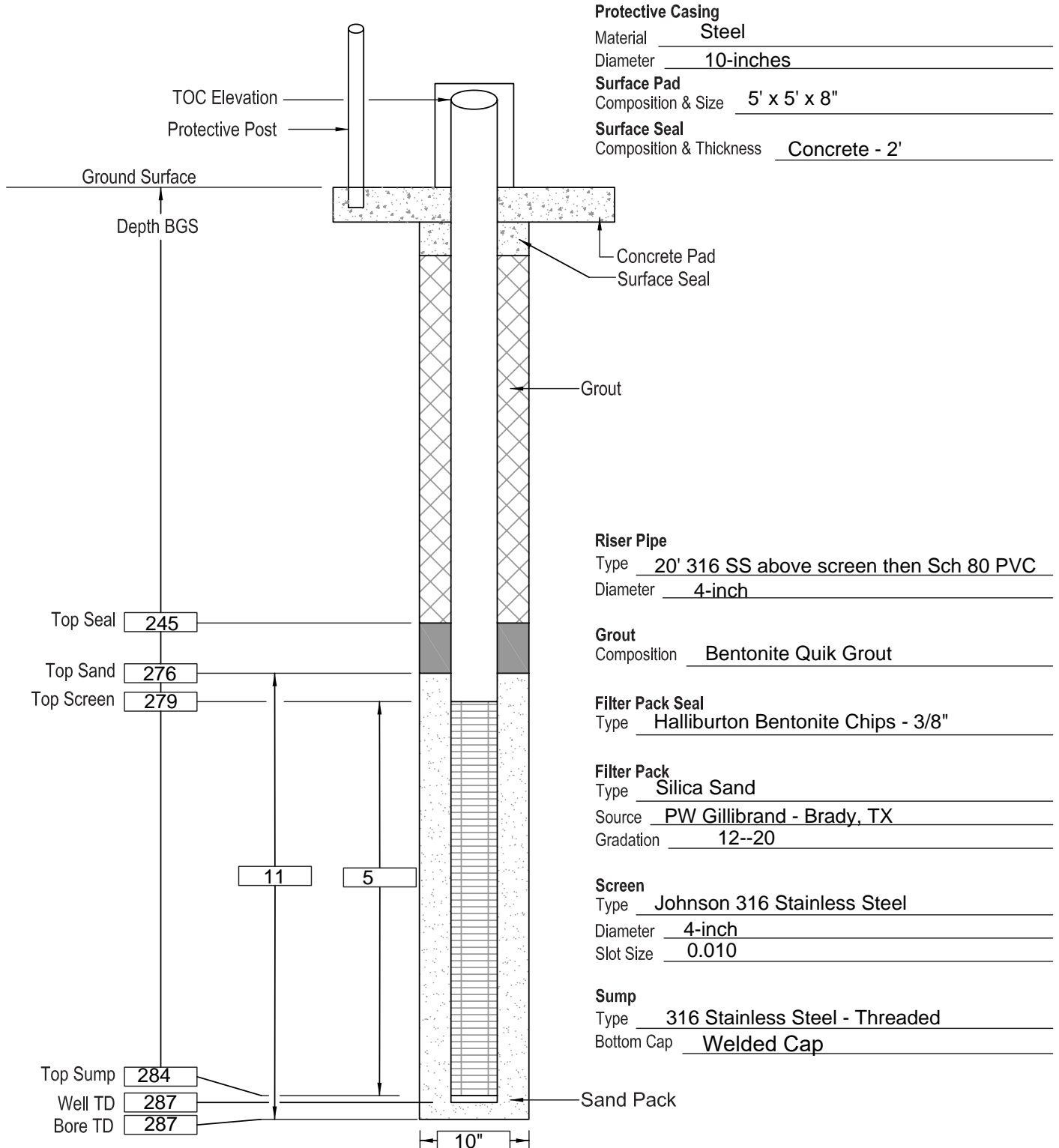


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750191.39 E649253.94  
 TOC Elevation: 3512.44  
 Surface Elevation: 3510.36

Well No: PTX06-ISB454  
 Well Type: Injection  
 Date Constructed: 07-20-2022  
 Observed By: J Ford

Sheet 1 of 1



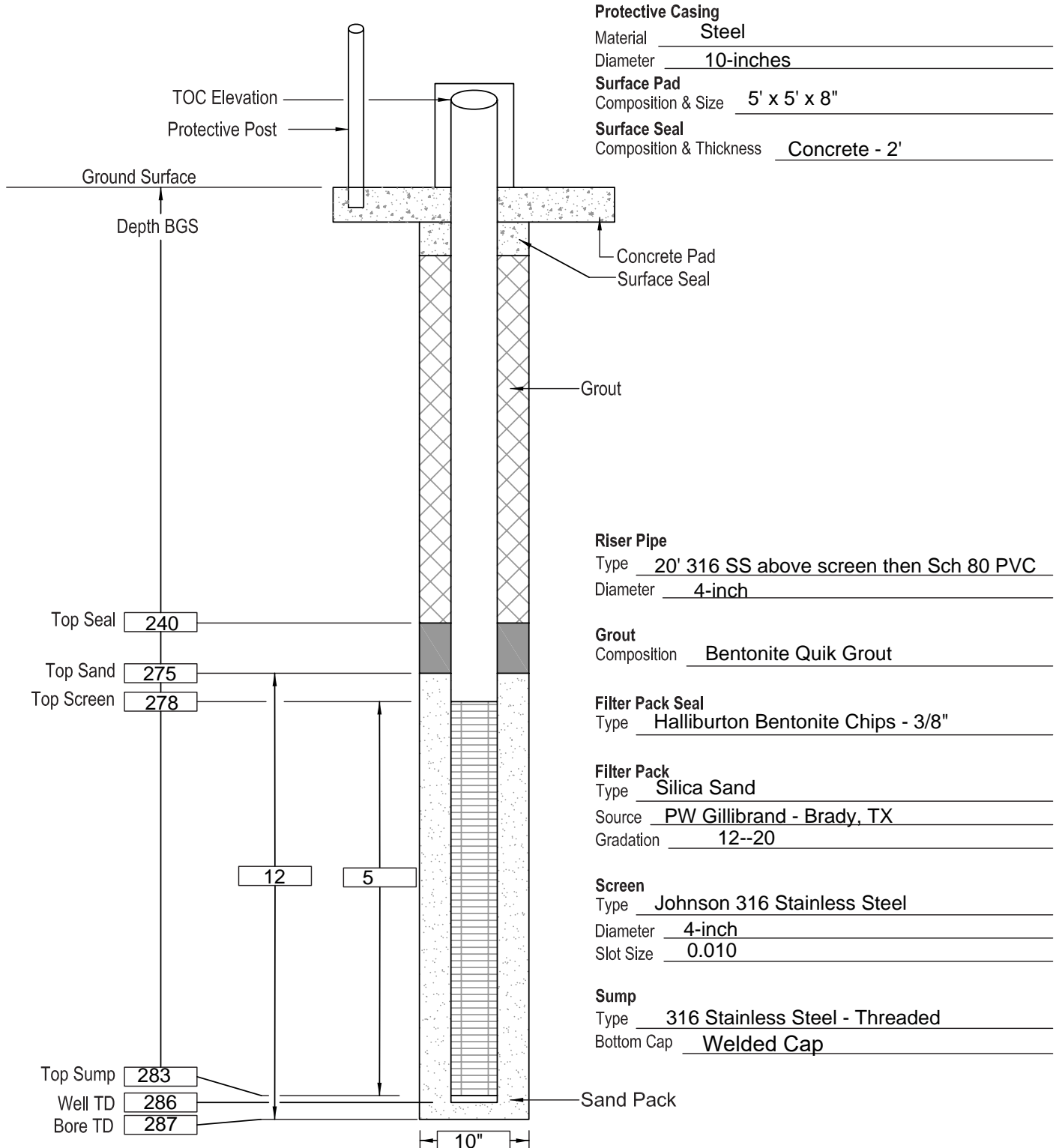


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750235.65 E649291.57  
 TOC Elevation: 3512.75  
 Surface Elevation: 3510.74

Well No: PTX06-ISB455  
 Well Type: Injection  
 Date Constructed: 07-23-2022  
 Observed By: J Ford

Sheet 1 of 1

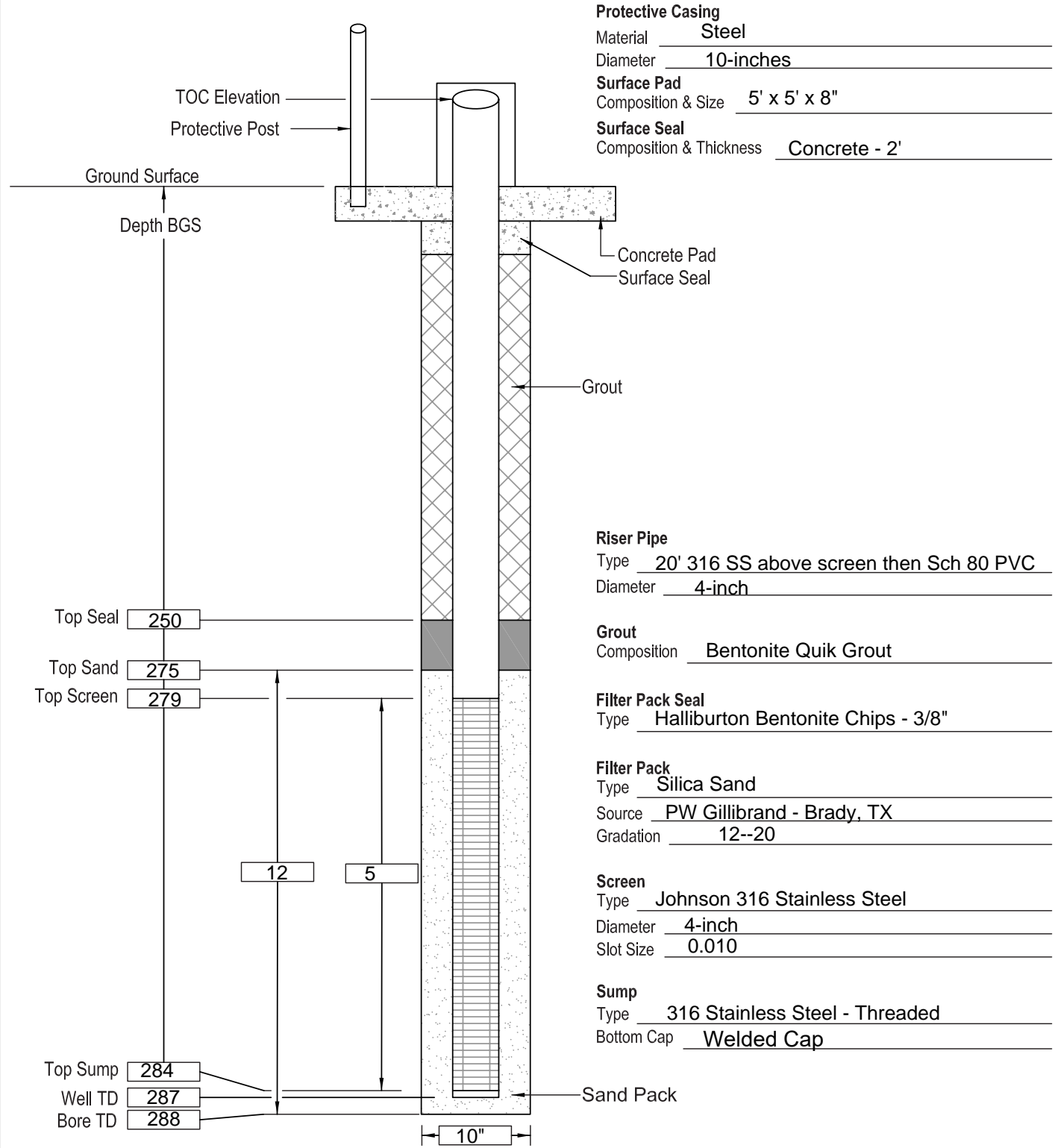


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm - ISB  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750281.30 E649328.78  
 TOC Elevation: 3513.19  
 Surface Elevation: 3511.16

Well No: PTX06-ISB456  
 Well Type: Injection  
 Date Constructed: 07-24-2022  
 Observed By: J Ford

Sheet 1 of 1

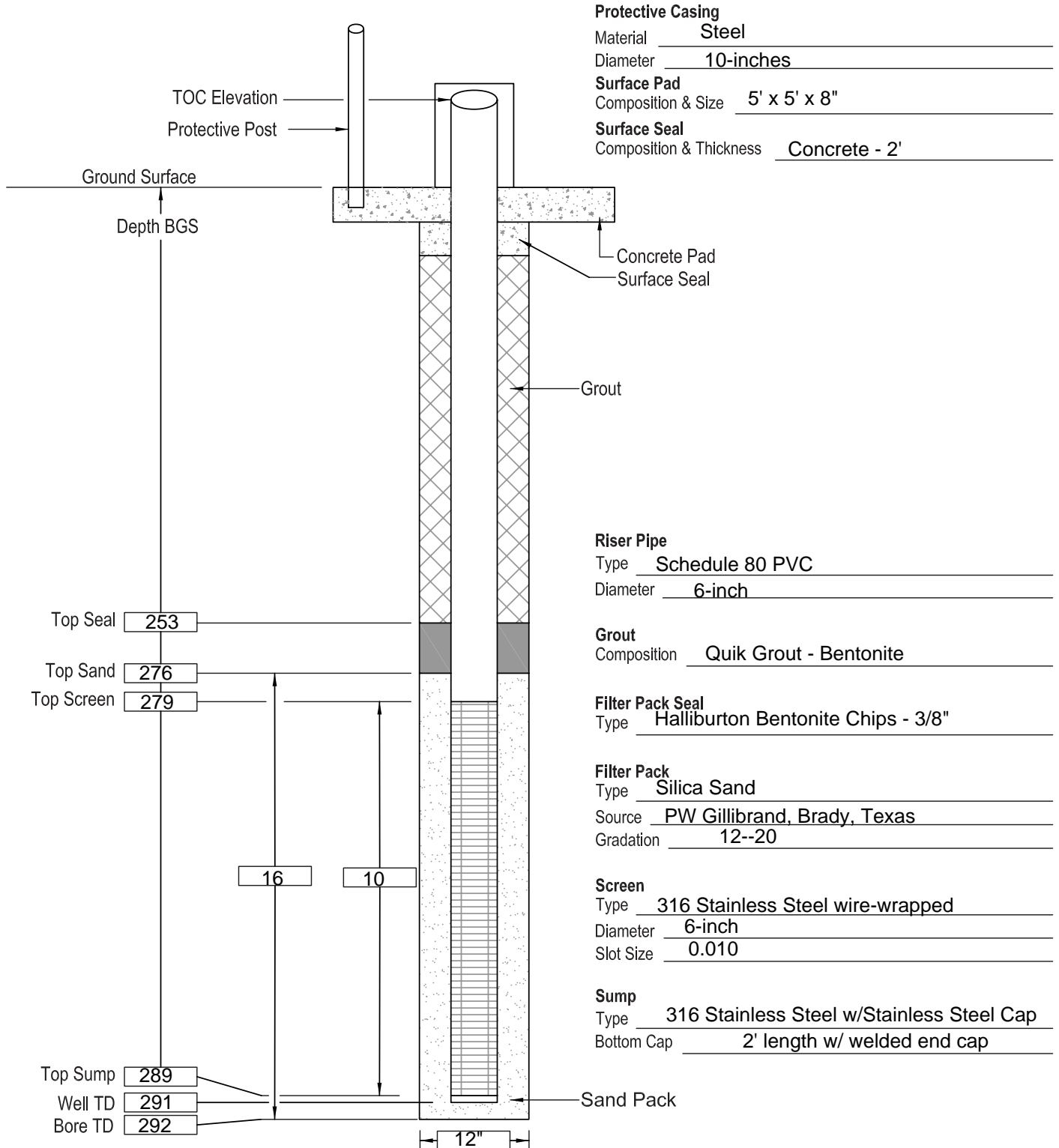


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749438.56 E650662.78  
 TOC Elevation: 3510.73  
 Surface Elevation: 3508.63

Well No: PTX06-REC416  
 Well Type: Extraction  
 Date Constructed: 07-25-2022  
 Observed By: R Hill

Sheet 1 of 1

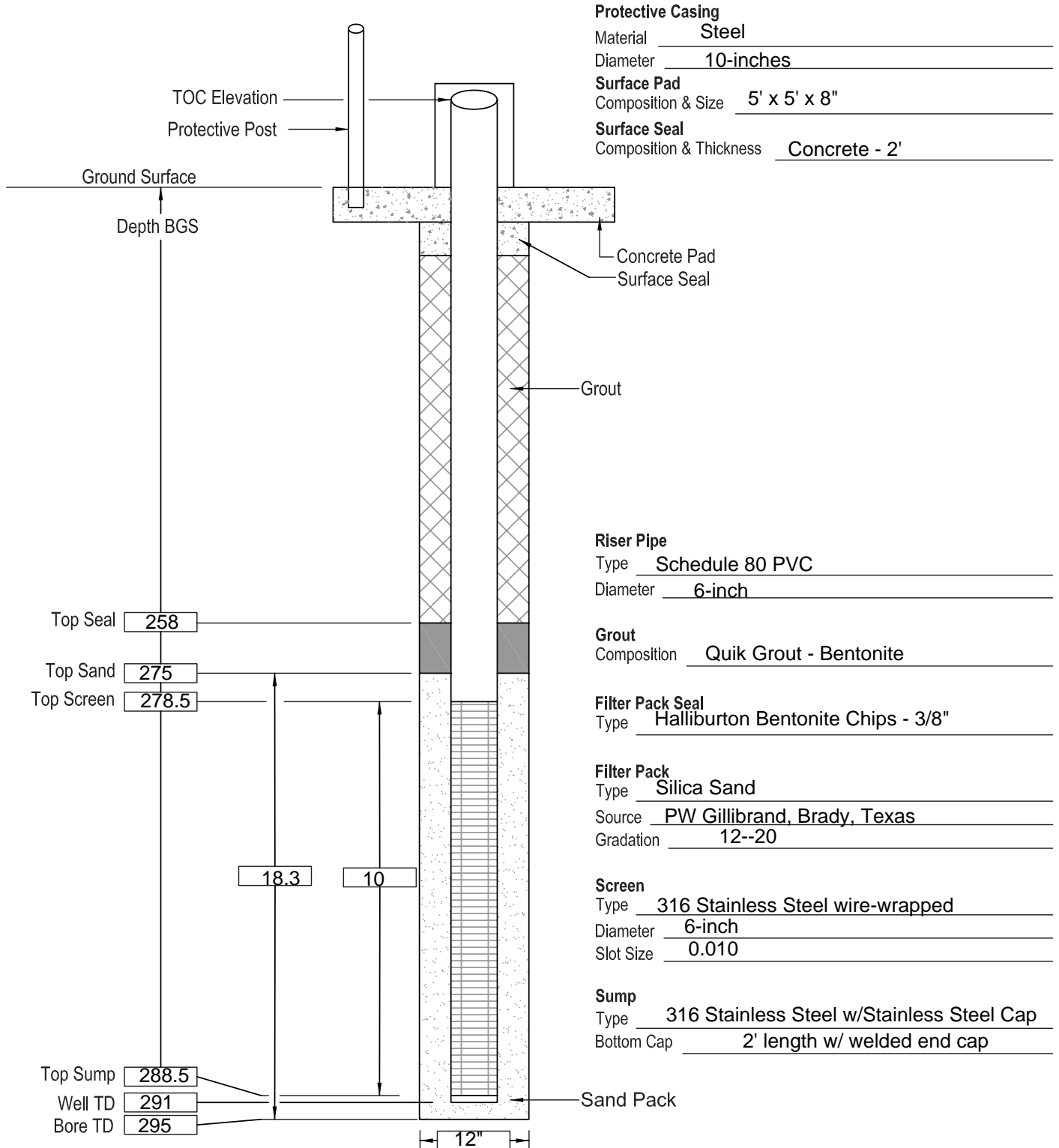


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749484.59 E650738.08  
 TOC Elevation: 3511.26  
 Surface Elevation: 3509.17

Well No: PTX06-REC417  
 Well Type: Extraction  
 Date Constructed: 08-26-2022  
 Observed By: R Hill

Sheet 1 of 1

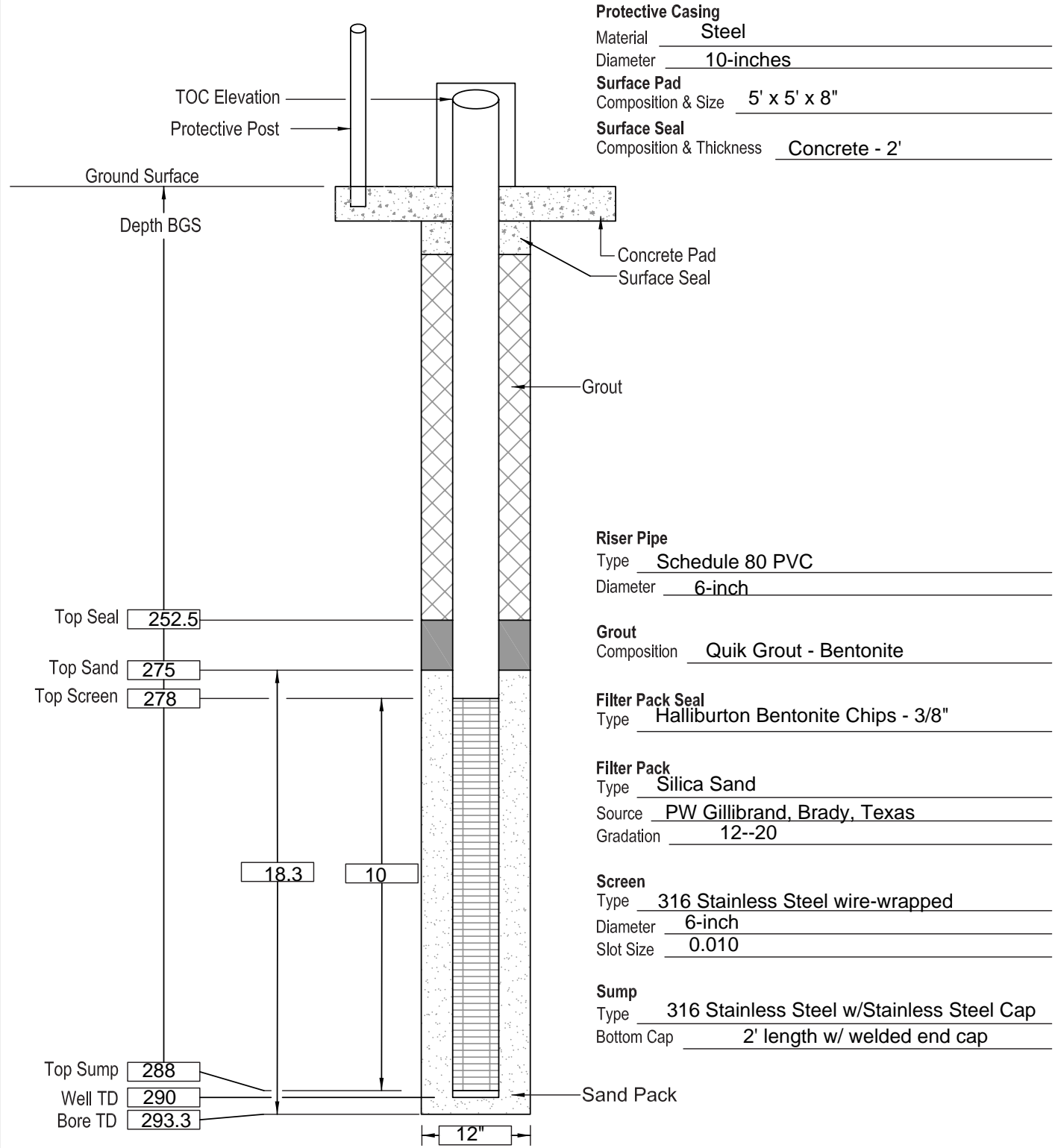


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749529.58 E650812.65  
 TOC Elevation: 3511.25  
 Surface Elevation: 3509.12

Well No: PTX06-REC418  
 Well Type: Extraction  
 Date Constructed: 08-18-2022  
 Observed By: R Hill

Sheet 1 of 1

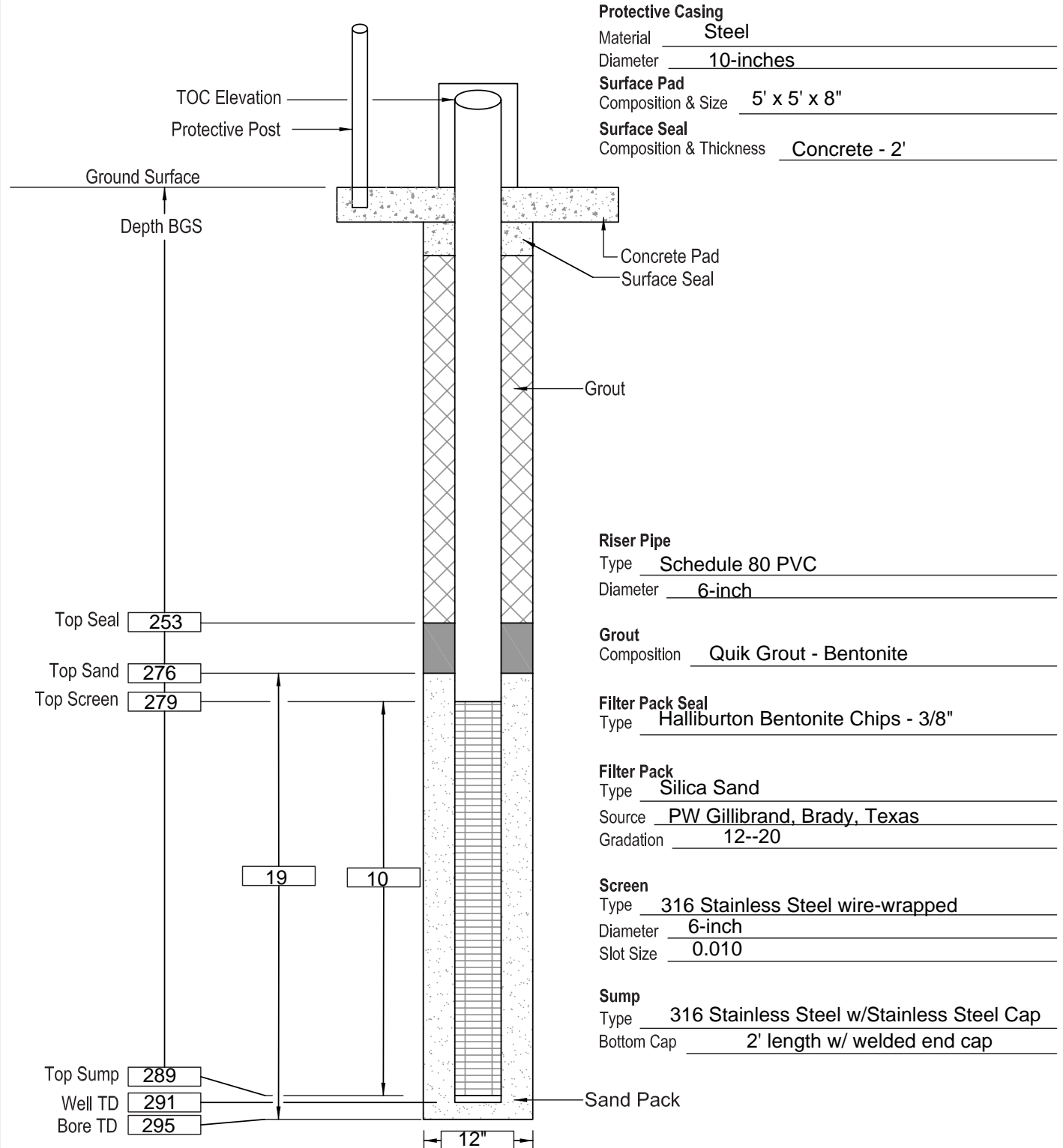


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749576.75 E650889.91  
 TOC Elevation: 3511.34  
 Surface Elevation: 3509.30

Well No: PTX06-REC419  
 Well Type: Extraction  
 Date Constructed: 08-05-2022  
 Observed By: R Hill

Sheet 1 of 1

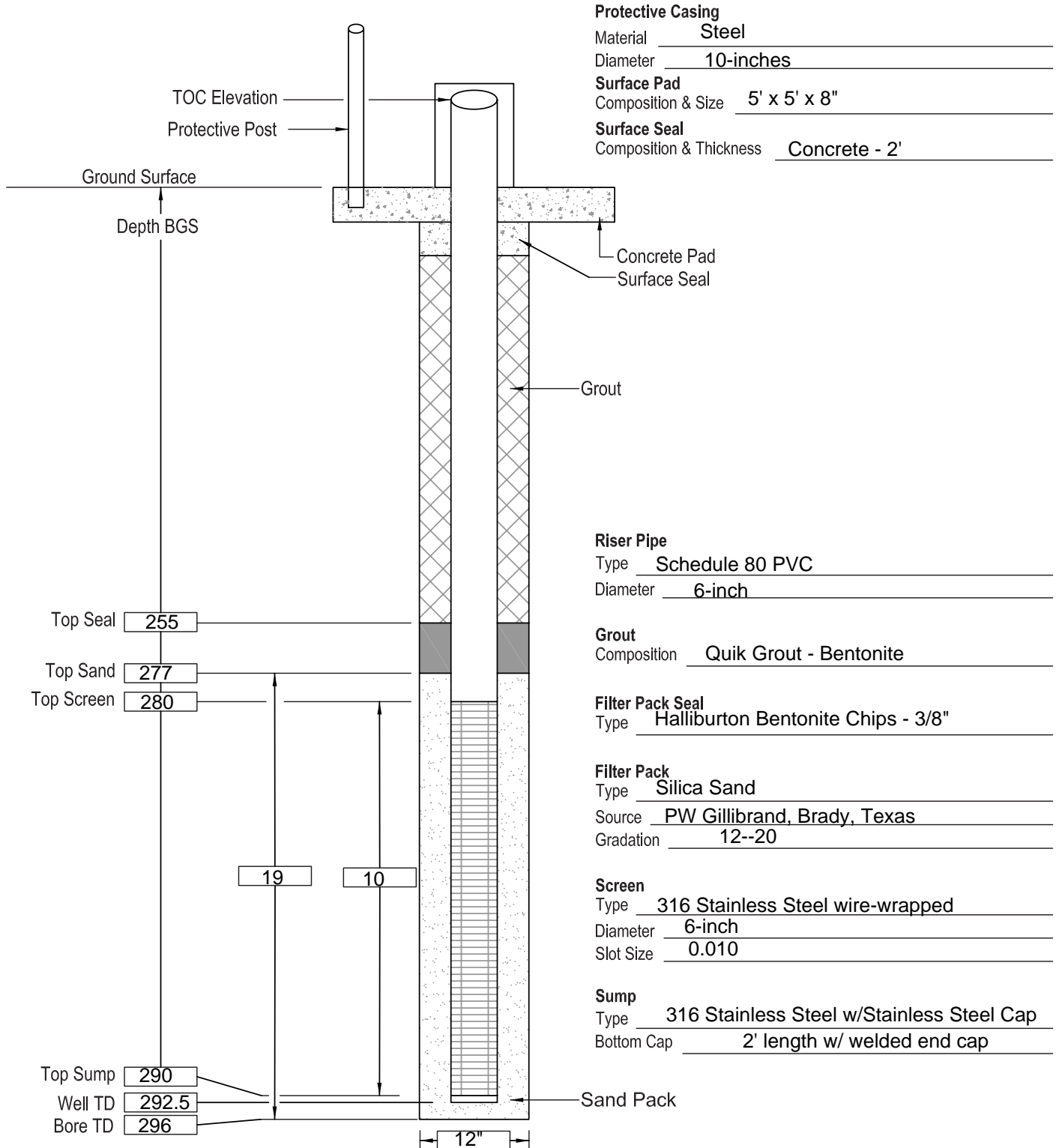


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749623.60 E650963.40  
 TOC Elevation: 3511.48  
 Surface Elevation: 3509.41

Well No: PTX06-REC420  
 Well Type: Extraction  
 Date Constructed: 08-10-2022  
 Observed By: R Hill

Sheet 1 of 1

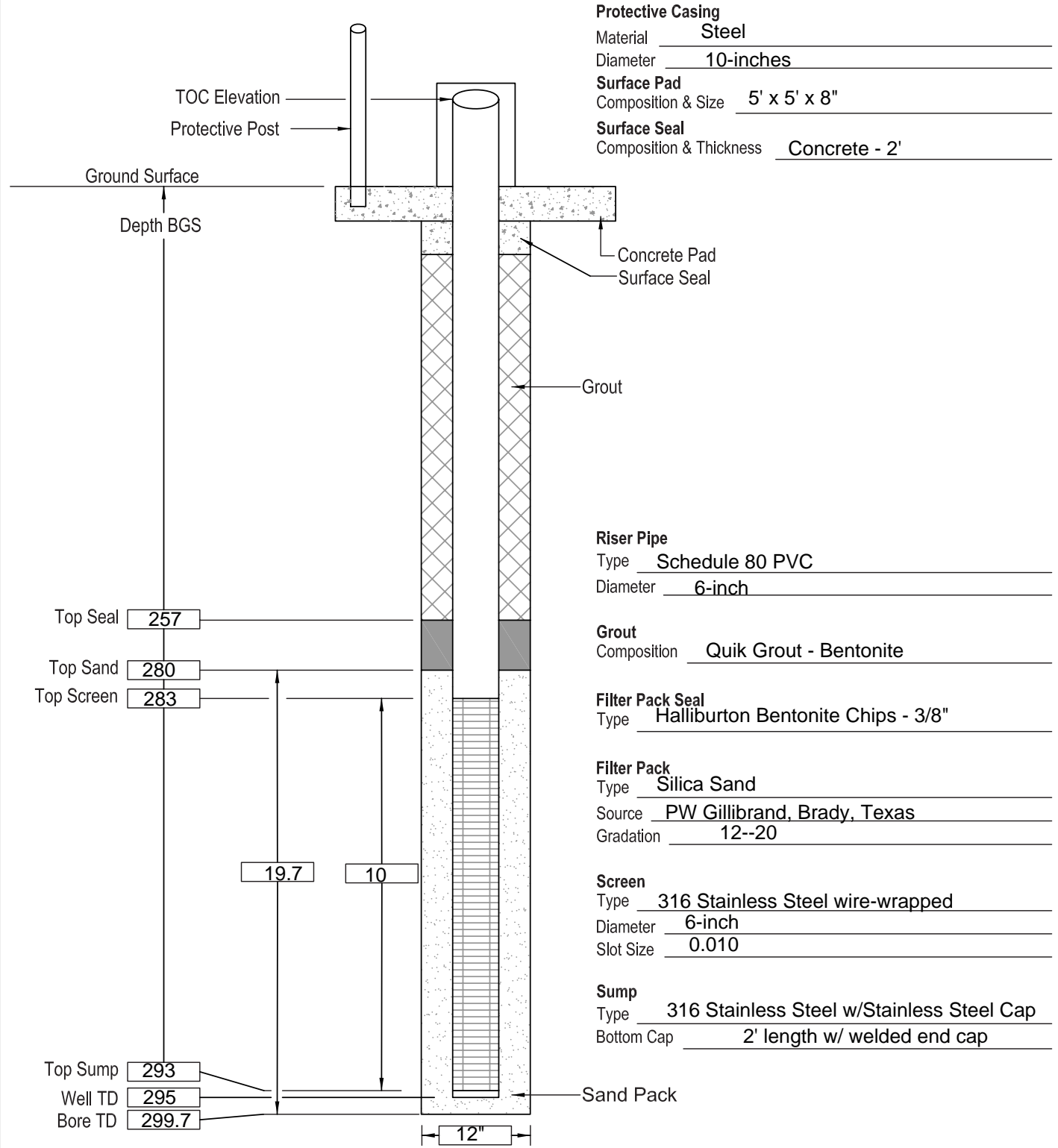


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749667.44 E651037.35  
 TOC Elevation: 3511.63  
 Surface Elevation: 3509.56

Well No: PTX06-REC421  
 Well Type: Extraction  
 Date Constructed: 08-08-2022  
 Observed By: R Hill

Sheet 1 of 1



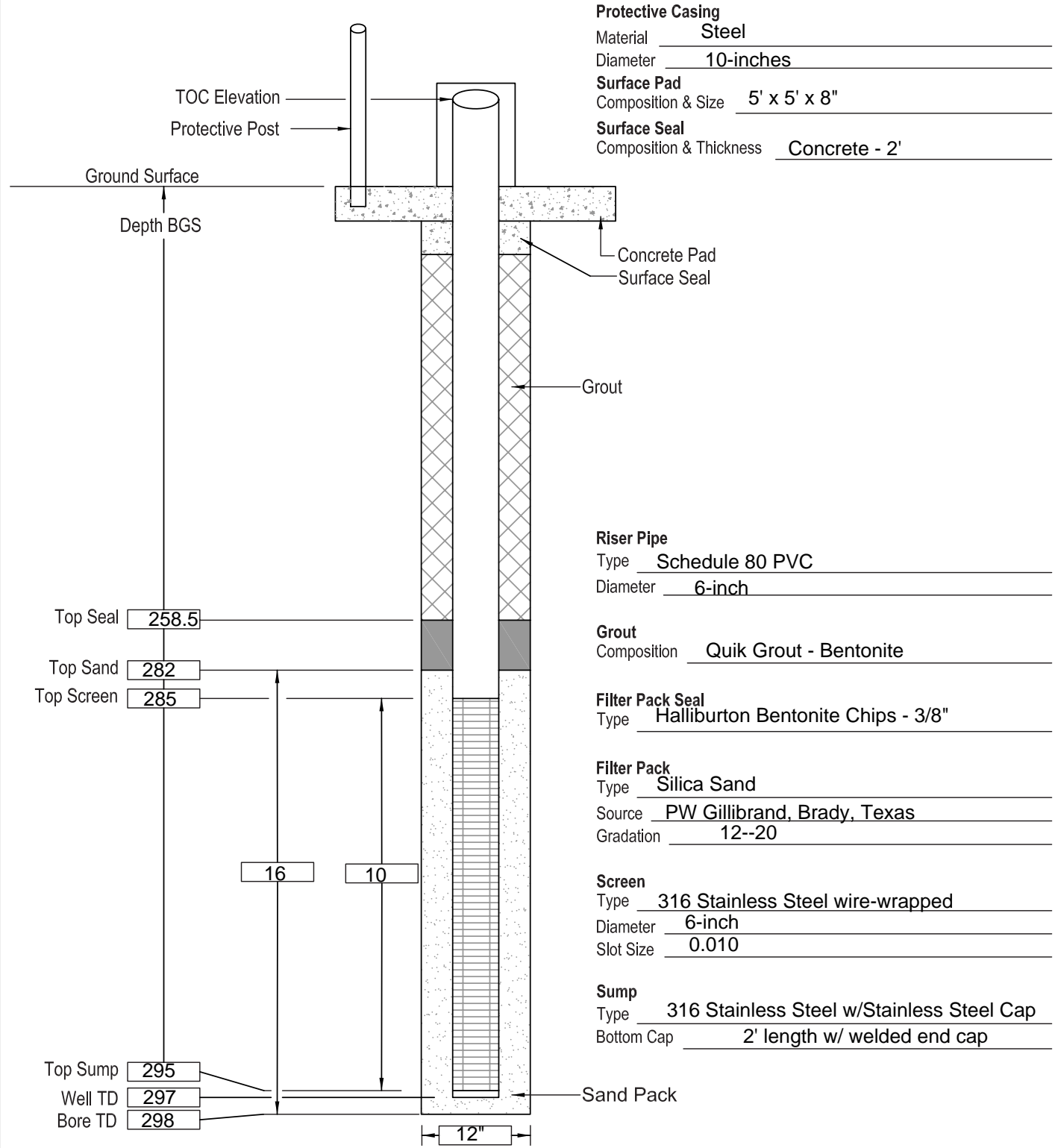


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749713.17 E651112.69  
 TOC Elevation: 3511.79  
 Surface Elevation: 3509.66

Well No: PTX06-REC422  
 Well Type: Extraction  
 Date Constructed: 08-02-2022  
 Observed By: R Hill

Sheet 1 of 1

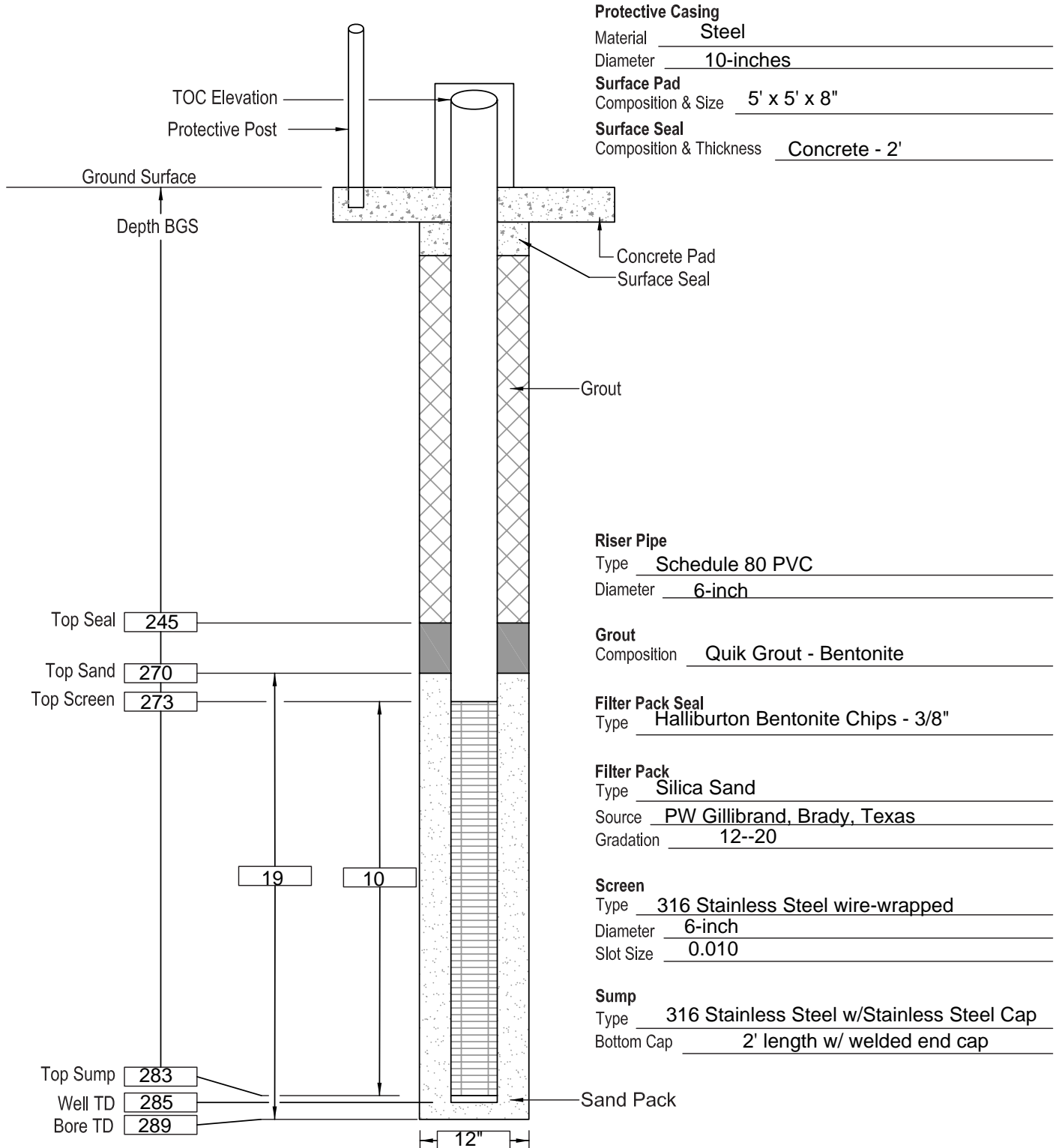


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750051.20 E649972.75  
 TOC Elevation: 3512.14  
 Surface Elevation: 3510.08

Well No: PTX06-REC433  
 Well Type: Extraction  
 Date Constructed: 06-18 & -19-2022  
 Observed By: J Ford

Sheet 1 of 1

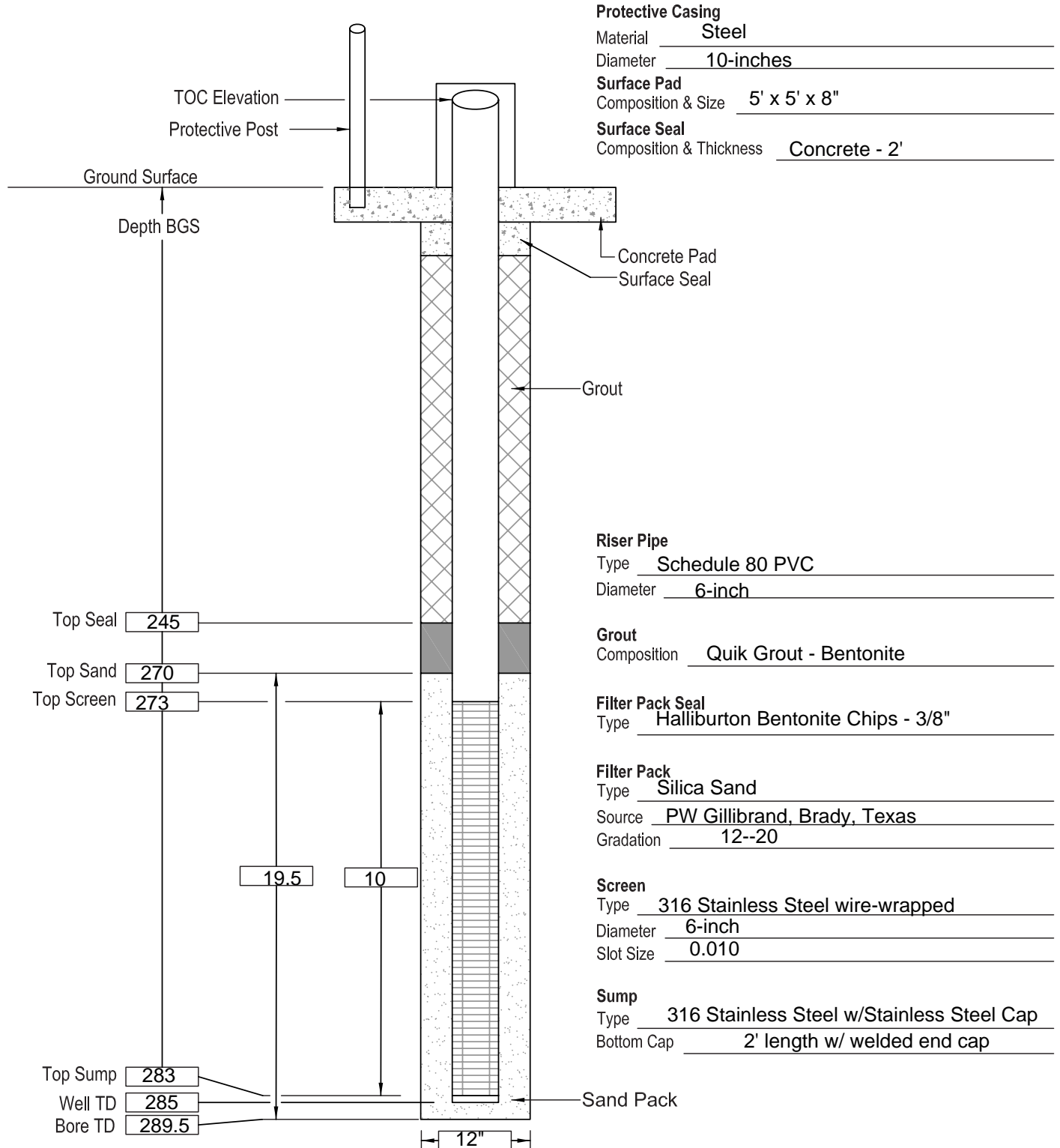


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750092.70 E650022.61  
 TOC Elevation: 3511.97  
 Surface Elevation: 3509.91

Well No: PTX06-REC434  
 Well Type: Extraction  
 Date Constructed: 06-21-2022  
 Observed By: R Hill

Sheet 1 of 1

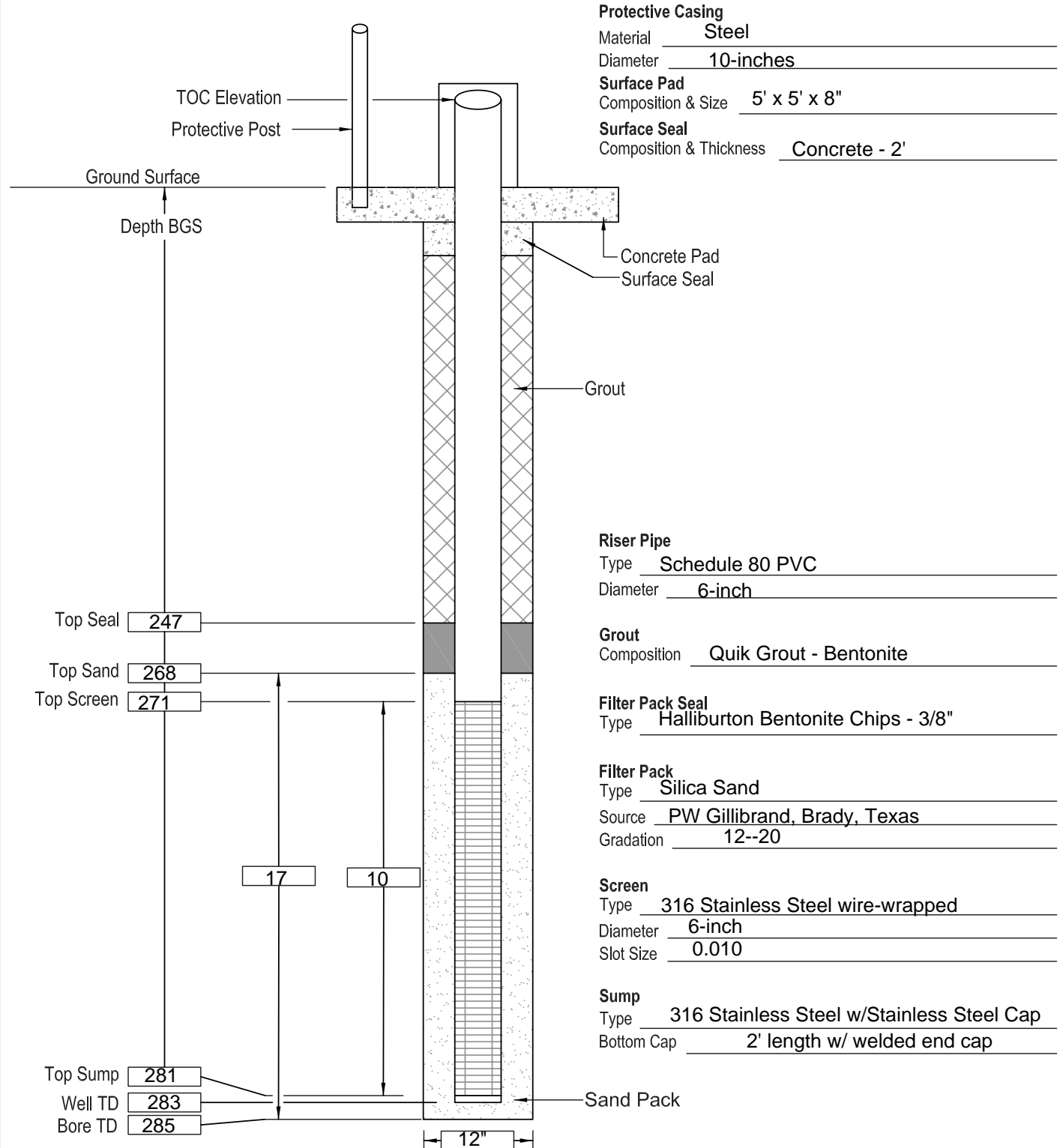


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750134.99 E650072.32  
 TOC Elevation: 3512.15  
 Surface Elevation: 3510.07

Well No: PTX06-REC435  
 Well Type: Extraction  
 Date Constructed: 07-11-2022  
 Observed By: R Hill

Sheet 1 of 1

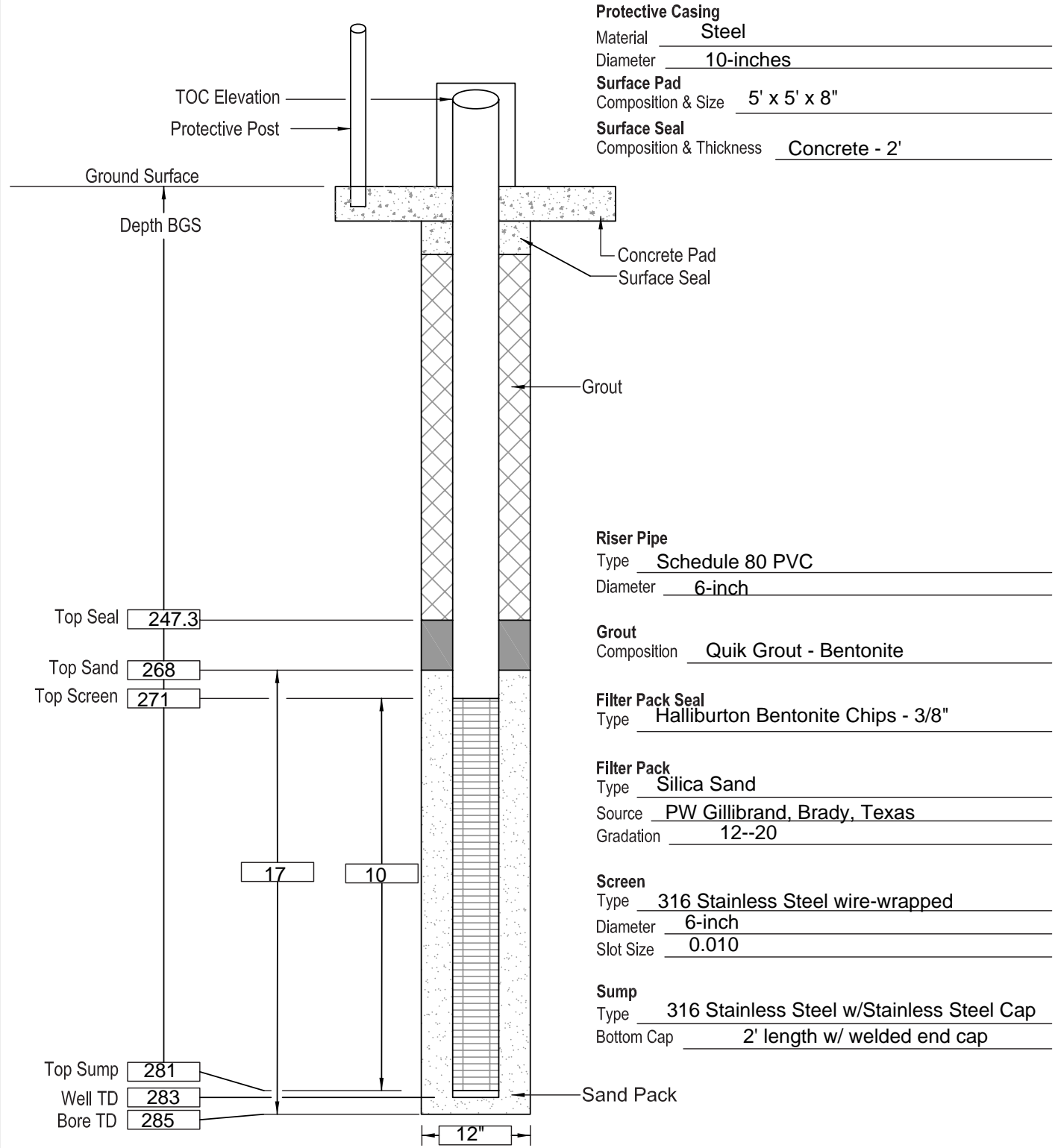


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750176.26 E650123.62  
 TOC Elevation: 3512.19  
 Surface Elevation: 3510.11

Well No: PTX06-REC436  
 Well Type: Extraction  
 Date Constructed: 07-20-2022  
 Observed By: J Ford

Sheet 1 of 1

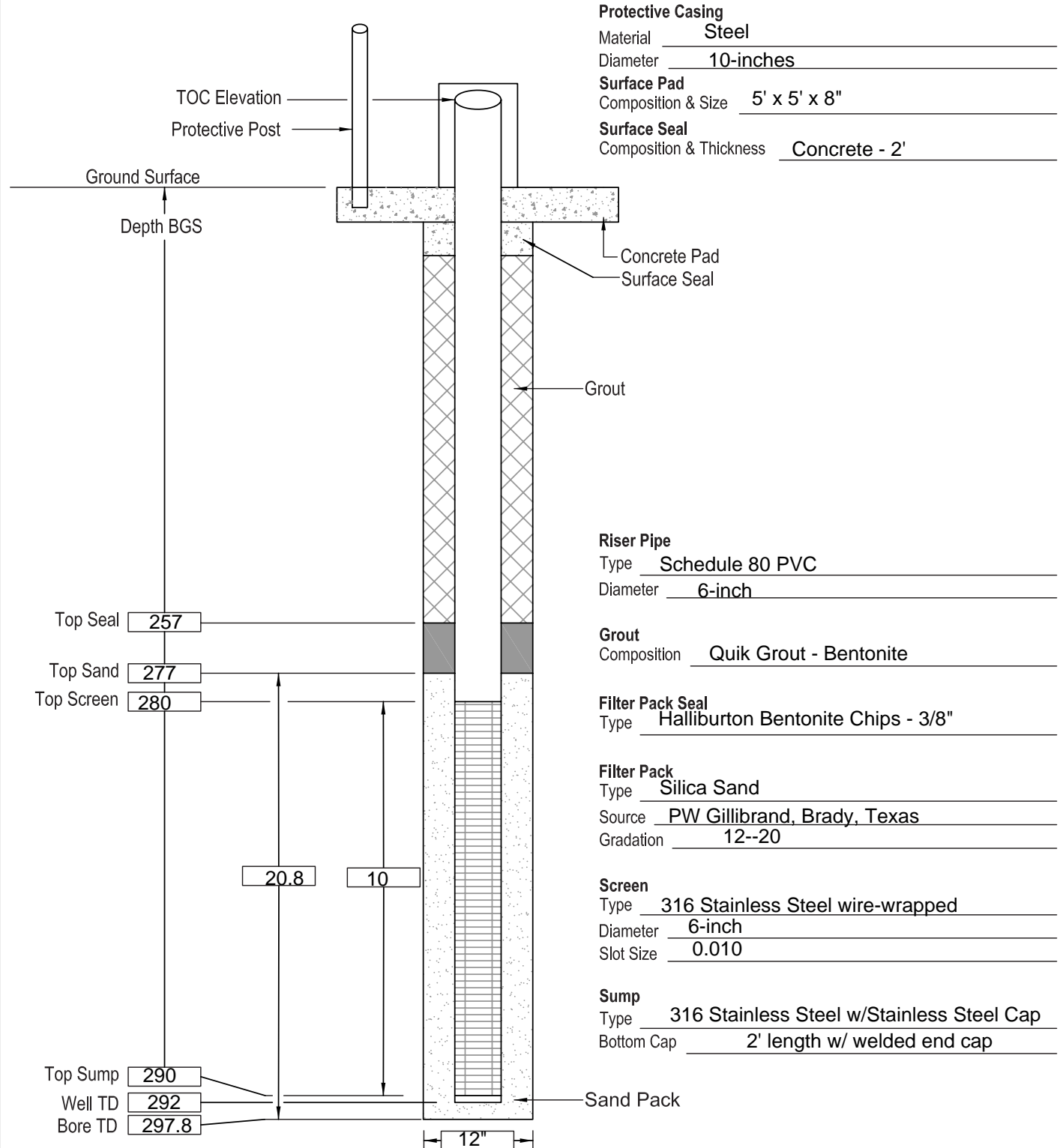


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3749938.28 E649237.73  
 TOC Elevation: 3512.42  
 Surface Elevation: 3510.34

Well No: PTX06-REC442  
 Well Type: Extraction  
 Date Constructed: 05-09-2022  
 Observed By: R Hill

Sheet 1 of 1

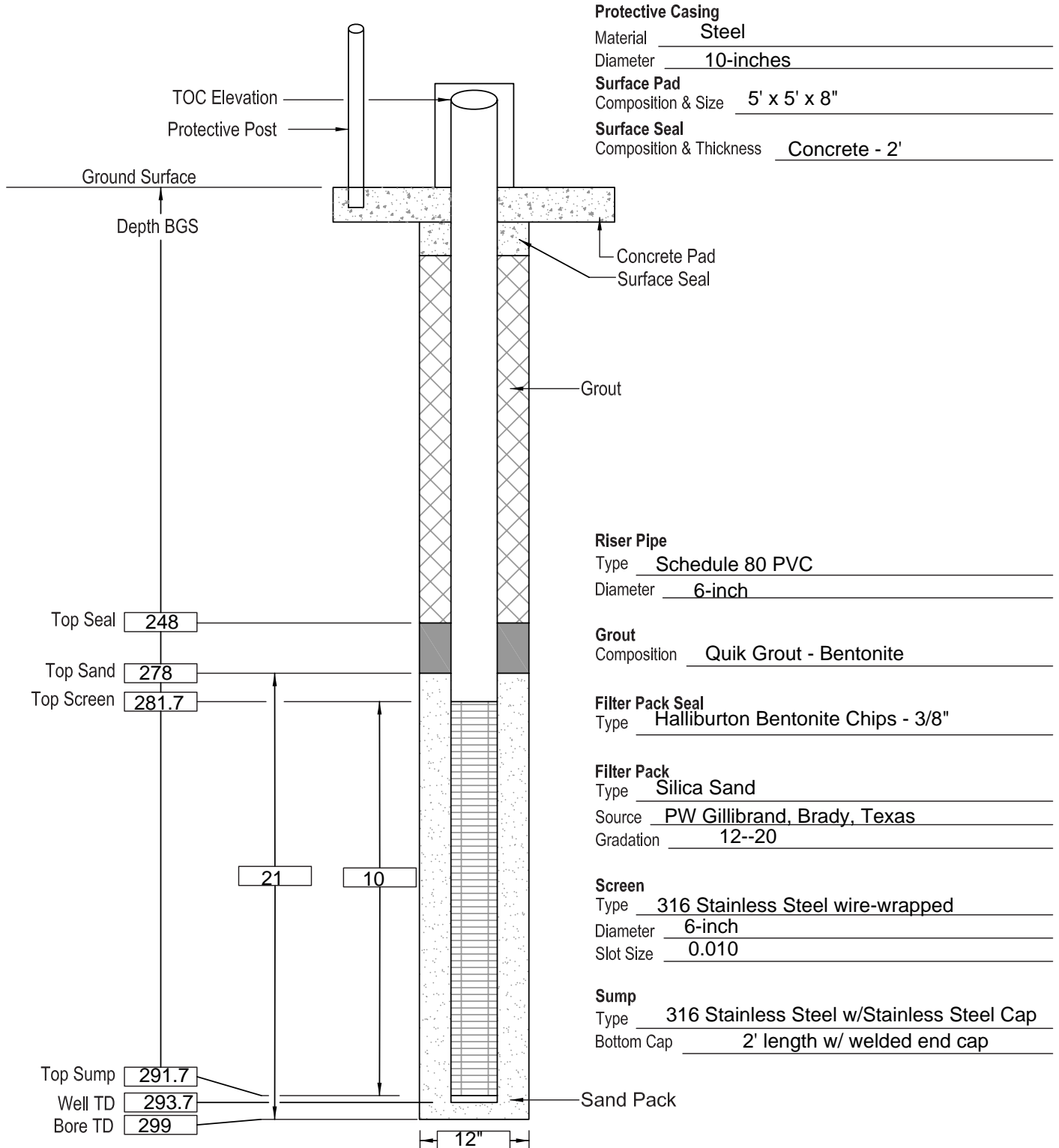


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750009.54 E649302.46  
 TOC Elevation: 3512.53  
 Surface Elevation: 3510.42

Well No: PTX06-REC443  
 Well Type: Extraction  
 Date Constructed: 05-18-2022  
 Observed By: J Ford

Sheet 1 of 1

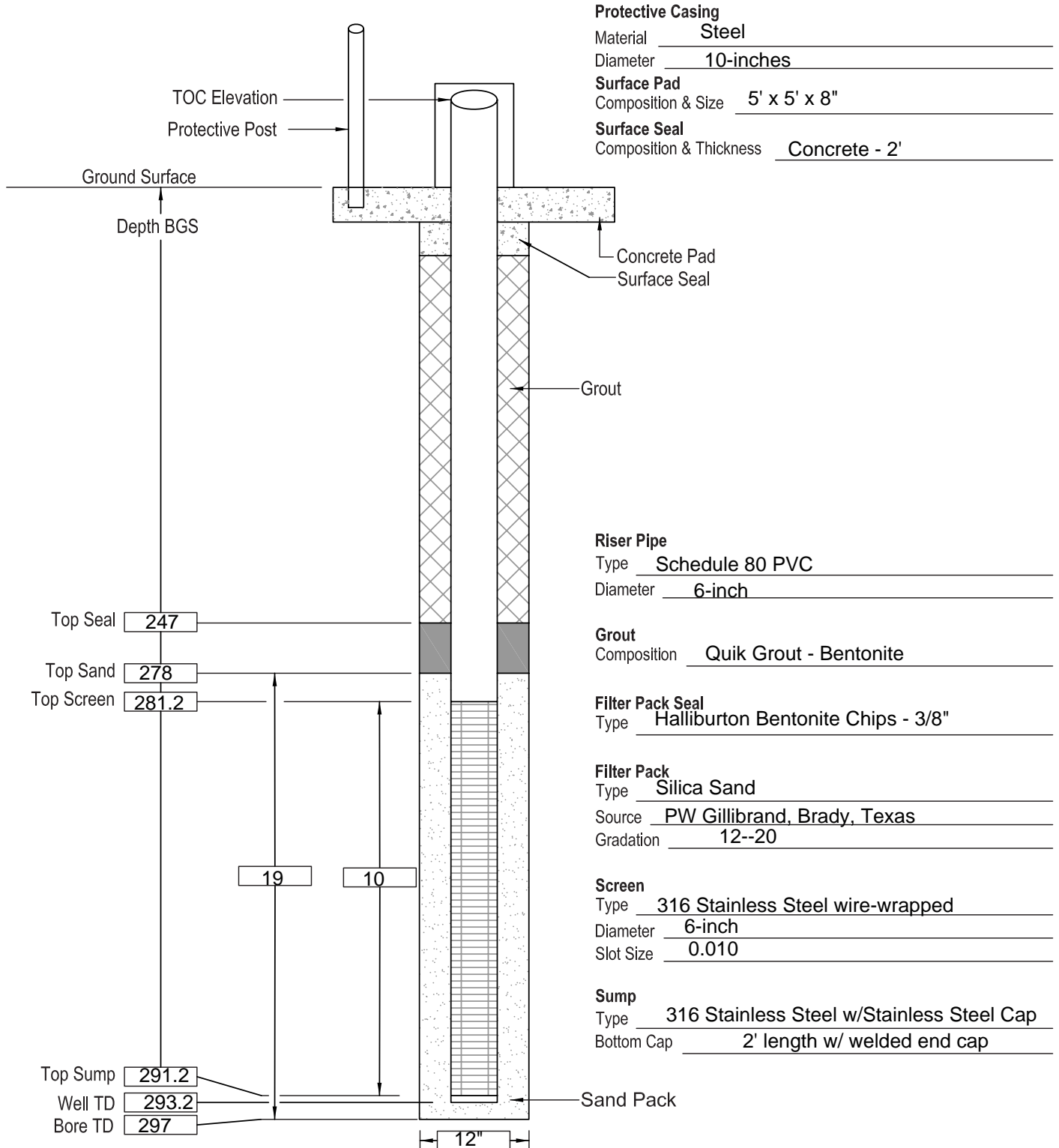


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750079.82 E649367.39  
 TOC Elevation: 3512.22  
 Surface Elevation: 3510.14

Well No: PTX06-REC444  
 Well Type: Extraction  
 Date Constructed: 05-21 & -22-2022  
 Observed By: J Ford

Sheet 1 of 1



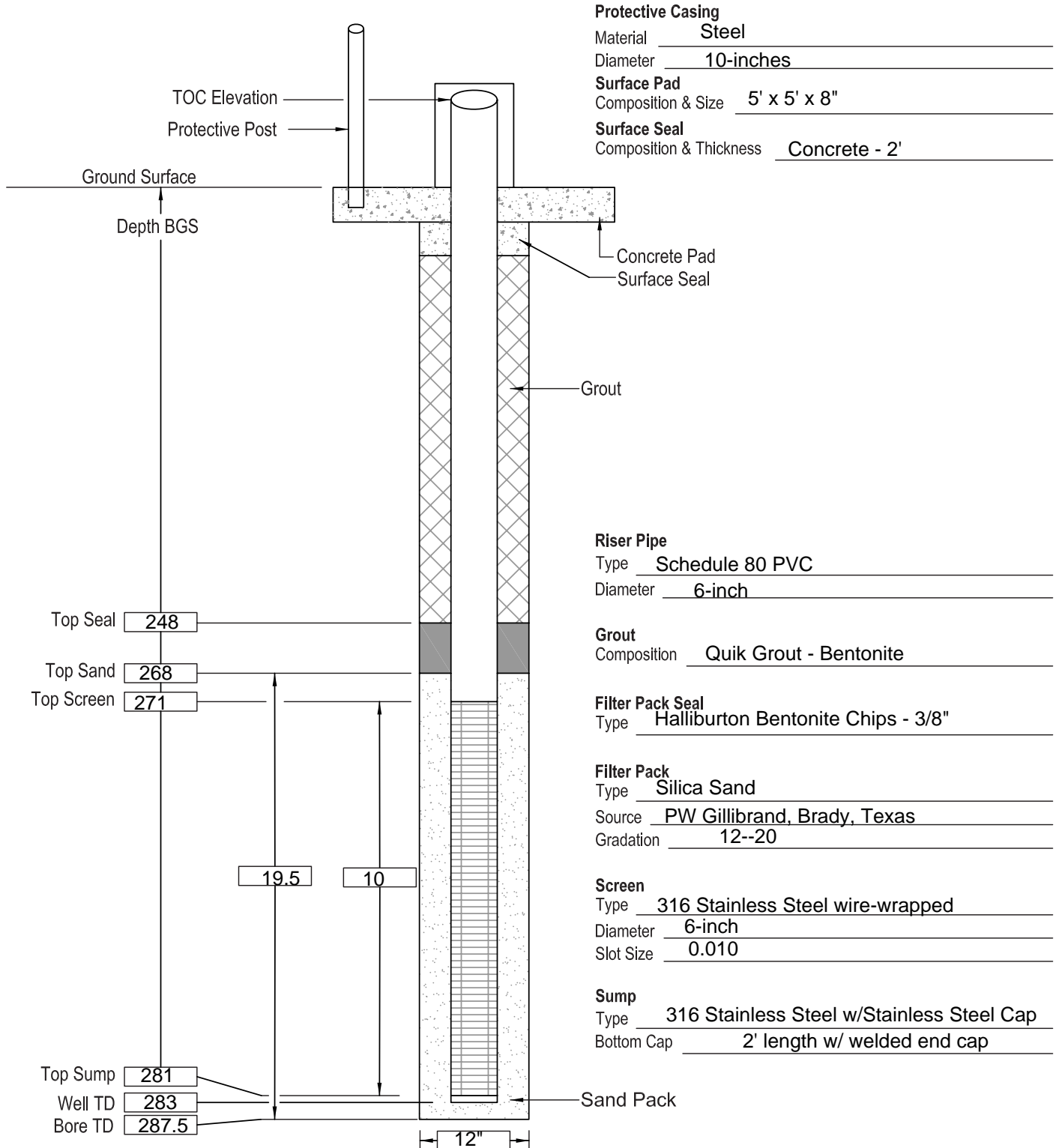


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750148.34 E649432.37  
 TOC Elevation: 3512.67  
 Surface Elevation: 3510.57

Well No: PTX06-REC445  
 Well Type: Extraction  
 Date Constructed: 06-01-2022  
 Observed By: R Hill

Sheet 1 of 1

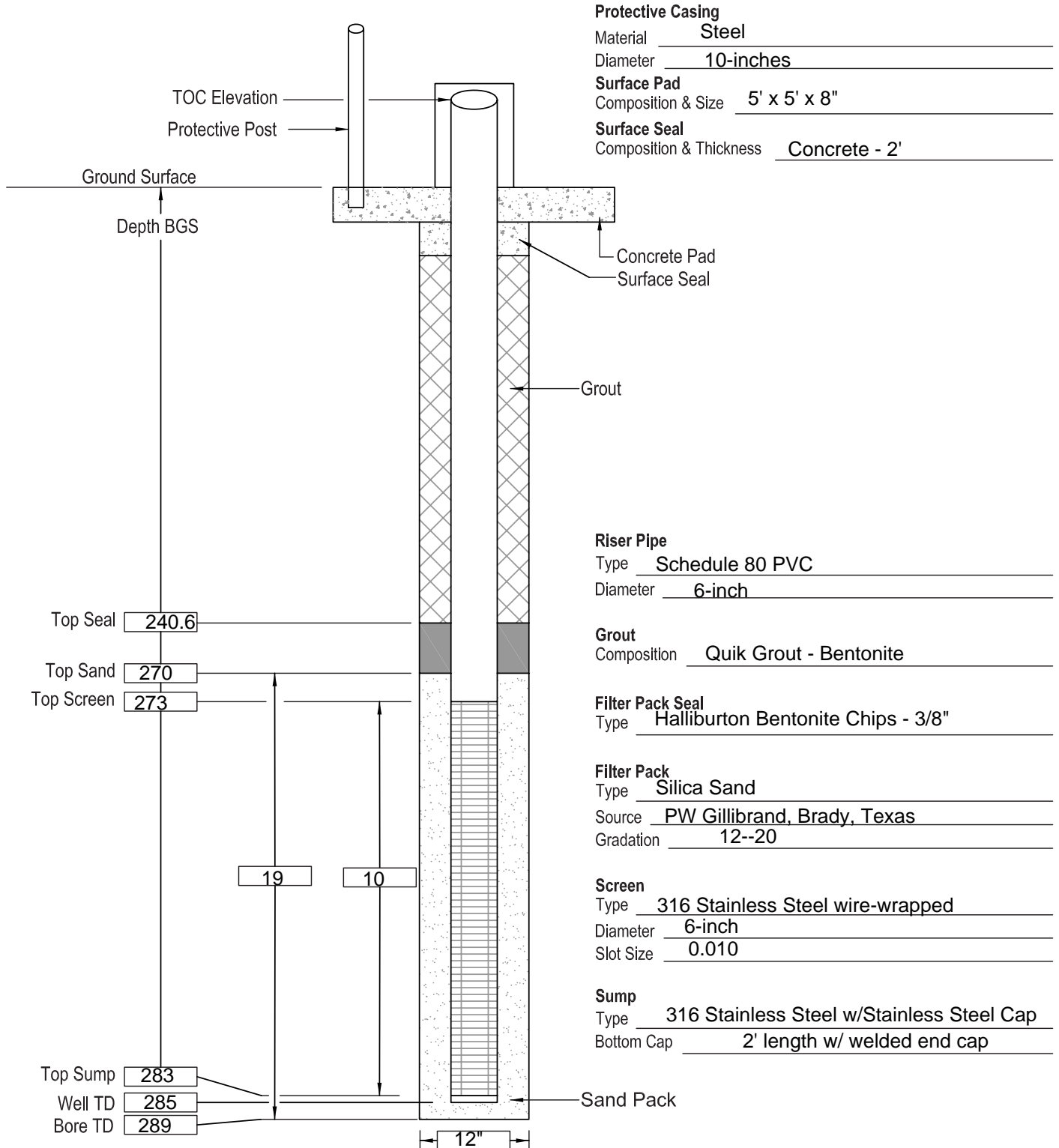


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750217.21 E649496.71  
 TOC Elevation: 3512.85  
 Surface Elevation: 3510.69

Well No: PTX06-REC446  
 Well Type: Extraction  
 Date Constructed: 06-05-2022  
 Observed By: R Hill

Sheet 1 of 1

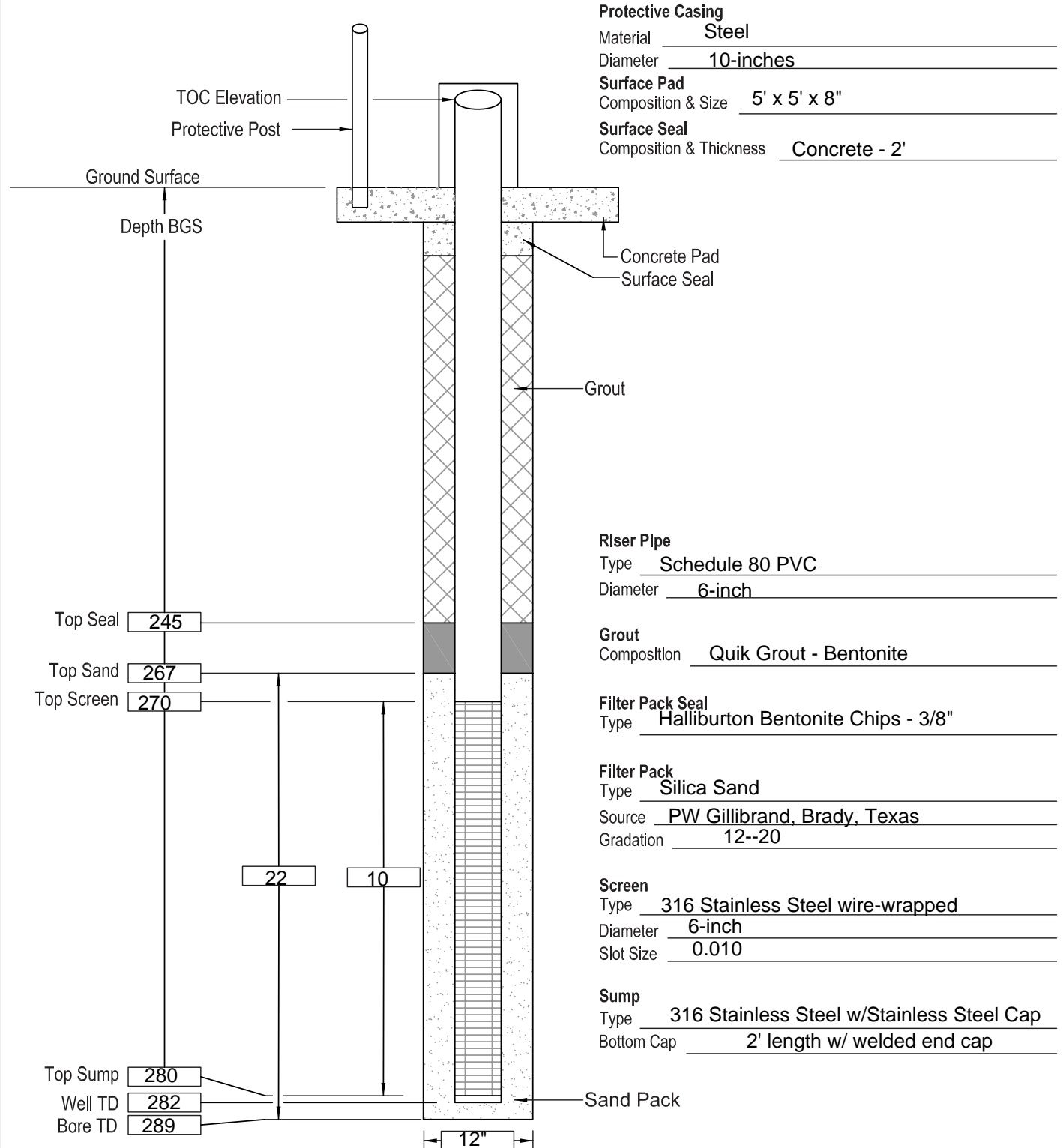


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750280.47 E649549.37  
 TOC Elevation: 3513.42  
 Surface Elevation: 3511.28

Well No: PTX06-REC447  
 Well Type: Extraction  
 Date Constructed: 06-07-2022  
 Observed By: R Hill

Sheet 1 of 1

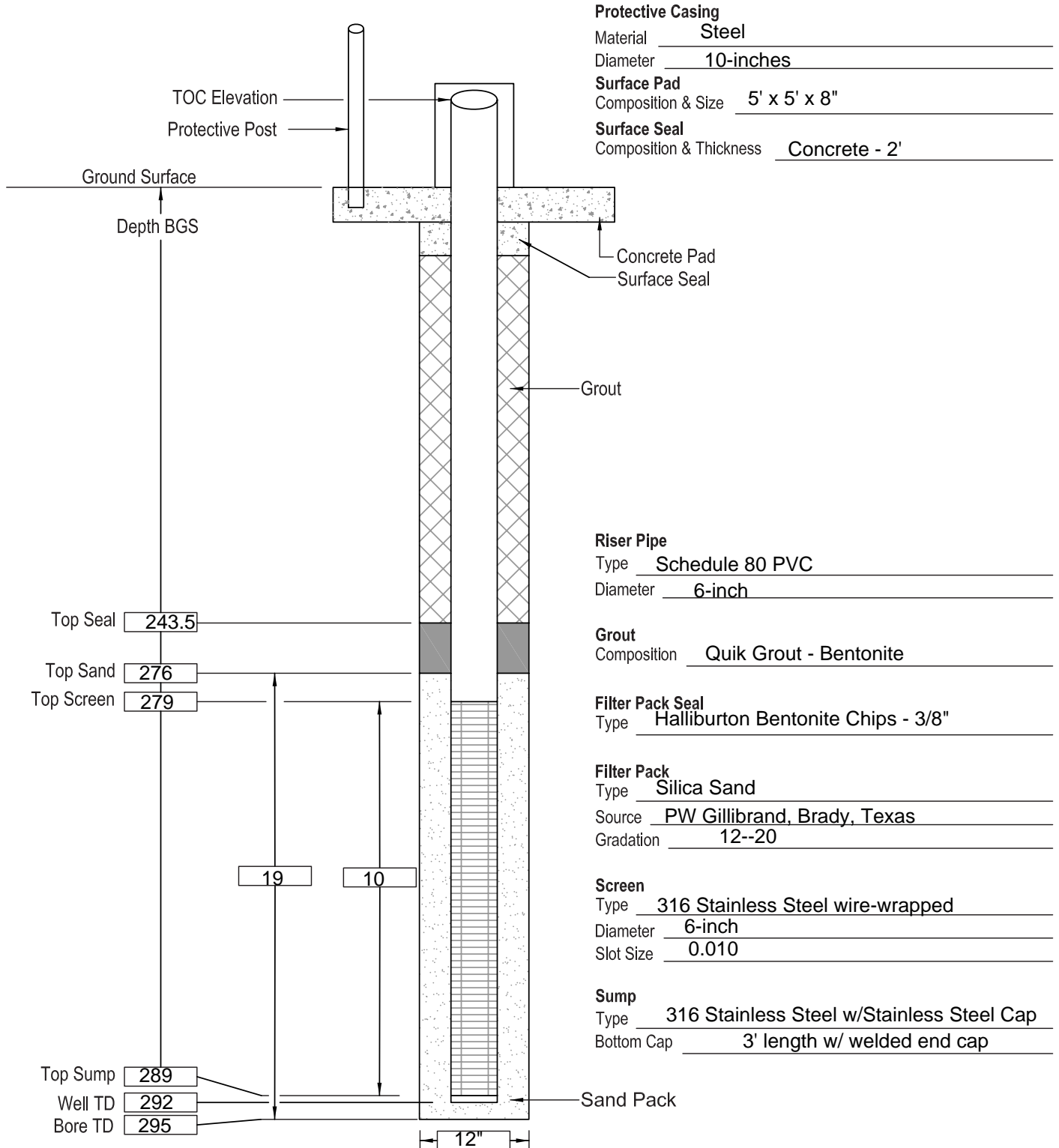


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Offsite East of Plant  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3758144.97 E645402.44  
 TOC Elevation: 3536.91  
 Surface Elevation: 3534.82

Well No: PTX06-MEW001A  
 Well Type: Extraction  
 Date Constructed: 08-31-2022  
 Observed By: J Ford

Sheet 1 of 1

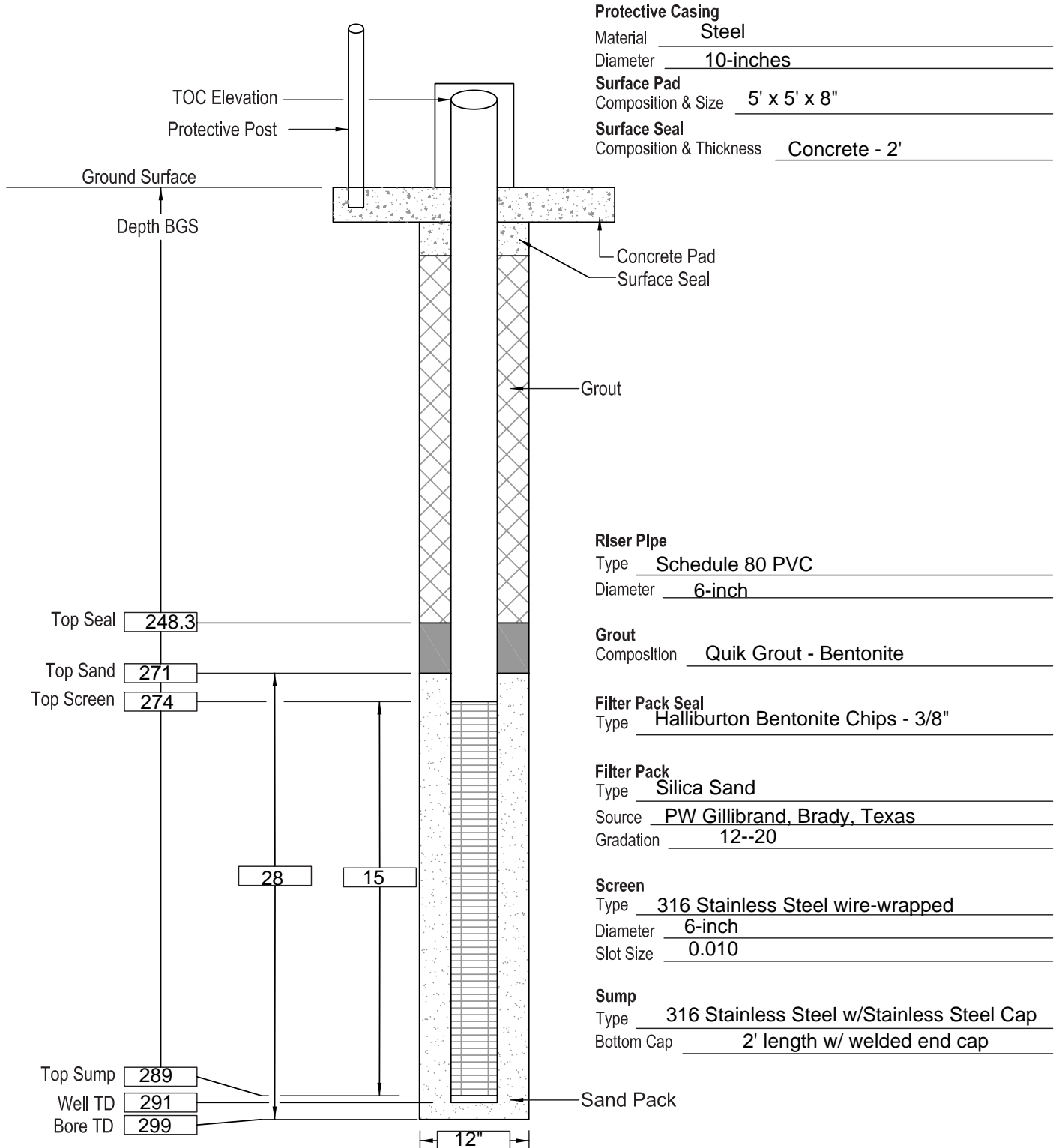


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Offsite East of Plant  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3757732.13 E645791.43  
 TOC Elevation: 3536.08  
 Surface Elevation: 3533.97

Well No: PTX06-MEW002  
 Well Type: Extraction  
 Date Constructed: 08-24 + -25-2022  
 Observed By: J Ford

Sheet 1 of 1

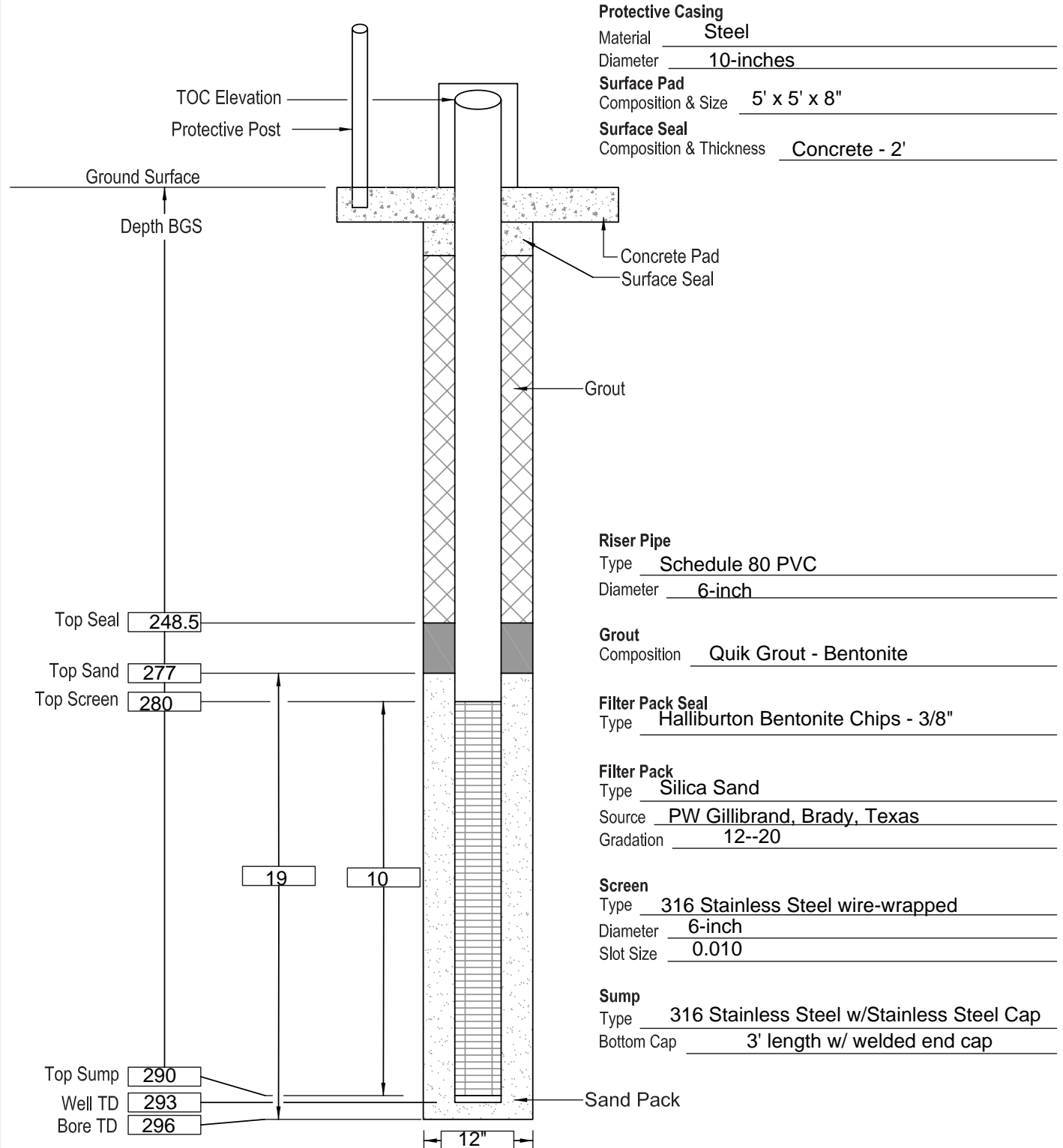


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Offsite East of Plant  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3757351.47 E645698.75  
 TOC Elevation: 3535.58  
 Surface Elevation: 3533.50

Well No: PTX06-MEW003  
 Well Type: Extraction  
 Date Constructed: 08-27 + -28-2022  
 Observed By: J Ford

Sheet 1 of 1

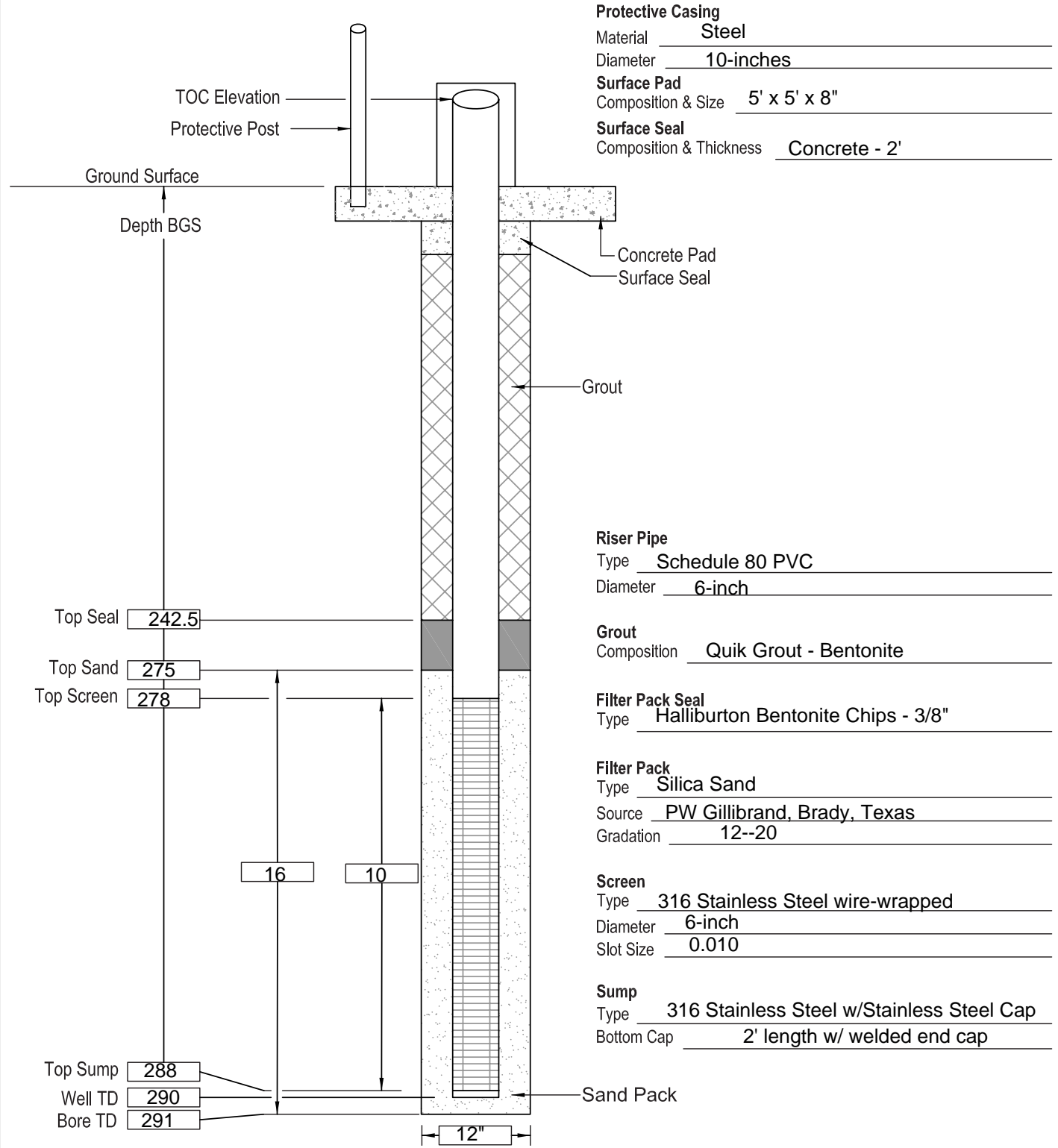


# Well Installation Diagram

Project: BOA 103 - Rel. 5  
 Location: Gehm Farm  
 Contractor: ARS Aleut Remediation  
 Driller: Cascade  
 Well Coordinates: N3750413.88 E651511.84  
 TOC Elevation: 3513.48  
 Surface Elevation: 3511.36

Well No: PTX06-MINJ401  
 Well Type: Injection  
 Date Constructed: 09-12-2022  
 Observed By: J Ford

Sheet 1 of 1



**Appendix H**

**Implementation and Maintenance  
Reports for Remedial Actions**



## List of Reports

*Well Field Maintenance Report – Off Site ISB South System 2022 In-Situ Bioremediation Operations and Maintenance.* Trihydro Corporation. November 29, 2022.

*Post-Injection Report – Offsite ISB System March – August 2022 In-Situ Bioremediation Operations and Maintenance.* Trihydro Corporation. December 5, 2022.

*Well Field Maintenance Report – Off Site ISB System 2022 Fall In-Situ Bioremediation Operations and Maintenance.* Trihydro Corporation. March 28, 2023.

*Post-Injection Report – Offsite ISB System September – November 2022 In-Situ Bioremediation Operations and Maintenance.* Trihydro Corporation. March 9, 2023.

*Well Field Maintenance Report – Southeast Extension ISB System May To August 2022 In-Situ Bioremediation Operations and Maintenance.* Trihydro Corporation. November 29, 2022.

*Post-Injection Report – Southeast ISB Extension System August to September 2022 In-Situ Bioremediation Operations And Maintenance.* Trihydro Corporation. March 9, 2023.

*Well Field Maintenance Report – Southeast ISB System 2021 In-Situ Bioremediation Operations And Maintenance.* Trihydro Corporation. April 1, 2022.

*Post-Injection Report – Southeast ISB System March to May 2022 In-Situ Bioremediation Operations and Maintenance.* Trihydro Corporation. March 9, 2023.

*Well Field Maintenance Report - Zone 11 ISB System In-Situ Bioremediation Operations and Maintenance.* Trihydro Corporation. November 29, 2022.

*Post-Injection Report – Z11 ISB System Post Injection Report – Z11 ISB System May to September 2022.* Trihydro Corporation. April 17, 2023.

*Implementation Report Perched Aquifer Remedial Actions, Pantex Plant – Offsite Areas. April – September 2022.* ARS Aleut Remediation, LLC. December 28, 2022.

Reports available by request. Email [ERProgramAdminRecord@pxy12.doe.gov](mailto:ERProgramAdminRecord@pxy12.doe.gov) for information.