

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
SWMU 124	Bldg 11-50 Waste water Treatment System	Admin Closure	2001	N	N	N	N
SWMU 125	Bldg 12-43 HE Contaminated Charcoal Boxes	Admin Closure	2001	N	N	N	N
SWMU 126	Miscellaneous HE Contaminated Waste Dumpsters	Admin Closure	2001	N	N	N	N

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SWMU 127	Miscellaneous Non-hazardous Waste Dumpsters	Admin Closure	2001	N	N	N	N
SWMU 128	Portable HE Waste water Tanks	Admin Closure	2001	N	N	N	N
SWMU 129a	HE Contaminated Sludge Containers, Bldg 11-44	Admin Closure	2001	N	N	N	N
SWMU 129b	HE Contaminated Sludge Containers Bldg 12-43	Admin Closure	2001	N	N	N	N
SWMU 131	Portable Waste Oil Storage Tanks (Bldg 12-35)	Admin Closure	2001	N	N	N	N
SWMU 132	Vacuum Guzzlers	Admin Closure	2001	N	N	N	N
SWMU 134	Bldg 11-29 Silver Recovery	Admin Closure	2001	N	N	N	N
SWMU 137	Bldg 12-41, Paint Shop Waste water Tank	Admin Closure	2003	N	N	N	N
SWMU 138	Zone 12 Paint Shop Sandblaster Collection Cone	Admin Closure	2001	N	N	N	N
SWMU 141	Classified Waste Incinerator	Admin Closure	2001	N	N	N	N
SWMU 142	Miscellaneous Hood and Filter Systems, 24 Bldgs	Admin Closure	2001	N	N	N	N
SWMU 59	Landfill East of Pad 11-13 (Duplicate of SVS 5)	Admin Closure	2003	N	N	N	N
SWMU 62	Landfill 11	Admin Closure	2004	N	N	N	N
SWMU 65	Landfill 14 (Duplicate of SVS 6)	Admin Closure	2003	N	N	N	N
SWMU 76	Firing Site 18	Admin Closure	2001	N	N	N	N
SWMU 77	Firing Site 23, Filter/Exhaust System	Admin Closure	9/19/2001	N	N	N	N

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SWMU 83	Bldg 4-8, Container Storage Bldg, Asbestos Staging Area	Admin Closure	2001	N	N	N	N
SWMU 85	MOCA Waste Accumulation Area, Bldg 12-16	Admin Closure	2001	N	N	N	N
SWMU 88	11-41 Compressor Bldg Waste Accumulation	Admin Closure	2003	N	N	N	N
SWMU 89	Waste Accumulation Area, Bldg 12-2 North Hall	Admin Closure	2003	N	N	N	N
SWMU 90	Waste Accumulation Area, Bldg 12-9	Admin Closure	2003	N	N	N	N
SWMU 91	Waste Accumulation Area, Bldg 12-9 Solvent Storage Shed	Admin Closure	2003	N	N	N	N
SWMU 92	Waste Accumulation Area, Bldg 12-9 (outside)	Admin Closure	2003	N	N	N	N
SWMU 93	Waste Accumulation Area, Bldg 12-111 Paint Shop	Admin Closure	2003	N	N	N	N
SWMU 94	Waste Accumulation Area, Bldg 12-R-13 (outside)	Admin Closure	2003	N	N	N	N
SWMU 95	Waste Accumulation Area, Bldg 12-18 (outside)	Admin Closure	2003	N	N	N	N
SWMU 96	Waste Accumulation Area, Bldg 12-21	Admin Closure	2001	N	N	N	N
SWMU 98	Bldg 12-38 Solvent Storage	Admin Closure	2003	N	N	N	N
SWMU 99	Waste Accumulation Area, Bldg 12-41	Admin Closure	2003	N	N	N	N
Unassigned	Unlined Landfill/Landfill 10 North of Firing Site 1	Admin Closure	2004	N	N	N	N
Permitted Unit 53	Igloo 4-72 Storage	Active		N	N	N	N
SVS 4	Old Pistol Range	Active		N	N	N	N
SWMU 28	Active Burn Tray	Active		NA	N	N	N
SWMU 29	Active Burn Tray	Active		NA	N	N	N

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SWMU 30	Active Burn Tray	Active		NA	N	N	N
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
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

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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
SWMU 117	High Explosives Settling Tank	3		D&D / Excavation	Y	Y	N
SWMU 118	Equalization Basin	3		D&D / Excavation	Y	Y	N
SWMU 119a	High Explosives Filters	3		D&D	Y	Y	N
SWMU 119b	High Explosives Filters	3		D&D	Y	Y	N
SWMU 12	Drainage Ditch Near Former 11-14 Pond	3		Excavation	Y	Y	N
SWMU 120a	Carbon Filters	3		D&D	Y	Y	N
SWMU 120b	Carbon Filters	3		D&D	Y	Y	N
SWMU 121	High Explosives Settling Tank	3		D&D / Excavation	Y	Y	N
SWMU 122a	Equalization Basin	3		D&D / Excavation	Y	Y	N
SWMU 122b	Bldg 12-24N & Bldg 12-43 Upland Soil	3		Excavation / In Situ Treatment	Y	Y	N
SWMU 123	Concrete Sump & Waste water Treatment Unit	3		D&D	Y	Y	N
SWMU 13	Former Solar Evaporation Pond (Bldg 11- 51)	3		N	Y	Y	N
SWMU 135	Leaching Bed (Bldg 12-44E)	3		N	Y	Y	N
SWMU 136	Subsurface Leaching Bed (Bldg 12-59)	3		D&D	Y	Y	N

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SWMU 14*	Explosive Burn Pad 1 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 143a	Former Waste Drum Storage Areas (Bldg 10-9)	3		N	Y	Y	N
SWMU 143b	Former Waste Drum Storage Areas (Bldg 10-7)	3		N	Y	Y	N
SWMU 144	Zone 10 TNT Settling Pit (Bldg 10-13)	3		Excavation	Y	Y	N
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
SWMU 23*	Explosive Burn Pad 9 (including ash disposal trench)	3		Soil Cover	Y	Y	Y

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SWMU 24*	Explosive Burn Pad 10 (including ash disposal trench)	3		Soil Cover	Y	Y	Y
SWMU 25*	Explosive Burn Pad 11 (Including Wash Rack)	3		Soil Cover	Y	Y	N
SWMU 26*	Explosive Burn Pad 12	3		Soil Cover	Y	Y	N
SWMU 27*	Explosive Burn Pad 13	3		Excavation	Y	Y	N
SWMU 3	Drainage Ditch (Bldg 11-44)	3		Excavation	Y	Y	N
SWMU 37	Burning Ground Landfill 1	3		Engineered Cover	Y	Y	Y
SWMU 38	Burning Ground Landfill 2	3		Engineered Cover	Y	Y	Y
SWMU 39	Burning Ground Landfill 3	3		Engineered Cover	Y	Y	Y
SWMU 4	Drainage Ditch (Bldg 11-50)	3		N	Y	Y	N
SWMU 40	Burning Ground Landfill 4	3		Engineered Cover	Y	Y	Y
SWMU 41	Burning Ground Landfill 5	3		Engineered Cover	Y	Y	Y
SWMU 42	Burning Ground Landfill 6	3		Engineered Cover	Y	Y	Y
SWMU 43	Burning Ground Landfill 7	3		Engineered Cover	Y	Y	Y
SWMU 44	Burning Ground Landfill 8	3		Engineered Cover	Y	Y	Y
SWMU 45	Explosive Burn Cage	3		D&D / Excavation	Y	Y	N
SWMU 46	Explosive Burn Cage	3		D&D	Y	Y	N
SWMU 47	Chemical Burn / Evaporation Pits	3		SVE System	Y	Y	N
SWMU 48	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N
SWMU 49	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N
SWMU 50	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N
SWMU 5-01a	Drainage Ditch(es) (Bldg 12-5)	3		Excavation	Y	Y	N
SWMU 5-01b	Drainage Ditch(es) (Bldg 12-5B)	3		Excavation	Y	Y	N
SWMU 5-02a	Drainage Ditch (Bldg 12-51)	3		N	Y	Y	N
SWMU 5-02b	Drainage Ditch (Bldg 12-67)	3		Excavation	Y	Y	N
SWMU 5-02c	Drainage Ditch (Bldg 12-110)	3		N	Y	Y	N
SWMU 5-04a	Bldg 12-19 Drainage Ditches	3		Excavation	Y	Y	N
SWMU 5-04b	Bldg 12-73 Drainage Ditches	3		Excavation	Y	Y	N
SWMU 5-05	Drainage Ditch (Bldgs 12-21 & 12-24)	3		Ditch Lining	Y	Y	Y
SWMU 5-06a	Drainage Ditch (Bldg 12-44E)	3		Excavation	Y	Y	N
SWMU 5-06b	Drainage Ditch (Bldg 12-81)	3		Excavation	Y	Y	N

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SWMU 5-07	Bldg 12-41 Drainage Ditch	3		Excavation	Y	Y	N
SWMU 5-08	Drainage Ditch (Bldg 11-36)	3		Excavation	Y	Y	N
SWMU 5-09a	Drainage Ditch (Bldg 11-17)	3		N	Y	Y	N
SWMU 5-09b	Drainage Ditch (Bldg 11-20)	3		N	Y	Y	N
SWMU 51	Burning Ground Solvent Evap. Pans	3		D&D	Y	Y	N
SWMU 5-11	Main Perimeter Ditch	3		N	Y	Y	N
SWMU 5-12a	Main Perimeter Ditch	3		Excavation	Y	Y	N
SWMU 5-12b	Perimeter Drainage Ditch from Zone 12 to SWMU 5-15	3		N	Y	Y	N
SWMU 5-13a,b,c	Drainage Ditches to Playa 1	3		Excavation	Y	Y	N
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

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SWMU 7	Playa 2	3		N	Y	Y	N
SWMU 8	Playa 3	3		N	Y	Y	N
SWMU 82	Nuclear Weapon Accident Residue Storage	3		Excavation	Y	Y	N
SWMU 84	Scrap, Salvage, and Storage Yard (Bldg 10-9)	3		Excavation	Y	Y	N
SWMU 86	11-14 Solvent Storage Shed	3		N	Y	Y	N
SWMU 87	Bldg 11-20 Solvent Storage Shed	3		N	Y	Y	N
SWMU 9	Playa 4	3		N	Y	Y	N
Unassigned	Demonstration Facilities	3		Excavation	Y	Y	N
Unassigned	Former 11-15 Pond	3		N	Y	Y	N
Unassigned	Former Leaching Bed North of Bldg 11-50 and West of Bldg 11-36	3		Excavation	Y	Y	N
Unassigned	Concrete Sump (near Bldg 12-5B)	3		N	Y	Y	N
Unassigned AOC	Zone 10 Landfills West and Southwest of SWMU 84 Scrap and Salvage Yard	3		N	Y	Y	Y
Unassigned SWMU	Zone 10 Berms	3		N	Y	Y	N
Unassigned SWMU	Evaporation Pit East of Bay 3 (Bldg 11-20)	3		Excavation	Y	Y	N
Unassigned SWMU	Evaporation Pit South of Bay 11/West of Bay 6 (Bldg 11-20)	3		Backfill/Cover	Y	Y	N
Unassigned SWMU	SWMU Capacitor Bank Rupture	3		N	Y	Y	N
AOC 7b	Bldg 12-4 Sulfuric Acid Spill	2	2004	N	Y	N	N
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

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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 (Bldg 12-68)	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
SWMU 63	Landfill 12	2	2005	Administrative Soil Cover	Y	N	Y
SWMU 70	Firing Site 5	2	1999	D&D / Excavation, Fence	Y	N	Y
SWMU 71	Firing Site 6	2	2000	N	Y	N	N
SWMU 73	Firing Site 15	2	2000	N	Y	N	N
SWMU 97	Waste Accumulation Area, Bldg 12-34	2	1999	N	Y	N	N
Unassigned	Dumpster Area near FS-11	2	2005	N	Y	N	N
Unassigned AOC	Bldg 12-1 Laundry Sump	2	2004	Decontamination	Y	N	N
Unassigned SWMU	FS-22 Container Gun Barrel	2	1999	D&D	Y	N	N
Unassigned SWMU	11-14 Hypalon Pond and Waste water Line	2	1995	Backfill/Cover	Y	N	N
AOC 2	Main Electrical Substation (4-28)	1	1993	N	N	N	N
AOC 6a	Gasoline Leaks at Bldgs 12-35	1	1999	Tank Removal / Excavation	N	N	N
AOC 6b	Gasoline Leak at Bldg 16-1	1	1999	N	N	N	N
Permitted Unit 10	Container Storage Area (Conex WM7)	1	2001	N	N	N	N

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Permitted Unit 11	Container Storage Area (Conex WM8)	1	2001	N	N	N	N
Permitted Unit 36	Bldgs 11-9 Tank	1	1999	N	N	N	N
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
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

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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.

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. 2018 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 Chapter 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 ninth full year of operation. The system was shut down during ISB injection to ensure continued high flows at SEPTS and the ability to release water to Playa 1 within permit limits.

Table 1 presents a summary of well operation by month. This shows the number of days a well pumped all or part of the day.

Table 2 presents the downtime contributors. Pumping was primarily affected by reduced flows due to the irrigation system being unable to receive water. The system was shut down during ISB injection to ensure continued high flows at SEPTS and the ability to release water to Playa 1 within permit limits.

Table 1. Days Operated per Month for P1PTS Wells

Well	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	2018 Well % Operation
PTX06-EW-69	31	20	22	30	31	28	30	10	31	25	26	31	315	86%
PTX06-EW-70	31	20	22	30	31	28	30	10	31	25	26	31	315	86%
PTX06-EW-71	24	20	22	30	31	28	30	10	31	25	26	31	308	84%
PTX06-EW-72	31	2	0	9	0	0	0	0	0	0	0	0	42	12%
PTX06-EW-73	31	20	22	30	31	28	30	10	3	13	0	0	218	60%
PTX06-EW-74	31	20	22	28	31	28	30	10	31	25	26	31	313	86%
PTX06-EW-75	31	20	22	30	31	28	30	10	31	25	26	31	315	86%
PTX06-EW-78A	31	18	22	24	0	0	0	0	26	13	26	31	191	52%
PTX06-EW-79	31	20	22	30	31	28	30	10	31	25	26	31	315	86%
PTX06-EW-80	31	20	22	30	31	28	30	10	31	25	26	31	315	86%
PTX06-EW-81	24	20	22	30	31	25	30	10	28	25	26	31	302	83%

Table 2. P1PTS Well Downtime Contributors

Month	Operational Contributor	Well Contributions	# Wells Affected
January	Irrigation system	None	1
February	Irrigation system, Filter bank replacement, carbon exchange	None	1
March	Irrigation system, filter bank replacement	None	1
April	Irrigation system	None	1
May	Irrigation system	None	2
June	Irrigation System, carbon exchange	None	2
July	Irrigation System, carbon exchange	None	2
August	Irrigation system, SEPTS	None	11
September	Irrigation system	None	1
October	Irrigation system, WWTF	None	2
November	Irrigation system, carbon exchange	None	2
December	Irrigation system	None	2

LOTO= Lockout/Tagout

WWTF=Wastewater treatment facility

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.

Table 3 presents a summary of well operation time by month and the pumping priority for the well. Operation of the system was affected by restricted flow to the WWTF during the year and shut down of lines of wells that could be impacted by the trenching of lines for the new Administrative Site Complex (ASC) that was built south of Pantex Plant. Wells were shut down and lines evacuated to prevent a potential release while the construction company was excavating for new lines. Well operation time has also been impacted by various electrical and control problems, but the primary impact for the operation of many wells is due to the prioritization of pumping from the well field and reduced flows to the WWTF and Playa 1. As discussed in Chapter 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 Chapter 2).

Table 4 provides a summary of well downtime contributions by month. Review of system logs indicates that the largest contributors to well downtime were reduced flow due to loss of the irrigation system, various operational issues with individual wells, controls, power losses, and well prioritization.

Although repairs are needed at some wells, the well field is still capable of reaching the 90% throughput goal. PTX06-EW-58 had experienced problems with pumping. A well video indicated that the well casing has stress cracks from about 8 ft bgs to 168 ft bgs. This well repair is complex and Pantex has been evaluating options to allow continued use of the well. Pantex plans to line the casing with smaller pipe and continue operating the well until it fails. Currently, this well is not required to operate due to its low priority and continued low flows at the SEPTS. Many low priority wells are not operating due to low flow operation of the system while injection and limited release to Playa 1 occurs. Injection was started in July 2017 after the break at the filter bank and is expected to continue into 2019 due to the complexity of the repairs. Pantex has evaluated other options for release of treated water and plans to complete two projects to ensure long-term consistent operation of the systems. The options are discussed in Section 2.

Table 3. Days Operated per Month for SEPTS Wells

Well	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	2017 Well % Operation	Priority
PTX06-EW-01	0	8	9	2	0	0	0	14	0	5	0	0	38	10%	7
PTX06-EW-02	3	28	21	25	31	31	28	31	30	12	1	23	264	72%	7
PTX06-EW-03	0	0	0	0	0	0	0	0	18	18	0	7	43	12%	7
PTX06-EW-04	1	28	19	0	0	0	0	0	0	29	30	7	114	31%	1
PTX06-EW-07	1	28	31	23	31	31	28	31	30	23	16	0	273	75%	1
PTX06-EW-09	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	4
PTX06-EW-10	3	28	31	25	31	31	28	31	30	0	0	0	238	65%	2
PTX06-EW-12	3	28	31	25	31	31	0	0	0	4	0	0	153	42%	1
PTX06-EW-15	2	8	31	25	31	31	28	31	30	0	0	0	217	59%	6
PTX06-EW-16	3	28	31	25	31	0	0	0	18	22	23	16	197	54%	1
PTX06-EW-17	0	0	0	0	0	0	0	0	0	22	11	21	54	15%	1
PTX06-EW-18	0	0	0	0	0	0	0	0	0	3	7	13	23	6%	1
PTX06-EW-19	3	28	31	25	31	0	0	0	18	23	11	0	170	47%	1
PTX06-EW-20	0	8	19	0	0	0	0	0	0	0	6	0	33	9%	7
PTX06-EW-22	0	8	31	25	31	31	28	31	30	0	0	0	215	59%	7
PTX06-EW-23	2	8	31	25	31	31	28	31	30	25	29	22	293	80%	5
PTX06-EW-24	0	8	19	20	0	0	0	0	0	0	0	1	48	13%	7
PTX06-EW-25	0	8	19	20	0	0	0	0	0	0	0	0	47	13%	7
PTX06-EW-26	3	28	19	20	0	0	0	24	27	15	29	22	187	51%	5
PTX06-EW-27	3	28	31	25	31	31	28	31	30	30	30	7	305	84%	1
PTX06-EW-28	2	8	19	20	0	0	0	0	0	0	0	0	49	13%	6
PTX06-EW-29	0	8	19	0	0	0	0	0	0	8	13	0	48	13%	7
PTX06-EW-30	3	28	31	25	31	31	28	31	30	30	30	7	305	84%	5
PTX06-EW-31	3	28	31	25	31	31	28	31	30	14	30	7	289	79%	5
PTX06-EW-32	3	28	31	25	31	31	28	31	30	30	30	6	304	83%	3

Well	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Well %		Priority
													Total	Operation	
PTX06-EW-33	3	28	31	25	31	31	28	31	30	30	30	7	305	84%	3
PTX06-EW-34	3	28	31	25	31	31	28	31	30	30	30	7	305	84%	3
PTX06-EW-35	3	28	31	25	31	31	28	31	30	30	30	7	305	84%	1
PTX06-EW-36	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	3
PTX06-EW-37	3	28	31	25	31	31	28	31	30	30	18	16	302	83%	4
PTX06-EW-38	3	28	31	25	31	31	28	31	30	30	0	0	268	73%	4
PTX06-EW-39	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	4
PTX06-EW-40	1	28	31	25	31	31	28	31	30	1	1	0	238	65%	4
PTX06-EW-41	3	28	31	25	31	31	28	31	30	0	0	0	238	65%	5
PTX06-EW-42	1	28	31	25	31	31	28	31	30	0	0	0	236	65%	3
PTX06-EW-43	1	28	31	25	31	31	28	31	30	30	30	23	319	87%	3
PTX06-EW-44	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	3
PTX06-EW-45	3	28	31	25	31	31	28	31	30	3	1	0	242	66%	3
PTX06-EW-46	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	3
PTX06-EW-48	0	0	0	20	0	0	0	0	18	30	30	7	105	29%	3
PTX06-EW-49	2	8	19	0	0	0	0	0	0	0	0	0	29	8%	7
PTX06-EW-50	3	28	31	23	31	0	0	0	0	18	30	15	179	49%	1
PTX06-EW-51	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	2
PTX06-EW-53	3	28	31	25	31	31	28	31	30	26	30	7	301	82%	1
PTX06-EW-54	3	28	31	25	31	31	28	31	30	9	30	23	300	82%	1
PTX06-EW-55	3	28	31	23	31	31	28	31	30	30	30	23	319	87%	1
PTX06-EW-56	3	28	31	17	0	0	0	0	18	29	30	23	179	49%	1
PTX06-EW-57	3	28	31	25	31	31	28	31	30	29	30	23	320	88%	1
PTX06-EW-58	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	7
PTX06-EW-59	0	0	0	0	0	0	0	23	0	0	0	0	23	6%	7
PTX06-EW-60	0	0	0	0	0	0	0	23	0	0	0	0	23	6%	7
PTX06-EW-61	0	0	0	0	0	0	0	23	0	0	0	0	23	6%	7
PTX06-EW-62	0	0	10	0	0	0	0	23	0	0	0	0	33	9%	7
PTX06-EW-63	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	7
PTX06-EW-64	0	0	0	0	0	0	0	23	0	0	0	0	23	6%	7
PTX06-EW-65	0	8	9	0	0	0	0	0	0	0	0	1	18	5%	7
PTX06-EW-66	0	8	9	0	0	0	0	0	0	0	2	0	19	5%	7
PTX06-EW-67	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	2
PTX06-EW-68	3	28	31	25	31	31	28	31	30	30	30	23	321	88%	2

Table 4. SEPTS Well Downtime Contributors

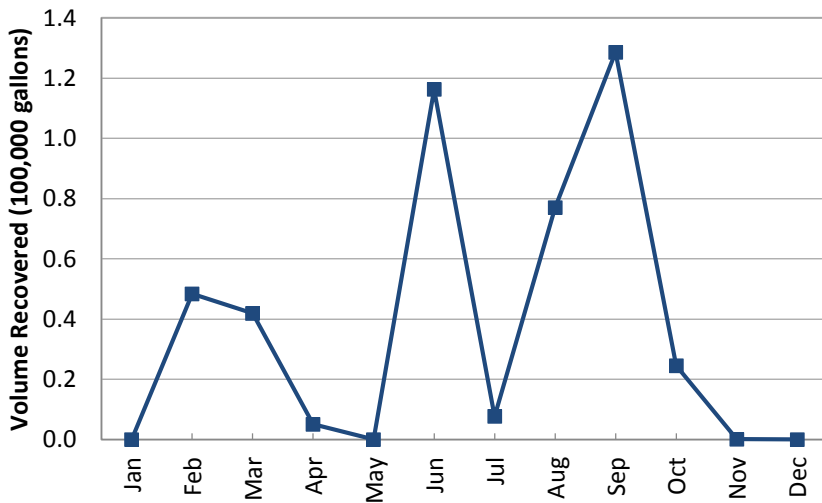
Month	Operational Contributor	Well Contributions	# Wells Affected
Jan	Irrigation system, ASC electrical line completion	5 wells impacted by various repair issues	59
Feb	Irrigation system	5 wells impacted by various repair issues	23
Mar	Irrigation system	5 wells impacted by various repair issues	14
Apr	Irrigation system, power outage for ASC, and carbon exchange	3 wells impacted by various repair issues	17
May	Irrigation system, system shutdown for sump and VFD repairs	5 wells impacted by various repair issues	23
Jun	Irrigation system	8 wells impacted by various repair issues	26
Jul	Irrigation system, power outage and carbon filter vessel replacement (1 day each)	8 wells impacted by various repair issues	27
Aug	Irrigation system, WWTF	8 wells impacted by various repair and communication issues	20
Sep	Irrigation system	8 wells impacted by various repair and communication issues	21
Oct	Irrigation system	7 wells impacted by various repair and communication issues	26
Nov	Irrigation system	7 wells impacted by various repair issues	29
Dec	Irrigation system, SCADA issues, and carbon exchange	10 wells impacted by locked out line for tie-in of new wells east of FM 2373	38

WWTF = Wastewater treatment facility

ASC = Administrative Site Complex

Southeast Pump and Treat System
PTX06-EW-1

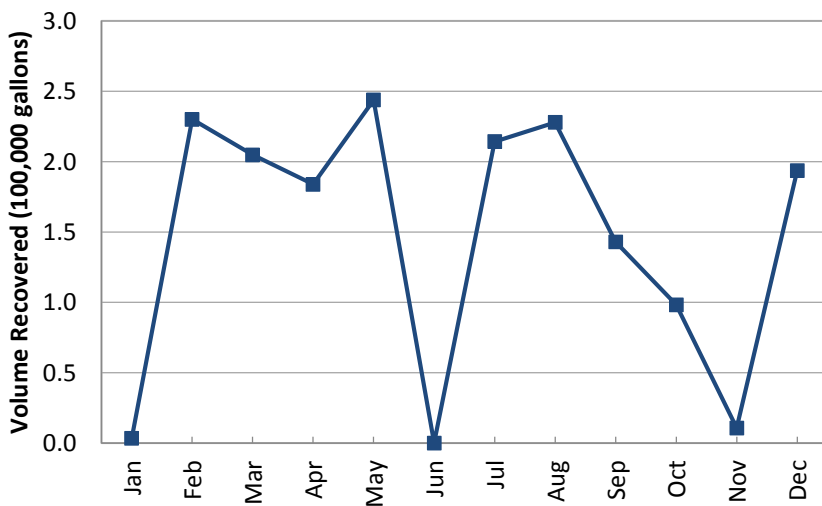
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	48,379
Mar	41,908
Apr	5,144
May	0
Jun	116,228
Jul	7,709
Aug	77,013
Sep	128,590
Oct	24,520
Nov	132
Dec	0
Total	449,623

PTX06-EW-2

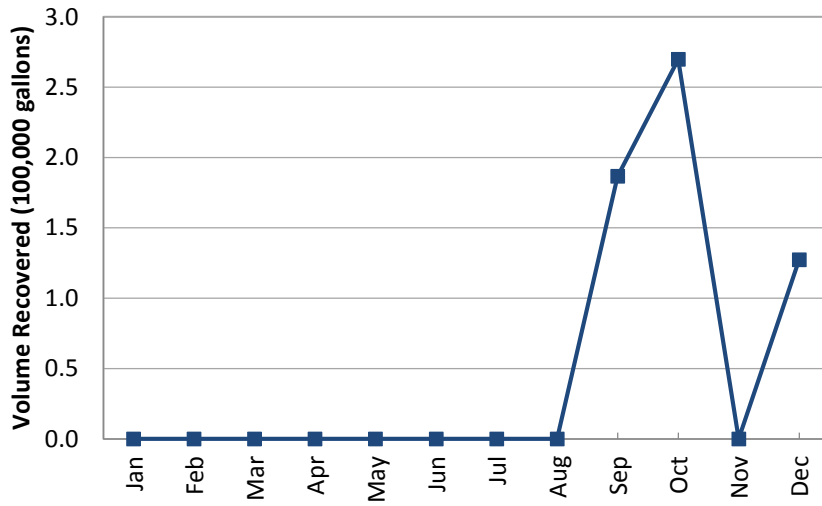
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	3,337
Feb	230,128
Mar	204,906
Apr	183,968
May	243,863
Jun	0
Jul	214,344
Aug	227,974
Sep	143,114
Oct	98,234
Nov	10,735
Dec	193,648
Total	1,754,251

PTX06-EW-3

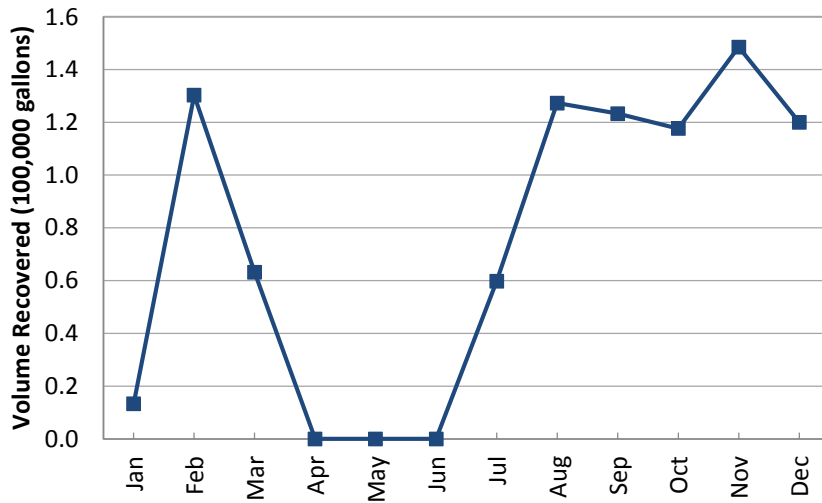
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	186,569
Oct	269,770
Nov	0
Dec	127,371
Total	583,710

PTX06-EW-4

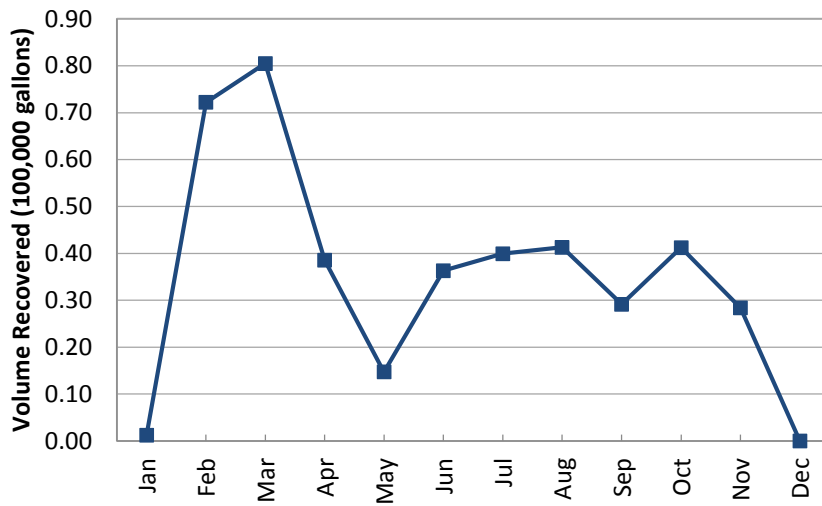
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	13,359
Feb	130,331
Mar	63,123
Apr	0
May	0
Jun	0
Jul	59,738
Aug	127,341
Sep	123,326
Oct	117,678
Nov	148,546
Dec	120,075
Total	903,517

PTX06-EW-7

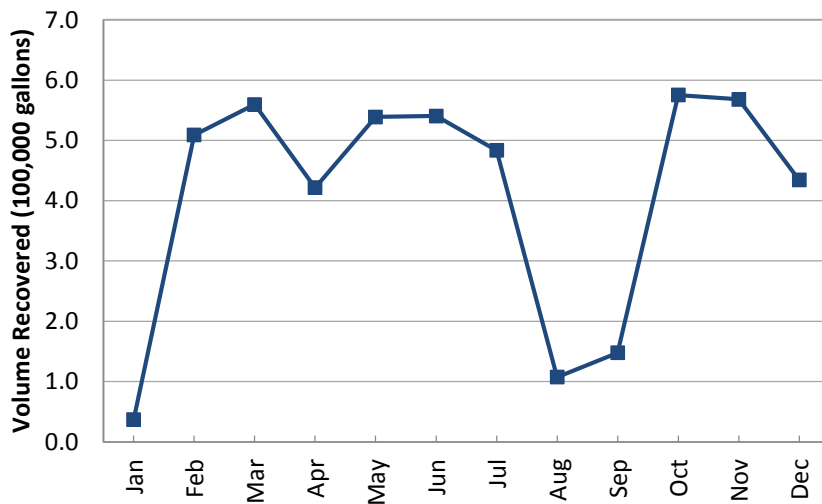
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	1,204
Feb	72,216
Mar	80,502
Apr	38,502
May	14,721
Jun	36,316
Jul	39,921
Aug	41,265
Sep	29,133
Oct	41,198
Nov	28,357
Dec	0
Total	423,335

PTX06-EW-9

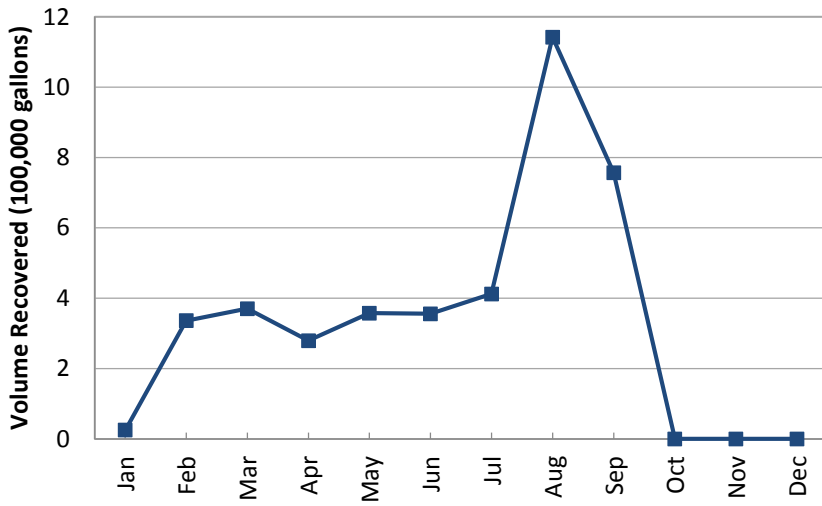
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	37,187
Feb	509,173
Mar	559,760
Apr	421,533
May	539,110
Jun	540,739
Jul	483,582
Aug	107,660
Sep	147,842
Oct	575,378
Nov	568,261
Dec	434,443
Total	4,924,668

PTX06-EW-10

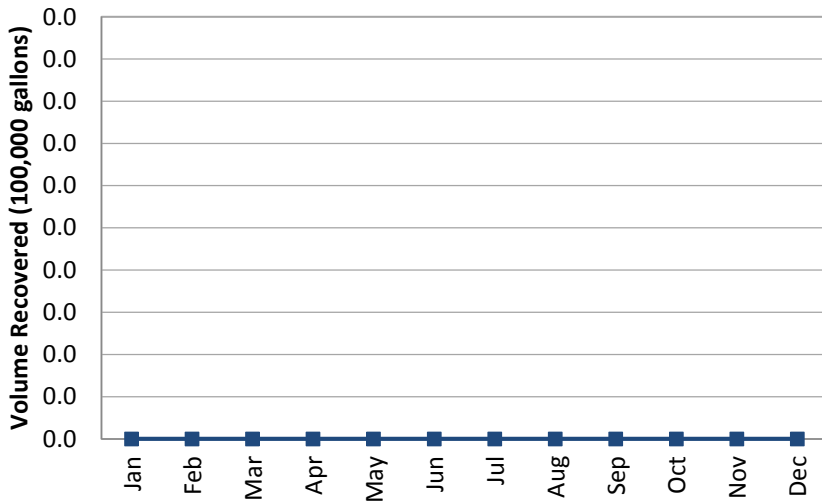
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	25,199
Feb	336,177
Mar	370,432
Apr	279,495
May	357,505
Jun	355,925
Jul	412,242
Aug	1,142,505
Sep	757,063
Oct	0
Nov	0
Dec	0
Total	4,036,543

PTX06-EW-12

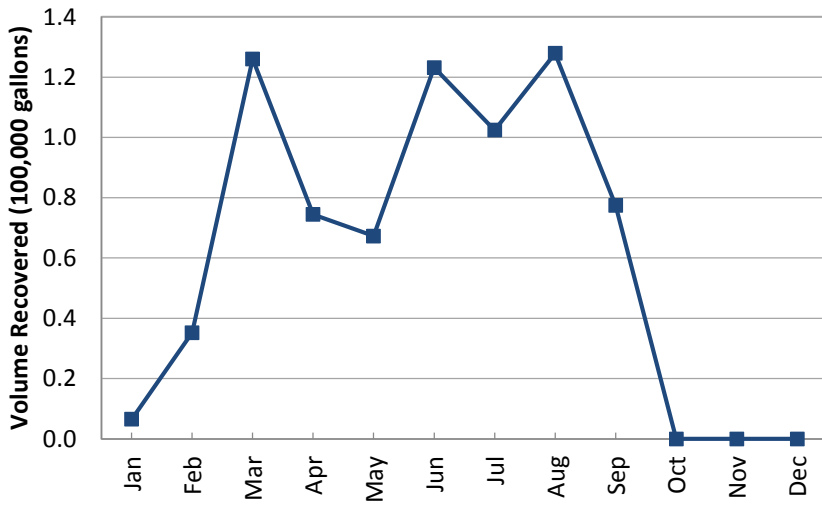
2018 Monthly Groundwater Flow Rate



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
Total	0

PTX06-EW-15

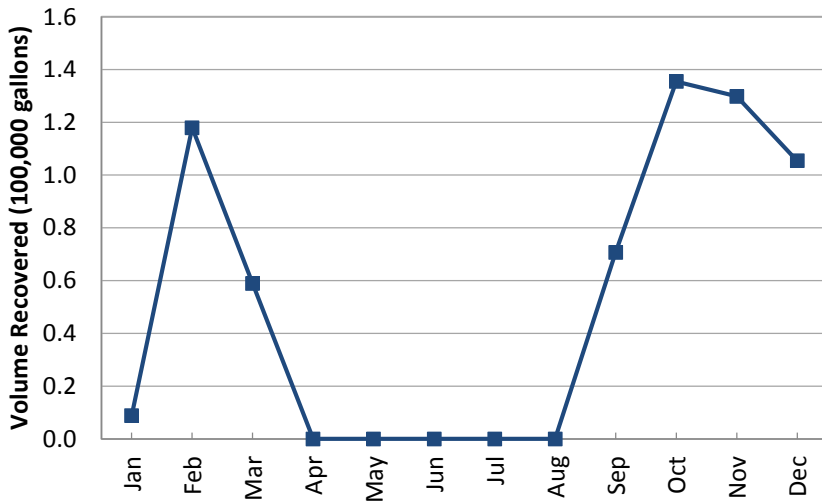
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	6,543
Feb	35,257
Mar	126,056
Apr	74,473
May	67,294
Jun	123,223
Jul	102,470
Aug	127,923
Sep	77,452
Oct	0
Nov	0
Dec	0
Total	740,691

PTX06-EW-16

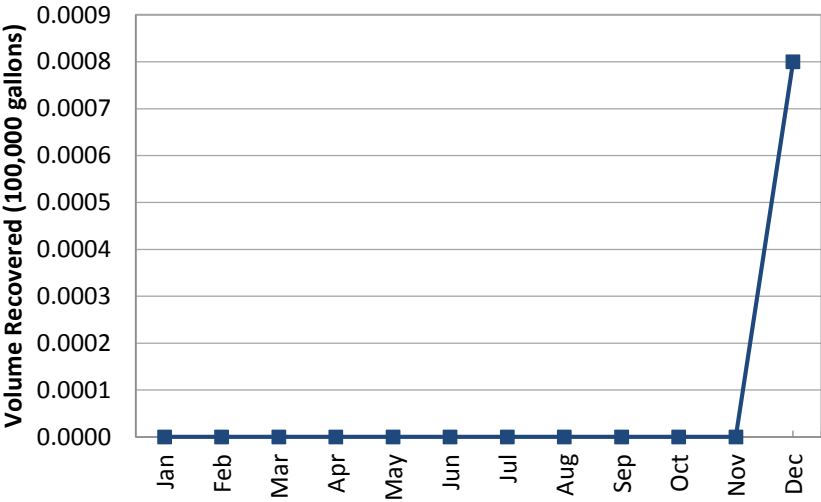
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	8,888
Feb	118,029
Mar	58,877
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	70,673
Oct	135,536
Nov	129,895
Dec	105,430
Total	627,328

PTX06-EW-17

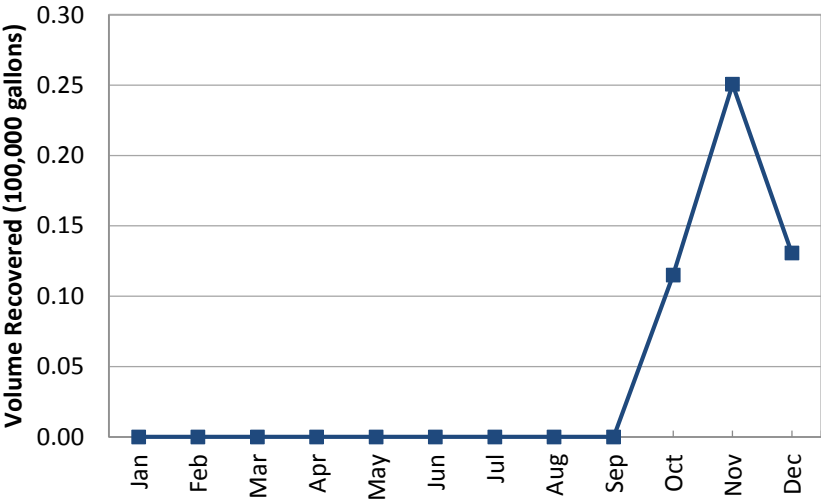
2018 Monthly Groundwater Flow Rate



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	80
Total	80

PTX06-EW-18

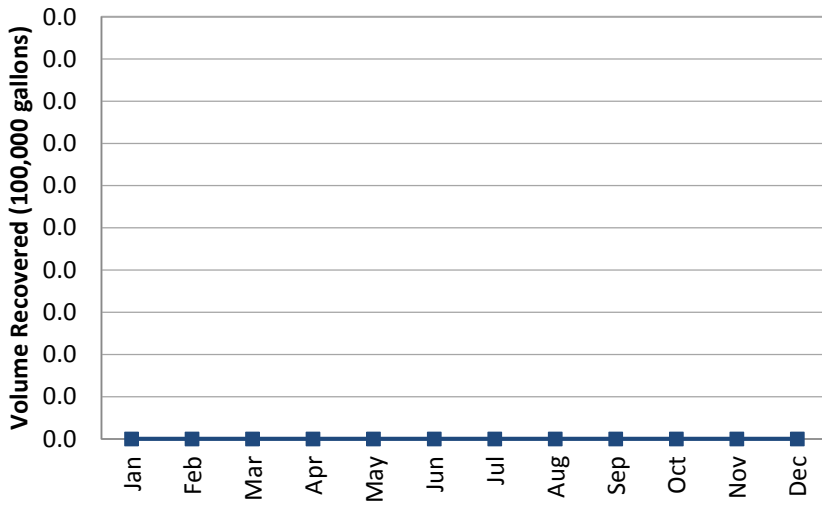
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	11,501
Nov	25,073
Dec	13,065
Total	49,639

PTX06-EW-19

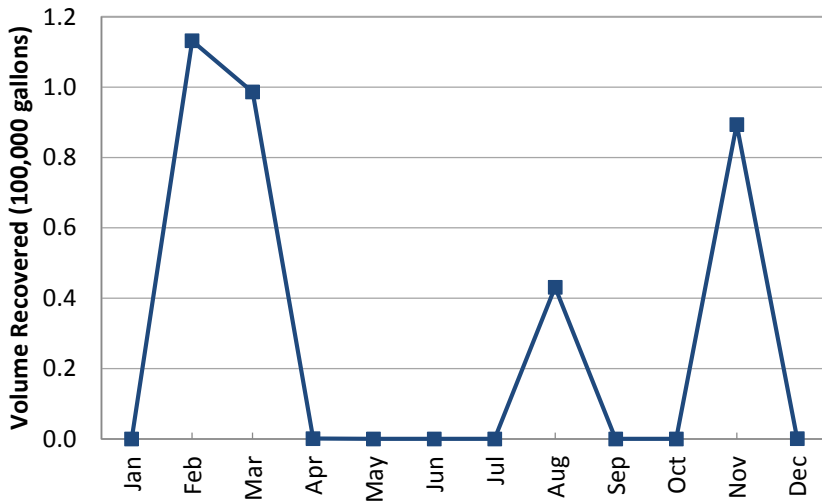
2018 Monthly Groundwater Flow Rate



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
Total	0

PTX06-EW-20

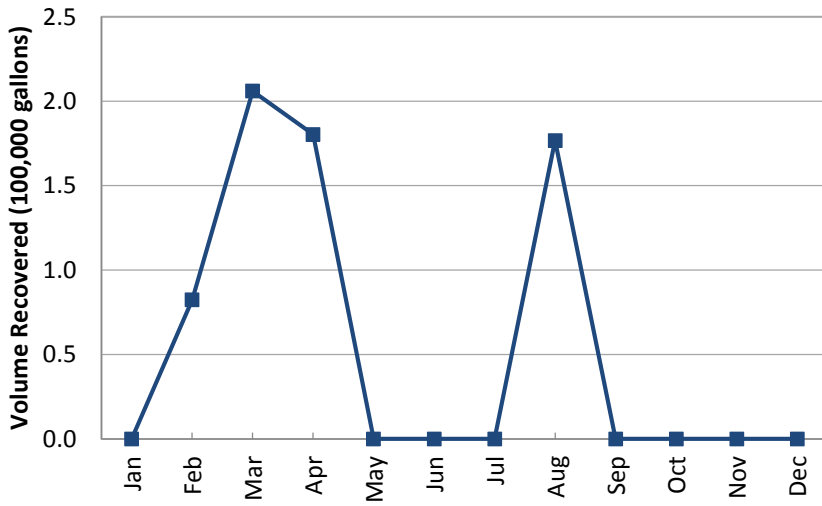
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	113,210
Mar	98,651
Apr	118
May	0
Jun	0
Jul	0
Aug	43,140
Sep	0
Oct	0
Nov	89,436
Dec	108
Total	344,663

PTX06-EW-22

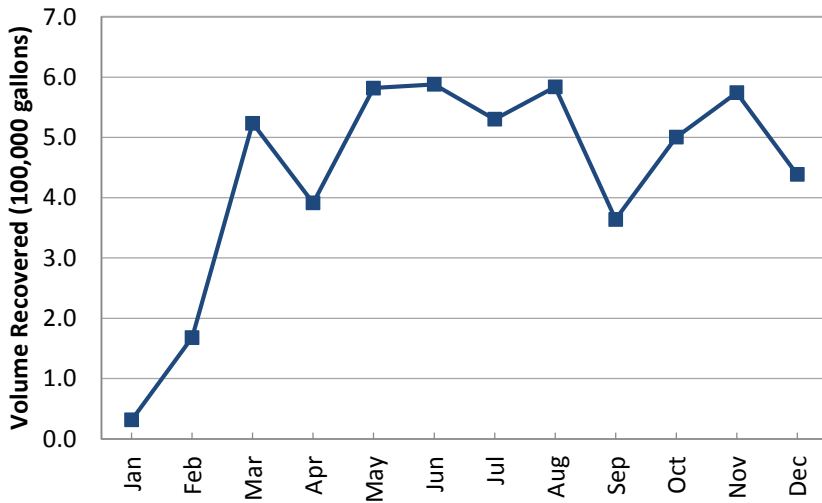
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	82,375
Mar	206,081
Apr	180,390
May	0
Jun	0
Jul	0
Aug	176,806
Sep	0
Oct	0
Nov	0
Dec	80
Total	645,732

PTX06-EW-23

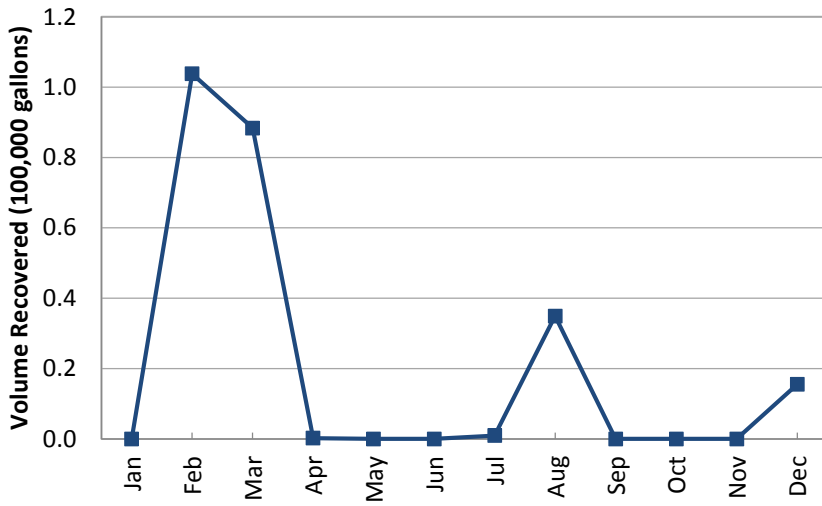
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	31,580
Feb	168,221
Mar	523,801
Apr	391,341
May	582,183
Jun	588,073
Jul	530,290
Aug	583,830
Sep	363,978
Oct	500,547
Nov	574,283
Dec	438,576
Total	5,276,703

PTX06-EW-24

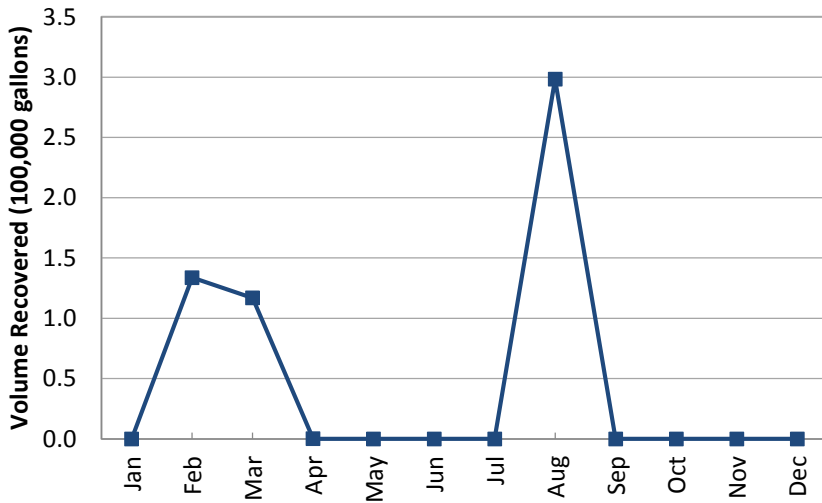
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	103,825
Mar	88,417
Apr	242
May	0
Jun	0
Jul	996
Aug	34,957
Sep	0
Oct	0
Nov	0
Dec	15,538
Total	243,975

PTX06-EW-25

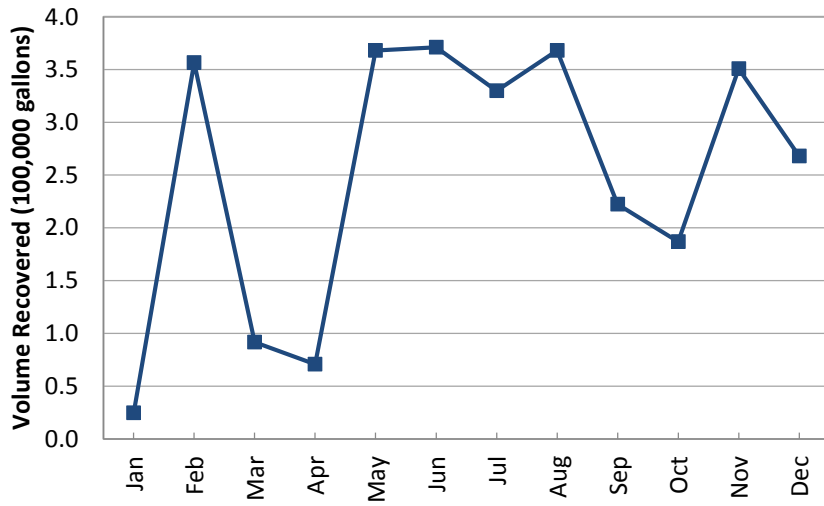
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	133,745
Mar	116,840
Apr	139
May	0
Jun	0
Jul	0
Aug	298,310
Sep	0
Oct	0
Nov	0
Dec	119
Total	549,153

PTX06-EW-26

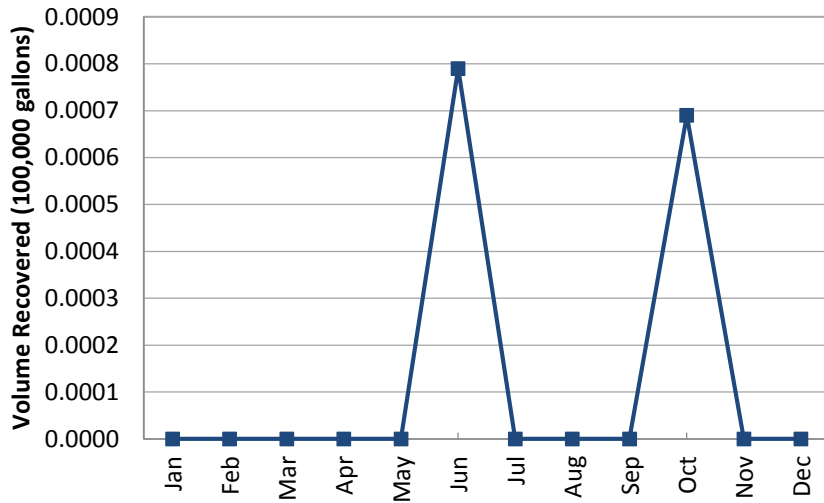
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	24,757
Feb	356,757
Mar	91,839
Apr	70,889
May	368,174
Jun	371,284
Jul	330,005
Aug	368,217
Sep	222,433
Oct	186,892
Nov	350,904
Dec	268,236
Total	3,010,387

PTX06-EW-27

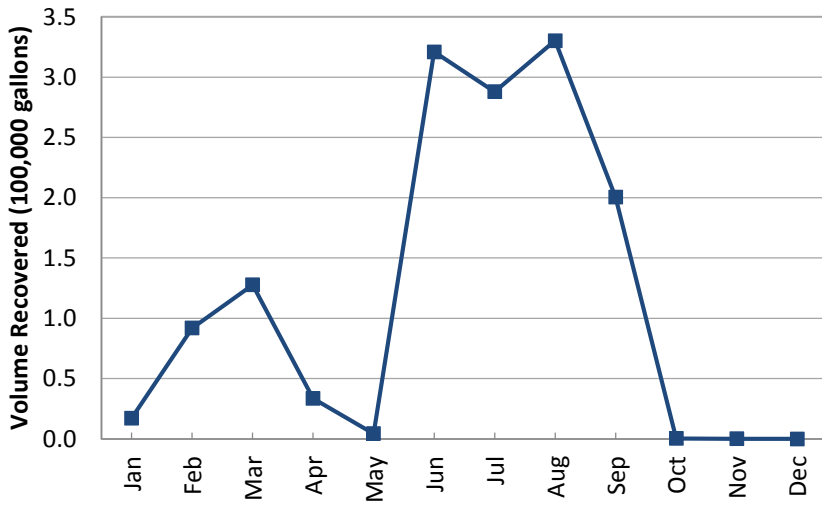
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	79
Jul	0
Aug	0
Sep	0
Oct	69
Nov	0
Dec	0
Total	148

PTX06-EW-28

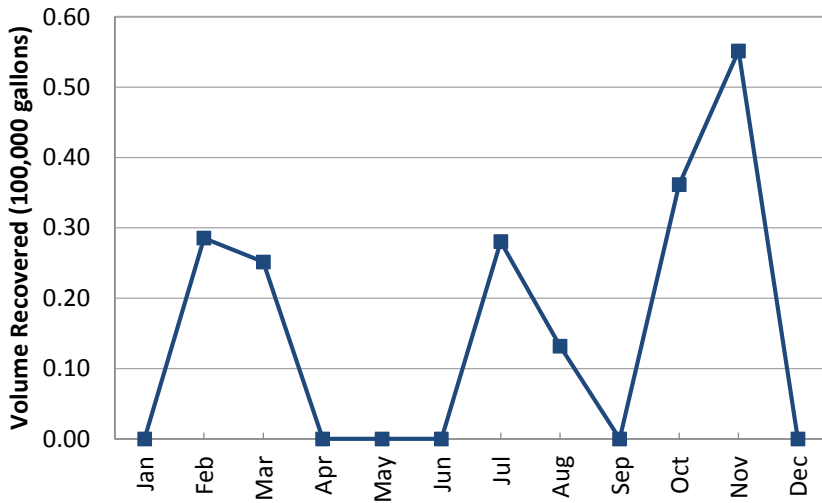
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	17,309
Feb	92,018
Mar	127,837
Apr	33,609
May	4,413
Jun	321,031
Jul	287,929
Aug	330,324
Sep	200,409
Oct	486
Nov	226
Dec	0
Total	1,415,591

PTX06-EW-29

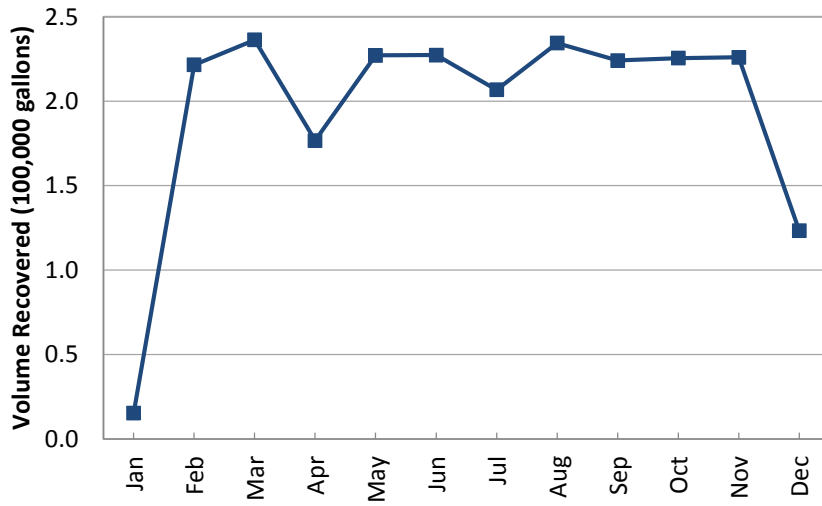
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	28,537
Mar	25,146
Apr	0
May	0
Jun	0
Jul	28,038
Aug	13,177
Sep	0
Oct	36,138
Nov	55,170
Dec	0
Total	186,206

PTX06-EW-30

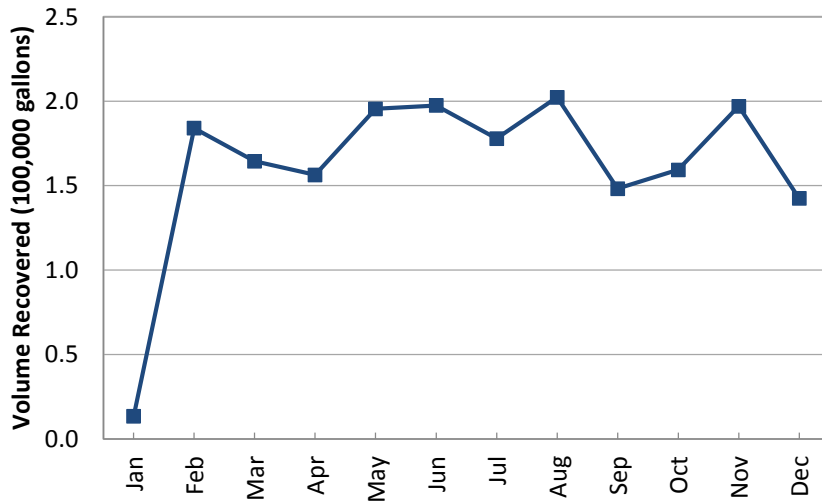
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	15,387
Feb	221,606
Mar	236,403
Apr	176,812
May	227,199
Jun	227,355
Jul	206,801
Aug	234,463
Sep	224,135
Oct	225,575
Nov	226,051
Dec	123,423
Total	2,345,210

PTX06-EW-31

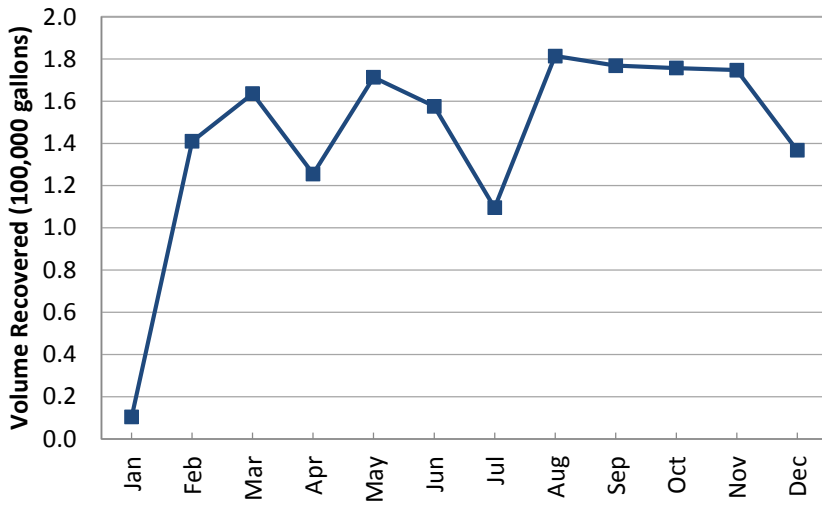
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	13,529
Feb	184,112
Mar	164,539
Apr	156,320
May	195,609
Jun	197,544
Jul	177,927
Aug	202,346
Sep	148,177
Oct	159,373
Nov	197,083
Dec	142,422
Total	1,938,981

PTX06-EW-32

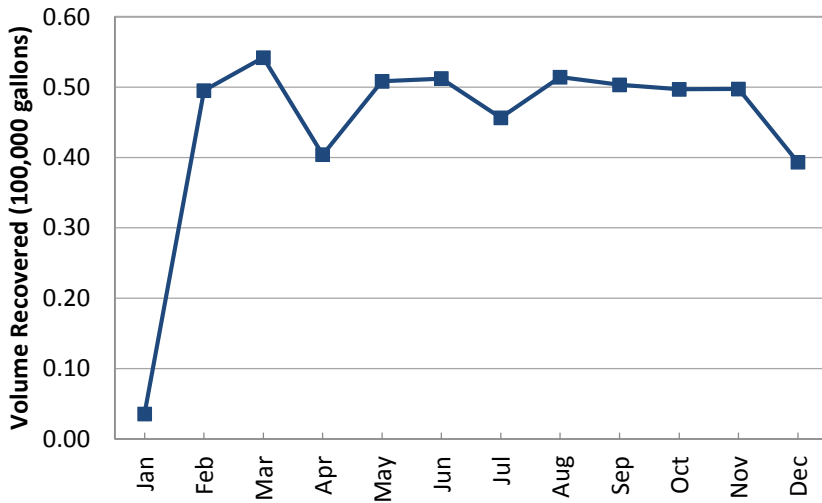
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	10,521
Feb	141,051
Mar	163,666
Apr	125,555
May	171,395
Jun	157,693
Jul	109,567
Aug	181,454
Sep	176,948
Oct	175,755
Nov	174,808
Dec	136,817
Total	1,725,230

PTX06-EW-33

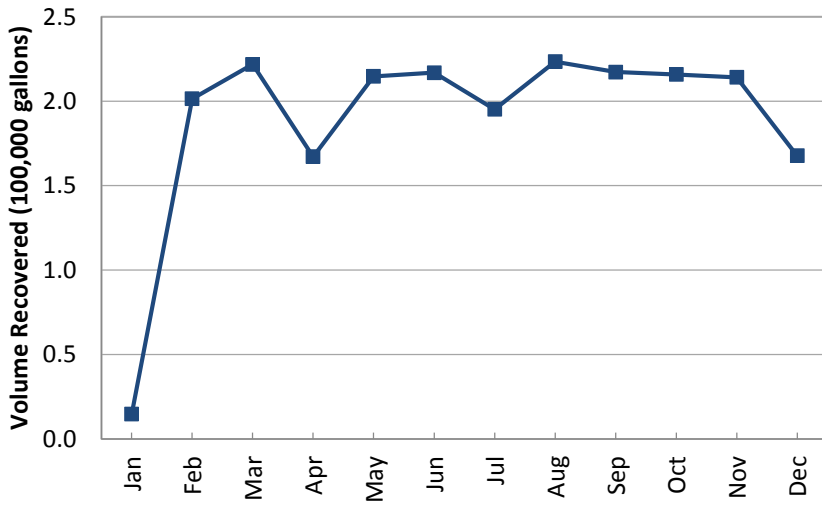
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	3,557
Feb	49,536
Mar	54,211
Apr	40,419
May	50,837
Jun	51,229
Jul	45,670
Aug	51,448
Sep	50,345
Oct	49,707
Nov	49,766
Dec	39,351
Total	536,076

PTX06-EW-34

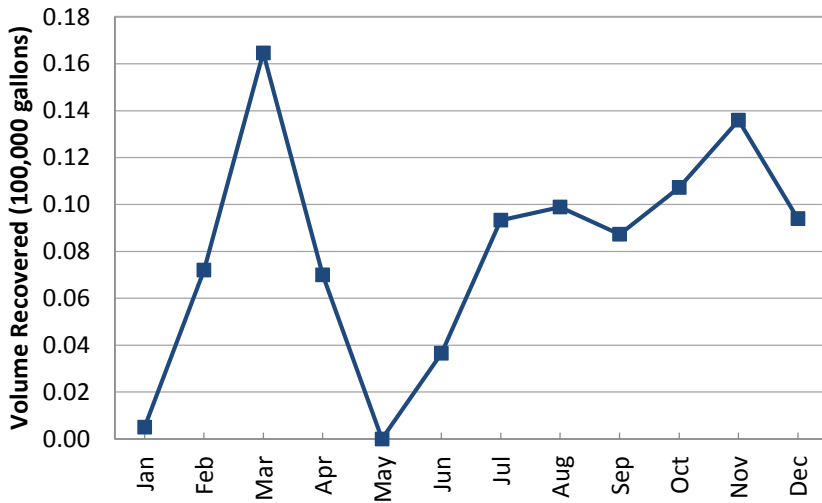
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	14,758
Feb	201,551
Mar	221,888
Apr	167,245
May	214,784
Jun	216,980
Jul	195,288
Aug	223,479
Sep	217,343
Oct	215,916
Nov	214,261
Dec	167,766
Total	2,271,259

PTX06-EW-35

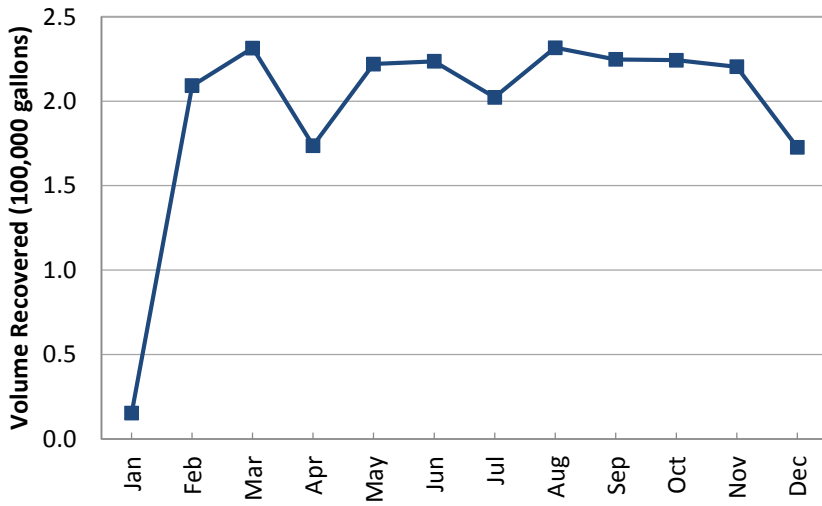
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	501
Feb	7,196
Mar	16,468
Apr	6,996
May	0
Jun	3,649
Jul	9,329
Aug	9,883
Sep	8,730
Oct	10,720
Nov	13,598
Dec	9,392
Total	96,462

PTX06-EW-36

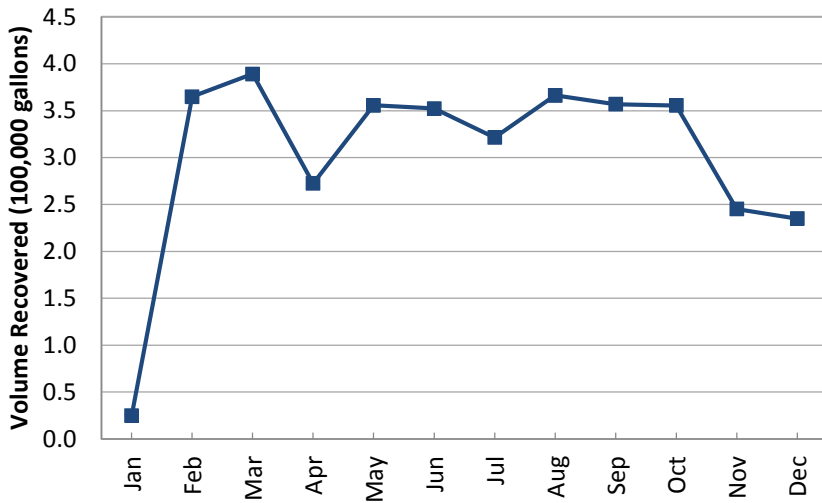
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	15,406
Feb	209,320
Mar	231,583
Apr	173,756
May	222,098
Jun	223,669
Jul	202,425
Aug	231,711
Sep	224,796
Oct	224,336
Nov	220,500
Dec	172,851
Total	2,352,451

PTX06-EW-37

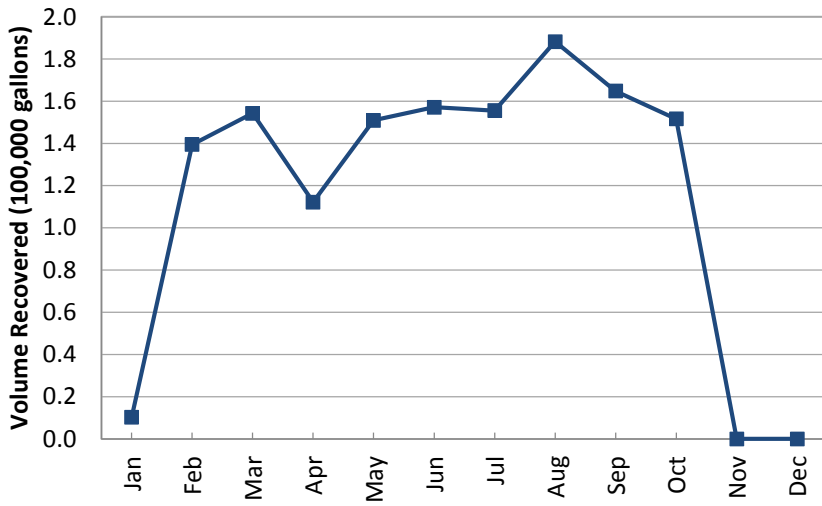
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	24,938
Feb	364,986
Mar	389,115
Apr	272,471
May	355,824
Jun	352,407
Jul	321,437
Aug	366,415
Sep	356,888
Oct	355,564
Nov	245,060
Dec	234,922
Total	3,640,027

PTX06-EW-38

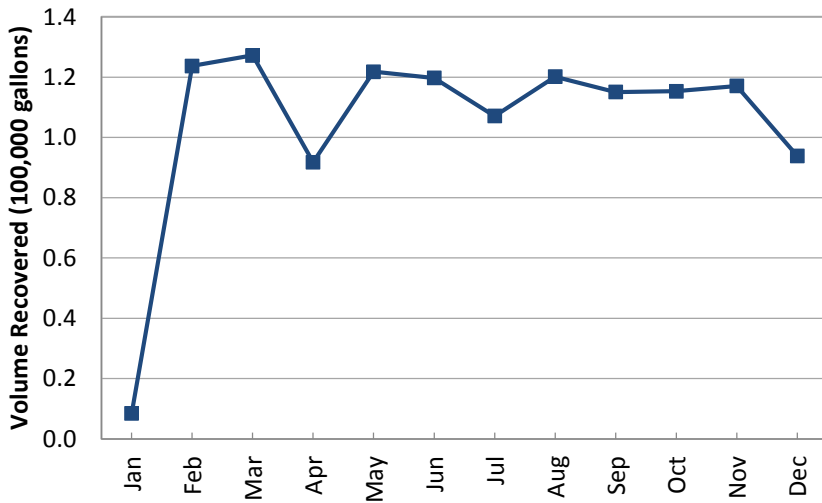
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	10,368
Feb	139,591
Mar	154,341
Apr	112,158
May	150,990
Jun	157,197
Jul	155,625
Aug	188,305
Sep	164,891
Oct	151,669
Nov	0
Dec	0
Total	1,385,135

PTX06-EW-39

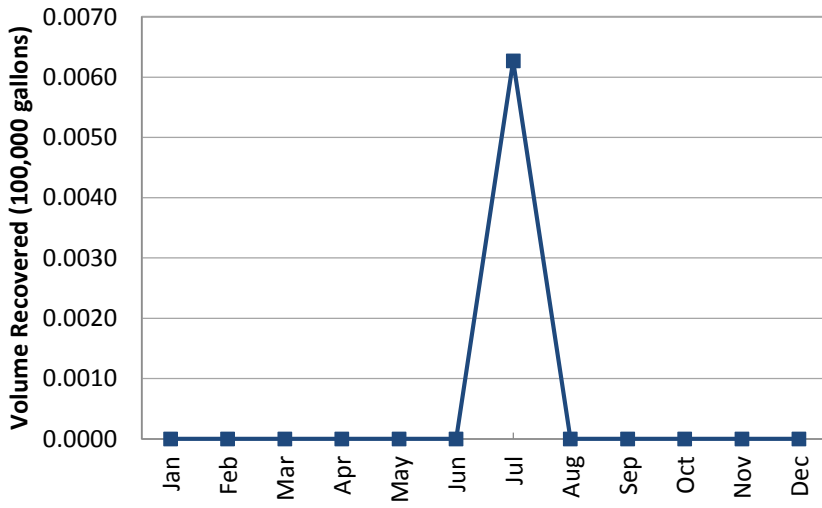
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	8,514
Feb	123,759
Mar	127,225
Apr	91,785
May	121,803
Jun	119,763
Jul	107,138
Aug	120,206
Sep	115,065
Oct	115,333
Nov	117,086
Dec	93,902
Total	1,261,579

PTX06-EW-40

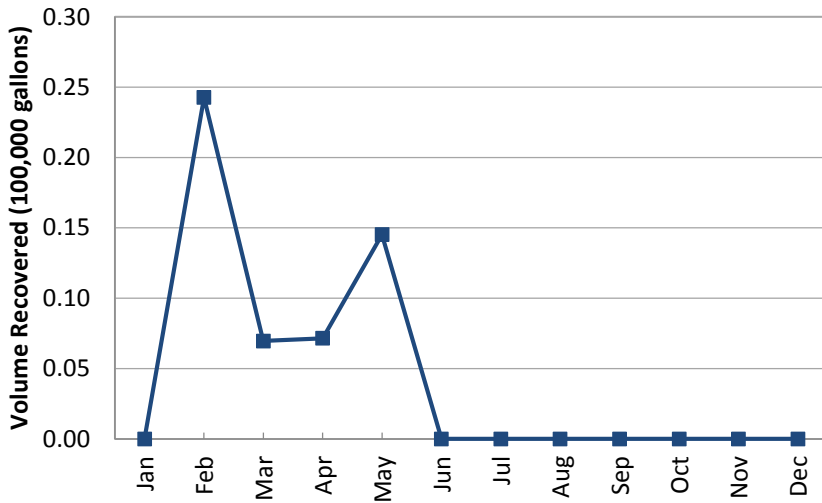
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	627
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
Total	627

PTX06-EW-41

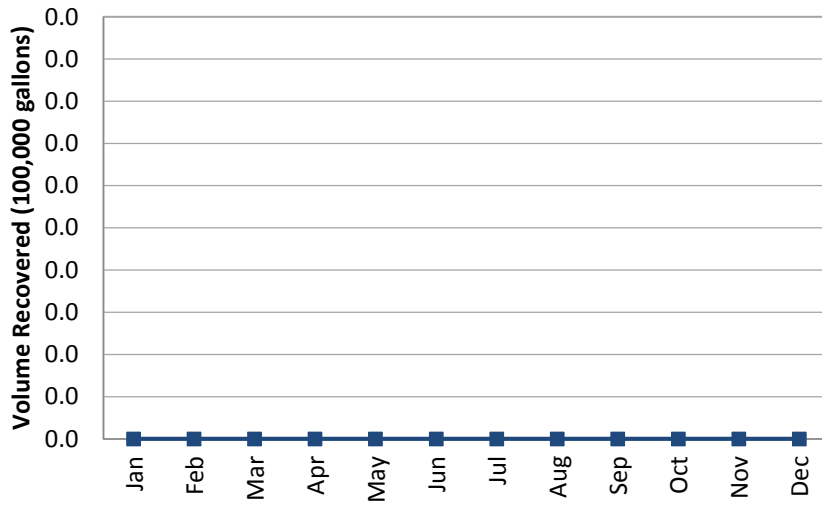
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	24,276
Mar	6,966
Apr	7,153
May	14,521
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
Total	52,916

PTX06-EW-42

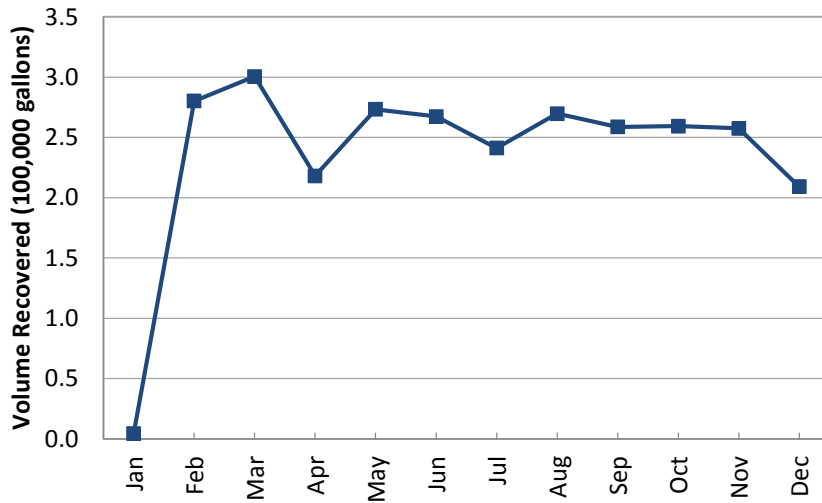
2018 Monthly Groundwater Flow Rate



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
Total	0

PTX06-EW-43

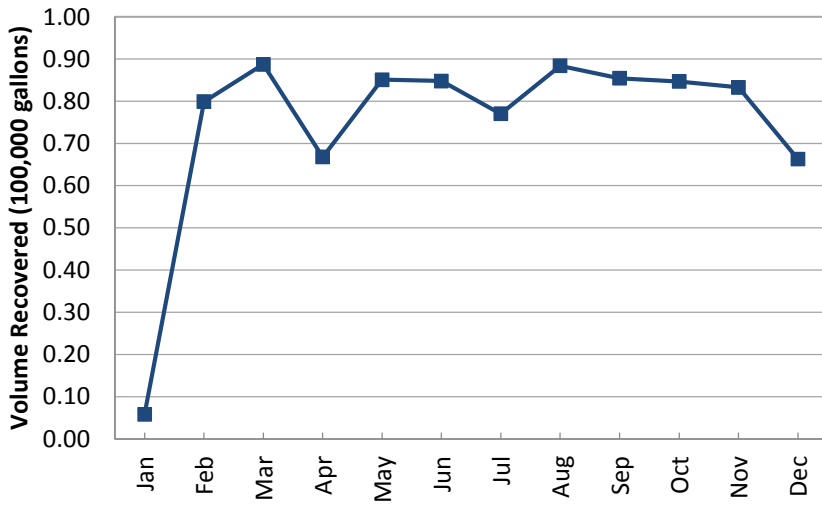
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	4,555
Feb	280,349
Mar	300,545
Apr	218,039
May	273,357
Jun	267,423
Jul	241,288
Aug	269,804
Sep	258,755
Oct	259,484
Nov	257,579
Dec	209,186
Total	2,840,364

PTX06-EW-44

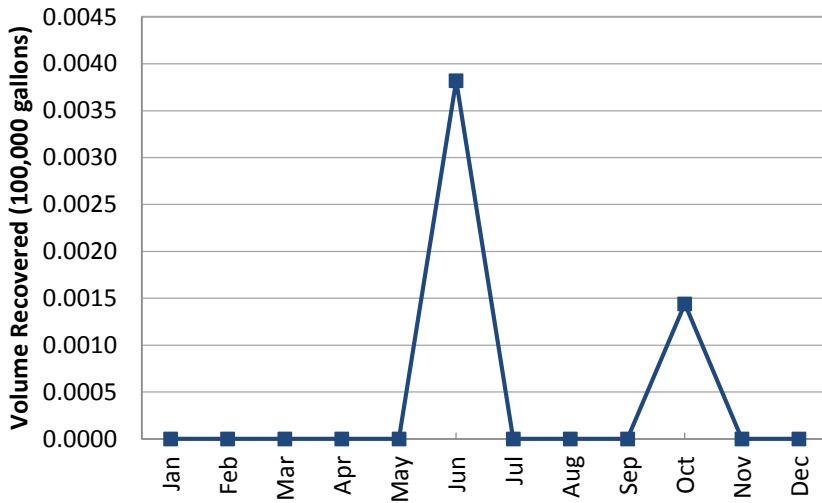
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	5,802
Feb	79,944
Mar	88,754
Apr	66,819
May	85,107
Jun	84,807
Jul	77,047
Aug	88,417
Sep	85,449
Oct	84,697
Nov	83,292
Dec	66,330
Total	896,465

PTX06-EW-45

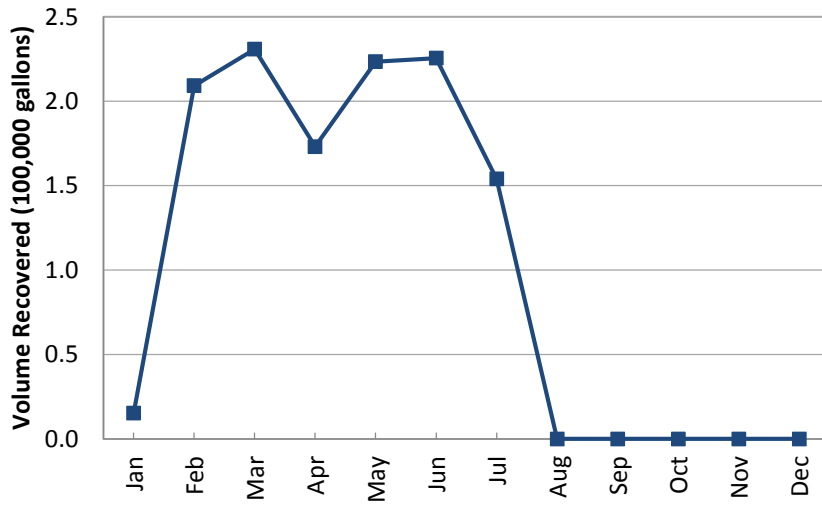
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	382
Jul	0
Aug	0
Sep	0
Oct	144
Nov	0
Dec	0
Total	526

PTX06-EW-46

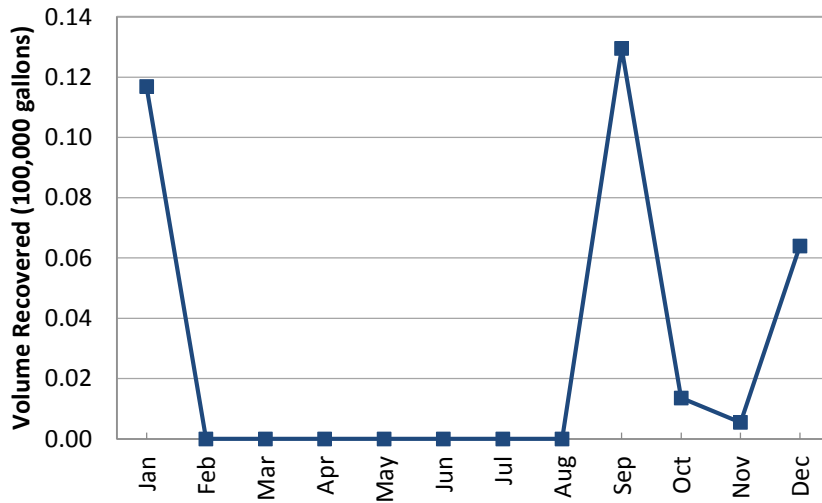
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	15,363
Feb	209,301
Mar	230,860
Apr	173,241
May	223,466
Jun	225,588
Jul	153,961
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
Total	1,231,780

PTX06-EW-48

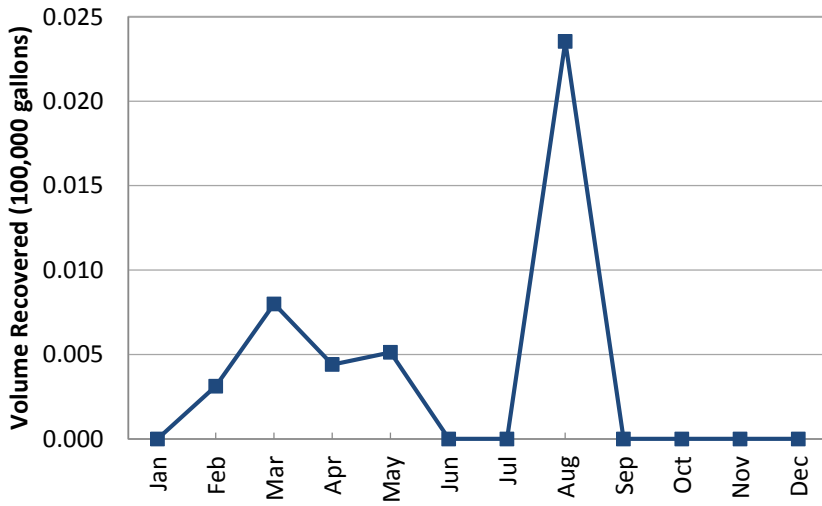
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	11,689
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	12,949
Oct	1,358
Nov	548
Dec	6,396
Total	32,940

PTX06-EW-49

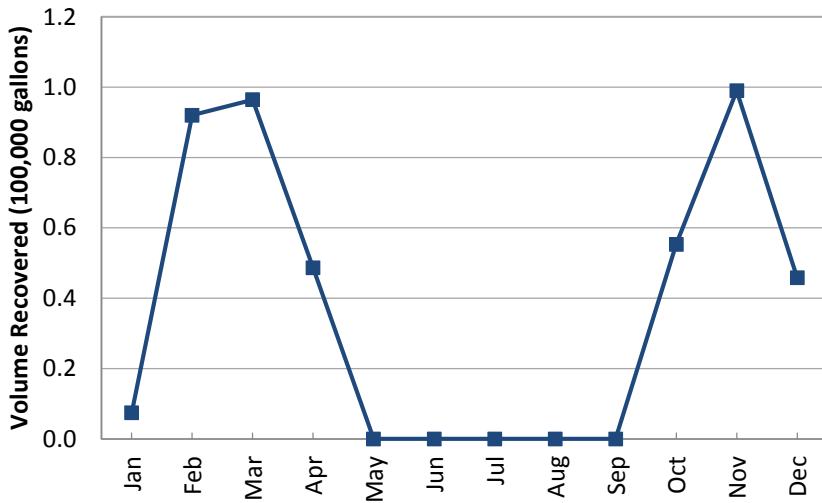
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	313
Mar	800
Apr	441
May	513
Jun	0
Jul	0
Aug	2,354
Sep	0
Oct	0
Nov	0
Dec	0
Total	4,421

PTX06-EW-50

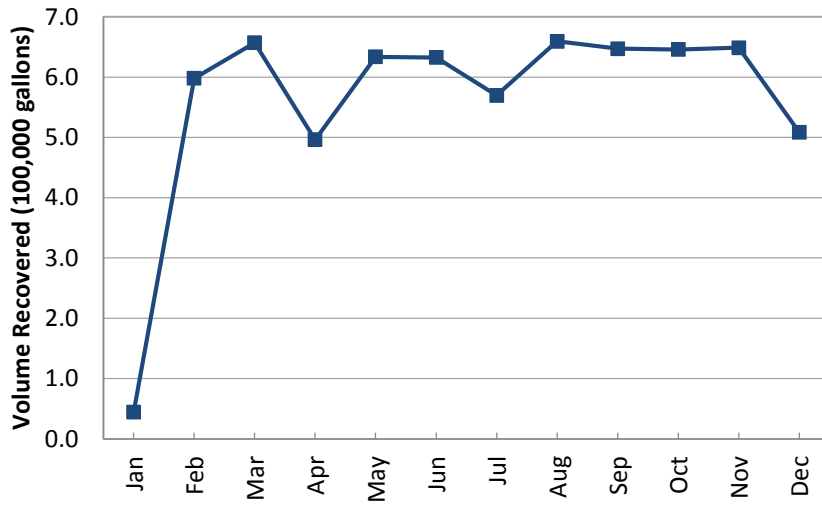
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	7,425
Feb	92,035
Mar	96,451
Apr	48,626
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	55,333
Nov	99,026
Dec	45,845
Total	444,741

PTX06-EW-51

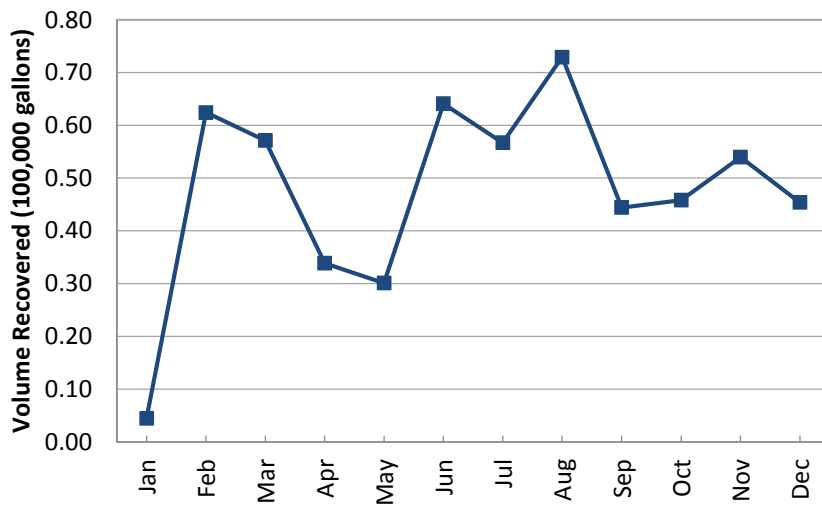
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	44,753
Feb	598,301
Mar	657,254
Apr	496,382
May	633,744
Jun	632,760
Jul	569,827
Aug	659,492
Sep	647,267
Oct	645,937
Nov	649,019
Dec	508,766
Total	6,743,502

PTX06-EW-53

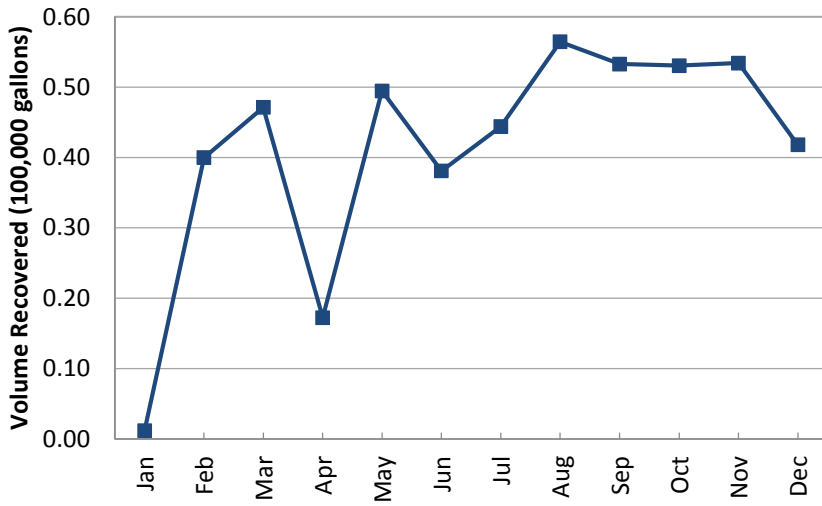
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	4,479
Feb	62,460
Mar	57,142
Apr	33,880
May	30,129
Jun	64,134
Jul	56,722
Aug	72,935
Sep	44,422
Oct	45,807
Nov	53,994
Dec	45,382
Total	571,486

PTX06-EW-54

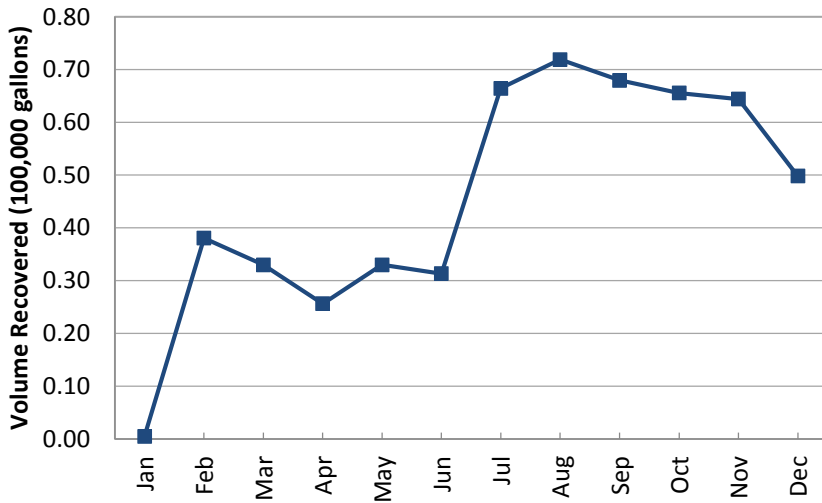
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	1,180
Feb	39,992
Mar	47,140
Apr	17,241
May	49,483
Jun	38,081
Jul	44,408
Aug	56,452
Sep	53,302
Oct	53,064
Nov	53,432
Dec	41,811
Total	495,586

PTX06-EW-55

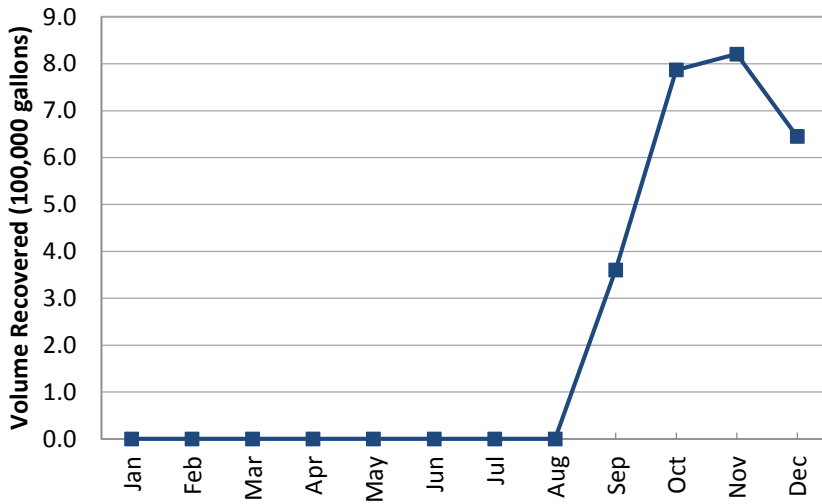
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	501
Feb	38,065
Mar	32,996
Apr	25,624
May	32,981
Jun	31,327
Jul	66,469
Aug	71,913
Sep	67,963
Oct	65,590
Nov	64,438
Dec	49,833
Total	547,700

PTX06-EW-56

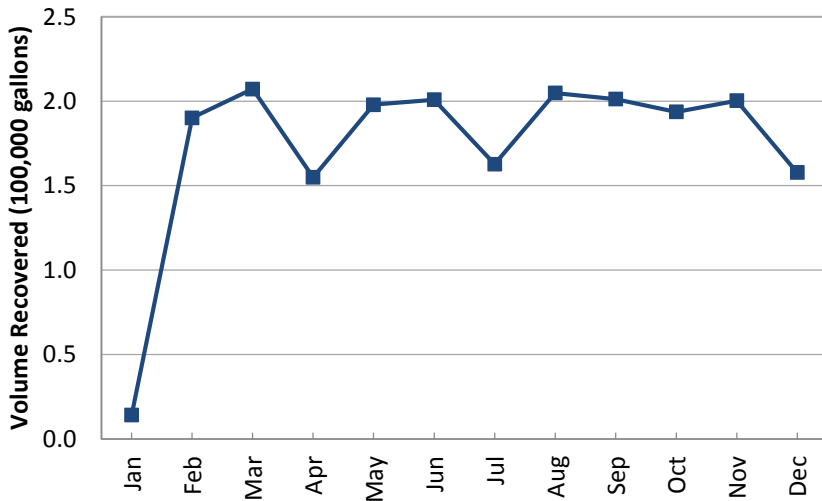
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	360,113
Oct	786,975
Nov	820,557
Dec	645,058
Total	2,612,703

PTX06-EW-57

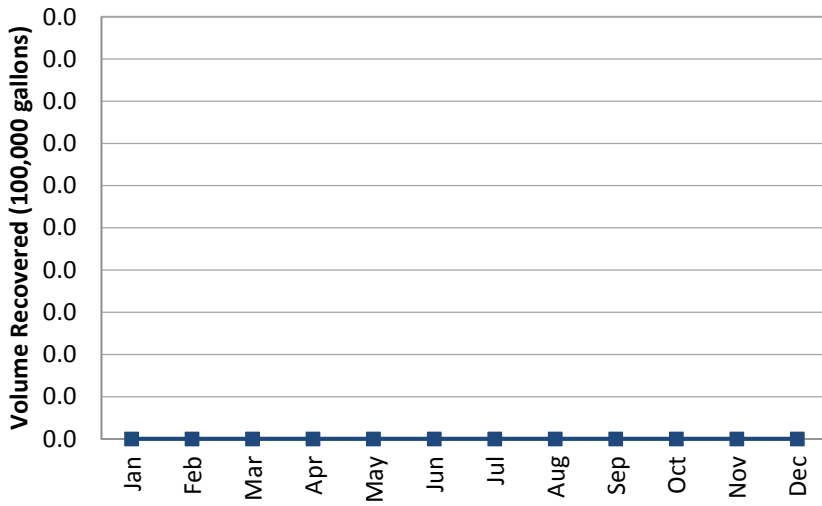
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	14,269
Feb	190,302
Mar	207,311
Apr	154,970
May	198,068
Jun	200,925
Jul	162,773
Aug	204,946
Sep	201,305
Oct	193,745
Nov	200,372
Dec	157,786
Total	2,086,772

PTX06-EW-58

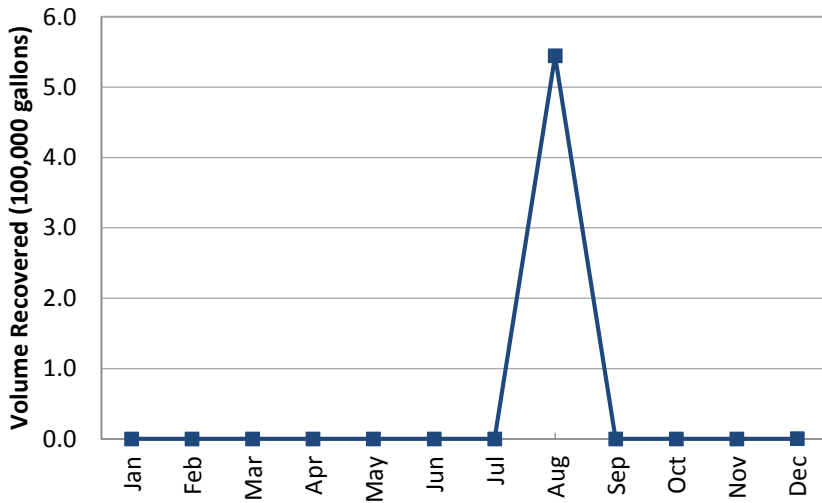
2018 Monthly Groundwater Flow Rate



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
Total	0

PTX06-EW-59

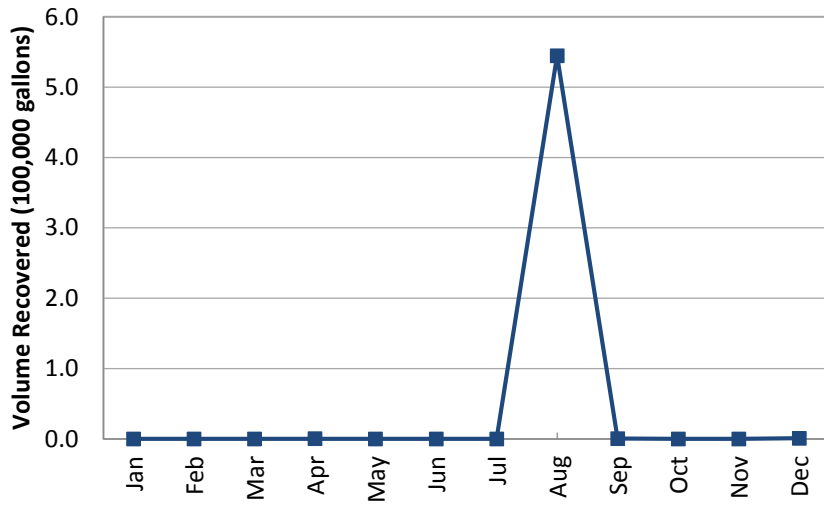
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	213
May	0
Jun	0
Jul	0
Aug	544,595
Sep	0
Oct	0
Nov	0
Dec	396
Total	545,204

PTX06-EW-60

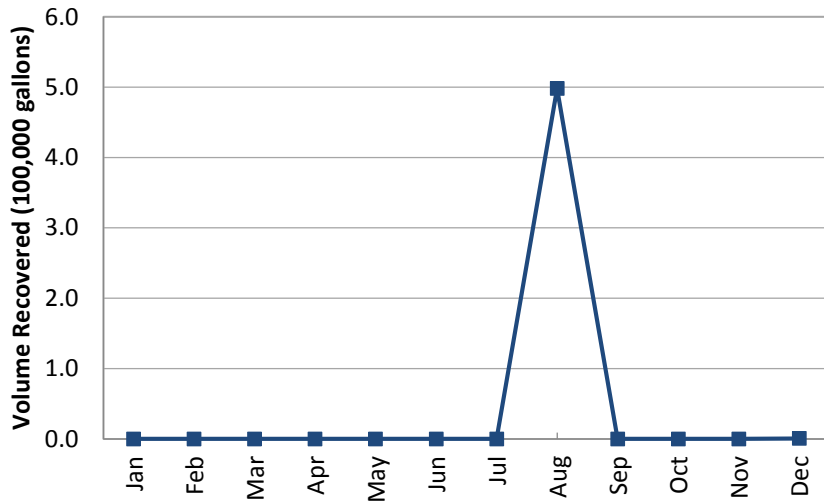
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	231
May	0
Jun	0
Jul	0
Aug	544,730
Sep	645
Oct	0
Nov	0
Dec	917
Total	546,523

PTX06-EW-61

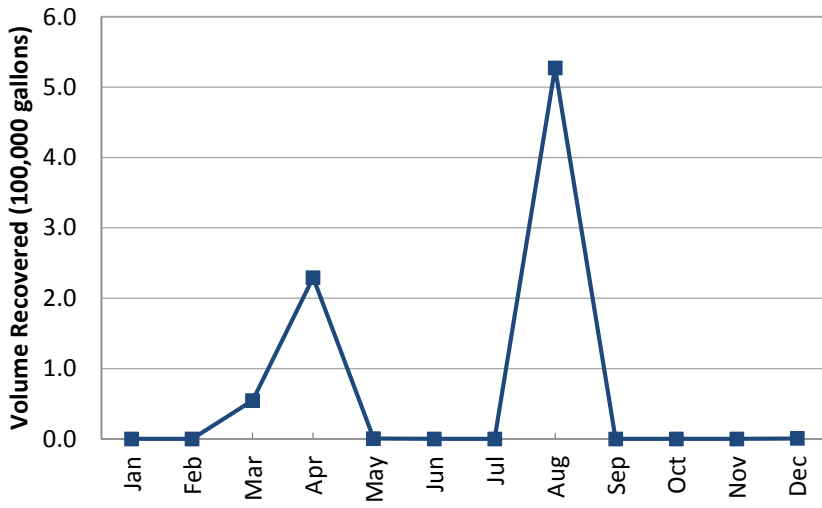
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	0
Feb	0
Mar	0
Apr	184
May	0
Jun	0
Jul	0
Aug	498,225
Sep	0
Oct	0
Nov	0
Dec	804
Total	499,213

PTX06-EW-62

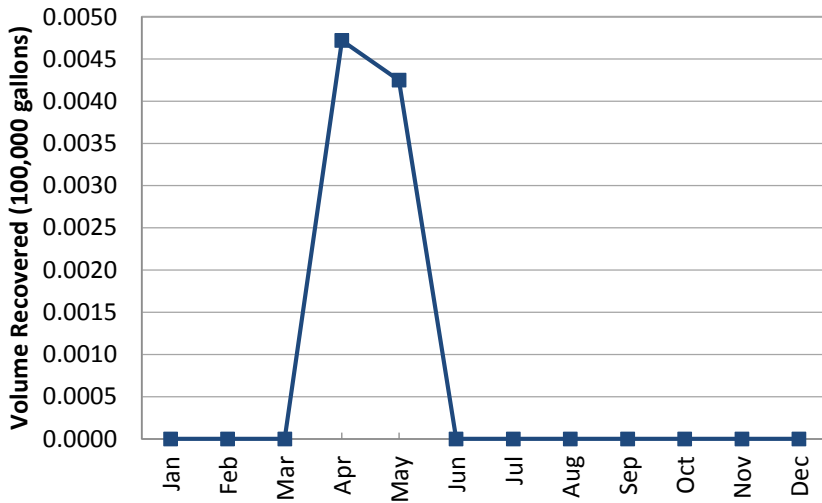
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	54,615
Apr	229,280
May	477
Jun	0
Jul	0
Aug	527,658
Sep	0
Oct	0
Nov	0
Dec	714
Total	812,744

PTX06-EW-63

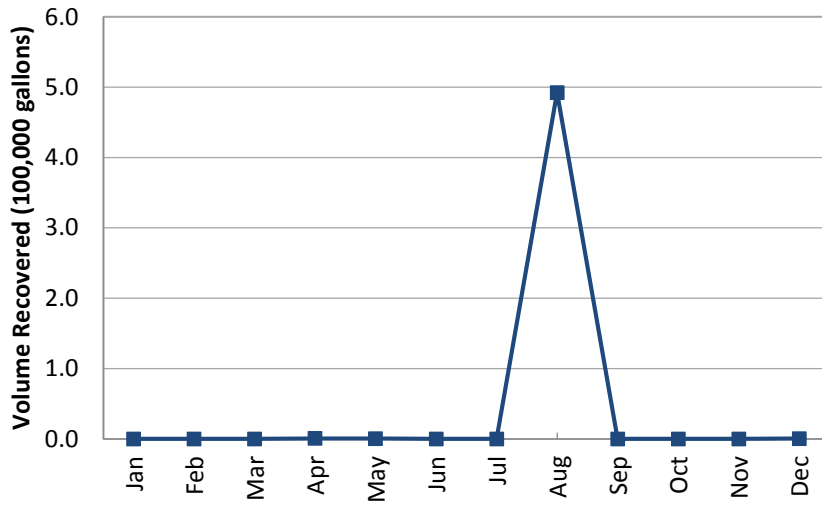
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	472
May	425
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
Total	897

PTX06-EW-64

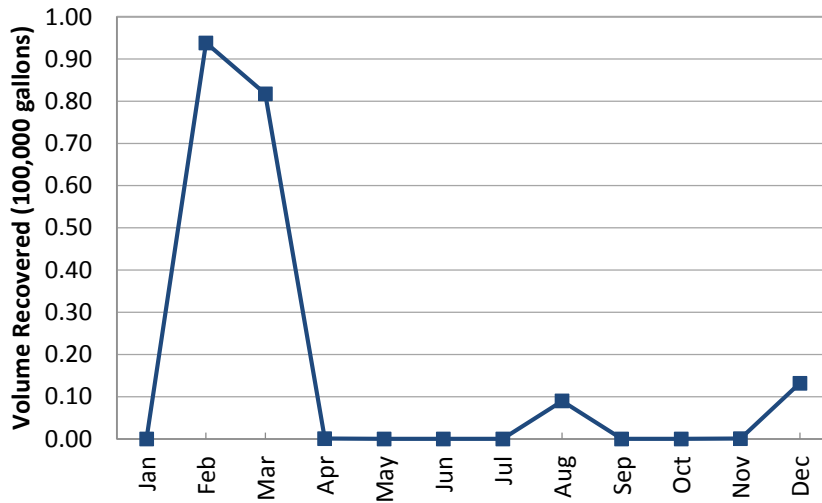
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	0
Mar	0
Apr	702
May	468
Jun	0
Jul	0
Aug	492,640
Sep	0
Oct	0
Nov	0
Dec	584
Total	494,394

PTX06-EW-65

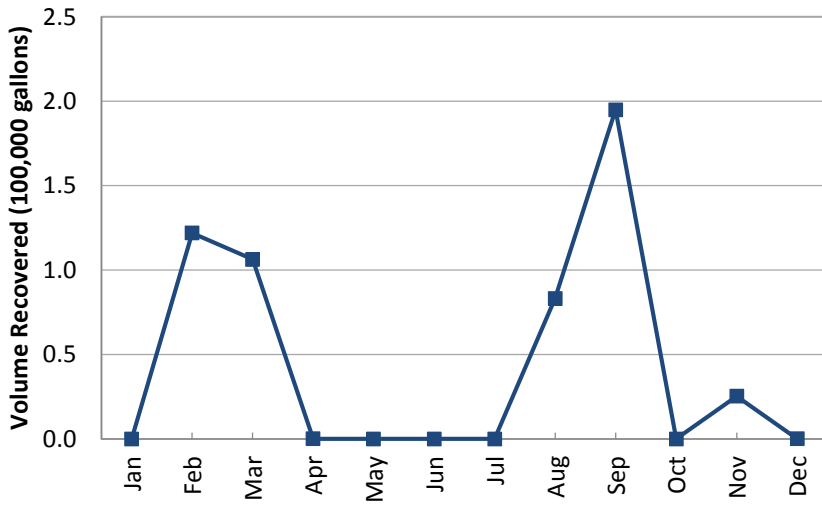
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	93,837
Mar	81,801
Apr	100
May	0
Jun	0
Jul	0
Aug	9,011
Sep	0
Oct	0
Nov	85
Dec	13,199
Total	198,033

PTX06-EW-66

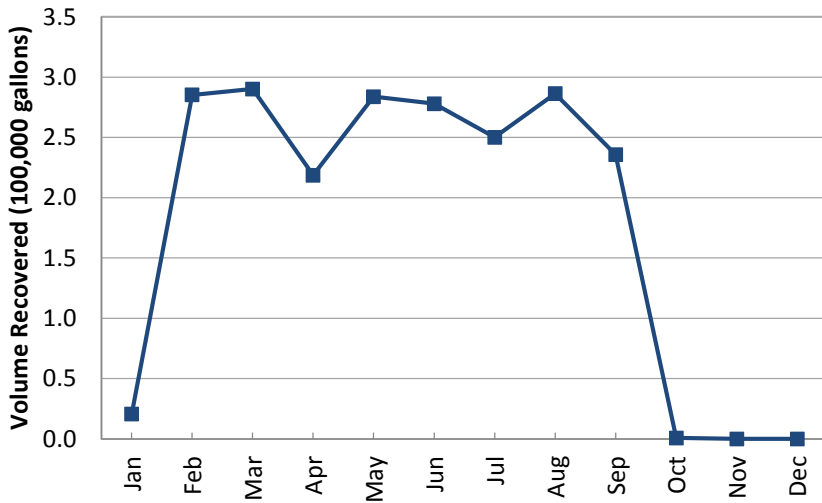
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	0
Feb	121,934
Mar	106,355
Apr	127
May	0
Jun	0
Jul	0
Aug	83,227
Sep	194,994
Oct	0
Nov	25,324
Dec	117
Total	532,078

PTX06-EW-67

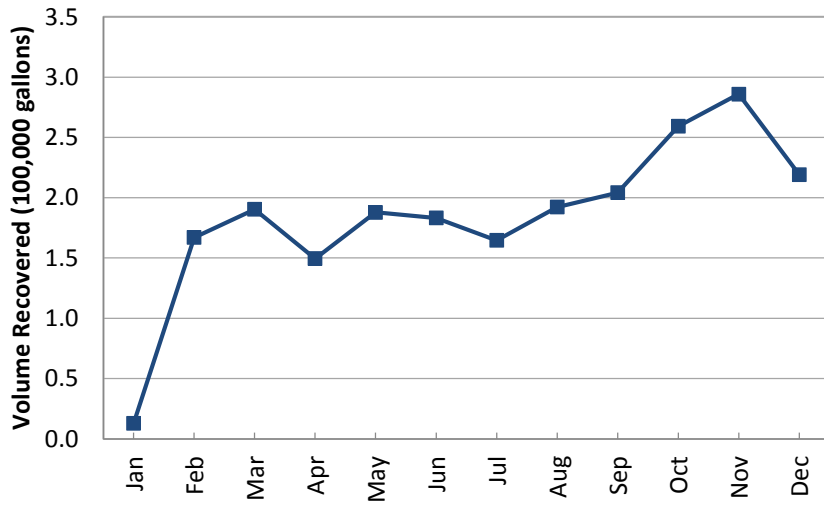
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	20,602
Feb	285,321
Mar	290,276
Apr	218,606
May	283,878
Jun	278,036
Jul	250,229
Aug	286,348
Sep	235,835
Oct	920
Nov	0
Dec	0
Total	2,150,051

PTX06-EW-68

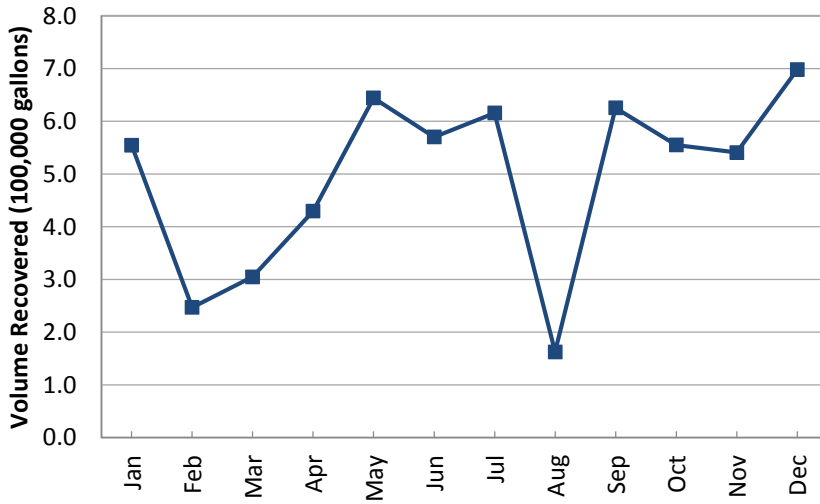
2018 Monthly Groundwater Flow Rate



Month	Volume Recovered (gallons)
Jan	13,033
Feb	167,010
Mar	190,417
Apr	149,533
May	187,805
Jun	183,245
Jul	164,666
Aug	192,244
Sep	204,156
Oct	259,281
Nov	285,992
Dec	219,168
Total	2,216,550

Playa 1 Pump and Treat System
PTX06-EW-69

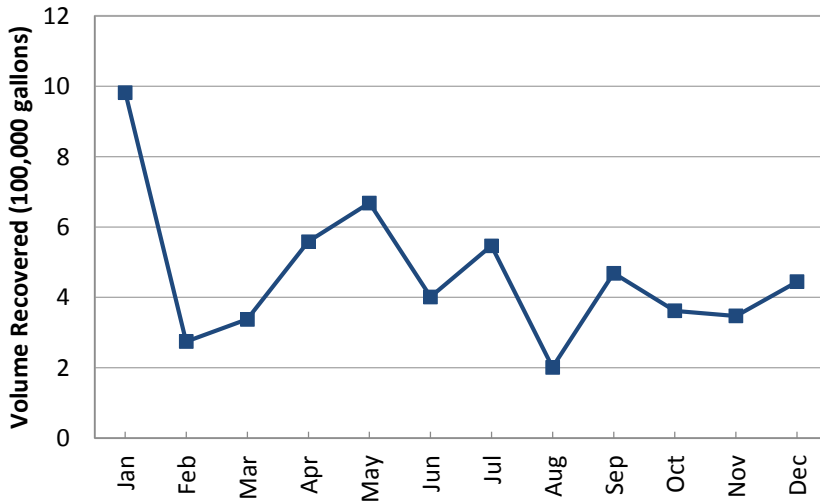
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	554,455
Feb	247,221
Mar	305,108
Apr	429,778
May	644,203
Jun	570,296
Jul	615,916
Aug	162,742
Sep	625,534
Oct	555,238
Nov	540,835
Dec	698,381
Total	5,949,707

PTX06-EW-70

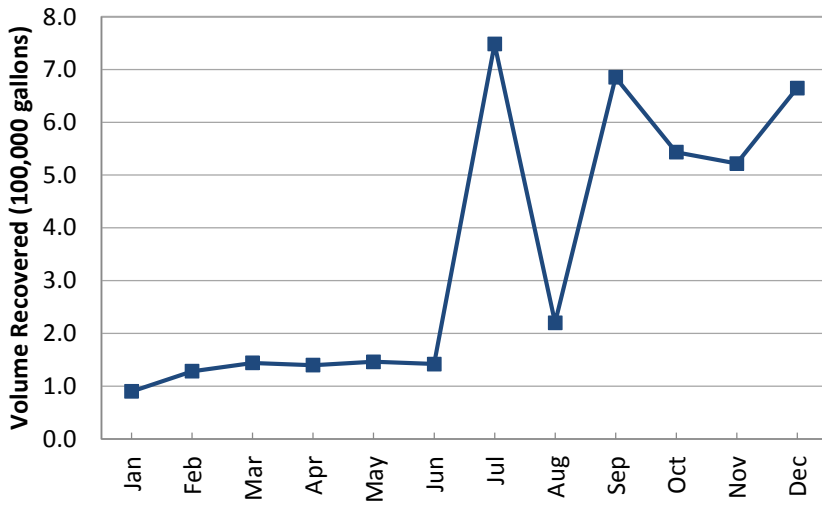
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	982,331
Feb	274,532
Mar	337,757
Apr	558,433
May	668,727
Jun	401,346
Jul	546,991
Aug	201,085
Sep	468,608
Oct	361,557
Nov	347,209
Dec	444,346
Total	5,592,922

PTX06-EW-71

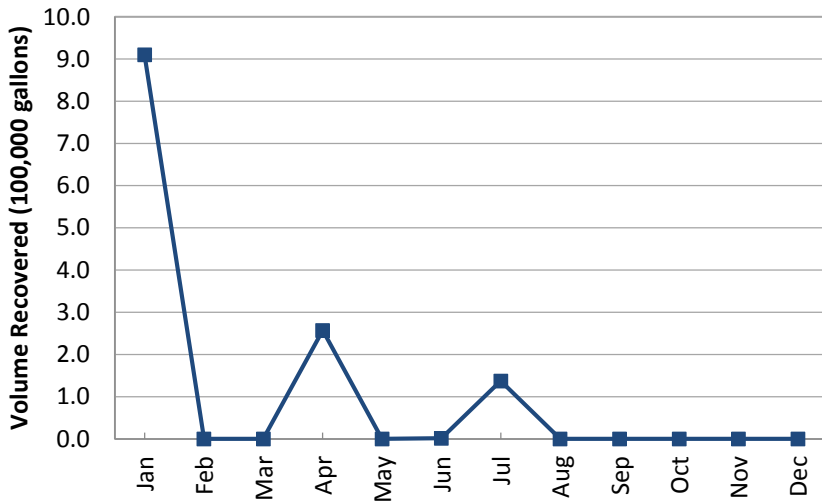
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	90,203
Feb	128,468
Mar	144,210
Apr	139,986
May	146,320
Jun	142,044
Jul	748,618
Aug	220,094
Sep	685,447
Oct	543,721
Nov	522,161
Dec	665,246
Total	4,176,518

PTX06-EW-72

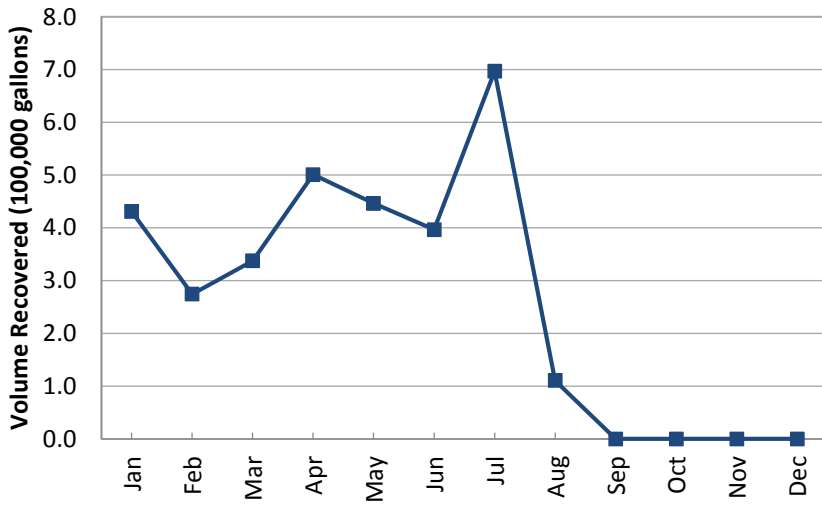
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	910,166
Feb	0
Mar	0
Apr	257,008
May	0
Jun	1,685
Jul	137,326
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
Total	1,306,185

PTX06-EW-73

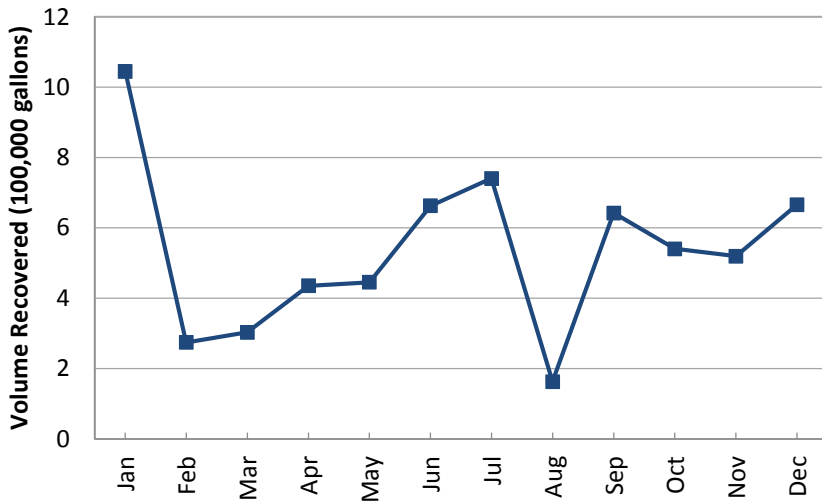
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	430,755
Feb	274,353
Mar	337,594
Apr	500,972
May	446,426
Jun	396,656
Jul	697,121
Aug	110,700
Sep	0
Oct	0
Nov	0
Dec	0
Total	3,194,577

PTX06-EW-74

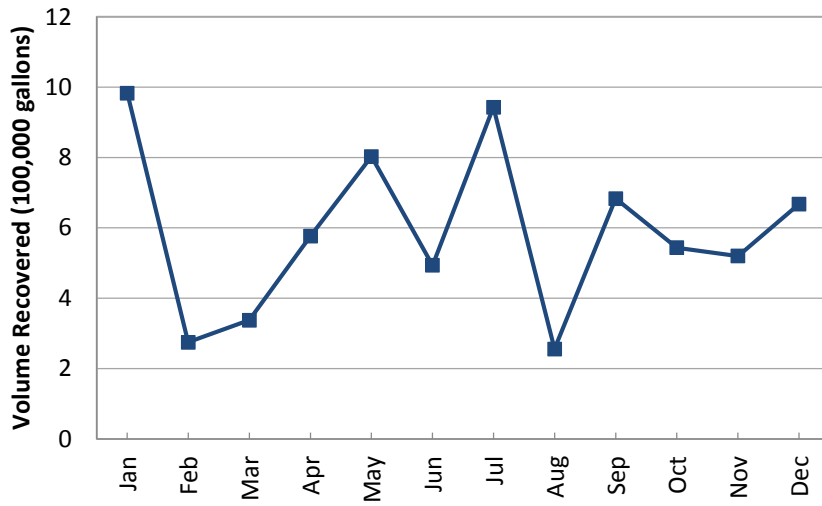
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	1,045,053
Feb	274,615
Mar	302,820
Apr	435,473
May	445,480
Jun	662,744
Jul	740,372
Aug	162,887
Sep	642,412
Oct	540,573
Nov	519,566
Dec	665,964
Total	6,437,959

PTX06-EW-75

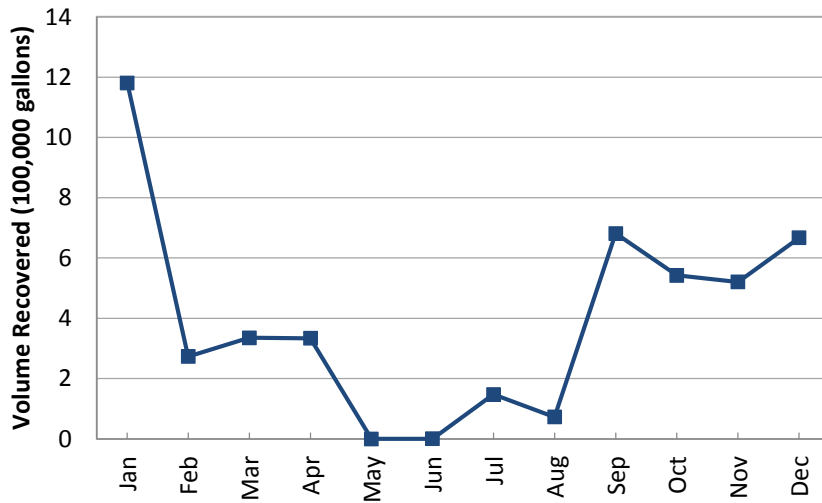
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	983,319
Feb	275,073
Mar	337,585
Apr	576,313
May	802,997
Jun	493,509
Jul	943,429
Aug	255,945
Sep	683,077
Oct	543,394
Nov	519,852
Dec	667,790
Total	7,082,283

PTX06-EW-78A

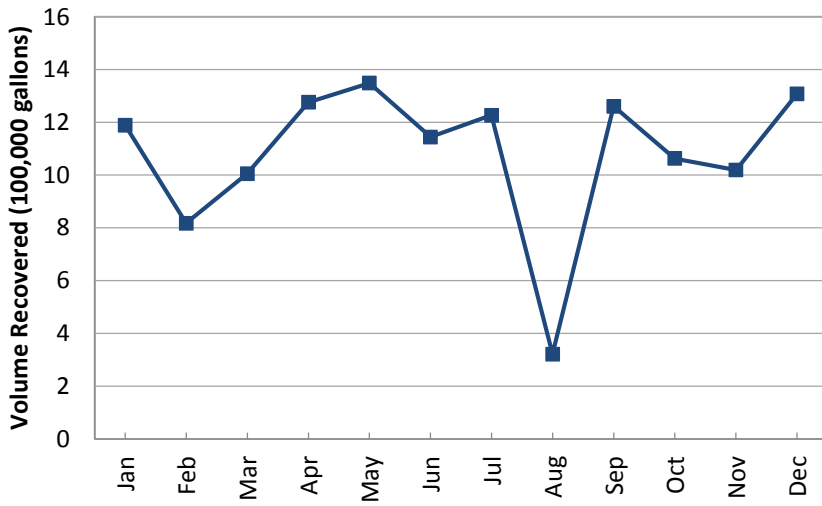
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	1,181,127
Feb	273,597
Mar	335,479
Apr	334,132
May	0
Jun	646
Jul	147,501
Aug	72,750
Sep	681,214
Oct	542,362
Nov	520,521
Dec	667,264
Total	4,756,593

PTX06-EW-79

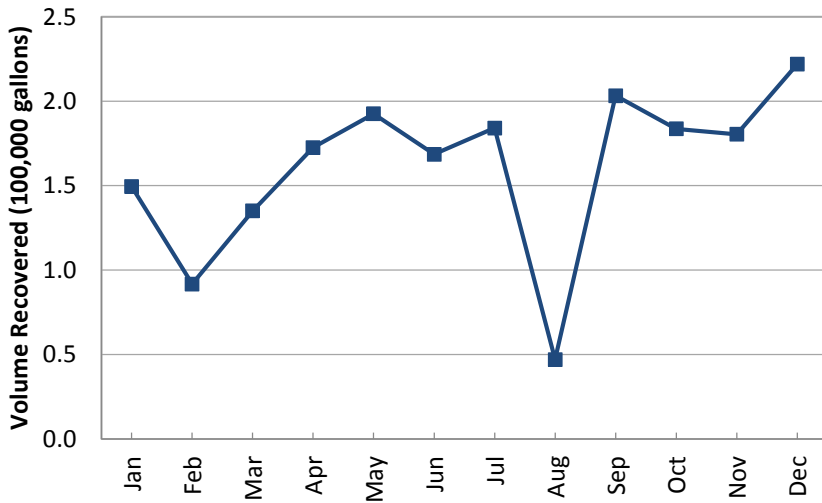
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	1,189,462
Feb	817,451
Mar	1,005,539
Apr	1,276,431
May	1,349,269
Jun	1,145,027
Jul	1,227,392
Aug	321,530
Sep	1,261,586
Oct	1,062,980
Nov	1,019,508
Dec	1,308,793
Total	12,984,968

PTX06-EW-80

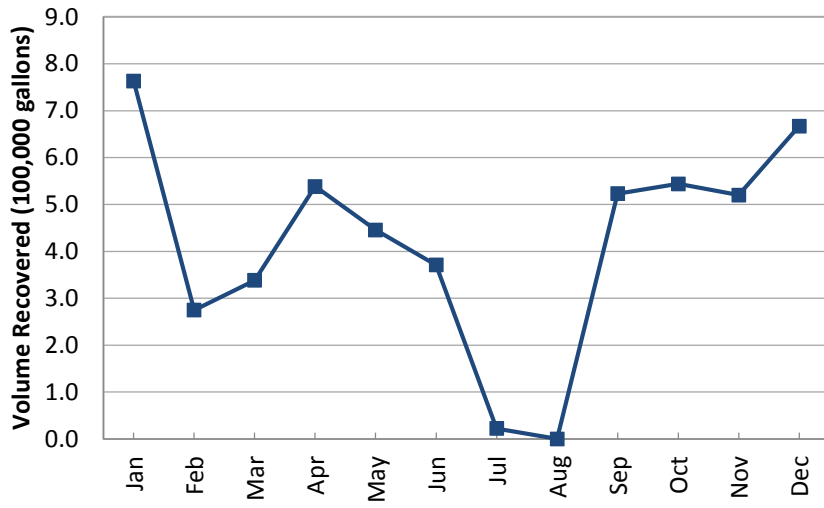
2018 Monthly Groundwater Flow Rate



Volume Recovered (gallons)	
Month	
Jan	149,430
Feb	91,699
Mar	135,065
Apr	172,683
May	192,648
Jun	168,701
Jul	184,202
Aug	46,993
Sep	203,319
Oct	183,719
Nov	180,529
Dec	222,040
Total	1,931,028

PTX06-EW-81

2018 Monthly Groundwater Flow Rate



Volume Recovered	
Month	(gallons)
Jan	762,914
Feb	274,544
Mar	337,951
Apr	538,147
May	445,680
Jun	370,979
Jul	22,301
Aug	0
Sep	523,073
Oct	543,772
Nov	519,733
Dec	667,136
Total	5,006,230

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	Purge Water	Purge Volume (gals)	Comments
PTX06- ISB110	1/3/2018	Well video	278.00	285						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 273.5' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX06- ISB111	1/3/2018	Well video	278.50	284						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 273' btoc. Some obstruction behind the screen above top of water. The filter pack is visible outside the screen below top of water. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX06- ISB112	1/3/2018	Well video	278.60	286						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 275' btoc. The filter pack is visible outside the screen. There appears to be residual sand on the walls of the casing from well development, probably from a bailer or pump leaking as it was removed from the well. This shouldn't be a problem in the well. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06- ISB113	1/3/2018	Well video	278.80	289						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 278' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX06- ISB118	1/3/2018	Well video	280.50	285						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 273.5' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX06- ISB108	1/4/2018	Well video	277.50	285						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 274' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX06- ISB109	1/4/2018	Well video	277.70	285						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 274' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06- ISB114	1/4/2018	Well video	279.10	286						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 274' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX06- ISB115	1/4/2018	Well video	279.50	286						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 276' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX06- ISB117	1/4/2018	Well video	280.10	285						Performed well video, TD and top of water measurements for well acceptance purposes on new ISB well. This well has 4" stainless steel casing and screened section. The top of screen is at 274.5' btoc. The filter pack is visible outside the screen. The casing and screen are in good condition. The sump is clean with a small amount of sand on bottom. The well pad completion is good. CAMERA 1 USED
PTX01-1013	1/9/2018	Bennett pump service	512.10	867	568		568.0	Ditch	3	Installed dedicated tubing bundle and Bennett pump with lower diverter in well. Pumped 3 gallons of water from the well. Pumping good.
PTX06- ISB111	1/29/2018	Well video	278.70	284						Post redevelopment acceptance video. This well is located in the southeast lobe ISB field. This well has 4" stainless steel casing and screened section. The casing and screen are clean and in good condition. The sump is clean.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06- ISB119	1/29/2018	Well video	280.80	283						Post redevelopment acceptance video. This well is located in the southeast lobe ISB field. This well has 4" stainless steel casing and screened section. The casing is in good condition. Observed green tape adhered to inside of the screened section above top of water. No tape was observed below top of water. Otherwise, the screen and sump are clean.
PTX06- ISB125	1/29/2018	Well video	282.20	293						Post redevelopment acceptance video. This well is located in the southeast lobe ISB field. This well has 4" stainless steel casing and screened section. Observed pvc shavings in the casing and screened section. Observed red sand infiltration toward bottom of the screened section. The sump is clean. The pvc shavings seen in the video probably came off the pvc tubing installed in the well during well redevelopment.
PTX06- ISB130	1/29/2018	Well video	283.00	291						Post redevelopment acceptance video. This well is located in the southeast lobe ISB field. This well has 4" stainless steel casing and screened section. The casing, screened section and sump are clean and in good condition.
PTX06-EW-82	1/30/2018	Brass tag replaced	284.10	301						The well location ID for PTX06-EW-82 is in the process of being changed to PTX06-1198. Restamped brass tag in the well pad to reflect this change. Also obtained top of water and TD measurements for future reference.
PTX06- ISB107	1/30/2018	Brass tag replaced								The location ID has been changed from PTX06-1186 to PTX06-ISB107. Restamped brass tag in well pad to reflect this change.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1030	2/1/2018	Bennett pump service, Other		288						This well has gone dry. Pulled dedicated tubing bundle, Bennett pump and drop tube out of well. The well was dry and the TD was 290' btoc. Plugged back TD from 290' btoc to 287.5' btoc with 3/8" bentonite chips. Hydrated bentonite with 3 gallons of water. Today's activities were done in an effort to seal off the bottom of the sump. The top of water level will be monitored periodically to determine if water is still being produced by the formation and not being lost out of the sump bottom.
PTX06-EW-83	2/7/2018	Re-development	284.50	302				16-28 P&T	160	Conducted tailgate safety briefing and daily rig/location checks. Rigged up and ran surge block/brushing tool to brush screened section. Bailing dark brown water which cleaned up to light brown cloudy water. Repeated brushing and bailing two more times. Both times the water was light brown and cloudy. After the last round of brushing the screened section, the water eventually cleaned up well. The top of water level lowered ~ 6' while bailing on the well.
PTX06-EW-84	2/8/2018	Re-development	284.10	303				16-28 P&T	225	Conducted tailgate safety briefing and daily rig/location checks. Rigged up and brushed screened section with surge/brushing tool. Bailing brown colored water which cleaned up to light brown and cloudy. Repeated surging/brushing and bailing 3 times. Each time, water cleaned up and wasn't as dark in color. The top of water level lowered ~ 3' while bailing.
PTX06-1191	2/12/2018	Well video	281.30	295						Performed well acceptance video, top of water and TD measurements. Well has 4" PVC casing and screened section in good condition. Water is cloudy the first ~ 1' below top of water then clears up and the sump is clean.

Location	Work Date	Activity	Water Level Measurement (ft btoe)	Total Depth Measurement (ft btoe)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1192	2/12/2018	Well video	280.80	296						Performed well acceptance video, top of water and TD measurements. Well has 4" PVC casing and screened section in good condition. Water is cloudy the first ~ 1' below top of water then clears up and the sump is clean.
PTX06-1193	2/12/2018	Well video		271						Performed well acceptance video, top of water and TD measurements. Well has 4" PVC casing and screened section in good condition. The well is dry and the sump is clean.
PTX06-1194	2/12/2018	Well video	279.40	282						Performed well acceptance video, top of water and TD measurements. Well has 4" PVC casing and screened section in good condition with some mude noted in screen above top of water. Water is clear and the sump is clean.
PTX06-1195	2/12/2018	Well video	284.20	293						Performed well acceptance video, top of water and TD measurements. Well has 4" PVC casing and screened section in good condition. Water is clean and the sump is clean.
PTX06-1030	2/14/2018	Well video								Well video to assess well condition. This well was plugged back 2' from TD to ensure bottom of the sump is not leaking. The well is dry with no evidence of water entering the well. The screen appears completely plugged from outside the well. The well has gone dry and possible in addition the filter pack has been compromised.
PTX06-EW-83	2/14/2018	Well video								Well video to assess well condition post redevelopment. Well has 6" pvc casing and 6" stainless steel screen. Observed iron bacteria in screened section, light to heavy toward bottom of the screen. The sump is clean. More redevelopment required.
PTX06-EW-84	2/14/2018	Well video								Well video to assess well condition post redevelopment. Well has 6" pvc casing and 6" stainless steel screen. Observed light iron bacteria throughout screened section. The sump is clean. More redevelopment required.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-EW-88	2/26/2018	Re-development	283.70	304				16-28 P&T	300	Conducted tailgate safety briefing and daily rig/location checks. Rigged up on well and began surging screened section and bailing. After surging, the water was red in color with light amounts of sand suspended in it. Repeated surging and bailing throughout the day. After the last run with the surge block, the water was cloudy with very little red color. Bailed until the water was fairly clean.
PTX06-EW-82	2/28/2018	Measurements	284.10	301						This well has been reclassified as a monitor well and the location code is now PTX06-1198. Obtained water level and TD measurements per WMR.
PTX06-EW-87	2/28/2018	Re-development	283.90	304				16-28 P&T	300	Conducted tailgate safety briefing and daily rig/location checks. Rigged up and began surging screened section and bailing. The water was light red in color after surging but cleaned up quickly. Repeated surging/bailing several times. The last few times the well was surged the water remained clean.
PTX06-1181	3/1/2018	Bennett pump service	274.80	299	274	6.0	280.0	16-28 P&T	3	Installed dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 3 gallons of water from the well. Good pump action was observed.
PTX06-1185	3/1/2018	Bennett pump service	280.00	286	279	5.5	284.5	16-28 P&T	3	Installed dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 3 gallons of water from the well. Good pump action was observed.
PTX06-1190	3/1/2018	Bennett pump service	282.40	290	281	6.0	287.0	16-28 P&T	3	Installed dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 3 gallons of water from the well. Good pump action was observed.
PTX06-1046	3/13/2018	Bennett pump service								Pulled dedicated tubing bundle, Bennett pump and drop tube in prep for contractor to repair damaged well head.
PTX06-1047A	3/13/2018	Bennett pump service								Pulled dedicated tubing bundle, Bennett pump and drop tube in prep for contractor to repair damaged well head.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1158	3/20/2018	Tested PFM		285						Deployed 'Dummy' Passive Flux Meter (PFM) in this well to establish installation and removal of the PFM in prep for actual PFM deployment in specified wells. Activities on WMR 2018-007 are associated with SRS 2018-4992-018 PFM Deployment and sampling.
PTX06-EW-87	3/22/2018	Well video								Conducted post redevelopment video to assess well and screen condition. Well has 6" pvc casing and 6" stainless steel screen. The casing is in good condition. The screen is clean with extremely light amounts of iron bacteria observed. The sump is clean.
PTX06-EW-88	3/22/2018	Well video								Conducted post redevelopment video to assess well and screen condition. Well has 6" pvc casing and 6" stainless steel screen. The casing is in good condition. The screen has moderate amounts of iron bacteria deposits throughout the screened section with the heaviest deposits toward bottom of the screen. The sump is clean. NOTE - The date on the video is incorrect as 20180323. Clifton Britten observing.
PTX06-1034	3/26/2018	Bennett pump service	282.70	296		6.0				Pulled dedicated tubing bundle, Bennett pump and drop tube in prep for SRS 2018-4992-018.
PTX06-1147	3/26/2018	Bennett pump service	283.90	300		7.5				Pulled dedicated tubing bundle, Bennett pump and drop tube in prep for SRS 2018-4992-018.
PTX06-1182	3/26/2018	Bennett pump service	277.10	286		5.5				Pulled dedicated tubing bundle, Bennett pump and drop tube in prep for SRS 2018-4992-018.
PTX06-1185	3/26/2018	Bennett pump service	279.70	286		5.5				Pulled dedicated tubing bundle, Bennett pump and drop tube in prep for SRS 2018-4992-018.
PTX06-1182	4/9/2018	Installed PFM	277.30	285						Installed Passive Flux Meter (PFM-5) in well per SRS 2018-4992-018 instructions. Top of PFM set at 278.5' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1185	4/9/2018	Installed PFM	279.90	286						Installed Passive Flux Meter (PFM-2) in well per SRS 2018-4992-018 instructions. Top of PFM set at 279.9' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth. Clifton Britten, Michelle Jarrett, and Eric Sandifer were present during PFM installation in this well. Eric taking photos of the PFM installation process.
PTX06- ISB107	4/9/2018	Installed PFM	277.20	285						Installed Passive Flux Meter (PFM-6) in well per SRS 2018-4992-018 instructions. Top of PFM set at 278' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth. Clifton Britten was present during PFM installation at this well.
PTX06- ISB124	4/9/2018	Installed PFM	282.00	292						Installed Passive Flux Meter (PFM-1) in well per SRS 2018-4992-018 instructions. Top of PFM set at 283.5' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth.
PTX06-1034	4/10/2018	Installed PFM	282.90	296						Installed Passive Flux Meter (PFM-3) in well per SRS 2018-4992-018 instructions. Top of PFM set at 283.3' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1147	4/10/2018	Installed PFM	283.90	301						Installed Passive Flux Meter (PFM-4) in well per SRS 2018-4992-018 instructions. Top of PFM set at 288' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth.
PTX06-EW-87	4/10/2018	Installed PFM	284.20	304						Installed Passive Flux Meter (PFM-7) in well per SRS 2018-4992-018 instructions. Top of PFM set at 288' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth.
PTX06-EW-88	4/10/2018	Installed PFM	283.70	304						Installed Passive Flux Meter (PFM-8) in well per SRS 2018-4992-018 instructions. Top of PFM set at 287' btoc. The Hunke pump hoist was used to lower the PFM inside the well casing from the protector sleeve, then the Bennett power reel was used to lower the PFM to specified setting depth on cable previously cut to specified length to obtain required setting depth.
PTX06-1034	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.
PTX06-1147	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.
PTX06-1182	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.
PTX06-1185	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-EW-87	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.
PTX06-EW-88	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.
PTX06- ISB107	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.
PTX06- ISB124	4/23/2018	PFM removal								Pulled PFM out of well per SRS 2018-4992-018. Placed the PFM in its protector sleeve and stored in Kilgore walk in cooler.
PTX06-1034	4/26/2018	Bennett pump service	282.70	296				16-28 P&T	2	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 2 gallons of water from well. Pumping good.
PTX06-1147	4/26/2018	Bennett pump service	283.90	300				16-28 P&T	2	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 2 gallons of water from well. Pumping good.
PTX06-1182	4/26/2018	Bennett pump service	277.00	286				16-28 P&T	2	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 2 gallons of water from well. Pumping good.
PTX06-1185	4/26/2018	Bennett pump service	279.70	286				16-28 P&T	2	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 2 gallons of water from well. Pumping good.
PTX06-1046	5/1/2018	Misc. maintenance								Contractor has poured new cement pad around protector casing due to original pad being covered with dirt for construction. Stamped new brass tag with well location ID.
PTX06-1047A	5/1/2018	Misc. maintenance								Contractor has poured new cement pad around protector casing due to original pad being covered with dirt for construction. Stamped new brass tag with well location ID.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1094	5/1/2018	Misc. maintenance								Contractor has poured new cement pad around protector casing due to original pad being covered with dirt for construction. Stamped new brass tag with well location ID. On 5/2/18 took GPS measurement of brass tag.
PTX06-1120	5/1/2018	Misc. maintenance								The damaged protector casing has been repaired by contractor. Added filter sand between protector casing and inner casing. Installed locking cap on protector casing with lock and seal.
PTX06-1125	5/1/2018	Misc. maintenance								Contractor has poured new cement pad around protector casing due to original pad being covered with dirt for construction. Stamped new brass tag with well location ID. On 5/2/18 took GPS measurement of brass tag.
PTX06-1046	5/2/2018	Bennett pump service, Misc. maintenance			278	11.0	289.0	16-28 P&T	2	The top of casing was recently raised by contractors. Calculated new pump intake depth. Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 2 gallons of water from the well. Pumping good. Took GPS measurements of brass tag and top of casing measurements.
PTX06-1047A	5/2/2018	Bennett pump service, Misc. maintenance	281.80	290	278	9.5	287.5	16-28 P&T	2	The top of casing was recently raised by contractors. Calculated new pump intake depth. Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 2 gallons of water from the well. Pumping good. The pump intake is set 6" above top of sump. Took GPS measurements of brass tag and top of casing measurements.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1030	5/8/2018	Well video		288						Well video to assess casing condition after farm tractor destroyed the well head. This well has 4" stainless steel casing and screened section. The top of the casing appears to be bent toward the west and a possible kink in the casing is observed at approximately 3' below top of casing. No more damage to the casing was noted. Continued the video to bottom of the well to inspect the sump. Grout was placed in the sump in February 2018. The grout is still in place and no moisture was evident in the screened section or sump. The well is dry. Observed 2 pieces of the well locking cap ring on bottom of the well. The locking cap and ring were destroyed when the tractor hit the well head and these pieces fell down the casing. The tubing bundle is not installed in this well.
PTX06-1121	5/8/2018	Well video		280						Well video to assess casing condition. The bollards around the well were struck by dirt work equipment during construction activities. No damage to the casing was noted. The well has 4" pvc casing and 4" stainless steel screen. The casing is in good condition. The Screened section is clean at top of screen with moderate iron bacteria present near bottom of the screen. The sump is clean.
PTX06-EW-83	5/14/2018	Re-development	284.40	302				16-28 P&T	50	Conducted tailgate safety briefing and daily tailgate safety briefing. Rigged up and began surging/brushing screened section then bailing. Water was light brown in color. Bailed 50 gallons. Top of water lowered to 295.4' btoc - 11' drop.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1120	5/17/2018	Bennett pump service, Well video	280.80	285						The purpose of today's activities at this well are to inspect top 20' of the inner casing for damage when the outer casing was damaged by construction equipment and also for general well inspection purposes. Pulled dedicated tubing bundle, Bennett pump and drop tube. Performed well video. No damage to the casing was noted in the inner casing. This well has 4" pvc casing and stainless steel screen. The casing and screen are in fair condition with light to moderate iron bacteria noted near bottom of the screened section. The 3' sump is clean. Well has 1.2' of water above top of sump. Re-installed tubing bundle, Bennett pump and drop tube.
PTX06-EW-84	5/21/2018	Re-development						16-28 P&T	100	Conducted tailgate safety briefing and daily rig/location checks. Rigged up and began surging/brushing screened section and bailing. Water is light brown after bailing and cleans up quickly. Safety representatives Shane Feagan, Bret Fry and Gary Phillips observing well redevelopment activities for approximately an hour this morning.
PTX06-EW-85	5/21/2018	Re-development	284.10	302				16-28 P&T	150	Conducted rig/location checks. Rigged up and began surging/brushing screened section. Water is light brown in color after bailing but cleans up quickly. Repeated this process 3 times.
PTX06-EW-85	5/22/2018	Re-development						16-28 P&T	50	Conducted tailgate safety briefing and rig/location checks. Rigged up and ran surge block/brushing tool then bailing. The water was cloudy but cleaned up quickly.
PTX06-EW-86	5/22/2018	Re-development	283.90	302				16-28 P&T	250	Conducted rig/location checks. Rigged up and surged/brushed screen section and bailing. The water was red in color with suspended sand. Repeated surging and bailing 3 times. After the last run with the surge block the water was cloudy and cleaned up quickly.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1195	5/23/2018	Bennett pump service	284.00	293	284	6.0	290.0	16-28 P&T	3	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 3 gallons of water from the well. Pumping good with strong pump action.
PTX06- ISB069A	6/4/2018	Well video								Conducted well video to assess well screen condition per WMR. This well has 4" pvc casing and 4" stainless steel screened section. The interface joint between the casing and screen is busted out and the screen is completely separated from the casing. Heavy amendment noted in the screen. Stopped recording at 268' btoc.
PTX06- ISB073	6/4/2018	Well video								Performed well video to assess casing and screen condition per WMR. This well has 4" stainless steel casing and screened section. No structural issues noted with the screen and casing. The screen above top of water is plugged with amendment. The water is opaque brown. The camera was not lowered into the water as visibility would have been zero.
PTX06-EW-16	6/14/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted /location checks. Pulled 13 joints of 1 1/4" X 20' pvc tubing, 1 - 1 1/4" X 8' pvc sub and submersible pump. Wendell Weaver assisting.
PTX06-EW-17	6/14/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted tailgate safety briefing and rig/location checks. Pulled 13 joints of 1 1/4" X 20' pvc tubing, 1 - 1 1/4" X 9' pvc sub and submersible pump. Wendell Weaver assisting.
PTX06-EW-18	6/14/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted tailgate safety briefing and rig/location checks. Pulled 13 joints of 1 1/4" X 20' pvc tubing, 1 - 1 1/4" X 9' pvc sub and submersible pump. Wendell Weaver assisting.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-EW-3	6/14/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted location checks. Pulled 13 joints of 1 1/4" X 20' pvc tubing, 1 - 1 1/4" X 13 1/2' pvc sub and submersible pump. Wendell Weaver assisting.
PTX06-EW-48	6/15/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted tailgate safety briefing and rig/location checks. Pulled 14 joints of 1 1/4" X 20' pvc tubing, 1 - 1 1/4" X 1 1/2' pvc sub and submersible pump. Wendell Weaver assisting.
PTX06-EW-56	6/15/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted location checks. Pulled 14 joints of 1 1/4" X 20' pvc tubing, 1 - 1 1/4" X 9' pvc sub and submersible pump. Wendell Weaver assisting.
PTX06-EW-12	6/18/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted location checks. Pulled 13 joints of 1 1/4" X 20' pvc tubing, 1 - 1 1/4" X 13'7" pvc sub and submersible pump. Wendell Weaver assisting.
PTX06-EW-41	6/18/2018	Extraction well service								Verified LOTO and air-gap are in place. Placed LOTO locks on lock box. Conducted tailgate safety briefing and rig/location checks. Pulled 14 joints of 1 1/4" X 20' pvc tubing and submersible pump. Wendell Weaver assisting.
PTX06-EW-3	6/27/2018	Well video	271.00	283						Confirm LOTO/Air gap in place. Placed LOTO locks on red box. Performed well video per WMR and for well inspection purposes. This well has 6" stainless steel casing and screen. The casing and screen are in fair condition with some black staining and pitting noted in the screen. The sump appears to be full of scale and sand.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-EW-41	6/28/2018	(1) Well video	274.00	287						Confirmed LOTO/Air gap in place. LOTO locks placed on LOTO box. Performed well video per WMR. This well has 5" pvc casing and 5" stainless steel screen. The casing and screen are in fair condition. The casing joint at 205' btoc is not threaded together completely. Observed some sand infiltration in the screened section. The sump is ~ half full of sand.
PTX06-EW-88	6/28/2018	Misc. maintenance	280.20	301						This well is located offsite east and is in the process of being converted to EW vault configuration. During well pad removal the casing was broken off below ground level. Obtained top of water, total depth and top of casing elevation as requested by Michelle Jarrett.
PTX06-EW-12	6/29/2018	Well video	273.50	282						Verify LOTO and air gap in place. LOTO lock on red box. Well video per WMR for well inspection purposes. Well has 6" stainless steel casing and screened section. The casing is in fair condition. Observed what appeared to be mud or grout in the casing below 179' below top of casing but couldn't find the source. The screen is dark stained below top of water and the down hole view below topo of water is dark. The water is probably dark gray in color. The sump is fairly clean. Observed carbon on the camera when it was removed from the well.
PTX06-EW-48	6/29/2018	Well video	274.20	287						Verify LOTO and air gap in place. LOTO lock on red box. Well video per WMR for well inspection purposes. Well has 5" pvc casing and stainless steel screened section. The casing is in good condition. The screen has light iron bacteria and staining in the screen above top of water. Below top of water light to moderate iron bacteria and scale. The sump appears to be about half full of sand.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-EW-56	6/29/2018	Well video	272.60	294						Verify LOTO and air gap in place. LOTO lock on red box. Well video per WMR for well inspection purposes. Well has 5" pvc casing and stainless steel screen. The casing is in fair condition and the screen has moderate to heavy iron bacteria and sand. The top of water is 5' above top of the screen. The sump is full of sand into the lower screen area.
PTX06-EW-16	7/2/2018	Well video	263.50	279						Verified LOTO/Air gap in place. LOTO locks placed on LOTO box. This well video is done per WMR for well inspection purposes. Well has 6" black pvc casing and 6" stainless steel screen. The casing is in fair condition and the screen has light amounts of iron bacteria present above top of water. Below top of water the iron bacteria is very heavy in the screen. The sump is clean.
PTX06-EW-17	7/2/2018	Well video	262.30	278						Verified LOTO/Air gap in place. LOTO locks placed on LOTO box. This well video is done per WMR for well inspection purposes. Well has 6" black pvc casing and 6" stainless steel screen. Below top of water the iron bacteria and sand is heavy in the screen. The sump is clean.
PTX06-EW-18	7/3/2018	Well video	260.00	278						Verified LOTO/Air gap in place. LOTO locks placed on LOTO box. This well video is done per WMR for well inspection purposes. Well has 6" black pvc casing and 6" stainless steel screen. Observed dried mud in bottom ~ 50' of casing. Dried mud in screen above top of water. Heavy sand in screen below top of water. The sump is clean.
PTX06-EW-16	7/10/2018	Re-development						16-28 P&T	325	Verified LOTO/Air gap in place. Placed LOTO locks on lockbox. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and ran surge block to surge/brush screened section. Bailing dark brown water with significant sand. After the water clears up and sand is cleaned out treated surging and bailing 2 more times. Continued bailing to clean up water column.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-EW-56	7/11/2018	Re-development						16-28 P&T	250	Verified LOTO/Air gap in place. Placed LOTO locks on lockbox. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and ran surge block to surge/brush screened section. Bailing light brown water with light amounts of sand. Water cleaned up quickly and stopped getting sand after first round of surging. Repeated surging and bailing twice more. The last time the water remained fairly clean after surging.
PTX06-EW-3	7/12/2018	Re-development						16-28 P&T	30	Verified LOTO/Air gap in place. Placed LOTO locks on lockbox. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and ran surge block to surge/brush screened section. The sump in this well is full of sand. Bailing heavy amounts of fine sand that are difficult to empty out of the 3 1/2" bailer. Shut down to prep 3" sand pump for use to clean out the sump.
PTX06-EW-3	7/19/2018	Re-development		283				16-28 P&T	100	Verified LOTO/Air gap in place. LOTO locks placed on red box. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and ran sand pump in the well numerous times. Unable to get sand in sandpump. Getting light to none sand in bailer. Researched and discovered that well has < 1' sump instead of 5' sump as originally thought. Well is clean and ready to install the submersible pump.
PTX06-1007	7/23/2018	Bennett pump service	270.40	293				16-28 P&T	5	Pump wouldn't move water for sampling techs. Pulled dedicated tubing bundle, Bennett pump and drop tube. Replaced pump # 1808-140 with pump # 1806B-790. Tested pump - good pump action. Re-installed dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 5 gallons of water from the 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	Purge Water	Purge Volume (gals)	Comments
PTX06-1015	7/23/2018	Bennett pump service	285.00	289			288.0	16-28 P&T	3.5	Well stopped pumping during sampling activities. Drove to location and attempted to pump, no pump action. Pulled dedicated tubing bundle, Bennett pump and drop tube. Replaced pump # 1806-482 with 1808-347. Pumped DI water through pump prior to reinstalling the tubing bundle in the well, pumped good. Installed tubing bundle, pump and drop tube in well and pumped approximately 3 1/2 gallons of water. Stopped pumping. Ran solinst water level meter and top of water was at 287.9'. The intake is set at 288' btoc which is top of sump. Summer intern Bobby McCauley with techs observing activities.
PTX06-1164	7/25/2018	Bennett pump service								Today's activities at this well are for well maintenance support of SRS 2018-4992-030. Pulled dedicated tubing bundle, Bennett pump and drop tube out of the well. Installed 14 joints of 1 1/4" X 20' pvc tubing and submersible pump in well. Pump intake is set at 283' btoc per instructions from M. Jarrett.
PTX06-1191	7/27/2018	Bennett pump service	281.30	295	281	6.0	287.0			Installed new dedicated tubing bundle, Bennett pump and drop tube in well. Applied stencil to protector pipe. John Morgan assisting.
PTX06-1192	7/27/2018	Bennett pump service	281.00	296	280	6.0	286.0			Installed new dedicated tubing bundle, Bennett pump and drop tube in well. Applied stencil to protector pipe. John Morgan assisting.
PTX06-1193	7/27/2018	Misc. maintenance								Applied stencil to well protector pipe. John Morgan assisting.
PTX06-1194	7/27/2018	Bennett pump service	279.40	282	279	1.5	280.5			Installed new dedicated tubing bundle, Bennett pump and drop tube in well. Applied stencil to protector pipe. John Morgan assisting.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1051	7/31/2018	Well video	293.00	295						Performed well video of the well screened section only to investigate water entering the well. This well is a historically dry well until the last two years. This well has 4" pvc casing and screened section. Observed moisture in the screen starting at ~ 288' btoc and gradually getting heavier as the camera went deeper into the well. The moisture observed was never a "flow" of water, more like a condensation type of moisture. Observed possible cracks in the screen especially around 292' btoc. The sump is half full of debris. The well has a 1.5' water level.
PTX06-1196	8/10/2018	Well video	281.90	294						Intital baseline video for new well. 4" pvc casing with 20' joints appear to be in good condition. Screen is pvc-top of screen is approx 278.1'. Screen is in good condition, with some sand patches toward the bottom. Water is cloudy then clears. Sump appears to be full of sand.
PTX06-1197	8/10/2018	Well video	281.40	291						Intital baseline video for new well. 4" pvc casing with 20' joints appear to be in good condition. Screen is pvc-top of screen is approx 273.4'. Screen is in good condition, water is cloudy then clears. Sump appears to have approx 1' sand.
PTX06-1199	8/10/2018	Well video	282.70	294						Intital baseline video for new well. 4" pvc casing with 20' joints appear to be in good condition. Screen is pvc-top of screen is approx 278.6'. Screen is in good condition. Sump appears to have approx 1' sand.
PTX06-EW-41	8/21/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Rigged up and installed submersible pump and 14 joints of 1 1/4" X 20' pvc tubing. Installed transducer also. Assisted by Wendell Weaver and Aaron Duck.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-EW-3	8/22/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Rigged up and installed submersible pump and 13 joints of 1 1/4" X 20' pvc tubing, 1 - 16' sub and 1 - 2 1/2'Sub. Pump was lowered 5' lower than previous setting. Installed transducer also. Assisted by Wendell Weaver and Aaron Duck.
PTX06-EW-48	8/23/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and installed submersible pump. Assisted by Wendell Weaver.
PTX06-EW-12	8/27/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and installed submersible pump. Assisted by Wendell Weaver.
PTX06-EW-56	8/27/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Conducted location checks. Rigged up and installed submersible pump. Assisted by Wendell Weaver.
PTX06-EW-16	8/28/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and installed submersible pump. Assisted by Wendell Weaver.
PTX06-EW-17	8/29/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and installed submersible pump. Assisted by Wendell Weaver.
PTX06-EW-18	8/29/2018	Extraction well service								Verified LOTO/air gap in place. LOTO locks placed on lock box. Conducted location checks. Rigged up and installed submersible pump. Assisted by Wendell Weaver.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1164	9/5/2018	Bennett pump service						Haz 16-16		Today's well maintenance activities are conducted in support of SRS 2018-4992-030. Conducted tailgate safety briefing and daily rig/location checks. Pulled submersible pump out of well and installed dedicated tubing bundle in well. Moved all equipment off location. Aaron Duck assisting.
PTX06-1117	9/10/2018	Re-development	236.10	263				16-28 P&T	400	Conducted tailgate safety briefing and daily rig/location checks. Rigged up and began bailing. Water was dark red sandy. Bailed until water began cleaning up then began surging/brushing and bailing. After each round of surging, the water was cleaner than before. Bailed well clean to finish out the day.
PTX06-1117	9/11/2018	Re-development						16-28 P&T	100	Conducted tailgate safety briefing and daily rig/location checks. Rigged up and bailed 100 gallons. Water is clean and clear. Ready for post redevelopment video.
PTX06-1128	9/11/2018	Re-development	228.30	243				16-28 P&T	30	Conducted locatin checks. Rigged up and began bailing. Bailed ~ 30 gallons of water, lowered top of water to 240' btoc (3' standing water). Shut down 1 hour to allow well to recharge. Recharge was to 239.8' btoc (.2'). Rigged down and left location. Will return later to check water level with Solinst meter. Waited 3 hours and ran solinst. Recharge was to 238.5' (1.5'). Will let well recharge overnight and return to check recharge then.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1048A	9/12/2018	Bennett pump service	237.50	245	237	6.5	243.5			Pulled old 1/2" dedicated tubing bundle, Bennett pump and drop tube out of well. Installed 1/4" dedicated tubing bundle, Bennett pump and drop tube in well. This well has been going dry during the micro-purge when sampling was attempted. The smaller tubing bundle with the lower purge amount should allow this well to be sampled in the future. The sample intake is set 6" above bottom of the screened section and is 6' below top of water. The 1/4" tubing bundle that is now in this well was previously installed in PTX06-1030.
PTX06-1128	9/17/2018	Re-development	229.00	243				16-28 P&T	25	Conducted tailgate safety briefing and daily rig/location checks. Rigged up and ran surge block. Surged portion of screened section covered by water. Bailed ~ 25 gallons of light red cloudy water. Well dried up to 240.4' btoc. Shut down one hour to check recharge rate. Top of water had recharged to 239.5' btoc (0.9' recharge). Poured 30 gallons of water down casing. The formation took the water poured into the well. Top of water was 240.5'. This indicates that the screen isn't plugged and is open and also, the water bearing formation is weak with not much water available.
PTX06-1117	9/18/2018	Well video	236.10	263						Today's well video is done for post well redevelopment inspection purposes. Well has 6" pvc casing and 6" stainless steel screen. The casing is in good condition. Moderate iron bacteria was observed in the screen above top of water. The iron bacteria is light below top of water and becoming heavier to heavy toward the bottom of the screen. There appears to be sand up to bottom of the screen. According to the well lithologic log this well has a 6" 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	Purge Water	Purge Volume (gals)	Comments
PTX06-1129	9/18/2018	Re-development	232.80	213				16-28 P&T	20	Today's activities at this well are to determine if well bails dry and recharge rate. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and bailed ~ 20 gallons of red colored water. The well dried up. Top of water was at 241' btoc. Shut down 30 minutes to check recharge rate. Water was recharged to 240.4' btoc (.6'). Checked recharge an hour later, top of water was at 239.4' btoc (1.6' total recharge).
PTX06-1046	9/19/2018	Bennett pump service	283.50	295						Pulled dedicated tubing bundle, Bennett pump and drop tube per WMR instructions. Martin Amos, Neil Mock and Eric Sandifer on location performing safety observation.
PTX06-1147	9/19/2018	Bennett pump service	284.20	300						Pulled dedicated tubing bundle, Bennett pump and drop tube per WMR instructions.
PTX06-1192	9/19/2018	Bennett pump service	281.00	296						Pulled dedicated tubing bundle, Bennett pump and drop tube per WMR instructions.
PTX06-1128	9/20/2018	Well Video	230.40					16-28 P&T	20	<p>Performed post physical redevelopment video per WMR. This well has 6" pvc casing and 6" stainless steel screened section. The casing is in good condition. The screened section has moderate to heavy iron bacteria deposits. The sump is clean.</p> <p>Conducted tailgate safety briefing and daily rig/location checks. Rigged up and bailed ~ 20 gallons of water to bail the well dry. Today's top of water measurement is 1.9' less than the original top of water measurement of 228.3', indicating that the well has not completely recharged.</p>

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06- ISB129	9/25/2018	Bennett pump service								Provide well maintenance support for SRS 2018-4992-043 by installing and removing the portable tubing bundle in 6 SE Lobe wells for sampling activities. Today's activities were at PTX06-ISB129, ISB126, and ISB124.
PTX06- ISB121	9/26/2018	Bennett pump service						16-28 P&T	3	Provide well maintenance support for SRS 2018-4992-043 by installing and removing the portable tubing bundle in 6 SE Lobe wells for sampling activities. Today's activities were at PTX06-ISB121, ISB114, and ISB107. Installed dedicated tubing bundle, Bennett pump and drop tube in PTX06-1192 for sampling under this SRS. Pumped 3 gallons of water from the well to test pump, pumping good. This bundle was previously removed per WMR 2018-019 to support the Willowstick project.
PTX06-1128	10/1/2018	Re-development	228.50					16-28 P&T	30	Conducted tailgate safety briefing and daily rig/location checks. Top of water measurement indicates that the well had fully recharged. Bailed ~30 gallons of water. Well dried up.
PTX06-1196	10/1/2018	Well video	282.00	294						Recorded well acceptance video after well development activities. This well has 4" pvc casing and screened section. The casing and screen are in good condition. The sump is clean with a light amount of sand in bottom of the sump. No problems with the casing or screen were observed during video recording.
PTX06-1117	10/2/2018	Bennett pump service	236.20	263						Provide well maintenance support for SRS 2018-4992-039 by installing portable tubing bundle in well for sampling activities. Obtained pH of formation water of 7 for reference during chemical rehab of this well.
PTX06-1196	10/2/2018	Bennett pump service								Provide well maintenance support for SRS 2018-4992-038 by installing portable tubing bundle in well for sampling activities.

Location	Work Date	Activity	Water Level Measurement (ft btoc)	Total Depth Measurement (ft btoc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1034	10/19/2018	Bennett pump service								This well was added to this WMR on 10/18/18 by Michelle Jarrett. Pulled dedicated tubing bundle, Bennett pump and drop tube in support of the Willowstick project.
PTX06-1190	10/22/2018	Bennett pump service								This well was added to this WMR on 10/18/18 by Michelle Jarrett. Pulled dedicated tubing bundle, Bennett pump and drop tube in support of the Willowstick project.
PTX01-1011	11/1/2018	Bennett pump service	504.50	795			556.0	Ditch	3	Pulled dedicated tubing bundle and Bennett pump. Attached lower diverter to pump per WMR and reinstalled tubing bundle and pump in the well. The diverter is set at 604' btoc. Pumped 3 gallons of water from the well to check pump. Pumping good.
PTX06-1064	11/2/2018	Bennett pump service	518.70	789				Ditch	10	Sampling techs reported that during last sampling attempt the Bennett pump kept stopping and had to be restarted several times. Drove to location and began pumping water from the well @ 1.5L/m. Pumped 10 gallons of water with no pump stoppage. Well is ready to sample.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1117	11/5/2018	Re-development	236.00	263				Haz 16-16	5	Began chemical rehab on this well. Staged haz tank, 500 gallon tank trailer and well maintenance trailer with all equipment for chem rehab. A portable safety eye wash/shower is present on location. Conducted tailgate safety including chemical rehab safety and rig/location checks. Surface prepared a mixture of water, acid and bioacid dispersant per Monitoring Well Chemical Treatment Pilot Study Plan with volume calculations provided by Michelle Jarrett. The treatment mixture was introduced into the well using a funnel. 3 gallons of perched water was poured down the well to rinse the casing after the treatment mixture was in the well. Ran surge block in the well and mixed the treatment mixture with the formation water in the well. Ran 3 1/2" X 3' bailer in and got a sample of the water to determine the pH of the water after treatment. The initial pH of the formation water was 7. After treatment the pH of the water was < 2. We will let the well set for minimum of 24 hours before proceeding with bailing. Clifton Britten was on location observing all activities.
PTX06-1117	11/7/2018	Re-development						Haz 16-16	1	Conducted tailgate safety including chemical rehab safety and rig/location checks. Rigged up and ran 3 1/2" X 3' stainless bailer in well to get pH sample of the water. The pH was between 1 & 2. Ran surge block and surged water column.
1114-MW4	11/8/2018	Bennett pump service	274.60	292				16-28 P&T	3	Pulled dedicated tubing bundle, Bennett pump and drop tube. Replaced pump # 1807-68 which had a hole in the lower valve housing and the top valve housing was cracked. The pump also had considerable rust on it. Installed tubing bundle with replacement Bennett pump # 1806B-920 and drop tube in the well. Pumped 3 gallons of water from the well. Pumping good.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1144	11/8/2018	Bennett pump service						Ditch	6	Sample techs were unable to get pump to operate during scheduling sampling activities. Drove to the well with well maintenance trailer to troubleshoot and/or change pump. Attached nitrogen line to tubing bundle. No pump action was detected at 100 psi of nitrogen, increased to 120 psi and reversed the nitrogen flow down the exhaust line of the tubing bundle to free pump if pistons were stuck. Reattached nitrogen line and began getting pumping action. After water flow was coming from the bundle, we pumped 3 gallons of water at 1.7 Lpm then decreased flow rate to micro-purge rate of .6 Lpm. Pumped 3 gallons of water at this flow rate.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1117	11/15/2018	Re-development						Haz 16-16	160	<p>Conducted tailgate safety briefing & daily rig/location checks along with discussing safe chemical handling practices. Rigged up on location. Donned chemical safety gear. Ran 3 1/2' X 3' stainless steel bailer in well to get water for pH check. pH was 2. Ran surge block then began bailing. Checked pH after bailing 70 gallons of water. pH 6. Repeated pH check after 100 gallons bailed. pH 6. pH was the same after bailing 150 gallons. The amount bailed represents ~ 5 times the treatment volume including the casing flush water used. The water is clean. Will let well set until Monday (3 days) and perform post rehab well video.</p> <p>While bailing the treatment water with low pH out of the well, the bailer is emptied into an open top 55 gallon lined steel drum positioned next to the well then the water is transferred from the drum to the waste container using a drum pump and water hose. After completion of activities today, all equipment was deconned and decon water was also put in the waste container.</p>
PTX06-1048A	11/19/2018	Bennett pump service	237.60	245						Pulled and reinstalled dedicated tubing bundle for recording of knowledge transfer video.
PTX06-1117	11/19/2018	Well video	236.10	264						<p>Performed three day post chem-rehab well video per WMR. Well has 6" pvc casing and 6" stainless steel screen. Observed staining in the screened section where the iron bacteria buildup previously was. Overall, the iron bacteria present in the screened section is significantly less. Observed sand infiltration into the screen near bottom with the sump being full of sand.</p>
PTX06-1034	11/20/2018	Bennett pump service	282.80	296				16-28 P&T	1	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 1 gallon of water from the well. Pumping good.

Location	Work Date	Activity	Water Level Measurement (ft bioc)	Total Depth Measurement (ft bioc)	Tubing bundle length (ft)	Drop tube length (ft)	Intake Depth	Purge Water	Purge Volume (gals)	Comments
PTX06-1046	11/20/2018	Bennett pump service	283.70	295				16-28 P&T	1	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 1 gallon of water from the well. Pumping good.
PTX06-1190	11/20/2018	Bennett pump service	282.10	290				16-28 P&T	1	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 1 gallon of water from the well. Pumping good.
PTX06-1192	11/20/2018	Bennett pump service	281.00	296				16-28 P&T	1	Installed dedicated tubing bundle, Bennett pump and drop tube. Pumped 1 gallon of water from the well. Pumping good.
PTX06-1147	11/26/2018	Bennett pump service	284.40	300	279	11.0	290.0	16-28 P&T	2	Installed dedicated tubing bundle, Bennett pump and drop tube in well. The previous intake setting was 2.8' below top of water. Lengthened drop tube by 3' to lower sample intake. Pumped 2 gallons of water from the well. Pumping good.
PTX06-1146	11/27/2018	Bennett pump service, Re-development	277.00	294				16-28 P&T	140	Pulled dedicated tubing bundle, Bennett pump and drop tube in prep for well redevelopment. Conducted tailgate safety briefing and daily rig/location checks. Rigged up and ran surge block to surge/brush screened section. Bailing light brown water with light amounts of sand which cleaned up fairly quickly. Repeated surging and brushing 3 times. After the second surging we got significant amounts of sand in the bailer. Bailed until sand and water cleaned up. The next run with the surge tool produced only light amounts of sand and cloudy light brown water. Bailed until water cleaned up.
PTX06-1146	11/30/2018	Well video, Bennett pump service	277.00	294				16-28 P&T	2	Performed well video for post redevelopment and well inspection purposes. Well has 4" pvc casing and 4" stainless steel screened section. The casing and screen are in good condition. Observed some staining throughout the screen and light sand infiltration in the screen toward bottom of the screen. The sump is clean. Installed dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 2 gallons of water from the 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	Purge Water	Purge Volume (gals)	Comments
PTX06-1064	12/5/2018	Bennett pump service								Pulled dedicated tubing bundle, Bennett pump and drop tube in prep to ship tubing bundle to Bennett Sample Pumps to have the tubing bundle lengthened.
PTX06-1117	12/11/2018	Bennett pump service	236.00	264						Installed portable tubing bundle and pump in well in support of sampling activities per SRS 2018-4992-039. Removed tubing bundle from well and pumped 3 gallons of DI water to decon tubing. Evacuated water out of the tubing to freeze protect the tubing bundle.
PTX06-1128	12/11/2018	Bennett pump service	227.30	243						Installed portable tubing bundle and pump in well in support of sampling activities per SRS 2018-4992-039. Removed tubing bundle from well and pumped 3 gallons of DI water to decon tubing.
PTX06-1196	12/17/2018	Bennett pump service	282.00	294	281	6.0	287.0	16-28 P&T	2	Installed new dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 2 gallons of water to check pump operation. Pumping good.
PTX06-1197	12/17/2018	Bennett pump service	281.40	291	281	6.0	287.0	16-28 P&T	2	Installed new dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 2 gallons of water to check pump operation. Pumping good.
PTX06-1199	12/17/2018	Bennett pump service	282.70	294	282	6.0	288.0	16-28 P&T	2	Installed new dedicated tubing bundle, Bennett pump and drop tube in well. Pumped 2 gallons of water to check pump operation. Pumping good.

btoc – below top of casing

¹Water 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.

²Pump intake depth measurements are necessary only when the depths are reset.

⁴Purge water is only released to ditches from clean Ogallala wells. All other water is manager through the pump and treat systems or properly disposed of.

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

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
1114-MW4	11/8/2018	274.60	3276.13	292	3258.73
1114-MW4	5/15/2018	274.60	3276.13		
1114-MW4	6/20/2018	274.60	3276.13		
1114-MW4	11/28/2018	274.30	3276.43		
1114-MW4	12/10/2018	274.80	3275.93		
OW-WR-38	6/5/2018	218.50	3303.44		
OW-WR-38	6/21/2018	218.50	3303.44		
OW-WR-38	12/11/2018	219.20	3302.74		
OW-WR-45	6/20/2018	265.80	3281.30		
OW-WR-45	12/11/2018	265.10	3282.00		
PTX01-1001	5/14/2018	287.70	3281.46		
PTX01-1001	6/19/2018	287.60	3281.56		
PTX01-1001	11/28/2018	287.20	3281.96		
PTX01-1001	12/10/2018	287.20	3281.96		
PTX01-1004	6/19/2018	Dry			
PTX01-1004	12/10/2018	Dry			
PTX01-1006	6/19/2018	Dry			
PTX01-1006	12/10/2018	Dry			
PTX01-1007	6/19/2018	Dry			
PTX01-1007	12/10/2018	Dry			
PTX01-1008	5/14/2018	273.80	3296.98		
PTX01-1008	6/19/2018	273.70	3297.08		
PTX01-1008	11/28/2018	273.30	3297.48		
PTX01-1008	12/10/2018	273.30	3297.48		
PTX01-1009	6/19/2018	Dry			
PTX01-1009	12/10/2018	289.50	3279.81		
PTX01-1010	2/21/2018	504.50	3071.65		
PTX01-1010	6/19/2018	506.70	3069.45		
PTX01-1010	8/9/2018	510.20	3065.95		
PTX01-1010	12/10/2018	507.30	3068.85		
PTX01-1010	1/16/2019	507.00	3069.15		
PTX01-1011	11/1/2018	504.50	3070.57	795	2780.07
PTX01-1011	2/21/2018	501.60	3073.47		
PTX01-1011	6/19/2018	502.40	3072.67		
PTX01-1011	8/9/2018	504.10	3070.97		
PTX01-1011	12/10/2018	504.40	3070.67		
PTX01-1011	1/16/2019	504.10	3070.97		
PTX01-1012	2/20/2018	515.10	3059.66		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX01-1012	6/19/2018	521.70	3053.06		
PTX01-1012	7/30/2018	533.50	3041.26		
PTX01-1012	12/10/2018	519.40	3055.36		
PTX01-1012	1/14/2019	518.90	3055.86		
PTX01-1013	1/9/2018	512.10	3072.20	867	2717.30
PTX01-1013	2/20/2018	511.50	3072.80		
PTX01-1013	6/19/2018	516.00	3068.30		
PTX01-1013	7/30/2018	523.10	3061.20		
PTX01-1013	12/10/2018	515.80	3068.50		
PTX01-1013	1/14/2019	515.30	3069.00		
PTX01-1014A	6/19/2018	Dry			
PTX01-1014A	12/10/2018	Dry			
PTX04-1001	6/26/2018	220.30	3307.48		
PTX04-1001	8/22/2018	220.50	3307.28		
PTX04-1001	12/11/2018	220.20	3307.58		
PTX04-1002	6/21/2018	224.20	3307.05		
PTX04-1002	7/18/2018	224.10	3307.15		
PTX04-1002	12/11/2018	223.90	3307.35		
PTX06-1001A	6/20/2018	259.40	3282.46		
PTX06-1001A	12/12/2018	258.80	3283.06		
PTX06-1002A	2/19/2018	261.70	3279.68		
PTX06-1002A	6/20/2018	261.60	3279.78		
PTX06-1002A	8/14/2018	261.40	3279.98		
PTX06-1002A	12/12/2018	261.10	3280.28		
PTX06-1003	6/26/2018	264.50	3275.32		
PTX06-1003	8/23/2018	264.40	3275.42		
PTX06-1003	12/12/2018	264.40	3275.42		
PTX06-1005	2/19/2018	278.90	3259.01		
PTX06-1005	6/26/2018	278.80	3259.11		
PTX06-1005	8/14/2018	278.90	3259.01		
PTX06-1005	12/12/2018	278.60	3259.31		
PTX06-1006	6/12/2018	270.00	3274.92		
PTX06-1006	6/20/2018	270.00	3274.92		
PTX06-1006	12/11/2018	270.00	3274.92		
PTX06-1007	7/23/2018	270.40	3276.30	293	3253.70
PTX06-1007	6/21/2018	270.50	3276.20		
PTX06-1007	8/7/2018	270.20	3276.50		
PTX06-1007	12/11/2018	270.00	3276.70		
PTX06-1008	6/12/2018	269.90	3279.28		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1008	6/20/2018	269.90	3279.28		
PTX06-1008	12/11/2018	269.50	3279.68		
PTX06-1009	6/21/2018	265.90	3280.71		
PTX06-1009	12/10/2018	Dry			
PTX06-1010	6/6/2018	258.40	3287.76		
PTX06-1010	6/21/2018	258.70	3287.46		
PTX06-1010	12/5/2018	259.50	3286.66		
PTX06-1010	12/11/2018	259.40	3286.76		
PTX06-1011	6/6/2018	276.10	3269.27		
PTX06-1011	6/21/2018	276.20	3269.17		
PTX06-1011	12/11/2018	276.00	3269.37		
PTX06-1012	1/25/2018	269.44	3271.42		
PTX06-1012	5/15/2018	269.50	3271.36		
PTX06-1012	6/19/2018	269.42	3271.44		
PTX06-1012	7/17/2018	269.43	3271.43		
PTX06-1012	10/1/2018	269.30	3271.56		
PTX06-1012	11/6/2018	269.34	3271.52		
PTX06-1012	12/11/2018	269.25	3271.61		
PTX06-1012	1/14/2019	269.30	3271.56		
PTX06-1013	5/8/2018	249.30	3294.94		
PTX06-1013	6/26/2018	249.30	3294.94		
PTX06-1013	12/11/2018	249.20	3295.04		
PTX06-1014	6/26/2018	278.90	3254.24		
PTX06-1014	7/18/2018	279.00	3254.14		
PTX06-1014	12/12/2018	279.00	3254.14		
PTX06-1015	7/23/2018	285.00	3245.10	289	3241.10
PTX06-1015	3/7/2018	284.90	3245.20		
PTX06-1015	6/21/2018	285.00	3245.10		
PTX06-1015	8/21/2018	285.00	3245.10		
PTX06-1015	12/11/2018	287.30	3242.80		
PTX06-1015	1/28/2019	287.50	3242.60		
PTX06-1017	6/26/2018	280.00	3253.66		
PTX06-1023	2/28/2018	247.00	3297.43		
PTX06-1023	6/21/2018	247.20	3297.23		
PTX06-1023	8/22/2018	247.30	3297.13		
PTX06-1023	12/11/2018	247.00	3297.43		
PTX06-1023	1/23/2019	247.10	3297.33		
PTX06-1030	5/9/2018	Dry			
PTX06-1030	6/19/2018	Dry			

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1030	11/26/2018	Dry			
PTX06-1030	12/10/2018	Dry			
PTX06-1031	5/22/2018	283.50	3245.91		
PTX06-1031	6/19/2018	283.50	3245.91		
PTX06-1031	11/26/2018	283.80	3245.61		
PTX06-1031	12/10/2018	283.70	3245.71		
PTX06-1034	11/20/2018	282.80	3242.12	296	3228.92
PTX06-1034	4/26/2018	282.70	3242.22	296	3228.92
PTX06-1034	4/10/2018	282.90	3242.02	296	3228.92
PTX06-1034	3/26/2018	282.70	3242.22	296	3228.92
PTX06-1034	2/28/2018	282.80	3242.12		
PTX06-1034	6/19/2018	282.70	3242.22		
PTX06-1034	8/27/2018	282.70	3242.22		
PTX06-1034	12/10/2018	282.70	3242.22		
PTX06-1034	1/22/2019	282.90	3242.02		
PTX06-1035	3/5/2018	271.20	3270.49		
PTX06-1035	6/20/2018	271.00	3270.69		
PTX06-1035	7/31/2018	270.90	3270.79		
PTX06-1035	12/12/2018	270.60	3271.09		
PTX06-1035	1/24/2019	270.80	3270.89		
PTX06-1036	6/21/2018	284.50	3250.11		
PTX06-1036	7/18/2018	284.50	3250.11		
PTX06-1036	12/11/2018	285.20	3249.41		
PTX06-1037	1/22/2018	280.42	3247.93		
PTX06-1037	5/9/2018	280.43	3247.92		
PTX06-1037	6/19/2018	280.42	3247.93		
PTX06-1037	9/18/2018	280.55	3247.80		
PTX06-1037	10/29/2018	280.52	3247.83		
PTX06-1037	12/11/2018	280.57	3247.78		
PTX06-1037	1/22/2019	280.70	3247.65		
PTX06-1038	2/12/2018	266.60	3275.69		
PTX06-1038	6/26/2018	266.40	3275.89		
PTX06-1038	8/13/2018	266.60	3275.69		
PTX06-1038	12/12/2018	266.60	3275.69		
PTX06-1038	1/21/2019	266.60	3275.69		
PTX06-1039A	2/12/2018	274.30	3266.41		
PTX06-1039A	6/26/2018	273.70	3267.01		
PTX06-1039A	8/13/2018	273.70	3267.01		
PTX06-1039A	12/12/2018	274.10	3266.61		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1039A	1/21/2019	274.10	3266.61		
PTX06-1040	2/12/2018	280.20	3259.46		
PTX06-1040	6/26/2018	278.70	3260.96		
PTX06-1040	8/13/2018	278.70	3260.96		
PTX06-1040	12/12/2018	279.30	3260.36		
PTX06-1040	1/21/2019	279.40	3260.26		
PTX06-1041	3/8/2018	278.50	3260.26		
PTX06-1041	6/26/2018	278.00	3260.76		
PTX06-1041	8/23/2018	278.10	3260.66		
PTX06-1041	12/12/2018	278.70	3260.06		
PTX06-1041	1/23/2019	278.90	3259.86		
PTX06-1042	2/28/2018	279.20	3256.17		
PTX06-1042	6/26/2018	279.00	3256.37		
PTX06-1042	8/23/2018	279.00	3256.37		
PTX06-1042	12/12/2018	279.00	3256.37		
PTX06-1042	1/23/2019	279.00	3256.37		
PTX06-1043	2/20/2018	451.40	3073.24		
PTX06-1043	6/21/2018	453.50	3071.14		
PTX06-1043	8/1/2018	452.00	3072.64		
PTX06-1043	12/11/2018	452.50	3072.14		
PTX06-1043	1/14/2019	454.00	3070.64		
PTX06-1044	5/7/2018	498.40	3046.11		
PTX06-1044	6/21/2018	499.00	3045.51		
PTX06-1044	11/5/2018	499.80	3044.71		
PTX06-1044	12/11/2018	500.10	3044.41		
PTX06-1045	1/22/2018	282.11	3246.09		
PTX06-1045	1/24/2018	Dry			
PTX06-1045	5/7/2018	Dry			
PTX06-1045	6/19/2018	Dry			
PTX06-1045	9/10/2018	Dry			
PTX06-1045	10/30/2018	283.10	3245.10		
PTX06-1045	12/10/2018	282.40	3245.80		
PTX06-1046	11/20/2018	283.70	3244.09	295	3232.79
PTX06-1046	9/19/2018	283.50	3244.29	295	3232.79
PTX06-1046	5/16/2018	283.60	3244.19		
PTX06-1046	6/19/2018	283.40	3244.39		
PTX06-1046	11/26/2018	283.70	3244.09		
PTX06-1046	12/10/2018	283.50	3244.29		
PTX06-1047A	5/2/2018	281.80	3244.67	290	3236.47

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1047A	5/16/2018	281.80	3244.67		
PTX06-1047A	6/19/2018	281.60	3244.87		
PTX06-1047A	11/19/2018	281.50	3244.97		
PTX06-1047A	12/10/2018	281.40	3245.07		
PTX06-1048A	11/19/2018	237.60	3302.94	245	3295.54
PTX06-1048A	9/12/2018	237.50	3303.04	245	3295.54
PTX06-1048A	5/8/2018	237.70	3302.84		
PTX06-1048A	6/21/2018	237.70	3302.84		
PTX06-1048A	12/11/2018	237.40	3303.14		
PTX06-1049	5/9/2018	275.00	3281.58		
PTX06-1049	6/19/2018	275.20	3281.38		
PTX06-1049	10/23/2018	275.20	3281.38		
PTX06-1049	12/10/2018	275.40	3281.18		
PTX06-1050	5/9/2018	260.30	3294.08		
PTX06-1050	6/21/2018	260.30	3294.08		
PTX06-1050	10/23/2018	259.90	3294.48		
PTX06-1050	12/10/2018	260.00	3294.38		
PTX06-1051	7/31/2018	293.00	3239.29	295	3237.79
PTX06-1051	7/31/2018	293.00	3239.29		
PTX06-1051	12/11/2018	293.10	3239.19		
PTX06-1052	3/7/2018	278.50	3258.50		
PTX06-1052	6/21/2018	278.70	3258.30		
PTX06-1052	8/21/2018	278.80	3258.20		
PTX06-1052	12/11/2018	278.70	3258.30		
PTX06-1052	1/28/2019	277.80	3259.20		
PTX06-1053	5/21/2018	250.00	3269.84		
PTX06-1053	6/21/2018	249.30	3270.54		
PTX06-1053	11/27/2018	250.00	3269.84		
PTX06-1053	12/11/2018	249.90	3269.94		
PTX06-1055	6/19/2018	Dry			
PTX06-1055	12/10/2018	Dry			
PTX06-1056	2/26/2018	399.70	3133.26		
PTX06-1056	4/24/2018	399.70	3133.26		
PTX06-1056	6/21/2018	399.90	3133.06		
PTX06-1056	7/17/2018	400.40	3132.56		
PTX06-1056	10/29/2018	400.20	3132.76		
PTX06-1056	12/11/2018	400.10	3132.86		
PTX06-1056	1/15/2019	400.10	3132.86		
PTX06-1057A	4/24/2018	472.60	3094.50		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1057A	6/19/2018	472.80	3094.30		
PTX06-1057A	12/10/2018	473.80	3093.30		
PTX06-1058	6/19/2018	403.80	3164.75		
PTX06-1058	8/1/2018	404.20	3164.35		
PTX06-1058	12/10/2018	404.30	3164.25		
PTX06-1059	6/19/2018	419.00	3129.03		
PTX06-1059	8/1/2018	419.50	3128.53		
PTX06-1059	12/10/2018	419.80	3128.23		
PTX06-1060	4/23/2018	359.10	3213.66		
PTX06-1060	6/19/2018	359.00	3213.76		
PTX06-1060	12/10/2018	359.20	3213.56		
PTX06-1061	4/23/2018	507.40	3084.54		
PTX06-1061	6/19/2018	509.20	3082.74		
PTX06-1061	12/10/2018	510.70	3081.24		
PTX06-1062A	2/21/2018	509.50	3064.46		
PTX06-1062A	6/19/2018	511.10	3062.86		
PTX06-1062A	8/9/2018	513.50	3060.46		
PTX06-1062A	12/10/2018	512.10	3061.86		
PTX06-1062A	1/16/2019	511.80	3062.16		
PTX06-1064	11/2/2018	518.70	3045.93	789	2775.63
PTX06-1064	5/3/2018	516.30	3048.33		
PTX06-1064	6/19/2018	517.30	3047.33		
PTX06-1064	11/7/2018	518.00	3046.63		
PTX06-1064	12/10/2018	518.90	3045.73		
PTX06-1068	2/20/2018	524.80	3013.91		
PTX06-1068	5/7/2018	526.40	3012.31		
PTX06-1068	6/21/2018	527.30	3011.41		
PTX06-1068	10/22/2018	529.50	3009.21		
PTX06-1068	10/29/2018	529.50	3009.21		
PTX06-1068	12/11/2018	528.00	3010.71		
PTX06-1069	6/19/2018	253.00	3280.01		
PTX06-1069	7/31/2018	252.90	3280.11		
PTX06-1069	12/10/2018	253.30	3279.71		
PTX06-1071	6/21/2018	223.80	3307.35		
PTX06-1071	12/11/2018	223.50	3307.65		
PTX06-1072	2/27/2018	419.30	3132.50		
PTX06-1072	6/20/2018	419.40	3132.40		
PTX06-1072	8/15/2018	418.60	3133.20		
PTX06-1072	12/10/2018	420.00	3131.80		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1072	1/29/2019	420.20	3131.60		
PTX06-1073A	3/12/2018	278.40	3272.15		
PTX06-1073A	6/20/2018	Dry			
PTX06-1073A	8/23/2018	Dry			
PTX06-1073A	12/10/2018	Dry			
PTX06-1073A	1/30/2019	Dry			
PTX06-1074	4/23/2018	427.80	3150.63		
PTX06-1074	6/19/2018	428.00	3150.43		
PTX06-1074	12/10/2018	428.40	3150.03		
PTX06-1075	6/20/2018	352.50	3195.96		
PTX06-1075	7/17/2018	352.50	3195.96		
PTX06-1075	12/12/2018	352.20	3196.26		
PTX06-1076	4/24/2018	347.40	3182.96		
PTX06-1076	6/21/2018	347.50	3182.86		
PTX06-1076	10/29/2018	347.20	3183.16		
PTX06-1076	12/11/2018	347.10	3183.26		
PTX06-1077A	6/21/2018	270.70	3278.75		
PTX06-1077A	8/7/2018	271.70	3277.75		
PTX06-1077A	12/10/2018	270.70	3278.75		
PTX06-1077A	12/10/2018	270.70	3278.75		
PTX06-1078	6/21/2018	Dry			
PTX06-1078	12/11/2018	Dry			
PTX06-1079	6/21/2018	Dry			
PTX06-1079	12/11/2018	271.90	3271.08		
PTX06-1079	1/9/2019	277.40	3265.58		
PTX06-1080	6/21/2018	273.10	3263.14		
PTX06-1080	12/11/2018	273.00	3263.24		
PTX06-1081	6/21/2018	226.40	3307.05		
PTX06-1081	7/18/2018	226.30	3307.15		
PTX06-1081	12/11/2018	225.90	3307.55		
PTX06-1082	6/19/2018	174.90	3294.01		
PTX06-1082	12/10/2018	175.10	3293.81		
PTX06-1083	6/19/2018	179.80	3288.39		
PTX06-1083	12/10/2018	179.80	3288.39		
PTX06-1084	6/19/2018	206.20	3273.47		
PTX06-1084	12/10/2018	206.80	3272.87		
PTX06-1085	5/15/2018	257.40	3276.40		
PTX06-1085	6/19/2018	257.20	3276.60		
PTX06-1085	12/10/2018	257.70	3276.10		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1086	5/15/2018	249.40	3276.56		
PTX06-1086	6/19/2018	249.20	3276.76		
PTX06-1086	12/10/2018	249.50	3276.46		
PTX06-1087	6/19/2018	251.40	3282.66		
PTX06-1087	12/10/2018	252.30	3281.76		
PTX06-1088	6/6/2018	276.40	3267.51		
PTX06-1088	6/21/2018	276.50	3267.41		
PTX06-1088	12/5/2018	276.20	3267.71		
PTX06-1088	12/11/2018	276.00	3267.91		
PTX06-1089	6/19/2018	272.30	3263.16		
PTX06-1089	12/10/2018	272.20	3263.26		
PTX06-1090	6/19/2018	Dry			
PTX06-1090	12/10/2018	Dry			
PTX06-1091	6/19/2018	Dry			
PTX06-1091	12/10/2018	Dry			
PTX06-1093	6/19/2018	Dry			
PTX06-1093	12/10/2018	Dry			
PTX06-1094	6/19/2018	Dry			
PTX06-1094	12/10/2018	Dry			
PTX06-1095A	2/19/2018	277.00	3258.73		
PTX06-1095A	6/26/2018	276.90	3258.83		
PTX06-1095A	8/14/2018	277.00	3258.73		
PTX06-1095A	12/12/2018	276.80	3258.93		
PTX06-1096A	6/19/2018	Dry			
PTX06-1096A	12/10/2018	Dry			
PTX06-1097	6/19/2018	Dry			
PTX06-1097	12/10/2018	Dry			
PTX06-1098	5/14/2018	279.30	3255.09		
PTX06-1098	6/19/2018	279.26	3255.13		
PTX06-1098	10/30/2018	279.45	3254.94		
PTX06-1098	12/11/2018	279.35	3255.04		
PTX06-1100	6/19/2018	279.70	3254.93		
PTX06-1100	9/19/2018	279.70	3254.93		
PTX06-1100	12/11/2018	279.73	3254.90		
PTX06-1101	6/19/2018	278.88	3254.67		
PTX06-1101	9/19/2018	279.00	3254.55		
PTX06-1101	12/11/2018	279.00	3254.55		
PTX06-1102	6/21/2018	288.00	3246.92		
PTX06-1102	8/21/2018	Dry			

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1102	12/11/2018	Dry			
PTX06-1103	3/7/2018	Dry			
PTX06-1103	6/21/2018	Dry			
PTX06-1103	8/21/2018	Dry			
PTX06-1103	12/11/2018	Dry			
PTX06-1103	1/28/2019	Dry			
PTX06-1104	6/19/2018	Dry			
PTX06-1104	12/11/2018	Dry			
PTX06-1105	6/19/2018	282.13	3250.82		
PTX06-1106	6/19/2018	282.75	3249.83		
PTX06-1106	12/11/2018	283.03	3249.55		
PTX06-1107	6/19/2018	Dry			
PTX06-1107	12/11/2018	Dry			
PTX06-1109	6/21/2018	229.20	3290.12		
PTX06-1109	12/12/2018	228.60	3290.72		
PTX06-1110	6/21/2018	232.40	3289.13		
PTX06-1110	12/12/2018	231.70	3289.83		
PTX06-1112	6/21/2018	243.20	3300.27		
PTX06-1112	12/11/2018	243.30	3300.17		
PTX06-1113	6/21/2018	245.90	3299.57		
PTX06-1113	12/11/2018	246.10	3299.37		
PTX06-1115	6/21/2018	234.50	3294.68		
PTX06-1115	12/11/2018	234.10	3295.08		
PTX06-1116	6/21/2018	236.70	3293.46		
PTX06-1116	12/11/2018	236.30	3293.86		
PTX06-1117	11/5/2018	236.00	3295.03	263	3268.03
PTX06-1117	10/2/2018	236.20	3294.83	263	3268.03
PTX06-1117	9/18/2018	236.10	3294.92	263	3268.03
PTX06-1117	9/10/2018	236.10	3294.92	263	3268.03
PTX06-1117	12/11/2018	236.00	3295.03	264	3267.03
PTX06-1117	11/19/2018	236.10	3294.92	264	3267.03
PTX06-1117	10/2/2018	236.20	3294.83		
PTX06-1117	12/11/2018	236.00	3295.03		
PTX06-1117	1/24/2019	236.00	3295.03		
PTX06-1118	1/22/2018	Dry			
PTX06-1118	1/24/2018	Dry			
PTX06-1118	4/25/2018	Dry			
PTX06-1118	6/19/2018	Dry			
PTX06-1118	9/10/2018	Dry			

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1118	10/30/2018	Dry			
PTX06-1118	12/11/2018	Dry			
PTX06-1119	6/19/2018	Dry			
PTX06-1119	12/10/2018	Dry			
PTX06-1120	5/17/2018	280.80	3246.78	285	3242.58
PTX06-1120	5/16/2018	280.90	3246.68		
PTX06-1120	6/19/2018	281.00	3246.58		
PTX06-1120	11/19/2018	283.80	3243.78		
PTX06-1120	12/10/2018	283.90	3243.68		
PTX06-1121	5/9/2018	Dry			
PTX06-1121	6/19/2018	Dry			
PTX06-1121	11/19/2018	Dry			
PTX06-1121	12/10/2018	Dry			
PTX06-1122	6/21/2018	Dry			
PTX06-1122	12/11/2018	Dry			
PTX06-1123	1/24/2018	279.88	3249.15		
PTX06-1123	4/25/2018	279.95	3249.08		
PTX06-1123	6/19/2018	279.92	3249.11		
PTX06-1123	9/10/2018	280.02	3249.01		
PTX06-1123	10/30/2018	280.15	3248.88		
PTX06-1123	12/11/2018	280.25	3248.78		
PTX06-1123	1/22/2019	280.30	3248.73		
PTX06-1125	6/19/2018	Dry			
PTX06-1125	12/10/2018	Dry			
PTX06-1126	5/23/2018	268.90	3273.55		
PTX06-1126	6/20/2018	268.90	3273.55		
PTX06-1126	9/24/2018	268.75	3273.70		
PTX06-1126	11/1/2018	268.90	3273.55		
PTX06-1126	11/1/2018	268.90	3273.55		
PTX06-1126	12/12/2018	268.60	3273.85		
PTX06-1127	5/22/2018	265.10	3273.50		
PTX06-1127	6/20/2018	265.30	3273.30		
PTX06-1127	9/24/2018	265.15	3273.45		
PTX06-1127	11/1/2018	265.10	3273.50		
PTX06-1127	11/1/2018	265.10	3273.50		
PTX06-1127	12/12/2018	265.00	3273.60		
PTX06-1128	12/11/2018	227.30	3294.65	243	3278.96
PTX06-1128	9/17/2018	229.00	3292.96	243	3278.96
PTX06-1128	9/11/2018	228.30	3293.65	243	3278.96

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1128	10/1/2018	228.50	3293.46		
PTX06-1128	9/20/2018	230.40	3291.56		
PTX06-1128	6/21/2018	229.30	3292.66		
PTX06-1128	12/11/2018	227.30	3294.66		
PTX06-1128	12/11/2018	227.30	3294.66		
PTX06-1129	9/18/2018	232.80	3289.74	213	3309.54
PTX06-1129	6/21/2018	232.70	3289.84		
PTX06-1129	12/12/2018	233.00	3289.54		
PTX06-1130	3/6/2018	Dry			
PTX06-1130	6/19/2018	Dry			
PTX06-1130	8/28/2018	Dry			
PTX06-1130	12/10/2018	Dry			
PTX06-1130	1/22/2019	Dry			
PTX06-1131	4/25/2018	280.30	3269.07		
PTX06-1131	6/20/2018	280.00	3269.37		
PTX06-1131	12/12/2018	279.70	3269.67		
PTX06-1133A	5/23/2018	275.60	3245.05		
PTX06-1133A	6/19/2018	275.70	3244.95		
PTX06-1133A	10/30/2018	276.00	3244.65		
PTX06-1133A	12/10/2018	276.10	3244.55		
PTX06-1134	5/21/2018	267.00	3271.19		
PTX06-1134	6/26/2018	266.90	3271.29		
PTX06-1134	11/27/2018	266.80	3271.39		
PTX06-1134	11/27/2018	266.80	3271.39		
PTX06-1134	12/11/2018	266.60	3271.59		
PTX06-1135	5/21/2018	Dry			
PTX06-1135	6/21/2018	Dry			
PTX06-1135	11/27/2018	Dry			
PTX06-1135	12/11/2018	Dry			
PTX06-1136	5/9/2018	Dry			
PTX06-1136	6/19/2018	Dry			
PTX06-1136	12/10/2018	Dry			
PTX06-1137A	5/17/2018	474.10	3055.51		
PTX06-1137A	6/19/2018	474.20	3055.41		
PTX06-1137A	11/6/2018	474.90	3054.71		
PTX06-1137A	12/10/2018	475.50	3054.11		
PTX06-1138	5/17/2018	467.70	3069.00		
PTX06-1138	6/19/2018	467.80	3068.90		
PTX06-1138	7/12/2018	468.10	3068.60		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1138	11/6/2018	468.50	3068.20		
PTX06-1138	12/10/2018	469.00	3067.70		
PTX06-1139	2/26/2018	441.50	3090.23		
PTX06-1139	6/19/2018	441.60	3090.13		
PTX06-1139	8/28/2018	440.60	3091.13		
PTX06-1139	12/10/2018	442.10	3089.63		
PTX06-1139	1/15/2019	439.20	3092.53		
PTX06-1140	1/18/2018	492.40	3036.99		
PTX06-1140	5/17/2018	492.80	3036.59		
PTX06-1140	6/19/2018	493.10	3036.29		
PTX06-1140	11/6/2018	492.40	3036.99		
PTX06-1140	12/10/2018	494.40	3034.99		
PTX06-1141	2/27/2018	481.70	3081.03		
PTX06-1141	6/19/2018	482.00	3080.73		
PTX06-1141	7/17/2018	482.40	3080.33		
PTX06-1141	12/10/2018	482.60	3080.13		
PTX06-1141	1/29/2019	483.00	3079.73		
PTX06-1143	5/3/2018	498.30	3049.64		
PTX06-1143	6/21/2018	498.30	3049.64		
PTX06-1143	10/22/2018	499.20	3048.74		
PTX06-1143	12/11/2018	499.50	3048.44		
PTX06-1144	5/3/2018	496.20	3032.38		
PTX06-1144	6/26/2018	496.40	3032.18		
PTX06-1144	12/5/2018	497.70	3030.88		
PTX06-1144	12/11/2018	498.50	3030.08		
PTX06-1146	11/30/2018	277.00	3259.09	294	3242.09
PTX06-1146	11/27/2018	277.00	3259.09	294	3242.09
PTX06-1146	3/6/2018	276.70	3259.39		
PTX06-1146	6/19/2018	276.70	3259.39		
PTX06-1146	8/27/2018	276.40	3259.69		
PTX06-1146	12/10/2018	277.00	3259.09		
PTX06-1146	1/22/2019	277.10	3258.99		
PTX06-1147	9/19/2018	284.20	3245.55	300	3230.25
PTX06-1147	11/26/2018	284.40	3245.35	300	3229.75
PTX06-1147	4/26/2018	283.90	3245.85	300	3229.75
PTX06-1147	3/26/2018	283.90	3245.85	300	3229.75
PTX06-1147	4/10/2018	283.90	3245.85	301	3228.75
PTX06-1147	5/22/2018	284.00	3245.75		
PTX06-1147	6/19/2018	284.10	3245.65		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1147	12/5/2018	284.40	3245.35		
PTX06-1147	12/10/2018	284.30	3245.45		
PTX06-1148	2/7/2018	255.00	3271.12		
PTX06-1148	5/16/2018	254.95	3271.17		
PTX06-1148	6/19/2018	254.85	3271.27		
PTX06-1148	7/23/2018	254.97	3271.15		
PTX06-1148	10/3/2018	254.90	3271.22		
PTX06-1148	11/26/2018	255.08	3271.04		
PTX06-1148	12/11/2018	254.85	3271.27		
PTX06-1148	1/21/2019	254.85	3271.27		
PTX06-1149	2/7/2018	259.54	3271.91		
PTX06-1149	5/16/2018	259.48	3271.97		
PTX06-1149	6/19/2018	259.39	3272.06		
PTX06-1149	7/23/2018	259.50	3271.95		
PTX06-1149	10/3/2018	259.30	3272.15		
PTX06-1149	11/26/2018	259.56	3271.89		
PTX06-1149	12/11/2018	259.28	3272.17		
PTX06-1149	1/21/2019	259.20	3272.25		
PTX06-1150	2/7/2018	261.84	3272.15		
PTX06-1150	5/16/2018	261.80	3272.19		
PTX06-1150	6/19/2018	261.55	3272.44		
PTX06-1150	7/23/2018	261.76	3272.23		
PTX06-1150	11/26/2018	261.65	3272.34		
PTX06-1150	12/11/2018	261.40	3272.59		
PTX06-1150	1/21/2019	261.40	3272.59		
PTX06-1151	3/12/2018	273.90	3272.78		
PTX06-1151	6/21/2018	273.80	3272.88		
PTX06-1151	8/15/2018	273.60	3273.08		
PTX06-1151	12/11/2018	273.30	3273.38		
PTX06-1153	1/22/2018	281.15	3248.14		
PTX06-1153	5/9/2018	281.15	3248.14		
PTX06-1153	6/19/2018	281.08	3248.21		
PTX06-1153	9/18/2018	281.20	3248.09		
PTX06-1153	10/29/2018	281.21	3248.08		
PTX06-1153	12/11/2018	281.17	3248.12		
PTX06-1153	1/22/2019	281.40	3247.89		
PTX06-1154	1/24/2018	279.43	3248.71		
PTX06-1154	5/9/2018	279.50	3248.64		
PTX06-1154	6/19/2018	279.52	3248.62		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1154	9/18/2018	279.55	3248.59		
PTX06-1154	10/29/2018	279.51	3248.63		
PTX06-1154	12/11/2018	279.60	3248.54		
PTX06-1154	1/22/2019	279.75	3248.39		
PTX06-1155	1/25/2018	269.29	3272.63		
PTX06-1155	5/15/2018	269.37	3272.55		
PTX06-1155	6/19/2018	269.28	3272.64		
PTX06-1155	7/17/2018	269.31	3272.61		
PTX06-1155	10/3/2018	268.95	3272.97		
PTX06-1155	11/6/2018	269.15	3272.77		
PTX06-1155	12/11/2018	268.97	3272.95		
PTX06-1155	1/14/2019	269.15	3272.77		
PTX06-1156	1/25/2018	256.95	3272.47		
PTX06-1156	5/15/2018	257.07	3272.35		
PTX06-1156	6/19/2018	257.00	3272.42		
PTX06-1156	7/17/2018	257.00	3272.42		
PTX06-1156	10/1/2018	257.05	3272.37		
PTX06-1156	11/6/2018	257.10	3272.32		
PTX06-1156	12/11/2018	257.00	3272.42		
PTX06-1156	1/14/2019	257.10	3272.32		
PTX06-1157	2/26/2018	398.30	3127.65		
PTX06-1157	6/19/2018	398.30	3127.65		
PTX06-1157	8/28/2018	398.40	3127.55		
PTX06-1157	12/10/2018	398.80	3127.15		
PTX06-1157	1/15/2019	398.20	3127.75		
PTX06-1158	3/6/2018	Dry			
PTX06-1158	6/19/2018	Dry			
PTX06-1158	8/27/2018	Dry			
PTX06-1158	12/10/2018	Dry			
PTX06-1158	1/22/2019	Dry			
PTX06-1159	3/5/2018	270.20	3271.67		
PTX06-1159	6/20/2018	270.00	3271.87		
PTX06-1159	7/31/2018	270.00	3271.87		
PTX06-1159	12/12/2018	269.70	3272.17		
PTX06-1159	1/24/2019	269.90	3271.97		
PTX06-1160	3/5/2018	274.20	3272.39		
PTX06-1160	6/20/2018	273.90	3272.69		
PTX06-1160	7/31/2018	273.90	3272.69		
PTX06-1160	12/12/2018	273.60	3272.99		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1160	1/24/2019	273.70	3272.89		
PTX06-1164	1/31/2018	272.84	3272.54		
PTX06-1164	5/29/2018	272.90	3272.48		
PTX06-1164	6/19/2018	272.88	3272.50		
PTX06-1164	7/25/2018	272.88	3272.50		
PTX06-1164	8/2/2018	272.88	3272.50		
PTX06-1164	8/3/2018	272.88	3272.50		
PTX06-1164	8/3/2018	272.88	3272.50		
PTX06-1164	8/6/2018	272.88	3272.50		
PTX06-1164	8/6/2018	272.88	3272.50		
PTX06-1164	8/7/2018	272.88	3272.50		
PTX06-1164	8/7/2018	272.88	3272.50		
PTX06-1164	8/9/2018	272.88	3272.50		
PTX06-1164	8/9/2018	272.88	3272.50		
PTX06-1164	8/16/2018	272.88	3272.50		
PTX06-1164	8/17/2018	272.88	3272.50		
PTX06-1164	8/20/2018	275.30	3270.08		
PTX06-1164	8/21/2018	271.80	3273.58		
PTX06-1164	8/22/2018	271.80	3273.58		
PTX06-1164	8/23/2018	271.58	3273.80		
PTX06-1164	8/24/2018	271.73	3273.65		
PTX06-1164	8/27/2018	271.80	3273.58		
PTX06-1164	8/28/2018	271.50	3273.88		
PTX06-1164	8/28/2018	271.40	3273.98		
PTX06-1164	8/29/2018	271.80	3273.58		
PTX06-1164	8/29/2018	271.90	3273.48		
PTX06-1164	8/30/2018	271.80	3273.58		
PTX06-1164	11/15/2018	272.26	3273.12		
PTX06-1164	12/11/2018	272.40	3272.98		
PTX06-1164	1/24/2019	272.70	3272.68		
PTX06-1164	1/25/2019	272.70	3272.68		
PTX06-1166	3/7/2018	281.70	3251.76		
PTX06-1166	6/21/2018	281.70	3251.76		
PTX06-1166	8/21/2018	281.70	3251.76		
PTX06-1166	12/11/2018	281.80	3251.66		
PTX06-1166	1/28/2019	281.90	3251.56		
PTX06-1167	3/7/2018	Dry			
PTX06-1167	6/21/2018	Dry			
PTX06-1167	8/21/2018	Dry			

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1167	12/11/2018	Dry			
PTX06-1167	1/28/2019	Dry			
PTX06-1168	6/26/2018	278.30	3255.39		
PTX06-1168	12/12/2018	277.80	3255.89		
PTX06-1169	9/25/2018	267.20	3272.52		
PTX06-1170	1/30/2018	270.90	3271.84		
PTX06-1170	5/22/2018	270.30	3272.44		
PTX06-1170	6/18/2018	269.31	3273.43		
PTX06-1170	7/25/2018	270.31	3272.43		
PTX06-1170	9/25/2018	270.00	3272.74		
PTX06-1170	11/14/2018	270.05	3272.69		
PTX06-1170	12/11/2018	269.95	3272.79		
PTX06-1170	1/23/2019	270.20	3272.54		
PTX06-1171	6/20/2018	271.70	3272.84		
PTX06-1171	8/7/2018	271.60	3272.94		
PTX06-1171	12/12/2018	271.10	3273.44		
PTX06-1173	1/29/2018	271.27	3271.70		
PTX06-1173	5/21/2018	271.10	3271.87		
PTX06-1173	6/19/2018	271.00	3271.97		
PTX06-1173	7/18/2018	269.80	3273.17		
PTX06-1173	11/7/2018	270.80	3272.17		
PTX06-1173	12/11/2018	270.60	3272.37		
PTX06-1173	1/15/2019	270.70	3272.27		
PTX06-1174	1/29/2018	272.52	3271.77		
PTX06-1174	5/21/2018	272.30	3271.99		
PTX06-1174	6/19/2018	272.24	3272.05		
PTX06-1174	7/18/2018	272.18	3272.11		
PTX06-1174	11/7/2018	271.90	3272.39		
PTX06-1174	12/11/2018	271.77	3272.52		
PTX06-1174	1/15/2019	271.90	3272.39		
PTX06-1175	1/29/2018	273.80	3271.49		
PTX06-1175	5/21/2018	273.64	3271.65		
PTX06-1175	6/6/2018	273.48	3271.81		
PTX06-1175	6/19/2018	273.55	3271.74		
PTX06-1175	7/18/2018	273.90	3271.39		
PTX06-1175	11/7/2018	273.30	3271.99		
PTX06-1175	11/7/2018	273.30	3271.99		
PTX06-1175	12/11/2018	273.50	3271.79		
PTX06-1175	1/15/2019	273.30	3271.99		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1176	1/30/2018	271.91	3272.24		
PTX06-1176	5/22/2018	272.00	3272.15		
PTX06-1176	6/18/2018	272.02	3272.13		
PTX06-1176	7/25/2018	272.00	3272.15		
PTX06-1176	8/2/2018	272.00	3272.15		
PTX06-1176	8/3/2018	272.00	3272.15		
PTX06-1176	8/3/2018	272.00	3272.15		
PTX06-1176	8/6/2018	272.00	3272.15		
PTX06-1176	8/6/2018	272.00	3272.15		
PTX06-1176	8/7/2018	272.00	3272.15		
PTX06-1176	8/7/2018	272.00	3272.15		
PTX06-1176	8/9/2018	272.00	3272.15		
PTX06-1176	8/9/2018	272.00	3272.15		
PTX06-1176	8/16/2018	272.00	3272.15		
PTX06-1176	8/17/2018	272.00	3272.15		
PTX06-1176	8/20/2018	270.60	3273.55		
PTX06-1176	8/21/2018	270.45	3273.70		
PTX06-1176	8/22/2018	270.55	3273.60		
PTX06-1176	8/23/2018	270.40	3273.75		
PTX06-1176	8/24/2018	270.91	3273.24		
PTX06-1176	8/27/2018	270.35	3273.80		
PTX06-1176	8/28/2018	270.80	3273.35		
PTX06-1176	8/28/2018	270.90	3273.25		
PTX06-1176	8/29/2018	271.00	3273.15		
PTX06-1176	8/29/2018	272.00	3272.15		
PTX06-1176	9/17/2018	271.31	3272.84		
PTX06-1176	11/14/2018	271.52	3272.63		
PTX06-1176	12/11/2018	271.50	3272.65		
PTX06-1176	1/23/2019	271.80	3272.35		
PTX06-1177	1/31/2018	272.80	3271.94		
PTX06-1177	5/29/2018	272.68	3272.06		
PTX06-1177	6/19/2018	272.72	3272.02		
PTX06-1177	7/25/2018	272.71	3272.03		
PTX06-1177	8/2/2018	272.71	3272.03		
PTX06-1177	8/3/2018	272.71	3272.03		
PTX06-1177	8/3/2018	272.71	3272.03		
PTX06-1177	8/6/2018	272.71	3272.03		
PTX06-1177	8/6/2018	272.71	3272.03		
PTX06-1177	8/7/2018	272.71	3272.03		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1177	8/7/2018	272.71	3272.03		
PTX06-1177	8/9/2018	272.71	3272.03		
PTX06-1177	8/9/2018	272.71	3272.03		
PTX06-1177	8/16/2018	272.71	3272.03		
PTX06-1177	8/17/2018	272.71	3272.03		
PTX06-1177	8/20/2018	272.34	3272.40		
PTX06-1177	8/21/2018	272.21	3272.53		
PTX06-1177	8/22/2018	272.10	3272.64		
PTX06-1177	8/23/2018	272.45	3272.29		
PTX06-1177	8/24/2018	272.11	3272.63		
PTX06-1177	8/27/2018	272.50	3272.24		
PTX06-1177	8/28/2018	272.30	3272.44		
PTX06-1177	8/28/2018	272.30	3272.44		
PTX06-1177	8/29/2018	272.35	3272.39		
PTX06-1177	8/29/2018	272.10	3272.64		
PTX06-1177	8/30/2018	272.44	3272.30		
PTX06-1177	11/15/2018	272.23	3272.51		
PTX06-1177	12/11/2018	272.28	3272.46		
PTX06-1177	1/24/2019	272.55	3272.19		
PTX06-1180	6/11/2018	274.60	3272.77		
PTX06-1180	6/21/2018	274.60	3272.77		
PTX06-1180	12/3/2018	274.70	3272.67		
PTX06-1180	12/11/2018	274.30	3273.07		
PTX06-1181	3/1/2018	274.80	3272.61	299	3248.41
PTX06-1181	6/11/2018	274.50	3272.91		
PTX06-1181	6/21/2018	274.50	3272.91		
PTX06-1181	12/3/2018	274.60	3272.81		
PTX06-1181	12/11/2018	274.20	3273.21		
PTX06-1182	4/9/2018	277.30	3240.02	285	3232.32
PTX06-1182	4/26/2018	277.00	3240.32	286	3231.32
PTX06-1182	3/26/2018	277.10	3240.22	286	3231.32
PTX06-1182	5/23/2018	277.10	3240.22		
PTX06-1182	6/19/2018	277.00	3240.32		
PTX06-1182	12/4/2018	277.20	3240.12		
PTX06-1182	12/10/2018	277.00	3240.32		
PTX06-1183	5/8/2018	280.40	3253.92		
PTX06-1183	6/21/2018	280.40	3253.92		
PTX06-1183	12/4/2018	280.70	3253.62		
PTX06-1183	12/11/2018	280.40	3253.92		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1184	6/19/2018	273.20	3242.97		
PTX06-1184	12/10/2018	273.50	3242.67		
PTX06-1185	4/26/2018	279.70	3237.67	286	3231.37
PTX06-1185	4/9/2018	279.90	3237.47	286	3231.37
PTX06-1185	3/26/2018	279.70	3237.67	286	3231.37
PTX06-1185	3/1/2018	280.00	3237.37	286	3231.37
PTX06-1185	1/24/2018	279.70	3237.67		
PTX06-1185	3/6/2018	280.00	3237.37		
PTX06-1185	6/19/2018	279.70	3237.67		
PTX06-1185	8/27/2018	275.40	3241.97		
PTX06-1185	12/10/2018	279.60	3237.77		
PTX06-1185	1/30/2019	279.70	3237.67		
PTX06-1188	6/26/2018	Dry			
PTX06-1188	12/19/2018	Dry			
PTX06-1189	6/26/2018	Dry			
PTX06-1189	12/19/2018	Dry			
PTX06-1190	11/20/2018	282.10	3236.49	290	3228.59
PTX06-1190	3/1/2018	282.40	3236.19	290	3228.59
PTX06-1190	1/24/2018	282.10	3236.49		
PTX06-1190	3/6/2018	282.30	3236.29		
PTX06-1190	6/19/2018	282.20	3236.39		
PTX06-1190	8/27/2018	282.00	3236.59		
PTX06-1190	12/10/2018	282.00	3236.59		
PTX06-1190	1/30/2019	282.10	3236.49		
PTX06-1191	7/27/2018	281.30	3233.78	295	3220.08
PTX06-1191	2/12/2018	281.30	3233.78	295	3220.08
PTX06-1191	2/13/2018	281.30	3233.78		
PTX06-1191	6/19/2018	281.21	3233.87		
PTX06-1191	10/1/2018	281.30	3233.78		
PTX06-1191	12/12/2018	281.20	3233.88		
PTX06-1192	11/20/2018	281.00	3231.32	296	3216.32
PTX06-1192	9/19/2018	281.00	3231.32	296	3216.32
PTX06-1192	7/27/2018	281.00	3231.32	296	3216.32
PTX06-1192	2/12/2018	280.80	3231.52	296	3216.32
PTX06-1192	2/14/2018	280.80	3231.52		
PTX06-1192	6/19/2018	280.80	3231.52		
PTX06-1192	10/1/2018	280.90	3231.42		
PTX06-1192	12/10/2018	280.90	3231.42		
PTX06-1193	6/19/2018	Dry			

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-1193	12/10/2018	Dry			
PTX06-1194	7/27/2018	279.40	3235.35	282	3232.75
PTX06-1194	2/12/2018	279.40	3235.35	282	3232.75
PTX06-1194	2/13/2018	279.40	3235.35		
PTX06-1194	2/22/2018	279.40	3235.35		
PTX06-1194	6/19/2018	279.41	3235.34		
PTX06-1194	10/1/2018	279.40	3235.35		
PTX06-1194	12/12/2018	279.50	3235.25		
PTX06-1195	5/23/2018	284.00	3234.88	293	3225.88
PTX06-1195	2/12/2018	284.20	3234.68	293	3225.88
PTX06-1195	2/14/2018	284.20	3234.68		
PTX06-1195	6/19/2018	284.20	3234.68		
PTX06-1195	10/1/2018	284.20	3234.68		
PTX06-1195	12/10/2018	284.10	3234.78		
PTX06-1196	12/17/2018	282.00	3232.95	294	3220.95
PTX06-1196	10/1/2018	282.00	3232.95	294	3220.95
PTX06-1196	8/10/2018	281.90	3233.05	294	3220.95
PTX06-1196	8/20/2018	282.00	3232.40		
PTX06-1196	10/2/2018	282.00	3232.40		
PTX06-1196	1/7/2019	282.00	3232.40		
PTX06-1197	12/17/2018	281.40	3231.67	291	3222.07
PTX06-1197	8/10/2018	281.40	3231.67	291	3222.07
PTX06-1197	8/20/2018	281.60	3230.92		
PTX06-1197	12/10/2018	281.40	3231.12		
PTX06-1198	2/28/2018	284.10	3246.55		
PTX06-1198	6/19/2018	284.30	3246.35		
PTX06-1198	1/7/2019	284.60	3246.05		
PTX06-1199	12/17/2018	282.70	3231.20	294	3219.90
PTX06-1199	8/10/2018	282.70	3231.20	294	3219.90
PTX06-1199	8/20/2018	282.80	3230.55		
PTX06-1199	12/10/2018	282.70	3230.65		
PTX06-1200	1/9/2019	286.10			
PTX06-1201	1/14/2019	285.30			
PTX06-1202	1/15/2019	285.30			
PTX06-EW-12	6/29/2018	273.50	3256.39	282	3247.89
PTX06-EW-16	7/2/2018	263.50	3273.43	279	3257.93
PTX06-EW-17	7/2/2018	262.30	3274.86	278	3259.66
PTX06-EW-18	7/3/2018	260.00	3276.86	278	3258.86
PTX06-EW-3	6/27/2018	271.00	3259.71	283	3247.71

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-EW-41	6/28/2018	274.00	3253.97	287	3240.97
PTX06-EW-48	6/29/2018	274.20	3256.00	287	3243.20
PTX06-EW-56	6/29/2018	272.60	3261.31	294	3239.91
PTX06-EW-82	2/28/2018	284.10	3246.55	301	3229.65
PTX06-EW-82	1/30/2018	284.10	3246.55	301	3229.65
PTX06-EW-83	5/14/2018	284.40	3245.75	302	3228.15
PTX06-EW-83	2/7/2018	284.50	3245.65	302	3228.15
PTX06-EW-83	2/7/2018	284.50	3245.65		
PTX06-EW-84	2/8/2018	284.10	3245.91	303	3227.01
PTX06-EW-84	2/8/2018	284.10	3245.91		
PTX06-EW-85	5/21/2018	284.10	3245.74	302	3227.84
PTX06-EW-86	5/22/2018	283.90	3245.76	302	3227.66
PTX06-EW-87	4/10/2018	284.20	3245.51	304	3225.71
PTX06-EW-87	2/28/2018	283.90	3245.81	304	3225.71
PTX06-EW-88	6/28/2018	280.20	3245.88	301	3225.58
PTX06-EW-88	4/10/2018	283.70	3242.38	304	3222.08
PTX06-EW-88	2/26/2018	283.70	3242.38	304	3222.08
PTX06-EW-88	6/28/2018	280.20	3245.88		
PTX06-ISB010	6/19/2018	284.60	3246.64		
PTX06-ISB010	12/11/2018	284.54	3246.70		
PTX06-ISB011	6/19/2018	285.32	3245.39		
PTX06-ISB011	12/11/2018	285.31	3245.40		
PTX06-ISB012	6/19/2018	285.46	3245.73		
PTX06-ISB012	12/11/2018	285.48	3245.71		
PTX06-ISB013	6/19/2018	284.80	3245.76		
PTX06-ISB013	12/11/2018	284.83	3245.73		
PTX06-ISB014	2/12/2018	287.00	3243.55		
PTX06-ISB014	4/25/2018	287.10	3243.45		
PTX06-ISB014	6/19/2018	287.10	3243.45		
PTX06-ISB014	9/10/2018	287.10	3243.45		
PTX06-ISB014	10/30/2018	287.16	3243.39		
PTX06-ISB014	12/11/2018	287.20	3243.35		
PTX06-ISB015	6/21/2018	285.47	3244.73		
PTX06-ISB015	12/11/2018	285.50	3244.70		
PTX06-ISB016	6/21/2018	281.33	3248.59		
PTX06-ISB016	12/12/2018	281.35	3248.57		
PTX06-ISB017	6/21/2018	Dry			
PTX06-ISB017	12/12/2018	Dry			
PTX06-ISB018	6/21/2018	285.47	3244.02		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB018	12/12/2018	285.50	3243.99		
PTX06-ISB019	2/12/2018	289.18	3240.49		
PTX06-ISB019	4/25/2018	289.21	3240.46		
PTX06-ISB019	6/21/2018	289.20	3240.47		
PTX06-ISB019	9/10/2018	289.19	3240.48		
PTX06-ISB019	10/30/2018	289.24	3240.43		
PTX06-ISB019	12/12/2018	289.25	3240.42		
PTX06-ISB020	6/21/2018	284.12	3244.43		
PTX06-ISB020	12/12/2018	284.20	3244.35		
PTX06-ISB021	6/21/2018	280.18	3249.08		
PTX06-ISB021	12/12/2018	280.46	3248.80		
PTX06-ISB022	6/21/2018	282.37	3246.53		
PTX06-ISB022	12/12/2018	288.33	3240.57		
PTX06- ISB023A	6/21/2018	287.65	3241.62		
PTX06- ISB023A	12/12/2018	287.68	3241.59		
PTX06-ISB024	2/12/2018	280.91	3248.03		
PTX06-ISB024	4/25/2018	282.03	3246.91		
PTX06-ISB024	6/21/2018	Dry			
PTX06-ISB024	9/10/2018	281.60	3247.34		
PTX06-ISB024	10/30/2018	282.05	3246.89		
PTX06-ISB024	12/12/2018	Dry			
PTX06-ISB025	6/21/2018	285.35	3243.64		
PTX06-ISB025	12/12/2018	285.33	3243.66		
PTX06-ISB026	6/21/2018	283.85	3245.02		
PTX06-ISB026	12/12/2018	283.90	3244.97		
PTX06-ISB027	6/21/2018	281.28	3247.30		
PTX06-ISB027	12/12/2018	281.30	3247.28		
PTX06-ISB028	6/21/2018	Dry			
PTX06-ISB028	12/12/2018	Dry			
PTX06- ISB029A	6/21/2018	289.08	3241.64		
PTX06- ISB029A	12/12/2018	289.15	3241.57		
PTX06- ISB030B	2/13/2018	283.69	3247.09		
PTX06- ISB030B	5/8/2018	283.70	3247.08		
PTX06- ISB030B	6/21/2018	283.94	3246.84		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06- ISB030B	9/5/2018	283.87	3246.91		
PTX06- ISB030B	11/1/2018	283.94	3246.84		
PTX06- ISB030B	12/12/2018	284.15	3246.63		
PTX06-ISB031	6/21/2018	Dry			
PTX06-ISB031	12/12/2018	Dry			
PTX06-ISB032	6/21/2018	Dry			
PTX06-ISB032	12/12/2018	283.17	3247.11		
PTX06-ISB033	6/21/2018	283.12	3246.78		
PTX06-ISB033	12/12/2018	283.20	3246.70		
PTX06-ISB034	6/21/2018	290.15	3239.45		
PTX06-ISB034	12/12/2018	290.18	3239.42		
PTX06-ISB035	6/21/2018	283.75	3245.44		
PTX06-ISB035	12/12/2018	284.91	3244.28		
PTX06-ISB036	6/21/2018	280.03	3248.66		
PTX06-ISB036	12/12/2018	280.00	3248.69		
PTX06-ISB037	6/21/2018	280.45	3248.20		
PTX06-ISB037	12/12/2018	279.45	3249.20		
PTX06-ISB038	2/13/2018	279.30	3249.53		
PTX06-ISB038	5/8/2018	279.30	3249.53		
PTX06-ISB038	6/21/2018	279.54	3249.29		
PTX06-ISB038	9/5/2018	279.55	3249.28		
PTX06-ISB038	11/1/2018	279.80	3249.03		
PTX06-ISB038	12/12/2018	279.81	3249.02		
PTX06-ISB039	6/21/2018	279.80	3249.09		
PTX06-ISB039	12/12/2018	280.00	3248.89		
PTX06-ISB040	6/21/2018	279.50	3249.09		
PTX06-ISB040	12/12/2018	279.65	3248.94		
PTX06-ISB041	6/21/2018	279.81	3248.85		
PTX06-ISB041	12/12/2018	280.00	3248.66		
PTX06-ISB042	2/12/2018	285.55	3243.26		
PTX06-ISB042	4/25/2018	285.60	3243.21		
PTX06-ISB042	6/21/2018	285.51	3243.30		
PTX06-ISB042	9/10/2018	285.50	3243.31		
PTX06-ISB042	10/30/2018	285.52	3243.29		
PTX06-ISB042	12/12/2018	285.55	3243.26		
PTX06-ISB043	6/21/2018	285.13	3243.60		
PTX06-ISB043	12/12/2018	285.20	3243.53		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06- ISB044A	6/21/2018	280.26	3248.93		
PTX06- ISB044A	12/12/2018	280.40	3248.79		
PTX06-ISB045	6/21/2018	280.93	3247.49		
PTX06-ISB045	12/12/2018	281.20	3247.22		
PTX06-ISB046	2/12/2018	279.23	3249.25		
PTX06-ISB046	5/7/2018	279.22	3249.26		
PTX06-ISB046	6/21/2018	279.46	3249.02		
PTX06-ISB046	9/6/2018	279.34	3249.14		
PTX06-ISB046	11/5/2018	279.50	3248.98		
PTX06-ISB046	12/12/2018	279.60	3248.88		
PTX06-ISB047	6/21/2018	279.51	3248.89		
PTX06-ISB047	12/12/2018	279.62	3248.78		
PTX06-ISB048	2/12/2018	279.48	3249.05		
PTX06-ISB048	5/7/2018	279.20	3249.33		
PTX06-ISB048	6/21/2018	279.96	3248.57		
PTX06-ISB048	9/6/2018	279.55	3248.98		
PTX06-ISB048	11/5/2018	279.60	3248.93		
PTX06-ISB048	12/12/2018	279.83	3248.70		
PTX06-ISB049	6/21/2018	286.67	3241.98		
PTX06-ISB049	12/12/2018	286.70	3241.95		
PTX06-ISB050	6/21/2018	287.96	3240.42		
PTX06-ISB050	12/12/2018	288.00	3240.38		
PTX06-ISB051	6/21/2018	Dry			
PTX06-ISB051	12/12/2018	Dry			
PTX06-ISB055	2/14/2018	261.10	3272.92		
PTX06-ISB055	4/23/2018	261.30	3272.72		
PTX06-ISB055	6/18/2018	261.58	3272.44		
PTX06-ISB055	7/31/2018	261.36	3272.66		
PTX06-ISB055	11/28/2018	261.04	3272.98		
PTX06-ISB055	12/11/2018	261.55	3272.47		
PTX06-ISB059	2/19/2018	260.83	3272.84		
PTX06-ISB059	4/24/2018	260.95	3272.72		
PTX06-ISB059	6/18/2018	261.11	3272.56		
PTX06-ISB059	7/31/2018	260.85	3272.82		
PTX06-ISB059	10/16/2018	260.90	3272.77		
PTX06-ISB059	12/3/2018	260.95	3272.72		
PTX06-ISB059	12/10/2018	261.45	3272.22		
PTX06-ISB059	12/11/2018	262.78	3270.89		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB059	2/11/2019	260.70	3272.97		
PTX06-ISB061	10/16/2018	261.60	3272.55		
PTX06-ISB061	12/10/2018	261.49	3272.66		
PTX06-ISB063	2/19/2018	262.47	3273.42		
PTX06-ISB063	4/24/2018	262.65	3273.24		
PTX06-ISB063	6/18/2018	262.93	3272.96		
PTX06-ISB063	7/31/2018	262.75	3273.14		
PTX06-ISB063	12/3/2018	262.90	3272.99		
PTX06-ISB063	12/11/2018	262.82	3273.07		
PTX06-ISB063	2/11/2019	262.48	3273.41		
PTX06- ISB069A	2/22/2018	264.70	3273.42		
PTX06- ISB069A	4/10/2018	264.75	3273.37		
PTX06- ISB069A	6/18/2018	265.34	3272.78		
PTX06- ISB069A	10/4/2018	264.95	3273.17		
PTX06- ISB069A	12/4/2018	264.74	3273.38		
PTX06- ISB069A	12/11/2018	265.20	3272.92		
PTX06-ISB071	2/20/2018	267.72	3272.97		
PTX06-ISB071	4/9/2018	267.75	3272.94		
PTX06-ISB071	6/18/2018	264.87	3275.82		
PTX06-ISB071	10/4/2018	267.40	3273.29		
PTX06-ISB071	12/5/2018	267.37	3273.32		
PTX06-ISB071	12/11/2018	268.41	3272.28		
PTX06-ISB073	2/22/2018	269.50	3273.12		
PTX06-ISB073	4/10/2018	269.00	3273.62		
PTX06-ISB073	6/18/2018	268.81	3273.81		
PTX06-ISB073	10/4/2018	269.00	3273.62		
PTX06-ISB073	12/5/2018	268.78	3273.84		
PTX06-ISB073	12/11/2018	269.08	3273.54		
PTX06-ISB075	1/30/2018	268.90	3273.24		
PTX06-ISB075	5/23/2018	269.10	3273.04		
PTX06-ISB075	6/18/2018	269.08	3273.06		
PTX06-ISB075	8/1/2018	269.00	3273.14		
PTX06-ISB075	9/25/2018	268.90	3273.24		
PTX06-ISB075	11/27/2018	268.85	3273.29		
PTX06-ISB075	12/11/2018	268.80	3273.34		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB075	1/29/2019	269.00	3273.14		
PTX06-ISB075	2/4/2019	261.30	3280.84		
PTX06-ISB077	2/20/2018	267.39	3272.60		
PTX06-ISB077	4/9/2018	267.45	3272.54		
PTX06-ISB077	6/18/2018	266.65	3273.34		
PTX06-ISB077	10/16/2018	267.14	3272.85		
PTX06-ISB077	12/4/2018	267.10	3272.89		
PTX06-ISB077	12/10/2018	267.95	3272.04		
PTX06-ISB077	12/11/2018	269.13	3270.86		
PTX06-ISB079	2/5/2018	259.83	3271.80		
PTX06-ISB079	5/29/2018	259.92	3271.71		
PTX06-ISB079	6/19/2018	259.91	3271.72		
PTX06-ISB079	8/1/2018	259.95	3271.68		
PTX06-ISB079	11/27/2018	259.95	3271.68		
PTX06-ISB079	12/11/2018	260.00	3271.63		
PTX06-ISB079	1/29/2019	260.10	3271.53		
PTX06-ISB082	2/5/2018	258.38	3272.02		
PTX06-ISB082	5/23/2018	258.64	3271.76		
PTX06-ISB082	6/18/2018	258.59	3271.81		
PTX06-ISB082	8/1/2018	258.58	3271.82		
PTX06-ISB082	11/27/2018	258.60	3271.80		
PTX06-ISB082	12/11/2018	258.56	3271.84		
PTX06-ISB082	1/29/2019	258.70	3271.70		
PTX06-ISB107	4/9/2018	277.20	3238.81	285	3231.01
PTX06-ISB107	1/23/2018	277.30	3238.71		
PTX06-ISB107	6/19/2018	277.03	3238.98		
PTX06-ISB107	9/26/2018	277.00	3239.01		
PTX06-ISB107	12/12/2018	276.73	3239.28		
PTX06-ISB108	1/4/2018	277.50	3238.81	285	3231.31
PTX06-ISB108	2/5/2018	277.50	3238.81		
PTX06-ISB109	1/4/2018	277.70	3238.55	285	3231.25
PTX06-ISB109	1/31/2018	277.60	3238.65		
PTX06-ISB109	6/19/2018	277.60	3238.65		
PTX06-ISB109	12/12/2018	277.33	3238.92		
PTX06-ISB110	1/3/2018	278.00	3238.41	285	3231.91
PTX06-ISB110	1/31/2018	278.00	3238.41		
PTX06-ISB111	1/29/2018	278.70	3238.05	284	3232.75
PTX06-ISB111	1/3/2018	278.50	3238.25	284	3232.75
PTX06-ISB111	2/5/2018	278.50	3238.25		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB111	6/19/2018	278.50	3238.25		
PTX06-ISB111	12/12/2018	278.25	3238.50		
PTX06-ISB112	1/3/2018	278.60	3238.00	286	3231.10
PTX06-ISB112	1/10/2018	278.60	3238.00		
PTX06-ISB113	1/3/2018	278.80	3237.88	289	3227.68
PTX06-ISB113	1/31/2018	278.80	3237.88		
PTX06-ISB113	6/19/2018	278.78	3237.90		
PTX06-ISB113	12/12/2018	278.54	3238.14		
PTX06-ISB114	1/4/2018	279.10	3237.62	286	3231.22
PTX06-ISB114	1/30/2018	279.00	3237.72		
PTX06-ISB114	9/26/2018	279.00	3237.72		
PTX06-ISB115	1/4/2018	279.50	3237.29	286	3231.29
PTX06-ISB115	1/30/2018	279.50	3237.29		
PTX06-ISB115	6/19/2018	279.47	3237.32		
PTX06-ISB115	12/12/2018	279.25	3237.54		
PTX06-ISB116	1/10/2018	279.80	3236.99		
PTX06-ISB117	1/4/2018	280.10	3236.68	285	3232.28
PTX06-ISB117	1/30/2018	280.10	3236.68		
PTX06-ISB117	6/19/2018	280.16	3236.62		
PTX06-ISB117	12/12/2018	279.90	3236.88		
PTX06-ISB118	1/3/2018	280.50	3236.31	285	3231.81
PTX06-ISB118	1/24/2018	280.60	3236.21		
PTX06-ISB119	1/29/2018	280.80	3235.95	283	3233.75
PTX06-ISB119	2/7/2018	280.80	3235.95		
PTX06-ISB119	6/19/2018	280.72	3236.03		
PTX06-ISB119	12/12/2018	280.45	3236.30		
PTX06-ISB120	1/29/2018	281.20	3235.75		
PTX06-ISB121	1/22/2018	281.70	3235.56		
PTX06-ISB121	6/19/2018	281.60	3235.66		
PTX06-ISB121	9/26/2018	281.50	3235.76		
PTX06-ISB121	12/12/2018	281.40	3235.86		
PTX06-ISB122	1/29/2018	281.90	3235.31		
PTX06-ISB123	1/9/2018	281.90	3235.40		
PTX06-ISB123	6/19/2018	282.02	3235.28		
PTX06-ISB123	12/12/2018	281.70	3235.60		
PTX06-ISB124	4/9/2018	282.00	3235.11	292	3225.11
PTX06-ISB124	1/29/2018	282.10	3235.01		
PTX06-ISB124	6/19/2018	281.94	3235.17		
PTX06-ISB124	9/25/2018	281.10	3236.01		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX06-ISB124	12/12/2018	281.53	3235.58		
PTX06-ISB125	1/29/2018	282.20	3234.95	293	3224.15
PTX06-ISB125	2/7/2018	282.10	3235.05		
PTX06-ISB125	6/19/2018	282.13	3235.02		
PTX06-ISB125	12/12/2018	281.79	3235.36		
PTX06-ISB126	1/9/2018	282.10	3234.99		
PTX06-ISB126	9/25/2018	282.10	3234.99		
PTX06-ISB127	1/25/2018	282.10	3235.04		
PTX06-ISB127	6/19/2018	282.41	3234.73		
PTX06-ISB127	12/12/2018	282.04	3235.10		
PTX06-ISB128	1/8/2018	282.50	3234.61		
PTX06-ISB129	1/25/2018	282.60	3234.53		
PTX06-ISB129	6/19/2018	282.65	3234.48		
PTX06-ISB129	9/25/2018	282.50	3234.63		
PTX06-ISB129	12/12/2018	282.50	3234.63		
PTX06-ISB130	1/29/2018	283.00	3234.28	291	3226.28
PTX06-ISB130	1/25/2018	282.80	3234.48		
PTX06-ISB130	2/23/2018	282.80	3234.48		
PTX06-ISB131	1/8/2018	283.10	3234.10		
PTX06-ISB131	6/19/2018	283.04	3234.16		
PTX06-ISB131	12/12/2018	282.63	3234.57		
PTX06-PRB14	12/11/2018	Dry			
PTX06-PZ01	6/21/2018	261.60	3280.43		
PTX06-PZ01	12/11/2018	261.40	3280.63		
PTX06-PZ02	6/26/2018	260.50	3281.69		
PTX06-PZ02	12/11/2018	260.80	3281.39		
PTX06-PZ03	6/21/2018	262.30	3280.00		
PTX06-PZ03	12/11/2018	261.90	3280.40		
PTX06-PZ05	6/26/2018	267.70	3273.97		
PTX06-PZ05	12/12/2018	268.60	3273.07		
PTX06-PZ06	6/26/2018	278.60	3258.42		
PTX06-PZ06	12/12/2018	278.70	3258.32		
PTX07-1001	6/21/2018	258.30	3294.15		
PTX07-1001	8/22/2018	259.00	3293.45		
PTX07-1001	12/11/2018	257.60	3294.85		
PTX07-1002	3/8/2018	260.50	3290.83		
PTX07-1002	6/21/2018	260.60	3290.73		
PTX07-1002	8/22/2018	260.70	3290.63		
PTX07-1002	12/11/2018	260.80	3290.53		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX07-1O02	1/23/2019	260.80	3290.53		
PTX07-1O03	6/26/2018	253.00	3297.51		
PTX07-1O03	8/22/2018	252.90	3297.61		
PTX07-1O03	12/11/2018	252.60	3297.91		
PTX07-1O04	6/21/2018	259.00	3293.51		
PTX07-1O04	12/11/2018	259.00	3293.51		
PTX07-1O05	6/21/2018	257.20	3295.10		
PTX07-1O05	12/11/2018	257.20	3295.10		
PTX07-1O06	6/21/2018	Dry			
PTX07-1O06	7/18/2018	Dry			
PTX07-1O06	12/11/2018	Dry			
PTX07-1P01	6/21/2018	248.60	3295.25		
PTX07-1P01	12/12/2018	248.70	3295.15		
PTX07-1P02	6/4/2018	241.20	3293.69		
PTX07-1P02	6/21/2018	241.10	3293.79		
PTX07-1P02	10/30/2018	240.80	3294.09		
PTX07-1P02	12/12/2018	240.60	3294.29		
PTX07-1P03	6/21/2018	255.30	3291.50		
PTX07-1P03	12/10/2018	255.30	3291.50		
PTX07-1P04	6/21/2018	Dry			
PTX07-1P04	12/12/2018	Dry			
PTX07-1P05	6/4/2018	251.10	3294.22		
PTX07-1P05	6/21/2018	251.10	3294.22		
PTX07-1P05	12/12/2018	251.00	3294.32		
PTX07-1P06	6/21/2018	256.00	3289.50		
PTX07-1P06	12/12/2018	255.90	3289.60		
PTX07-1Q01	6/26/2018	277.40	3270.15		
PTX07-1Q01	8/6/2018	277.90	3269.65		
PTX07-1Q01	12/12/2018	276.80	3270.75		
PTX07-1Q02	6/26/2018	281.90	3270.17		
PTX07-1Q02	8/6/2018	281.80	3270.27		
PTX07-1Q02	12/12/2018	281.40	3270.67		
PTX07-1Q03	6/26/2018	264.80	3272.31		
PTX07-1Q03	8/6/2018	264.70	3272.41		
PTX07-1Q03	12/12/2018	264.30	3272.81		
PTX07-1R01	5/7/2018	457.80	3114.07		
PTX07-1R01	6/19/2018	457.70	3114.17		
PTX07-1R01	11/5/2018	458.10	3113.77		
PTX07-1R01	12/10/2018	458.70	3113.17		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX07-1R03	6/19/2018	253.10	3320.40		
PTX07-1R03	12/10/2018	252.90	3320.60		
PTX08-1001	6/4/2018	226.00	3292.86		
PTX08-1001	6/21/2018	225.90	3292.96		
PTX08-1001	12/12/2018	225.30	3293.56		
PTX08-1002	6/4/2018	228.40	3288.61		
PTX08-1002	6/21/2018	228.20	3288.81		
PTX08-1002	10/30/2018	227.70	3289.31		
PTX08-1002	12/12/2018	227.50	3289.51		
PTX08-1003	5/14/2018	276.80	3276.69		
PTX08-1003	6/20/2018	276.80	3276.69		
PTX08-1003	12/10/2018	276.50	3276.99		
PTX08-1005	3/8/2018	271.60	3275.13		
PTX08-1005	6/20/2018	271.80	3274.93		
PTX08-1005	8/15/2018	271.70	3275.03		
PTX08-1005	12/11/2018	271.60	3275.13		
PTX08-1006	3/12/2018	272.20	3273.56		
PTX08-1006	6/20/2018	272.10	3273.66		
PTX08-1006	8/23/2018	272.10	3273.66		
PTX08-1006	12/11/2018	272.10	3273.66		
PTX08-1007	6/6/2018	272.50	3276.31		
PTX08-1007	6/21/2018	272.60	3276.21		
PTX08-1007	12/11/2018	272.30	3276.51		
PTX08-1008	6/5/2018	269.20	3269.27		
PTX08-1008	6/20/2018	269.30	3269.17		
PTX08-1008	12/4/2018	269.40	3269.07		
PTX08-1008	12/12/2018	269.10	3269.37		
PTX08-1009	6/5/2018	275.40	3263.80		
PTX08-1009	6/20/2018	275.60	3263.60		
PTX08-1009	11/1/2018	275.40	3263.80		
PTX08-1009	11/1/2018	275.40	3263.80		
PTX08-1009	12/12/2018	275.20	3264.00		
PTX08-1010	6/26/2018	216.70	3308.02		
PTX08-1010	12/11/2018	216.70	3308.02		
PTX08-1011A	6/19/2018	408.70	3167.88		
PTX08-1011A	12/10/2018	409.20	3167.38		
PTX10-1008	6/21/2018	266.70	3277.38		
PTX10-1008	12/10/2018	266.70	3277.38		
PTX10-1014	6/11/2018	261.20	3282.99		

Location	Sample Date	Depth to Water ft btoc	GW Elevation ft amsl	Total Well Depth ft btoc	Total Depth Elevation ft amsl
PTX10-1014	6/20/2018	261.30	3282.89		
PTX10-1014	12/11/2018	260.60	3283.59		

btoc – below top of casing

amsl – above mean sea level

Appendix D
Data Evaluation Table
and Electronic Data

Table D-1. 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		5/15/2018	Perchlorate	132	60			20.3	26
1114-MW4		5/15/2018	Trichloroethene	12.4	1		J	20.3	5
1114-MW4		11/28/2018	Perchlorate	110	24		J	7.2	26
1114-MW4		11/28/2018	Trichloroethene	14.7	1		J	7.2	5
OW-WR-38		6/5/2018	RDX	6.64	0.263		J-	0.41	2
PTX06-1002A		2/19/2018	RDX	15.1	0.658			0	2
PTX06-1002A		2/19/2018	TNX	3.73	0.263		J+	0	2
PTX06-1002A		8/14/2018	RDX	38.3	1.34			0.69	2
PTX06-1002A		8/14/2018	TNX	4.91	0.269			0.69	2
PTX06-1005		2/19/2018	RDX	15	0.672			2.6	2
PTX06-1005		2/19/2018	1,3,5-Trinitrobenzene	285	13.4			2.6	220
PTX06-1005		2/19/2018	Tetrachloroethene	5.19	1		J	2.6	5
PTX06-1005		2/19/2018	Trichloroethene	21.4	1		J	2.6	5
PTX06-1005		8/14/2018	RDX	8.21	0.665			0.96	2
PTX06-1005		8/14/2018	1,3,5-Trinitrobenzene	400	33.2			0.96	220
PTX06-1005		8/14/2018	Trichloroethene	26.5	1			0.96	5
PTX06-1006		6/12/2018	4-Amino-2,6-Dinitrotoluene	3.66	0.263			0.9	1.2
PTX06-1006		6/12/2018	Perchlorate	146	24			0.9	26
PTX06-1007		8/7/2018	4-Amino-2,6-Dinitrotoluene	25.9	1.34			0.58	1.2
PTX06-1007		8/7/2018	Perchlorate	104	24		J	0.58	26
PTX06-1008		6/12/2018	1,2-Dichloroethane	63.1	1			1.54	5
PTX06-1010		6/6/2018	Chromium, Total	1880	50		J	0.97	100
PTX06-1010		6/6/2018	Chromium, Hexavalent	1752.442	20	I		0.97	100
PTX06-1010		12/5/2018	Chromium, Total	1960	100			2.2	100
PTX06-1010		12/5/2018	Chromium, Hexavalent	1733.349	20	I		2.2	100
PTX06-1011		6/6/2018	Chromium, Total	179	10		J	6.64	100
PTX06-1011		6/6/2018	Trichloroethene	9.14	1			6.64	5
PTX06-1012		1/25/2018	1,4-Dioxane	18	5			1.94	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		5/15/2018	cis-1,2-Dichloroethene	81	5			2.29	70
PTX06-1012		5/15/2018	1,4-Dioxane	20	5			2.29	7.7
PTX06-1012		7/17/2018	cis-1,2-Dichloroethene	110	5			3.18	70
PTX06-1012		7/17/2018	1,4-Dioxane	21	5			3.18	7.7
PTX06-1012		11/6/2018	cis-1,2-Dichloroethene	76	5		J	2.3	70
PTX06-1012		11/6/2018	1,4-Dioxane	14	5		J	2.3	7.7
PTX06-1013		5/8/2018	RDX	5.45	0.263		J+	0.45	2
PTX06-1014		7/18/2018	2-Amino-4,6-Dinitrotoluene	1.64	0.263			0.3	1.2
PTX06-1014		7/18/2018	4-Amino-2,6-Dinitrotoluene	2.4	0.263			0.3	1.2
PTX06-1014		7/18/2018	RDX	686	32.9			0.3	2
PTX06-1014		7/18/2018	TNX	21.8	3.29			0.3	2
PTX06-1015		3/7/2018	2-Amino-4,6-Dinitrotoluene	3.14	0.266			1.61	1.2
PTX06-1015		3/7/2018	4-Amino-2,6-Dinitrotoluene	3.43	0.266			1.61	1.2
PTX06-1015		3/7/2018	RDX	783	26.6		J	1.61	2
PTX06-1015		3/7/2018	TNX	57.4	3.32		J	1.61	2
PTX06-1015		8/21/2018	2-Amino-4,6-Dinitrotoluene	2.71	0.265			1.13	1.2
PTX06-1015		8/21/2018	4-Amino-2,6-Dinitrotoluene	3.44	0.265			1.13	1.2
PTX06-1015		8/21/2018	RDX	889	26.5		J	1.13	2
PTX06-1015		8/21/2018	TNX	38.5	6.61			1.13	2
PTX06-1031	Compliance	5/22/2018	4-Amino-2,6-Dinitrotoluene	2.73	0.266			2.7	1.2
PTX06-1031	Compliance	5/22/2018	RDX	788	66.5		J	2.7	2
PTX06-1031	Compliance	5/22/2018	TNX	14.3	2.66		J	2.7	2
PTX06-1031	Compliance	11/26/2018	4-Amino-2,6-Dinitrotoluene	2.5	0.278			9.8	1.2
PTX06-1031	Compliance	11/26/2018	RDX	659	69.4			9.8	2
PTX06-1031	Compliance	11/26/2018	TNX	24.9	6.94		J+	9.8	2
PTX06-1031	Compliance	11/26/2018	Chromium, Total	137	50			9.8	100
PTX06-1034	Compliance	2/28/2018	4-Amino-2,6-Dinitrotoluene	5.58	0.26			0	1.2
PTX06-1034	Compliance	2/28/2018	RDX	857	32.6			0	2
PTX06-1034	Compliance	2/28/2018	TNX	43	3.26			0	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1034	Compliance	8/27/2018	4-Amino-2,6-Dinitrotoluene	4.14	0.258			1.77	1.2
PTX06-1034	Compliance	8/27/2018	RDX	1250	32.2		J	1.77	2
PTX06-1034	Compliance	8/27/2018	TNX	84.9	32.2			1.77	2
PTX06-1035		3/5/2018	Perchlorate	143	24			0.32	26
PTX06-1035		7/31/2018	Perchlorate	208	120		J	0	26
PTX06-1037		5/9/2018	Arsenic	50	5			7.39	12
PTX06-1037		5/9/2018	Barium	2200	2		J	7.39	2000
PTX06-1037		9/18/2018	Arsenic	88	5			2.1	12
PTX06-1037		9/18/2018	Barium	2400	2			2.1	2000
PTX06-1038		2/12/2018	2-Amino-4,6-Dinitrotoluene	3.88	0.278			1.4	1.2
PTX06-1038		2/12/2018	4-Amino-2,6-Dinitrotoluene	6.69	0.278			1.4	1.2
PTX06-1038		2/12/2018	RDX	103	5.56		J	1.4	2
PTX06-1038		2/12/2018	TNT (2,4,6-Trinitrotoluene)	8.87	0.278			1.4	3.6
PTX06-1038		2/12/2018	TNX	5.5	0.278			1.4	2
PTX06-1038		8/13/2018	2-Amino-4,6-Dinitrotoluene	4.01	0.258			0.05	1.2
PTX06-1038		8/13/2018	4-Amino-2,6-Dinitrotoluene	7.38	0.258			0.05	1.2
PTX06-1038		8/13/2018	RDX	69.4	6.44			0.05	2
PTX06-1038		8/13/2018	TNT (2,4,6-Trinitrotoluene)	8.98	0.258			0.05	3.6
PTX06-1038		8/13/2018	TNX	3.5	0.258			0.05	2
PTX06-1039A		2/12/2018	2-Amino-4,6-Dinitrotoluene	5.11	0.269			3.2	1.2
PTX06-1039A		2/12/2018	4-Amino-2,6-Dinitrotoluene	21.5	2.69			3.2	1.2
PTX06-1039A		2/12/2018	DNX	9.96	0.269			3.2	2
PTX06-1039A		2/12/2018	MNX	3.39	0.269			3.2	2
PTX06-1039A		2/12/2018	RDX	508	26.9		J	3.2	2
PTX06-1039A		2/12/2018	TNT (2,4,6-Trinitrotoluene)	39.9	2.69			3.2	3.6
PTX06-1039A		2/12/2018	TNX	53.5	2.69			3.2	2
PTX06-1039A		8/13/2018	2-Amino-4,6-Dinitrotoluene	5.05	0.263			1.31	1.2
PTX06-1039A		8/13/2018	4-Amino-2,6-Dinitrotoluene	26.5	2.63			1.31	1.2
PTX06-1039A		8/13/2018	DNX	15.2	2.63			1.31	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1039A		8/13/2018	MNX	2.16	0.263			1.31	2
PTX06-1039A		8/13/2018	RDX	843	26.3			1.31	2
PTX06-1039A		8/13/2018	TNT (2,4,6-Trinitrotoluene)	38	2.63			1.31	3.6
PTX06-1039A		8/13/2018	TNX	61.7	2.63			1.31	2
PTX06-1040		2/12/2018	2-Amino-4,6-Dinitrotoluene	4.94	0.266				1.2
PTX06-1040		2/12/2018	4-Amino-2,6-Dinitrotoluene	22.7	2.66				1.2
PTX06-1040		2/12/2018	DNX	10.6	0.266				2
PTX06-1040		2/12/2018	RDX	756	26.6		J		2
PTX06-1040		2/12/2018	TNT (2,4,6-Trinitrotoluene)	58.8	2.66				3.6
PTX06-1040		2/12/2018	TNX	76	2.66				2
PTX06-1040		8/13/2018	2-Amino-4,6-Dinitrotoluene	5.62	0.269			0	1.2
PTX06-1040		8/13/2018	4-Amino-2,6-Dinitrotoluene	27.4	2.69			0	1.2
PTX06-1040		8/13/2018	DNX	8.83	2.69			0	2
PTX06-1040		8/13/2018	RDX	922	26.9			0	2
PTX06-1040		8/13/2018	TNT (2,4,6-Trinitrotoluene)	50.8	2.69			0	3.6
PTX06-1040		8/13/2018	TNX	55	2.69			0	2
PTX06-1041		3/8/2018	2-Amino-4,6-Dinitrotoluene	4.51	0.266			0.54	1.2
PTX06-1041		3/8/2018	4-Amino-2,6-Dinitrotoluene	14.6	3.32			0.54	1.2
PTX06-1041		3/8/2018	RDX	791	26.6		J	0.54	2
PTX06-1041		3/8/2018	TNX	27	3.32		J	0.54	2
PTX06-1041		8/23/2018	2-Amino-4,6-Dinitrotoluene	4.33	0.275			0.38	1.2
PTX06-1041		8/23/2018	4-Amino-2,6-Dinitrotoluene	13.9	3.43			0.38	1.2
PTX06-1041		8/23/2018	RDX	792	34.3		J	0.38	2
PTX06-1041		8/23/2018	TNX	17.1	3.43			0.38	2
PTX06-1042	Compliance	2/28/2018	4-Amino-2,6-Dinitrotoluene	3.64	0.263			0	1.2
PTX06-1042	Compliance	2/28/2018	MNX	2.92	0.263			0	2
PTX06-1042	Compliance	2/28/2018	RDX	376	32.9			0	2
PTX06-1042	Compliance	2/28/2018	TNX	7.67	0.263			0	2
PTX06-1042	Compliance	8/23/2018	4-Amino-2,6-Dinitrotoluene	4.82	0.281			2.63	1.2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1042	Compliance	8/23/2018	RDX	402	35.1		J	2.63	2
PTX06-1042	Compliance	8/23/2018	TNX	3.82	0.281			2.63	2
PTX06-1046	Compliance	5/16/2018	2-Amino-4,6-Dinitrotoluene	1.35	0.275			0.66	1.2
PTX06-1046	Compliance	5/16/2018	4-Amino-2,6-Dinitrotoluene	3.91	0.275			0.66	1.2
PTX06-1046	Compliance	5/16/2018	RDX	1310	34.3			0.66	2
PTX06-1046	Compliance	5/16/2018	TNX	63.8	3.43			0.66	2
PTX06-1046	Compliance	11/26/2018	4-Amino-2,6-Dinitrotoluene	4.08	0.269			0.1	1.2
PTX06-1046	Compliance	11/26/2018	RDX	980	67.2			0.1	2
PTX06-1046	Compliance	11/26/2018	TNX	72.3	6.72			0.1	2
PTX06-1047A		5/16/2018	4-Amino-2,6-Dinitrotoluene	1.46	0.272			1.39	1.2
PTX06-1047A		5/16/2018	RDX	43.3	3.4			1.39	2
PTX06-1047A		5/16/2018	TNX	3.41	0.272			1.39	2
PTX06-1047A		11/19/2018	4-Amino-2,6-Dinitrotoluene	1.99	0.266			0.7	1.2
PTX06-1047A		11/19/2018	4-Amino-2,6-Dinitrotoluene	2.05	0.272				1.2
PTX06-1047A		11/19/2018	RDX	67.6	13.3		J	0.7	2
PTX06-1047A		11/19/2018	RDX	63.3	13.6		J		2
PTX06-1047A		11/19/2018	TNX	3.48	0.266			0.7	2
PTX06-1047A		11/19/2018	TNX	3.65	0.272				2
PTX06-1049		5/9/2018	4-Amino-2,6-Dinitrotoluene	1.36	0.26			4.68	1.2
PTX06-1049		10/23/2018	RDX	2.02	0.269		J	0.04	2
PTX06-1050	Compliance	5/9/2018	4-Amino-2,6-Dinitrotoluene	5.25	0.263			3.48	1.2
PTX06-1050	Compliance	5/9/2018	RDX	153	6.58			3.48	2
PTX06-1050	Compliance	5/9/2018	TNX	7.74	0.263			3.48	2
PTX06-1050	Compliance	10/23/2018	4-Amino-2,6-Dinitrotoluene	4.9	0.272		J	4.08	1.2
PTX06-1050	Compliance	10/23/2018	RDX	183	13.6		J	4.08	2
PTX06-1050	Compliance	10/23/2018	TNX	9.71	1.36		J	4.08	2
PTX06-1052	Compliance	3/7/2018	Chromium, Total	700	10			0	100
PTX06-1052	Compliance	3/7/2018	Chromium, Hexavalent	596.657	20	I	J	0	100
PTX06-1052	Compliance	8/21/2018	Chromium, Total	466	10			0.61	100

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1052	Compliance	8/21/2018	Chromium, Hexavalent	306.521	20	I		0.61	100
PTX06-1053		5/21/2018	2-Amino-4,6-Dinitrotoluene	1.36	0.26			0.37	1.2
PTX06-1053		11/27/2018	2-Amino-4,6-Dinitrotoluene	1.56	0.281			0.25	1.2
PTX06-1077A		8/7/2018	Trichloroethene	5.02	1		J	2.62	5
PTX06-1088		6/6/2018	RDX	19.4	1.32		J-	1.64	2
PTX06-1088		6/6/2018	Tetrachloroethene	6.36	1			1.64	5
PTX06-1088		6/6/2018	Trichloroethene	5.56	1			1.64	5
PTX06-1088		12/5/2018	RDX	11.1	3.36			0.8	2
PTX06-1088		12/5/2018	Tetrachloroethene	6.09	1		J	0.8	5
PTX06-1095A		2/19/2018	2-Amino-4,6-Dinitrotoluene	2.22	0.26			0	1.2
PTX06-1095A		2/19/2018	RDX	66.9	6.51			0	2
PTX06-1095A		2/19/2018	Trichloroethene	22.1	1		J	0	5
PTX06-1095A		8/14/2018	2-Amino-4,6-Dinitrotoluene	1.34	0.275			1.11	1.2
PTX06-1095A		8/14/2018	RDX	36.1	2.75			1.11	2
PTX06-1095A		8/14/2018	Trichloroethene	11.5	1			1.11	5
PTX06-1098		5/14/2018	Arsenic	28	5			23.1	12
PTX06-1098		5/14/2018	Barium	3200	2			23.1	2000
PTX06-1098		10/30/2018	Arsenic	27	5			12	12
PTX06-1098		10/30/2018	Barium	3400	2		J	12	2000
PTX06-1100		9/19/2018	Barium	6100	2		J	3.72	2000
PTX06-1101		9/19/2018	RDX	22.5	0.665		J	4.02	2
PTX06-1101		9/19/2018	Barium	2300	2		J	4.02	2000
PTX06-1101		9/19/2018	Trichloroethene	5.2	2.5			4.02	5
PTX06-1117		10/2/2018	RDX	7.59	0.278		J	9.99	2
PTX06-1117		12/11/2018	RDX	9.11	0.275			1.1	2
PTX06-1126	Compliance	5/23/2018	4-Amino-2,6-Dinitrotoluene	18.5	0.658			1.45	1.2
PTX06-1126	Compliance	5/23/2018	RDX	145	6.58			1.45	2
PTX06-1126	Compliance	5/23/2018	TNX	24.6	0.658			1.45	2
PTX06-1126	Compliance	5/23/2018	1,2-Dichloroethane	5.05	1			1.45	5

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1126	Compliance	5/23/2018	1,4-Dioxane	14.6	2			1.45	7.7
PTX06-1126	Compliance	5/23/2018	Tetrachloroethene	10.7	1			1.45	5
PTX06-1126	Compliance	5/23/2018	Trichloroethene	614	10	H	J-	1.45	5
PTX06-1126	Compliance	11/1/2018	4-Amino-2,6-Dinitrotoluene	2.98	0.272			9.04	1.2
PTX06-1126	Compliance	11/1/2018	RDX	14.3	0.543			9.04	2
PTX06-1126	Compliance	11/1/2018	TNX	3.34	0.272			9.04	2
PTX06-1126	Compliance	11/1/2018	1,2-Dichloroethane	8.6	20	J		9.04	5
PTX06-1126	Compliance	11/1/2018	1,4-Dioxane	11.4	2		J-	9.04	7.7
PTX06-1126	Compliance	11/1/2018	Tetrachloroethene	21.8	20			9.04	5
PTX06-1126	Compliance	11/1/2018	Trichloroethene	1500	20			9.04	5
PTX06-1127	Compliance	5/22/2018	4-Amino-2,6-Dinitrotoluene	20.4	1.32			4.46	1.2
PTX06-1127	Compliance	5/22/2018	RDX	71.6	32.9		J	4.46	2
PTX06-1127	Compliance	5/22/2018	TNX	5.24	0.263		J	4.46	2
PTX06-1127	Compliance	5/22/2018	Perchlorate	473	120			4.46	26
PTX06-1127	Compliance	5/22/2018	1,2-Dichloroethane	6.89	1		J	4.46	5
PTX06-1127	Compliance	5/22/2018	1,4-Dioxane	49.8	10			4.46	7.7
PTX06-1127	Compliance	5/22/2018	Tetrachloroethene	9.45	1		J	4.46	5
PTX06-1127	Compliance	5/22/2018	Trichloroethene	106	2		J	4.46	5
PTX06-1127	Compliance	11/1/2018	4-Amino-2,6-Dinitrotoluene	18.2	3.4			2.68	1.2
PTX06-1127	Compliance	11/1/2018	RDX	87	3.4			2.68	2
PTX06-1127	Compliance	11/1/2018	TNX	7.13	0.272		J-	2.68	2
PTX06-1127	Compliance	11/1/2018	Chromium, Total	115	10			2.68	100
PTX06-1127	Compliance	11/1/2018	Perchlorate	376	120			2.68	26
PTX06-1127	Compliance	11/1/2018	Perchlorate	360	60		J	0.5	26
PTX06-1127	Compliance	11/1/2018	Perchlorate	380	60			0.5	26
PTX06-1127	Compliance	11/1/2018	1,2-Dichloroethane	5.54	2			2.68	5
PTX06-1127	Compliance	11/1/2018	1,4-Dioxane	25.4	3		J-	2.68	7.7
PTX06-1127	Compliance	11/1/2018	Tetrachloroethene	9.46	2			2.68	5
PTX06-1127	Compliance	11/1/2018	Trichloroethene	103	2			2.68	5

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1128		12/11/2018	RDX	7.56	0.275			6.5	2
PTX06-1128		12/11/2018	Chromium, Total	126	10	N	J-	6.5	100
PTX06-1134		5/21/2018	Perchlorate	68.2	12			70.9	26
PTX06-1134		5/21/2018	Trichloroethene	10.9	1		J	70.9	5
PTX06-1134		11/27/2018	4-Amino-2,6-Dinitrotoluene	1.23	0.272			60	1.2
PTX06-1134		11/27/2018	Perchlorate	81.5	12		J	60	26
PTX06-1134		11/27/2018	Perchlorate	77	12			0.25	26
PTX06-1134		11/27/2018	Perchlorate	79	12		J	0.25	26
PTX06-1134		11/27/2018	Trichloroethene	33	1		J	60	5
PTX06-1146	Compliance	3/6/2018	2-Amino-4,6-Dinitrotoluene	1.8	0.263			1.91	1.2
PTX06-1146	Compliance	3/6/2018	4-Amino-2,6-Dinitrotoluene	23.7	3.29			1.91	1.2
PTX06-1146	Compliance	3/6/2018	RDX	1250	32.9			1.91	2
PTX06-1146	Compliance	3/6/2018	TNX	19.1	3.29			1.91	2
PTX06-1146	Compliance	8/27/2018	2-Amino-4,6-Dinitrotoluene	1.69	0.258		J-	0.55	1.2
PTX06-1146	Compliance	8/27/2018	4-Amino-2,6-Dinitrotoluene	16.3	3.22			0.55	1.2
PTX06-1146	Compliance	8/27/2018	RDX	1250	32.2		J	0.55	2
PTX06-1146	Compliance	8/27/2018	TNX	18.4	3.22			0.55	2
PTX06-1147		5/22/2018	4-Amino-2,6-Dinitrotoluene	3.32	0.266			6.69	1.2
PTX06-1147		5/22/2018	RDX	952	33.2		J	6.69	2
PTX06-1147		5/22/2018	TNX	40.1	1.33		J	6.69	2
PTX06-1147		12/5/2018	4-Amino-2,6-Dinitrotoluene	3.68	0.272			2.9	1.2
PTX06-1147		12/5/2018	RDX	766	34			2.9	2
PTX06-1147		12/5/2018	TNX	39.7	3.4		J-	2.9	2
PTX06-1148		2/7/2018	Perchlorate	230	60			6.72	26
PTX06-1148		5/16/2018	Chromium, Total	290	10			7.94	100
PTX06-1148		5/16/2018	Perchlorate	50	12			7.94	26
PTX06-1148		7/23/2018	Perchlorate	73	12	F1	J-	8.39	26
PTX06-1148		11/26/2018	Perchlorate	93	12		J+	34	26
PTX06-1149		2/7/2018	Arsenic	39	5			2.38	12

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1149		2/7/2018	Manganese	2000	2			2.38	1715.5
PTX06-1149		5/16/2018	Arsenic	41	5			2.33	12
PTX06-1149		5/16/2018	Manganese	2000	4			2.33	1715.5
PTX06-1149		11/26/2018	Arsenic	44	5			2.77	12
PTX06-1149		11/26/2018	Manganese	2000	4			2.77	1715.5
PTX06-1150		2/7/2018	Perchlorate	36	12			2.93	26
PTX06-1150		2/7/2018	Trichloroethene	5.5	3			2.93	5
PTX06-1150		7/23/2018	Arsenic	48	5			1.9	12
PTX06-1150		7/23/2018	Manganese	2000	4			1.9	1715.5
PTX06-1150		7/23/2018	Trichloroethene	6	2.5			1.9	5
PTX06-1150		11/26/2018	Trichloroethene	5.4	2.5	H	J-	1.68	5
PTX06-1151		3/12/2018	RDX	8.1	0.266		J	0	2
PTX06-1151		3/12/2018	Perchlorate	95.3	12			0	26
PTX06-1151		3/12/2018	1,2-Dichloroethane	7.98	2		J	0	5
PTX06-1151		3/12/2018	1,4-Dioxane	12.8	2			0	7.7
PTX06-1151		3/12/2018	Trichloroethene	106	2		J	0	5
PTX06-1151		8/15/2018	RDX	8.03	0.266			0	2
PTX06-1151		8/15/2018	Perchlorate	93.9	12		J	0	26
PTX06-1151		8/15/2018	1,2-Dichloroethane	7.38	1		J	0	5
PTX06-1151		8/15/2018	1,4-Dioxane	9.83	2		J	0	7.7
PTX06-1151		8/15/2018	Trichloroethene	95.7	1		J	0	5
PTX06-1153	Compliance	1/22/2018	DNX	8.5	21	J	J	32.6	2
PTX06-1153	Compliance	1/22/2018	MNX	12	21	J F2	J	32.6	2
PTX06-1153	Compliance	1/22/2018	RDX	250	21		J	32.6	2
PTX06-1153	Compliance	1/22/2018	TNX	8.6	21	J	J	32.6	2
PTX06-1153	Compliance	5/9/2018	2-Amino-4,6-Dinitrotoluene	1.53	0.269			6.75	1.2
PTX06-1153	Compliance	5/9/2018	4-Amino-2,6-Dinitrotoluene	1.24	0.269			6.75	1.2
PTX06-1153	Compliance	5/9/2018	DNX	6.39	0.269			6.75	2
PTX06-1153	Compliance	5/9/2018	MNX	8.82	0.269			6.75	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1153	Compliance	5/9/2018	RDX	263	13.4			6.75	2
PTX06-1153	Compliance	5/9/2018	TNX	11.3	6.72			6.75	2
PTX06-1153	Compliance	9/18/2018	DNX	16.3	1.3		J	2.44	2
PTX06-1153	Compliance	9/18/2018	MNX	14.5	1.3		J	2.44	2
PTX06-1153	Compliance	9/18/2018	RDX	265	32.6		J	2.44	2
PTX06-1153	Compliance	9/18/2018	TNX	20.2	1.3		J	2.44	2
PTX06-1153	Compliance	10/29/2018	4-Amino-2,6-Dinitrotoluene	1.24	0.26			10.26	1.2
PTX06-1153	Compliance	10/29/2018	DNX	20.9	1.3			10.26	2
PTX06-1153	Compliance	10/29/2018	MNX	20.8	1.3			10.26	2
PTX06-1153	Compliance	10/29/2018	RDX	417	13		J-	10.26	2
PTX06-1153	Compliance	10/29/2018	TNX	23.6	1.3			10.26	2
PTX06-1154	Compliance	1/24/2018	Arsenic	54	5			10.7	12
PTX06-1154	Compliance	1/24/2018	Barium	14000	10		J	10.7	2000
PTX06-1154	Compliance	5/9/2018	Arsenic	60	5			11.9	12
PTX06-1154	Compliance	5/9/2018	Barium	20000	5		J	11.9	2000
PTX06-1154	Compliance	9/18/2018	Arsenic	130	5			3.11	12
PTX06-1154	Compliance	9/18/2018	Barium	21000	5			3.11	2000
PTX06-1154	Compliance	10/29/2018	Arsenic	100	5		UJ	4.61	12
PTX06-1154	Compliance	10/29/2018	Barium	19000	5			4.61	2000
PTX06-1155	Compliance	1/25/2018	Arsenic	46	5			5.1	12
PTX06-1155	Compliance	1/25/2018	cis-1,2-Dichloroethene	91	5			5.1	70
PTX06-1155	Compliance	1/25/2018	1,4-Dioxane	12	5			5.1	7.7
PTX06-1155	Compliance	5/15/2018	Arsenic	58	5			3.88	12
PTX06-1155	Compliance	5/15/2018	cis-1,2-Dichloroethene	88	5			3.88	70
PTX06-1155	Compliance	5/15/2018	1,4-Dioxane	16	5			3.88	7.7
PTX06-1155	Compliance	7/17/2018	Arsenic	50	5			4.13	12
PTX06-1155	Compliance	7/17/2018	cis-1,2-Dichloroethene	86	5			4.13	70
PTX06-1155	Compliance	7/17/2018	1,4-Dioxane	15	5			4.13	7.7
PTX06-1155	Compliance	11/6/2018	Arsenic	72	5			3.56	12

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1155	Compliance	11/6/2018	cis-1,2-Dichloroethene	110	5		J	3.56	70
PTX06-1155	Compliance	11/6/2018	1,4-Dioxane	21	5		J	3.56	7.7
PTX06-1156	Compliance	1/25/2018	Arsenic	46	5			2.27	12
PTX06-1156	Compliance	1/25/2018	Barium	4300	2			2.27	2000
PTX06-1156	Compliance	5/15/2018	Arsenic	56	5			3.38	12
PTX06-1156	Compliance	5/15/2018	Barium	5400	2			3.38	2000
PTX06-1156	Compliance	7/17/2018	Arsenic	46	5			3.11	12
PTX06-1156	Compliance	7/17/2018	Barium	4100	2			3.11	2000
PTX06-1156	Compliance	11/6/2018	Arsenic	46	5			2.43	12
PTX06-1156	Compliance	11/6/2018	Barium	3700	2			2.43	2000
PTX06-1156	Compliance	11/6/2018	1,4-Dioxane	12	5		J	2.43	7.7
PTX06-1159		3/5/2018	4-Amino-2,6-Dinitrotoluene	2.52	0.263			0	1.2
PTX06-1159		3/5/2018	Perchlorate	661	120			0	26
PTX06-1159		3/5/2018	Trichloroethene	252	5		J	0	5
PTX06-1159		7/31/2018	4-Amino-2,6-Dinitrotoluene	1.92	0.269			2.9	1.2
PTX06-1159		7/31/2018	Perchlorate	695	240		J	2.9	26
PTX06-1159		7/31/2018	Trichloroethene	273	5		J	2.9	5
PTX06-1164		1/31/2018	Perchlorate	87	12			2.03	26
PTX06-1164		1/31/2018	Trichloroethene	170	6		J	2.03	5
PTX06-1164		5/29/2018	Perchlorate	74	12			2.35	26
PTX06-1164		5/29/2018	Trichloroethene	180	2.5			2.35	5
PTX06-1164		7/25/2018	Perchlorate	58	12			4.61	26
PTX06-1164		7/25/2018	Trichloroethene	230	5			4.61	5
PTX06-1164		11/15/2018	Manganese	2500	4			9.56	1715.5
PTX06-1164		11/15/2018	cis-1,2-Dichloroethene	110	5	F1	J-	9.56	70
PTX06-1166		3/7/2018	RDX	15.2	0.665		J	4.47	2
PTX06-1166		8/21/2018	RDX	14.8	1.39		J	6.71	2
PTX06-1166		8/21/2018	Trichloroethene	5.17	1			6.71	5
PTX06-1169		9/25/2018	Arsenic	67	5			5.14	12

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1169		9/25/2018	1,2-Dichloroethane	9.2	2.5			5.14	5
PTX06-1169		9/25/2018	cis-1,2-Dichloroethene	200	5			5.14	70
PTX06-1169		9/25/2018	1,4-Dioxane	30	5			5.14	7.7
PTX06-1169		9/25/2018	Trichloroethene	5.4	2.5			5.14	5
PTX06-1170		1/30/2018	Arsenic	24	5		J	9.22	12
PTX06-1170		1/30/2018	cis-1,2-Dichloroethene	210	10			9.22	70
PTX06-1170		1/30/2018	Trichloroethene	370	6		J	9.22	5
PTX06-1170		5/22/2018	Arsenic	26	5			11.9	12
PTX06-1170		5/22/2018	cis-1,2-Dichloroethene	130	5			11.9	70
PTX06-1170		5/22/2018	Trichloroethene	360	6.3			11.9	5
PTX06-1170		7/25/2018	Arsenic	25	5			7.96	12
PTX06-1170		7/25/2018	cis-1,2-Dichloroethene	120	5			7.96	70
PTX06-1170		7/25/2018	Trichloroethene	440	6.3			7.96	5
PTX06-1170		9/25/2018	cis-1,2-Dichloroethene	150	5			7.23	70
PTX06-1170		9/25/2018	1,4-Dioxane	37	5			7.23	7.7
PTX06-1170		9/25/2018	Trichloroethene	360	6.3			7.23	5
PTX06-1170		11/14/2018	Arsenic	27	5			1.66	12
PTX06-1170		11/14/2018	cis-1,2-Dichloroethene	190	5		J	1.66	70
PTX06-1170		11/14/2018	Trichloroethene	370	25	H	J-	1.66	5
PTX06-1171		8/7/2018	RDX	11.8	0.543			2.61	2
PTX06-1171		8/7/2018	Perchlorate	50.6	12		J	2.61	26
PTX06-1171		8/7/2018	1,2-Dichloroethane	5.53	1			2.61	5
PTX06-1171		8/7/2018	Trichloroethene	339	10		J	2.61	5
PTX06-1173		1/29/2018	Arsenic	61	5			3.64	12
PTX06-1173		1/29/2018	1,4-Dioxane	15	5			3.64	7.7
PTX06-1173		5/21/2018	Arsenic	82	5			2.29	12
PTX06-1173		5/21/2018	1,4-Dioxane	18	5	H	J-	2.29	7.7
PTX06-1173		7/18/2018	Arsenic	80	5			6.52	12
PTX06-1173		7/18/2018	1,4-Dioxane	16	5			6.52	7.7

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1173		11/7/2018	Arsenic	75	5			3.03	12
PTX06-1173		11/7/2018	cis-1,2-Dichloroethene	72	5		J	3.03	70
PTX06-1174		1/29/2018	Arsenic	67	5			2.18	12
PTX06-1174		5/21/2018	Arsenic	98	13			3.66	12
PTX06-1174		7/18/2018	Arsenic	75	5			7.2	12
PTX06-1174		11/7/2018	Arsenic	62	5			4.72	12
PTX06-1175		1/29/2018	4-Amino-2,6-Dinitrotoluene	3.2	0.1	J	J	1.98	1.2
PTX06-1175		1/29/2018	RDX	20	0.1		J	1.98	2
PTX06-1175		1/29/2018	Perchlorate	180	12			1.98	26
PTX06-1175		1/29/2018	Trichloroethene	150	3			1.98	5
PTX06-1175		5/21/2018	4-Amino-2,6-Dinitrotoluene	1.98	0.263			1.85	1.2
PTX06-1175		5/21/2018	RDX	25.1	1.32			1.85	2
PTX06-1175		5/21/2018	Perchlorate	120	12		J+	1.85	26
PTX06-1175		6/6/2018	Trichloroethene	120	2.5			1.58	5
PTX06-1175		7/18/2018	4-Amino-2,6-Dinitrotoluene	1.23	0.263			2.41	1.2
PTX06-1175		7/18/2018	RDX	28.8	1.32			2.41	2
PTX06-1175		7/18/2018	Perchlorate	130	12			2.41	26
PTX06-1175		7/18/2018	Trichloroethene	120	2.5			2.41	5
PTX06-1175		11/7/2018	RDX	22.4	1.3			2.2	2
PTX06-1175		11/7/2018	Perchlorate	81	12	F1		2.2	26
PTX06-1175		11/7/2018	Perchlorate	65	12		J	2.2	26
PTX06-1175		11/7/2018	1,4-Dioxane	8.3	5	F1 F2	UJ	2.2	7.7
PTX06-1175		11/7/2018	Trichloroethene	100	2.5		J	2.2	5
PTX06-1176		1/30/2018	Arsenic	16	5		J	1.82	12
PTX06-1176		1/30/2018	Perchlorate	29	12			1.82	26
PTX06-1176		1/30/2018	Trichloroethene	39	3			1.82	5
PTX06-1176		5/22/2018	Arsenic	24	5			1.63	12
PTX06-1176		5/22/2018	Trichloroethene	13	2.5			1.63	5
PTX06-1176		7/25/2018	Arsenic	24	5			1.61	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		7/25/2018	Trichloroethene	15	2.5			1.61	5
PTX06-1176		11/14/2018	Arsenic	140	13			6.6	12
PTX06-1176		11/14/2018	Barium	4100	5			6.6	2000
PTX06-1176		11/14/2018	Manganese	18000	10			6.6	1715.5
PTX06-1176		11/14/2018	Butyric Acid	81000	10000	Bd		6.6	18250
PTX06-1176		11/14/2018	cis-1,2-Dichloroethene	75	5		J-	6.6	70
PTX06-1176		11/14/2018	Hexanoic Acid	15000	2000	d		6.6	2336
PTX06-1176		11/14/2018	Propionic Acid	200000	10000	Bd		6.6	18250
PTX06-1177		1/31/2018	Arsenic	36	5		J	3.11	12
PTX06-1177		1/31/2018	Manganese	2000	2			3.11	1715.5
PTX06-1177		1/31/2018	cis-1,2-Dichloroethene	93	5			3.11	70
PTX06-1177		5/29/2018	Arsenic	23	5		J	44.8	12
PTX06-1177		5/29/2018	Manganese	2200	4			44.8	1715.5
PTX06-1177		7/25/2018	Arsenic	16	5			12.8	12
PTX06-1177		7/25/2018	Trichloroethene	7	2.5			12.8	5
PTX06-1177		11/15/2018	Arsenic	250	13			15	12
PTX06-1177		11/15/2018	Barium	9900	5			15	2000
PTX06-1177		11/15/2018	Manganese	20000	10			15	1715.5
PTX06-1177		11/15/2018	Butyric Acid	670000	100000	Bd		15	18250
PTX06-1177		11/15/2018	Hexanoic Acid	150000	20000	d		15	2336
PTX06-1177		11/15/2018	Propionic Acid	1100000	100000	Bd		15	18250
PTX06-1177		11/15/2018	Pentanoic Acid	130000	10000	d		15	18250
PTX06-1180		6/11/2018	Manganese	2080	50		J	11.1	1715.5
PTX06-1180		6/11/2018	Trichloroethene	421	5			11.1	5
PTX06-1180		12/3/2018	Trichloroethene	395	5			4.5	5
PTX06-1182		5/23/2018	4-Amino-2,6-Dinitrotoluene	1.23	0.263			0.04	1.2
PTX06-1182		5/23/2018	RDX	6.06	0.263			0.04	2
PTX06-1183		5/8/2018	Chromium, Total	866	10			0.01	100
PTX06-1183		5/8/2018	Chromium, Hexavalent	909.195	2	I		0.01	100

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-1183		12/4/2018	Chromium, Total	687	10		J	0.3	100
PTX06-1183		12/4/2018	Chromium, Hexavalent	614.915	20	I		0.3	100
PTX06-1185		1/24/2018	4-Amino-2,6-Dinitrotoluene	4.24	0.278			0	1.2
PTX06-1185		1/24/2018	RDX	654	34.7		J	0	2
PTX06-1185		1/24/2018	TNX	3.76	0.278			0	2
PTX06-1185		3/6/2018	4-Amino-2,6-Dinitrotoluene	3.76	0.263			0.39	1.2
PTX06-1185		3/6/2018	RDX	793	32.9			0.39	2
PTX06-1185		3/6/2018	TNX	3.59	0.263			0.39	2
PTX06-1185		8/27/2018	4-Amino-2,6-Dinitrotoluene	2.75	0.266			0.43	1.2
PTX06-1185		8/27/2018	RDX	641	26.6		J	0.43	2
PTX06-1185		8/27/2018	TNX	2.85	0.266			0.43	2
PTX06-1190		1/24/2018	4-Amino-2,6-Dinitrotoluene	8.59	0.263			0.55	1.2
PTX06-1190		1/24/2018	RDX	284	13.2		J	0.55	2
PTX06-1190		1/24/2018	TNX	12.1	13.2	J		0.55	2
PTX06-1190		3/6/2018	4-Amino-2,6-Dinitrotoluene	8.48	0.266			0.15	1.2
PTX06-1190		3/6/2018	RDX	419	33.2			0.15	2
PTX06-1190		3/6/2018	TNX	16.8	3.32			0.15	2
PTX06-1190		8/27/2018	4-Amino-2,6-Dinitrotoluene	6.6	0.266			0.28	1.2
PTX06-1190		8/27/2018	RDX	470	26.6		J	0.28	2
PTX06-1190		8/27/2018	TNX	16.2	1.33			0.28	2
PTX06-1191		2/13/2018	4-Amino-2,6-Dinitrotoluene	1.81	0.269			0.5	1.2
PTX06-1191		2/13/2018	RDX	93.5	6.72		J	0.5	2
PTX06-1191		10/1/2018	4-Amino-2,6-Dinitrotoluene	1.66	0.269			0.67	1.2
PTX06-1191		10/1/2018	RDX	164	33.6			0.67	2
PTX06-1196		8/20/2018	4-Amino-2,6-Dinitrotoluene	3.7	0.269			5.36	1.2
PTX06-1196		8/20/2018	RDX	23.5	1.34		J	5.36	2
PTX06-1197		8/20/2018	4-Amino-2,6-Dinitrotoluene	2.84	0.262			19.1	1.2
PTX06-1197		8/20/2018	RDX	123	6.54		J	19.1	2
PTX06-1199		8/20/2018	RDX	3.68	0.272		J	3.36	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-1		11/28/2018	2-Amino-4,6-Dinitrotoluene	8.42	0.266				1.2
PTX06-EW-1		11/28/2018	4-Amino-2,6-Dinitrotoluene	7.41	0.266				1.2
PTX06-EW-1		11/28/2018	DNX	7.63	0.266		J+		2
PTX06-EW-1		11/28/2018	RDX	889	33.2		J		2
PTX06-EW-1		11/28/2018	1,3,5-Trinitrobenzene	1010	33.2		J		220
PTX06-EW-1		11/28/2018	TNX	94	33.2		J		2
PTX06-EW-1		11/28/2018	Chromium, Total	110	10		J		100
PTX06-EW-1		11/28/2018	Chromium, Hexavalent	107.191	2	I			100
PTX06-EW-10		6/27/2018	Perchlorate	30	12		J-		26
PTX06-EW-10		11/28/2018	RDX	5.68	0.266		J		2
PTX06-EW-10		11/28/2018	Chromium, Total	390	10		J		100
PTX06-EW-10		11/28/2018	Chromium, Hexavalent	307.569	2	I			100
PTX06-EW-12		11/27/2018	4-Amino-2,6-Dinitrotoluene	6.19	6.58	J	J-		1.2
PTX06-EW-12		11/27/2018	DNX	14.8	6.58				2
PTX06-EW-12		11/27/2018	MNX	15.1	6.58				2
PTX06-EW-12		11/27/2018	RDX	725	65.8		J		2
PTX06-EW-12		11/27/2018	TNX	53.8	6.58		J-		2
PTX06-EW-15		9/18/2018	RDX	3.39	0.263				2
PTX06-EW-16		9/18/2018	RDX	25.5	3.26		J		2
PTX06-EW-16		9/18/2018	TNX	4.02	0.26		J		2
PTX06-EW-17		9/18/2018	2-Amino-4,6-Dinitrotoluene	1.43	0.263		J		1.2
PTX06-EW-17		9/18/2018	4-Amino-2,6-Dinitrotoluene	6.01	3.29		J		1.2
PTX06-EW-17		9/18/2018	DNX	2.35	0.263		J		2
PTX06-EW-17		9/18/2018	RDX	138	32.9		J		2
PTX06-EW-17		9/18/2018	TNT (2,4,6-Trinitrotoluene)	16.1	3.29		J		3.6
PTX06-EW-17		9/18/2018	TNX	13.9	3.29		J		2
PTX06-EW-17		9/18/2018	Chromium, Total	680	25				100
PTX06-EW-18		11/27/2018	2-Amino-4,6-Dinitrotoluene	3	2.1		J		1.2
PTX06-EW-18		11/27/2018	2-Amino-4,6-Dinitrotoluene	4.04	0.284		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-18		11/27/2018	4-Amino-2,6-Dinitrotoluene	5.1	2.1		J		1.2
PTX06-EW-18		11/27/2018	4-Amino-2,6-Dinitrotoluene	7.52	7.1		J-		1.2
PTX06-EW-18		11/27/2018	RDX	73.7	7.1		J		2
PTX06-EW-18		11/27/2018	RDX	86	11		J		2
PTX06-EW-18		11/27/2018	TNT (2,4,6-Trinitrotoluene)	14	2.1		J		3.6
PTX06-EW-18		11/27/2018	TNT (2,4,6-Trinitrotoluene)	11.5	7.1		J-		3.6
PTX06-EW-18		11/27/2018	TNX	5.23	0.284		J-		2
PTX06-EW-18		11/27/2018	TNX	5.6	2.1		J		2
PTX06-EW-19		9/26/2018	2-Amino-4,6-Dinitrotoluene	5.84	0.26				1.2
PTX06-EW-19		9/26/2018	4-Amino-2,6-Dinitrotoluene	4.23	0.26				1.2
PTX06-EW-19		9/26/2018	RDX	94.9	3.26		J		2
PTX06-EW-19		9/26/2018	TNX	4.11	0.26				2
PTX06-EW-2		9/18/2018	2-Amino-4,6-Dinitrotoluene	6.37	0.263		J		1.2
PTX06-EW-2		9/18/2018	4-Amino-2,6-Dinitrotoluene	5.16	0.263		J		1.2
PTX06-EW-2		9/18/2018	DNX	2.63	0.263		J		2
PTX06-EW-2		9/18/2018	RDX	591	32.9		J		2
PTX06-EW-2		9/18/2018	1,3,5-Trinitrobenzene	796	32.9		J		220
PTX06-EW-2		9/18/2018	TNX	52.4	3.29		J		2
PTX06-EW-2		9/18/2018	Chromium, Total	190	10				100
PTX06-EW-2		9/18/2018	Chromium, Hexavalent	194.541	20	HI	J-		100
PTX06-EW-20		9/26/2018	RDX	6.46	0.263		J		2
PTX06-EW-20		9/26/2018	Chromium, Total	1000	10				100
PTX06-EW-22A		9/26/2018	RDX	41.9	2.78		J		2
PTX06-EW-22A		9/26/2018	TNX	3.46	0.278				2
PTX06-EW-23A		9/18/2018	2-Amino-4,6-Dinitrotoluene	5.32	0.26		J		1.2
PTX06-EW-		9/18/2018	4-Amino-2,6-Dinitrotoluene	23	3.26		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)
23A									
PTX06-EW-23A		9/18/2018	DNX	13.2	3.26		J		2
PTX06-EW-23A		9/18/2018	MNX	2.07	0.26		J		2
PTX06-EW-23A		9/18/2018	RDX	523	32.6		J		2
PTX06-EW-23A		9/18/2018	TNT (2,4,6-Trinitrotoluene)	41.8	3.26		J		3.6
PTX06-EW-23A		9/18/2018	TNX	45.4	3.26		J		2
PTX06-EW-24		9/26/2018	2-Amino-4,6-Dinitrotoluene	3.81	0.281		J-		1.2
PTX06-EW-24		9/26/2018	4-Amino-2,6-Dinitrotoluene	3.15	0.281		J-		1.2
PTX06-EW-24		9/26/2018	RDX	126	3.51		J		2
PTX06-EW-24		9/26/2018	1,3,5-Trinitrobenzene	592	70.2				220
PTX06-EW-24		9/26/2018	TNT (2,4,6-Trinitrotoluene)	4.32	0.281		J-		3.6
PTX06-EW-24		9/26/2018	TNX	5.63	0.281				2
PTX06-EW-25		9/26/2018	4-Amino-2,6-Dinitrotoluene	1.33	0.269		J-		1.2
PTX06-EW-25		9/26/2018	RDX	58.5	2.69		J		2
PTX06-EW-25		9/26/2018	TNX	5.26	0.269				2
PTX06-EW-26		9/18/2018	2-Amino-4,6-Dinitrotoluene	5.24	0.266		J		1.2
PTX06-EW-26		9/18/2018	4-Amino-2,6-Dinitrotoluene	18.2	3.32		J		1.2
PTX06-EW-26		9/18/2018	DNX	10.6	3.32		J		2
PTX06-EW-26		9/18/2018	RDX	641	33.2		J		2
PTX06-EW-26		9/18/2018	TNT (2,4,6-Trinitrotoluene)	37.9	3.32		J		3.6
PTX06-EW-26		9/18/2018	TNX	47.4	3.32		J		2
PTX06-EW-27		11/27/2018	2-Amino-4,6-Dinitrotoluene	2.86	0.263		J-		1.2
PTX06-EW-27		11/27/2018	4-Amino-2,6-Dinitrotoluene	10.6	6.58		J-		1.2
PTX06-EW-27		11/27/2018	RDX	1050	65.8		J		2
PTX06-EW-27		11/27/2018	TNT (2,4,6-Trinitrotoluene)	5.59	0.263		J-		3.6

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		11/27/2018	TNX	17.2	6.58		J-		2
PTX06-EW-28		9/18/2018	4-Amino-2,6-Dinitrotoluene	1.29	0.26				1.2
PTX06-EW-28		9/18/2018	RDX	13.2	1.3				2
PTX06-EW-29		11/27/2018	2-Amino-4,6-Dinitrotoluene	4.3	1.1		J		1.2
PTX06-EW-29		11/27/2018	2-Amino-4,6-Dinitrotoluene	4.97	0.269		J-		1.2
PTX06-EW-29		11/27/2018	RDX	280	22		J		2
PTX06-EW-29		11/27/2018	RDX	258	67.2		J		2
PTX06-EW-3		9/18/2018	2-Amino-4,6-Dinitrotoluene	5.14	0.263				1.2
PTX06-EW-3		9/18/2018	4-Amino-2,6-Dinitrotoluene	4.49	0.263				1.2
PTX06-EW-3		9/18/2018	RDX	739	32.9		J-		2
PTX06-EW-3		9/18/2018	1,3,5-Trinitrobenzene	641	32.9		J-		220
PTX06-EW-3		9/18/2018	TNX	33.1	3.29				2
PTX06-EW-3		9/18/2018	Chromium, Total	110	10				100
PTX06-EW-30		9/18/2018	2-Amino-4,6-Dinitrotoluene	2.7	0.269				1.2
PTX06-EW-30		9/18/2018	4-Amino-2,6-Dinitrotoluene	6.48	0.269				1.2
PTX06-EW-30		9/18/2018	RDX	432	33.6				2
PTX06-EW-30		9/18/2018	TNT (2,4,6-Trinitrotoluene)	9.84	0.269				3.6
PTX06-EW-30		9/18/2018	TNX	24.7	3.36				2
PTX06-EW-30		9/18/2018	Chromium, Total	230	10				100
PTX06-EW-31		9/18/2018	2-Amino-4,6-Dinitrotoluene	1.46	0.266				1.2
PTX06-EW-31		9/18/2018	4-Amino-2,6-Dinitrotoluene	6.46	0.266				1.2
PTX06-EW-31		9/18/2018	RDX	163	33.2				2
PTX06-EW-31		9/18/2018	TNT (2,4,6-Trinitrotoluene)	12.7	3.32				3.6
PTX06-EW-31		9/18/2018	TNX	9.38	3.32				2
PTX06-EW-32		9/18/2018	2-Amino-4,6-Dinitrotoluene	6.34	0.266				1.2
PTX06-EW-32		9/18/2018	RDX	193	33.2				2
PTX06-EW-32		9/18/2018	TNX	10.8	3.32				2
PTX06-EW-33		9/18/2018	4-Amino-2,6-Dinitrotoluene	3.21	0.269				1.2
PTX06-EW-33		9/18/2018	RDX	287	33.6				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-33		9/18/2018	TNT (2,4,6-Trinitrotoluene)	6.06	0.269				3.6
PTX06-EW-33		9/18/2018	TNX	12.6	3.36				2
PTX06-EW-34		9/18/2018	2-Amino-4,6-Dinitrotoluene	6.26	0.278				1.2
PTX06-EW-34		9/18/2018	4-Amino-2,6-Dinitrotoluene	4.8	0.278				1.2
PTX06-EW-34		9/18/2018	RDX	739	34.7		J-		2
PTX06-EW-34		9/18/2018	TNT (2,4,6-Trinitrotoluene)	6.42	0.278				3.6
PTX06-EW-34		9/18/2018	TNX	38.5	3.47				2
PTX06-EW-35		11/27/2018	2-Amino-4,6-Dinitrotoluene	4.1	2.1		J		1.2
PTX06-EW-35		11/27/2018	2-Amino-4,6-Dinitrotoluene	3.41	0.269		J-		1.2
PTX06-EW-35		11/27/2018	4-Amino-2,6-Dinitrotoluene	24	2.1		J		1.2
PTX06-EW-35		11/27/2018	4-Amino-2,6-Dinitrotoluene	14.1	6.72		J-		1.2
PTX06-EW-35		11/27/2018	RDX	1200	100		J		2
PTX06-EW-35		11/27/2018	RDX	1080	134		J		2
PTX06-EW-35		11/27/2018	TNX	16	2.1		J		2
PTX06-EW-35		11/27/2018	TNX	17.4	6.72		J-		2
PTX06-EW-36		9/20/2018	2-Amino-4,6-Dinitrotoluene	4.11	0.266				1.2
PTX06-EW-36		9/20/2018	4-Amino-2,6-Dinitrotoluene	2.04	0.266				1.2
PTX06-EW-36		9/20/2018	RDX	449	33.2		J		2
PTX06-EW-36		9/20/2018	1,3,5-Trinitrobenzene	245	33.2				220
PTX06-EW-36		9/20/2018	TNX	3.4	0.266		J-		2
PTX06-EW-36		9/20/2018	Chromium, Hexavalent	116.103	2	HI	J-		100
PTX06-EW-38C		9/20/2018	RDX	8.4	0.26				2
PTX06-EW-39		9/20/2018	4-Amino-2,6-Dinitrotoluene	1.21	0.266				1.2
PTX06-EW-39		9/20/2018	RDX	33.3	2.66				2
PTX06-EW-39		9/20/2018	Chromium, Total	130	10				100
PTX06-EW-39		9/20/2018	Chromium, Hexavalent	161.187	2	HI	J-		100
PTX06-EW-4		11/27/2018	2-Amino-4,6-Dinitrotoluene	4.06	0.275		J-		1.2
PTX06-EW-4		11/27/2018	4-Amino-2,6-Dinitrotoluene	10	6.87		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-4		11/27/2018	RDX	940	68.7		J		2
PTX06-EW-4		11/27/2018	TNT (2,4,6-Trinitrotoluene)	5.77	0.275		J-		3.6
PTX06-EW-4		11/27/2018	TNX	18.7	6.87		J-		2
PTX06-EW-40		9/20/2018	2-Amino-4,6-Dinitrotoluene	1.23	0.26				1.2
PTX06-EW-40		9/20/2018	4-Amino-2,6-Dinitrotoluene	2.76	0.26				1.2
PTX06-EW-40		9/20/2018	RDX	76	2.6				2
PTX06-EW-40		9/20/2018	TNT (2,4,6-Trinitrotoluene)	6.66	0.26				3.6
PTX06-EW-40		9/20/2018	Chromium, Total	150	10				100
PTX06-EW-40		9/20/2018	Chromium, Hexavalent	200.481	2	HI	J-		100
PTX06-EW-41		9/20/2018	2-Amino-4,6-Dinitrotoluene	1.75	0.269				1.2
PTX06-EW-41		9/20/2018	4-Amino-2,6-Dinitrotoluene	3.77	0.269				1.2
PTX06-EW-41		9/20/2018	RDX	107	2.69				2
PTX06-EW-41		9/20/2018	TNT (2,4,6-Trinitrotoluene)	5.85	0.269				3.6
PTX06-EW-43		9/20/2018	2-Amino-4,6-Dinitrotoluene	2.53	0.266				1.2
PTX06-EW-43		9/20/2018	4-Amino-2,6-Dinitrotoluene	12.1	3.32				1.2
PTX06-EW-43		9/20/2018	RDX	820	33.2				2
PTX06-EW-43		9/20/2018	TNT (2,4,6-Trinitrotoluene)	24.5	3.32				3.6
PTX06-EW-43		9/20/2018	TNX	12.2	3.32				2
PTX06-EW-43		9/20/2018	Chromium, Hexavalent	121.804	2	HI	J-		100
PTX06-EW-44		9/20/2018	2-Amino-4,6-Dinitrotoluene	3.58	0.275				1.2
PTX06-EW-44		9/20/2018	4-Amino-2,6-Dinitrotoluene	10.9	3.43				1.2
PTX06-EW-44		9/20/2018	RDX	570	34.3				2
PTX06-EW-44		9/20/2018	TNT (2,4,6-Trinitrotoluene)	20.3	3.43				3.6
PTX06-EW-44		9/20/2018	TNX	13.7	3.43				2
PTX06-EW-44		9/20/2018	Chromium, Total	610	10				100
PTX06-EW-44		9/20/2018	Chromium, Hexavalent	321.671	2	HI	J-		100
PTX06-EW-45		9/20/2018	2-Amino-4,6-Dinitrotoluene	3.37	0.263				1.2
PTX06-EW-45		9/20/2018	4-Amino-2,6-Dinitrotoluene	9.17	3.29				1.2
PTX06-EW-45		9/20/2018	RDX	929	32.9				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-45		9/20/2018	TNT (2,4,6-Trinitrotoluene)	20.3	3.29				3.6
PTX06-EW-45		9/20/2018	TNX	22.1	3.29				2
PTX06-EW-45		9/20/2018	Chromium, Total	110	10				100
PTX06-EW-45		9/20/2018	Chromium, Hexavalent	151.891	2	HI	J-		100
PTX06-EW-46		9/20/2018	2-Amino-4,6-Dinitrotoluene	4.06	0.26				1.2
PTX06-EW-46		9/20/2018	4-Amino-2,6-Dinitrotoluene	5.02	0.26				1.2
PTX06-EW-46		9/20/2018	RDX	696	32.6				2
PTX06-EW-46		9/20/2018	TNT (2,4,6-Trinitrotoluene)	7.62	3.26				3.6
PTX06-EW-46		9/20/2018	TNX	22.5	3.26				2
PTX06-EW-48		9/18/2018	2-Amino-4,6-Dinitrotoluene	2.51	0.26				1.2
PTX06-EW-48		9/18/2018	4-Amino-2,6-Dinitrotoluene	5.35	0.26				1.2
PTX06-EW-48		9/18/2018	RDX	882	32.6				2
PTX06-EW-48		9/18/2018	TNT (2,4,6-Trinitrotoluene)	7.29	0.26				3.6
PTX06-EW-48		9/18/2018	TNX	42	3.26				2
PTX06-EW-49		9/20/2018	2-Amino-4,6-Dinitrotoluene	3.94	0.26				1.2
PTX06-EW-49		9/20/2018	4-Amino-2,6-Dinitrotoluene	1.74	0.26				1.2
PTX06-EW-49		9/20/2018	RDX	505	32.6				2
PTX06-EW-49		9/20/2018	TNX	28.4	3.26				2
PTX06-EW-50		9/18/2018	4-Amino-2,6-Dinitrotoluene	2.49	0.266		J		1.2
PTX06-EW-50		9/18/2018	RDX	20.8	3.32		J		2
PTX06-EW-50		9/18/2018	TNT (2,4,6-Trinitrotoluene)	7.33	0.266		J		3.6
PTX06-EW-51		6/27/2018	Perchlorate	34	12		J-		26
PTX06-EW-51		11/28/2018	Chromium, Total	510	10		J		100
PTX06-EW-51		11/28/2018	Chromium, Hexavalent	373.742	2	I			100
PTX06-EW-51		11/28/2018	Perchlorate	67	12				26
PTX06-EW-53		9/20/2018	2-Amino-4,6-Dinitrotoluene	2.94	0.284				1.2
PTX06-EW-53		9/20/2018	4-Amino-2,6-Dinitrotoluene	6.32	0.284				1.2
PTX06-EW-53		9/20/2018	RDX	787	35.5		J		2
PTX06-EW-53		9/20/2018	TNT (2,4,6-Trinitrotoluene)	5.77	0.284				3.6

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-53		9/20/2018	TNX	30.2	3.55		J-		2
PTX06-EW-54		9/18/2018	2-Amino-4,6-Dinitrotoluene	1.86	0.275		J		1.2
PTX06-EW-54		9/18/2018	4-Amino-2,6-Dinitrotoluene	5.45	3.43		J		1.2
PTX06-EW-54		9/18/2018	RDX	159	34.3		J		2
PTX06-EW-54		9/18/2018	TNT (2,4,6-Trinitrotoluene)	13.8	3.43		J		3.6
PTX06-EW-54		9/18/2018	TNX	15.6	3.43		J		2
PTX06-EW-55		9/18/2018	2-Amino-4,6-Dinitrotoluene	1.32	0.26		J		1.2
PTX06-EW-55		9/18/2018	4-Amino-2,6-Dinitrotoluene	3.02	0.26		J		1.2
PTX06-EW-55		9/18/2018	RDX	200	32.6		J		2
PTX06-EW-55		9/18/2018	TNT (2,4,6-Trinitrotoluene)	7.79	3.26		J		3.6
PTX06-EW-55		9/18/2018	TNX	9.42	3.26		J		2
PTX06-EW-56		9/18/2018	2-Amino-4,6-Dinitrotoluene	1.26	0.266		J		1.2
PTX06-EW-56		9/18/2018	4-Amino-2,6-Dinitrotoluene	3.24	0.266		J		1.2
PTX06-EW-56		9/18/2018	4-Amino-2,6-Dinitrotoluene	2.99	0.263		J		1.2
PTX06-EW-56		9/18/2018	RDX	73.9	3.32		J		2
PTX06-EW-56		9/18/2018	RDX	75.6	3.29		J		2
PTX06-EW-56		9/18/2018	TNT (2,4,6-Trinitrotoluene)	10.8	3.32		J		3.6
PTX06-EW-56		9/18/2018	TNT (2,4,6-Trinitrotoluene)	5.71	3.29		J		3.6
PTX06-EW-56		9/18/2018	TNX	3.93	0.266		J		2
PTX06-EW-56		9/18/2018	TNX	5.09	0.263		J		2
PTX06-EW-57		11/27/2018	2-Amino-4,6-Dinitrotoluene	3.98	0.26		J-		1.2
PTX06-EW-57		11/27/2018	4-Amino-2,6-Dinitrotoluene	16	6.51		J-		1.2
PTX06-EW-57		11/27/2018	DNX	2.02	0.26		J-		2
PTX06-EW-57		11/27/2018	RDX	1130	65.1		J		2
PTX06-EW-57		11/27/2018	TNT (2,4,6-Trinitrotoluene)	14.7	6.51		J-		3.6
PTX06-EW-57		11/27/2018	TNX	26.5	6.51		J-		2
PTX06-EW-59		9/18/2018	2-Amino-4,6-Dinitrotoluene	8.99	0.266		J		1.2
PTX06-EW-59		9/18/2018	4-Amino-2,6-Dinitrotoluene	14.7	3.32		J		1.2
PTX06-EW-59		9/18/2018	DNX	8.25	0.266		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-59		9/18/2018	RDX	411	33.2		J		2
PTX06-EW-59		9/18/2018	TNT (2,4,6-Trinitrotoluene)	18.1	3.32		J		3.6
PTX06-EW-59		9/18/2018	TNX	30.3	3.32		J		2
PTX06-EW-60		9/18/2018	2-Amino-4,6-Dinitrotoluene	3.76	0.269		J		1.2
PTX06-EW-60		9/18/2018	4-Amino-2,6-Dinitrotoluene	9.98	3.36		J		1.2
PTX06-EW-60		9/18/2018	RDX	141	33.6		J		2
PTX06-EW-60		9/18/2018	TNT (2,4,6-Trinitrotoluene)	18.7	3.36		J		3.6
PTX06-EW-60		9/18/2018	TNX	7.21	3.36		J		2
PTX06-EW-61		9/18/2018	2-Amino-4,6-Dinitrotoluene	2.42	0.275		J		1.2
PTX06-EW-61		9/18/2018	4-Amino-2,6-Dinitrotoluene	11.4	3.43		J		1.2
PTX06-EW-61		9/18/2018	RDX	171	34.3		J		2
PTX06-EW-61		9/18/2018	TNT (2,4,6-Trinitrotoluene)	19.5	3.43		J		3.6
PTX06-EW-61		9/18/2018	TNX	11.3	3.43		J		2
PTX06-EW-62		9/18/2018	2-Amino-4,6-Dinitrotoluene	2.55	0.275		J		1.2
PTX06-EW-62		9/18/2018	4-Amino-2,6-Dinitrotoluene	22.1	3.43		J		1.2
PTX06-EW-62		9/18/2018	DNX	39.6	3.43		J		2
PTX06-EW-62		9/18/2018	MNX	7.1	0.275		J		2
PTX06-EW-62		9/18/2018	RDX	874	34.3		J		2
PTX06-EW-62		9/18/2018	TNT (2,4,6-Trinitrotoluene)	34.6	3.43		J		3.6
PTX06-EW-62		9/18/2018	TNX	133	3.43		J		2
PTX06-EW-63		9/18/2018	2-Amino-4,6-Dinitrotoluene	4.56	0.272		J		1.2
PTX06-EW-63		9/18/2018	4-Amino-2,6-Dinitrotoluene	12.7	3.4		J		1.2
PTX06-EW-63		9/18/2018	DNX	11.8	3.4		J		2
PTX06-EW-63		9/18/2018	RDX	767	34		J		2
PTX06-EW-63		9/18/2018	TNT (2,4,6-Trinitrotoluene)	13.8	3.4		J		3.6
PTX06-EW-63		9/18/2018	TNX	65.4	3.4		J		2
PTX06-EW-64		9/18/2018	2-Amino-4,6-Dinitrotoluene	4.54	0.263		J		1.2
PTX06-EW-64		9/18/2018	4-Amino-2,6-Dinitrotoluene	11.2	3.29		J		1.2
PTX06-EW-64		9/18/2018	DNX	10.4	0.263		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-64		9/18/2018	RDX	801	32.9		J		2
PTX06-EW-64		9/18/2018	TNT (2,4,6-Trinitrotoluene)	12.8	3.29		J		3.6
PTX06-EW-64		9/18/2018	TNX	67.1	3.29		J		2
PTX06-EW-65		11/28/2018	2-Amino-4,6-Dinitrotoluene	5.8	1		J		1.2
PTX06-EW-65		11/28/2018	2-Amino-4,6-Dinitrotoluene	6.71	0.26				1.2
PTX06-EW-65		11/28/2018	4-Amino-2,6-Dinitrotoluene	3.4	0.26				1.2
PTX06-EW-65		11/28/2018	4-Amino-2,6-Dinitrotoluene	1.8	1		J		1.2
PTX06-EW-65		11/28/2018	RDX	167	32.6		J		2
PTX06-EW-65		11/28/2018	RDX	400	100		J		2
PTX06-EW-65		11/28/2018	1,3,5-Trinitrobenzene	720	32.6		J		220
PTX06-EW-65		11/28/2018	1,3,5-Trinitrobenzene	1400	100		J+		220
PTX06-EW-65		11/28/2018	TNT (2,4,6-Trinitrotoluene)	3.73	0.26				3.6
PTX06-EW-65		11/28/2018	TNT (2,4,6-Trinitrotoluene)	4.8	1		J		3.6
PTX06-EW-65		11/28/2018	TNX	12	1		J		2
PTX06-EW-65		11/28/2018	TNX	7.07	0.26		J		2
PTX06-EW-65		11/28/2018	Chromium, Total	130	10		J		100
PTX06-EW-66		11/28/2018	2-Amino-4,6-Dinitrotoluene	3.9	1.1		J		1.2
PTX06-EW-66		11/28/2018	2-Amino-4,6-Dinitrotoluene	4.5	0.263		J-		1.2
PTX06-EW-66		11/28/2018	4-Amino-2,6-Dinitrotoluene	1.39	0.263		J-		1.2
PTX06-EW-66		11/28/2018	4-Amino-2,6-Dinitrotoluene	31	110	J ^	J		1.2
PTX06-EW-66		11/28/2018	RDX	231	32.9		J		2
PTX06-EW-66		11/28/2018	RDX	530	110		J		2
PTX06-EW-66		11/28/2018	1,3,5-Trinitrobenzene	222	32.9		J		220
PTX06-EW-66		11/28/2018	1,3,5-Trinitrobenzene	400	110		J+		220
PTX06-EW-66		11/28/2018	TNT (2,4,6-Trinitrotoluene)	35	110	J B ^	UJ		3.6
PTX06-EW-66		11/28/2018	TNX	5	1.1		J		2
PTX06-EW-66		11/28/2018	TNX	2.99	0.263		J		2
PTX06-EW-67		11/28/2018	Chromium, Total	560	10		J		100
PTX06-EW-67		11/28/2018	Chromium, Hexavalent	469.146	2	I			100

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-EW-68		11/28/2018	Chromium, Total	580	10		J		100
PTX06-EW-68		11/28/2018	Chromium, Hexavalent	487.13	2	I			100
PTX06-EW-69		7/24/2018	RDX	4.01	0.278		J		2
PTX06-EW-7		11/27/2018	2-Amino-4,6-Dinitrotoluene	3.29	0.266		J-		1.2
PTX06-EW-7		11/27/2018	4-Amino-2,6-Dinitrotoluene	11.1	6.65		J-		1.2
PTX06-EW-7		11/27/2018	RDX	1060	66.5		J		2
PTX06-EW-7		11/27/2018	TNT (2,4,6-Trinitrotoluene)	3.91	0.266		J-		3.6
PTX06-EW-7		11/27/2018	TNX	18.1	6.65		J-		2
PTX06-EW-70		8/1/2018	RDX	27.8	2.63				2
PTX06-EW-71		7/24/2018	RDX	38.1	1.4		J		2
PTX06-EW-72		7/24/2018	RDX	14.7	0.672		J		2
PTX06-EW-73		7/24/2018	RDX	3.73	0.263		J		2
PTX06-EW-74		7/24/2018	RDX	3.91	0.263		J		2
PTX06-EW-75		7/24/2018	4-Amino-2,6-Dinitrotoluene	3.38	0.275				1.2
PTX06-EW-75		7/24/2018	DNX	5.03	0.275				2
PTX06-EW-75		7/24/2018	RDX	83.6	2.75		J		2
PTX06-EW-75		7/24/2018	TNX	9.79	0.275				2
PTX06-EW-78A		7/24/2018	RDX	5.1	0.269		J		2
PTX06-EW-79		7/24/2018	2-Amino-4,6-Dinitrotoluene	1.5	0.275				1.2
PTX06-EW-79		7/24/2018	4-Amino-2,6-Dinitrotoluene	2.24	0.275				1.2
PTX06-EW-79		7/24/2018	DNX	2.88	0.275				2
PTX06-EW-79		7/24/2018	RDX	86.9	2.75		J		2
PTX06-EW-79		7/24/2018	TNX	5.8	0.275				2
PTX06-EW-79		7/24/2018	Chromium, Total	110	10				100
PTX06-EW-79		10/17/2018	Chromium, Total	140	10				100
PTX06-EW-80		7/24/2018	2-Amino-4,6-Dinitrotoluene	2.48	0.275				1.2
PTX06-EW-80		7/24/2018	4-Amino-2,6-Dinitrotoluene	5.46	0.275				1.2
PTX06-EW-80		7/24/2018	RDX	92.5	3.43		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-80		7/24/2018	TNT (2,4,6-Trinitrotoluene)	8.73	0.275				3.6
PTX06-EW-80		7/24/2018	TNX	4.59	0.275				2
PTX06-EW-81A		7/24/2018	RDX	4.24	0.26		J		2
PTX06-EW-81A		7/24/2018	TNX	3.12	0.26				2
PTX06-EW-9		11/28/2018	Chromium, Total	190	10		J		100
PTX06-EW-9		11/28/2018	Chromium, Hexavalent	139.929	2	I			100
PTX06- ISB030B		2/13/2018	Arsenic	57	5			14.4	12
PTX06- ISB030B		5/8/2018	Arsenic	66	5			23.6	12
PTX06- ISB030B		9/5/2018	Arsenic	63	5			10.54	12
PTX06- ISB030B		11/1/2018	Arsenic	64	5			9.29	12
PTX06-ISB038		2/13/2018	Arsenic	59	5			85.2	12
PTX06-ISB038		2/13/2018	Arsenic	57	5				12
PTX06-ISB038		5/8/2018	Arsenic	71	5			14.2	12
PTX06-ISB038		5/8/2018	Arsenic	67	5				12
PTX06-ISB038		9/5/2018	Arsenic	42	5			22.4	12
PTX06-ISB038		9/5/2018	Arsenic	42	5				12
PTX06-ISB038		11/1/2018	Arsenic	42	5			24.1	12
PTX06-ISB046		2/12/2018	Arsenic	69	5			17.7	12
PTX06-ISB046		5/7/2018	Arsenic	61	5			8.74	12
PTX06-ISB046		9/6/2018	Arsenic	49	5			5.21	12
PTX06-ISB046		11/5/2018	Arsenic	32	5			6.44	12
PTX06-ISB046		11/5/2018	Arsenic	31	5				12
PTX06-ISB048		2/12/2018	Arsenic	84	5			82.8	12
PTX06-ISB048		5/7/2018	Arsenic	56	5			28.3	12

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-ISB048		9/6/2018	Arsenic	25	5			6.64	12
PTX06-ISB048		11/5/2018	Arsenic	31	5			7.48	12
PTX06-ISB055		2/14/2018	Arsenic	13	5				12
PTX06-ISB055		4/23/2018	Arsenic	14	5			63.9	12
PTX06-ISB055		4/23/2018	Arsenic	16	5				12
PTX06-ISB055		7/31/2018	Arsenic	15	5			57.3	12
PTX06-ISB055		7/31/2018	Arsenic	18	5				12
PTX06-ISB055		7/31/2018	Barium	2300	2				2000
PTX06-ISB055		11/28/2018	Arsenic	18	5			67.1	12
PTX06-ISB055		11/28/2018	Arsenic	18	5				12
PTX06-ISB059		12/3/2018	Arsenic	15	5		J	86.4	12
PTX06-ISB063		4/24/2018	Arsenic	14	5			82	12
PTX06-ISB063		7/31/2018	Arsenic	15	5			64.9	12
PTX06-ISB069A		2/22/2018	Arsenic	20	5			206	12
PTX06-ISB069A		4/10/2018	Arsenic	19	5			280	12
PTX06-ISB069A		12/4/2018	Arsenic	17	5			48.6	12
PTX06-ISB071		2/20/2018	Arsenic	16	5			37.8	12
PTX06-ISB071		4/9/2018	Arsenic	15	5			35.9	12
PTX06-ISB073		2/22/2018	Arsenic	19	5				12
PTX06-ISB073		4/10/2018	Arsenic	18	5				12
PTX06-ISB075		1/30/2018	Arsenic	200	5		J	4.51	12
PTX06-ISB075		1/30/2018	cis-1,2-Dichloroethene	200	10		J	4.51	70
PTX06-ISB075		1/30/2018	Trichloroethene	42	3			4.51	5
PTX06-ISB075		1/30/2018	Vinyl Chloride	11	1			4.51	2
PTX06-ISB075		5/23/2018	Arsenic	210	5		J	3.92	12
PTX06-ISB075		5/23/2018	cis-1,2-Dichloroethene	180	5	F1		3.92	70

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-ISB075		5/23/2018	Trichloroethene	36	2.5			3.92	5
PTX06-ISB075		5/23/2018	Vinyl Chloride	10	1			3.92	2
PTX06-ISB075		8/1/2018	Arsenic	200	5		J	3.82	12
PTX06-ISB075		8/1/2018	cis-1,2-Dichloroethene	170	5			3.82	70
PTX06-ISB075		8/1/2018	Trichloroethene	35	2.5			3.82	5
PTX06-ISB075		8/1/2018	Vinyl Chloride	9.5	1			3.82	2
PTX06-ISB075		9/25/2018	cis-1,2-Dichloroethene	190	5			3.43	70
PTX06-ISB075		9/25/2018	1,4-Dioxane	52	5			3.43	7.7
PTX06-ISB075		9/25/2018	Trichloroethene	35	2.5			3.43	5
PTX06-ISB075		9/25/2018	Vinyl Chloride	13	1			3.43	2
PTX06-ISB075		11/27/2018	Arsenic	170	5		J	5.42	12
PTX06-ISB075		11/27/2018	cis-1,2-Dichloroethene	160	5	H	J-	5.42	70
PTX06-ISB075		11/27/2018	Trichloroethene	15	2.5	H	J-	5.42	5
PTX06-ISB075		11/27/2018	Vinyl Chloride	10	1	H	J-	5.42	2
PTX06-ISB077		2/20/2018	Arsenic	13	5			142	12
PTX06-ISB077		4/9/2018	Arsenic	13	5			138	12
PTX06-ISB079		5/29/2018	Arsenic	33	5		J	20.3	12
PTX06-ISB079		8/1/2018	Arsenic	21	5		J	39.8	12
PTX06-ISB079		11/27/2018	Arsenic	28	5		J	32.4	12
PTX06-ISB082		2/5/2018	Arsenic	33	5			41.8	12
PTX06-ISB082		5/23/2018	Arsenic	45	5		J	37.4	12
PTX06-ISB082		8/1/2018	Arsenic	38	5		J	38	12
PTX06-ISB082		11/27/2018	Arsenic	39	5		J	36.4	12
PTX06-ISB110		1/31/2018	4-Amino-2,6-Dinitrotoluene	2.12	0.278			3.37	1.2
PTX06-ISB111		2/5/2018	4-Amino-2,6-Dinitrotoluene	4.93	0.263			0.7	1.2
PTX06-ISB111		2/5/2018	RDX	2.84	0.263		J	0.7	2
PTX06-ISB112		1/10/2018	4-Amino-2,6-Dinitrotoluene	6.38	0.263			0.66	1.2
PTX06-ISB112		1/10/2018	RDX	6.83	0.263		J	0.66	2
PTX06-ISB113		1/31/2018	4-Amino-2,6-Dinitrotoluene	4.72	0.26			2.18	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-ISB113		1/31/2018	RDX	12.3	0.651		J-	2.18	2
PTX06-ISB114		1/30/2018	4-Amino-2,6-Dinitrotoluene	1.67	0.266			2.12	1.2
PTX06-ISB114		1/30/2018	RDX	37	2.66		J	2.12	2
PTX06-ISB114		9/26/2018	4-Amino-2,6-Dinitrotoluene	2.03	0.266			0.98	1.2
PTX06-ISB114		9/26/2018	RDX	34.6	3.32		J	0.98	2
PTX06-ISB115		1/30/2018	4-Amino-2,6-Dinitrotoluene	1.52	0.272			1.27	1.2
PTX06-ISB115		1/30/2018	RDX	71.9	2.72		J	1.27	2
PTX06-ISB116		1/10/2018	4-Amino-2,6-Dinitrotoluene	1.49	0.269			4.29	1.2
PTX06-ISB116		1/10/2018	RDX	114	6.72		J	4.29	2
PTX06-ISB117		1/30/2018	4-Amino-2,6-Dinitrotoluene	1.93	0.26			0.79	1.2
PTX06-ISB117		1/30/2018	RDX	151	13		J	0.79	2
PTX06-ISB118		1/24/2018	4-Amino-2,6-Dinitrotoluene	2.25	0.269			1.54	1.2
PTX06-ISB118		1/24/2018	RDX	213	13.4		J	1.54	2
PTX06-ISB119		2/7/2018	4-Amino-2,6-Dinitrotoluene	2.64	0.263			0.94	1.2
PTX06-ISB119		2/7/2018	RDX	412	32.9		J	0.94	2
PTX06-ISB120		1/29/2018	4-Amino-2,6-Dinitrotoluene	2.24	0.272			0	1.2
PTX06-ISB120		1/29/2018	RDX	483	34		J	0	2
PTX06-ISB120		1/29/2018	TNX	2.2	0.272		J-	0	2
PTX06-ISB121		1/22/2018	4-Amino-2,6-Dinitrotoluene	2.67	0.26			2.38	1.2
PTX06-ISB121		1/22/2018	MNX	3.31	0.26			2.38	2
PTX06-ISB121		1/22/2018	RDX	465	13			2.38	2
PTX06-ISB121		1/22/2018	TNX	3.94	0.26			2.38	2
PTX06-ISB121		9/26/2018	4-Amino-2,6-Dinitrotoluene	2.76	0.278			3.93	1.2
PTX06-ISB121		9/26/2018	RDX	502	27.8		J	3.93	2
PTX06-ISB121		9/26/2018	TNX	2.21	0.278			3.93	2
PTX06-ISB122		1/29/2018	4-Amino-2,6-Dinitrotoluene	2.57	0.266			1.56	1.2
PTX06-ISB122		1/29/2018	DNX	11.5	3.32			1.56	2
PTX06-ISB122		1/29/2018	MNX	21.4	3.32			1.56	2
PTX06-ISB122		1/29/2018	RDX	710	33.2		J	1.56	2

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX06-ISB122		1/29/2018	TNX	27	3.32		J-	1.56	2
PTX06-ISB123		1/9/2018	4-Amino-2,6-Dinitrotoluene	5.26	0.266			2.6	1.2
PTX06-ISB123		1/9/2018	RDX	718	33.2		J	2.6	2
PTX06-ISB123		1/9/2018	TNX	9.36	0.266		J+	2.6	2
PTX06-ISB124		1/29/2018	4-Amino-2,6-Dinitrotoluene	7.52	0.258			6.06	1.2
PTX06-ISB124		1/29/2018	RDX	1280	32.2		J	6.06	2
PTX06-ISB124		1/29/2018	TNX	14.7	3.22		J-	6.06	2
PTX06-ISB124		9/25/2018	4-Amino-2,6-Dinitrotoluene	7.21	0.269			9.21	1.2
PTX06-ISB124		9/25/2018	RDX	979	67.2		J	9.21	2
PTX06-ISB124		9/25/2018	TNX	10.5	3.36			9.21	2
PTX06-ISB125		2/7/2018	4-Amino-2,6-Dinitrotoluene	5.97	0.278			1.62	1.2
PTX06-ISB125		2/7/2018	RDX	774	34.7		J	1.62	2
PTX06-ISB125		2/7/2018	TNX	7.91	0.278		J+	1.62	2
PTX06-ISB126		1/9/2018	4-Amino-2,6-Dinitrotoluene	5.89	0.272			8.06	1.2
PTX06-ISB126		1/9/2018	RDX	425	27.2		J	8.06	2
PTX06-ISB126		1/9/2018	TNX	8.62	0.272		J+	8.06	2
PTX06-ISB126		9/25/2018	4-Amino-2,6-Dinitrotoluene	6.41	0.266			5.96	1.2
PTX06-ISB126		9/25/2018	MNX	2.5	0.266			5.96	2
PTX06-ISB126		9/25/2018	RDX	803	26.6		J	5.96	2
PTX06-ISB126		9/25/2018	TNX	8.94	3.32			5.96	2
PTX06-ISB127		1/25/2018	4-Amino-2,6-Dinitrotoluene	7.83	0.263			6.76	1.2
PTX06-ISB127		1/25/2018	RDX	279	13.2		J	6.76	2
PTX06-ISB127		1/25/2018	TNX	6.54	0.263			6.76	2
PTX06-ISB128		1/8/2018	4-Amino-2,6-Dinitrotoluene	7.12	0.258			4.1	1.2
PTX06-ISB128		1/8/2018	RDX	60.8	3.22			4.1	2
PTX06-ISB128		1/8/2018	TNX	3.06	0.258			4.1	2
PTX06-ISB129		1/25/2018	4-Amino-2,6-Dinitrotoluene	6.5	0.269			0.88	1.2
PTX06-ISB129		1/25/2018	RDX	31.3	1.34		J	0.88	2
PTX06-ISB129		9/25/2018	4-Amino-2,6-Dinitrotoluene	5.27	0.272			4.27	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-ISB129		9/25/2018	RDX	34.2	3.4		J	4.27	2
PTX06-ISB129		9/25/2018	TNX	2.36	0.272			4.27	2
PTX06-ISB130		1/25/2018	4-Amino-2,6-Dinitrotoluene	1.88	0.26			5.64	1.2
PTX06-ISB130		1/25/2018	RDX	29	1.3		J	5.64	2
PTX06-ISB131		1/8/2018	4-Amino-2,6-Dinitrotoluene	3.53	0.266			8.77	1.2
PTX06-ISB131		1/8/2018	RDX	21.8	1.33			8.77	2
PTX06-ISB131		1/8/2018	TNX	2.48	0.266			8.77	2
PTX07-1O03		8/22/2018	RDX	35.3	1.34		J	0.4	2
PTX07-1O03		8/22/2018	TNX	2.67	0.269			0.4	2
PTX07-1P02	Compliance	6/4/2018	RDX	5.21	0.258		J	1.09	2
PTX07-1P02	Compliance	6/4/2018	RDX	4.09	0.26		J		2
PTX07-1P02	Compliance	10/30/2018	RDX	3.53	0.272			4.71	2
PTX08-1001		6/4/2018	DNX	5.71	0.26			0.72	2
PTX08-1001		6/4/2018	MNX	3.99	0.26			0.72	2
PTX08-1001		6/4/2018	RDX	123	6.51		J	0.72	2
PTX08-1001		6/4/2018	TNX	11.8	3.26			0.72	2
PTX08-1002		6/4/2018	RDX	5.25	0.266		J	1.49	2
PTX08-1002		10/30/2018	RDX	6.39	0.278			4.49	2
PTX08-1005		3/8/2018	Trichloroethene	22.2	1			0.11	5
PTX08-1005		8/15/2018	Trichloroethene	23.2	1		J	0.11	5
PTX08-1006		3/12/2018	2-Amino-4,6-Dinitrotoluene	1.62	0.26			0.45	1.2
PTX08-1006		3/12/2018	4-Amino-2,6-Dinitrotoluene	2.63	0.26			0.45	1.2
PTX08-1006		3/12/2018	RDX	21.2	1.3		J	0.45	2
PTX08-1006		3/12/2018	Perchlorate	99.7	24			0.45	26
PTX08-1006		3/12/2018	Trichloroethene	18	1		J	0.45	5
PTX08-1006		8/23/2018	2-Amino-4,6-Dinitrotoluene	1.75	0.266			0.07	1.2
PTX08-1006		8/23/2018	4-Amino-2,6-Dinitrotoluene	2.25	0.266			0.07	1.2
PTX08-1006		8/23/2018	RDX	24.2	1.33		J	0.07	2
PTX08-1006		8/23/2018	Perchlorate	53.7	12			0.07	26

Well ID	Designation	Sample Date	Analyte	Measured Value (ug/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Turbidity	GWPS (ug/L)
PTX08-1006		8/23/2018	Trichloroethene	25.3	1			0.07	5
PTX08-1007		6/6/2018	RDX	2.93	0.26		J-	0.5	2
PTX08-1007		6/6/2018	1,2-Dichloroethane	11.8	1			0.5	5
PTX08-1007		6/6/2018	Trichloroethene	14.1	1			0.5	5
PTX08-1008		6/5/2018	Chromium, Total	126	10			1.8	100
PTX08-1008		6/5/2018	Chromium, Hexavalent	113.424	2	I		1.8	100
PTX08-1008		6/5/2018	Perchlorate	382	120			1.8	26
PTX08-1008		12/4/2018	Perchlorate	321	120		J	2.5	26
PTX10-1014		6/11/2018	Trichloroethene	13.2	1			96.5	5

*Arsenic, barium, and manganese are elevated in the ISPM wells because there is evidence that the treatment zone is extending beyond the ISB, pilot study, and PRB treatment systems. Volatile fatty acids, DO, and ORP have also been affected in these wells (please refer to the electronic data CD in this appendix for data). The volatile fatty acids will be consumed by bacteria with conditions returning to background over time.

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 or pCi/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Background (ug or pCi/L)	> Background?	Lab PQL (ug/L)	>Lab PQL?	GWPS (ug or pCi/L)	>GWPS?	Expected Condition?	Explanation
PTX06-1044	20180507M00078	5/7/2018	N	Chromium, Hexavalent	3.254	0.02		J	3.2	Y	0.02	NA	100	N	Y	Likely background variability.
PTX06-1056	20180226M00027	2/26/2018	N	4-Amino-2,6-Dinitrotoluene	0.309	0.26		J-		NA	0.26	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20180226M00027	2/26/2018	N	1,2-Dichloroethane	0.72	1	J	J		NA	1	N	5	N	N	Unexpected condition.
PTX06-1056	20180424M00066	4/24/2018	N	4-Amino-2,6-Dinitrotoluene	0.438	0.26				NA	0.26	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20180424M00066	4/24/2018	N	1,2-Dichloroethane	0.81	1	J			NA	1	N	5	N	N	Unexpected condition.
PTX06-1056	20180717M00145	7/17/2018	N	4-Amino-2,6-Dinitrotoluene	0.32	0.266				NA	0.266	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20180717M00145	7/17/2018	N	1,2-Dichloroethane	0.72	1	J			NA	1	N	5	N	N	Unexpected condition.
PTX06-1056	20181029M00238	10/29/2018	N	4-Amino-2,6-Dinitrotoluene	0.378	0.281				NA	0.281	Y	1.2	N	N	Unexpected condition.
PTX06-1056	20181029M00238	10/29/2018	N	1,2-Dichloroethane	0.72	1	J			NA	1	N	5	N	N	Unexpected condition.
PTX06-1138	20180517M00105	5/17/2018	N	Chromium, Total	51.7	10			31.8	Y	10	NA	100	N	N	Isolated background exceedance or possible screen corrosion; resample below background.
PTX06-1138	20180517M00105	5/17/2018	N	Chromium, Hexavalent	45.307	2	I		3.2	Y	2	NA	100	N	N	Isolated background exceedance or possible screen corrosion; resample below background.
PTX06-1138	20181106M00257	11/6/2018	N	Chromium, Hexavalent	3.566	0.02			3.2	Y	0.02	NA	100	N	Y	Likely background variability.

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

Well ID	Sample ID	Sample Date	Sample Type	Measured Value (ug or pCi/L)	Detection Limit (ug/L)	Lab Qualifier	PTX Qualifier	Background (ug or pCi/L)	> Background?	Lab PQL (ug/L)	>Lab PQL?	GWPS (ug or pCi/L)	>GWPS?	Expected Condition?	Mann-Kendall Trends		Explanation
															Long-Term	Short-Term	
PTX06-1043	20180801M00165	8/1/2018	N	198	75			193.9	Y	75	NA	7300	N	Y	Increasing	Stable	This concentration likely represents natural variability in background.
PTX06-1044	20180507M00078	5/7/2018	N	217	75			193.9	Y	75	NA	7300	N	Y	No Trend	No Trend	This concentration likely represents natural variability in background.
PTX06-1044	20181105M00254	11/5/2018	N	195	75			193.9	Y	75	NA	7300	N	Y	No Trend	No Trend	This concentration likely represents natural variability in background.
PTX06-1056	20180226M00027	2/26/2018	N	208	75			193.9	Y	75	NA	7300	N	Y	Decreasing	No Trend	This concentration likely represents natural variability in background.
PTX06-1056	20180717M00145	7/17/2018	N	246	150		J	193.9	Y	150	NA	7300	N	Y	Decreasing	No Trend	This concentration likely represents natural variability in background.
PTX06-1058	20180801M00163	8/1/2018	N	209	75			193.9	Y	75	NA	7300	N	Y	Probably Increasing	Increasing	This concentration likely represents natural variability in background.
PTX06-1137A	20180517M00104	5/17/2018	N	204	75		J	193.9	Y	75	NA	7300	N	Y	Stable	No Trend	This concentration likely represents natural variability in background.
PTX06-1137A	20181106M00258	11/6/2018	N	196	75			193.9	Y	75	NA	7300	N	Y	Stable	No Trend	This concentration likely represents natural variability in background.
PTX06-1139	20180226M00026	2/26/2018	N	196	75			193.9	Y	75	NA	7300	N	Y	Decreasing	Decreasing	This concentration likely represents natural variability in background.
PTX06-1140	20180517M00106	5/17/2018	N	213	75		J	193.9	Y	75	NA	7300	N	Y	No Trend	No Trend	This concentration likely represents natural variability in background.
PTX06-1157	20180226M00025	2/26/2018	N	199	75			193.9	Y	75	NA	7300	N	Y	Increasing	Decreasing	This concentration likely represents natural variability in background.
PTX06-1157	20180828M00221	8/28/2018	N	195	15			193.9	Y	15	NA	7300	N	Y	Increasing	Decreasing	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 - SSRA											
			RDX	TNT	DNT24	DNT26	TNB135	PERC	TCE	PCE	CR-6	DIOXANE14	TCLME	
1114-MW4	Long-term decreasing trend	PERC, TCE	N/A	ND	ND	ND	ND	ND	Increasing	Decreasing	Decreasing	NT	Increasing	Decreasing
OW-WR-38	Long-term stabilization of concentrations	RDX, HMX	Probably Increasing	ND	ND	ND	ND	ND	NT	Increasing	ND	NT	NT	ND
PTX06-1002A	Long-term stabilization of concentrations	RDX, TNX, HMX	Decreasing	ND	ND	ND	N/A	N/A	NT	Decreasing	N/A	Decreasing	NT	ND
PTX06-1003	Long-term stabilization of concentrations	RDX, TNX	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PTX06-1005	Long-term stabilization of concentrations	DNT24, DNT2A, DNT4A, RDX, TNB135, TNX, TCE	Decreasing	Decreasing	Decreasing	No Trend	Decreasing	Decreasing	NT	Increasing	Increasing	Decreasing	Decreasing	Increasing
PTX06-1007	Long-term decreasing trend	PERC	No Trend	ND	ND	Decreasing	ND	ND	Decreasing	Decreasing	ND	NT	Decreasing	N/A
PTX06-1008	Long-term decreasing trend	DCA12, CR	ND	ND	ND	ND	ND	ND	N/A	Decreasing	ND	Decreasing	N/A	Increasing
PTX06-1010	Long-term decreasing trend	CR, CR6, RDX	Decreasing	N/A	ND	ND	ND	ND	NT	Increasing	Decreasing	Decreasing	ND	Increasing
PTX06-1011	Stable or decreasing trend below GWPS	TCE	No Trend	ND	N/A	ND	N/A	N/A	Increasing	Increasing	Decreasing	Increasing	Decreasing	Probably Increasing
PTX06-1050	Long-term stabilization of concentrations	RDX, TNX	Decreasing	ND	ND	ND	ND	ND	NT	ND	ND	NT	NT	ND
PTX06-1053	Stable or decreasing trend below GWPS	DNT2A	Decreasing	ND	ND	ND	ND	ND	ND	ND	ND	Decreasing	N/A	ND
PTX06-1077A	Stable or decreasing trend below GWPS	TCE	Decreasing	ND	ND	ND	ND	ND	No Trend	Decreasing	N/A	NT	N/A	ND
PTX06-1088	Long-term stabilization of concentrations	TNT, TCE, CR, CR-6, RDX, DNT24, DNT2A, DNT4A, TNB135	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	NT	Decreasing	Increasing	Decreasing	N/A	No Trend
PTX06-1095A	Long-term stabilization of concentrations	RDX, TNX, TCE	No Trend	Increasing	ND	Decreasing	Increasing	Increasing	NT	Increasing	Increasing	No Trend	NT	Increasing
PTX06-1126	Long-term decreasing trend	TCE, PERC, DIOXANE14	Increasing	ND	ND	N/A	ND	ND	Decreasing	No Trend	Increasing	Decreasing	Decreasing	Increasing
PTX06-1127	Long-term decreasing trend	TCE, PERC, DIOXANE14, DCA12	Increasing	ND	ND	ND	ND	ND	Decreasing	Increasing	Increasing	Decreasing	No Trend	Increasing
PTX07-1001	Long-term decreasing trend	RDX	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PTX07-1002	Long-term decreasing trend	NONE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PTX07-1003	Long-term decreasing trend	RDX, HMX	Increasing	ND	ND	ND	ND	ND	NT	Increasing	ND	NT	NT	ND
PTX07-1006	Stable or decreasing trend below GWPS	NONE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PTX07-1P02	Stable or decreasing trend below GWPS	RDX	Increasing	ND	ND	ND	ND	ND	N/A	ND	ND	NT	Decreasing	ND

Well ID	COC Expected Condition - LTM Design	COC>GWPS	Mann-Kendall Trends - SSRA											
			RDX	TNT	DNT24	DNT26	TNB135	PERC	TCE	PCE	CR-6	DIOXANE14	TCLME	
PTX07-1P05	Stable or decreasing trend below GWPS	RDX, TNX	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PTX08-1001	Long-term stabilization of concentrations	RDX, TNX	Probably Increasing	ND	ND	ND	ND	ND	Decreasing	ND	ND	NT	N/A	ND
PTX08-1002	Long-term stabilization of concentrations	RDX, MNX, DNX, TNX, DNT2A	Decreasing	No Trend	No Trend	N/A	No Trend	No Trend	NT	ND	ND	N/A	NT	ND
PTX08-1005	Long-term decreasing trend	TCE, DCA12, DIOXANE14, PERC	Decreasing	ND	ND	ND	ND	ND	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
PTX08-1006	Long-term decreasing trend	RDX, TNX, PERC, DNT4A, TCE, PCE, DIOXANE14, DCA12	Decreasing	ND	ND	Decreasing	N/A	Decreasing	Increasing	Decreasing	Decreasing	NT	Decreasing	Decreasing
PTX08-1007	Long-term decreasing trend	TCE, RDX, CR, CR-6	Decreasing	ND	ND	ND	ND	ND	No Trend	Decreasing	Decreasing	Decreasing	No Trend	Increasing
PTX08-1008	Long-term stabilization of concentrations	CR, CR-6	N/A	ND	ND	ND	ND	ND	Increasing	Increasing	ND	Decreasing	Increasing	Probably Increasing
PTX08-1009	Long-term stabilization of concentrations	NONE	Decreasing	ND	ND	ND	ND	ND	NT	N/A	ND	Increasing	NT	No Trend
PTX10-1014	Long-term decreasing trend	TCE	Decreasing	ND	ND	ND	ND	ND	No Trend	Decreasing	Decreasing	No Trend	Decreasing	Decreasing

Dry* - water level measured in sump

ND = non-detect

N/A = not enough detections

NT = not tested

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
1114-MW4	20180515M00098	5/15/2018	N	Manganese	22	5			16	Y	5	NA	1715.5	N	N	Likely screen corrosion.
PTX06-1002A	20180219M00012	2/19/2018	N	Molybdenum	38	0.5			36.6	Y	0.5	NA	182.5	N	N	Likely screen corrosion or natural variability in background.
PTX06-1010	20180606M00131	6/6/2018	N	Nickel	18.2	2			15	Y	2	NA	730	N	N	Likely screen corrosion.
PTX10-1014	20180611M00138	6/11/2018	N	Nickel	68.1	2			15	Y	2	NA	730	N	N	Likely screen corrosion.

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	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	Decreasing	Increasing
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	Dry	Dry
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	PTX06-1003	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	Increasing
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	No Trend
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	Decreasing
Southeast	PTX06-1023	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
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	Decreasing
Southeast	PTX06-1039A	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX06-1040	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX06-1041	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX06-1042	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	No Trend
Southeast	PTX06-1045	RAE	Trend/Compare to GWPS	Limited Water	No Trend	Decreasing
Southeast	PTX06-1046	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Southeast	PTX06-1047A	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
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	Decreasing	Increasing
Southeast	PTX06-1051	PS	Dry	Remain dry	Increasing	Decreasing

Perched Water Level Trending Results Vs. Expected Conditions

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	WL Expected Condition - LTM Design	Historic WL Trend	Recent WL Trend
Southeast	PTX06-1052	RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Southeast, Zone 11	PTX06-1053	PS, UM	Trend/Compare to GWPS			
Miscellaneous	PTX06-1055	PS	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1069	PS	Trend/Compare to GWPS			
Miscellaneous	PTX06-1071	UM	Compare to GWPS			
Zone 11	PTX06-1073A	PS	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	Decreasing
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			
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	Increasing
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	PTX06-1094	PS	Dry	Limited Water	Dry	Dry
Southeast	PTX06-1095A	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Miscellaneous	PTX06-1096A	PS, UM	Dry	Remain dry	Dry	Dry
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	Decreasing
Southeast	PTX06-1103	RAE	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	Dry
Southeast	PTX06-1118	RAE	Trend/Compare to GWPS	Limited Water	Decreasing	Dry
Southeast	PTX06-1119	PS	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1120	PS	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	Decreasing
Southeast	PTX06-1121	PS	Water Level, Trend/Compare to GWPS	Limited Water	Decreasing	Dry
Southeast	PTX06-1122	PS	Dry	Remain dry	Dry	Dry
Southeast	PTX06-1123	RAE	Trend/Compare to GWPS			
Southeast	PTX06-1124	PS	Dry	Remain dry	Dry	Dry
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	Increasing	Increasing

Perched Water Level Trending Results Vs. Expected Conditions

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	WL Expected Condition - LTM Design	Historic WL Trend	Recent WL Trend
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	Dry	Dry
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	PTX07-1001	PS, UM, RAE	Trend/Compare to GWPS			
North	PTX07-1002	PS, UM, RAE	Trend/Compare to GWPS			
North	PTX07-1003	PS, UM, RAE	Trend/Compare to GWPS			
North	PTX07-1006	PS, UM, RAE	Trend/Compare to GWPS			
Zone 11	PTX07-1P02	UM	Trend/Compare to GWPS			
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			
Zone 11	PTX08-1001	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Increasing
Southeast	PTX08-1002	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	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	Decreasing
Southeast	PTX08-1009	UM, RAE	Water Level, Trend/Compare to GWPS	Decreasing water levels	Decreasing	Decreasing
Miscellaneous	PTX08-1010	UM	Trend/Compare to GWPS			
Southeast, Zone 11	PTX10-1014	UM	Trend/Compare to GWPS			

UM = Uncertainty management

Historic Trend = Since start of remedial action

Perched Water Level Trending Results Vs. Expected Conditions

Indicator Area	Well ID	LTM Objectives	Progress Report Metrics	WL Expected Condition - LTM Design	Historic WL Trend	Recent WL Trend
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PS = Plume stability

Recent Trend = Last 4 measurements

RAE = Response action effectiveness

Dry* - water level measured in sump

Perched Water Level Summary Trends

Well	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
1114-MW4	73	0.02	No Trend	0.44	8	-0.16	Decreasing	-0.4	37	-0.29	Decreasing	-2.65	20	-0.40	Decreasing	-1.56
OW-WR-38	93	-0.71	Decreasing	-9.25	7	2.58	Increasing	3.1	29	-0.30	Decreasing	-0.36	14	0.51	Increasing	-0.41
OW-WR-45	50	-0.43	Decreasing	-7.56	4	0.70	Increasing	1.1	19	-0.71	Decreasing	-5.37	10	-0.85	Decreasing	-3.62
PTX01-1001	99	0.39	Increasing	7.9	8	1.05	Increasing	1.6	38	0.13	Increasing	2.25	20	-0.09	No Trend	0.17
PTX01-1004	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX01-1006	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX01-1007	1	0.00	N/A (<3 Measurements)	0	0	0.00	N/A (No Measurements)	-999	1	0.00	N/A (<3 Measurements)	0	1	0.00	N/A (<3 Measurements)	0
PTX01-1008	69	0.06	No Trend	2.12	8	0.45	Increasing	0.7	39	0.29	Increasing	2.74	21	0.09	No Trend	1.73
PTX01-1009	1	0.00	N/A (<3 Measurements)	0	1	0.00	N/A (<3 Measurements)	0	1	0.00	N/A (<3 Measurements)	0	0	0.00	N/A (No Measurements)	-999
PTX01-1014A	7	-0.02	No Trend	-0.13	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX04-1001	47	-0.03	No Trend	0.23	6	0.19	Increasing	0.3	24	0.03	No Trend	0.14	11	0.14	Increasing	0.5
PTX04-1002	65	-0.03	No Trend	0.24	6	0.19	Increasing	0.3	28	0.02	No Trend	0.18	15	0.09	No Trend	0.55
PTX06-1001A	43	-0.68	Decreasing	-11.29	5	0.66	Increasing	1	19	-0.95	Decreasing	-6.98	9	-1.76	Decreasing	-7.13
PTX06-1002A	73	-0.62	Decreasing	-10.09	9	0.31	Increasing	0.6	39	-0.88	Decreasing	-7.04	20	-0.98	Decreasing	-3.8
PTX06-1003	51	-0.43	Decreasing	-6.53	3	0.19	Increasing	0.1	22	-0.72	Decreasing	-5.55	10	-0.75	Decreasing	-2.79
PTX06-1005	74	-0.49	Decreasing	-7.39	9	1.29	Increasing	1.9	40	-1.00	Decreasing	-5.36	21	-1.25	Decreasing	-7.32
PTX06-1006	56	-0.07	No Trend	-0.99	6	-0.11	Decreasing	-0.1	29	-0.39	Decreasing	-2.99	15	-0.42	Decreasing	-1.89
PTX06-1007	56	-0.11	Decreasing	-1.01	6	0.19	Increasing	0.3	29	-0.44	Decreasing	-3.56	15	-0.52	Decreasing	-1.58
PTX06-1008	53	-0.39	Decreasing	-4.86	6	0.41	Increasing	3.7	29	-0.48	Decreasing	-3.92	15	-0.61	Decreasing	-2.55
PTX06-1009	23	-0.13	Decreasing	-0.65	2	0.18	Increasing	0.1	10	-0.10	No Trend	-0.69	5	-0.13	Decreasing	-0.34
PTX06-1010	67	0.23	Increasing	5.15	8	-0.25	Decreasing	-0.7	39	0.02	No Trend	0.49	20	-0.10	Decreasing	-1.04
PTX06-1011	58	-0.27	Decreasing	-4.19	7	0.25	Increasing	0.5	30	-0.62	Decreasing	-4.28	15	-0.79	Decreasing	-4.05
PTX06-1012	95	0.17	Increasing	3.98	13	0.09	No Trend	0.18	55	0.10	No Trend	1.65	30	0.08	No Trend	0.5
PTX06-1013	67	-0.09	No Trend	-0.23	6	-0.07	No Trend	-0.1	33	-0.20	Decreasing	-1.57	17	-0.17	Decreasing	-0.69
PTX06-1014	62	-0.39	Decreasing	-6.73	6	-0.37	Decreasing	-0.5	29	-0.61	Decreasing	-4.75	16	-0.70	Decreasing	-2.62
PTX06-1015	79	-0.16	Decreasing	-4.85	9	-0.91	Decreasing	-3	39	-0.43	Decreasing	-5.59	20	-0.42	Decreasing	-1.87
PTX06-1023	74	-0.28	Decreasing	-4.86	8	-0.23	Decreasing	-0.3	39	-0.30	Decreasing	-2.48	21	-0.30	Decreasing	-1.24
PTX06-1030	75	-0.35	Decreasing	-11.08	5	-7.27	Decreasing	-5.8	36	-0.77	Decreasing	-9.75	21	-0.65	Decreasing	-2.88
PTX06-1031	78	-0.16	Decreasing	-3.17	9	-0.41	Decreasing	-0.7	39	-0.48	Decreasing	-3.95	20	-0.56	Decreasing	-2.64
PTX06-1034	77	0.00	No Trend	0.56	9	0.09	No Trend	0.2	41	-0.14	Decreasing	-0.92	22	-0.24	Decreasing	-0.75
PTX06-1035	72	0.27	Increasing	7.44	9	0.25	Increasing	0.6	39	0.19	Increasing	2.14	20	0.08	No Trend	0.97
PTX06-1036	62	-0.18	Decreasing	-2.97	6	0.08	No Trend	-0.1	28	-0.41	Decreasing	-3.73	15	-0.40	Decreasing	-3.3
PTX06-1037	80	-0.04	No Trend	-0.41	12	-0.26	Decreasing	-0.55	54	-0.27	Decreasing	-1.83	30	-0.37	Decreasing	-1.19
PTX06-1038	77	-0.44	Decreasing	-7.55	8	-0.15	Decreasing	-0.2	42	-0.54	Decreasing	-4.8	24	-0.57	Decreasing	-2.7
PTX06-1039A	72	-0.73	Decreasing	-11.23	8	0.14	Increasing	0.5	42	-0.90	Decreasing	-7.65	23	-0.89	Decreasing	-4.79
PTX06-1040	77	-0.95	Decreasing	-13.84	8	0.94	Increasing	1.3	41	-1.26	Decreasing	-11.15	22	-1.40	Decreasing	-7.32
PTX06-1041	70	-1.00	Decreasing	-13.84	8	0.95	Increasing	1.2	41	-1.17	Decreasing	-9.6	22	-1.40	Decreasing	-7.63
PTX06-1042	73	-0.59	Decreasing	-8.56	8	-0.05	No Trend	-0.1	39	-0.81	Decreasing	-6.56	21	-0.85	Decreasing	-4.46
PTX06-1045	39	-0.05	No Trend	-0.01	3	-0.68	Decreasing	-0.29	12	0.07	No Trend	0.15	0	0.00	N/A (No Measurements)	-999
PTX06-1046	74	-0.17	Decreasing	-3.33	8	-0.84	Decreasing	-1.4	40	-0.48	Decreasing	-4.35	22	-0.51	Decreasing	-2.27
PTX06-1047A	68	-0.16	Decreasing	-2.9	7	-0.38	Decreasing	-0.9	39	-0.49	Decreasing	-3.89	22	-0.43	Decreasing	-2.12
PTX06-1048A	60	-0.22	Decreasing	-3.42	6	0.04	No Trend	0.1	29	-0.21	Decreasing	-1.6	16	-0.24	Decreasing	-1.05
PTX06-1049	61	0.23	Increasing	4.99	8	-0.20	Decreasing	-0.4	38	-0.11	Decreasing	-0.89	21	-0.15	Decreasing	-0.34
PTX06-1050	64	-0.57	Decreasing	-8.12	8	0.49	Increasing	0.7	38	-0.64	Decreasing	-4.48	21	-0.92	Decreasing	-3.87
PTX06-1051	6	0.63	Increasing	1.9	4	-0.14	Decreasing	-0.2	6	0.63	Increasing	1.9	2	0.00	N/A (<3 Measurements)	1.4
PTX06-1052	73	-0.32	Decreasing	-4.65	8	-0.70	Decreasing	-1.1	39	-0.38	Decreasing	-3.41	21	-0.37	Decreasing	-2.23
PTX06-1053	71	-0.05	No Trend	-0.42	8	-0.17	Decreasing	-0.3	38	-0.10	Decreasing	-1.07	20	-0.01	No Trend	-0.26
PTX06-1055	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1069	59	0.01	No Trend	0.08	6	-0.18	Decreasing	-0.3	28	0.03	No Trend	-0.25	15	0.05	No Trend	0.46
PTX06-1071	41	-0.09	No Trend	-0.49	4	0.16	Increasing	0.3	21	-0.02	No Trend	-0.2	10	0.09	No Trend	0.48
PTX06-1073A	33	-0.27	Decreasing	-3.88	5	-0.50	Decreasing	-0.3	24	-0.25	Decreasing	-0.6	15	-1.45	Decreasing	-6.18
PTX06-1077A	52	-0.26	Decreasing	-3.13	6	-0.40	Decreasing	-0.2	30	-0.45	Decreasing	-3.71	16	-0.49	Decreasing	-2.3
PTX06-1078	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1079	1	0.00	N/A (<3 Measurements)	0	1	0.00	N/A (<3 Measurements)	0	1	0.00	N/A (<3 Measurements)	0	0	0.00	N/A (No Measurements)	-999
PTX06-1080	50	-0.34	Decreasing	-4.79	4	-0.39	Decreasing	-0.5	21	-0.57	Decreasing	-4.79	11	-0.61	Decreasing	-2.55
PTX06-1081	57	0.19	Increasing	4.03	6	0.86	Increasing	1.3	28	0.37	Increasing	2.94	15	0.35	Increasing	1.85
PTX06-1082	44	-0.14	Decreasing	-2.24	4	-0.34	Decreasing	-0.5	23	0.06	No Trend	0.45	12	0.30	Increasing	0.88
PTX06-1083	44	-0.34	Decreasing	-4.29	4	0.06	No Trend	0.1	23	-0.25	Decreasing	-1.95	12	-0.27	Decreasing	-0.89
PTX06-1084	25	0.50	Increasing	7.77	4	1.50	Increasing	2.5	14	1.45	Increasing	12.32	9	-0.55	Decreasing	0.9
PTX06-1085	47	0.56	Increasing	8.65	7	1.07	Increasing	0.8	30	0.69	Increasing	6.25	15	0.79	Increasing	3.06
PTX06-1086	51	0.47	Increasing	8.97	7	0.96	Increasing	1.7	30	0.50	Increasing	4.72	15	0.49	Increasing	2
PTX06-1087	36	0.66	Increasing	10.18	4	1.22	Increasing	1.8	19	0.90	Increasing	8.08	10	1.13	Increasing	4.09
PTX06-1088	63	-0.70	Decreasing	-7.69	9	1.02	Increasing	1.9	39	-0.85	Decreasing	-5.04	20	-1.16	Decreasing	-5.95
PTX06-1089	15	-0.01	No Trend	0	4	0.06	No Trend	0.1	15	-0.01	No Trend	0	8	-0.02	No Trend	-0.1
PTX06-1090	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1091	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1093	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1094	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1095A	50	-0.82	Decreasing	-7.4	8	0.88	Increasing	1.4	39	-0.84	Decreasing	-5.4	21	-1.21	Decreasing	-6.59

Perched Water Level Summary Trends

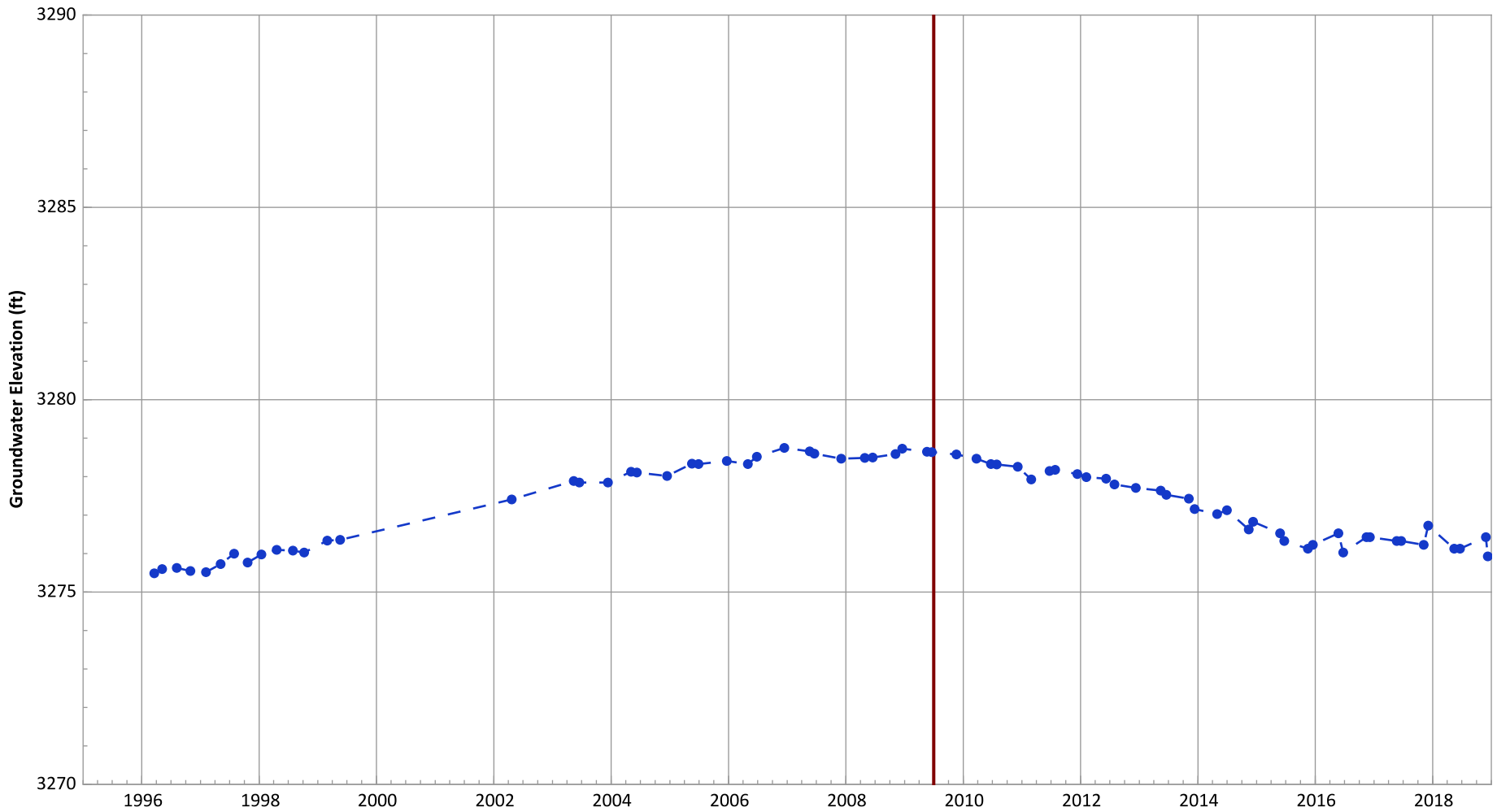
Well	Num_AD	Slope_AD	Trend_AD	Change_AD	Num_L2Y	Slope_L2Y	Trend_L2Y	Change_L2Y	Num_SSRA	Slope_SSRA	Trend_SSRA	Change_SSRA	Num_5YRP	Slope_5YRP	Trend_5YRP	Change_5YRP
PTX06-1096A	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1097	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1098	38	-0.32	Decreasing	-4	8	-0.08	No Trend	-0.4	37	-0.30	Decreasing	-1.9	20	-0.32	Decreasing	-1.62
PTX06-1100	33	-0.35	Decreasing	-4.09	6	-0.23	Decreasing	-0.28	29	-0.34	Decreasing	-2.15	15	-0.43	Decreasing	-2.03
PTX06-1101	30	-0.33	Decreasing	-3.73	6	-0.23	Decreasing	-0.32	29	-0.33	Decreasing	-2.02	15	-0.38	Decreasing	-1.76
PTX06-1102	46	-0.73	Decreasing	-9.84	3	-0.11	Decreasing	-0.1	26	-1.22	Decreasing	-8.29	15	-1.21	Decreasing	-7.5
PTX06-1103	9	-7.90	Decreasing	-22.6	0	0.00	N/A (No Measurements)	-999	3	-27.43	Decreasing	-10.19	0	0.00	N/A (No Measurements)	-999
PTX06-1104	20	-0.40	Decreasing	-3.07	0	0.00	N/A (No Measurements)	-999	16	-0.45	Decreasing	-2.82	8	-0.70	Decreasing	-2.48
PTX06-1106	27	-0.48	Decreasing	-5.12	4	-0.37	Decreasing	-0.58	22	-0.53	Decreasing	-4.53	10	-0.68	Decreasing	-3
PTX06-1107	22	-0.42	Decreasing	-3.44	0	0.00	N/A (No Measurements)	-999	18	-0.46	Decreasing	-3.12	10	-0.66	Decreasing	-2.95
PTX06-1117	21	-1.03	Decreasing	-7.35	2	0.00	N/A (<3 Measurements)	0.2	16	-0.69	Decreasing	-3.44	9	-0.93	Decreasing	-2.2
PTX06-1118	32	-0.64	Decreasing	-4.95	0	0.00	N/A (No Measurements)	-999	24	-0.32	Decreasing	-2.22	14	-0.13	Decreasing	0.21
PTX06-1119	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1120	37	-0.47	Decreasing	-6.48	6	-2.20	Decreasing	-3.7	34	-0.53	Decreasing	-6.22	20	-0.47	Decreasing	-1.87
PTX06-1121	32	-0.32	Decreasing	-2.45	0	0.00	N/A (No Measurements)	-999	29	-0.35	Decreasing	-2.21	21	-0.38	Decreasing	-1.64
PTX06-1122	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1123	64	-0.25	Decreasing	-3.8	11	-0.23	Decreasing	-0.54	56	-0.30	Decreasing	-2.29	32	-0.46	Decreasing	-1.41
PTX06-1125	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1126	51	0.06	No Trend	0.89	9	0.10	Increasing	0.3	41	0.07	No Trend	0.67	22	0.16	Increasing	0.76
PTX06-1127	49	-0.06	No Trend	-0.38	9	0.11	Increasing	0.3	39	-0.06	No Trend	-0.51	20	0.00	No Trend	0.15
PTX06-1128	24	-0.88	Decreasing	-6.51	4	1.20	Increasing	2	19	-0.63	Decreasing	-3.83	10	-0.60	Decreasing	-2.87
PTX06-1129	24	-0.87	Decreasing	-9.46	4	-0.55	Decreasing	-1	19	-0.45	Decreasing	-5	10	-0.43	Decreasing	-1.63
PTX06-1130	26	-1.74	Decreasing	-18.86	0	0.00	N/A (No Measurements)	-999	24	-1.82	Decreasing	-17.79	15	-2.50	Decreasing	-14.9
PTX06-1131	36	0.33	Increasing	3.43	6	0.50	Increasing	0.7	34	0.33	Increasing	3.26	17	0.33	Increasing	1.49
PTX06-1133A	30	0.13	Increasing	-0.36	8	0.55	Increasing	0.5	30	0.13	Increasing	-0.36	20	-0.23	Decreasing	-0.55
PTX06-1134	40	0.17	Increasing	1.66	9	0.22	Increasing	0.5	39	0.17	Increasing	1.86	20	0.08	No Trend	0.58
PTX06-1135	36	-0.28	Decreasing	-2.86	4	-0.52	Decreasing	-0.3	34	-0.27	Decreasing	-2.42	20	-0.28	Decreasing	-1.34
PTX06-1136	29	-2.80	Decreasing	-16.82	0	0.00	N/A (No Measurements)	-999	27	-2.99	Decreasing	-16.74	18	-3.74	Decreasing	-15.72
PTX06-1146	41	-0.77	Decreasing	-7.05	9	-0.63	Decreasing	-1.4	39	-0.78	Decreasing	-6.98	20	-0.84	Decreasing	-3.42
PTX06-1147	41	-0.40	Decreasing	-3.8	9	-0.36	Decreasing	-0.6	39	-0.40	Decreasing	-3.76	20	-0.47	Decreasing	-2.33
PTX06-1148	50	-0.15	Decreasing	-1.64	13	-0.16	Decreasing	-0.16	49	-0.14	Decreasing	-1.29	26	-0.10	Decreasing	-0.34
PTX06-1149	49	-0.05	No Trend	-0.8	13	-0.10	No Trend	-0.03	48	-0.05	No Trend	-0.46	25	0.02	No Trend	0.31
PTX06-1150	49	0.03	No Trend	0.11	12	0.00	No Trend	0.17	48	0.03	No Trend	0.44	26	0.05	No Trend	0.52
PTX06-1151	44	0.19	Increasing	2.12	9	0.27	Increasing	0.5	41	0.19	Increasing	2.11	22	0.17	Increasing	1.01
PTX06-1153	57	-0.26	Decreasing	-2.17	13	-0.33	Decreasing	-0.62	57	-0.26	Decreasing	-2.17	30	-0.34	Decreasing	-1.09
PTX06-1154	57	-0.28	Decreasing	-2.07	12	-0.19	Decreasing	-0.49	57	-0.28	Decreasing	-2.07	31	-0.40	Decreasing	-1.19
PTX06-1155	57	0.09	No Trend	1.23	13	0.14	Increasing	0.28	57	0.09	No Trend	1.23	30	0.10	Increasing	0.62
PTX06-1156	57	-0.15	Decreasing	-1.11	13	-0.11	Decreasing	-0.17	57	-0.15	Decreasing	-1.11	30	-0.15	Decreasing	-0.68
PTX06-1158	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1159	25	0.13	Increasing	0.97	8	0.20	Increasing	0.5	25	0.13	Increasing	0.97	17	0.07	No Trend	0.67
PTX06-1160	25	0.25	Increasing	1.58	8	0.39	Increasing	0.9	25	0.25	Increasing	1.58	17	0.14	Increasing	1.08
PTX06-1162	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1166	25	-0.29	Decreasing	-2.11	8	-0.31	Decreasing	-0.5	25	-0.29	Decreasing	-2.11	17	-0.31	Decreasing	-1.61
PTX06-1167	2	0.00	N/A (<3 Measurements)	-0.1	0	0.00	N/A (No Measurements)	-999	2	0.00	N/A (<3 Measurements)	-0.1	2	0.00	N/A (<3 Measurements)	-0.1
PTX06-1168	7	-0.05	No Trend	-0.3	4	0.45	Increasing	0.5	7	-0.05	No Trend	-0.3	3	-1.73	Decreasing	-1.6
PTX06-1171	11	0.13	Increasing	1.1	6	0.26	Increasing	0.4	11	0.13	Increasing	1.1	5	0.66	Increasing	1.3
PTX06-1172	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1173	13	0.26	Increasing	0.48	12	0.37	Increasing	0.57	13	0.26	Increasing	0.48	1	0.00	N/A (<3 Measurements)	0
PTX06-1174	13	0.23	Increasing	0.68	12	0.31	Increasing	0.72	13	0.23	Increasing	0.68	1	0.00	N/A (<3 Measurements)	0
PTX06-1175	14	0.17	Increasing	0.45	13	0.17	Increasing	0.34	14	0.17	Increasing	0.45	1	0.00	N/A (<3 Measurements)	0
PTX06-1180	7	0.35	Increasing	1.2	6	0.37	Increasing	0.9	7	0.35	Increasing	1.2	1	0.00	N/A (<3 Measurements)	0
PTX06-1181	6	0.24	Increasing	0.7	5	0.24	Increasing	0.5	6	0.24	Increasing	0.7	1	0.00	N/A (<3 Measurements)	0
PTX06-1182	11	0.07	No Trend	0.2	9	0.13	Increasing	0.2	11	0.07	No Trend	0.2	2	0.00	N/A (<3 Measurements)	0
PTX06-1183	9	-0.33	Decreasing	-0.6	8	-0.27	Decreasing	-0.2	9	-0.33	Decreasing	-0.6	1	0.00	N/A (<3 Measurements)	0
PTX06-1184	3	0.27	Increasing	0.3	3	0.27	Increasing	0.3	3	0.27	Increasing	0.3	0	0.00	N/A (No Measurements)	-999
PTX06-1185	6	1.30	Increasing	0.1	6	1.30	Increasing	0.1	6	1.30	Increasing	0.1	0	0.00	N/A (No Measurements)	-999
PTX06-1188	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1189	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1190	5	0.24	Increasing	0.1	5	0.24	Increasing	0.1	5	0.24	Increasing	0.1	0	0.00	N/A (No Measurements)	-999
PTX06-1191	4	0.07	No Trend	0.1	4	0.07	No Trend	0.1	4	0.07	No Trend	0.1	0	0.00	N/A (No Measurements)	-999
PTX06-1192	4	-0.14	Decreasing	-0.1	4	-0.14	Decreasing	-0.1	4	-0.14	Decreasing	-0.1	0	0.00	N/A (No Measurements)	-999
PTX06-1193	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX06-1194	5	-0.09	No Trend	-0.1	5	-0.09	No Trend	-0.1	5	-0.09	No Trend	-0.1	0	0.00	N/A (No Measurements)	-999
PTX06-1195	4	0.10	No Trend	0.1	4	0.10	No Trend	0.1	4	0.10	No Trend	0.1	0	0.00	N/A (No Measurements)	-999
PTX06-1196	2	0.00	N/A (<3 Measurements)	0	2	0.00	N/A (<3 Measurements)	0	2	0.00	N/A (<3 Measurements)	0	0	0.00	N/A (No Measurements)	-999
PTX06-1197	2	0.00	N/A (<3 Measurements)	0.2	2	0.00	N/A (<3 Measurements)	0.2	2	0.00	N/A (<3 Measurements)	0.2	0	0.00	N/A (No Measurements)	-999
PTX06-1198	2	0.00	N/A (<3 Measurements)	-0.2	2	0.00	N/A (<3 Measurements)	-0.2	2	0.00	N/A (<3 Measurements)	-0.2	0	0.00	N/A (No Measurements)	-999
PTX06-1199	2	0.00	N/A (<3 Measurements)	0.1	2	0.00	N/A (<3 Measurements)	0.1	2	0.00	N/A (<3 Measurements)	0.1	0	0.00	N/A (No Measurements)	-999
PTX06-PRB14	1	0.00	N/A (<3 Measurements)	0	1	0.00	N/A (<3 Measurements)	0	1	0.00	N/A (<3 Measurements)	0	0	0.00	N/A (No Measurements)	-999

Perched Water Level Summary Trends

Well	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
PTX07-1001	65	-0.33	Decreasing	-4.86	6	0.41	Increasing	0.9	33	-0.60	Decreasing	-3.48	17	-0.92	Decreasing	-3.45
PTX07-1002	68	-0.38	Decreasing	-10.39	8	-1.73	Decreasing	-4.1	39	-1.11	Decreasing	-9.76	21	-1.13	Decreasing	-4.62
PTX07-1003	59	-0.32	Decreasing	-4.59	6	0.86	Increasing	1	29	-0.46	Decreasing	-2.78	15	-0.65	Decreasing	-2.33
PTX07-1004	40	-0.39	Decreasing	-6.92	4	-0.12	Decreasing	-0.2	19	-0.57	Decreasing	-4.38	10	-0.78	Decreasing	-3.18
PTX07-1005	37	-0.35	Decreasing	-5.75	4	-0.08	No Trend	-0.1	19	-0.26	Decreasing	-2.7	11	-0.22	Decreasing	-1.47
PTX07-1006	44	-0.45	Decreasing	-7.4	0	0.00	N/A (No Measurements)	-999	20	-0.24	Decreasing	-0.75	12	-0.48	Decreasing	-1.82
PTX07-1P01	41	-0.26	Decreasing	-4.59	4	-0.12	Decreasing	-0.2	19	-0.14	Decreasing	-1.6	10	-0.08	No Trend	-0.4
PTX07-1P02	66	-0.72	Decreasing	-10.05	10	1.43	Increasing	2.1	40	-0.68	Decreasing	-3.89	20	-0.84	Decreasing	-3.3
PTX07-1P03	41	-0.37	Decreasing	-6.45	4	-0.12	Decreasing	-0.2	18	-0.39	Decreasing	-3.39	10	-0.46	Decreasing	-2.15
PTX07-1P04	9	-0.61	Decreasing	-3.17	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999	0	0.00	N/A (No Measurements)	-999
PTX07-1P05	45	-0.48	Decreasing	-8.22	6	-0.07	No Trend	-0.1	28	-0.42	Decreasing	-3.77	14	-0.40	Decreasing	-2.01
PTX07-1P06	42	-0.52	Decreasing	-9.4	4	-0.29	Decreasing	-0.3	19	-0.43	Decreasing	-3.99	10	-0.44	Decreasing	-1.65
PTX07-1Q01	53	0.32	Increasing	7.99	6	0.41	Increasing	0.8	30	0.29	Increasing	3.4	15	0.14	Increasing	1.02
PTX07-1Q02	58	0.34	Increasing	8.51	6	0.58	Increasing	0.8	31	0.34	Increasing	3.53	15	0.18	Increasing	1.89
PTX07-1Q03	56	0.36	Increasing	8.11	7	0.59	Increasing	1.3	31	0.35	Increasing	3.73	15	0.20	Increasing	1.94
PTX07-1R03	43	-0.01	No Trend	0.74	4	0.55	Increasing	0.7	22	0.22	Increasing	1.46	11	0.50	Increasing	2
PTX08-1001	90	-0.97	Decreasing	-13.53	7	3.10	Increasing	4	30	-0.74	Decreasing	-3.32	15	-0.61	Decreasing	-3.67
PTX08-1002	107	-1.11	Decreasing	-16.38	9	2.13	Increasing	2	38	-0.67	Decreasing	-3.27	20	-1.01	Decreasing	-4.32
PTX08-1003	61	0.10	Increasing	3.3	6	0.08	No Trend	0.2	30	-0.25	Decreasing	-1.65	16	-0.34	Decreasing	-1.04
PTX08-1005	70	0.14	Increasing	3.69	8	0.00	No Trend	0	39	0.16	Increasing	0.98	21	0.38	Increasing	1.59
PTX08-1006	73	0.01	No Trend	0.61	8	-0.22	Decreasing	-0.3	38	-0.23	Decreasing	-1.94	20	-0.27	Decreasing	-1.59
PTX08-1007	55	-0.09	No Trend	-1.65	6	0.04	No Trend	0.1	29	-0.37	Decreasing	-2.55	15	-0.59	Decreasing	-2.76
PTX08-1008	78	-0.09	No Trend	-1.44	9	-0.13	Decreasing	0	40	-0.32	Decreasing	-2.59	21	-0.38	Decreasing	-1.52
PTX08-1009	71	-0.26	Decreasing	-2.94	8	-0.21	Decreasing	0	38	-0.51	Decreasing	-3.83	20	-0.54	Decreasing	-2.94
PTX08-1010	57	-0.06	No Trend	-0.3	4	0.06	No Trend	0.1	21	0.05	No Trend	0.1	11	0.24	Increasing	0.83
PTX10-1008	47	0.34	Increasing	8.08	4	0.50	Increasing	0.4	19	0.15	Increasing	2.01	10	0.03	No Trend	0.38
PTX10-1014	52	-0.55	Decreasing	-8.28	6	0.67	Increasing	1.1	29	-0.76	Decreasing	-5.36	16	-1.07	Decreasing	-4.58

AD = All Data
L2Y = Last 2 Years (last four samples)
SSRA = Since Start of Remedial Action
5YRP = Five Year Review Period (current)

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

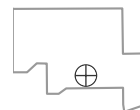


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

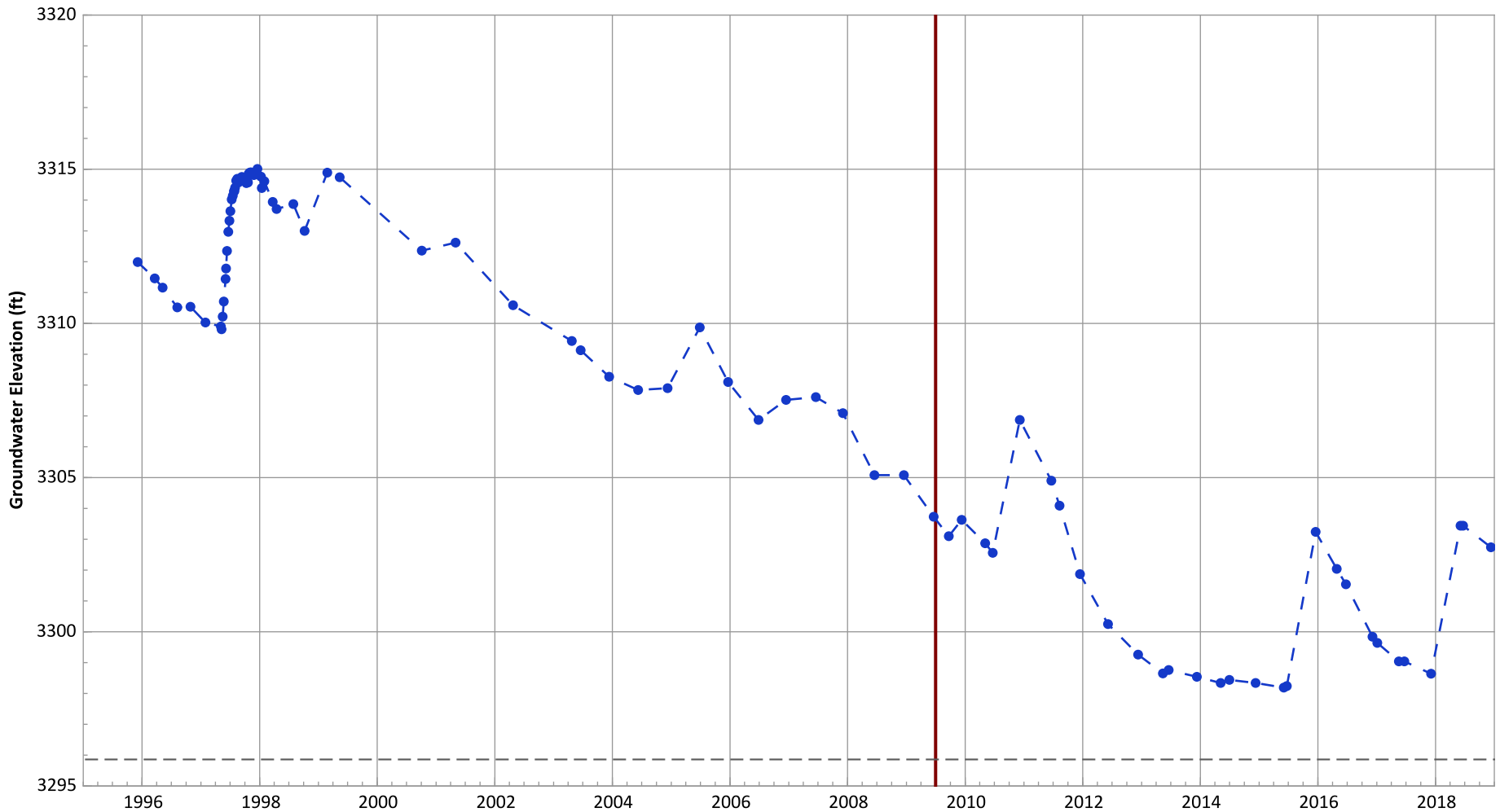
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.16 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.29 ft/yr

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

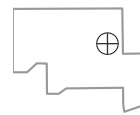


Notes:

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: 02/14/2019

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

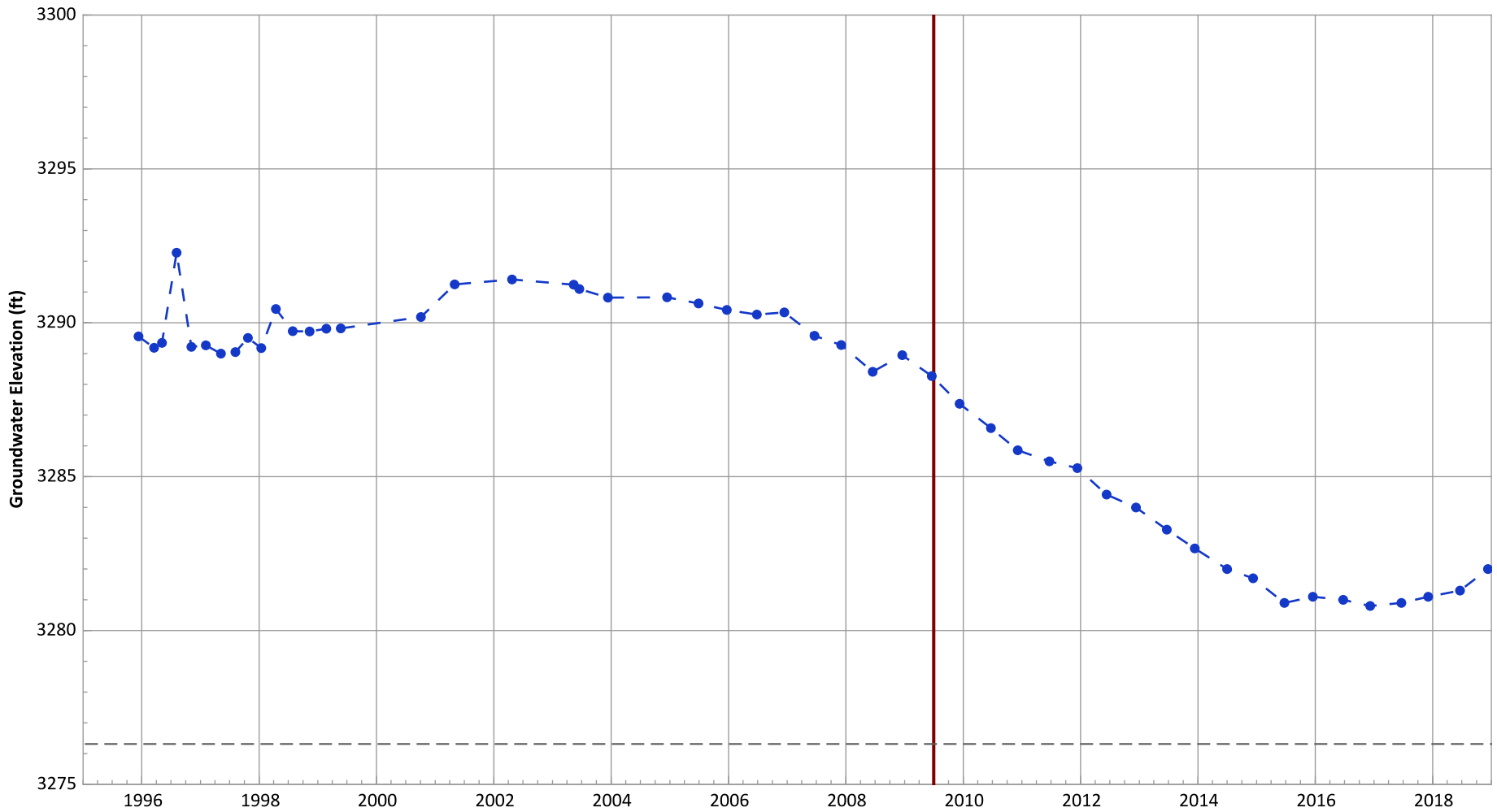
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 2.58 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.3 ft/yr

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

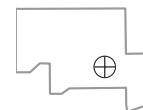


Notes:

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: 02/14/2019

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

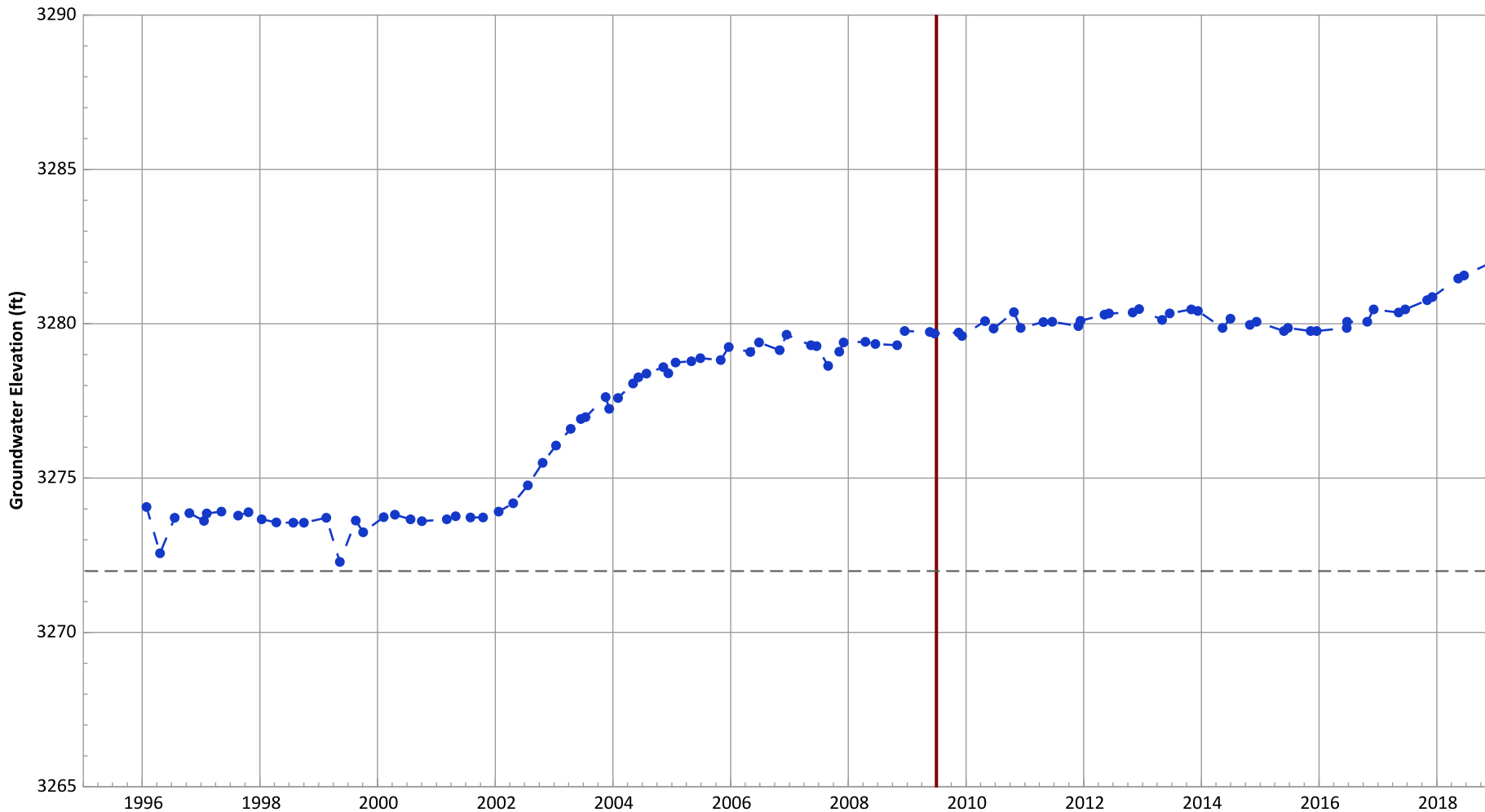
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.7 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.71 ft/yr

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

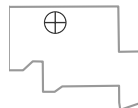


Notes:

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: 02/14/2019

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

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.05 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.13 ft/yr

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

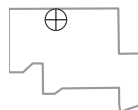


Notes:

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: 02/14/2019

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

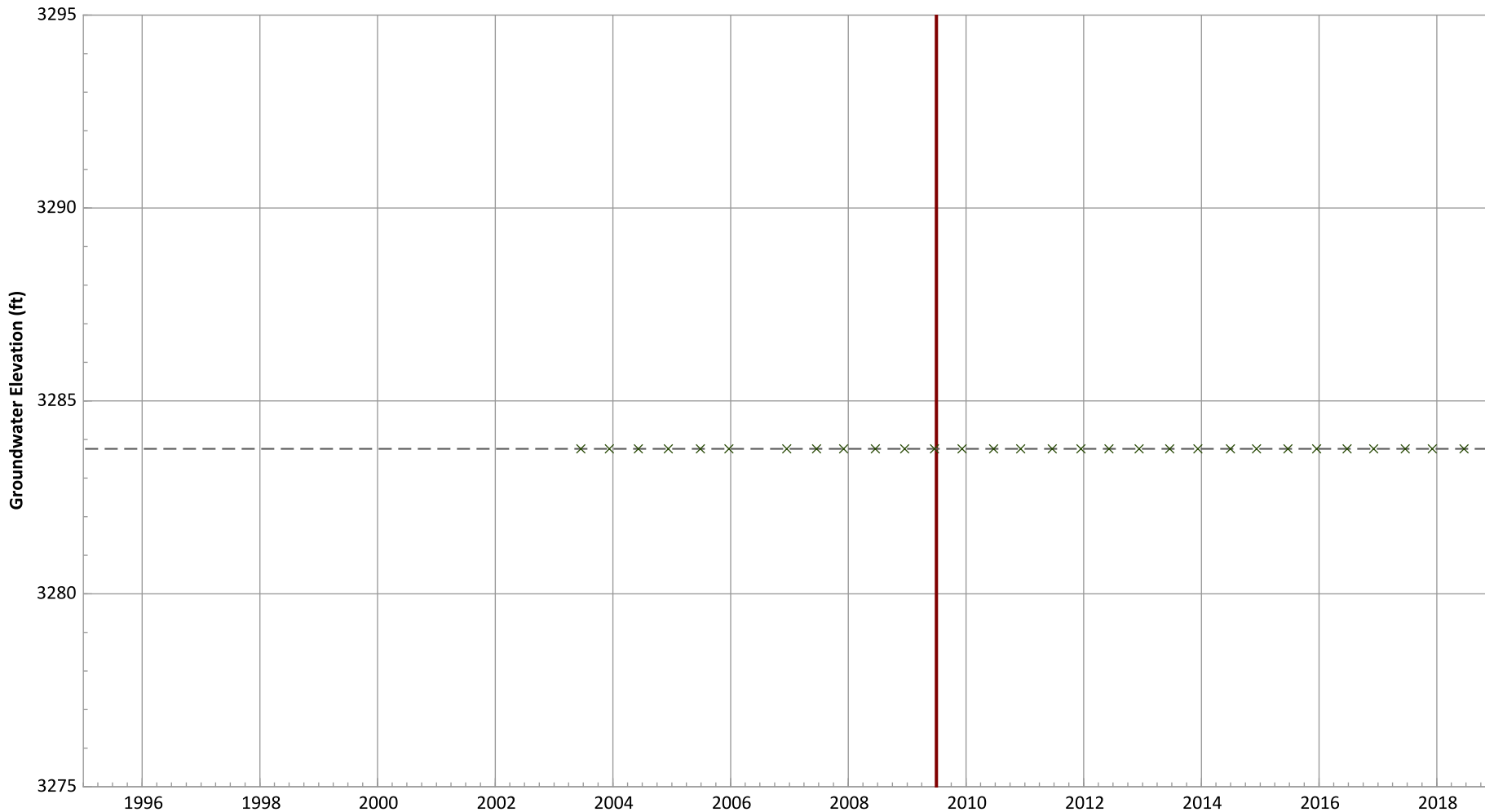
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

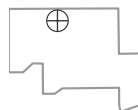


Notes:

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: 02/14/2019

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

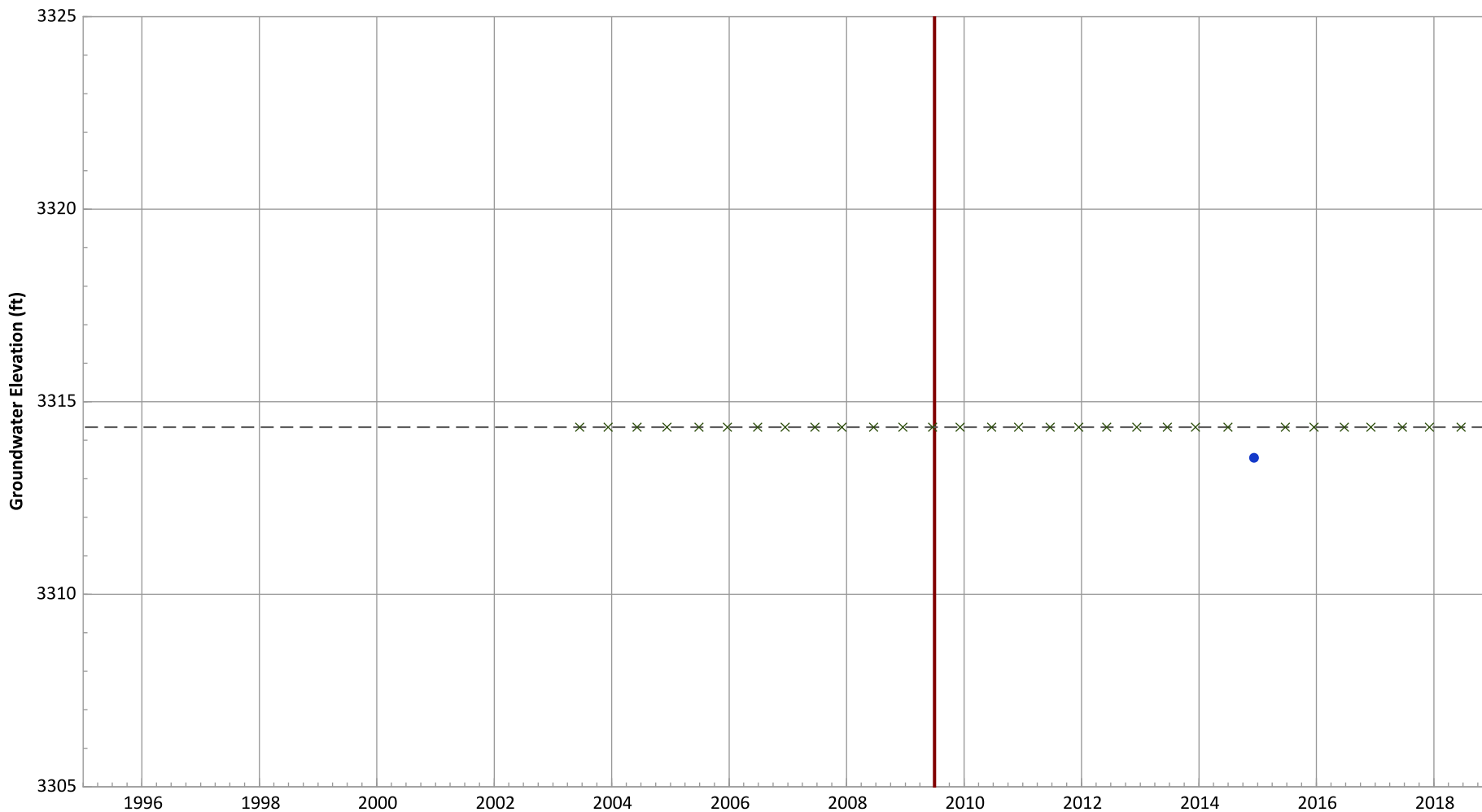
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: N/A (No Measurements)
Data (7/2009 - 12/2018): N/A (No Measurements)

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

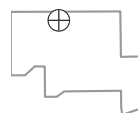


Notes:

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: 02/14/2019

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

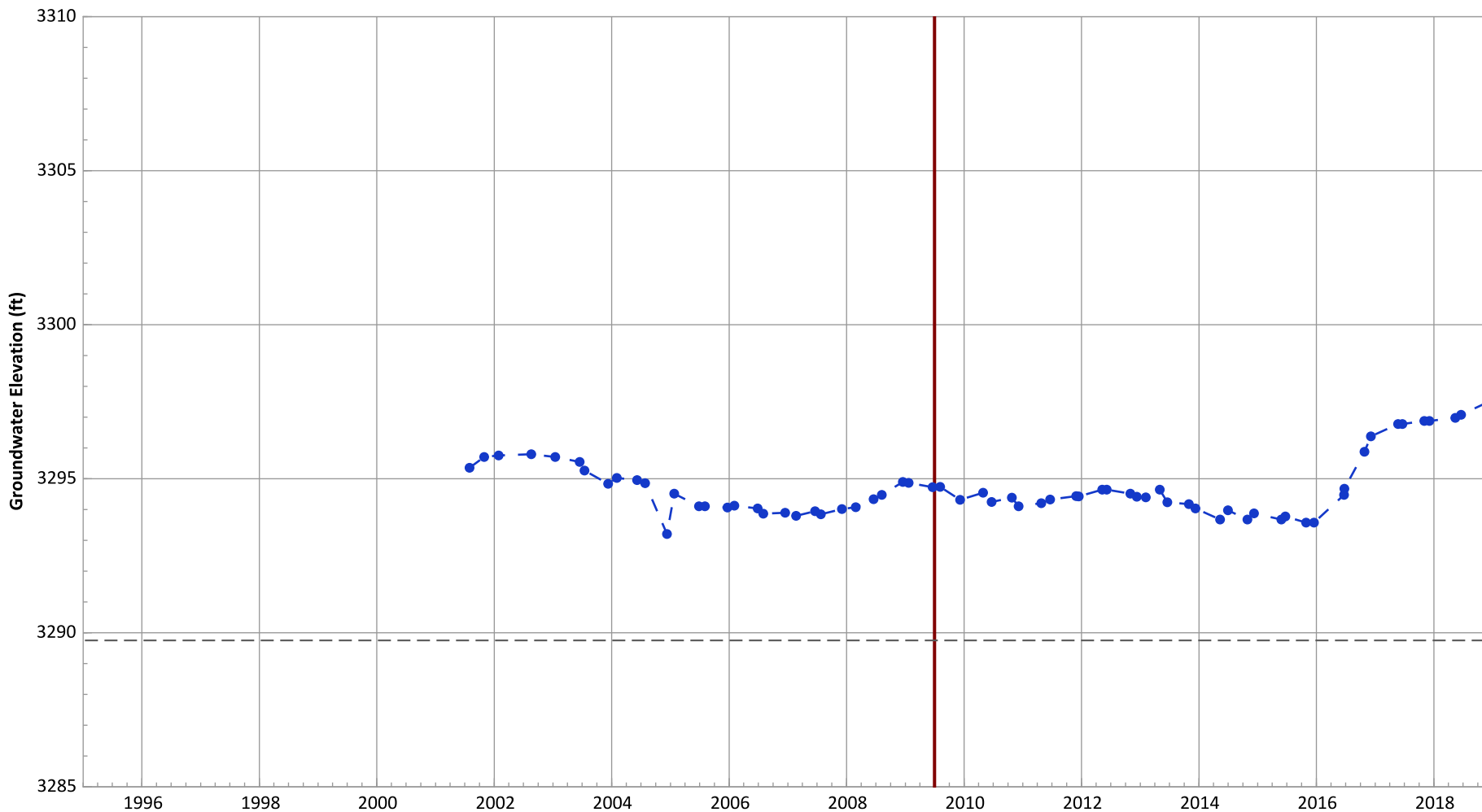
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (<3 Measurements)

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

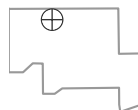


Notes:

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: 02/14/2019

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

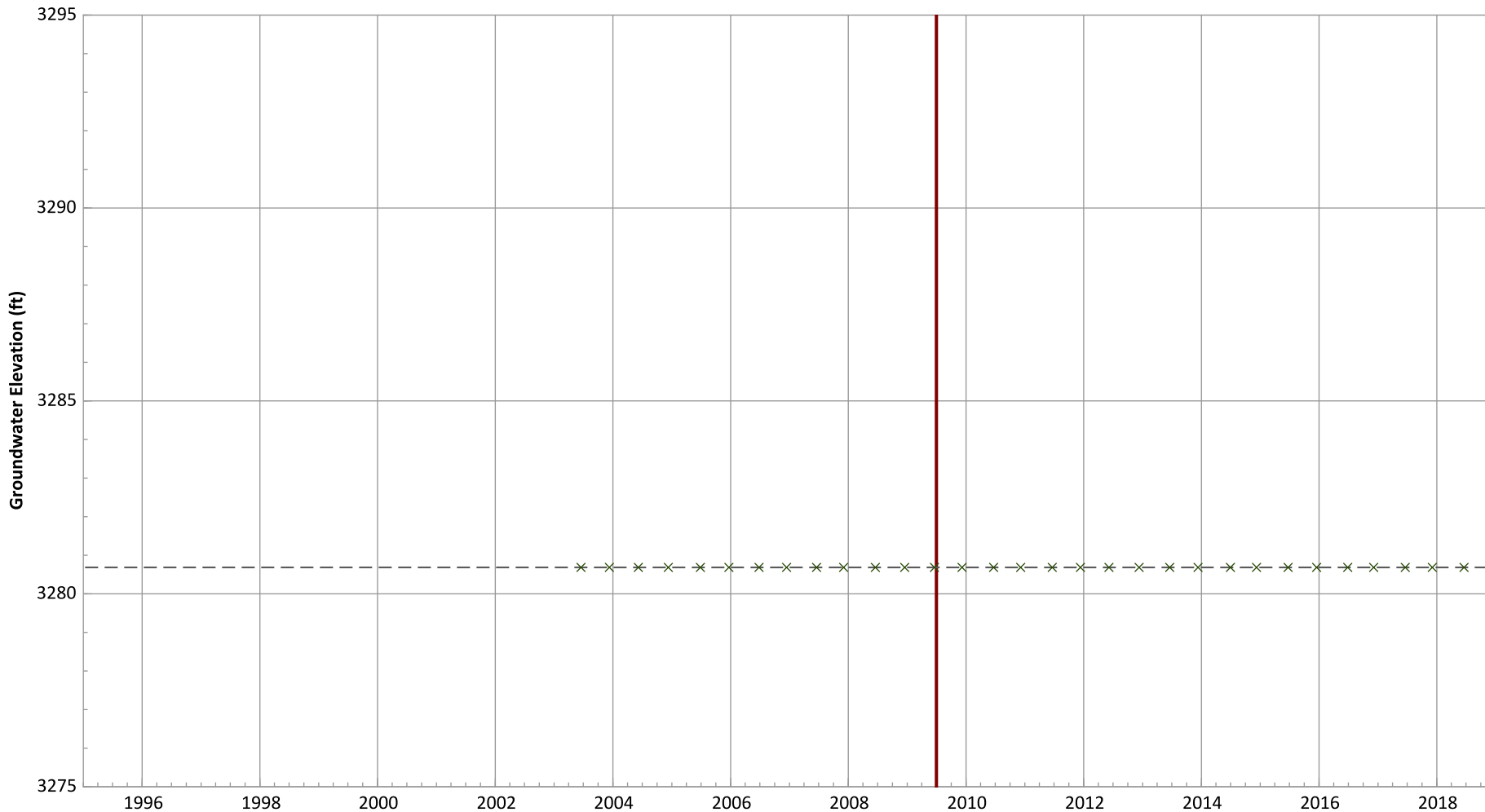
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.45 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.29 ft/yr

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

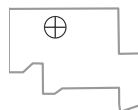


Notes:

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: 02/14/2019

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

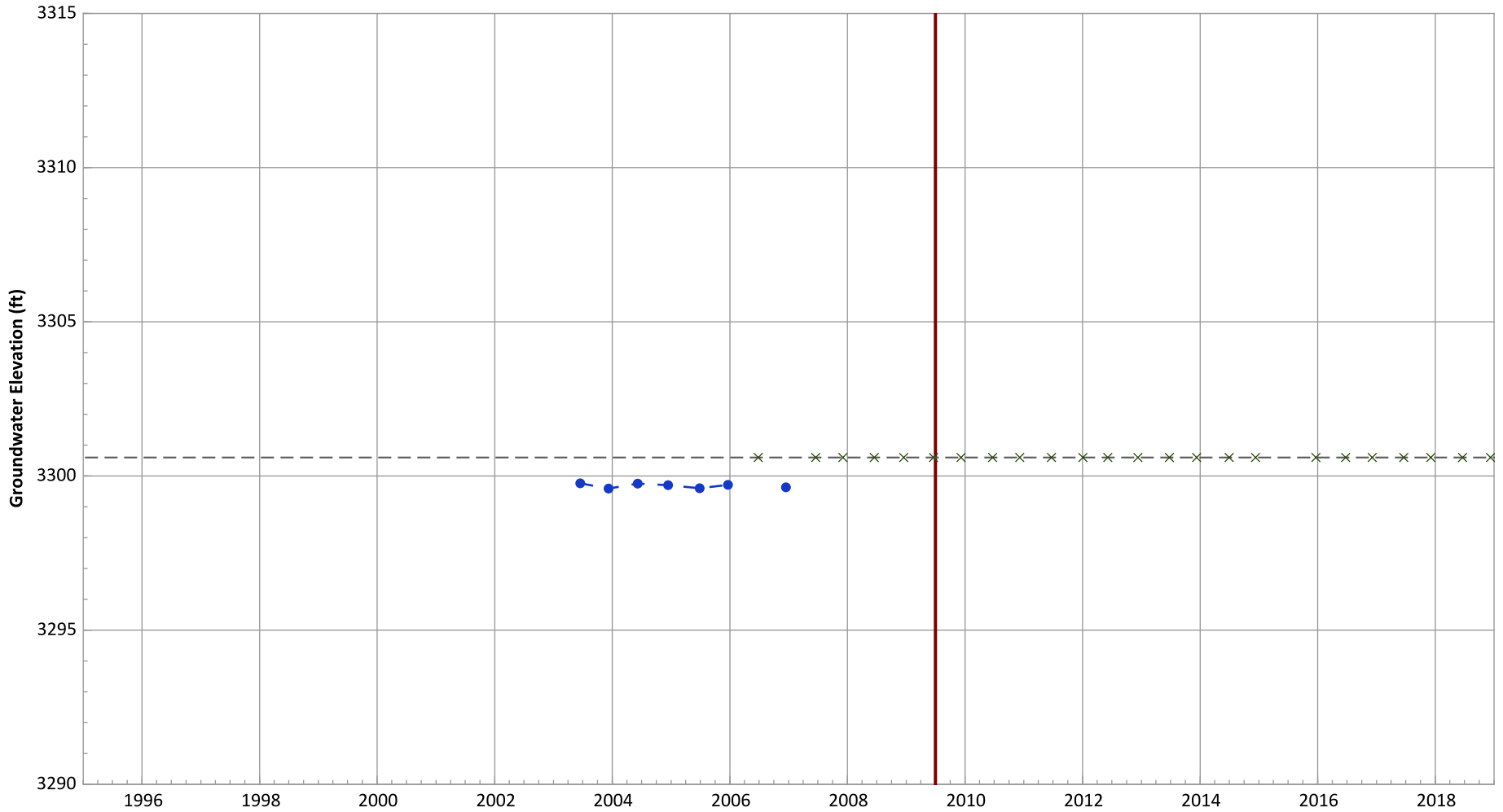
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: N/A (<3 Measurements)
Data (7/2009 - 12/2018): N/A (<3 Measurements)

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

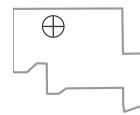


Notes:

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: 02/14/2019

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

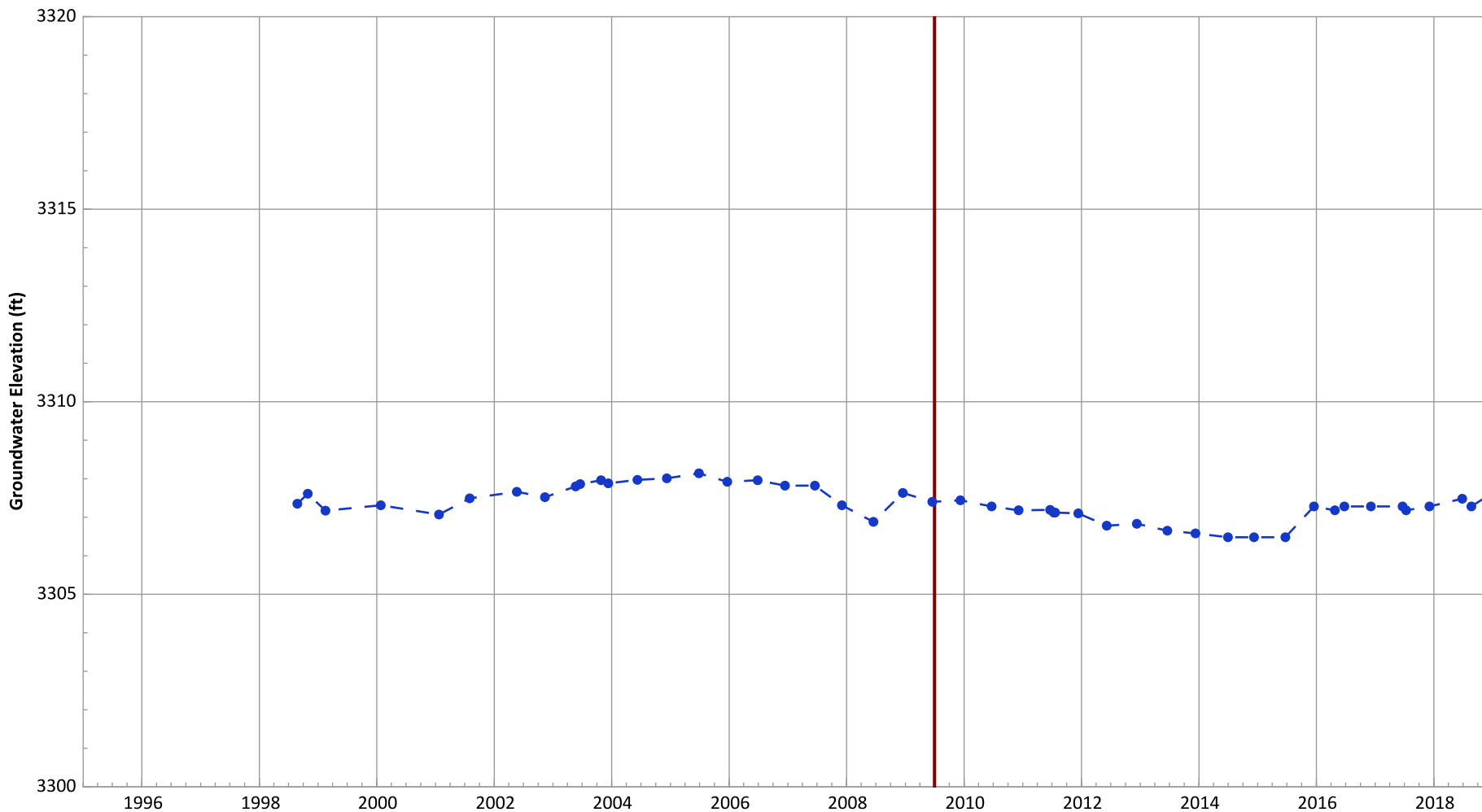
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

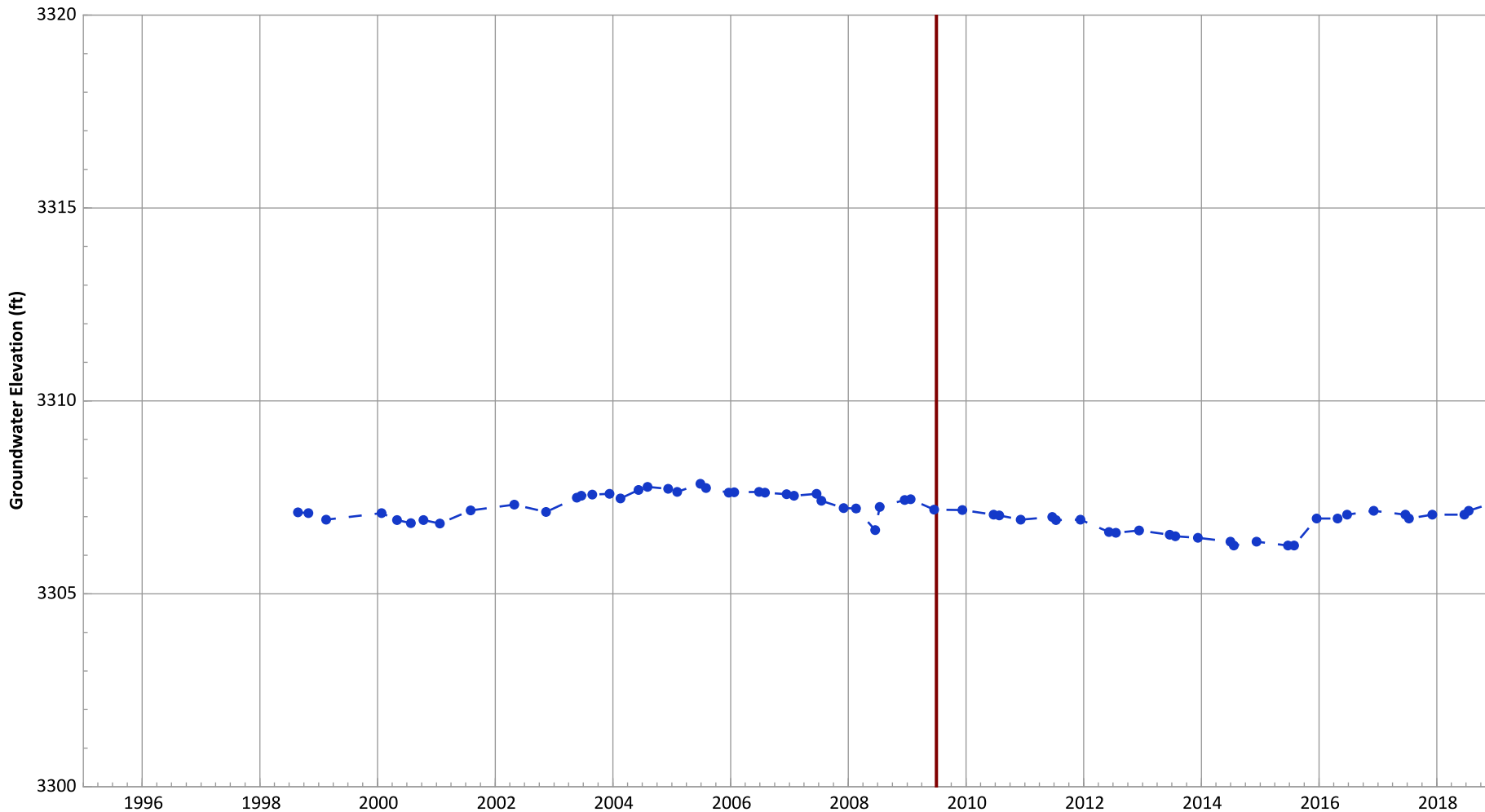
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.19 ft/yr
 Data (7/2009 - 12/2018): No Trend

**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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

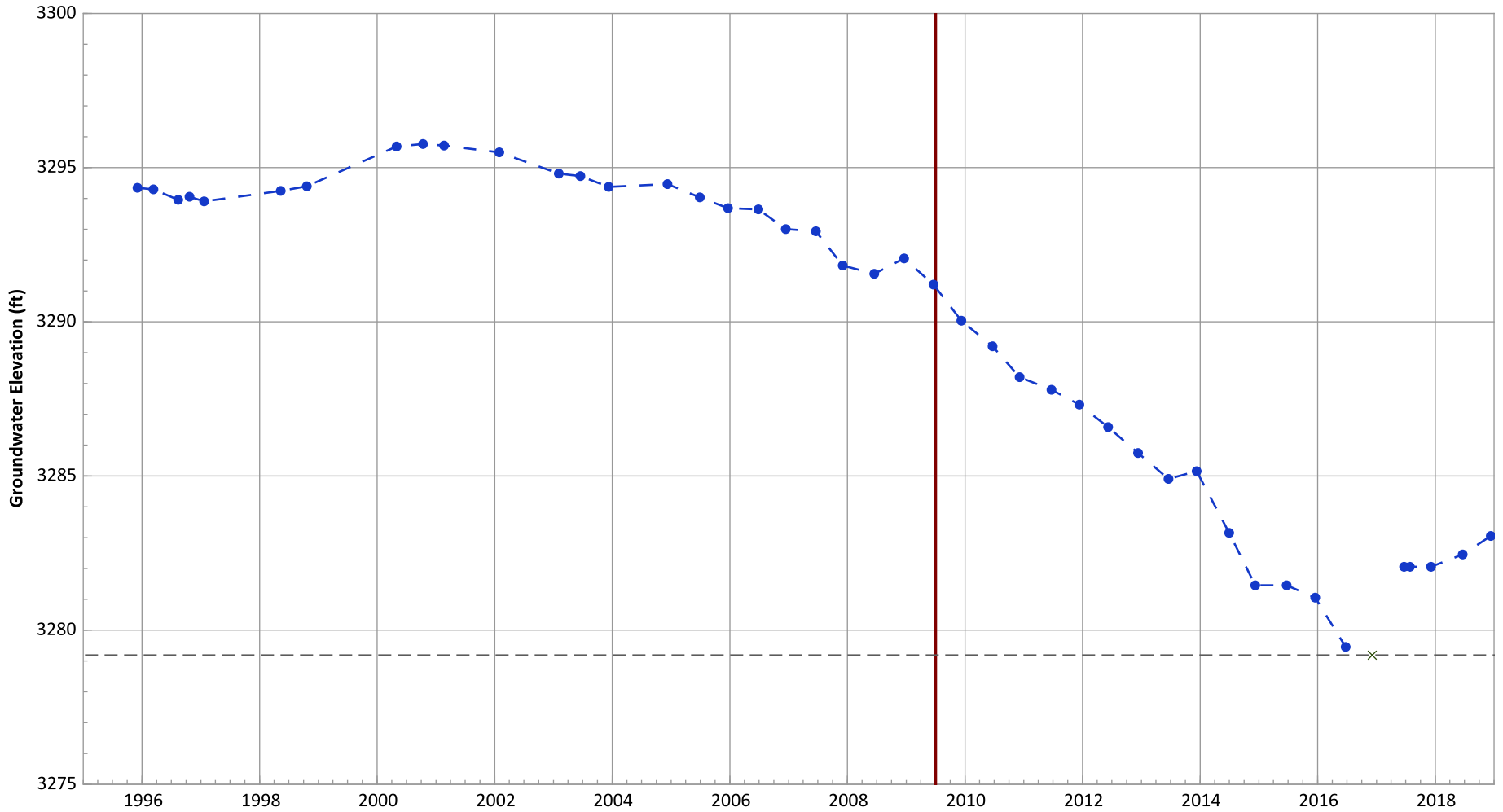
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.19 ft/yr
 Data (7/2009 - 12/2018): No Trend

**PTX06-1001A Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

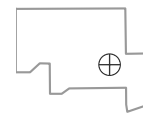


Notes:

1. Top of screen elevation is 3304.19 ft msl.
 2. The bottom of screen elevation is 3279.19 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: 02/14/2019

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

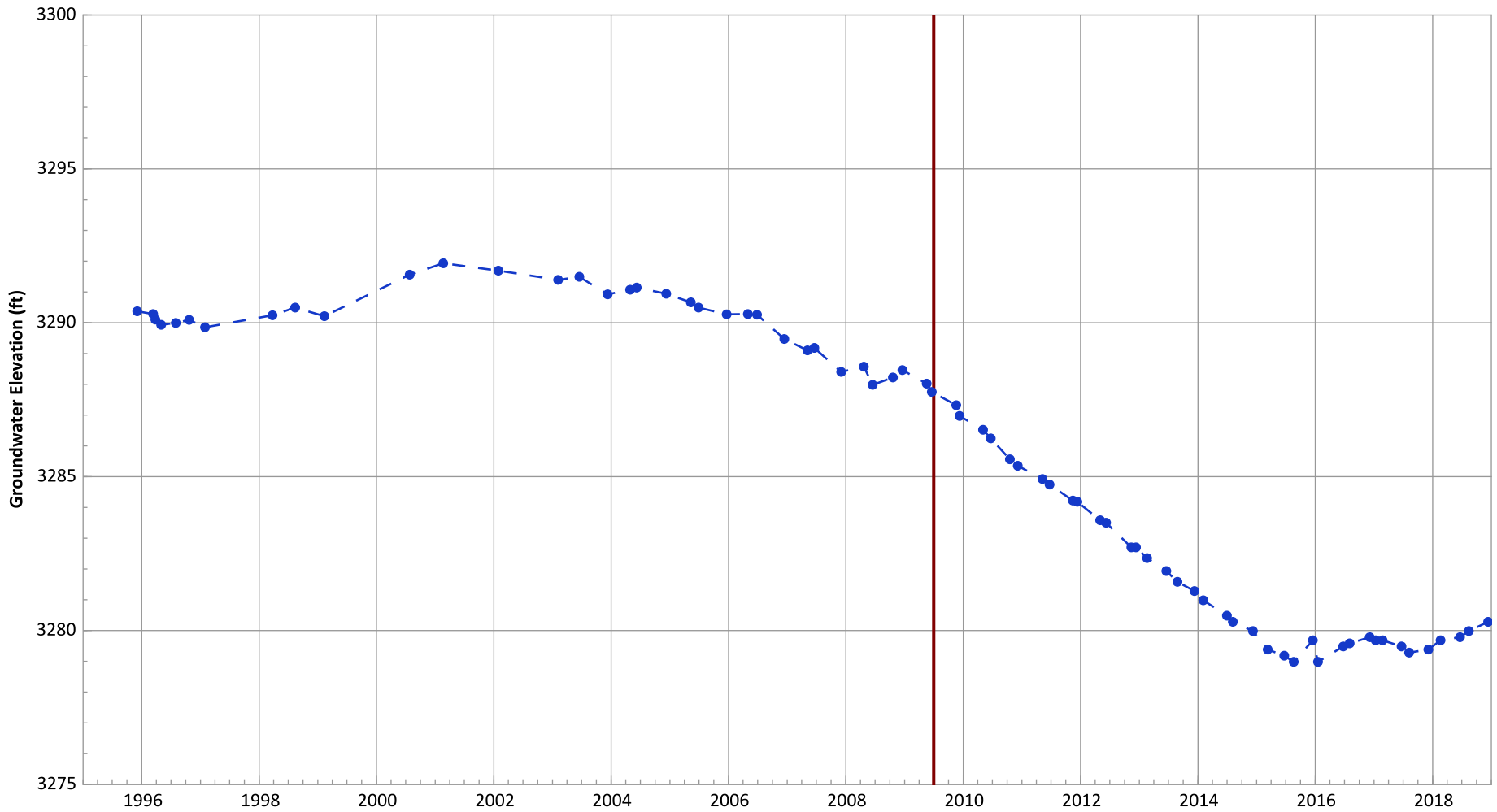
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.66 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.95 ft/yr

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

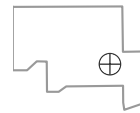


Notes:

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: 02/14/2019

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

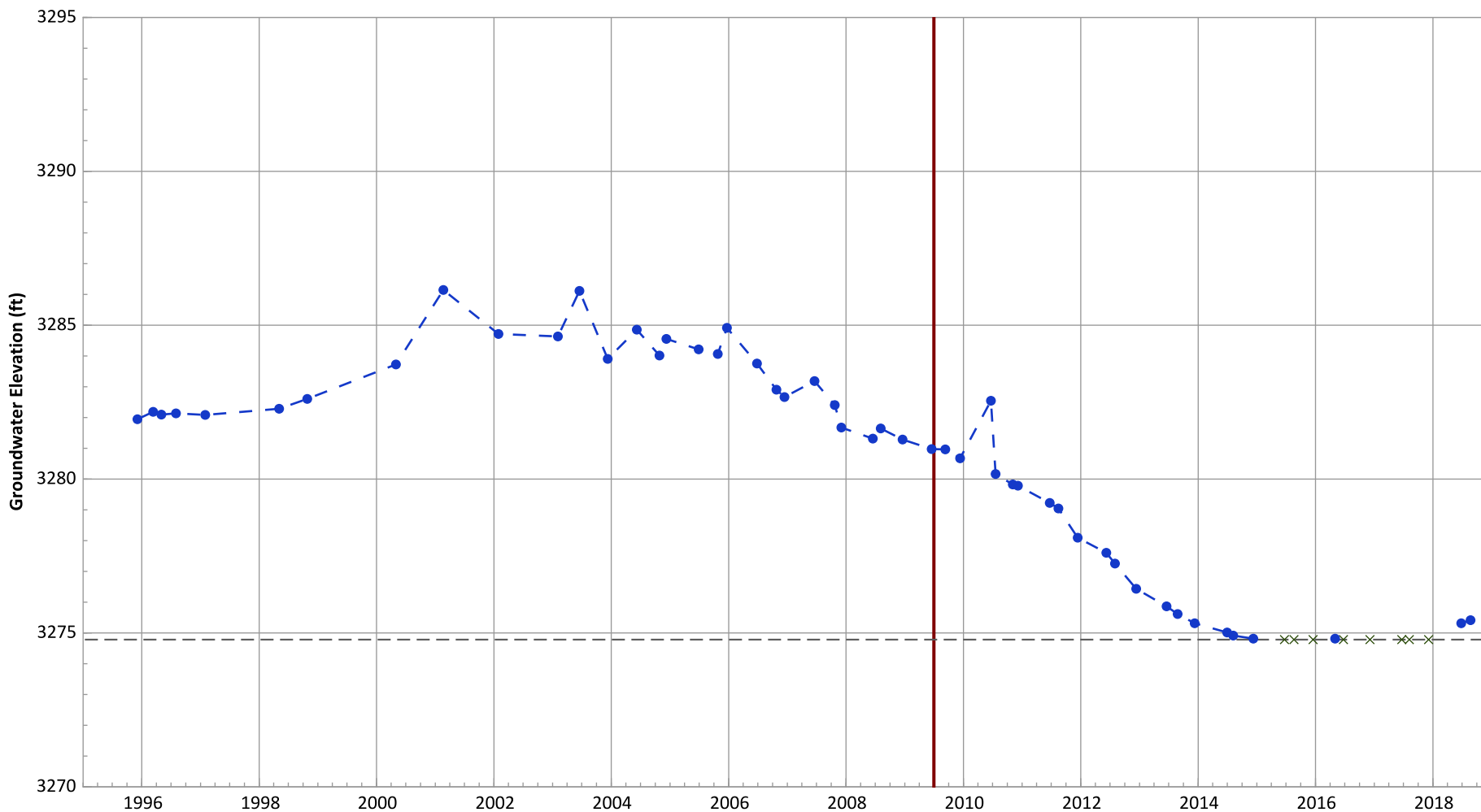
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.31 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.88 ft/yr

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

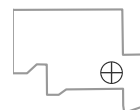


Notes:

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: 02/14/2019

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

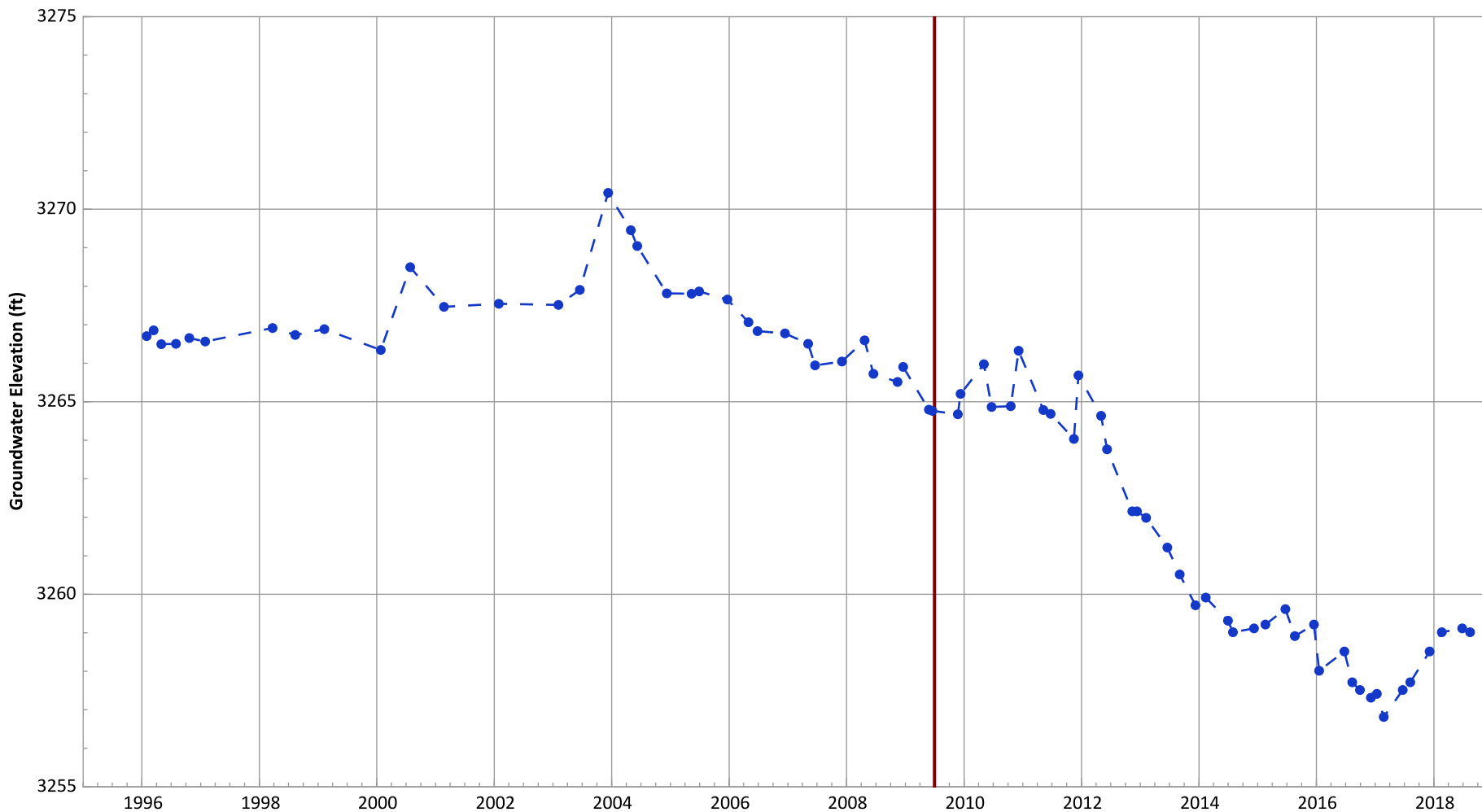
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.19 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.72 ft/yr

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

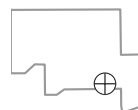


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

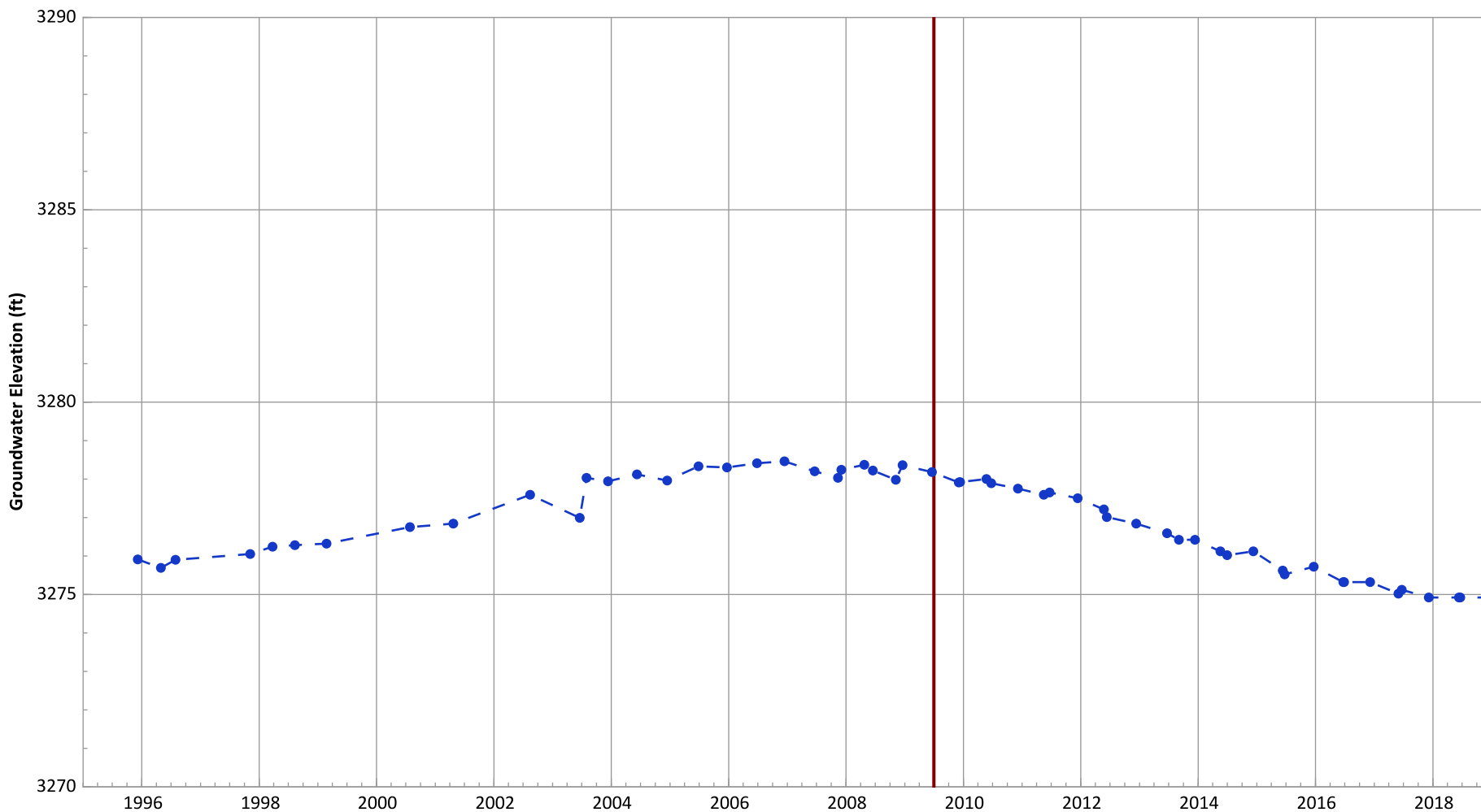
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.29 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.0 ft/yr

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

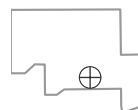


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

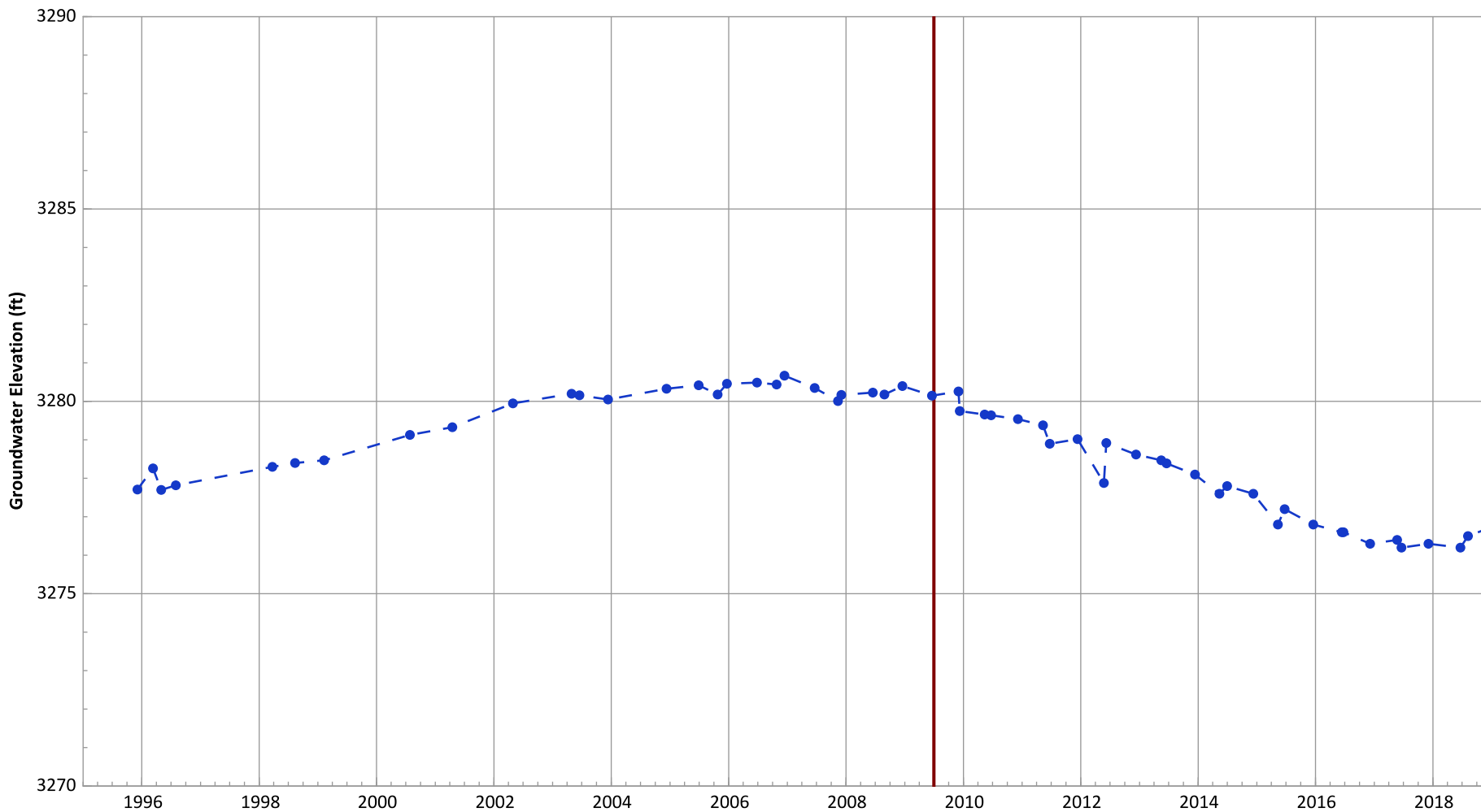
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.11 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.39 ft/yr

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

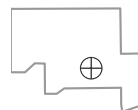


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

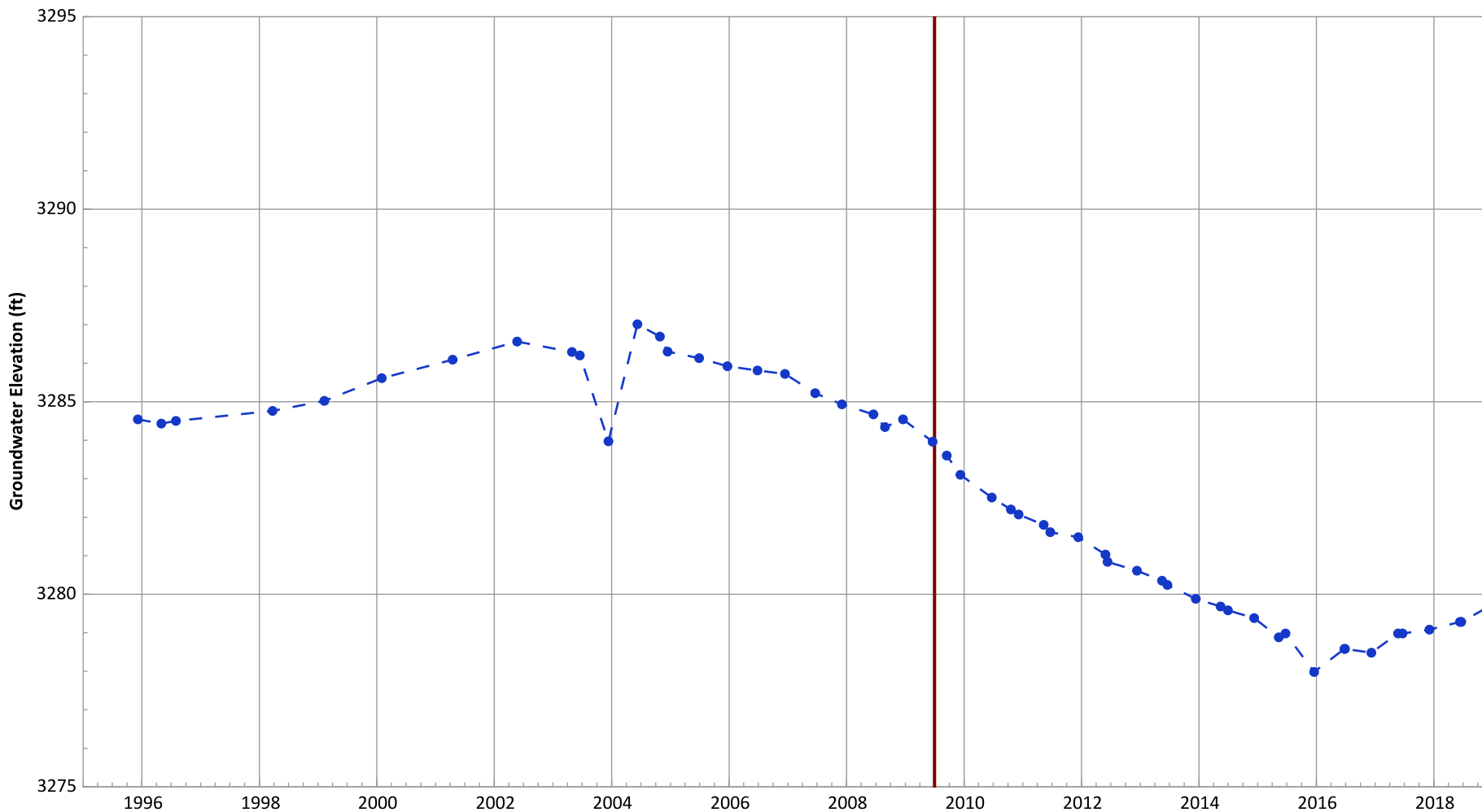
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.19 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.44 ft/yr

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

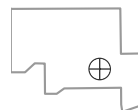


Notes:

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: 02/14/2019

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

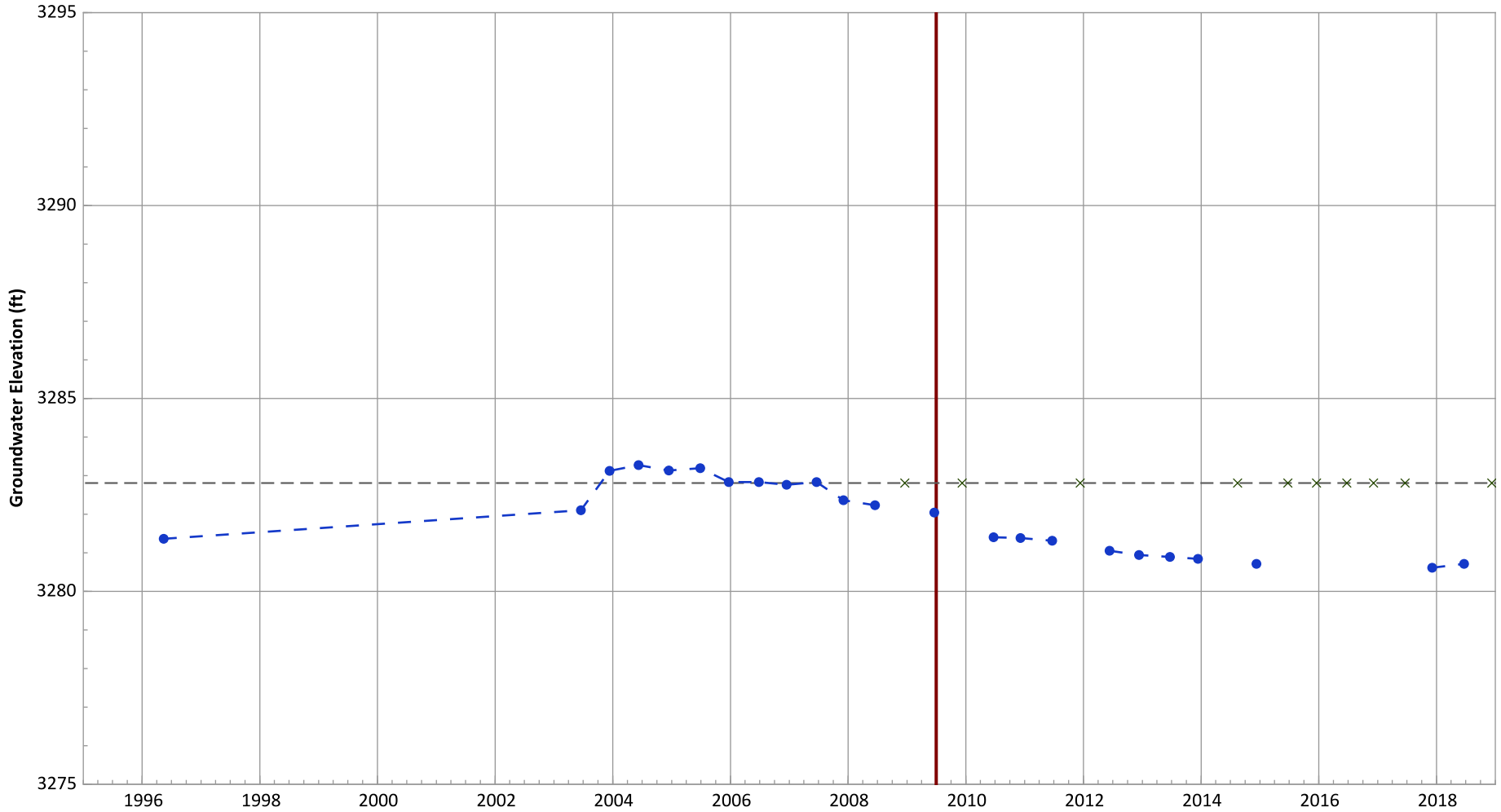
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.41 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.48 ft/yr

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



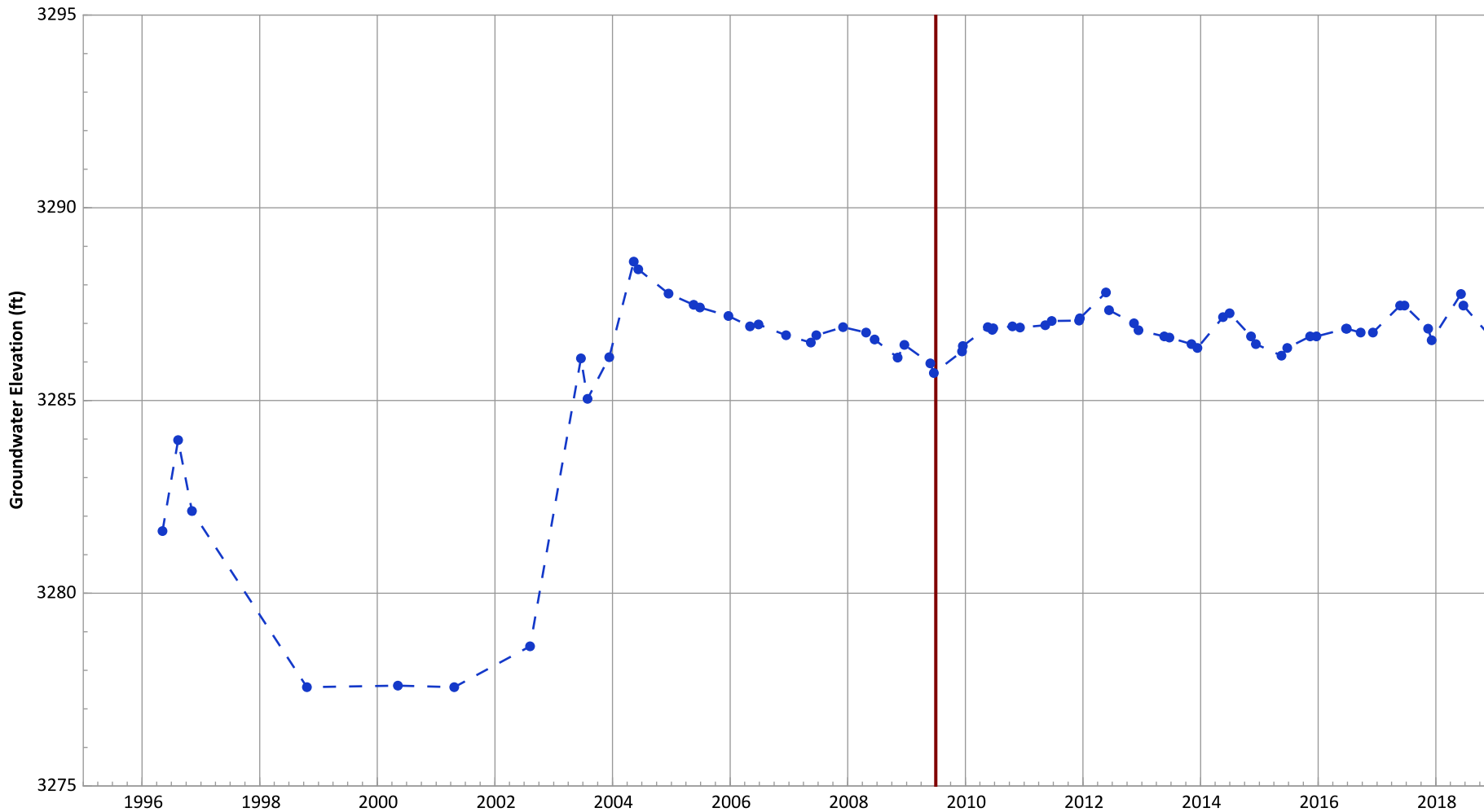
Notes:
 1. Top of screen elevation is 3312.81 ft msl.
 2. The bottom of screen elevation is 3282.81 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.18 ft/yr
 Data (7/2009 - 12/2018): No Trend

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

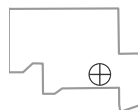


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

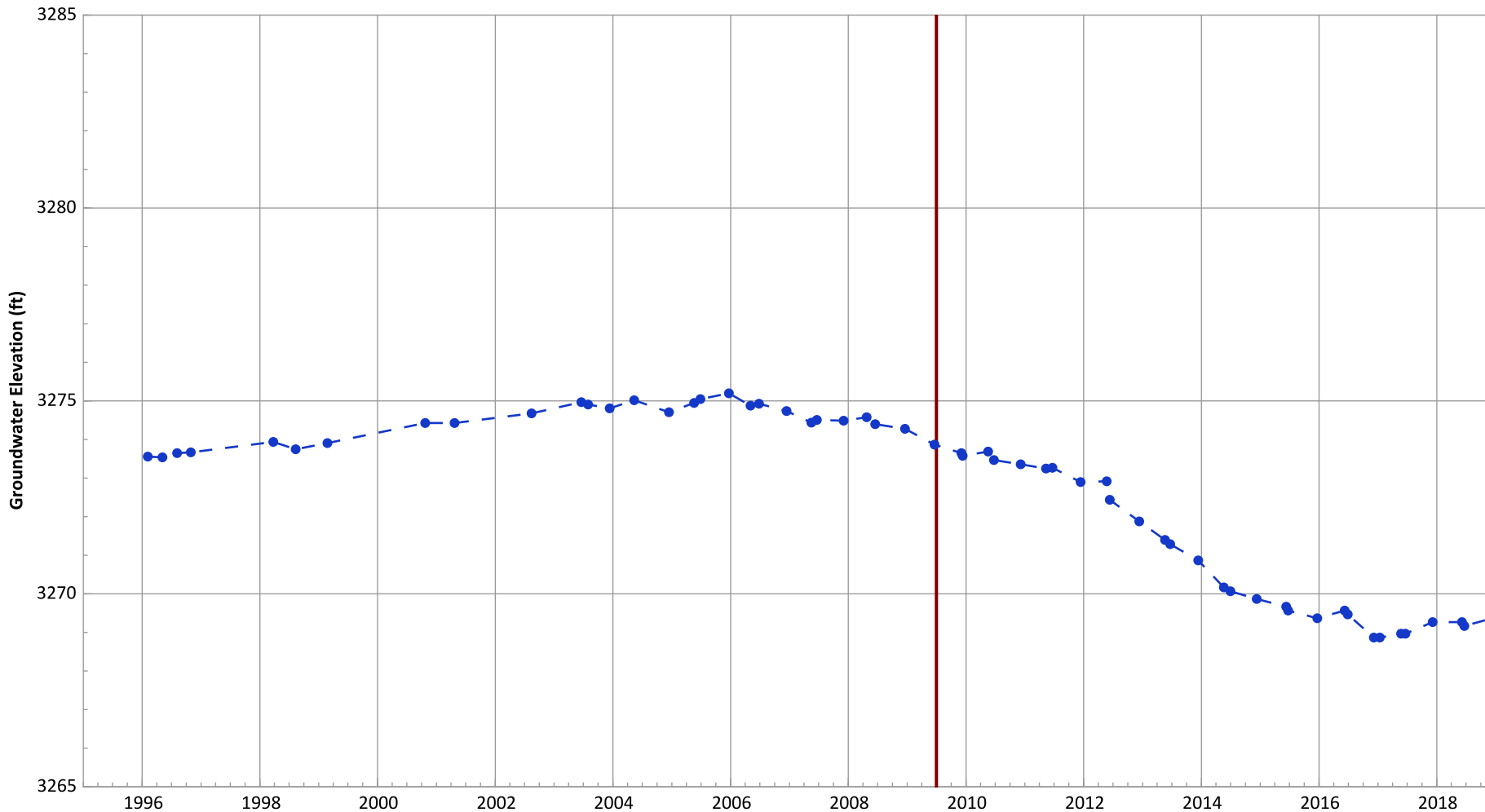
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.25 ft/yr
 Data (7/2009 - 12/2018): No Trend

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

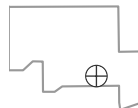


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

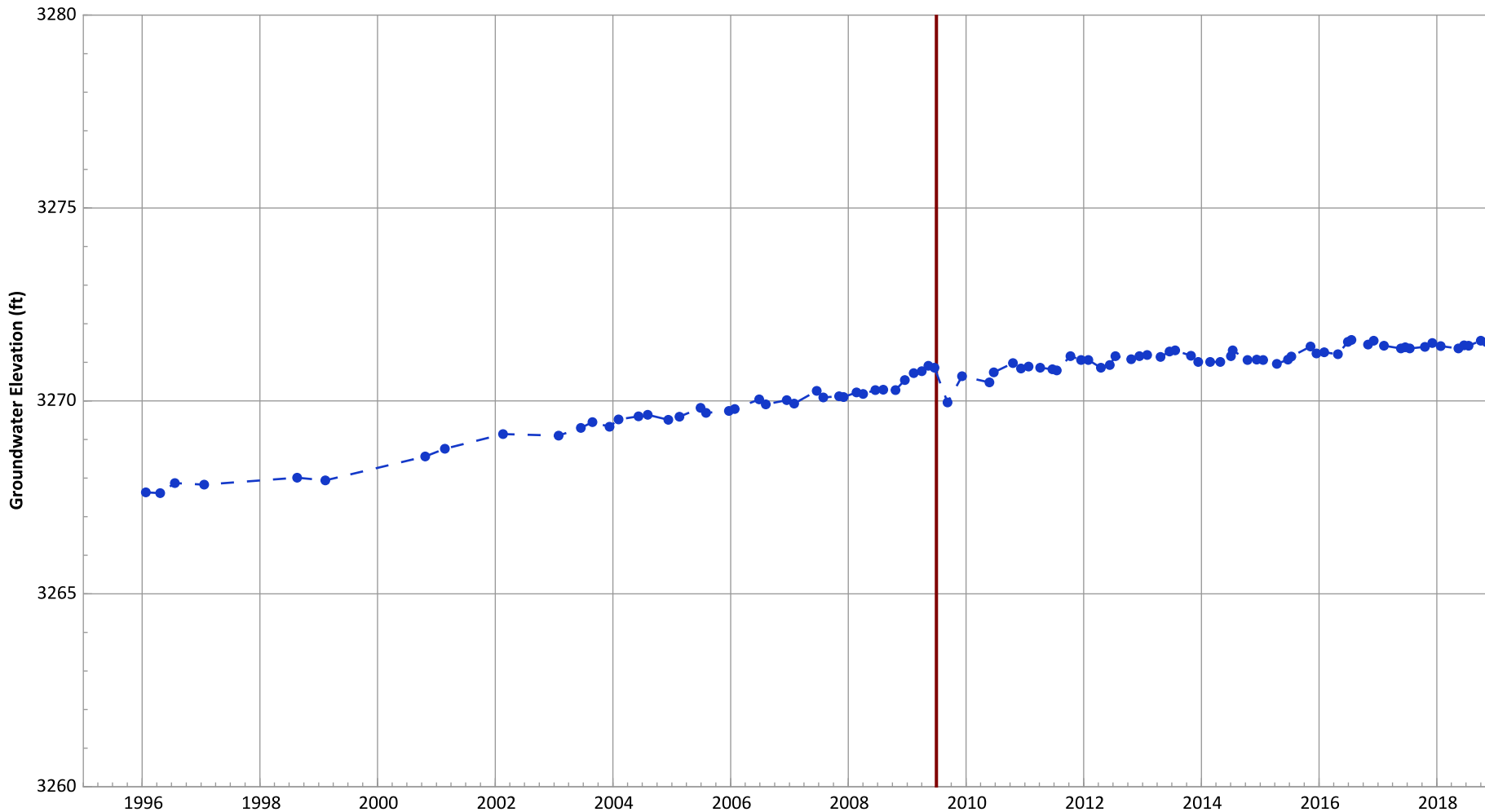
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.25 ft/yr
Data (7/2009 - 12/2018): Decreasing at 0.62 ft/yr

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

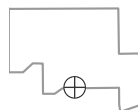


Notes:

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: 02/14/2019

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

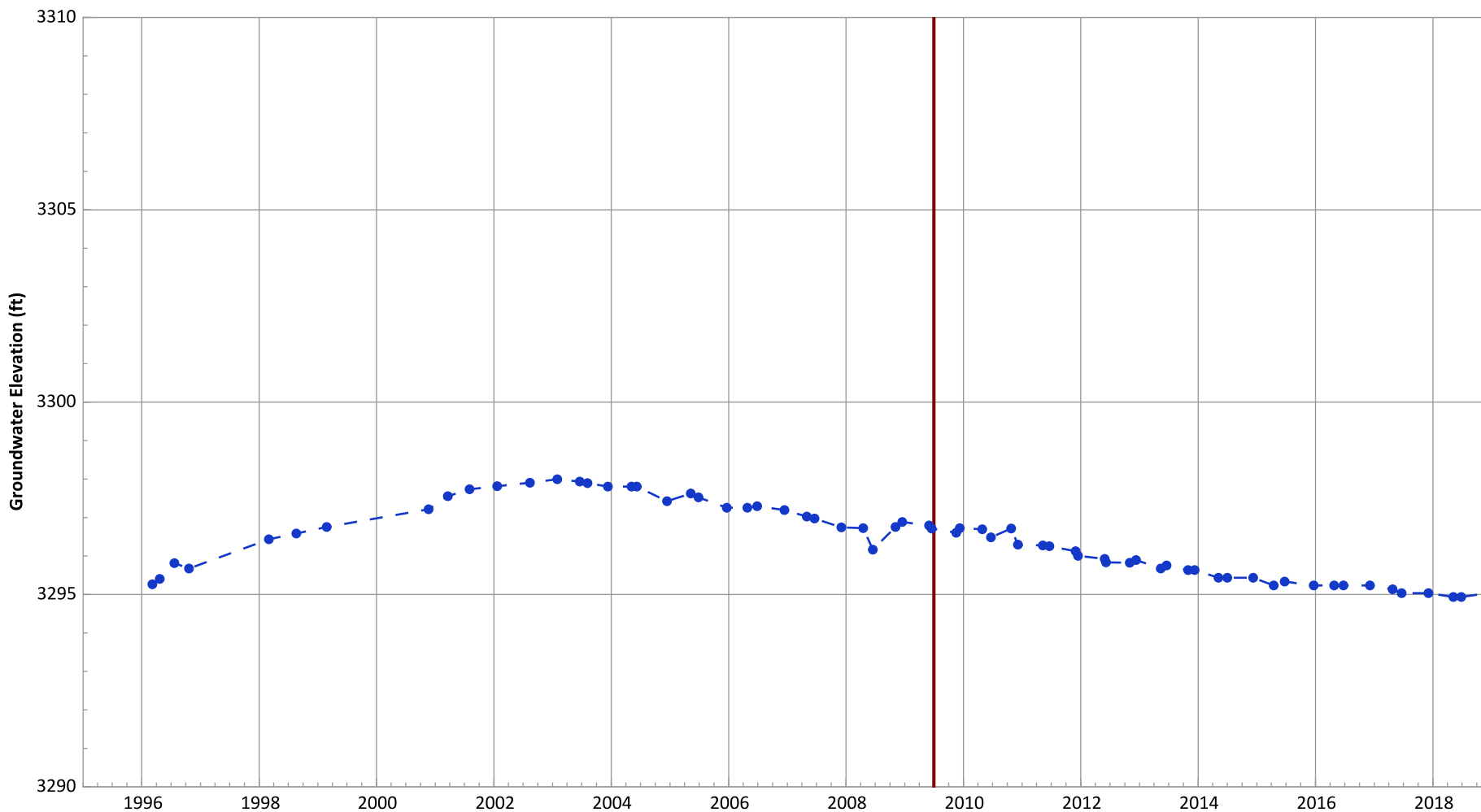
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): No Trend

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

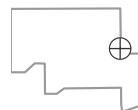


Notes:

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: 02/14/2019

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

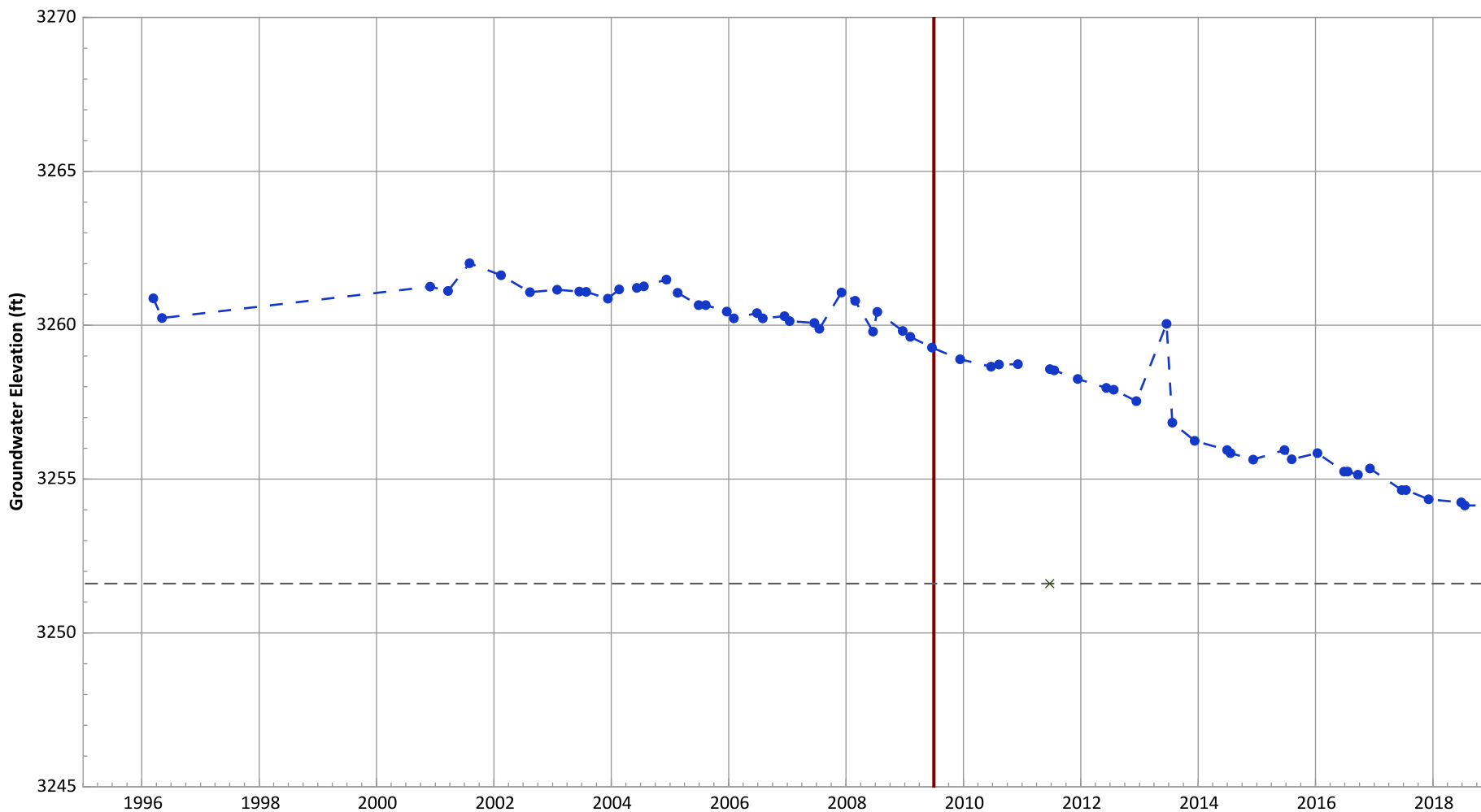
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.2 ft/yr

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

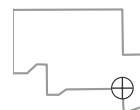


Notes:

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: 02/14/2019

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

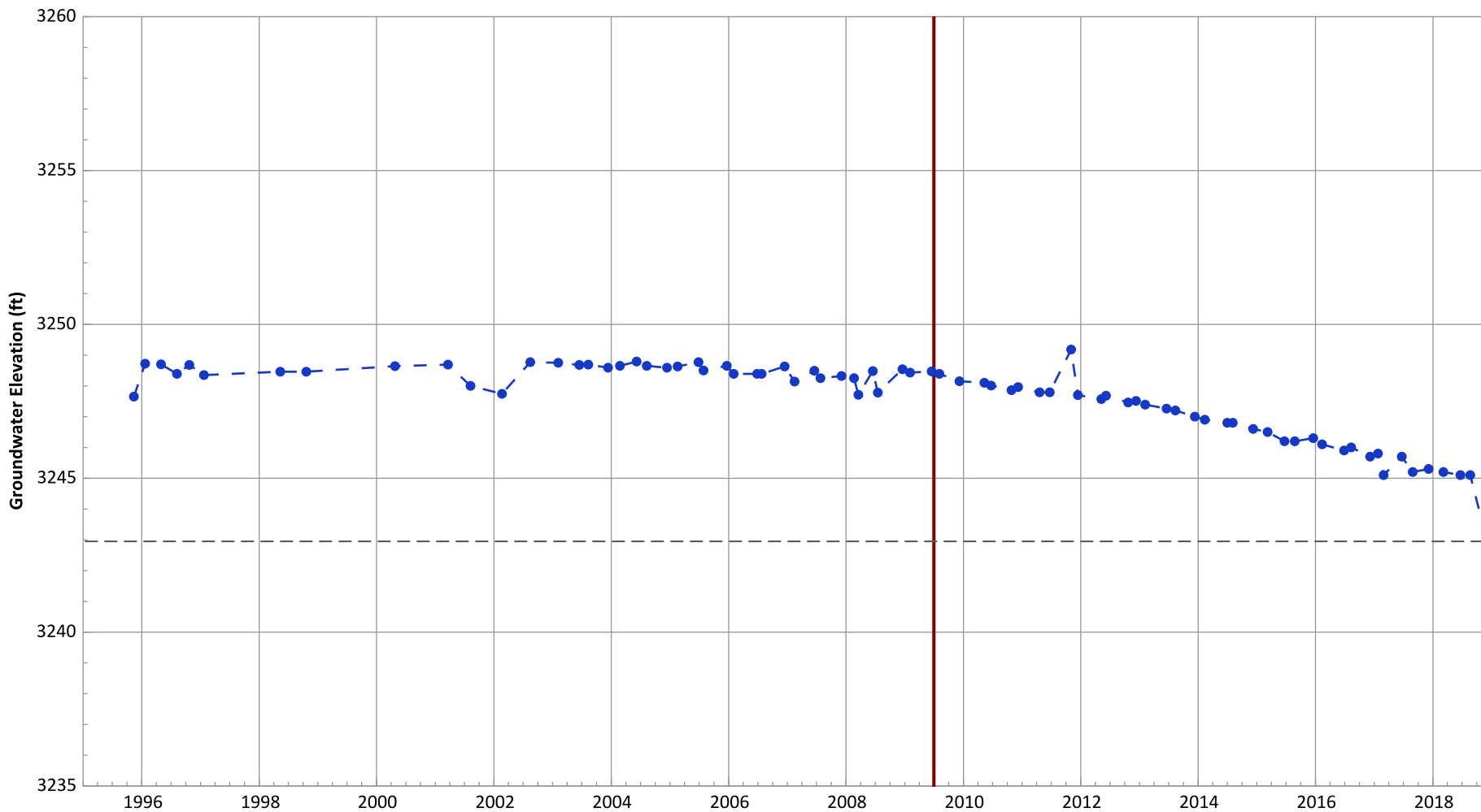
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.37 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.61 ft/yr

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

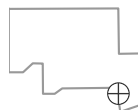


Notes:

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: 02/14/2019

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

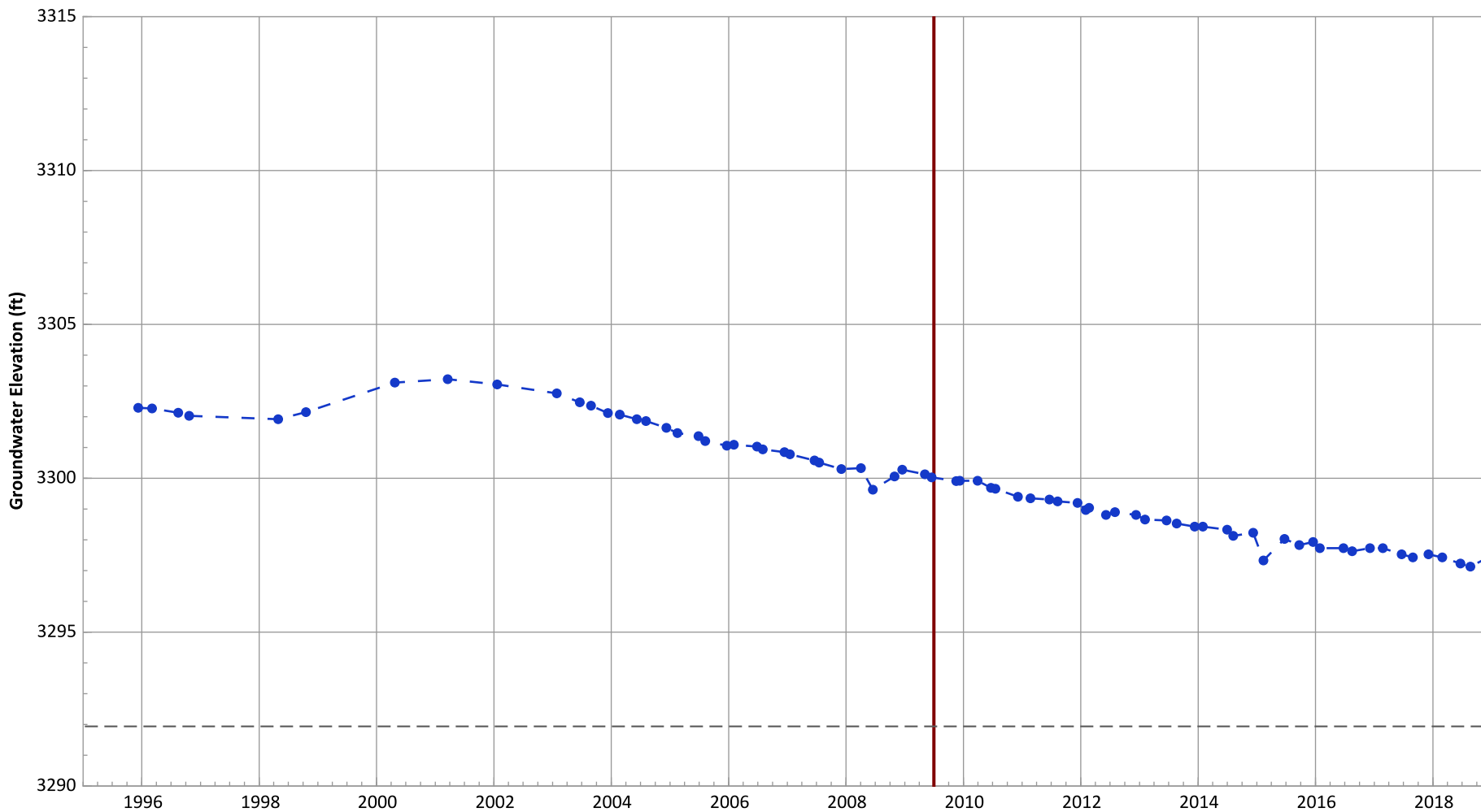
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.91 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.43 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: 02/14/2019

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

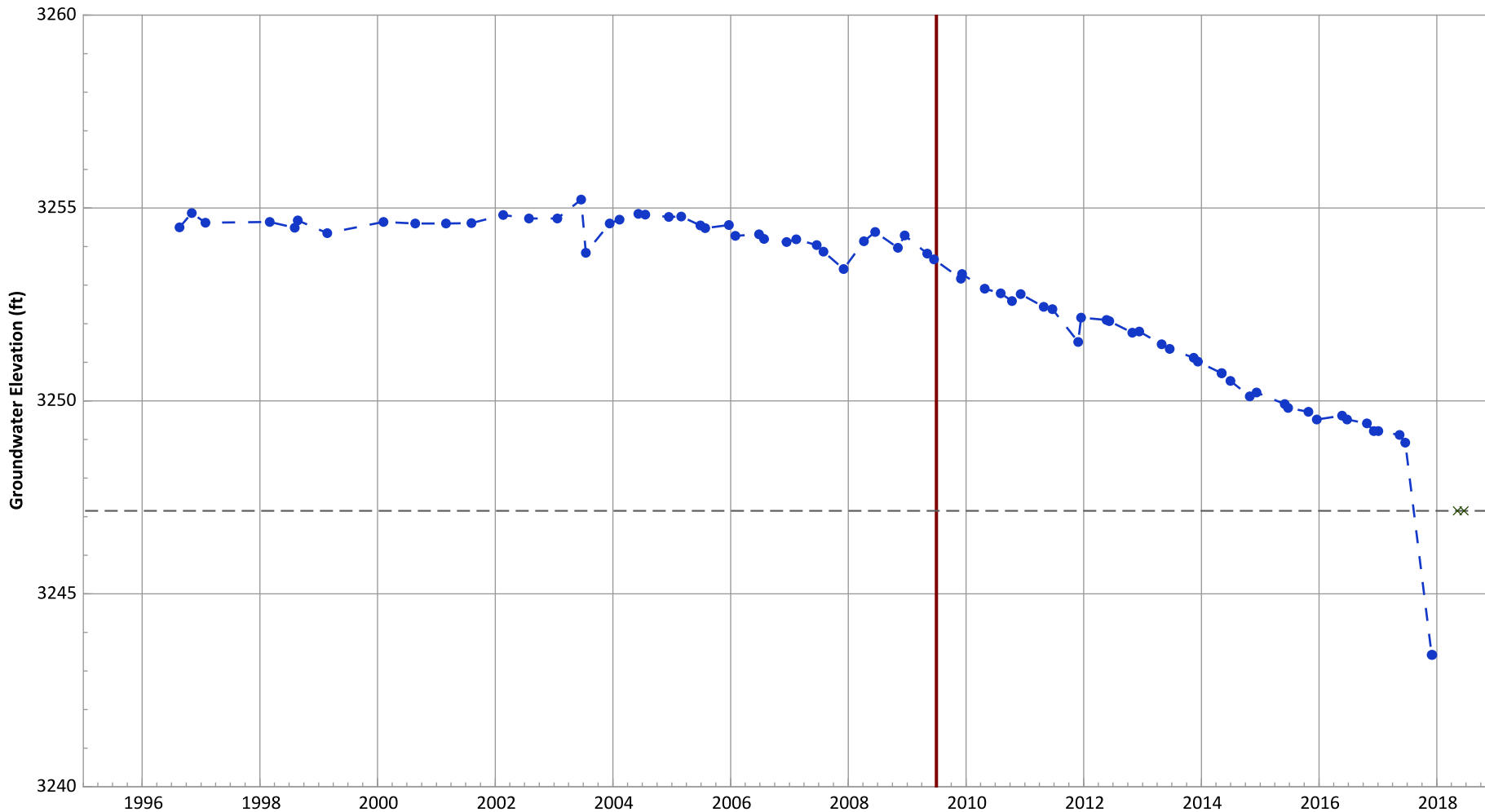
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.23 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.3 ft/yr

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

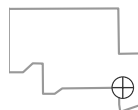


Notes:

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: 02/14/2019

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

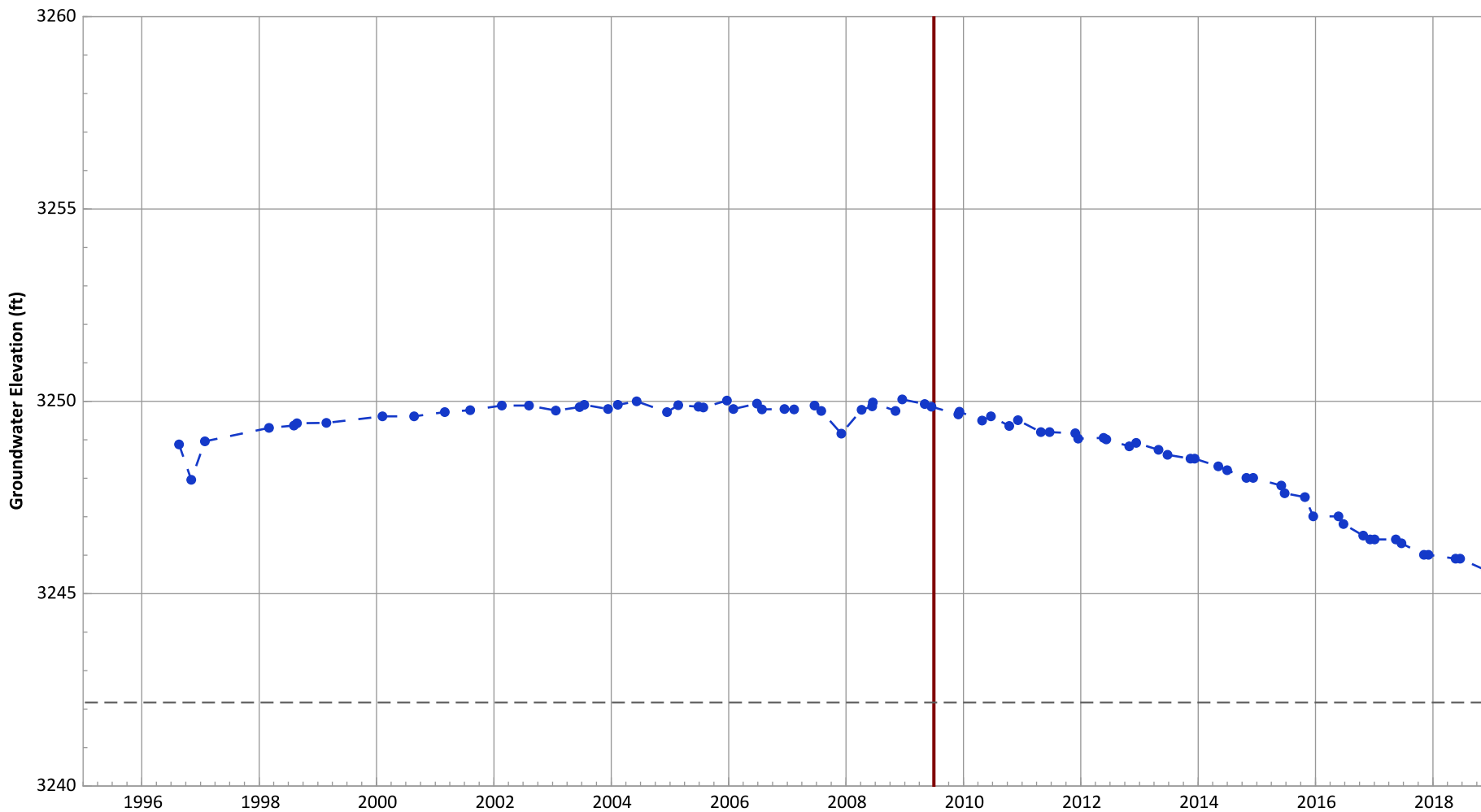
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 7.27 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.77 ft/yr

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

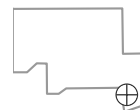


Notes:

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: 02/14/2019

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

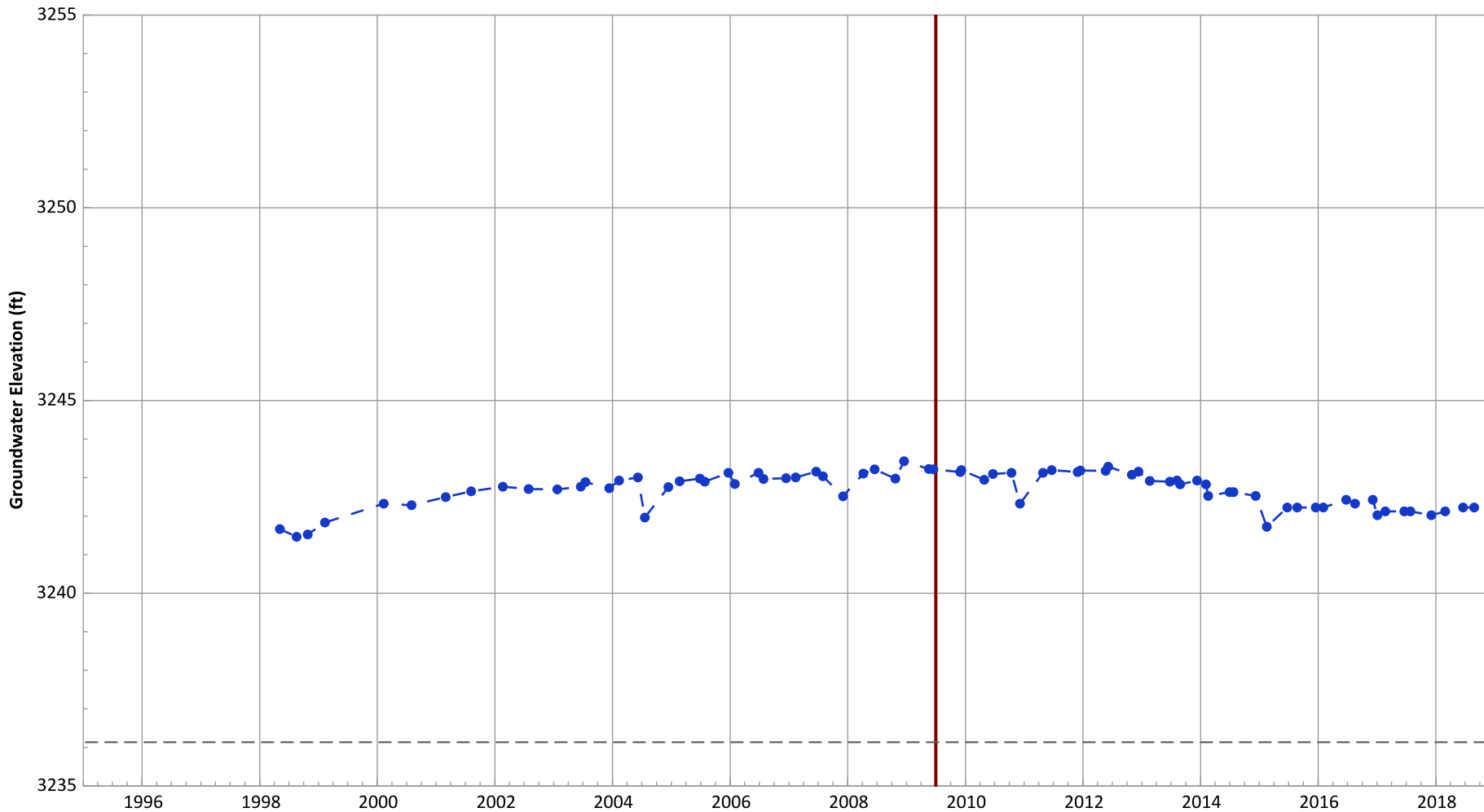
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.41 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.48 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: 02/14/2019

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

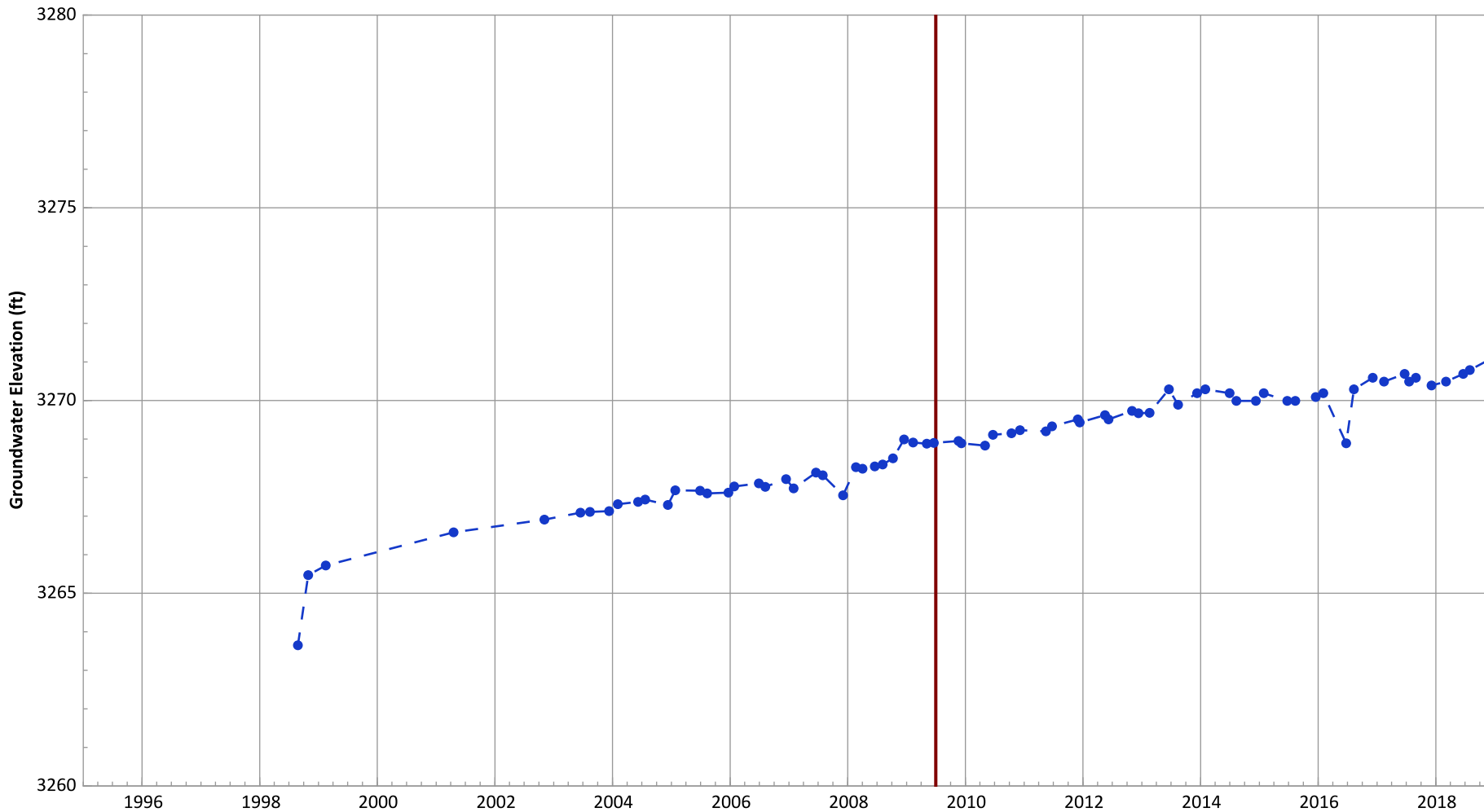
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.14 ft/yr

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

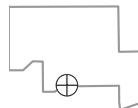


Notes:

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: 02/14/2019

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

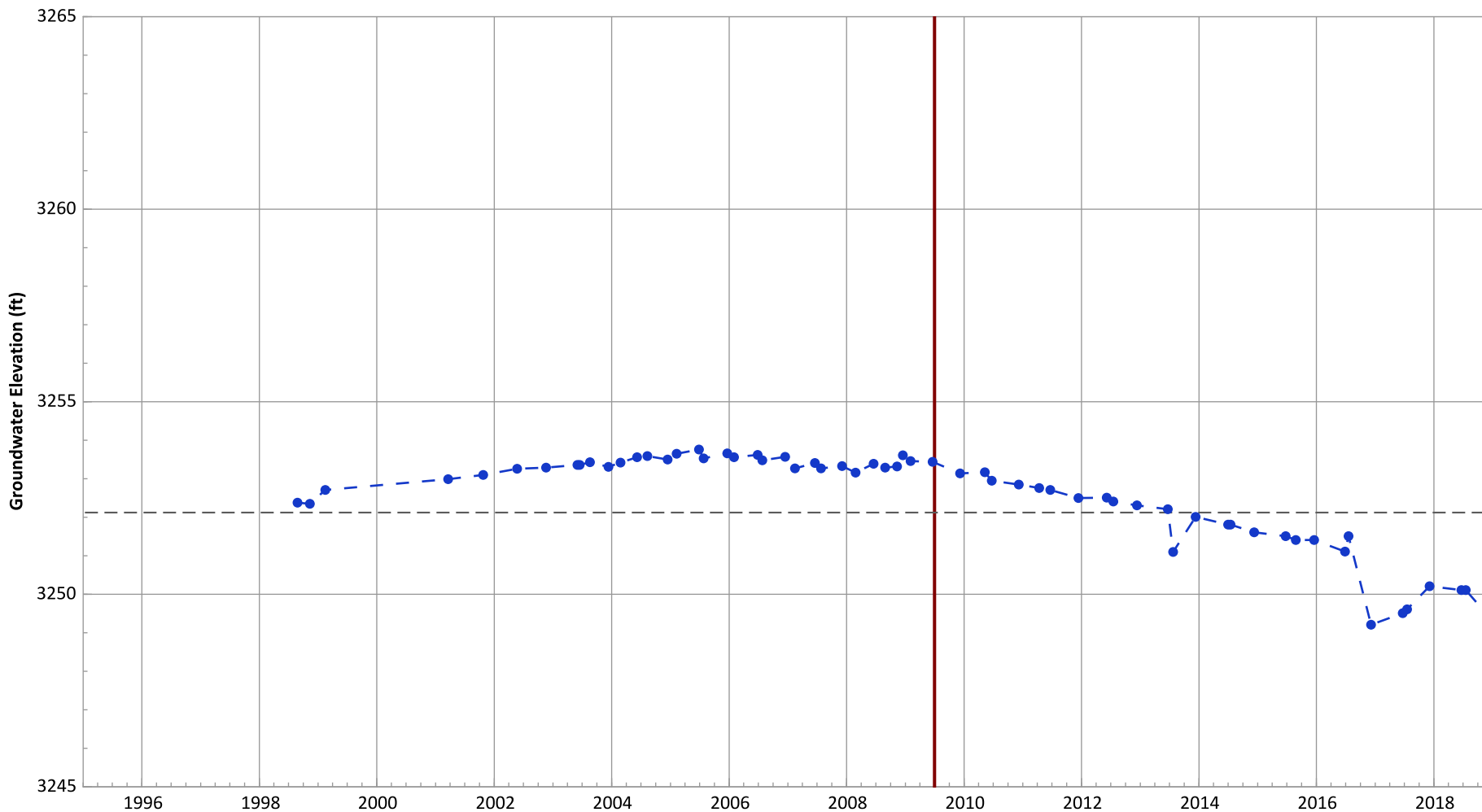
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.25 ft/yr
Data (7/2009 - 12/2018): Increasing at 0.19 ft/yr

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

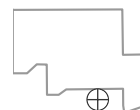


Notes:

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: 02/14/2019

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

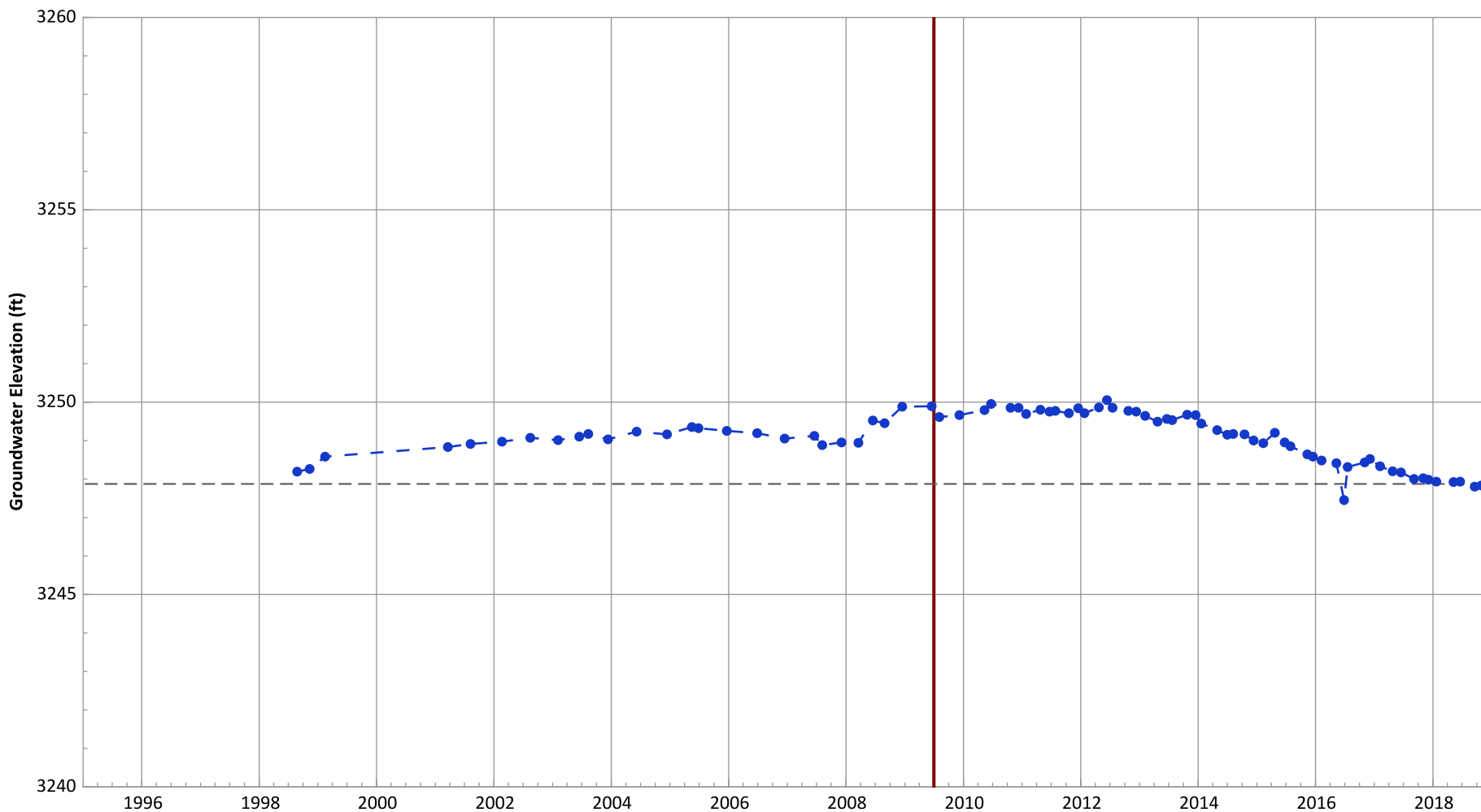
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.41 ft/yr

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

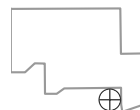


Notes:

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: 02/14/2019

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

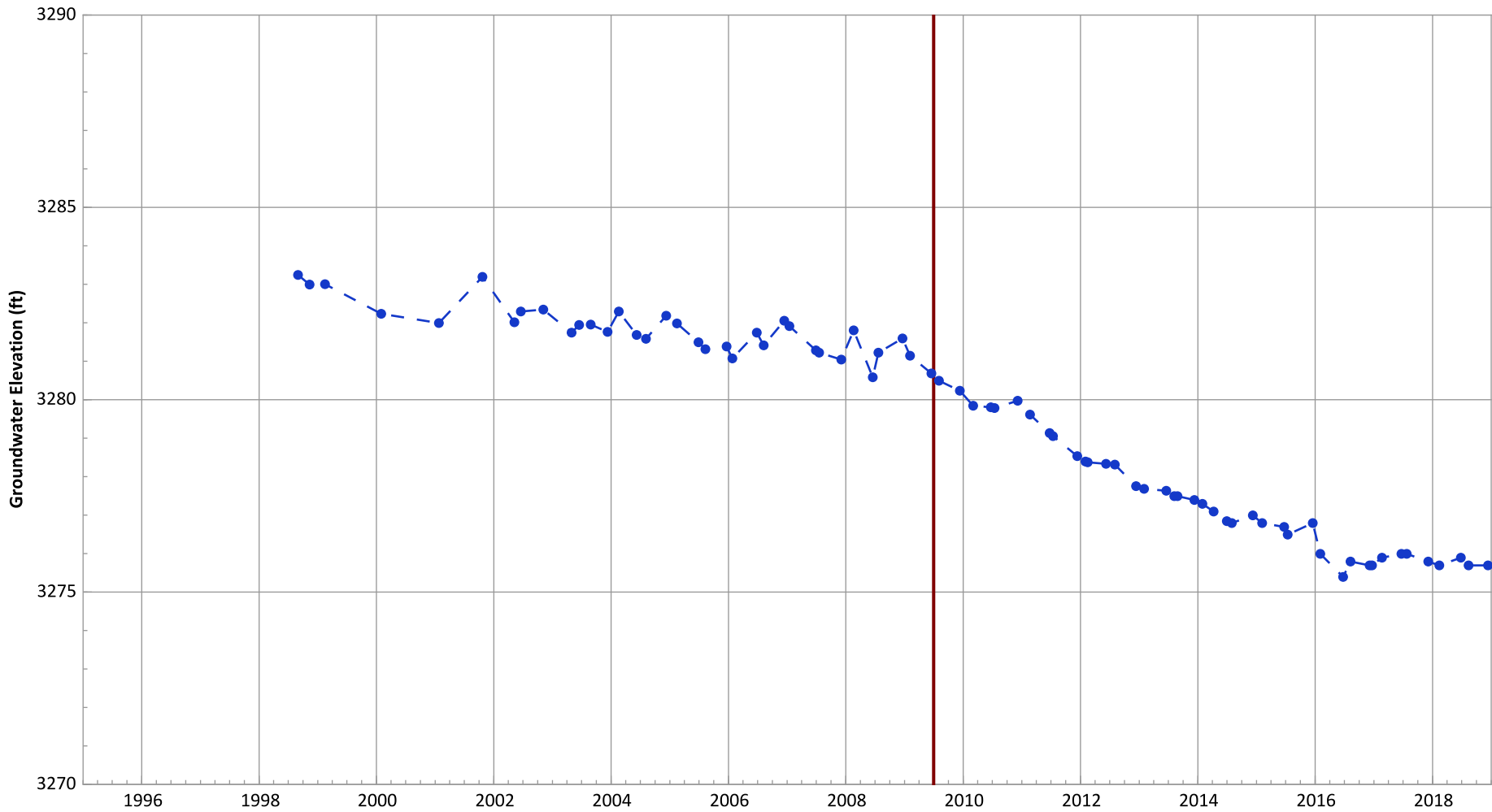
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.26 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.27 ft/yr

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

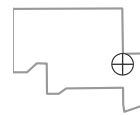


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

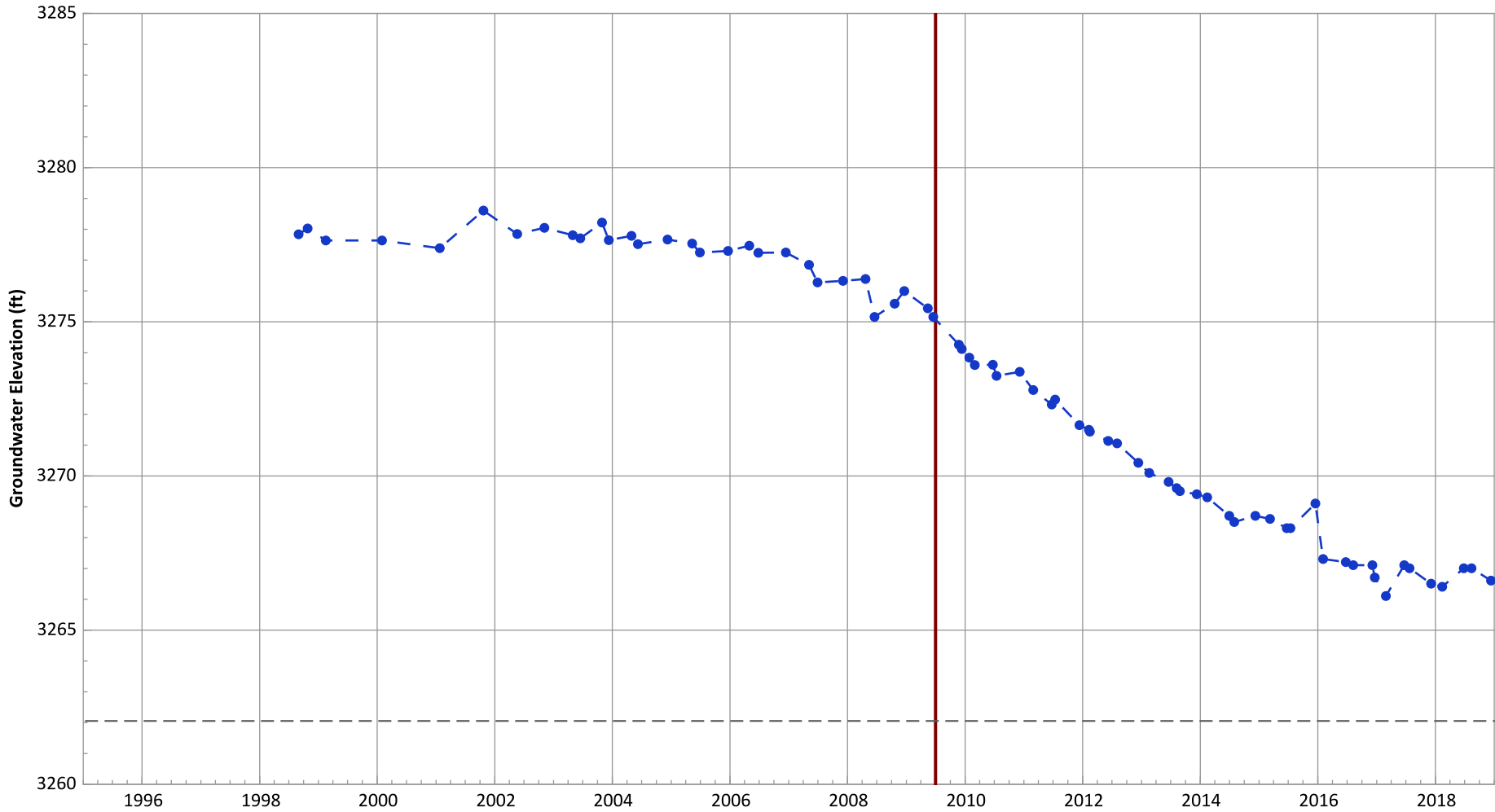
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.15 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.54 ft/yr

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

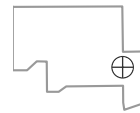


Notes:

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: 02/14/2019

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

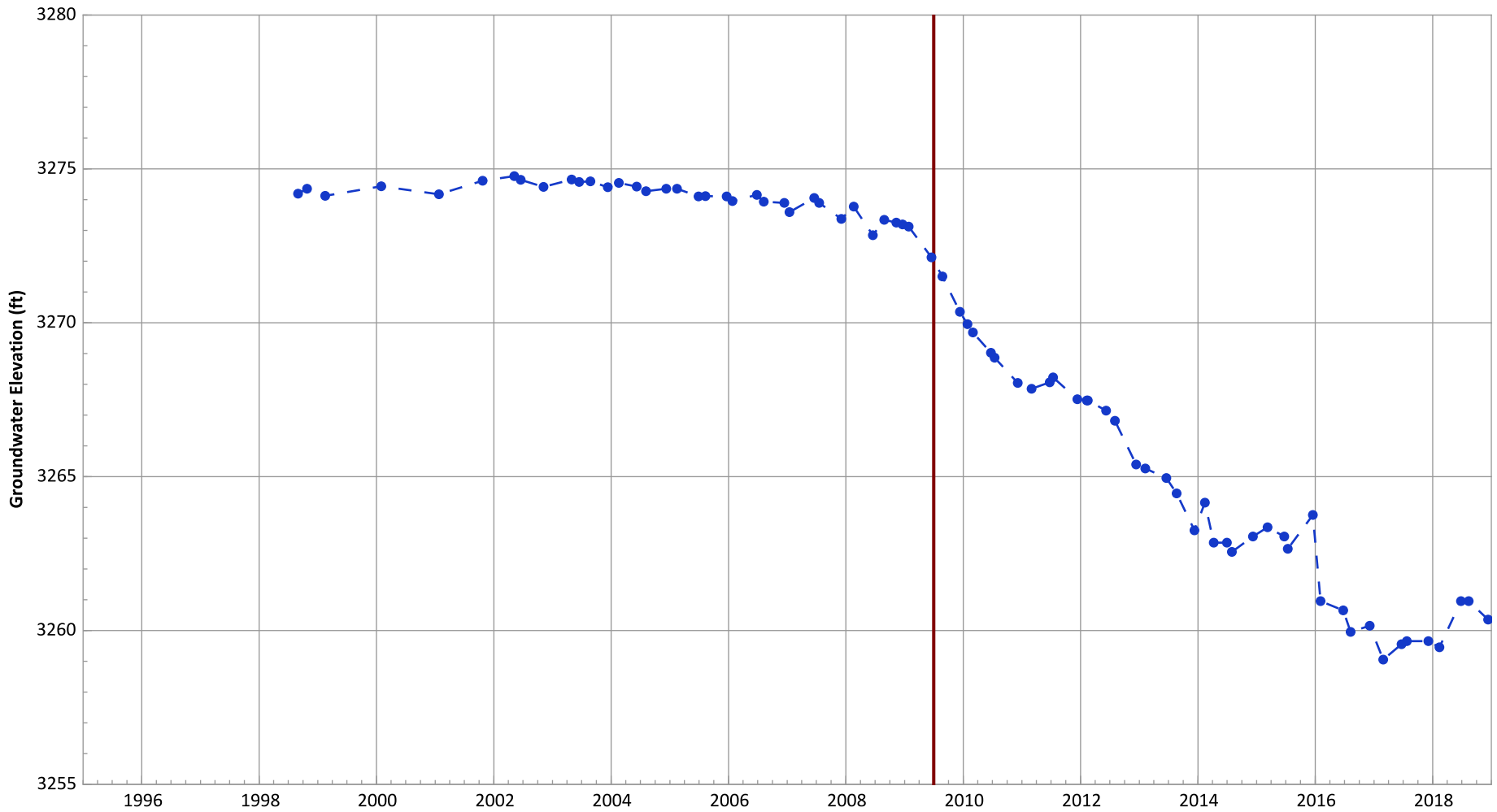
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.14 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.9 ft/yr

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

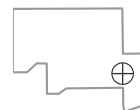


Notes:

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: 02/14/2019

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

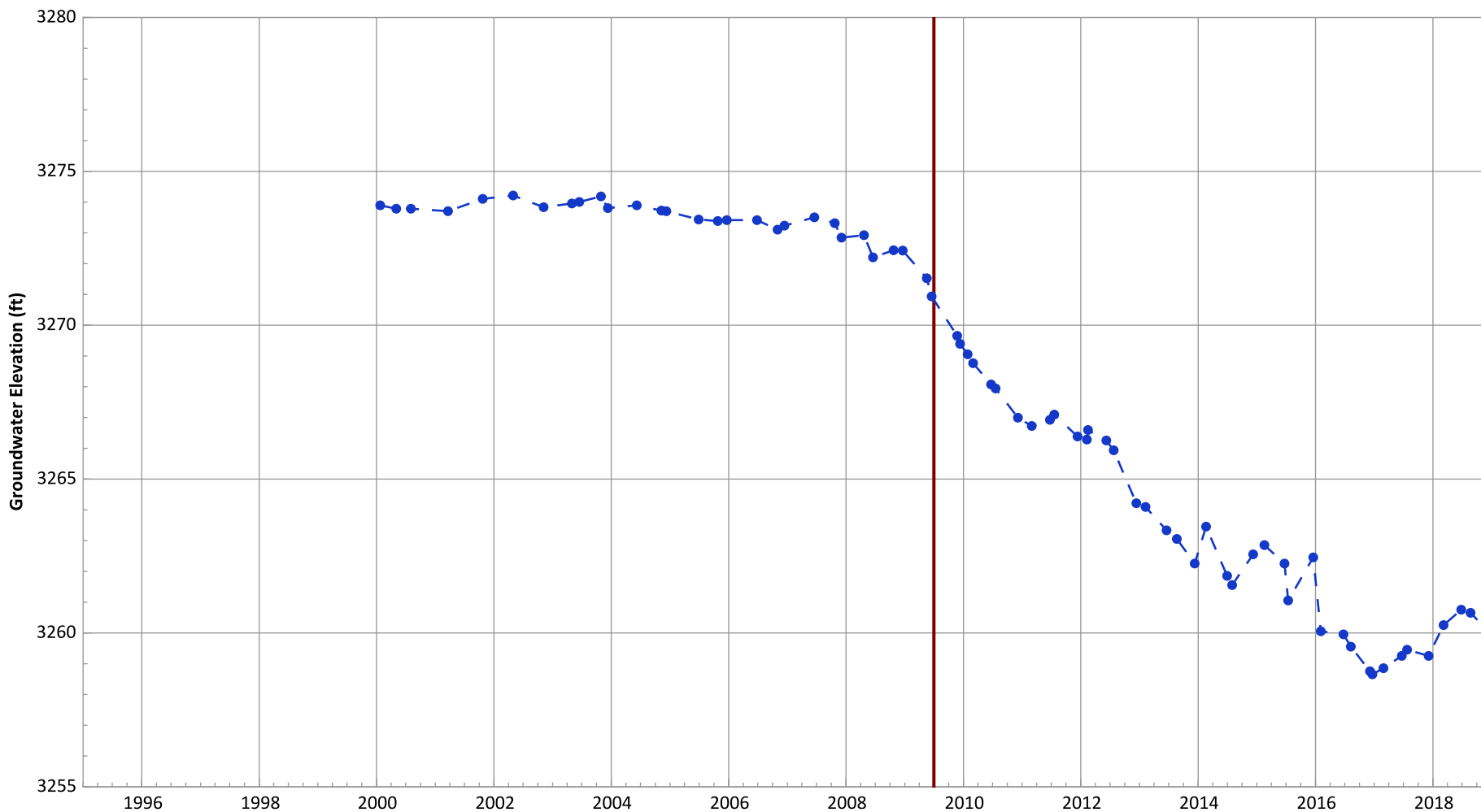
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.94 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.26 ft/yr

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

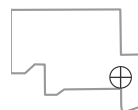


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

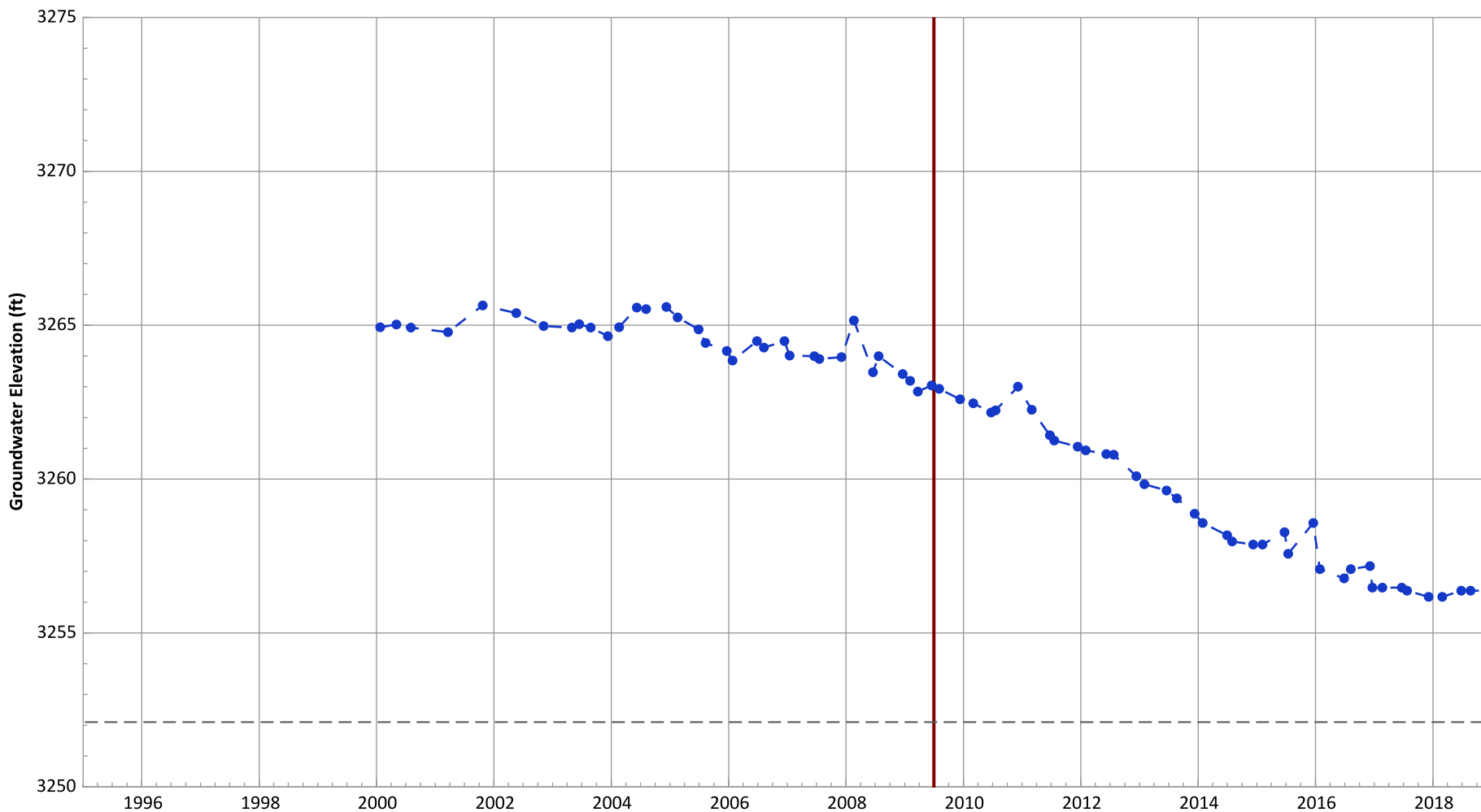
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.95 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.17 ft/yr

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

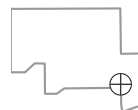


Notes:

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: 02/14/2019

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

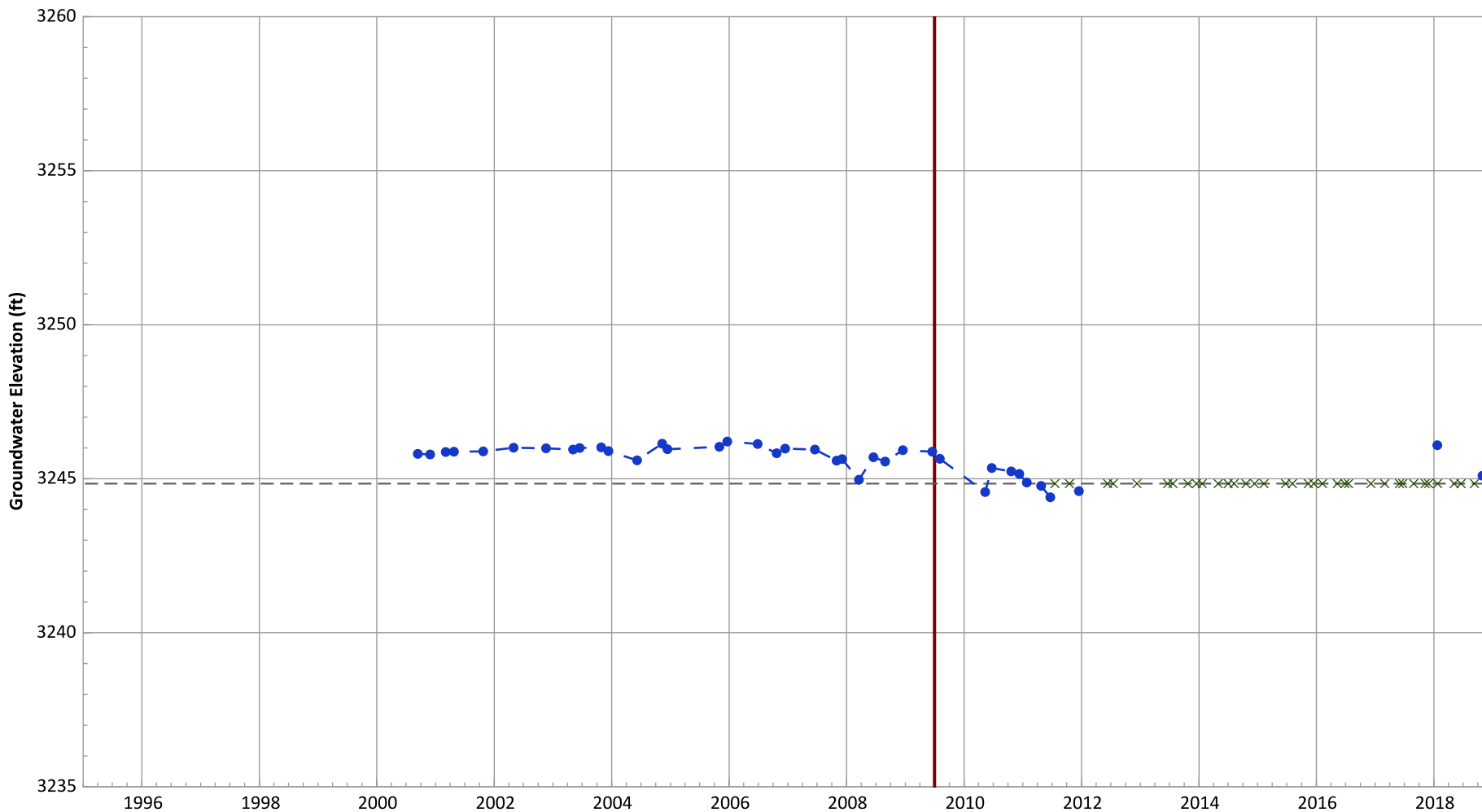
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.81 ft/yr

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

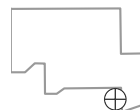


Notes:

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: 02/14/2019

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

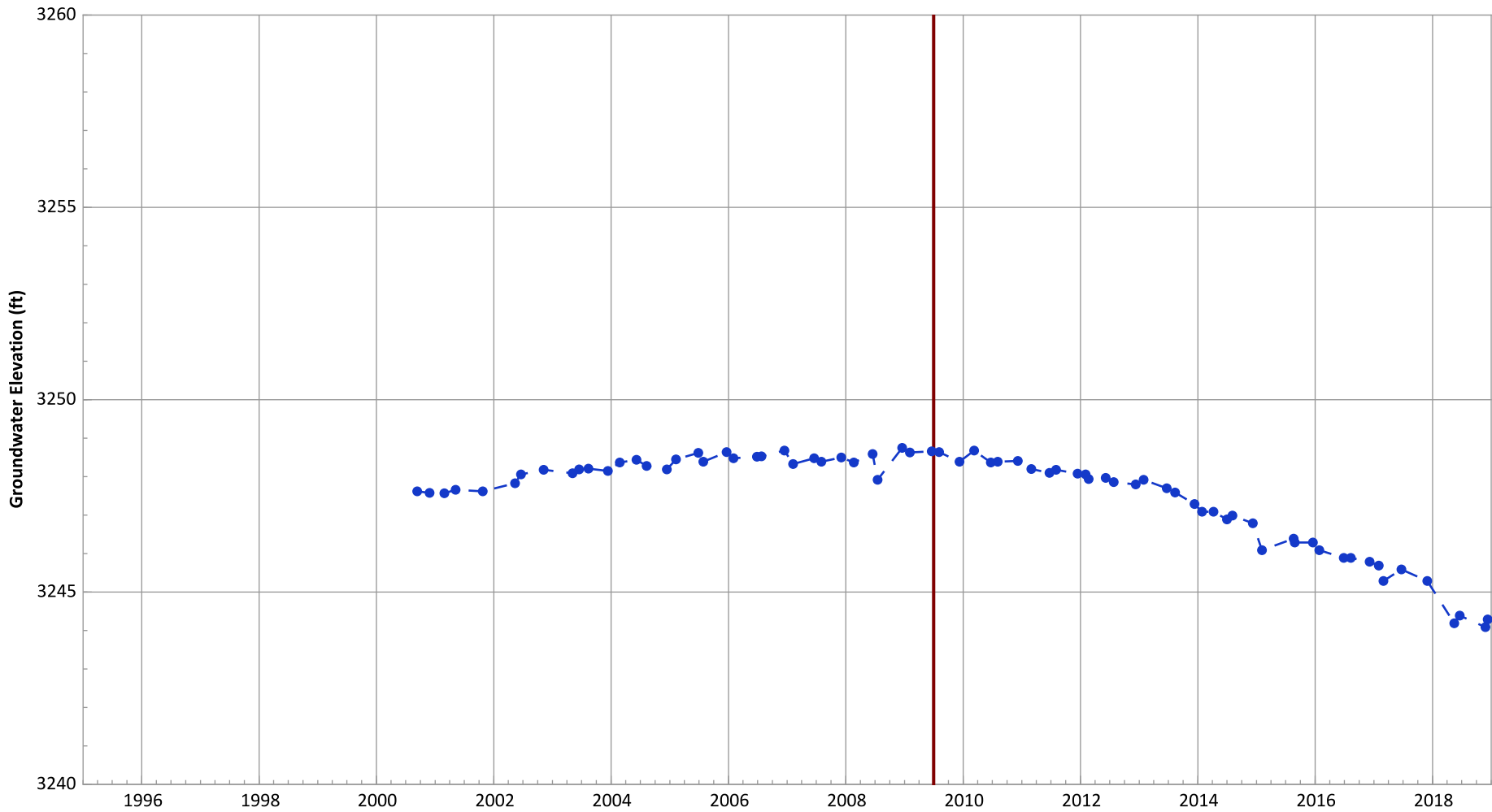
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.68 ft/yr
 Data (7/2009 - 12/2018): No Trend

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

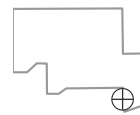


Notes:

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: 02/14/2019

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

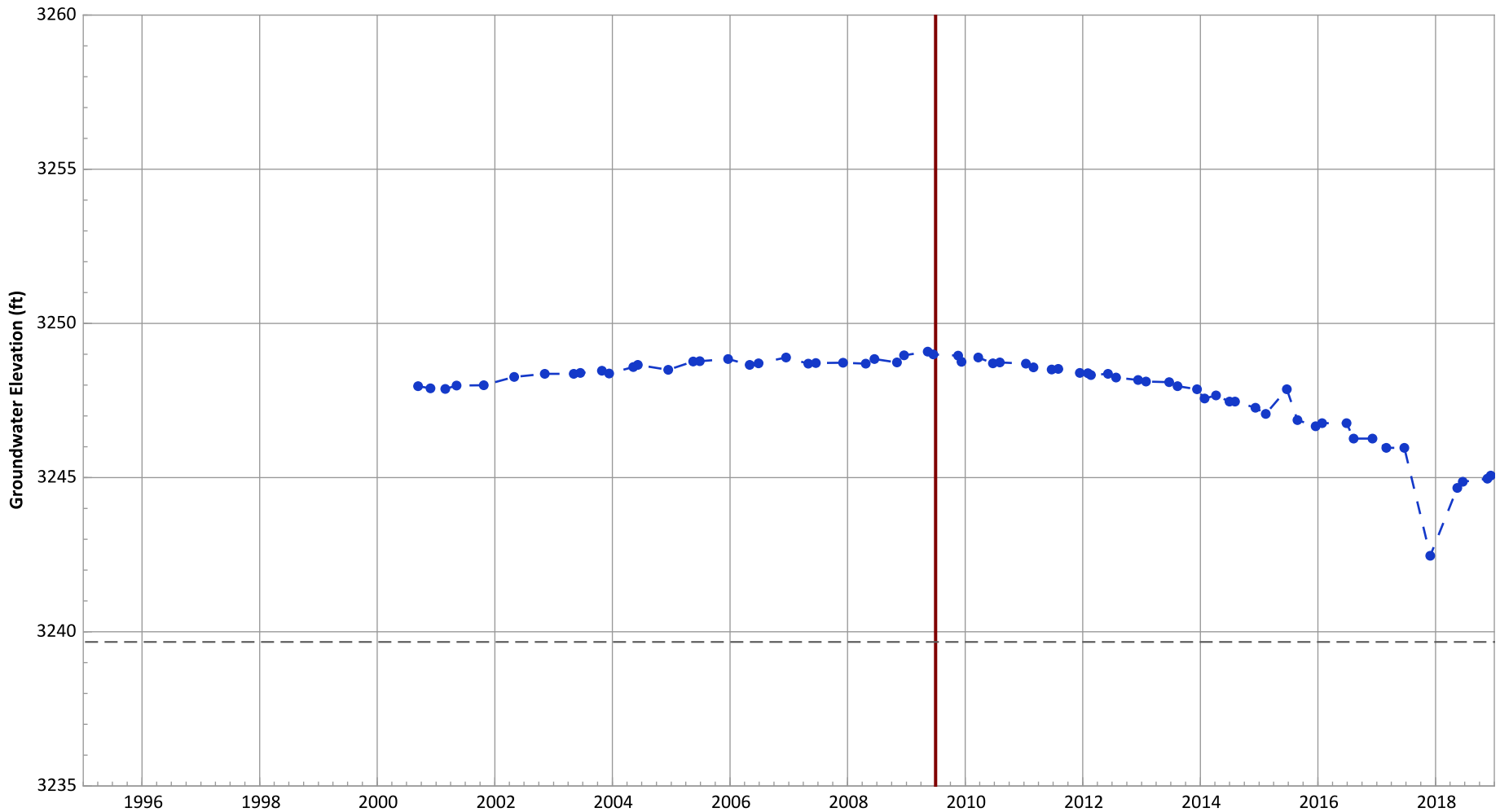
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.84 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.48 ft/yr

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

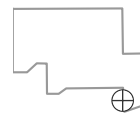


Notes:

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: 02/14/2019

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

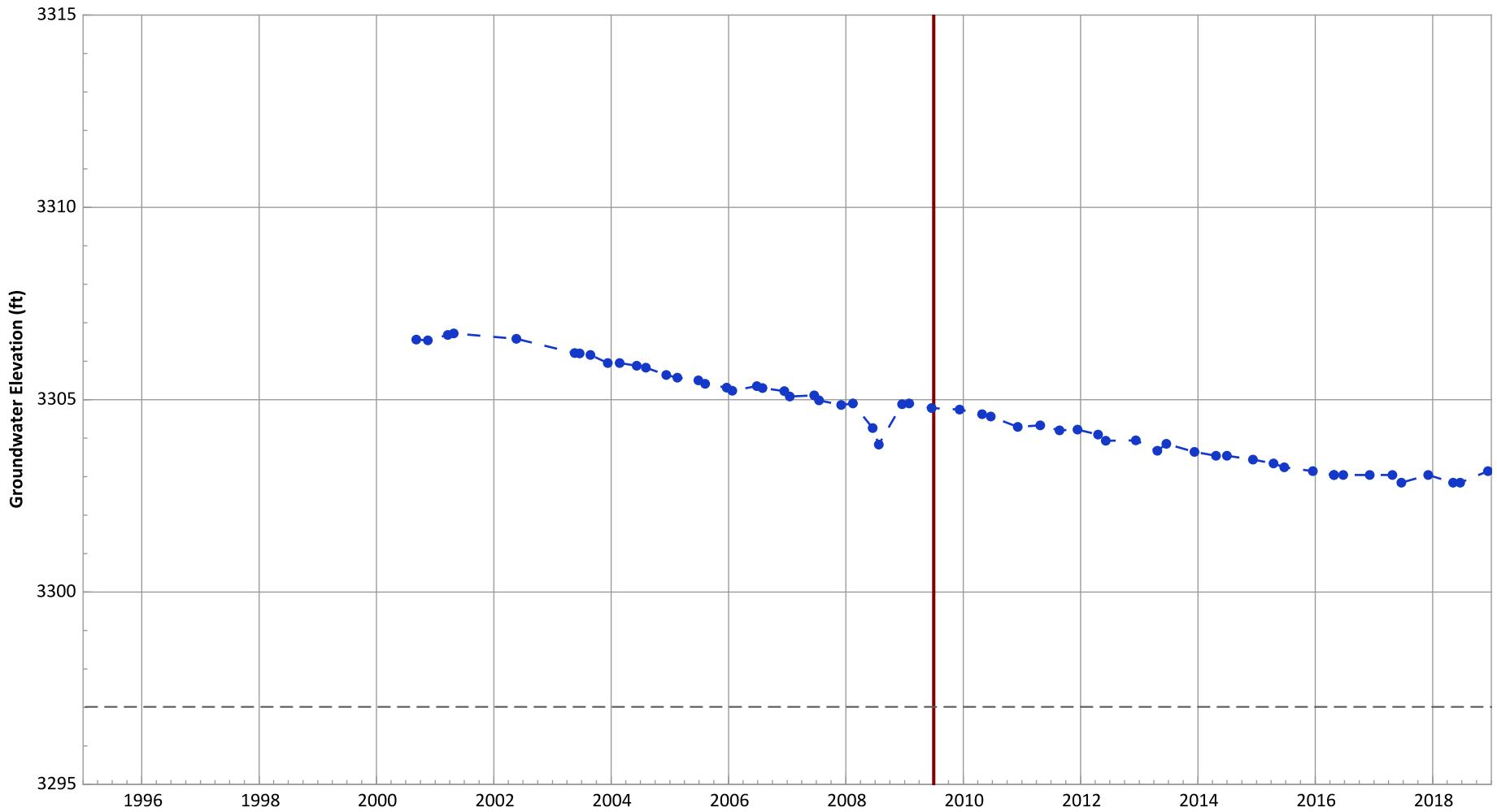
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.38 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.49 ft/yr

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

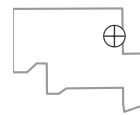


Notes:

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: 02/14/2019

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

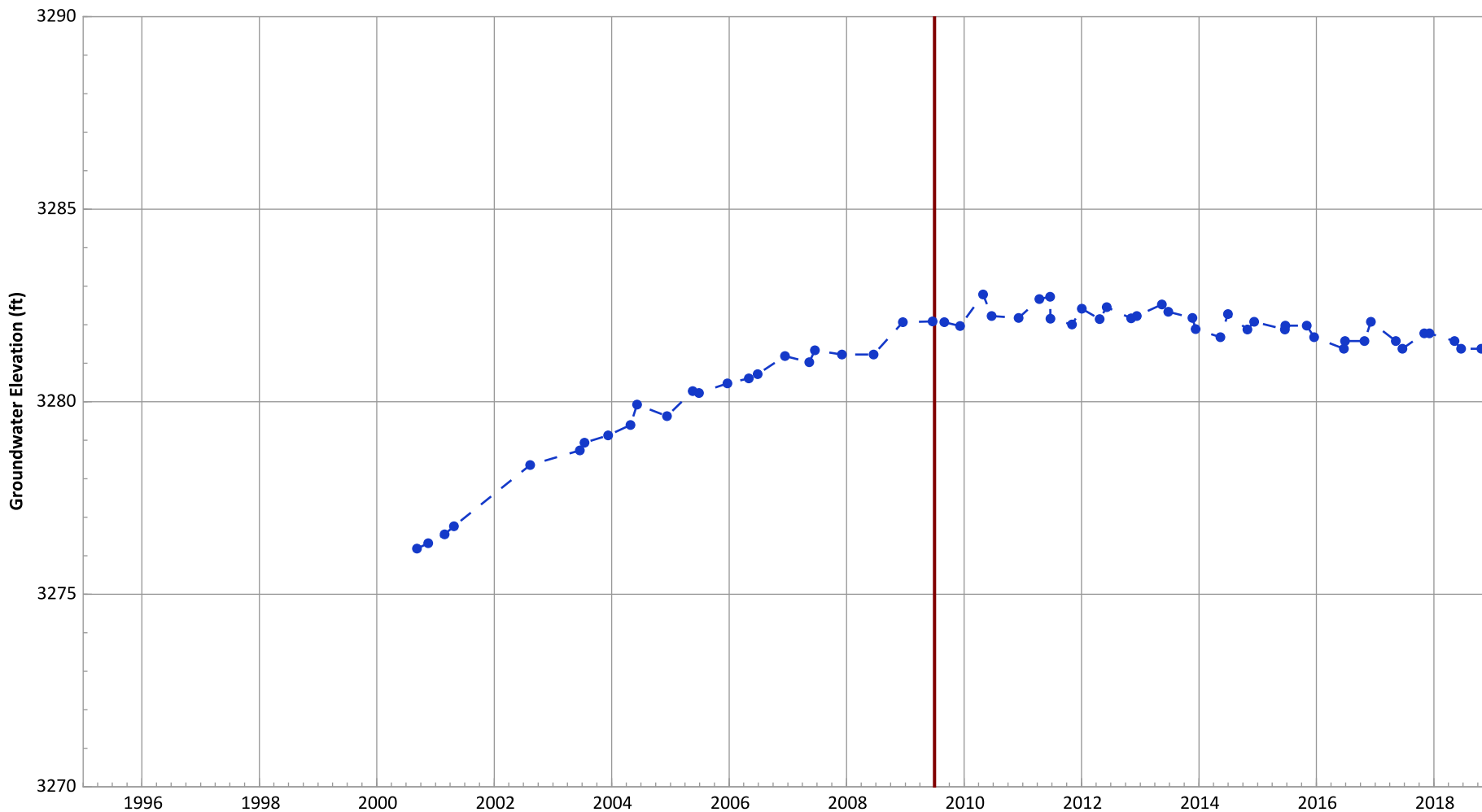
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): Decreasing at 0.21 ft/yr

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

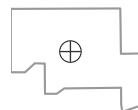


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

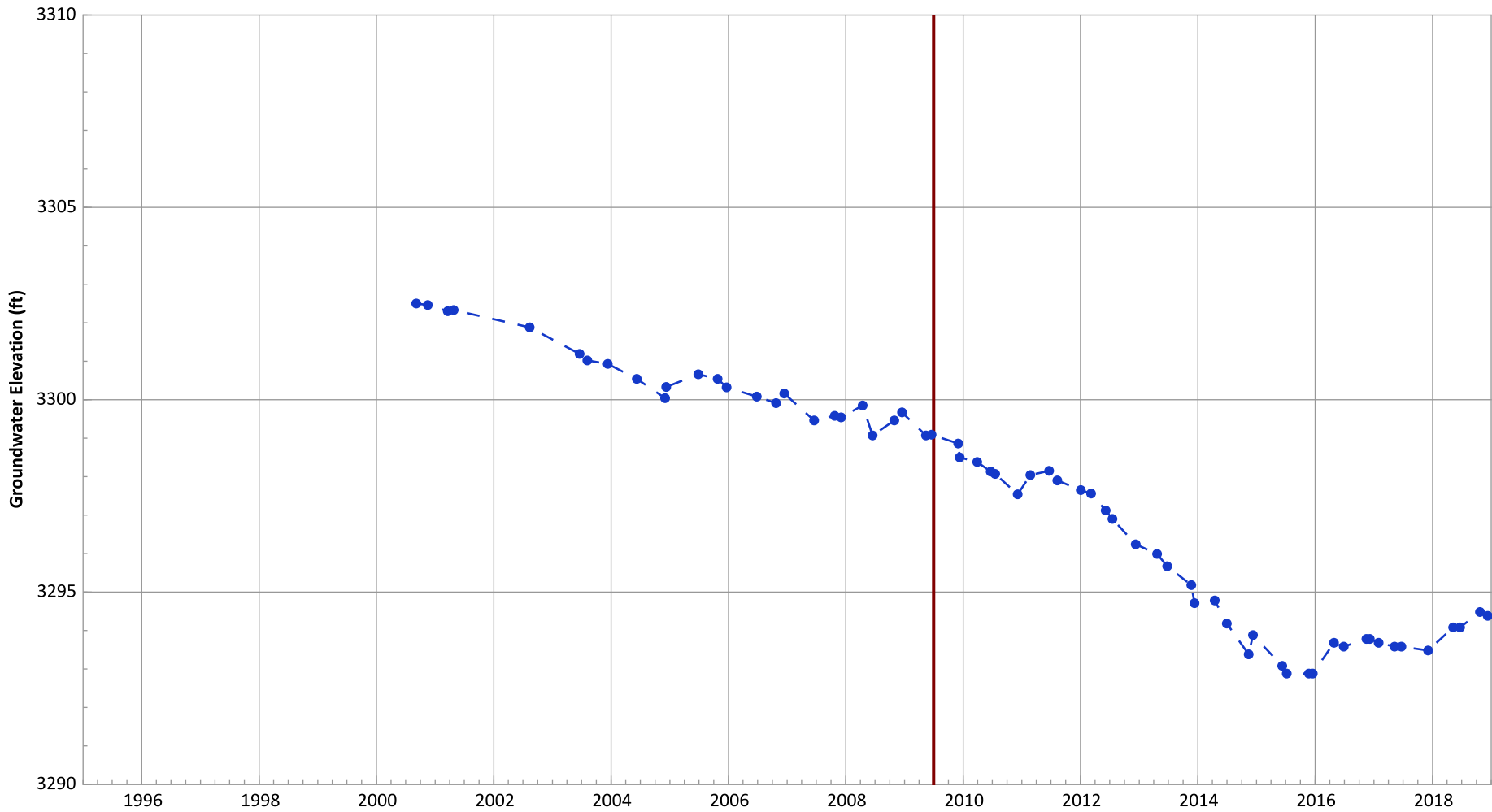
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.2 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.11 ft/yr

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

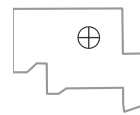


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.49 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.64 ft/yr

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

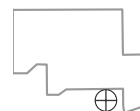


Notes:

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: 02/14/2019

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

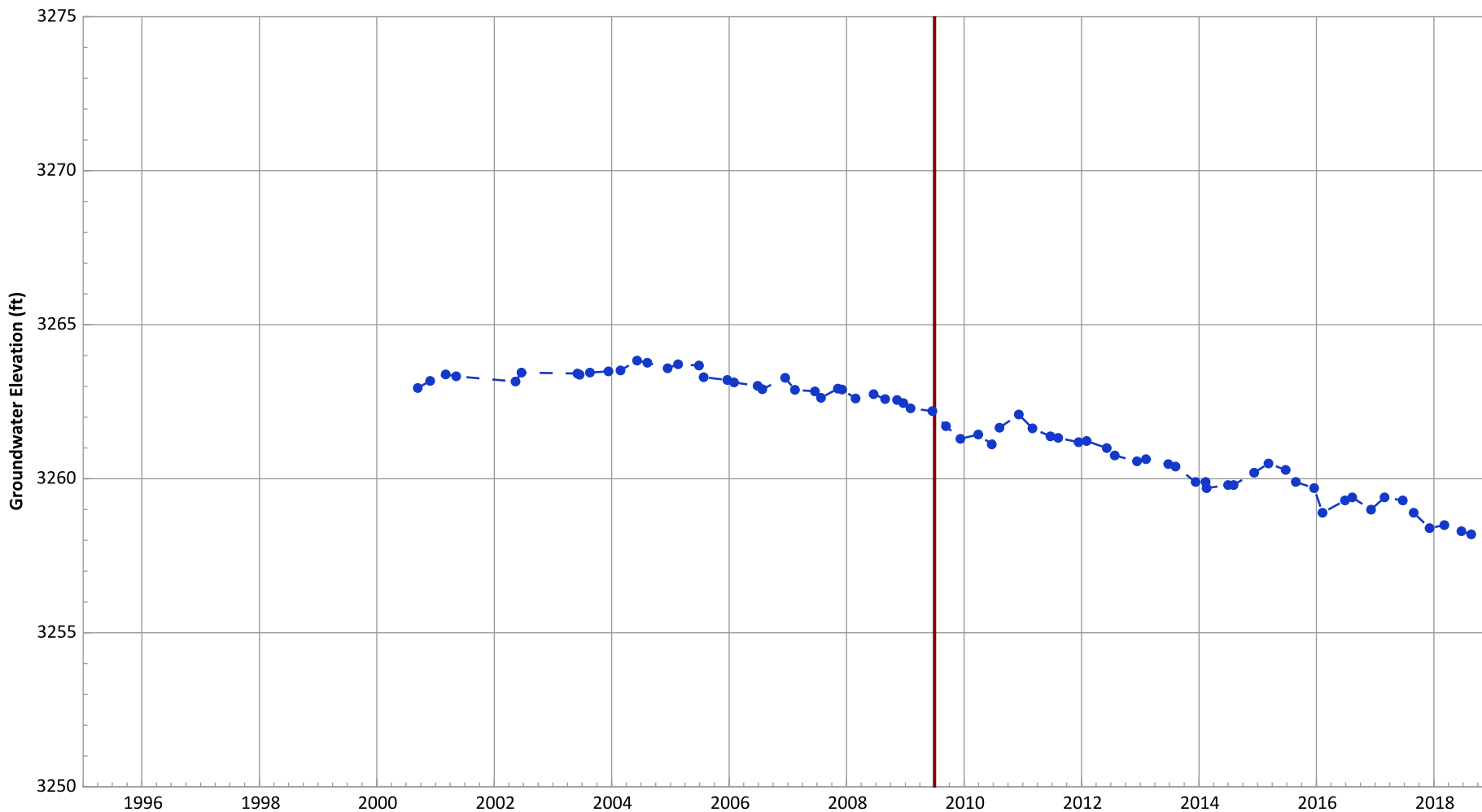
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.14 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.63 ft/yr

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

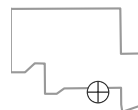


Notes:

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: 02/14/2019

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

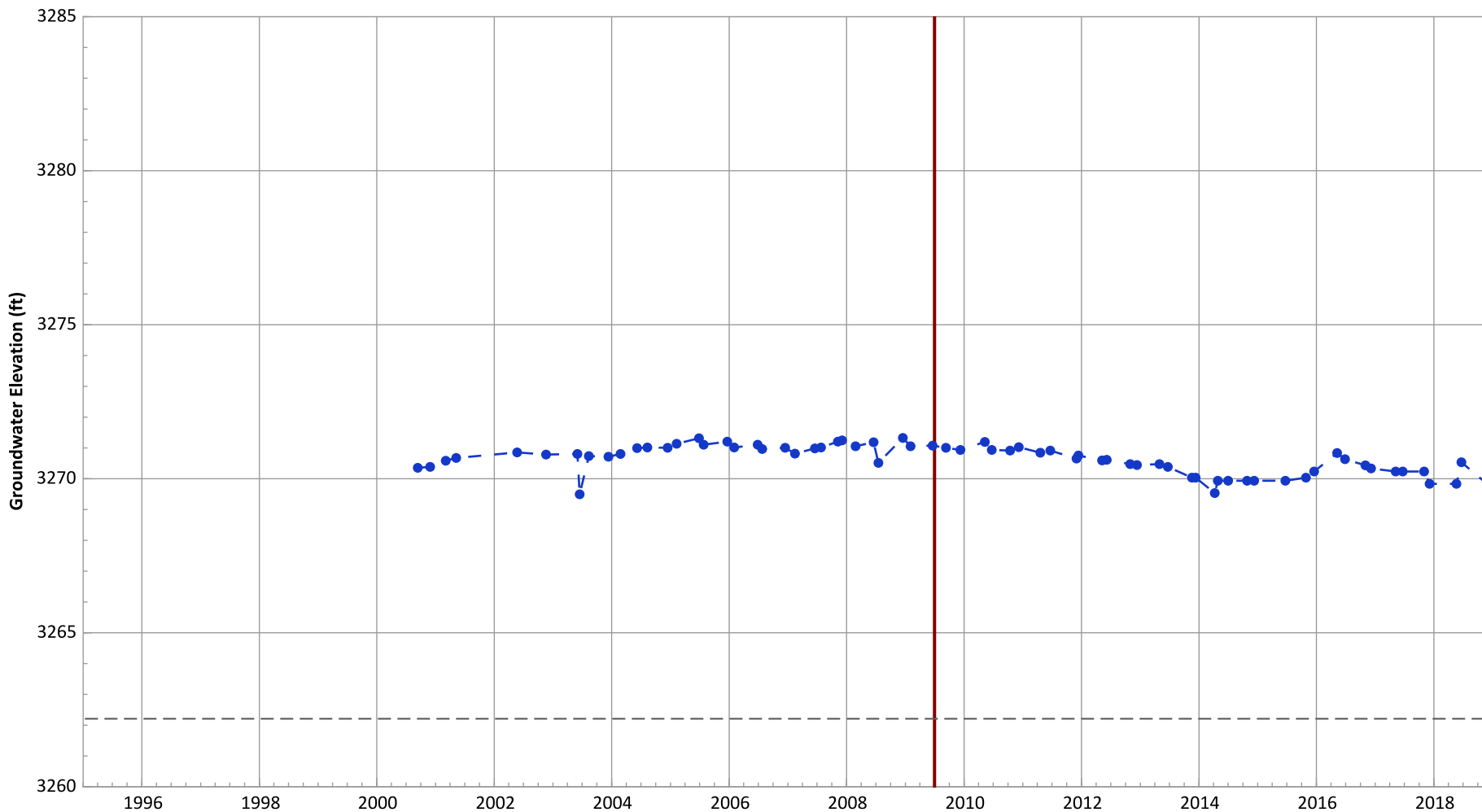
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.7 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.38 ft/yr

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

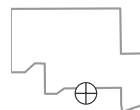


Notes:

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: 02/14/2019

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

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.17 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.1 ft/yr

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



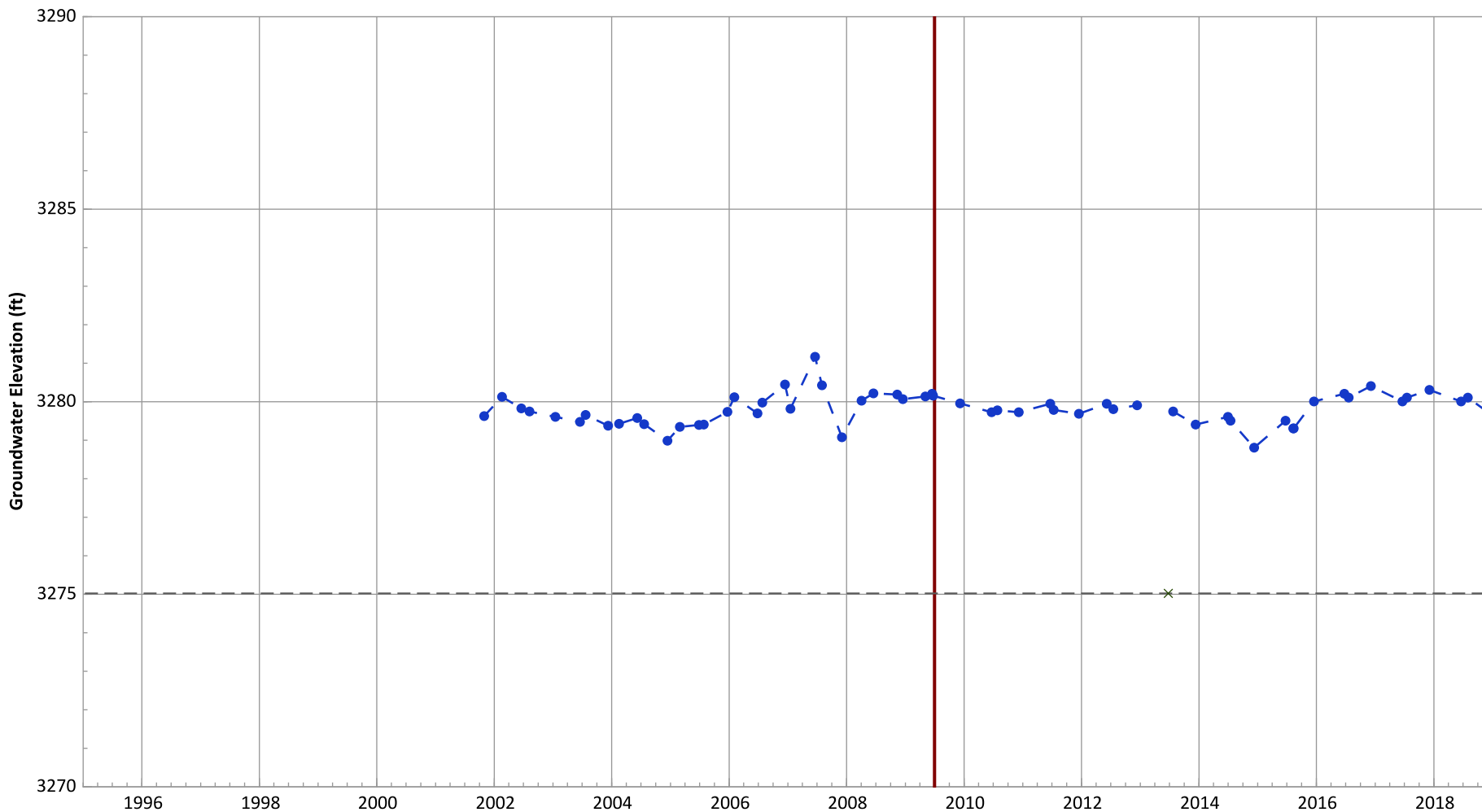
Notes:
 1. Top of screen elevation is 3303.88 ft msl.
 2. The bottom of screen elevation is 3273.88 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
 Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): 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: 02/14/2019

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

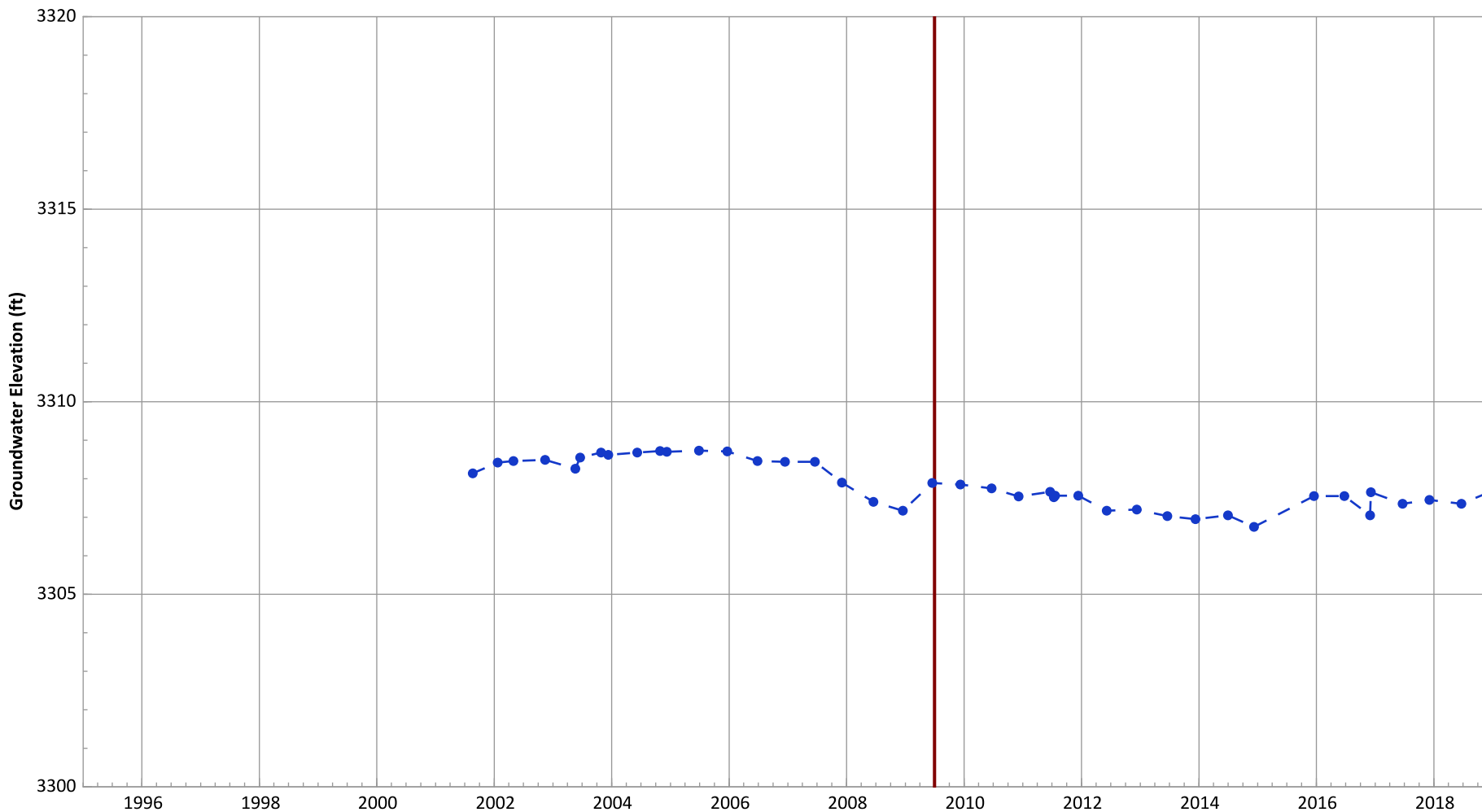
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.18 ft/yr
 Data (7/2009 - 12/2018): No Trend

**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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

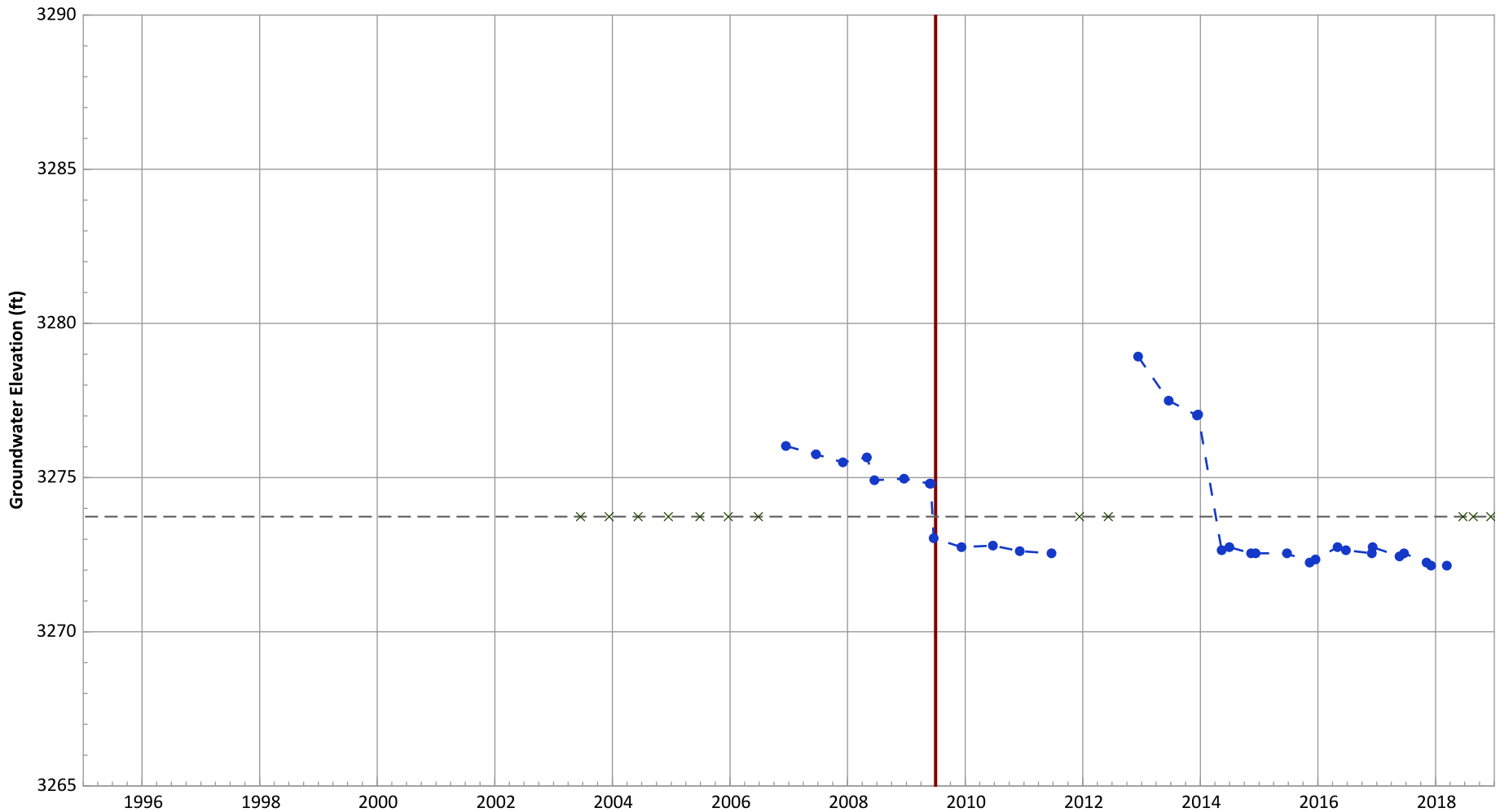
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.16 ft/yr
 Data (7/2009 - 12/2018): No Trend

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



Notes:

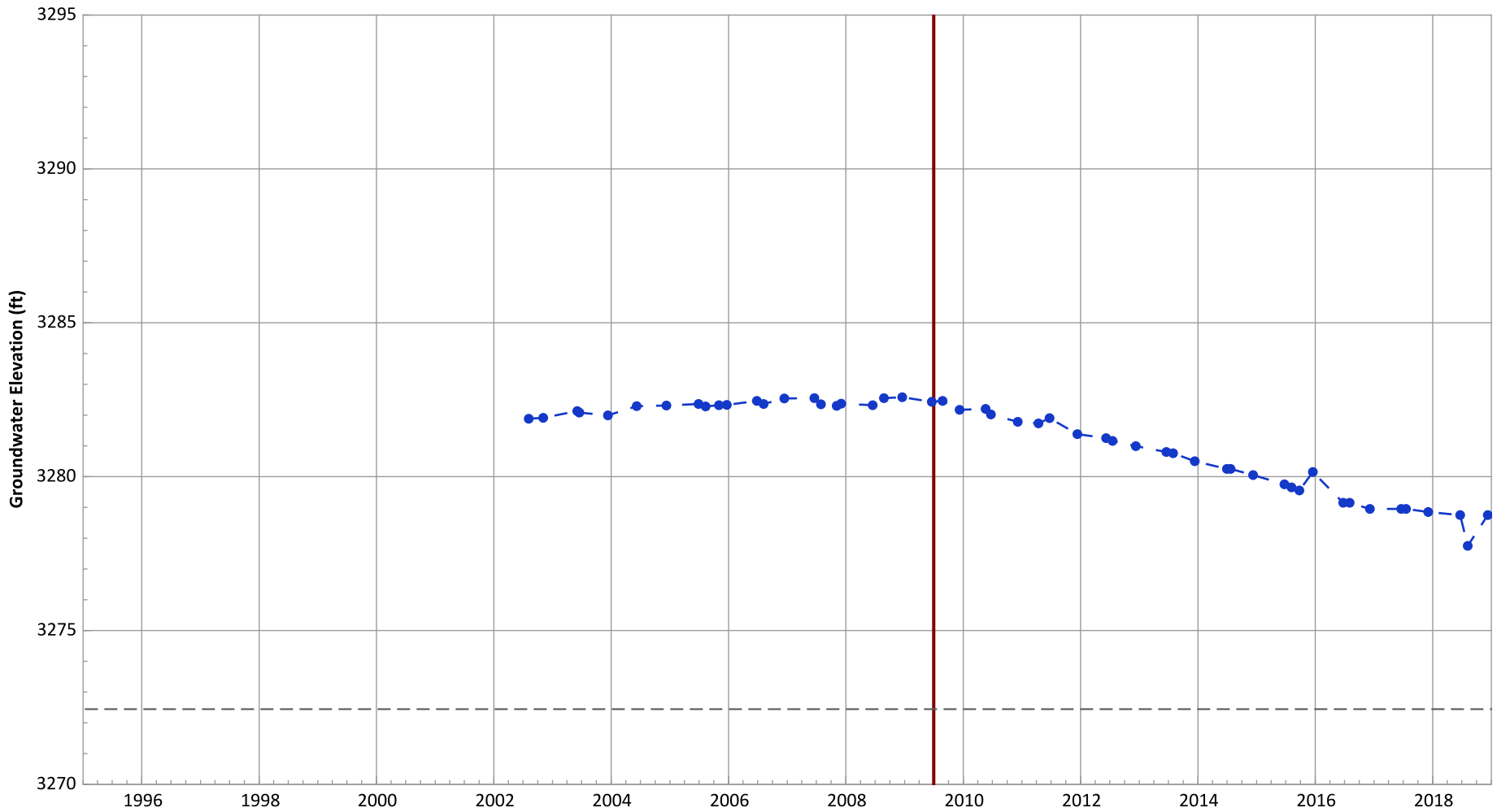
1. Top of screen elevation is 3303.73 ft msl.
 2. The bottom of screen elevation is 3273.73 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/14/2019

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



Hydrograph Trend
(MAROS Linear Regression Method)
2016 - 2018 Data: Decreasing at 0.5 ft/yr
Data (7/2009 - 12/2018): Decreasing at 0.25 ft/yr

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

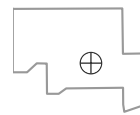


Notes:

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: 02/14/2019

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

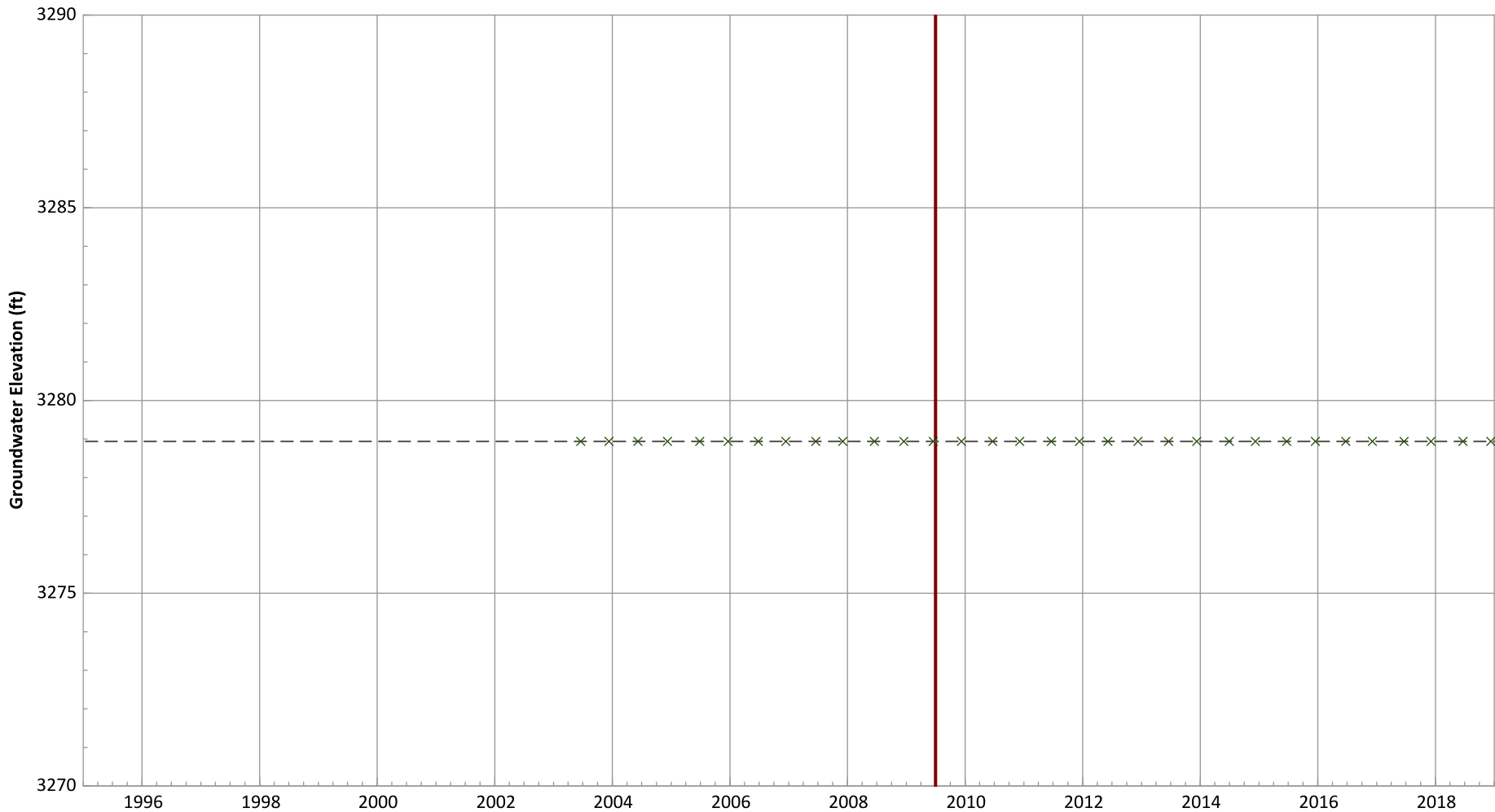
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.4 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.45 ft/yr

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

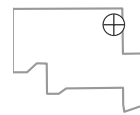


Notes:

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: 02/14/2019

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

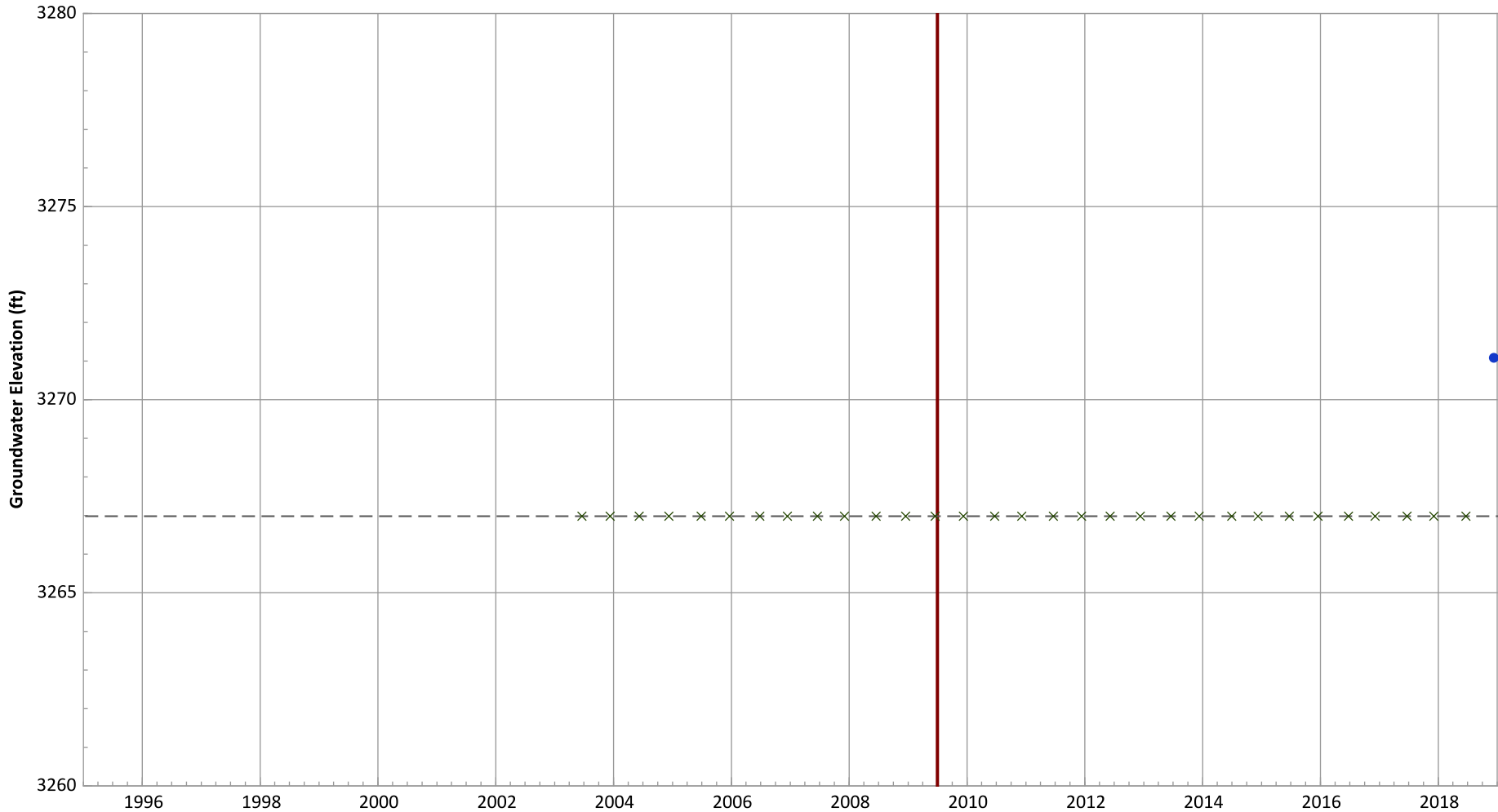
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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



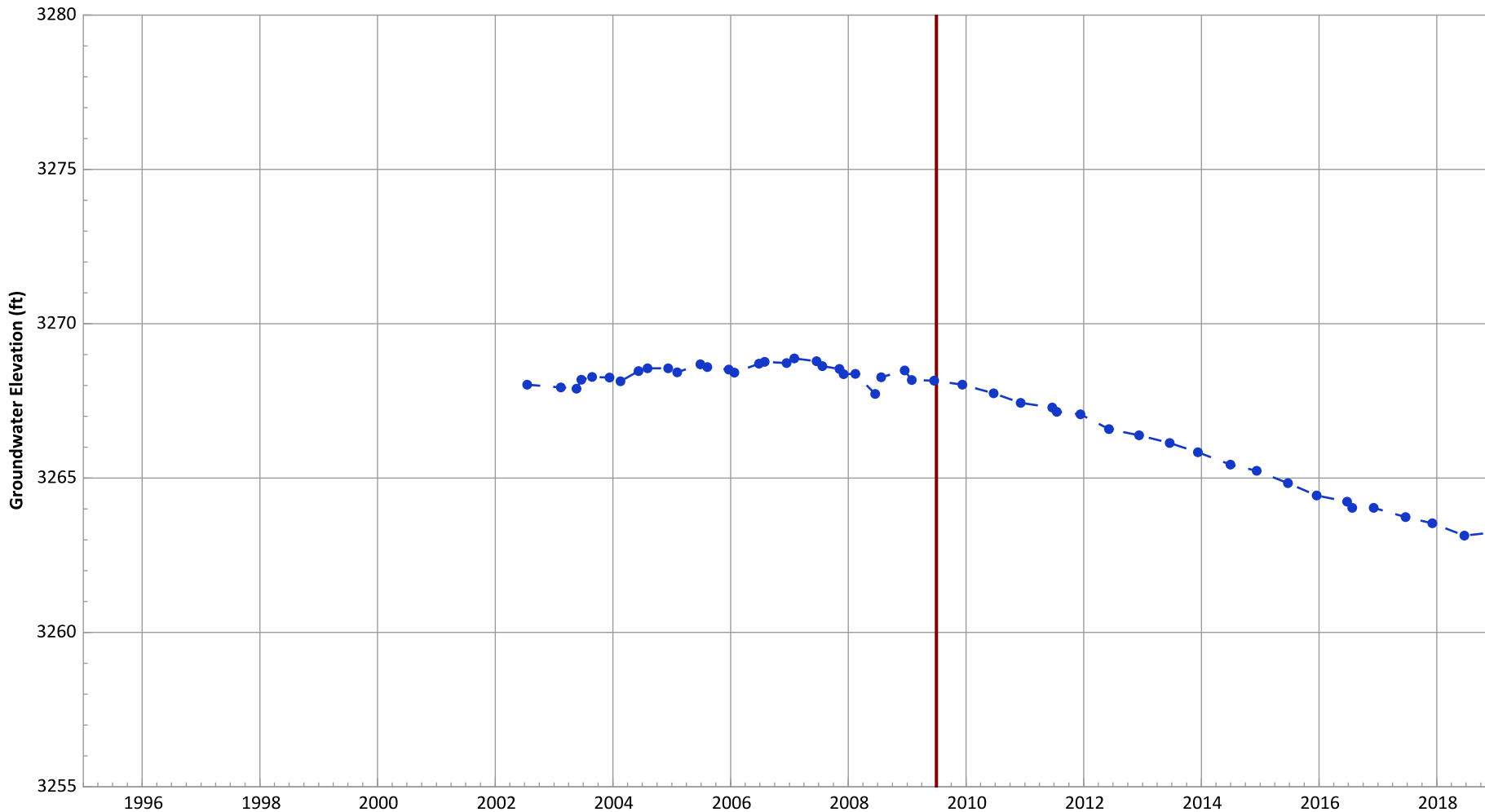
Notes:
 1. Top of screen elevation is 3296.98 ft msl.
 2. The bottom of screen elevation is 3266.98 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
 Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (<3 Measurements)
 Data (7/2009 - 12/2018): N/A (<3 Measurements)

**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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

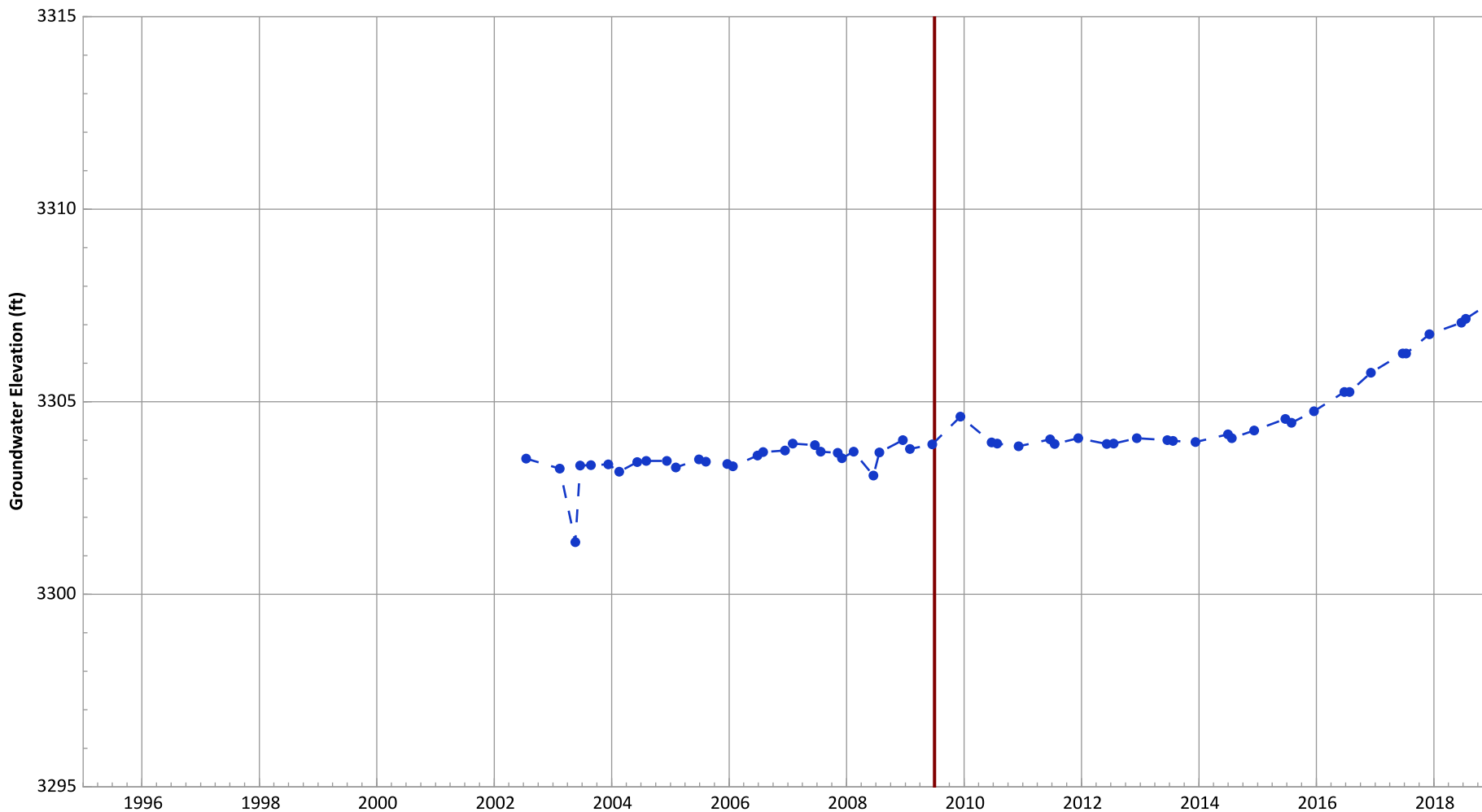
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.39 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.57 ft/yr

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

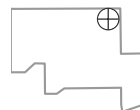


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

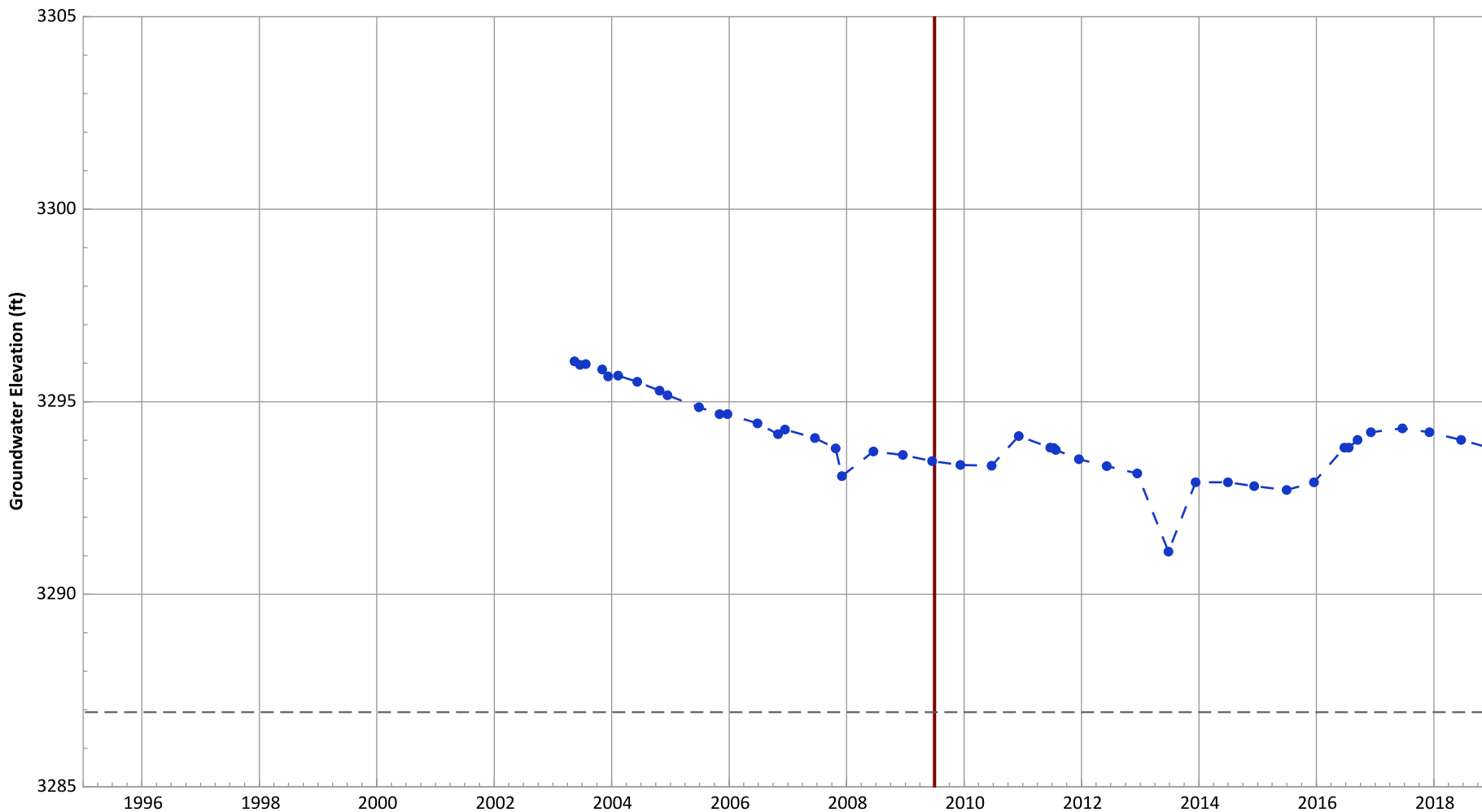
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.86 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.37 ft/yr

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



Notes:

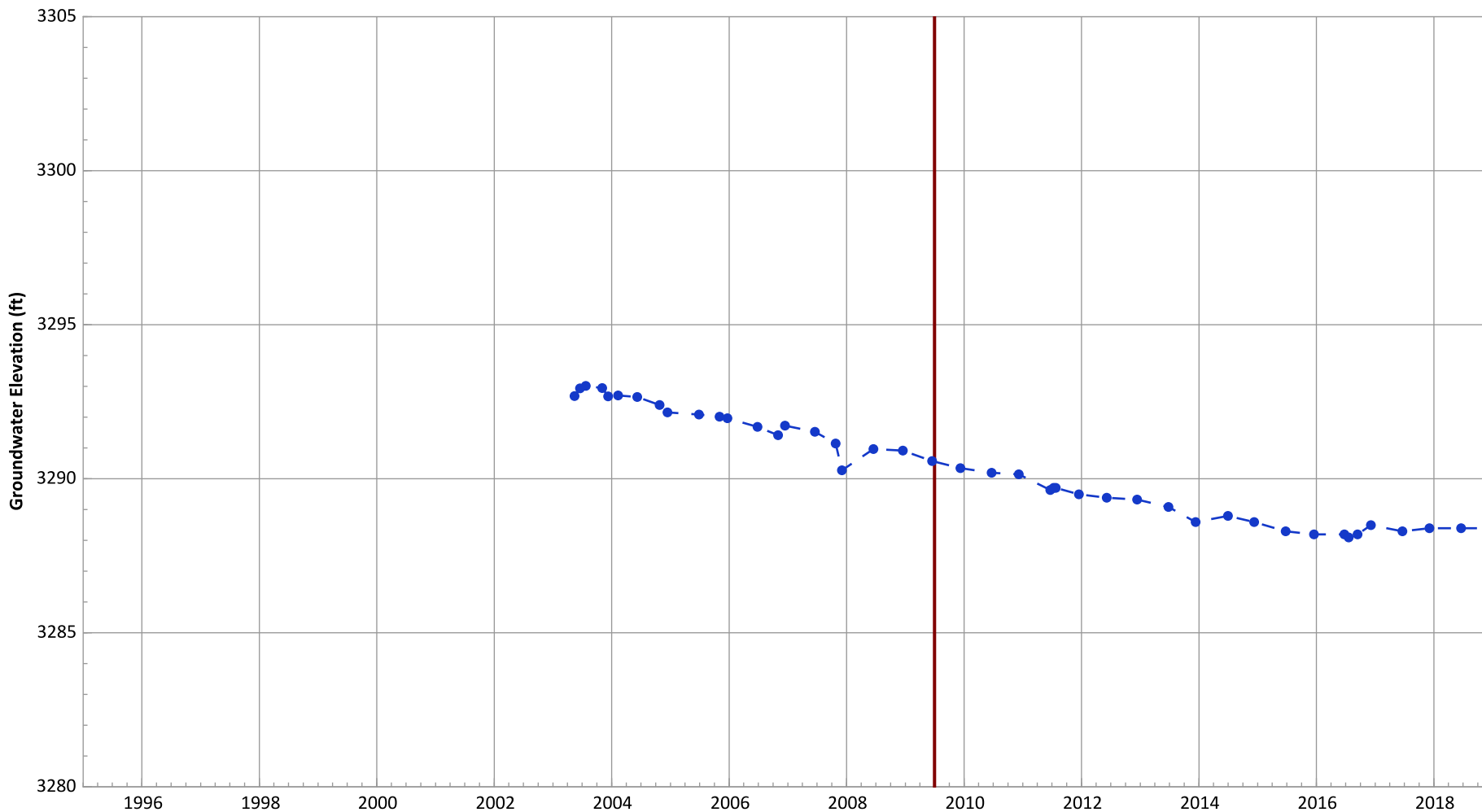
1. Top of screen elevation is 3311.94 ft msl.
 2. The bottom of screen elevation is 3286.94 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/14/2019

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



Hydrograph Trend
(MAROS Linear Regression Method)
2016 - 2018 Data: Decreasing at 0.34 ft/yr
Data (7/2009 - 12/2018): No Trend

**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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

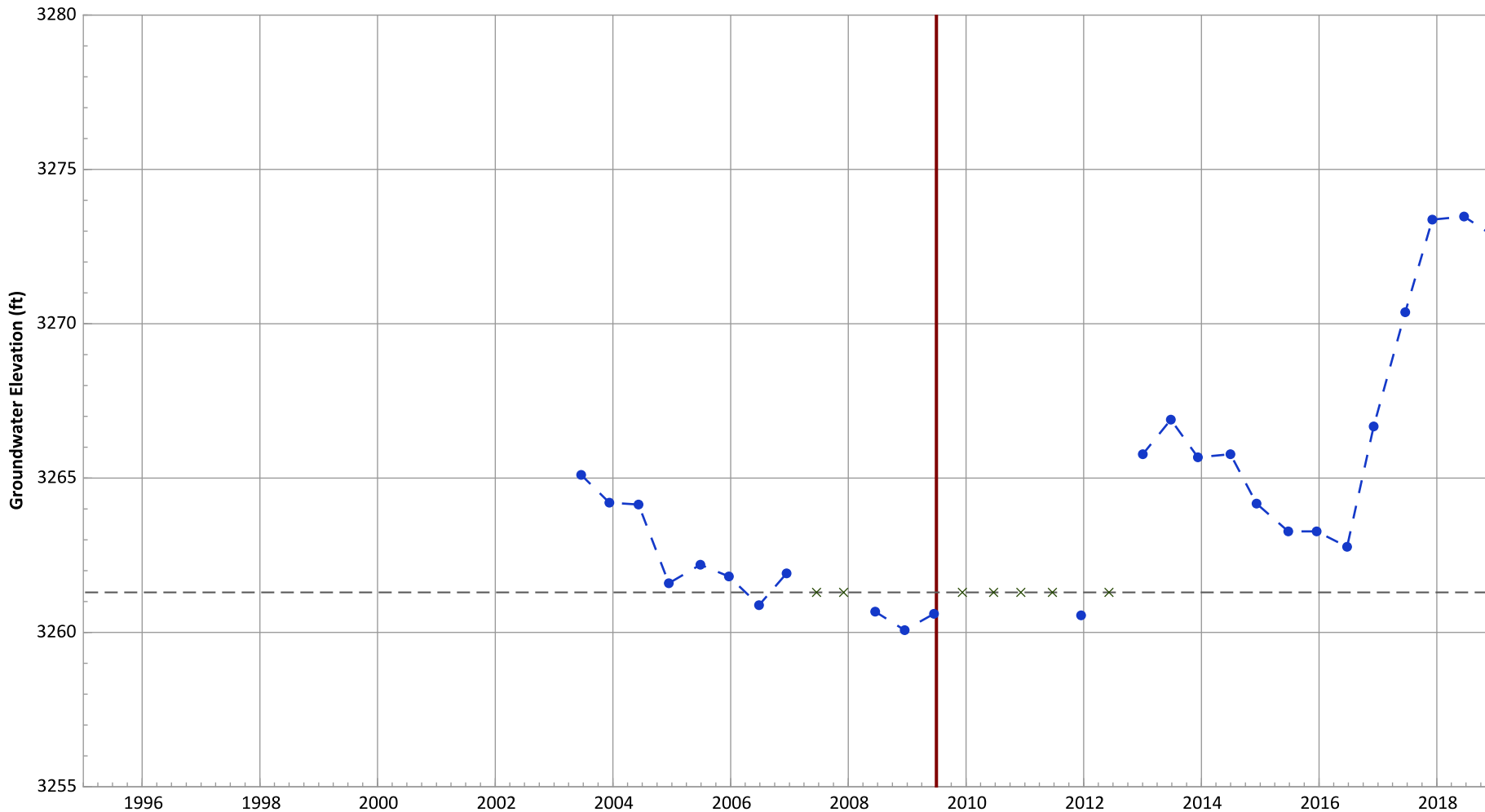
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.25 ft/yr

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



Notes:

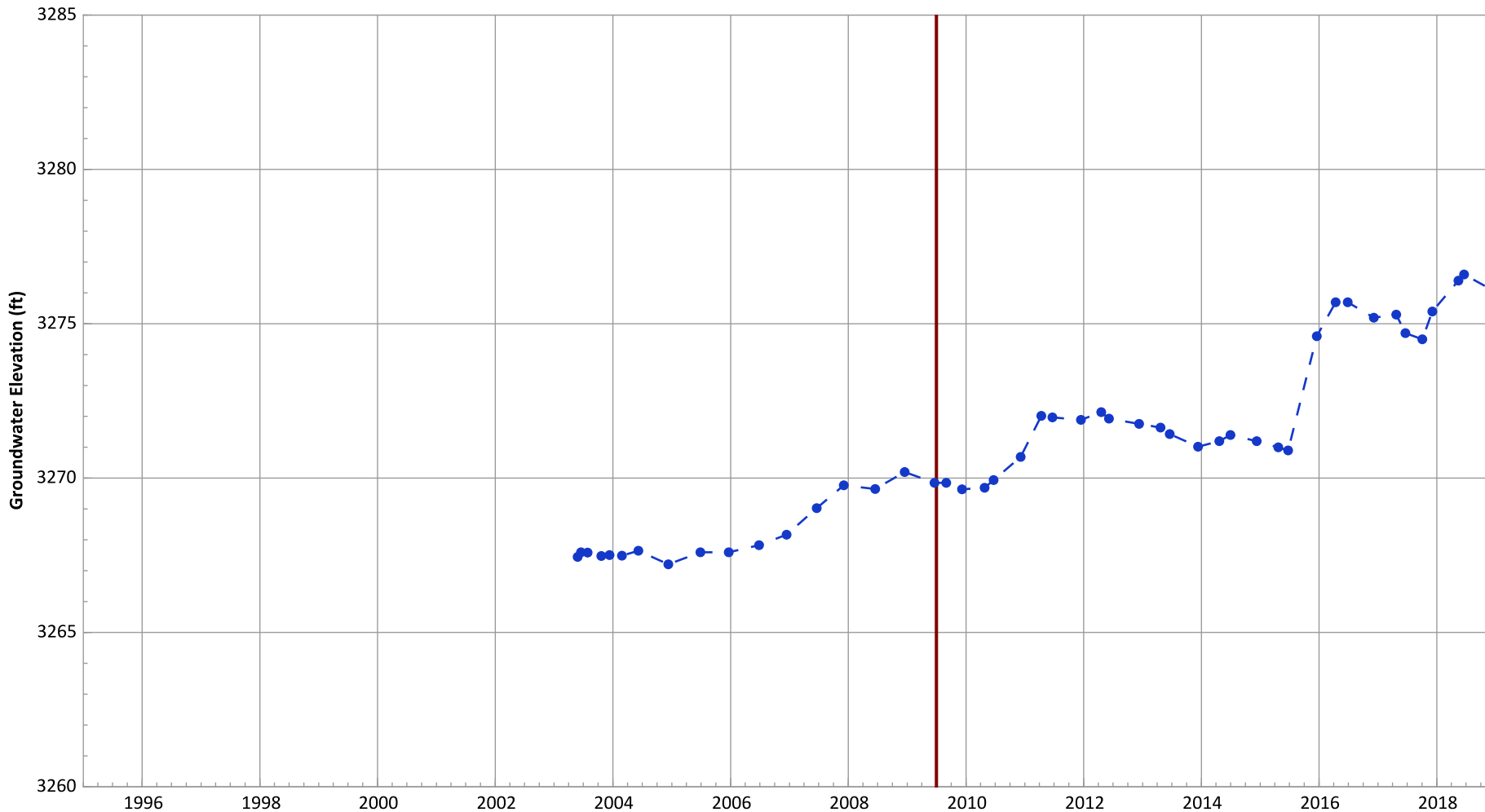
1. Top of screen elevation is 3281.3 ft msl.
 2. The bottom of screen elevation is 3261.3 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/14/2019

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



Hydrograph Trend
(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 1.5 ft/yr
Data (7/2009 - 12/2018): Increasing at 1.45 ft/yr

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

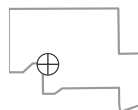


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

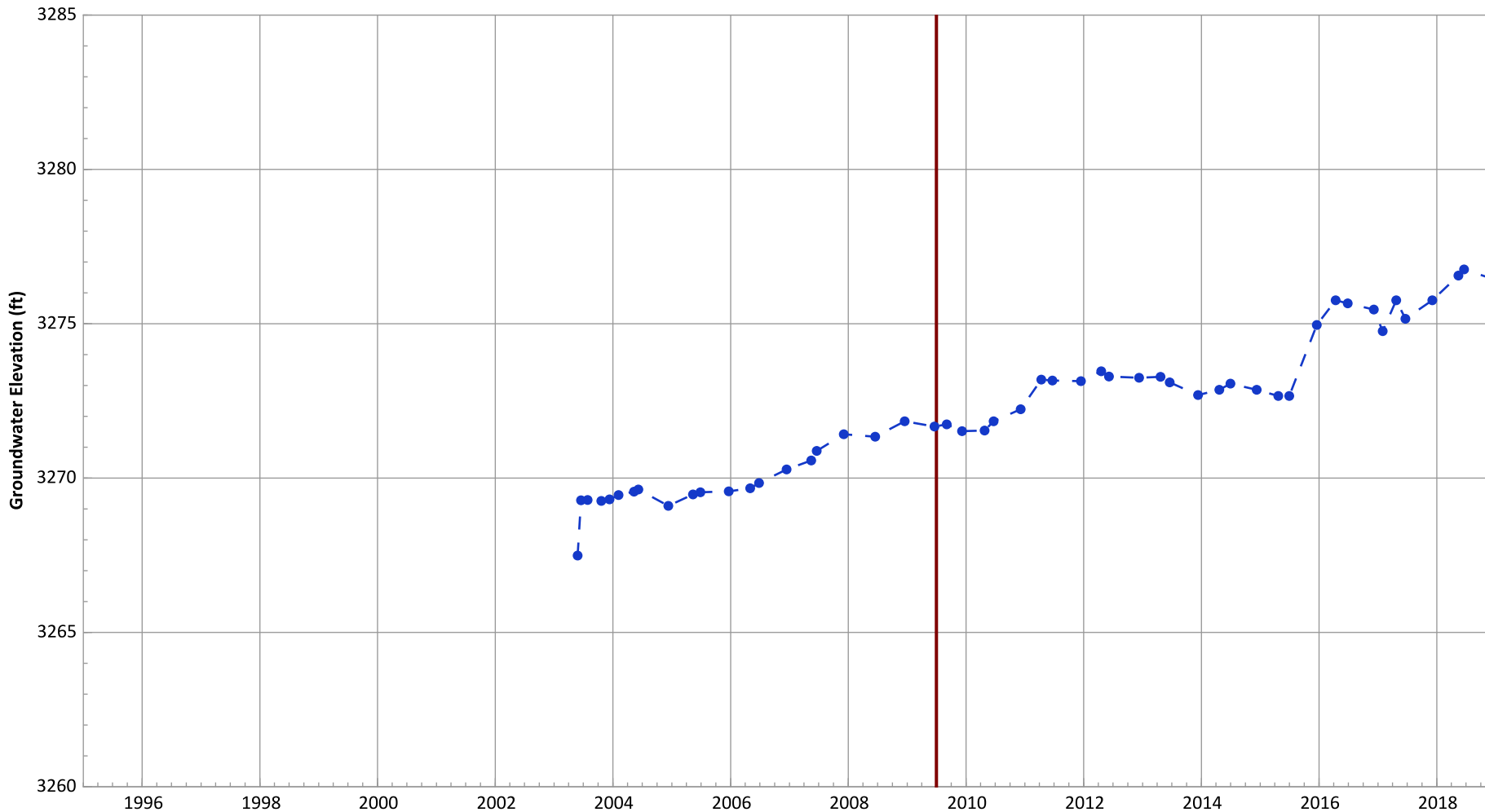
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.07 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.69 ft/yr

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

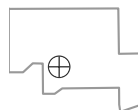


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

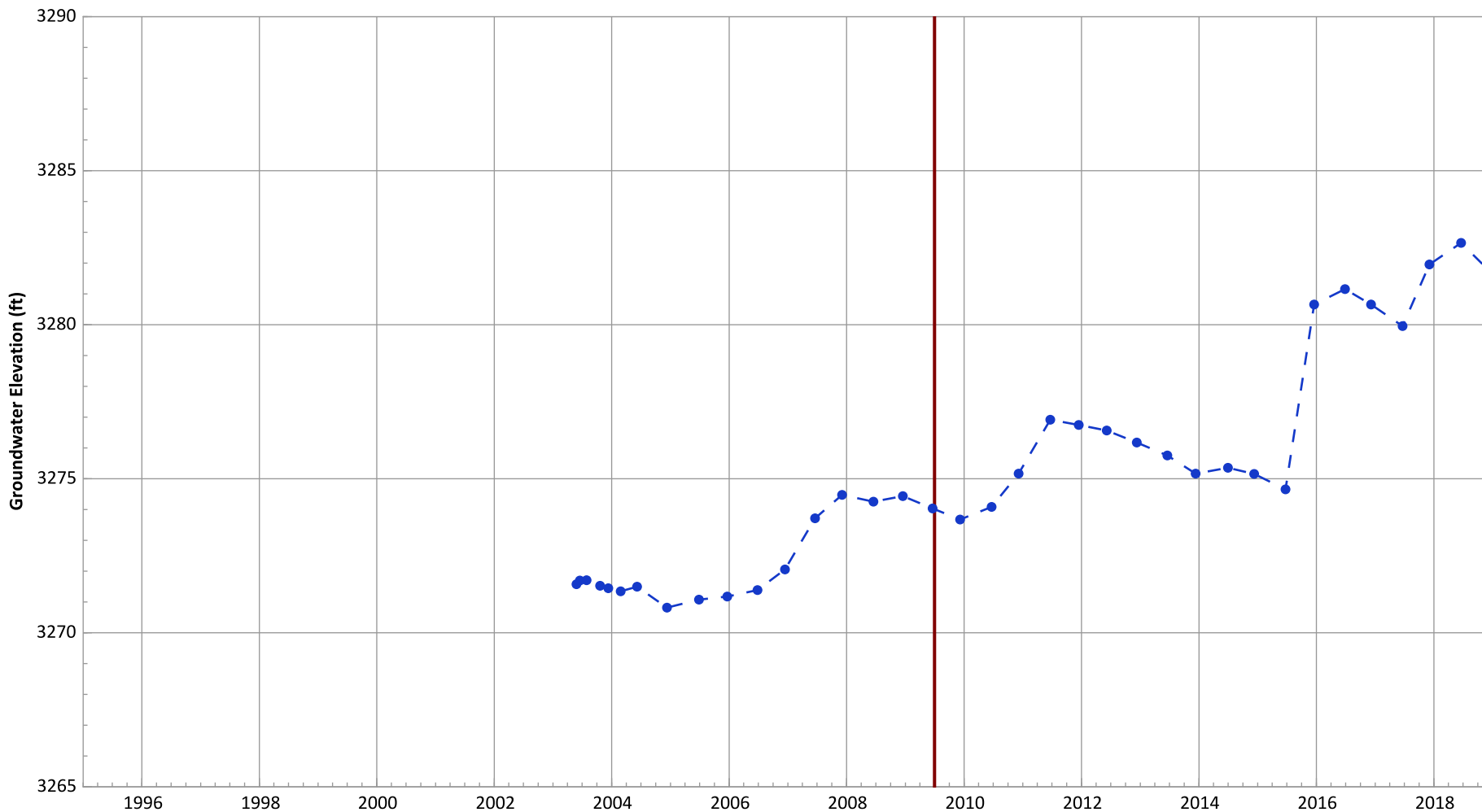
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.96 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.5 ft/yr

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

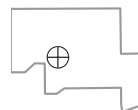


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

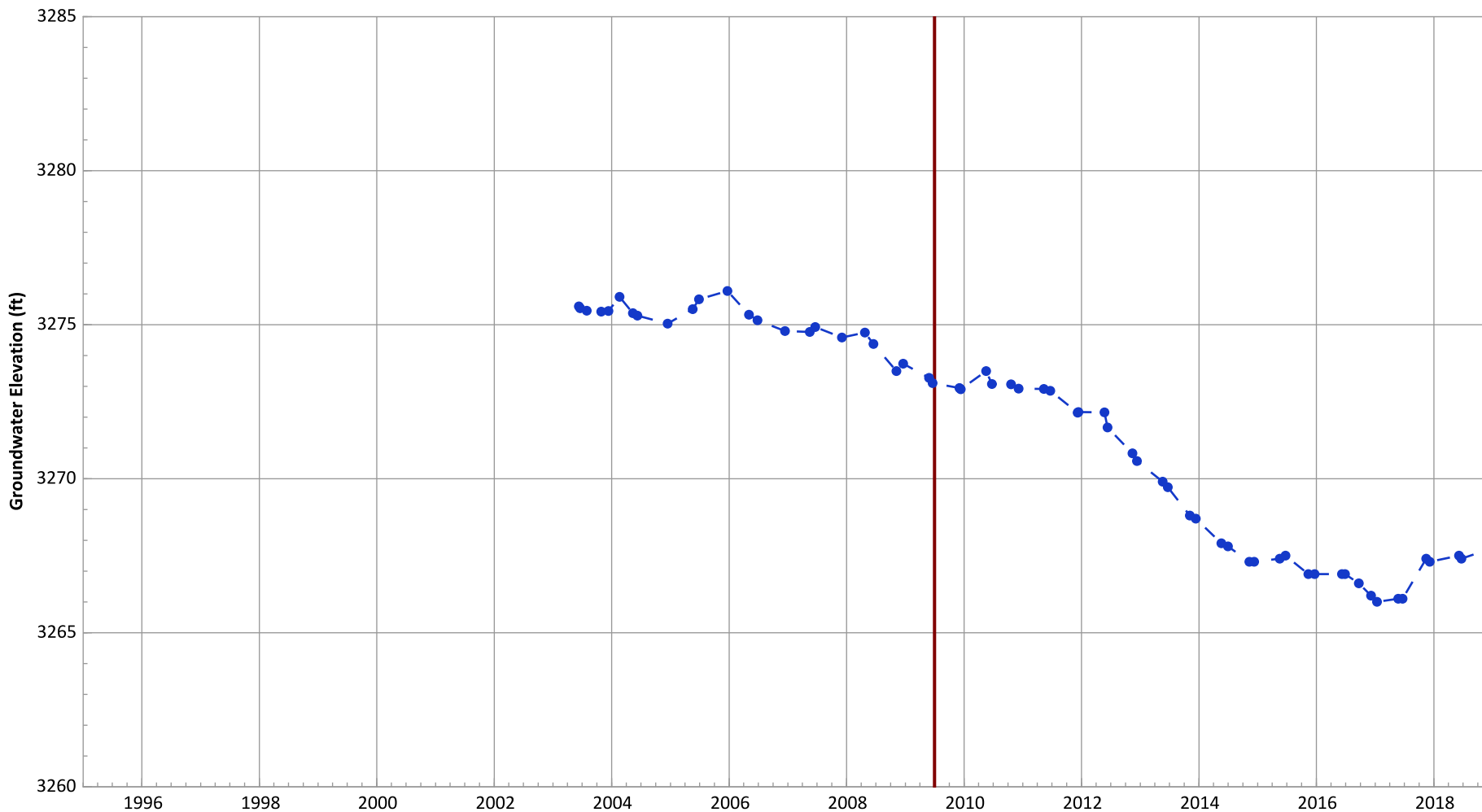
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.22 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.9 ft/yr

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

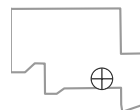


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

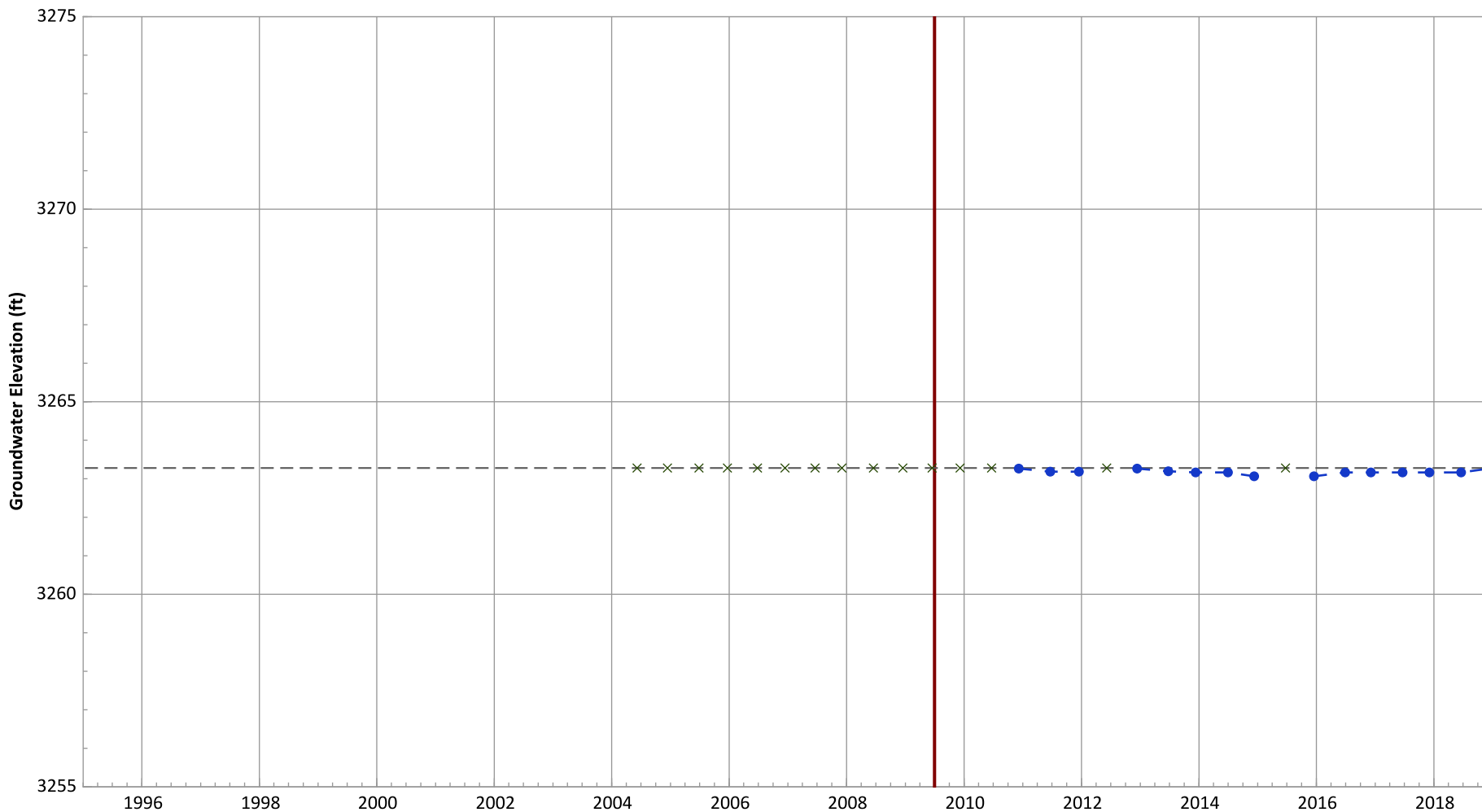
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.02 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.85 ft/yr

**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: 02/14/2019

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

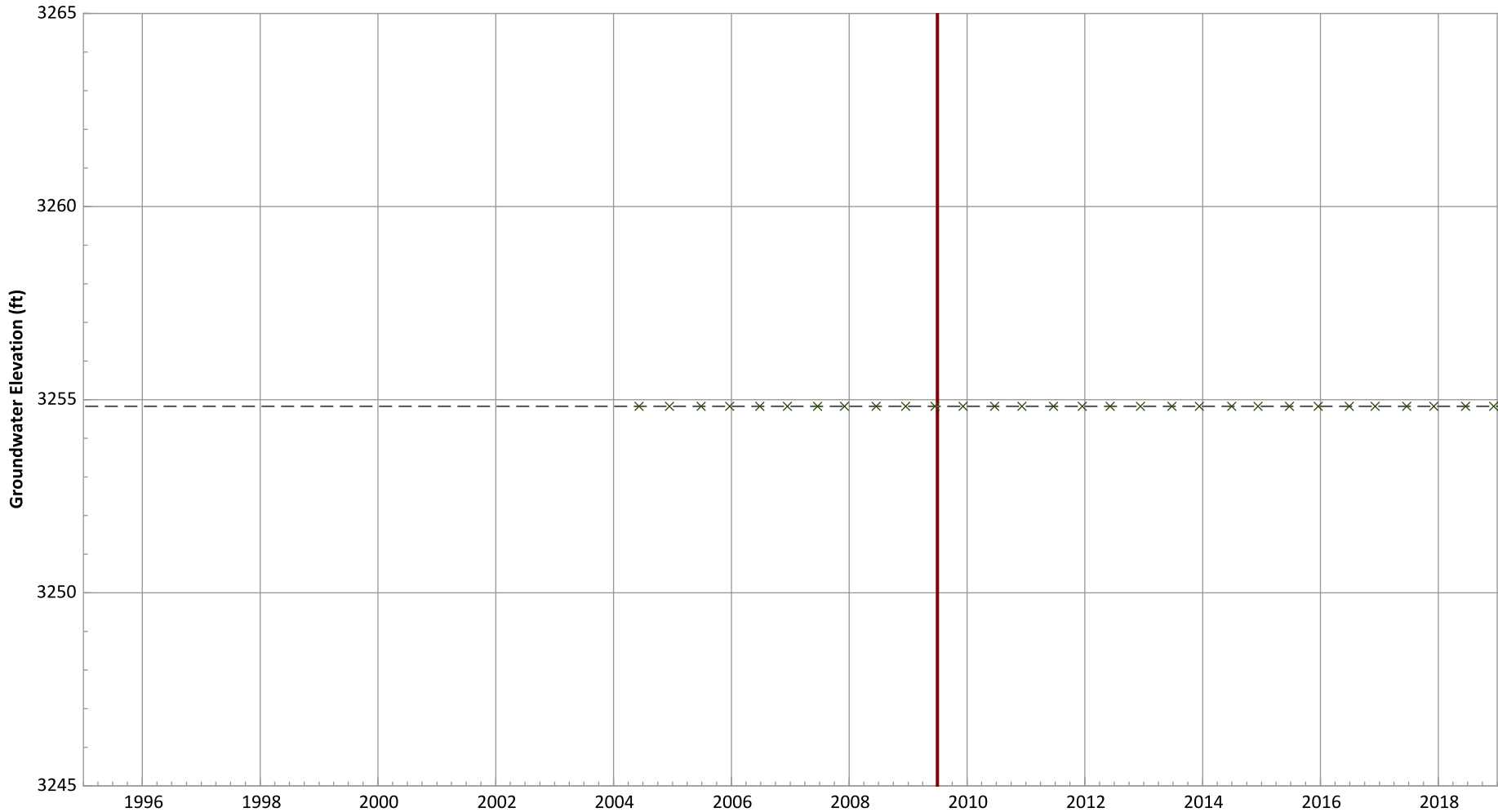
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): No Trend

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



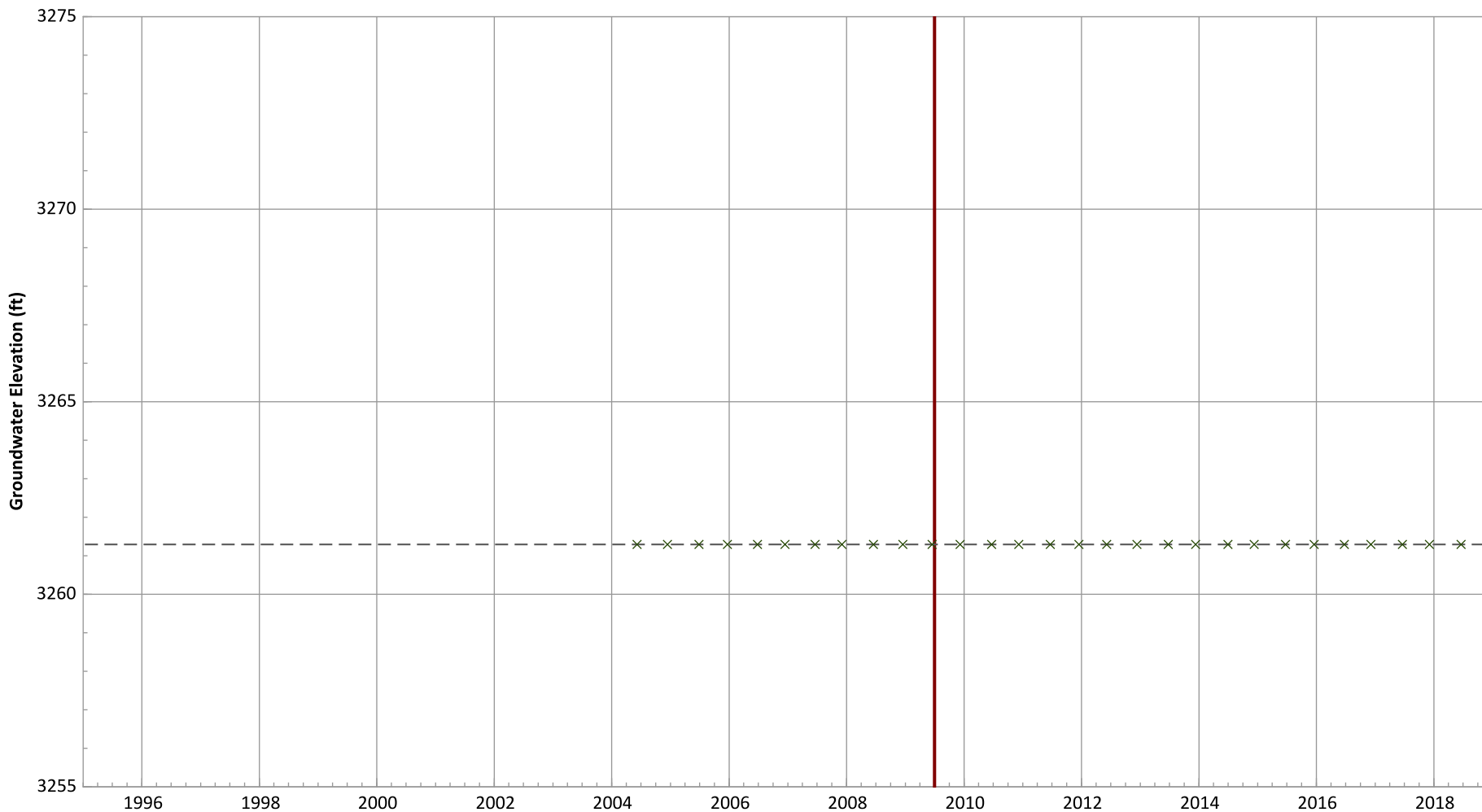
Notes:
 1. Top of screen elevation is 3269.83 ft msl.
 2. The bottom of screen elevation is 3254.83 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): 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: 02/14/2019

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

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: N/A (No Measurements)
Data (7/2009 - 12/2018): N/A (No Measurements)

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

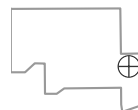


Notes:

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: 02/14/2019

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

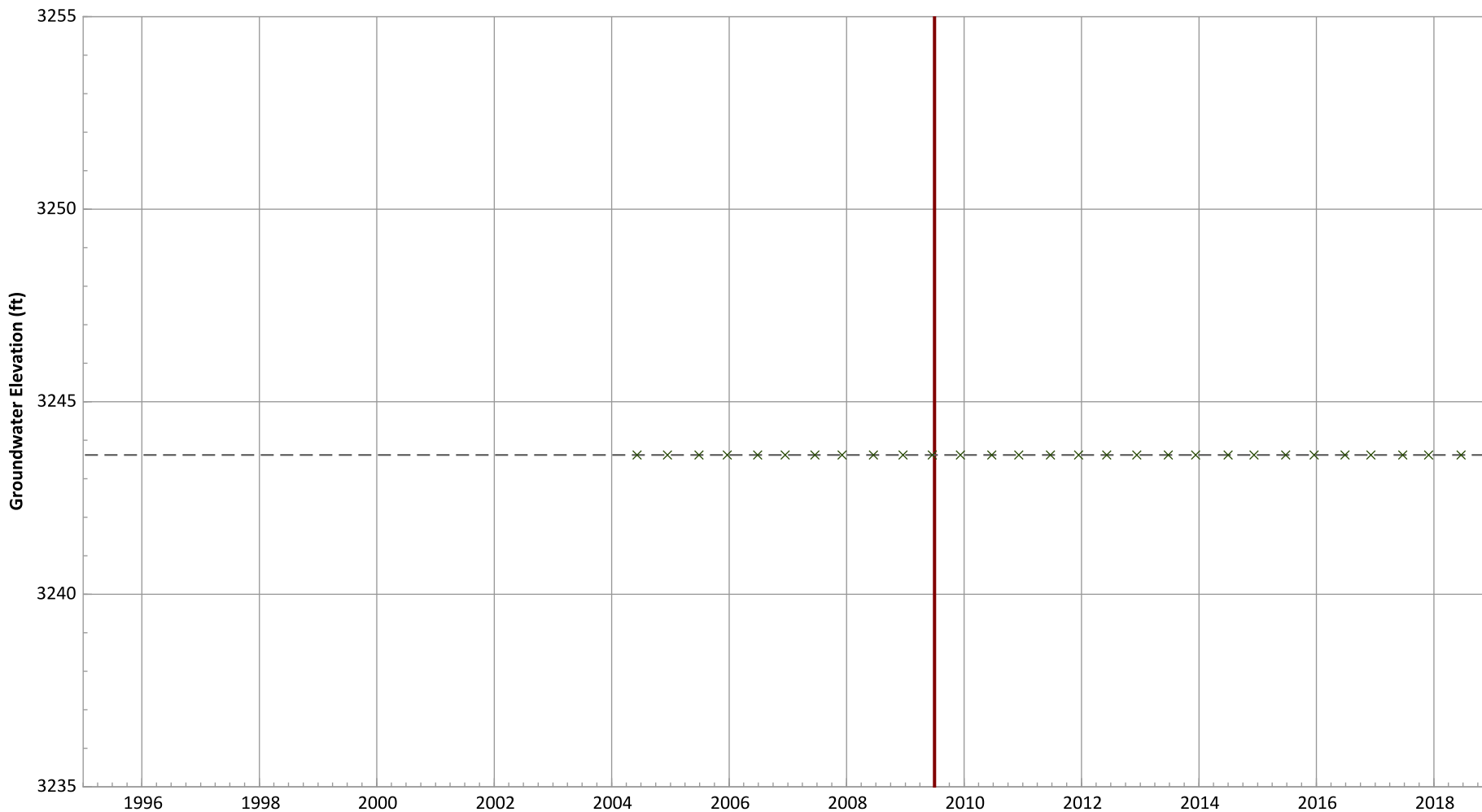
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

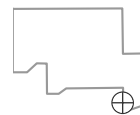


Notes:

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: 02/14/2019

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

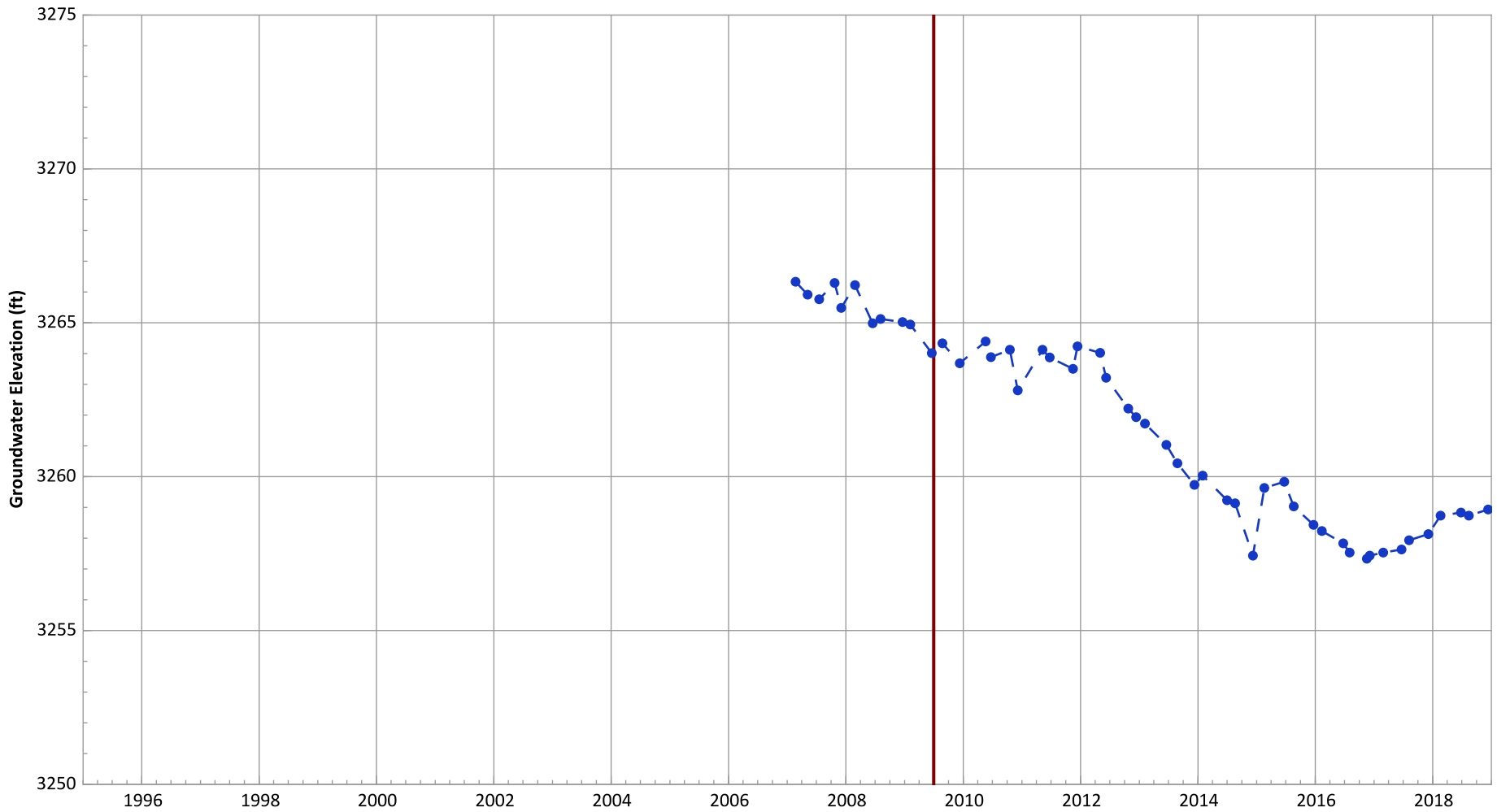
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

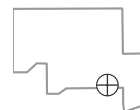


Notes:

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: 02/14/2019

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

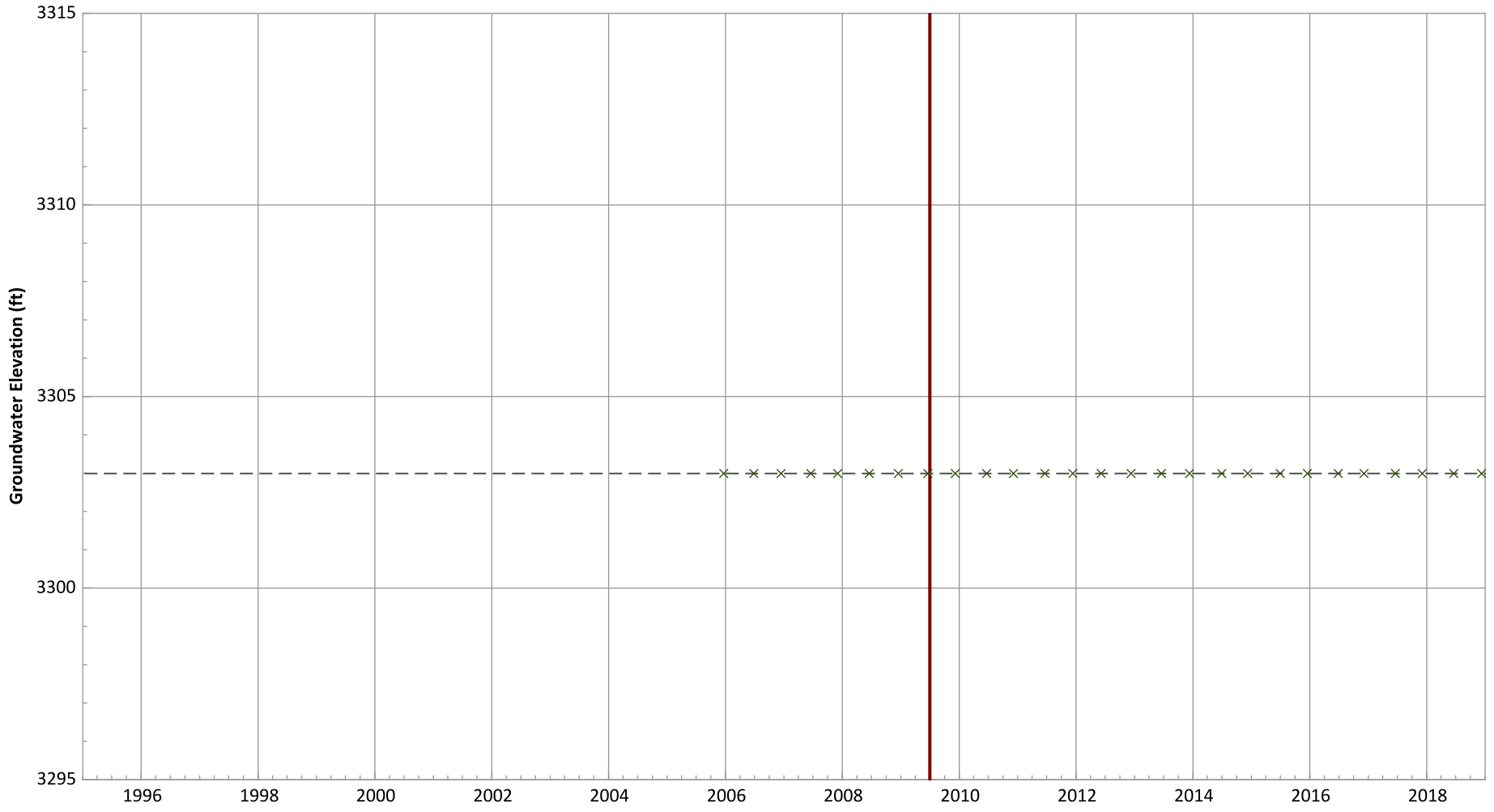
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.88 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.84 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: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

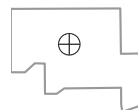


Notes:

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: 02/14/2019

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

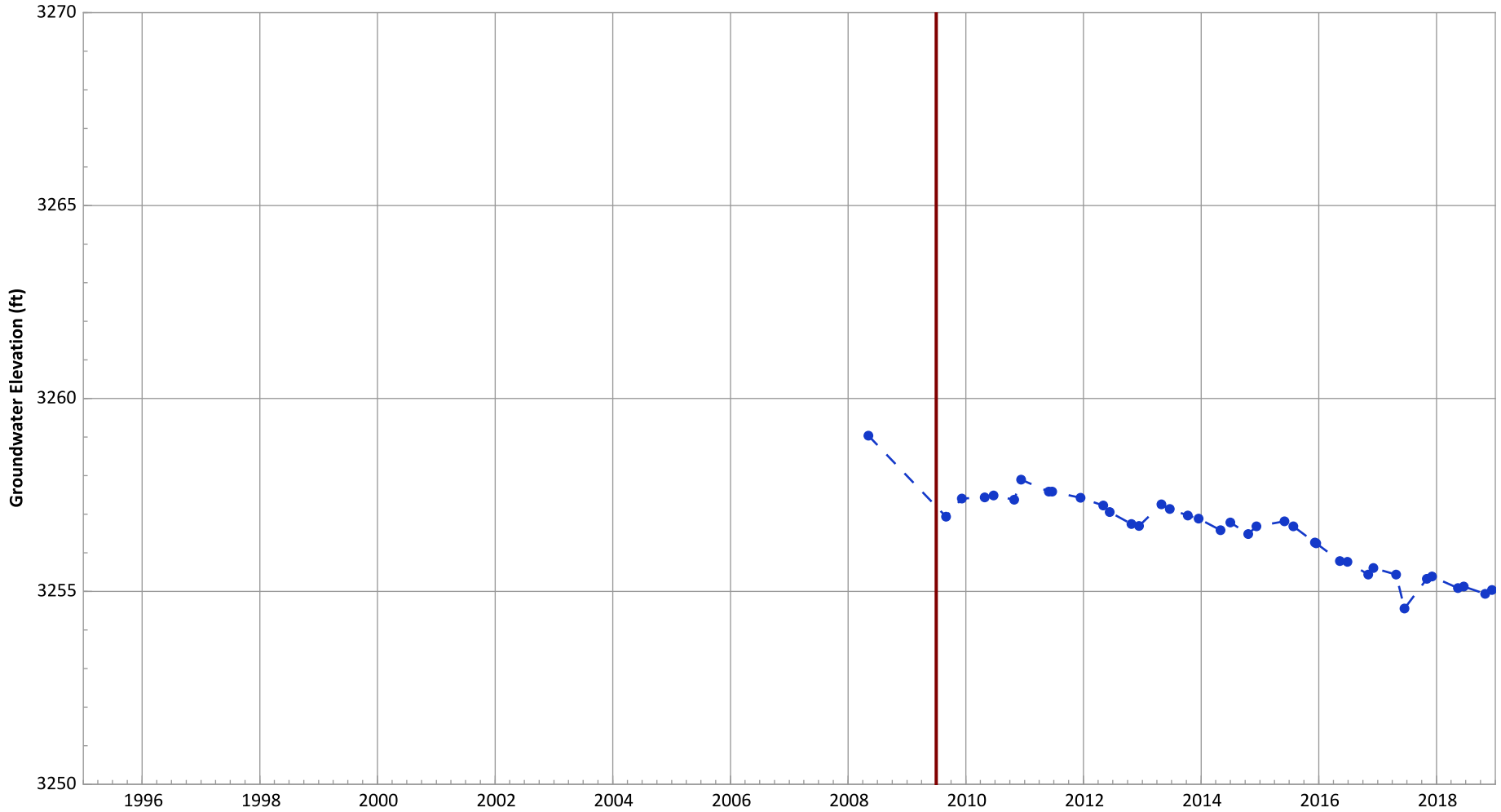
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

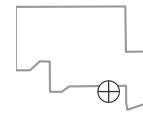


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

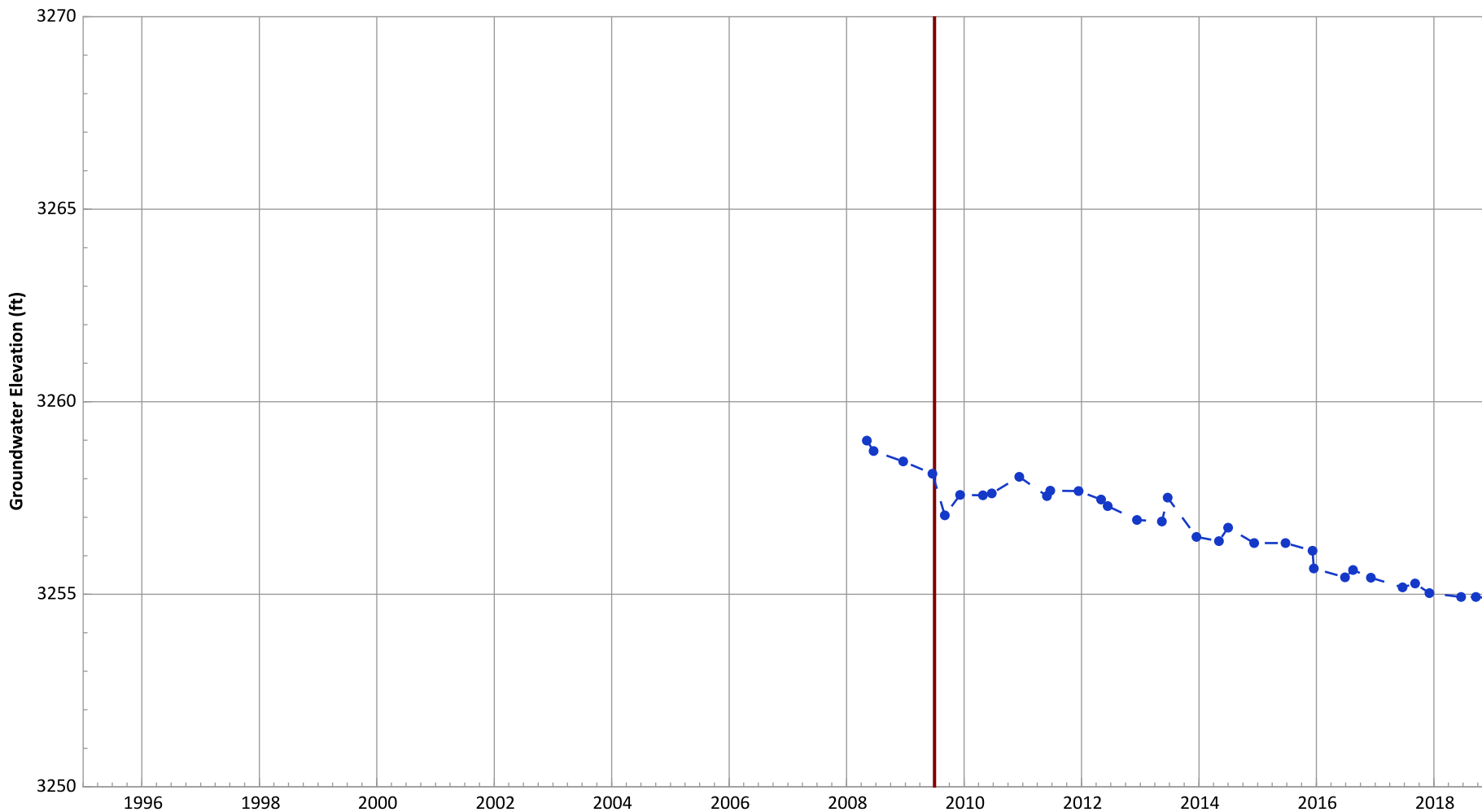
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): Decreasing at 0.3 ft/yr

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

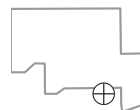


Notes:

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: 02/14/2019

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

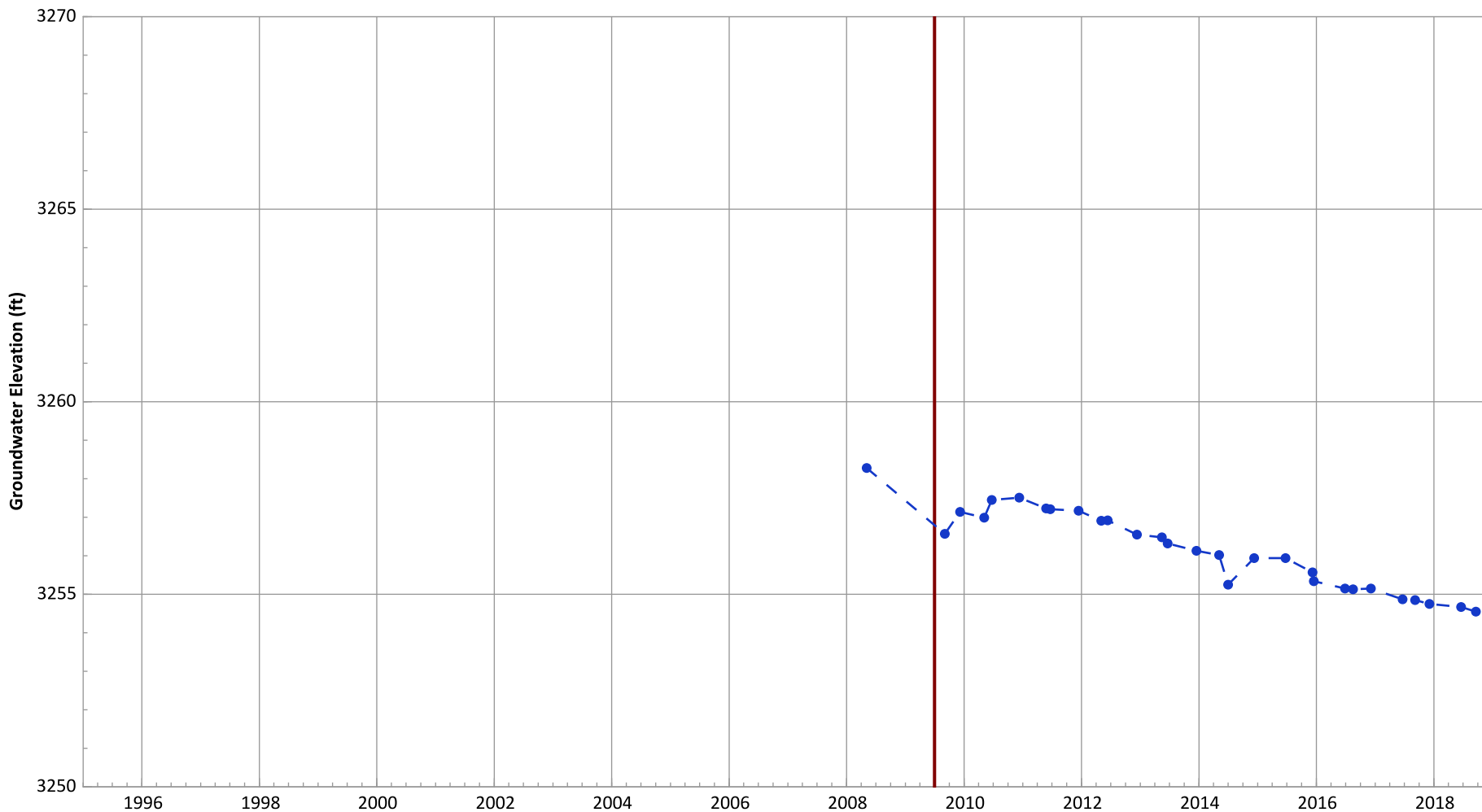
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.23 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.34 ft/yr

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

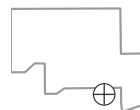


Notes:

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: 02/14/2019

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

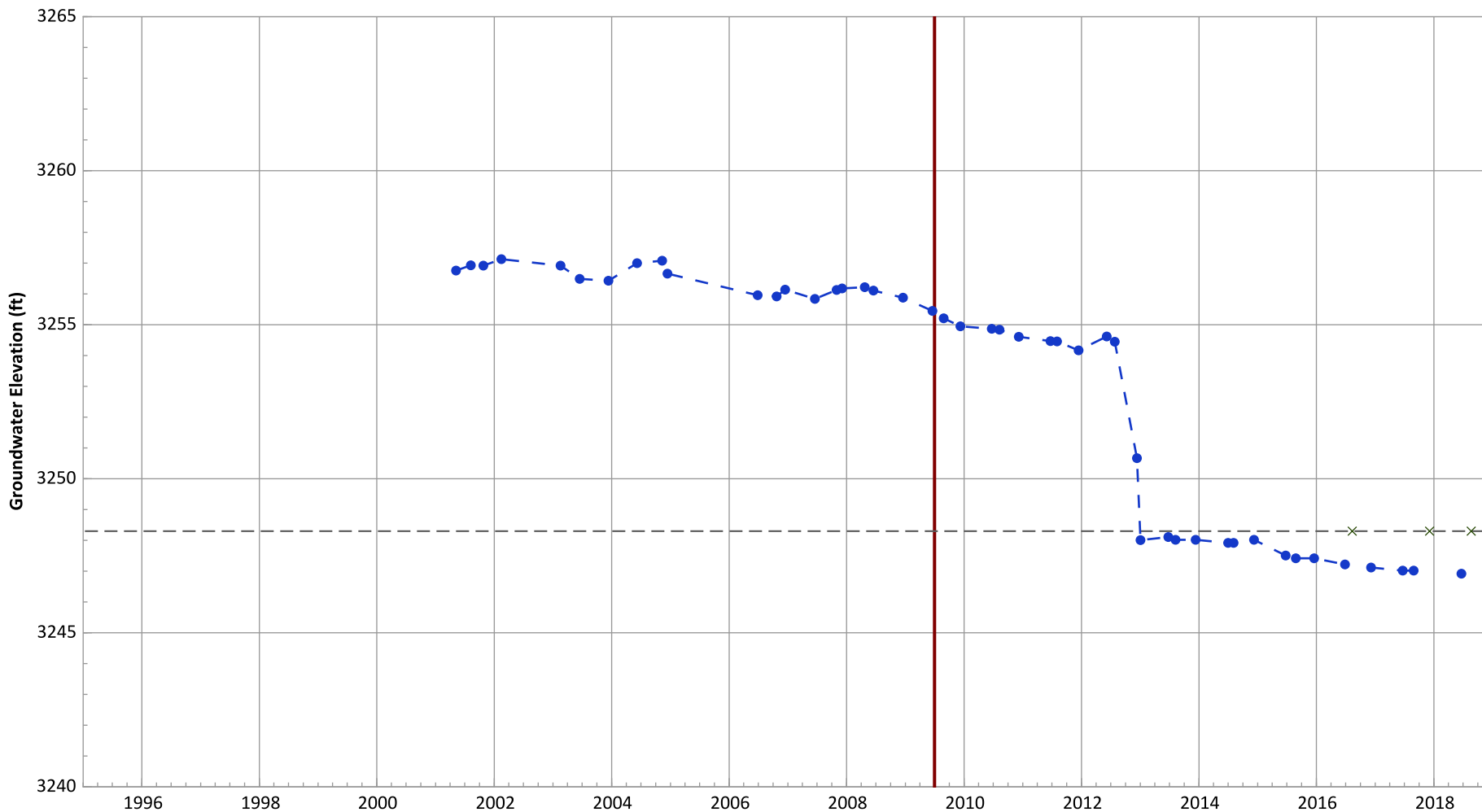
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.23 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.33 ft/yr

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

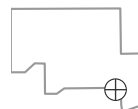


Notes:

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: 02/14/2019

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

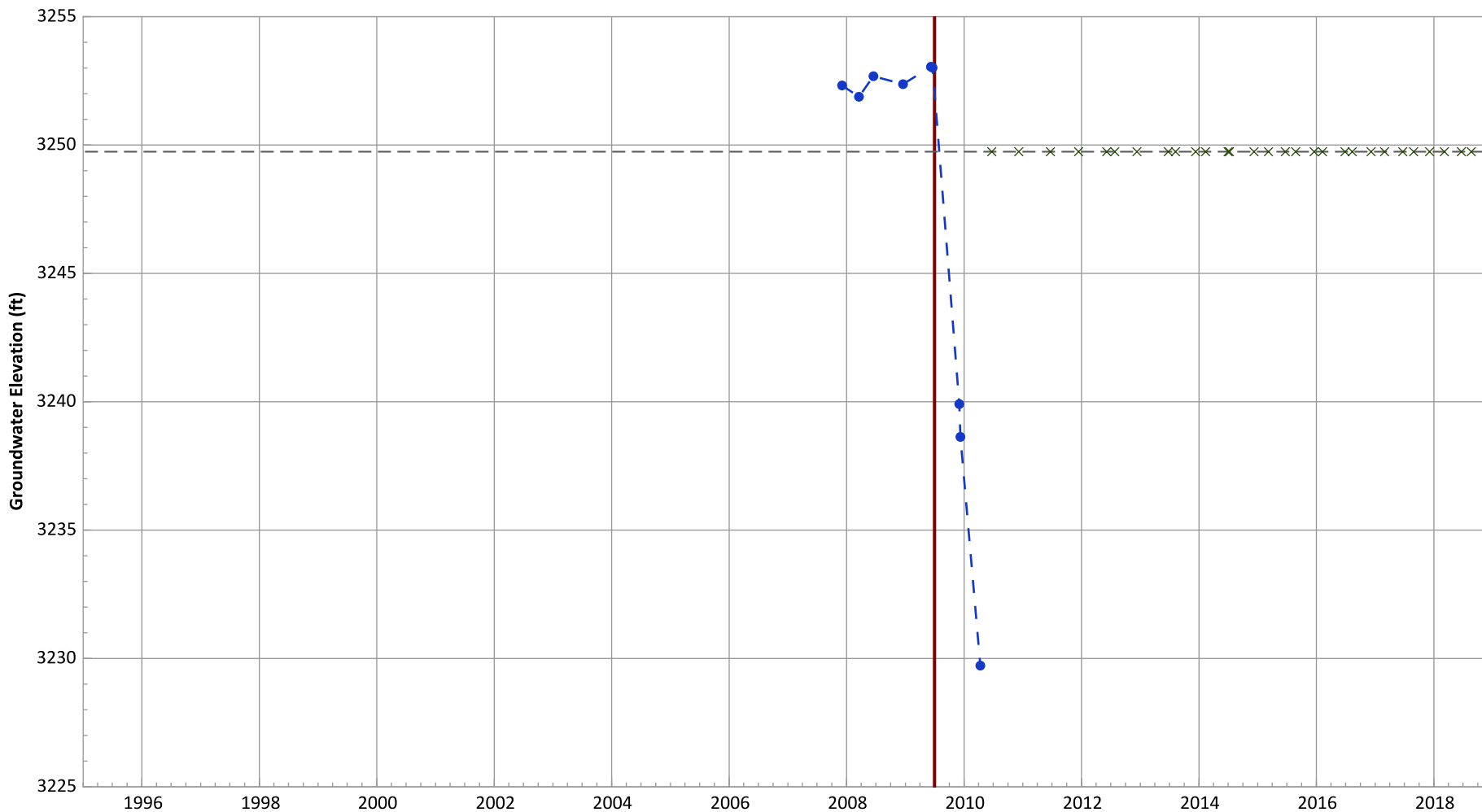
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.11 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.22 ft/yr

**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: 02/14/2019

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

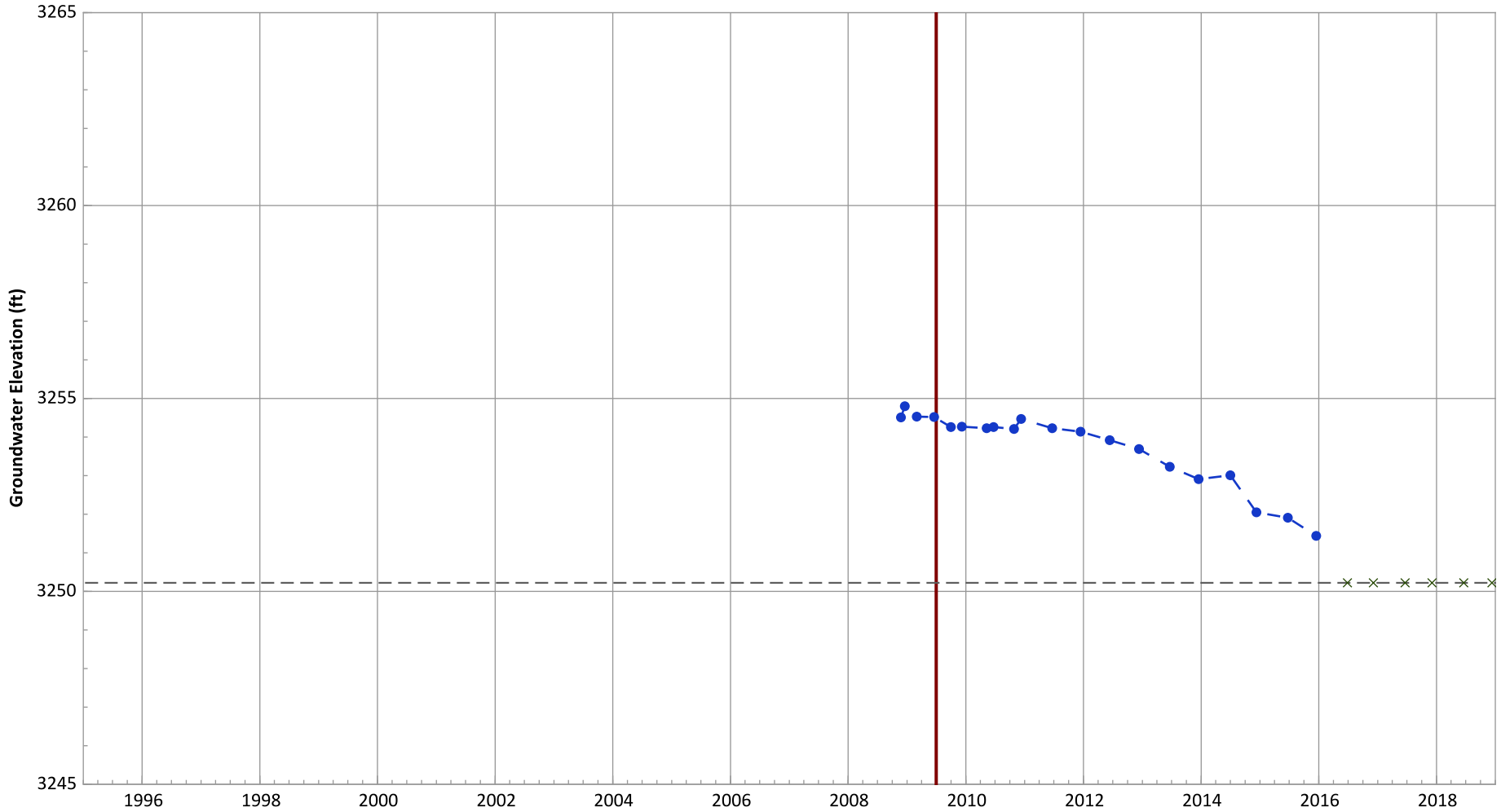
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 27.43 ft/yr

**PTX06-1104 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**



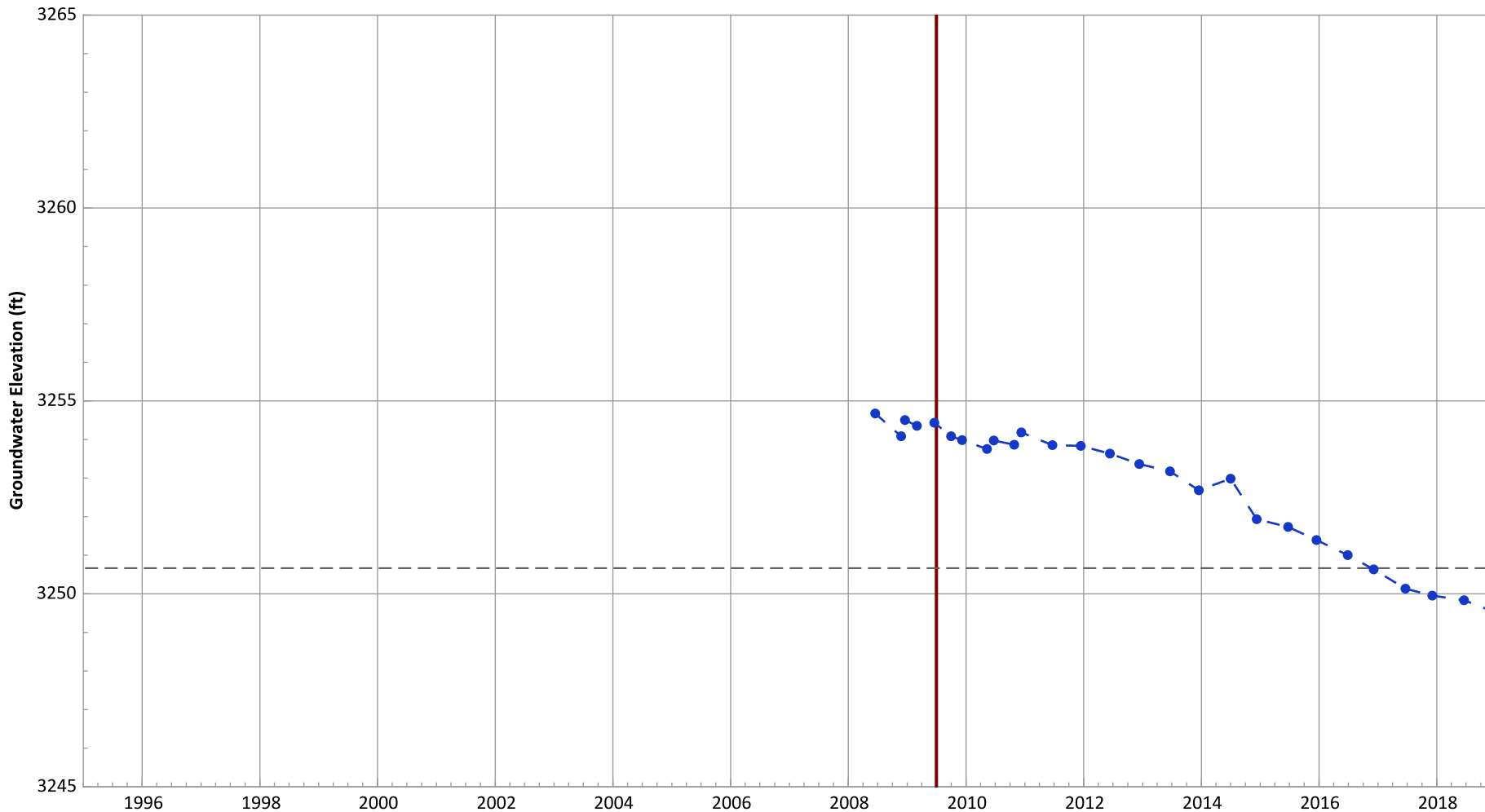
Notes:
 1. Top of screen elevation is 3265.22 ft msl.
 2. The bottom of screen elevation is 3250.22 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements. Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 0.45 ft/yr

**PTX06-1106 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**



Notes:

1. Top of screen elevation is 3265.67 ft msl.
 2. The bottom of screen elevation is 3250.67 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: 02/14/2019

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

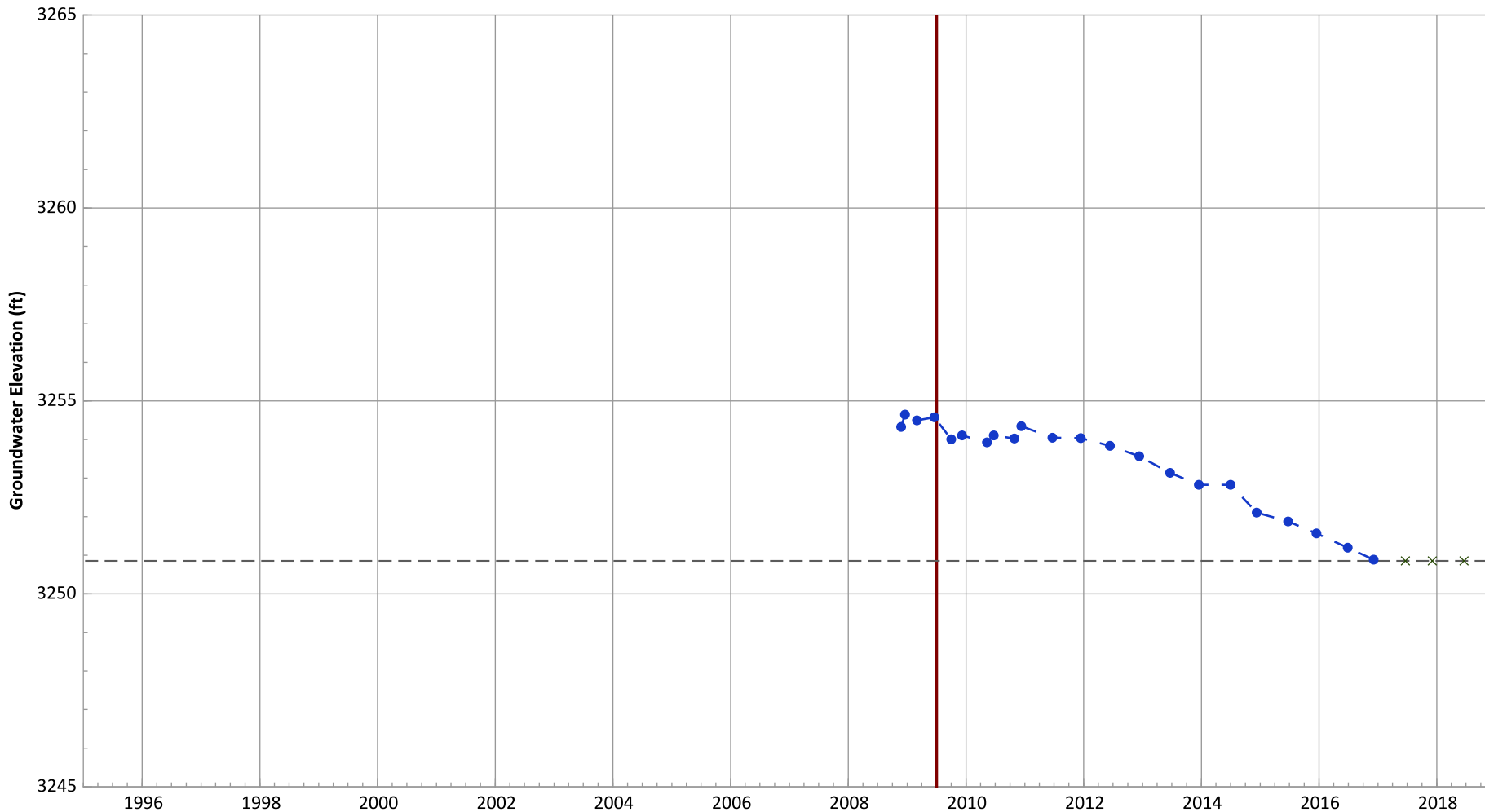
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.37 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.53 ft/yr

**PTX06-1107 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**



Notes:

1. Top of screen elevation is 3262.85 ft msl.
 2. The bottom of screen elevation is 3250.85 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: 02/14/2019

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

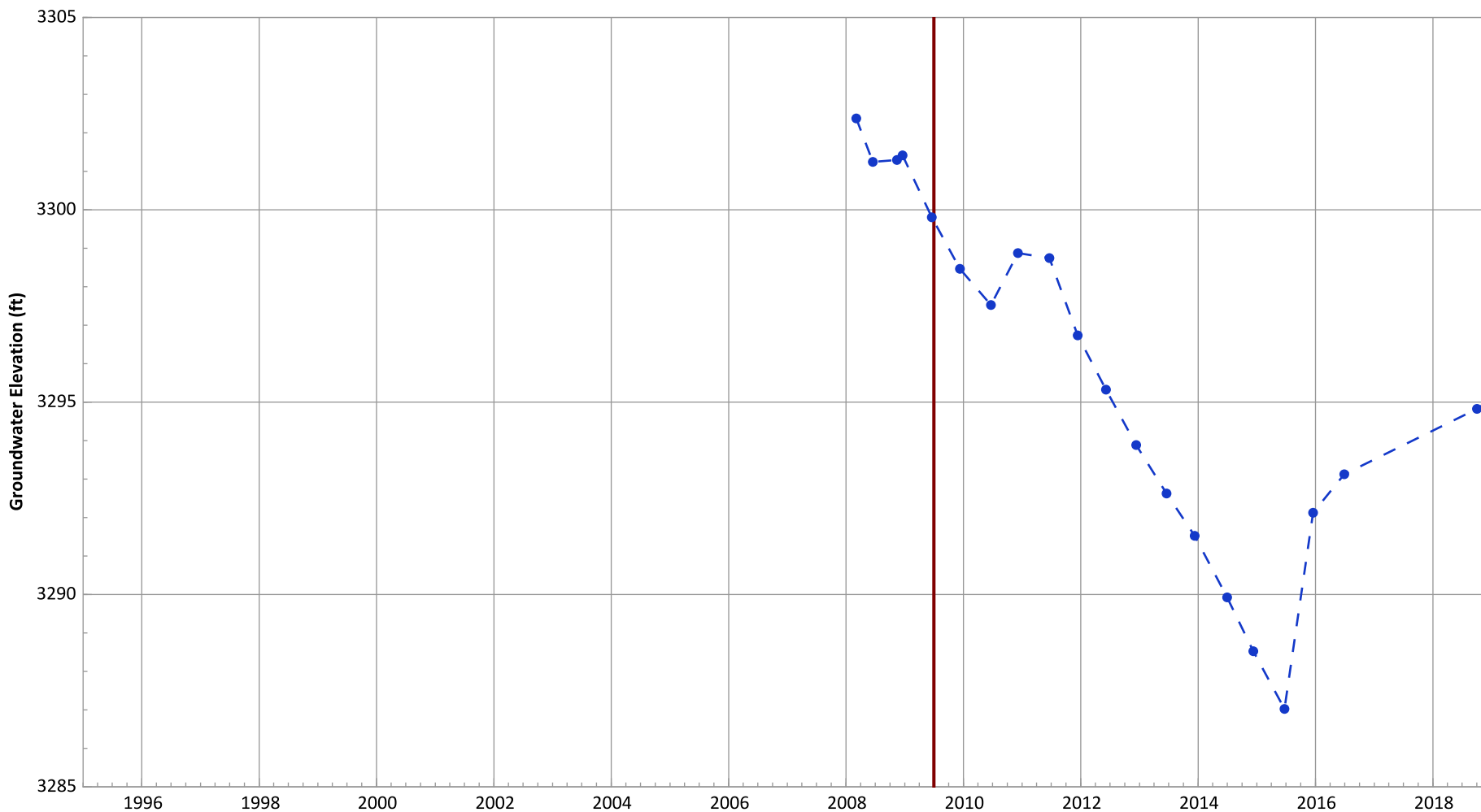
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 0.46 ft/yr

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

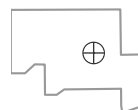


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

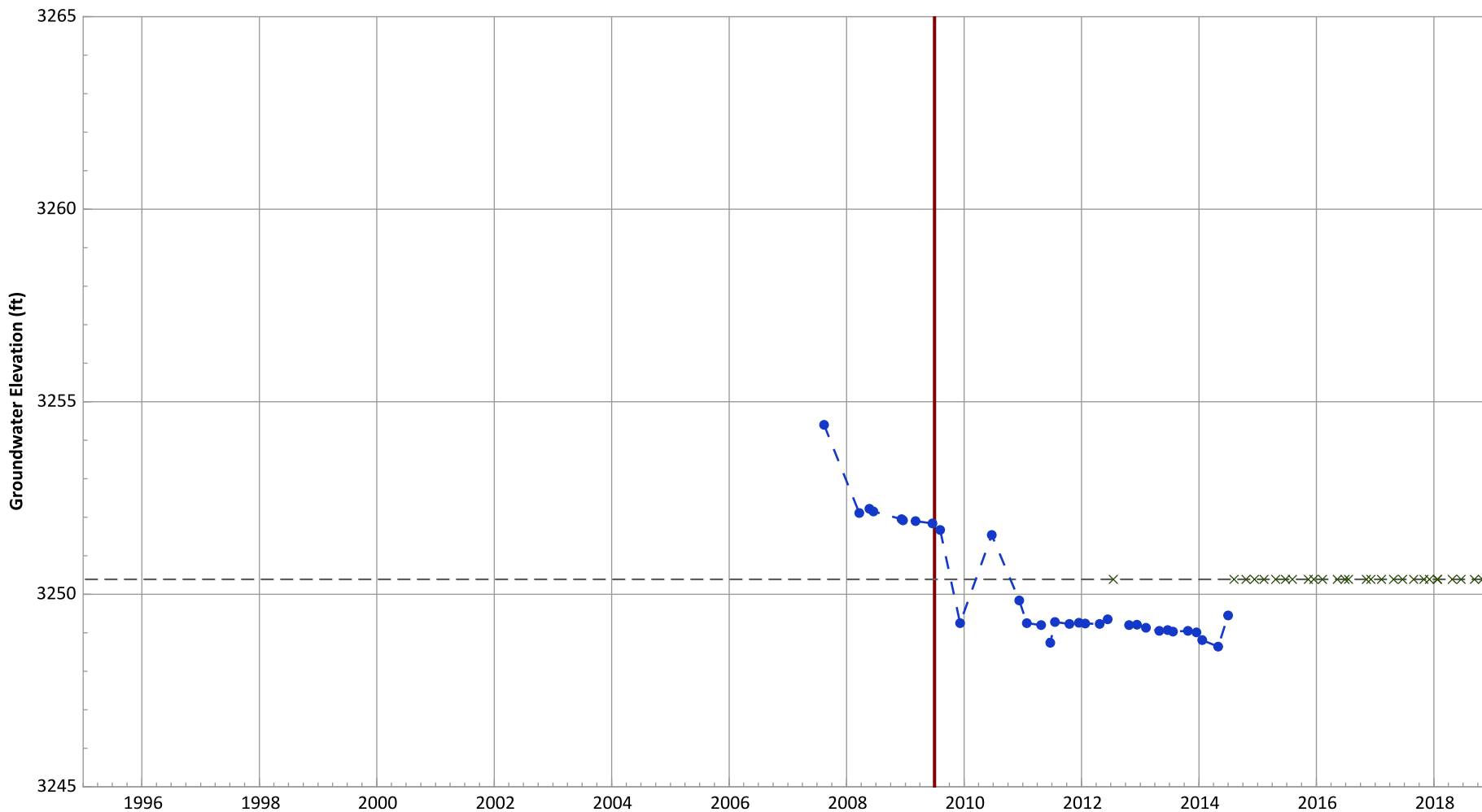
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (<3 Measurements)
 Data (7/2009 - 12/2018): Decreasing at 0.69 ft/yr

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

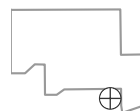


Notes:

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: 02/14/2019

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

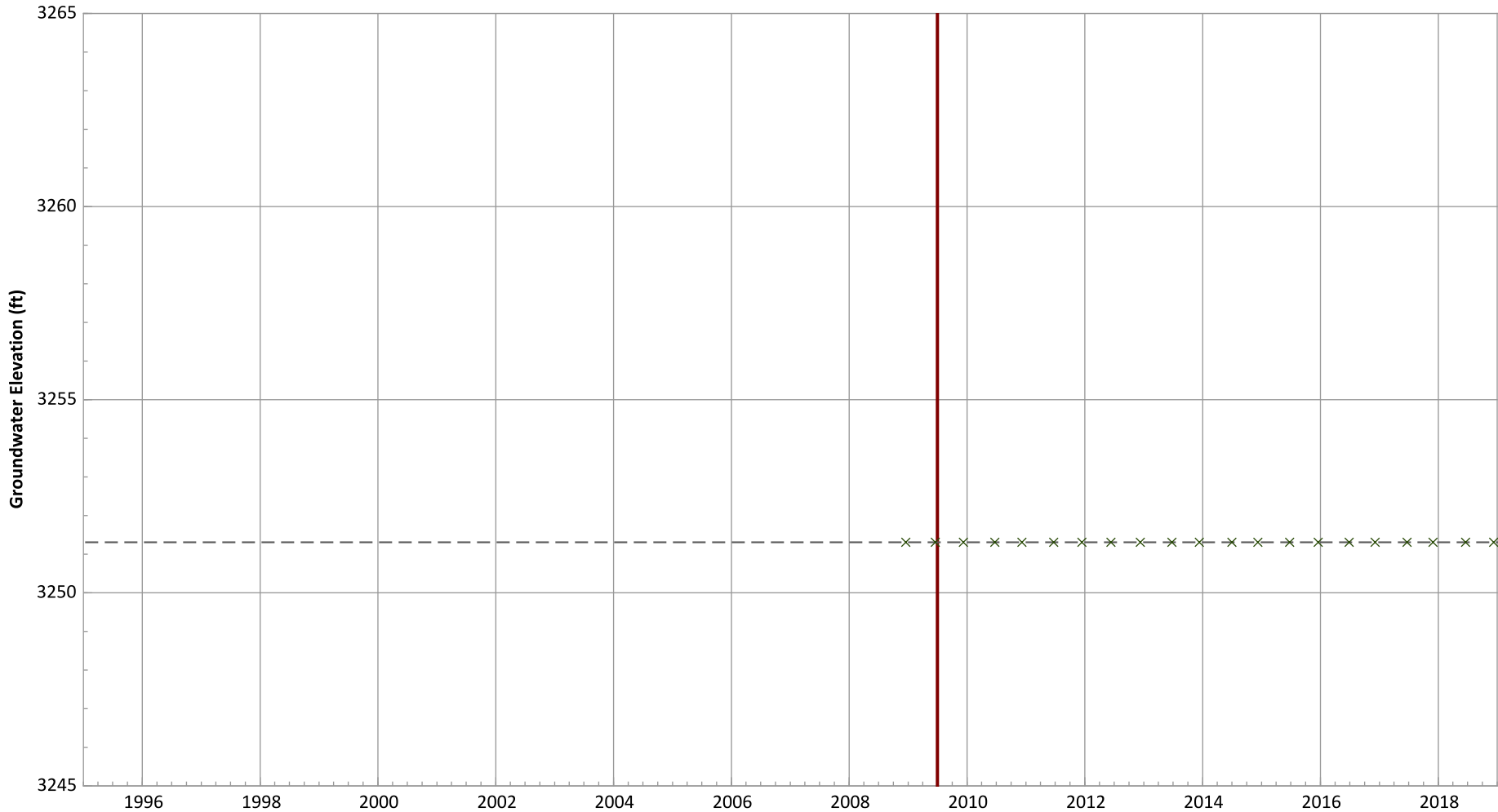
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 0.32 ft/yr

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



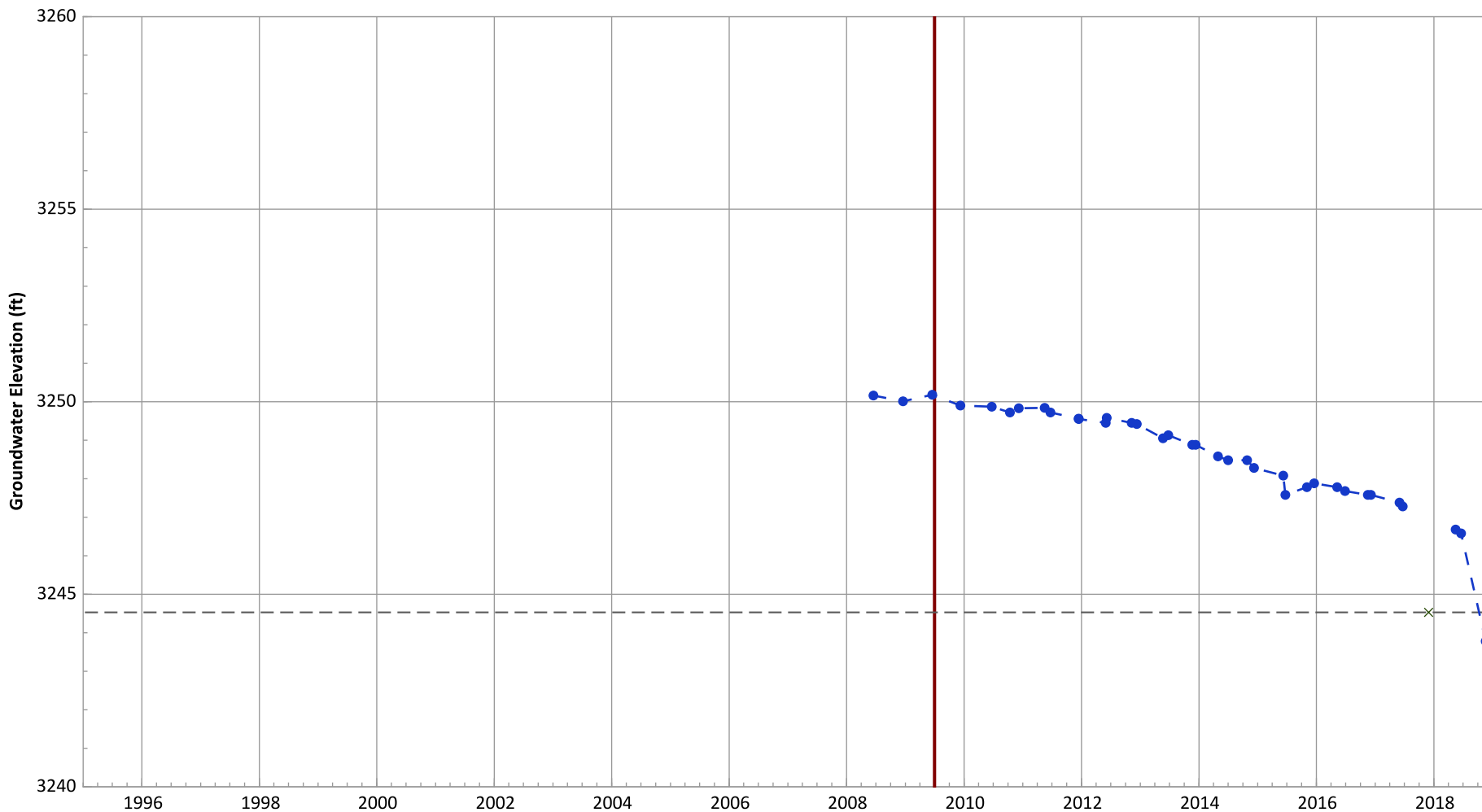
Notes:
 1. Top of screen elevation is 3261.31 ft msl.
 2. The bottom of screen elevation is 3251.31 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
 Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

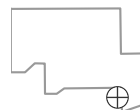


Notes:

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: 02/14/2019

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

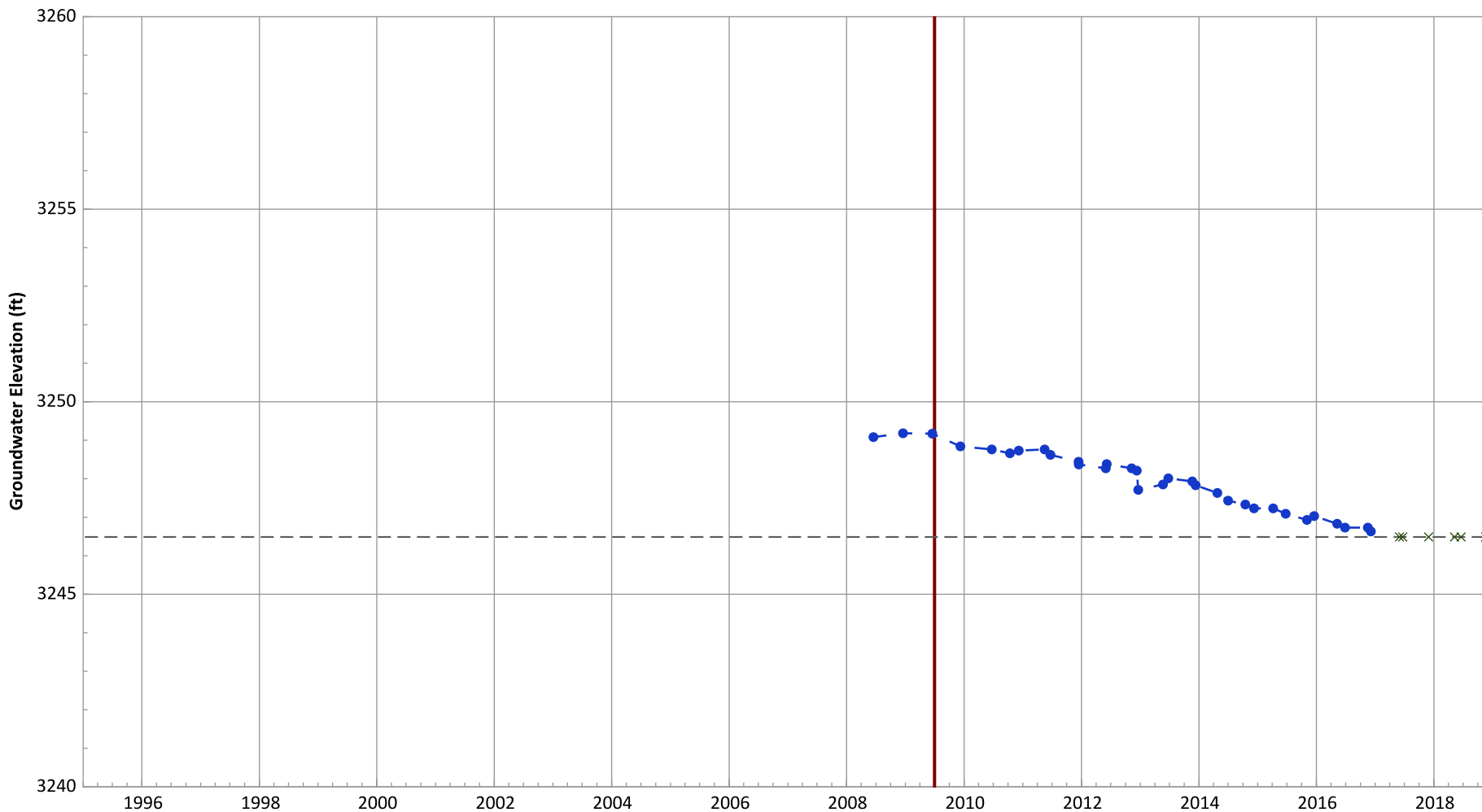
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.2 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.53 ft/yr

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

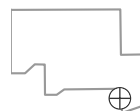


Notes:

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: 02/14/2019

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

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 0.35 ft/yr

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

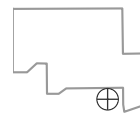


Notes:

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: 02/14/2019

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

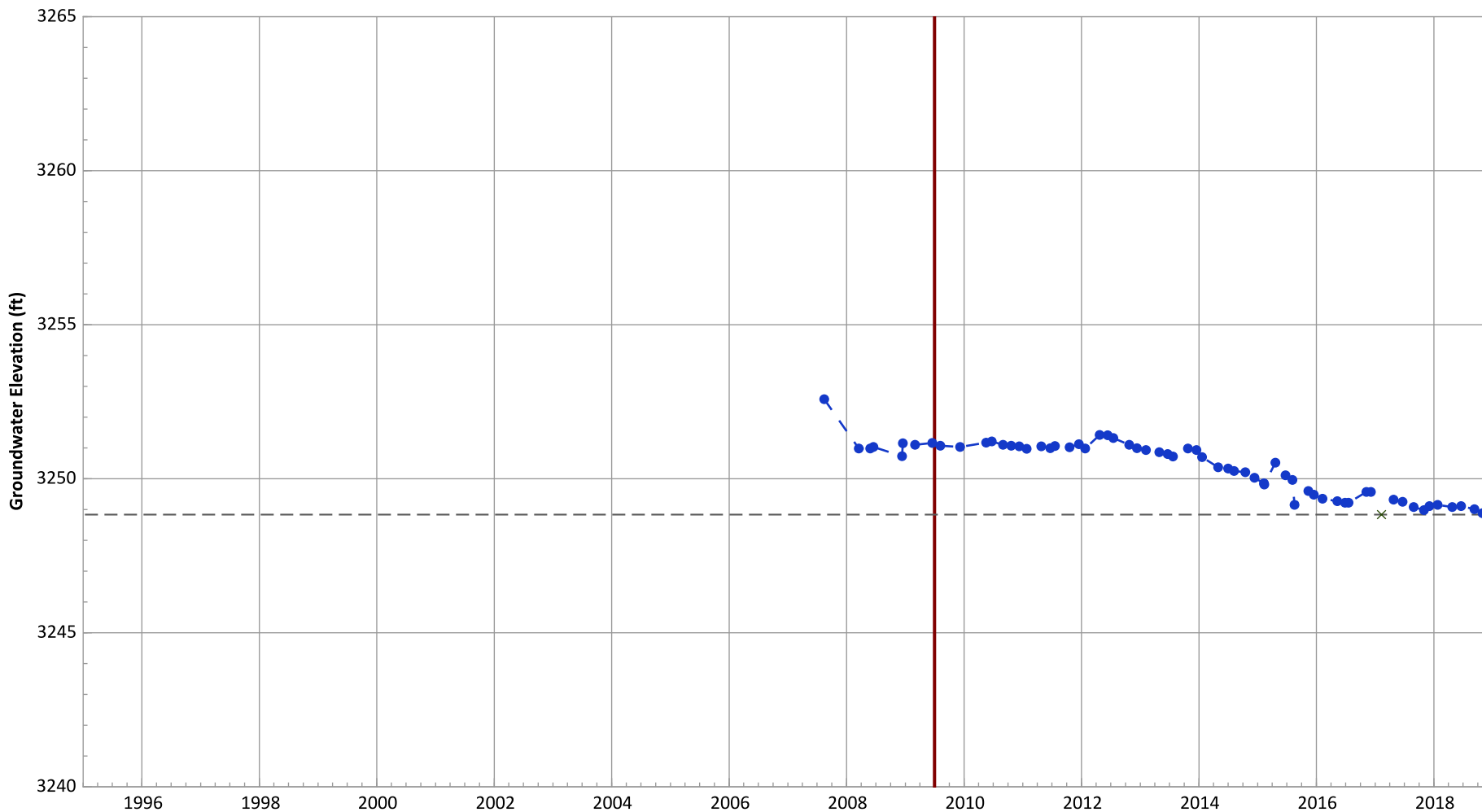
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

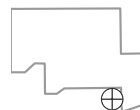


Notes:

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: 02/14/2019

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

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.23 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.3 ft/yr

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

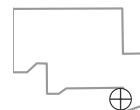


Notes:

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: 02/14/2019

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

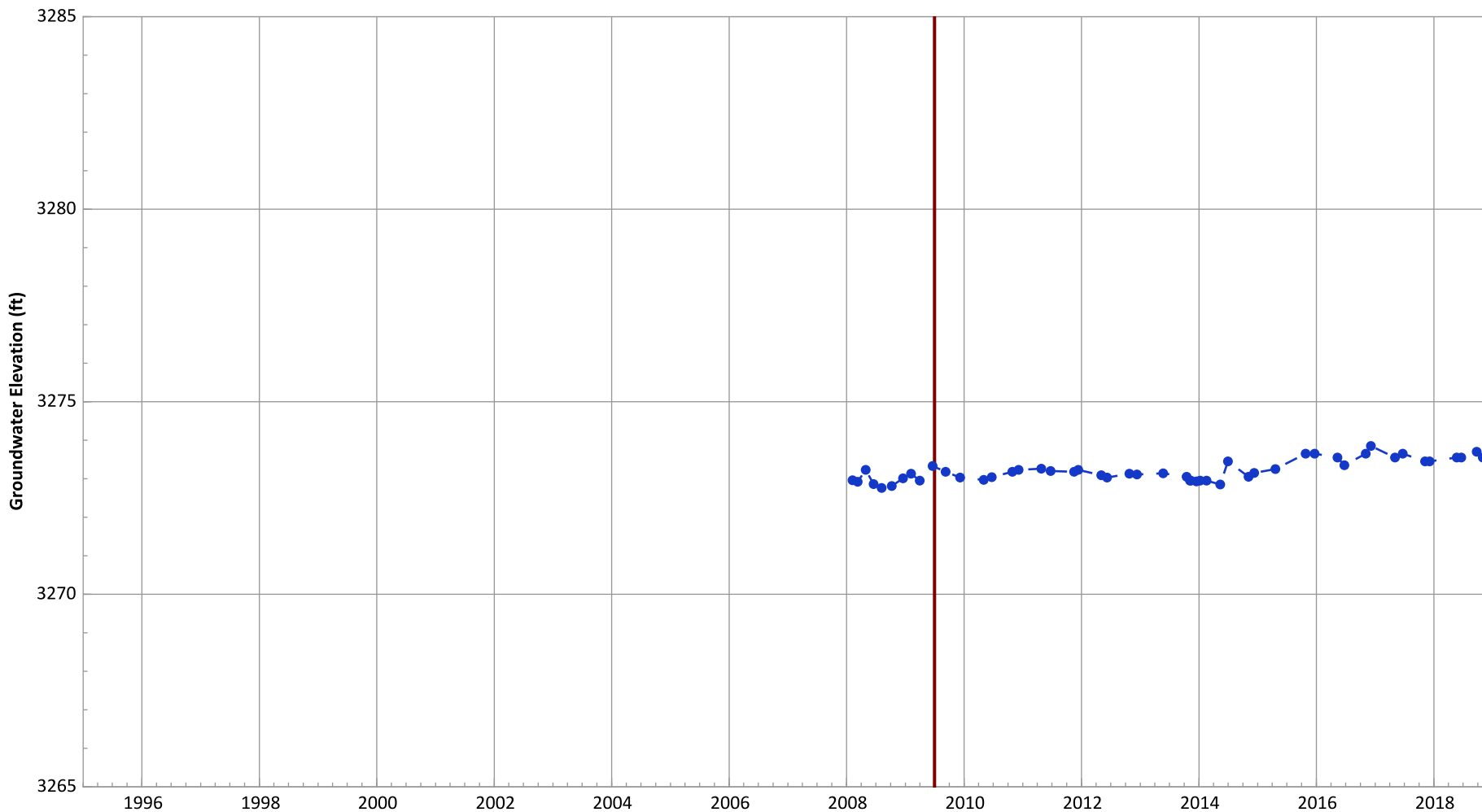
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

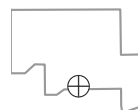


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

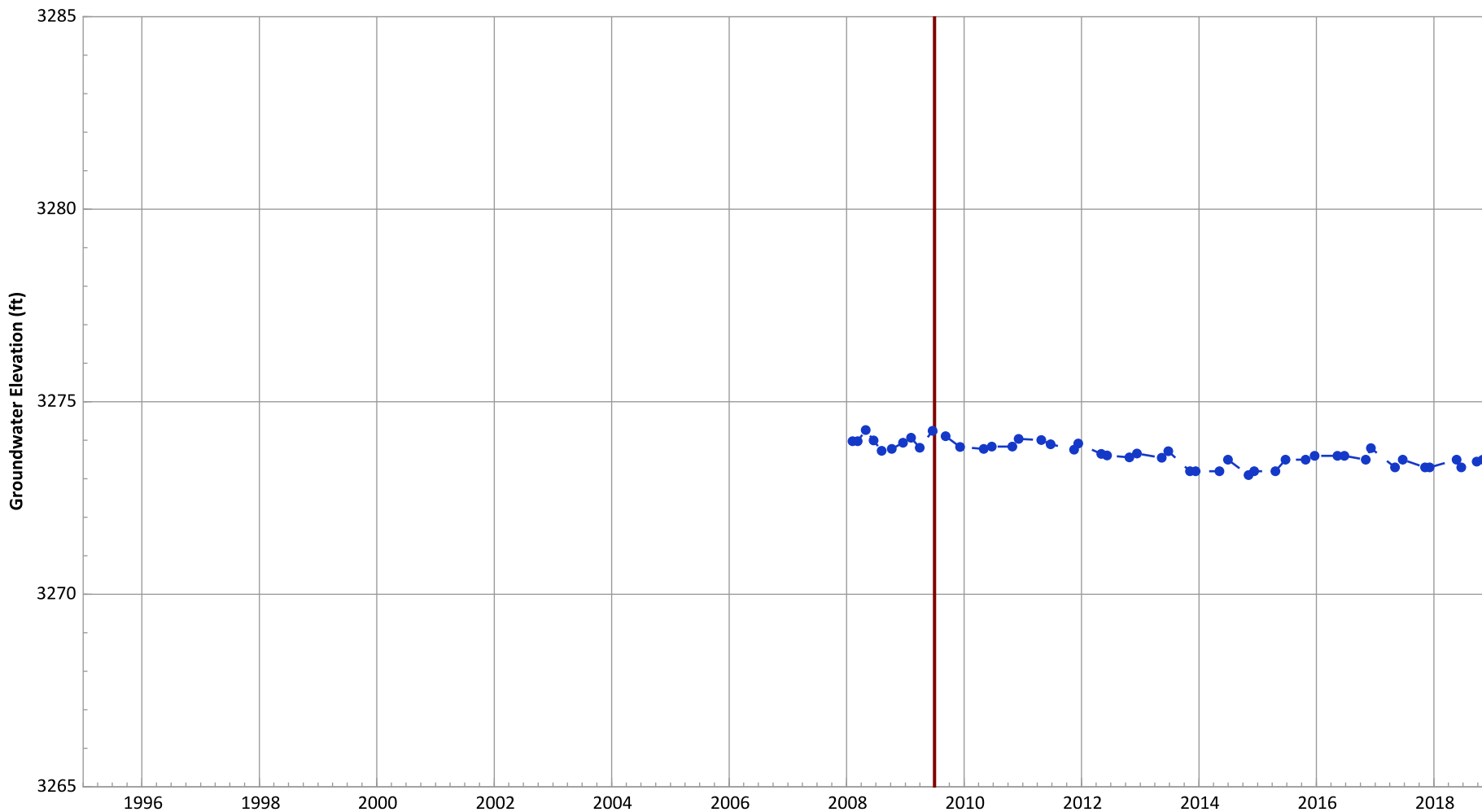
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.1 ft/yr
 Data (7/2009 - 12/2018): No Trend

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

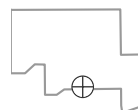


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

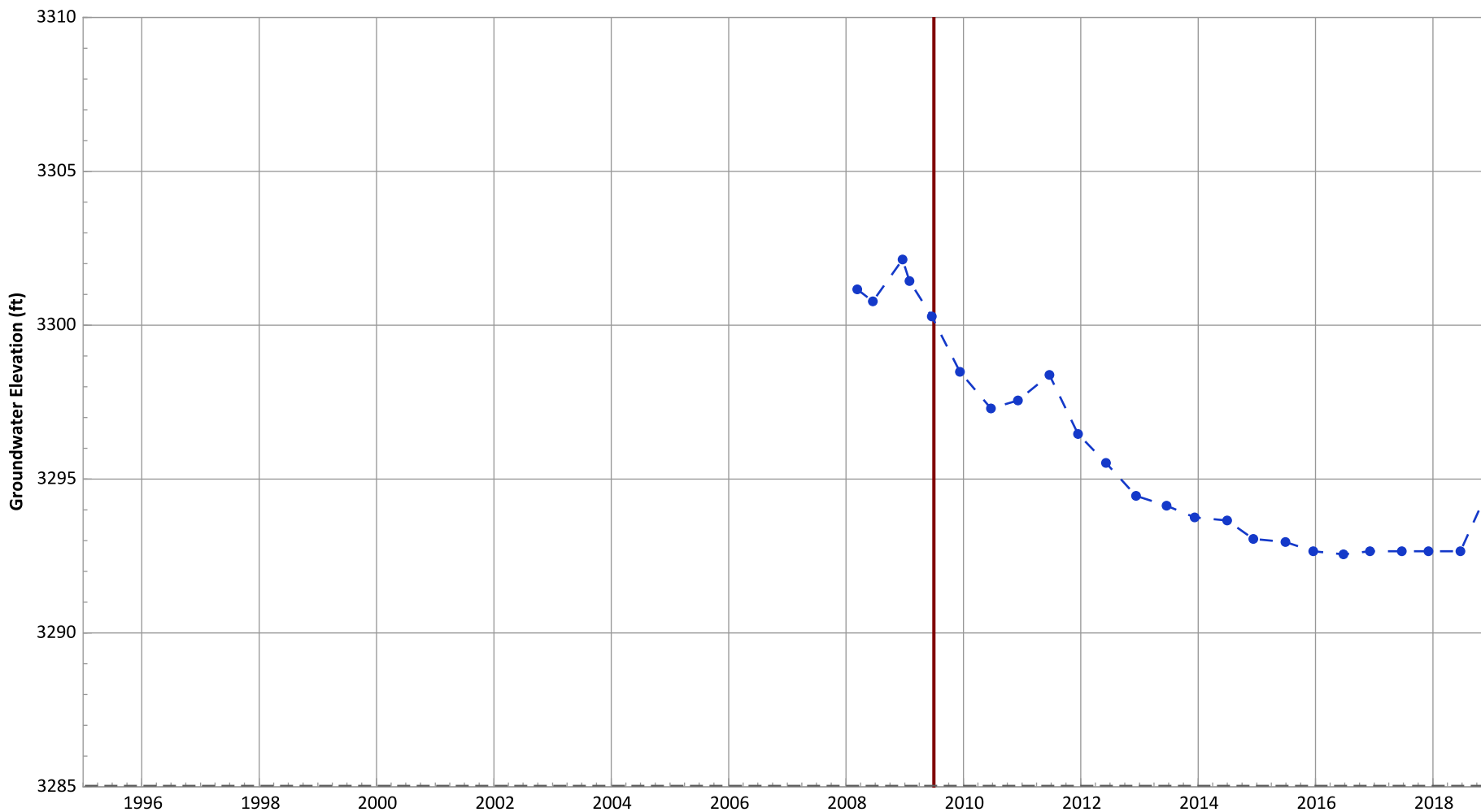
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.11 ft/yr
 Data (7/2009 - 12/2018): 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: 02/14/2019

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

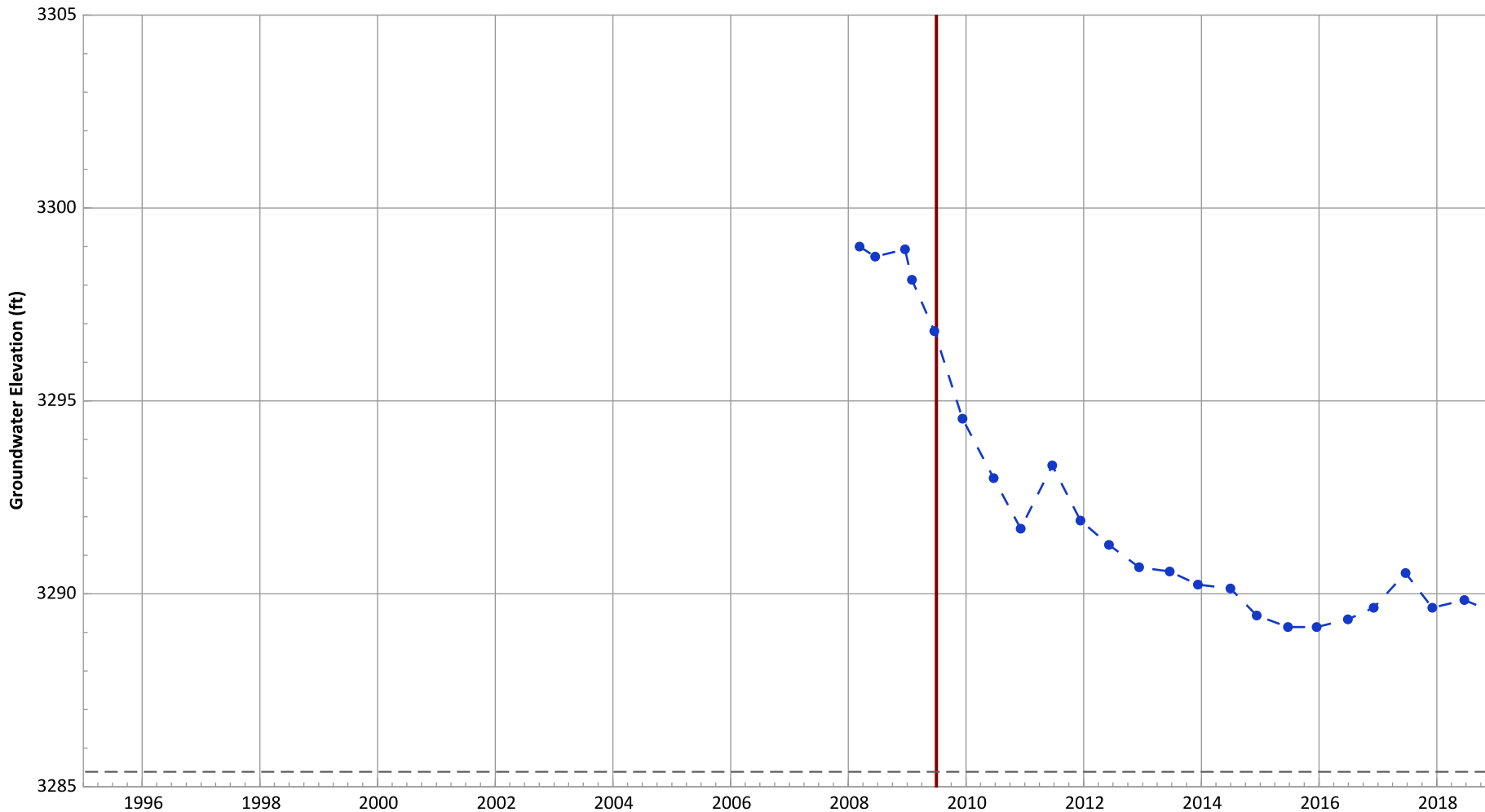
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.2 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.63 ft/yr

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

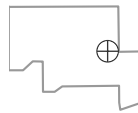


Notes:

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: 02/14/2019

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

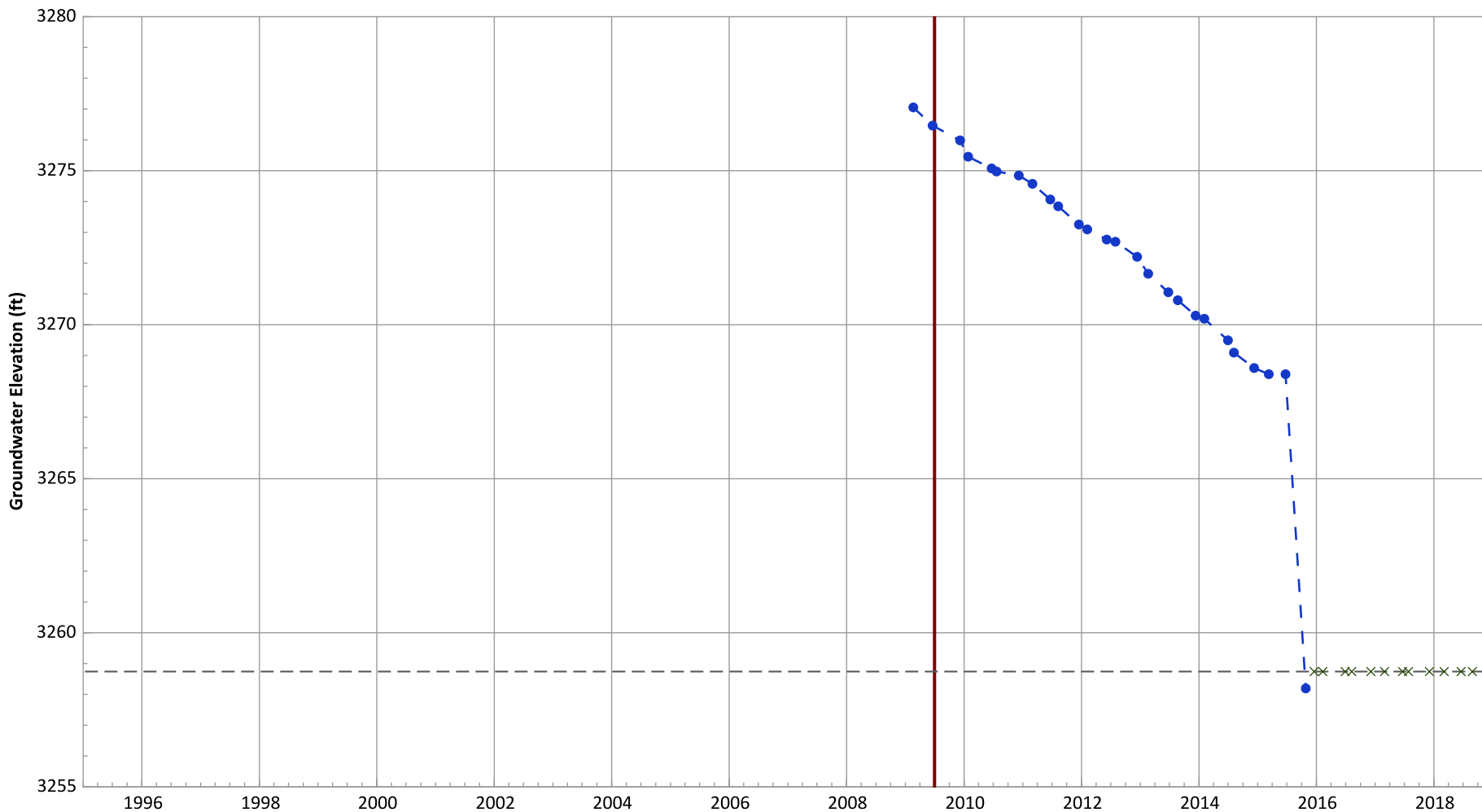
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.55 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.45 ft/yr

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

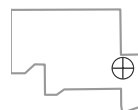


Notes:

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: 02/14/2019

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

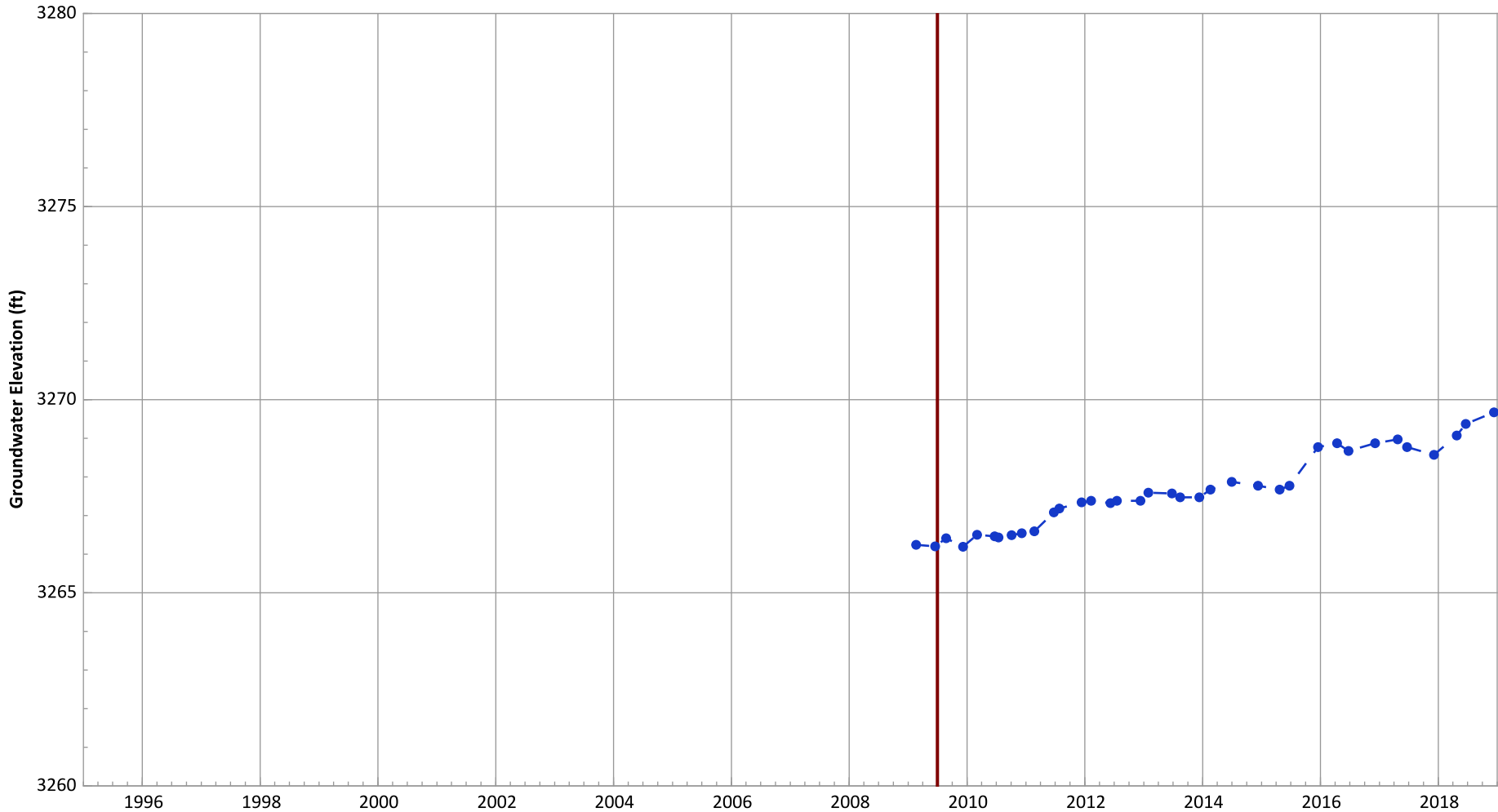
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 1.82 ft/yr

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



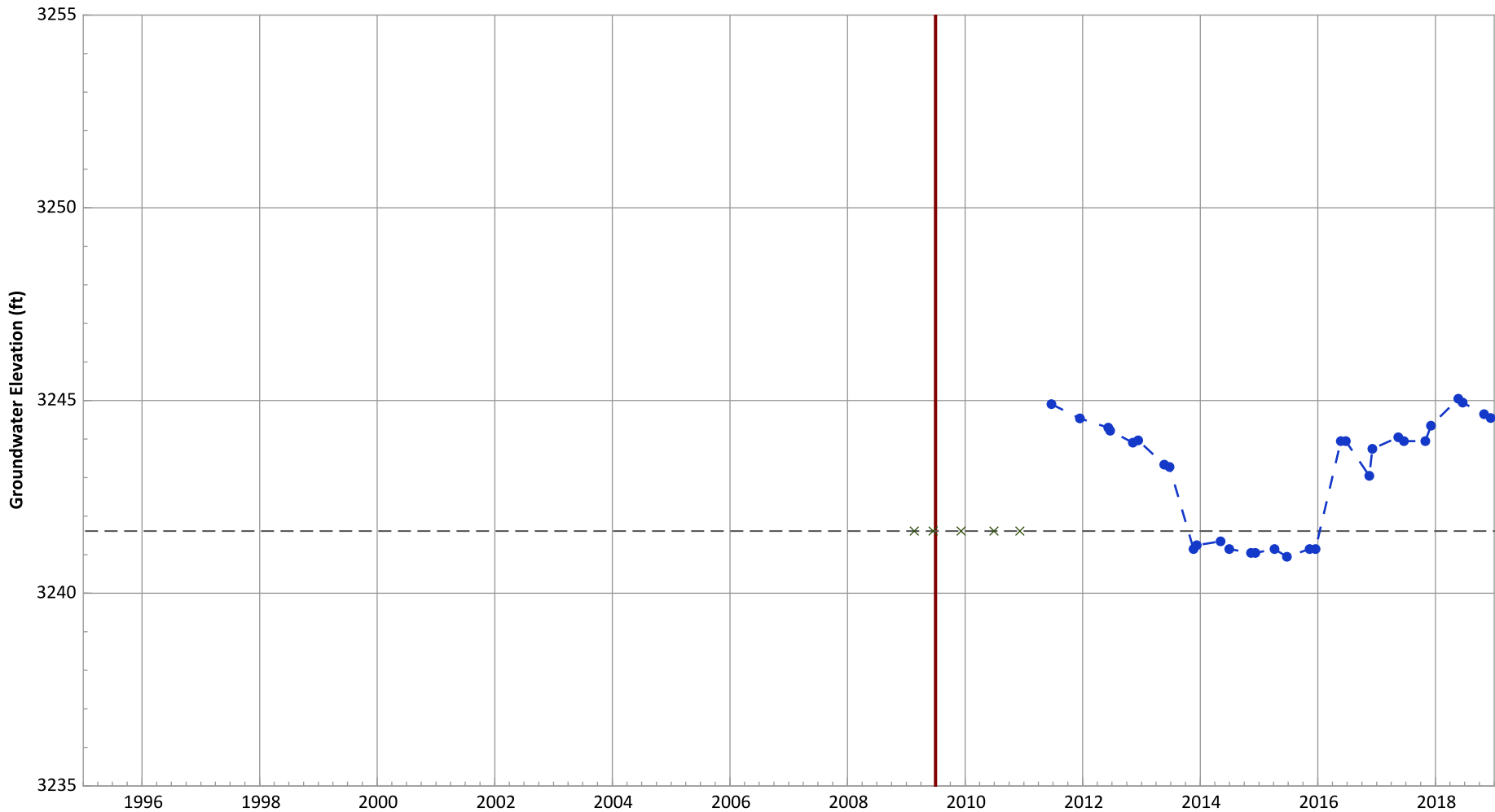
Notes:
 1. Top of screen elevation is 3278.81 ft msl.
 2. The bottom of screen elevation is 3258.81 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
 Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.5 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.33 ft/yr

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



Notes:

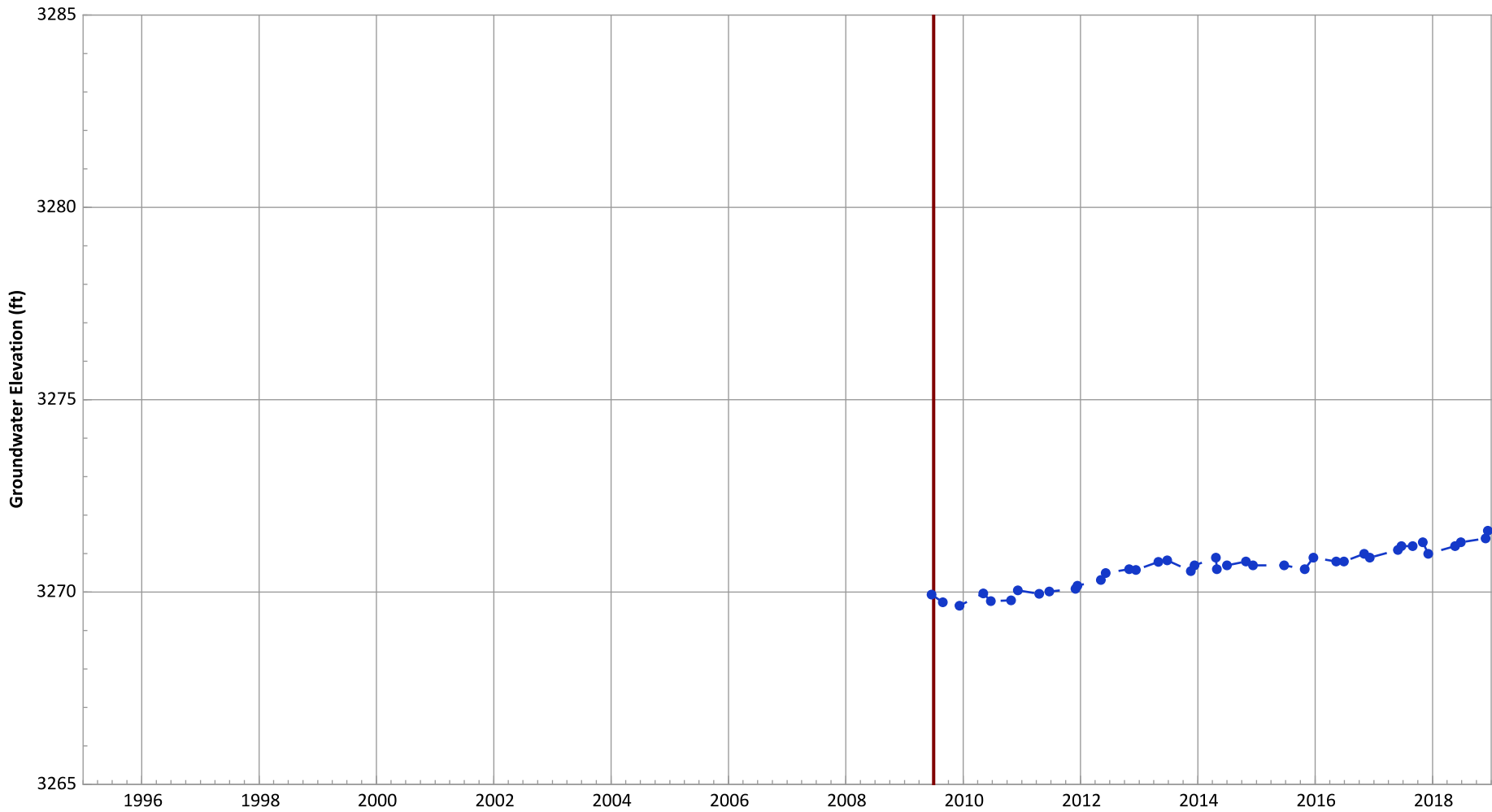
1. Top of screen elevation is 3256.61 ft msl.
 2. The bottom of screen elevation is 3241.61 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
Actual groundwater elevations between measurements may be different than shown.
- Analysis Date: 02/14/2019

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



Hydrograph Trend
(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.55 ft/yr
Data (7/2009 - 12/2018): Increasing at 0.13 ft/yr

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

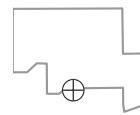


Notes:

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: 02/14/2019

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

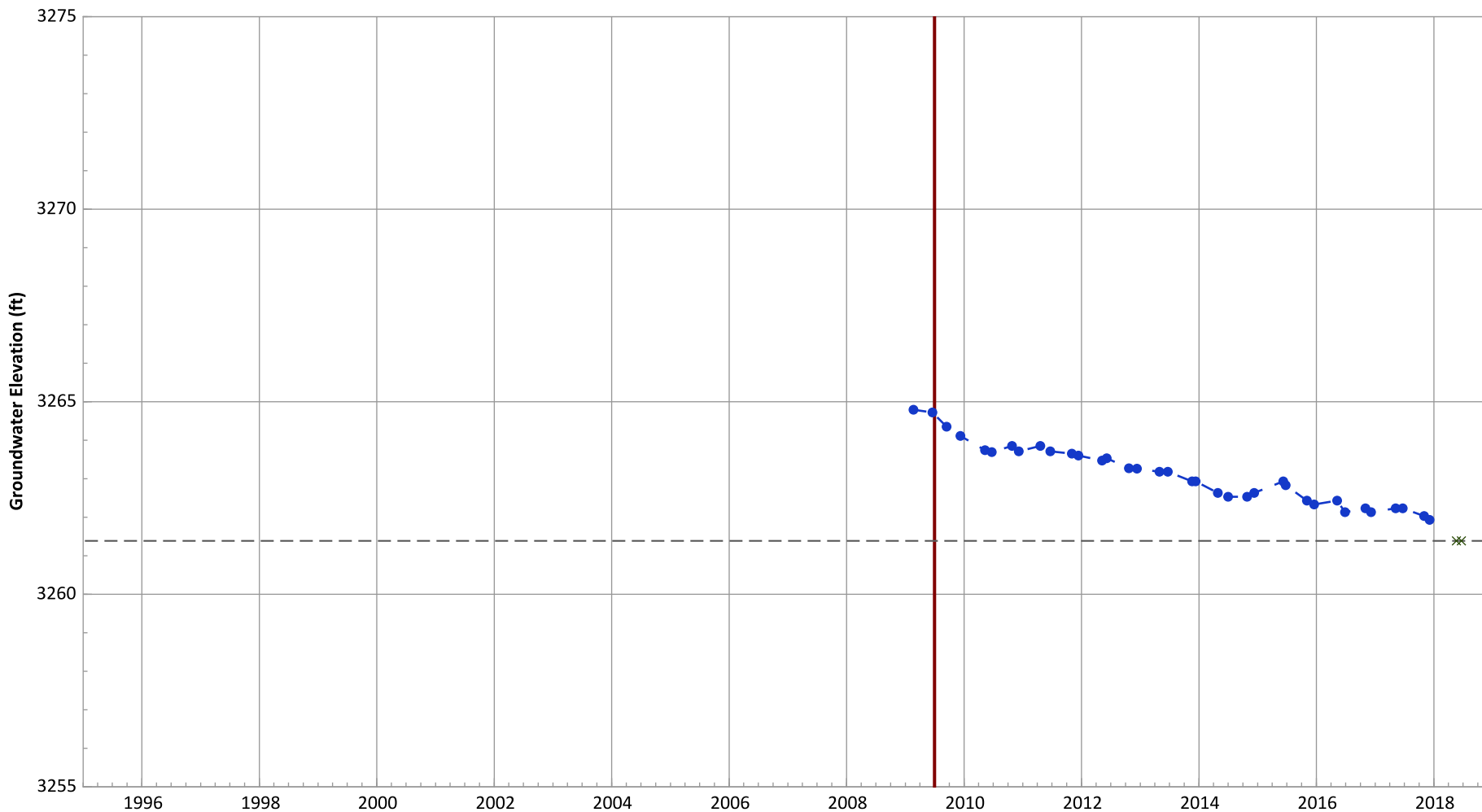
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.22 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.17 ft/yr

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

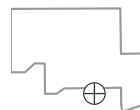


Notes:

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: 02/14/2019

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

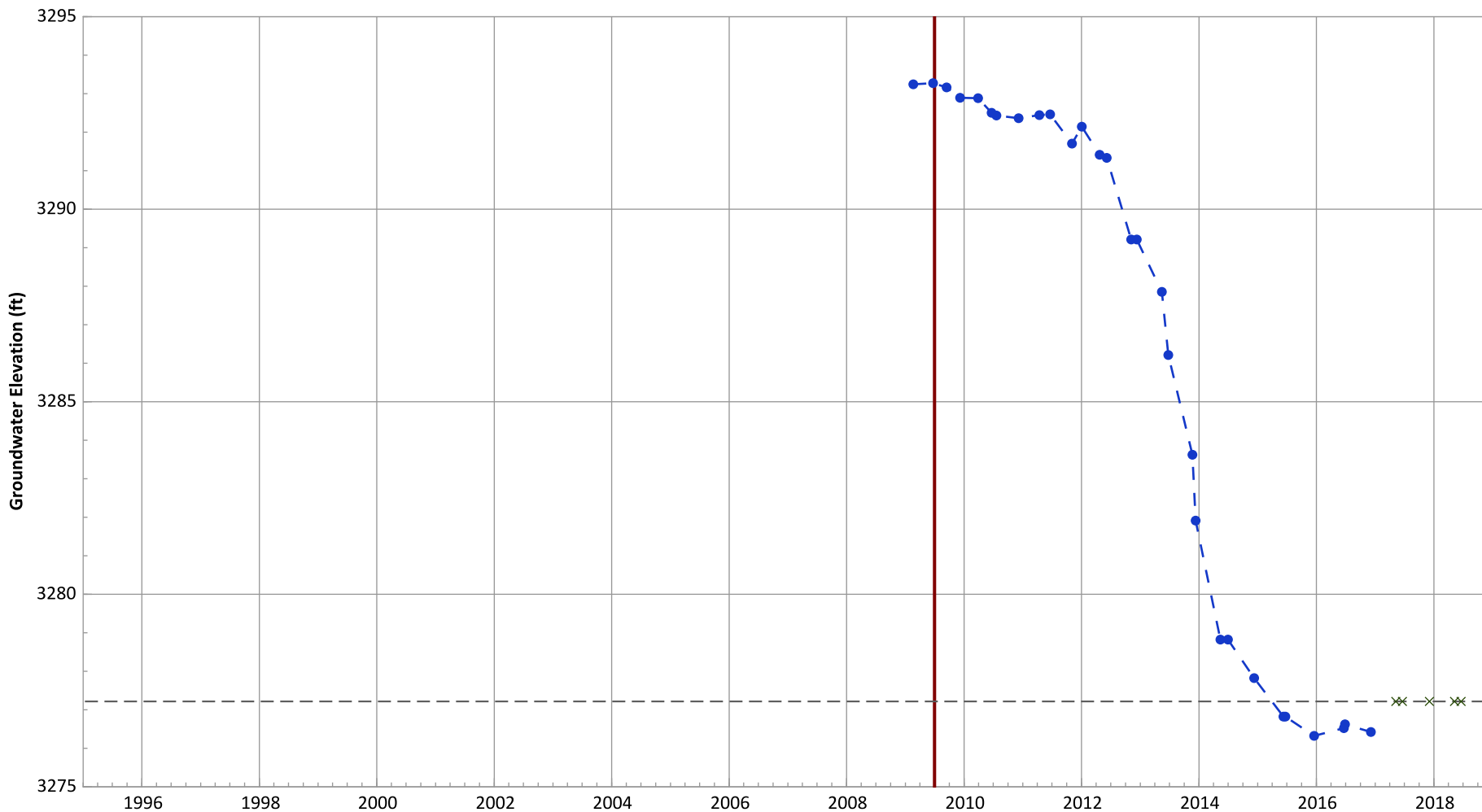
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.52 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.27 ft/yr

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

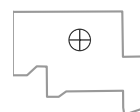


Notes:

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: 02/14/2019

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

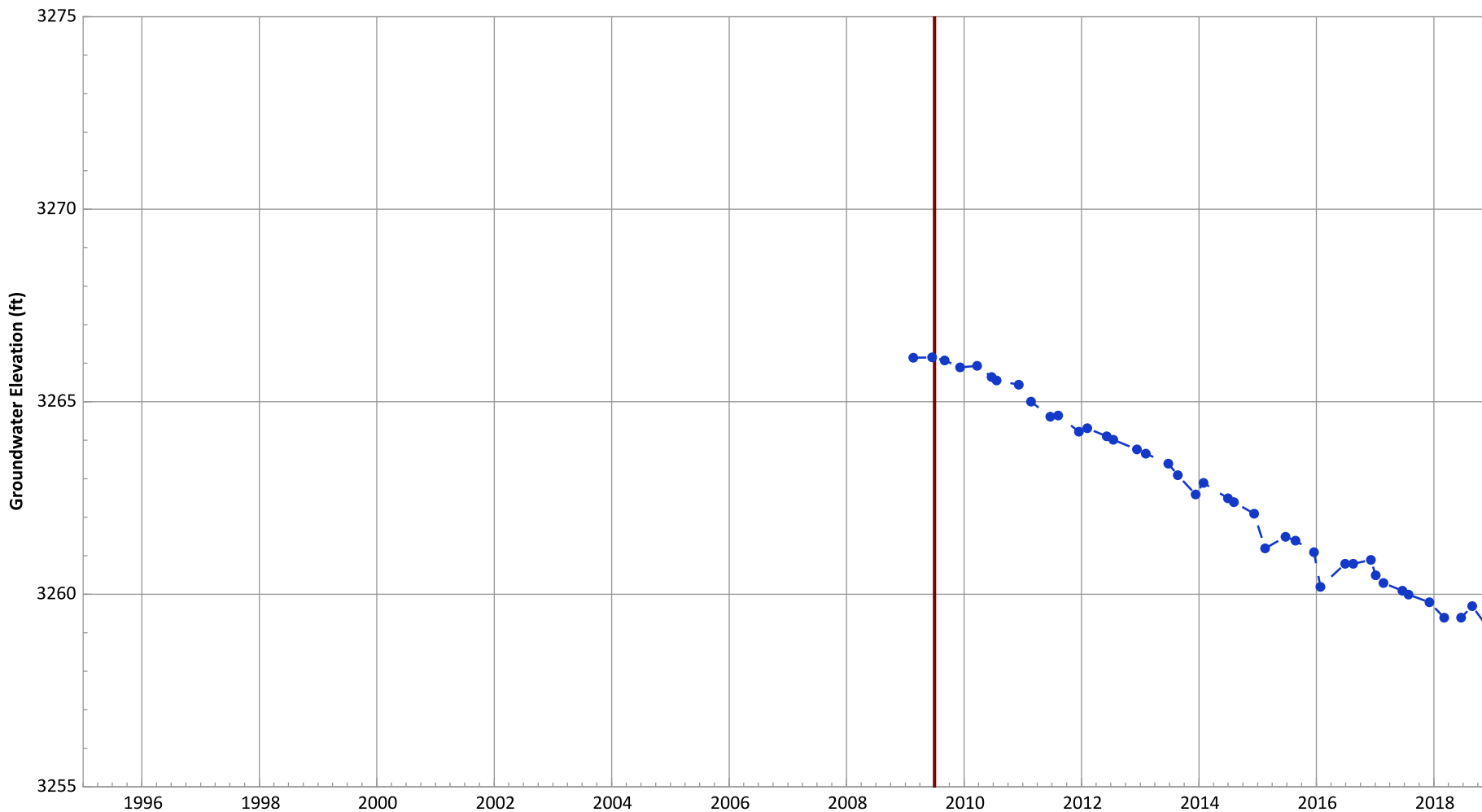
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 2.99 ft/yr

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

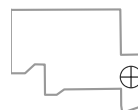


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

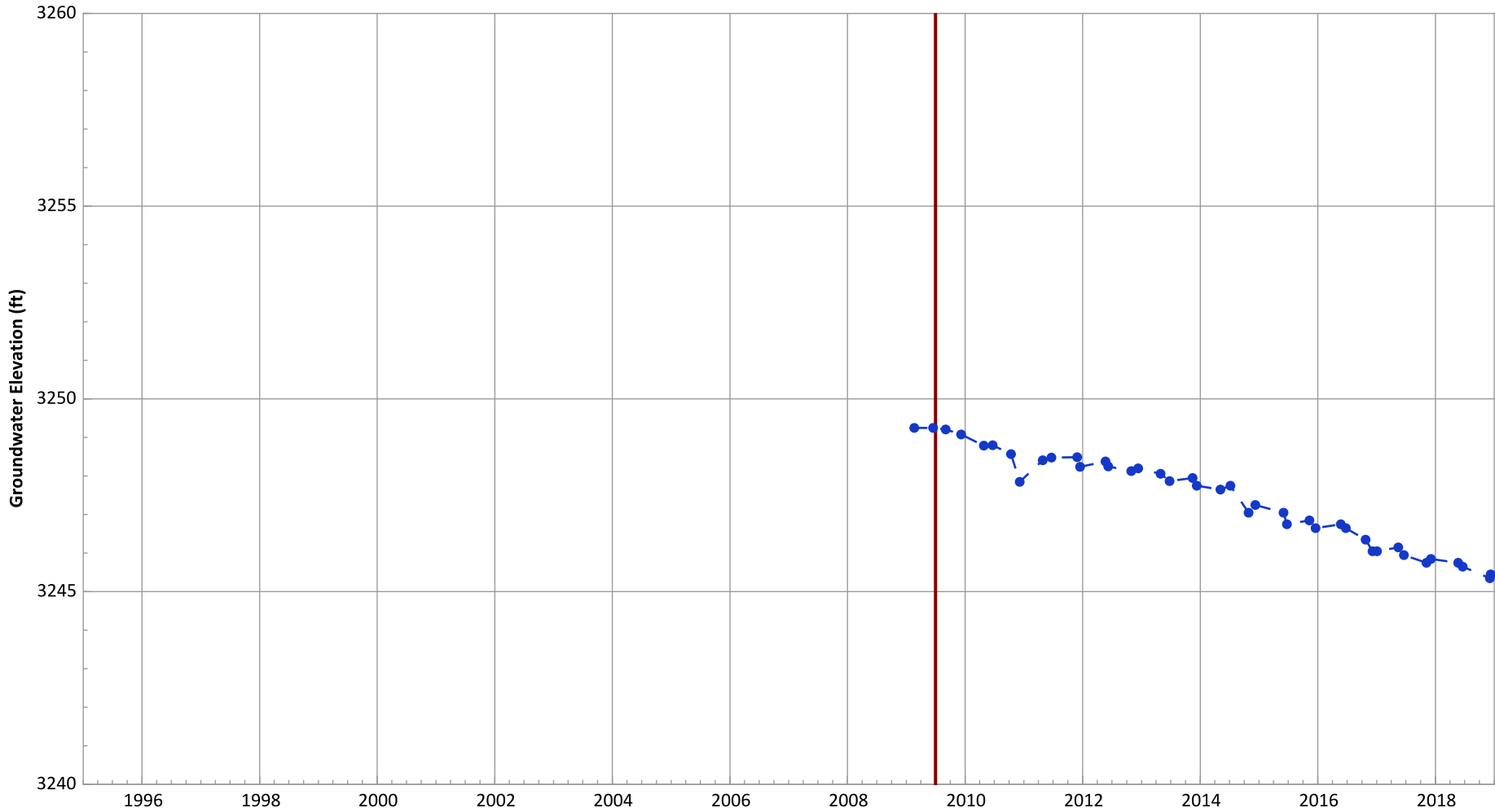
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.63 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.78 ft/yr

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

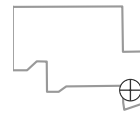


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

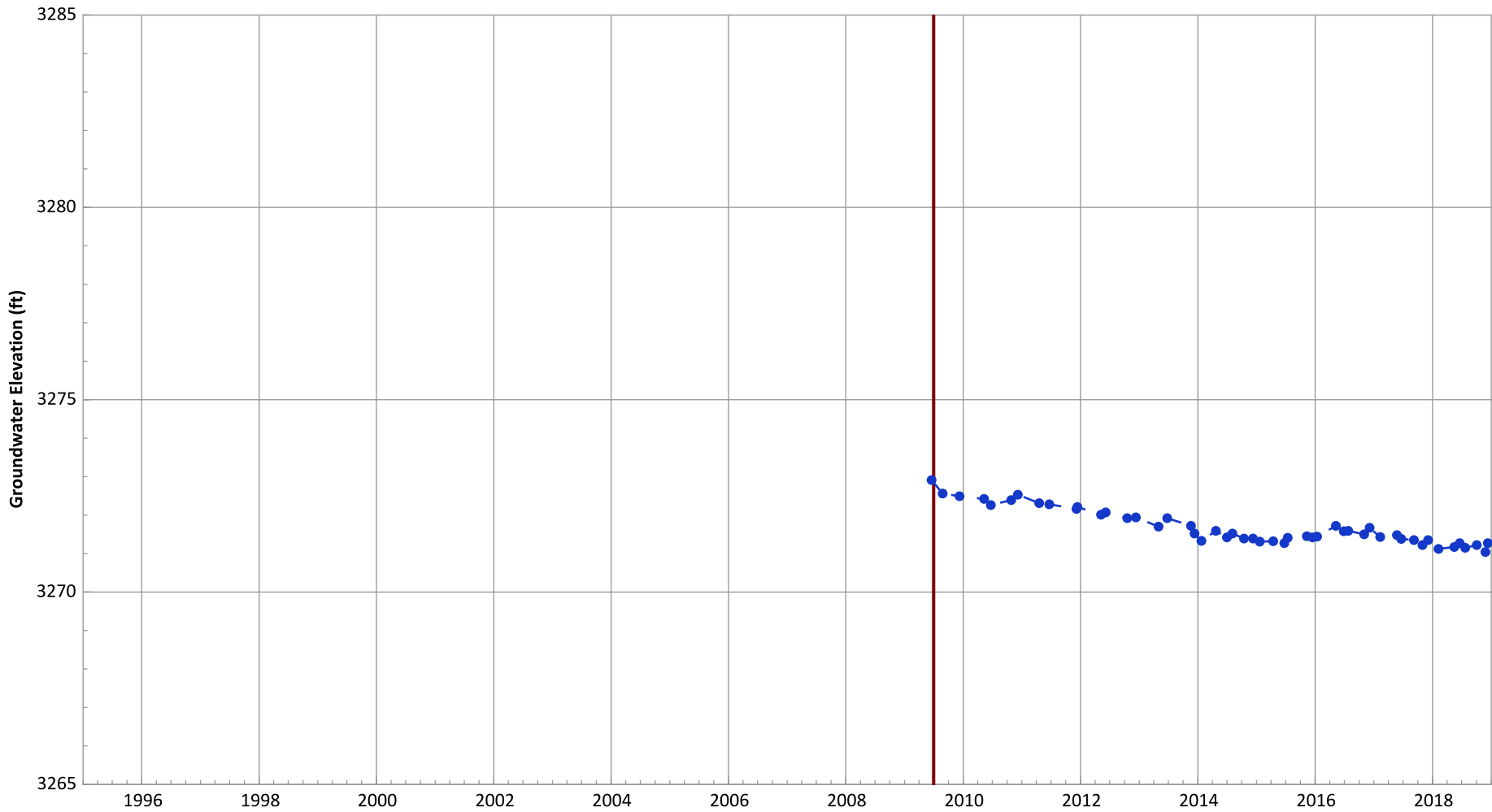
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.36 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.4 ft/yr

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

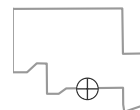


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

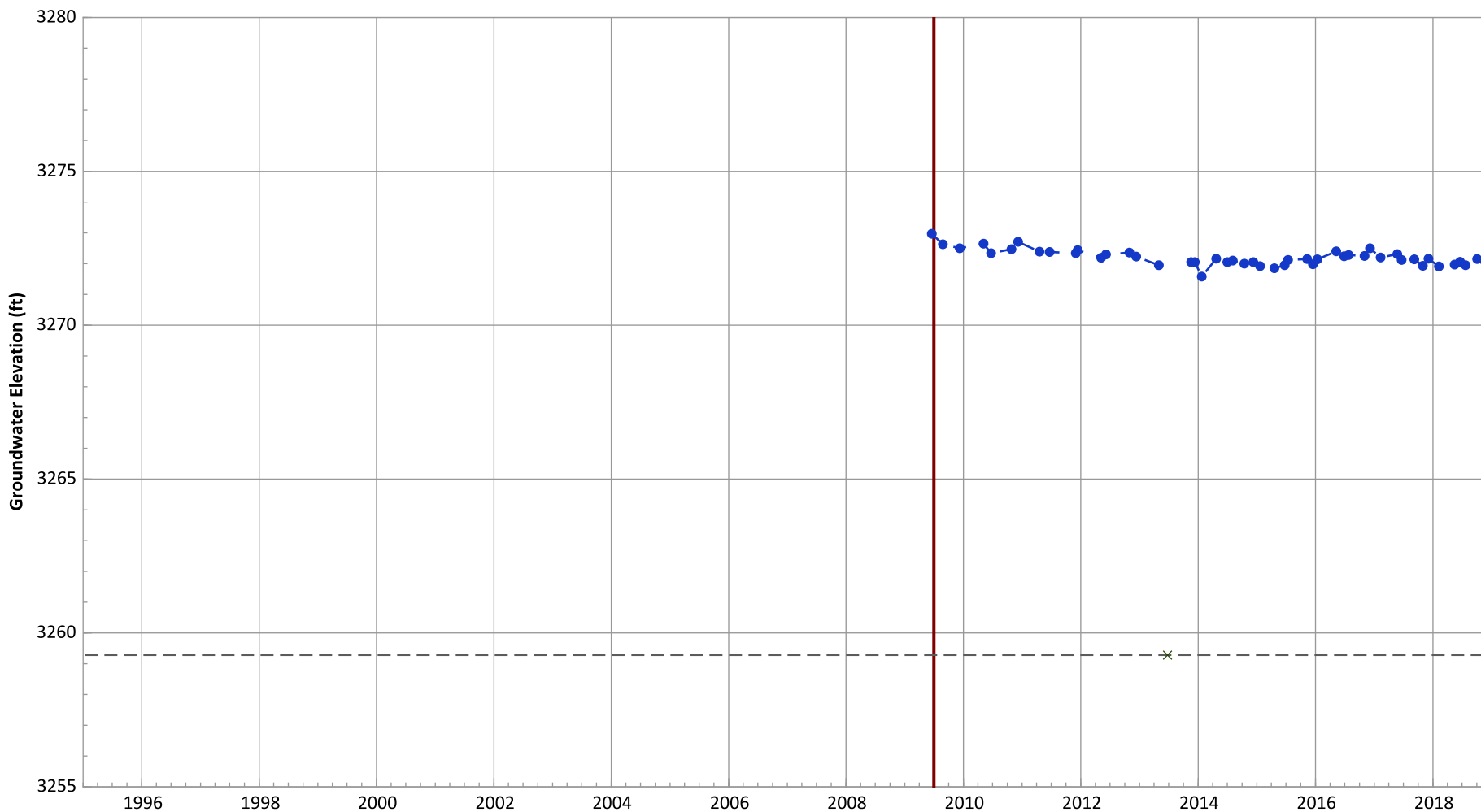
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.16 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.14 ft/yr

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

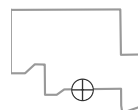


Notes:

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: 02/14/2019

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

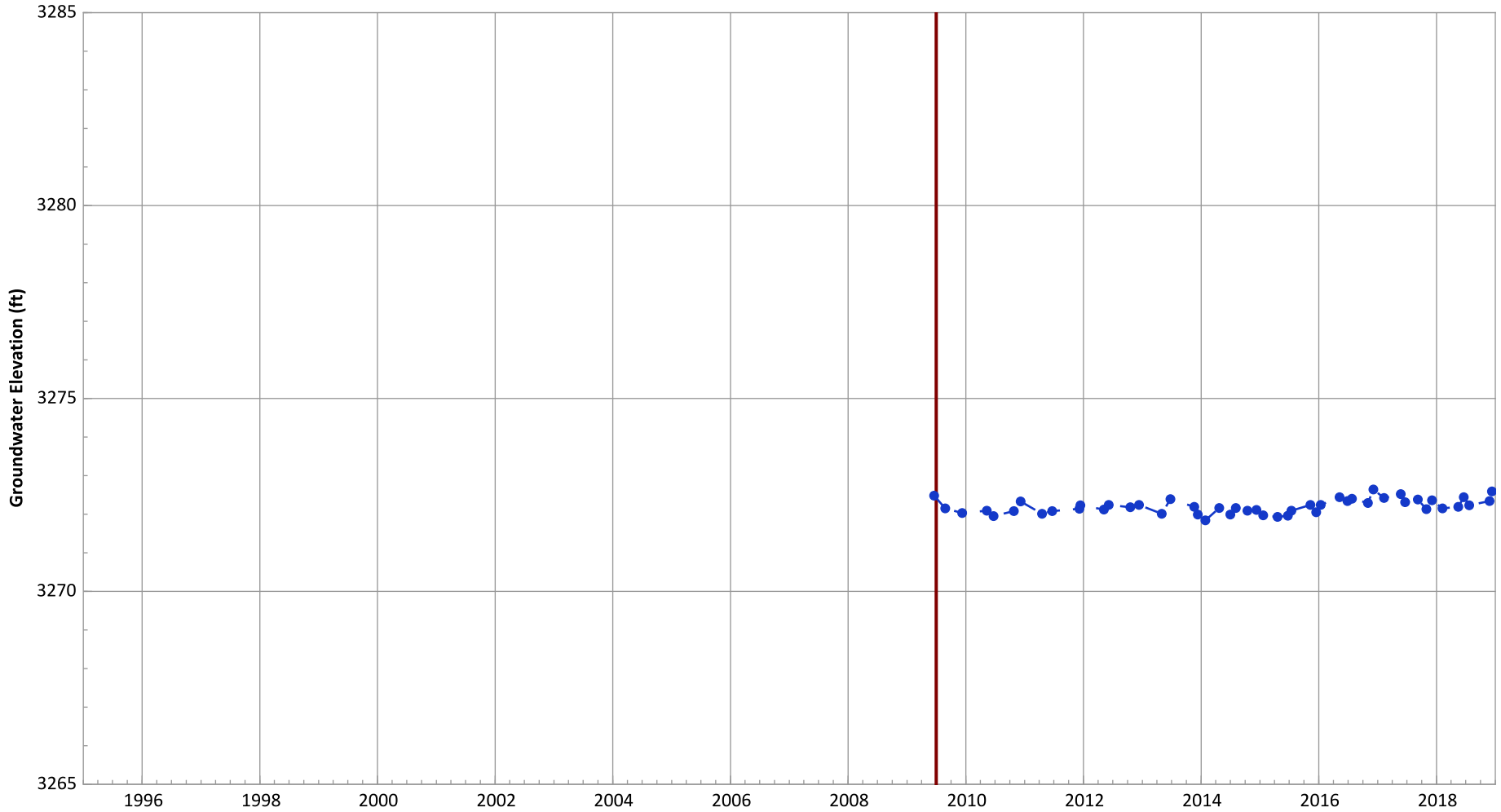
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): No Trend

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



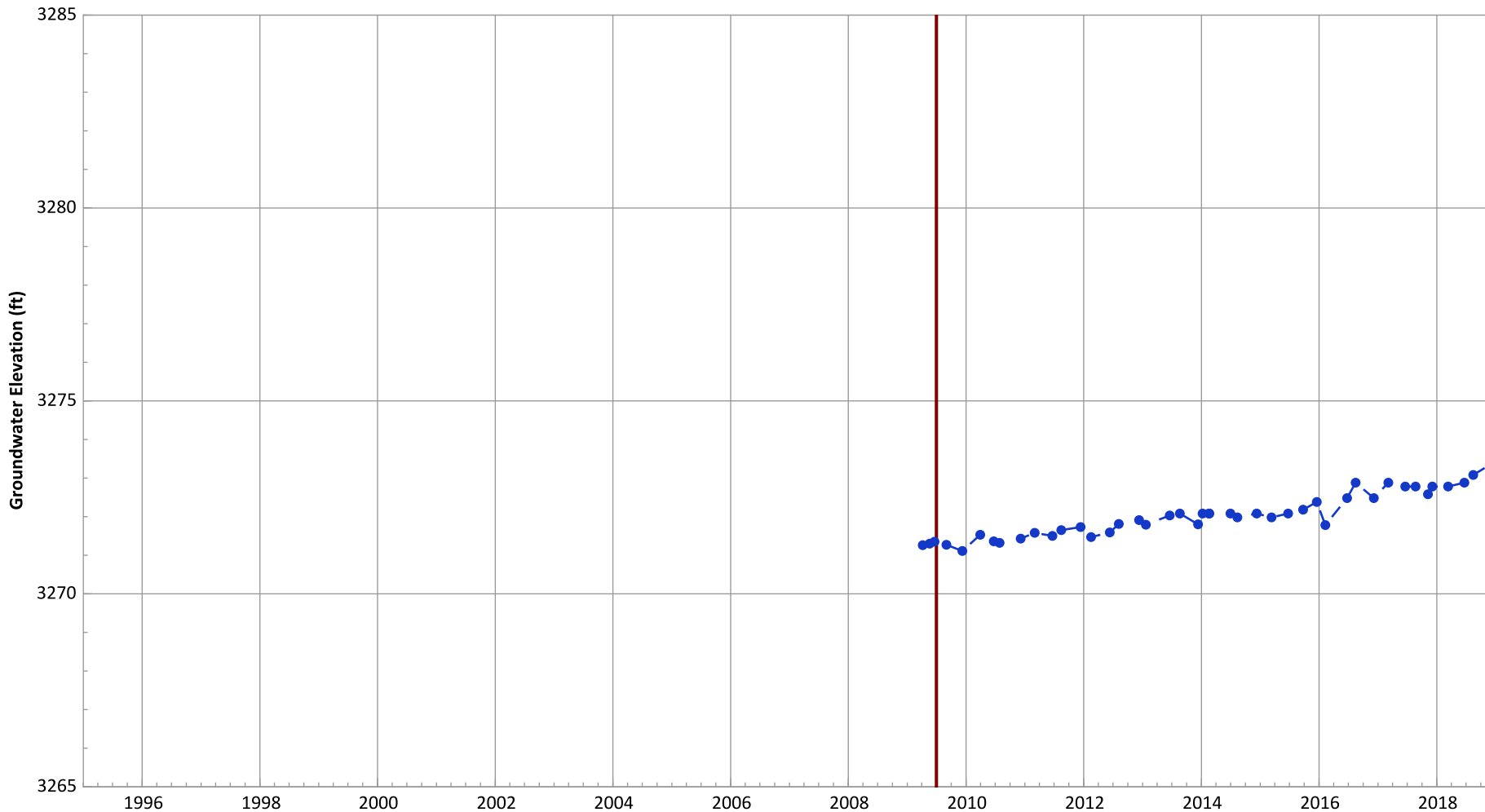
Notes:
 1. Top of screen elevation is 3280.9 ft msl.
 2. The bottom of screen elevation is 3260.9 ft msl.
 3. A continuous hydrograph was produced by linear interpolation between successive discrete measurements.
 Actual groundwater elevations between measurements may be different than shown.
 Analysis Date: 02/14/2019

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



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): No Trend

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

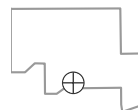


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

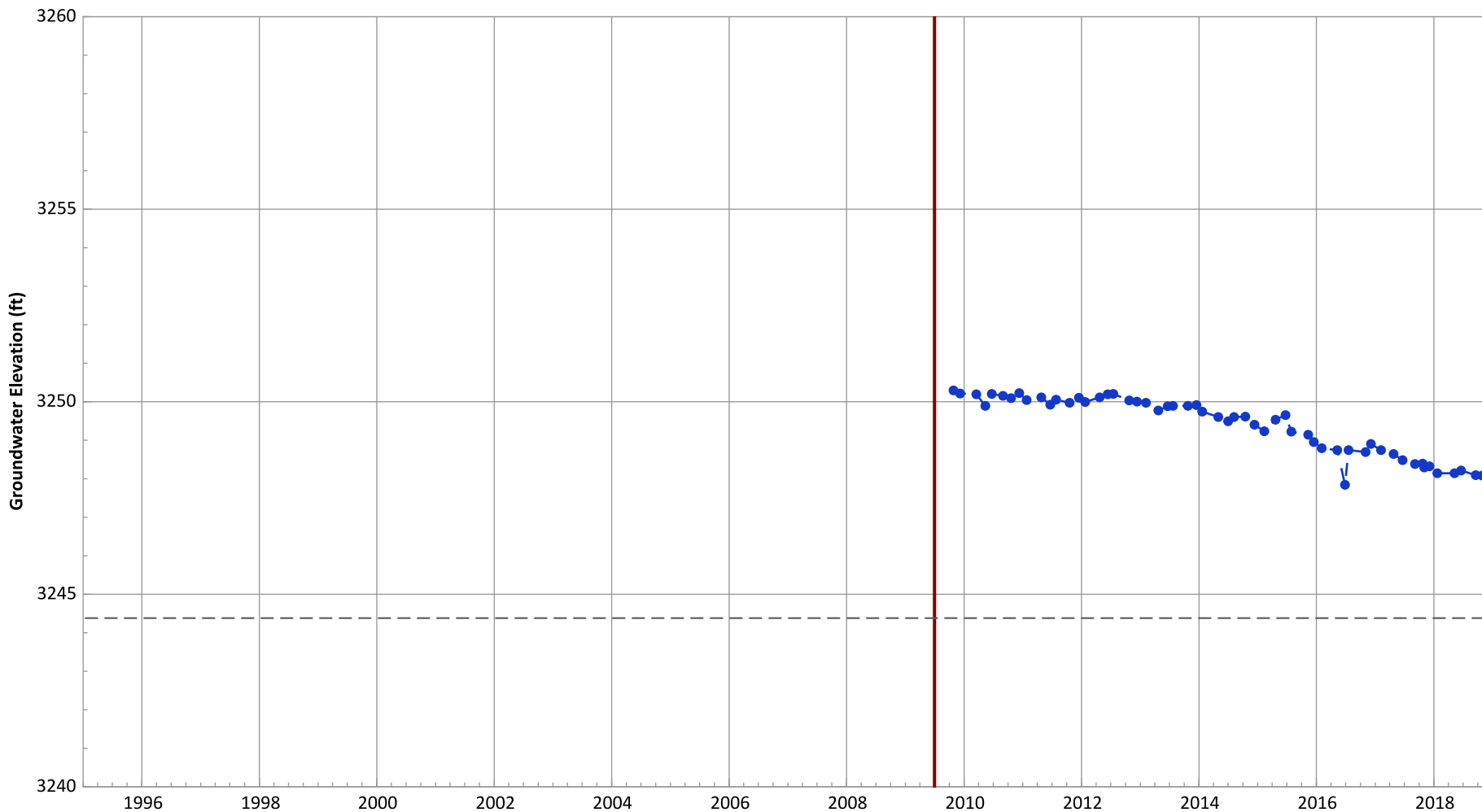
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.27 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.19 ft/yr

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

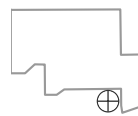


Notes:

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: 02/14/2019

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

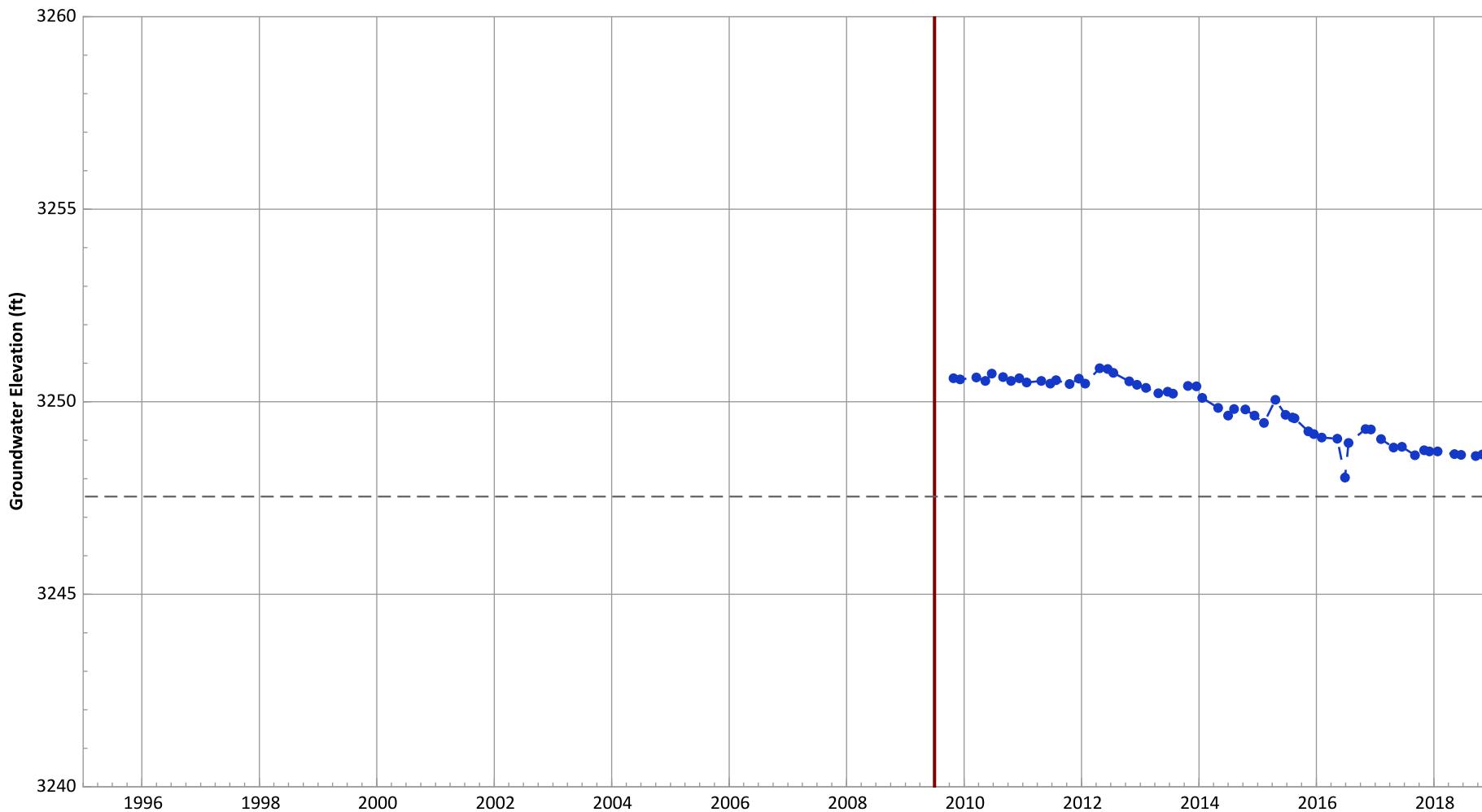
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.33 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.26 ft/yr

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

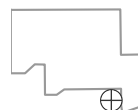


Notes:

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: 02/14/2019

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

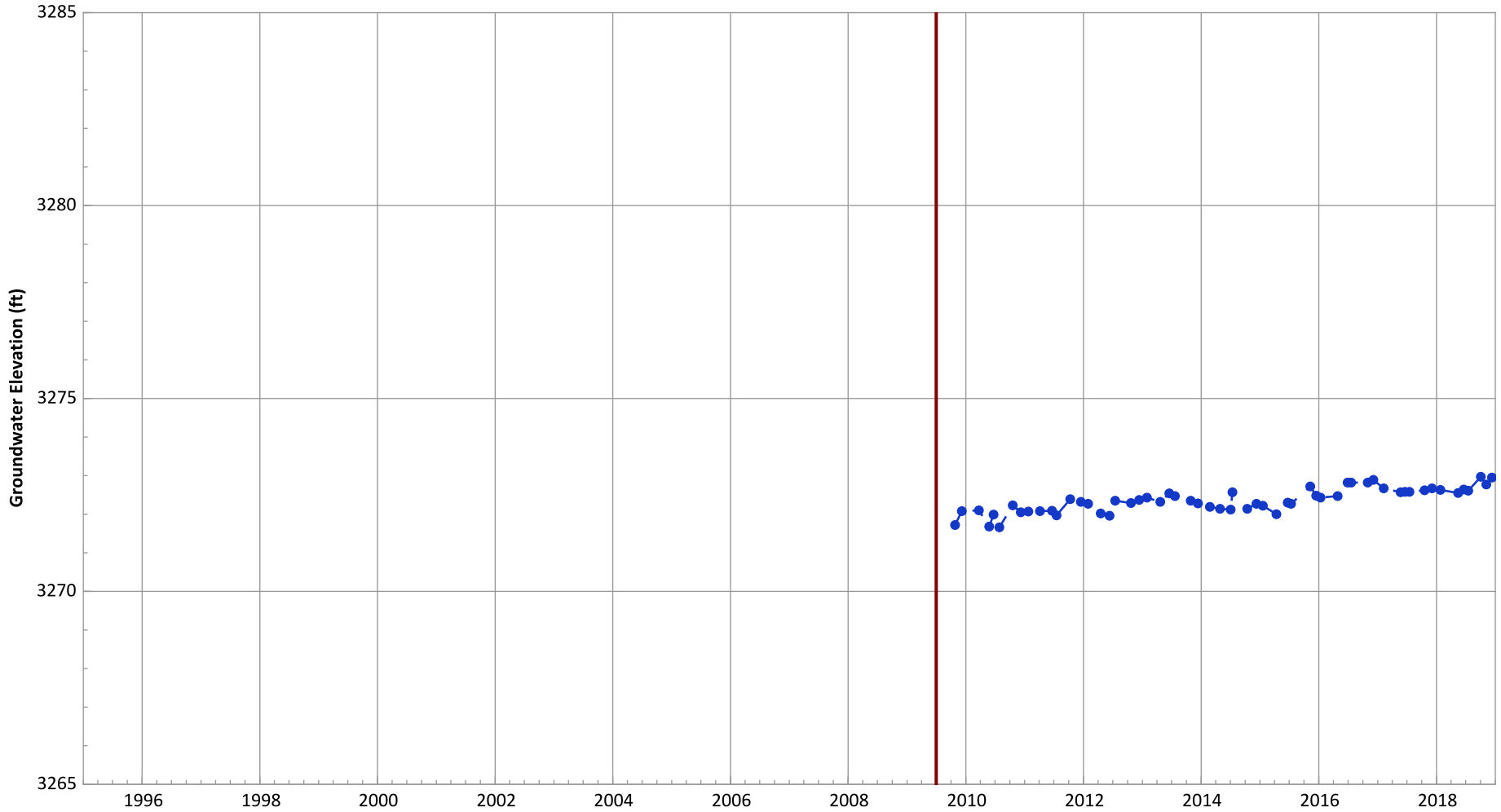
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.19 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.28 ft/yr

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

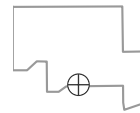


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

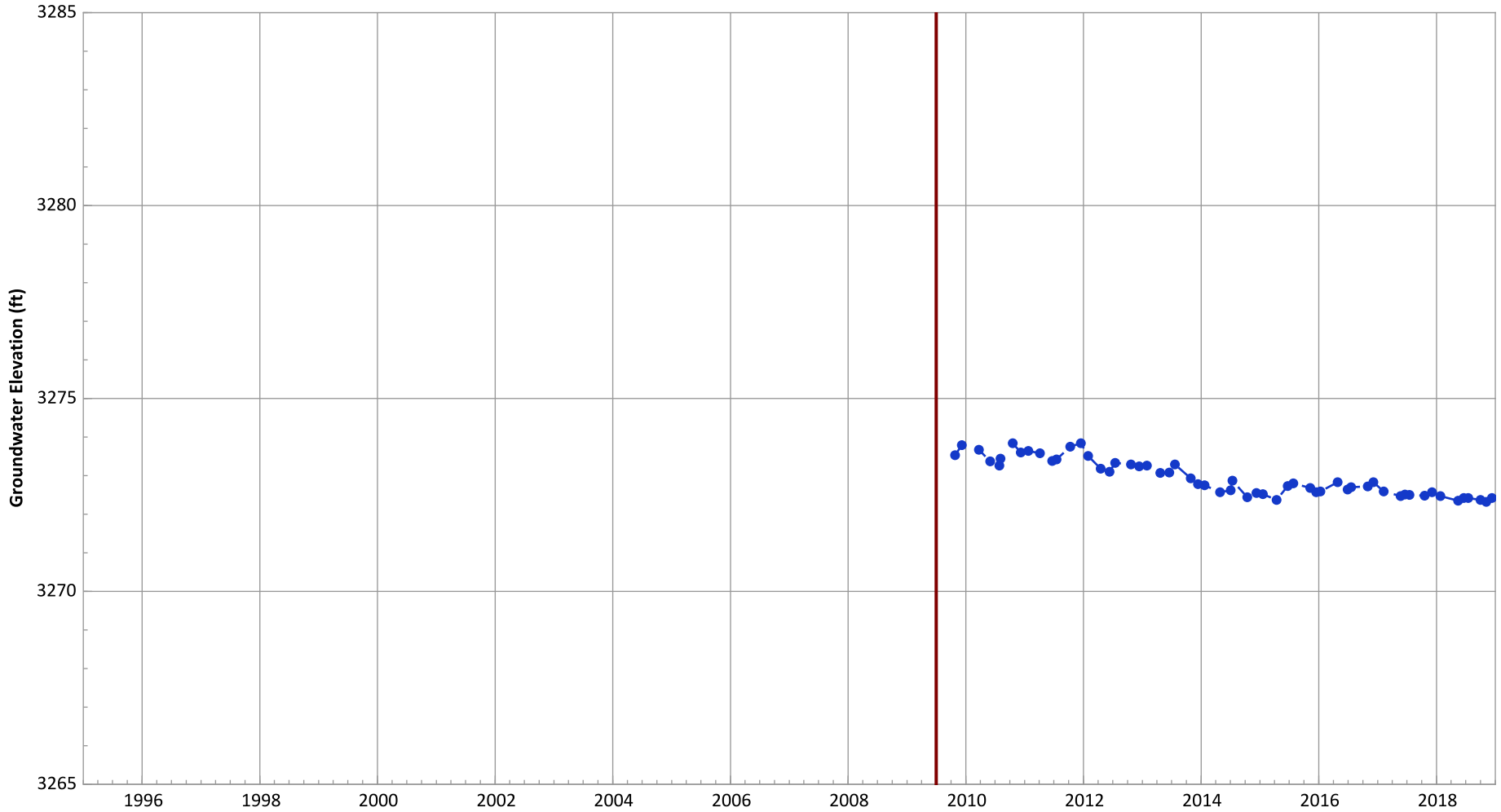
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.14 ft/yr
Data (7/2009 - 12/2018): No Trend

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

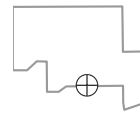


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

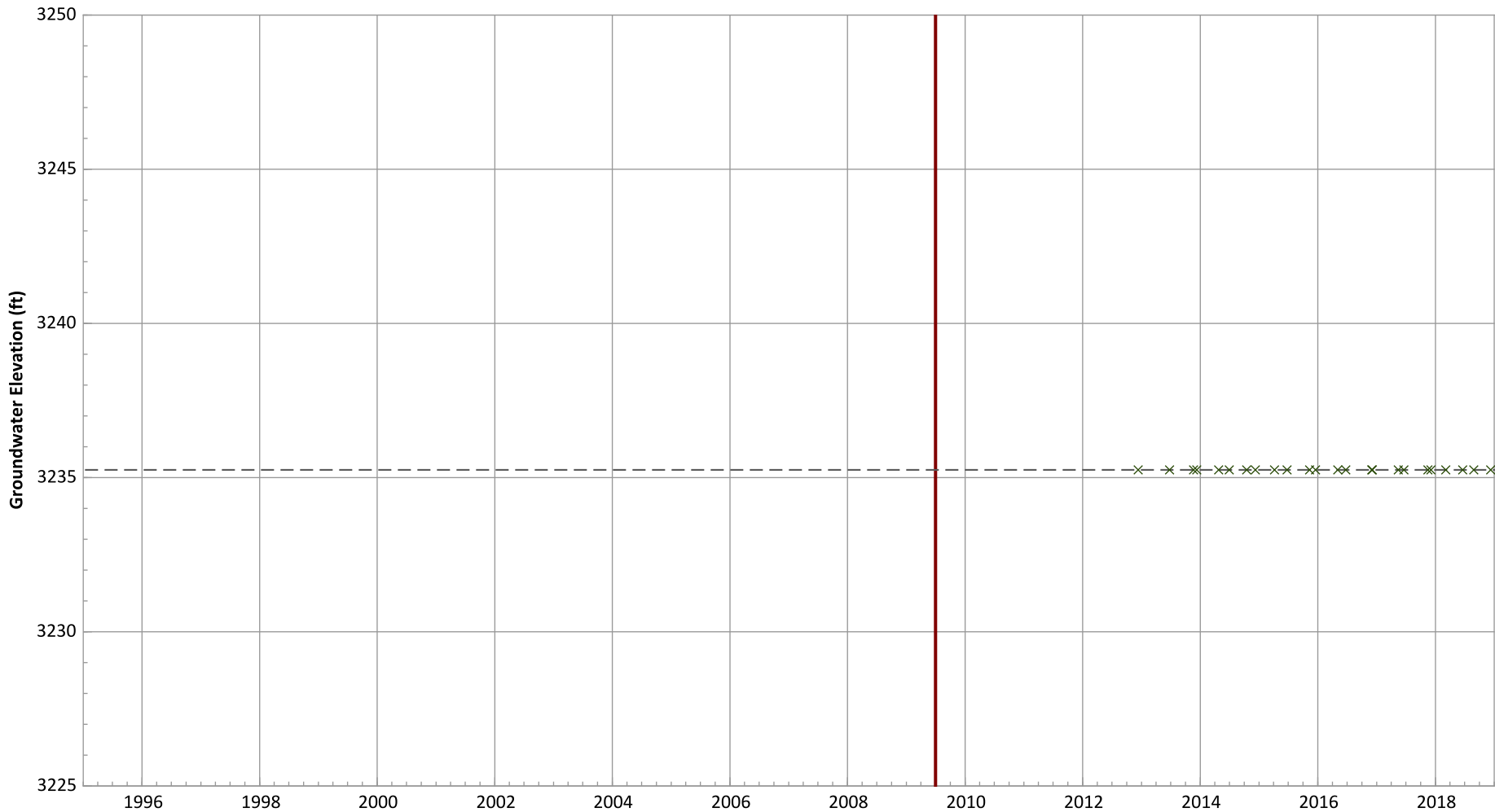
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Decreasing at 0.11 ft/yr
Data (7/2009 - 12/2018): Decreasing at 0.15 ft/yr

**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: 02/14/2019

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

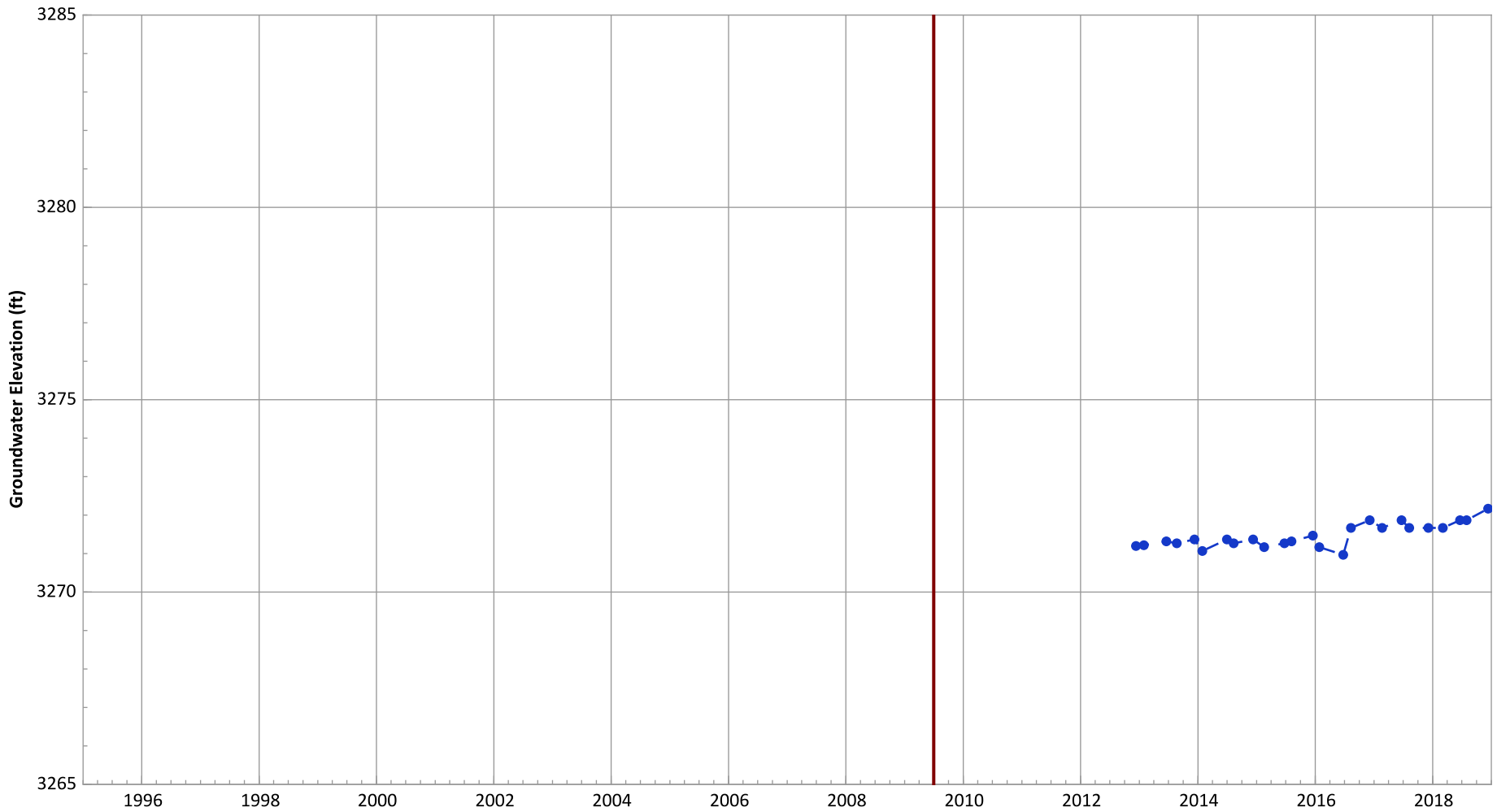
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

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

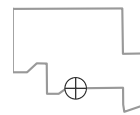


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

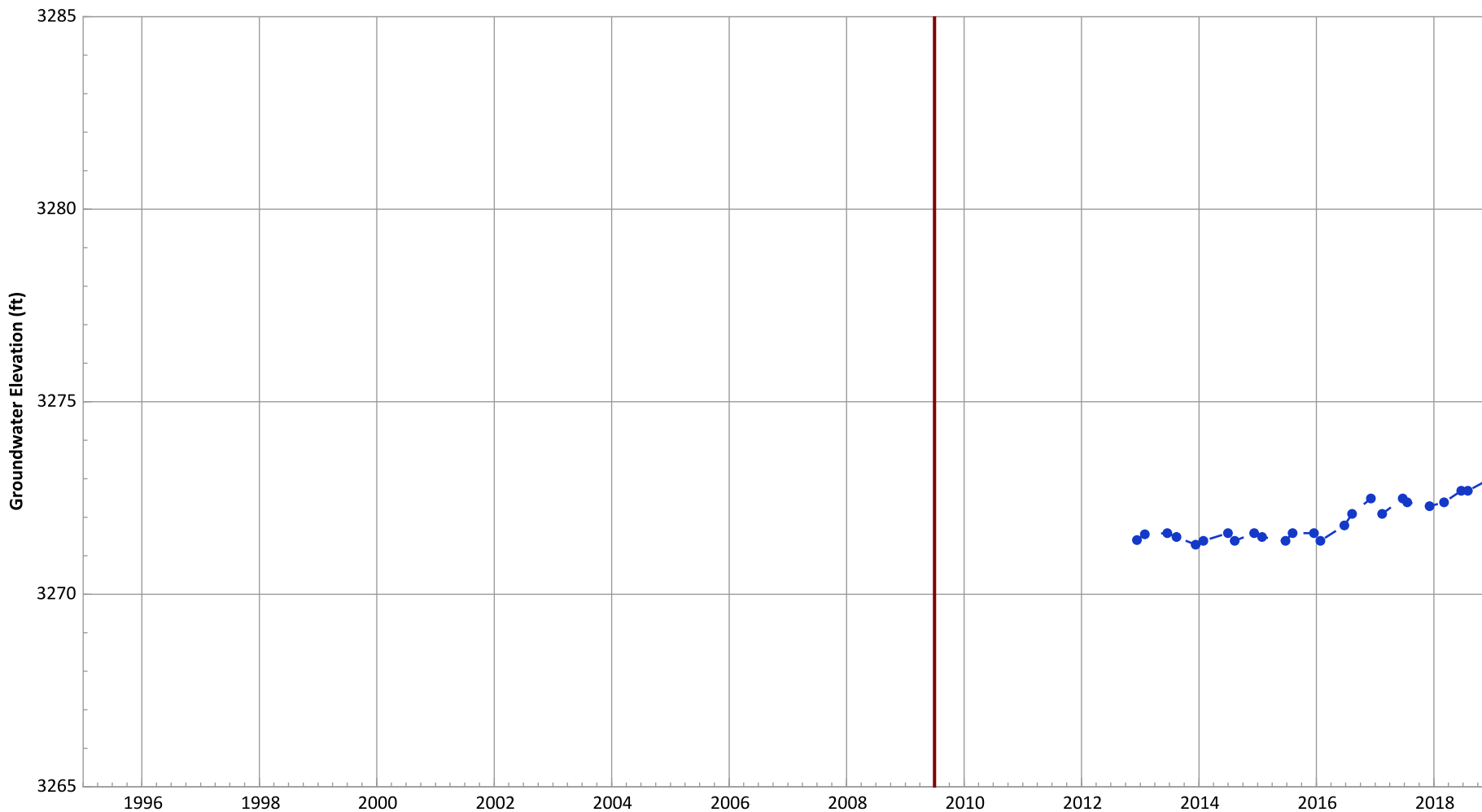
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.2 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.13 ft/yr

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

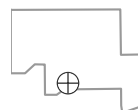


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

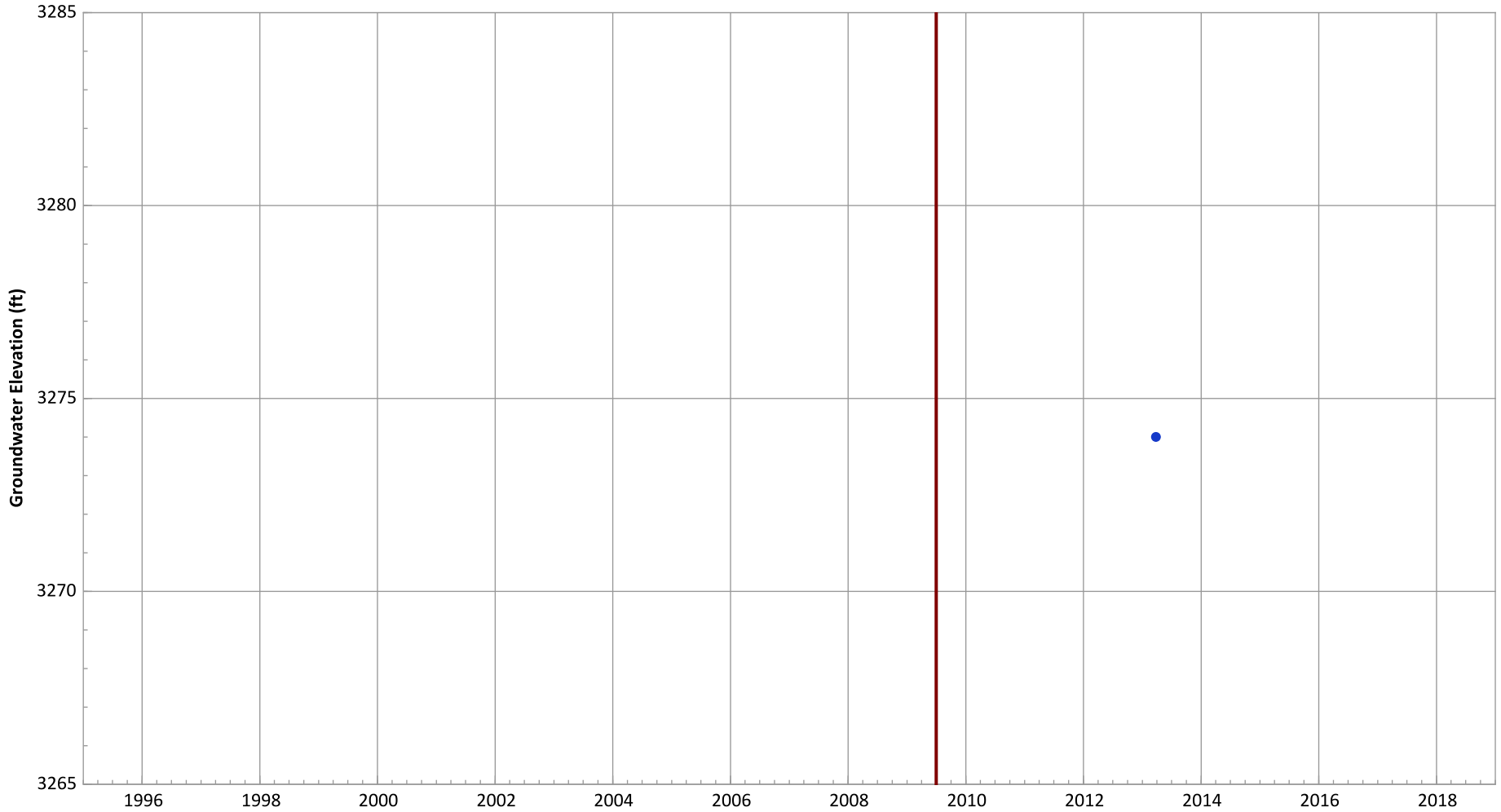
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.39 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.25 ft/yr

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

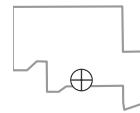


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

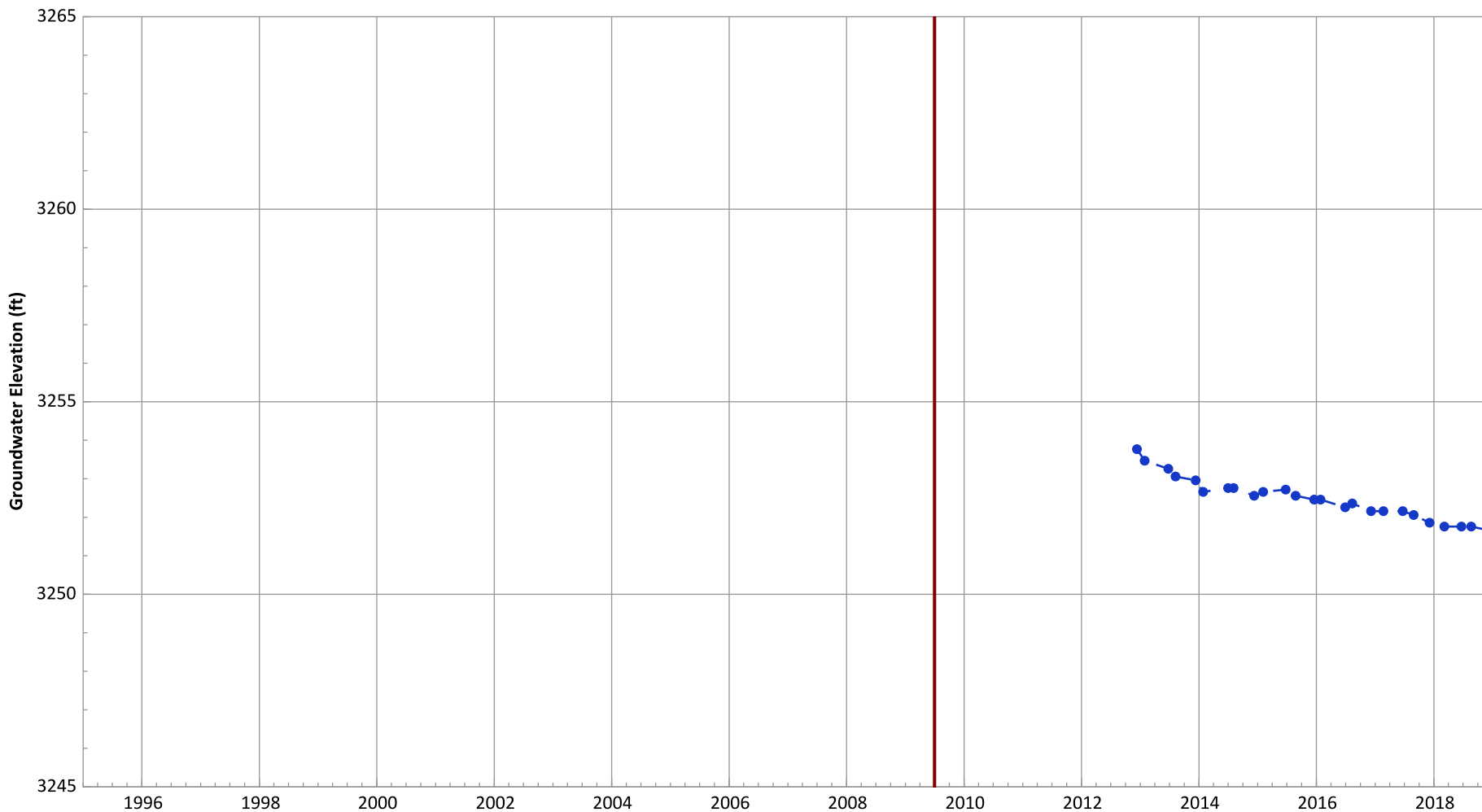
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: N/A (No Measurements)
Data (7/2009 - 12/2018): N/A (No Measurements)

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

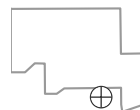


Notes:

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: 02/14/2019

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

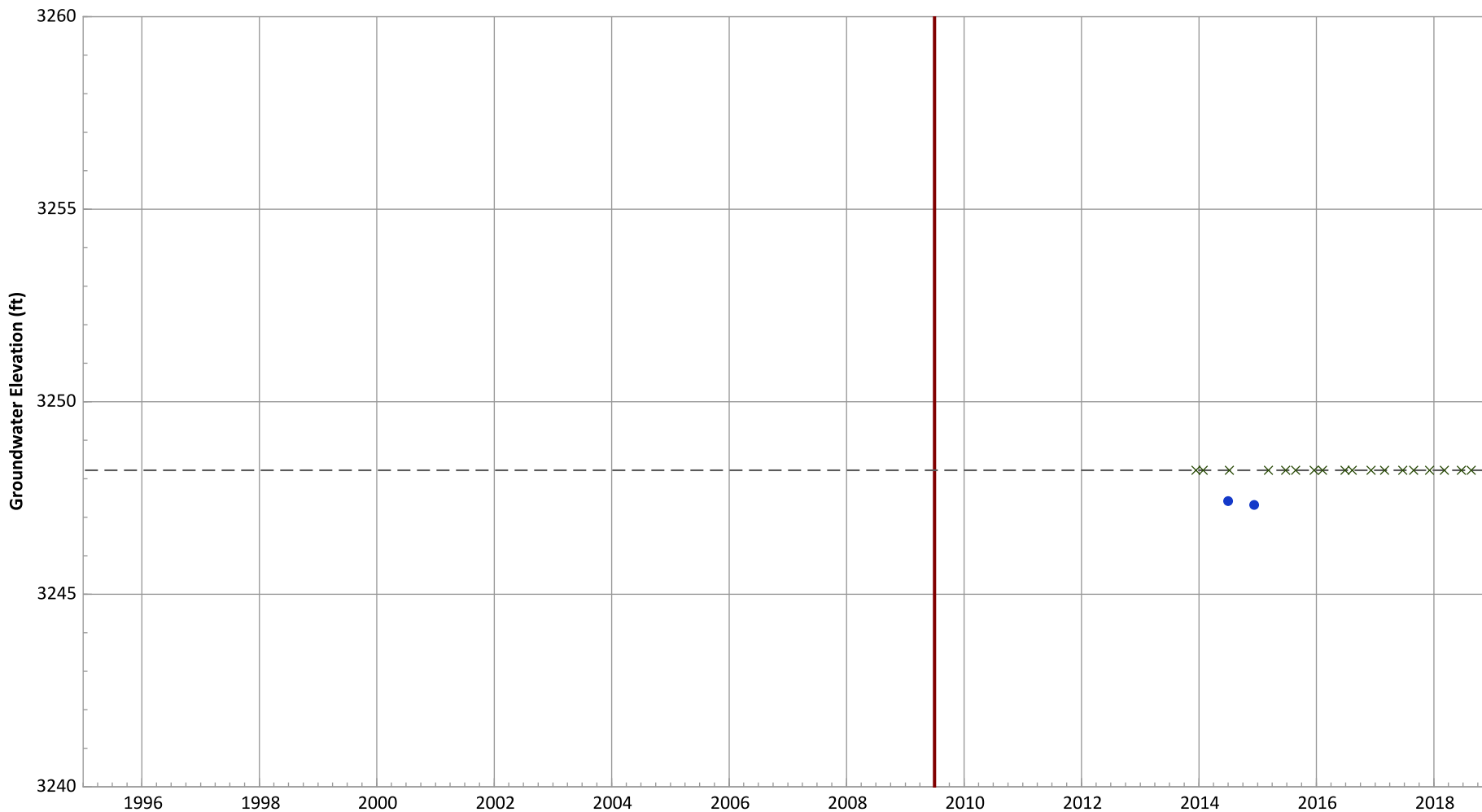
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.31 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.29 ft/yr

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

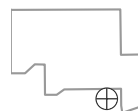


Notes:

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: 02/14/2019

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

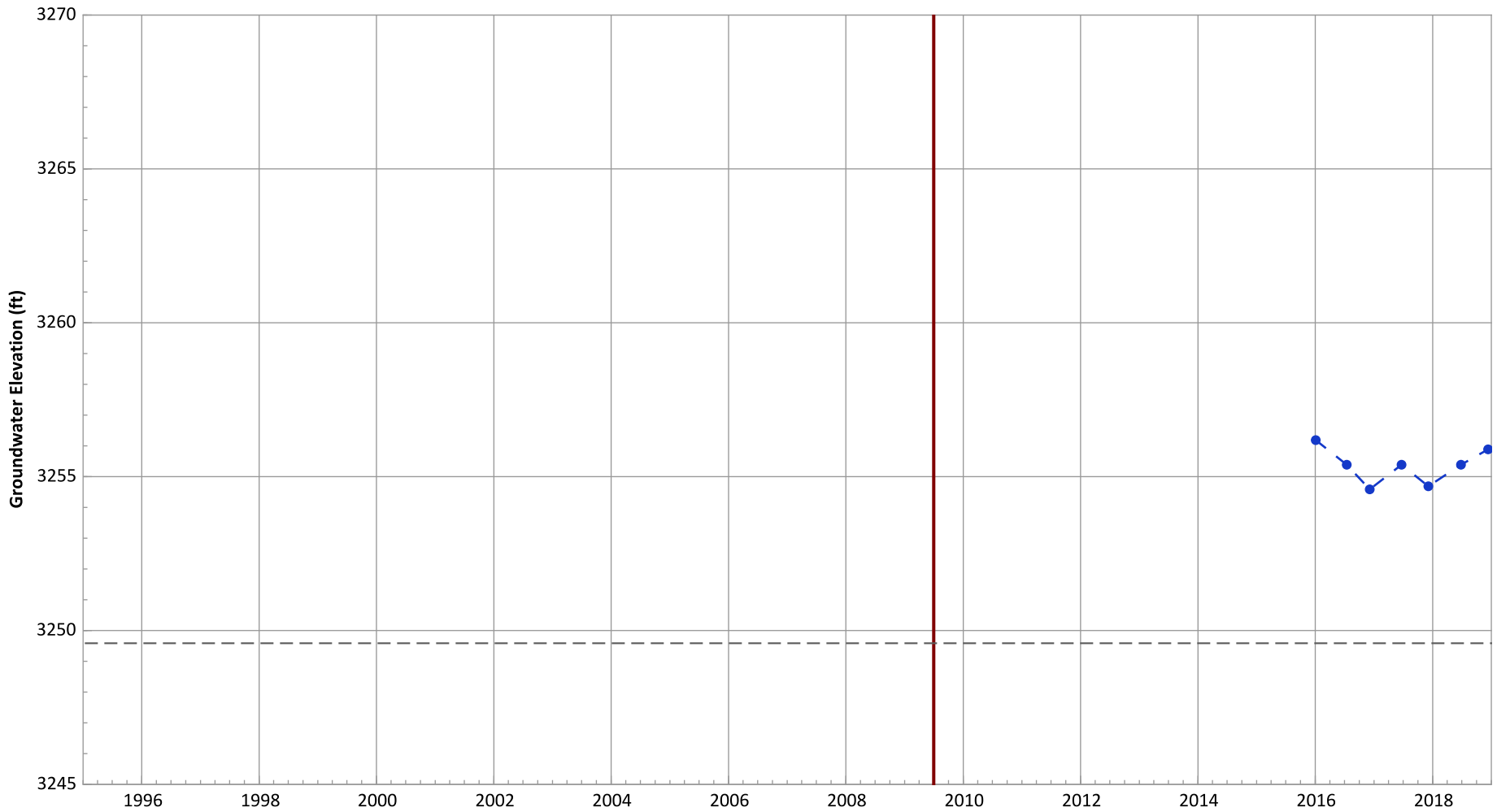
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (<3 Measurements)

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

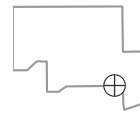


Notes:

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: 02/14/2019

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

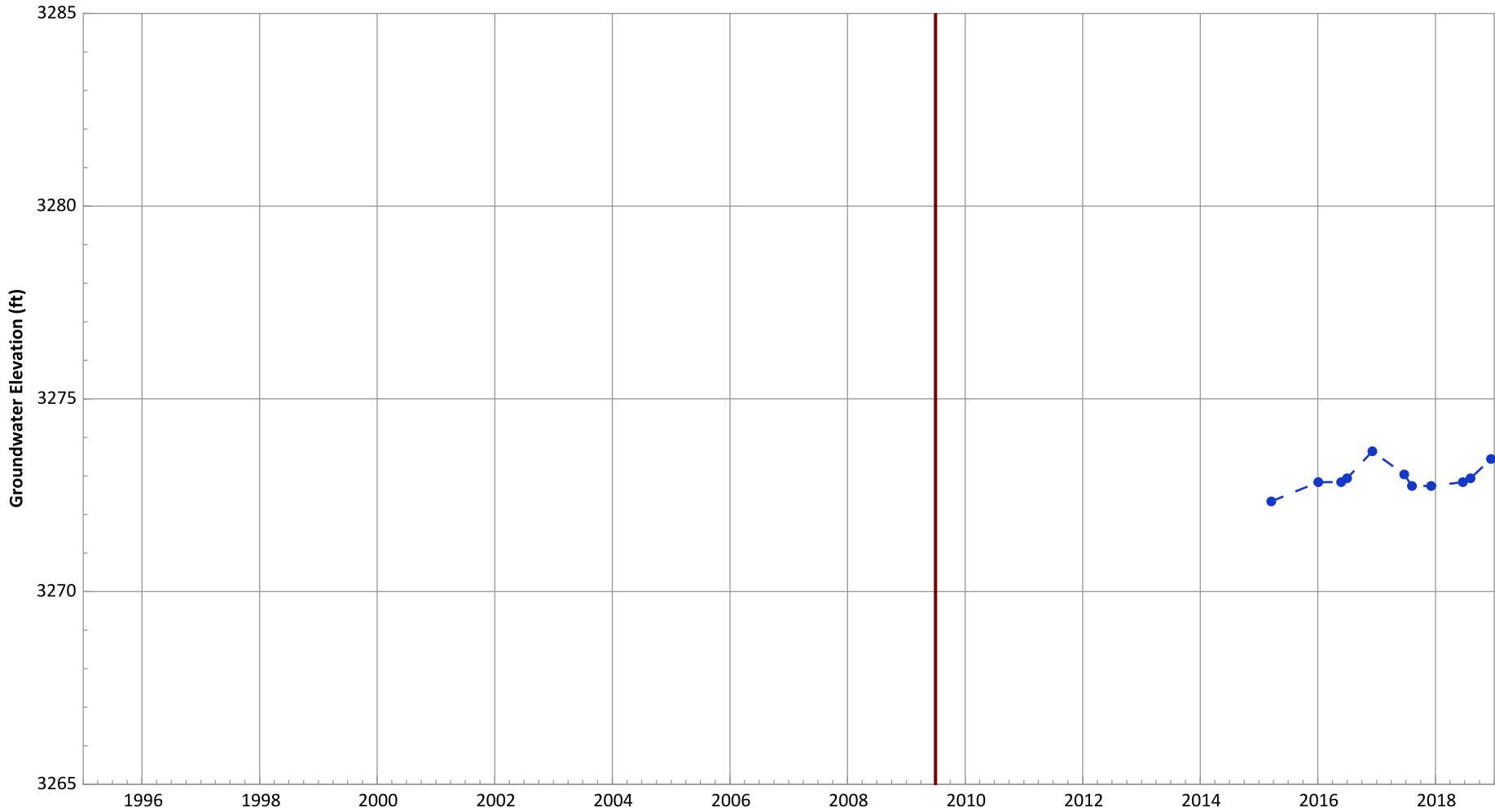
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.45 ft/yr
Data (7/2009 - 12/2018): No Trend

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

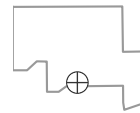


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

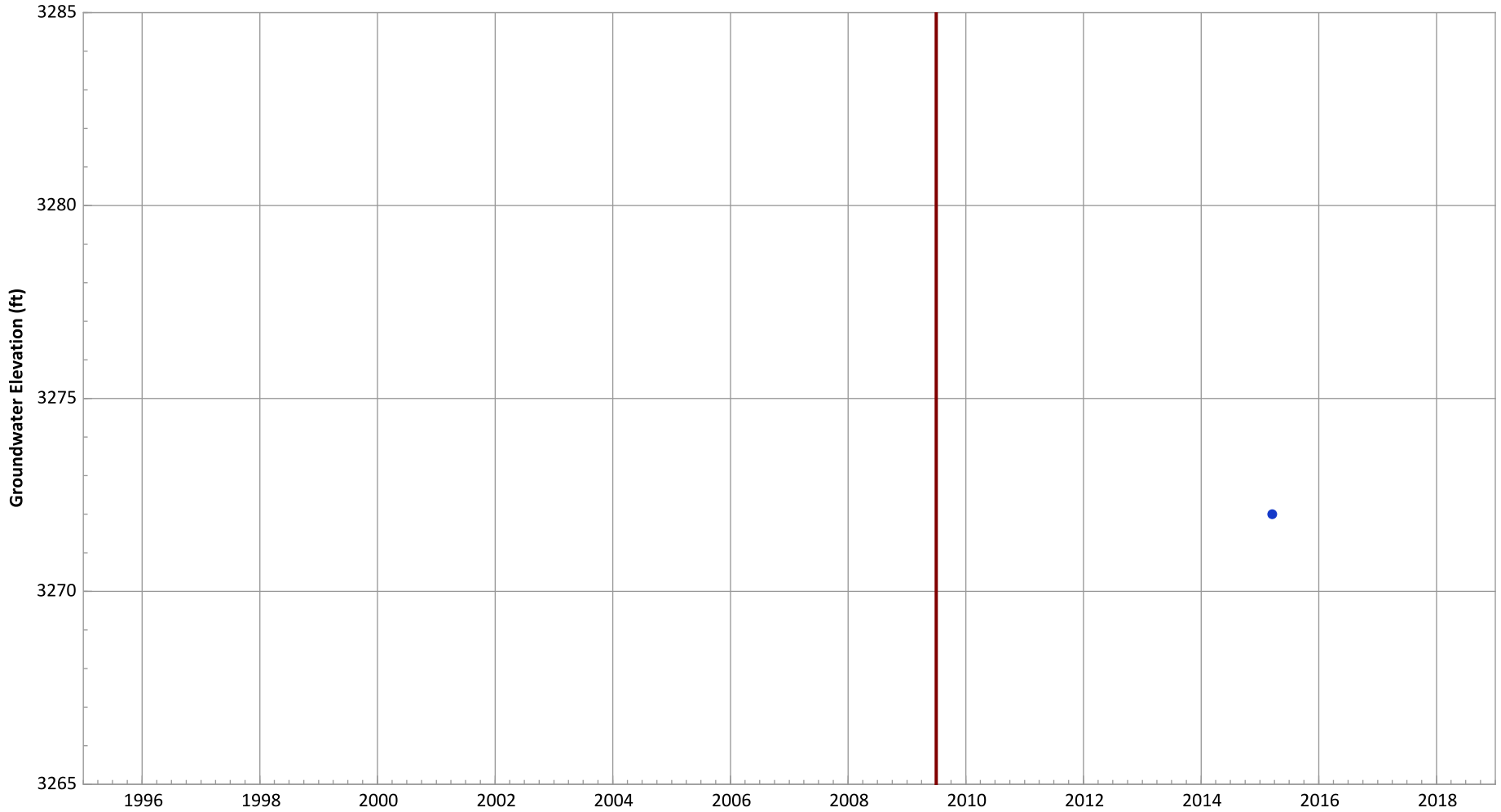
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.26 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.13 ft/yr

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

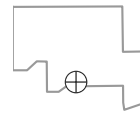


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

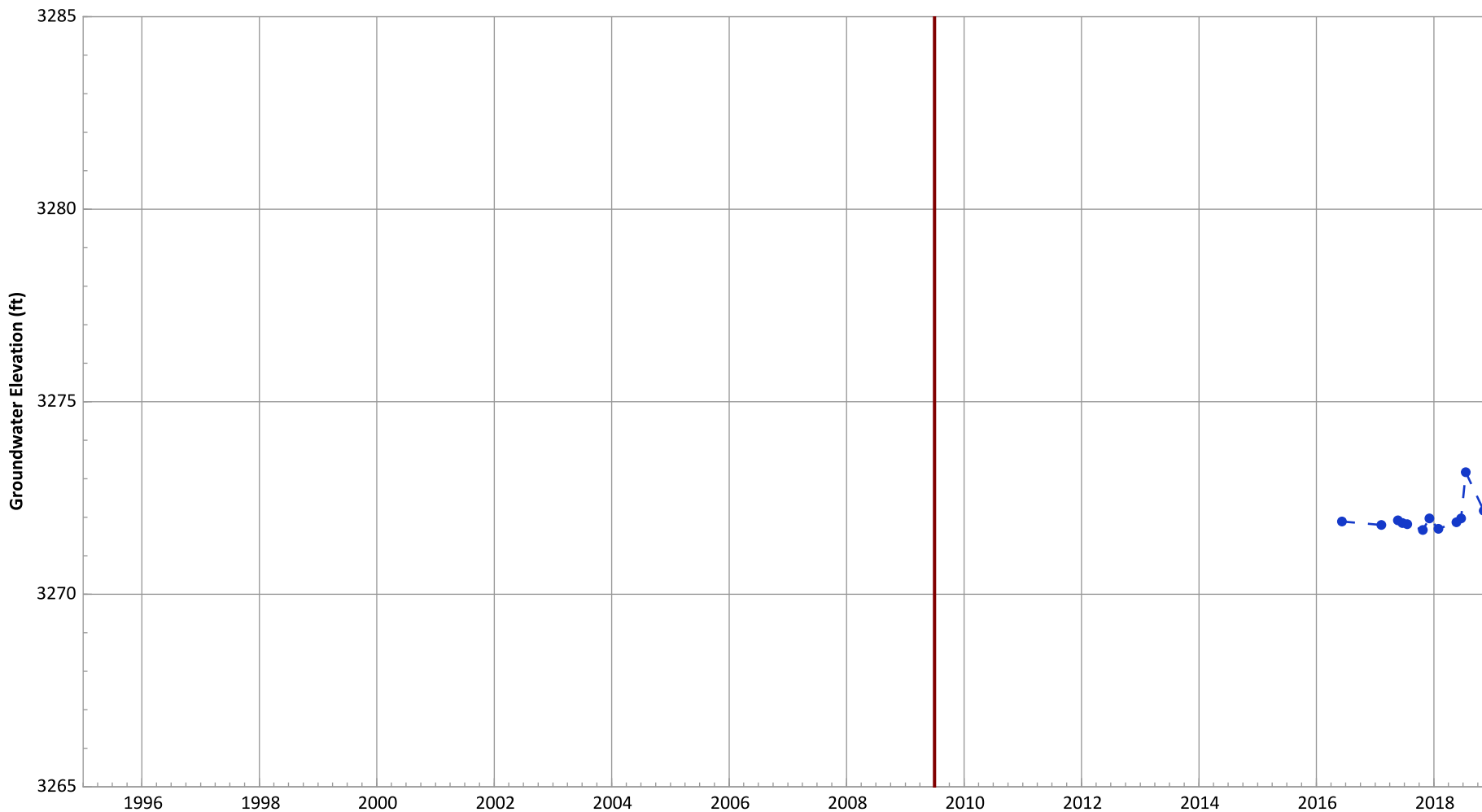
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: N/A (No Measurements)
Data (7/2009 - 12/2018): N/A (No Measurements)

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

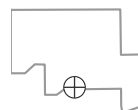


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

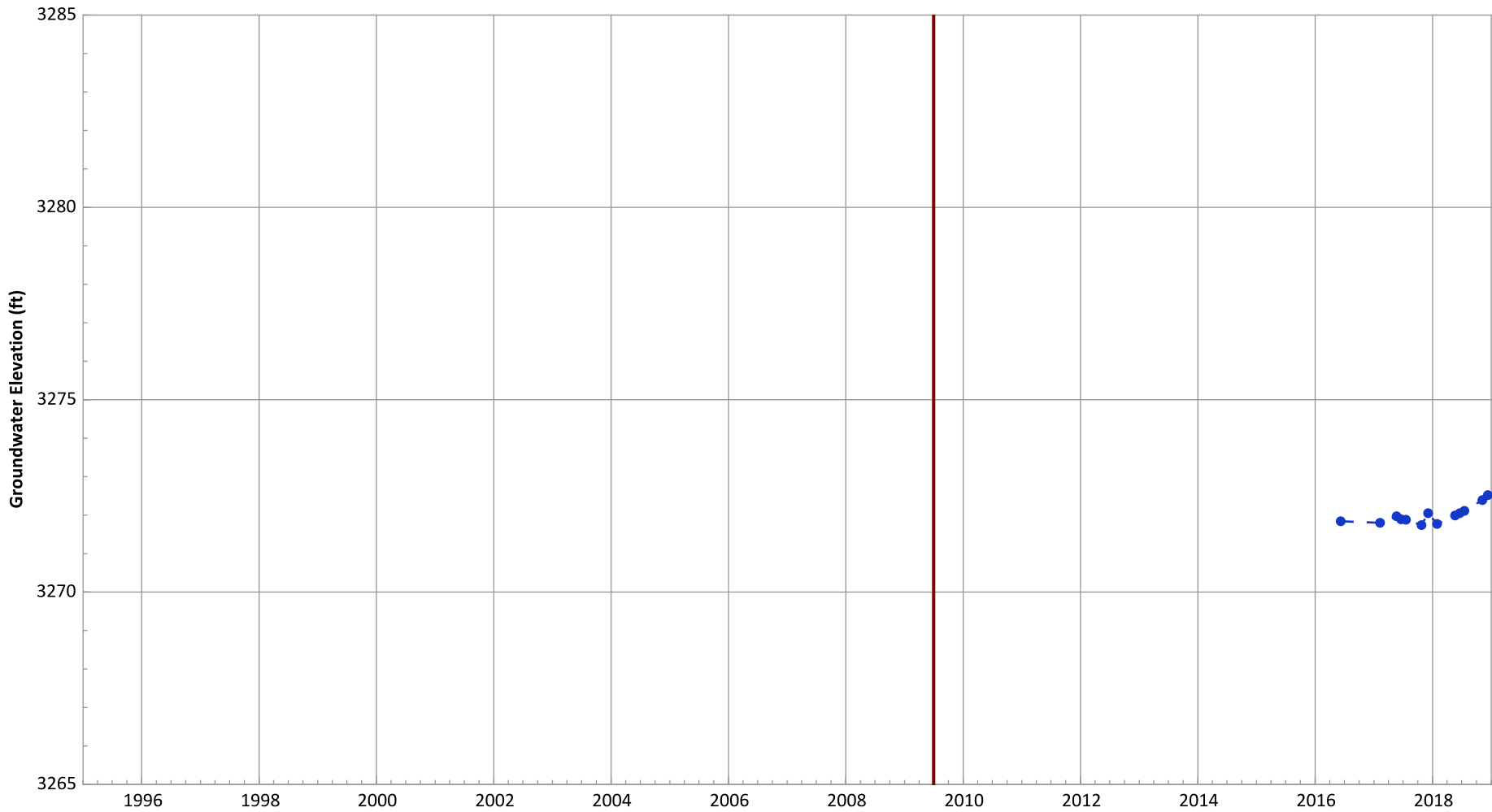
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.37 ft/yr
Data (7/2009 - 12/2018): Increasing at 0.26 ft/yr

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

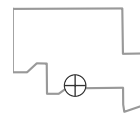


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

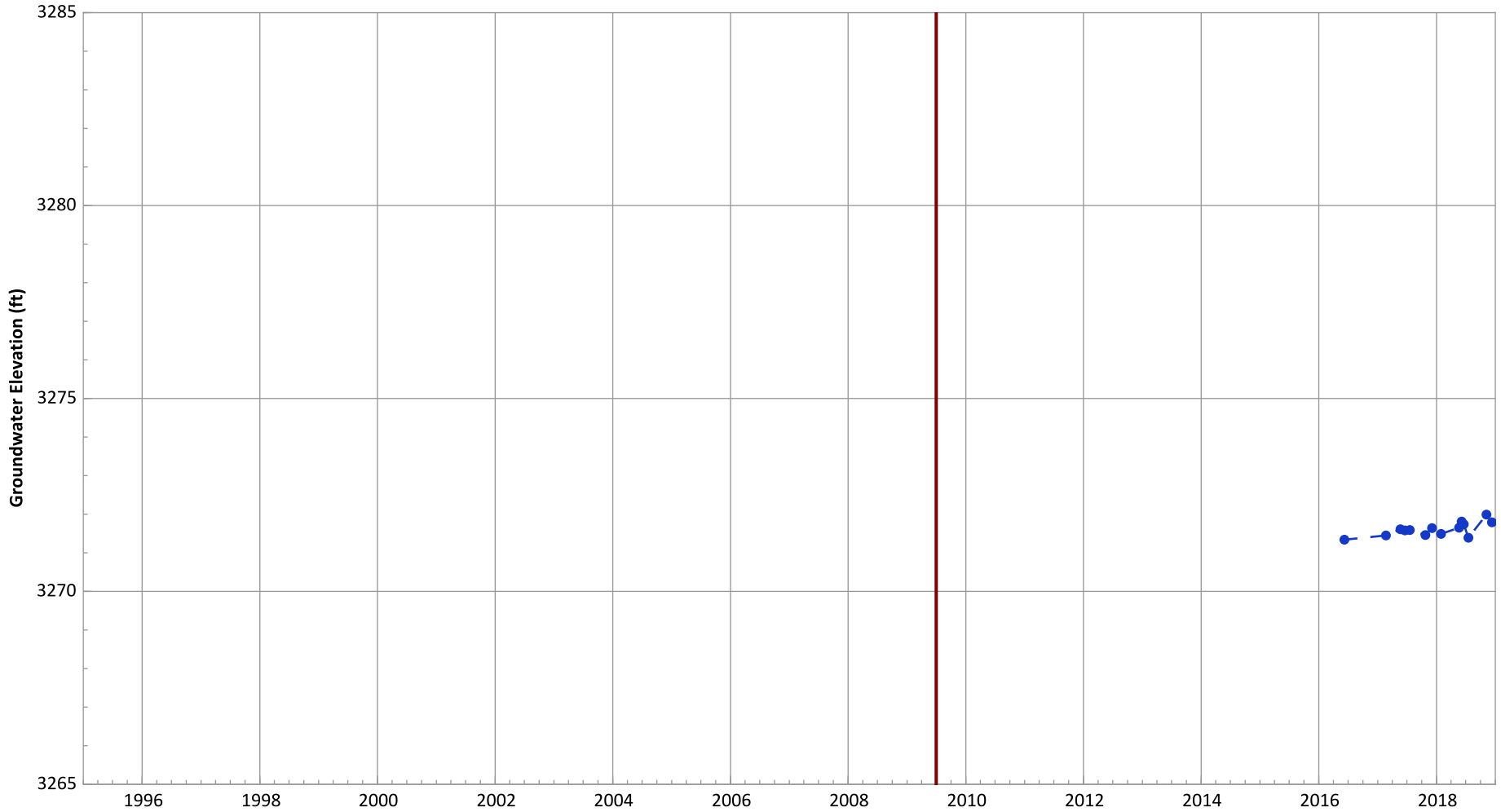
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.31 ft/yr
Data (7/2009 - 12/2018): Increasing at 0.23 ft/yr

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

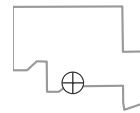


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

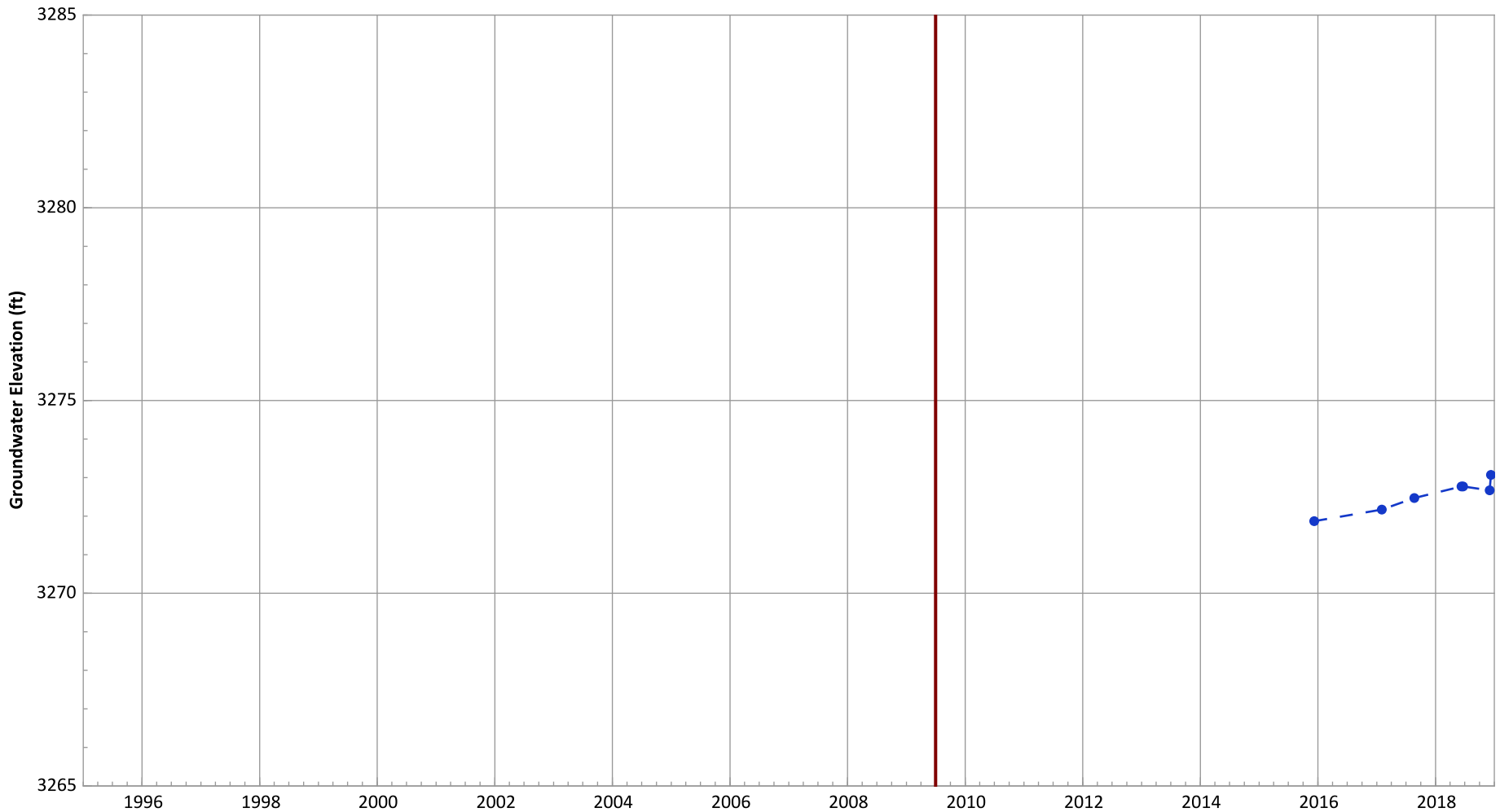
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.17 ft/yr
Data (7/2009 - 12/2018): Increasing at 0.17 ft/yr

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

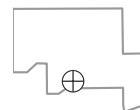


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

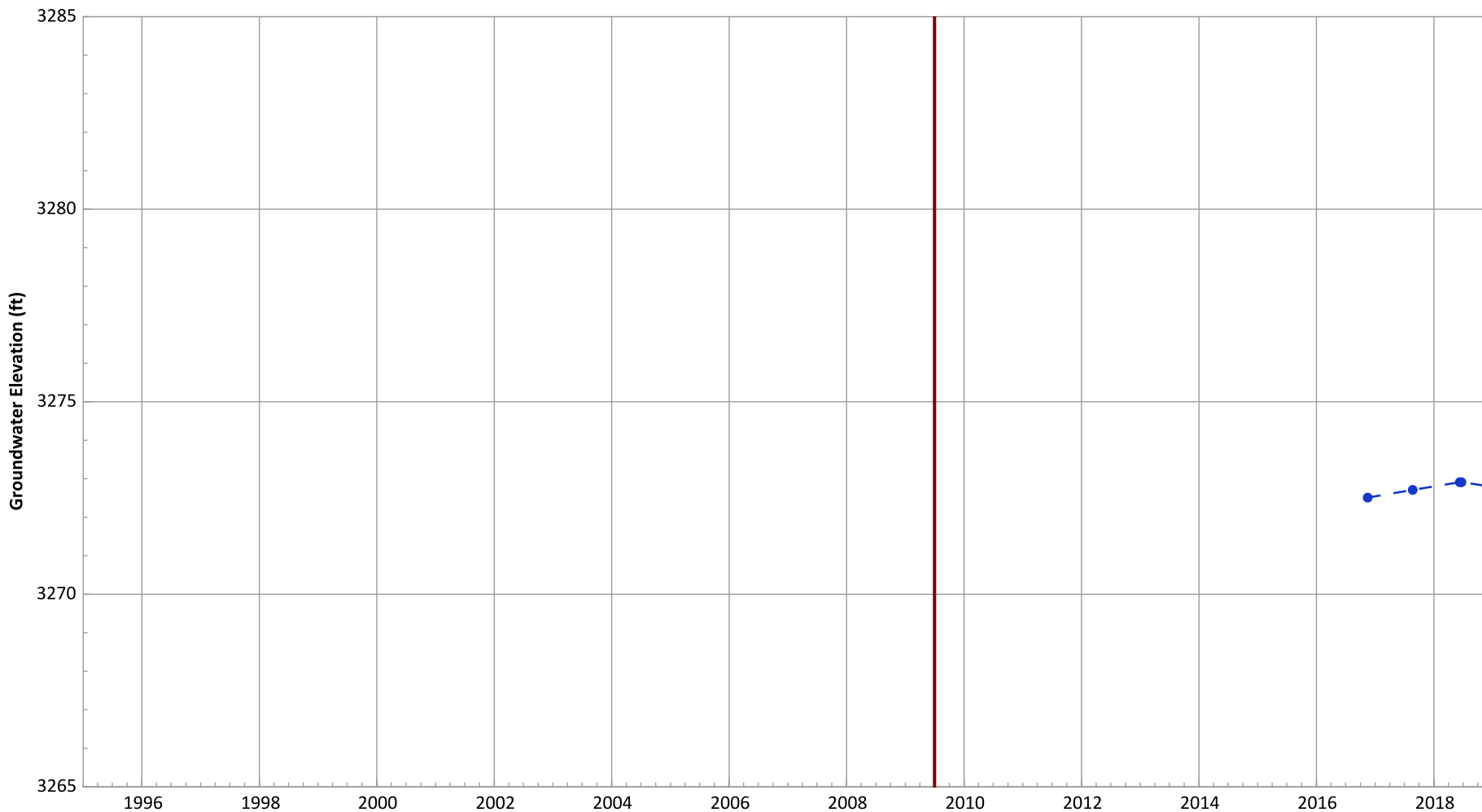
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.37 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.35 ft/yr

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

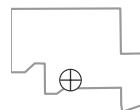


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

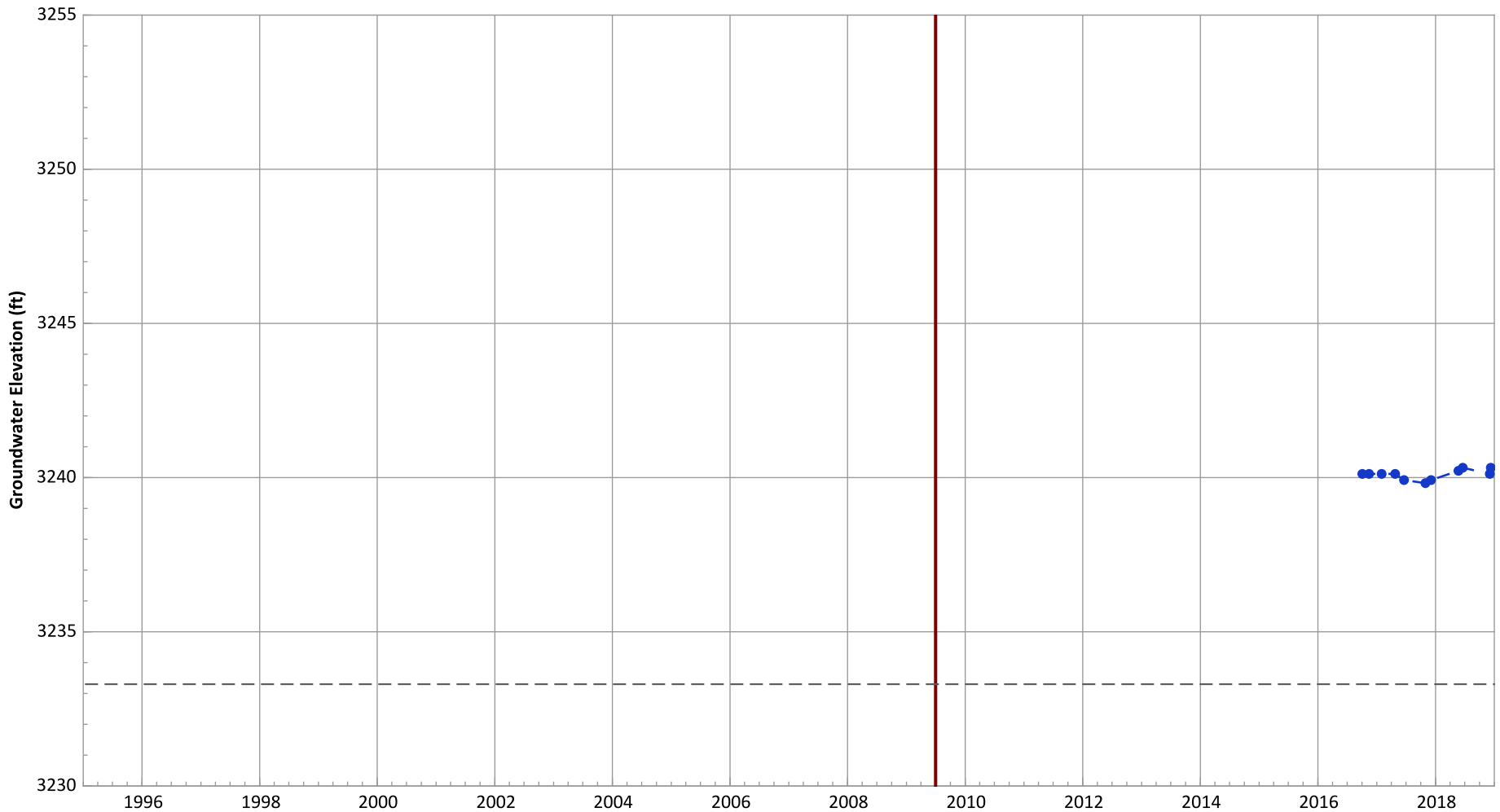
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.24 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.24 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: 02/14/2019

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

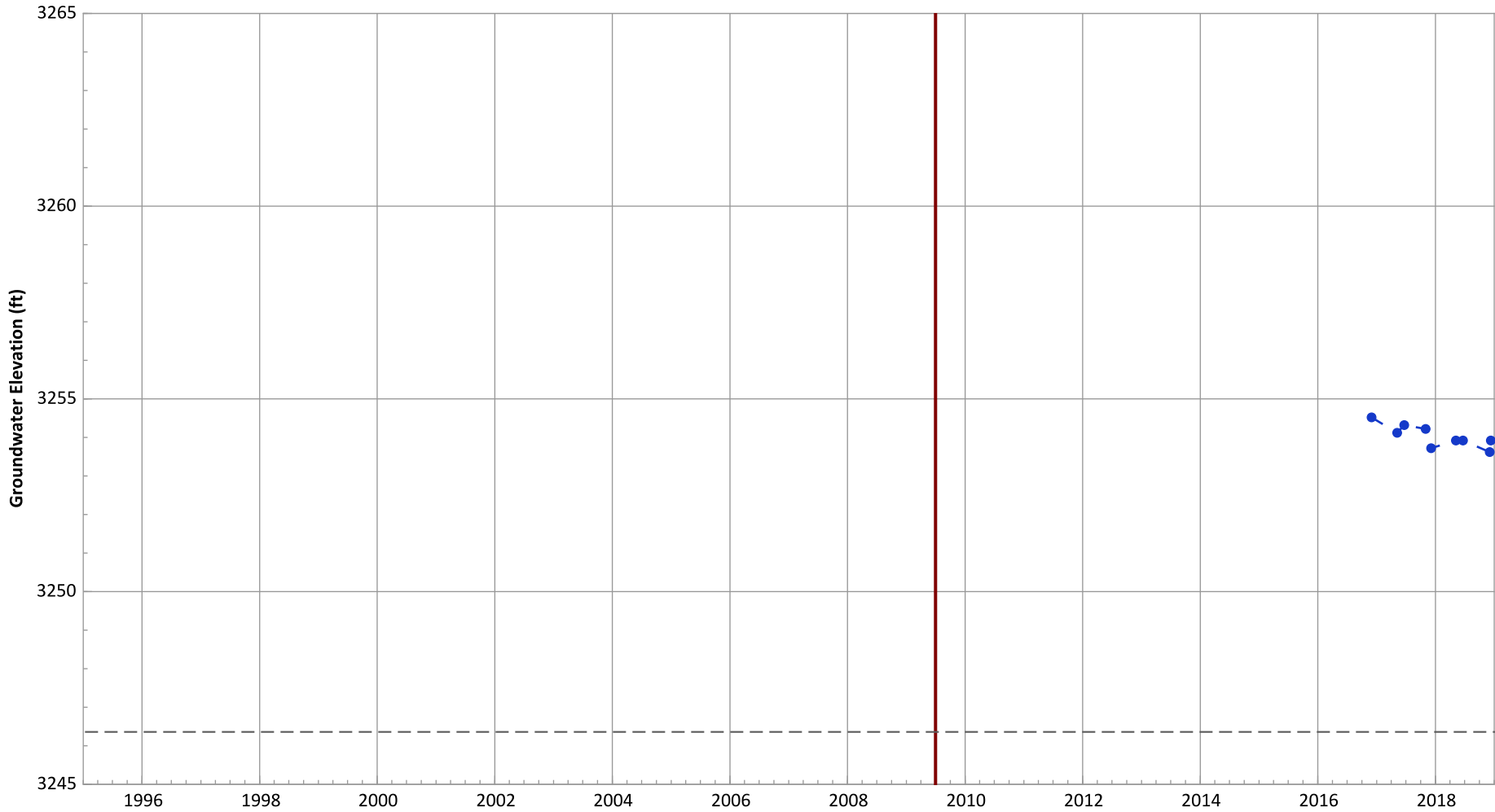
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.13 ft/yr
 Data (7/2009 - 12/2018): No Trend

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

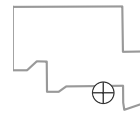


Notes:

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: 02/14/2019

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

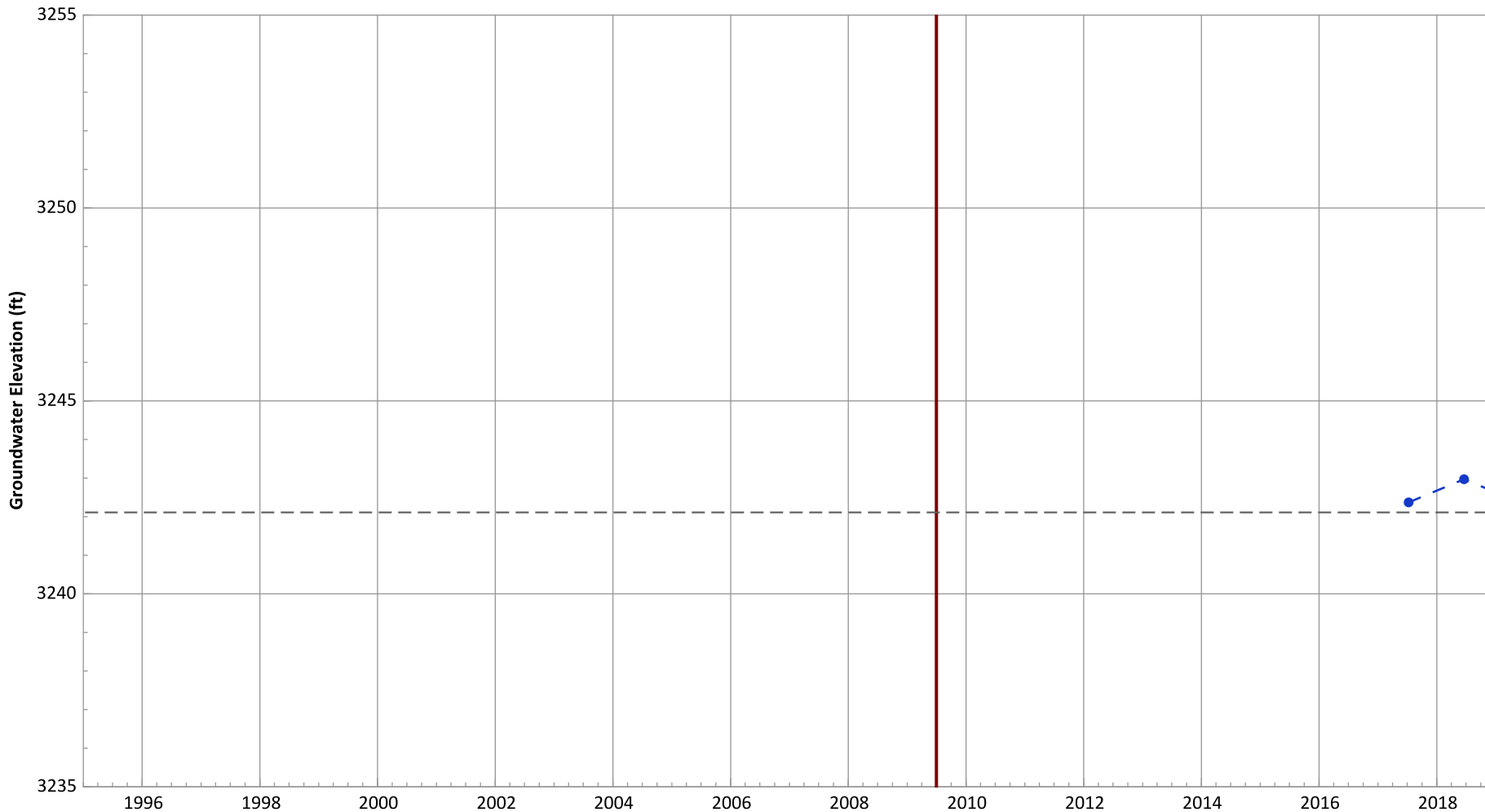
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.27 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.33 ft/yr

**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: 02/14/2019

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

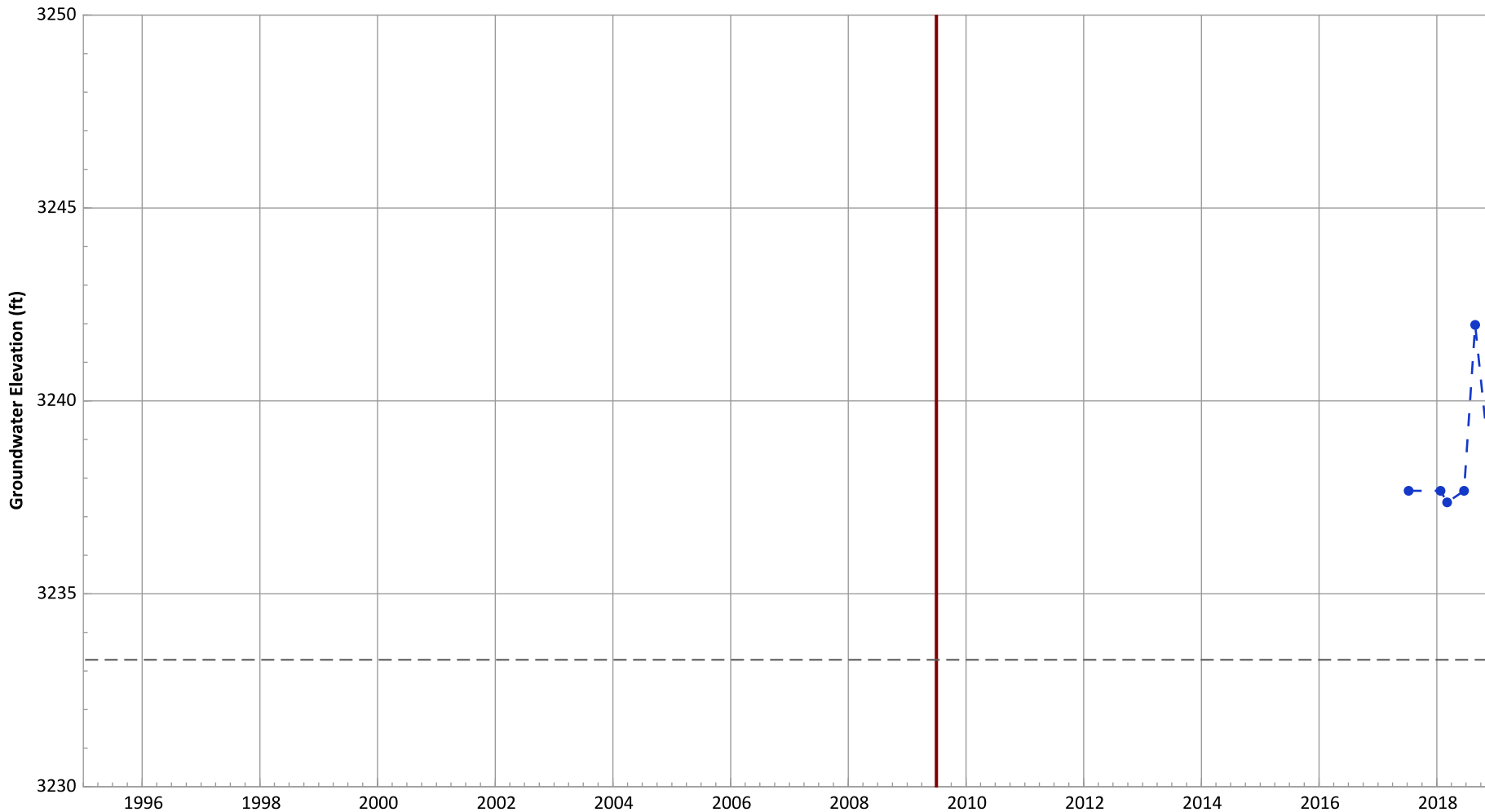
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.27 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.27 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: 02/14/2019

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

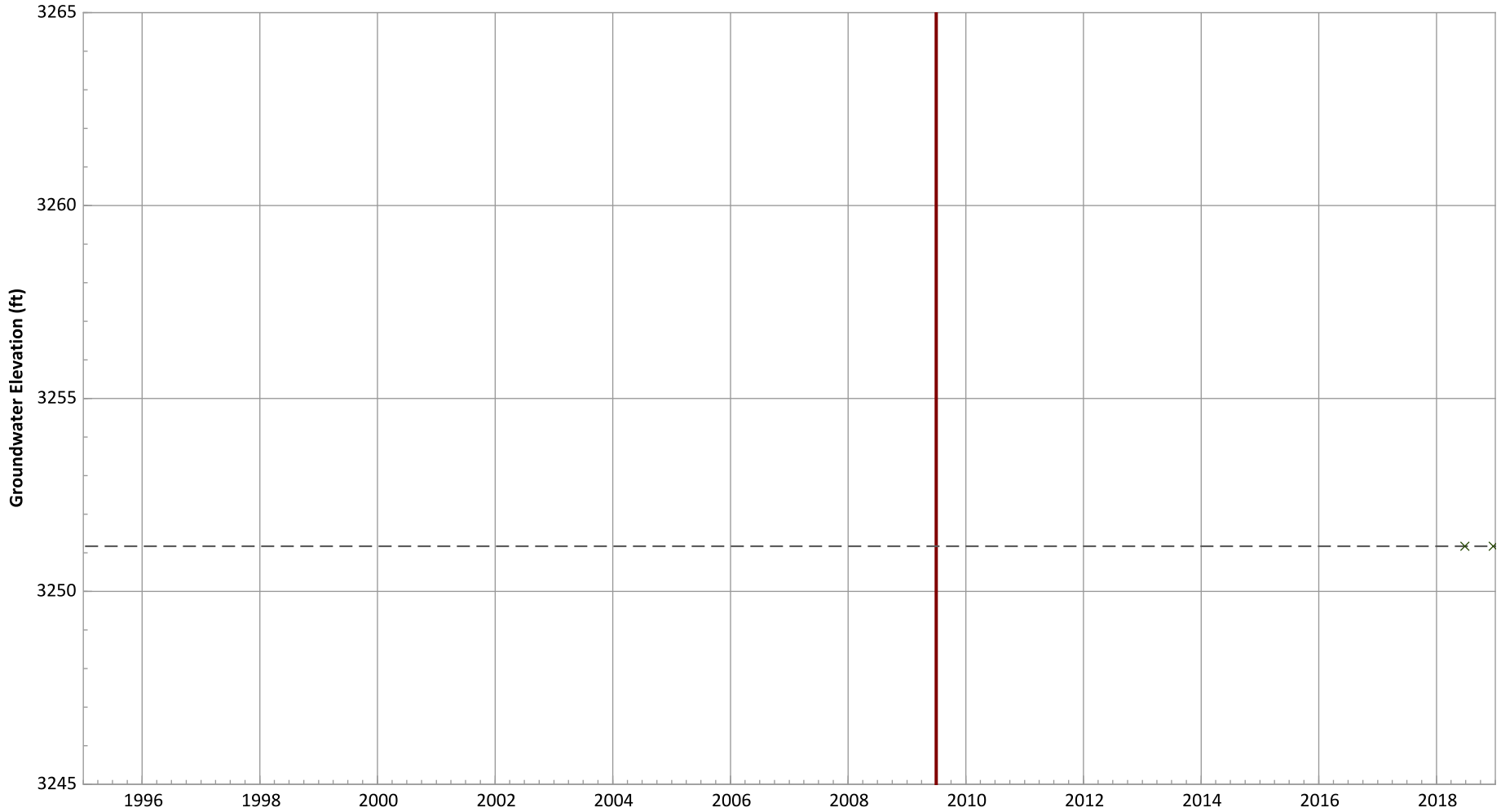
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.3 ft/yr
 Data (7/2009 - 12/2018): Increasing at 1.3 ft/yr

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

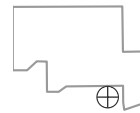


Notes:

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: 02/14/2019

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

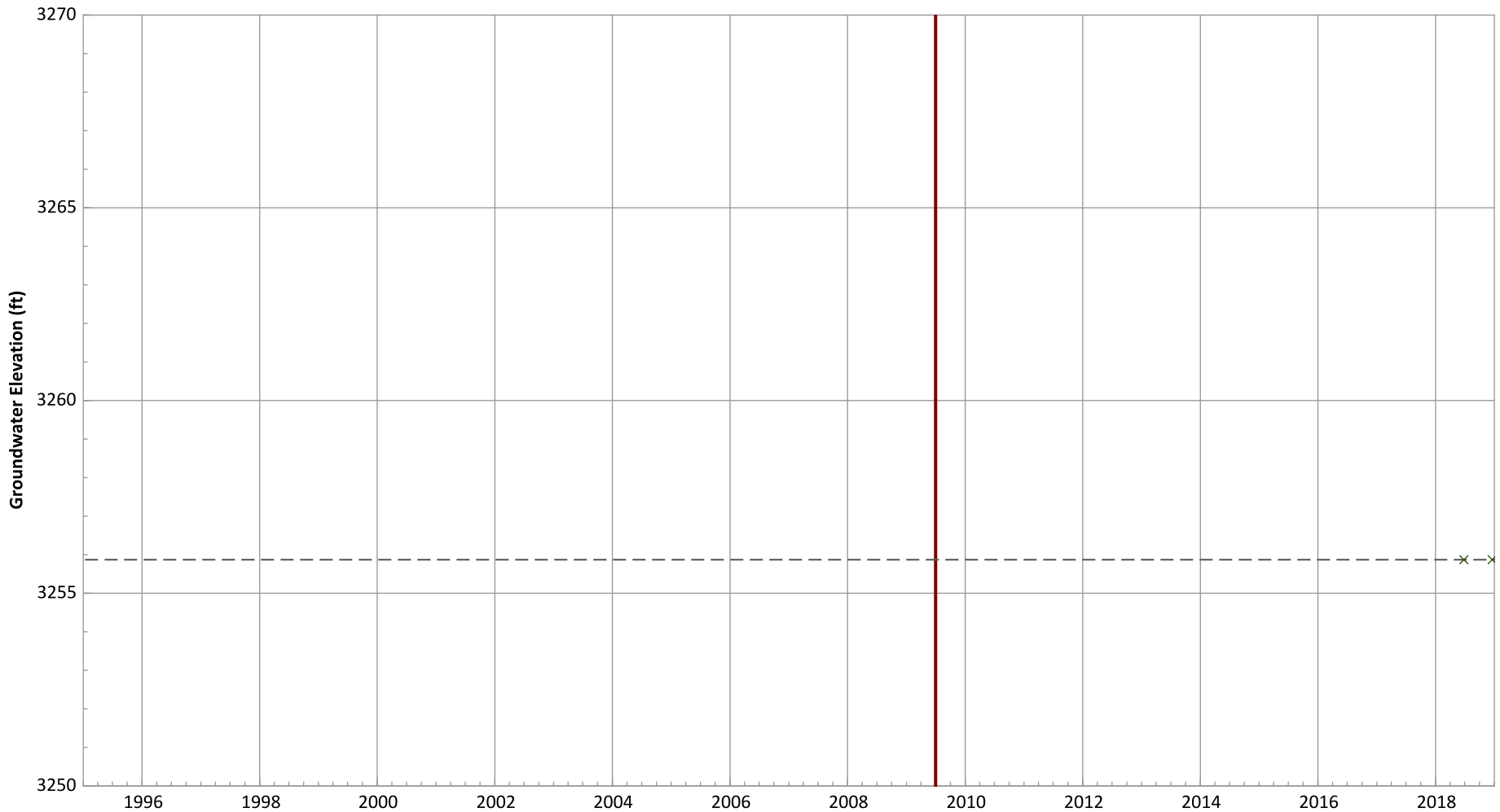
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: N/A (No Measurements)
Data (7/2009 - 12/2018): N/A (No Measurements)

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

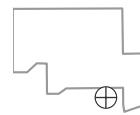


Notes:

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: 02/14/2019

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

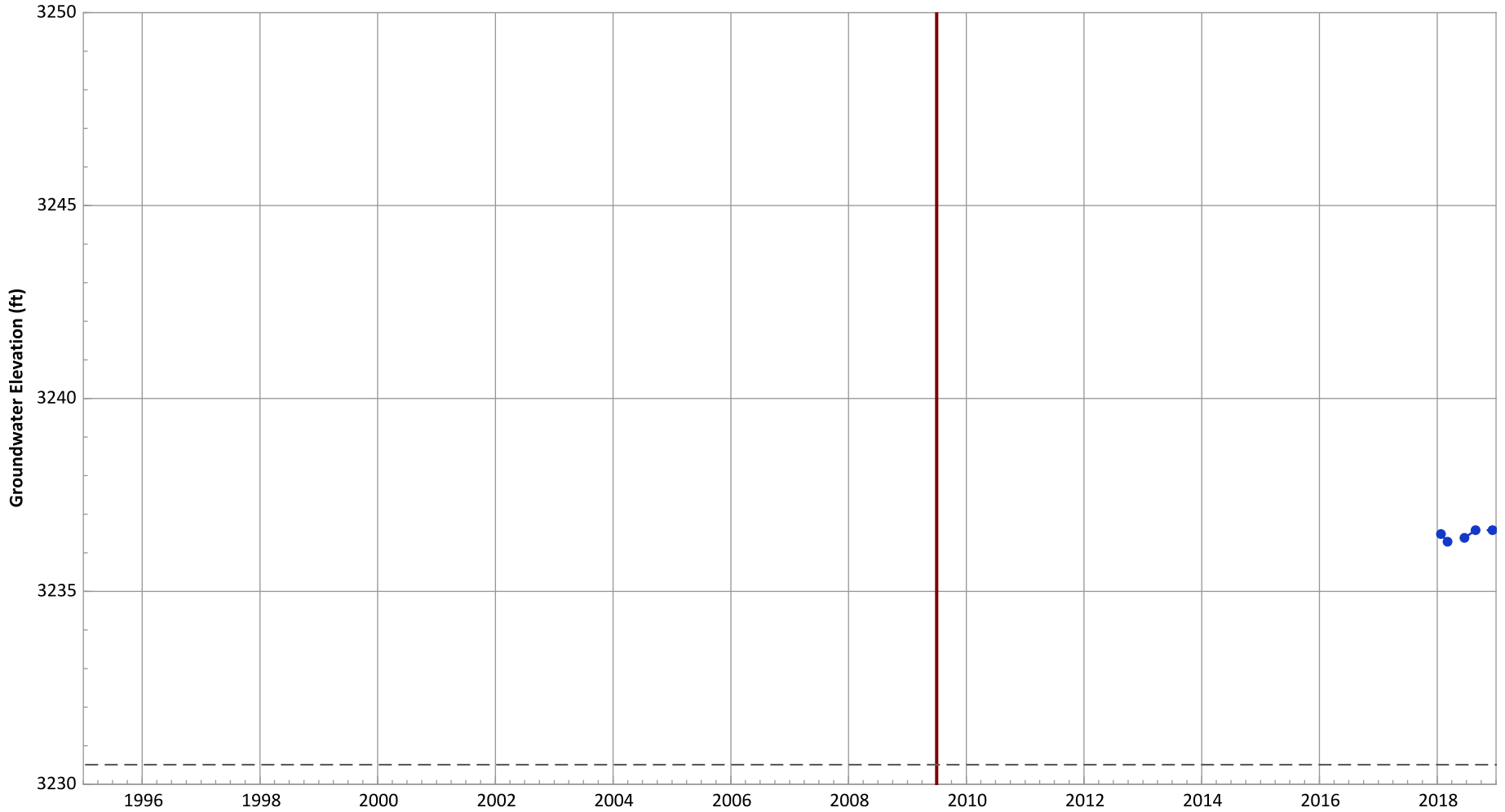
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): 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: 02/14/2019

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

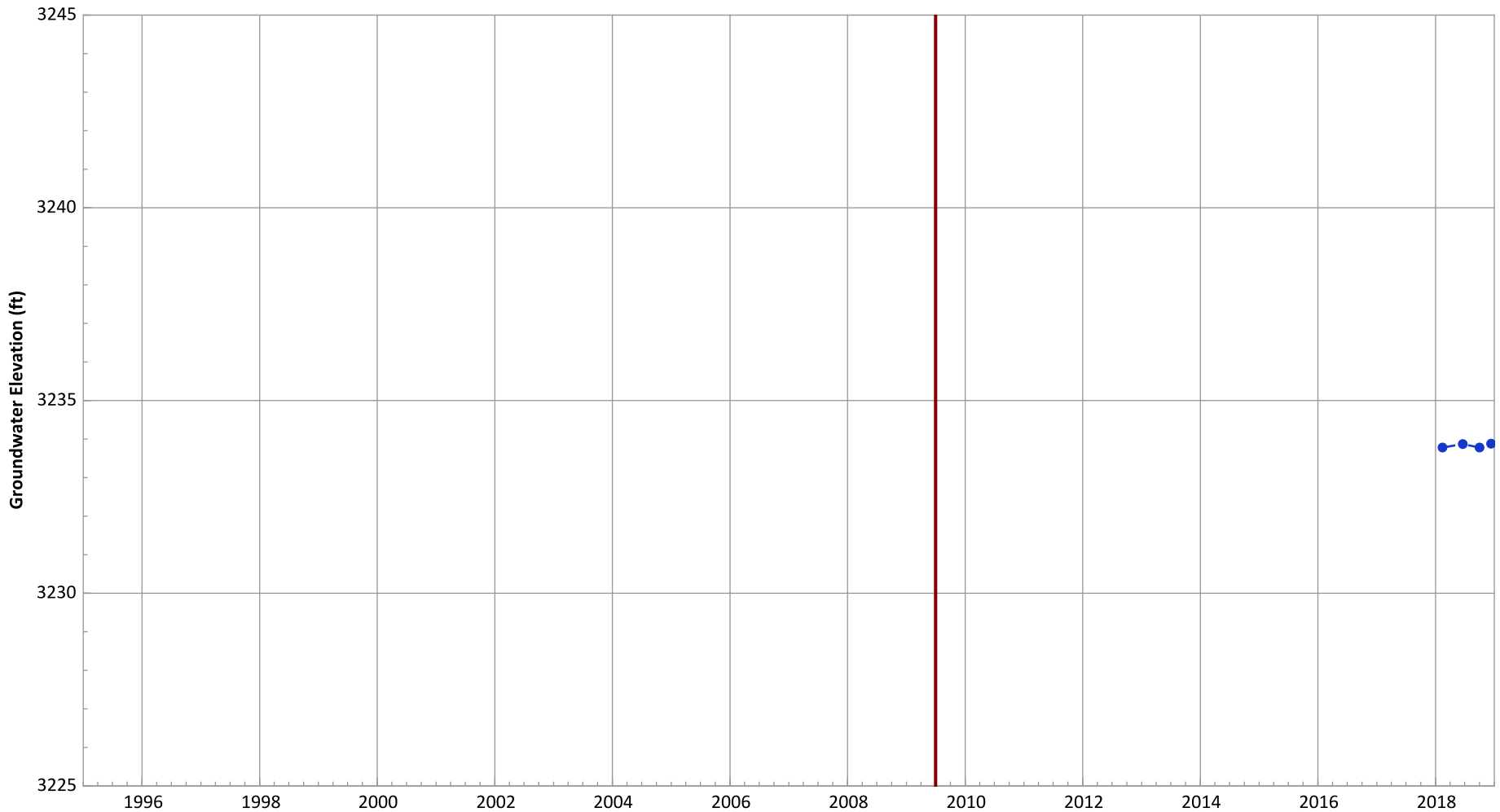
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.24 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.24 ft/yr

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

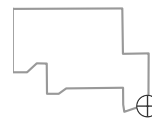


Notes:

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: 02/14/2019

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

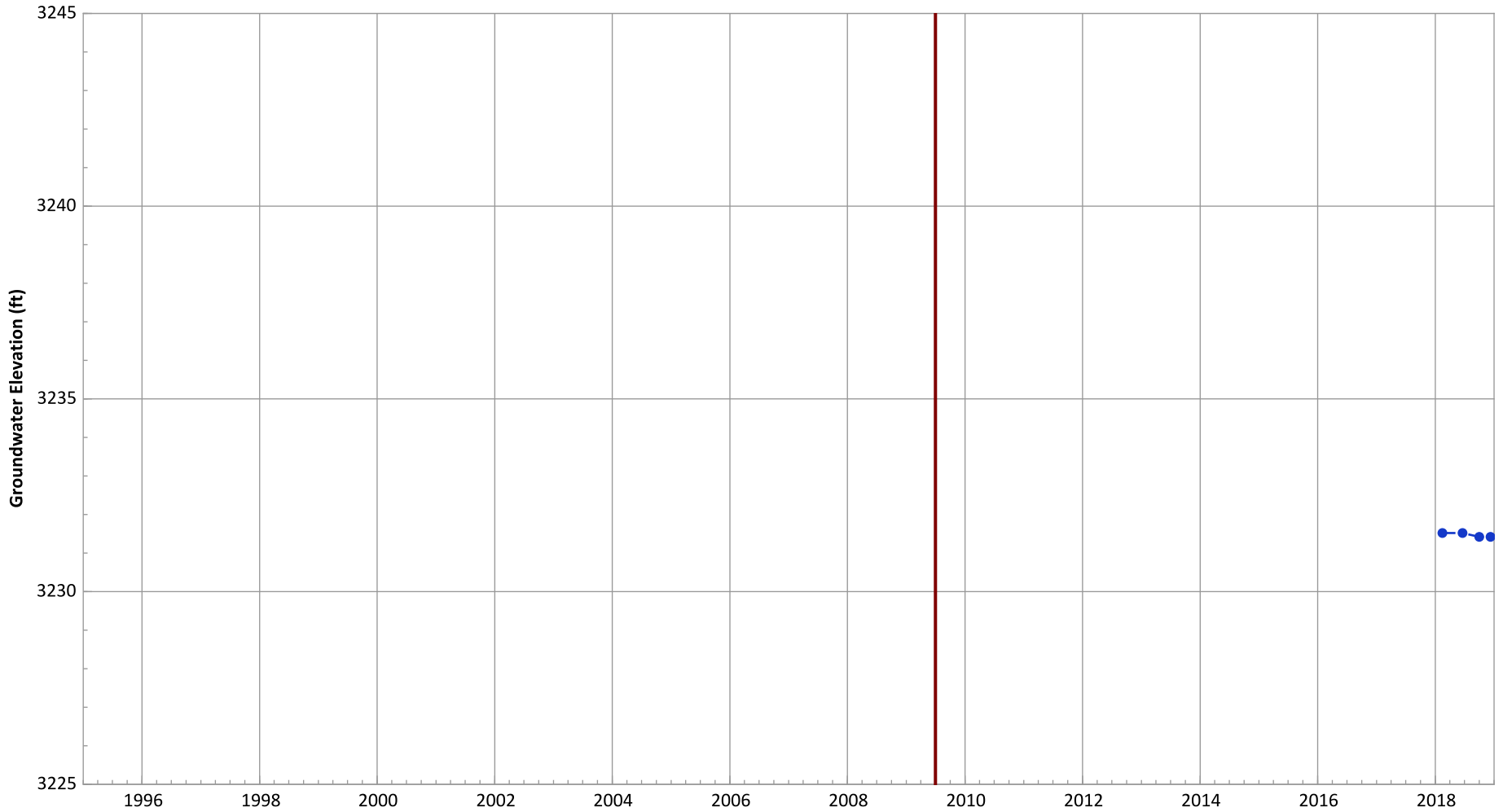
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

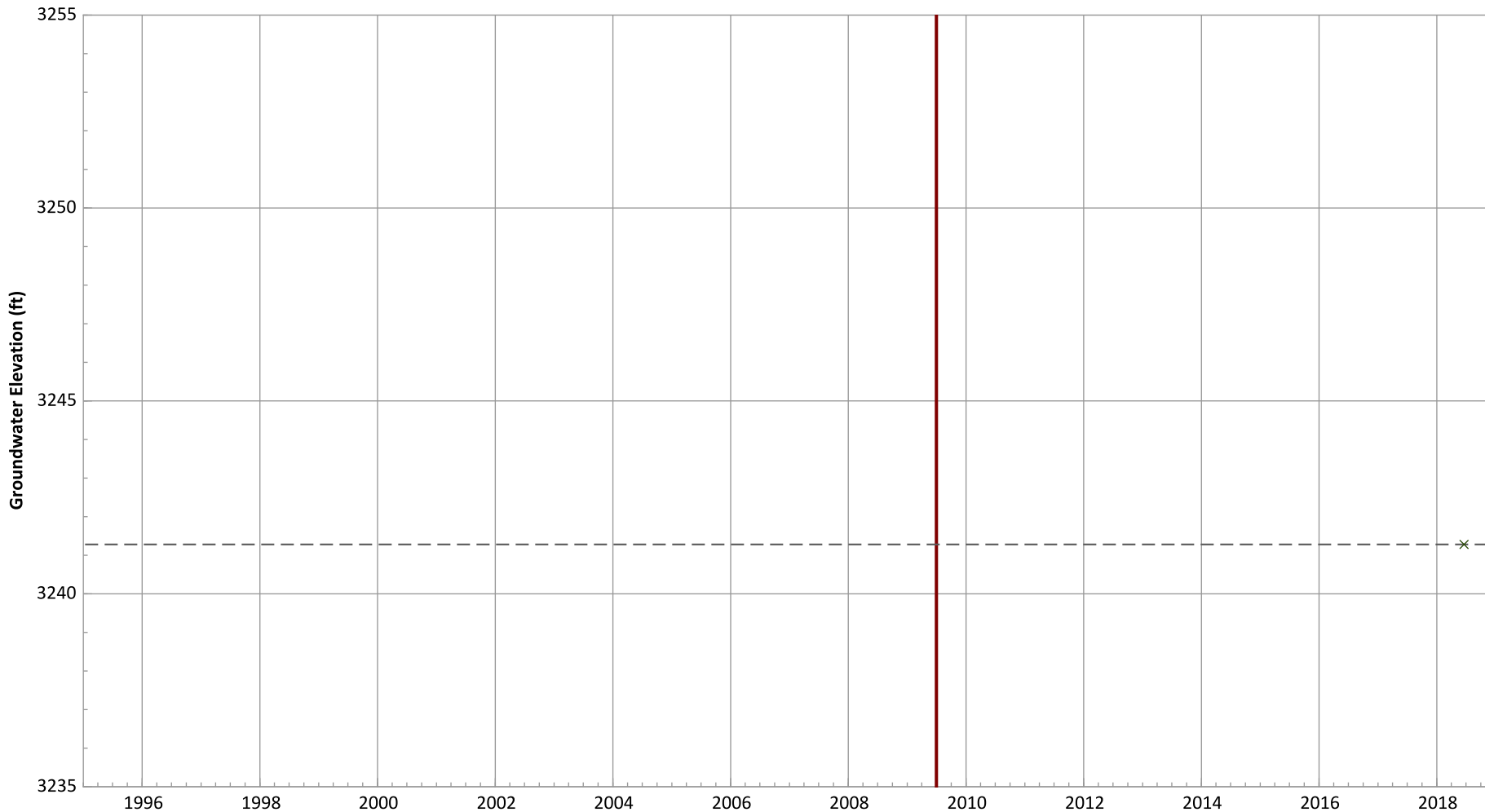
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.14 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.14 ft/yr

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

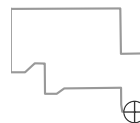


Notes:

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: 02/14/2019

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

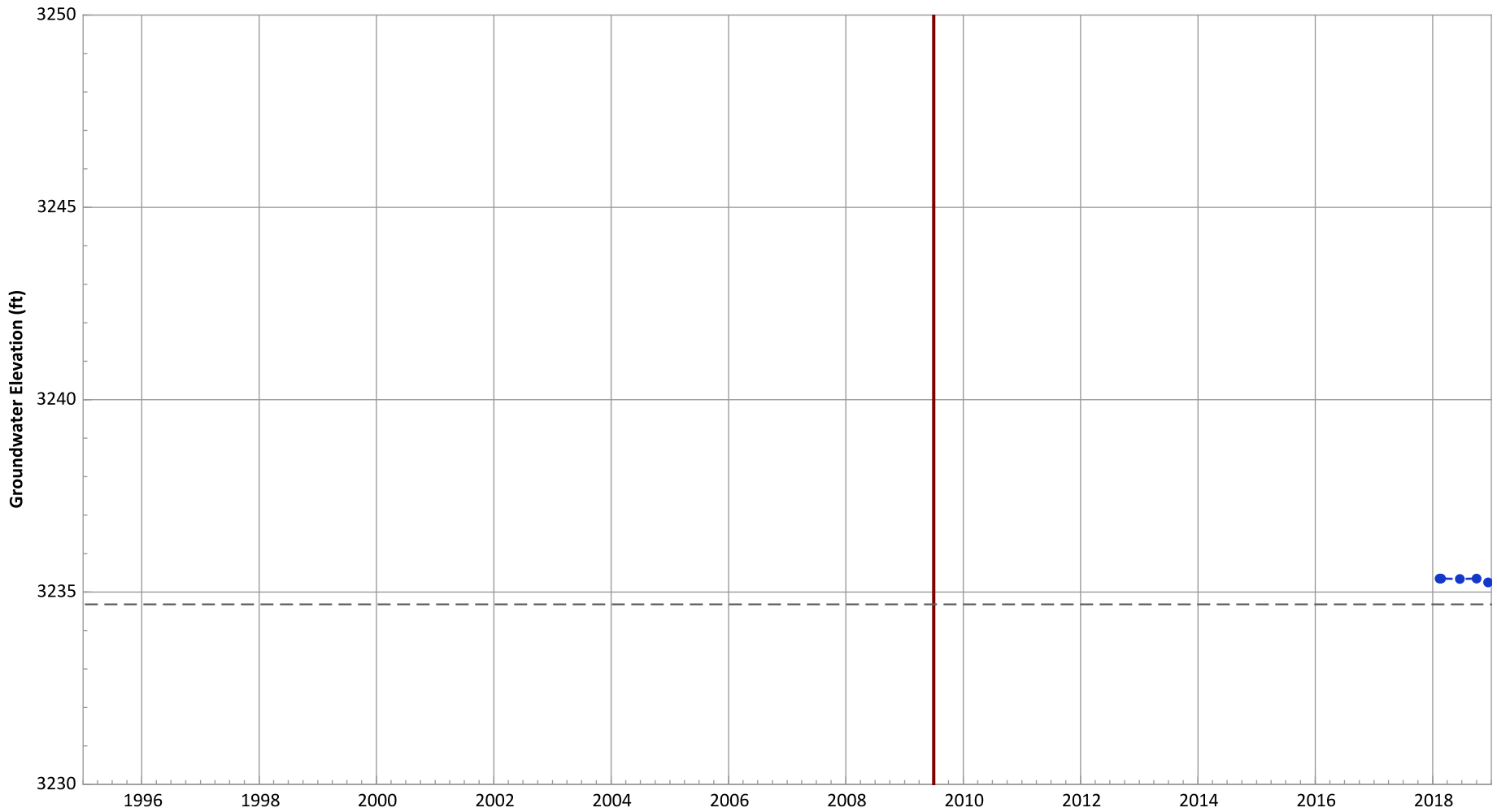
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

**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: 02/14/2019

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

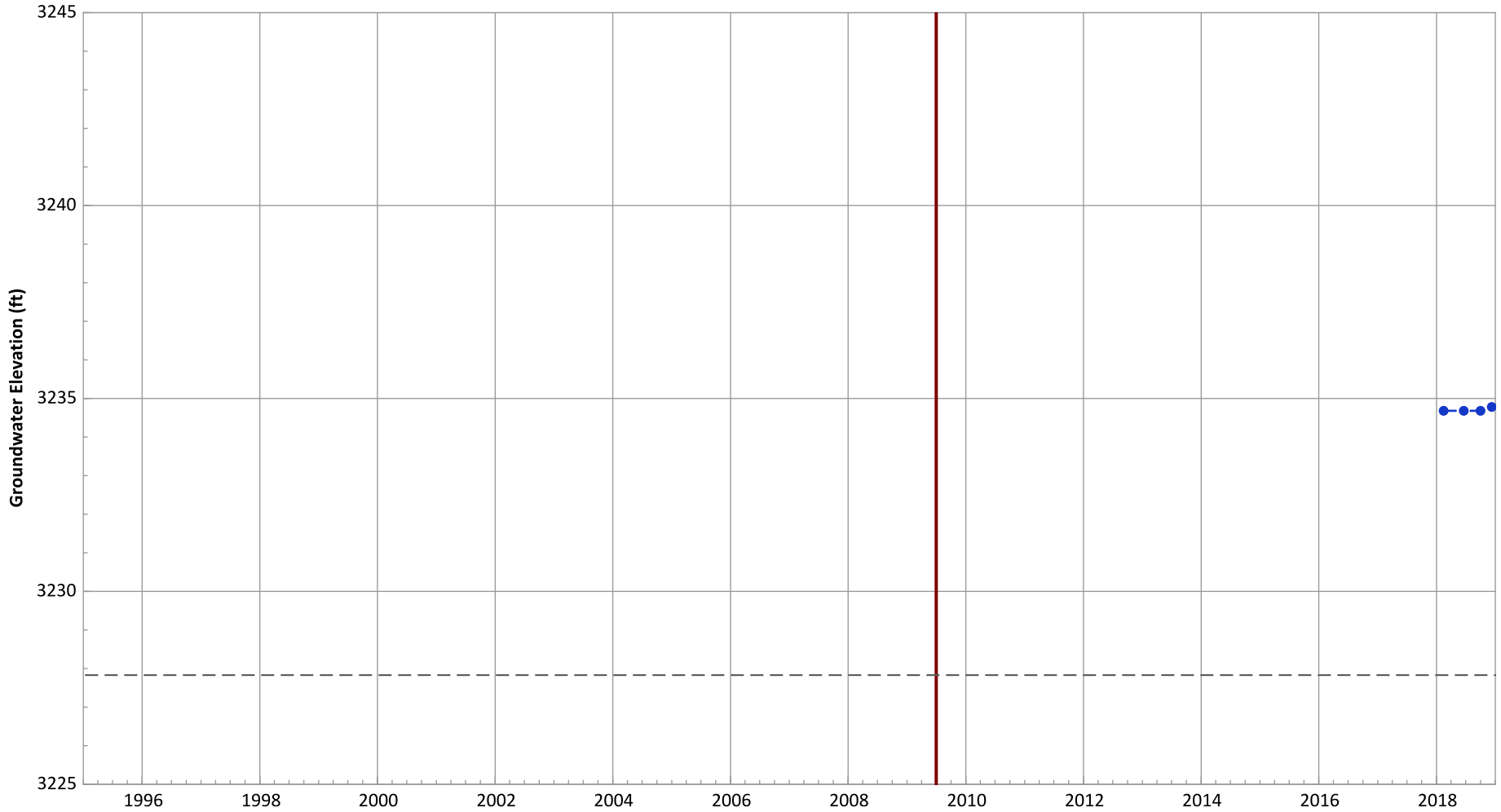
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): No Trend

**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: 02/14/2019

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

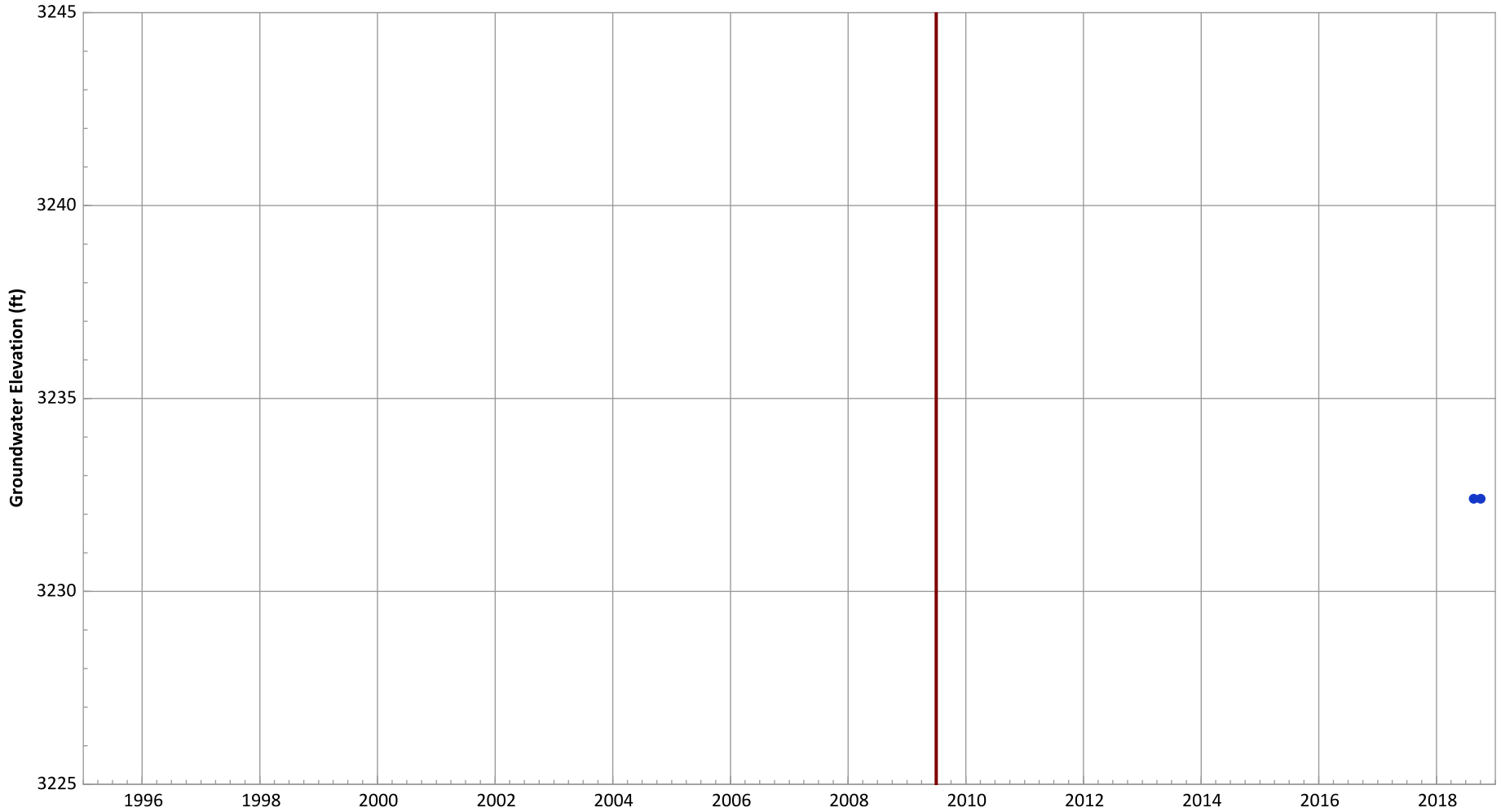
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): No Trend

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



Notes:

1. Top of screen elevation is 3237.12 ft msl.
 2. The bottom of screen elevation is 3222.12 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: 02/14/2019

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

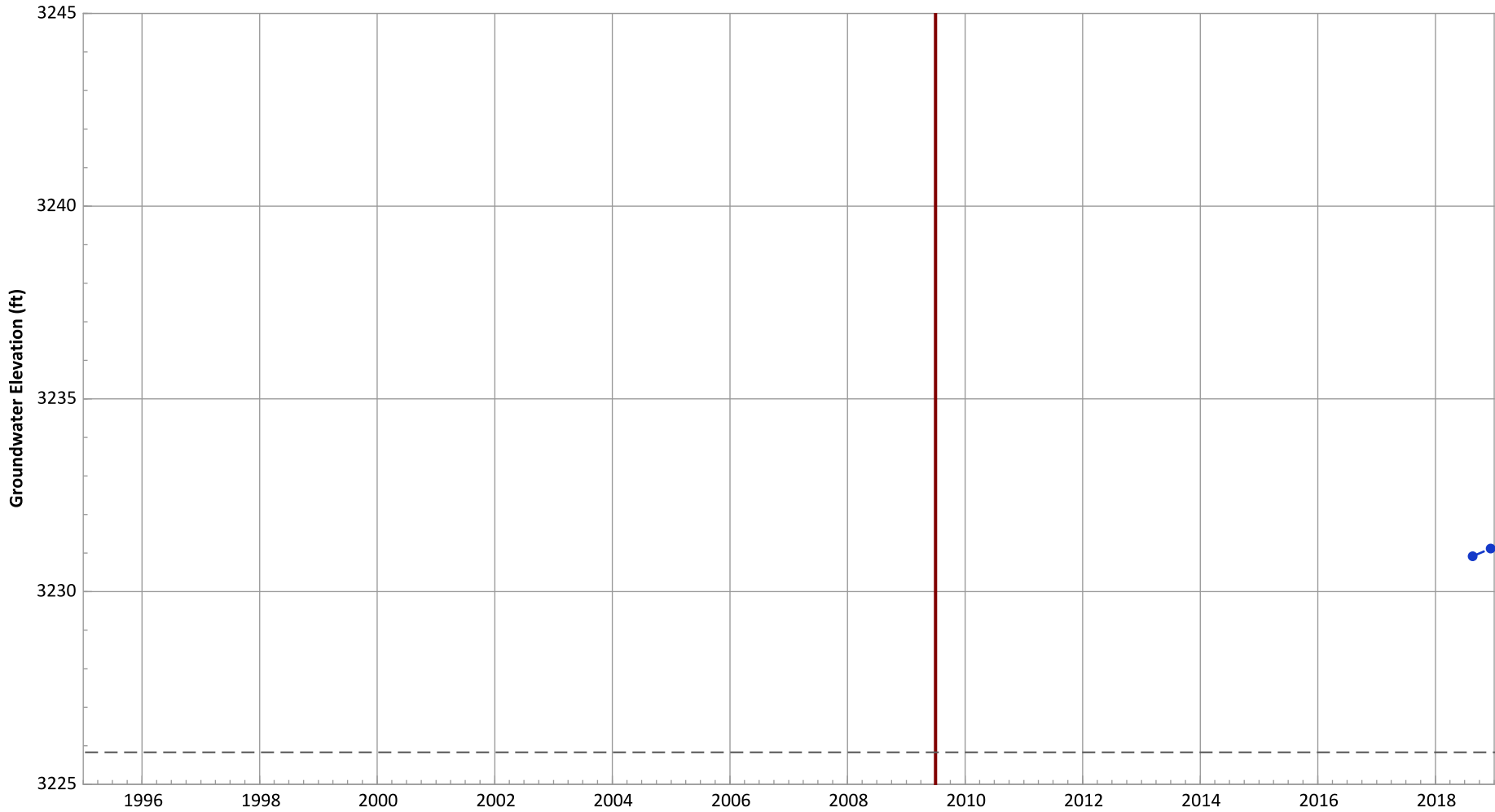
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: N/A (<3 Measurements)
Data (7/2009 - 12/2018): N/A (<3 Measurements)

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



Notes:

1. Top of screen elevation is 3240.83 ft msl.
 2. The bottom of screen elevation is 3225.83 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: 02/14/2019

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

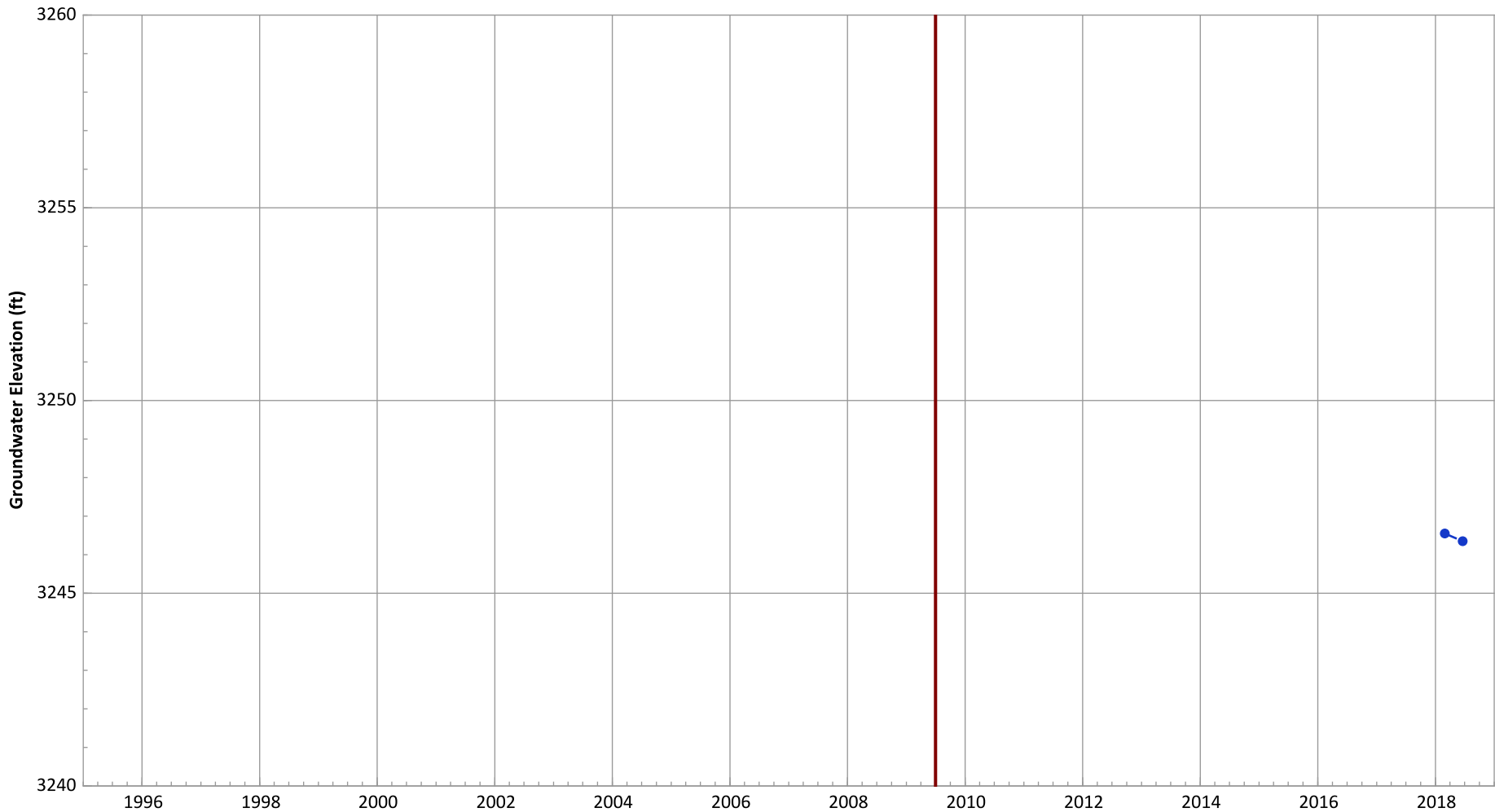
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (<3 Measurements)
 Data (7/2009 - 12/2018): N/A (<3 Measurements)

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

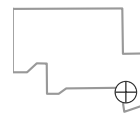


Notes:

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: 02/14/2019

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

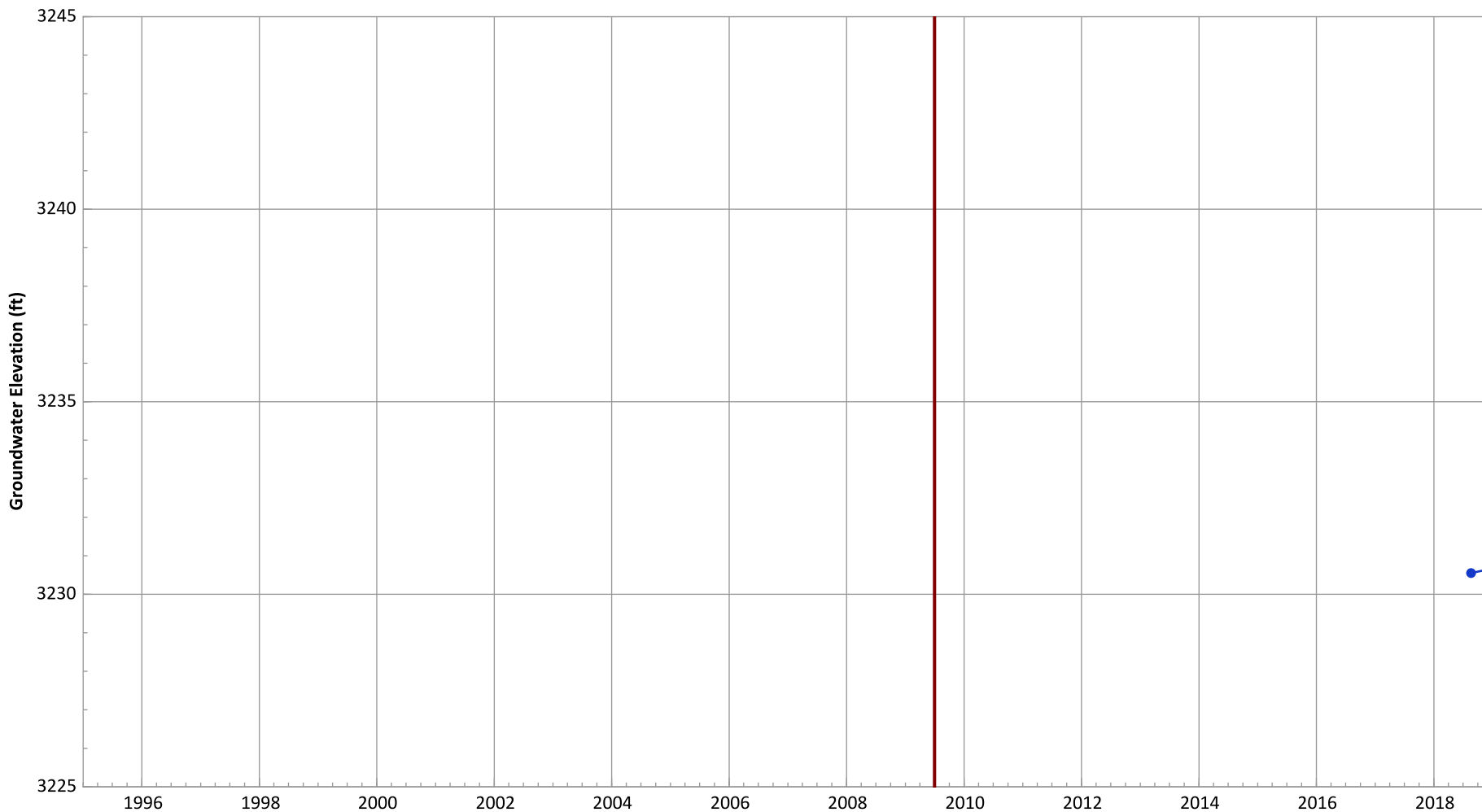
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (<3 Measurements)
 Data (7/2009 - 12/2018): N/A (<3 Measurements)

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



Notes:

1. Top of screen elevation is 3235.19 ft msl.
 2. The bottom of screen elevation is 3220.19 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: 02/14/2019

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

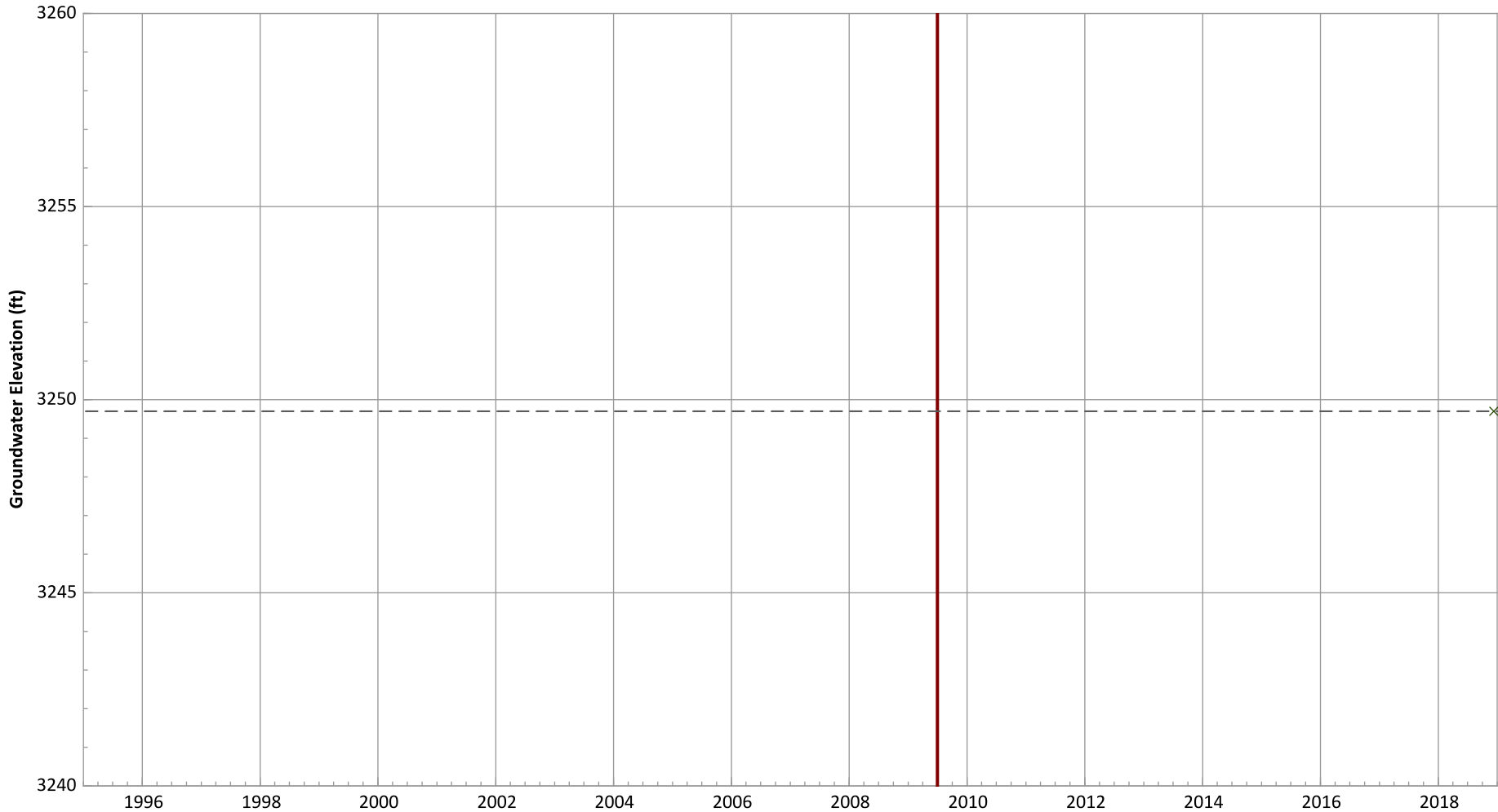
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (<3 Measurements)
 Data (7/2009 - 12/2018): N/A (<3 Measurements)

**PTX06-PRB14 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

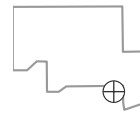


Notes:

1. Top of screen elevation is 3261.7 ft msl.
 2. The bottom of screen elevation is 3249.7 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: 02/14/2019

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

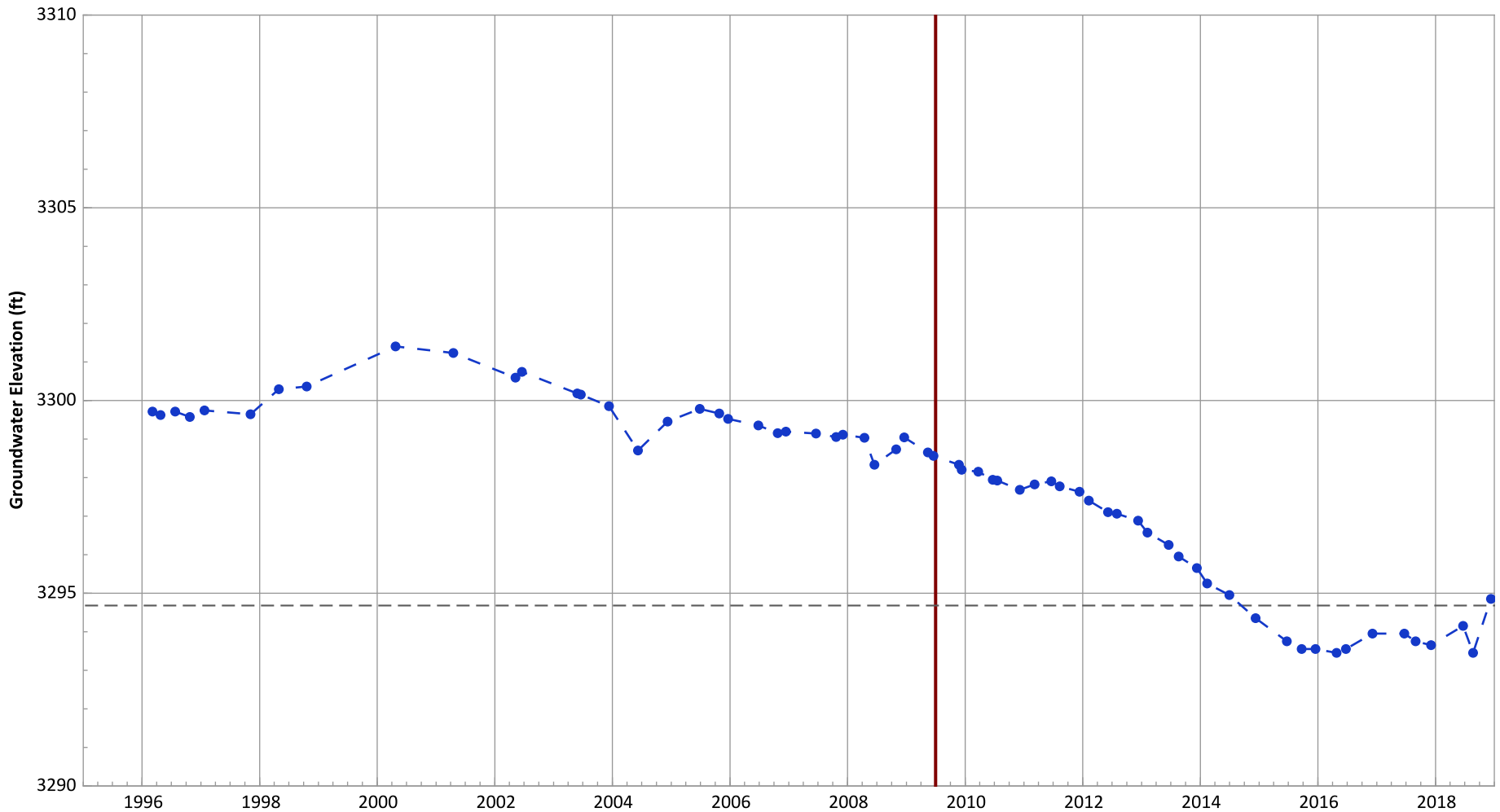
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (<3 Measurements)
 Data (7/2009 - 12/2018): N/A (<3 Measurements)

**PTX07-1001 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

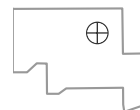


Notes:

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: 02/14/2019

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

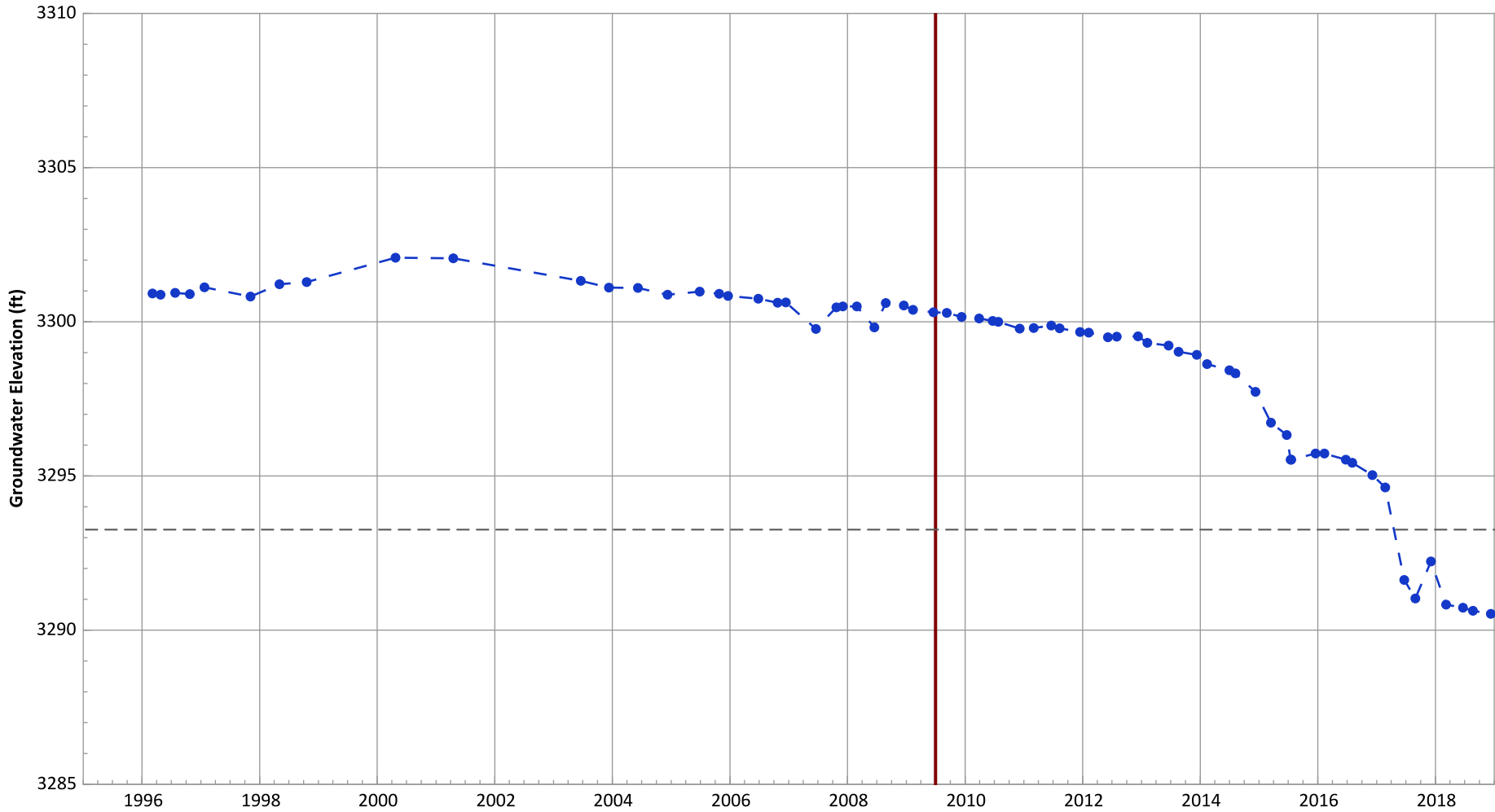
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.41 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.6 ft/yr

**PTX07-1002 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

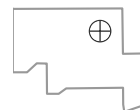


Notes:

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: 02/14/2019

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

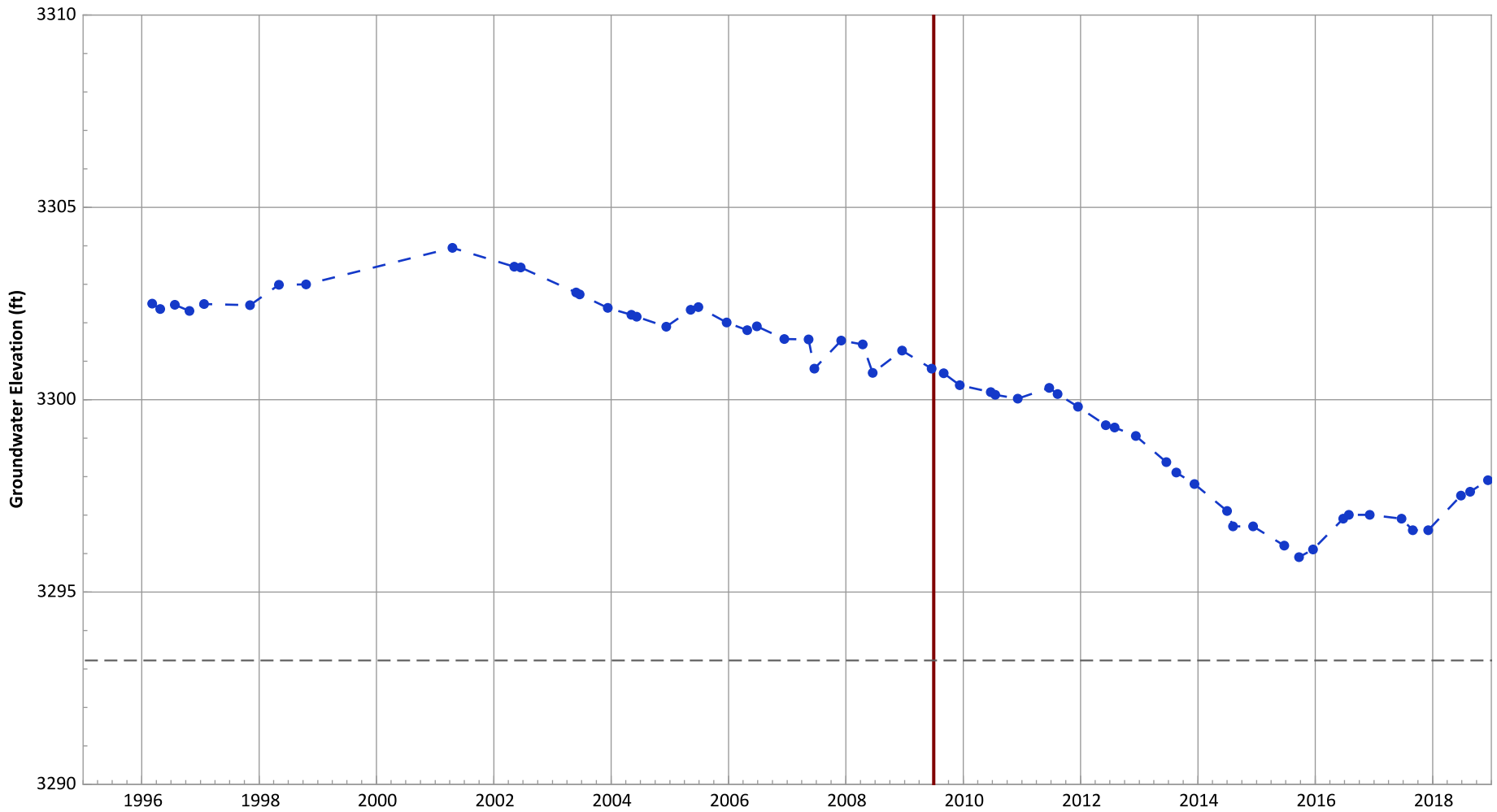
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.73 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.11 ft/yr

**PTX07-1003 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

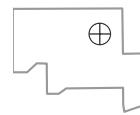


Notes:

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: 02/14/2019

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

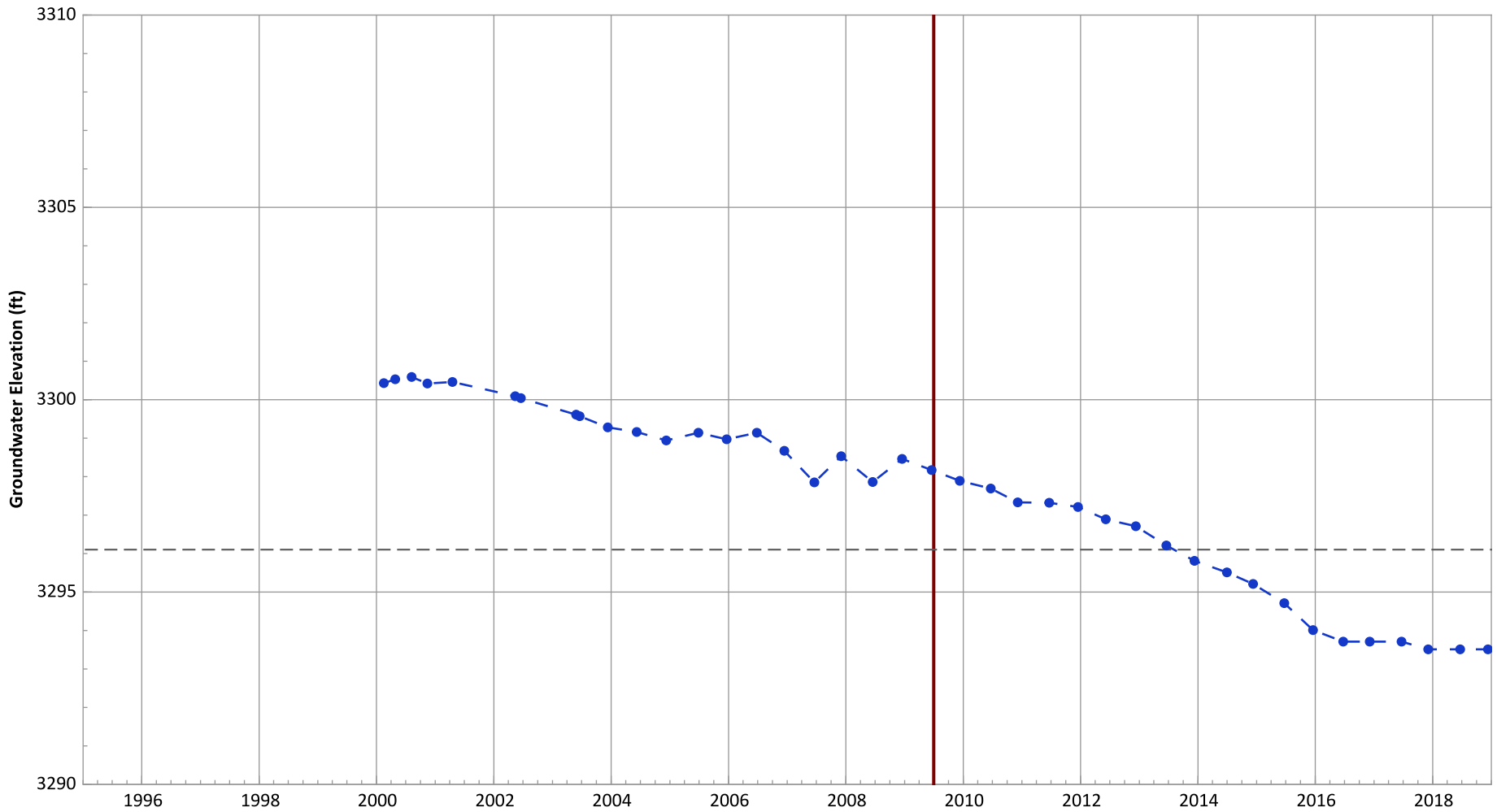
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.86 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.46 ft/yr

**PTX07-1004 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

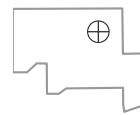


Notes:

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: 02/14/2019

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

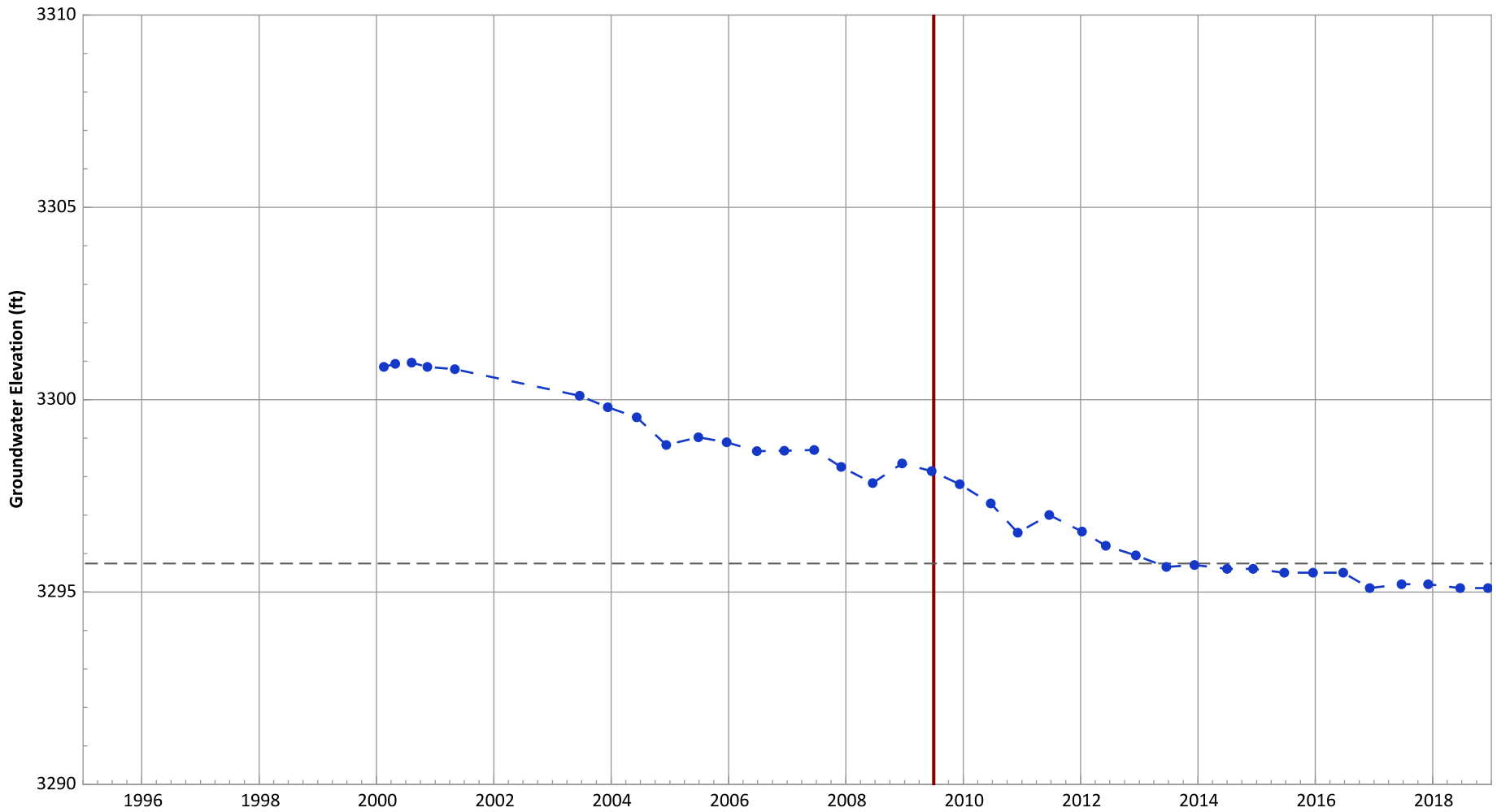
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.12 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.57 ft/yr

**PTX07-1005 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

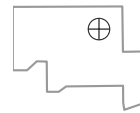


Notes:

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: 02/14/2019

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

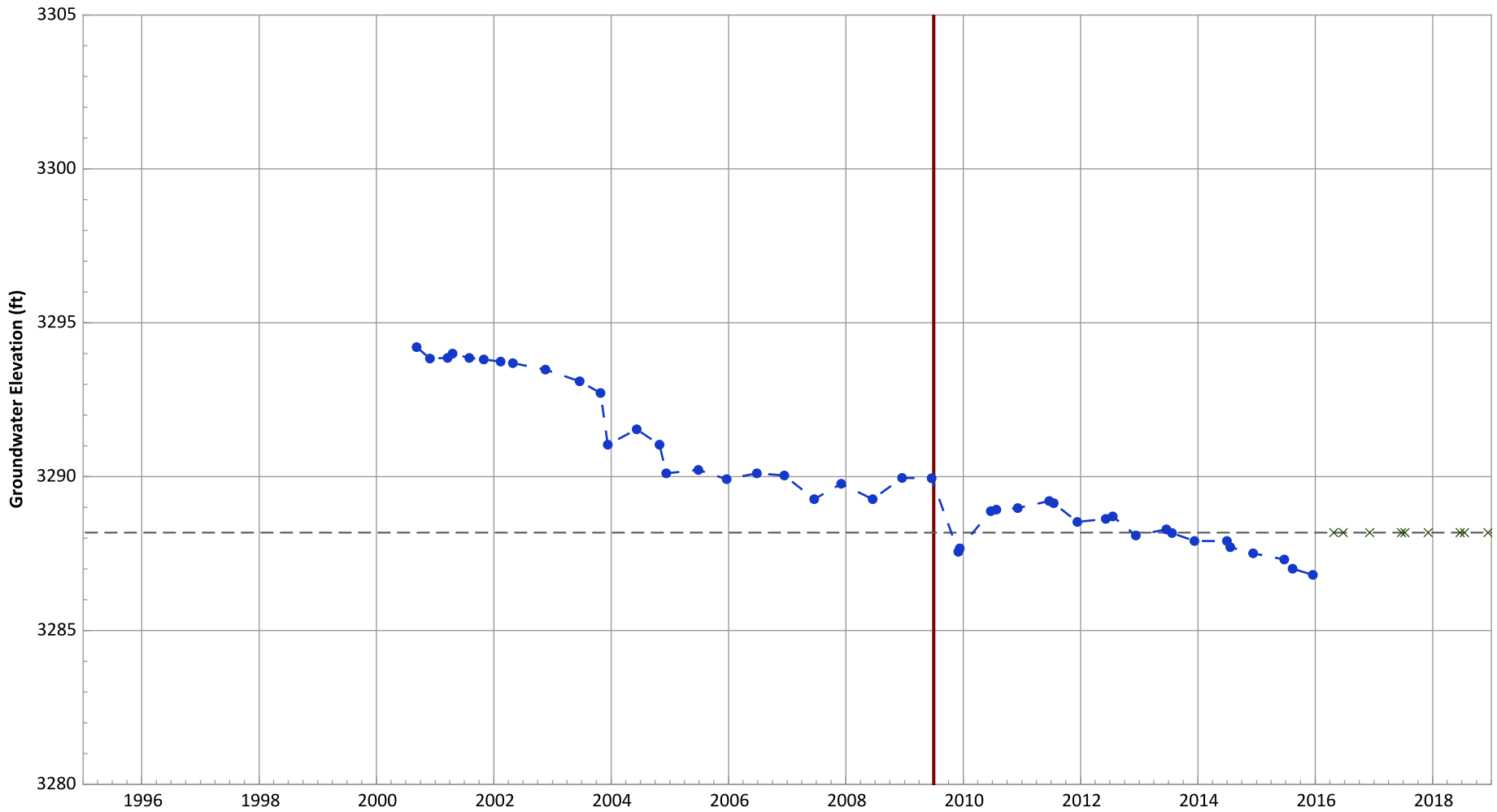
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.26 ft/yr

**PTX07-1006 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

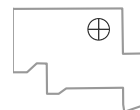


Notes:

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: 02/14/2019

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

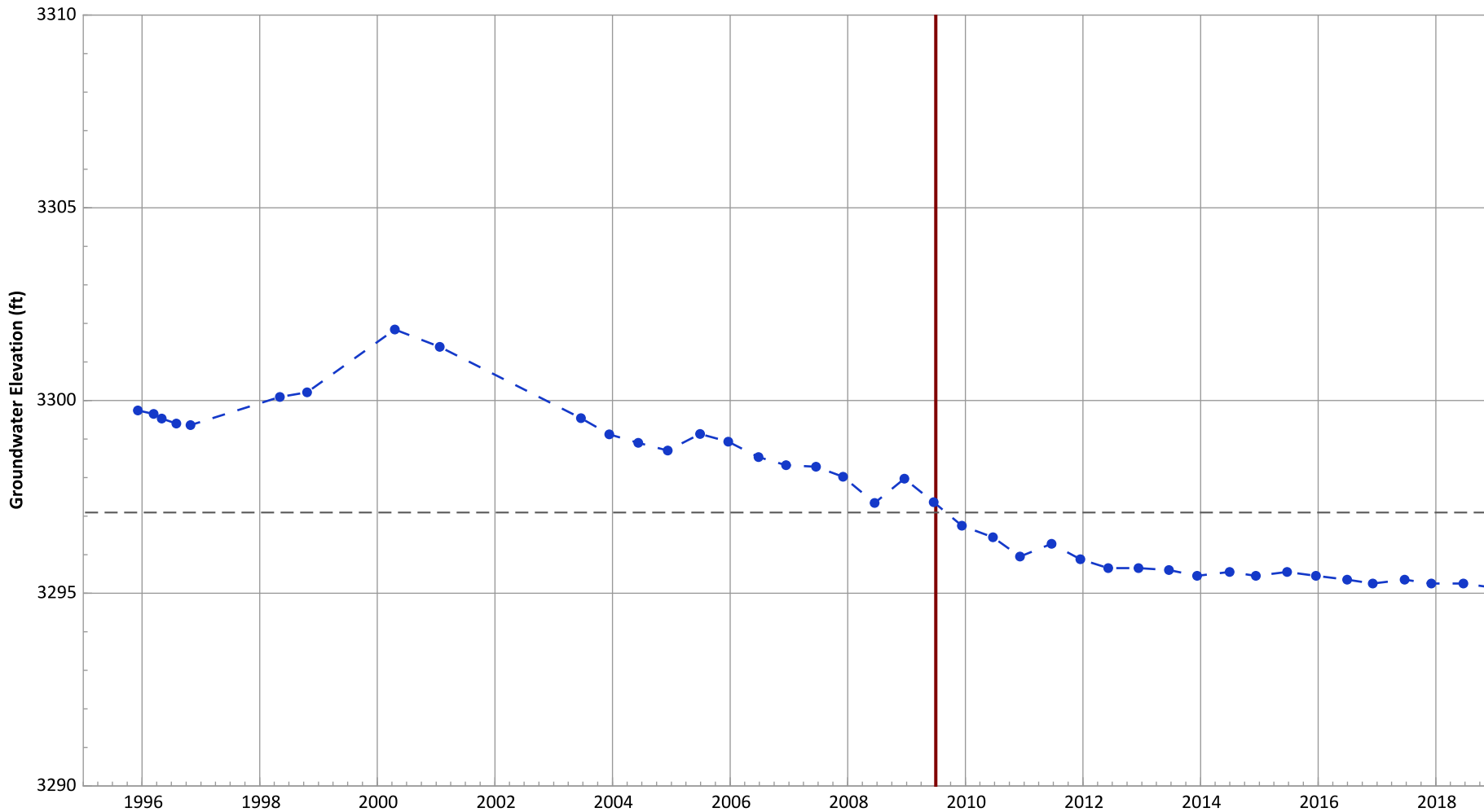
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): Decreasing at 0.24 ft/yr

**PTX07-1P01 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

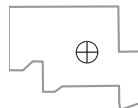


Notes:

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: 02/14/2019

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

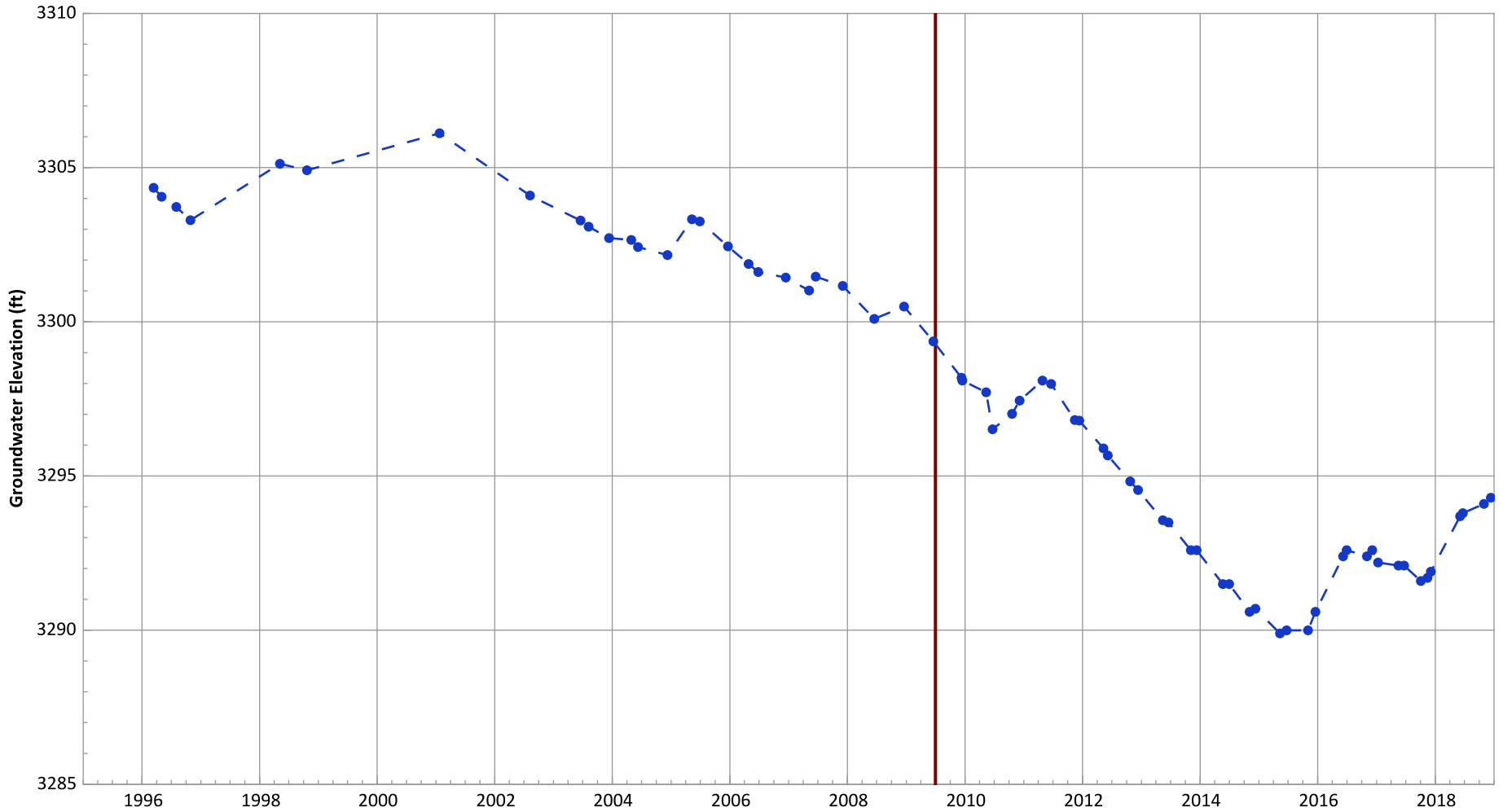
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.12 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.14 ft/yr

**PTX07-1P02 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

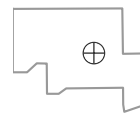


Notes:

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: 02/14/2019

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

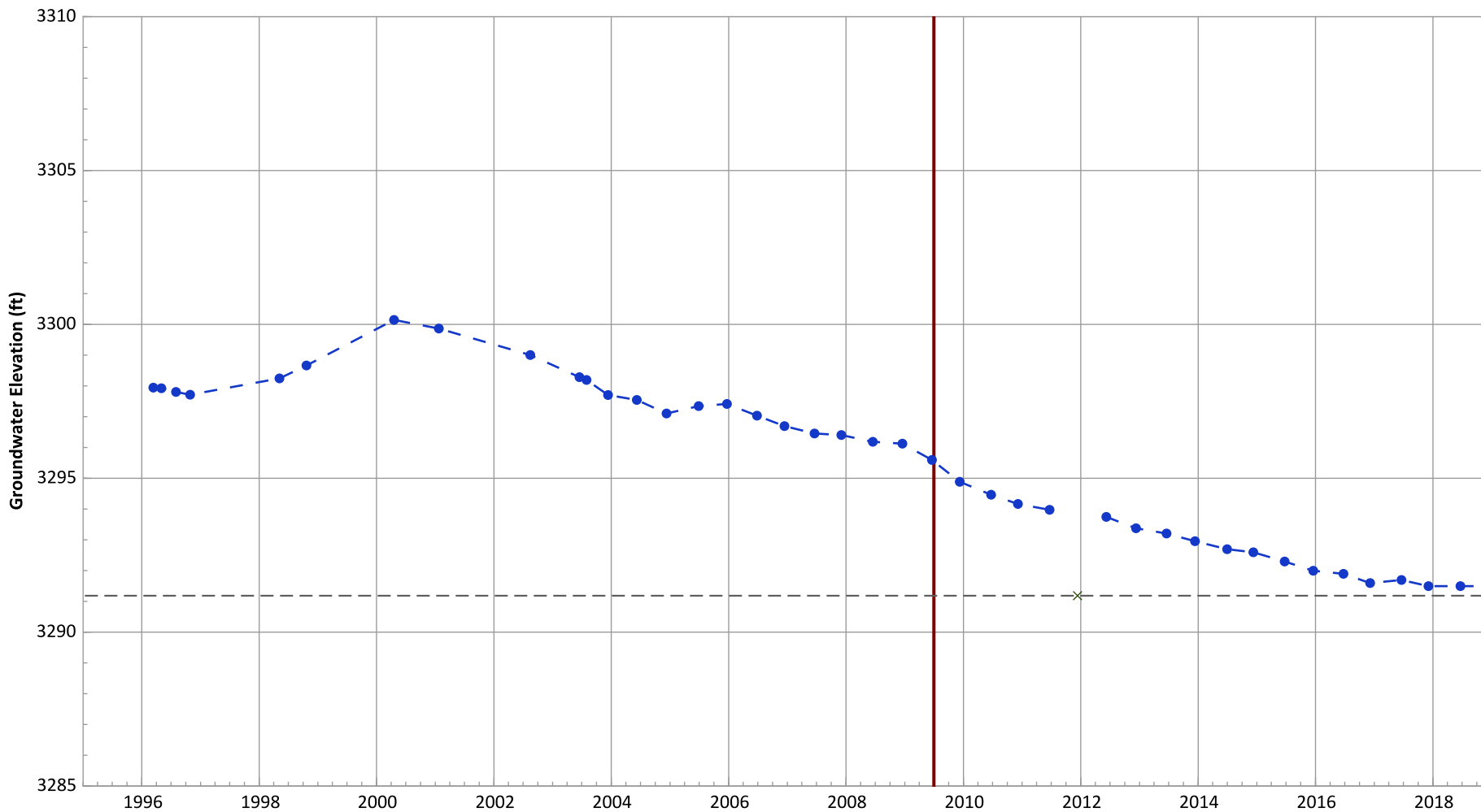
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 1.43 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.68 ft/yr

**PTX07-1P03 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

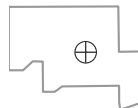


Notes:

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: 02/14/2019

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

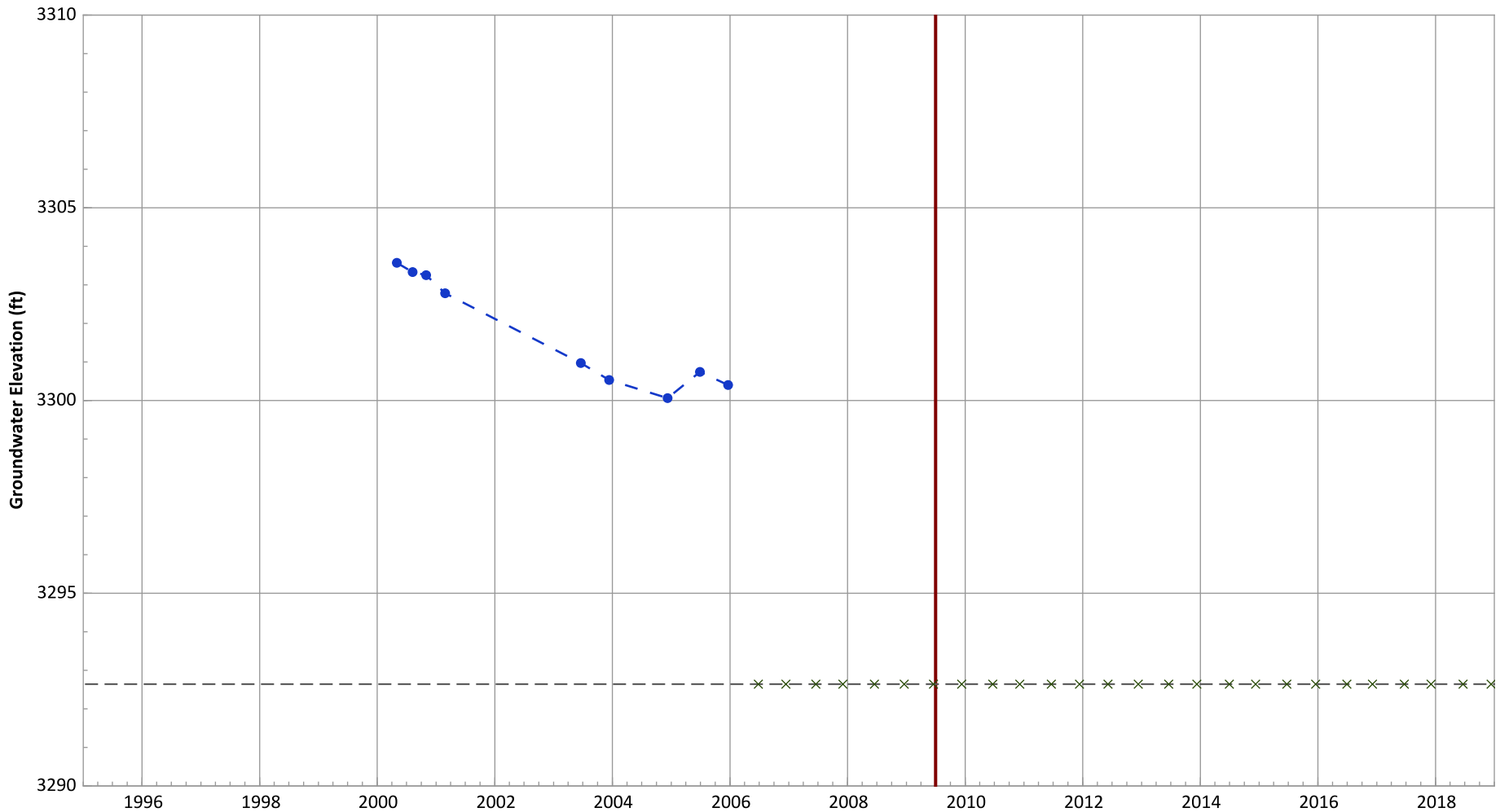
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.12 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.39 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: 02/14/2019

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

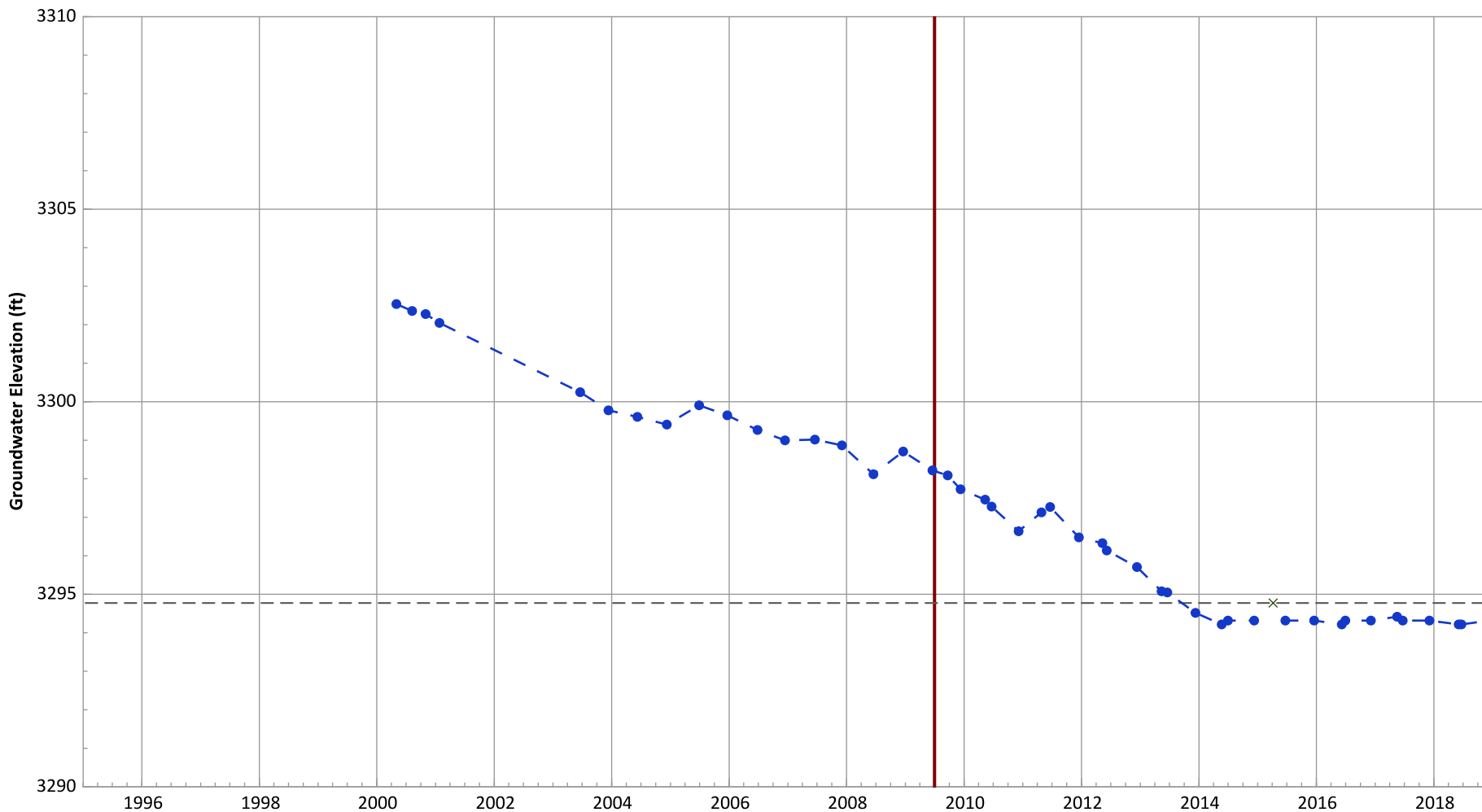
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: N/A (No Measurements)
 Data (7/2009 - 12/2018): N/A (No Measurements)

**PTX07-1P05 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

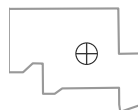


Notes:

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: 02/14/2019

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

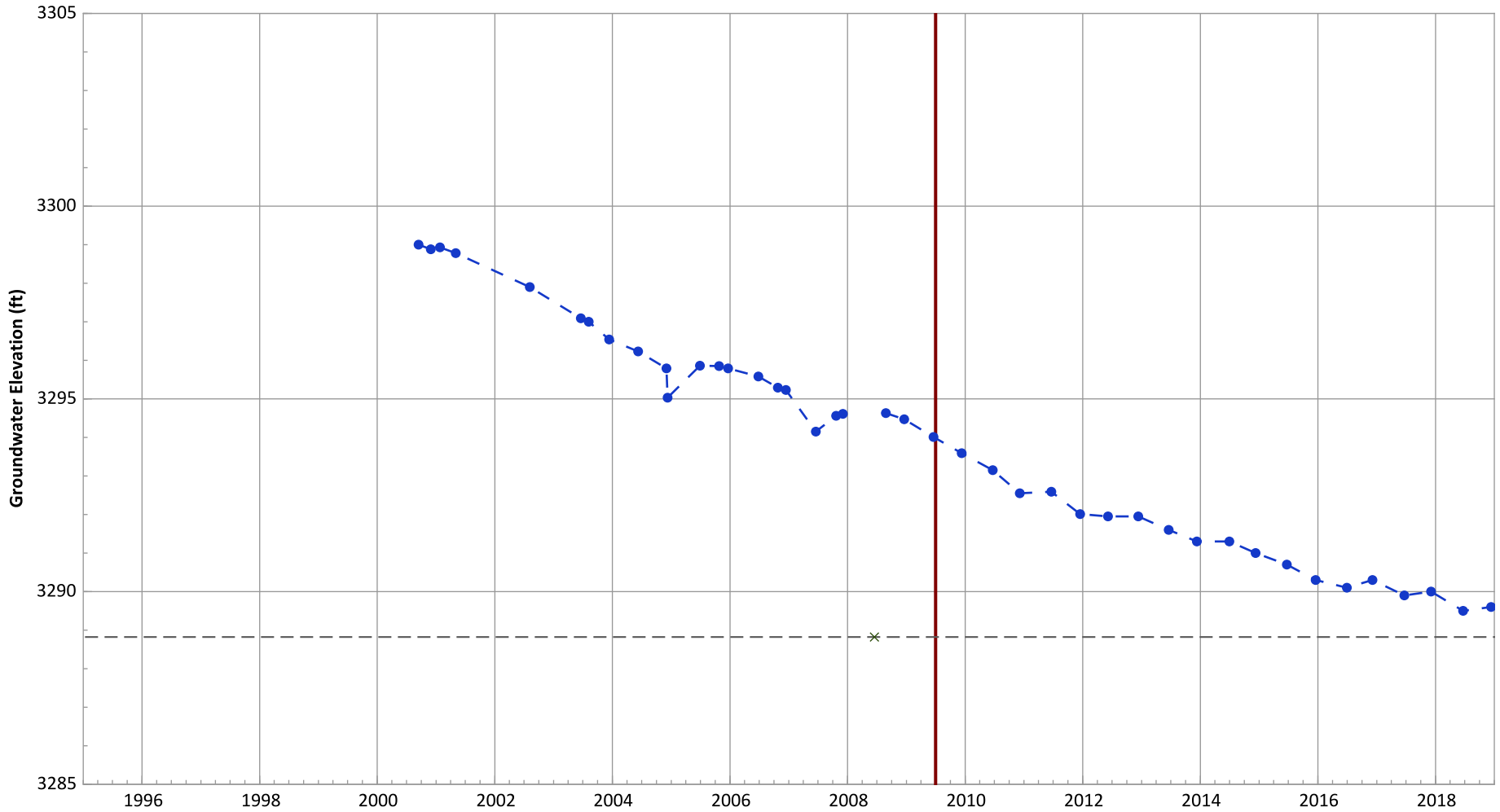
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.42 ft/yr

**PTX07-1P06 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

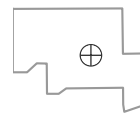


Notes:

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: 02/14/2019

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

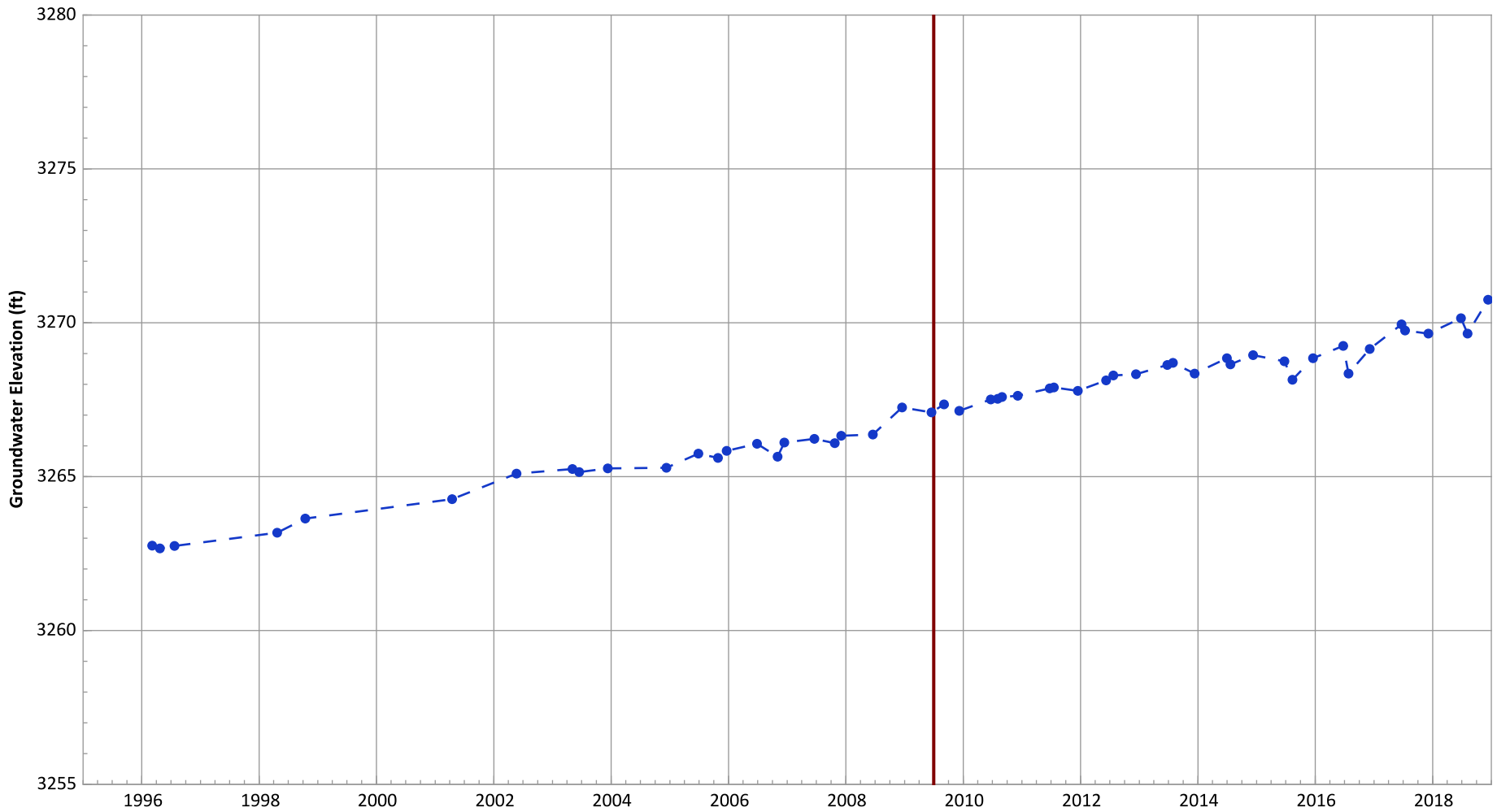
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.29 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.43 ft/yr

**PTX07-1Q01 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

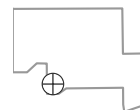


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

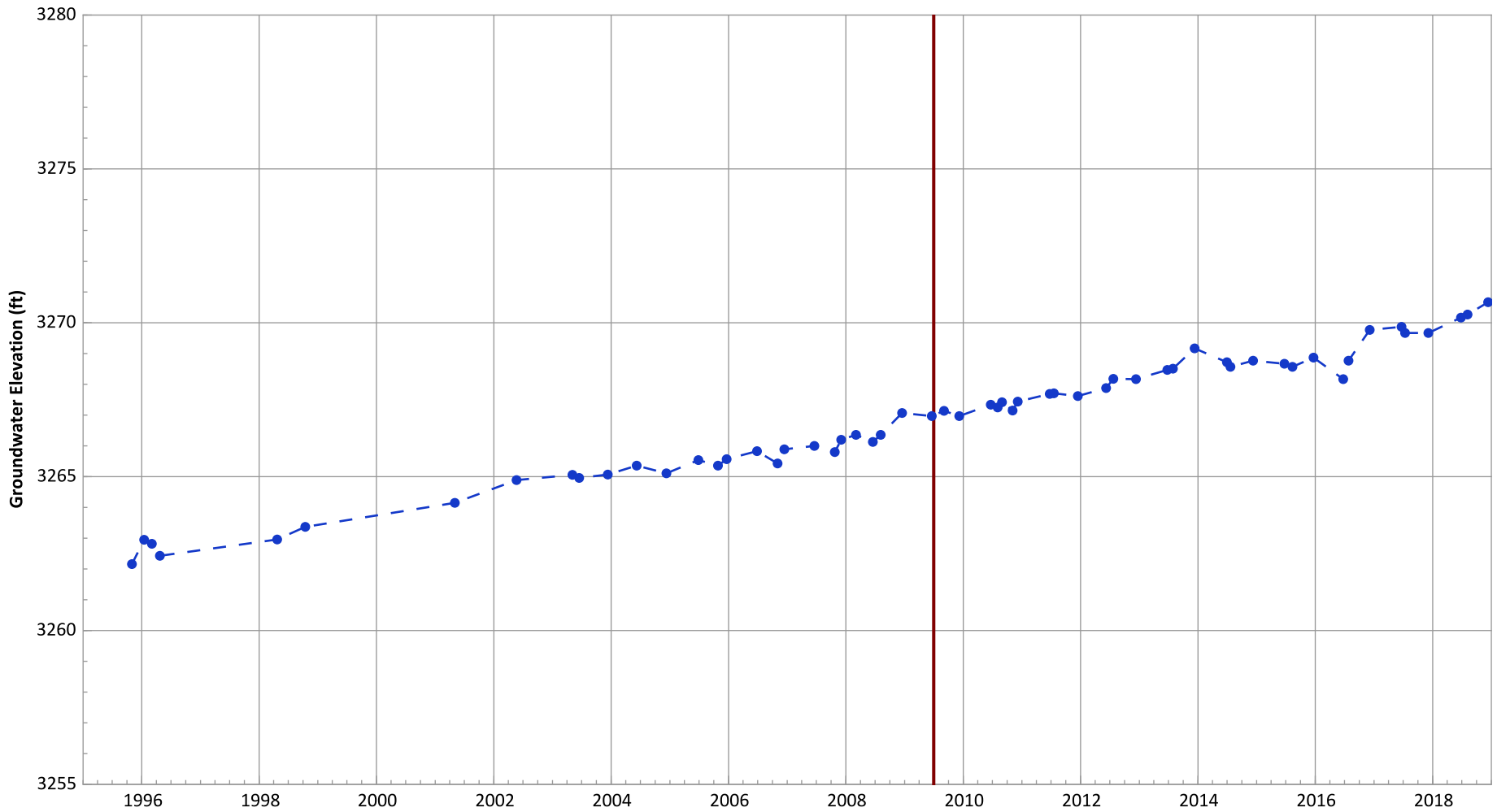
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.41 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.29 ft/yr

**PTX07-1Q02 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

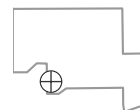


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

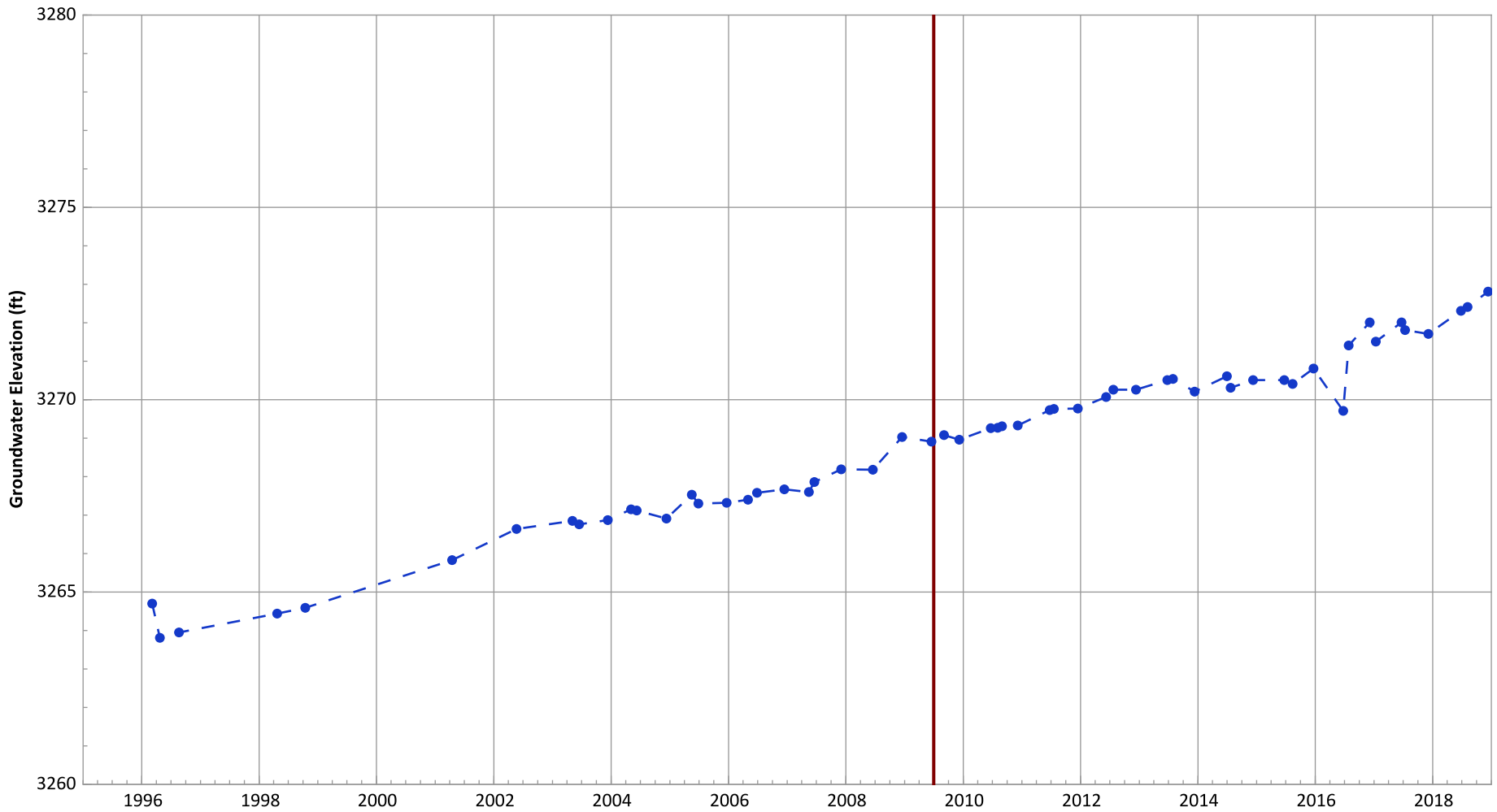
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.58 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.34 ft/yr

PTX07-1Q03 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant

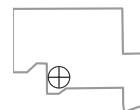


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

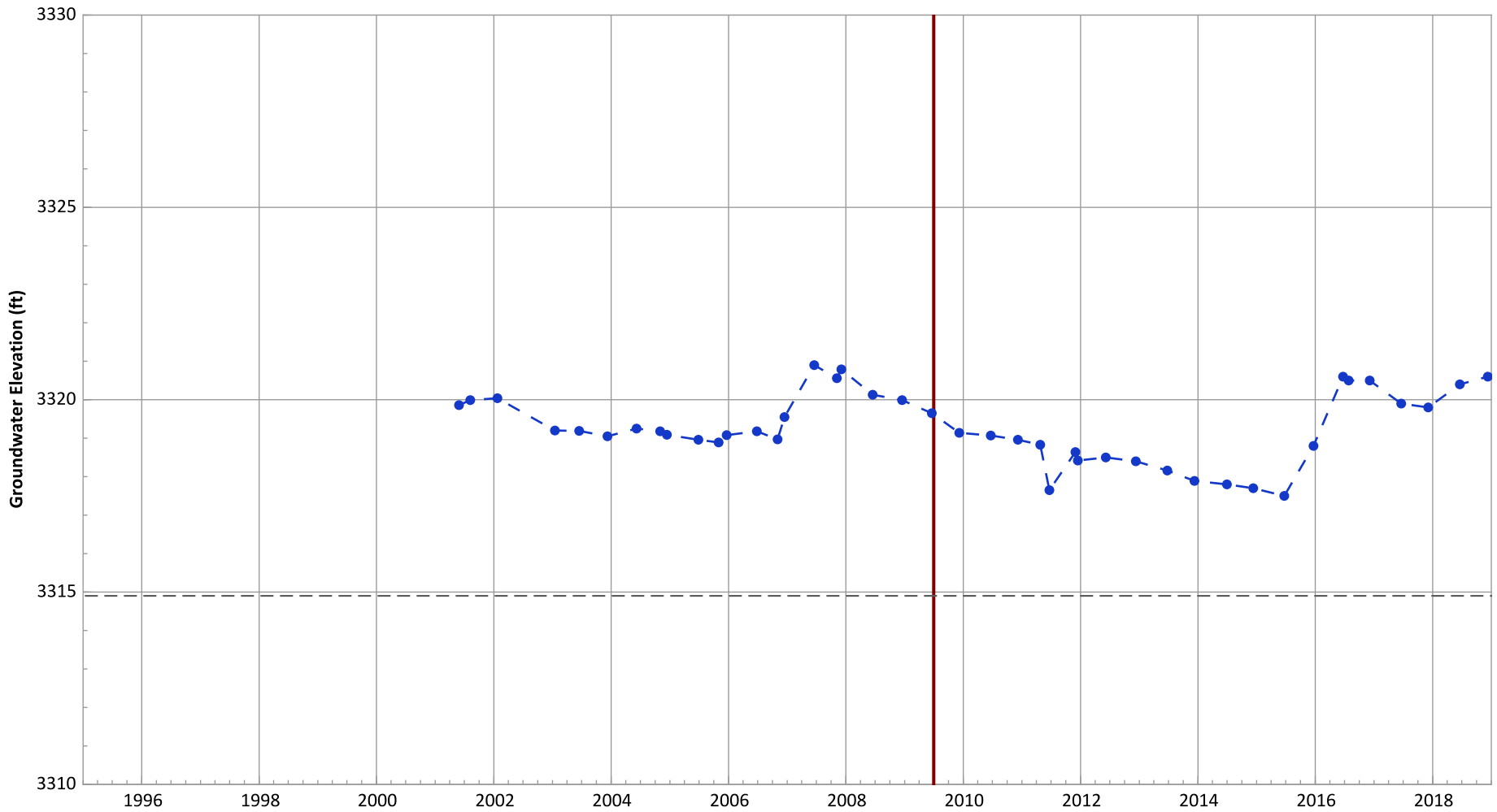
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Increasing at 0.59 ft/yr
Data (7/2009 - 12/2018): Increasing at 0.35 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: 02/14/2019

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

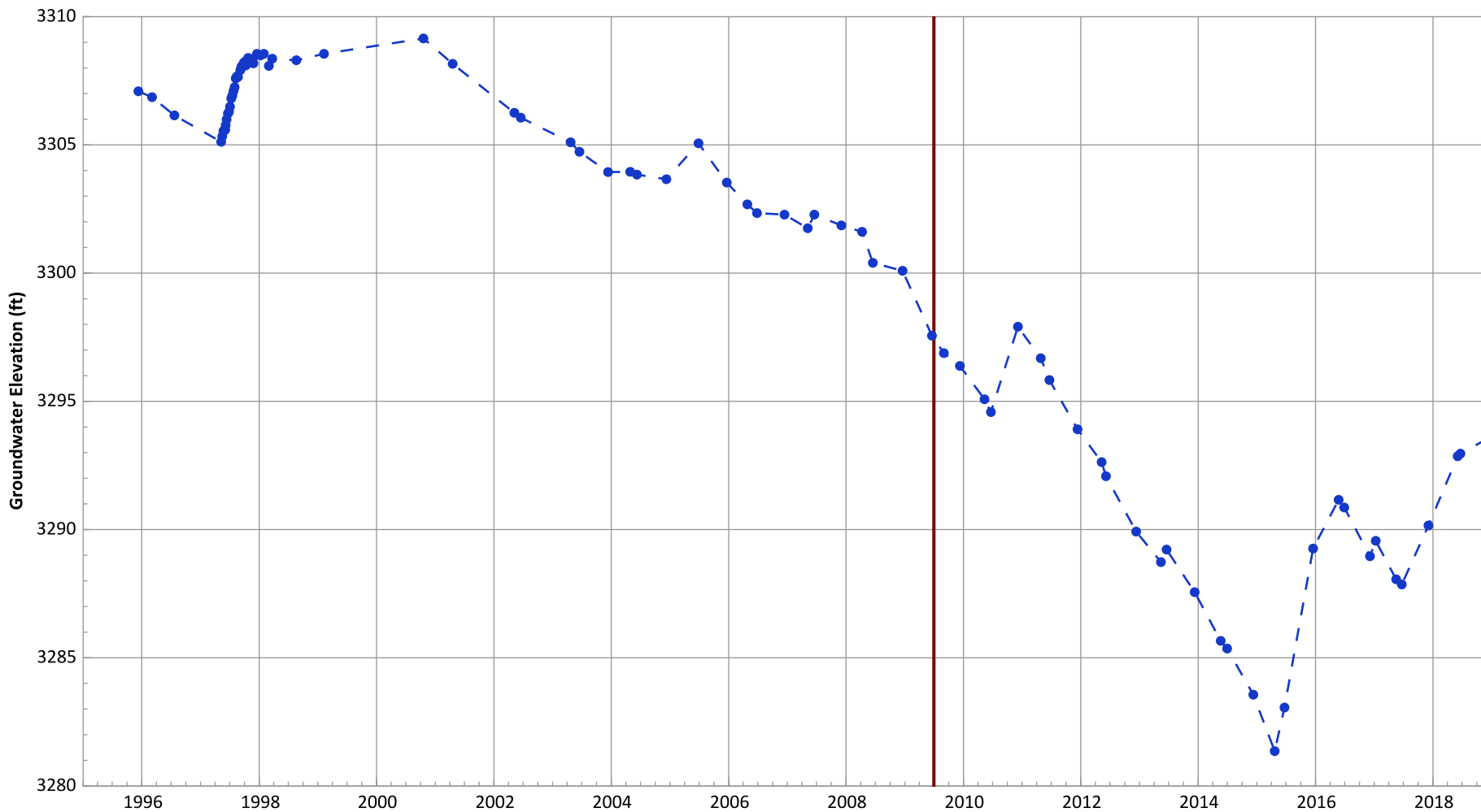
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.55 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.22 ft/yr

**PTX08-1001 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

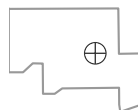


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

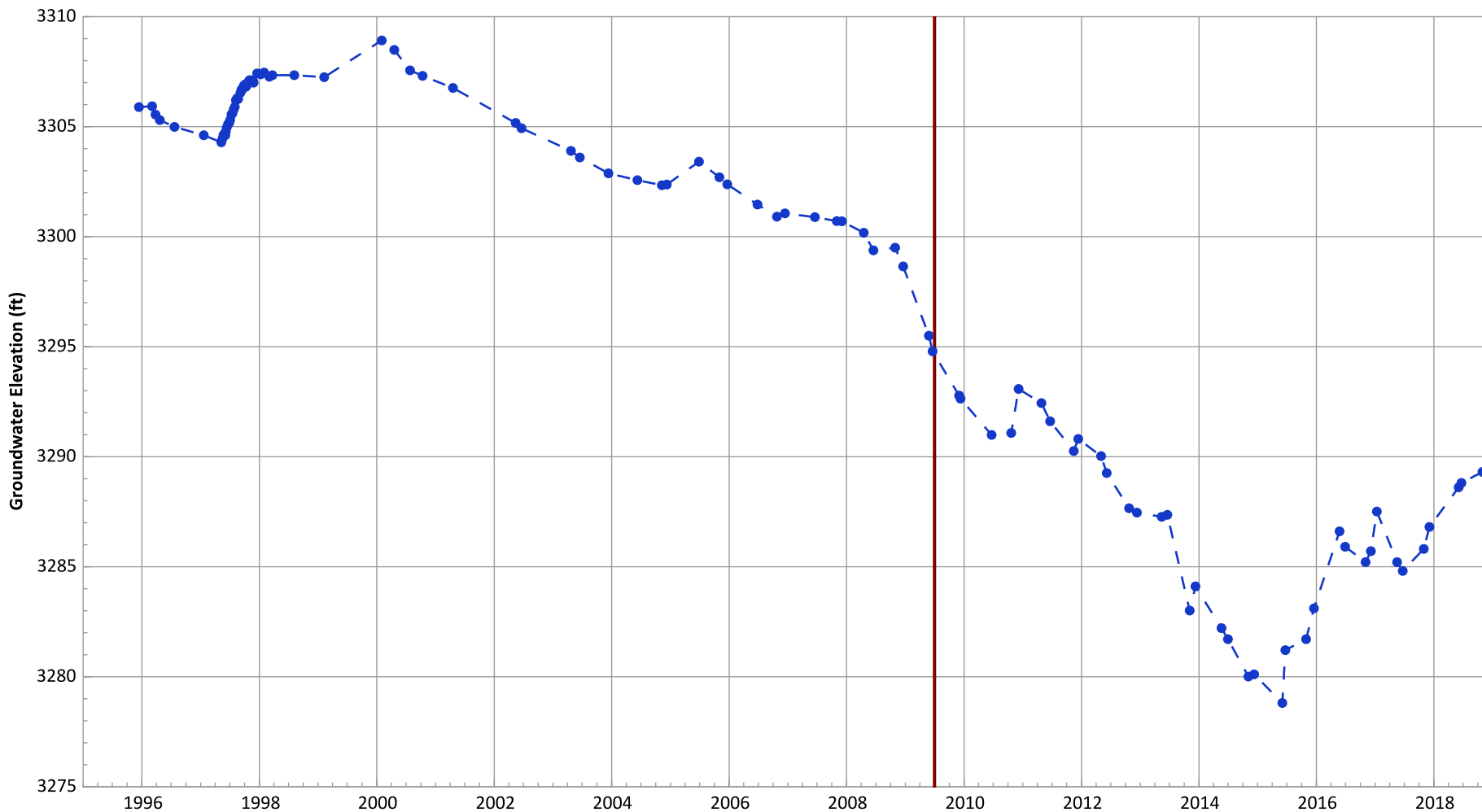
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 3.1 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.74 ft/yr

**PTX08-1002 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

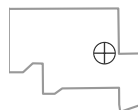


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

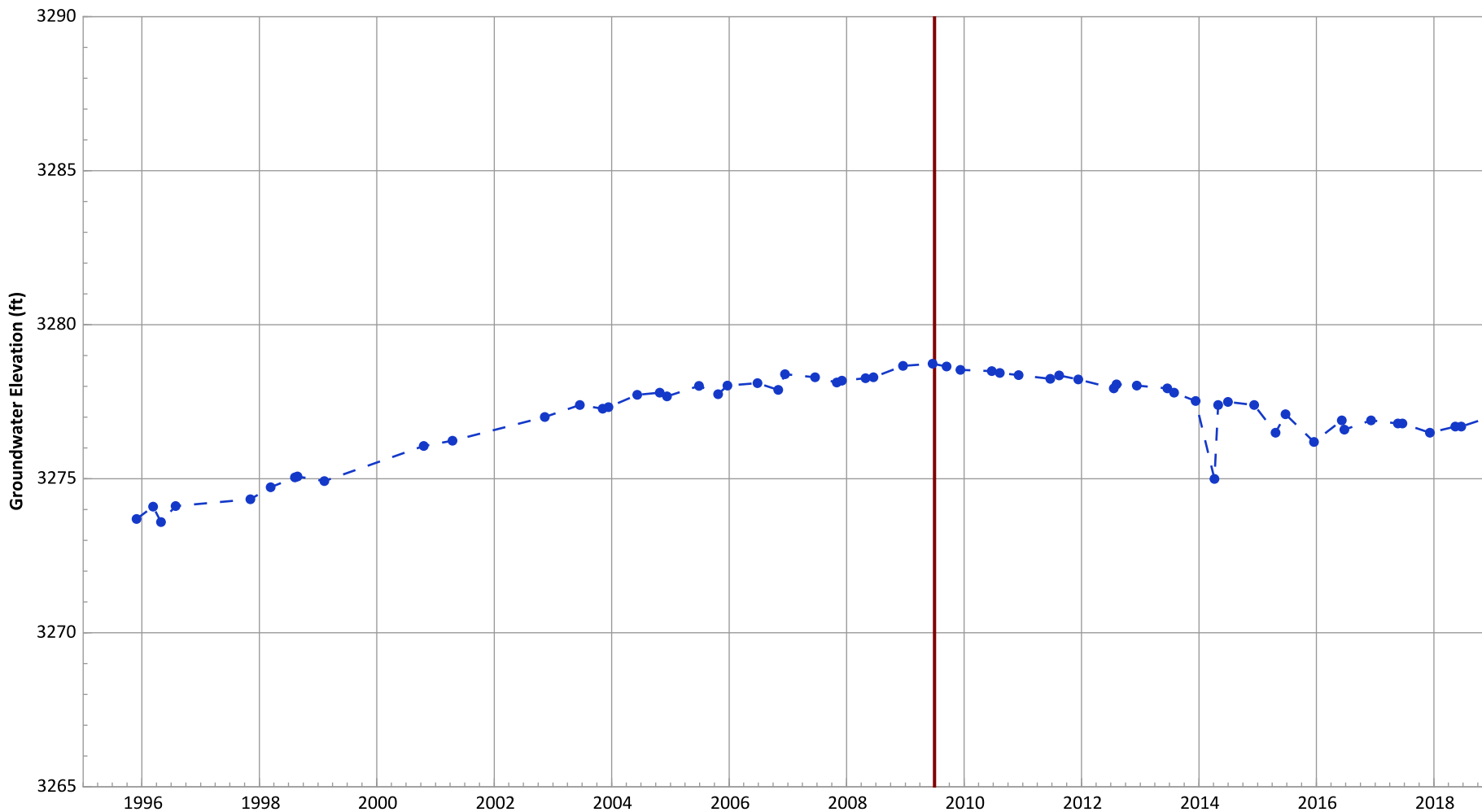
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 2.13 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.67 ft/yr

**PTX08-1003 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

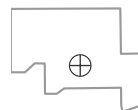


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

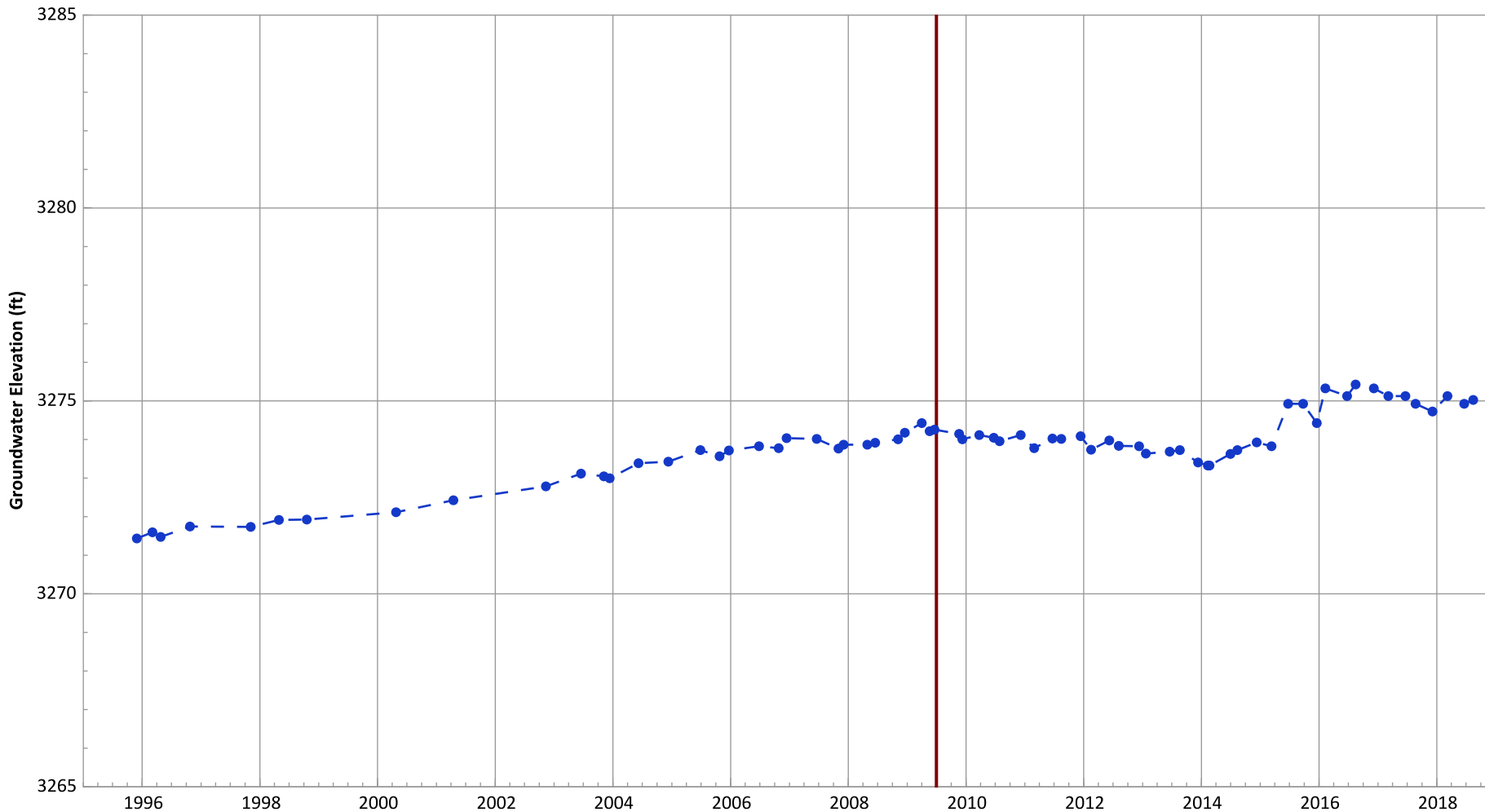
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.25 ft/yr

**PTX08-1005 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

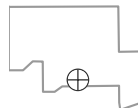


Notes:

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: 02/14/2019

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

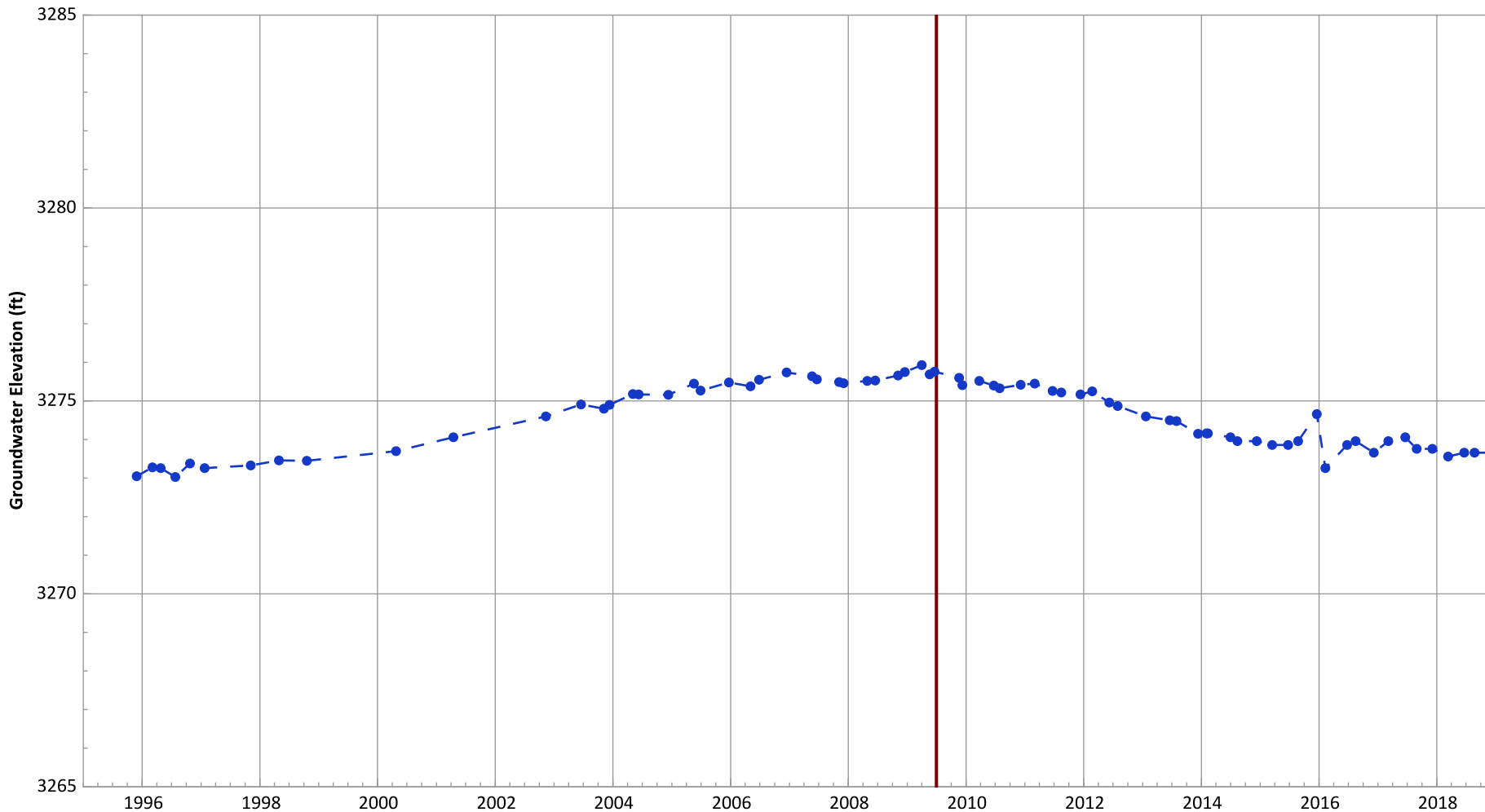
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Increasing at 0.16 ft/yr

**PTX08-1006 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

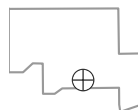


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

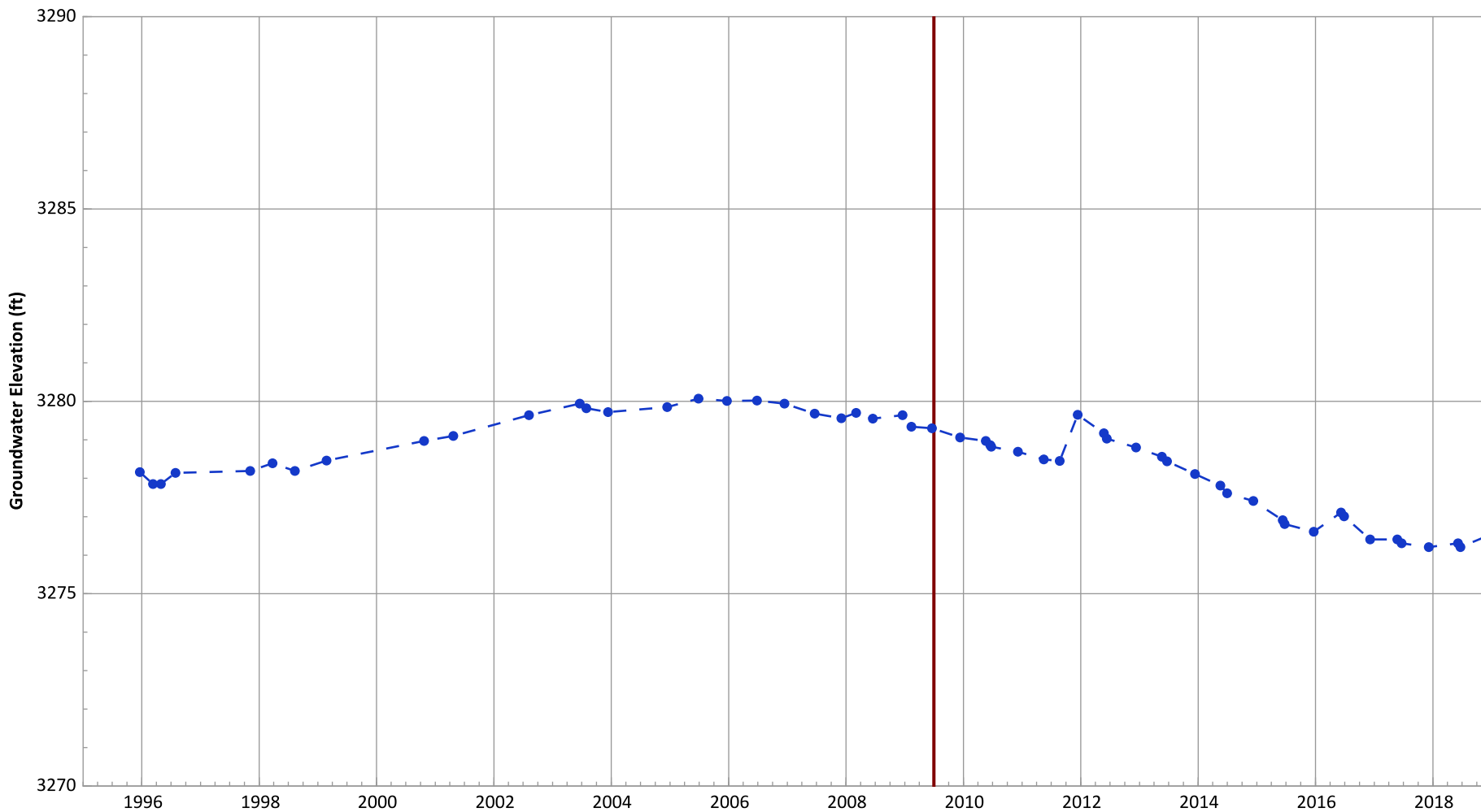
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.22 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.23 ft/yr

**PTX08-1007 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

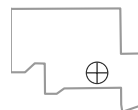


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

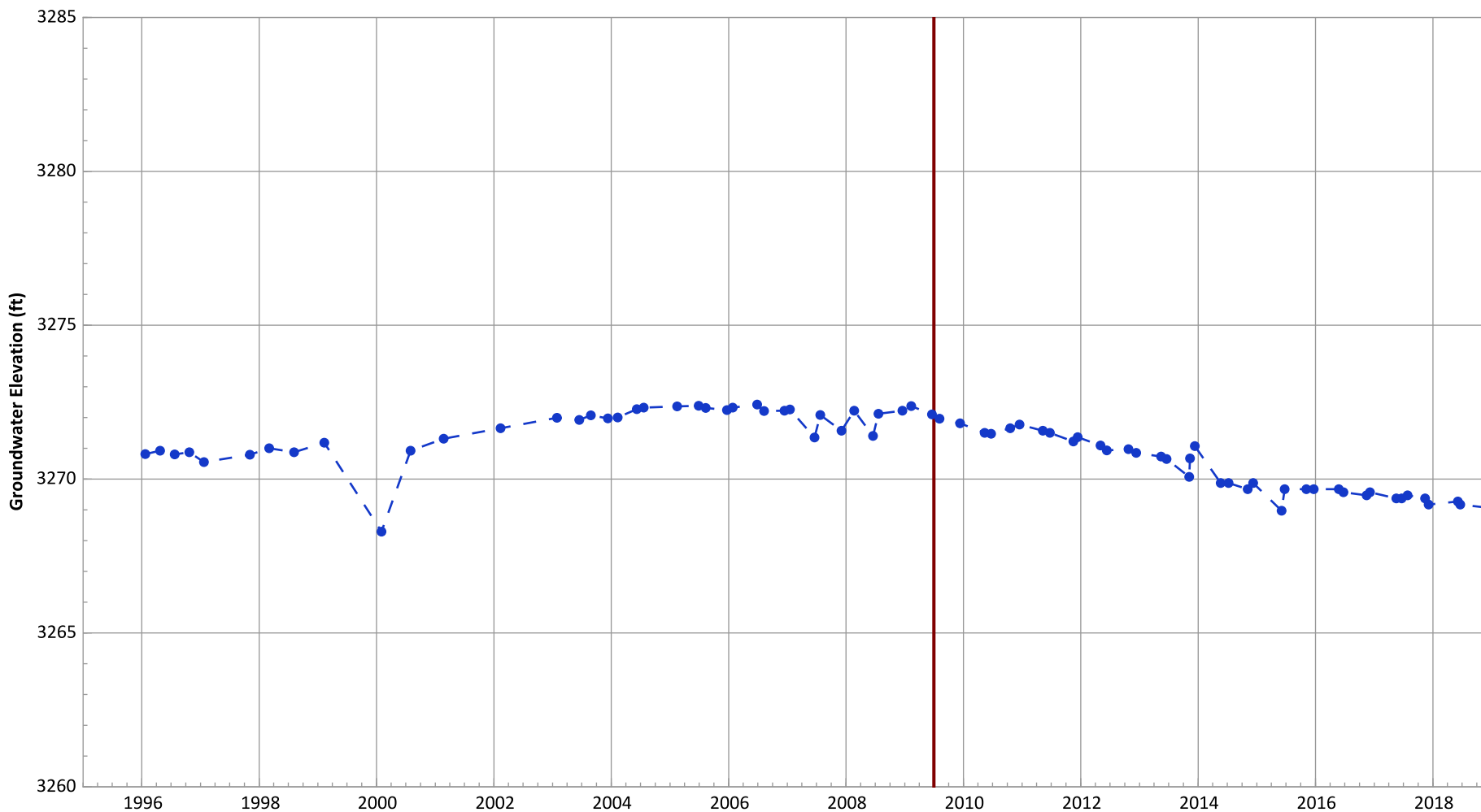
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Decreasing at 0.37 ft/yr

**PTX08-1008 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

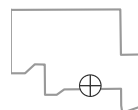


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

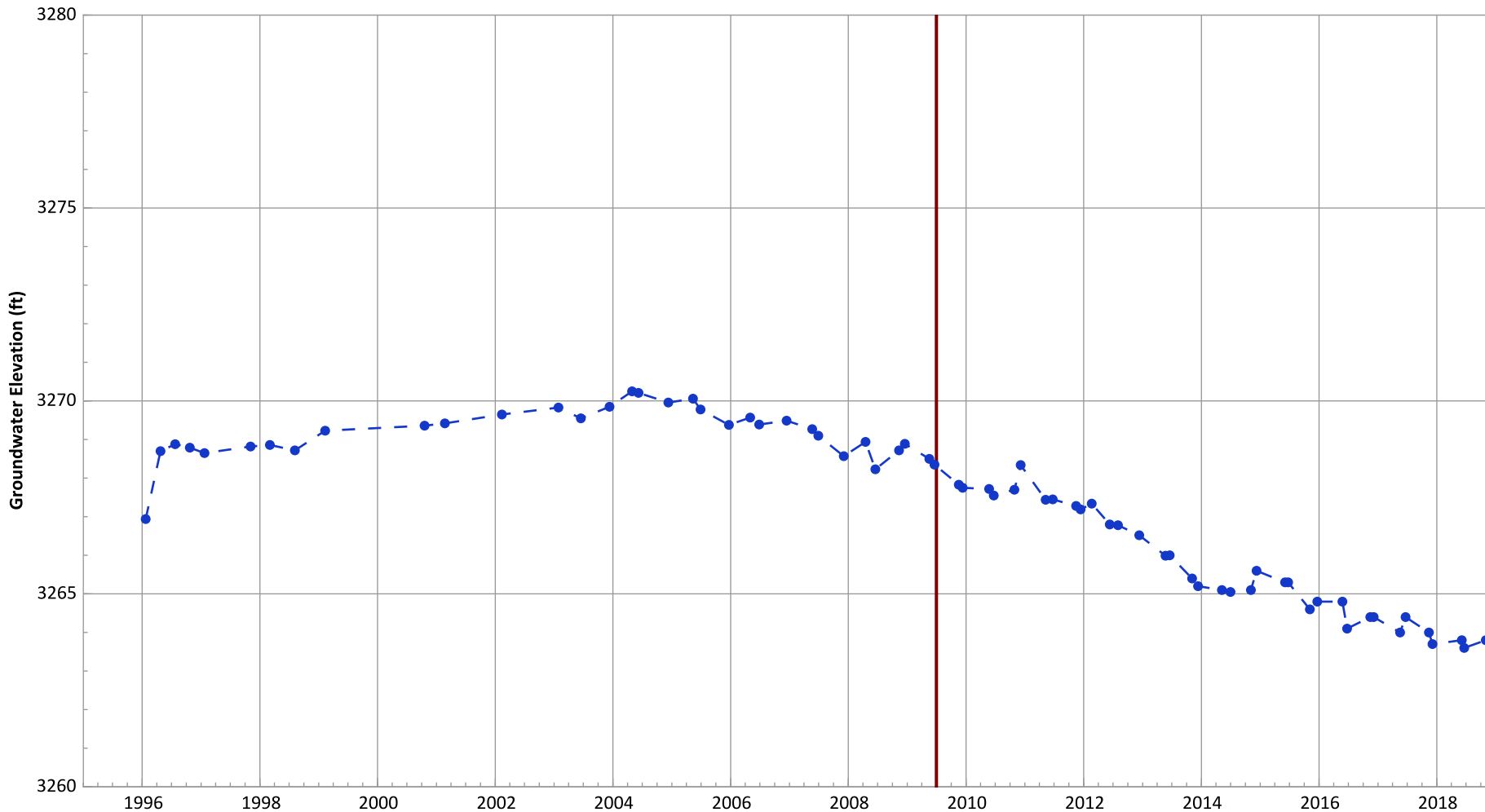
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.13 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.32 ft/yr

**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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

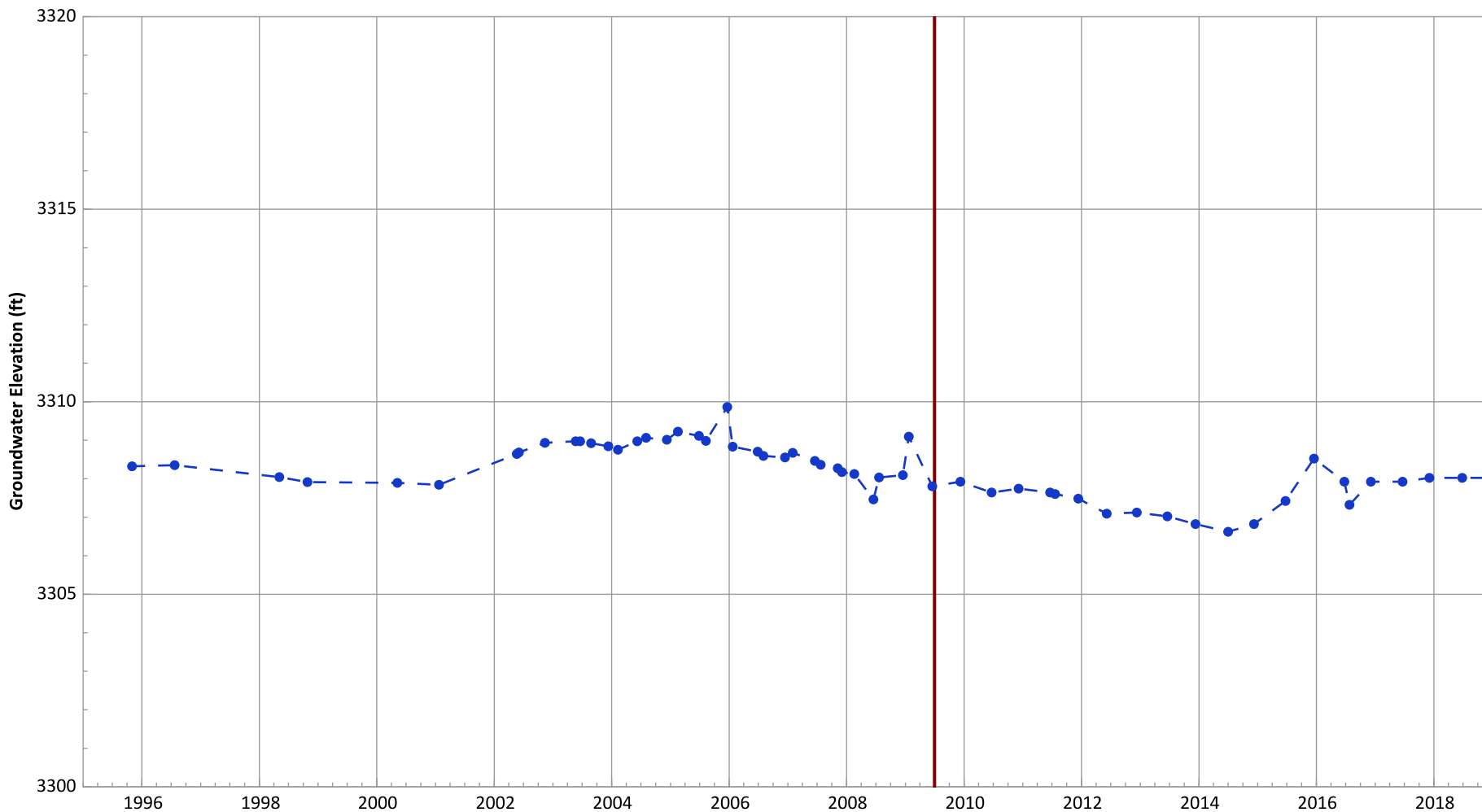
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.21 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.51 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: 02/14/2019

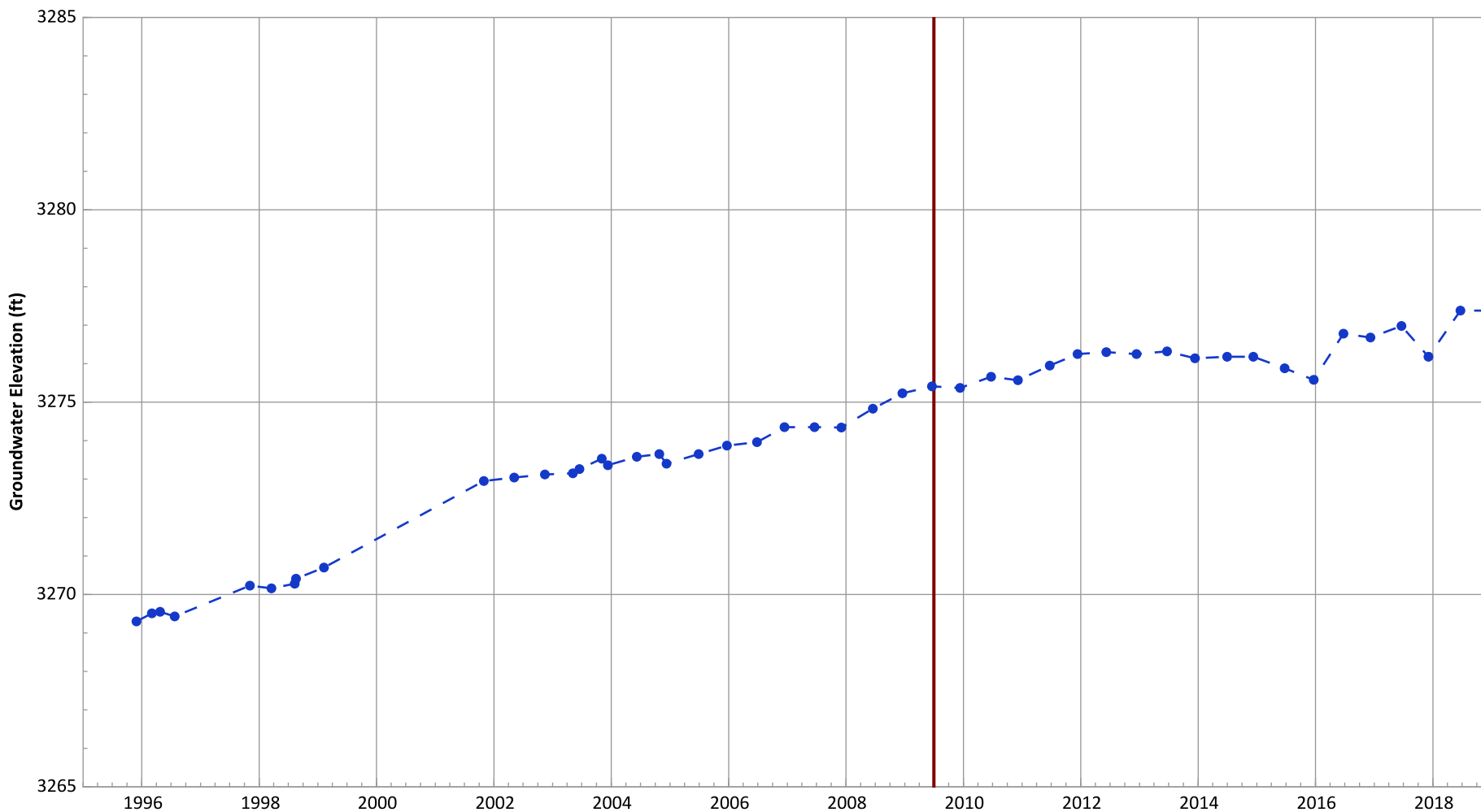
—●— Groundwater Elevation
 — Start of Remedial Action

Well Location



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): No Trend

**PTX10-1008 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

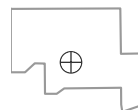


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

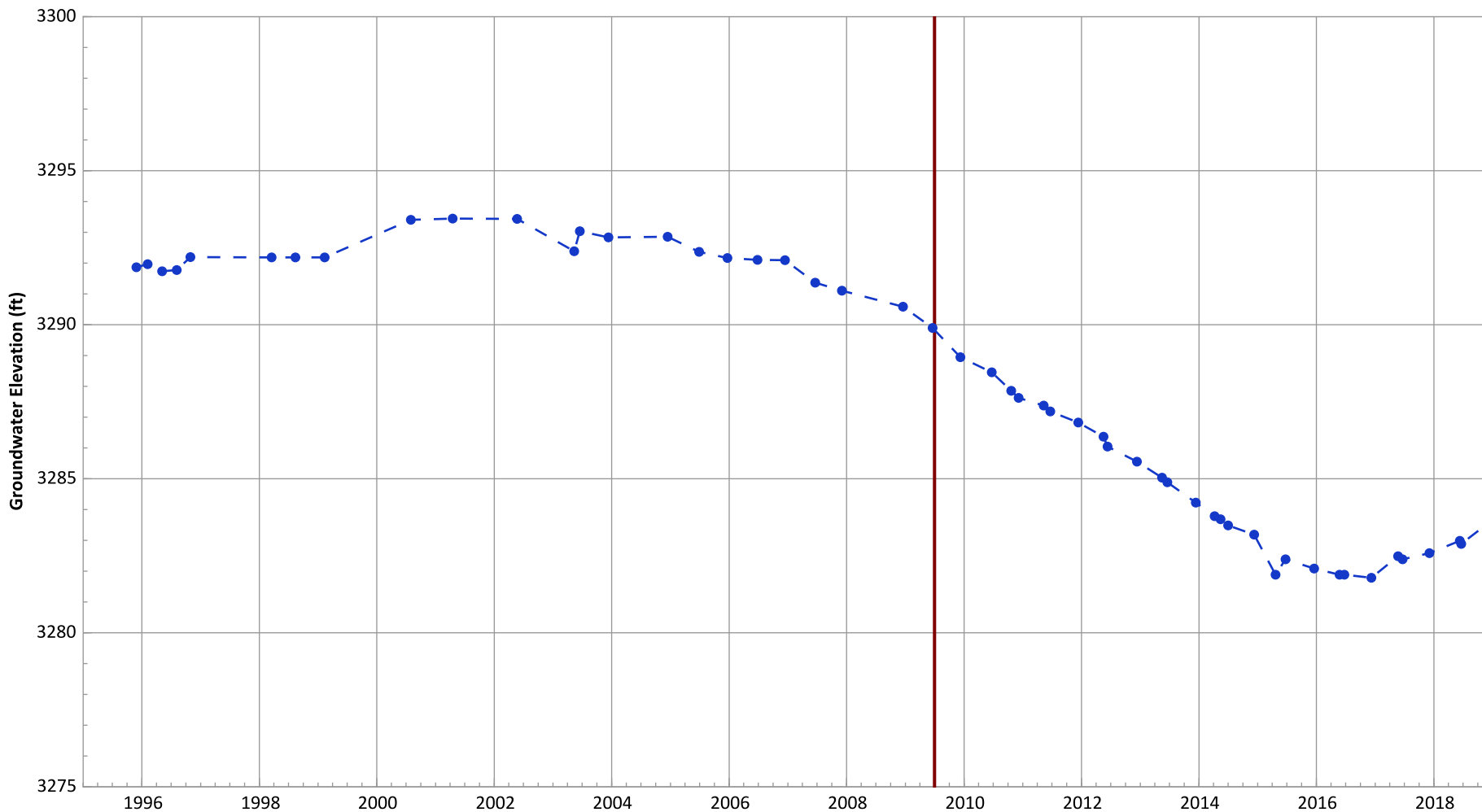
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.5 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.15 ft/yr

**PTX10-1014 Hydrograph in Perched Aquifer
USDOE/NNSA Pantex Plant**

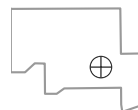


Notes:

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: 02/14/2019

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

Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.67 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.76 ft/yr

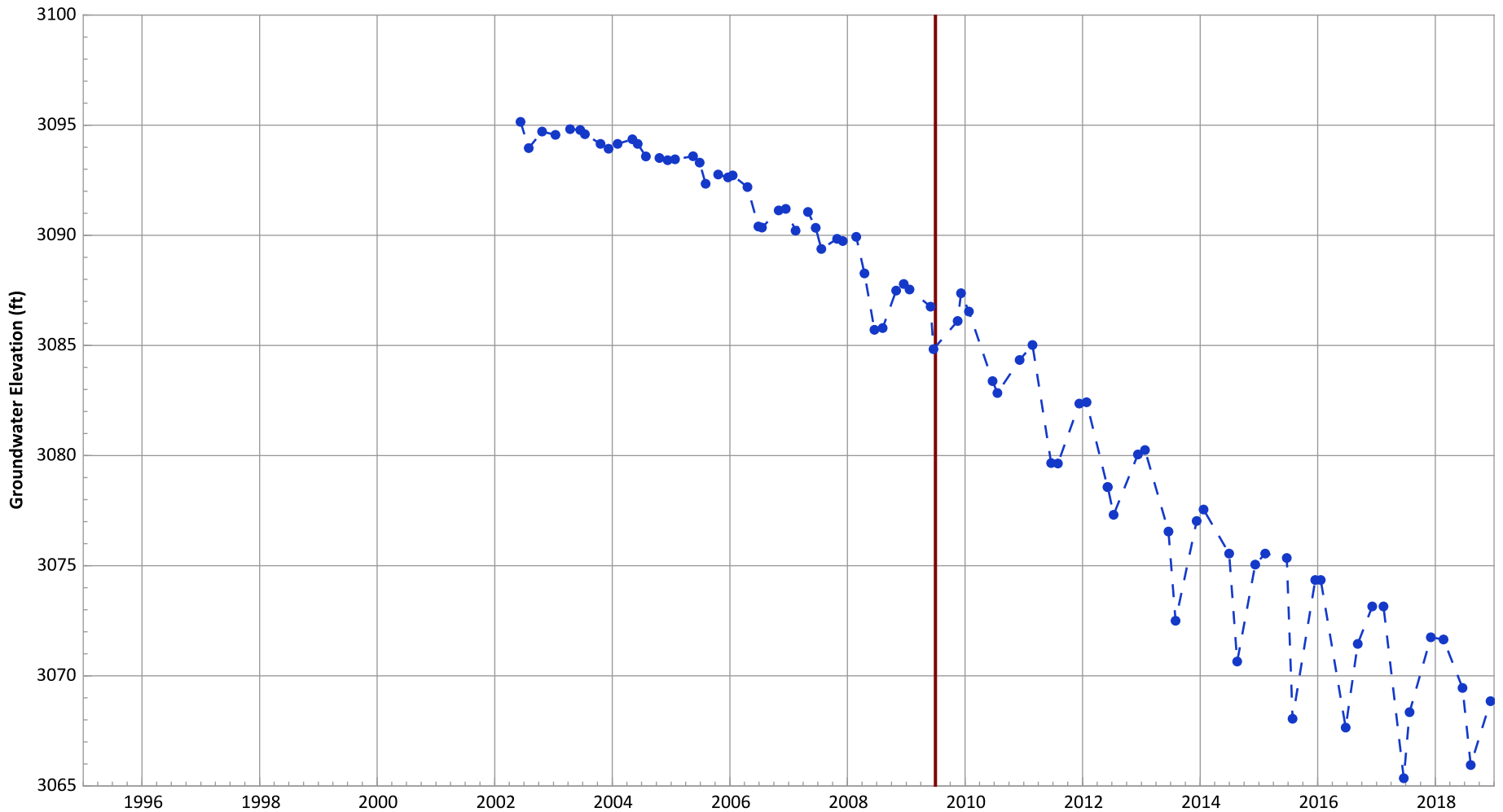
Ogallala Aquifer Water Level Trends and Hydrographs

Ogallala Water Level Summary Trends

Well	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	81	-1.83	Decreasing	-26.3	8	-1.13	Decreasing	-4.3	39	-2.00	Decreasing	-17.26	21	-1.91	Decreasing	-9.27
PTX01-1011	71	-1.67	Decreasing	-27.68	8	-2.14	Decreasing	-4.4	40	-1.85	Decreasing	-16.62	22	-1.70	Decreasing	-8.97
PTX01-1012	64	-2.01	Decreasing	-27.4	8	-2.38	Decreasing	-5.6	38	-2.28	Decreasing	-16.96	20	-1.67	Decreasing	-9.8
PTX01-1013	81	-1.94	Decreasing	-26.17	8	-2.46	Decreasing	-5.7	38	-2.17	Decreasing	-18.77	20	-1.79	Decreasing	-9.53
PTX06-1043	62	-1.08	Decreasing	-20.78	8	-1.45	Decreasing	-2.8	37	-1.36	Decreasing	-11.4	20	-1.62	Decreasing	-6.69
PTX06-1044	70	-1.72	Decreasing	-29.66	8	-2.03	Decreasing	-3.8	39	-1.99	Decreasing	-16.85	21	-2.46	Decreasing	-10.92
PTX06-1056	84	-0.38	Decreasing	-6.46	12	-0.71	Decreasing	-1.2	50	-0.50	Decreasing	-4.44	28	-0.53	Decreasing	-2.42
PTX06-1057A	60	-1.28	Decreasing	-21.99	6	-1.48	Decreasing	-2.5	29	-1.43	Decreasing	-12.84	16	-1.47	Decreasing	-6.5
PTX06-1058	58	-0.41	Decreasing	-7.62	6	-0.62	Decreasing	-0.9	28	-0.45	Decreasing	-3.94	15	-0.42	Decreasing	-2.08
PTX06-1059	56	-0.98	Decreasing	-15.4	6	-1.02	Decreasing	-1.5	28	-1.00	Decreasing	-9.04	15	-1.07	Decreasing	-4.75
PTX06-1060	51	0.16	Increasing	2.71	6	0.06	No Trend	0.1	30	0.14	Increasing	1.1	16	0.13	Increasing	1.18
PTX06-1061	59	-1.77	Decreasing	-26.62	6	-2.45	Decreasing	-5.1	31	-1.73	Decreasing	-15.47	17	-1.26	Decreasing	-6.65
PTX06-1062A	86	-1.60	Decreasing	-26.58	8	-2.04	Decreasing	-4.2	41	-1.82	Decreasing	-15.89	23	-1.80	Decreasing	-8.26
PTX06-1064	79	-1.43	Decreasing	-23.64	9	-2.28	Decreasing	-4.9	40	-1.54	Decreasing	-14.9	21	-1.47	Decreasing	-7.29
PTX06-1068	85	-1.65	Decreasing	-27	10	-3.49	Decreasing	-4.6	45	-1.37	Decreasing	-13.48	24	-0.97	Decreasing	-3.4
PTX06-1072	62	-0.76	Decreasing	-13.12	9	-0.54	Decreasing	-1.7	40	-0.71	Decreasing	-6.89	19	-0.69	Decreasing	-3.36
PTX06-1074	57	-0.75	Decreasing	-11.82	6	-0.83	Decreasing	-1.5	28	-0.78	Decreasing	-7.13	15	-0.77	Decreasing	-3.32
PTX06-1075	56	0.13	Increasing	1.64	6	0.13	Increasing	0.2	29	0.12	Increasing	2.11	16	-0.05	No Trend	0.81
PTX06-1076	68	0.11	Increasing	0.95	8	0.06	No Trend	0.1	39	0.17	Increasing	1.67	21	0.11	Increasing	0.79
PTX06-1137A	41	-1.53	Decreasing	-14.2	10	-1.40	Decreasing	-2.8	40	-1.53	Decreasing	-13.47	20	-1.66	Decreasing	-7.05
PTX06-1138	40	-1.32	Decreasing	-12.38	9	-1.37	Decreasing	-2.6	39	-1.33	Decreasing	-12.18	20	-1.51	Decreasing	-6.18
PTX06-1139	39	-1.09	Decreasing	-9.39	8	-0.54	Decreasing	-1.6	38	-1.11	Decreasing	-9.91	20	-1.31	Decreasing	-5.83
PTX06-1140	40	-2.45	Decreasing	-21.41	8	-1.61	Decreasing	-3.7	39	-2.48	Decreasing	-20.84	21	-3.11	Decreasing	-13.06
PTX06-1141	39	-1.34	Decreasing	-12.24	8	-1.33	Decreasing	-2.6	38	-1.34	Decreasing	-11.55	22	-1.54	Decreasing	-6.68
PTX06-1143	40	-1.32	Decreasing	-10.93	8	-1.49	Decreasing	-2.8	39	-1.36	Decreasing	-11.52	21	-1.45	Decreasing	-6.47
PTX06-1144	39	-1.08	Decreasing	-11.04	8	-1.98	Decreasing	-4.5	38	-1.11	Decreasing	-12.7	21	-0.84	Decreasing	-4.24
PTX06-1157	38	-0.08	No Trend	-0.32	8	-0.43	Decreasing	-1	38	-0.08	No Trend	-0.32	22	-0.21	Decreasing	-0.52
PTX07-1R01	62	-1.12	Decreasing	-21.05	8	-1.25	Decreasing	-2.1	38	-1.22	Decreasing	-11.15	20	-1.27	Decreasing	-5.46
PTX08-1011A	40	-0.58	Decreasing	-13.68	4	-0.71	Decreasing	-1	19	-0.60	Decreasing	-5.41	10	-0.62	Decreasing	-2.8

AD = All Data
L2Y = Last 2 Years (last four samples)
SSRA = Since Start of Remedial Action
5YRP = Five Year Review Period (current)

**PTX01-1010 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

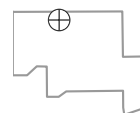


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

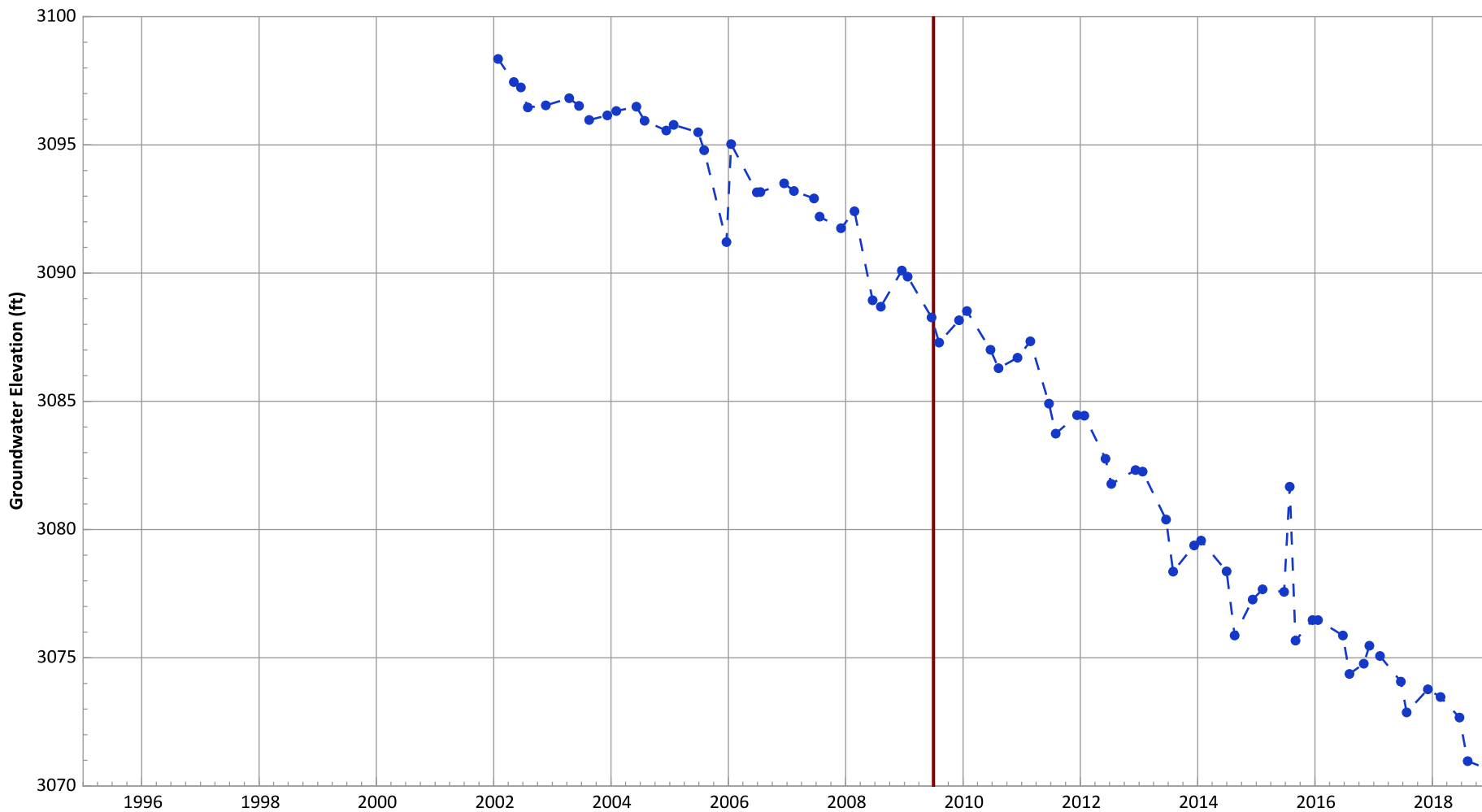
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.13 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 2.0 ft/yr

**PTX01-1011 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

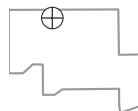


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

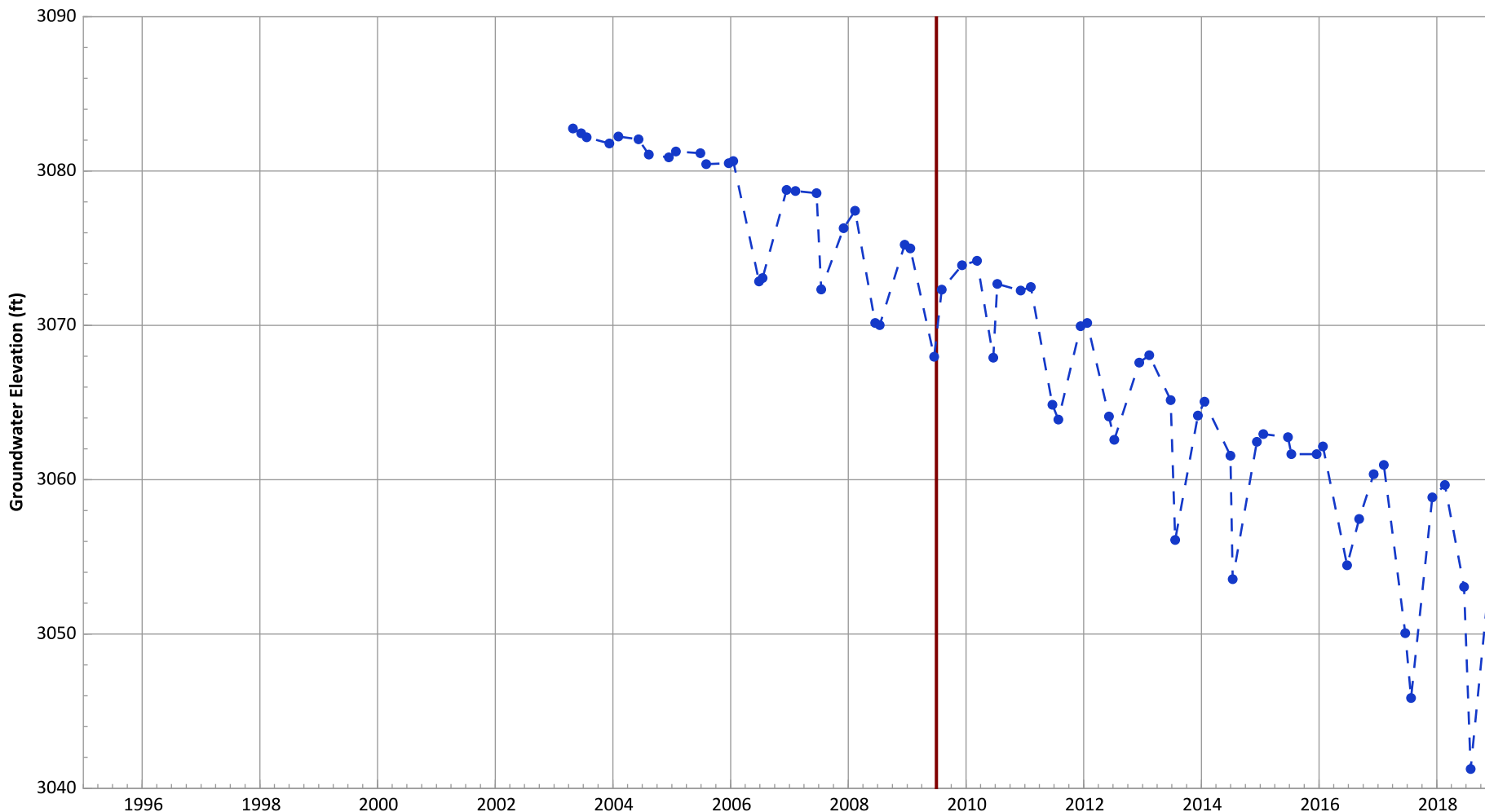
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.14 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.85 ft/yr

**PTX01-1012 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

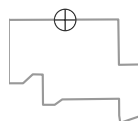


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

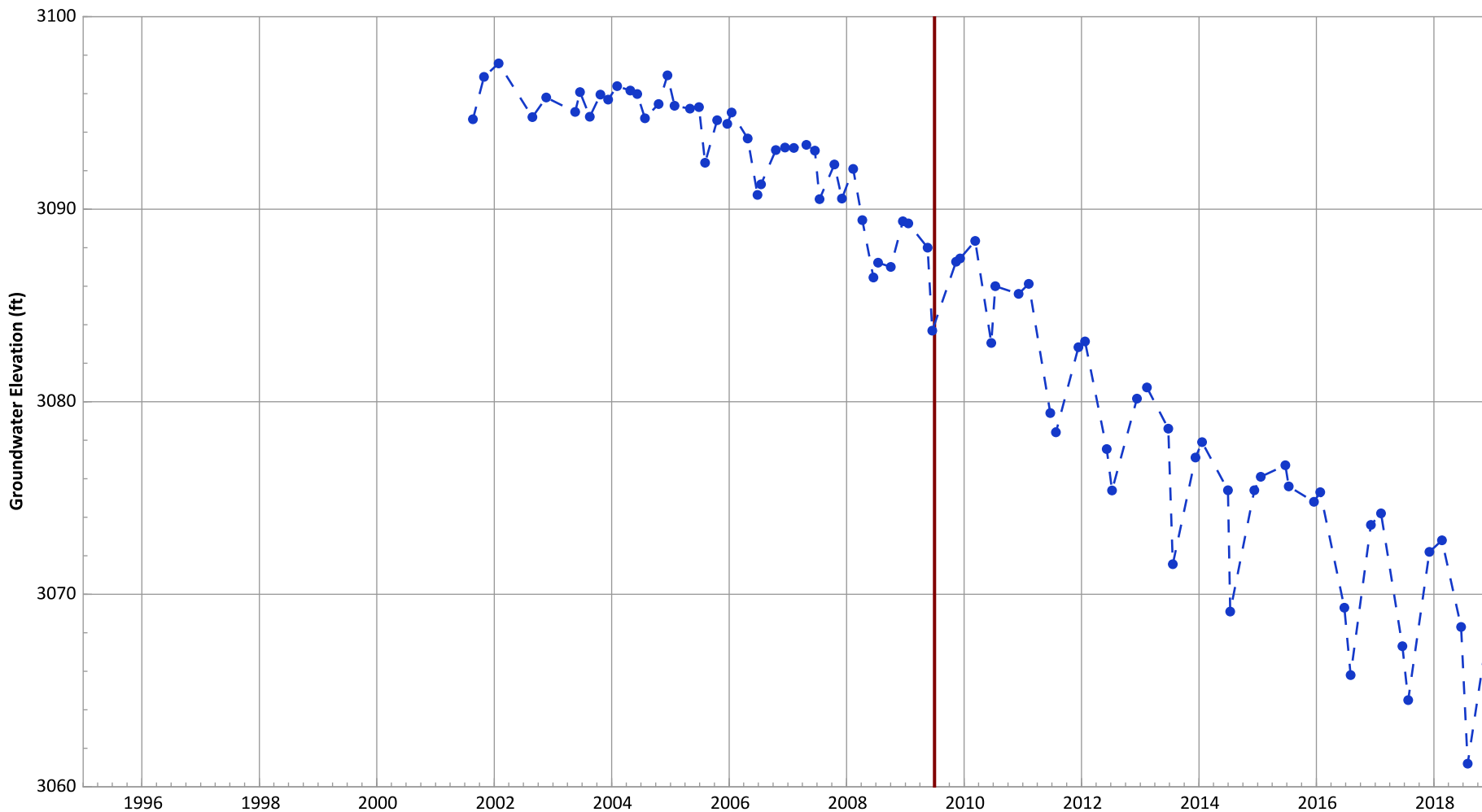
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.38 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 2.28 ft/yr

**PTX01-1013 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

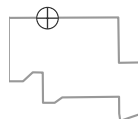


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

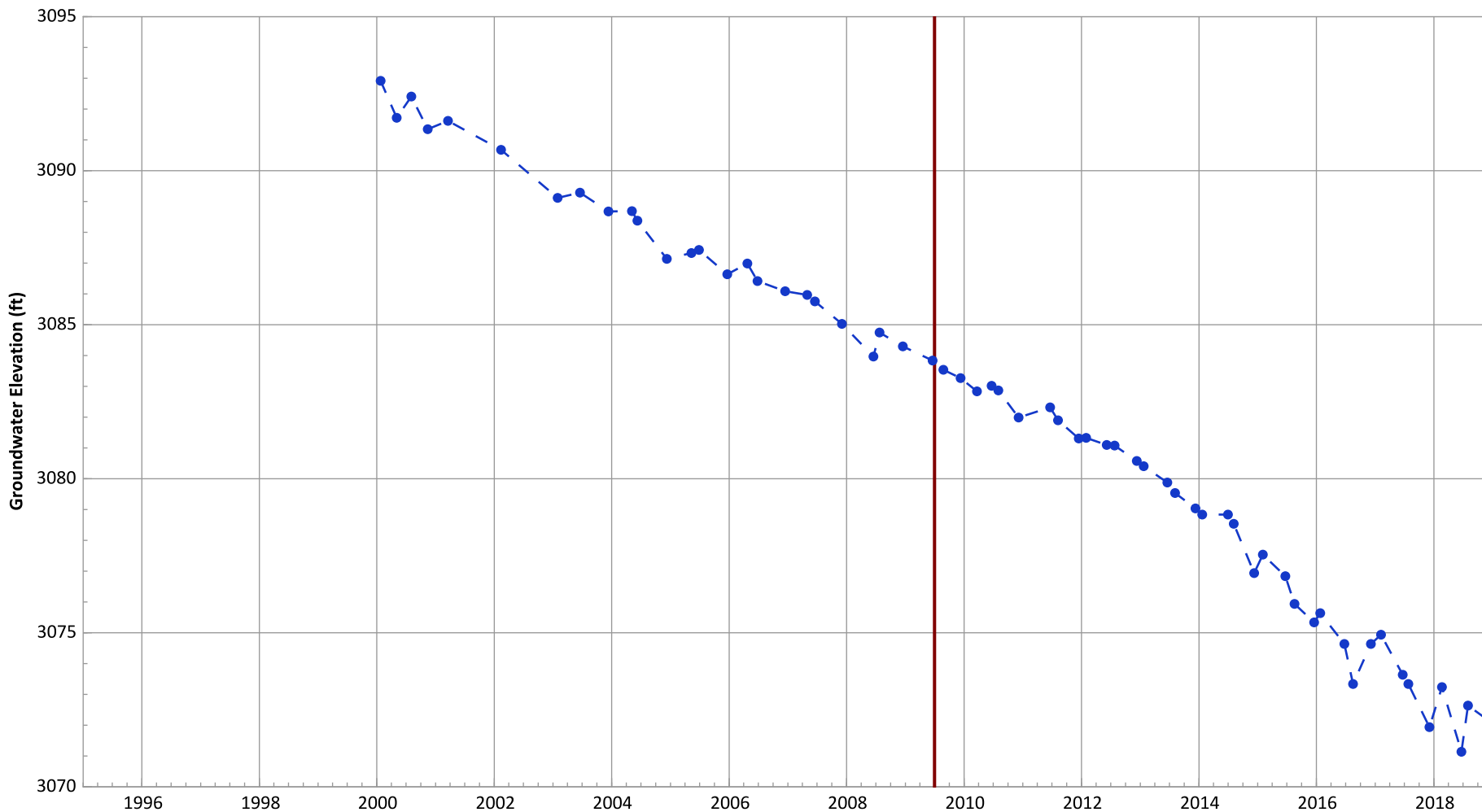
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.46 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 2.17 ft/yr

**PTX06-1043 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

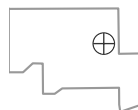


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

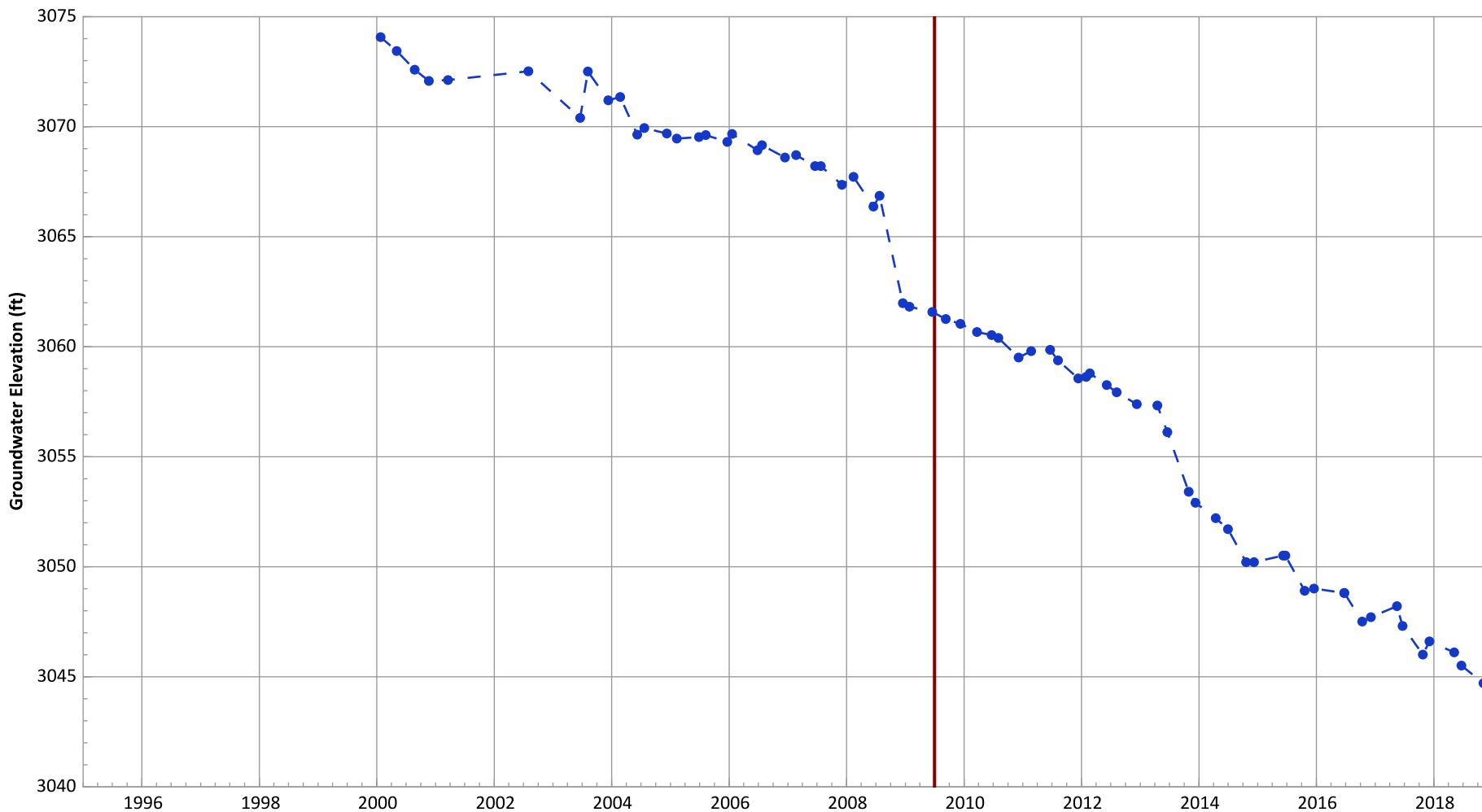
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.45 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.36 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

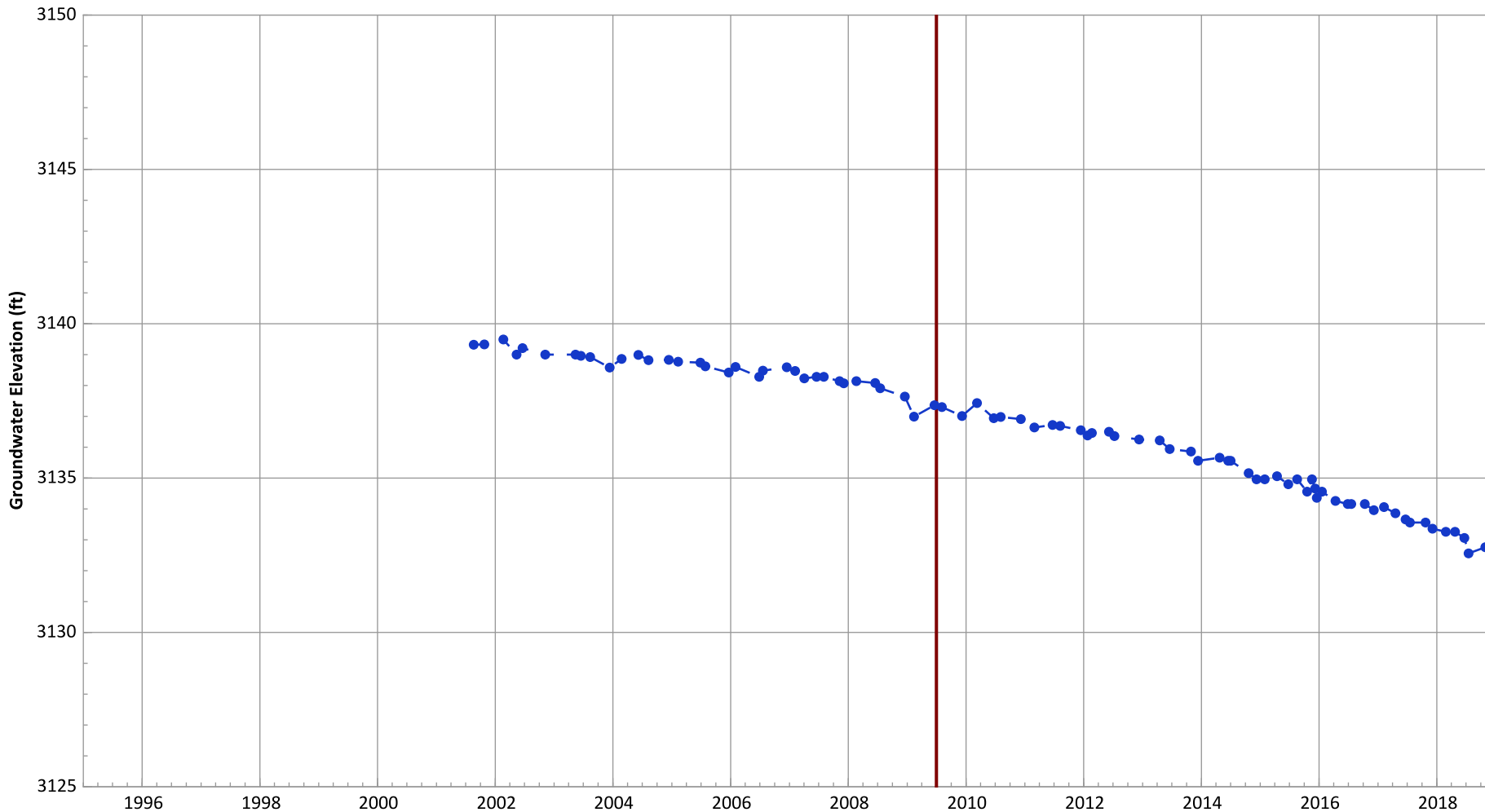
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.03 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.99 ft/yr

**PTX06-1056 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

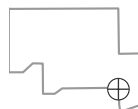


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

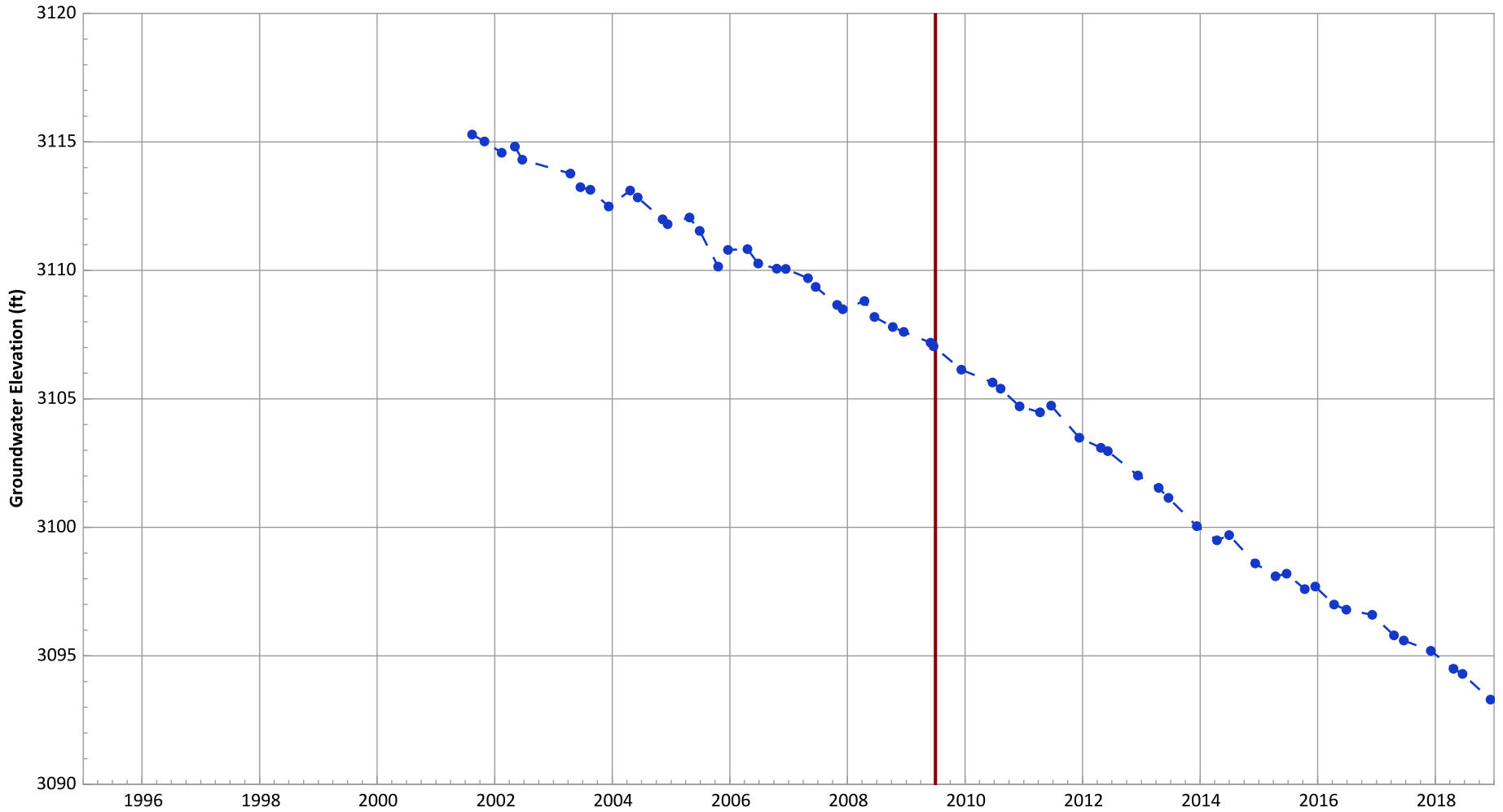
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.71 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.5 ft/yr

**PTX06-1057A Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

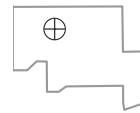


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

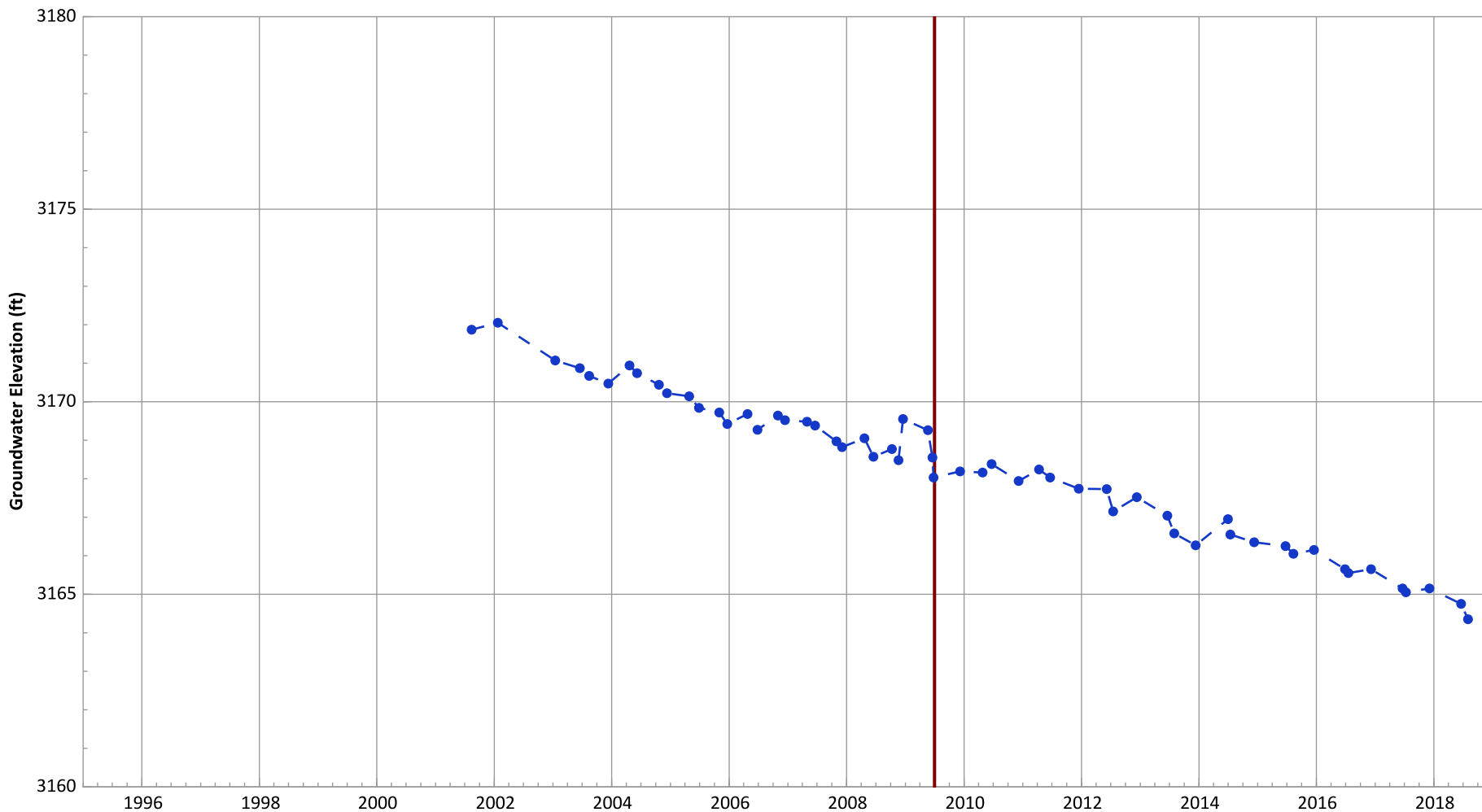
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.48 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.43 ft/yr

**PTX06-1058 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

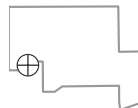


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

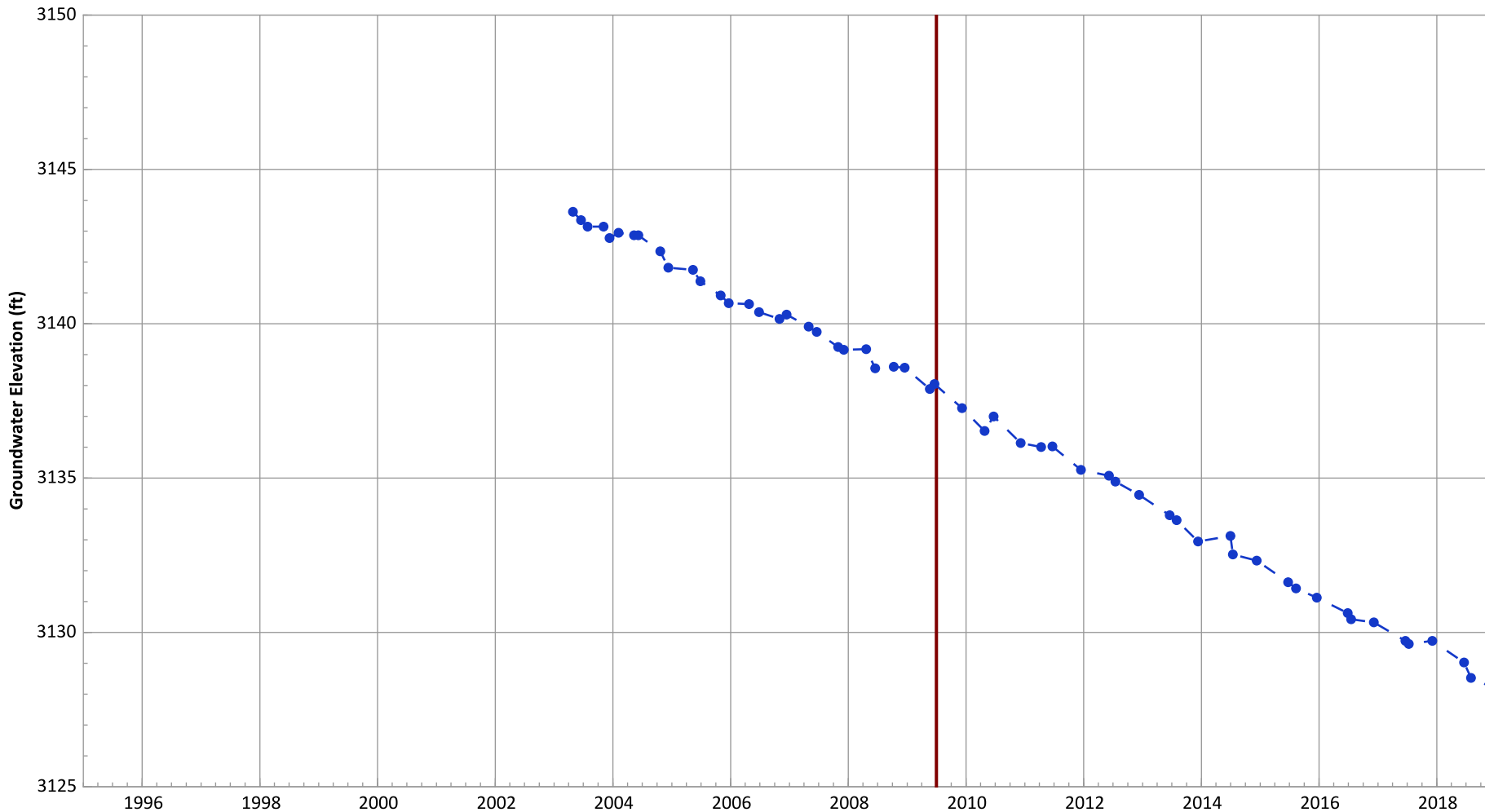
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.62 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.45 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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

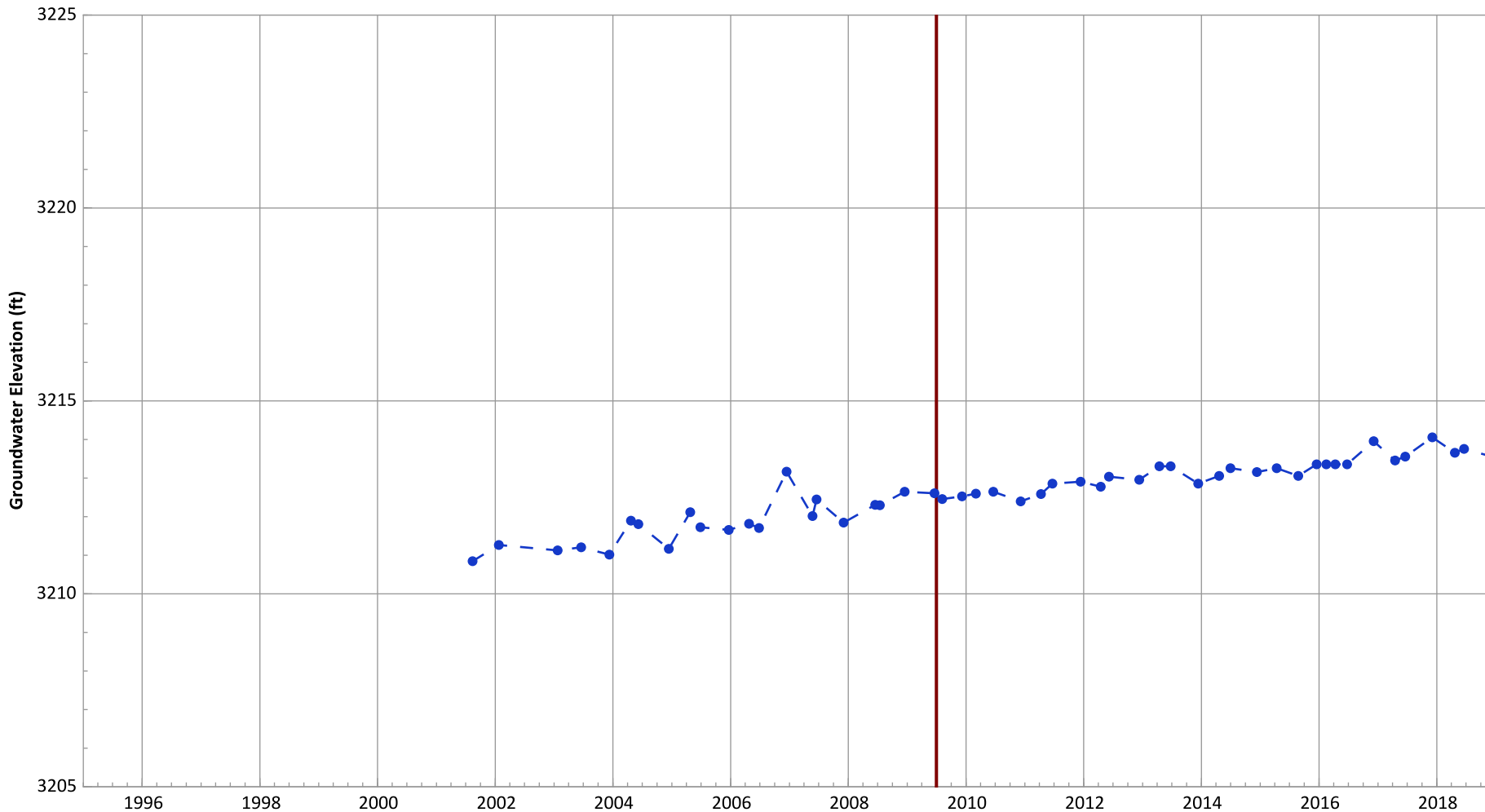
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Decreasing at 1.02 ft/yr
Data (7/2009 - 12/2018): Decreasing at 1.0 ft/yr

**PTX06-1060 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

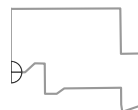


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

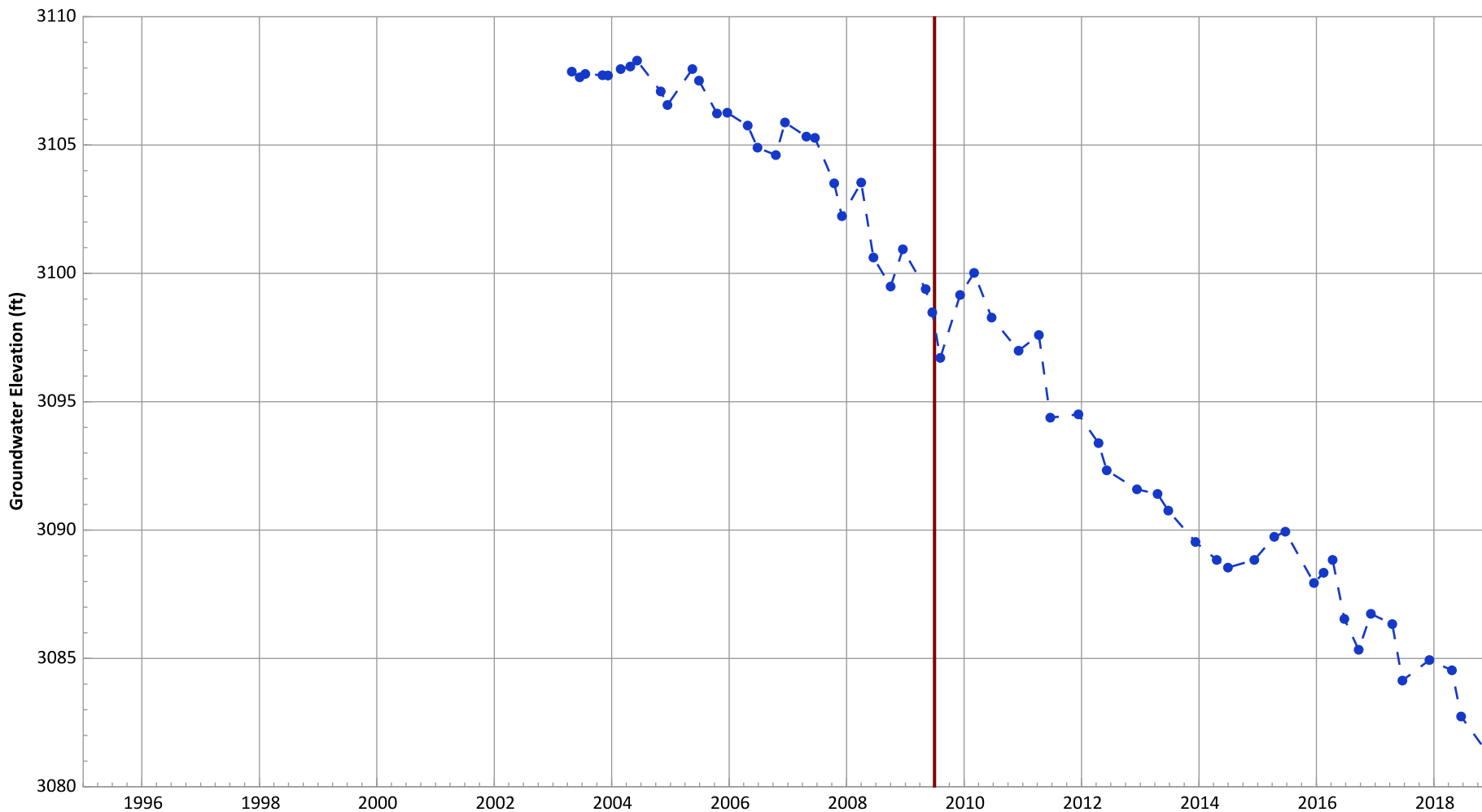
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: No Trend
 Data (7/2009 - 12/2018): Increasing at 0.14 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

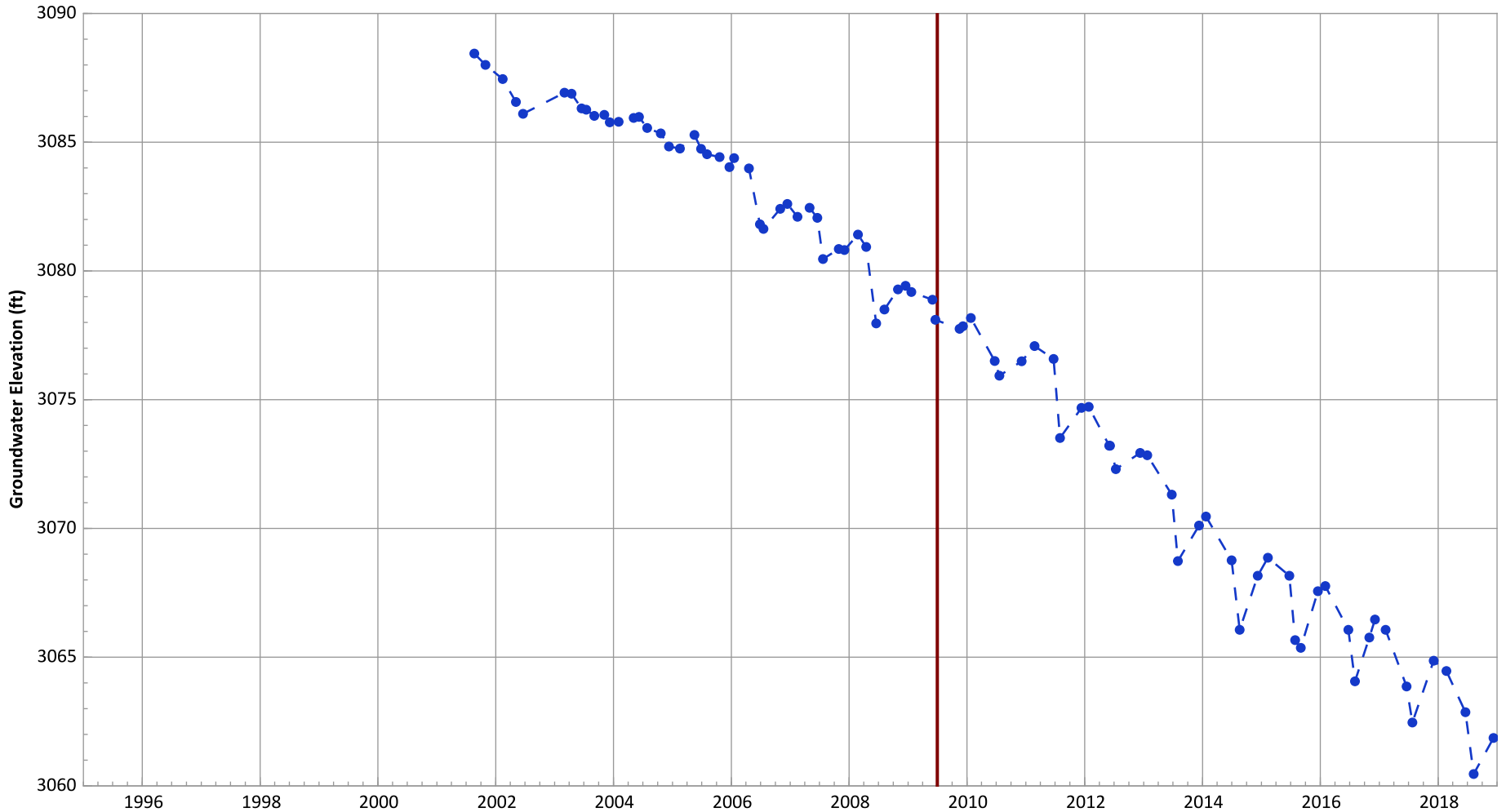
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.45 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.73 ft/yr

**PTX06-1062A Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

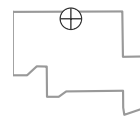


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

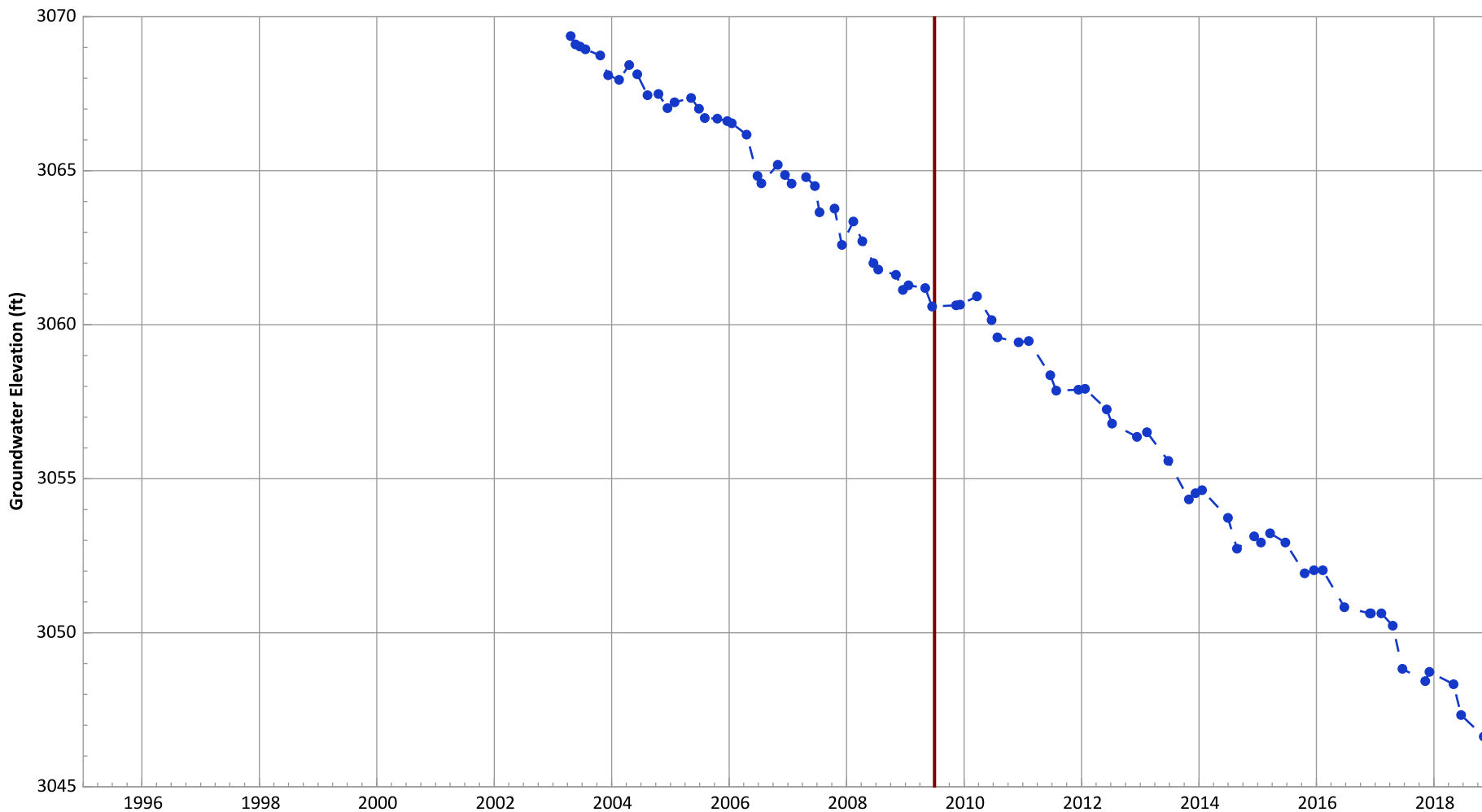
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.04 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.82 ft/yr

**PTX06-1064 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

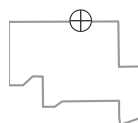


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

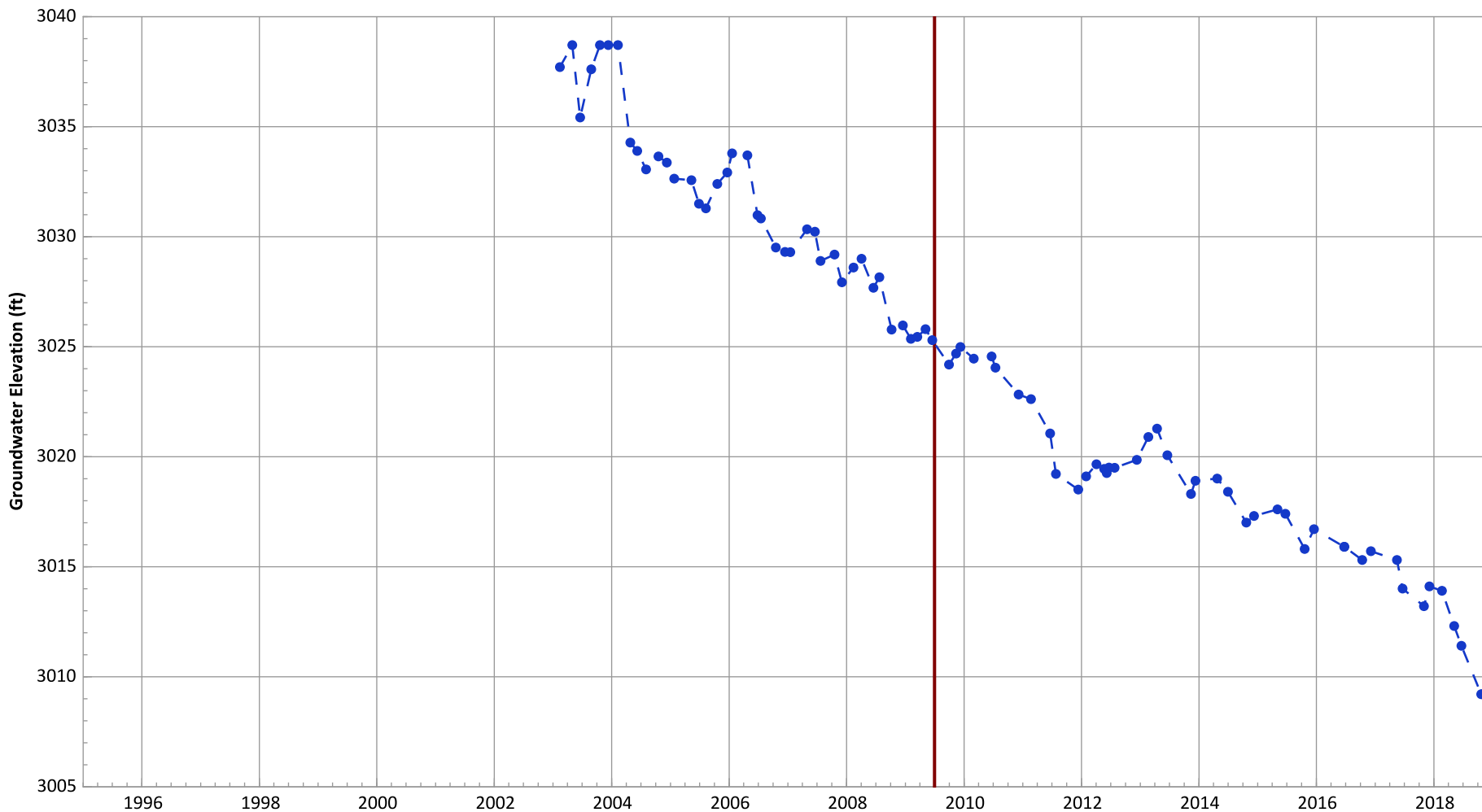
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 2.28 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.54 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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

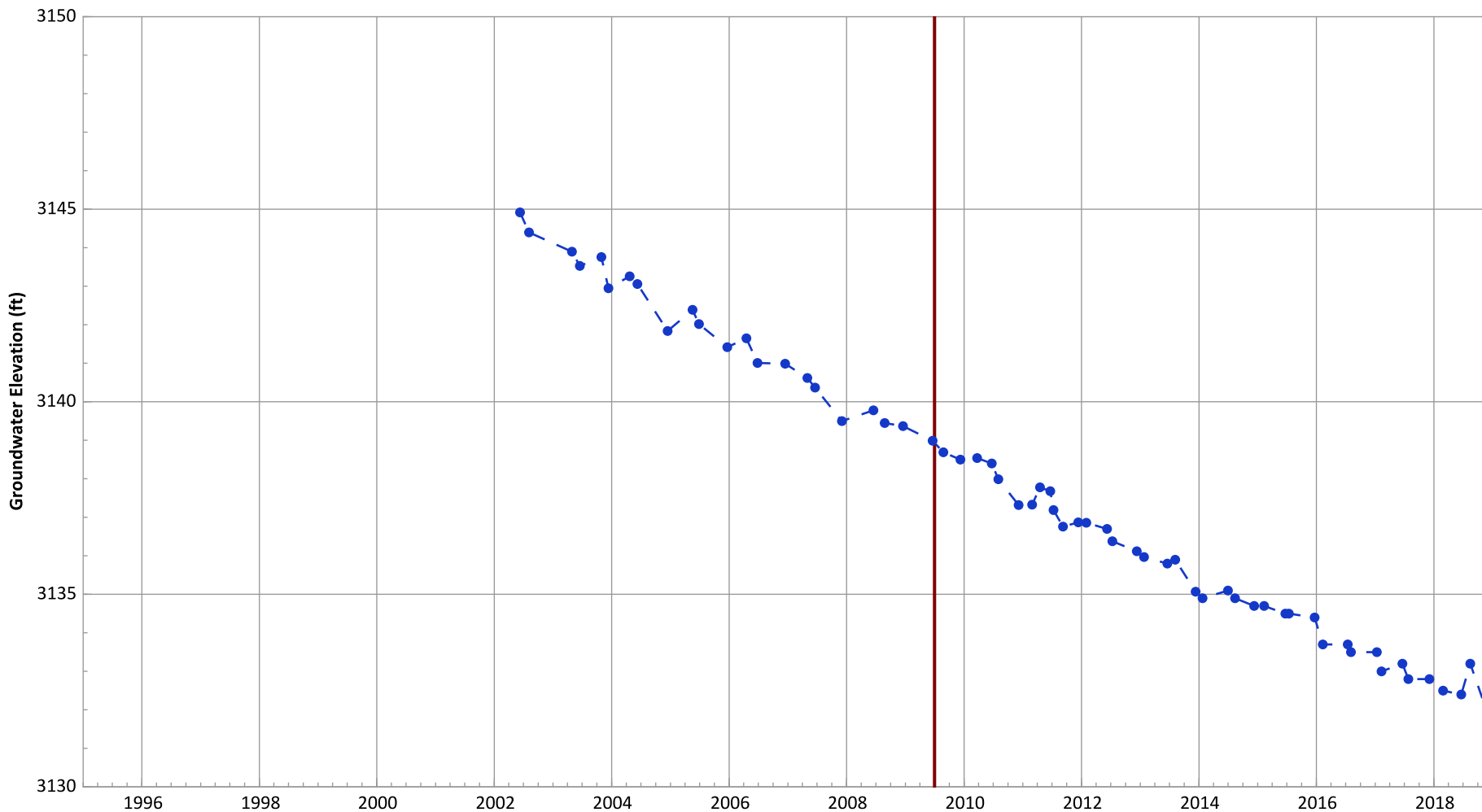
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Decreasing at 3.49 ft/yr
Data (7/2009 - 12/2018): Decreasing at 1.37 ft/yr

PTX06-1072 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant

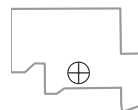


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

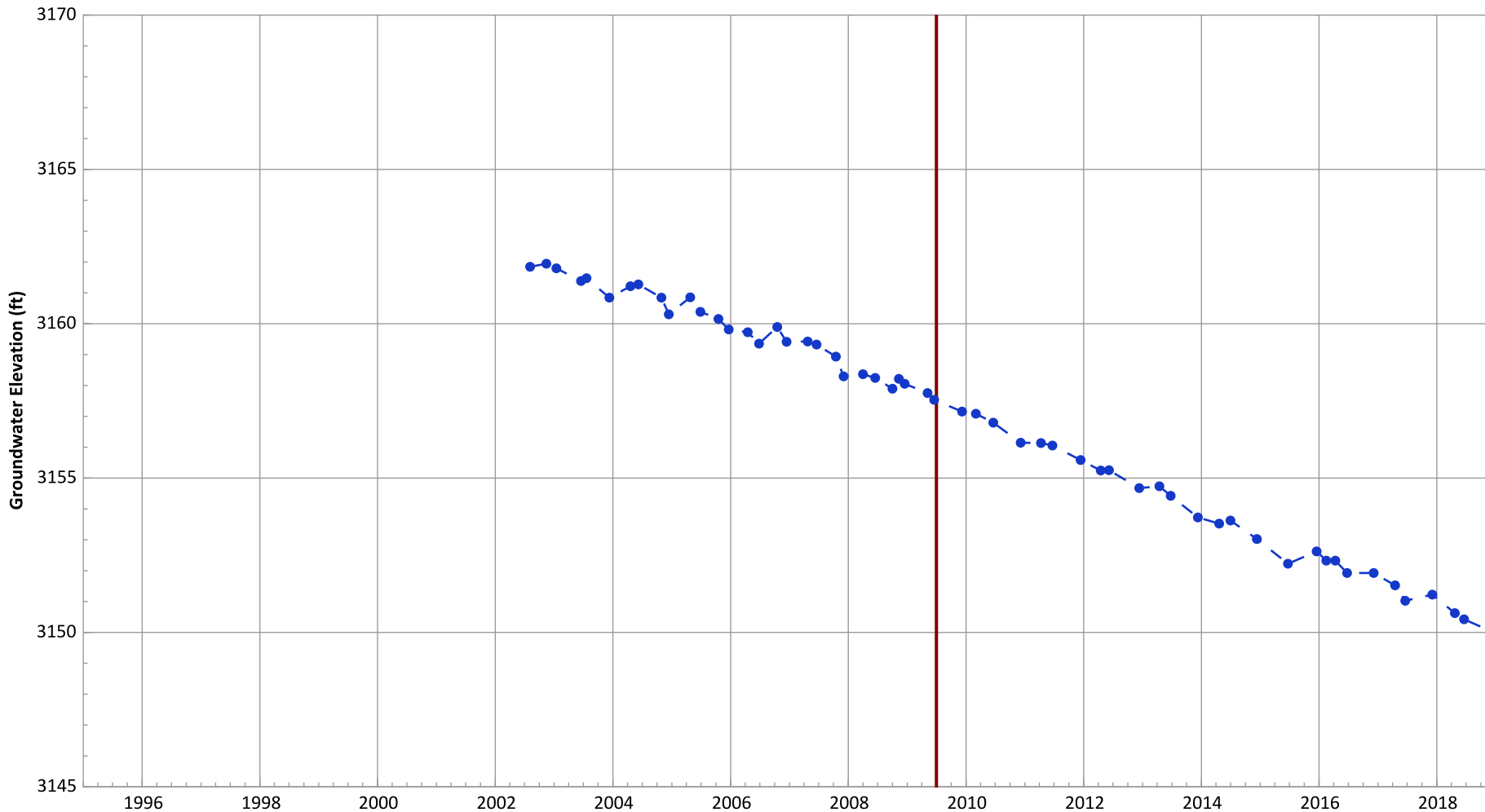
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: Decreasing at 0.54 ft/yr
Data (7/2009 - 12/2018): Decreasing at 0.71 ft/yr

**PTX06-1074 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

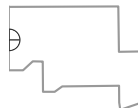


Notes:

1. Top of screen elevation is 3175.53 ft msl.
 2. The bottom of screen elevation is 2955.53 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

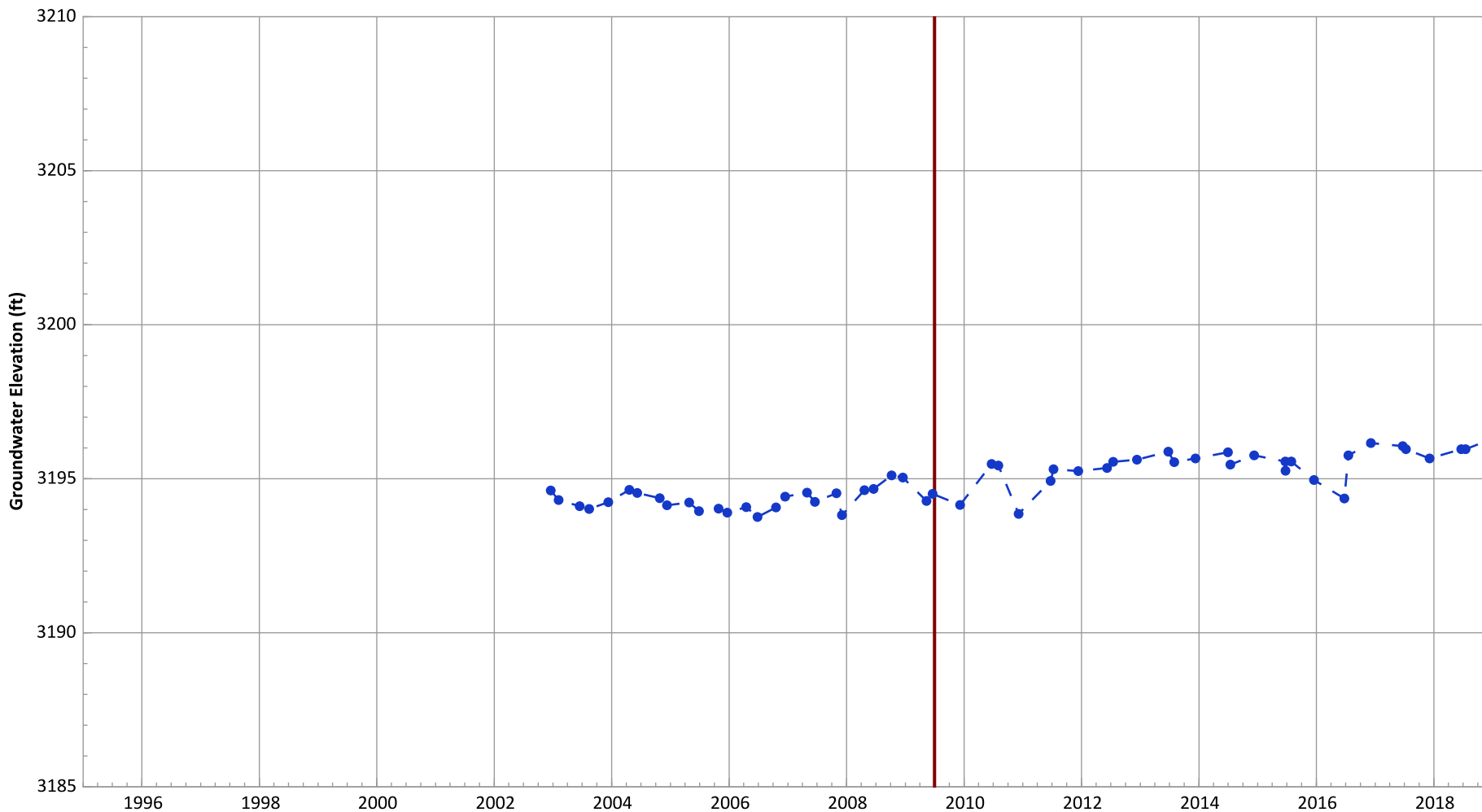
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.83 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.78 ft/yr

**PTX06-1075 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

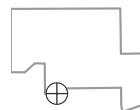


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

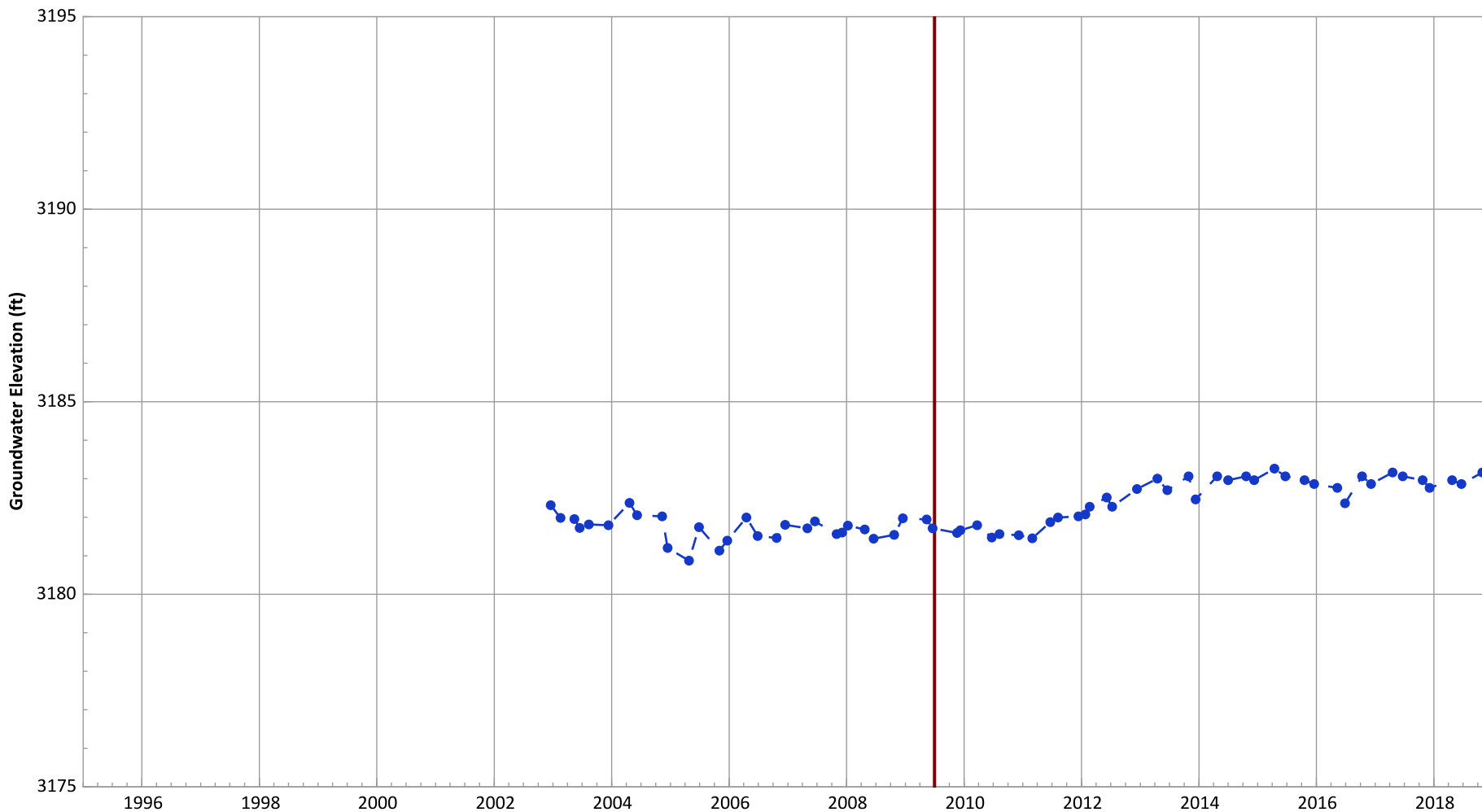
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Increasing at 0.13 ft/yr
 Data (7/2009 - 12/2018): Increasing at 0.12 ft/yr

PTX06-1076 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant

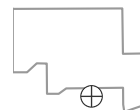


Notes:

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: 02/14/2019

—●— Groundwater Elevation
— Start of Remedial Action

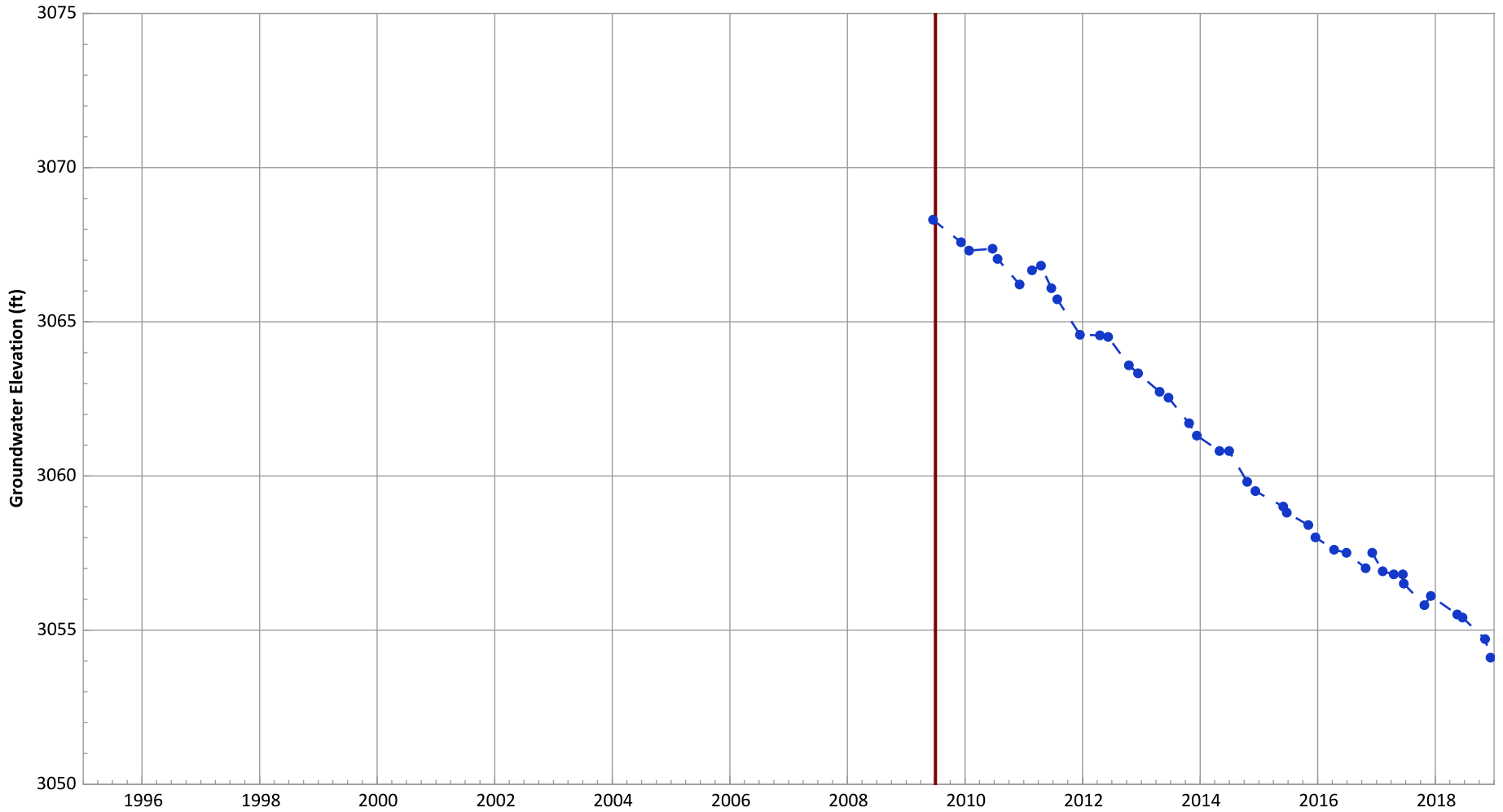
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
2016 - 2018 Data: No Trend
Data (7/2009 - 12/2018): Increasing at 0.17 ft/yr

**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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

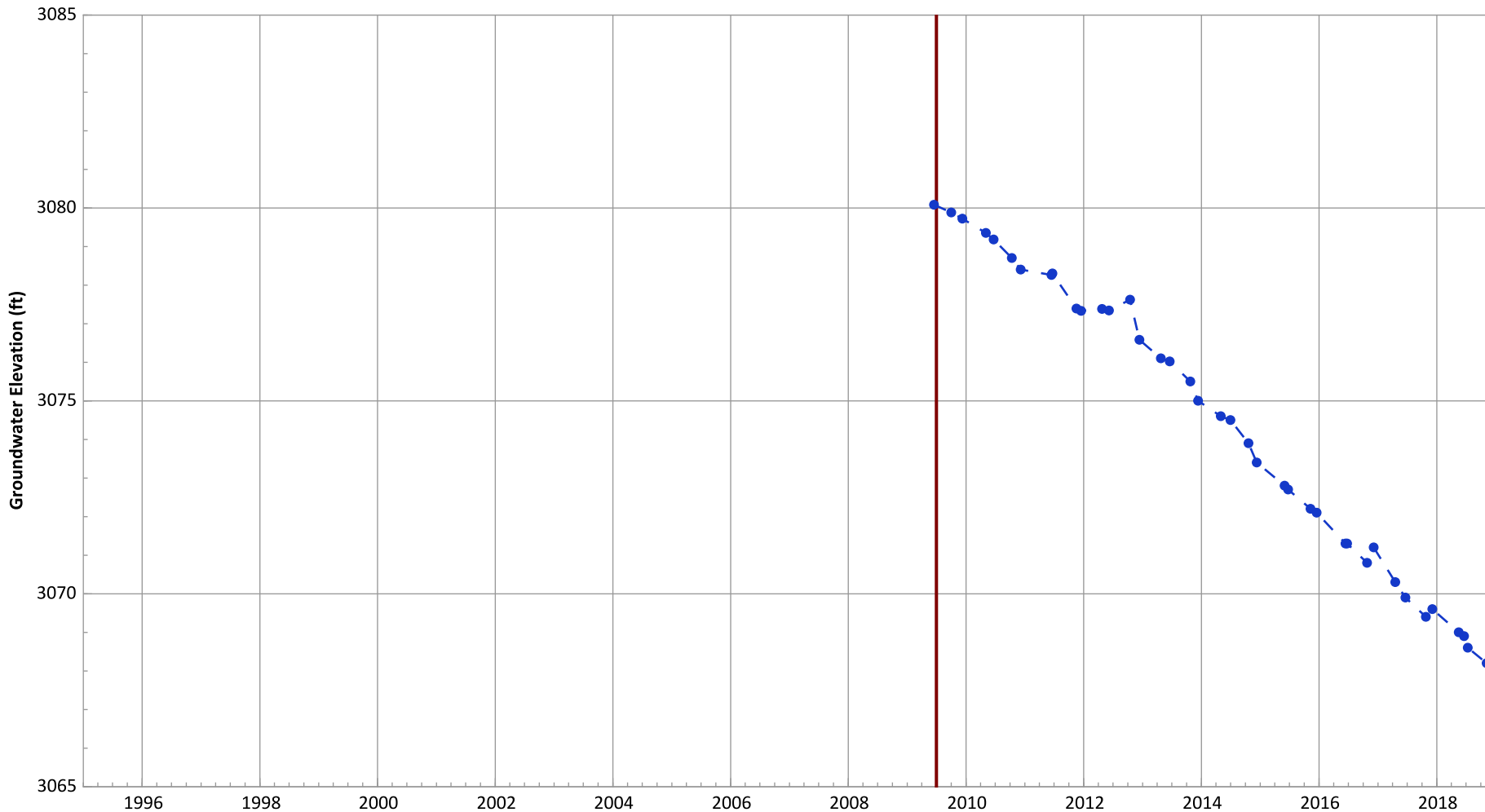
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.4 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.53 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

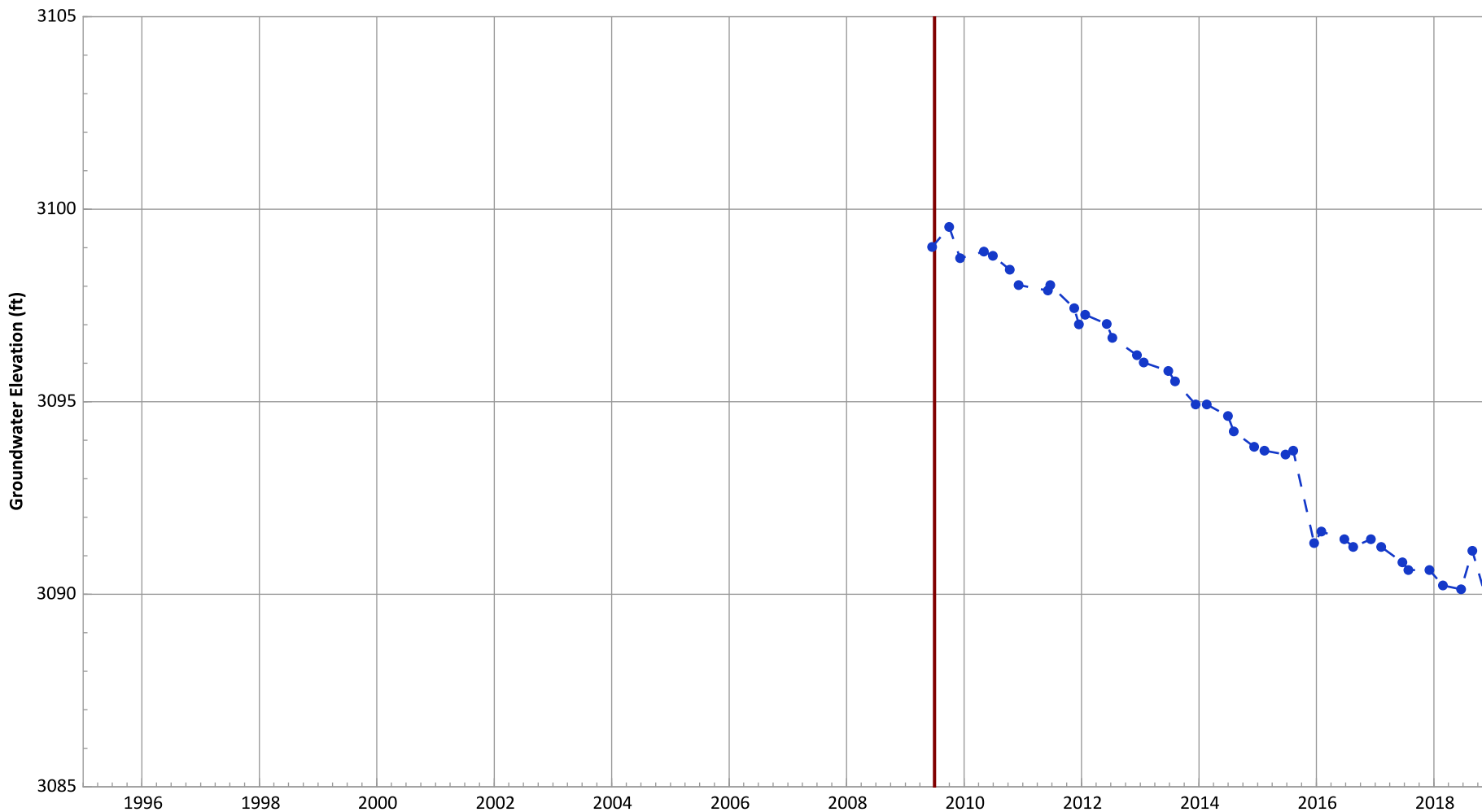
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.37 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.33 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

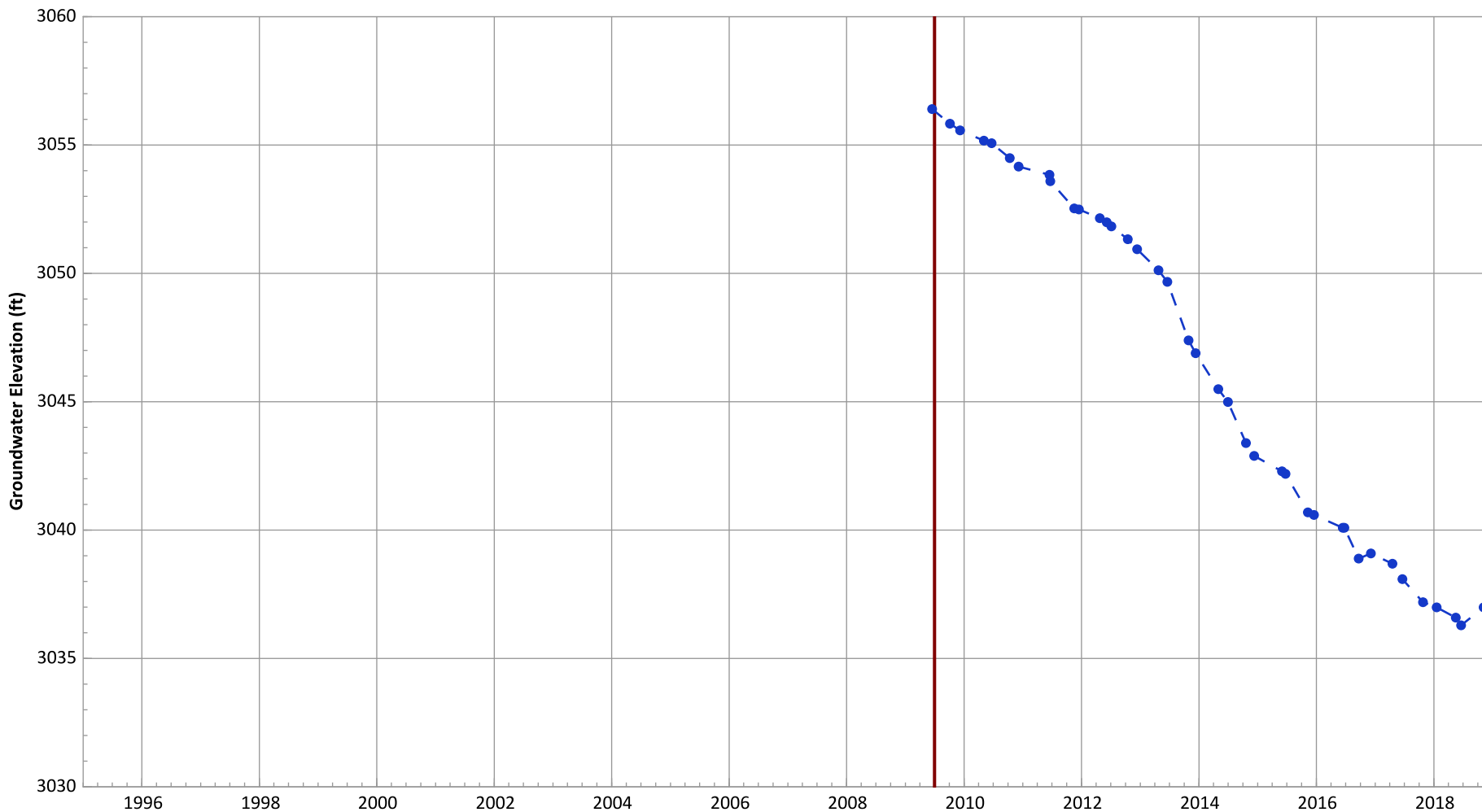
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.54 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.11 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

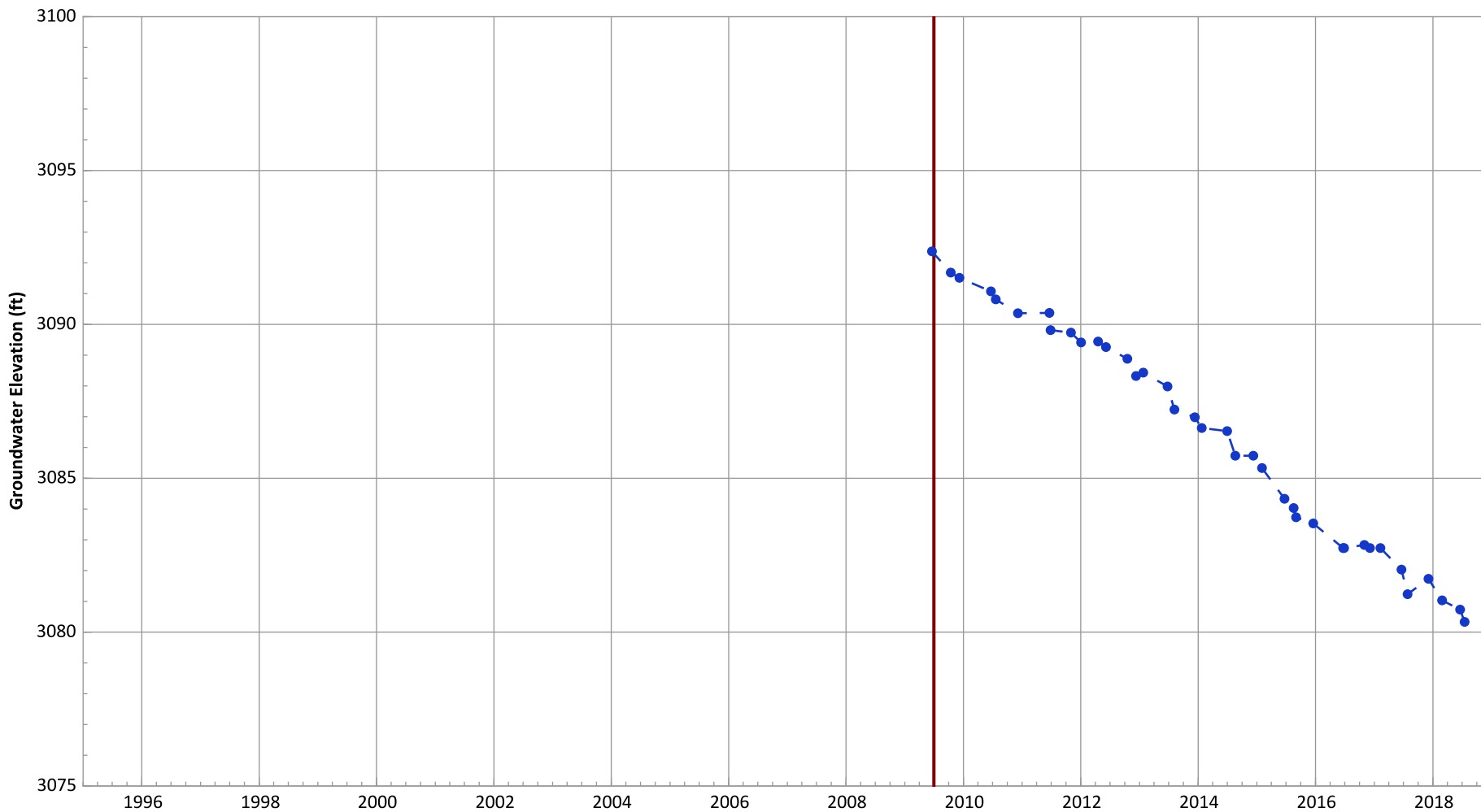
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.61 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 2.48 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

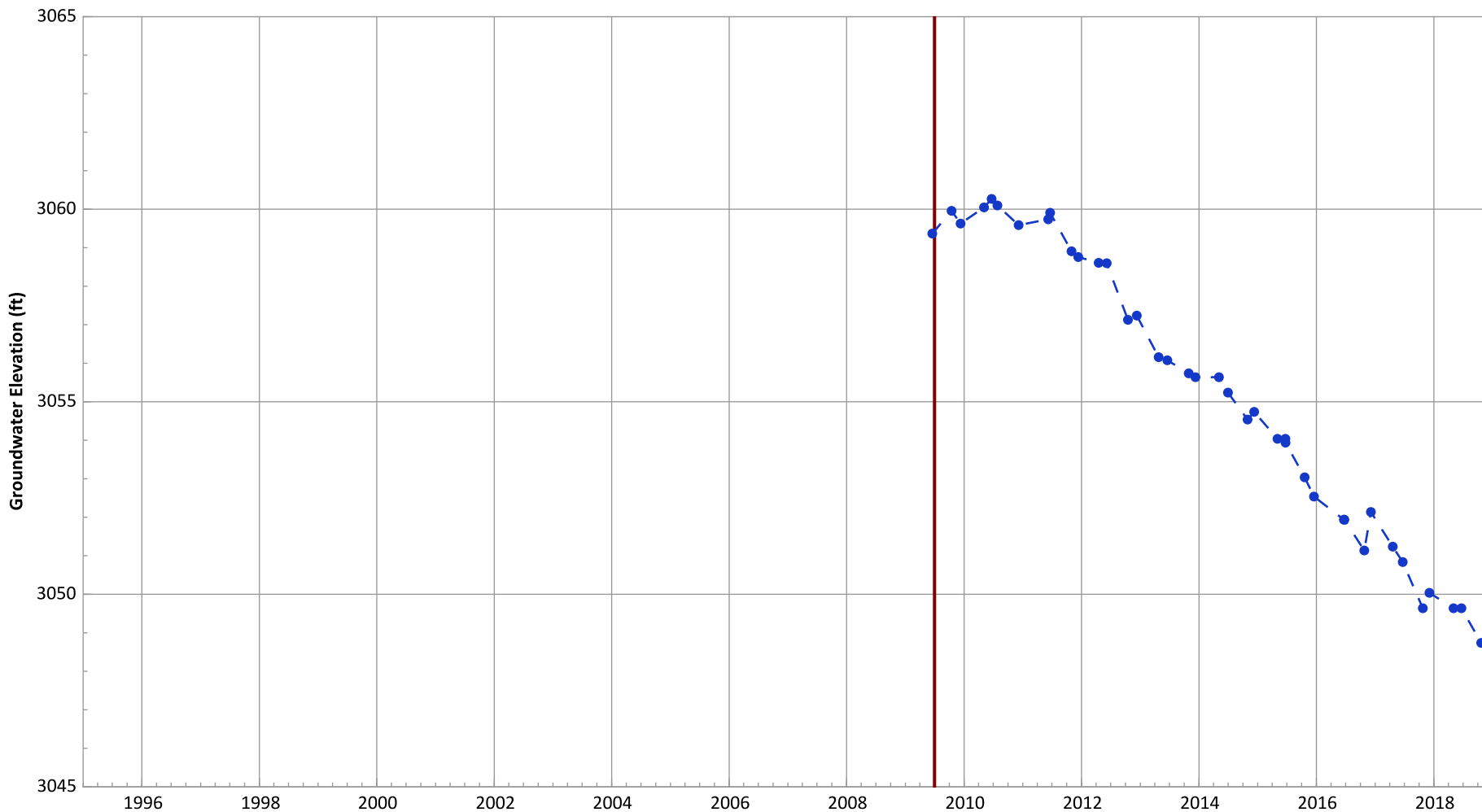
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.33 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.34 ft/yr

**PTX06-1143 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

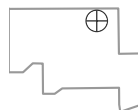


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

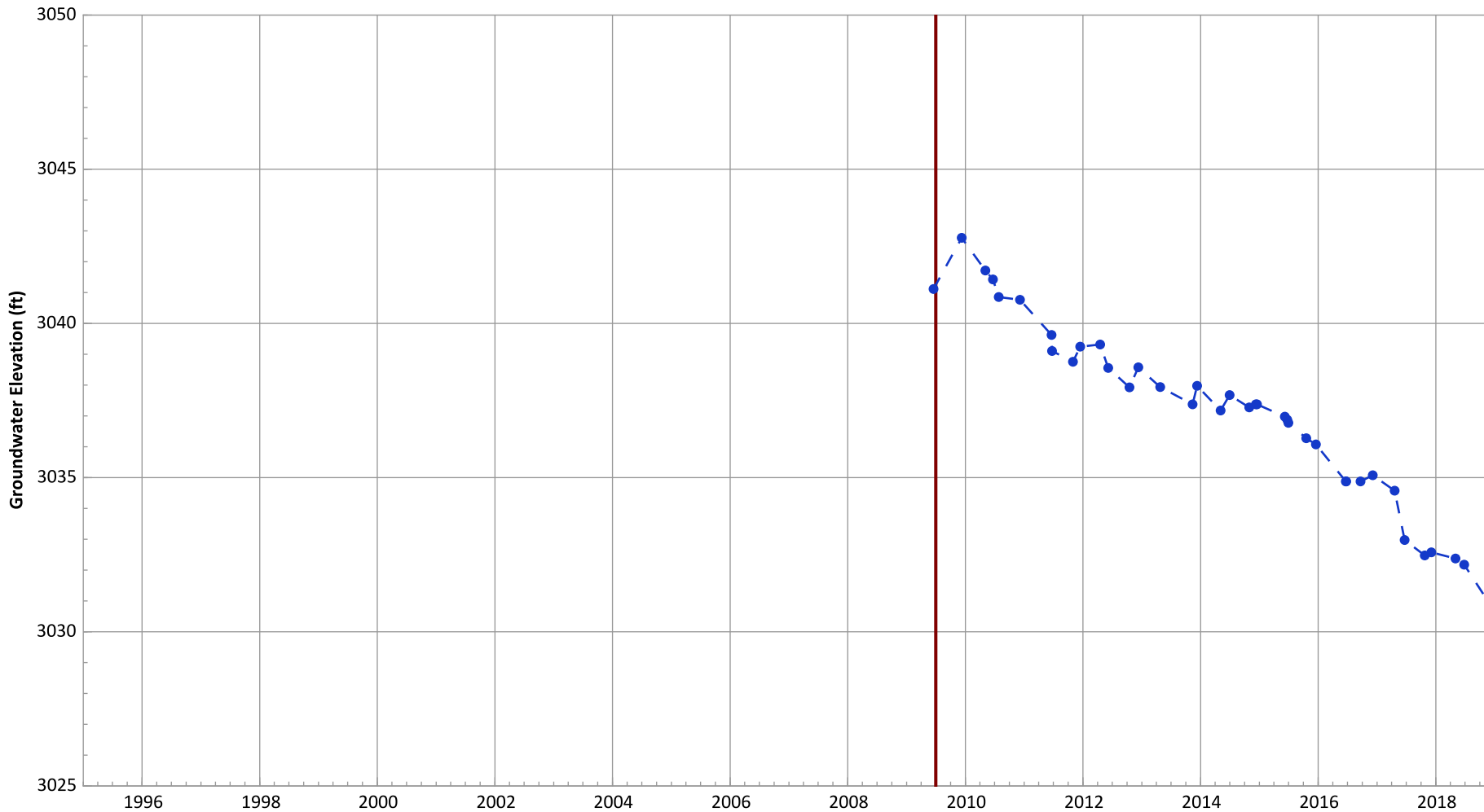
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.49 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.36 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

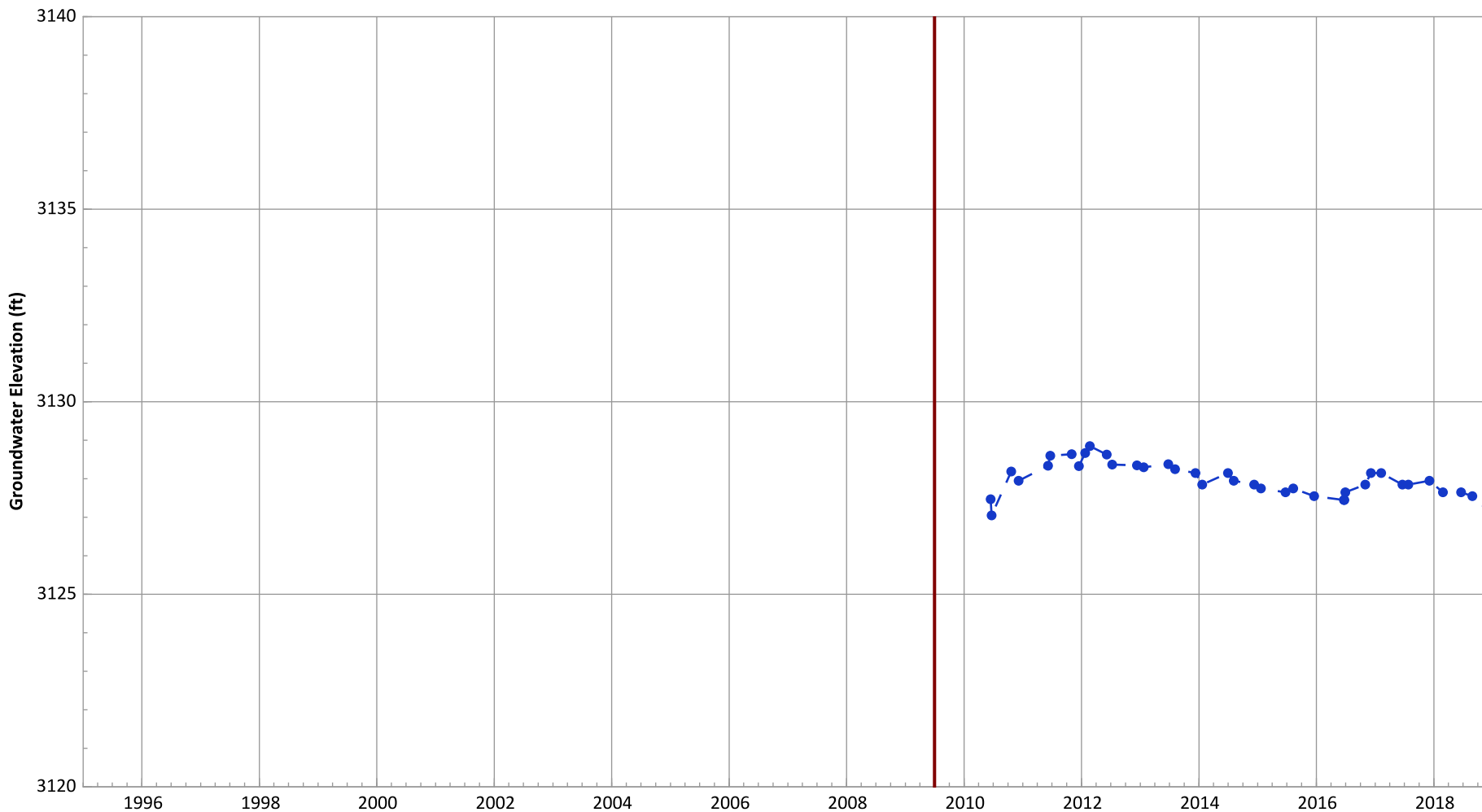
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.98 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.11 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

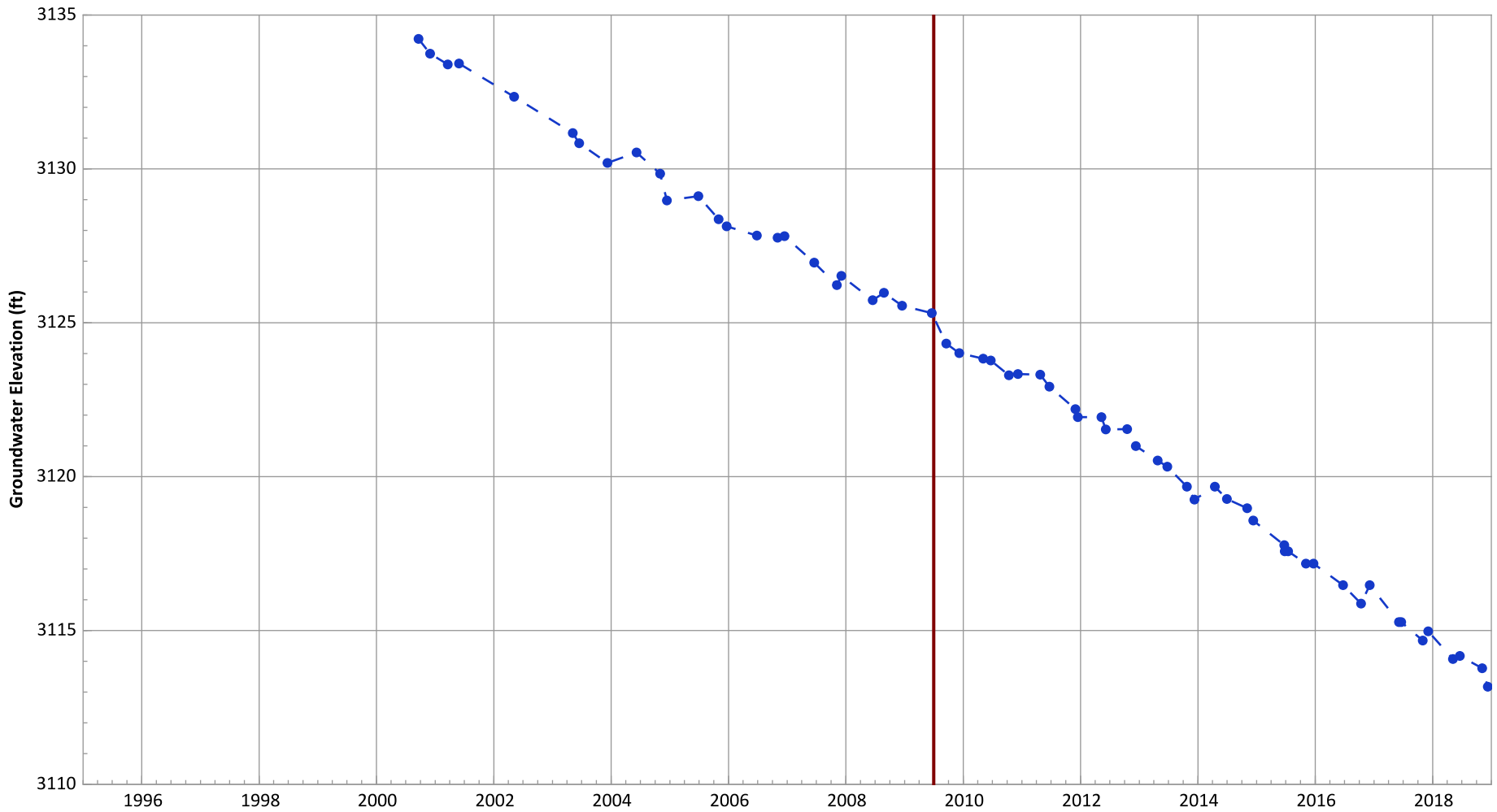
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.43 ft/yr
 Data (7/2009 - 12/2018): No Trend

**PTX07-1R01 Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

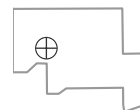


Notes:

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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action

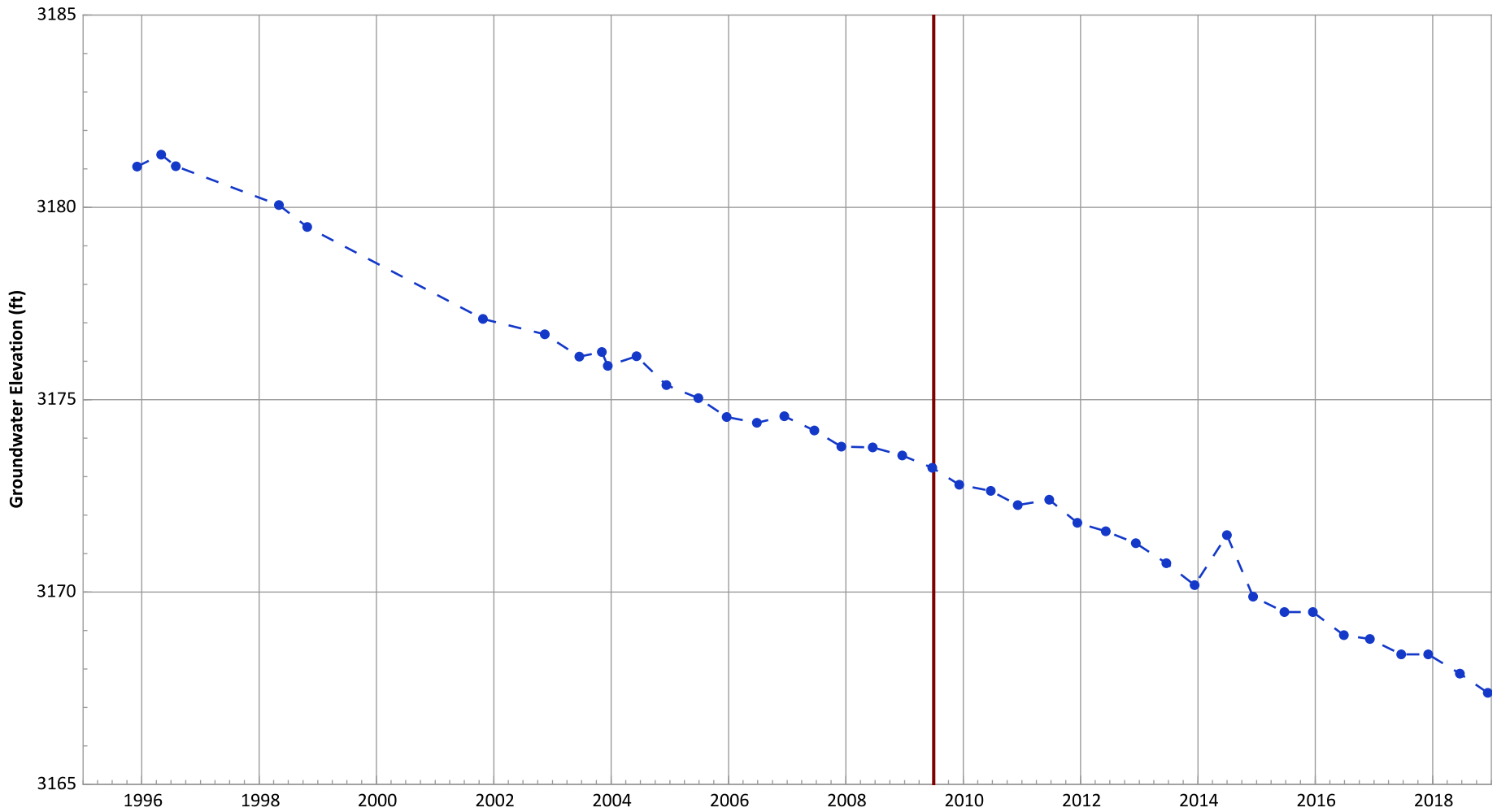
Well Location



Hydrograph Trend

(MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 1.25 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 1.22 ft/yr

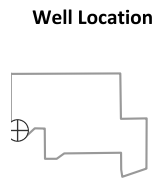
**PTX08-1011A Hydrograph in Ogallala Aquifer
USDOE/NNSA Pantex Plant**



Notes:

1. Top of screen elevation is 3165.26 ft msl.
 2. The bottom of screen elevation is 3135.26 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: 02/14/2019

—●— Groundwater Elevation
 — Start of Remedial Action



Hydrograph Trend
 (MAROS Linear Regression Method)
 2016 - 2018 Data: Decreasing at 0.71 ft/yr
 Data (7/2009 - 12/2018): Decreasing at 0.6 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	COC>GWPS	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	PERC, TCE	Semi-Annual	N/A	Increasing	Decreasing	NT
North	OW-WR-38	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX	Annual	Probably Increasing	NT	Increasing	NT
Burning Ground	PTX01-1001	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Semi-Annual	N/A	Decreasing	Decreasing	NT
Burning Ground	PTX01-1002	UM	Compare to GWPS	Below background/PQL and GWPS	NONE	Annual	NT	NT	NT	NT
Burning Ground	PTX01-1004	PS	Dry			NA	NT	NT	NT	NT
Burning Ground	PTX01-1008	UM	Compare to GWPS	Below background/PQL and GWPS	NONE	Semi-Annual	N/A	ND	ND	NT
Burning Ground	PTX01-1009	PS	Dry			NA	NT	NT	NT	NT
Miscellaneous	PTX04-1001	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	5 Yrs	N/A	NT	Decreasing	NT
Miscellaneous	PTX04-1002	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Annual	Decreasing	NT	Decreasing	NT
Southeast	PTX06-1002A	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX	Semi-Annual	Decreasing	NT	Decreasing	Decreasing
Southeast	PTX06-1003	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations		Annual	NT	NT	NT	NT
Southeast	PTX06-1005	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	DNT2A, DNT4A, RDX, TNB135, TNX,	Semi-Annual	Decreasing	NT	Increasing	Decreasing
Zone 11	PTX06-1006	PS	Trend/Compare to GWPS	Long-term decreasing trend	RDX, PERC, DNT4A	Annual	Decreasing	Increasing	Increasing	NT
Zone 11	PTX06-1007	UM	Trend/Compare to GWPS	Long-term decreasing trend	PERC, DNT4A	Annual	No Trend	Decreasing	Decreasing	NT
Southeast, Zone 11	PTX06-1008	UM	Trend/Compare to GWPS	Long-term decreasing trend	DCA12	Annual	ND	N/A	Decreasing	Decreasing
Southeast	PTX06-1010	UM	Trend/Compare to GWPS	Long-term decreasing trend	CR, CR6, RDX	Semi-Annual	Decreasing	NT	Increasing	Decreasing
Southeast, Zone 11	PTX06-1011	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	TCE	Annual	No Trend	Increasing	Increasing	Increasing
Zone 11	PTX06-1012	PS, RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	DCA12, TCE, DCE12C,	Quarterly	ND	Decreasing	Decreasing	NT
Southeast	PTX06-1013	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX	Semi-Annual	Decreasing	NT	ND	N/A
Southeast	PTX06-1014	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT2A, DNT4A, DNT24	Annual	Probably Increasing	NT	N/A	Decreasing
Southeast	PTX06-1015	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT4A	Semi-Annual	Decreasing	NT	Decreasing	Increasing
Southeast	PTX06-1023	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	NONE	Semi-Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1030	RAE	Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT2A, DNT4A	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1031	RAE	Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT4A, CR	Semi-Annual	Increasing	NT	Decreasing	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	COC>GWPS	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
							RDX	Perc	TCE	CR-6
Southeast	PTX06-1034	RAE	Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT4A	Semi-Annual	Increasing	NT	Decreasing	Decreasing
Zone 11	PTX06-1035	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	PERC	Semi-Annual	ND	Increasing	Increasing	NT
Southeast	PTX06-1036	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Annual	NT	NT	NT	NT
Southeast	PTX06-1037	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	NONE	Quarterly	Decreasing	NT	No Trend	Decreasing
Southeast	PTX06-1038	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	TNT, RDX, DNX, TNX, DNT2A,	Semi-Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1039A	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	TNT, RDX, DNX, TNX, DNT2A,	Semi-Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1040	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, DNX, TNX, DNT2A, DNT4A,	Semi-Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1041	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	TNT, RDX, DNX, TNX, DNT2A,	Semi-Annual	No Trend	NT	ND	Decreasing
Southeast	PTX06-1042	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, MNX, TNX, DNT4A	Semi-Annual	Decreasing	NT	ND	Decreasing
Southeast	PTX06-1045	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years		Quarterly	NT	NT	NT	NT
Southeast	PTX06-1046	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT2A, DNT4A	Semi-Annual	No Trend	NT	No Trend	Decreasing
Southeast	PTX06-1047A	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT4A	Semi-Annual	Decreasing	NT	No Trend	Decreasing
North	PTX06-1048A	PS, RAE	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Annual	NT	NT	NT	NT
Miscellaneous	PTX06-1049	PS, UM	Compare to GWPS	Below background/PQL and GWPS	DNT4A, RDX	Annual	Increasing	NT	Probably Increasing	NT
North	PTX06-1050	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT4A	Semi-Annual	Decreasing	NT	ND	NT
Southeast	PTX06-1051	PS	Dry			NA	NT	NT	NT	NT
Southeast	PTX06-1052	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	CR,CR-6	Semi-Annual	Decreasing	NT	Decreasing	Decreasing
Southeast, Zone 11	PTX06-1053	PS, UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Semi-Annual	Decreasing	ND	ND	Decreasing
Miscellaneous	PTX06-1055	PS	Dry			NA	NT	NT	NT	NT
Southeast	PTX06-1069	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS		Annual	NT	NT	NT	NT
Miscellaneous	PTX06-1071	UM	Compare to GWPS	Below background/PQL and GWPS		5 Yrs	NT	NT	NT	NT
Zone 11	PTX06-1073A	PS	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations		NA	NT	NT	NT	NT
Zone 11	PTX06-1077A	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	TCE	Annual	Decreasing	No Trend	Decreasing	NT
Miscellaneous	PTX06-1080	UM	Compare to GWPS	Below background/PQL and GWPS		5 Yrs	NT	NT	NT	NT
Miscellaneous	PTX06-1081	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Annual	N/A	NT	No Trend	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	COC>GWPS	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
							RDX	Perc	TCE	CR-6
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	NONE	Annual	ND	NT	ND	NT
Miscellaneous	PTX06-1086	UM	Compare to GWPS	Below background/PQL and GWPS	NONE	Annual	ND	NT	ND	NT
Southeast	PTX06-1088	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	TCE, RDX, DNT24, DNT4A, PCE	Semi-Annual	Decreasing	NT	Decreasing	Decreasing
Southeast	PTX06-1089	PS	Dry			NA	NT	NT	NT	NT
Southeast	PTX06-1090	PS	Dry			NA	NT	NT	NT	NT
Southeast	PTX06-1091	PS	Dry			NA	NT	NT	NT	NT
Southeast	PTX06-1093	PS	Dry			NA	NT	NT	NT	NT
Southeast	PTX06-1094	PS	Dry			NA	NT	NT	NT	NT
Southeast	PTX06-1095A	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT4A, DNT2A, TCE, CR,	Semi-Annual	No Trend	NT	Increasing	No Trend
Miscellaneous	PTX06-1096A	PS, UM	Dry	Remain dry		NA	NT	NT	NT	NT
Miscellaneous	PTX06-1097	PS, UM	Dry	Remain dry		NA	NT	NT	NT	NT
Southeast	PTX06-1098	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	NONE	Semi-Annual	N/A	NT	Increasing	Decreasing
Southeast	PTX06-1100	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	NONE	Annual	ND	NT	No Trend	Decreasing
Southeast	PTX06-1101	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TCE	Annual	Increasing	NT	Increasing	Decreasing
Southeast	PTX06-1102	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations		Annual	NT	NT	NT	NT
Southeast	PTX06-1103	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations		Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1118	RAE	Trend/Compare to GWPS	Long-term stabilization of concentrations		Annual	NT	NT	NT	NT
Southeast	PTX06-1119	PS	Dry	Remain dry		NA	NT	NT	NT	NT
Southeast	PTX06-1120	PS	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT2A, DNT4A	NA	NT	NT	NT	NT
Southeast	PTX06-1121	PS	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations		NA	NT	NT	NT	NT
Southeast	PTX06-1122	PS	Dry	Remain dry		NA	NT	NT	NT	NT
Southeast	PTX06-1123	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	TNX	Quarterly	NT	NT	NT	NT
Southeast	PTX06-1124	PS	Dry	Remain dry		NA	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	COC>GWPS	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
							RDX	Perc	TCE	CR-6
Southeast	PTX06-1125	PS	Dry	Remain dry		NA	NT	NT	NT	NT
Zone 11	PTX06-1126	PS, UM	Trend/Compare to GWPS	Long-term decreasing trend	TCE, PERC, DIOXANE14,	Semi-Annual	Increasing	Decreasing	No Trend	Decreasing
Zone 11	PTX06-1127	PS, UM	Trend/Compare to GWPS	Long-term decreasing trend	TCE, PERC, DIOXANE14,	Semi-Annual	Increasing	Decreasing	Increasing	Decreasing
Southeast	PTX06-1130	RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, TNX, DNT2A, DNT4A, CR	Semi-Annual	NT	NT	NT	NT
Miscellaneous	PTX06-1131	UM	Compare to GWPS	Below background/PQL and GWPS	NONE	Semi-Annual	N/A	NT	ND	NT
Southeast	PTX06-1133A	PS	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations		Semi-Annual	N/A	NT	ND	Decreasing
Zone 11	PTX06-1134	PS	Trend/Compare to GWPS	Long-term decreasing trend	DNT4A	Semi-Annual	N/A	Increasing	Increasing	NT
Southeast	PTX06-1135	PS	Trend/Compare to GWPS	Long-term decreasing trend	NONE	Semi-Annual	NT	NT	NT	NT
North	PTX06-1136	PS	Trend/Compare to GWPS	Long-term decreasing trend	NONE	Semi-Annual	NT	NT	NT	NT
Southeast	PTX06-1146	PS	Trend/Compare to GWPS	Long-term decreasing trend	RDX, TNX, DNT4A	Semi-Annual	Decreasing	NT	ND	Increasing
Southeast	PTX06-1147	PS	Trend/Compare to GWPS	Long-term decreasing trend	RDX, MNX, DNX, TNX, DNT4A	Semi-Annual	No Trend	NT	Decreasing	Decreasing
Zone 11	PTX06-1148	PS, RAE	Trend/Compare to GWPS	Below GWPS in 5 -10 years	PERC	Semi-Annual	Decreasing	Decreasing	Decreasing	NT
Zone 11	PTX06-1149	PS	Trend/Compare to GWPS	Below GWPS in 5 -10 years	NONE	Semi-Annual	ND	Decreasing	Increasing	NT
Zone 11	PTX06-1150	PS, RAE	Trend/Compare to GWPS	Below GWPS in 5 -10 years	PERC	Semi-Annual	N/A	Decreasing	Increasing	NT
Zone 11	PTX06-1151	PS	Trend/Compare to GWPS	Long-term decreasing trend	TCE, DCA12, RDX, PERC	Semi-Annual	Decreasing	Decreasing	Decreasing	NT
Southeast	PTX06-1153	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	RDX, MNX, TNX, CR, CR-6, DNT4A,	Quarterly	Increasing	NT	Decreasing	Decreasing
Southeast	PTX06-1154	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	TNX	Quarterly	Decreasing	NT	Decreasing	Decreasing
Zone 11	PTX06-1155	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	TCE, DCA12, DCE12C,	Quarterly	N/A	Decreasing	Decreasing	NT
Zone 11	PTX06-1156	RAE	Trend/Compare to GWPS	Below GWPS in 2-5 years	NONE	Quarterly	ND	Decreasing	Decreasing	NT
Southeast	PTX06-1158	PS	Water Level, Trend/Compare to GWPS	Long-term decreasing trend		Semi-Annual	NT	NT	NT	NT
Zone 11	PTX06-1159	PS, RAE	Trend/Compare to GWPS	Long-term decreasing trend	TCE, DCA12, PERC, DNT4A	Semi-Annual	N/A	Increasing	Probably Increasing	NT
Zone 11	PTX06-1160	PS	Trend/Compare to GWPS	Long-term decreasing trend	NONE	Semi-Annual	N/A	N/A	Increasing	NT
Southeast	PTX06-1166	PS	Trend/Compare to GWPS	Long-term decreasing trend	RDX, TCE	Semi-Annual	Decreasing	NT	Decreasing	Increasing
Southeast	PTX06-1167	RAE	Trend/Compare to GWPS	Long-term decreasing trend		Semi-Annual	NT	NT	NT	NT
North	PTX07-1O01	PS, UM, RAE	Trend/Compare to GWPS	Long-term decreasing trend	RDX	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	COC>GWPS	Indicator List Monitoring Frequency	Trend Since Start of Remedial Action			
							RDX	Perc	TCE	CR-6
North	PTX07-1O02	PS, UM, RAE	Trend/Compare to GWPS	Long-term decreasing trend	NONE	Semi-Annual	NT	NT	NT	NT
North	PTX07-1O03	PS, UM, RAE	Trend/Compare to GWPS	Long-term decreasing trend	RDX, TNX	Annual	Increasing	NT	Increasing	NT
North	PTX07-1O06	PS, UM, RAE	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Annual	NT	NT	NT	NT
Zone 11	PTX07-1P02	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Semi-Annual	Increasing	N/A	ND	NT
Zone 11	PTX07-1P05	UM	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	RDX	Annual	NT	NT	NT	NT
Miscellaneous	PTX07-1Q01	UM	Compare to GWPS	Below background/PQL and GWPS	NONE	Annual	ND	NT	ND	NT
Miscellaneous	PTX07-1Q02	UM	Compare to GWPS	Below background/PQL and GWPS	NONE	Annual	ND	NT	ND	NT
Miscellaneous	PTX07-1Q03	UM	Compare to GWPS	Below background/PQL and GWPS	NONE	Annual	ND	NT	ND	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	RDX, TNX	Annual	Probably Increasing	Decreasing	ND	NT
Southeast	PTX08-1002	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	RDX, MNX, TNX, DNT2A, DNT4A	Semi-Annual	Decreasing	NT	ND	N/A
Zone 11	PTX08-1003	PS	Trend/Compare to GWPS	Stable or decreasing trend below GWPS	NONE	Annual	Increasing	Decreasing	Decreasing	NT
Zone 11	PTX08-1005	UM	Trend/Compare to GWPS	Long-term decreasing trend	TCE, DNT4A	Semi-Annual	Decreasing	Decreasing	Decreasing	Decreasing
Zone 11	PTX08-1006	UM	Trend/Compare to GWPS	Long-term decreasing trend	RDX, TNX, PERC, DNT4A, TCE, PCE,	Semi-Annual	Decreasing	Decreasing	Increasing	NT
Southeast, Zone 11	PTX08-1007	UM	Trend/Compare to GWPS	Long-term decreasing trend	TCE, RDX	Annual	Decreasing	No Trend	Decreasing	Decreasing
Southeast, Zone 11	PTX08-1008	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	CR, CR-6	Semi-Annual	N/A	Increasing	Increasing	Decreasing
Southeast	PTX08-1009	UM, RAE	Water Level, Trend/Compare to GWPS	Long-term stabilization of concentrations	NONE	Semi-Annual	Decreasing	N/A	N/A	Increasing
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	TCE	Annual	Decreasing	No Trend	Decreasing	No Trend

NT - Trends were not calculated for this COC in this well. Well is dry or the COC was not sampled during 2018.

N/A - Trending could not be performed, either due to a) <4 samples in dataset or b) <4 Detections in dataset

ND - all samples were non-detect

UM = Uncertainty management

PS = Plume stability

RAE = Response action effectiveness

NS* = well not sampled due to either dry conditions or insufficient water for sampling

Perched Aquifer Well 2018 COC Trends

Well	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
1114-MW4	RDX	3/19/1996	11/28/2018	37	3	0	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	19	3	No	0	0.00	0	<4 Detections in Data
1114-MW4	HMX	3/19/1996	11/28/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	TNT	3/19/1996	11/28/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	DNT24	3/19/1996	11/28/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	DNT26	3/19/1996	11/28/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	DNT2A	3/19/1996	11/28/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	DNT4A	3/19/1996	11/28/2018	37	21	No	0.86123463	217.00	0.998	Increasing	4	4	No	0.11954336	4.00	0.833	No Trend	19	17	No	0.46152663	28.00	0.825	No Trend
1114-MW4	TNB135	3/19/1996	11/28/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	DNB13	3/19/1996	11/28/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	DIOXANE14	5/13/2003	11/28/2018	25	15	No	1.06359853	-13.00	1	Decreasing	4	4	No	0.14542364	6.00	0.958	Increasing	19	13	No	0.5035024	63.00	0.986	Increasing
1114-MW4	PCE	3/19/1996	11/28/2018	39	33	No	0.41023859	-281.00	1	Decreasing	4	4	No	0.40351904	4.00	0.833	No Trend	19	19	No	0.29300034	-74.00	1	Decreasing
1114-MW4	TCE	3/19/1996	11/28/2018	40	40	No	0.51707159	34.00	1	Increasing	4	4	No	0.4116583	4.00	0.833	No Trend	19	19	No	0.23601812	-70.00	1	Decreasing
1114-MW4	DCE12C	3/19/1996	11/28/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
1114-MW4	DCA12	3/19/1996	11/28/2018	38	25	No	0.54613248	99.00	0.89	No Trend	4	4	No	0.32148588	3.00	0.729	No Trend	19	19	No	0.40501803	-64.00	1	Decreasing
1114-MW4	TCLME	3/19/1996	11/28/2018	38	28	No	0.36715759	131.00	0.949	Probably Increasing	4	4	No	0.3175878	2.00	0.625	Stable	19	18	No	0.30472127	-22.00	1	Decreasing
1114-MW4	PERC	4/22/2002	11/28/2018	27	27	No	0.57640107	31.00	0.732	No Trend	4	4	No	0.07990927	0.00	0.375	Stable	19	19	No	0.20565897	117.00	1	Increasing
1114-MW4	B	3/19/1996	11/28/2018	34	32	No	0.16422027	-51.00	1	Decreasing	4	4	No	0.05681175	5.00	0.895	No Trend	19	19	No	0.07833903	51.00	0.96	Increasing
1114-MW4	MN	3/19/1996	5/15/2018	22	14	No	1.35042224	81.00	1	Increasing	4	4	No	1.42857988	4.00	0.833	No Trend	5	5	No	1.56249663	8.00	0.583	Increasing
OW-WR-38	RDX	11/6/1992	6/5/2018	23	20	No	0.57996787	-17.00	1	Decreasing	4	4	No	0.43656331	4.00	0.833	No Trend	10	10	No	0.55123295	19.00	0.946	Probably Increasing
OW-WR-38	HMX	11/6/1992	6/5/2018	23	17	No	0.56256628	-127.00	1	Decreasing	4	4	No	0.24553018	2.00	0.625	No Trend	10	10	No	0.30589059	-5.00	1	Decreasing
OW-WR-38	TNT	11/6/1992	6/5/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	DNT24	11/15/1995	6/5/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	DNT26	11/15/1995	6/5/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	DNT2A	11/15/1995	6/5/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	DNT4A	11/15/1995	6/5/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	TNB135	11/15/1995	6/5/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	DNB13	11/15/1995	6/5/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	PCE	4/12/1993	6/5/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	TCE	11/15/1995	6/5/2018	20	6	No	0.91191446	-32.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	10	6	No	0.156803	23.00	0.977	Increasing
OW-WR-38	DCE12C	3/19/1996	6/5/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	DCA12	11/15/1995	6/5/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	TCLME	4/12/1993	6/5/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
OW-WR-38	B	4/12/1993	6/5/2018	32	32	No	0.1926302	-235.00	1	Decreasing	4	4	No	0.13112018	6.00	0.958	Increasing	10	10	No	0.11316183	1.00	1	Increasing
OW-WR-38	MN	11/6/1992	6/5/2018	29	24	No	1.85642102	114.00	0.983	Increasing	4	4	No	1.73523868	-6.00	1	Decreasing	5	5	No	1.62885498	-8.00	1	Decreasing
PTX01-1001	RDX	11/15/1995	11/28/2018	68	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	<4 Detections in Data
PTX01-1001	HMX	11/15/1995	11/28/2018	68	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	TNT	11/15/1995	11/28/2018	68	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	DNT24	11/15/1995	11/28/2018	68	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	DNT26	11/15/1995	11/28/2018	68	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	DNT2A	11/15/1995	11/28/2018	68	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	DNT4A	11/15/1995	11/28/2018	65	4	No	0.5526603	-474.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	2	No	0	0.00	0	<4 Detections in Data
PTX01-1001	TNB135	11/15/1995	11/28/2018	68	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	DNB13	11/15/1995	11/28/2018	64	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	PCE	11/15/1995	11/28/2018	64	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	TCE	11/15/1995	11/28/2018	69	36	No	1.57717299	-47.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	19	15	No	0.34422663	-75.00	1	Decreasing
PTX01-1001	DCE12C	11/15/1995	11/28/2018	65	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	DCA12	11/15/1995	11/28/2018	64	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	TCLME	11/15/1995	11/28/2018	63	5	No	0.7289186	-17.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1001	PERC	8/19/1999	11/28/2018	50	25	No	1.77868319	-140.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	19	4	No	0.81932755	-32.00	1	Decreasing
PTX01-1001	B	11/15/1995	11/28/2018	64	57	No	0.27310899	313.00	1	Increasing	4	4	No	0.0699049	2.00	0.625	No Trend	19	19	No	0.09066193	-19.00	1	Decreasing
PTX01-1001	MN	11/15/1995	5/14/2018	52	22	No	0.90682165	536.00	1	Increasing	4	3	No	0	0.00	0	<4 Detections in Data	5	4	No	0.43235853	8.00	0.958	Increasing
PTX01-1008	RDX	4/4/2001	11/28/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	20	1	No	0	0.00	0	<4 Detections in Data
PTX01-1008	HMX	4/4/2001	11/28/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1008	TNT	4/4/2001	11/28/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1008	DNT24	4/4/2001	11/28/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1008	DNT26	4/4/2001	11/28/2018	36	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1008	DNT2A	4/4/2001	11/28/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1008	DNT4A	4/4/2001	11/28/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1008	TNB135	4/4/2001	11/28/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0										

Perched Aquifer Well 2018 COC Trends

Well	COC	First Date	Last Date	NumS AD	NumD AD	AIIND AD	CV AD	MKS AD	Conf AD	Trend AD	NumS L4S	NumD L4S	AIIND L4S	CV L4S	MKS L4S	Conf L4S	Trend L4S	NumS SSRA	NumD SSRA	AIIND SSRA	CV SSRA	MKS SSRA	Conf SSRA	Trend SSRA
PTX04-1002	DNT2A	8/25/1998	7/18/2018	29	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX04-1002	DNT4A	8/25/1998	7/18/2018	29	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX04-1002	TNB13S	8/25/1998	7/18/2018	29	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX04-1002	DNB13	8/25/1998	7/18/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX04-1002	PCE	8/25/1998	7/18/2018	27	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX04-1002	TCE	8/25/1998	7/18/2018	31	26	No	0.71839261	-306.00	1	Decreasing	4	4	No	0.12160587	2.00	0.625	No Trend	9	9	No	0.23225944	-17.00	0	All Non-Detect
PTX04-1002	DCE12C	1/26/2000	7/18/2018	27	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX04-1002	DCA12	8/25/1998	7/18/2018	27	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX04-1002	TCLME	8/25/1998	7/18/2018	26	5	No	0.95440682	-93.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	9	2	No	0	0.00	0	<4 Detections in Data
PTX04-1002	B	8/25/1998	7/18/2018	32	32	No	0.10252264	227.00	1	Increasing	4	4	No	0.08598138	4.00	0.833	No Trend	9	9	No	0.0580031	11.00	0.8455	No Trend
PTX04-1002	MN	8/25/1998	7/18/2018	29	23	No	1.42483044	-58.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	5	4	No	0.32773668	-2.00	1	Decreasing
PTX06-1002A	RDX	12/4/1995	8/14/2018	37	35	No	0.70778381	-139.00	1	Decreasing	4	4	No	0.88845787	4.00	0.833	No Trend	19	19	No	0.72717463	-87.00	1	Decreasing
PTX06-1002A	HMX	12/4/1995	8/14/2018	37	29	No	0.93492518	-314.00	1	Decreasing	4	4	No	0.80498488	4.00	0.833	No Trend	19	19	No	0.74469537	-59.00	1	Decreasing
PTX06-1002A	TNT	12/4/1995	8/14/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1002A	DNT2A	12/4/1995	8/14/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1002A	DNT26	12/4/1995	8/14/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1002A	DNT2A	12/4/1995	8/14/2018	36	6	No	1.20355361	-334.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	4	No	0.10130633	26.00	0.8065	No Trend
PTX06-1002A	DNT4A	12/4/1995	8/14/2018	35	18	No	0.96537841	-308.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	19	9	No	0.40886258	-56.00	1	Decreasing
PTX06-1002A	TNB13S	12/4/1995	8/14/2018	36	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	2	No	0	0.00	0	<4 Detections in Data
PTX06-1002A	DNB13	12/4/1995	8/14/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1002A	PCE	12/4/1995	8/14/2018	33	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1002A	TCE	12/4/1995	8/14/2018	34	13	No	2.03089772	-78.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	9	No	0.27568334	-1.00	1	Decreasing
PTX06-1002A	DCE12C	12/4/1995	8/14/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1002A	DCA12	12/4/1995	8/14/2018	32	4	No	0.94551511	-84.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	4	No	0.18974784	40.00	0.9125	Probably Increasing
PTX06-1002A	TCLME	12/4/1995	8/14/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1002A	B	12/4/1995	8/14/2018	36	36	No	0.09112143	17.00	0.5855	No Trend	4	4	No	0.07357596	-6.00	1	Decreasing	19	19	No	0.08511258	-7.00	1	Decreasing
PTX06-1002A	CR	12/4/1995	8/14/2018	36	19	No	1.44296836	-168.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	4	No	0.16428003	6.00	0.5685	No Trend
PTX06-1002A	CR-6	3/12/1996	8/14/2018	38	11	No	0.54526891	-79.00	1	Increasing	4	4	No	1.58664632	4.00	0.833	No Trend	19	7	No	0.58790269	-109.00	1	Decreasing
PTX06-1002A	MN	12/4/1995	8/14/2018	35	18	No	0.97450963	214.00	0.999	Increasing	4	4	No	0.44534614	0.00	0.375	Stable	19	12	No	0.96472064	50.00	0.9565	Increasing
PTX06-1002A	NI	12/4/1995	8/14/2018	35	32	No	1.03893327	-195.00	1	Decreasing	4	4	No	0.4544397	4.00	0.833	No Trend	19	18	No	0.36708791	-14.00	1	Decreasing
PTX06-1002A	MO	12/4/1995	8/14/2018	36	34	No	1.11561235	209.00	0.999	Increasing	4	4	No	0.64719270	4.00	0.633	No Trend	19	18	No	0.98140883	125.00	0	Increasing
PTX06-1005	RDX	11/20/1995	8/14/2018	38	38	No	0.82152649	-98.00	1	Decreasing	4	4	No	0.55868086	-4.00	1	Decreasing	19	19	No	0.78776444	-110.00	1	Decreasing
PTX06-1005	HMX	11/20/1995	8/14/2018	38	37	No	0.95711122	-327.00	1	Decreasing	4	4	No	0.53927014	-4.00	1	Decreasing	19	19	No	0.76369345	-95.00	1	Decreasing
PTX06-1005	TNT	11/20/1995	8/14/2018	38	33	No	1.31956221	-183.00	1	Decreasing	4	4	No	0.32553124	-6.00	1	Decreasing	19	19	No	0.44293978	-21.00	1	Decreasing
PTX06-1005	DNT2A	11/20/1995	8/14/2018	38	22	No	1.81363609	-470.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	11	No	1.14918859	-124.00	1	Decreasing
PTX06-1005	DNT26	11/20/1995	8/14/2018	38	15	No	2.08140241	-162.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	14	No	0.83042772	2.00	0.5135	No Trend
PTX06-1005	DNT2A	11/20/1995	8/14/2018	38	28	No	0.77487404	-7.00	1	Decreasing	4	4	No	0.43778467	-4.00	1	Decreasing	19	19	No	0.53257186	-132.00	1	Decreasing
PTX06-1005	DNT4A	11/20/1995	8/14/2018	38	28	No	0.94399712	-4.00	1	Decreasing	4	4	No	0.1091833	-6.00	1	Decreasing	19	19	No	0.76927489	-111.00	1	Decreasing
PTX06-1005	TNB13S	11/20/1995	8/14/2018	38	37	No	0.67198819	-133.00	1	Decreasing	4	4	No	0.16824528	2.00	0.625	No Trend	19	19	No	0.31606815	-15.00	1	Decreasing
PTX06-1005	DNB13	11/20/1995	8/14/2018	36	5	No	2.04062569	-383.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1005	DIOXANE14	5/1/2006	2/19/2018	7	5	No	0.68843679	-9.00	1	Decreasing	4	4	No	0.86408714	-6.00	1	Decreasing	5	5	No	0.90498969	-6.00	1	Decreasing
PTX06-1005	PCE	11/20/1995	8/14/2018	39	23	No	0.95215003	434.00	1	Increasing	4	4	No	0.24822029	-2.00	1	Decreasing	19	17	No	0.55091141	112.00	1	Increasing
PTX06-1005	TCE	11/20/1995	8/14/2018	40	37	No	0.80285137	-413.00	1	Increasing	4	4	No	0.18411039	-4.00	1	Decreasing	19	19	No	0.49645803	81.00	0.983	Increasing
PTX06-1005	DCE12C	11/20/1995	8/14/2018	36	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1005	DCA12	11/20/1995	8/14/2018	38	31	No	0.62740739	-239.00	1	Decreasing	4	4	No	0.68159284	4.00	0.833	No Trend	19	18	No	0.67618193	-12.00	1	Decreasing
PTX06-1005	TCLME	11/20/1995	8/14/2018	38	24	No	1.45151461	160.00	0.9775	Increasing	4	4	No	0.58625128	4.00	0.833	No Trend	19	19	No	1.4328737	76.00	0.9965	Increasing
PTX06-1005	B	11/20/1995	8/14/2018	37	37	No	0.52705902	-440.00	1	Decreasing	4	4	No	0.12842541	-4.00	1	Decreasing	19	19	No	0.35346591	-81.00	1	Decreasing
PTX06-1005	CR	11/20/1995	8/14/2018	37	37	No	2.28551363	326.00	1	Increasing	4	4	No	0.16863291	-2.00	1	Decreasing	19	19	No	1.61752667	-9.00	1	Decreasing
PTX06-1005	CR-6	3/14/1996	8/14/2018	37	29	No	2.34759684	306.00	1	Increasing	4	4	No	0.50002456	-4.00	1	Decreasing	19	18	No	1.66817214	-9.00	1	Decreasing
PTX06-1005	MN	11/20/1995	8/14/2018	36	26	No	1.01706639	-61.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	19	10	No	1.06301633	-13.00	1	Decreasing
PTX06-1005	NI	11/20/1995	8/14/2018	36	29	No	1.33020934	-145.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	19	18	No	0.57414098	-33.00	1	Decreasing
PTX06-1005	MO	11/20/1995	8/14/2018	36	36	No	0.18768156	-70.00	1	Decreasing	4	4	No	0.11598142	-2.00	1	Decreasing	19	19	No	0.16733147	44.00	0.933	Probably Increasing
PTX06-1006	RDX	12/7/1995	6/12/2018	21	11	No	1.63557417	59.00	1	Increasing	4	4	No	0.34480442	-4.00	1	Decreasing	10	10	No	1.00153773	-35.00	1	Decreasing
PTX06-1006	HMX	12/7/1995	6/12/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1006	TNT	12/7/1995	6/12/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1006	DNT2A	12/7/1995	6/12/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1006	DNT26	12/7/1995	6/12/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-D							

Perched Aquifer Well 2018 COC Trends

Well	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
PTX06-1008	HMX	12/7/1995	6/12/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	TNT	12/7/1995	6/12/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	DNT24	12/7/1995	6/12/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	DNT26	12/7/1995	6/12/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	DNT2A	12/7/1995	6/12/2018	20	4	No	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	DNT4A	12/7/1995	6/12/2018	20	6	No	0.37705447	-80.00	1	Decreasing	4	4	No	0.0658907	-6.00	1	Decreasing	10	6	No	0.18592123	-1.00	0	All Non-Detect
PTX06-1008	TNB135	12/7/1995	6/12/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	DNB13	12/7/1995	6/12/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	DIOXANE14	4/29/2003	6/12/2018	11	1	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	10	1	No	0	0.00	0	<4 Detections in Data
PTX06-1008	PCE	12/7/1995	6/12/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	TCE	12/7/1995	6/12/2018	22	22	No	0.94648163	-145.00	1	Decreasing	4	4	No	0.82158709	4.00	0.833	No Trend	10	10	No	0.92398426	-31.00	1	Decreasing
PTX06-1008	DCE12C	12/7/1995	6/12/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1008	DCA12	12/7/1995	6/12/2018	22	20	No	1.28483639	146.00	1	Increasing	4	4	No	0.3842743	6.00	0.958	Increasing	10	10	No	0.5994263	35.00	1	Increasing
PTX06-1008	TCLME	12/7/1995	6/12/2018	22	22	No	0.6746111	104.00	1	Increasing	4	4	No	0.59320584	4.00	0.833	No Trend	10	10	No	0.41676641	11.00	1	Increasing
PTX06-1008	PERC	4/17/2001	6/12/2018	15	4	No	0.16779793	8.00	0.596	No Trend	4	1	No	0	0.00	0	<4 Detections in Data	10	2	No	0	0.00	0	<4 Detections in Data
PTX06-1008	B	12/7/1995	6/12/2018	18	18	No	0.11247426	65.00	1	Increasing	4	4	No	0.11604189	4.00	0.833	No Trend	10	10	No	0.09336689	18.00	0.934	Probably Increasing
PTX06-1008	CR	12/7/1995	6/12/2018	19	19	No	1.7841136	-7.00	1	Decreasing	4	4	No	0.9595305	4.00	0.833	No Trend	10	10	No	1.74068596	-19.00	1	Decreasing
PTX06-1008	CR-6	3/13/1996	6/12/2018	20	7	No	0.51720435	28.00	0.807	No Trend	4	4	No	1.03674845	-2.00	1	Decreasing	10	5	No	0.688775	-15.00	1	Decreasing
PTX06-1008	MN	12/7/1995	6/12/2018	19	11	No	1.47918069	-26.00	0.8065	No Trend	4	0	Yes	0	0.00	0	All Non-Detect	10	5	No	1.15804638	-9.00	1	Decreasing
PTX06-1008	NI	12/7/1995	6/12/2018	19	17	No	1.40642745	-55.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	10	9	No	1.19257499	-33.00	1	Decreasing
PTX06-1008	MO	12/7/1995	6/12/2018	19	19	No	1.50126782	-35.00	1	Decreasing	4	4	No	0.33968324	0.00	0.375	Stable	10	9	No	1.20993404	-23.00	1	Decreasing
PTX06-1010	RDX	11/27/1995	12/5/2018	38	35	No	1.78585961	-415.00	1	Decreasing	4	4	No	0.36828958	0.00	0.375	Stable	19	19	No	0.41068416	-105.00	1	Decreasing
PTX06-1010	HMX	11/27/1995	12/5/2018	38	30	No	3.56379626	-179.00	1	Decreasing	4	4	No	0.56108282	-2.00	1	Decreasing	19	19	No	0.52619031	51.00	0.96	Increasing
PTX06-1010	TNT	11/27/1995	12/5/2018	36	7	No	1.4825922	-455.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1010	DNT24	11/27/1995	12/5/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1010	DNT26	11/27/1995	12/5/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1010	DNT2A	11/27/1995	12/5/2018	37	29	No	1.68942401	-323.00	1	Decreasing	4	4	No	0.02360576	-4.00	1	Decreasing	19	18	No	0.302903	10.00	0.622	No Trend
PTX06-1010	DNT4A	11/27/1995	12/5/2018	38	17	No	2.0979068	-490.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	19	9	No	0.16705633	-79.00	1	Decreasing
PTX06-1010	TNB135	11/27/1995	12/5/2018	36	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1010	MO	11/27/1995	12/5/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1010	DIOXANE14	7/30/2003	6/6/2018	37	0	No	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1010	PCE	11/27/1995	12/5/2018	37	31	No	0.67772657	-149.00	0	Decreasing	4	4	No	0.02797264	2.00	0.625	No Trend	19	19	No	0.19844747	-26.00	1	Decreasing
PTX06-1010	TCE	11/27/1995	12/5/2018	38	36	No	0.75064301	-275.00	1	Decreasing	4	4	No	0.09989747	-6.00	1	Decreasing	19	19	No	0.20478092	49.00	0.953	Increasing
PTX06-1010	DCE12C	11/27/1995	12/5/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1010	DCA12	11/27/1995	12/5/2018	36	33	No	0.65439033	-263.00	1	Decreasing	4	4	No	0.3105253	-2.00	1	Decreasing	19	19	No	0.41744411	-19.00	1	Decreasing
PTX06-1010	TCLME	11/27/1995	12/5/2018	36	27	No	0.71757703	310.00	1	Increasing	4	4	No	0.44952835	2.00	0.625	No Trend	19	19	No	0.59637404	83.00	0.998	Increasing
PTX06-1010	BR	11/27/1995	12/5/2018	35	35	No	0.69213515	-298.00	1	Decreasing	4	4	No	0.12179225	4.00	0.833	No Trend	19	19	No	0.10520381	-13.00	1	Decreasing
PTX06-1010	CR	11/27/1995	12/5/2018	40	39	No	0.76152021	-297.00	1	Decreasing	4	4	No	0.19637971	-4.00	1	Decreasing	20	20	No	0.39040339	-6.00	1	Decreasing
PTX06-1010	CR-6	11/27/1995	12/5/2018	41	40	No	0.87234216	-167.00	1	Decreasing	4	4	No	0.16223483	-2.00	1	Decreasing	20	20	No	0.42892754	-10.00	1	Decreasing
PTX06-1010	MN	11/27/1995	12/5/2018	37	35	No	2.37948484	-97.00	1	Decreasing	4	4	No	0.45892862	4.00	0.833	No Trend	19	19	No	3.53609493	-49.00	1	Decreasing
PTX06-1010	NI	11/27/1995	12/5/2018	37	36	No	2.17935582	-236.00	1	Decreasing	4	4	No	0.56299661	2.00	0.625	No Trend	19	19	No	3.66162216	-53.00	1	Decreasing
PTX06-1010	MO	11/27/1995	12/5/2018	37	36	No	1.54702133	-163.00	1	Decreasing	4	4	No	0.2270433	4.00	0.833	No Trend	19	19	No	0.73790814	50.00	0.9565	Increasing
PTX06-1010	RD13	11/27/1995	6/6/2018	24	13	No	1.954737	-76.00	1	Decreasing	4	4	No	0.36220326	4.00	0.833	No Trend	10	6	No	1.50745649	14.00	0.673	No Trend
PTX06-1011	HMX	11/27/1995	6/6/2018	24	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	1	No	0	0.00	0	<4 Detections in Data
PTX06-1011	TNT	11/27/1995	6/6/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1011	DNT24	11/27/1995	6/6/2018	24	5	No	1.20894078	-175.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	10	1	No	0	0.00	0	<4 Detections in Data
PTX06-1011	DNT26	11/27/1995	6/6/2018	24	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1011	DNT2A	11/27/1995	6/6/2018	24	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	1	No	0	0.00	0	<4 Detections in Data
PTX06-1011	DNT4A	11/27/1995	6/6/2018	24	5	No	1.06948118	-185.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	10	1	No	0	0.00	0	<4 Detections in Data
PTX06-1011	TNB135	11/27/1995	6/6/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	1	No	0	0.00	0	<4 Detections in Data
PTX06-1011	DNB13	11/27/1995	6/6/2018	22	0																			

Perched Aquifer Well 2018 COC Trends

Well	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
PTX06-1014	DNT2A	3/13/1996	7/18/2018	33	29	No	1.03609716	-201.00	1	Decreasing	4	4	No	0.04700733	2.00	0.625	No Trend	9	9	No	0.11782718	-16.00	1	Decreasing
PTX06-1014	TNT4A	3/13/1996	7/18/2018	33	28	No	0.93619493	-120.00	1	Decreasing	4	4	No	0.16076564	-2.00	1	Decreasing	9	9	No	0.40947629	0.00	0.46	Stable
PTX06-1014	TNB35	3/13/1996	7/18/2018	33	1	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1014	DNE13	3/13/1996	7/18/2018	29	4	No	2.45068034	-180.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1014	PCE	3/13/1996	7/18/2018	32	0	Yes	0	-3.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1014	TCE	3/13/1996	7/18/2018	34	13	No	0.58106277	-253.00	1	Decreasing	4	1	No	0	0.00	0	<-4 Detections in Data	9	0	No	0	0.00	0	<-4 Detections in Data
PTX06-1014	DCE12C	3/13/1996	7/18/2018	29	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1014	DCA12	3/13/1996	7/18/2018	30	14	No	0.81758264	-217.00	1	Decreasing	4	1	No	0	0.00	0	<-4 Detections in Data	9	1	No	0	0.00	0	<-4 Detections in Data
PTX06-1014	TCLME	3/13/1996	7/18/2018	29	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1014	B	3/13/1996	7/18/2018	34	34	No	0.26496815	-257.00	1	Decreasing	4	4	No	0.07463579	6.00	0.958	Increasing	9	9	No	0.09890856	-10.00	1	Decreasing
PTX06-1014	CR	3/13/1996	7/18/2018	34	33	No	1.76127823	-177.00	1	Decreasing	4	3	No	0	0.00	0	<-4 Detections in Data	9	8	No	0.24814397	-12.00	1	Decreasing
PTX06-1014	CR-6	3/13/1996	7/18/2018	34	15	No	0.61065397	-1.00	1	Decreasing	4	3	No	0	0.00	0	<-4 Detections in Data	9	4	No	0.55269885	-24.00	1	Decreasing
PTX06-1014	MN	3/13/1996	7/18/2018	33	21	No	1.0410327	-77.00	1	Decreasing	4	1	No	0	0.00	0	<-4 Detections in Data	9	6	No	1.40377414	11.00	0.8455	No Trend
PTX06-1014	NI	3/13/1996	7/18/2018	32	27	No	3.15321008	-124.00	1	Decreasing	4	4	No	1.37975192	-4.00	1	Decreasing	9	9	No	1.19649537	-1.00	1	Decreasing
PTX06-1014	MO	3/13/1996	7/18/2018	32	32	No	0.70842927	-261.00	1	Decreasing	4	4	No	0.24884991	0.00	0.375	Stable	9	9	No	0.34625507	4.00	0.619	No Trend
PTX06-1015	RDX	11/13/1995	8/21/2018	44	44	No	0.68792186	620.00	1	Increasing	4	4	No	0.09005542	-4.00	1	Decreasing	19	19	No	0.23154099	-48.00	1	Decreasing
PTX06-1015	HMX	11/13/1995	8/21/2018	44	28	No	1.02908513	640.00	1	Increasing	4	4	No	0.10190308	2.00	0.625	No Trend	19	19	No	0.31011904	120.00	1	Increasing
PTX06-1015	TNT	11/13/1995	8/21/2018	44	1	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1015	DNT24	11/13/1995	8/21/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1015	DNT26	11/13/1995	8/21/2018	45	7	No	0.75632054	-454.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	2	No	0	0.00	0	<-4 Detections in Data
PTX06-1015	DNT2A	11/13/1995	8/21/2018	44	18	No	1.27855329	316.00	1	Increasing	4	4	No	0.10614887	-6.00	1	Decreasing	19	14	No	0.97115752	143.00	1	Increasing
PTX06-1015	DNT4A	11/13/1995	8/21/2018	44	41	No	0.74996233	-467.00	1	Decreasing	4	4	No	0.03888375	4.00	0.833	No Trend	19	19	No	0.51448673	-49.00	1	Decreasing
PTX06-1015	TNB13S	11/13/1995	8/21/2018	41	4	No	0.70603228	-345.00	1	Decreasing	4	1	No	0	0.00	0	<-4 Detections in Data	18	3	No	0	0.00	0	<-4 Detections in Data
PTX06-1015	DNB13	11/13/1995	8/21/2018	41	3	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1015	PCE	11/13/1995	8/21/2018	42	16	No	0.88134221	-209.00	1	Decreasing	4	2	No	0	0.00	0	<-4 Detections in Data	19	16	No	0.23594933	-47.00	1	Decreasing
PTX06-1015	TCE	11/13/1995	8/21/2018	46	40	No	0.78099217	-504.00	1	Decreasing	4	2	No	0	0.00	0	<-4 Detections in Data	19	17	No	0.25073309	-69.00	1	Decreasing
PTX06-1015	DCE12C	11/13/1995	8/21/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1015	DCA12	11/13/1995	8/21/2018	42	33	No	1.13269178	-333.00	1	Decreasing	4	4	No	0.33807037	-4.00	1	Decreasing	19	19	No	0.28233009	-8.00	1	Decreasing
PTX06-1015	TCLME	11/13/1995	8/21/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	-0.00	0	All Non-Detect
PTX06-1015	B	11/13/1995	8/21/2018	46	46	No	0.48744098	732.00	1	Increasing	4	4	No	0.06170655	4.00	0.833	No Trend	19	19	No	0.11085588	17.00	0.71	No Trend
PTX06-1015	CR	11/13/1995	8/21/2018	45	45	No	2.55655475	469.00	1	Increasing	4	4	No	0.37287659	4.00	0.833	No Trend	19	19	No	0.58413445	128.00	0	Increasing
PTX06-1015	CR-6	11/13/1995	3/7/2018	44	23	No	0.73352348	358.00	1	Increasing	4	4	No	0.11112119	0.00	0.375	Stable	17	12	No	0.17549393	68.00	0.988	Increasing
PTX06-1015	MN	11/13/1995	8/21/2018	45	32	No	1.46400313	-298.00	1	Decreasing	4	4	No	0.29688434	4.00	0.833	No Trend	19	15	No	0.4466897	33.00	0.867	No Trend
PTX06-1015	NI	11/13/1995	8/21/2018	44	36	No	1.18734388	-336.00	1	Decreasing	4	4	No	0.65619609	4.00	0.833	No Trend	19	19	No	0.58349422	17.00	0.71	No Trend
PTX06-1015	MO	11/13/1995	8/21/2018	44	42	No	0.87770379	-17.00	1	Decreasing	4	4	No	0.25318704	6.00	0.958	Increasing	19	19	No	0.23756129	96.00	1	Increasing
PTX06-1023	RDX	12/10/1995	8/22/2018	41	28	No	1.33750125	-531.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	9	No	1.44859413	-83.00	1	Decreasing
PTX06-1023	HMX	12/10/1995	8/22/2018	41	26	No	0.92537676	-584.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	8	No	1.66701155	-63.00	1	Decreasing
PTX06-1023	TNT	12/10/1995	8/22/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	DNT24	12/10/1995	8/22/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	DNT26	12/10/1995	8/22/2018	41	3	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	DNT2A	12/10/1995	8/22/2018	41	2	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	DNT4A	12/10/1995	8/22/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	TNB13S	12/10/1995	8/22/2018	41	1	No	0.67935074	-285.00	1	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	DNB13	12/10/1995	8/22/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	PCE	12/10/1995	8/22/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	TCE	12/10/1995	8/22/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	DCE12C	12/10/1995	8/22/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	TCLME	12/10/1995	8/22/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1023	B	10/18/1995	8/22/2018	43	43	No	0.62109268	-631.00	1	Decreasing	4	4	No	0.03338153	0.00	0.375	Stable	19	19	No	0.61854417	-87.00	1	Decreasing
PTX06-1023	CR	10/18/1995	8/22/2018	42	29	No	2.37440605	-197.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	7	No	1.10030758	-3.00	1	Decreasing
PTX06-1023	CR-6	3/5/1996	8/22/2018	43	13	No	0.4979628	-154.																

Perched Aquifer Well 2018 COC Trends

Well	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
PTX06-1034	B	5/6/1998	8/27/2018	43	43	No	0.67480436	646.00	1	Increasing	4	4	No	0.01148702	4.00	0.833	No Trend	19	19	No	0.45222479	144.00	1	Increasing
PTX06-1034	CR	5/6/1998	8/27/2018	43	41	No	0.47680993	328.00	1	Increasing	4	3	No	0.0	0.00	0	<4 Detections in Data	19	17	No	0.45157948	14.00	0.6735	No Trend
PTX06-1034	CR-6	2/26/1998	8/27/2018	42	13	No	0.38316226	28.00	1	Increasing	4	4	No	0.06108421	-2.00	1	Decreasing	18	8	No	0.42019456	-93.00	1	Decreasing
PTX06-1034	MN	5/6/1998	2/28/2018	28	19	No	1.23199834	-94.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	5	1	No	0	0.00	0	<4 Detections in Data
PTX06-1035	RDX	8/26/1998	7/31/2018	38	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	HMX	8/26/1998	7/31/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	TNT	8/26/1998	7/31/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	DNT24	8/26/1998	7/31/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	DNT26	8/26/1998	7/31/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	DNT2A	8/26/1998	7/31/2018	39	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	DNT4A	8/26/1998	7/31/2018	41	33	No	3.51179236	-213.00	1	Decreasing	4	4	No	0.10847471	-3.00	1	Decreasing	19	16	No	0.89723242	-89.00	1	Decreasing
PTX06-1035	TNB135	8/26/1998	7/31/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	DNB13	8/26/1998	7/31/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	DIOXANE14	8/11/2005	7/31/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1035	PCE	8/26/1998	7/31/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	TCE	8/26/1998	7/31/2018	40	14	No	0.80544463	121.00	0.9185	Probably Increasing	4	4	No	0.23840623	4.00	0.833	No Trend	19	14	No	0.72414625	121.00	1	Increasing
PTX06-1035	DCE12C	1/4/2002	7/31/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	DCA12	8/26/1998	7/31/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	TCLME	8/26/1998	7/31/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1035	PERC	4/19/2001	7/31/2018	36	21	No	1.36073245	489.00	1	Increasing	4	4	No	0.35642484	6.00	0.958	Increasing	19	19	No	0.88561739	165.00	1	Increasing
PTX06-1035	B	8/26/1998	7/31/2018	34	34	No	0.18126441	356.00	1	Increasing	4	4	No	0.0913727	-2.00	1	Decreasing	19	19	No	0.09552417	60.00	0.981	Increasing
PTX06-1035	MN	8/26/1998	7/31/2018	24	15	No	1.19588414	-39.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	7	5	No	0.33580424	8.00	0.845	No Trend
PTX06-1035	RDX	4/30/1998	8/13/2018	42	42	No	0.69758256	-51.00	1	Decreasing	4	4	No	0.21018256	-4.00	1	Decreasing	19	19	No	0.96287259	-145.00	1	Decreasing
PTX06-1035	HMX	4/30/1998	8/13/2018	42	41	No	0.45666332	-497.00	1	Decreasing	4	4	No	0.20095309	4.00	0.833	No Trend	19	19	No	0.39269959	-107.00	1	Decreasing
PTX06-1035	TNT	4/30/1998	8/13/2018	42	39	No	0.48861181	118.00	1	Increasing	4	4	No	0.16828068	-4.00	1	Decreasing	19	18	No	0.37589416	-36.00	1	Decreasing
PTX06-1038	DNT24	4/30/1998	8/13/2018	42	21	No	1.56784442	-569.00	1	Decreasing	4	0	No	0	0.00	0	All Non-Detect	19	3	No	0	0.00	0	<4 Detections in Data
PTX06-1038	DNT26	4/30/1998	8/13/2018	42	16	No	3.19598386	-60.00	1	Decreasing	4	0	No	0	0.00	0	All Non-Detect	19	13	No	0.70791134	-47.00	1	Decreasing
PTX06-1038	DNT2A	4/30/1998	8/13/2018	42	40	No	0.70351013	-478.00	1	Decreasing	4	4	No	0.08210192	-4.00	1	Decreasing	19	19	No	0.59273348	-139.00	1	Decreasing
PTX06-1038	DNT4A	4/30/1998	8/13/2018	42	39	No	0.56470571	-173.00	1	Decreasing	4	4	No	0.08222993	-3.00	1	Decreasing	19	19	No	0.38165826	-98.00	1	Decreasing
PTX06-1038	DNB135	4/30/1998	8/13/2018	40	29	No	2.7303925	171.00	0.9785	Increasing	4	4	No	0.08703163	2.00	0.625	No Trend	18	17	Yes	2.51392181	-23.00	1	Decreasing
PTX06-1038	DNB13	4/30/1998	8/13/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1038	PCE	4/30/1998	8/13/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1038	TCE	4/30/1998	8/13/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1038	DCE12C	5/11/1999	8/13/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1038	DCA12	4/30/1998	8/13/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1038	TCLME	4/30/1998	8/13/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1038	B	4/30/1998	8/13/2018	41	41	No	0.30425366	-609.00	1	Decreasing	4	4	No	0.03357954	0.00	0.375	Stable	19	19	No	0.26498915	-123.00	1	Decreasing
PTX06-1038	CR	4/30/1998	8/13/2018	40	32	No	0.49588555	-86.00	1	Decreasing	4	4	No	0	0.00	0	All Non-Detect	19	12	No	0.33636215	-14.00	1	Decreasing
PTX06-1038	CR-6	8/31/1998	8/13/2018	38	21	No	0.47462141	-278.00	1	Decreasing	4	4	No	0.12020357	-4.00	1	Decreasing	18	9	No	0.54126587	-96.00	1	Decreasing
PTX06-1038	MN	4/30/1998	2/12/2018	26	24	No	0.8473788	0.00	0.661	No Trend	4	3	No	0	0.00	0	<4 Detections in Data	5	4	No	0.59953893	2.00	0.592	No Trend
PTX06-1039A	RDX	6/30/1998	8/13/2018	38	38	No	0.31424429	-103.00	1	Decreasing	4	4	No	0.41388609	0.00	0.375	Stable	19	19	No	0.23775969	-13.00	1	Decreasing
PTX06-1039A	HMX	6/30/1998	8/13/2018	38	37	No	0.8711892	110.00	0.914	Probably Increasing	4	4	No	0.42069039	0.00	0.375	Stable	19	19	No	0.36639825	56.00	0.973	Increasing
PTX06-1039A	TNT	6/30/1998	8/13/2018	38	28	No	0.72936568	230.00	0.998	Increasing	4	4	No	0.05889694	-4.00	1	Decreasing	19	19	No	0.28145545	-113.00	1	Decreasing
PTX06-1039A	DNT24	6/30/1998	8/13/2018	38	17	No	2.21527193	-407.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0.89054865	-56.00	1	Decreasing
PTX06-1039A	DNT26	6/30/1998	8/13/2018	38	17	No	4.30056967	-103.00	1	Decreasing	4	0	No	0	0.00	0	All Non-Detect	19	14	No	0.55761897	-36.00	1	Decreasing
PTX06-1039A	DNT2A	6/30/1998	8/13/2018	38	33	No	0.76870879	10.00	0.545	No Trend	4	4	No	0.14592269	-6.00	1	Decreasing	19	19	No	0.45845551	-126.00	1	Decreasing
PTX06-1039A	DNT4A	6/30/1998	8/13/2018	38	35	No	0.93867896	91.00	0.87	No Trend	4	4	No	0.32636099	6.00	0.958	Increasing	19	19	No	0.96360879	-9.00	1	Decreasing
PTX06-1039A	TNB135	6/30/1998	8/13/2018	37	26	No	3.10220183	200.00	0.996	Increasing	4	4	No	0.11552605	0.00	0.375	Stable	19	19	No	0.28194876	26.00	0.8065	No Trend
PTX06-1039A	DNB13	6/30/1998	8/13/2018	35	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1039A	PCE	8/31/1998	8/13/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1039A	TCE	8/31/1998	8/13/2018	36	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1039A	DCE12C	5/11/1999	8/13/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1039A	DCA12	8/31/1998	8/13/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1039A	TCLME	8/31/1998	8/13/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1039A	B	8/31/1998	8/13/2018	36	36	No	0.08914096	-112.00	1	Decreasing	4	4	No	0.08957499	-4.00	1	Decreasing	19	19	No	0.07019271	-16.00	1	Decreasing
PTX06-1039A	CR	8/31/1998	8/13/2018	36	24	No	0.51265604	84.00	0.87	No Trend	4	4	No	0	0.00	0	All Non-Detect	19	7	No	0.37972505	21.00	0.755	No Trend
PTX06-1039A	CR-6	8/31/1998	8/13/2018	37	14	No	0.59771766	-212.00	1	Decreasing	4	4	No	0.13658182	4.00	0.833	No Trend	19	7					

Perched Aquifer Well 2018 COC Trends

Well	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
PTX06-1041	TCLME	10/7/1999	8/23/2018	34	0	Yes	0	0.00	0.994	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1041	CR	10/7/1999	8/23/2018	36	36	No	0.15768912	186.00	0.994	Increasing	4	4	No	0.06680795	-4.00	1	Decreasing	19	19	No	0.07487027	-42.00	1	Decreasing
PTX06-1041	CR-6	10/7/1999	8/23/2018	36	28	No	0.45298168	100.00	0.911	Probably Increasing	4	2	No	0	0.00	0	<4 Detections in Data	19	11	No	0.39820563	-9.00	1	Decreasing
PTX06-1041	CR-6	10/7/1999	8/23/2018	36	16	No	0.45021972	-181.00	1	Decreasing	4	4	No	0.12489851	0.00	0.375	Stable	19	10	No	0.43736916	-119.00	1	Decreasing
PTX06-1041	MN	10/7/1999	8/23/2018	32	20	No	1.82142754	-330.00	1	Decreasing	4	4	No	0.68122652	-2.00	0	Decreasing	5	5	No	0.59345724	-2.00	1	Decreasing
PTX06-1042	RDX	10/7/1999	8/23/2018	40	40	No	0.5215584	-442.00	1	Decreasing	4	4	No	0.17737601	0.00	0.375	Stable	19	19	No	0.29955404	-61.00	1	Decreasing
PTX06-1042	HMX	10/7/1999	8/23/2018	40	38	No	1.05892489	-204.00	1	Decreasing	4	4	No	0.1699295	0.00	0.375	Stable	19	19	No	0.4573973	-105.00	1	Decreasing
PTX06-1042	TNT	10/7/1999	8/23/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1042	DNT24	10/7/1999	8/23/2018	39	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1042	DNT26	10/7/1999	8/23/2018	38	11	No	2.57284121	-278.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	10	No	0.212959	31.00	0.851	No Trend
PTX06-1042	DNT2A	10/7/1999	8/23/2018	39	32	No	2.27121678	-164.00	1	Decreasing	4	4	No	0.16584475	-2.00	1	Decreasing	19	19	No	0.59486598	-137.00	1	Decreasing
PTX06-1042	DNT4A	10/7/1999	8/23/2018	40	35	No	0.83459996	245.00	0.998	Increasing	4	4	No	0.20499846	-4.00	1	Decreasing	19	19	No	0.54790057	-19.00	1	Decreasing
PTX06-1042	TNB135	10/7/1999	8/23/2018	38	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	18	1	No	0	0.00	0	<4 Detections in Data
PTX06-1042	DNB13	10/7/1999	8/23/2018	34	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1042	TCE	10/7/1999	8/23/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1042	TCE	10/7/1999	8/23/2018	40	12	No	0.58742765	-54.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1042	DCE12C	10/23/2001	8/23/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1042	DCA12	10/7/1999	8/23/2018	36	13	No	1.07783708	-280.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1042	TCLME	10/7/1999	8/23/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1042	CR	10/7/1999	8/23/2018	40	40	No	0.2421062	-111.00	1	Decreasing	4	4	No	0.02354005	-2.00	1	Decreasing	19	19	No	0.19842598	-100.00	1	Decreasing
PTX06-1042	CR-6	10/7/1999	8/23/2018	39	28	No	0.50805364	245.00	0.999	Increasing	4	1	No	0	0.00	0	<4 Detections in Data	19	9	No	0.22092707	-2.00	1	Decreasing
PTX06-1042	CR-6	10/7/1999	8/23/2018	39	12	No	0.66638495	-128.00	1	Decreasing	4	4	No	0.22461971	0.00	0.375	Stable	19	6	No	0.80688731	-106.00	1	Decreasing
PTX06-1042	MN	10/7/1999	2/28/2018	25	25	No	1.41796609	-106.00	1	Decreasing	4	4	No	1.50225368	-6.00	1	Decreasing	5	5	No	1.44371183	-8.00	1	Decreasing
PTX06-1046	RDX	1/5/2000	11/26/2018	40	40	No	0.45298273	574.00	1	Increasing	4	4	No	0.16329932	-4.00	1	Decreasing	19	19	No	0.35168694	33.00	0.867	No Trend
PTX06-1046	HMX	1/5/2000	11/26/2018	39	34	No	0.7072614	568.00	1	Increasing	4	4	No	0.16847164	-4.00	1	Decreasing	19	19	No	0.3426369	71.00	0.994	Increasing
PTX06-1046	TNT	1/5/2000	11/26/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1046	DNT24	1/5/2000	11/26/2018	40	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1046	DNT26	1/5/2000	11/26/2018	39	8	No	3.6723712	-340.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	2	No	0	0.00	0	<4 Detections in Data
PTX06-1046	DNT2A	1/5/2000	11/26/2018	39	20	No	2.76897025	373.00	1	Increasing	4	4	No	0.23751332	-6.00	1	Decreasing	19	19	No	0.52453951	93.00	1	Increasing
PTX06-1046	DNT4A	1/5/2000	11/26/2018	40	34	No	0.63999309	-69.00	1	Decreasing	4	4	No	0.13662971	-4.00	1	Decreasing	18	19	No	0.4309848	-39.00	1	Decreasing
PTX06-1046	TNB135	1/5/2000	11/26/2018	38	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1046	DNB13	1/5/2000	11/26/2018	36	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1046	PCE	9/11/2000	11/26/2018	35	7	No	0.92559446	-186.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	6	No	0.13080862	-29.00	1	Decreasing
PTX06-1046	TCE	9/11/2000	11/26/2018	39	36	No	0.37030548	-254.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	19	16	No	0.34856833	21.00	0.755	No Trend
PTX06-1046	DCE12C	10/24/2001	11/26/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1046	DCA12	9/11/2000	11/26/2018	35	33	No	0.61114129	-364.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	19	18	No	0.46472143	-145.00	1	Decreasing
PTX06-1046	TCLME	9/11/2000	11/26/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1046	B	1/5/2000	11/26/2018	40	40	No	0.37258333	618.00	1	Increasing	4	4	No	0.17272009	-6.00	1	Increasing	19	19	No	0.18211716	57.00	0.975	Increasing
PTX06-1046	CR	1/5/2000	11/26/2018	40	30	No	0.84694384	382.00	1	Increasing	4	3	No	0	0.00	0	<4 Detections in Data	19	12	No	0.66012859	46.00	0.942	Probably Increasing
PTX06-1046	CR-6	1/5/2000	11/26/2018	39	18	No	0.52002879	912.00	0.9745	Increasing	4	4	No	0.56249866	-6.00	1	Decreasing	19	12	No	0.48316876	-26.00	1	Decreasing
PTX06-1046	MN	1/5/2000	5/16/2018	25	20	No	2.47373554	-85.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	5	3	No	0	0.00	0	<4 Detections in Data
PTX06-1047A	RDX	9/11/2000	11/19/2018	34	26	No	1.1382897	138.00	0.979	Increasing	4	4	No	0.45854483	4.00	0.833	No Trend	18	18	No	0.93818668	-76.00	1	Decreasing
PTX06-1047A	HMX	9/11/2000	11/19/2018	34	17	No	1.00162704	-130.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	18	12	No	0.97810466	-103.00	1	Decreasing
PTX06-1047A	TNT	9/11/2000	11/19/2018	34	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	18	1	No	0	0.00	0	<4 Detections in Data
PTX06-1047A	DNT24	9/11/2000	11/19/2018	33	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	17	1	No	0	0.00	0	<4 Detections in Data
PTX06-1047A	DNT26	9/11/2000	11/19/2018	33	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	17	2	No	0	0.00	0	<4 Detections in Data
PTX06-1047A	DNT2A	9/11/2000	11/19/2018	33	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	17	1	No	0	0.00	0	<4 Detections in Data
PTX06-1047A	DNT4A	9/11/2000	11/19/2018	33	25	No	1.04645002	61.00	0.822	No Trend	4	4	No	0.3005062	4.00	0.833	No Trend	17	17	No	0.87480203	-36.00	1	Decreasing
PTX06-1047A	TNB135	9/11/2000	11/19/2018	33	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	17	0	Yes	0	0.00	0	All Non-Detect
PTX06-1047A	DNB13	9/11/2000	11/19/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	17	0	Yes	0	0.00	0	All Non-Detect
PTX06-1047A	PCE	9/11/2000	11/19/2																					

Perched Aquifer Well 2018 COC Trends

Well	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
PTX06-1050	B	9/5/2000	10/23/2018	31	31	No	0.31427055	-276.00	1	Decreasing	4	4	No	0.13725299	6.00	0.958	Increasing	19	19	No	0.24803533	-77.00	1	Decreasing
PTX06-1050	MN	9/5/2000	5/9/2018	17	17	No	0.84729161	-58.00	1	Decreasing	4	4	No	1.01704416	-4.00	1	Decreasing	5	5	No	0.82165573	-6.00	1	Decreasing
PTX06-1052	RDX	9/12/2000	8/21/2018	37	6	No	0.56127314	-324.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	19	6	No	0.22947975	-98.00	1	Decreasing
PTX06-1052	HMX	9/12/2000	8/21/2018	38	2	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	19	2	No	0	0.00	0	<4 Detections in Data
PTX06-1052	TNT	9/12/2000	8/21/2018	38	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	DNT24	9/12/2000	8/21/2018	38	1	No	0	0.00	0	<4 Detections in Data	4	0	No	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	DNT26	9/12/2000	8/21/2018	38	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	DNT2A	9/12/2000	8/21/2018	38	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	DNT4A	9/12/2000	8/21/2018	38	10	No	0.38765516	-273.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	7	No	0.36748022	-77.00	1	Decreasing
PTX06-1052	TNB135	9/12/2000	8/21/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	17	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	DNB13	9/12/2000	8/21/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	PCE	9/12/2000	8/21/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	TCE	9/12/2000	8/21/2018	37	13	No	0.44226302	-159.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	6	No	0.11415187	-13.00	1	Decreasing
PTX06-1052	DCE12C	5/9/2001	8/21/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	DCA12	9/12/2000	8/21/2018	33	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1052	TCLME	9/12/2000	8/21/2018	32	18	No	0.59617841	86.00	0.915	Probably Increasing	4	4	No	0.3656189	-6.00	1	Decreasing	19	18	No	0.34849703	-1.00	1	Decreasing
PTX06-1052	B	9/12/2000	8/21/2018	38	38	No	0.10652287	180.00	0.9885	Increasing	4	4	No	0.06361548	0.00	0.375	Stable	19	19	No	0.12101858	81.00	0.998	Increasing
PTX06-1052	CR	9/12/2000	8/21/2018	38	38	No	0.06529615	-337.00	1	Decreasing	4	4	No	0.22203119	2.00	0.625	No Trend	19	19	No	0.7953462	-127.00	1	Decreasing
PTX06-1052	CR-6	9/12/2000	8/21/2018	37	0	No	0.61007298	-326.00	1	Increasing	4	4	No	0.28059249	-2.00	1	Decreasing	19	19	No	0.78684414	-121.00	1	Decreasing
PTX06-1052	MN	9/12/2000	3/7/2018	23	13	No	1.26772051	40.00	0.8465	No Trend	4	2	No	0	0.00	0	<4 Detections in Data	5	3	No	0	0.00	0	<4 Detections in Data
PTX06-1052	RDX	9/12/2000	11/27/2018	39	12	No	2.81351971	-252.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	19	10	No	0.26123752	-12.00	1	Decreasing
PTX06-1053	HMX	9/12/2000	11/27/2018	40	21	No	1.90468109	252.00	0.998	Increasing	4	4	No	0.29211896	-4.00	1	Decreasing	19	17	No	0.47927288	104.00	1	Increasing
PTX06-1053	TNT	9/12/2000	11/27/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	DNT24	9/12/2000	11/27/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	DNT26	9/12/2000	11/27/2018	40	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	DNT2A	9/12/2000	11/27/2018	40	12	No	1.03115248	118.00	0.913	Probably Increasing	4	4	No	0.09285197	5.00	0.8955	No Trend	19	12	No	0.91586508	114.00	1	Increasing
PTX06-1053	DNT4A	9/12/2000	11/27/2018	40	35	No	1.50584911	-87.00	1	Decreasing	4	4	No	0.31389546	-6.00	1	Decreasing	19	17	No	2.06899612	-34.00	1	Decreasing
PTX06-1053	TNB135	9/12/2000	11/27/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	DNB13	9/12/2000	11/27/2018	36	1	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	DIOXANE14	7/28/2005	11/27/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1053	PCE	9/12/2000	11/27/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	TCE	9/12/2000	11/27/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	DCE12C	5/9/2001	11/27/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	DCA12	9/12/2000	11/27/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	TCLME	9/12/2000	11/27/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	PERC	9/12/2000	11/27/2018	38	4	No	0.06629472	122.00	0.9355	Probably Increasing	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1053	B	9/12/2000	11/27/2018	39	39	No	0.1080107	422.00	1	Increasing	4	4	No	0.0782903	3.00	0.729	No Trend	19	19	No	0.08329783	52.00	0.963	Increasing
PTX06-1053	CR	9/12/2000	11/27/2018	40	16	No	0.60655068	397.00	1	Increasing	4	1	No	0	0.00	0	<4 Detections in Data	20	3	No	0	0.00	0	<4 Detections in Data
PTX06-1053	CR-6	9/12/2000	11/27/2018	40	6	No	0.54037819	6.00	0.523	No Trend	4	3	No	0	0.00	0	<4 Detections in Data	20	5	No	0.47435234	-79.00	1	Decreasing
PTX06-1053	MN	9/12/2000	5/21/2018	24	16	No	0.53711779	21.00	0.6885	No Trend	4	2	No	0	0.00	0	<4 Detections in Data	5	2	No	0	0.00	0	<4 Detections in Data
PTX06-1077A	RDX	2/20/2002	8/7/2018	15	9	No	0.54256918	-14.00	1	Decreasing	4	4	No	0.46327583	-6.00	1	Decreasing	10	9	No	0.39651054	-23.00	1	Decreasing
PTX06-1077A	HMX	2/20/2002	8/7/2018	15	1	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	10	1	No	0	0.00	0	<4 Detections in Data
PTX06-1077A	TNT	2/20/2002	8/7/2018	15	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	DNT24	2/20/2002	8/7/2018	15	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	DNT26	2/20/2002	8/7/2018	15	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	DNT2A	2/20/2002	8/7/2018	15	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	DNT4A	2/20/2002	8/7/2018	15	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	TNB135	2/20/2002	8/7/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	DNB13	11/4/2002	8/7/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	DIOXANE14	11/4/2002	12/10/2018	14	2	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	10	2	No	0	0.00	0	<4 Detections in Data
PTX06-1077A	PCE	2/20/2002	8/7/2018	17	6	No	0.88024846	-25.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	10	3	No	0	0.00	0	<4 Detections in Data
PTX06-1077A	TCE	2/20/2002	8/7/2018	19	17	No	0.60504818	-60.00	1	Decreasing	4	4	No	0.1223069	4.00	0.833	No Trend	10	9	No	0.64522868	-19.00	1	Decreasing
PTX06-1077A	DCE12C	2/20/2002	8/7/2018	19	17	No	0.77680824	-7.00	1	Decreasing	4	4	No	0.35808437	-4.00	1	Decreasing	10	9	No	1.07744446	-33.00	1	Decreasing
PTX06-1077A	DCA12	2/20/2002	8/7/2018	17	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	TCLME	2/20/2002	8/7/2018	16	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1077A	PERC	2/20/2002	12/10/2018	17	11	No	0.21279117	-10.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	10	6	No	0.11678952	15.00	0.892	No Trend
PTX06-1081	RDX	7/18/2002	7/18/2018	25	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1081	HMX	7/18/2002	7/18/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1081	TNT	7/18/2002	7/18/2018	25	1	No	0	0.00	0															

Well	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
PTX06-1086	HMX	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	TNT	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	DNT24	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	DNT26	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	DNT4A	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	TNB135	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	DNB13	5/27/2003	5/15/2018	16	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	PCE	5/27/2003	5/15/2018	17	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	TCE	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	DCE12C	5/27/2003	5/15/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	DCA12	5/27/2003	5/15/2018	16	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	TCLME	5/27/2003	5/15/2018	16	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1086	B	5/27/2003	5/15/2018	18	18	No	0.11807749	-43.00	1	Decreasing	4	4	No	0.06400272	-2.00	1	Decreasing	10	10	No	0.13121237	-23.00	1	Decreasing
PTX06-1086	MN	5/27/2003	5/15/2018	13	12	No	1.37822849	-40.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Dat	5	4	No	0.27381017	0.00	0.408	Stable
PTX06-1088	RDX	6/11/2003	12/5/2018	30	30	No	0.93581185	-35.00	1	Decreasing	4	4	No	0.45615554	2.00	0.625	No Trend	19	19	No	1.19127802	-125.00	1	Decreasing
PTX06-1088	HMX	6/11/2003	12/5/2018	30	30	No	1.29579399	-335.00	1	Decreasing	4	4	No	0.27204172	4.00	0.833	No Trend	19	19	No	1.20300587	-117.00	1	Decreasing
PTX06-1088	TNT	6/11/2003	12/5/2018	30	30	No	1.43698725	-403.00	1	Decreasing	4	4	No	0.22086072	-4.00	1	Decreasing	19	19	No	0.5885211	-145.00	1	Decreasing
PTX06-1088	DNT24	6/11/2003	12/5/2018	30	23	No	1.01334204	-55.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Dat	19	18	No	0.97130137	-125.00	1	Decreasing
PTX06-1088	DNT26	6/11/2003	12/5/2018	30	6	No	1.54615668	-113.00	1	Decreasing	4	4	No	0	0.00	0	All Non-Detect	19	6	No	0.75399533	-75.00	1	Decreasing
PTX06-1088	DNT2A	6/11/2003	12/5/2018	29	27	No	0.89867482	-210.00	1	Decreasing	4	4	No	0.08901362	2.00	0.625	No Trend	19	19	No	1.16345437	-127.00	1	Decreasing
PTX06-1088	DNT4A	6/11/2003	12/5/2018	29	27	No	0.92116392	-192.00	1	Decreasing	4	4	No	0.48409975	4.00	0.833	No Trend	19	19	No	0.79597279	-111.00	1	Decreasing
PTX06-1088	TNB135	6/11/2003	12/5/2018	30	30	No	0.69102155	-357.00	1	Decreasing	4	4	No	0.17909863	0.00	0.375	Stable	19	19	No	0.77594942	-151.00	1	Decreasing
PTX06-1088	DNB13	6/11/2003	12/5/2018	28	2	No	0	0.00	0	<4 Detections in Dat	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1088	DIOXANE14	7/30/2003	6/6/2018	9	3	No	0	0.00	0	<4 Detections in Dat	4	3	No	0	0.00	0	<4 Detections in Dat	4	3	No	0	0.00	0	<4 Detections in Dat
PTX06-1088	PCE	6/11/2003	12/5/2018	29	29	No	0.54101575	232.00	1	Increasing	4	4	No	0.12755651	-2.00	1	Decreasing	19	19	No	0.4011938	77.00	0.997	Increasing
PTX06-1088	TCE	6/11/2003	12/5/2018	29	29	No	1.28720531	-297.00	1	Decreasing	4	4	No	0.35678032	-4.00	1	Decreasing	19	19	No	0.30986058	-75.00	1	Decreasing
PTX06-1088	DCE12C	6/11/2003	12/5/2018	29	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1088	DCA12	6/11/2003	12/5/2018	28	21	No	0.46314493	105.00	0.98	Increasing	4	4	No	0.2105433	4.00	0.833	No Trend	19	15	No	0.45248219	30.00	0.8425	No Trend
PTX06-1088	TCLME	6/11/2003	12/5/2018	28	28	No	1.24039859	-411.00	1	Decreasing	4	4	No	0.438304	5.00	0.958	Increasing	19	19	No	0.45917419	2.00	0.5135	No Trend
PTX06-1088	CR	6/11/2003	12/5/2018	29	27	No	0.33523808	-219.00	1	Decreasing	4	4	No	0.0783655	2.00	0.625	No Trend	19	19	No	0.22060381	-51.00	1	Decreasing
PTX06-1088	CR-6	6/11/2003	12/5/2018	29	29	No	1.35659279	-236.00	1	Decreasing	4	4	No	0.38002117	2.00	0.625	No Trend	19	19	No	1.00661046	-57.00	1	Decreasing
PTX06-1088	CR-6	6/11/2003	12/5/2018	27	26	No	1.34467666	-227.00	1	Decreasing	4	4	No	0.38651467	4.00	0.833	No Trend	18	17	No	0.99157346	-67.00	1	Decreasing
PTX06-1088	MN	6/11/2003	12/5/2018	16	13	No	0.83309553	-27.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Dat	6	5	No	0.69294591	-1.00	1	Decreasing
PTX06-1088	MI	6/11/2003	12/5/2018	13	8	No	0.48934661	-28.00	1	Decreasing	4	4	No	0.3436099	-2.00	1	Decreasing	3	3	No	0	0.00	0	<4 Samples in Dat
PTX06-1088	NO	6/11/2003	12/5/2018	11	11	No	0.19962945	-11.00	1	Decreasing	4	4	No	0.22258992	0.00	0.375	Stable	1	1	No	0	0.00	0	<4 Samples in Dat
PTX06-1095A	RDX	5/9/2005	8/14/2018	34	26	No	1.61355894	328.00	1	Increasing	4	4	No	1.23976735	-6.00	1	Decreasing	19	19	No	1.02321661	31.00	0.851	No Trend
PTX06-1095A	HMX	5/9/2005	8/14/2018	34	25	No	1.52253391	36.00	1	Increasing	4	4	No	0.94328865	-6.00	1	Decreasing	19	19	No	0.94198849	63.00	0.986	Increasing
PTX06-1095A	TNT	5/9/2005	8/14/2018	34	20	No	0.61770593	268.00	1	Increasing	4	4	No	0.12504582	0.00	0.8955	No Trend	19	19	No	0.31415046	70.00	0.993	Increasing
PTX06-1095A	DNT24	5/9/2005	8/14/2018	34	1	No	0	0.00	0	<4 Detections in Dat	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1095A	DNT26	5/9/2005	8/14/2018	34	5	No	0.52602121	-127.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	5	No	0.64263653	-30.00	1	Decreasing
PTX06-1095A	DNT2A	5/9/2005	8/14/2018	34	19	No	1.42595464	254.00	1	Increasing	4	4	No	0.59634113	-6.00	1	Decreasing	19	18	No	0.99477573	109.00	1	Increasing
PTX06-1095A	DNT4A	5/9/2005	8/14/2018	34	27	No	1.03115422	213.00	0.999	Increasing	4	4	No	0.54837408	2.00	1	Decreasing	19	19	No	0.65099533	-21.00	1	Decreasing
PTX06-1095A	TNB135	5/9/2005	8/14/2018	34	26	No	1.28263234	346.00	1	Increasing	4	4	No	0.19507164	-2.00	1	Decreasing	19	19	No	0.79205641	97.00	1	Increasing
PTX06-1095A	DNB13	5/9/2005	8/14/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1095A	DIOXANE14	9/13/2005	2/19/2018	8	3	No	0	0.00	0	<4 Detections in Dat	4	3	No	0	0.00	0	<4 Detections in Dat	3	3	No	0	0.00	0	<4 Samples in Dat
PTX06-1095A	PCE	5/9/2005	8/14/2018	28	13	No	1.0392668	189.00	1	Increasing	4	4	No	0.47575614	-4.00	1	Decreasing	19	13	No	0.84850255	90.00	0.999	Increasing
PTX06-1095A	TCE	5/9/2005	8/14/2018	33	22	No	1.39468367	309.00	1	Increasing	4	4	No	0.3040055	-4.00	1	Decreasing	19	19	No	0.9589475	59.00	0.979	Increasing
PTX06-1095A	DCE12C	5/9/2005	8/14/2018	33	1	No	0	0.00	0	<4 Detections in Dat	4	1	No	0	0.00	0	<4 Detections in Dat	19	1	No	0	0.00	0	<4 Detections in Dat
PTX06-1095A	DCA12	5/9/2005	8/14/2018	26	15	No	0.24768419	-18.00	1	Decreasing	4	4	No	0.39265557	4.00	0.833	No Trend	19	15	No	0.28576043	-25.00	1	Decreasing
PTX06-1095A	TCLME	5/9/2005	8/14/2018	26	13	No	0.99613755	15.00	1	Increasing	4	4	No	0.61523454	4.00	0.833	No Trend	19	13	No	1.01193346	108.00	1	Increasing
PTX06-1095A	B	5/9/2005	8/14/2018	32	32	No	0.31674445	-129.00	1	Decreasing	4	4	No	0.29996064	-4.00	1	Decreasing	19	19	No	0.37138458	-52.00	1	Decreasing
PTX06-1095A	CR	5/9/2005	8/14/2018	32	19	No	1.74951509	271.00	1	Increasing	4	4	No	0.42913296	-2.00	1	Decreasing	19	15	No	1.29475629	36.00	0.888	No Trend
PTX06-1095A	CR-6	9/13/2005	8/14/2018	31	31	No	2.13215599	215.00	1	Increasing	4	4	No	0.35323849	4.00	0.833	No Trend	19	13	No	1.74430504	30.00	0.8425	No Trend
PTX06-1095A	MN	5/9/2005	8/14/2018	31	31	No	0.87093721	-39.00	1	Decreasing	4	4	No	1.04674717	-2.00	1	Decreasing	19	19	No	0.91304695	-85.00	1	Decreasing
PTX06-1095A	NI	5/9/2005	8/14/2018	31	29	No	1.92440844	283.00	1	Increasing	4	4	No	0.74172868	-6.00	1	Decreasing	19	19	No	1.45247917	43.00	0.928	Probably Increasing
PTX06-1095A	MO	5/9/2005	8/14/2018	30	30	No	1.28591646	-9.00	1	Decreasing	4	4	No	0.05935947	4.00	0.833	No Trend	19	19	No	0.18963265	101.00	1	Increasing
PTX06																								

Perched Aquifer Well 2018 COC Trends

Well	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
PTX06-1127	DCE12C	2/7/2008	11/1/2018	26	26	No	0.55166187	5.00	0.535	No Trend	4	4	No	0.36817076	4.00	0.833	No Trend	19	19	No	0.64175949	59.00	0.979	Increasing
PTX06-1127	DCA12	2/7/2008	11/1/2018	26	26	No	0.42523943	-102.00	1	Decreasing	4	4	No	0.15506293	1.00	0.5	No Trend	19	19	No	0.51114729	-76.00	1	Decreasing
PTX06-1127	TCLME	2/7/2008	11/1/2018	26	26	No	0.91117487	297.00	1	Increasing	4	4	No	0.32832738	2.00	0.625	No Trend	19	19	No	0.69294692	147.00	1	Increasing
PTX06-1127	PERC	2/7/2008	11/1/2018	26	26	No	0.4202187	-204.00	1	Decreasing	4	4	No	0.11624063	-4.00	1	Decreasing	19	19	No	0.23035492	-85.00	1	Decreasing
PTX06-1127	B	9/2/2009	8/27/2018	19	19	No	0.16337639	77.00	0.997	Increasing	4	4	No	0.08080876	3.00	0.729	No Trend	19	19	No	0.16378689	77.00	1	Increasing
PTX06-1127	CR	2/7/2008	11/1/2018	16	16	No	1.3495397	39.00	0.9565	Increasing	4	4	No	1.36211581	6.00	0.958	Increasing	12	12	No	1.31895165	11.00	0.7485	No Trend
PTX06-1127	CR-6	2/7/2008	11/1/2018	13	6	No	0.74569488	-43.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	12	6	No	0.78814263	-36.00	0	Decreasing
PTX06-1127	MN	2/7/2008	5/22/2018	9	9	No	1.992703	-10.00	1	Decreasing	4	4	No	0.32754644	6.00	0.958	Increasing	5	5	No	0.2840381	4.00	0.758	No Trend
PTX06-1131	RDX	8/24/2009	4/25/2018	15	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	15	1	No	0	0.00	0	<4 Detections in Data
PTX06-1131	HMX	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	TNT	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DNT24	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DNT26	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DNT2A	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DNT4A	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	TNB135	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	TNB135	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DNB13	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DNB13	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	PCE	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	TCE	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DCE12C	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	DCA12	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	TCLME	8/24/2009	4/25/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	14	0	Yes	0	0.00	0	All Non-Detect
PTX06-1131	B	8/24/2009	4/25/2018	14	14	No	0.13807179	-35.00	1	Decreasing	4	4	No	0.04677597	2.00	0.625	No Trend	14	14	No	0.13807179	-35.00	1	Decreasing
PTX06-1131	MN	3/4/2010	4/25/2018	5	4	No	0.59984366	2.00	0.592	No Trend	4	4	No	0.46293525	-2.00	1	Decreasing	5	4	No	0.59984366	2.00	0.592	No Trend
PTX06-1133A	RDX	12/15/2011	10/30/2018	10	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	2	No	0	0.00	0	<4 Detections in Data
PTX06-1133A	HMX	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	TNT	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	DNT24	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	DNT26	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	DNT2A	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	DNT4A	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	TNB135	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	DNB13	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	PCE	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	TCE	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	DCE12C	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	DCA12	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	TCLME	12/15/2011	10/30/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1133A	B	12/15/2011	10/30/2018	10	10	No	0.07893253	19.00	0.946	Probably Increasing	4	4	No	0.03599353	1.00	0.5	No Trend	10	10	No	0.07893253	19.00	0.946	Probably Increasing
PTX06-1133A	CR	12/15/2011	10/30/2018	10	10	No	1.36240972	3.00	1	Increasing	4	4	No	1.18941042	0.00	0.375	No Trend	10	10	No	1.36240972	3.00	1	Increasing
PTX06-1133A	CR-6	12/15/2011	10/30/2018	10	4	No	0.45939026	-28.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	10	4	No	0.45939026	-28.00	1	Decreasing
PTX06-1133A	MN	12/15/2011	10/30/2018	10	10	No	1.26444592	-13.00	1	Decreasing	4	4	No	0.11135195	2.00	0.625	No Trend	10	10	No	1.26444592	-13.00	1	Decreasing
PTX06-1133A	NI	12/15/2011	10/30/2018	10	10	No	1.44184331	-25.00	1	Decreasing	4	4	No	0.61801366	-4.00	1	Decreasing	10	10	No	1.44184331	-25.00	1	Decreasing
PTX06-1133A	MO	12/15/2011	10/30/2018	10	10	No	0.57927839	3.00	1	Increasing	4	4	No	0.31932977	0.00	0.375	Stable	10	10	No	0.57927839	3.00	1	Increasing
PTX06-1134	RDX	8/27/2009	11/27/2018	19	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1134	HMX	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	TNT	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	DNT24	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	DNT26	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	DNT2A	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	DNT4A	8/27/2009	11/27/2018	19	19	No	0.68422991	-81.00	1	Decreasing	4	4	No	0.17433493	0.00	0.375	Stable	19	19	No	0.68422991	-81.00	1	Decreasing
PTX06-1134	TNB135	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	DNB13	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	DNB13	8/27/2009	11/27/2018	19	16	No	0.45961431	56.00	0.973	Increasing	4	4	No	0.29884289	2.00	0.625	No Trend	19	16	No	0.45961431	56.00	0.973	Increasing
PTX06-1134	DIOXANE14	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	PCE	8/27/2009	11/27/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1134	TCE	8/27/2009	11/27/2018	19																				

Perched Aquifer Well 2018 COC Trends

Well	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
PTX06-1147	TNB135	9/2/2009	12/5/2018	19	4	No	0.12241674	-83.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	19	4	No	0.12241674	-83.00	1	Decreasing
PTX06-1147	DNB13	9/2/2009	12/5/2018	19	3	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	19	3	No	0	0.00	0	<4 Detections in Data
PTX06-1147	PCE	9/2/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1147	TCE	9/2/2009	12/5/2018	19	18	No	0.32022227	-78.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	19	18	No	0.32022227	-78.00	1	Decreasing
PTX06-1147	DCE12C	9/2/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1147	DCA12	9/2/2009	12/5/2018	19	0	No	0.15625226	-38.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	19	0	No	0.15625226	-38.00	1	Decreasing
PTX06-1147	TCLME	9/2/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1147	B	9/2/2009	12/5/2018	19	19	No	0.26886655	78.00	0.997	Increasing	4	4	No	0.08484649	4.00	0.833	No Trend	19	19	No	0.26886655	78.00	0.997	Increasing
PTX06-1147	CR	9/2/2009	12/5/2018	19	19	No	1.06676319	-15.00	1	Decreasing	4	4	No	0.46415417	6.00	0.958	Increasing	19	19	No	1.06676319	-15.00	1	Decreasing
PTX06-1147	CR-6	9/2/2009	12/5/2018	19	6	No	0.32974019	-99.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	19	6	No	0.32974019	-99.00	1	Decreasing
PTX06-1147	MI	9/2/2009	12/5/2018	19	19	No	0.52148692	16.00	0.698	No Trend	4	4	No	0.65698135	-2.00	1	Decreasing	19	19	No	0.52148692	16.00	0.698	No Trend
PTX06-1147	NN	9/2/2009	12/5/2018	19	19	No	0.63638046	57.00	0.975	Increasing	4	4	No	0.7932319	-4.00	1	Decreasing	19	19	No	0.63638046	57.00	0.975	Increasing
PTX06-1147	MO	9/2/2009	12/5/2018	19	19	No	0.47326416	95.00	1	Increasing	4	4	No	0.53265182	-4.00	1	Decreasing	19	19	No	0.47326416	95.00	1	Increasing
PTX06-1151	RDX	9/1/2009	8/15/2018	19	19	No	0.45315283	-132.00	1	Decreasing	4	4	No	0.05282884	-6.00	1	Decreasing	19	19	No	0.45315283	-132.00	1	Decreasing
PTX06-1151	HMX	9/1/2009	8/15/2018	19	19	No	0.77484874	-148.00	1	Decreasing	4	4	No	0.1291355	4.00	0.833	No Trend	19	19	No	0.77484874	-148.00	1	Decreasing
PTX06-1151	TNT	9/1/2009	8/15/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1151	DNT24	9/1/2009	8/15/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1151	DNT26	9/1/2009	8/15/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1151	DNT2A	9/1/2009	8/15/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1151	DNT4A	9/1/2009	8/15/2018	19	17	No	0.32769822	90.00	0.999	Increasing	4	4	No	0.14470448	-4.00	1	Decreasing	19	17	No	0.32769822	90.00	0.999	Increasing
PTX06-1151	TNB135	9/1/2009	8/15/2018	19	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	<4 Detections in Data
PTX06-1151	DNB13	9/1/2009	8/15/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1151	DIOXANE14	9/1/2009	8/15/2018	19	19	No	0.28136585	53.00	0.966	Increasing	4	4	No	0.11151684	-2.00	1	Decreasing	19	19	No	0.28136585	53.00	0.966	Increasing
PTX06-1151	PCE	5/20/2009	8/15/2018	20	20	No	0.35991684	132.00	1	Increasing	4	4	No	0.18367736	-2.00	1	Decreasing	19	19	No	0.31709545	113.00	1	Increasing
PTX06-1151	TCE	5/20/2009	8/15/2018	20	20	No	0.24187438	-37.00	1	Decreasing	4	4	No	0.16553028	-6.00	1	Decreasing	19	19	No	0.23617524	-54.00	1	Decreasing
PTX06-1151	DCE12C	5/20/2009	8/15/2018	20	20	No	0.27427469	58.00	0.968	Increasing	4	4	No	0.11889457	-4.00	1	Decreasing	19	19	No	0.26582866	45.00	0.938	Probably Increasing
PTX06-1151	DCA12	5/20/2009	8/15/2018	20	20	No	0.18056029	65.00	0.9815	Increasing	4	4	No	0.15227253	-6.00	1	Decreasing	19	19	No	0.18229096	58.00	0.977	Increasing
PTX06-1151	TCLME	5/20/2009	8/15/2018	20	20	No	0.52152256	168.00	1	Increasing	4	4	No	0.11534367	-6.00	1	Decreasing	19	19	No	0.48783843	149.00	1	Increasing
PTX06-1151	PERC	9/1/2009	8/15/2018	20	20	No	0.22493517	-84.00	1	Decreasing	4	4	No	0.01289143	-6.00	1	Decreasing	20	20	No	0.22493517	-84.00	1	Decreasing
PTX06-1151	B	9/1/2009	8/15/2018	19	19	No	0.07151787	38.00	0.888	No Trend	4	4	No	0.06974199	-4.00	0.833	No Trend	19	19	No	0.07151787	38.00	0.888	No Trend
PTX06-1151	MD	3/30/2010	3/12/2018	12	5	No	0.74841006	-4.00	1	Decreasing	4	0	No	0.67672067	-4.00	1	Decreasing	12	5	No	0.74841006	-4.00	1	Decreasing
PTX06-1159	RDX	1/29/2013	7/31/2018	12	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	12	3	No	0	0.00	0	<4 Detections in Data
PTX06-1159	HMX	1/29/2013	7/31/2018	12	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	12	0	Yes	0	0.00	0	All Non-Detect
PTX06-1159	TNT	1/29/2013	7/31/2018	12	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	12	0	Yes	0	0.00	0	All Non-Detect
PTX06-1159	DNT24	1/29/2013	7/31/2018	12	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	12	0	Yes	0	0.00	0	All Non-Detect
PTX06-1159	DNT26	1/29/2013	7/31/2018	12	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	12	0	Yes	0	0.00	0	All Non-Detect
PTX06-1159	DNT2A	1/29/2013	7/31/2018	12	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	12	0	Yes	0	0.00	0	All Non-Detect
PTX06-1159	DNT4A	1/29/2013	7/31/2018	12	12	No	0.17603652	16.00	0.845	No Trend	4	4	No	0.21060298	-4.00	1	Decreasing	12	12	No	0.17603652	16.00	0.845	No Trend
PTX06-1159	TNB135	1/29/2013	7/31/2018	12	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	12	0	Yes	0	0.00	0	All Non-Detect
PTX06-1159	DNB13	1/29/2013	7/31/2018	12	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	12	0	Yes	0	0.00	0	All Non-Detect
PTX06-1159	DIOXANE14	1/29/2013	7/31/2018	12	12	No	0.23538664	-12.00	1	Decreasing	4	4	No	0.11909721	2.00	0.625	No Trend	12	12	No	0.23538664	-12.00	1	Decreasing
PTX06-1159	PCE	1/29/2013	7/31/2018	12	6	No	0.84648571	19.00	0.8985	No Trend	4	1	No	0	0.00	0	<4 Detections in Data	12	6	No	0.84648571	19.00	0.8985	No Trend
PTX06-1159	TCE	1/29/2013	7/31/2018	12	12	No	0.24829407	20.00	0.902	Probably Increasing	4	4	No	0.17562998	-2.00	1	Decreasing	12	12	No	0.24829407	20.00	0.902	Probably Increasing
PTX06-1159	DCE12C	1/29/2013	7/31/2018	12	12	No	0.2919525	43.00	0.9885	Increasing	4	4	No	0.18564886	-4.00	1	Decreasing	12	12	No	0.2919525	43.00	0.9885	Probably Increasing
PTX06-1159	DCA12	1/29/2013	7/31/2018	12	12	No	0.35485953	-28.00	1	Decreasing	4	4	No	0.37675683	-6.00	1	Decreasing	12	12	No	0.35485953	-28.00	1	Decreasing
PTX06-1159	TCLME	1/29/2013	7/31/2018	12	10	No	0.39666078	5.00	0.6055	No Trend	4	2	No	0	0.00	0	<4 Detections in Data	12	10	No	0.39666078	5.00	0.6055	No Trend
PTX06-1159	PERC	1/29/2013	7/31/2018	12	12	No	0.61765791	64.00	1	Increasing	4	4	No	0.2325174	6.00	0.958	Increasing	12	12	No	0.61765791	64.00	1	Increasing
PTX06-1159	B	1/29/2013	7/31/2018	12	12	No	0.09363503	-12.00	1	Decreasing	4	4	No	0.13144869	2.00	0.625	No Trend	12	12	No	0.09363503	-12.00	1	Decreasing
PTX06-1159	MN	1/28/2014	3/5/2018	3	2	No	0	0.00	0	<4 Samples in Data	3	2	No	0	0.00	0	<4 Samples in Data	3	2	No	0	0.00	0	<4 Samples in Data
PTX06-1160	RDX	1/29/2013	7/31/2018	12	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	12	1	No	0	0.00	0	<4 Detections in Data
PTX06-1160	HMX																							

Perched Aquifer Well 2018 COC Trends

Well	COC	First Date	Last Date	NumS AD	NumD AD	AIIND AD	CV AD	MKS AD	Conf AD	Trend AD	NumS L4S	NumD L4S	AIIND L4S	CV L4S	MKS L4S	Conf L4S	Trend L4S	NumS SSRA	NumD SSRA	AIIND SSRA	CV SSRA	MKS SSRA	Conf SSRA	Trend SSRA
PTX06-1171	TNT	5/25/2016	8/7/2018	3	0	Yes	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	0	Yes	0	0.00	0	<4 Samples in Data
PTX06-1171	DNT24	5/25/2016	8/7/2018	3	0	Yes	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	0	Yes	0	0.00	0	<4 Samples in Data
PTX06-1171	DNT26	5/25/2016	8/7/2018	3	0	Yes	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	0	Yes	0	0.00	0	<4 Samples in Data
PTX06-1171	DNT2A	5/25/2016	8/7/2018	3	0	Yes	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	0	Yes	0	0.00	0	<4 Samples in Data
PTX06-1171	DNT4A	5/25/2016	8/7/2018	3	3	No	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data
PTX06-1171	TNB135	5/25/2016	8/7/2018	3	0	Yes	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	0	Yes	0	0.00	0	<4 Samples in Data
PTX06-1171	DNB13	5/25/2016	8/7/2018	3	0	Yes	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	0	Yes	0	0.00	0	<4 Samples in Data
PTX06-1171	DIOXANE14	5/25/2016	8/7/2018	3	3	No	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data
PTX06-1171	PCE	3/18/2015	8/7/2018	4	4	No	0.43146885	6.00	0.958	Increasing	4	4	No	0.43146885	6.00	0.958	Increasing	4	4	No	0.43146885	6.00	0.958	Increasing
PTX06-1171	TCE	3/18/2015	8/7/2018	4	4	No	0.12728254	4.00	0.833	No Trend	4	4	No	0.12728254	4.00	0.833	No Trend	4	4	No	0.12728254	4.00	0.833	No Trend
PTX06-1171	DCE12C	3/18/2015	8/7/2018	4	4	No	0.12431664	-6.00	1	Decreasing	4	4	No	0.12431664	-6.00	1	Decreasing	4	4	No	0.12431664	-6.00	1	Decreasing
PTX06-1171	DCA12	3/18/2015	8/7/2018	4	4	No	0.08662072	0.00	0.375	Stable	4	4	No	0.08662072	0.00	0.375	Stable	4	4	No	0.08662072	0.00	0.375	Stable
PTX06-1171	TCLME	3/18/2015	8/7/2018	4	4	No	0.03785093	2.00	0.625	No Trend	4	4	No	0.03785093	2.00	0.625	No Trend	4	4	No	0.03785093	2.00	0.625	No Trend
PTX06-1171	PERC	3/18/2015	8/7/2018	4	4	No	0.26438371	-6.00	1	Decreasing	4	4	No	0.26438371	-6.00	1	Decreasing	4	4	No	0.26438371	-6.00	1	Decreasing
PTX06-1171	B	3/18/2015	8/7/2018	4	4	No	0.14246047	-3.00	1	Decreasing	4	4	No	0.14246047	-3.00	1	Decreasing	4	4	No	0.14246047	-3.00	1	Decreasing
PTX06-1171	MN	3/18/2015	8/7/2018	3	3	No	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data	3	3	No	0	0.00	0	<4 Samples in Data
PTX06-1180	RDX	12/9/2015	12/3/2018	5	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	5	1	No	0	0.00	0	<4 Detections in Data
PTX06-1180	HMX	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	TNT	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	DNT24	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	DNT26	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	DNT2A	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	DNT4A	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	TNB135	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	DNB13	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	DIOXANE14	12/9/2015	12/3/2018	5	5	No	0.12707987	-8.00	1	Decreasing	4	4	No	0.07518751	-4.00	1	Decreasing	5	5	No	0.12707987	-8.00	1	Decreasing
PTX06-1180	PCE	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	TCE	12/9/2015	12/3/2018	5	5	No	0.2710061	6.00	0.883	No Trend	4	4	No	0.07740772	2.00	0.625	No Trend	5	5	No	0.2710061	6.00	0.883	No Trend
PTX06-1180	DCE12C	12/9/2015	12/3/2018	5	5	No	0.2055107	2.00	0.592	No Trend	4	4	No	0.07193988	-2.00	1	Decreasing	5	5	No	0.2055107	2.00	0.592	No Trend
PTX06-1180	DCA12	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	TCLME	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	PERC	12/9/2015	12/3/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1180	B	2/1/2017	12/3/2018	4	4	No	0.07442555	5.00	0.8955	No Trend	4	4	No	0.07442555	5.00	0.8955	No Trend	4	4	No	0.07442555	5.00	0.8955	No Trend
PTX06-1180	MN	6/11/2018	6/11/2018	1	1	No	0	0.00	0	<4 Samples in Data	1	1	No	0	0.00	0	<4 Samples in Data	1	1	No	0	0.00	0	<4 Samples in Data
PTX06-1182	RDX	10/3/2016	12/4/2018	6	6	No	0.62114874	-3.00	1	Decreasing	4	4	No	0.84676305	-4.00	1	Decreasing	6	6	No	0.62114874	-3.00	1	Decreasing
PTX06-1182	HMX	10/3/2016	12/4/2018	6	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	6	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	TNT	10/3/2016	12/4/2018	6	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	6	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	DNT24	10/3/2016	12/4/2018	6	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	6	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	DNT26	10/3/2016	12/4/2018	6	3	No	0	0.00	0	<4 Detections in Data	4	1	No	0	0.00	0	<4 Detections in Data	6	3	No	0	0.00	0	<4 Detections in Data
PTX06-1182	DNT2A	10/3/2016	12/4/2018	6	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	6	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	DNT4A	10/3/2016	12/4/2018	6	6	No	0.63872894	-9.00	1	Decreasing	4	4	No	0.90335422	-6.00	1	Decreasing	6	6	No	0.63872894	-9.00	1	Decreasing
PTX06-1182	TNB135	10/3/2016	12/4/2018	6	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	6	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	DNB13	10/3/2016	12/4/2018	6	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	6	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	PCE	10/3/2016	12/4/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	TCE	10/3/2016	12/4/2018	5	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	5	1	No	0	0.00	0	<4 Detections in Data
PTX06-1182	DCE12C	10/3/2016	12/4/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	DCA12	10/3/2016	12/4/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	TCLME	10/3/2016	12/4/2018	5	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	5	0	Yes	0	0.00	0	All Non-Detect
PTX06-1182	B	10/3/2016	12/4/2018	5	5	No	0.13236694	8.00	0.958	Increasing	4	4	No	0.14259594	6.00	0.958	Increasing	5	5	No	0.13236694	8.00	0.958	Increasing
PTX06-1182	CR	10/3/2016	12/4/2018	5	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	5	1	No	0	0.00	0	<4 Detections in Data
PTX06-1182	CR-6	10/3/2016	12/4/2018	5	3	No	0	0.00	0	<4 Detections in Data	4	3	No	0	0.00	0	<4 Detections in Data	5	3	No	0	0.00	0	<4 Detections in Data
PTX06-1182	MN	5/23/2018	5/23/2018	1	1	No	0	0.00	0	<4 Samples in Data	1	1	No	0	0.00	0	<4 Samples in Data	1	1	No	0	0.00	0	<4 Samples in Data
PTX06-1183	RDX	11/30																						

Perched Aquifer Well 2018 COC Trends

Well	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
PTX07-10Q3	TNT	12/6/1995	8/22/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	DNT24	12/6/1995	8/22/2018	27	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	DNT26	12/6/1995	8/22/2018	27	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	DNT2A	12/6/1995	8/22/2018	26	14	No	0.41068283	135.00	0.999	Increasing	4	4	No	0.17156634	-4.00	1	Decreasing	10	10	No	0.21662506	-14.00	1	Decreasing
PTX07-10Q3	DNT4A	12/6/1995	8/22/2018	26	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	TNB135	12/6/1995	8/22/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	DNB13	12/6/1995	8/22/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	PCE	12/6/1995	8/22/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	TCE	12/6/1995	8/22/2018	23	5	No	0.8549305	-9.00	1	Decreasing	4	4	No	0.27317072	2.00	0.625	No Trend	10	5	No	0.32069322	21.00	0.964	Increasing
PTX07-10Q3	DCE12C	12/6/1995	8/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	DCA12	12/6/1995	8/22/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	TCLME	12/6/1995	8/22/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-10Q3	B	12/6/1995	8/22/2018	24	24	No	0.17593712	-136.00	1	Decreasing	4	4	No	0.14450795	-6.00	1	Decreasing	10	10	No	0.14027272	7.00	1	Increasing
PTX07-10Q3	MN	12/6/1995	8/22/2018	20	11	No	0.86155714	-85.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	5	1	No	0	0.00	0	<4 Detections in Data
PTX07-1P02	RDX	12/13/1995	10/30/2018	35	30	No	1.64336267	-120.00	1	Decreasing	4	4	No	0.28724061	4.00	0.833	No Trend	20	17	No	0.79972704	91.00	0.9985	Increasing
PTX07-1P02	HMX	12/13/1995	10/30/2018	35	18	No	1.42748292	-186.00	1	Decreasing	4	4	No	0.24903503	0.00	0.375	No Trend	20	15	No	0.6029053	99.00	0.9985	Increasing
PTX07-1P02	TNT	12/13/1995	10/30/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DNT24	12/13/1995	10/30/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DNT26	12/13/1995	10/30/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DNT2A	12/13/1995	10/30/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DNT4A	12/13/1995	10/30/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	TNB135	12/13/1995	10/30/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DNB13	12/13/1995	10/30/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DIOXANE14	4/27/2006	10/30/2018	21	19	No	0.58326565	-105.00	1	Decreasing	4	4	No	0.30034867	-6.00	1	Decreasing	19	19	No	0.47771105	-68.00	1	Decreasing
PTX07-1P02	PCE	12/13/1995	10/30/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	TCE	12/13/1995	10/30/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DCE12C	12/13/1995	10/30/2018	30	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	DCA12	12/13/1995	10/30/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	TCLME	12/13/1995	10/30/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX07-1P02	PERC	12/13/1995	10/30/2018	26	1	No	0	0.00	0	<4 Detections in Data	4	0	No	0	0.00	0	All Non-Detect	18	1	No	0	0.00	0	<4 Detections in Data
PTX07-1P02	B	12/13/1995	10/30/2018	33	33	No	0.24725606	188.00	0.998	Increasing	4	4	No	0.11280219	0.00	0.958	Increasing	19	19	No	0.25828688	57.00	0.975	<4 Detections in Data
PTX07-1P02	MN	12/13/1995	6/4/2018	19	18	No	0.78425423	-100.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	5	4	No	0.43585436	-5.00	1	Decreasing
PTX07-1Q01	RDX	12/12/1995	8/6/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	HMX	12/12/1995	8/6/2018	23	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	TNT	12/12/1995	8/6/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	DNT24	12/12/1995	8/6/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	DNT26	12/12/1995	8/6/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	DNT4A	12/12/1995	8/6/2018	23	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	DNT2A	12/12/1995	8/6/2018	23	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	TNB135	12/12/1995	8/6/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	DNB13	12/12/1995	8/6/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	PCE	12/12/1995	8/6/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	TCE	12/12/1995	8/6/2018	23	1	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	DCE12C	12/12/1995	8/6/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	DCA12	12/12/1995	8/6/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	TCLME	12/12/1995	8/6/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q01	B	12/12/1995	8/6/2018	20	20	No	0.20919806	-72.00	1	Decreasing	4	4	No	0.21400572	6.00	0.958	Increasing	10	10	No	0.24358083	-2.00	1	Decreasing
PTX07-1Q01	MN	12/12/1995	8/6/2018	15	8	No	0.5642671	-20.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	5	1	No	0	0.00	0	<4 Detections in Data
PTX07-1Q02	RDX	11/1/1995	8/6/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	HMX	11/1/1995	8/6/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	TNT	11/1/1995	8/6/2018	24	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	DNT24	11/1/1995	8/6/2018	24	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	DNT26	11/1/1995	8/6/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	DNT2A	11/1/1995	8/6/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	DNT4A	11/1/1995	8/6/2018	24	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	TNB135	11/1/1995	8/6/2018	24	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	DNB13	11/1/1995	8/6/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	PCE	11/1/1995	8/6/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	TCE	11/1/1995	8/6/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX07-1Q02	DCE12C	11/1/1995	8/6/2018	17	0	Yes	0	0.00																

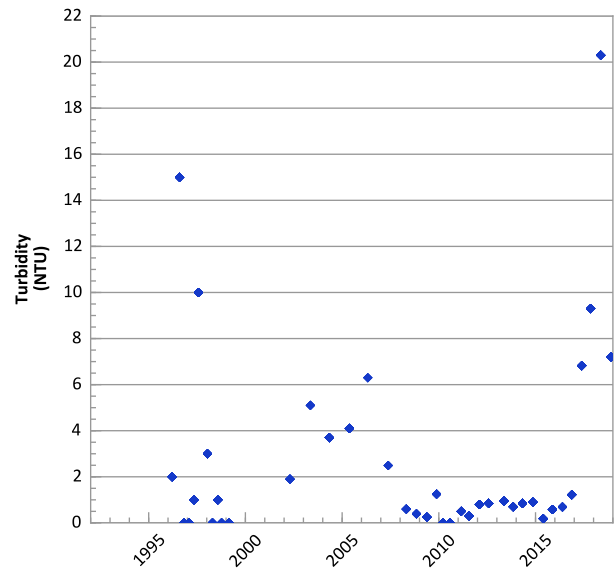
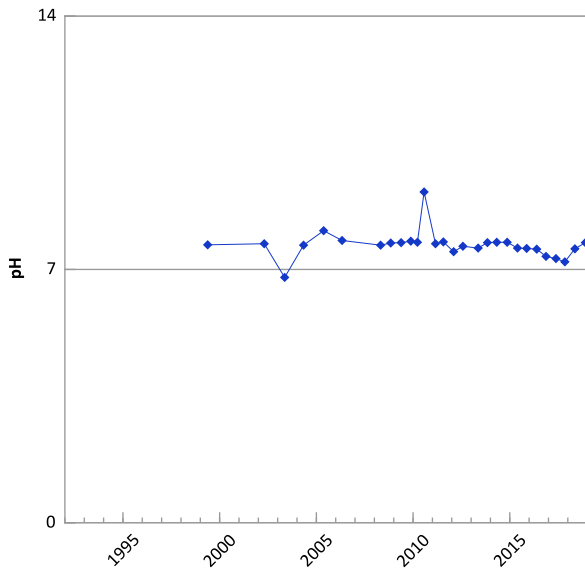
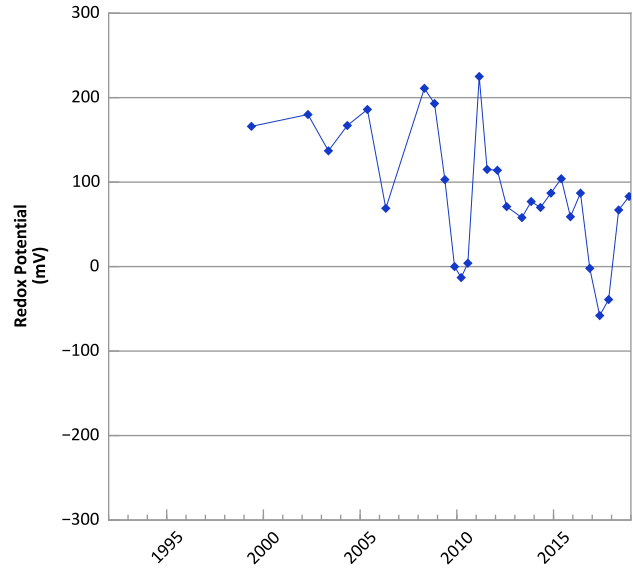
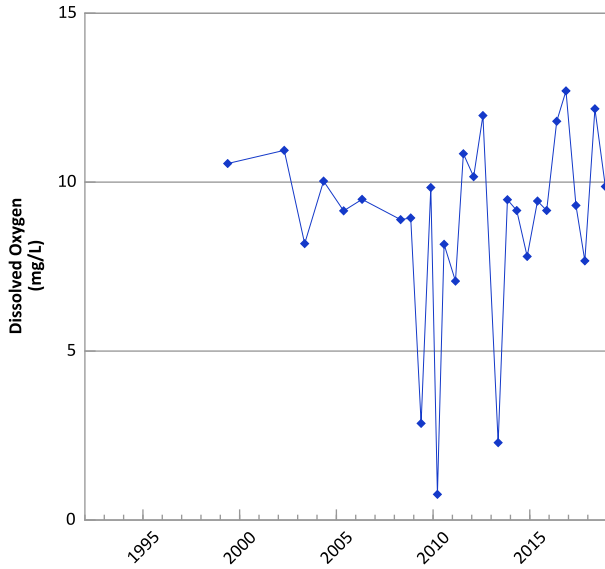
Perched Aquifer Well 2018 COC Trends

Well	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
PTX08-1001	DIOXANE14	4/27/2006	6/4/2018	11	2	No	0	0.00	0	<-4 Detections in Data	4	2	No	0	0.00	0	<-4 Detections in Data	9	2	No	0	0.00	0	<-4 Detections in Data
PTX08-1001	PCE	12/11/1995	6/4/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1001	TCE	12/11/1995	6/4/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1001	DCE12C	12/11/1995	6/4/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1001	DCA12	12/11/1995	6/4/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1001	TCLME	12/11/1995	6/4/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1001	PERC	4/19/2001	6/4/2018	17	14	No	0.76254624	-87.00	1	Decreasing	4	1	No	0	0.00	0	<-4 Detections in Data	9	6	No	0.61254004	-21.00	1	Decreasing
PTX08-1001	B	12/11/1995	6/4/2018	25	25	No	0.80961358	109.00	0.9945	Increasing	4	4	No	0.66650559	4.00	0.833	No Trend	9	9	No	0.4697123	6.00	0.694	No Trend
PTX08-1001	MN	12/11/1995	6/4/2018	22	18	No	1.43093932	-57.00	1	Decreasing	4	2	No	0	0.00	0	<-4 Detections in Data	5	2	No	0	0.00	0	<-4 Detections in Data
PTX08-1002	RDX	12/14/1995	10/30/2018	36	35	No	0.91437492	-241.00	1	Decreasing	4	4	No	0.63778705	-4.00	1	Decreasing	16	16	No	0.80741309	-68.00	1	Decreasing
PTX08-1002	HMX	12/14/1995	10/30/2018	36	35	No	1.13572301	-333.00	1	Decreasing	4	4	No	0.31828448	-2.00	1	Decreasing	16	16	No	0.62319349	-14.00	1	Decreasing
PTX08-1002	TNT	12/14/1995	10/30/2018	36	33	No	0.81244969	-138.00	1	Decreasing	4	4	No	0.45907833	-4.00	1	Decreasing	16	16	No	0.96871254	22.00	0.825	No Trend
PTX08-1002	DNT24	12/14/1995	10/30/2018	35	31	No	1.27344311	-335.00	1	Decreasing	4	4	No	0.48949018	-4.00	1	Decreasing	16	15	No	0.4854616	20.00	0.801	No Trend
PTX08-1002	DNT26	12/14/1995	10/30/2018	34	3	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	16	2	No	0	0.00	0	<-4 Detections in Data
PTX08-1002	DNT2A	12/14/1995	10/30/2018	34	29	No	1.03507411	-147.00	1	Decreasing	4	4	No	0.66950578	-4.00	1	Decreasing	16	16	No	0.69311238	-46.00	1	Decreasing
PTX08-1002	DNT4A	12/14/1995	10/30/2018	34	23	No	1.1647119	122.00	0.9635	Increasing	4	4	No	0.38164686	-4.00	1	Decreasing	16	16	No	0.81019529	-50.00	1	Decreasing
PTX08-1002	TNB135	12/14/1995	10/30/2018	36	33	No	1.0450491	-105.00	1	Decreasing	4	4	No	0.38161531	-4.00	1	Decreasing	16	16	No	0.85540561	22.00	0.825	No Trend
PTX08-1002	DNB13	12/14/1995	10/30/2018	34	3	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	16	0	Yes	0	0.00	0	All Non-Detect
PTX08-1002	PCE	12/14/1995	10/30/2018	30	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	16	0	Yes	0	0.00	0	All Non-Detect
PTX08-1002	TCE	12/14/1995	10/30/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	16	0	Yes	0	0.00	0	All Non-Detect
PTX08-1002	DCE12C	12/14/1995	10/30/2018	29	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	16	0	Yes	0	0.00	0	All Non-Detect
PTX08-1002	DCA12	12/14/1995	10/30/2018	30	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	16	0	Yes	0	0.00	0	All Non-Detect
PTX08-1002	TCLME	12/14/1995	10/30/2018	30	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	16	0	Yes	0	0.00	0	All Non-Detect
PTX08-1002	B	12/14/1995	10/30/2018	34	34	No	0.31912266	-407.00	1	Decreasing	4	4	No	0.1513924	-4.00	1	Decreasing	16	16	No	0.25064941	-96.00	1	Decreasing
PTX08-1002	CR	12/14/1995	10/30/2018	37	23	No	1.68709011	-77.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	16	5	No	2.88139062	-27.00	1	Decreasing
PTX08-1002	CR-6	3/5/1996	6/4/2018	36	5	No	0.52244157	3.00	0.5105	No Trend	4	3	No	0	0.00	0	<-4 Detections in Data	16	3	No	0	0.00	0	<-4 Detections in Data
PTX08-1002	MN	12/14/1995	6/4/2018	29	19	No	2.33257285	65.00	0.884	No Trend	4	4	No	1.07720051	-6.00	1	Decreasing	9	9	No	1.75764097	16.00	0.94	Probably Increasing
PTX08-1003	RDX	11/29/1995	5/14/2018	25	11	No	0.41504999	-18.00	1	Decreasing	4	4	No	0.20133204	2.00	0.625	No Trend	11	11	No	0.28852523	30.00	0.9895	Increasing
PTX08-1003	HMX	11/29/1995	5/14/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	TNT	11/29/1995	5/14/2018	24	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	DNT24	11/29/1995	5/14/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	DNT26	11/29/1995	5/14/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	DNT2A	11/29/1995	5/14/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	DNT4A	11/29/1995	5/14/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	TNB135	11/29/1995	5/14/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	DNB13	11/29/1995	5/14/2018	24	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	DIOXANE14	11/11/2002	5/14/2018	15	5	No	0.92473107	-17.00	1	Decreasing	4	4	No	0.38608539	-2.00	1	Decreasing	11	5	No	0.73084428	26.00	0.975	Increasing
PTX08-1003	PCE	11/29/1995	5/14/2018	23	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	TCE	11/29/1995	5/14/2018	25	10	No	0.79182604	66.00	0.935	Probably Increasing	4	4	No	0.53482538	-4.00	1	Decreasing	11	10	No	0.65027279	-15.00	1	Decreasing
PTX08-1003	DCE12C	11/29/1995	5/14/2018	21	6	No	0.25159716	11.00	0.79	No Trend	4	1	No	0	0.00	0	<-4 Detections in Data	11	6	No	0.30980403	-12.00	1	Decreasing
PTX08-1003	DCA12	11/29/1995	5/14/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	TCLME	11/29/1995	5/14/2018	24	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	11	0	Yes	0	0.00	0	All Non-Detect
PTX08-1003	PERC	10/19/2000	5/14/2018	20	0	No	0.53021697	-192.00	1	Decreasing	4	4	No	0.0704093	4.00	0.833	No Trend	11	11	No	0.24873652	-33.00	1	Decreasing
PTX08-1003	B	11/29/1995	5/14/2018	25	24	No	0.16582959	163.00	1	Increasing	4	4	No	0.04514945	-1.00	1	Decreasing	11	11	No	0.09271173	22.00	0.9485	Probably Increasing
PTX08-1003	MN	11/29/1995	5/14/2018	20	19	No	2.02838687	30.00	0.824	No Trend	4	4	No	0.64134152	0.00	0.375	Stable	5	5	No	0.54305093	-2.00	1	Decreasing
PTX08-1005	RDX	11/29/1995	8/15/2018	36	32	No	1.92395599	-290.00	1	Decreasing	4	1	No	0	0.00	0	<-4 Detections in Data	19	16	No	1.38945383	-40.00	1	Decreasing
PTX08-1005	HMX	11/29/1995	8/15/2018	36	33	No	2.26533541	-396.00	1	Decreasing	4	3	No	2	0.00	0	<-4 Detections in Data	19	18	No	1.7259125	-49.00	1	Decreasing
PTX08-1005	TNT	11/29/1995	8/15/2018	36	1	No	0	0.00	0	<-4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1005	DNT24	11/29/1995	8/15/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1005	DNT26	11/29/1995	8/15/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1005	DNT2A	11/29/1995	8/15/2018	36	11	No	0.94541669	-366.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No				

Perched Aquifer Well 2018 COC Trends

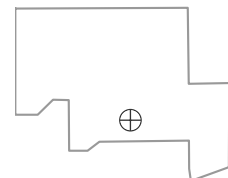
Well	COC	First Date	Last Date	NumS AD	NumD AD	AIND AD	CV AD	MKS AD	Conf AD	Trend AD	NumS L4S	NumD L4S	AIND L4S	CV L4S	MKS L4S	Conf L4S	Trend L4S	NumS SSRA	NumD SSRA	AIND SSRA	CV SSRA	MKS SSRA	Conf SSRA	Trend SSRA
PTX08-1007	DNT4A	3/11/1996	6/6/2018	16	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	3	No	0	0.00	0	<4 Detections in Data
PTX08-1007	TNB135	3/11/1996	6/6/2018	17	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1007	DNB13	3/11/1996	6/6/2018	17	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	1	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1007	DIOXANE14	8/7/2002	6/6/2018	10	8	No	0.8897984	-4.00	1	Decreasing	4	4	No	0.44083618	-4.00	1	Decreasing	9	8	No	0.3575141	5.00	0.6565	No Trend
PTX08-1007	PCE	3/11/1996	6/6/2018	20	12	No	0.80133942	-50.00	1	Decreasing	4	4	No	0.27197439	3.00	0.729	No Trend	9	8	No	0.33734198	-15.00	1	Decreasing
PTX08-1007	TCE	3/11/1996	6/6/2018	20	20	No	0.30024432	34.00	0.856	No Trend	4	4	No	0.14702956	2.00	0.625	No Trend	9	9	No	0.34053819	-4.00	1	Decreasing
PTX08-1007	DCE12C	3/11/1996	6/6/2018	15	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX08-1007	DCA12	3/11/1996	6/6/2018	20	17	No	1.0985715	58.00	0.968	Increasing	4	4	No	0.71147435	6.00	0.958	Increasing	9	9	No	0.96182436	2.00	0.994	Increasing
PTX08-1007	TCLME	3/11/1996	6/6/2018	20	20	No	0.56253607	10.00	1	Increasing	4	4	No	0.56601654	6.00	0.958	Increasing	9	9	No	0.62884334	20.00	0.978	Increasing
PTX08-1007	PERC	4/23/2001	6/6/2018	14	8	No	0.26561528	-22.00	1	Decreasing	4	4	No	0.07271024	6.00	0.958	Increasing	9	5	No	0.08404202	6.00	0.694	No Trend
PTX08-1007	BR	12/20/1995	6/6/2018	19	18	No	0.50570263	130.00	1	Increasing	4	4	No	0.08360894	-5.00	1	Decreasing	9	9	No	0.20355576	7.00	0.728	No Trend
PTX08-1007	CR	12/20/1995	6/6/2018	22	20	No	2.26981536	-52.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	10	8	No	2.26155452	-26.00	1	Decreasing
PTX08-1007	CR-6	3/11/1996	6/6/2018	19	11	No	2.88881375	-29.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	10	6	No	2.18431625	-31.00	1	Decreasing
PTX08-1007	MN	12/20/1995	6/6/2018	19	16	No	2.10082806	10.00	0.622	No Trend	4	3	No	0	0.00	0	<4 Detections in Data	7	6	No	1.47209346	-13.00	1	Decreasing
PTX08-1008	RDX	11/14/1995	12/4/2018	41	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	20	1	No	0	0.00	0	<4 Detections in Data
PTX08-1008	HMX	11/14/1995	12/4/2018	41	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	20	1	No	0	0.00	0	<4 Detections in Data
PTX08-1008	TNT	11/14/1995	12/4/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	DNT24	11/14/1995	12/4/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	DNT26	11/14/1995	12/4/2018	41	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	DNT2A	11/14/1995	12/4/2018	41	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	DNT4A	11/14/1995	12/4/2018	41	12	No	0.98521498	-393.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	20	2	No	0	0.00	0	<4 Detections in Data
PTX08-1008	TNB135	11/14/1995	12/4/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	DNB13	11/14/1995	12/4/2018	36	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	DIOXANE14	2/10/2004	12/4/2018	29	7	No	1.08135281	-62.00	1	Decreasing	4	4	No	0.0870443	6.00	0.958	Increasing	20	6	No	0.67432941	70.00	0.988	Increasing
PTX08-1008	PCE	11/14/1995	12/4/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	TCE	11/14/1995	12/4/2018	41	12	No	0.90367356	-139.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	20	5	No	0.20737828	79.00	0.9945	Increasing
PTX08-1008	DCE12C	11/14/1995	12/4/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	DCA12	11/14/1995	12/4/2018	36	20	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	20	0	Yes	0	0.00	0	All Non-Detect
PTX08-1008	TCLME	11/14/1995	12/4/2018	36	24	No	0.70049579	-256.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	20	14	No	0.30493658	42.00	0.907	Probably Increasing
PTX08-1008	PERC	8/23/1999	12/4/2018	37	17	No	1.93040788	241.00	0.999	Increasing	4	4	No	0.07287595	-2.00	1	Decreasing	20	16	No	1.35159859	136.00	1	Increasing
PTX08-1008	BR	11/14/1995	12/4/2018	46	46	No	0.19554684	584.00	1	Increasing	4	4	No	0.03307218	-3.00	1	Decreasing	20	20	Yes	0	6.00	0	Increasing
PTX08-1008	CR	11/14/1995	12/4/2018	47	47	No	1.18413293	-742.00	1	Decreasing	4	4	No	0.19557651	-4.00	1	Decreasing	20	20	No	0.52543481	-109.00	1	Decreasing
PTX08-1008	CR-6	11/14/1995	12/4/2018	47	47	No	1.12553495	-756.00	1	Decreasing	4	4	No	0.19417413	-2.00	1	Decreasing	19	19	No	0.584519	-105.00	1	Decreasing
PTX08-1008	MN	11/14/1995	12/4/2018	46	27	No	0.7519446	203.00	1	Increasing	4	2	No	0	0.00	0	<4 Detections in Data	20	17	No	0.63099167	-49.00	1	Decreasing
PTX08-1008	MI	11/14/1995	12/4/2018	45	37	No	1.52408235	-428.00	1	Decreasing	4	4	No	0	0.00	0	<4 Detections in Data	20	17	No	0.45168085	-85.00	1	Decreasing
PTX08-1008	NO	11/14/1995	12/4/2018	45	38	No	3.50260055	-204.00	1	Decreasing	4	2	No	0.00728693	2.00	0.625	No Trend	20	20	No	0.10843439	-100.00	1	Decreasing
PTX08-1009	RDX	11/14/1995	11/1/2018	35	22	No	3.74478375	-208.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	19	16	No	0.81926934	-85.00	1	Decreasing
PTX08-1009	HMX	11/14/1995	11/1/2018	35	10	No	1.56297562	-285.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	10	No	1.51551824	-43.00	1	Decreasing
PTX08-1009	TNT	11/14/1995	11/1/2018	35	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	DNT24	11/14/1995	11/1/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	DNT26	11/14/1995	11/1/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	DNT2A	11/14/1995	11/1/2018	35	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	DNT4A	11/14/1995	11/1/2018	35	0	No	1.50539844	-136.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	<4 Detections in Data
PTX08-1009	TNB135	11/14/1995	11/1/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	DNB13	11/14/1995	11/1/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	PCE	11/14/1995	11/1/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	TCE	11/14/1995	11/1/2018	38	17	No	0.70014372	-280.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	3	No	0	0.00	0	<4 Detections in Data
PTX08-1009	DCE12C	11/14/1995	11/1/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	DCA12	11/14/1995	11/1/2018	35	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX08-1009	TCLME	11/14/1995	11/1/2018	36	14	No	0.90812378	-84.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	19	8	No	0.28920713	8.00	0.5955	No Trend
PTX08-1009	PERC	2/22/2001	11/1/2018	9	2	No	0	0.00	0	<4 Detections in Data	4	2	No	0	0.00	0	<4 Detections in Data	2	2	No	0	0.00	0	<4 Samples in Data
PTX08-1009	BR	11/14/1995	11/1/2018	35	35	No	0.13616706	269.00	1	Increasing	4	4	No	0.02975358	-1.00	1	Decreasing	19	19	No	0.08599525	22.00	0.766	No Trend
PTX08-1009	CR	11/14/1995	11/1/2018	38	36	No	2.22530848	-346.00	1	Decreasing	4	4	No	0.30159102	-6.00	1	Decreasing	19	17	No	0.81868125	70.00	0.993	Increasing
PTX08-1009	CR-6	11/14/1995	11/1/2018	37	27	No	2.08113445	-320.00	1	Decreasing	4	4	No	0.32611048	-6.00	1	Decreasing	19	10	No	0.68504297	69.00	0.992	Increasing
PTX08-1009	MN	11/14/1995	11/1/2018	36	21	No	1.94237895	161.00	0.9855	Increasing	4	2	No	0	0.00	0	<4 Detections in Data	19	10	No	1.71792403	-71.00	1	Decreasing
PTX08-1009	NI	11/14/1995	11/1/2018	36	29	No	1.33273105	-334.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	19	15	No	0.75520544	-35.00	1	Decreasing
PTX08-1009	MO	11/14/1995	11/1/2018	37	33	No	0.68327368	-41.00	0.8985	No Trend	4	4	No	0.01155801	2.00	0.625	No Trend	19	19	No	0.06634388	-75.00		

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



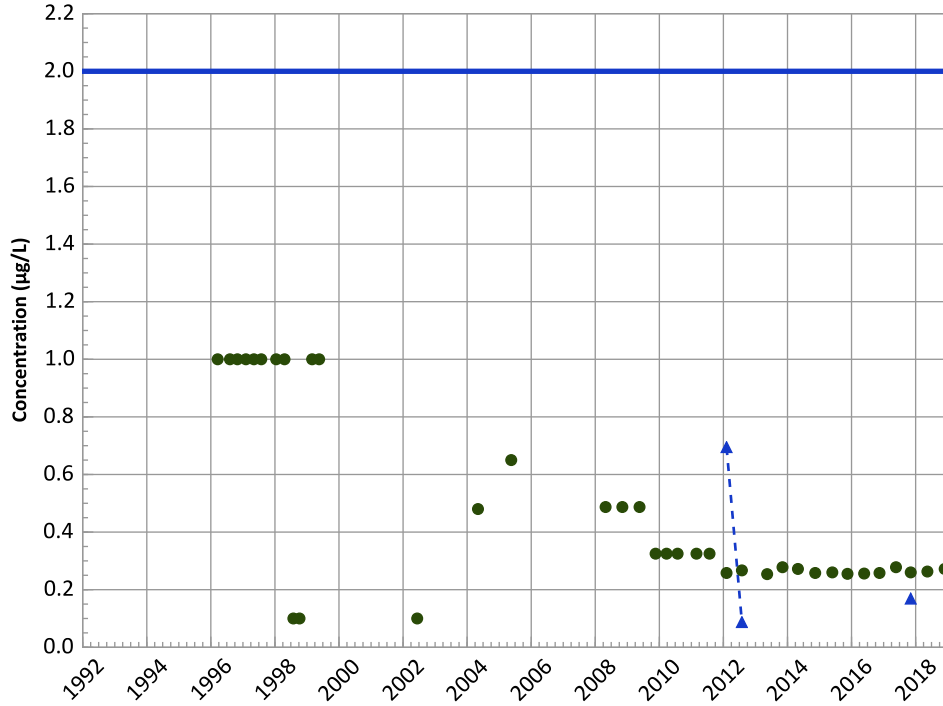
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 03/19/1996 to 11/28/2018
 Analysis Date: 02/14/2019

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

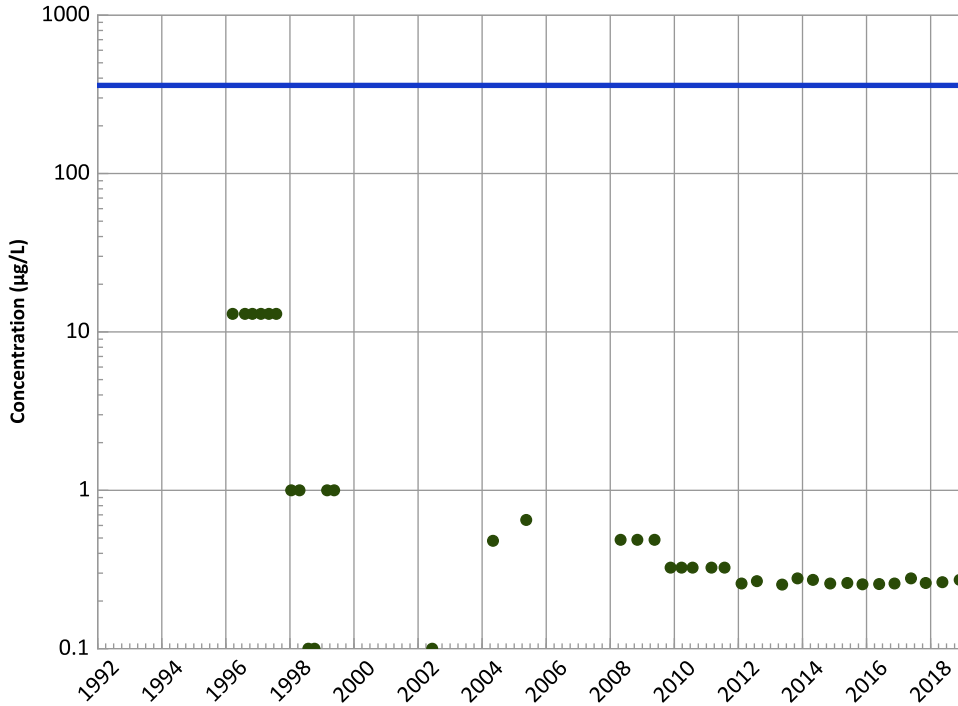


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

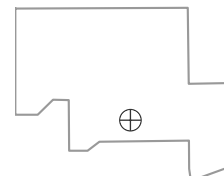
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

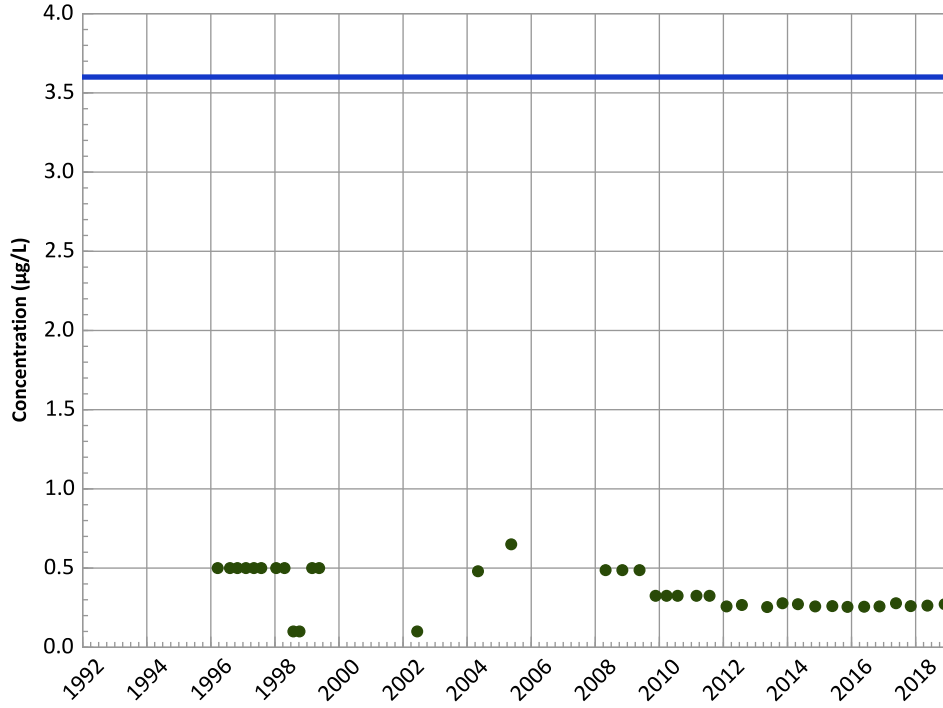
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

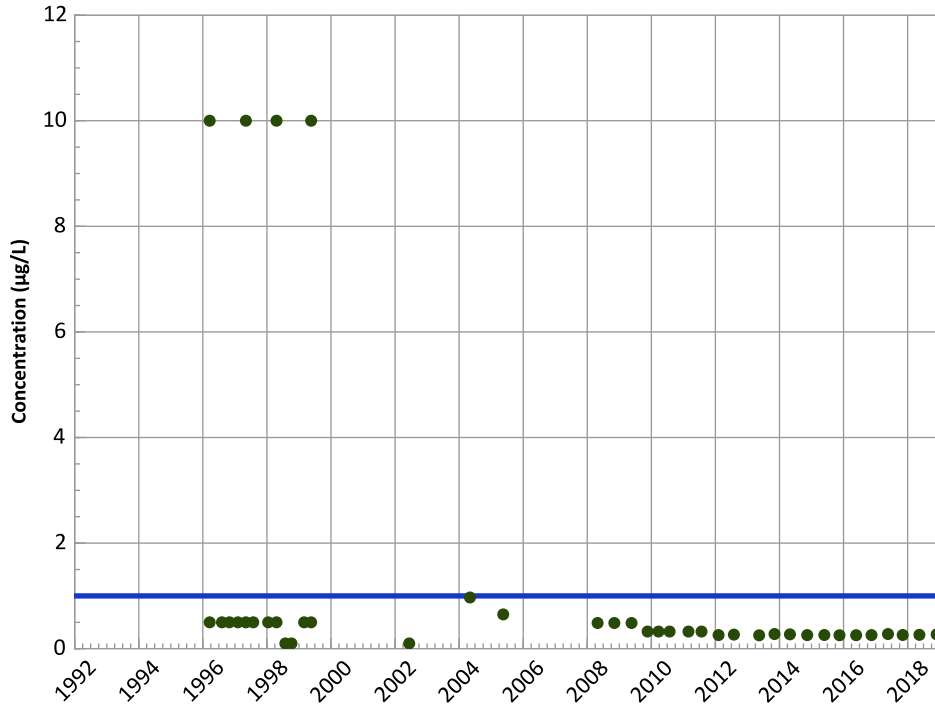
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

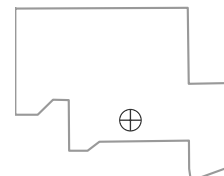
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

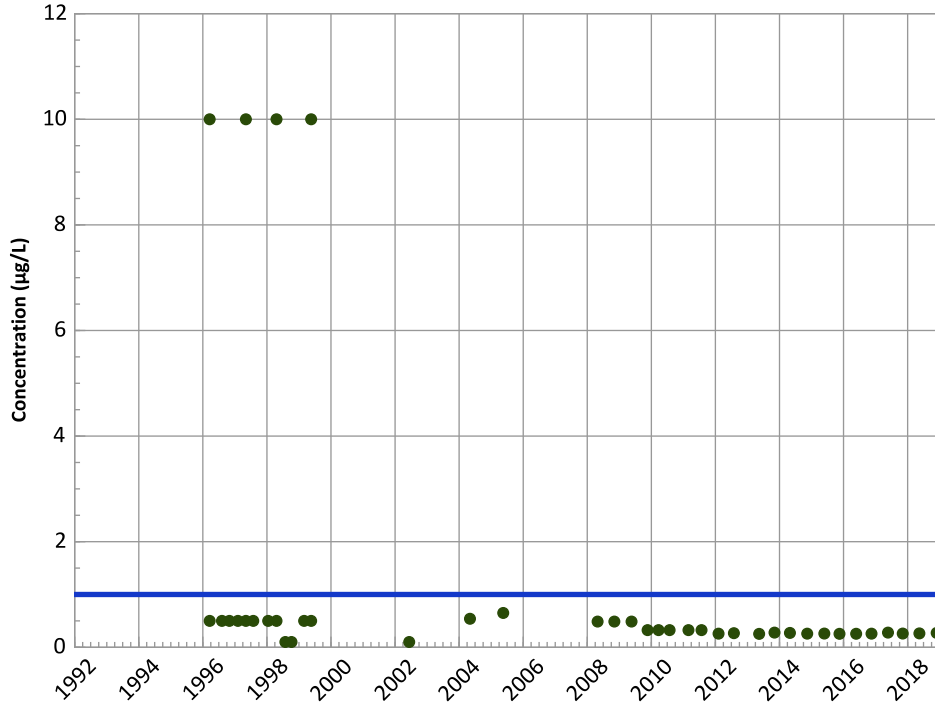
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

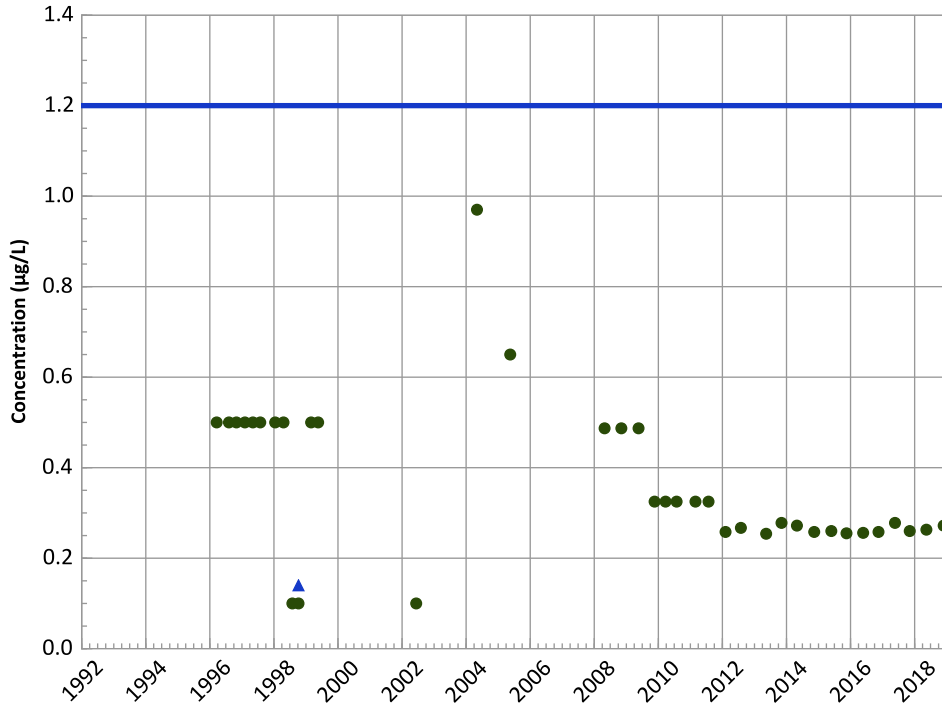
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

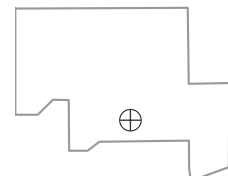
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

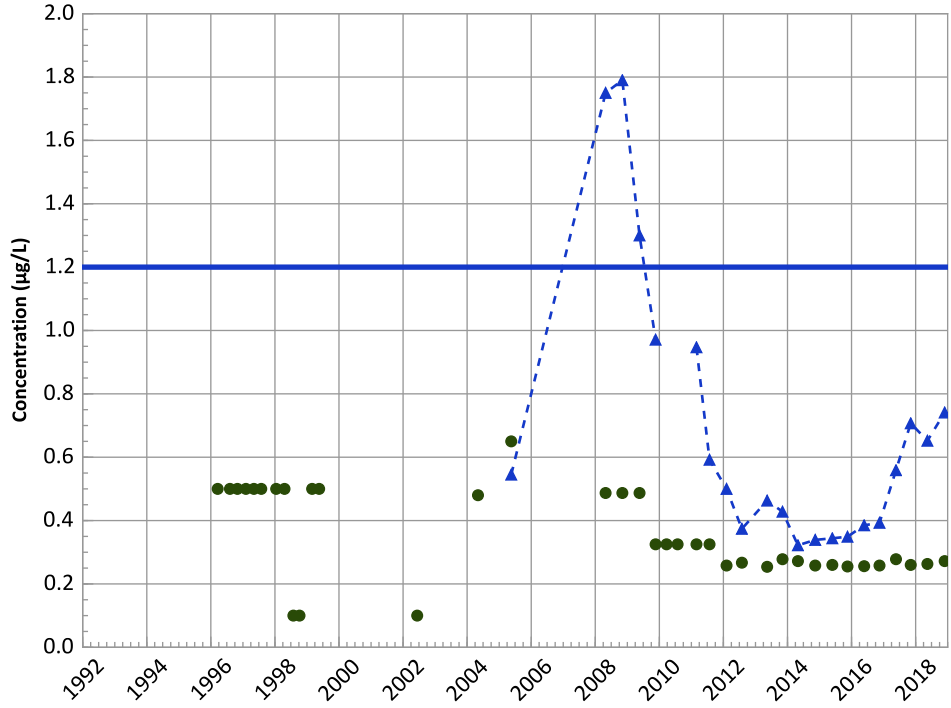
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

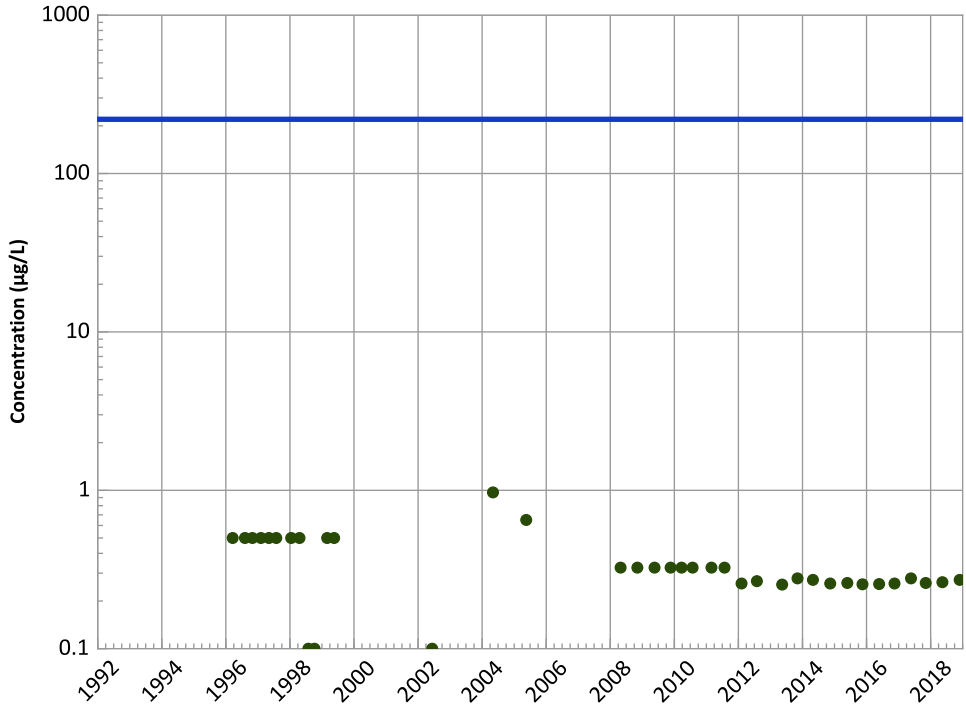
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

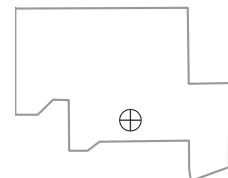
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

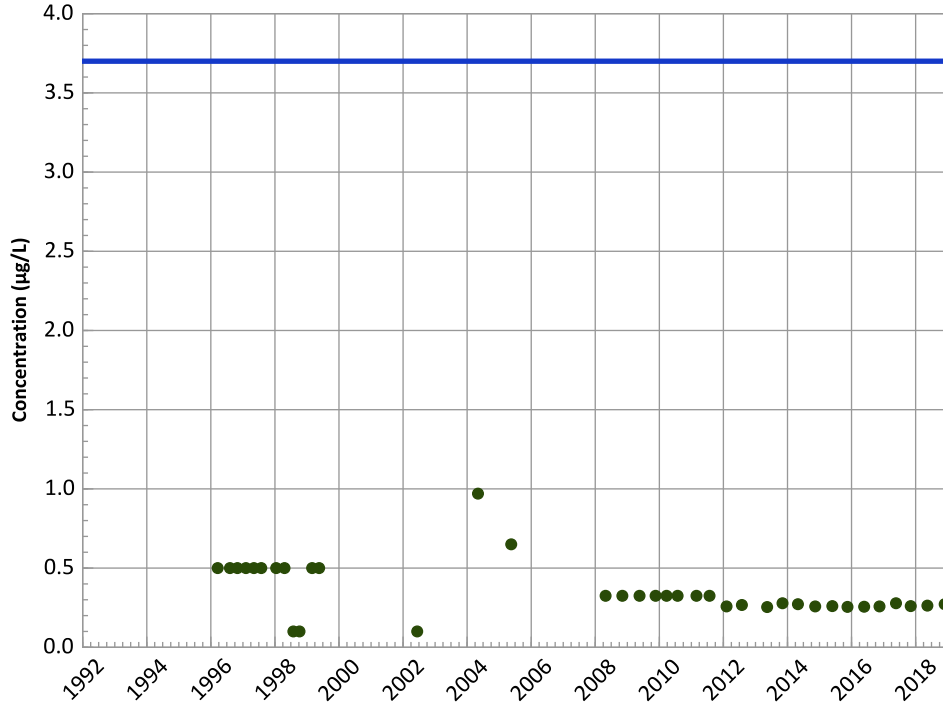
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

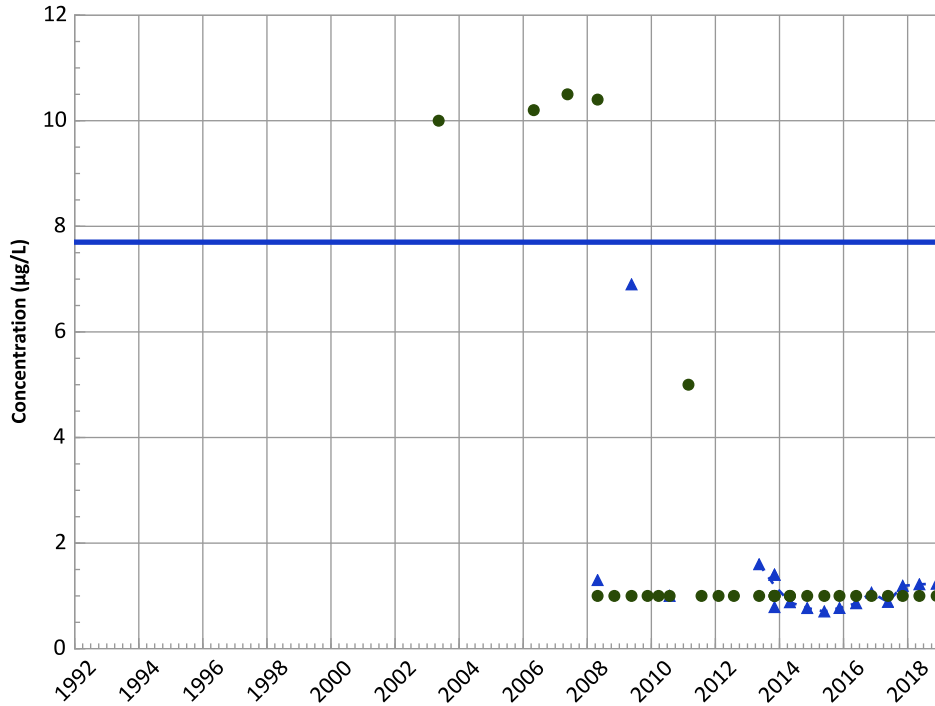
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Decreasing

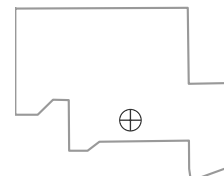
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

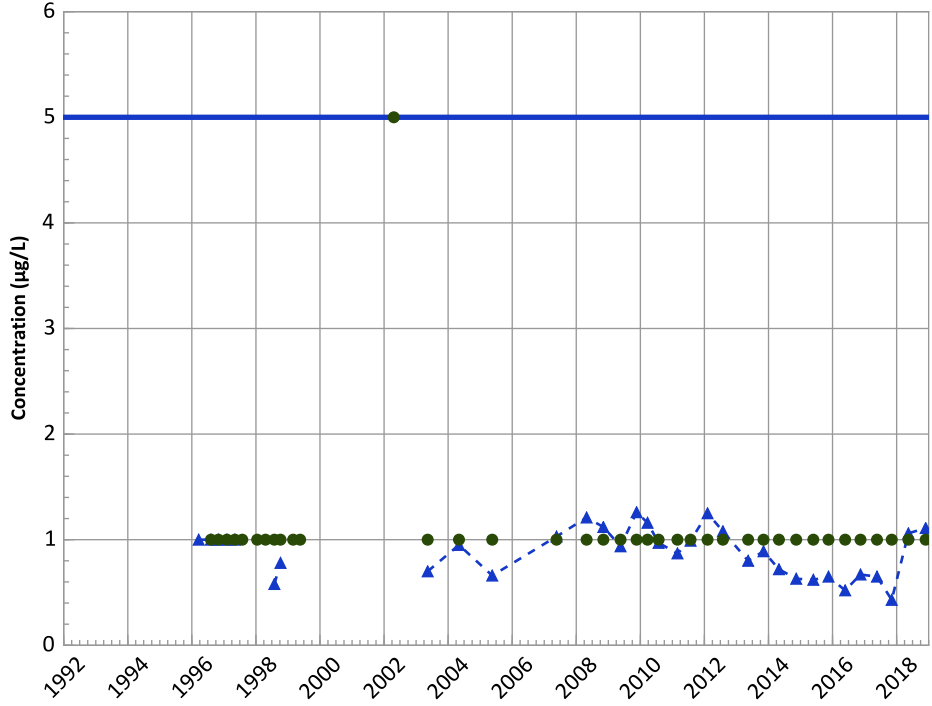
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

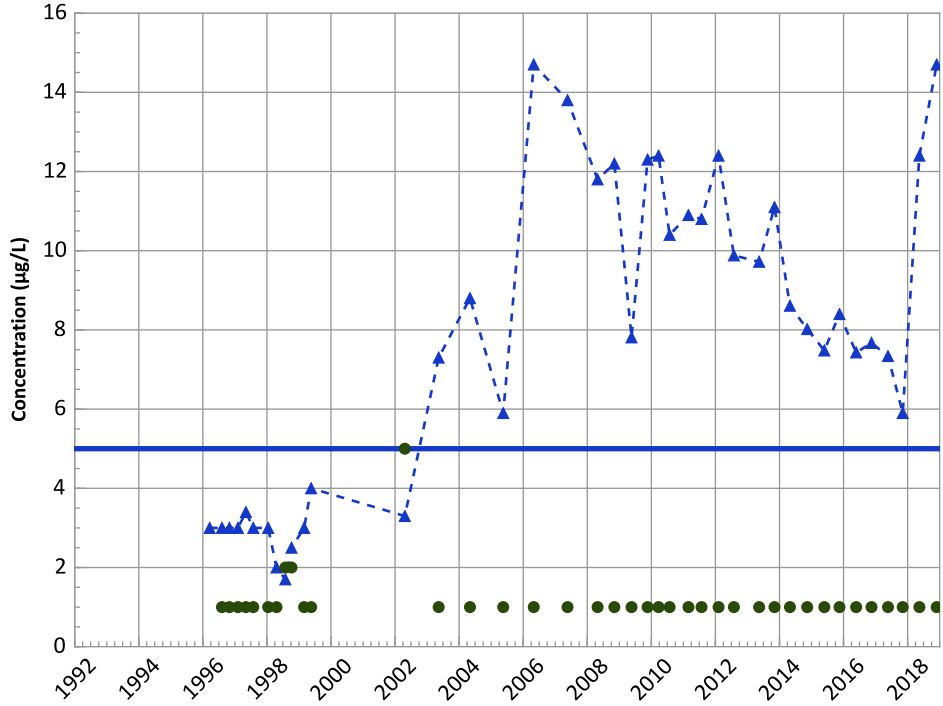
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

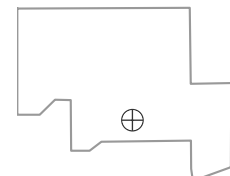
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

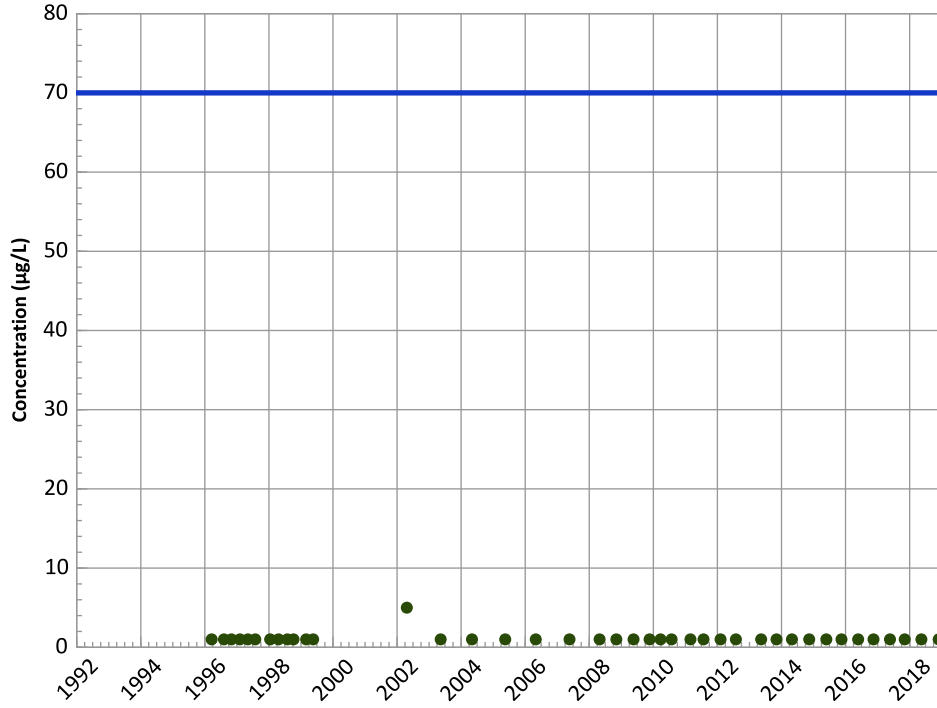
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

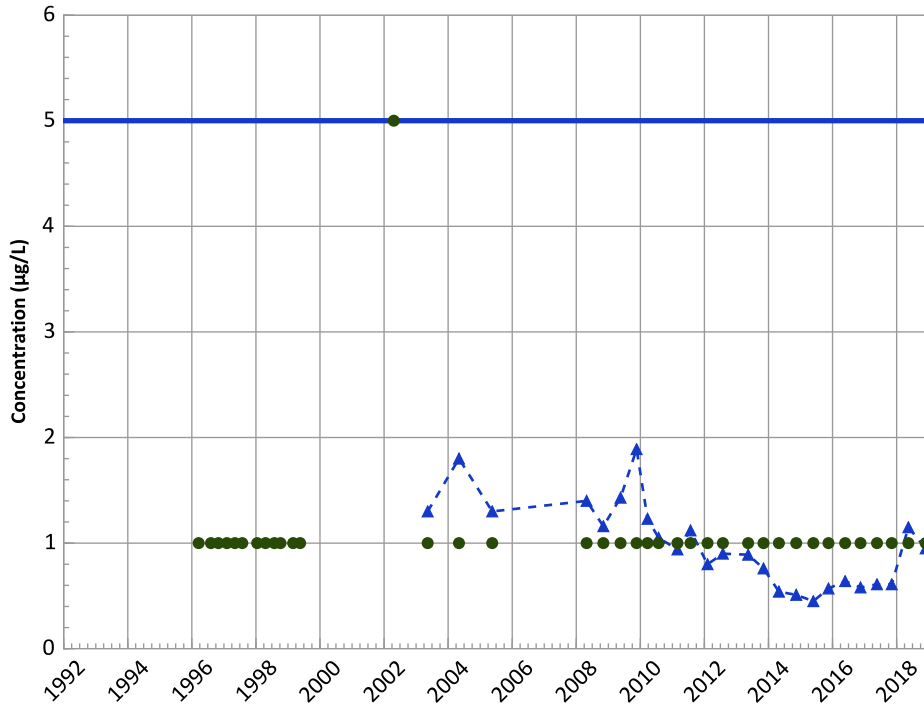
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

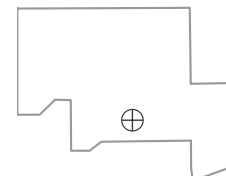
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

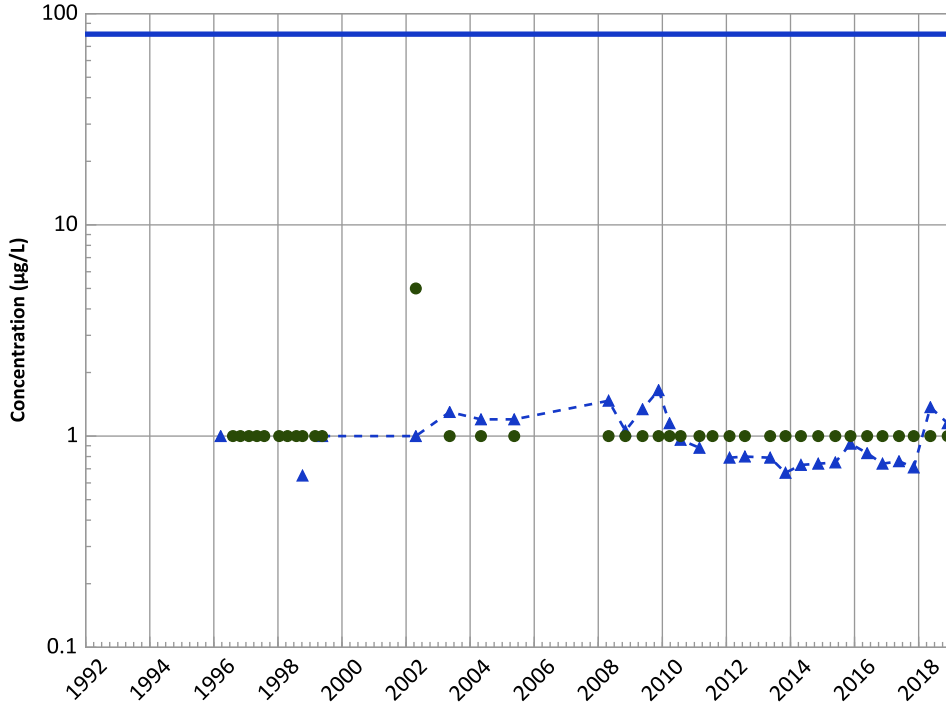


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

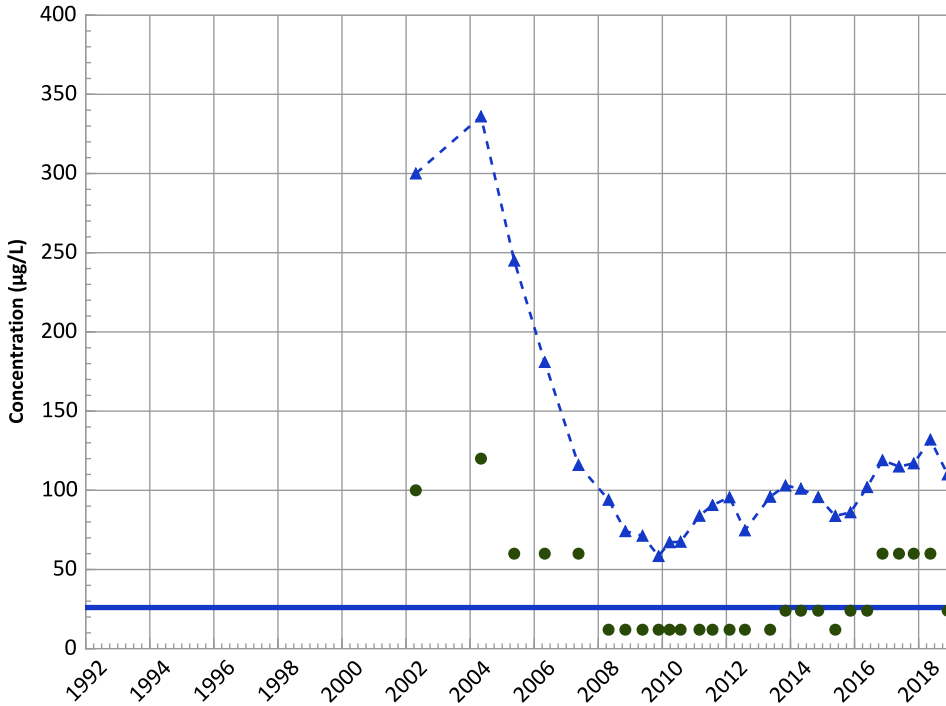
Data (2017 - 2021):

No Trend

All Data:

Probably Decreasing

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

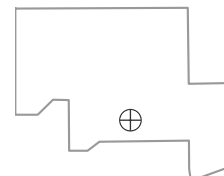
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

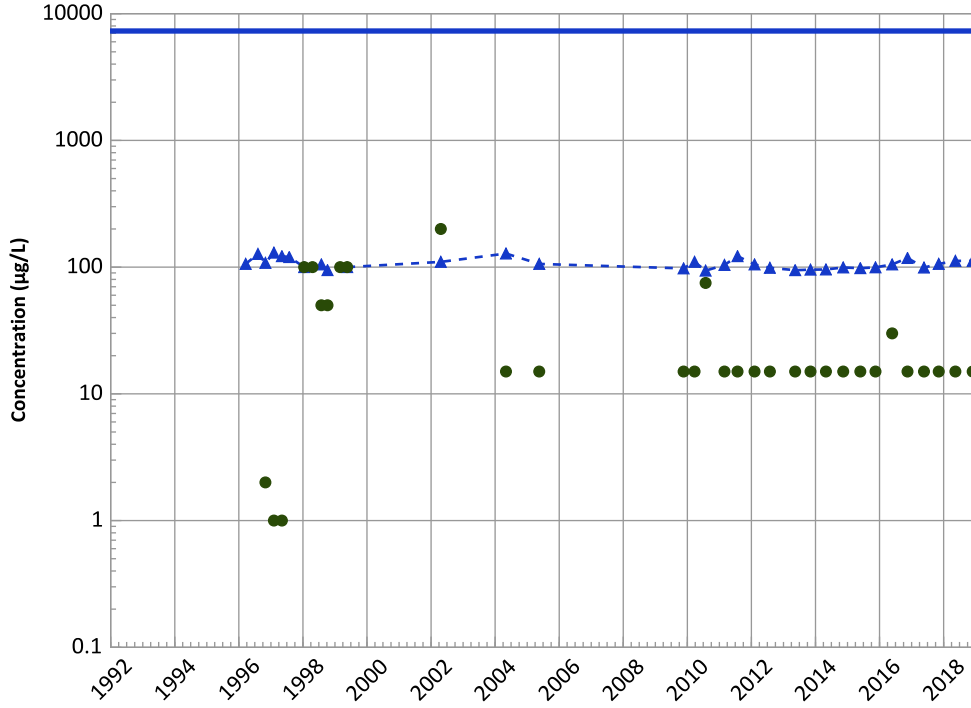
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



1114-MW4 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

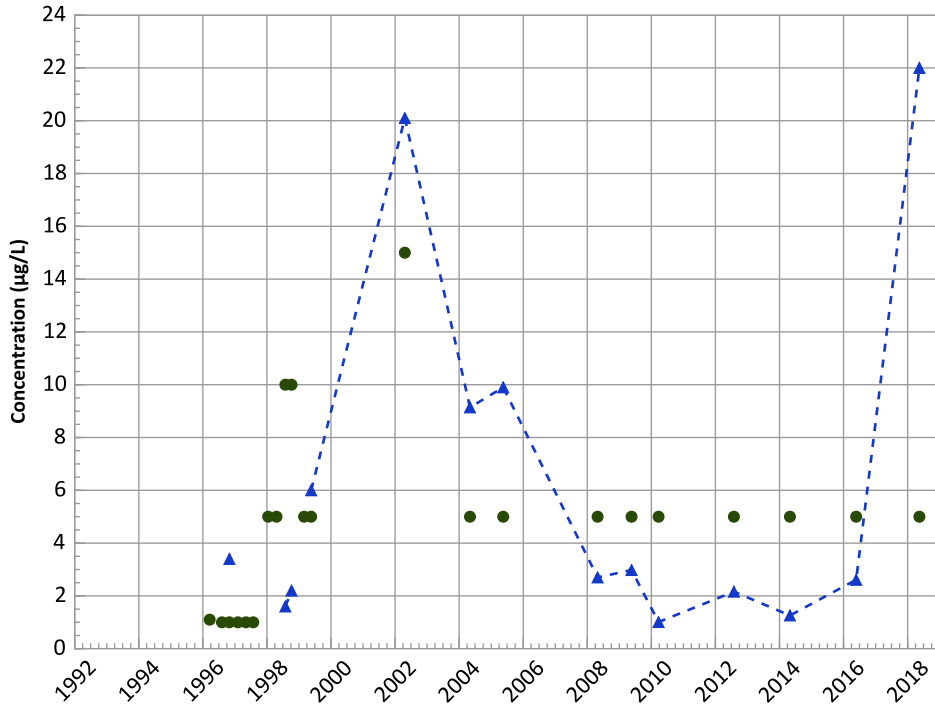
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Increasing

MAROS Linear Regression Method

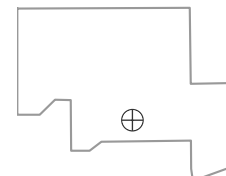
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

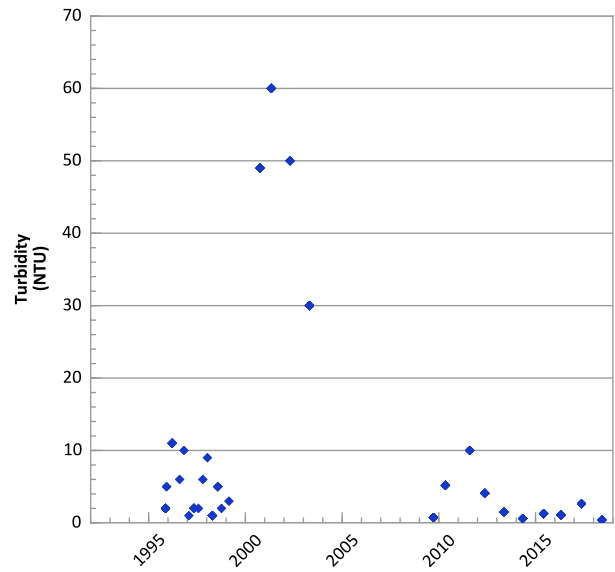
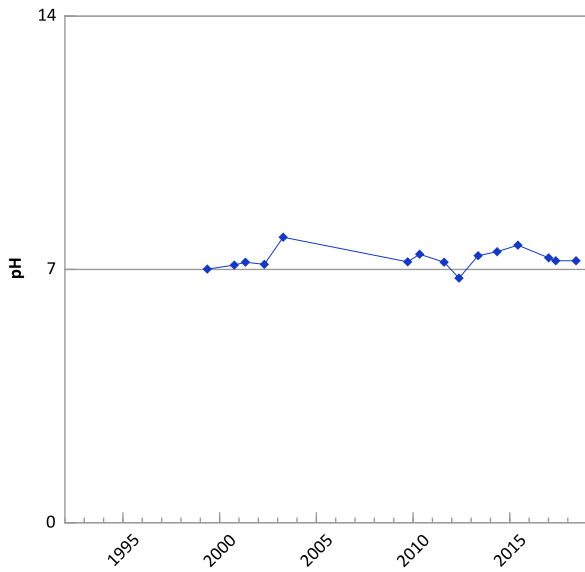
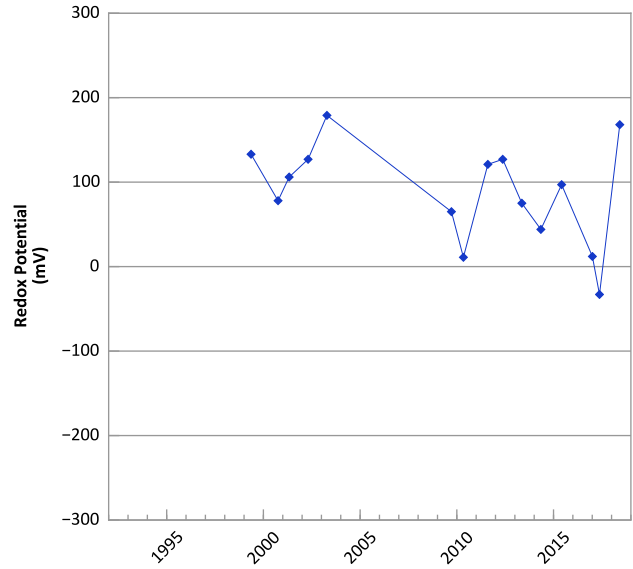
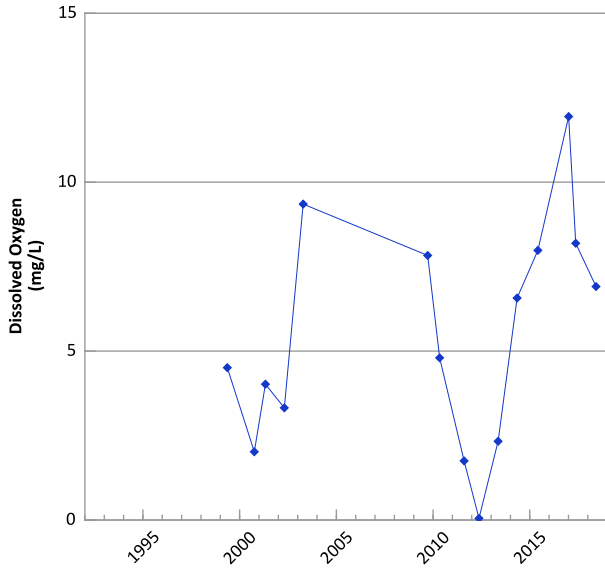
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/19/1996 to 11/28/2018
Analysis Date: 02/14/2019

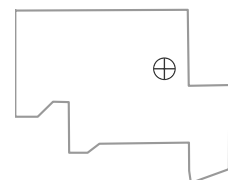
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



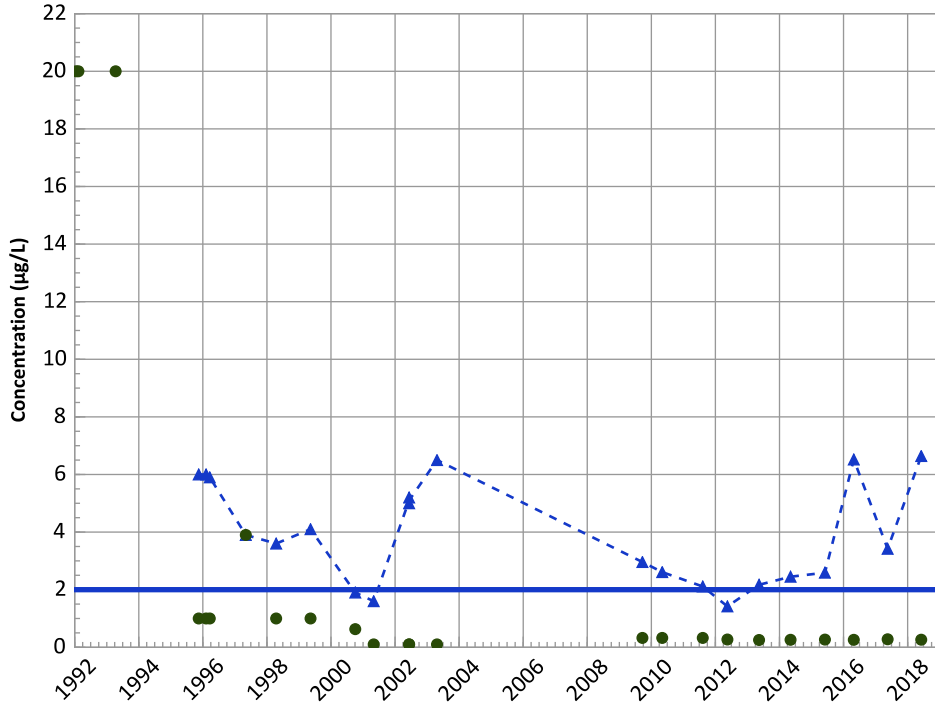
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 01/16/1992 to 06/05/2018
 Analysis Date: 02/14/2019

Well Location



OW-WR-38 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 (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

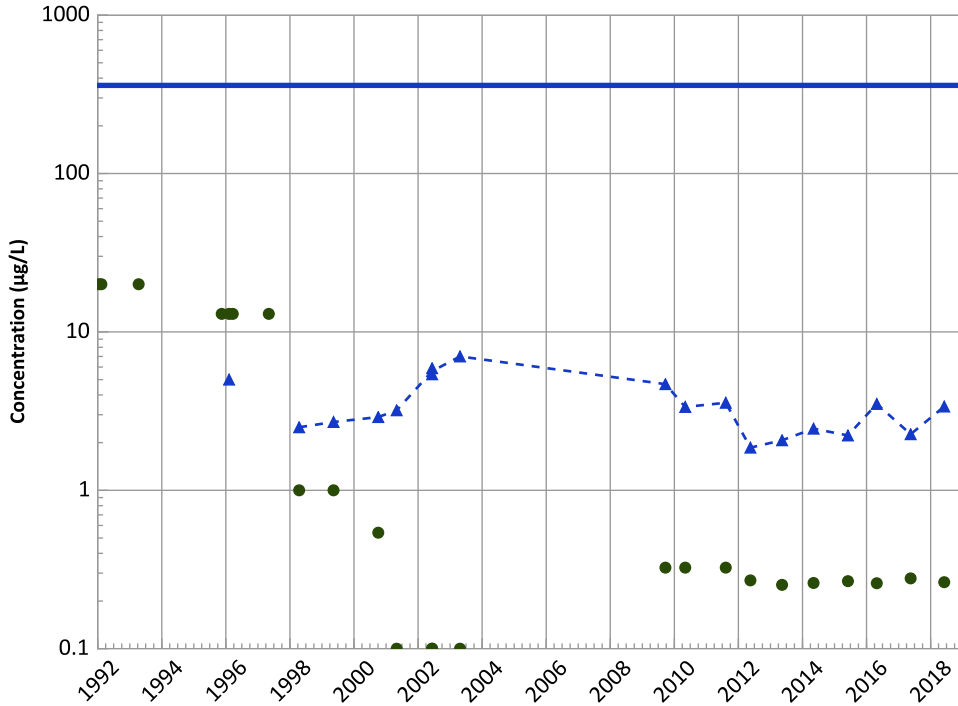
Data (2017 - 2021):

Increasing

All Data:

Stable

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

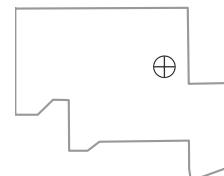
All Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

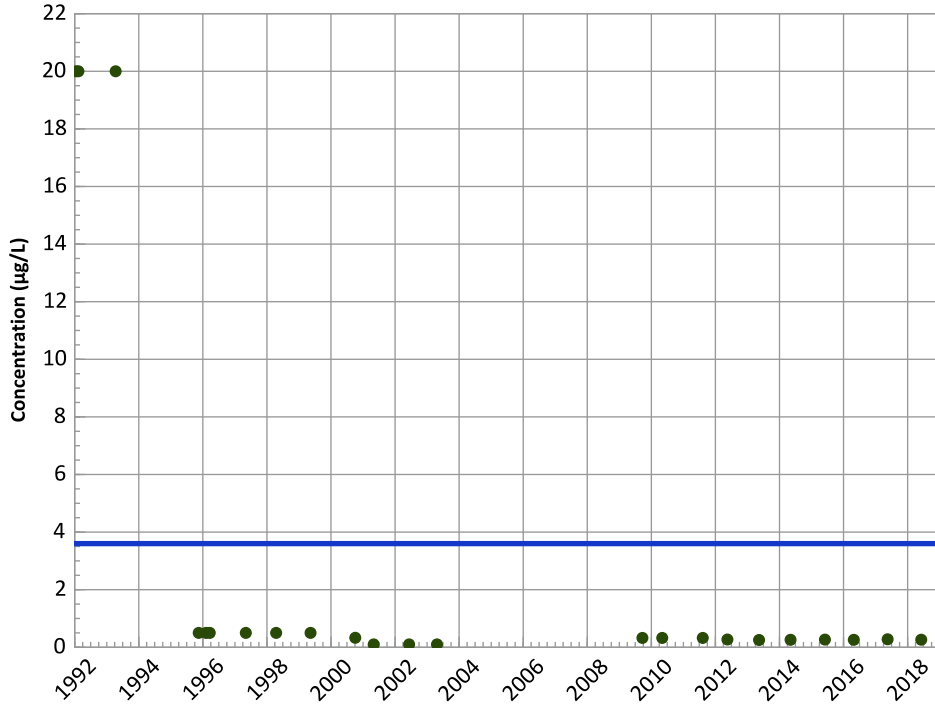
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

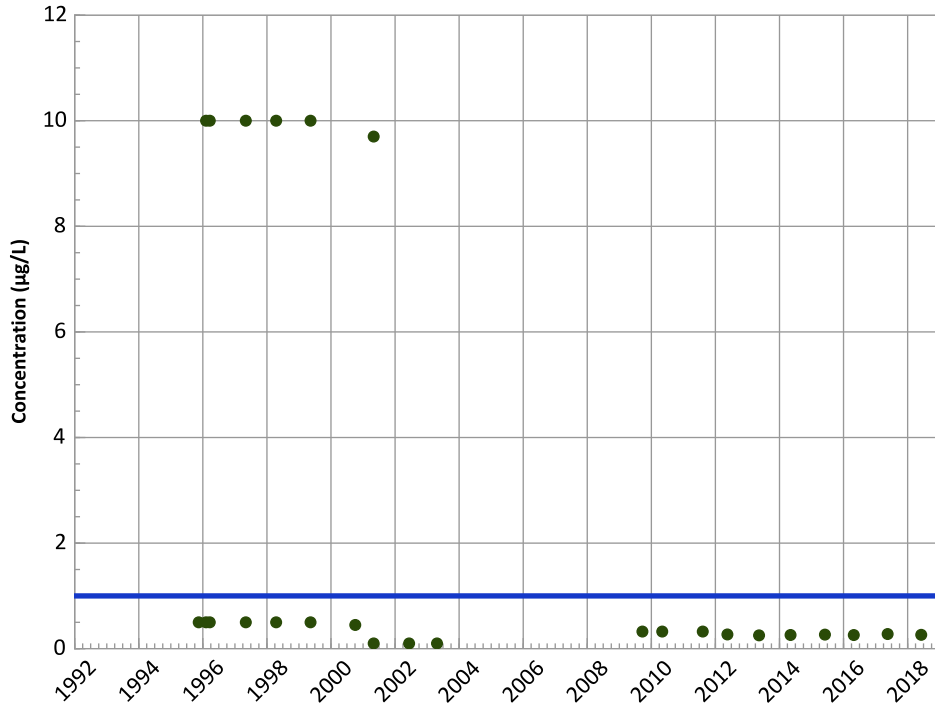
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

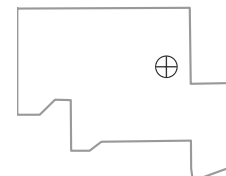
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

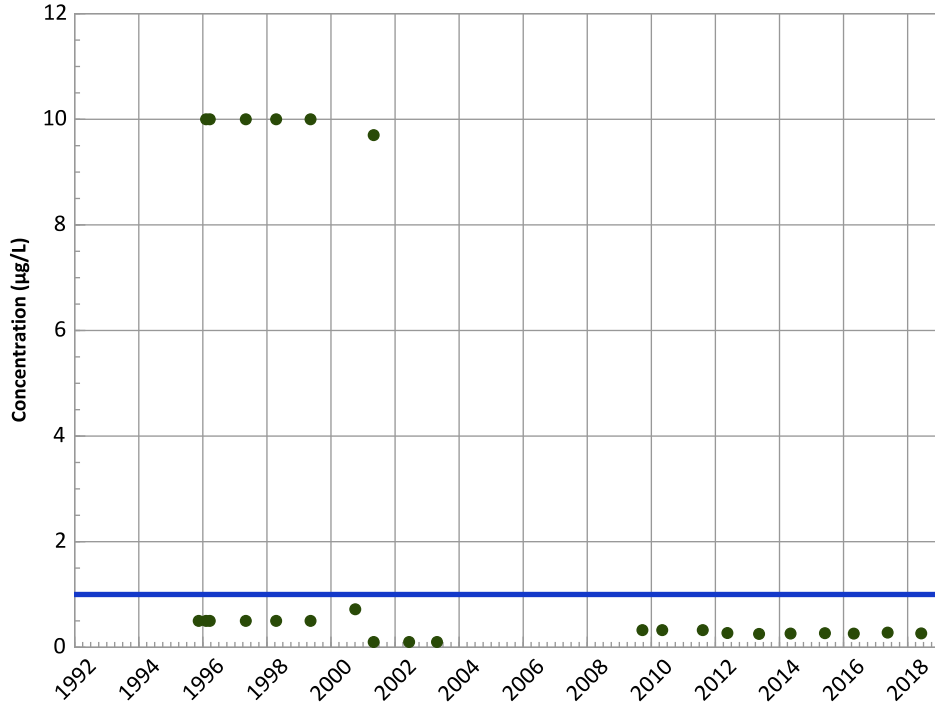
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

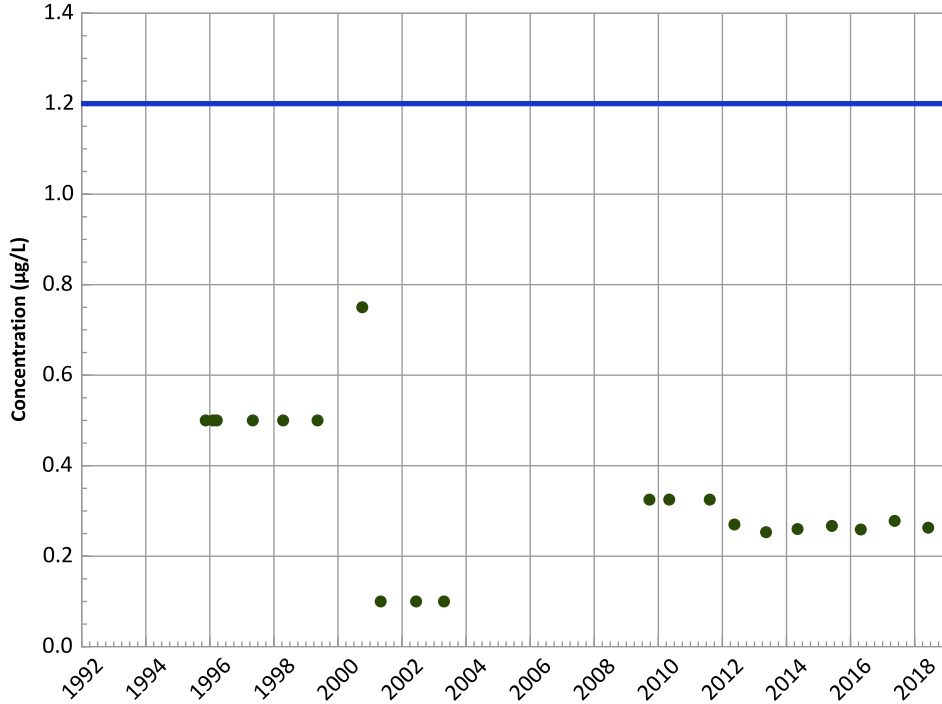
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

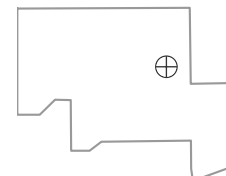
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

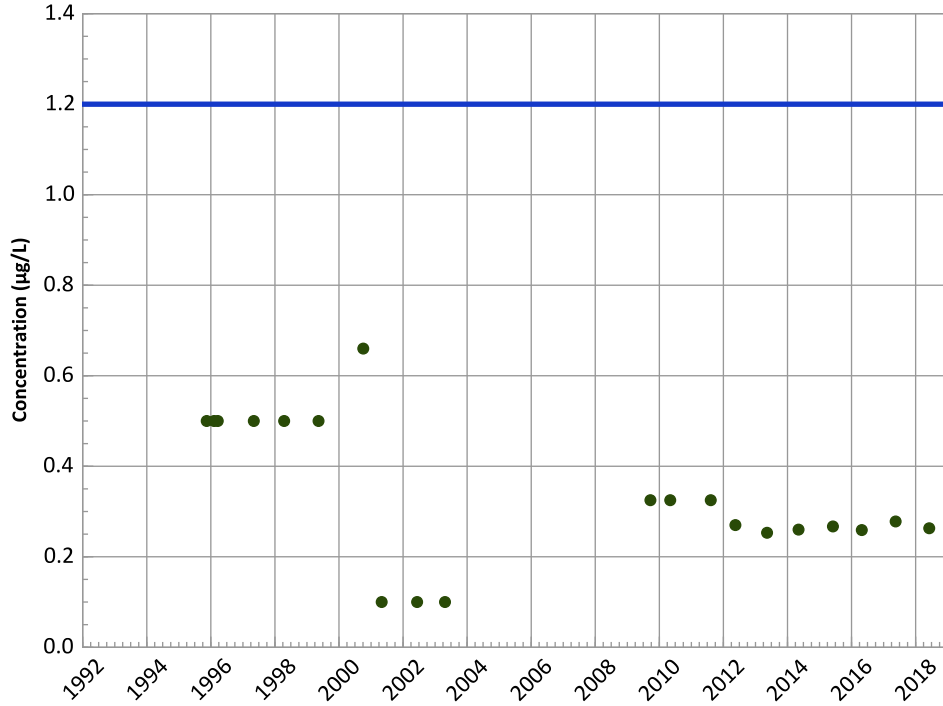
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

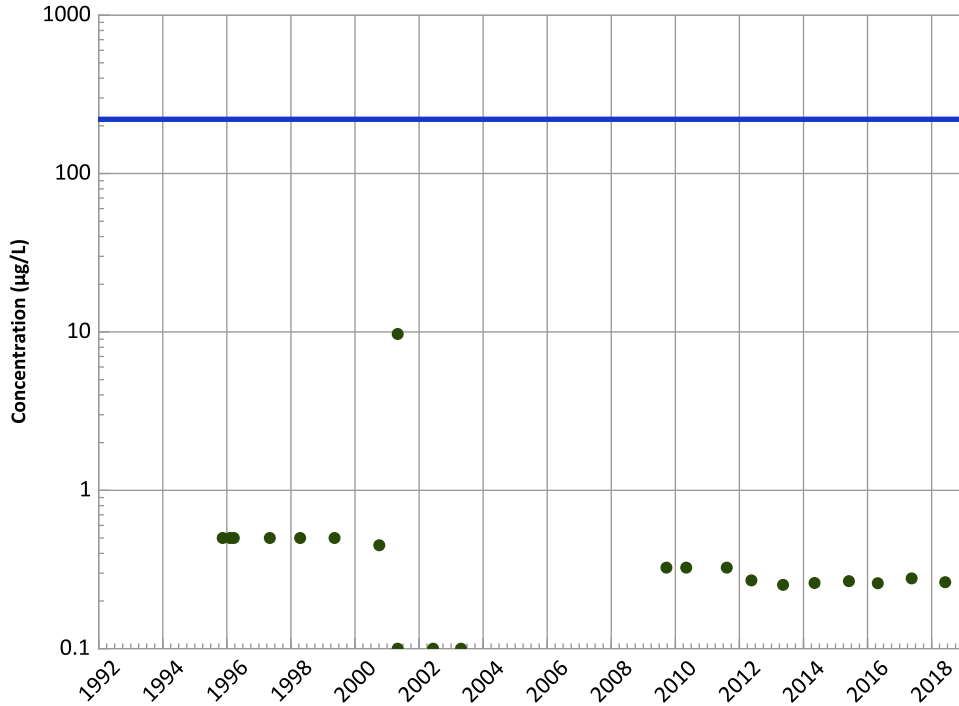
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

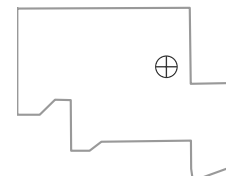
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

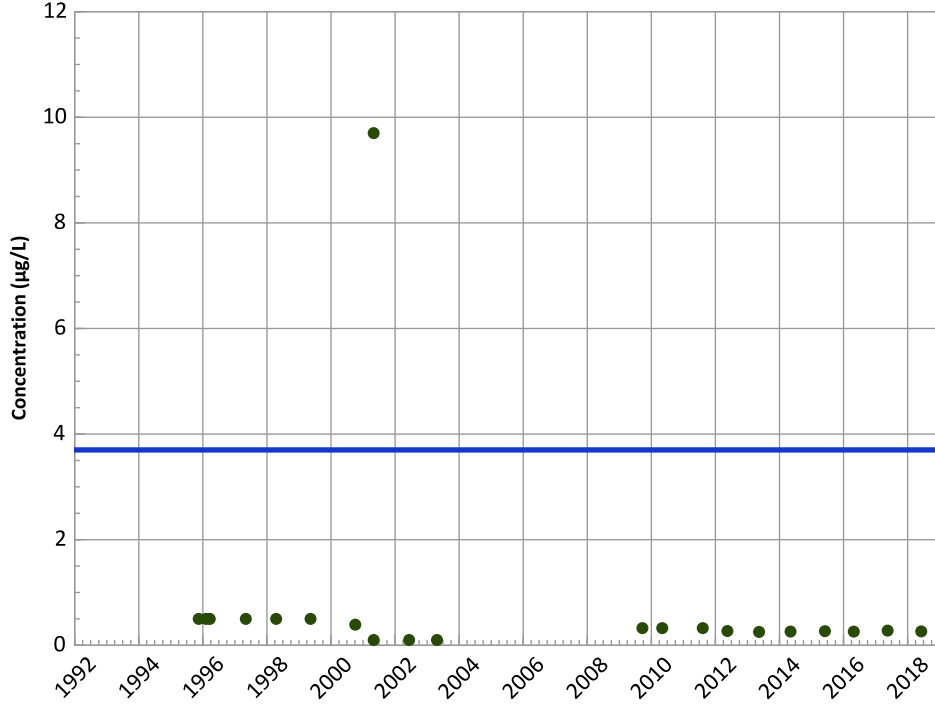
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

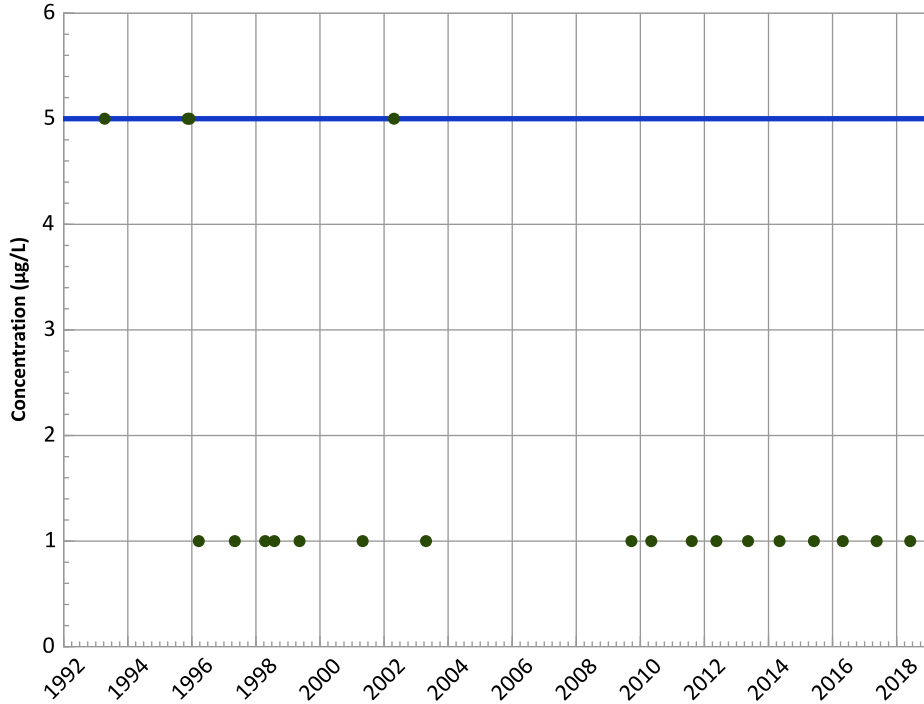
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

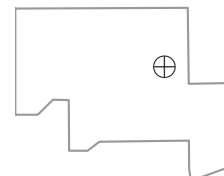
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

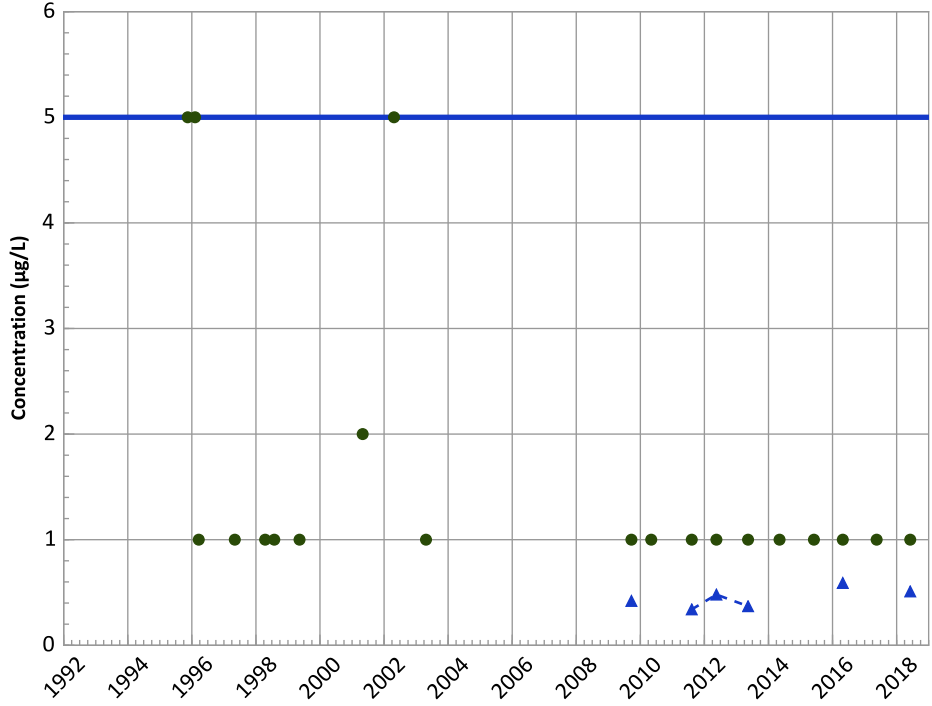
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Trichloroethene Trend

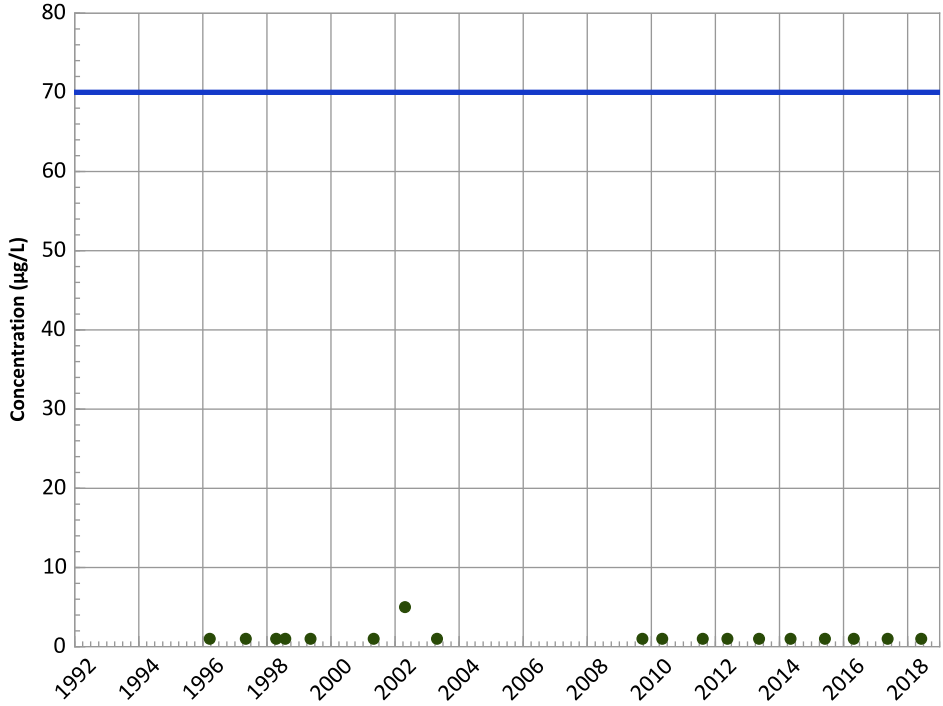


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

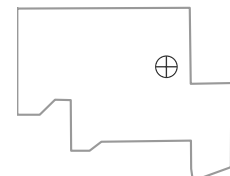
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

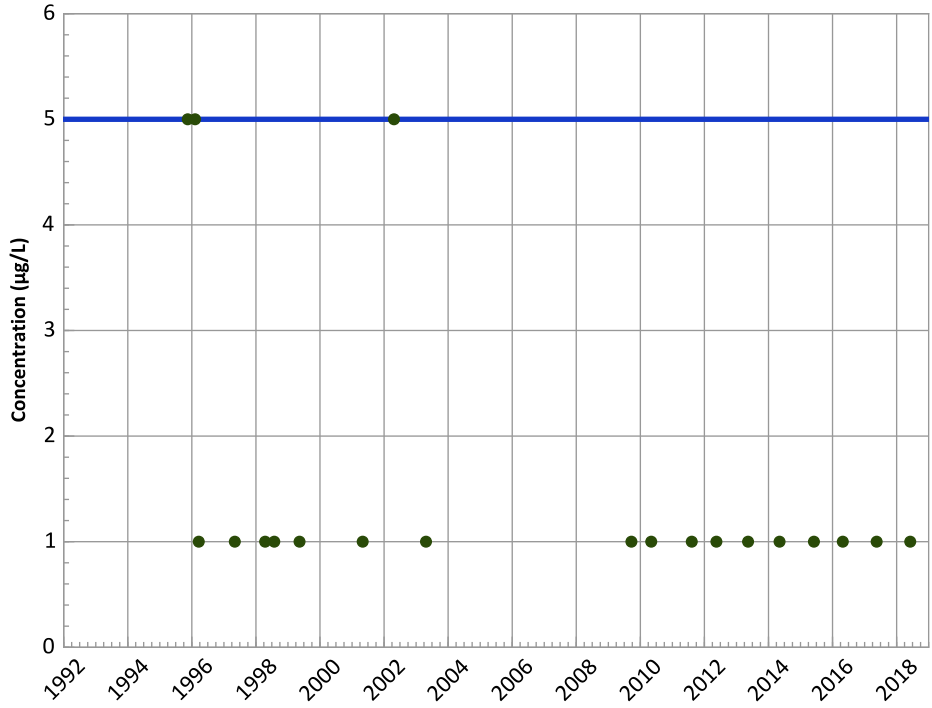
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

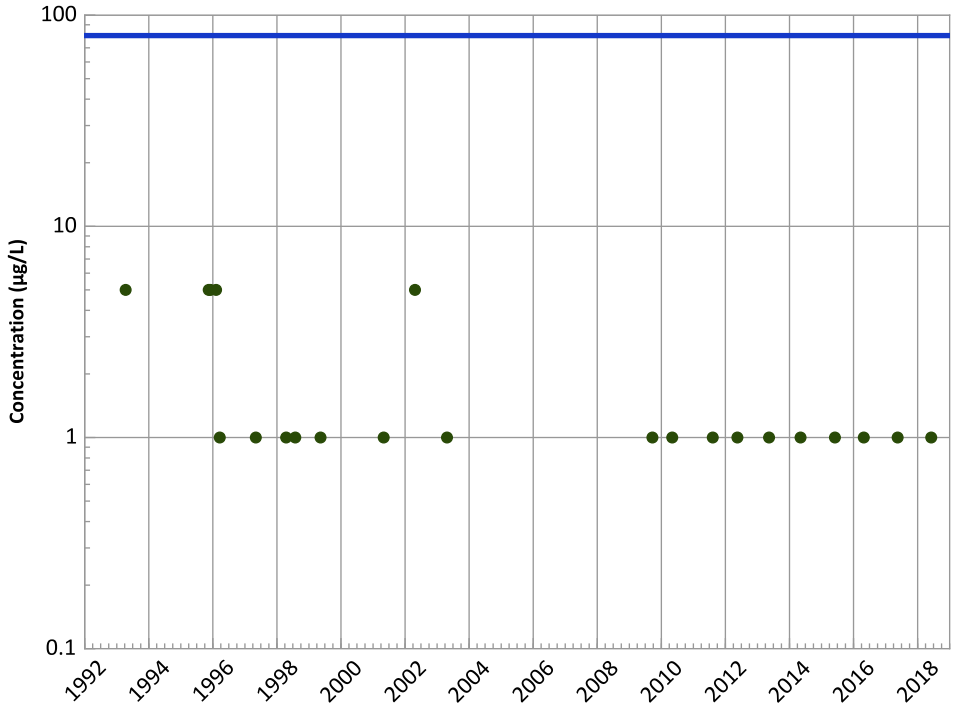
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

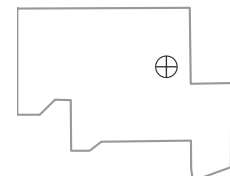
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

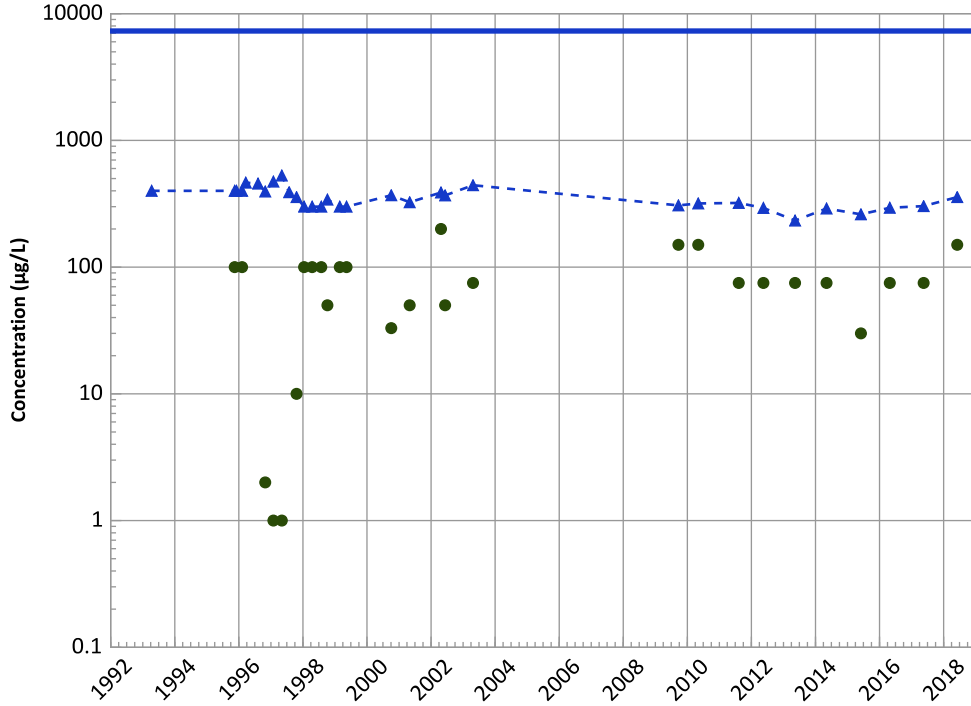
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Boron Trend

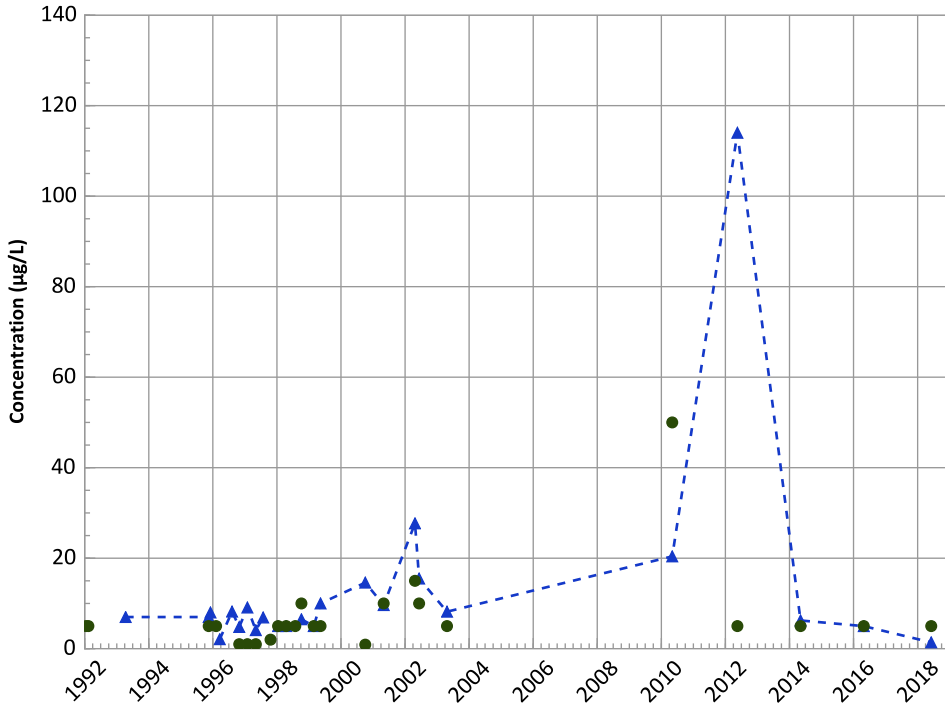


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

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

Manganese Trend



Concentration Trend

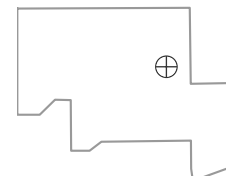
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

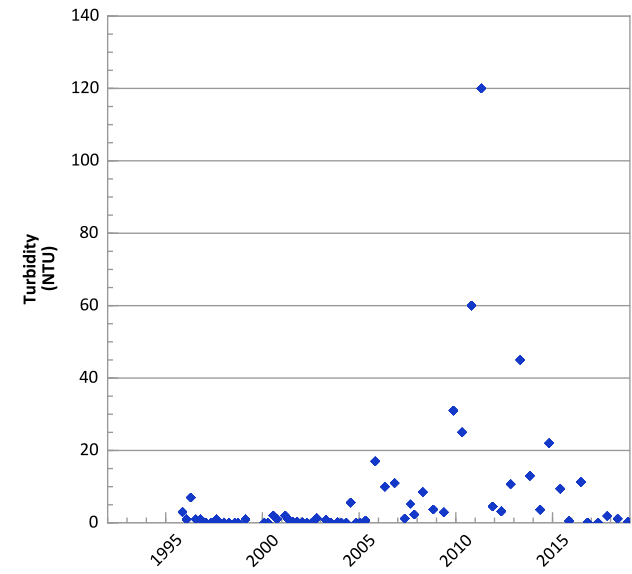
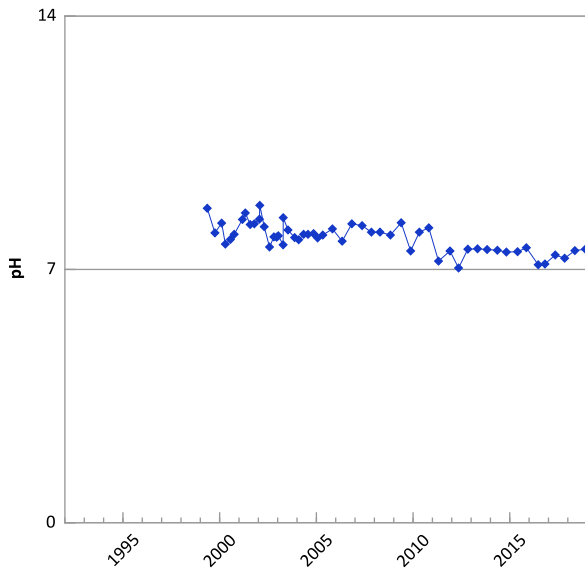
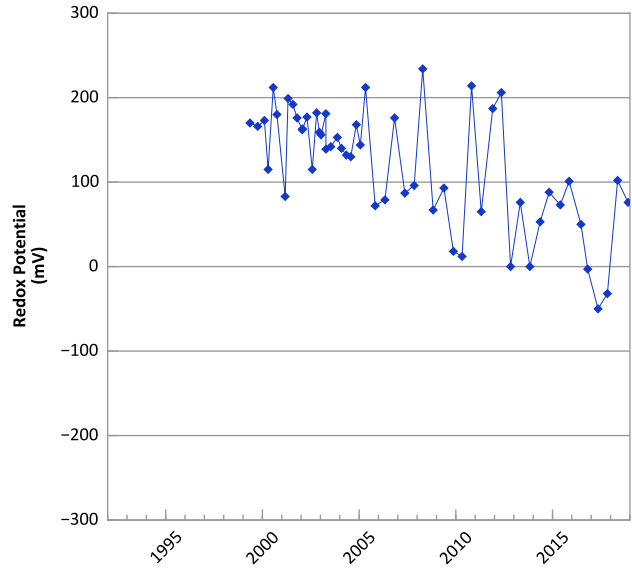
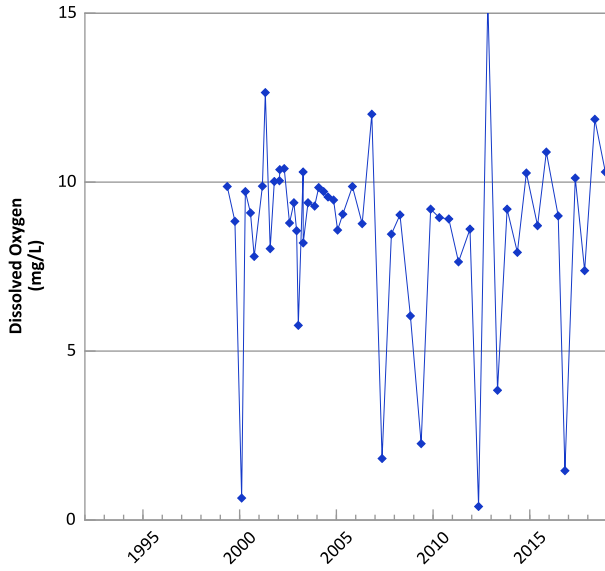
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/16/1992 to 06/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

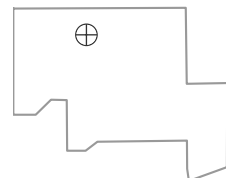


**PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



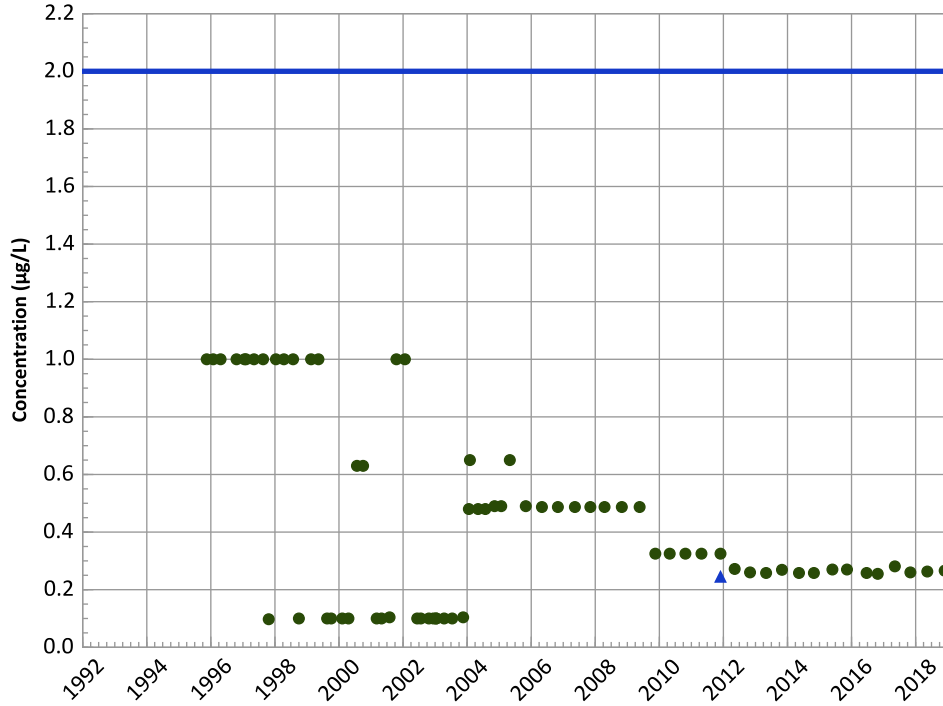
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/15/1995 to 11/28/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

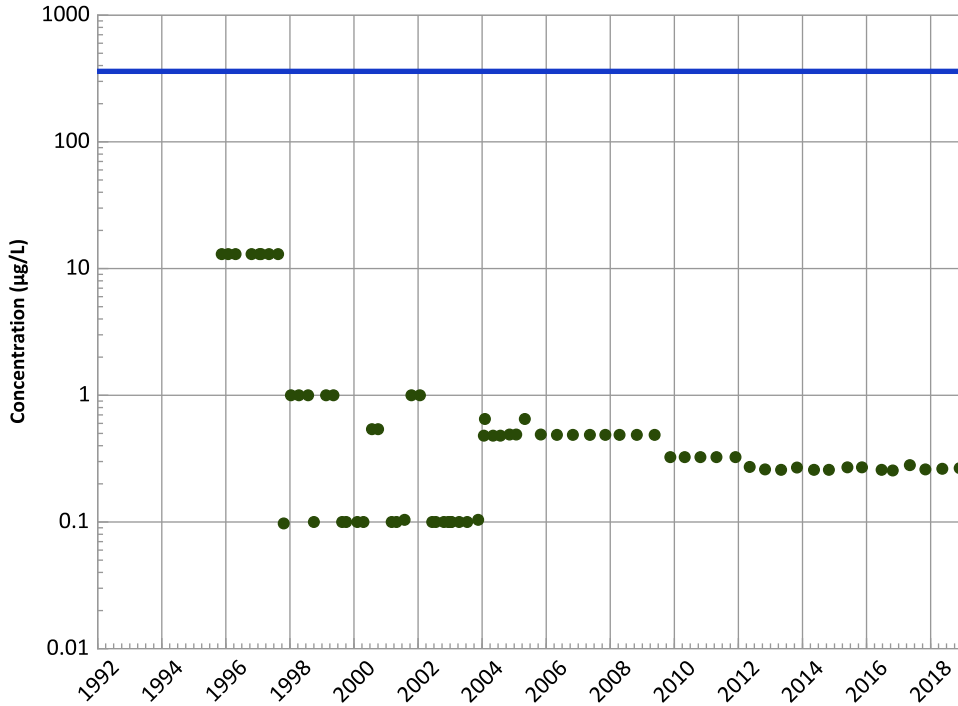
Data (2017 - 2021):

All Non-Detect

All 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

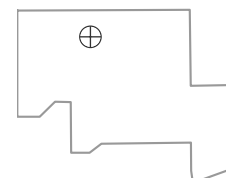
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

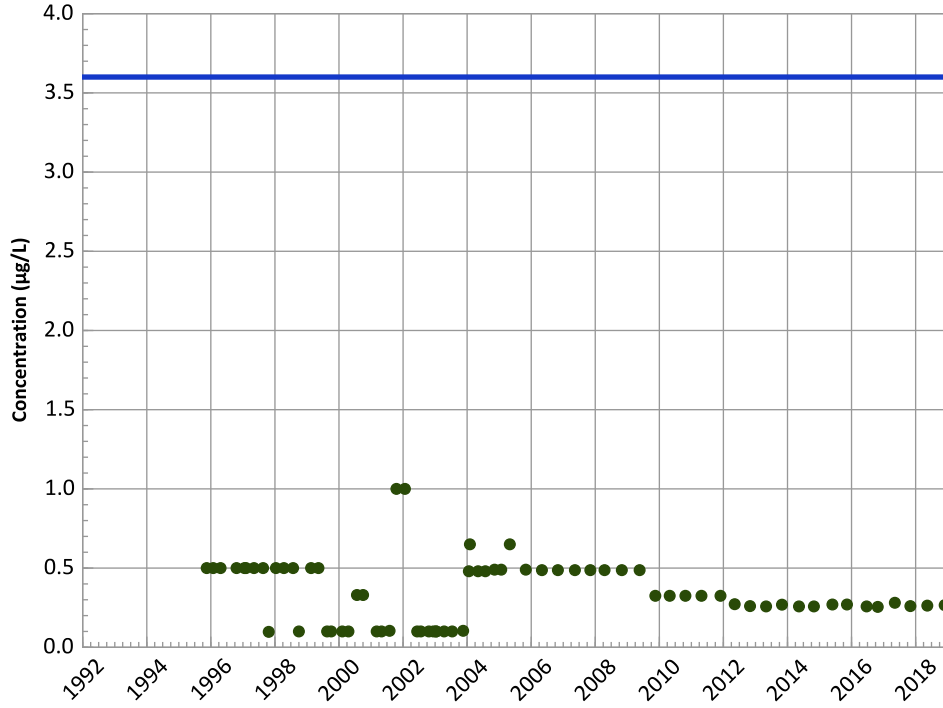


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

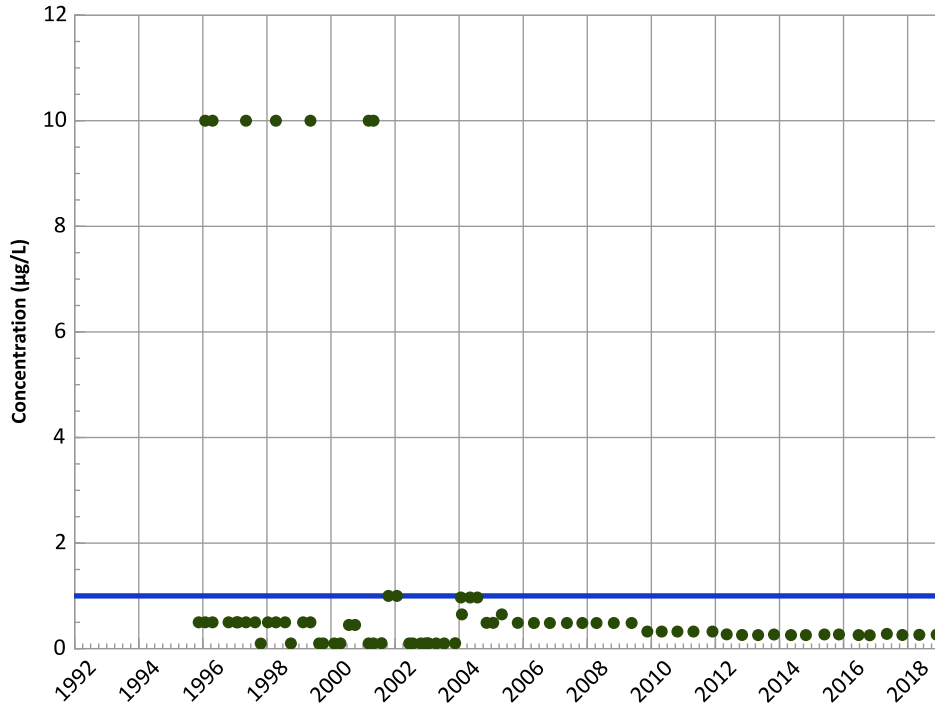
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

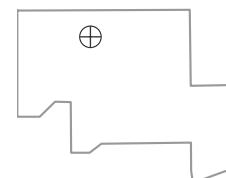
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

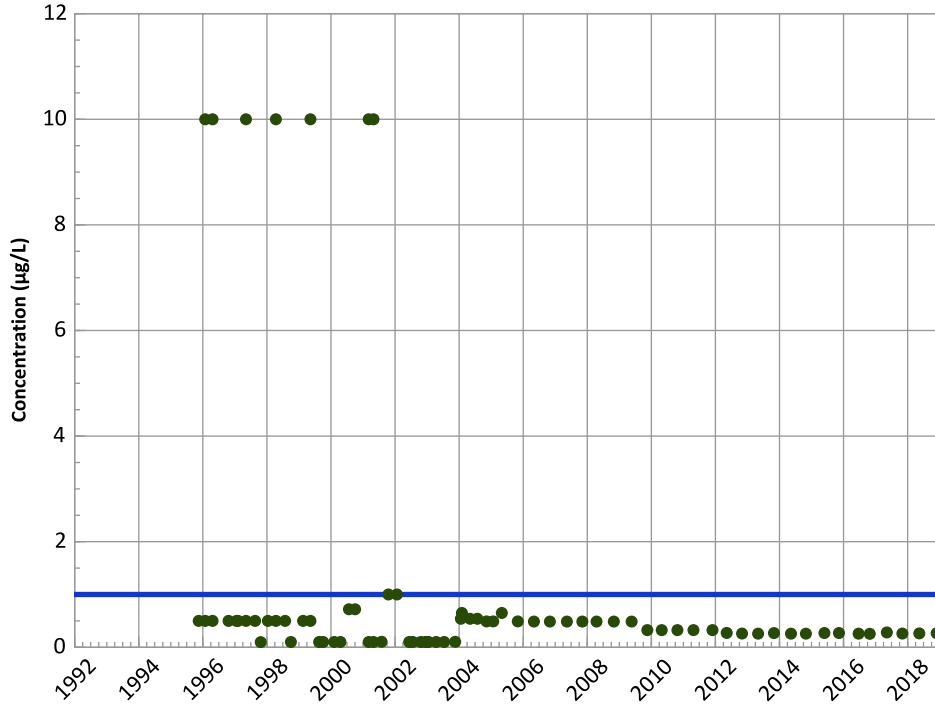
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

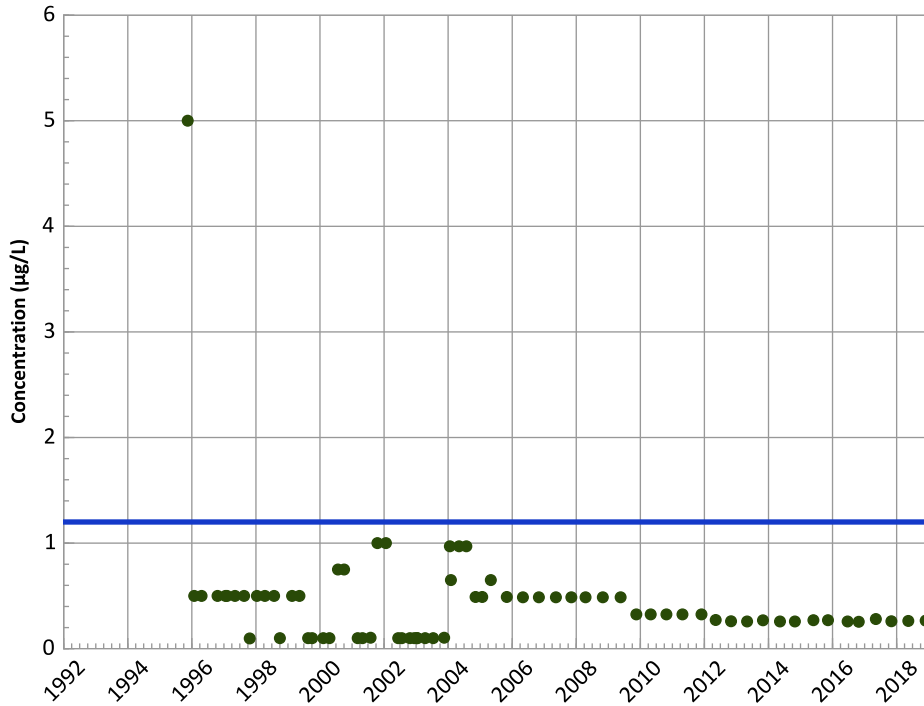
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

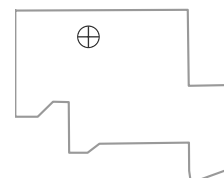
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

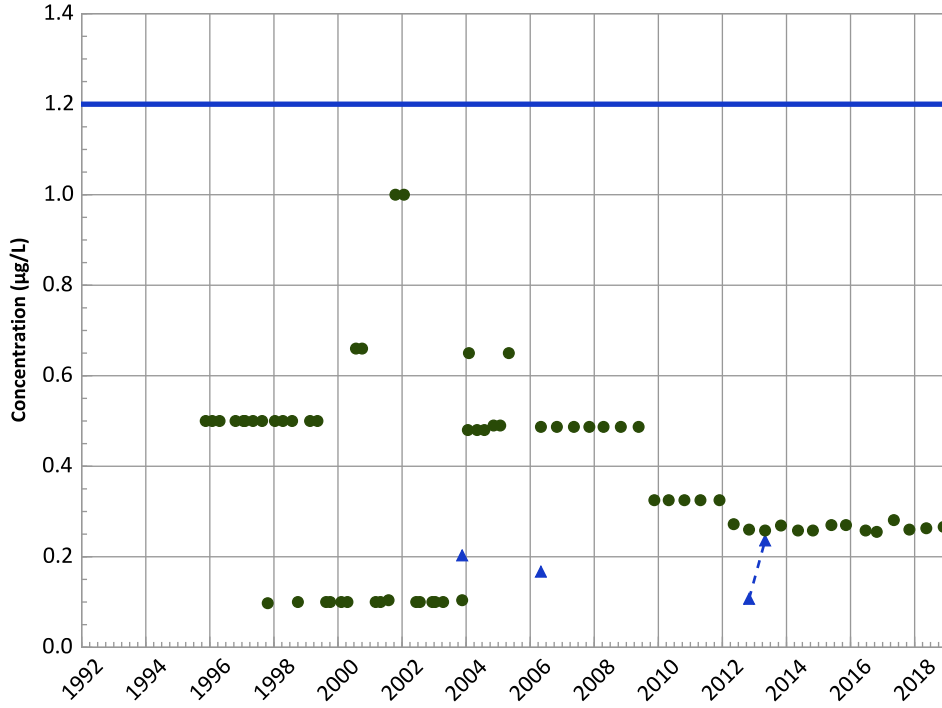
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

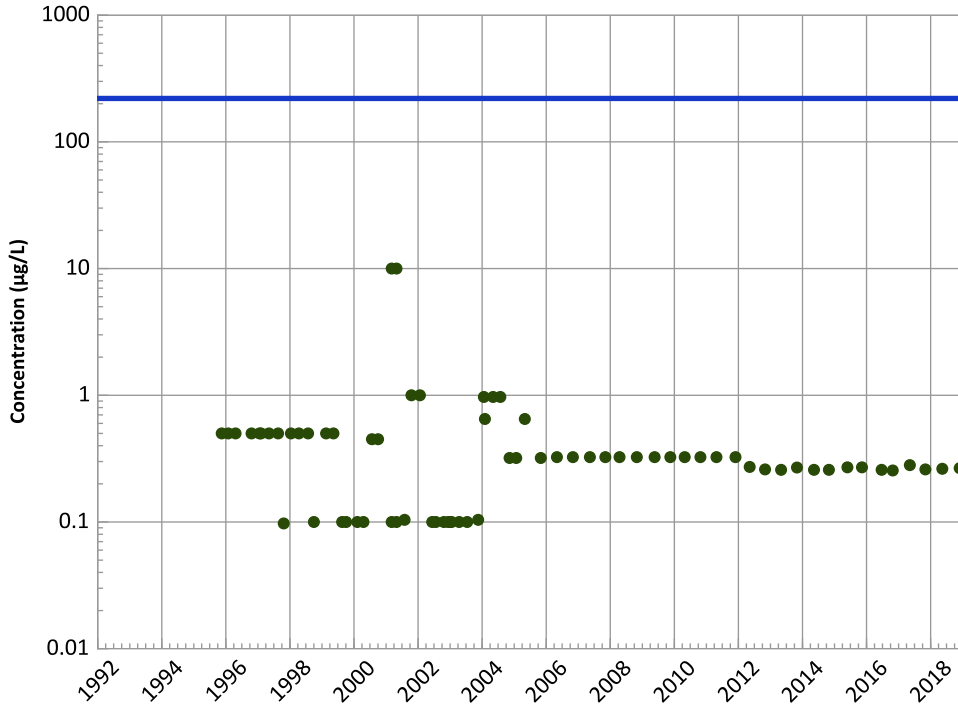


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

1,3,5-Trinitrobenzene Trend

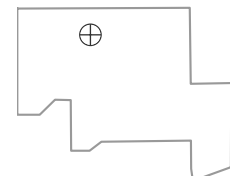


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

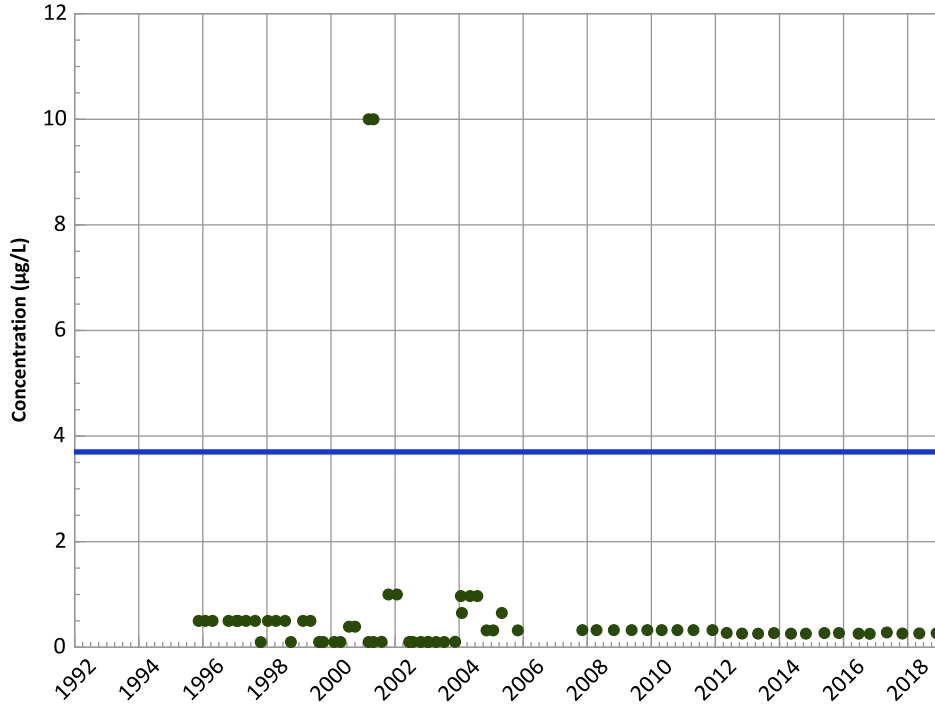


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

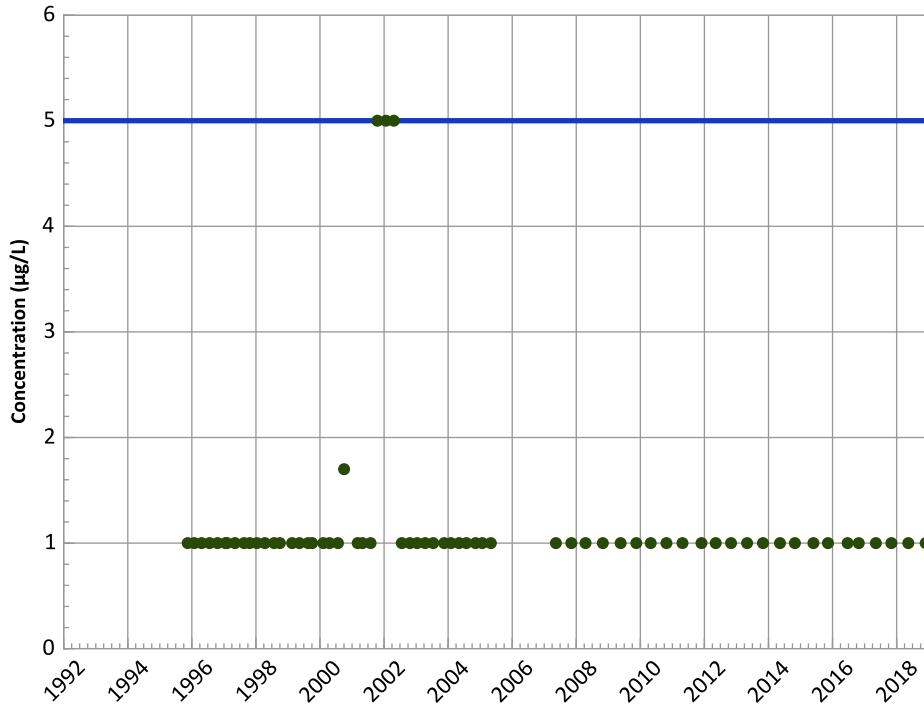
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

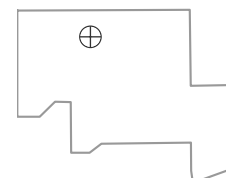
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

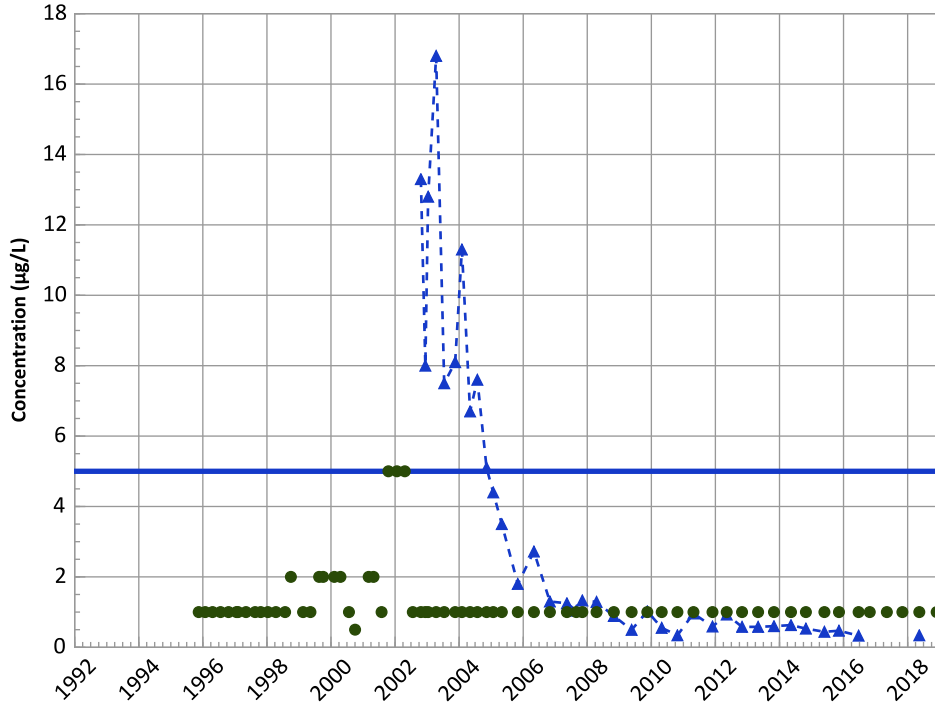


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

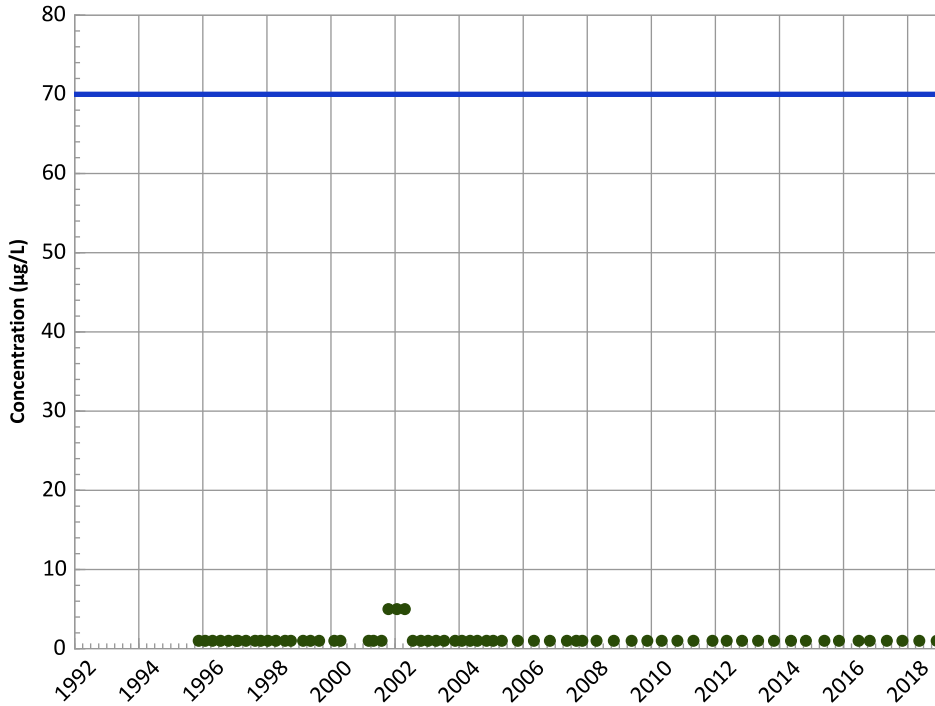


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

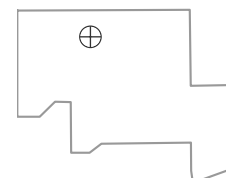
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

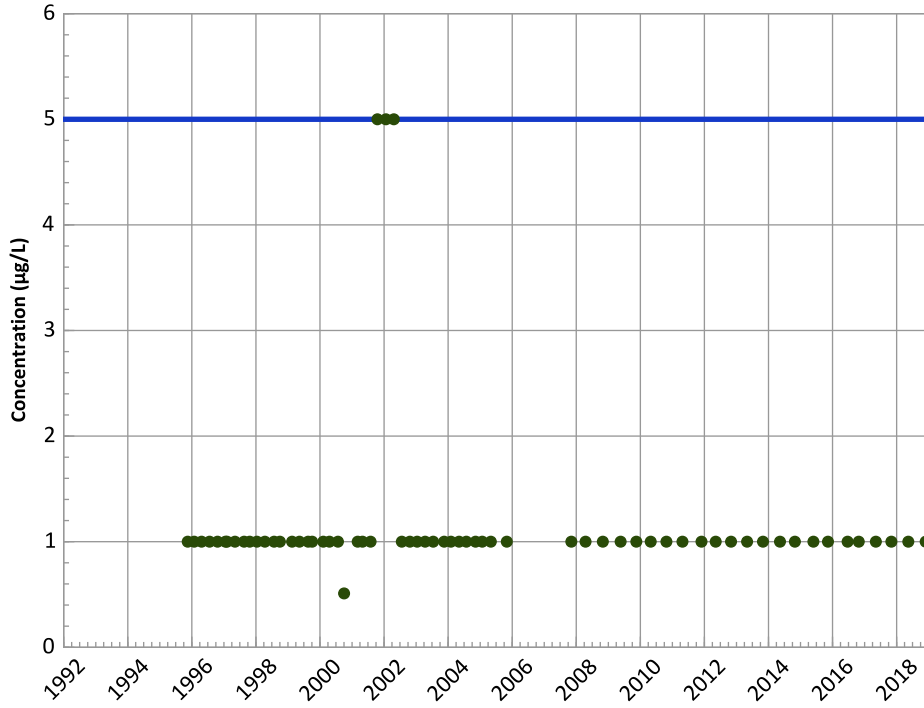
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

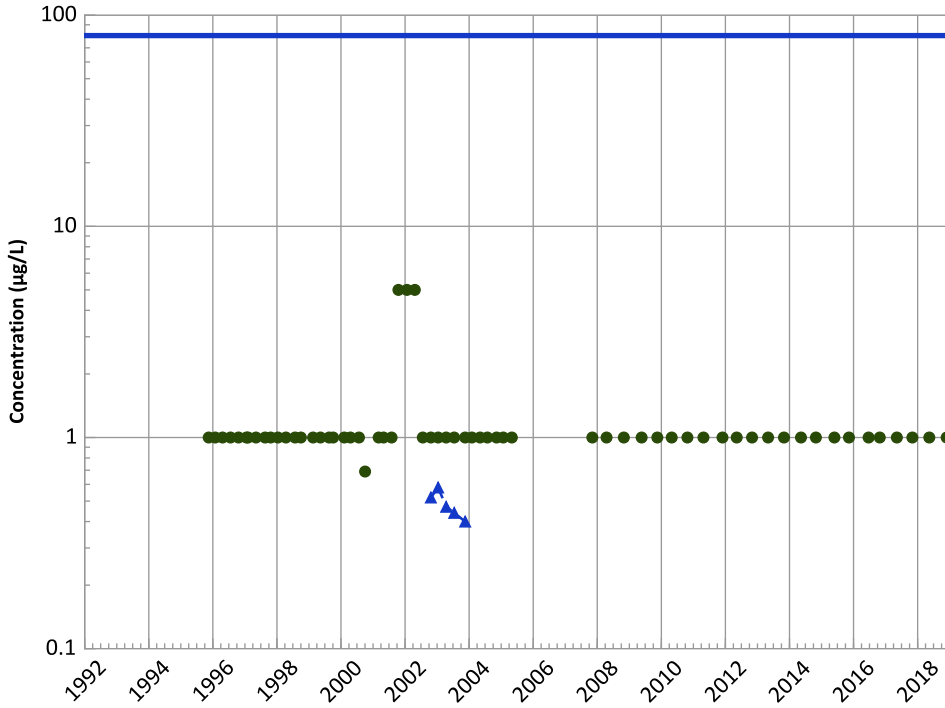
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

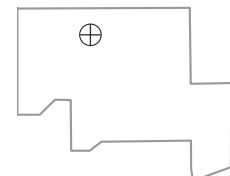
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

Well Location

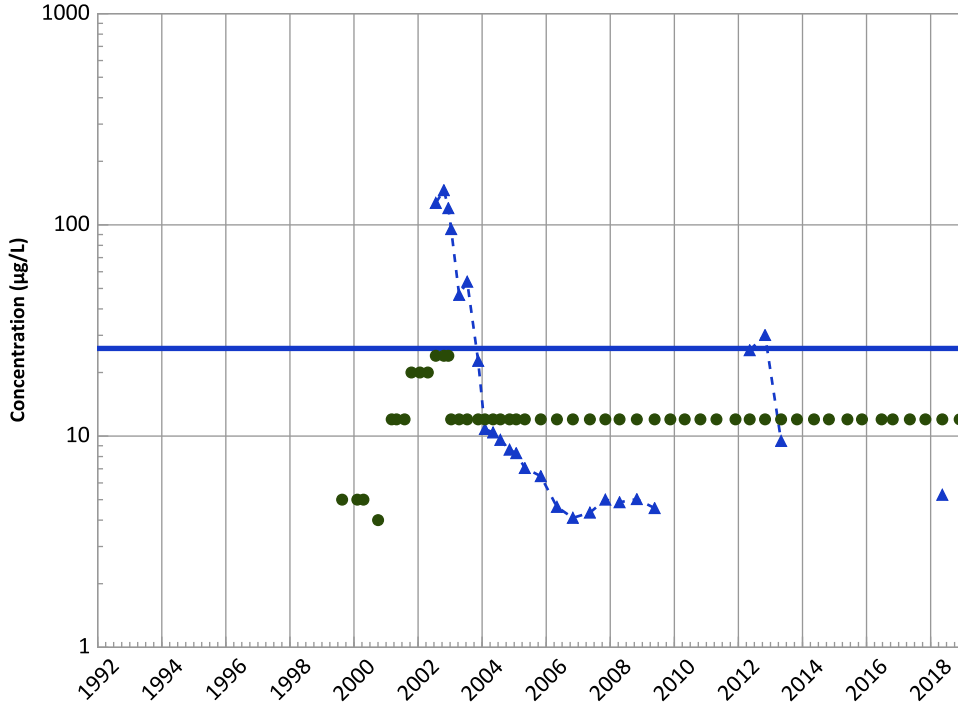


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend

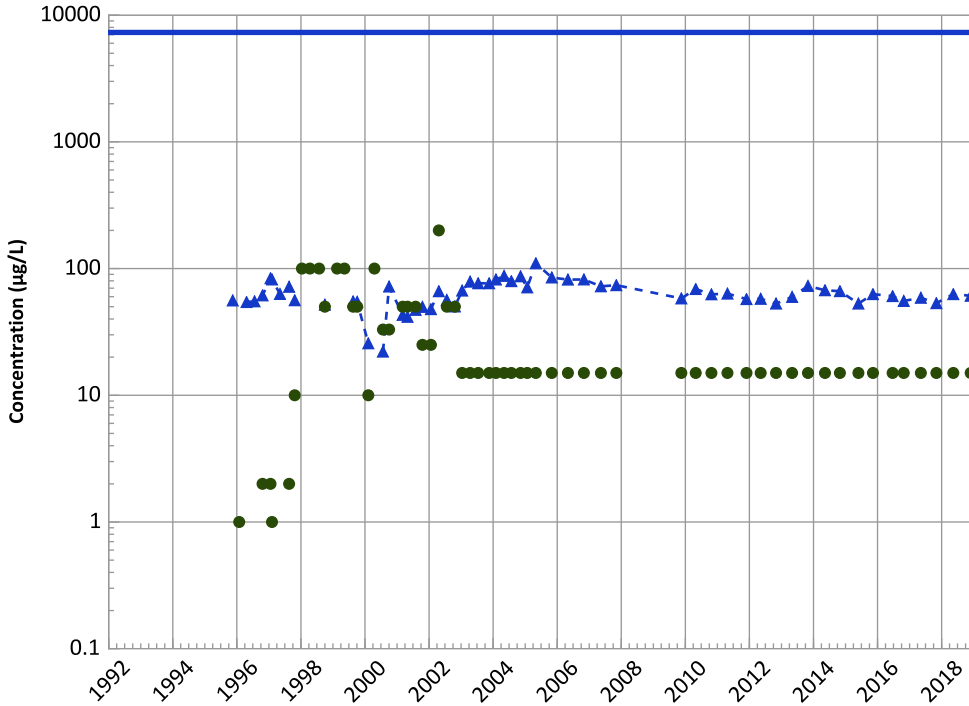


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Boron Trend



Concentration Trend

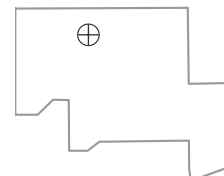
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

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

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

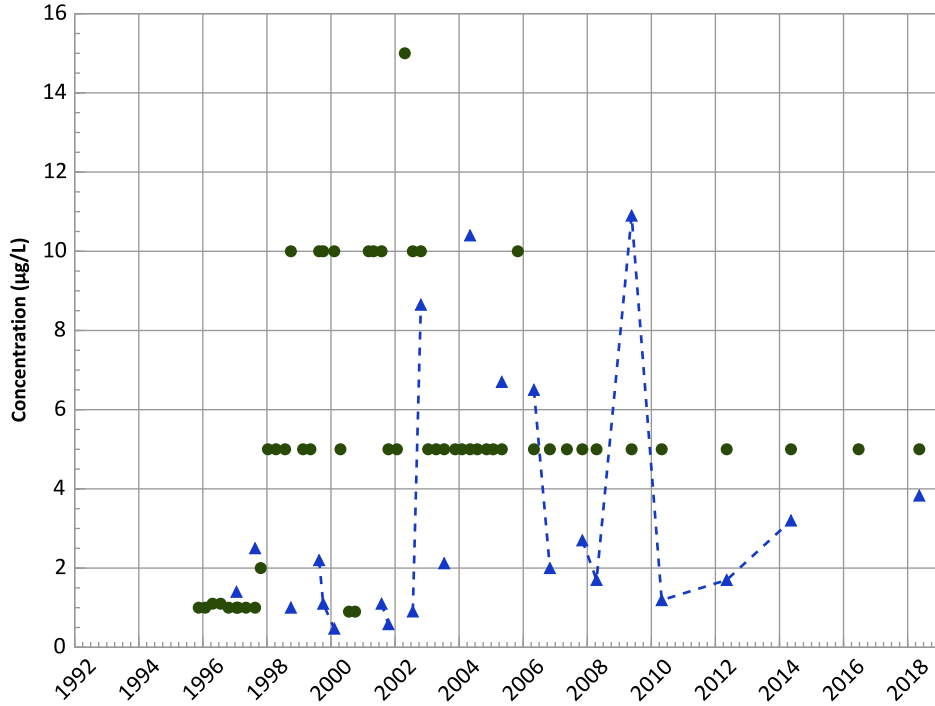
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

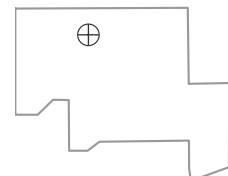
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Increasing

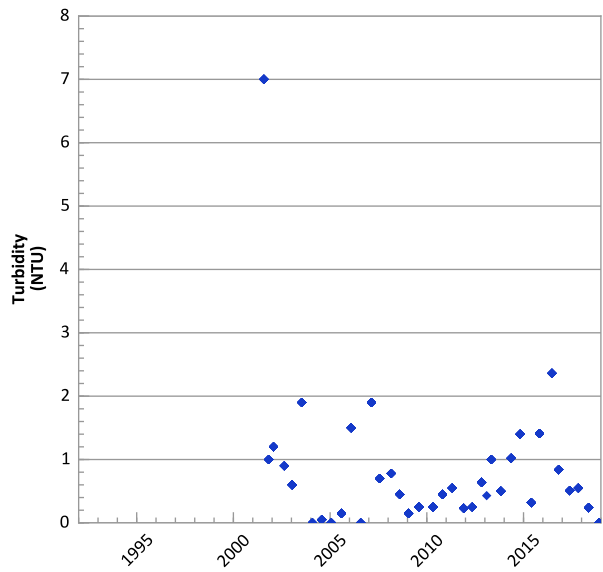
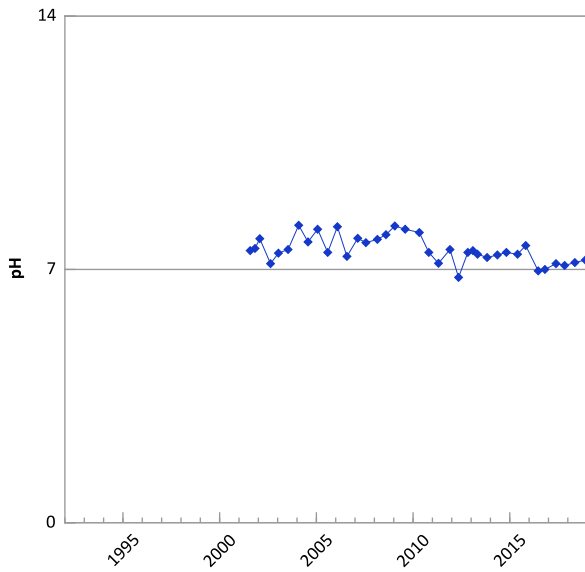
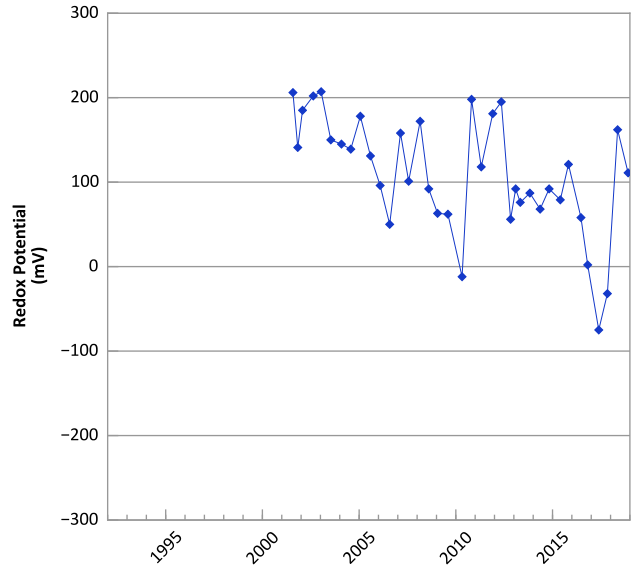
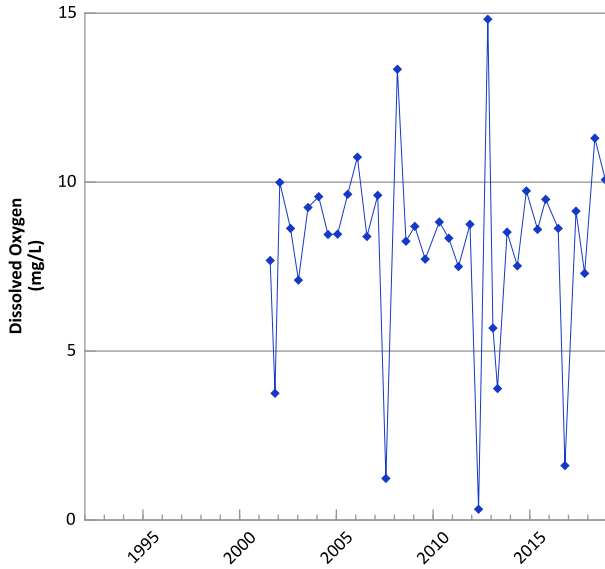
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/15/1995 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

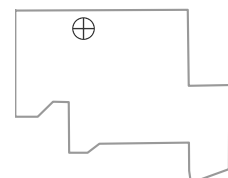


**PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



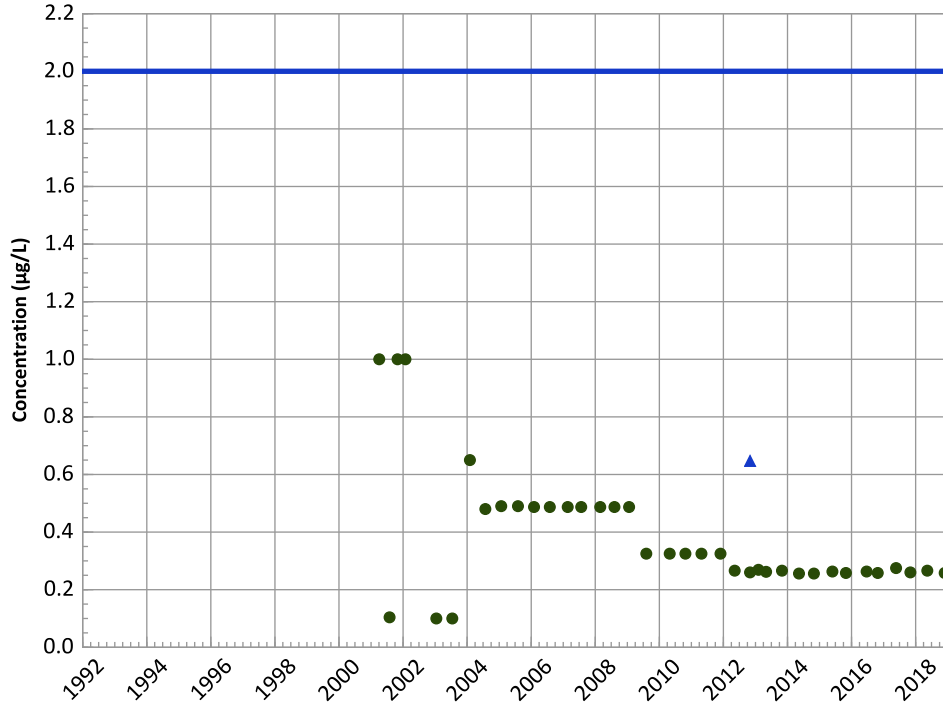
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

Well Location



PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

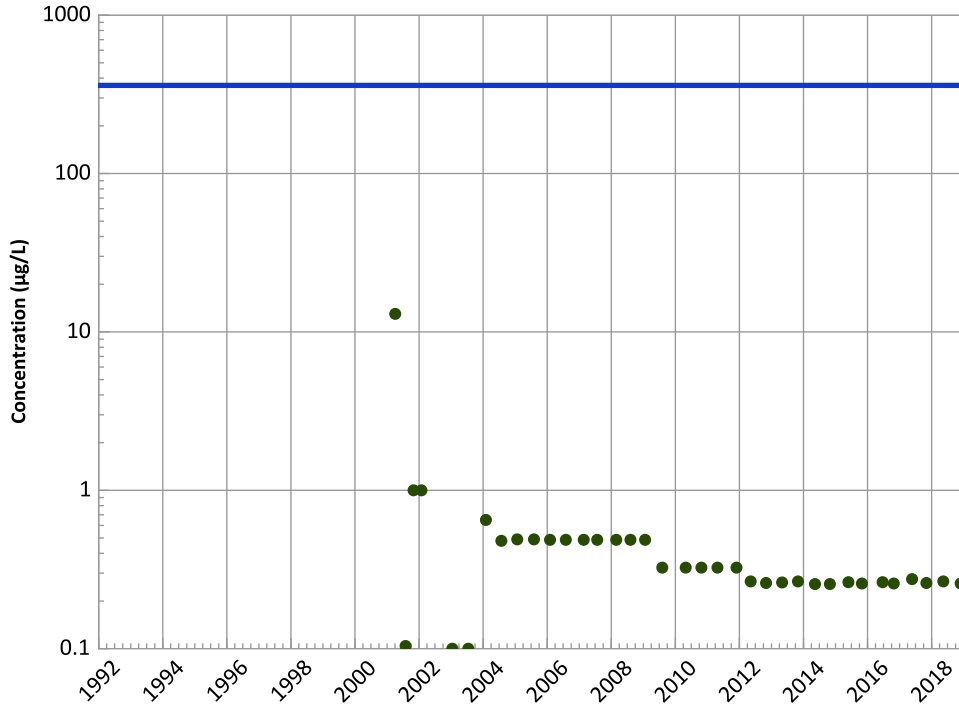


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

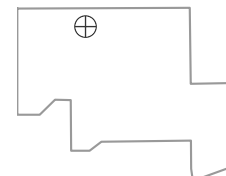
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

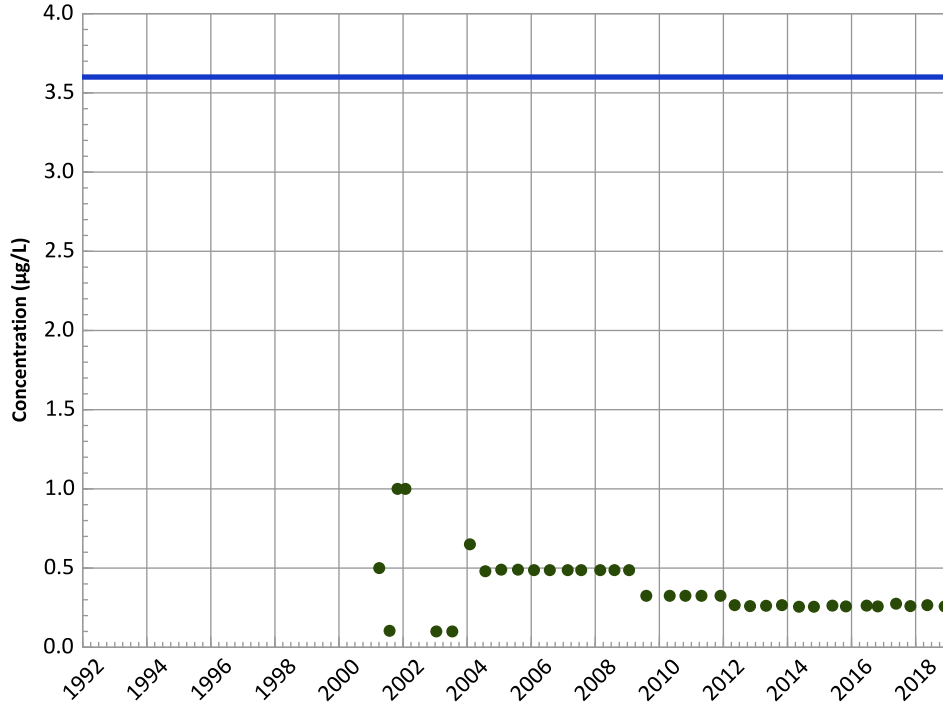
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

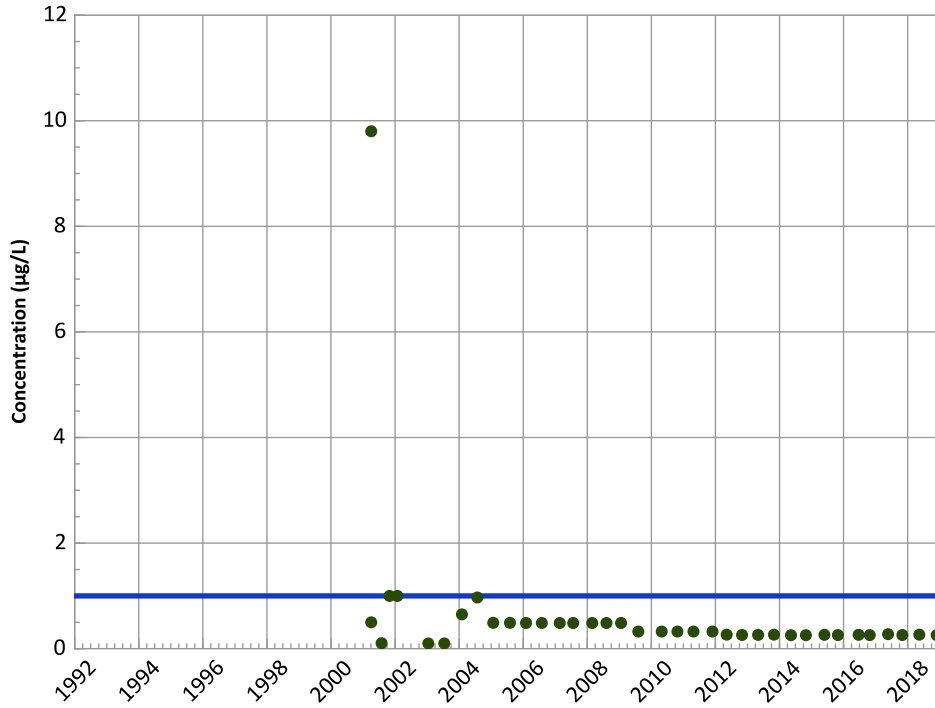
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

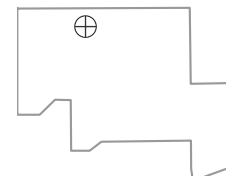
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

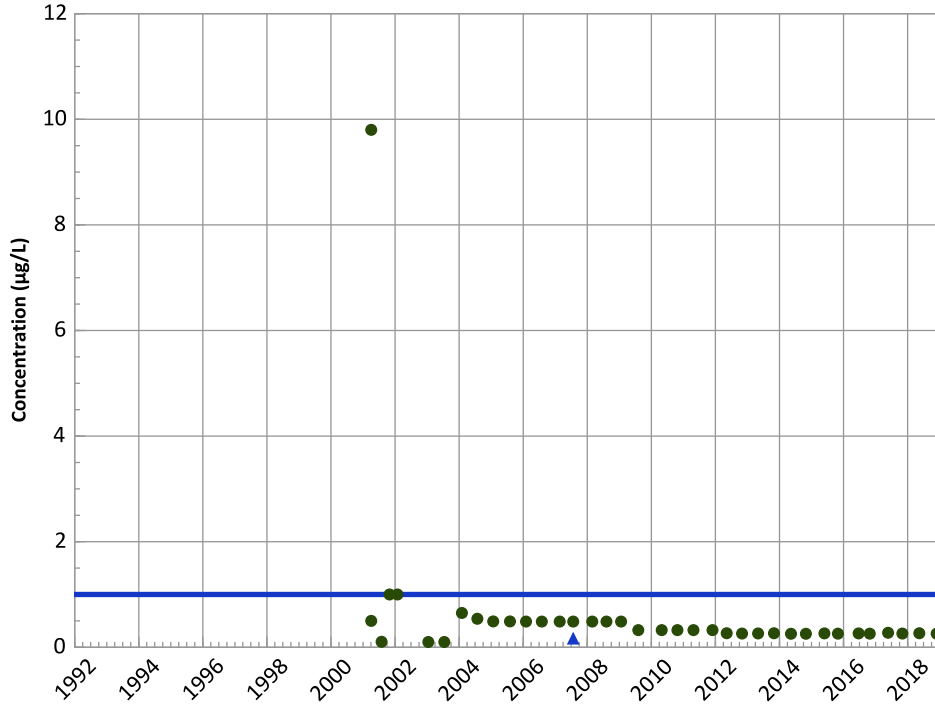
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

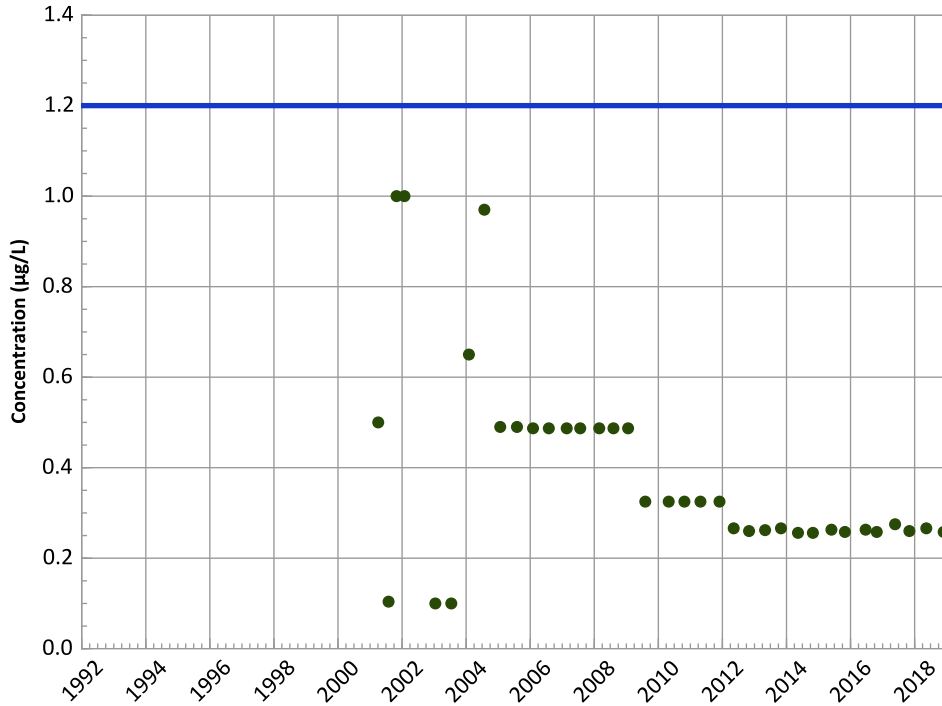
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

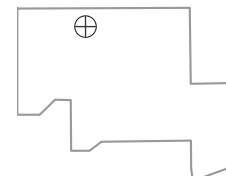
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

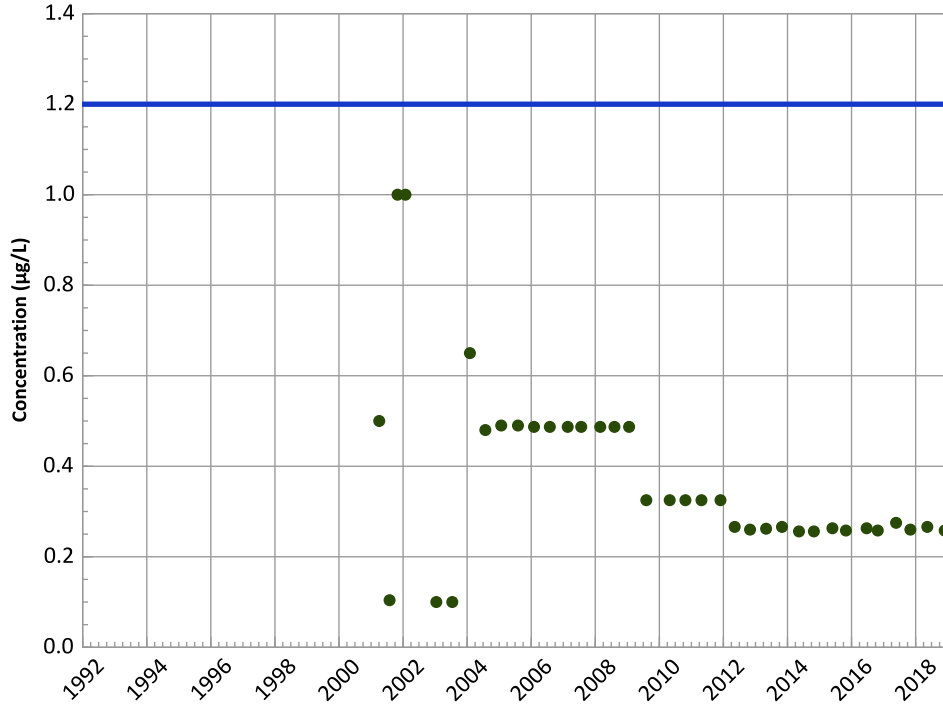


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

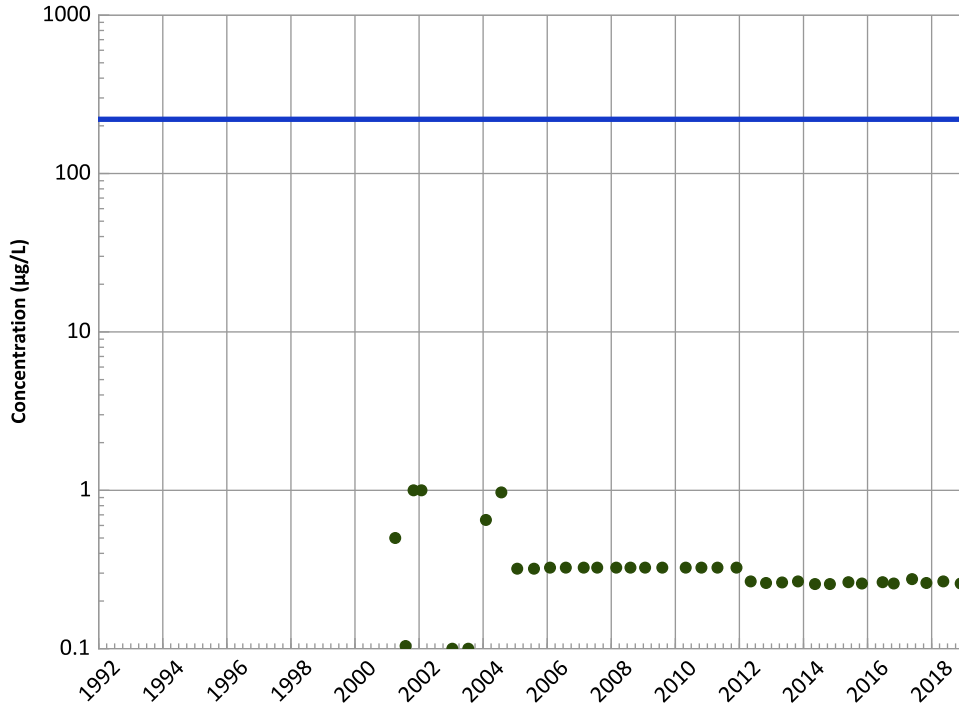
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

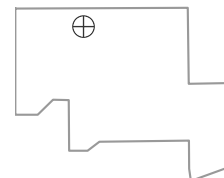
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

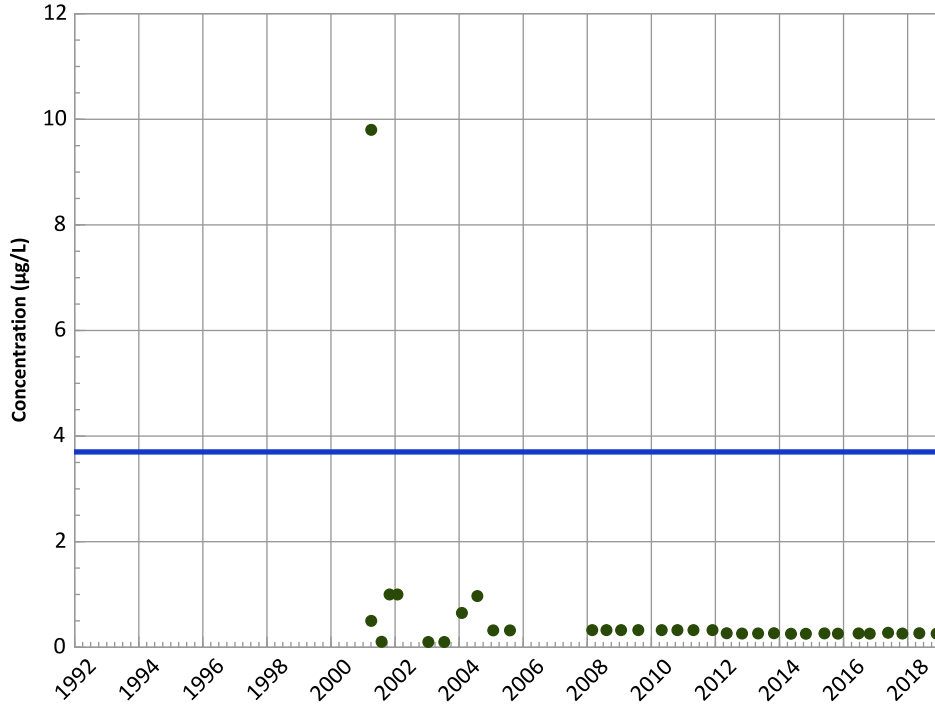
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

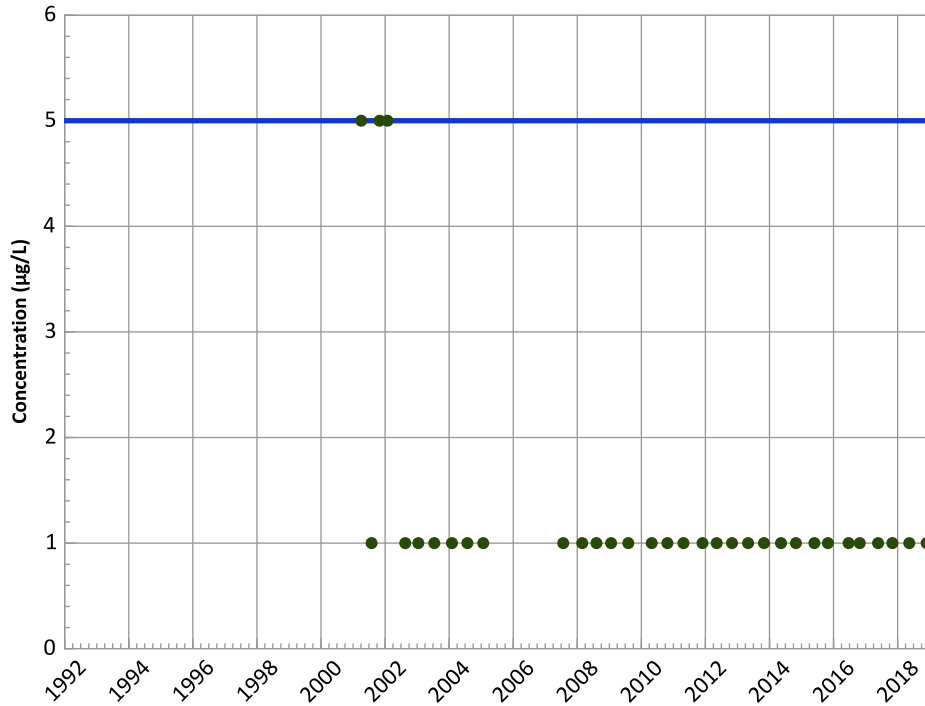
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

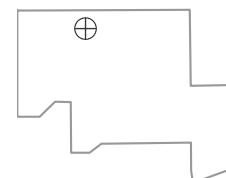
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

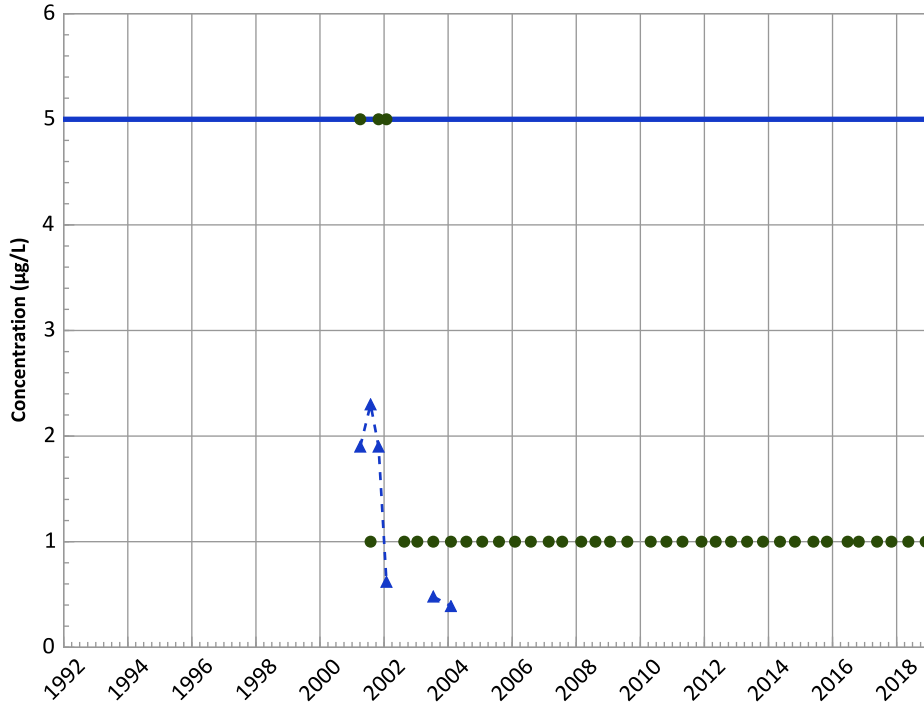
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

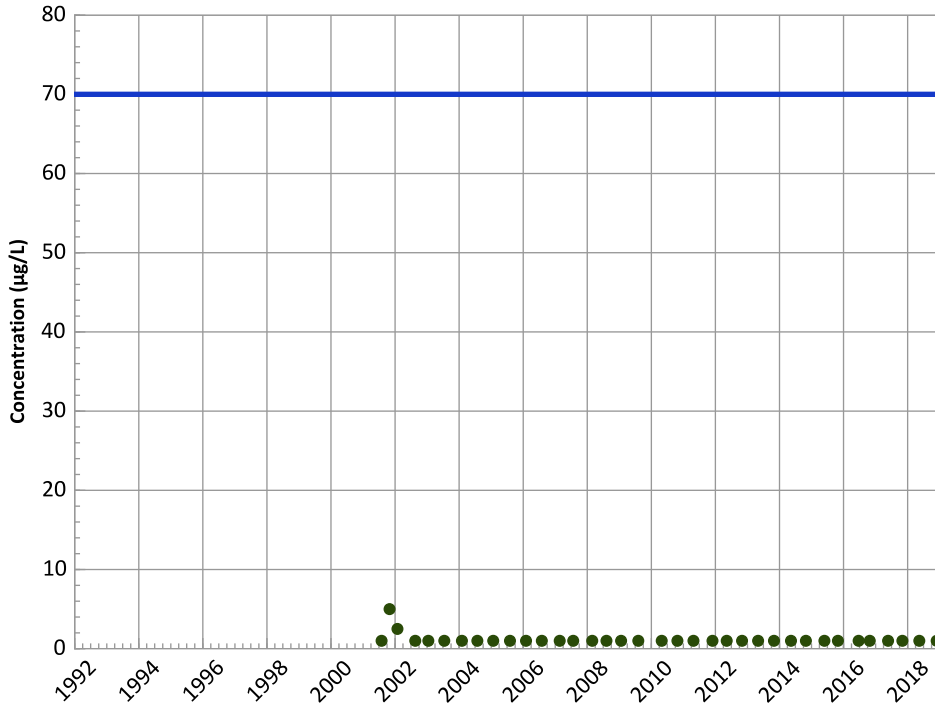
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

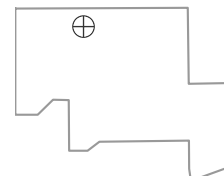
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

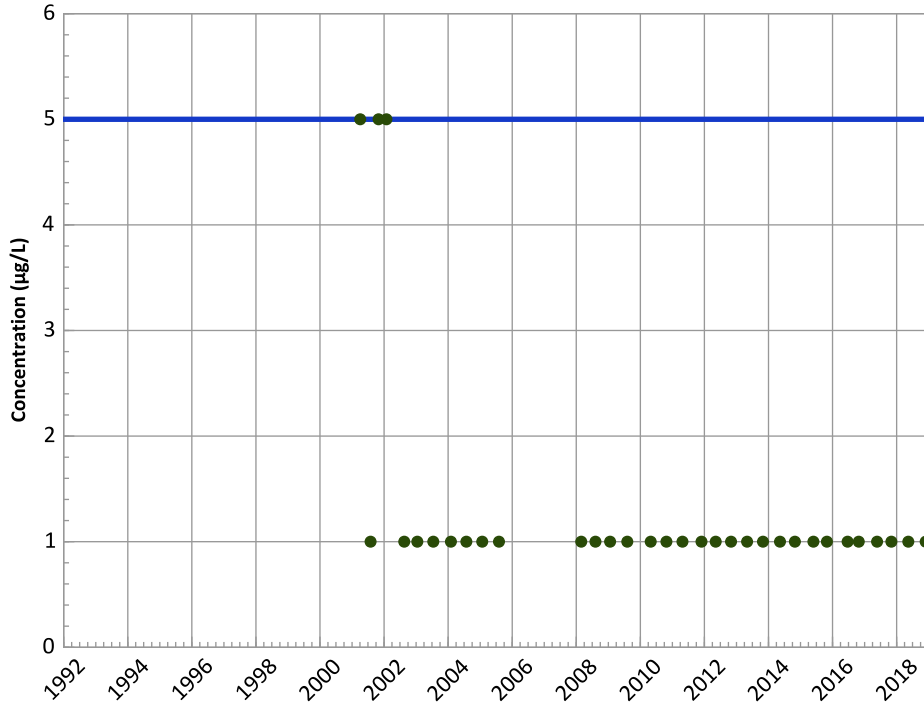
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

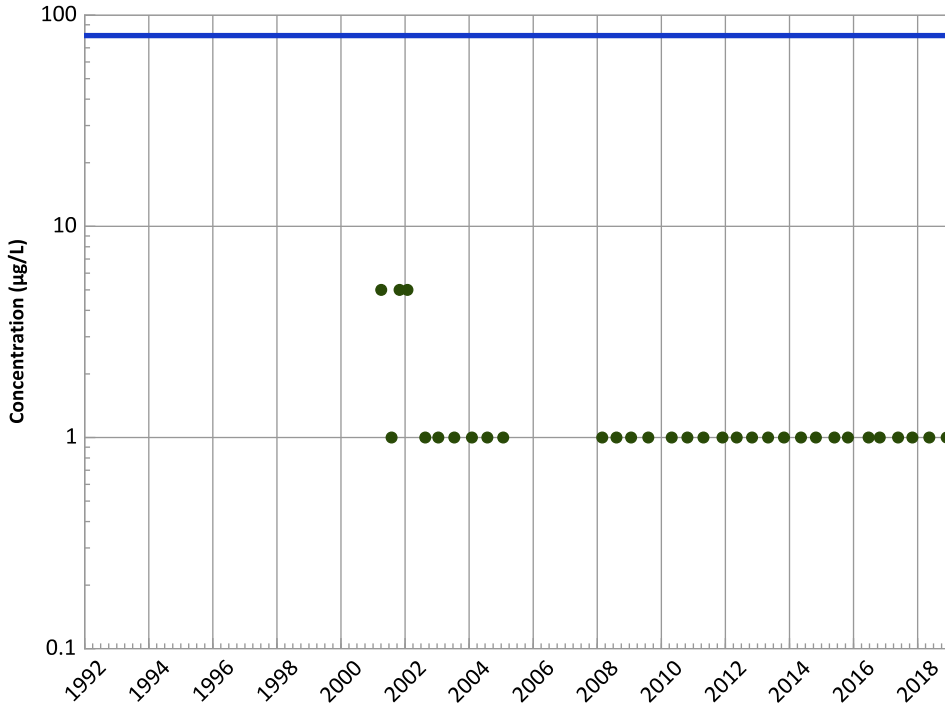
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

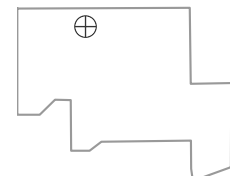
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

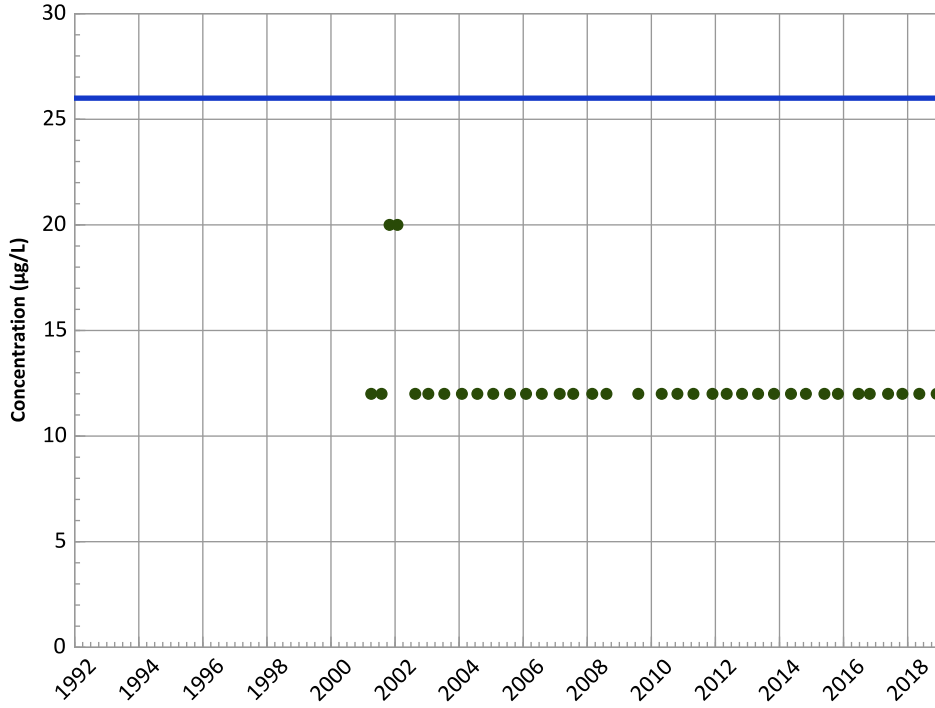


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

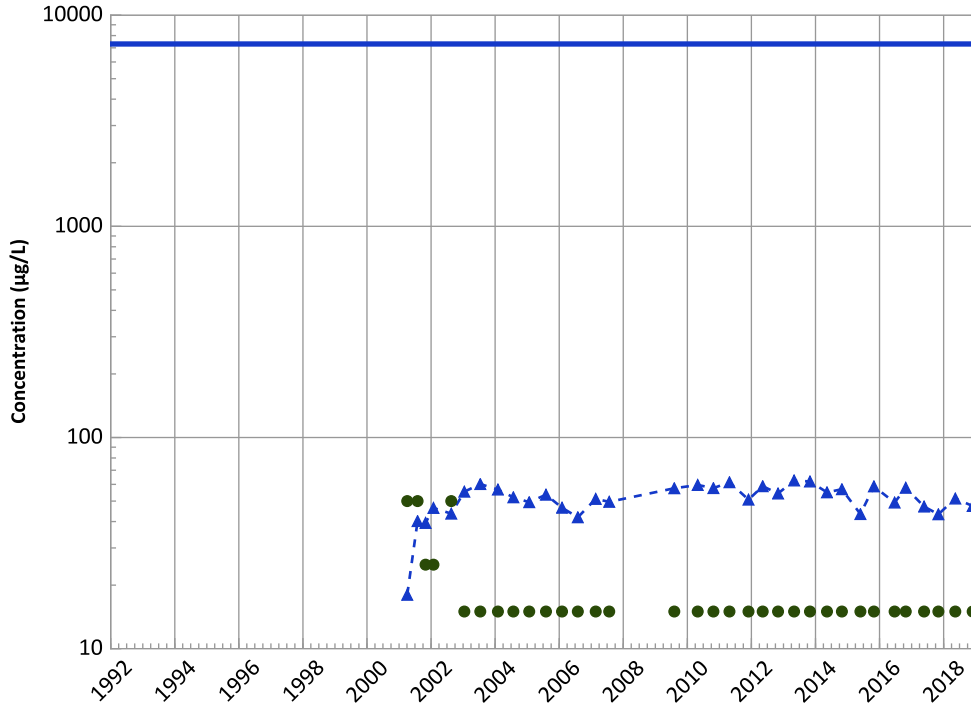
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

Probably Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

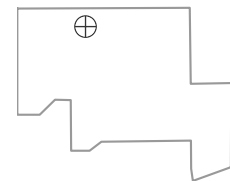
Data (2017 - 2021):

Stable

All Data:

Increasing

Well Location

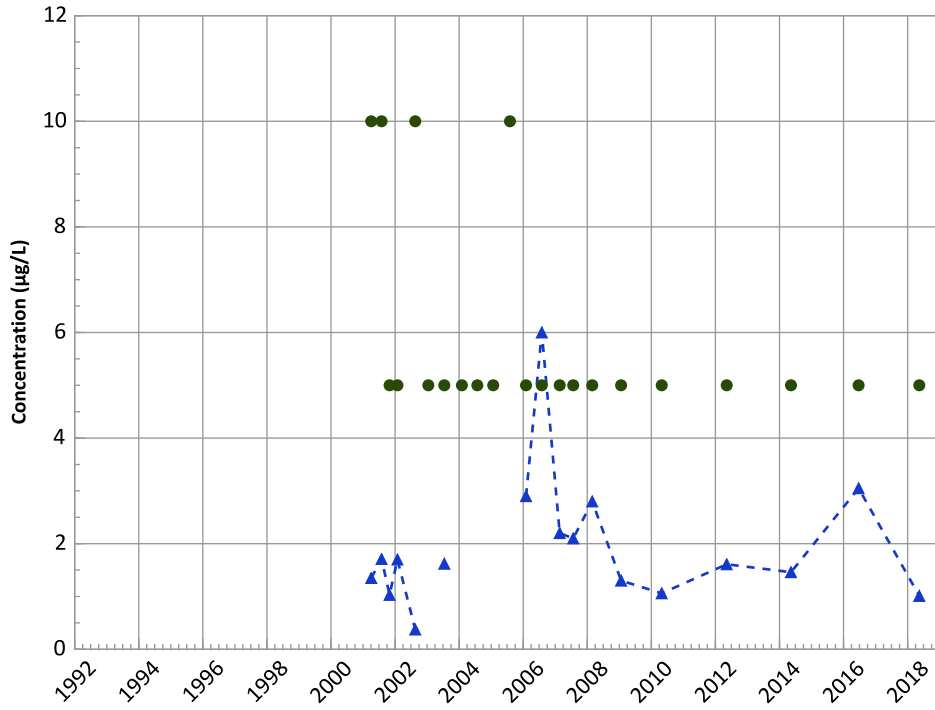


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

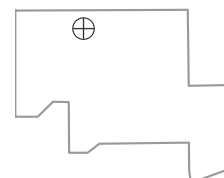
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

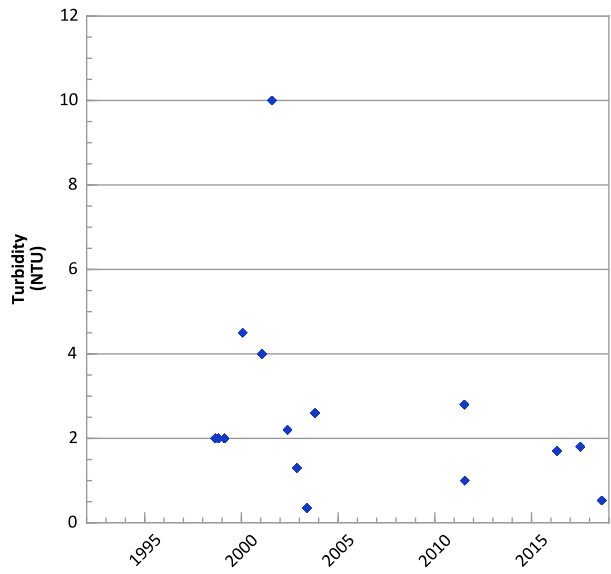
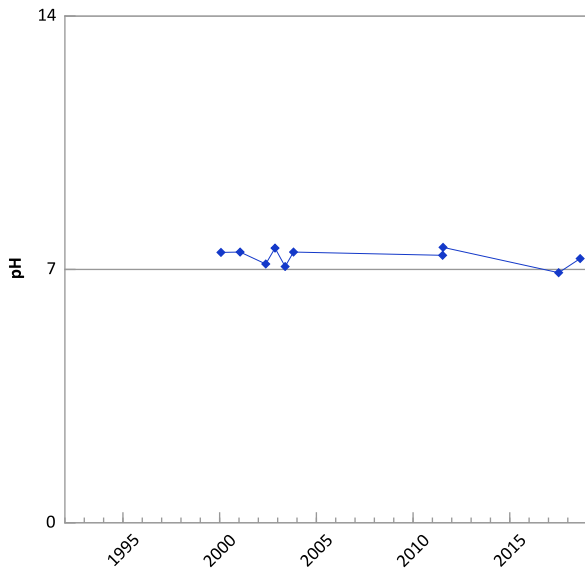
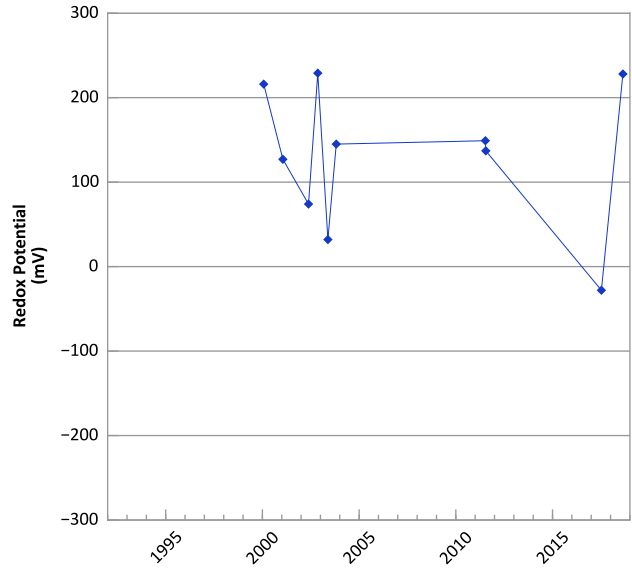
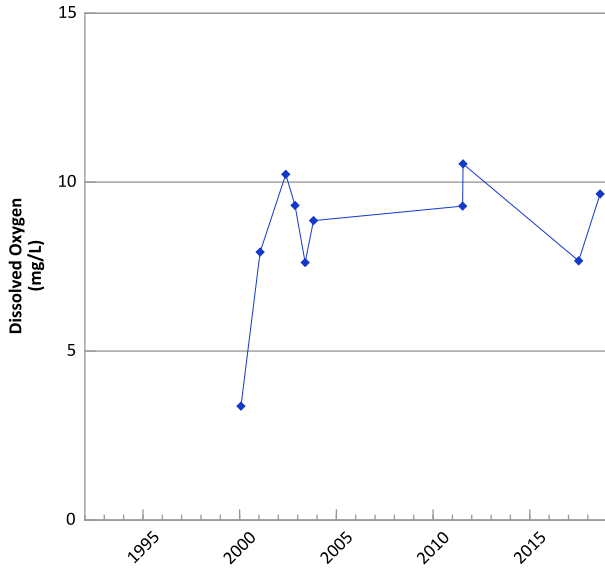
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 11/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

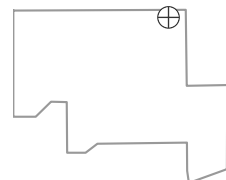


PTX04-1001 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



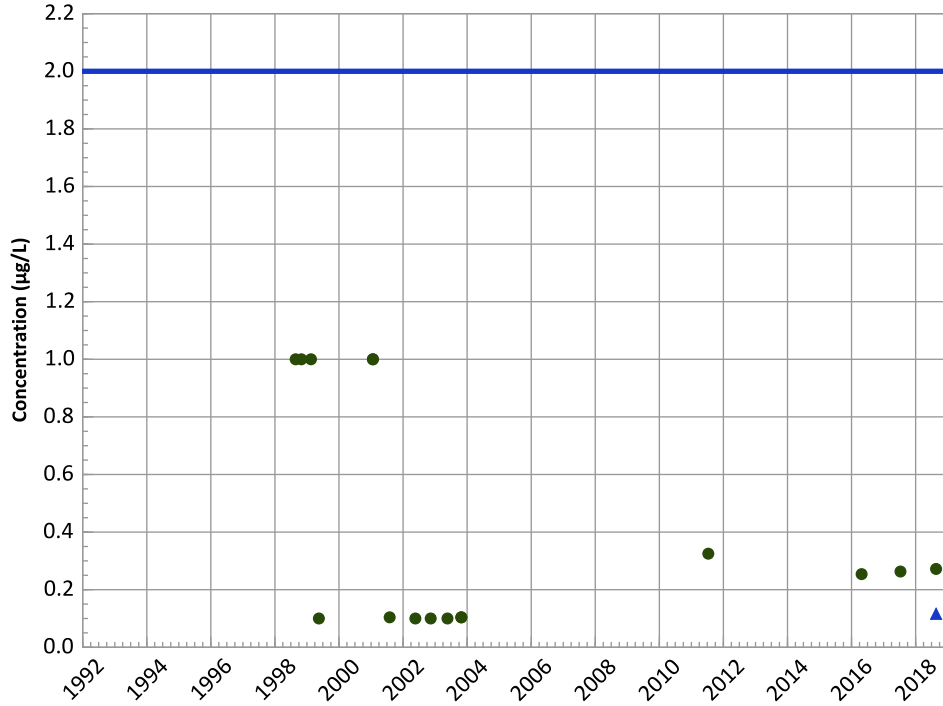
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/25/1998 to 08/22/2018
 Analysis Date: 02/14/2019

Well Location



PTX04-1001 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

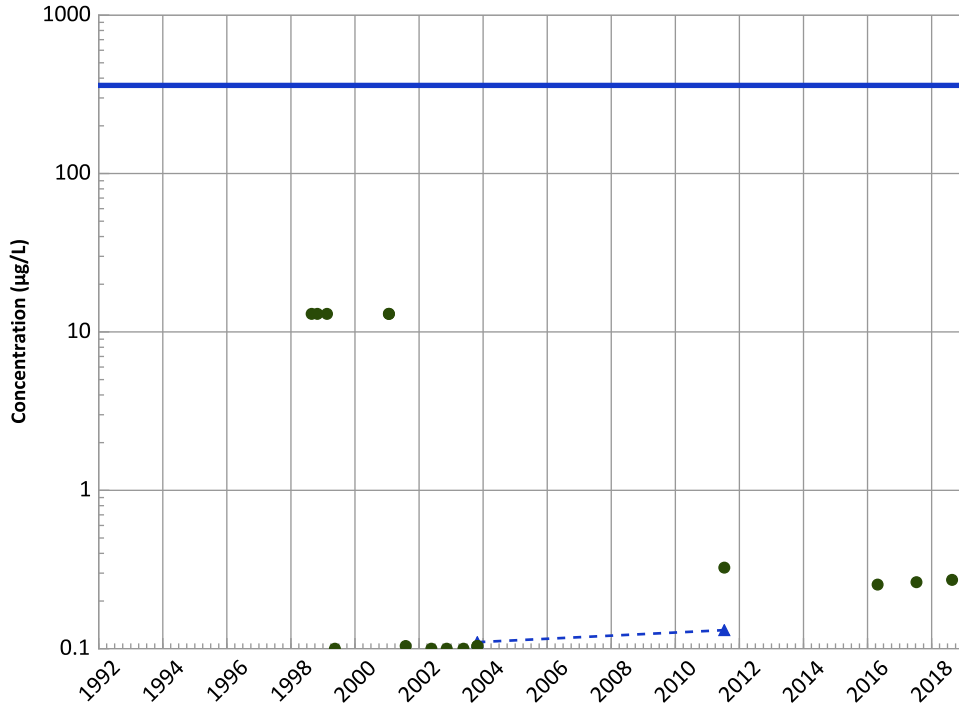
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

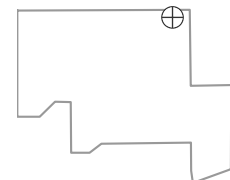
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

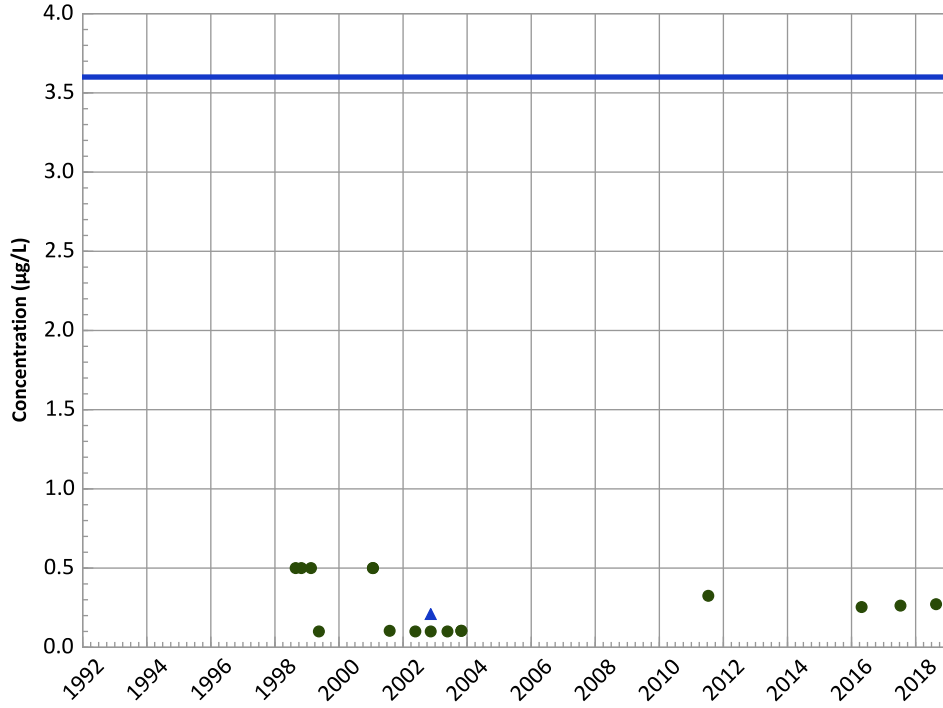


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX04-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

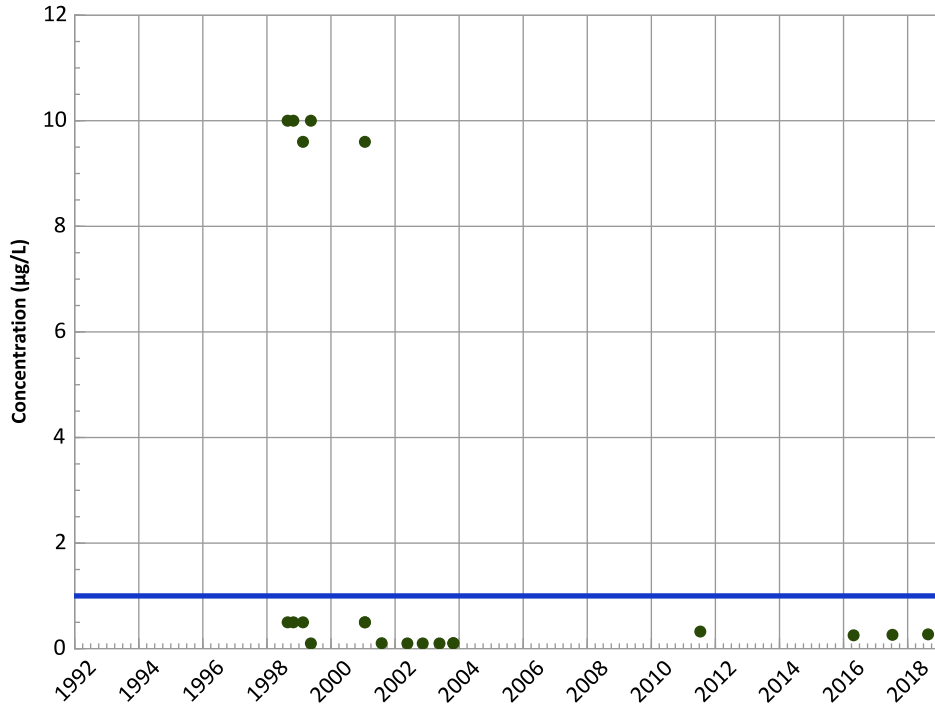


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

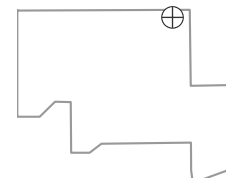
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

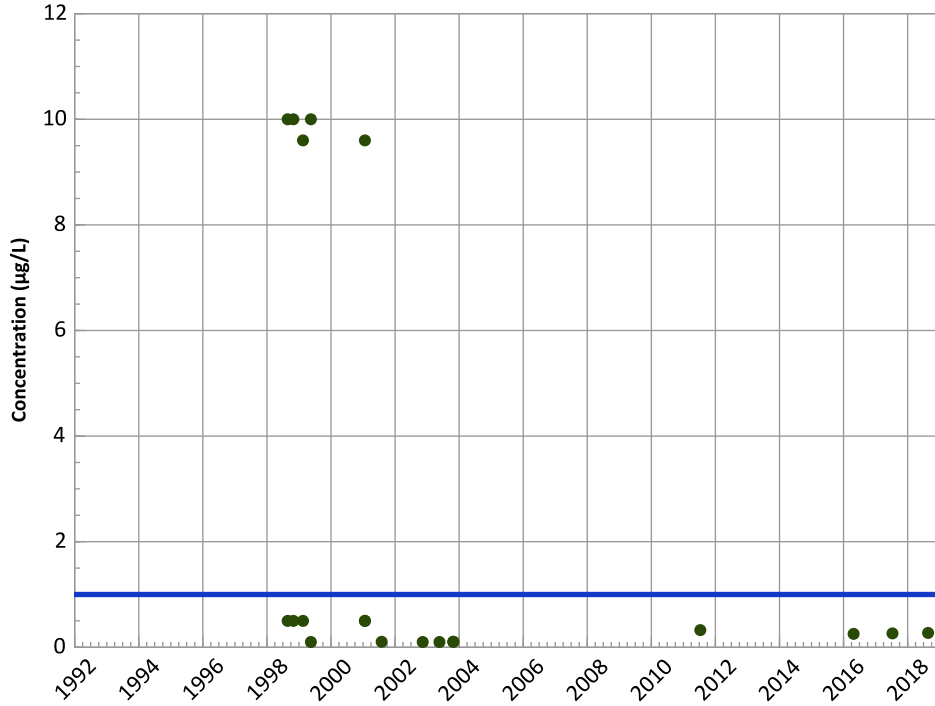
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX04-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

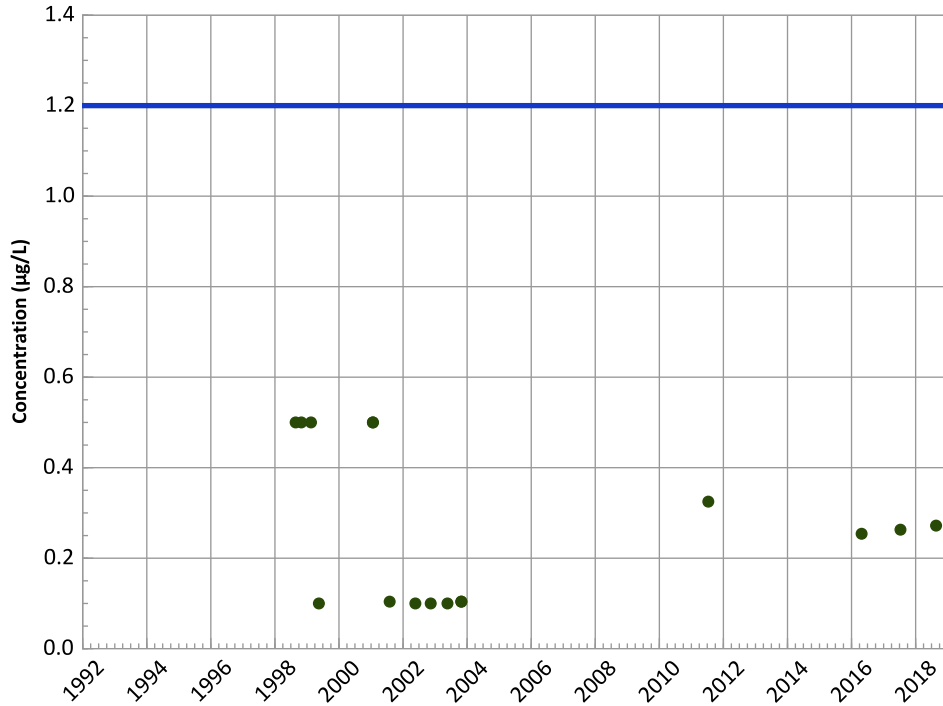
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

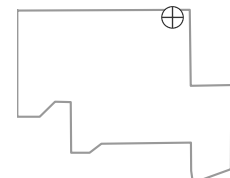
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

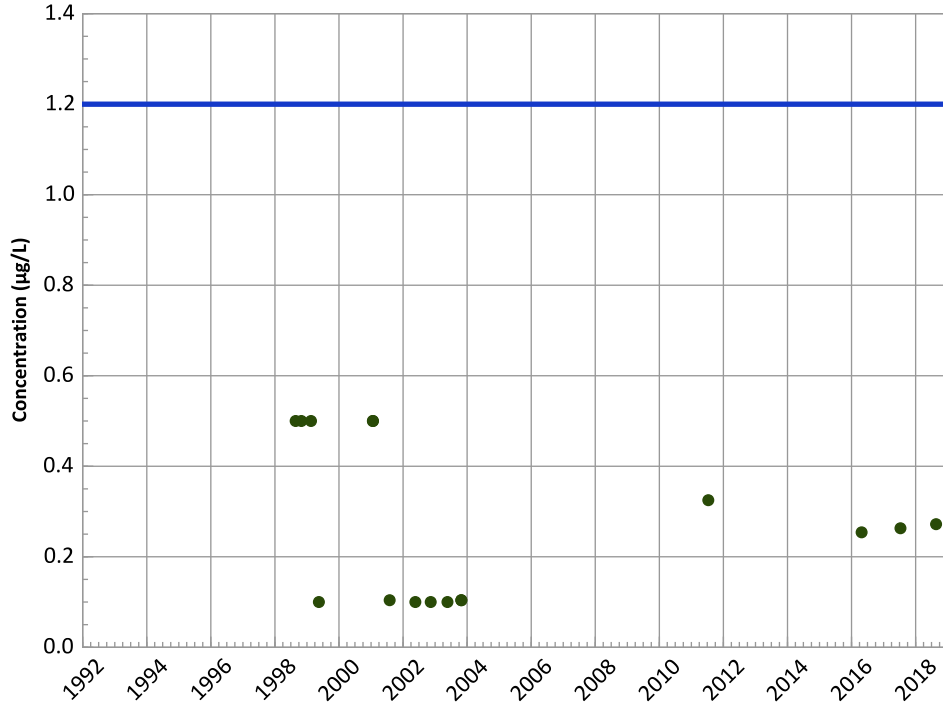


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX04-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

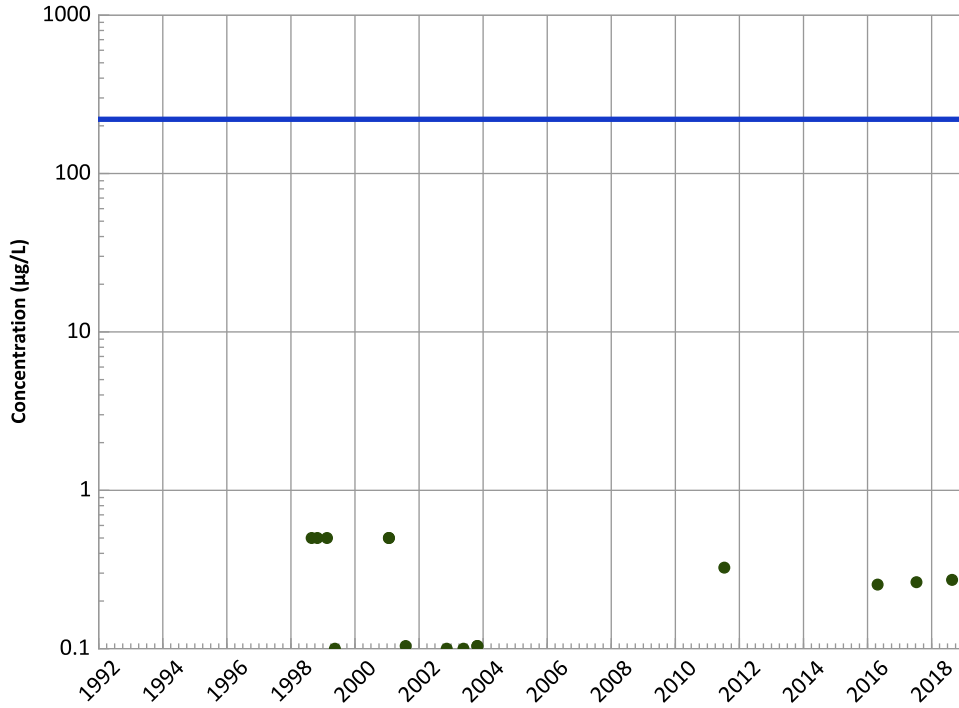
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

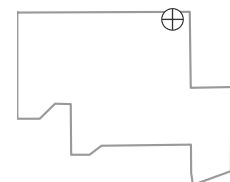
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

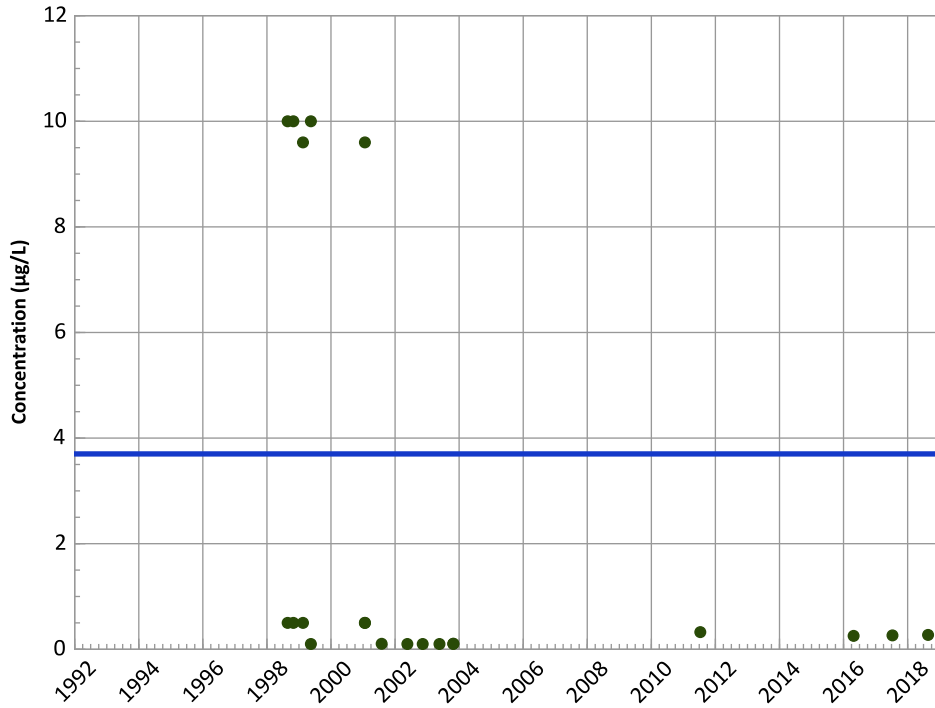
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX04-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

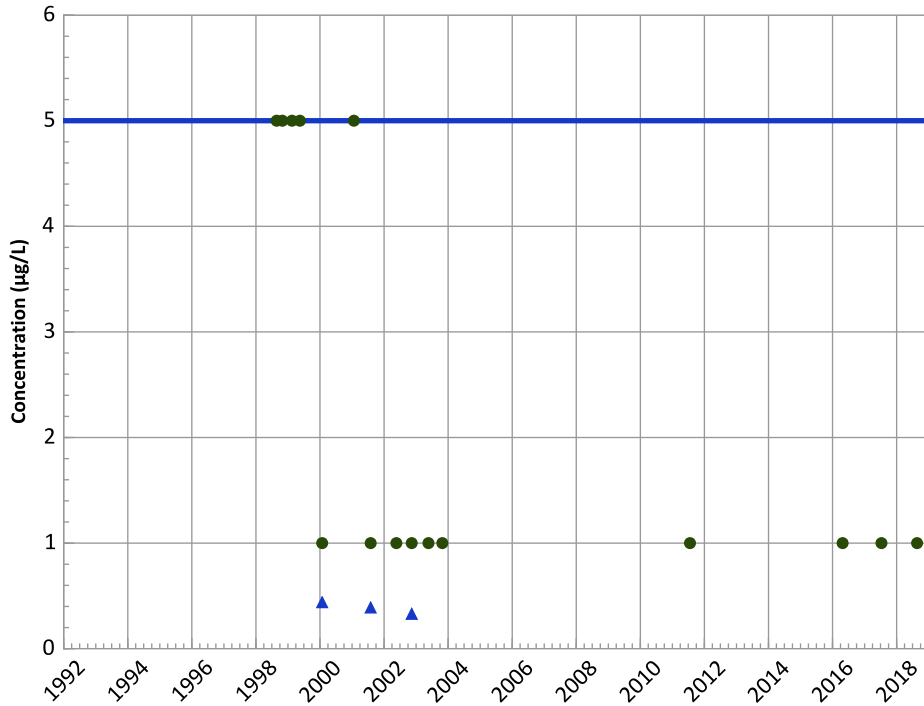
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

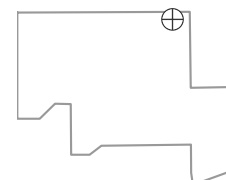
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

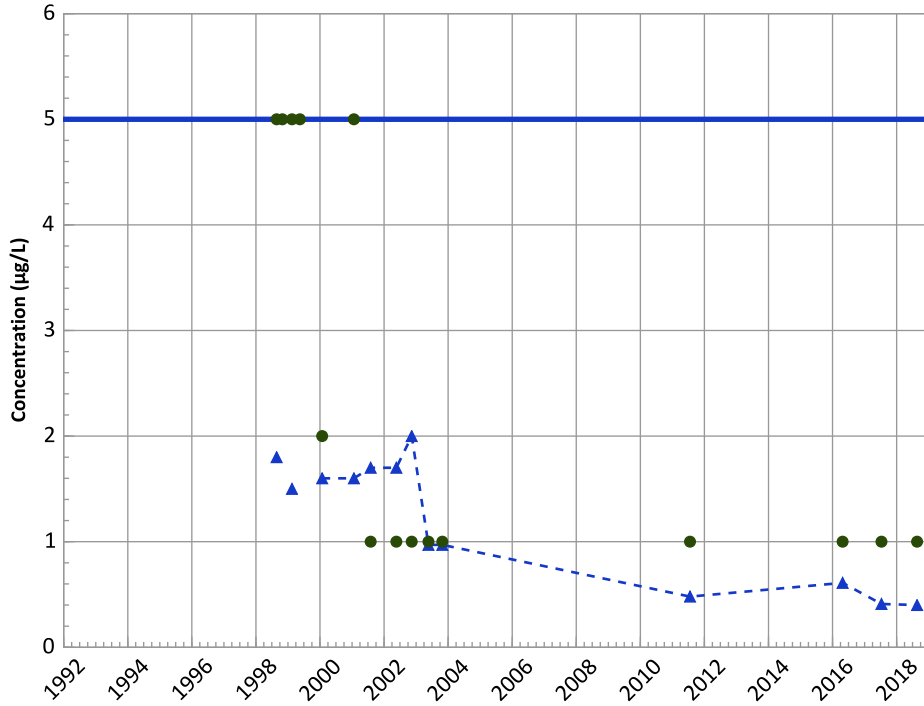


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX04-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

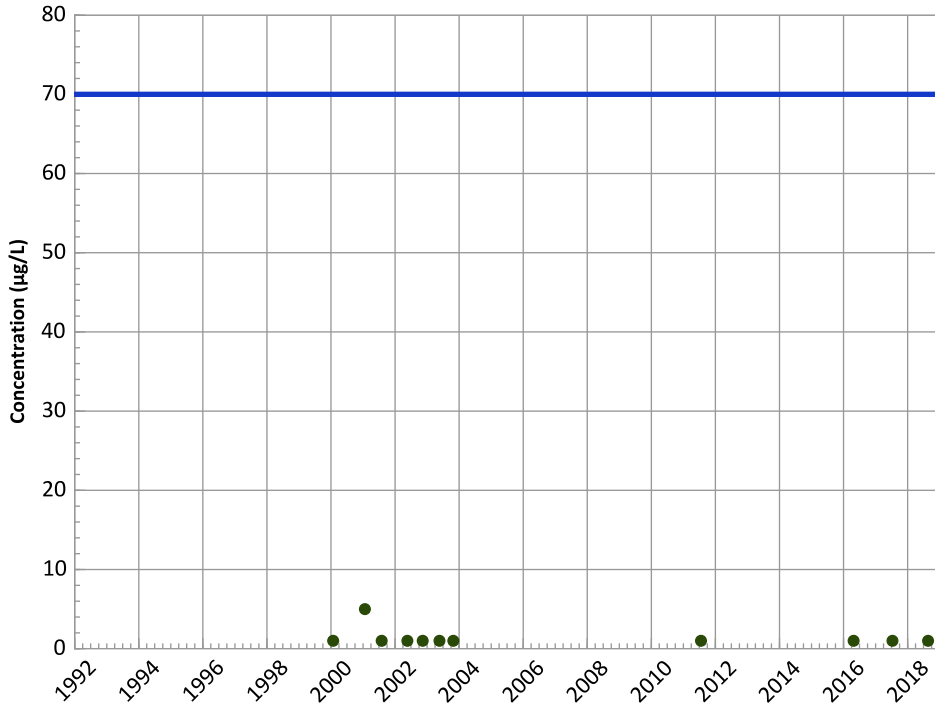


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

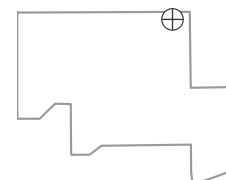
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

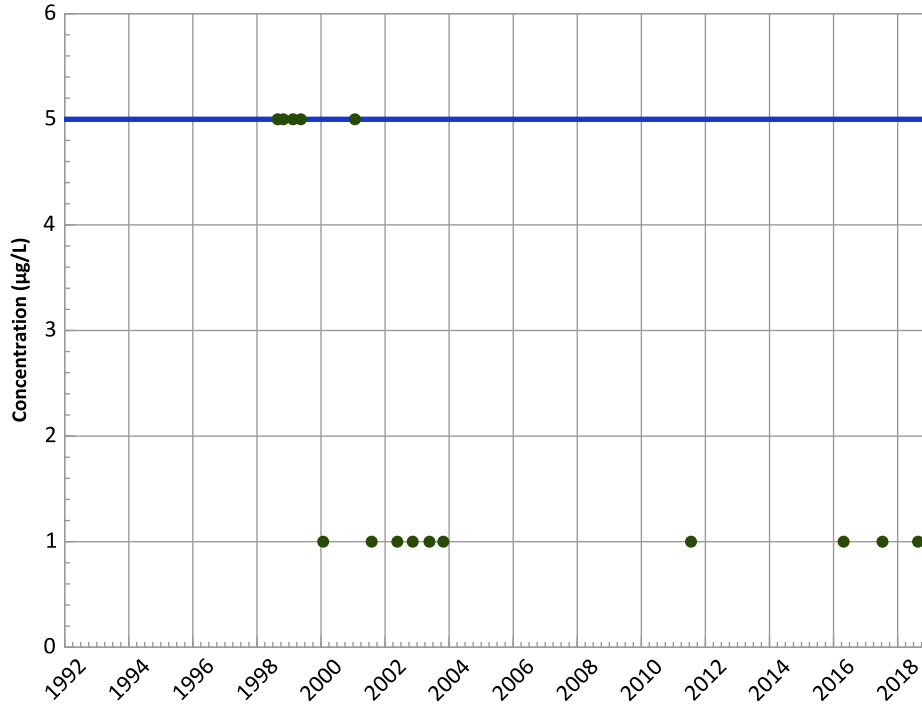
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX04-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend

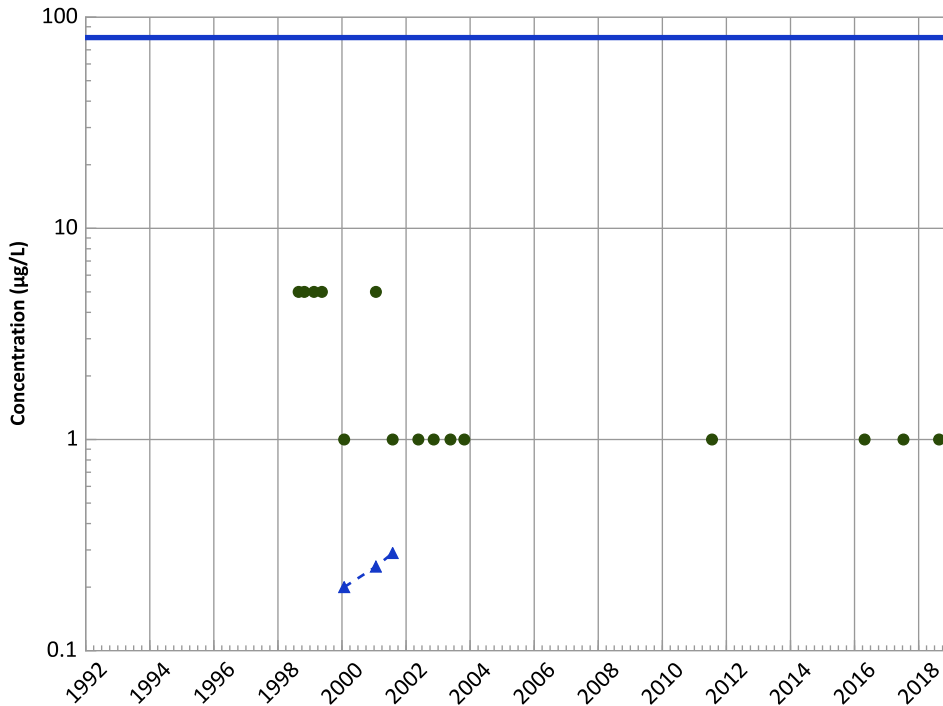


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend

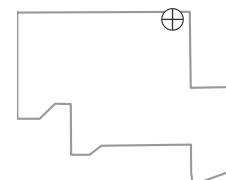


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

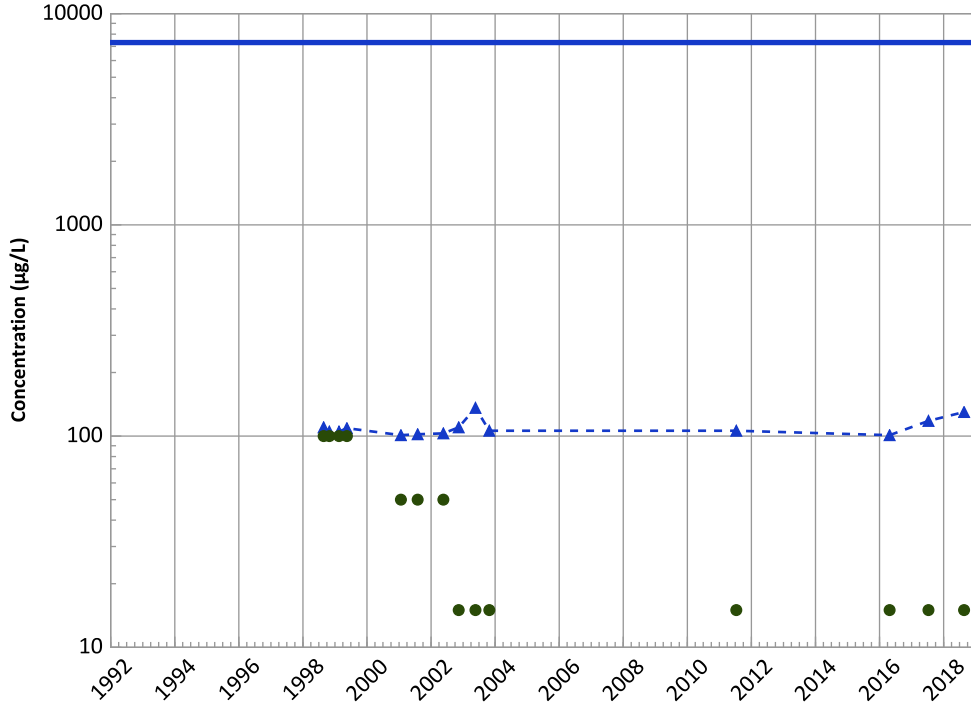


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX04-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

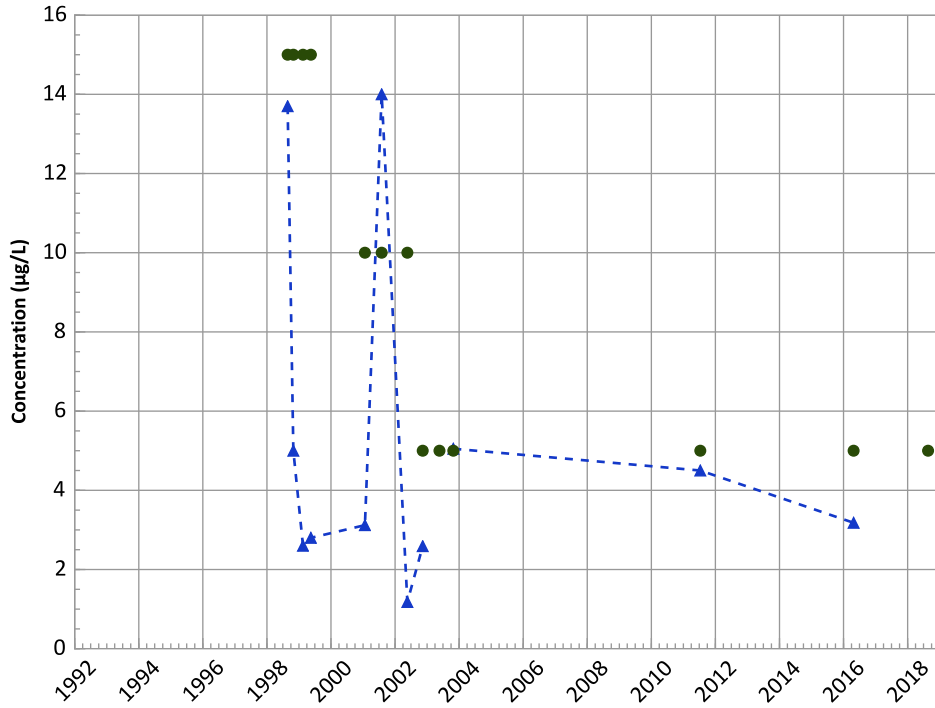


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Manganese Trend



Concentration Trend

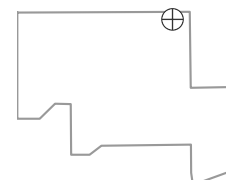
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

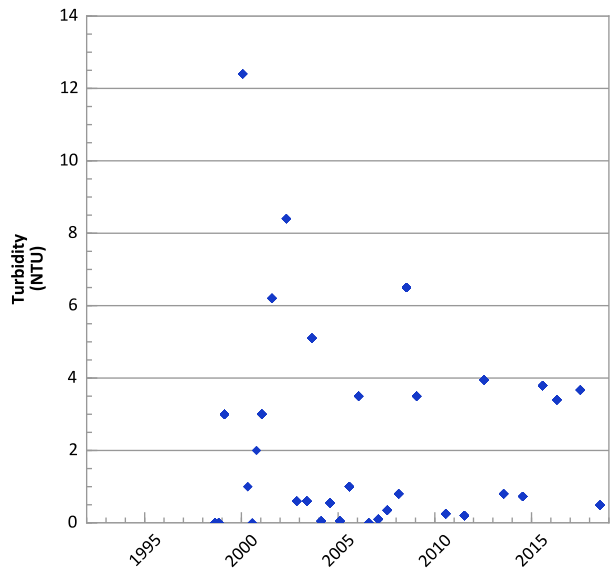
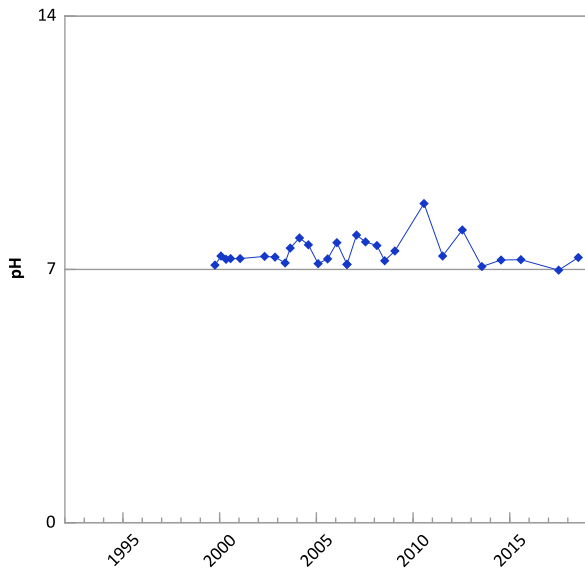
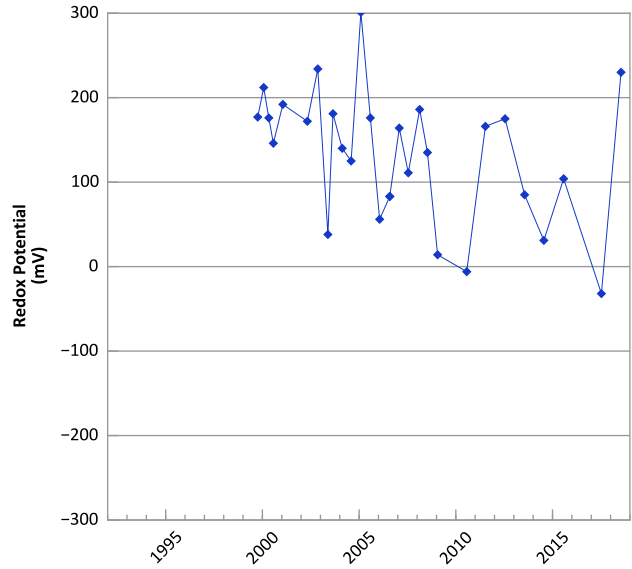
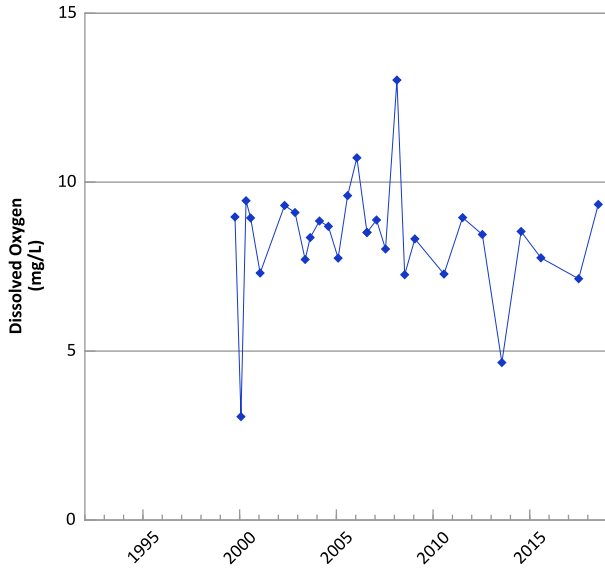
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

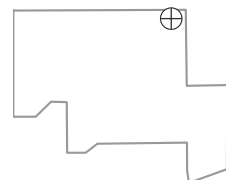


**PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



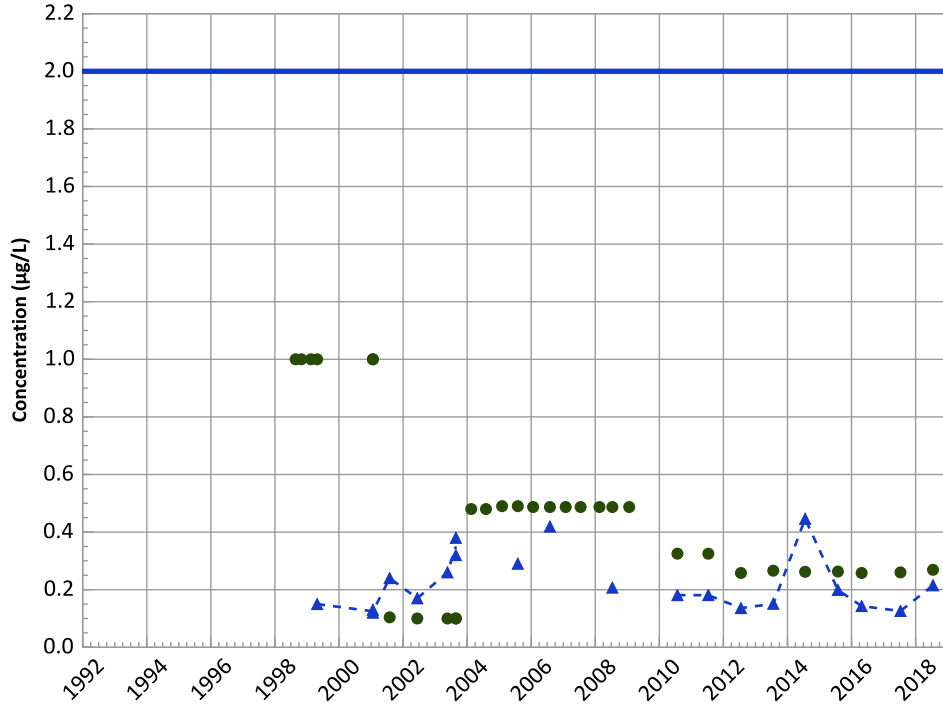
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/25/1998 to 07/18/2018
 Analysis Date: 02/14/2019

Well Location



PTX04-1002 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 (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

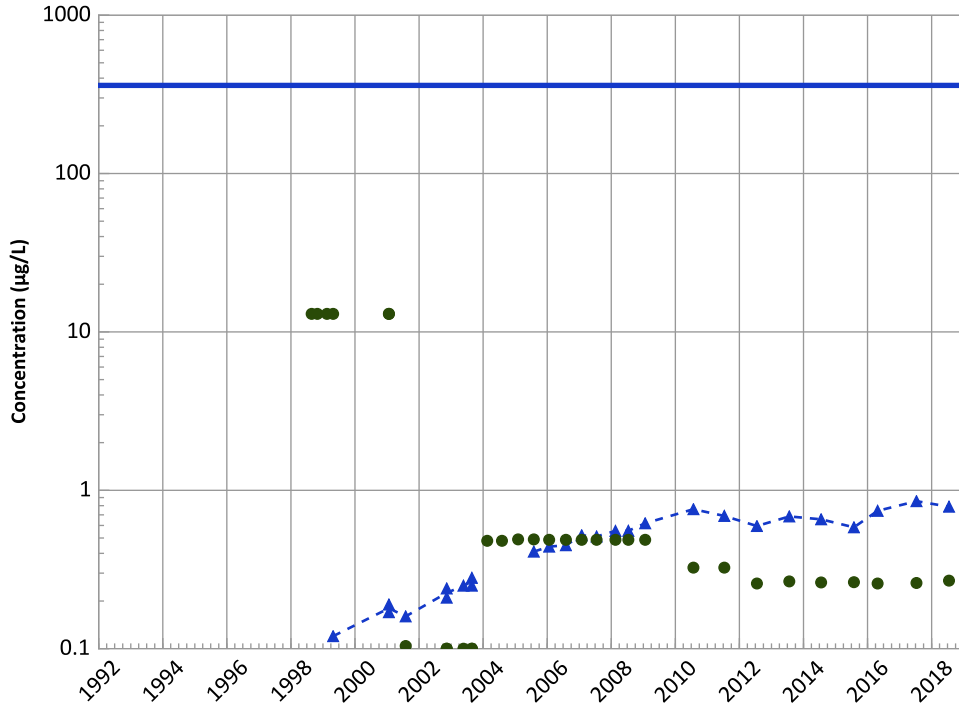
Data (2017 - 2021):

No Trend

All Data:

Stable

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

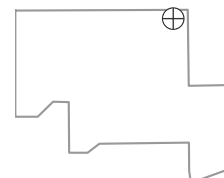
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

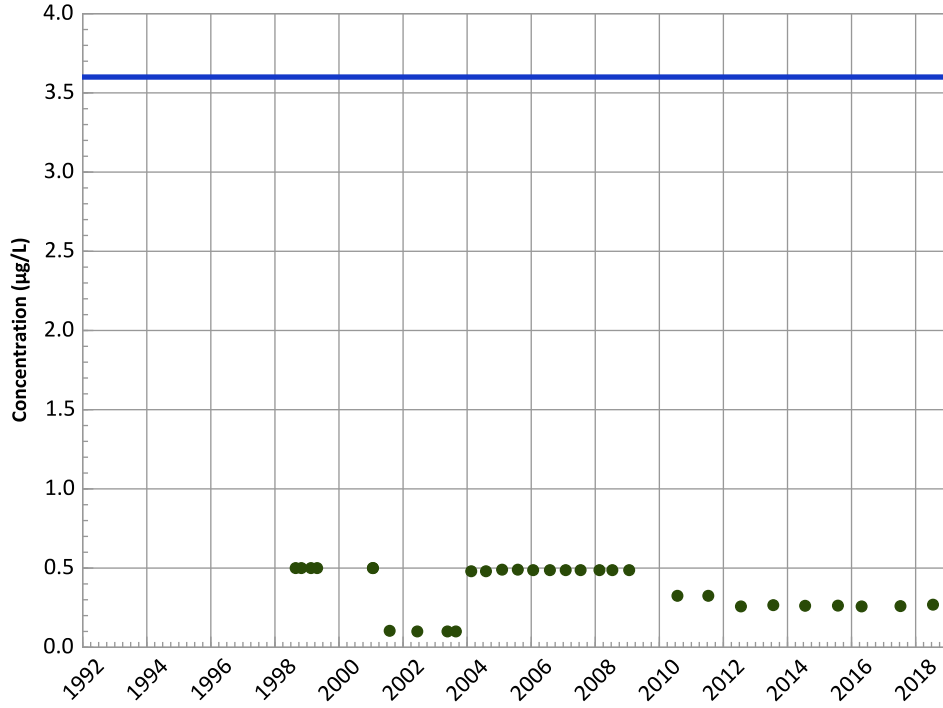
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

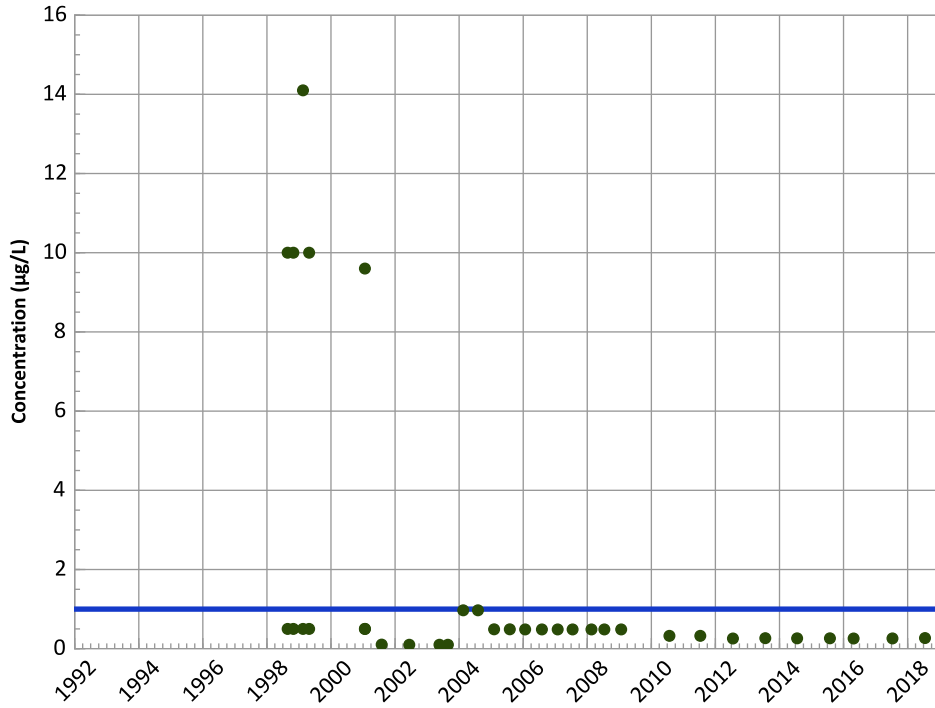
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

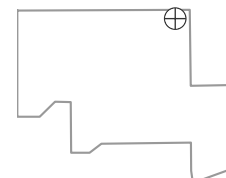
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

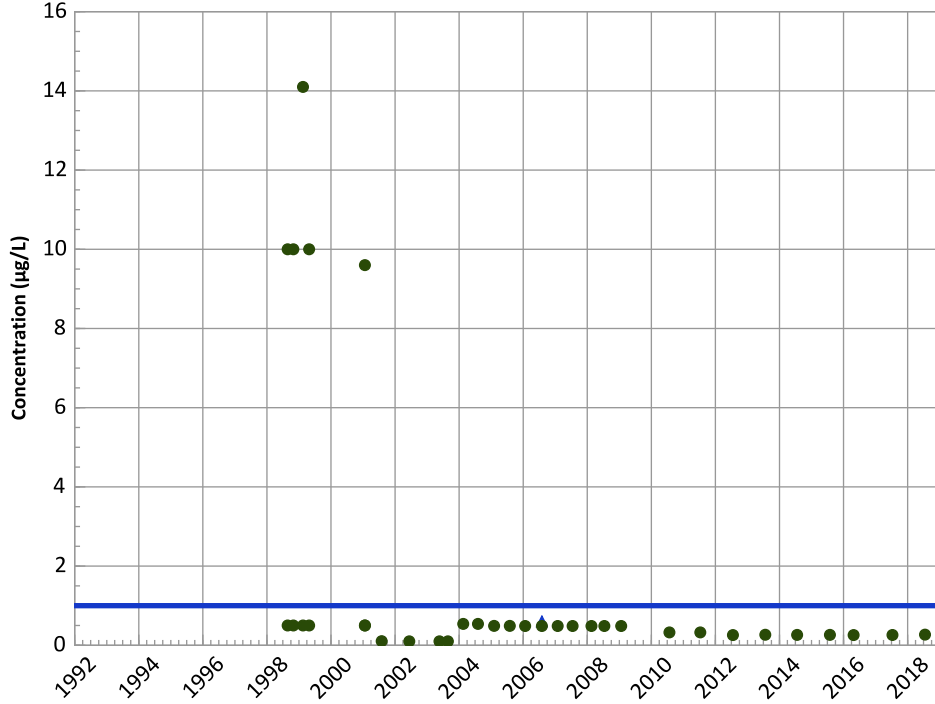
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

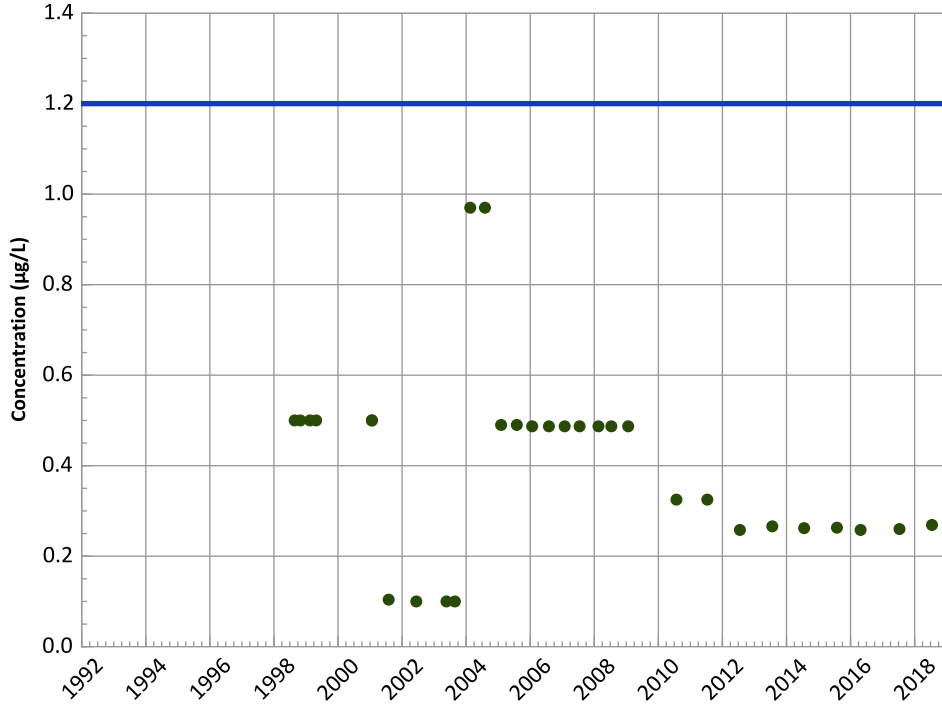
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

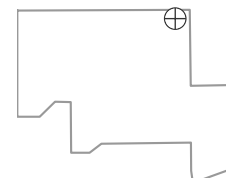
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

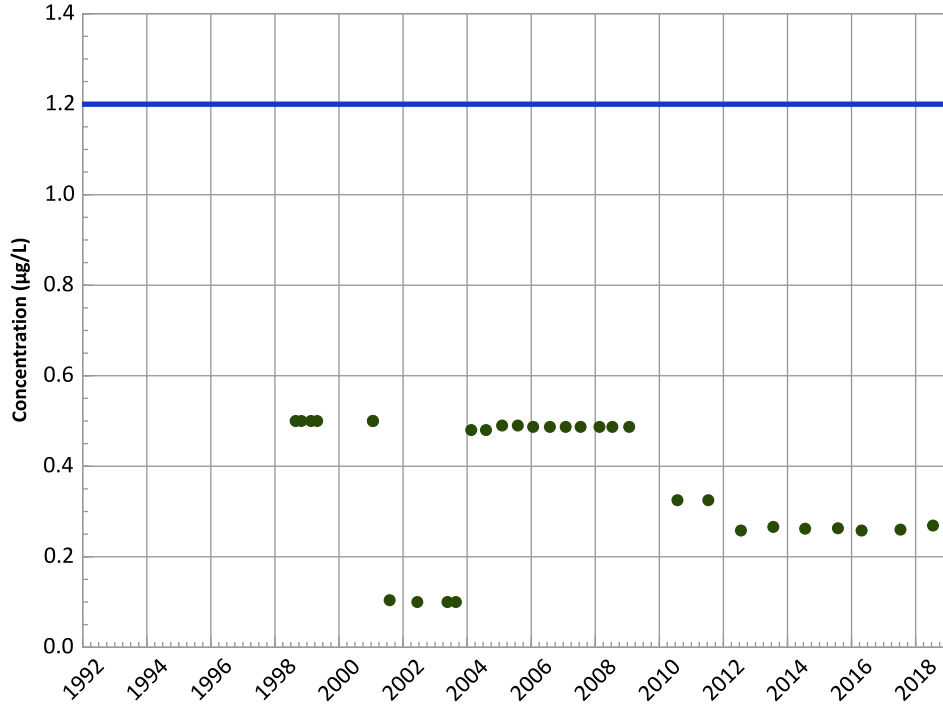
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

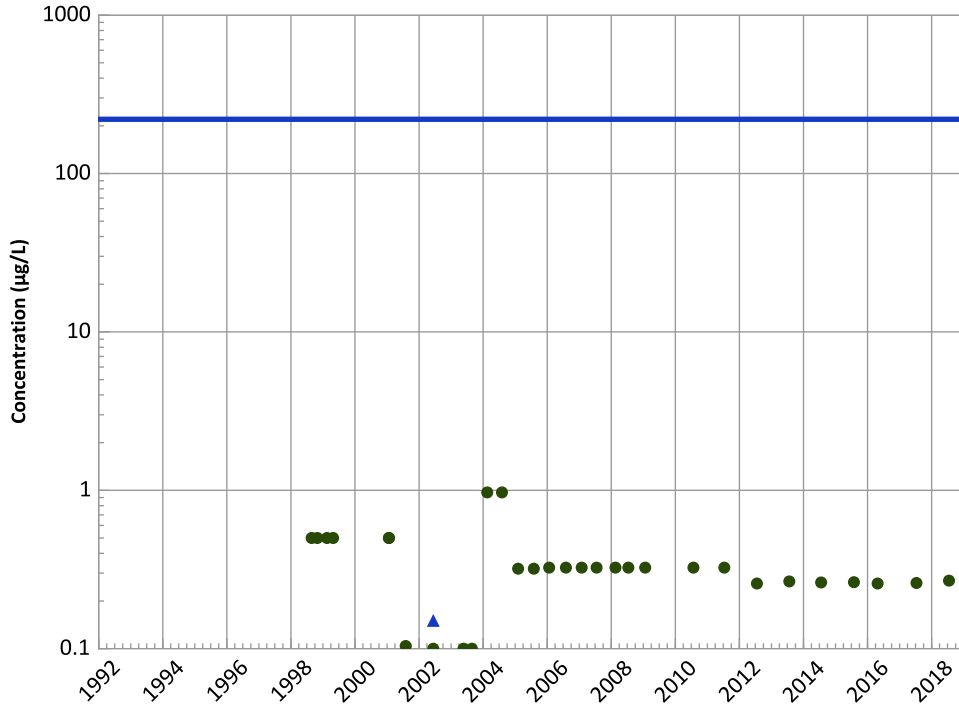
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

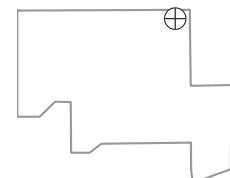
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

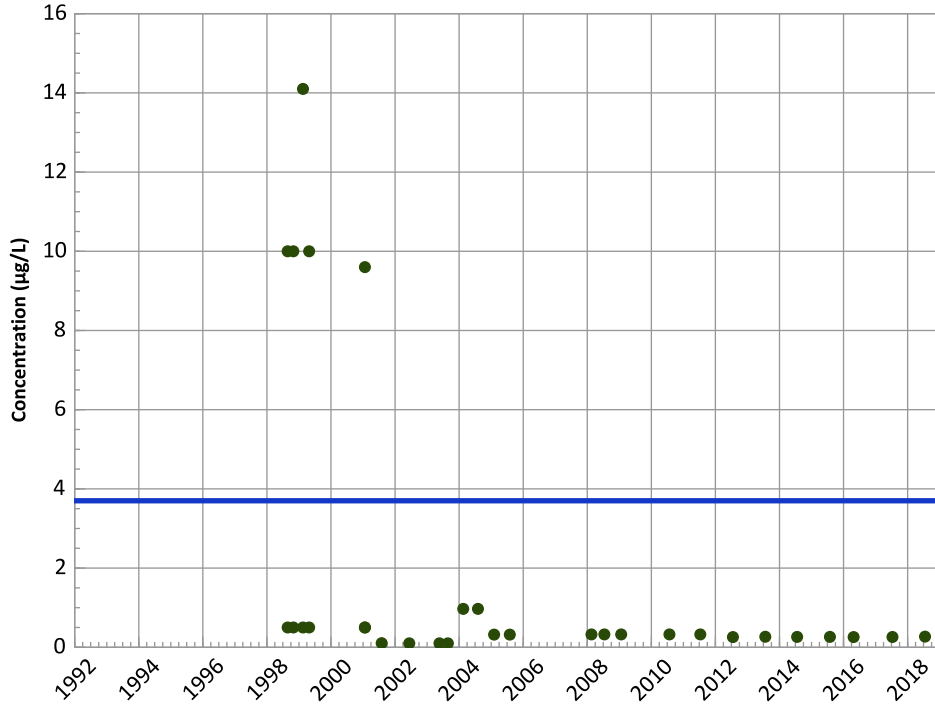


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

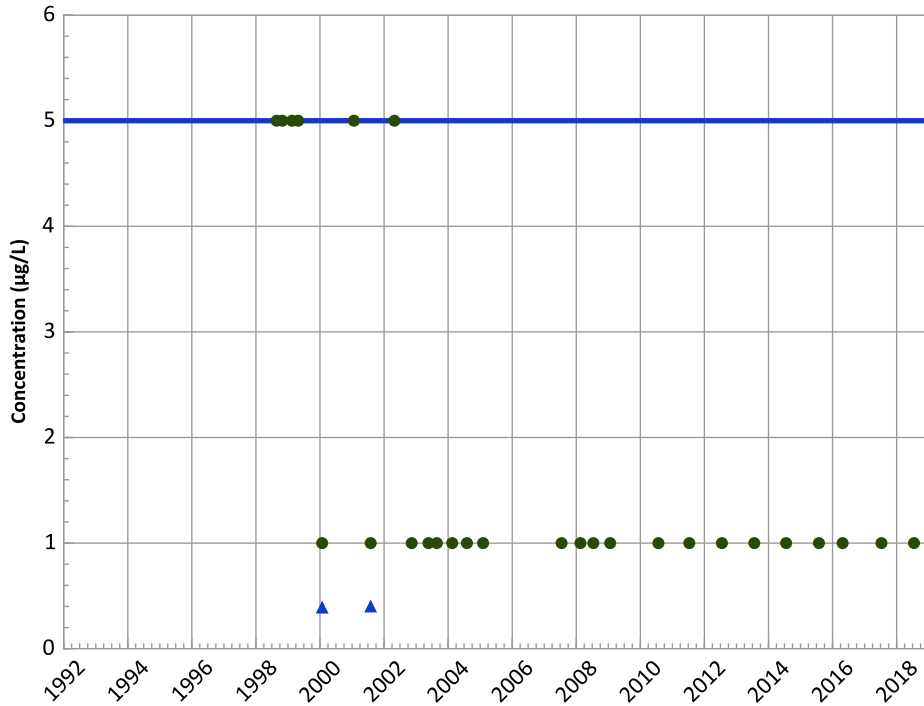
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

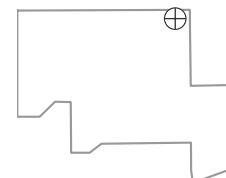
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

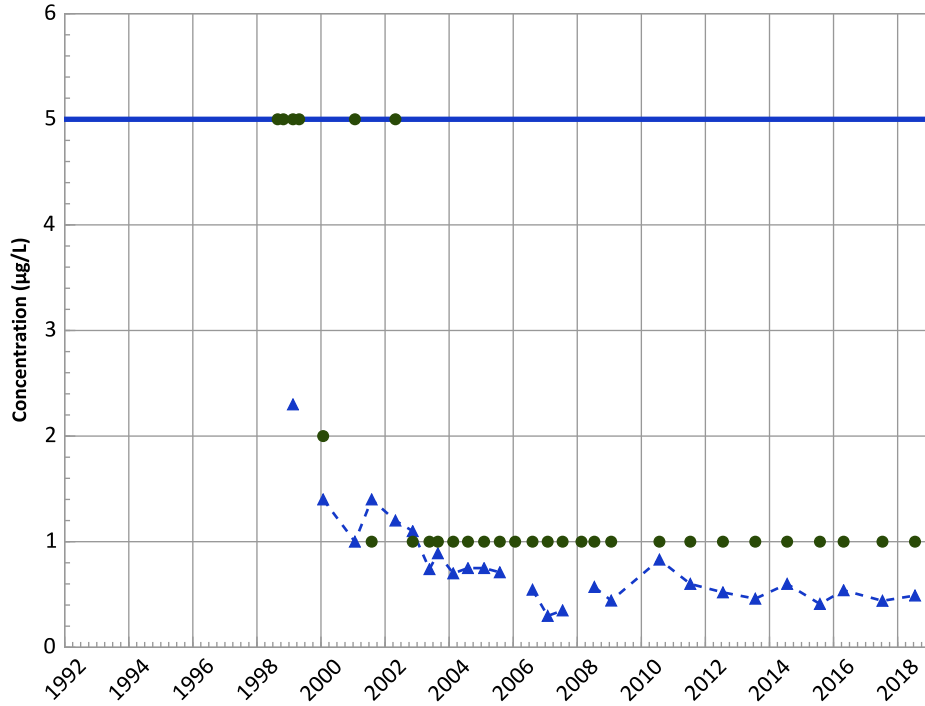


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Decreasing

MAROS Linear Regression Method

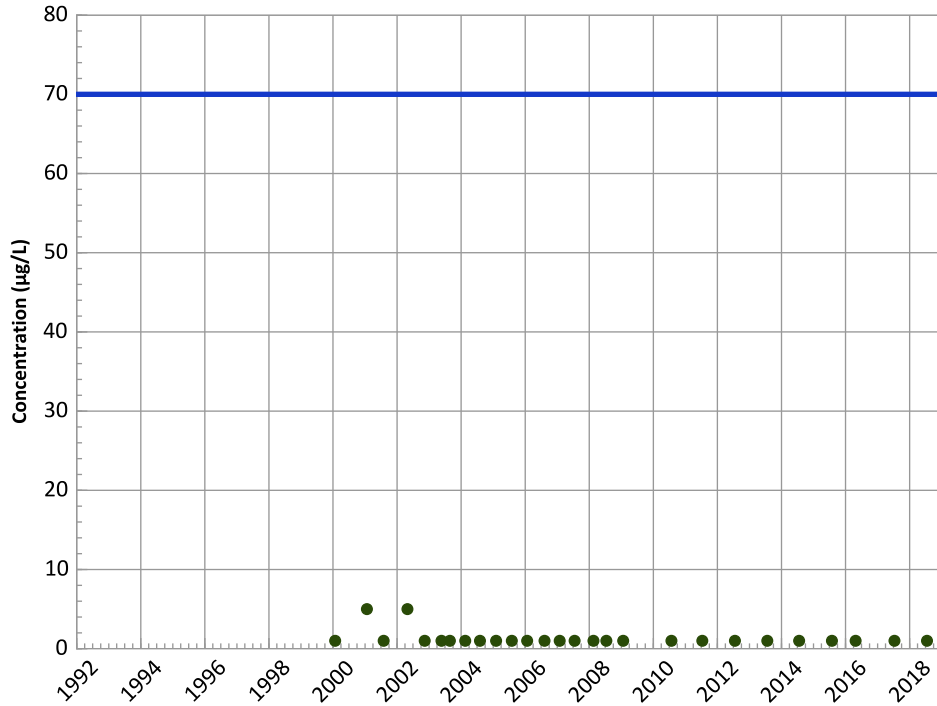
Data (2017 - 2021):

Stable

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

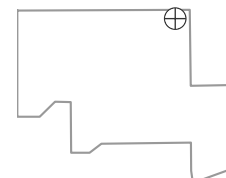
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

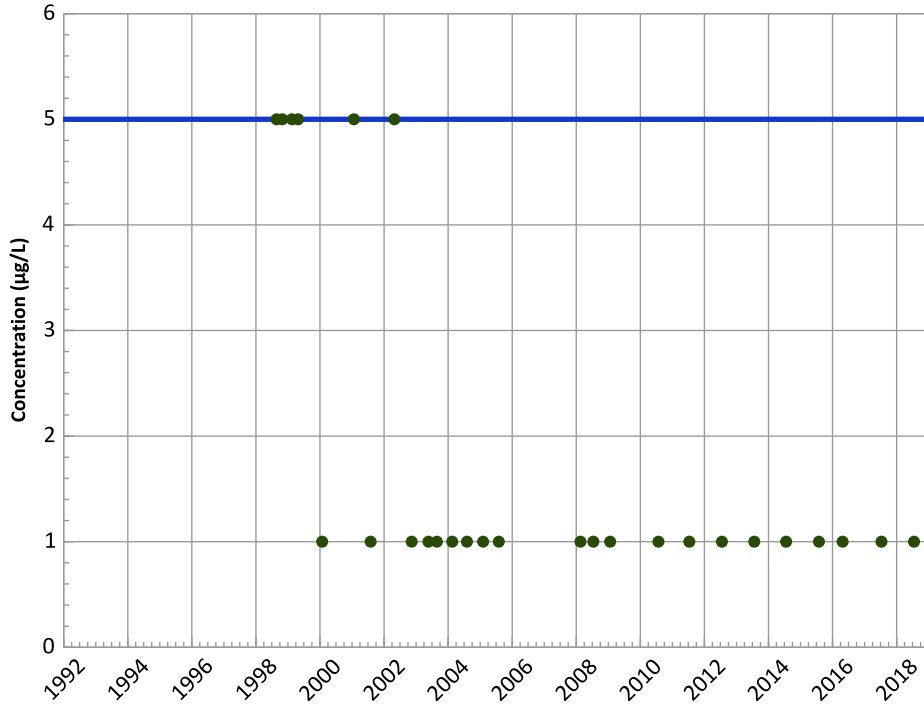
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

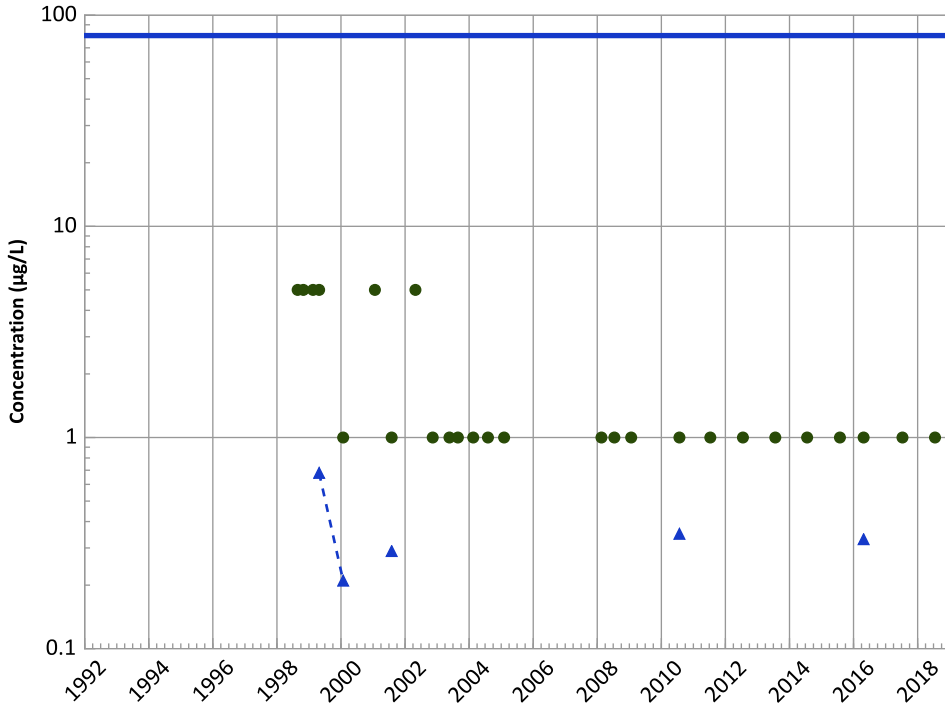
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

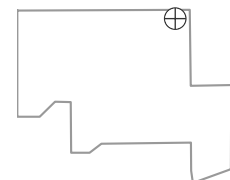
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Stable

Well Location

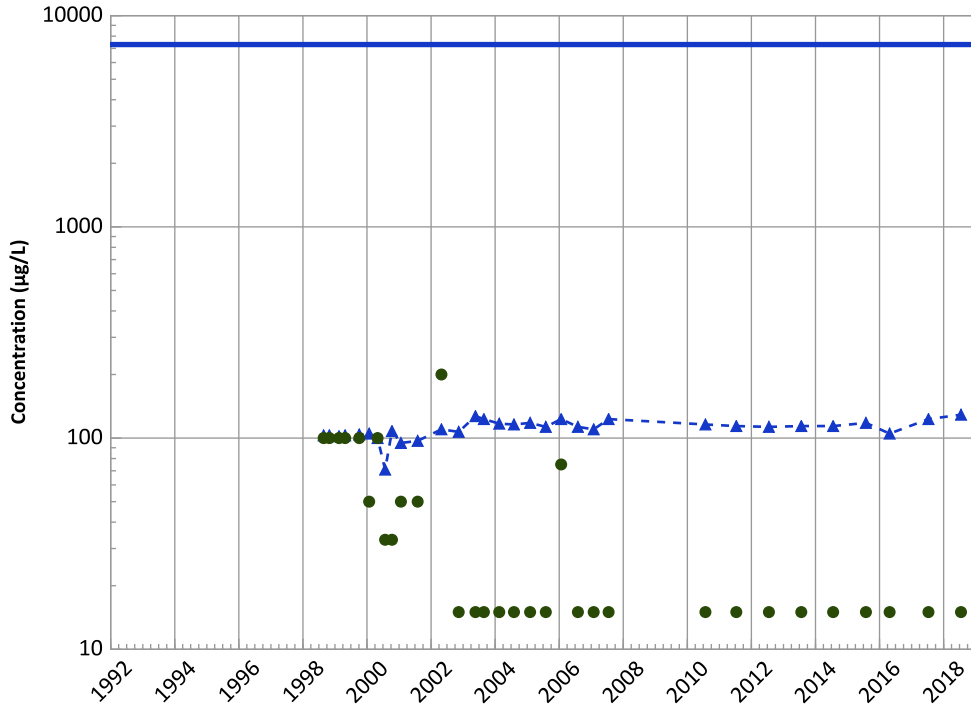


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX04-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

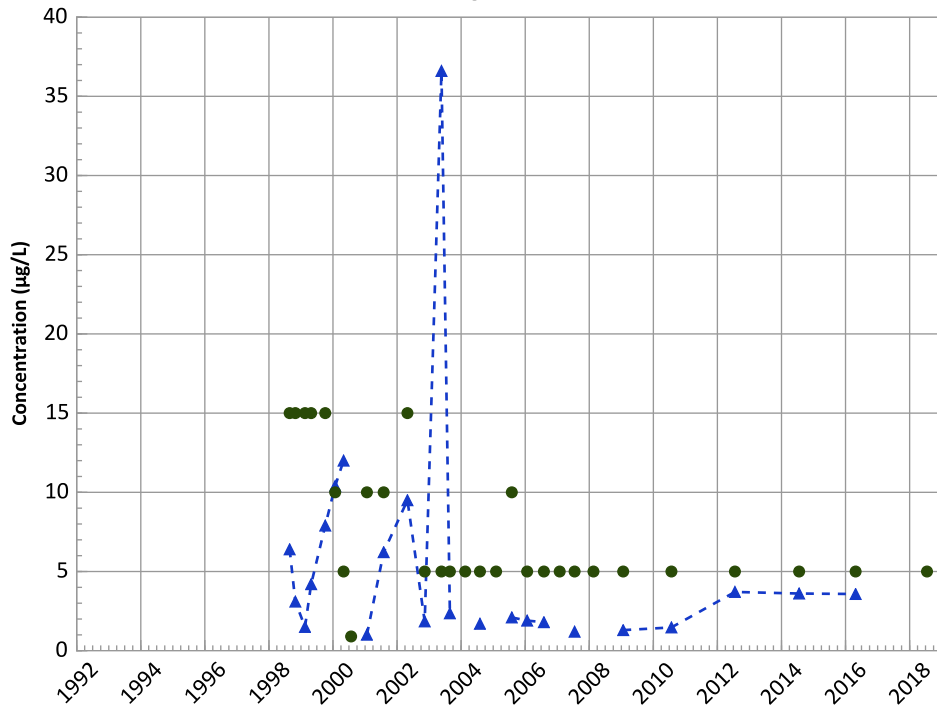
Data (2017 - 2021):

Stable

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

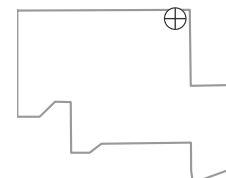
All Data:

Probably Decreasing

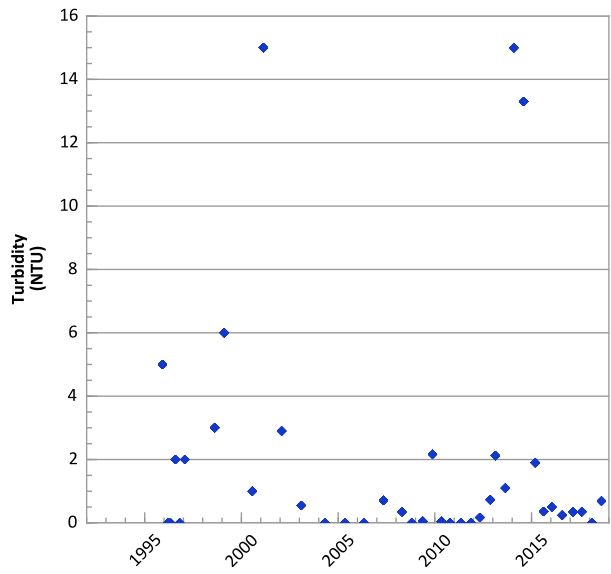
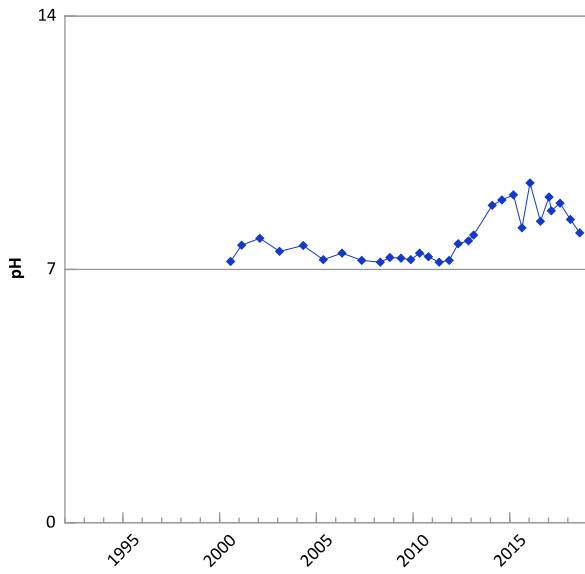
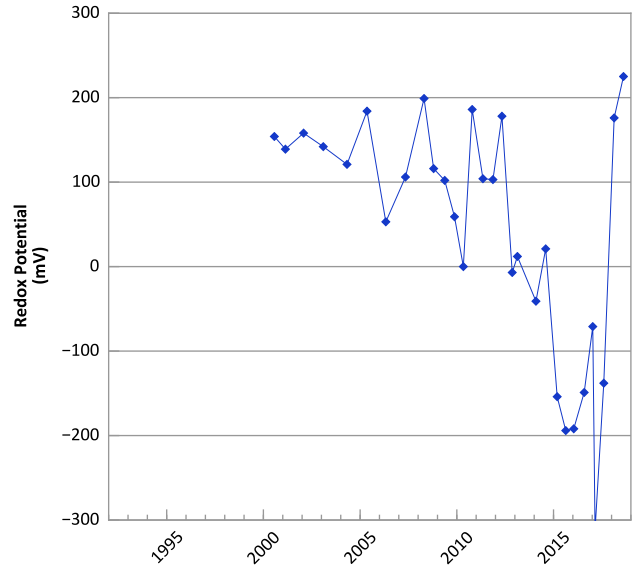
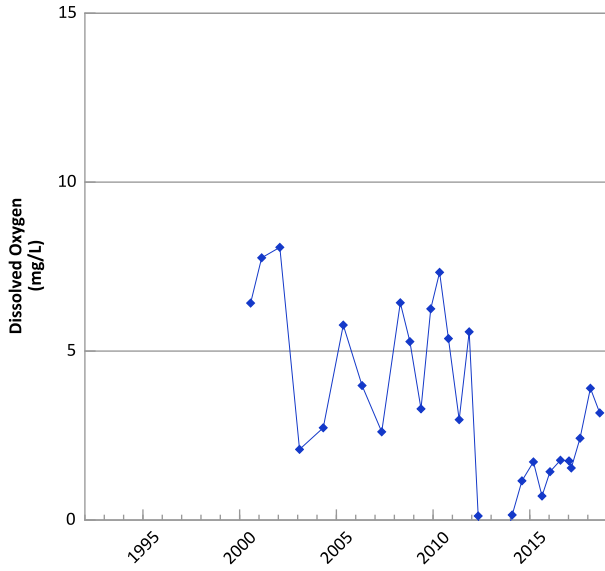
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

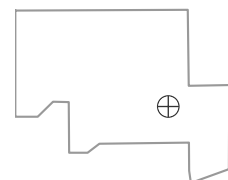


**PTX06-1002A in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



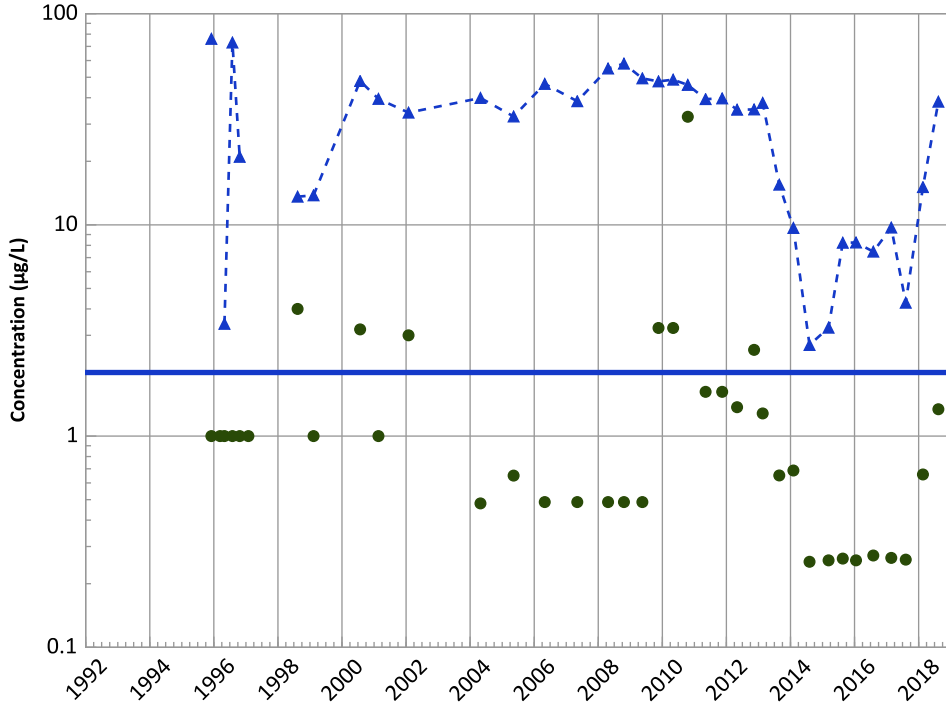
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/04/1995 to 08/14/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

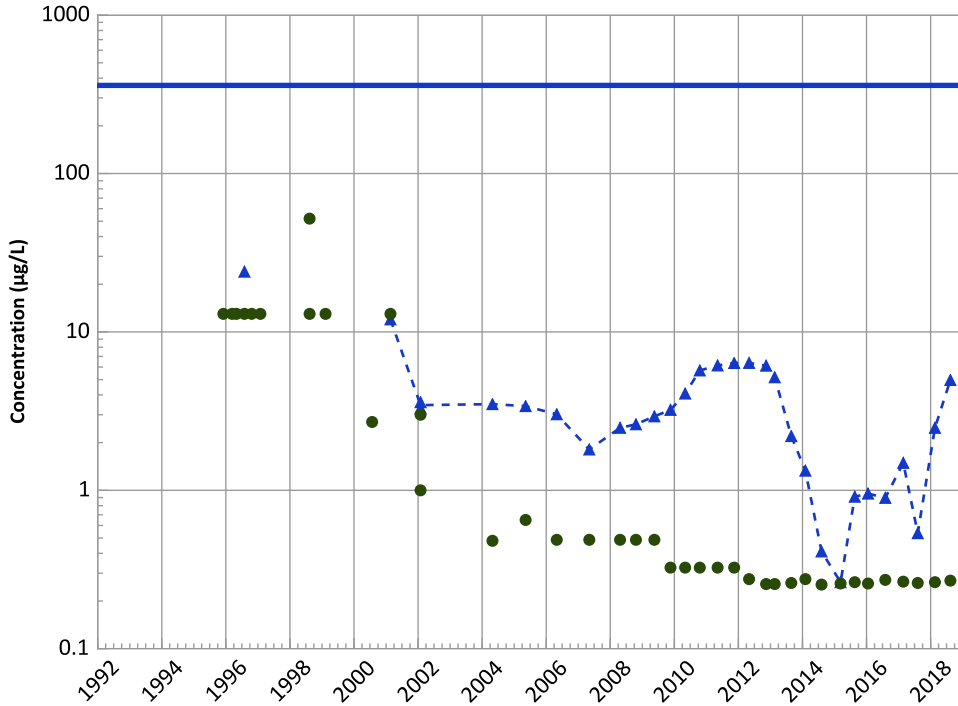
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

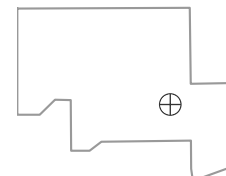
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

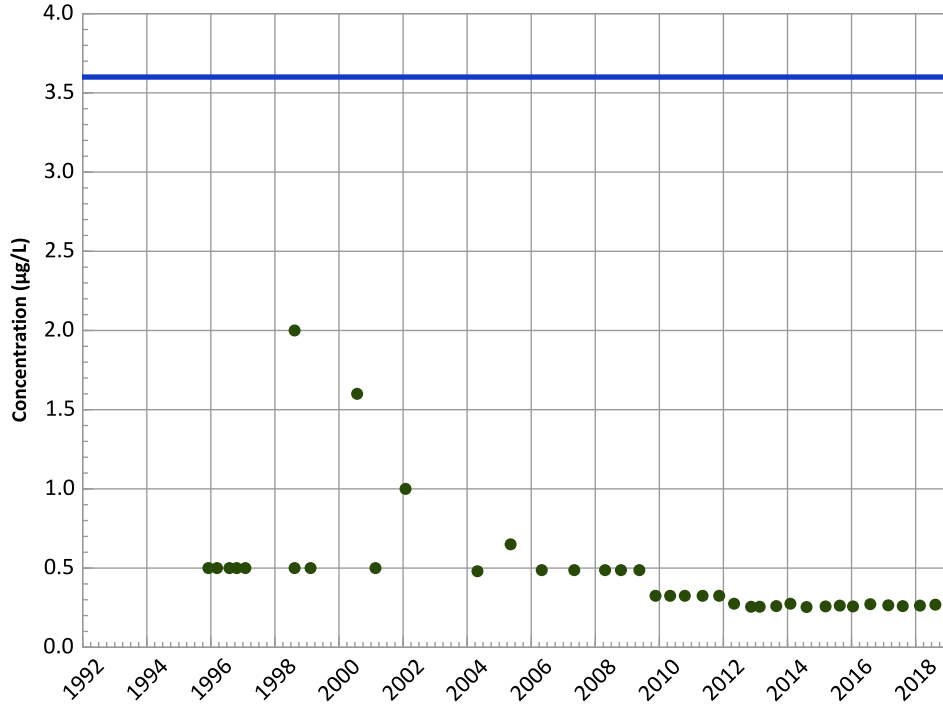
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

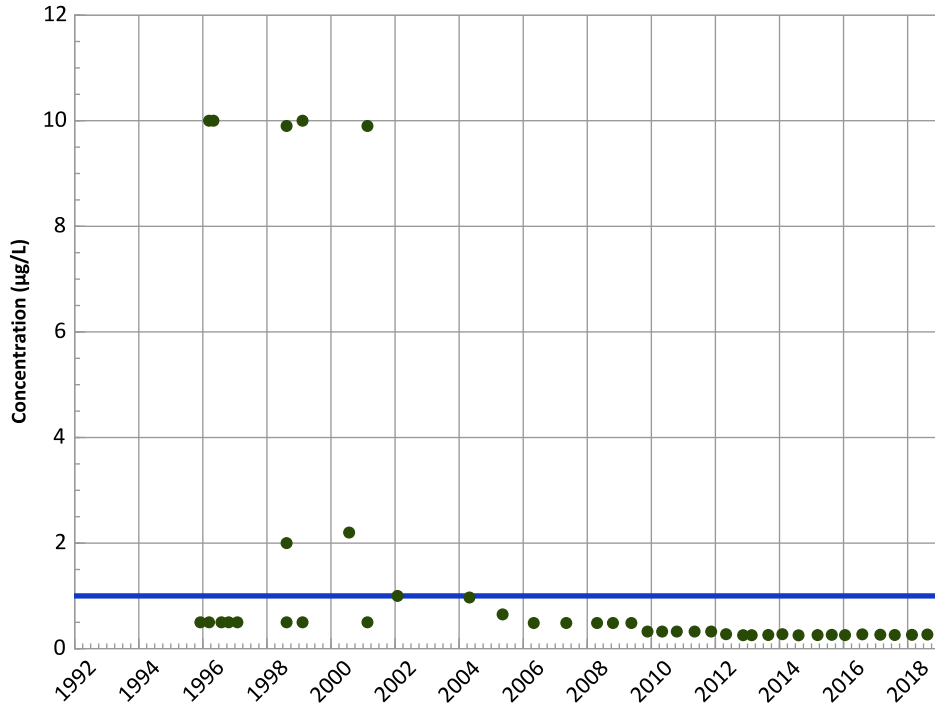
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

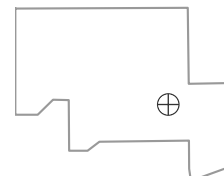
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

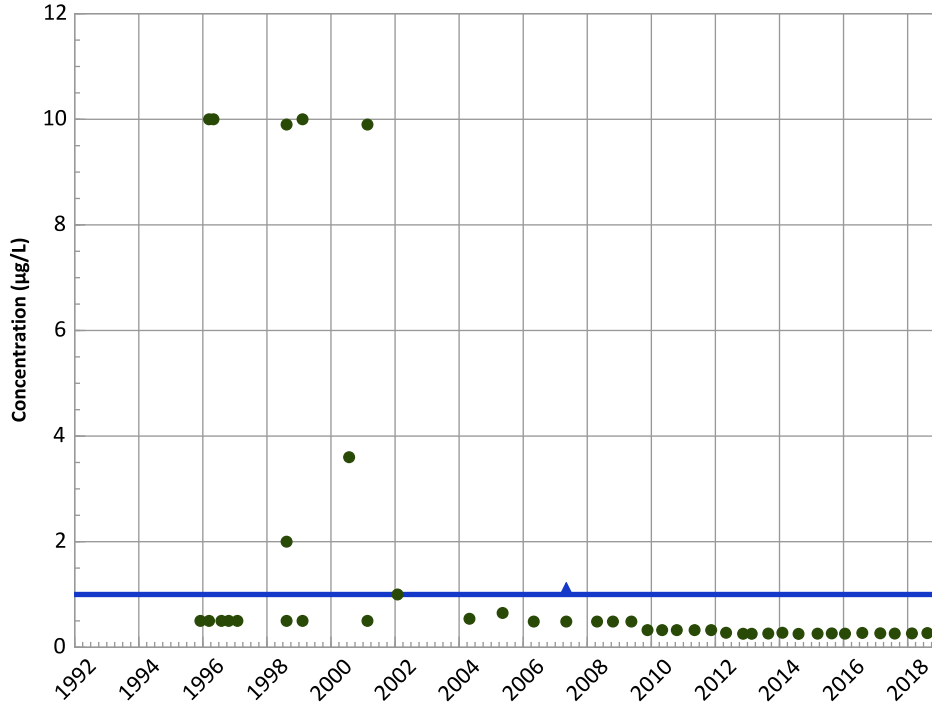
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

2,6-Dinitrotoluene Trend



Concentration Trend

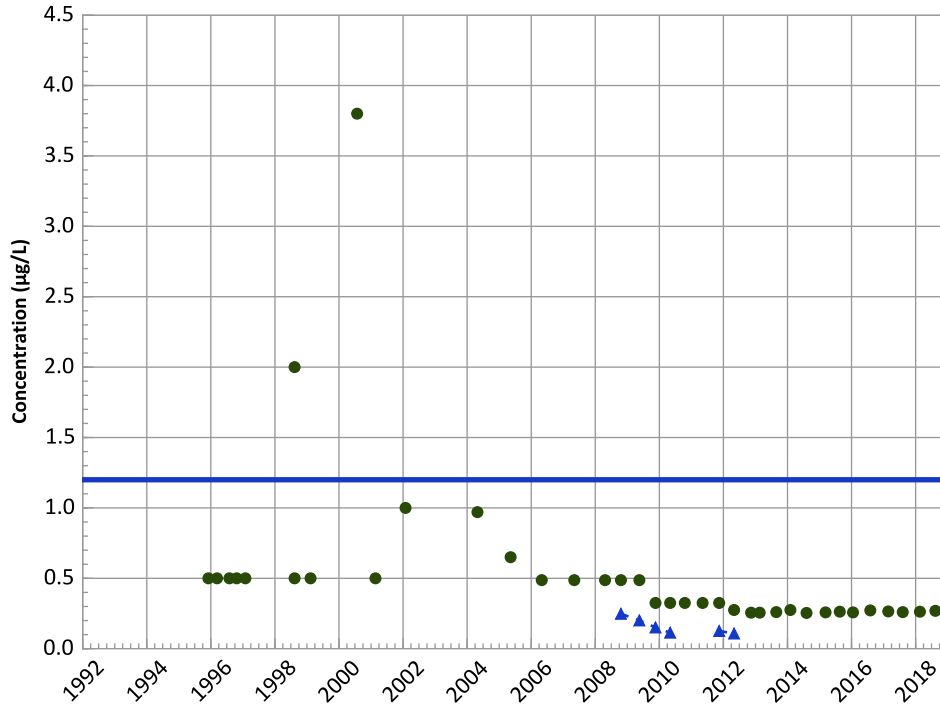
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

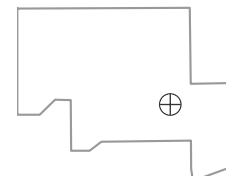
MAROS Linear Regression Method

Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

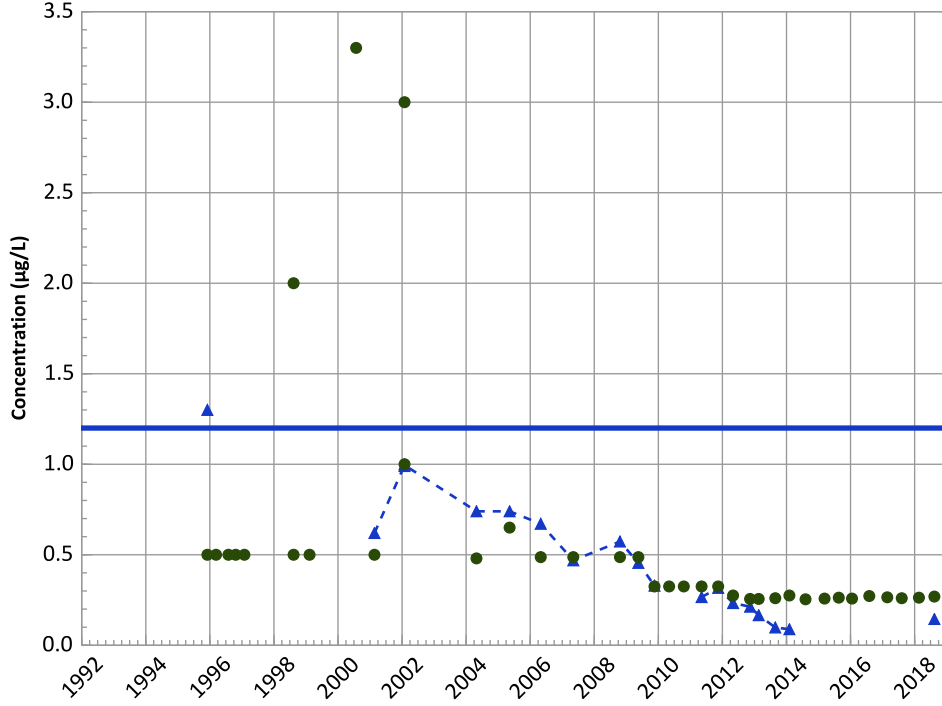
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

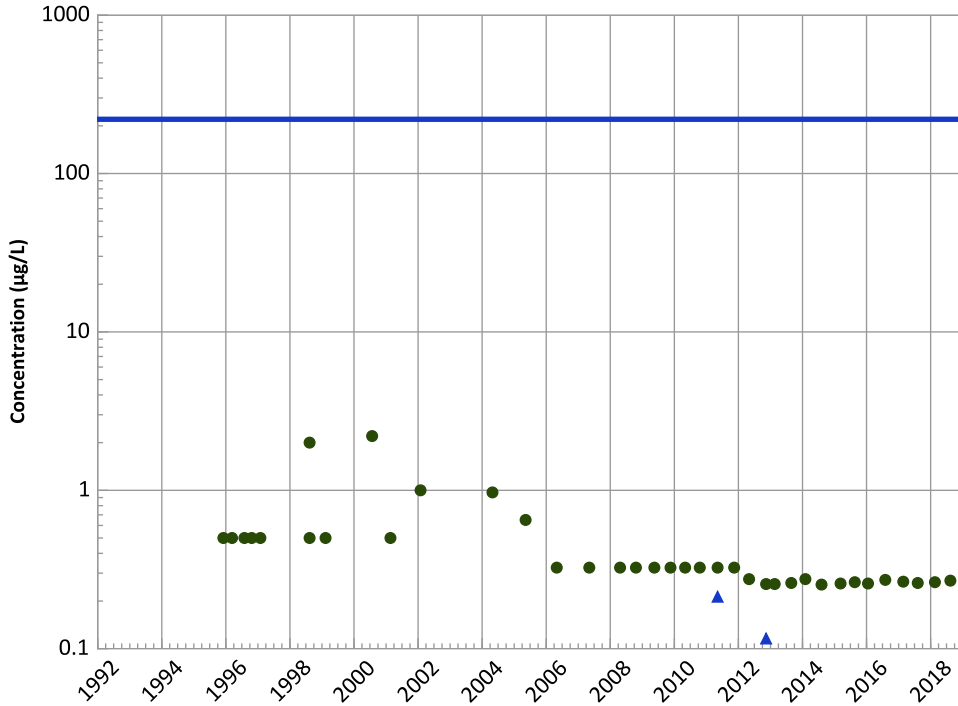
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

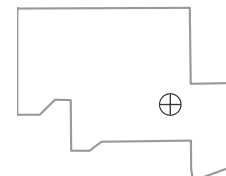
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

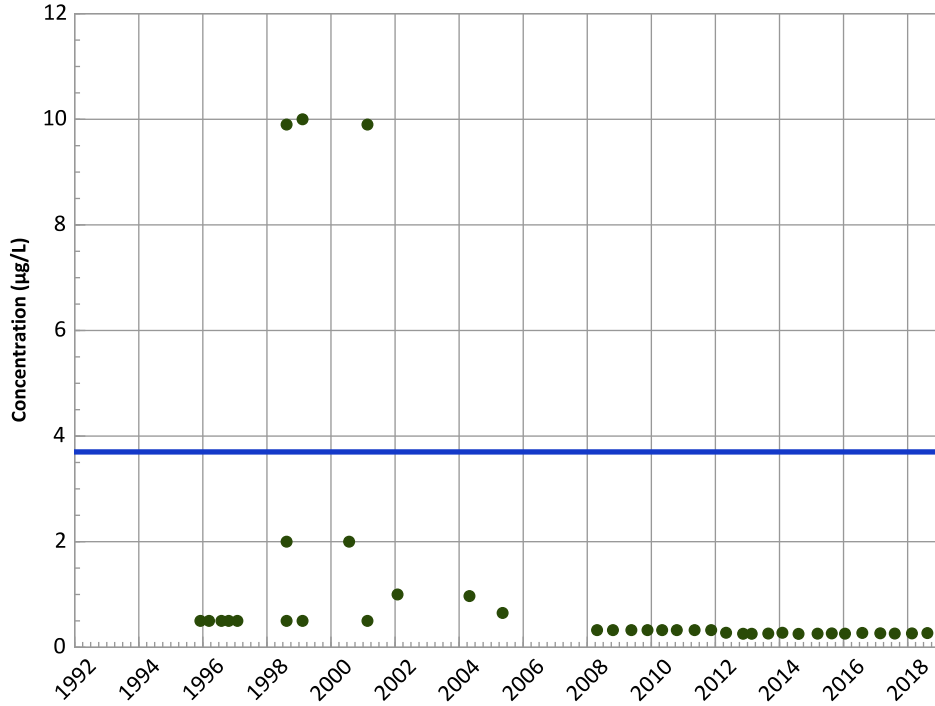
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

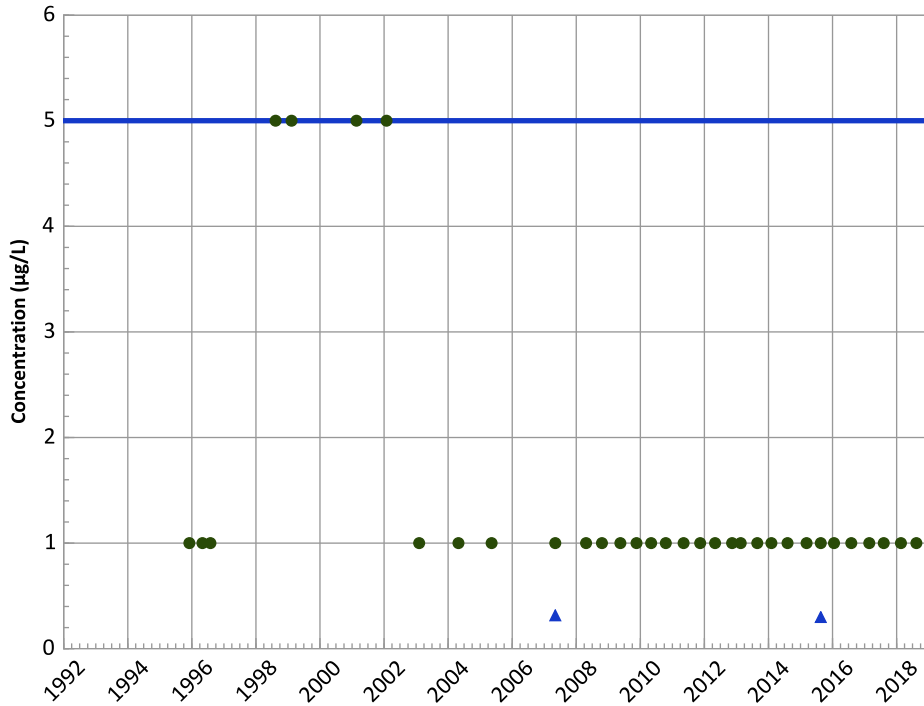
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

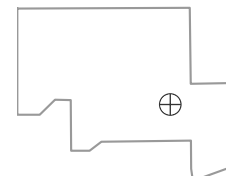
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

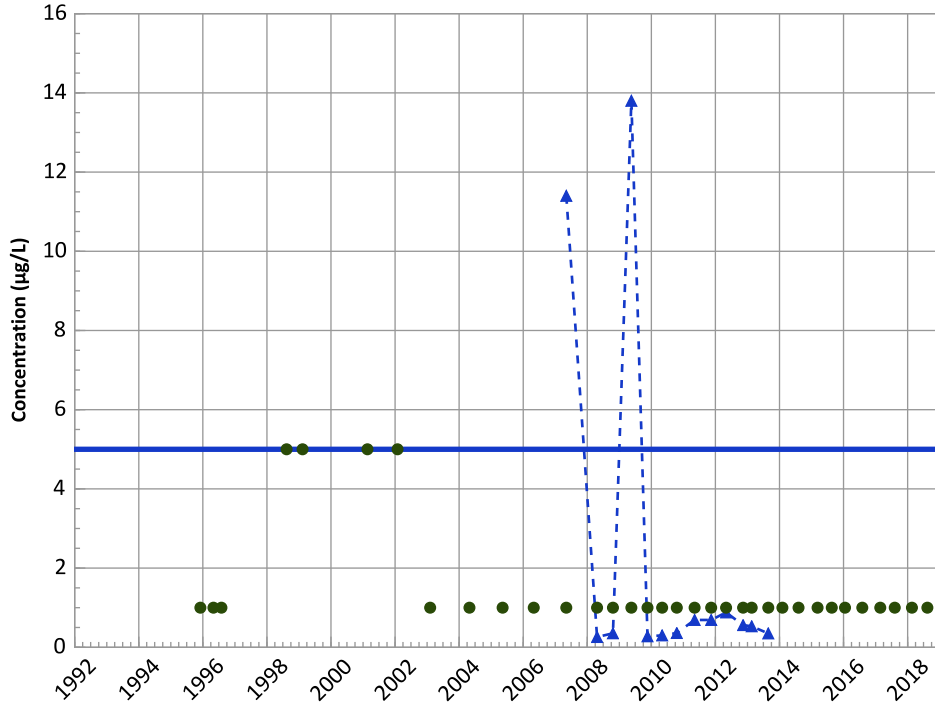
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

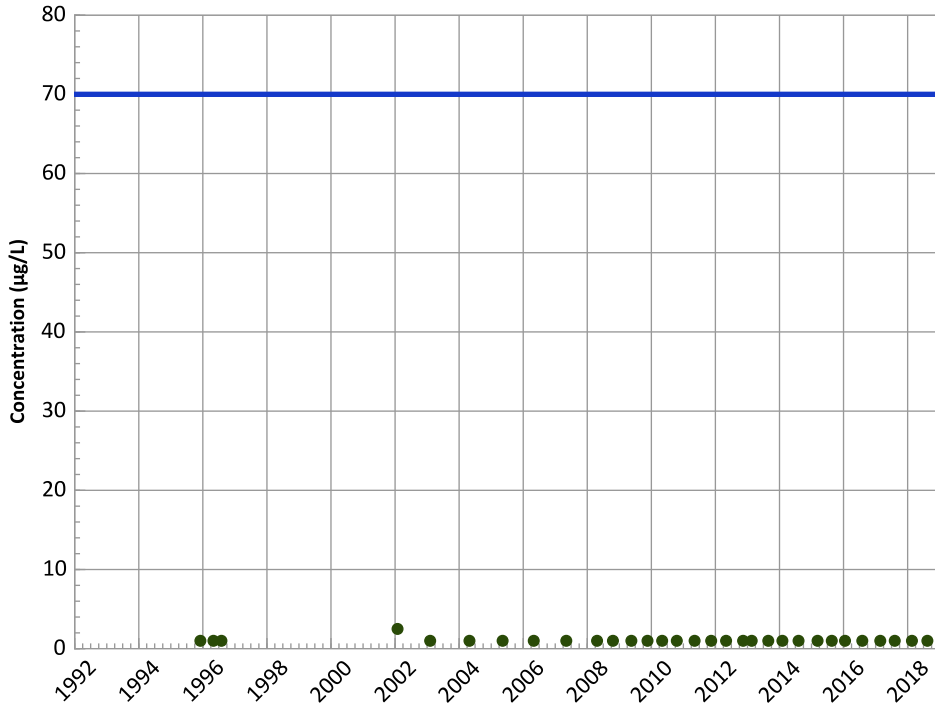
Data (2017 - 2021):

Decreasing

All Data:

No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

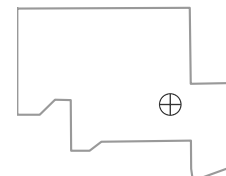
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

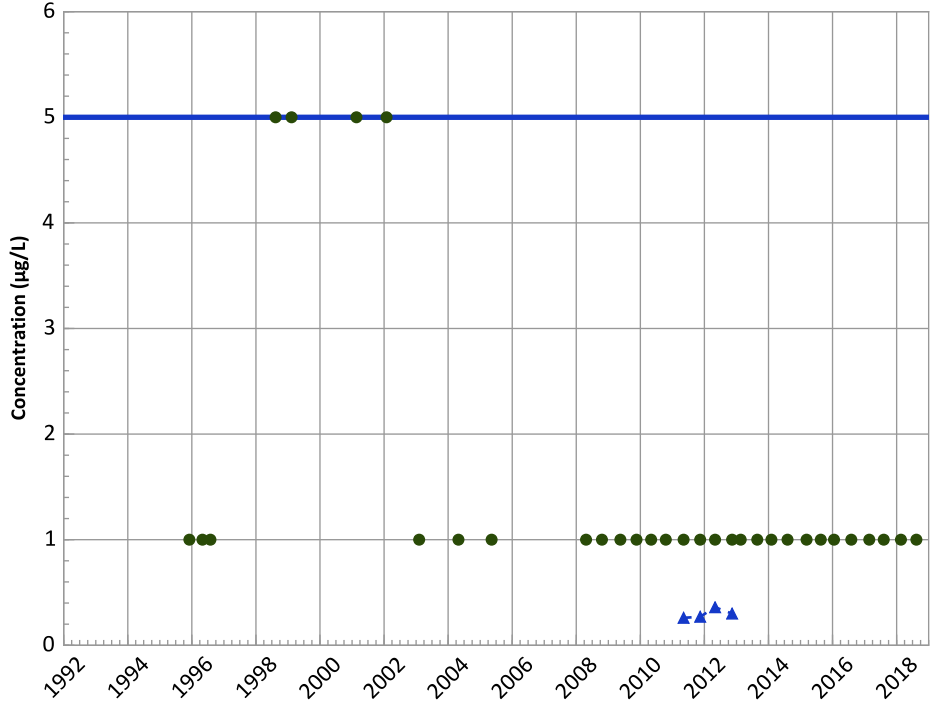
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,2-Dichloroethane Trend

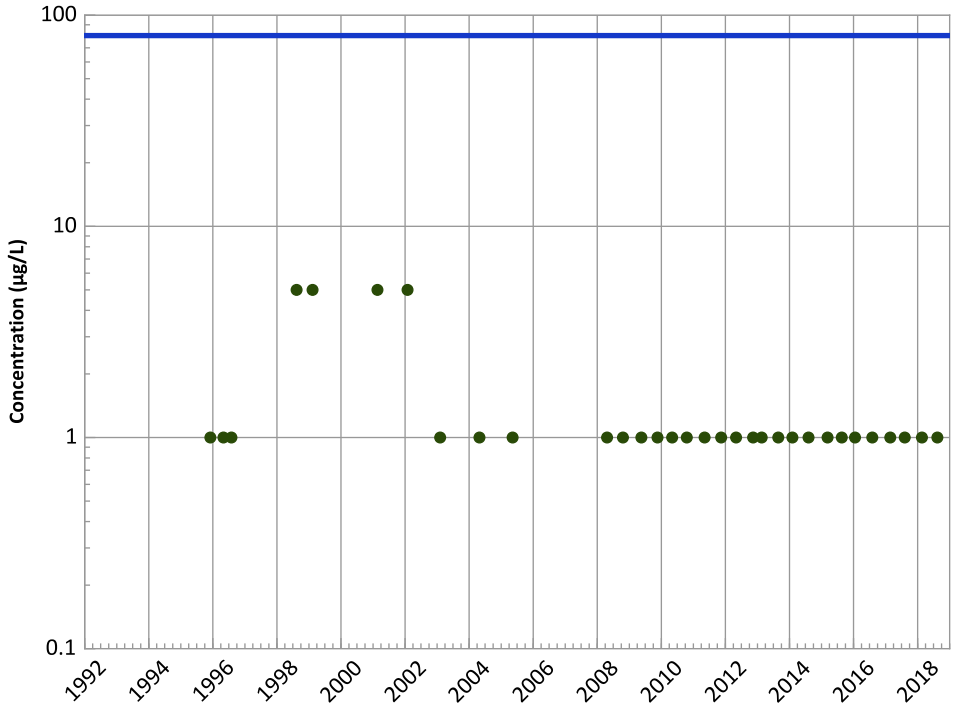


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Chloroform Trend

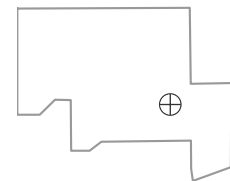


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

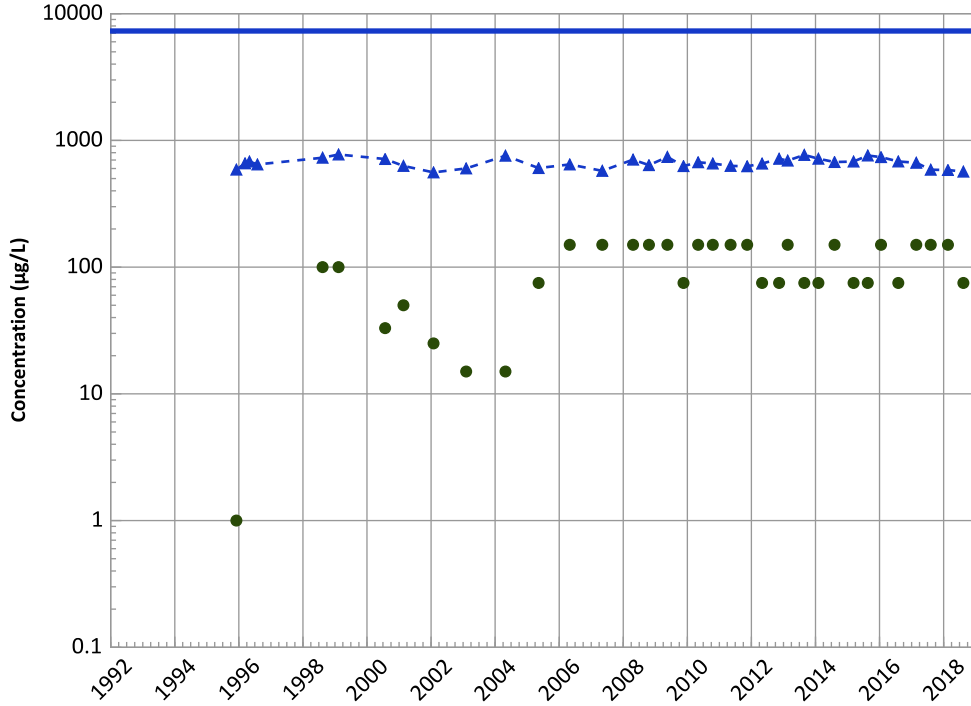


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

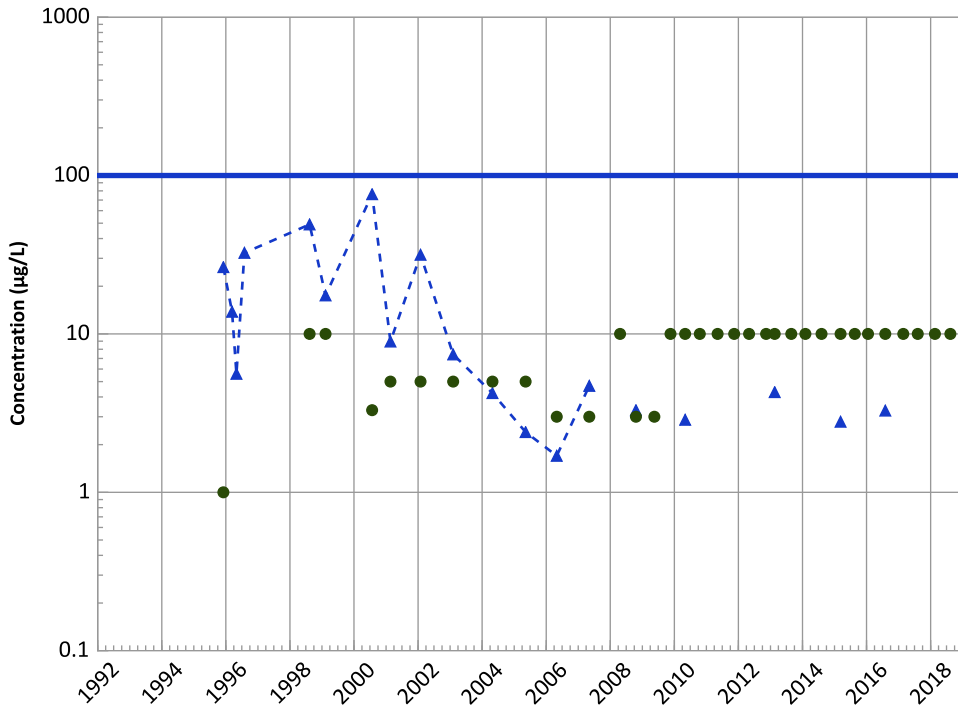
Data (2017 - 2021):

No Trend

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

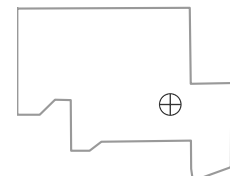
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

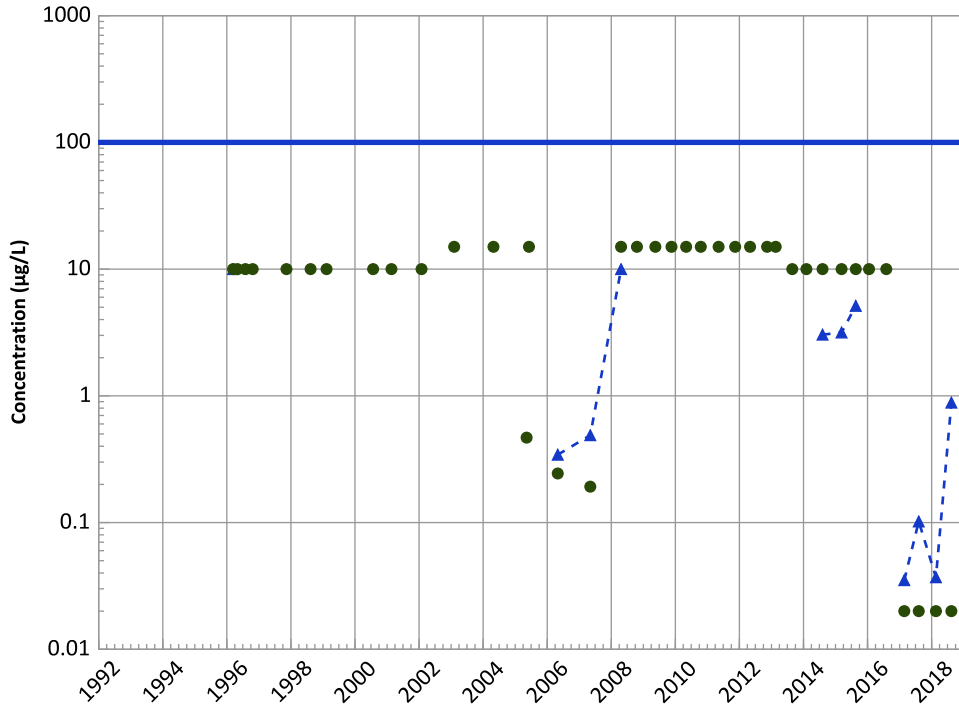
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Chromium, Hexavalent Trend

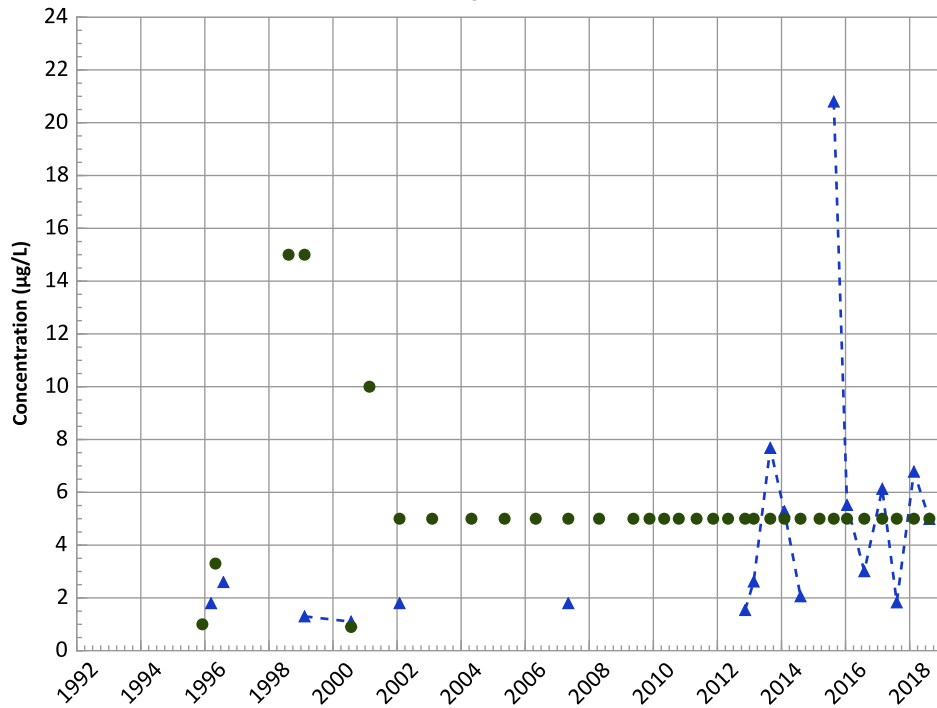


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Manganese Trend



Concentration Trend

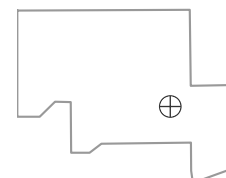
MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Increasing

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

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

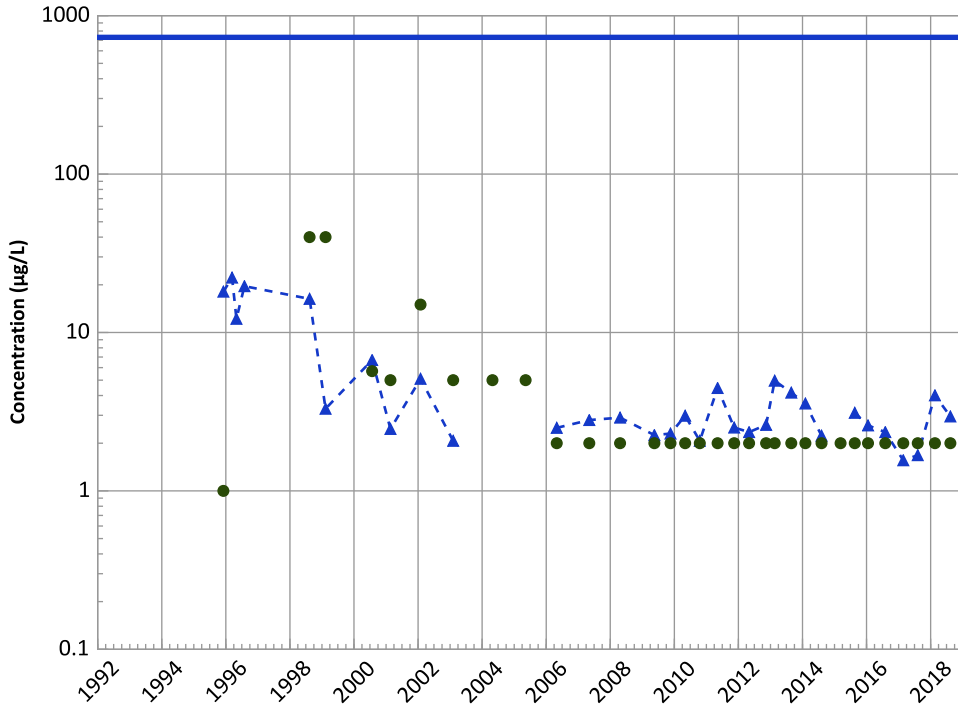
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

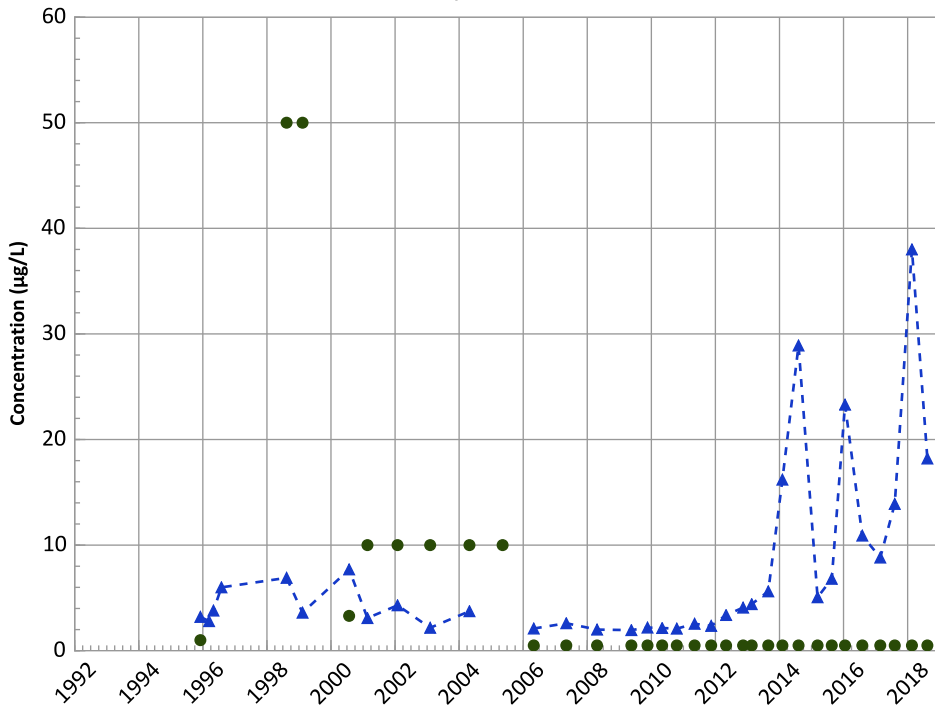
Data (2017 - 2021):

Stable

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

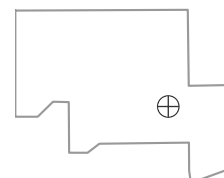
All Data:

Increasing

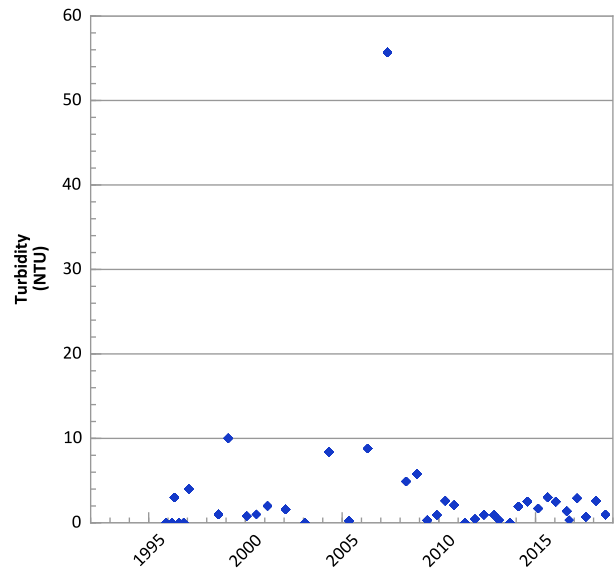
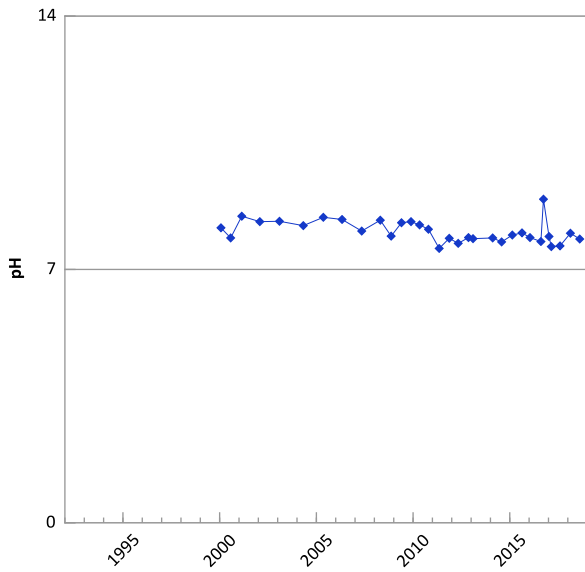
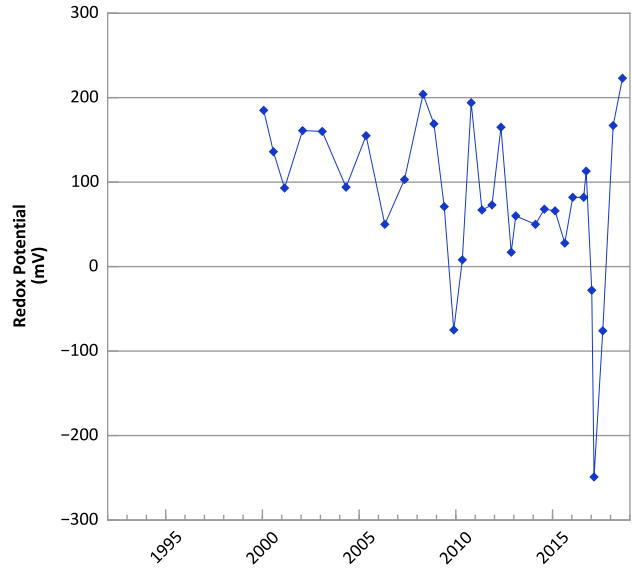
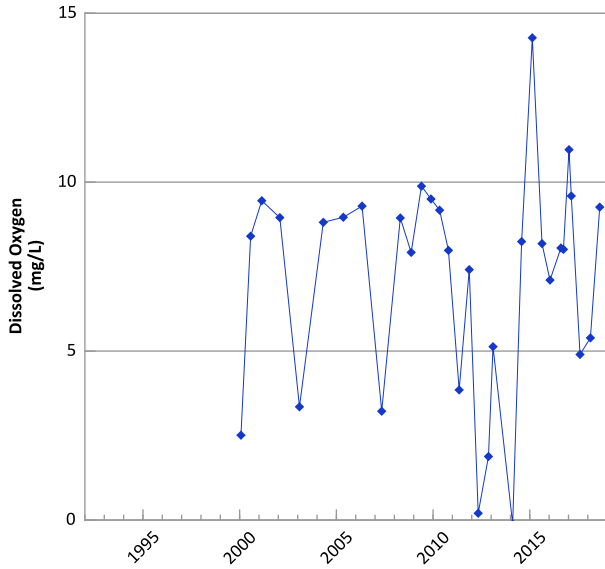
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/04/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

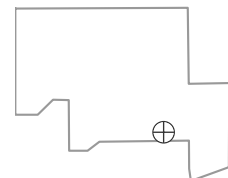


**PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



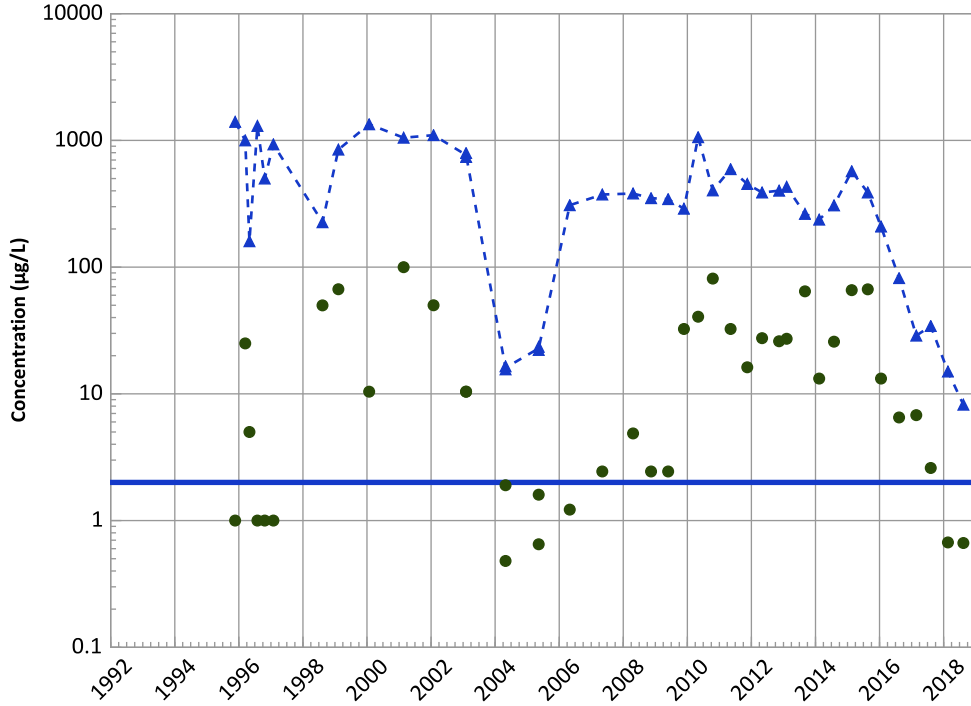
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/20/1995 to 08/14/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

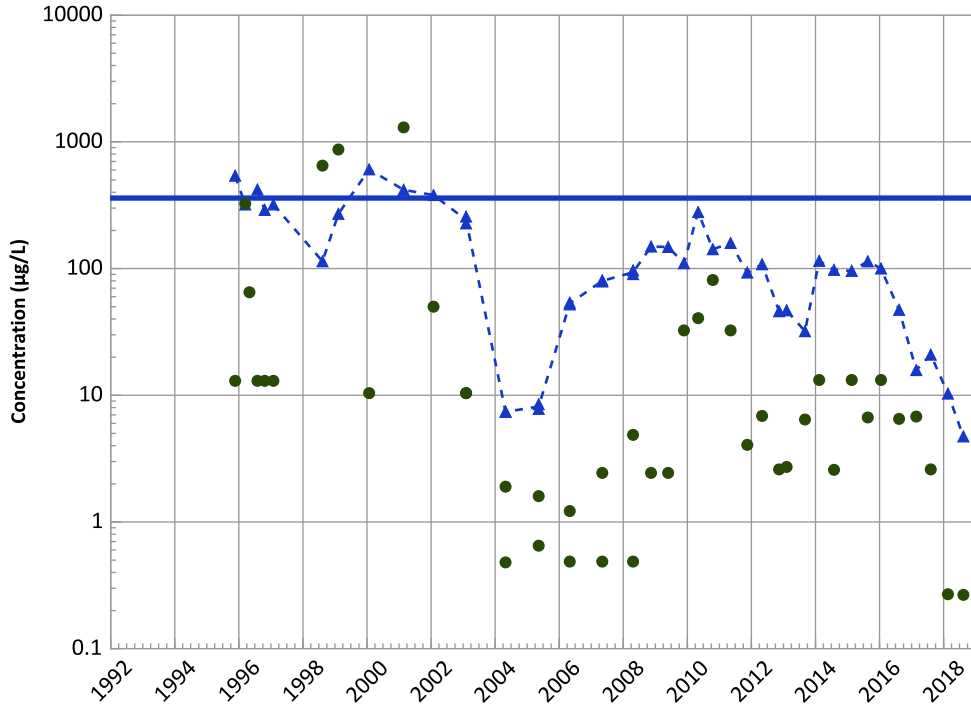
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

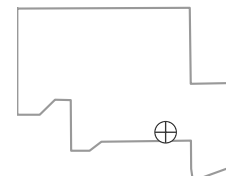
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

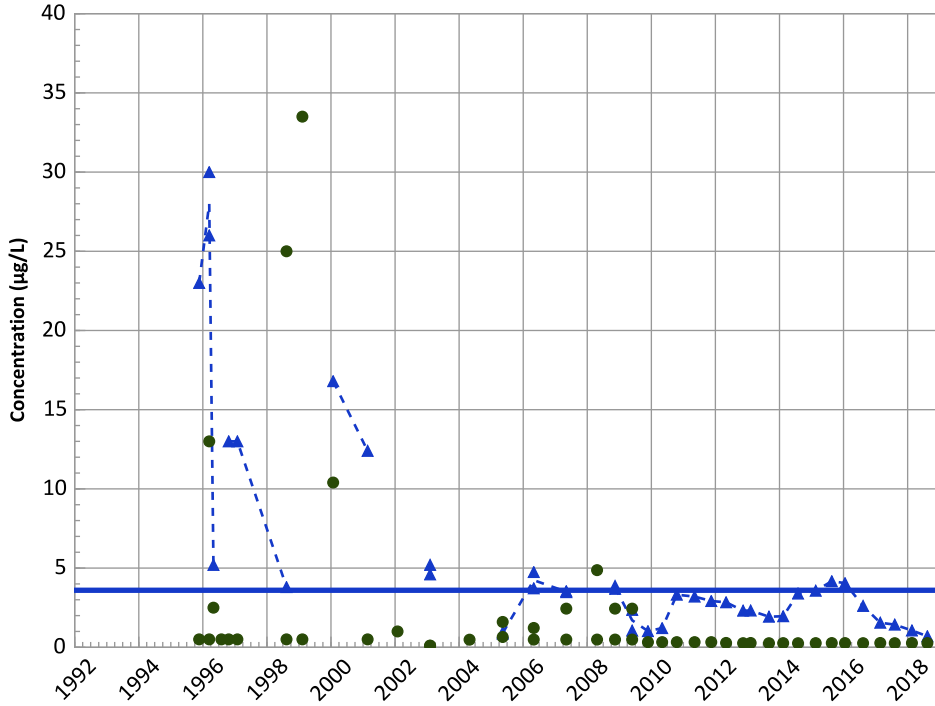
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

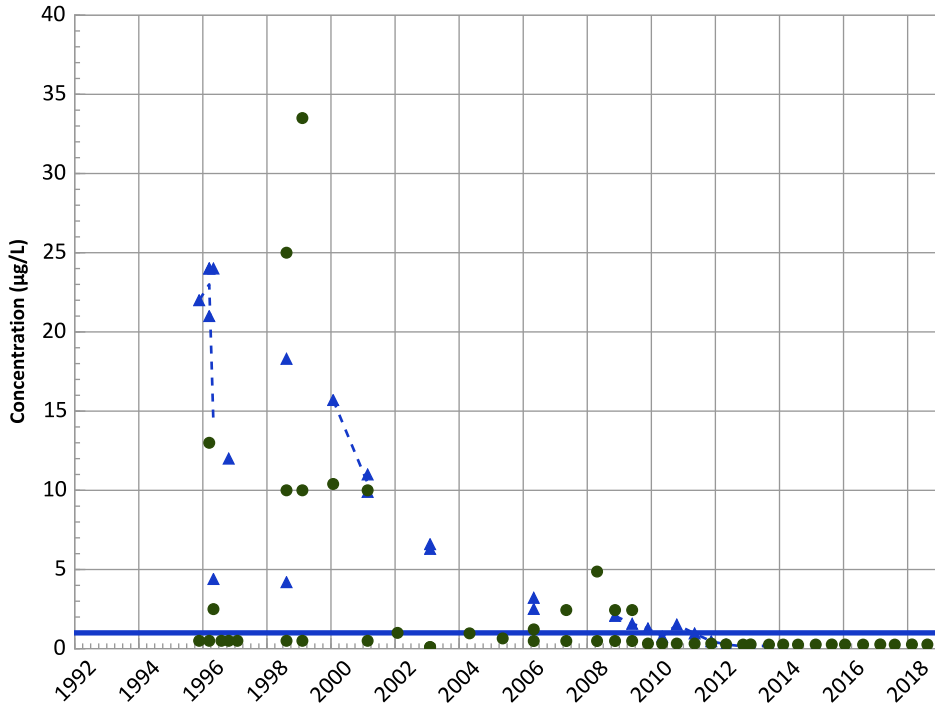
Data (2017 - 2021):

Increasing

All Data:

Decreasing

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

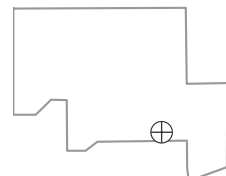
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

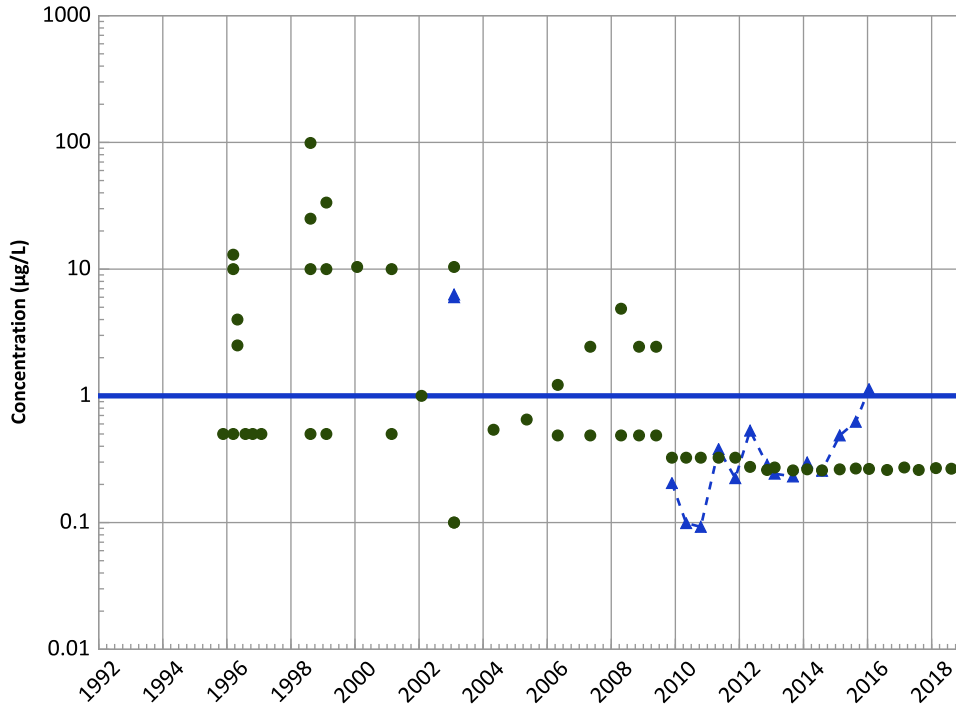
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

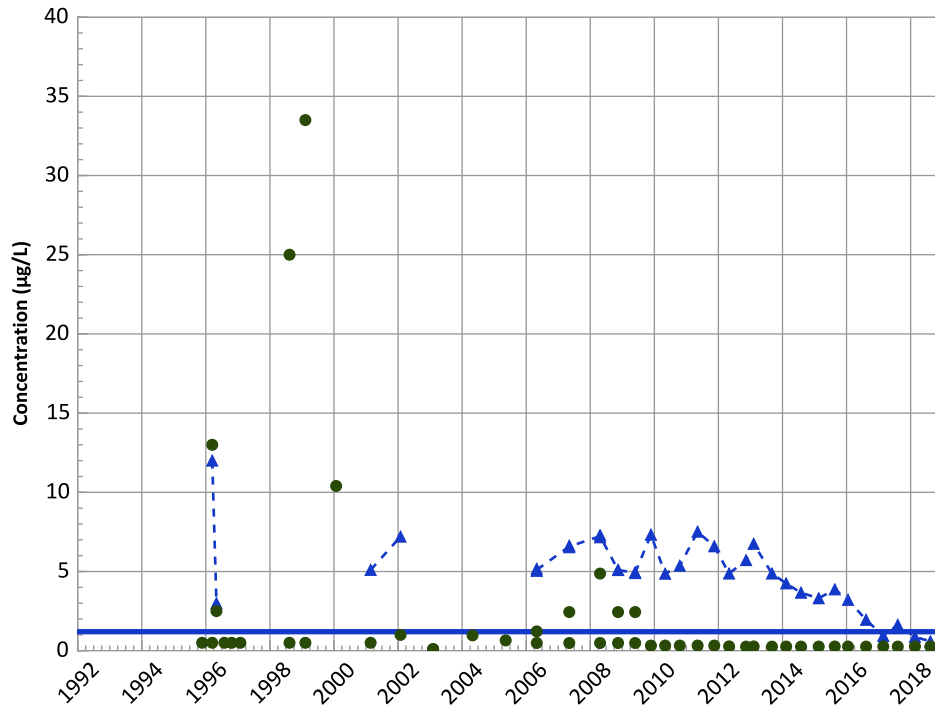
Data (2017 - 2021):

Increasing

All Data:

No Trend

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

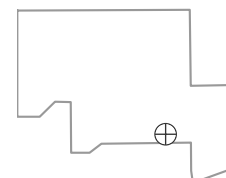
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

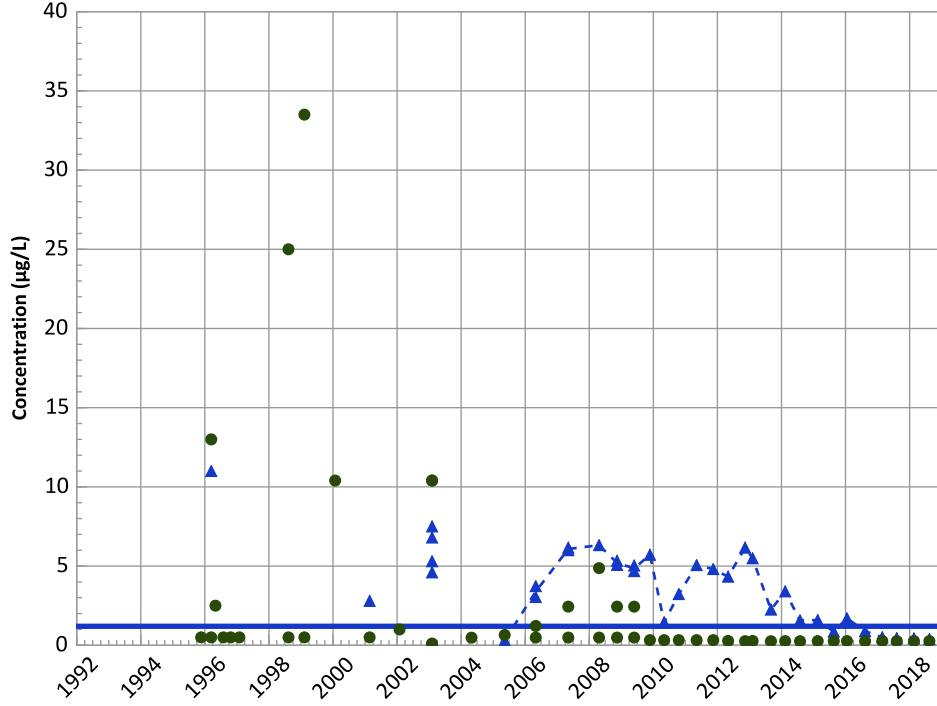
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

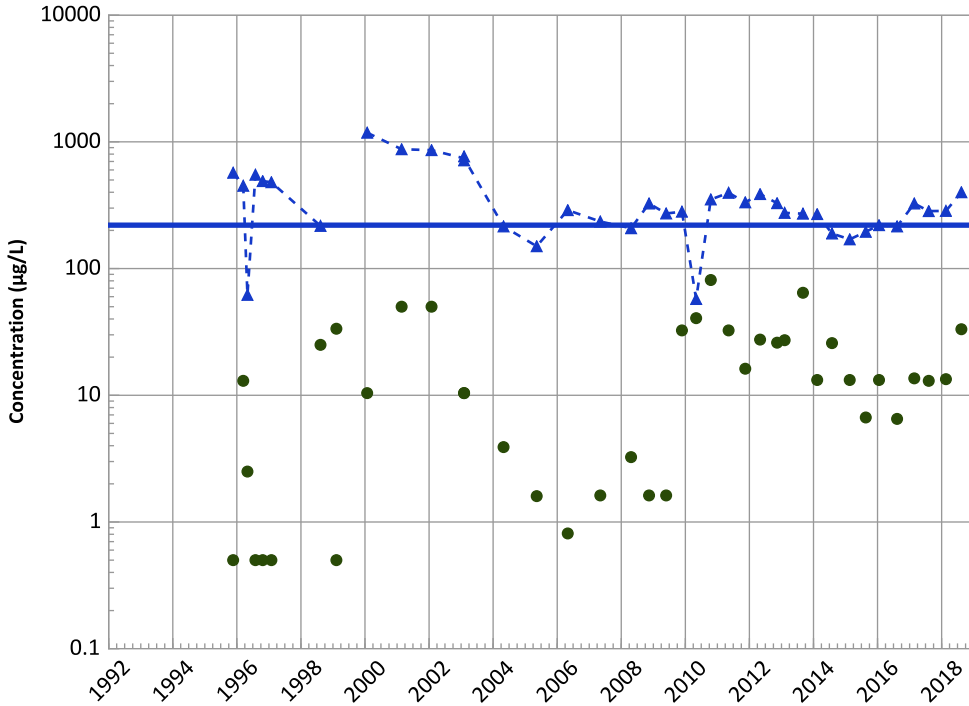
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

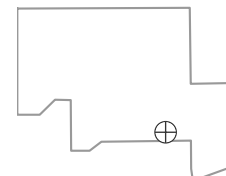
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

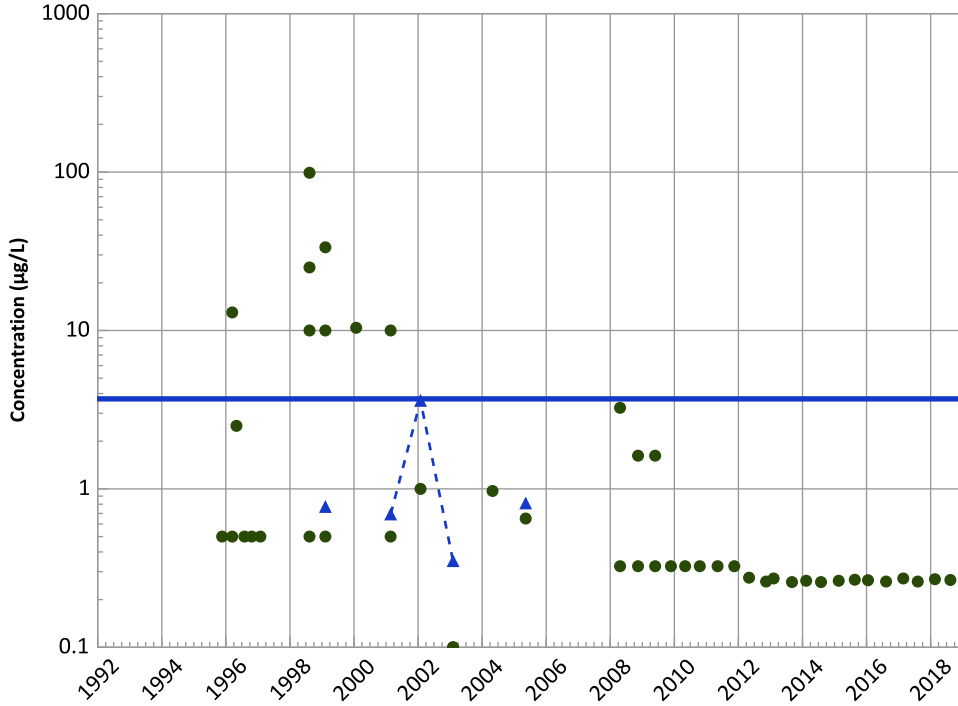
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

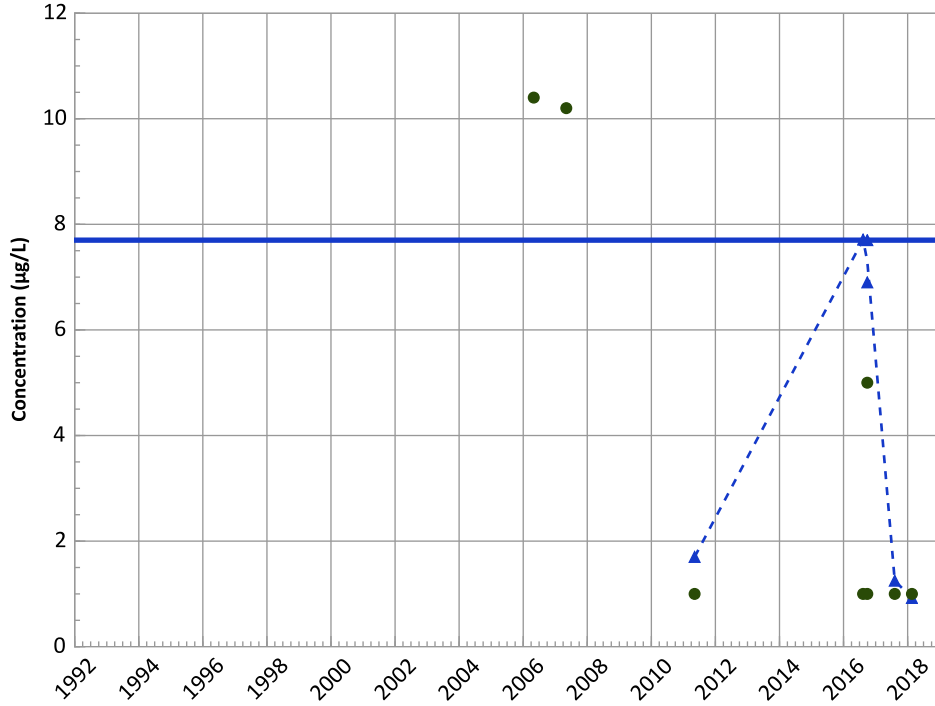
Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

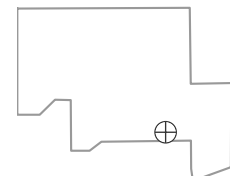
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

Well Location

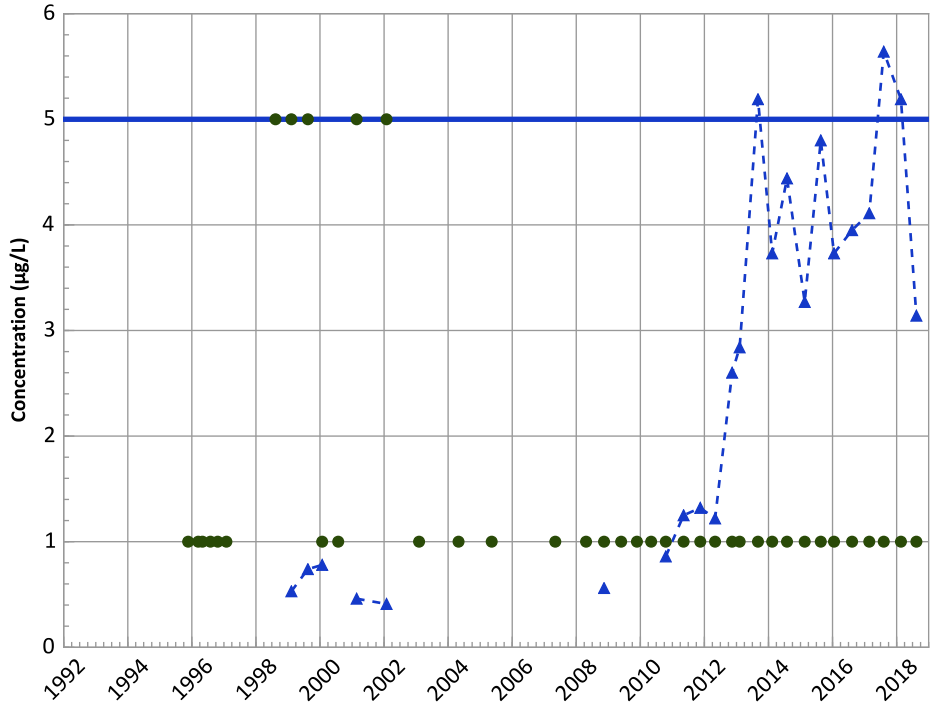


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

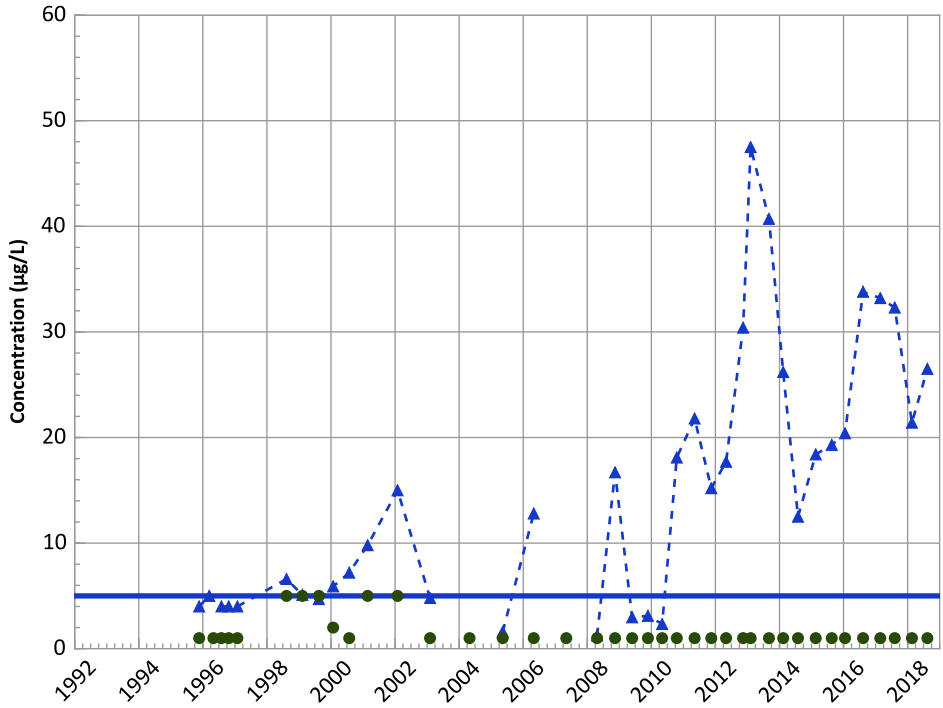
Data (2017 - 2021):

Increasing

All Data:

Increasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

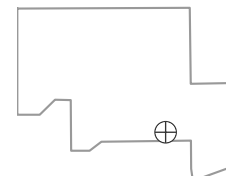
All Data:

Increasing

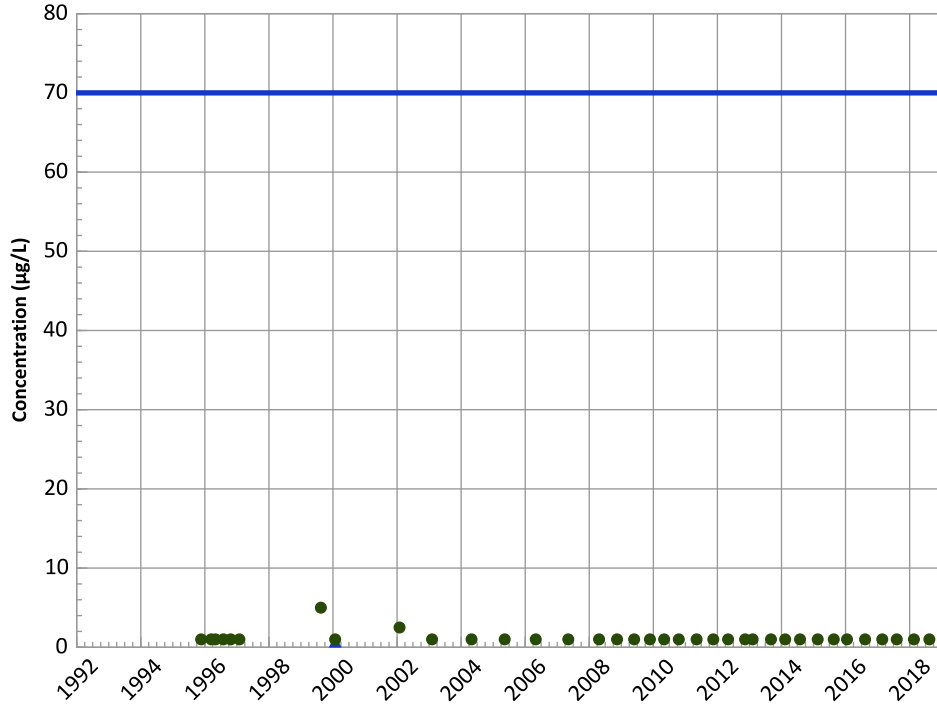
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

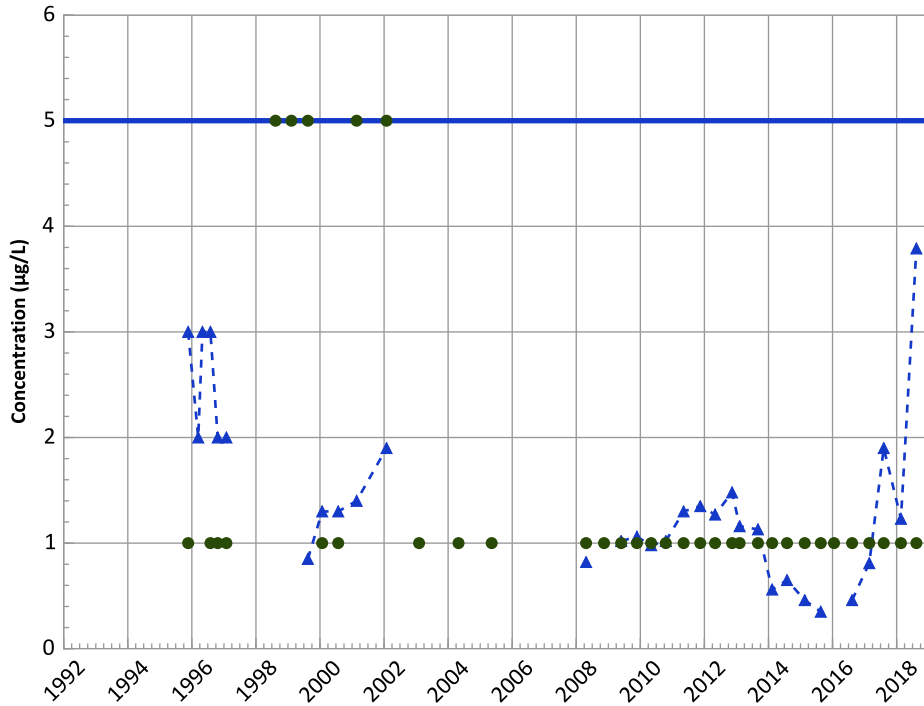
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
Decreasing
All Data:
Decreasing

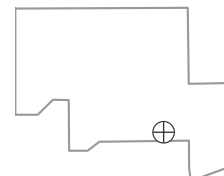
MAROS Linear Regression Method

Data (2017 - 2021):
Decreasing
All Data:
Decreasing

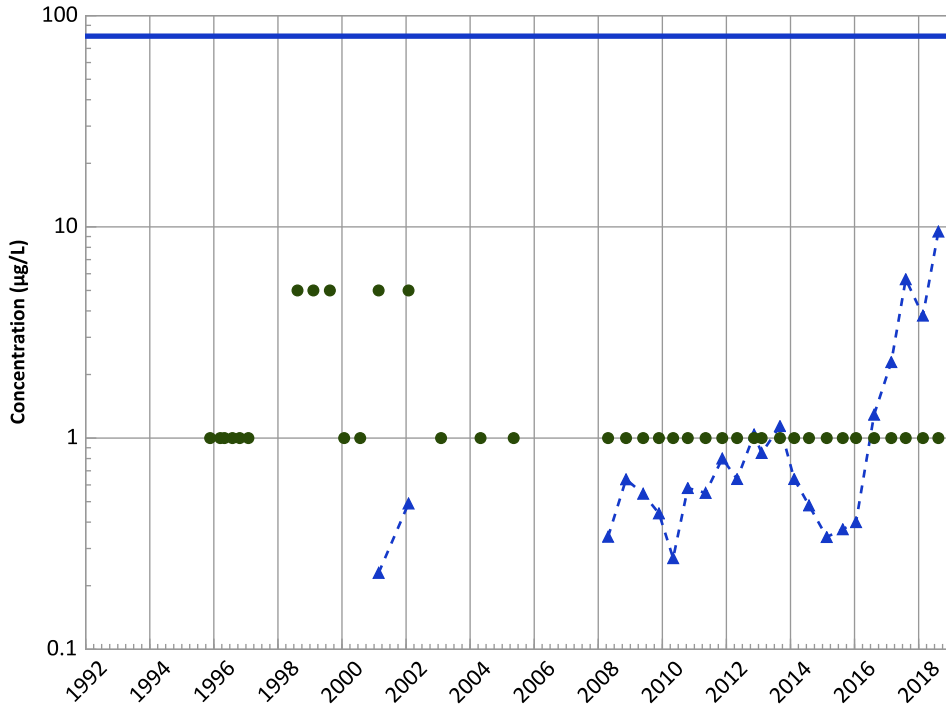
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend

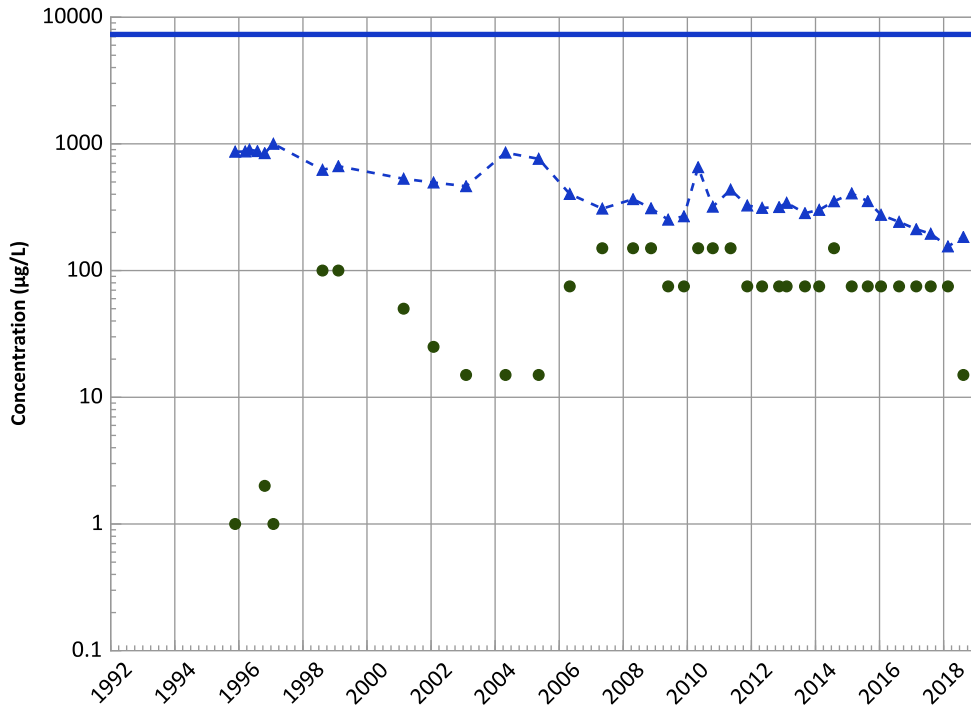


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Increasing

Boron Trend

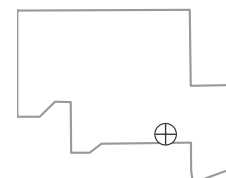


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Decreasing

Well Location

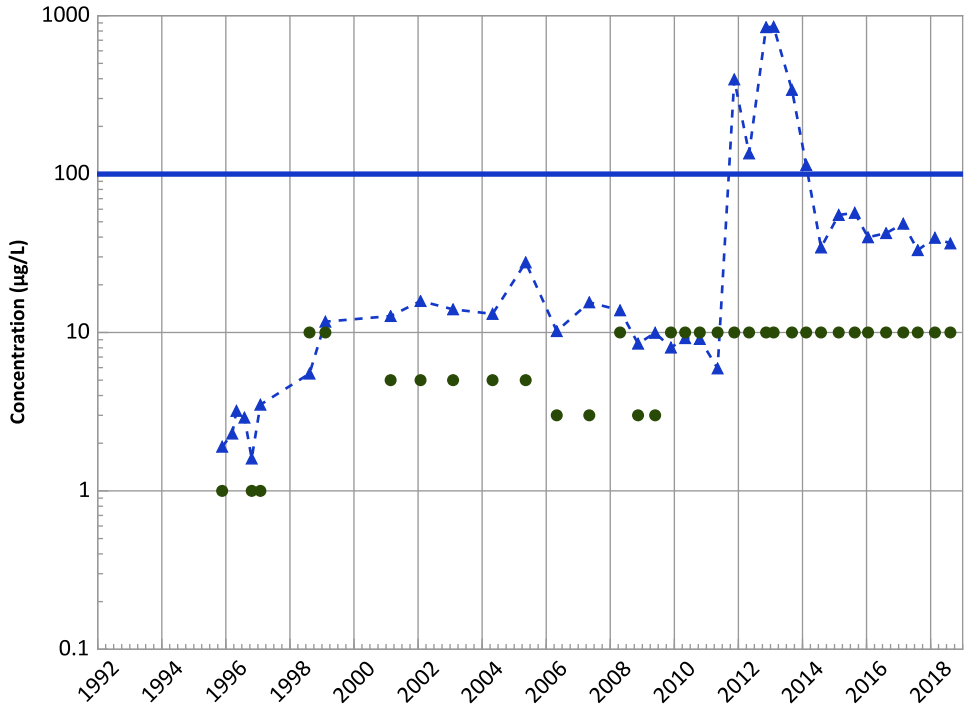


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

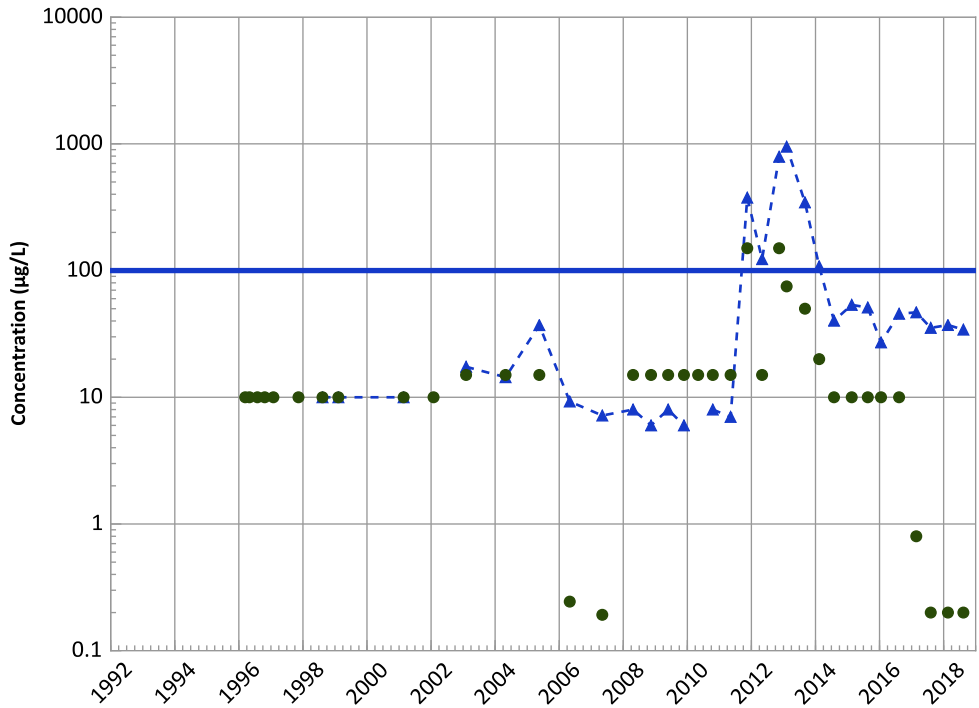


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Chromium, Hexavalent Trend

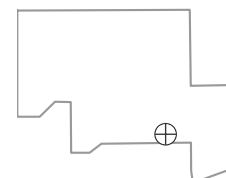


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Well Location

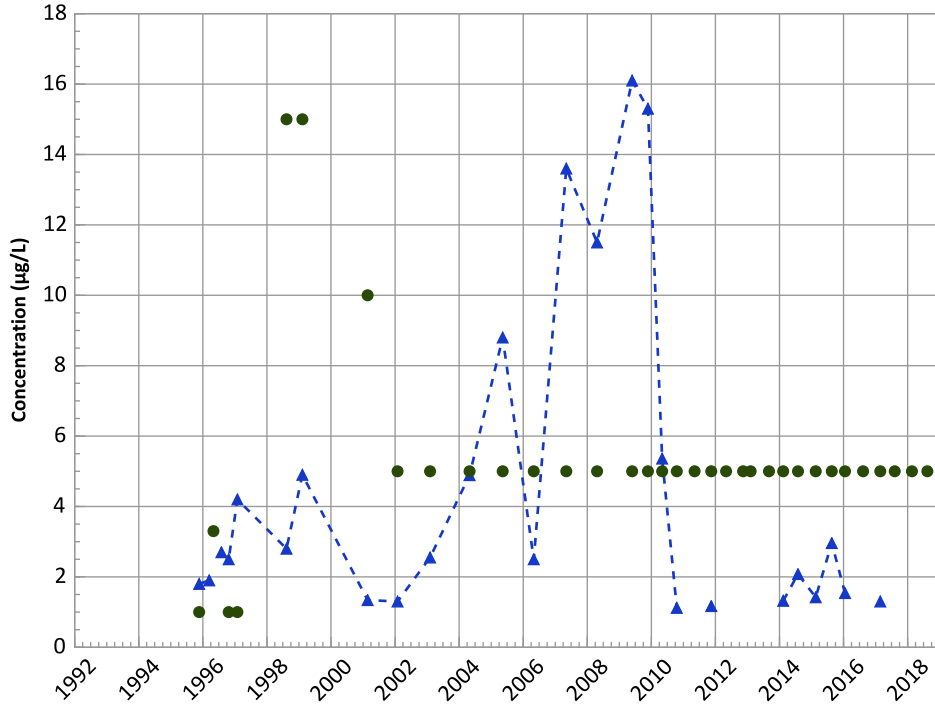


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

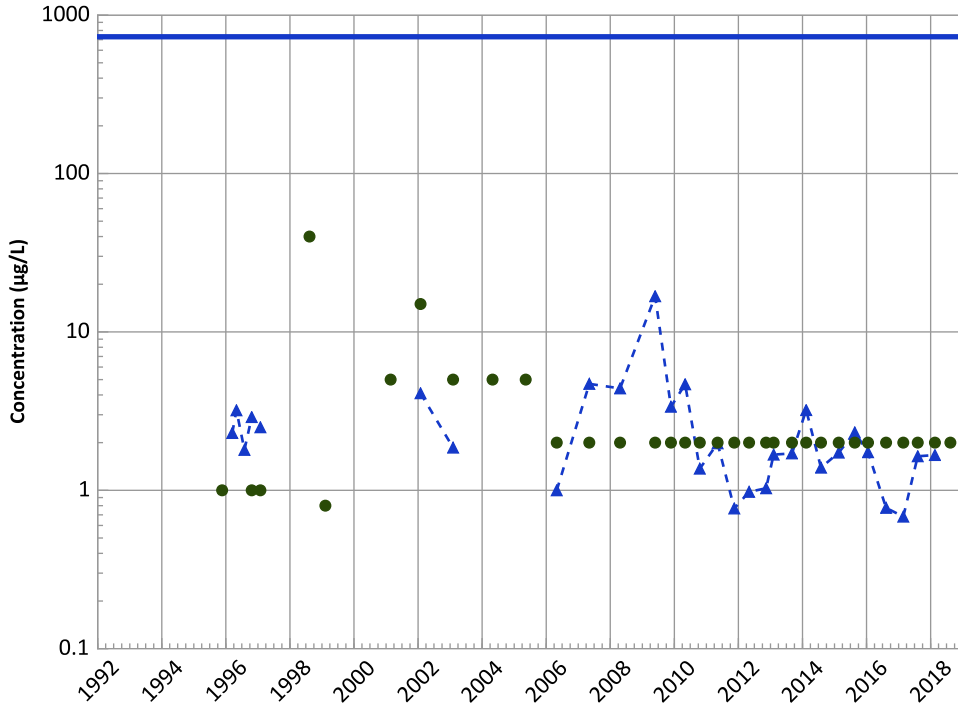
Data (2017 - 2021):

No Trend

All Data:

No Trend

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

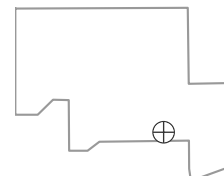
All Data:

Decreasing

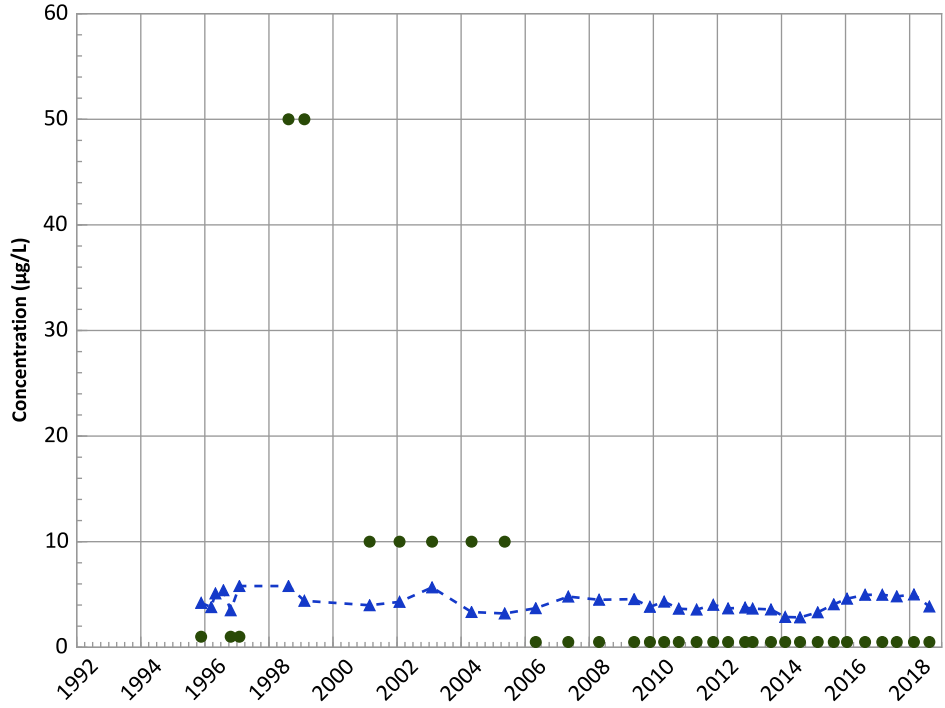
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

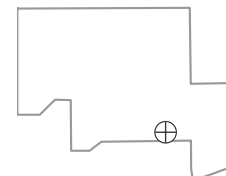
All Data:

Probably Decreasing

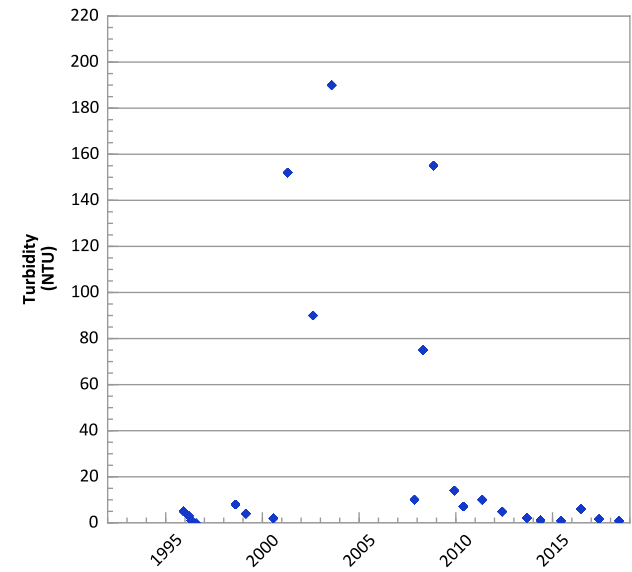
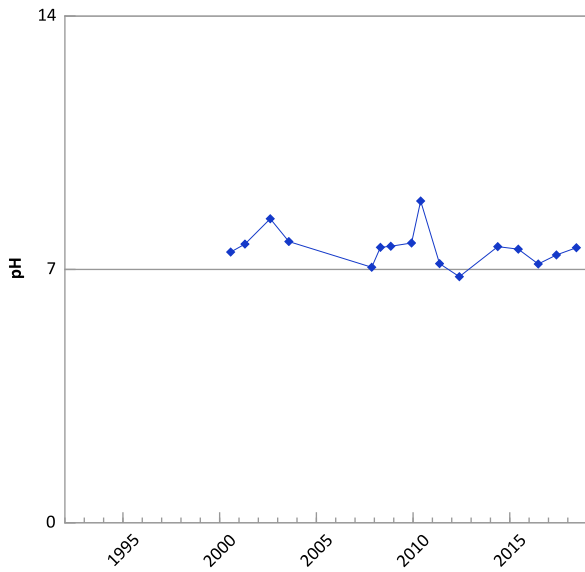
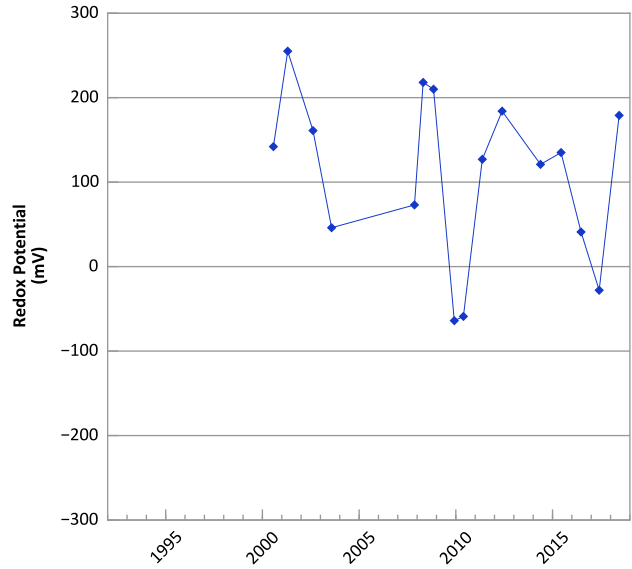
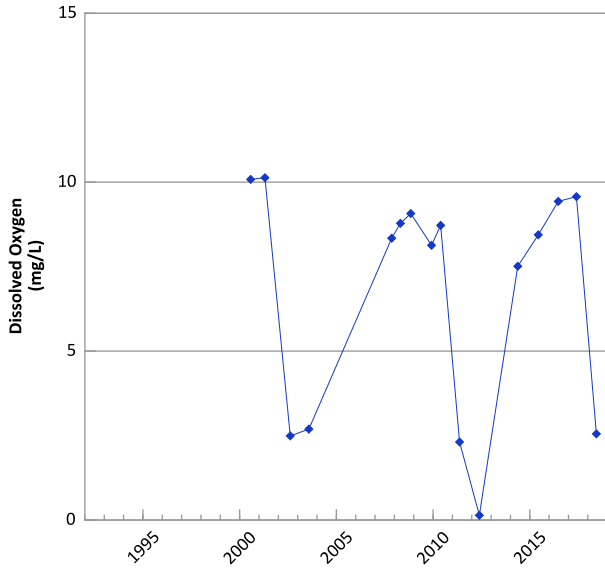
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/20/1995 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

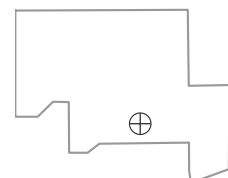


**PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



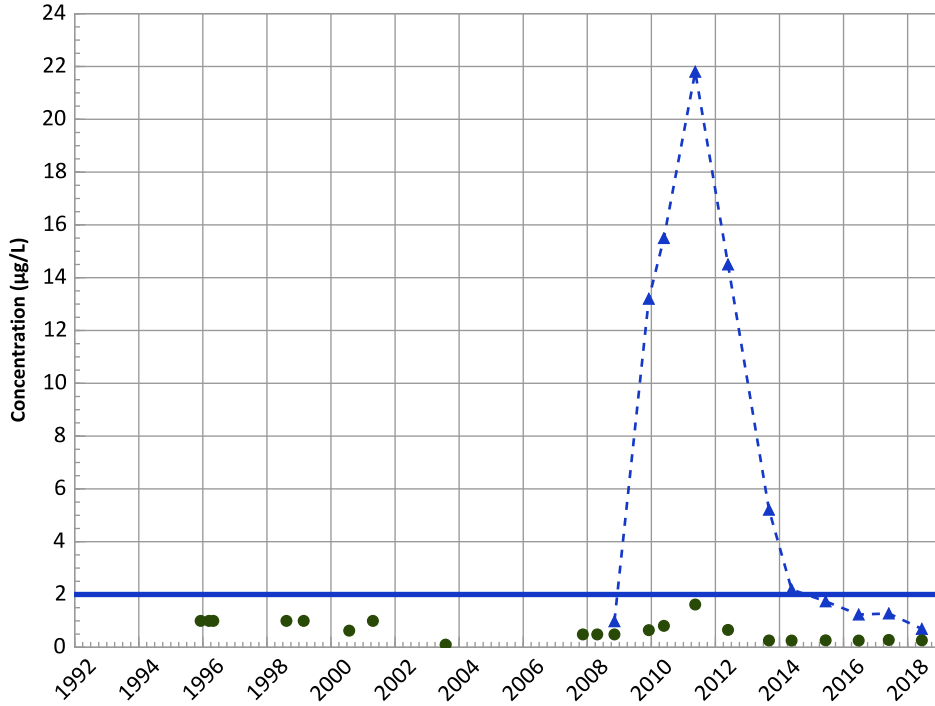
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/07/1995 to 06/12/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

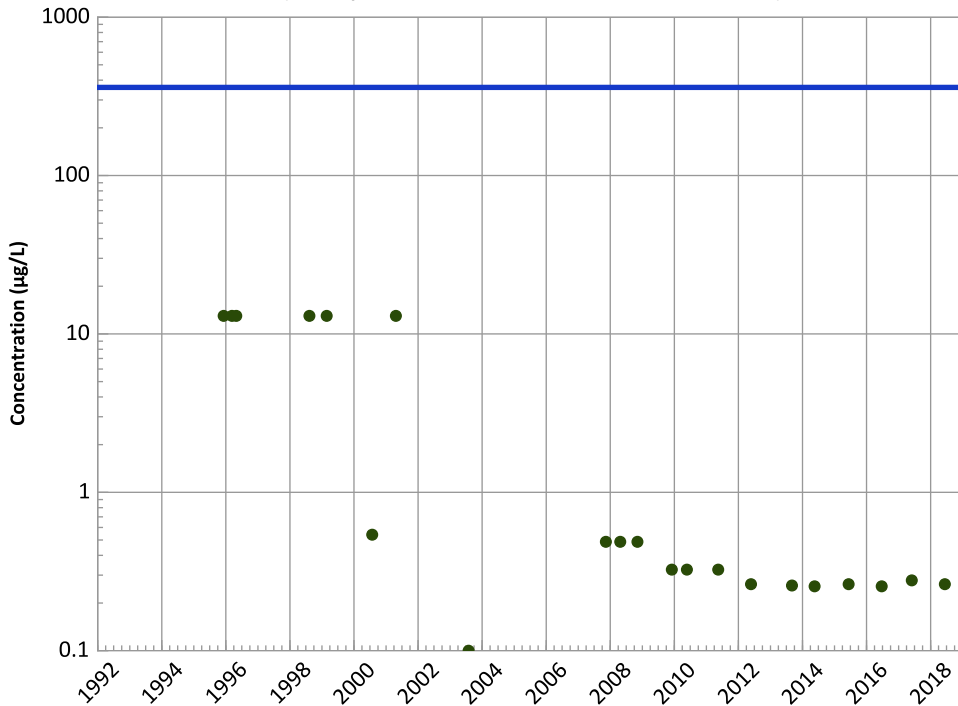
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

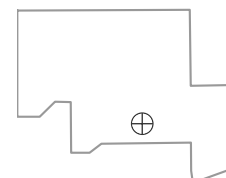
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

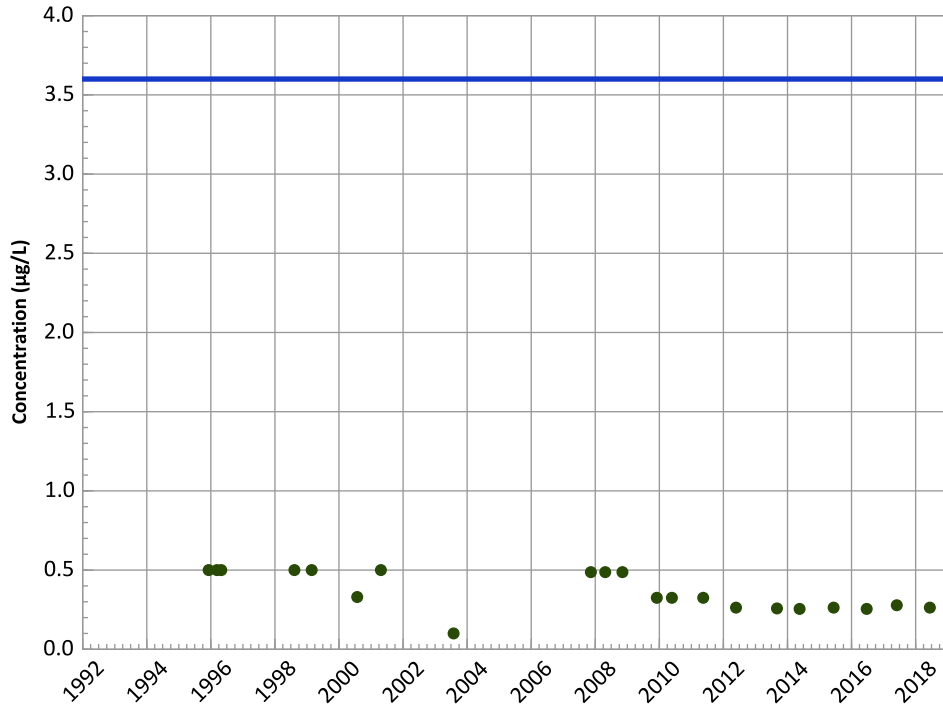
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

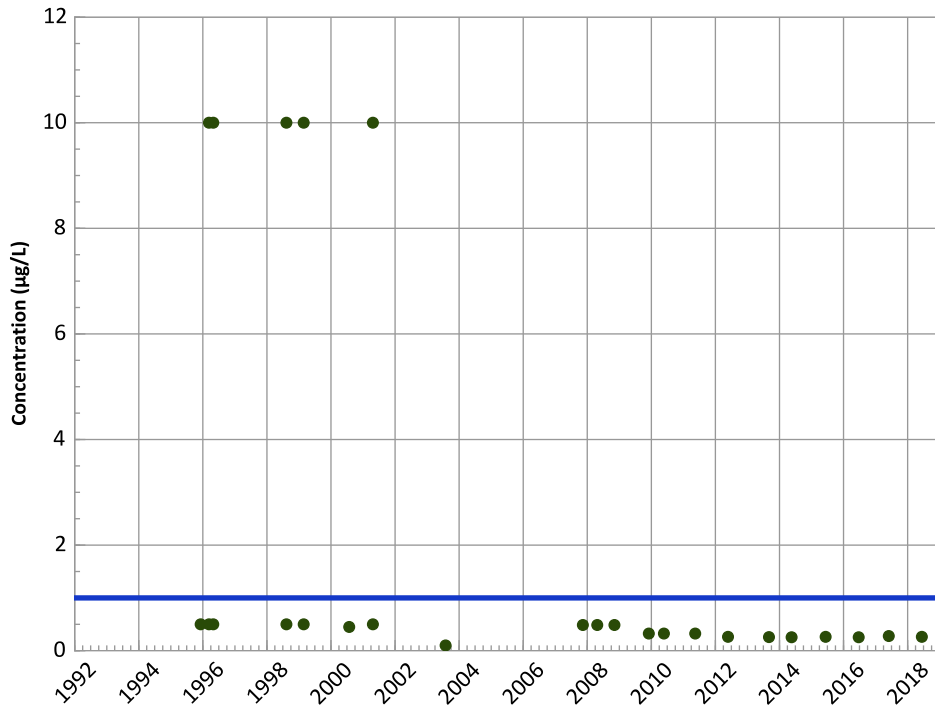
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

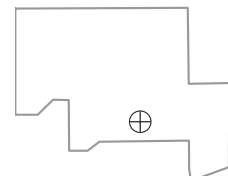
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

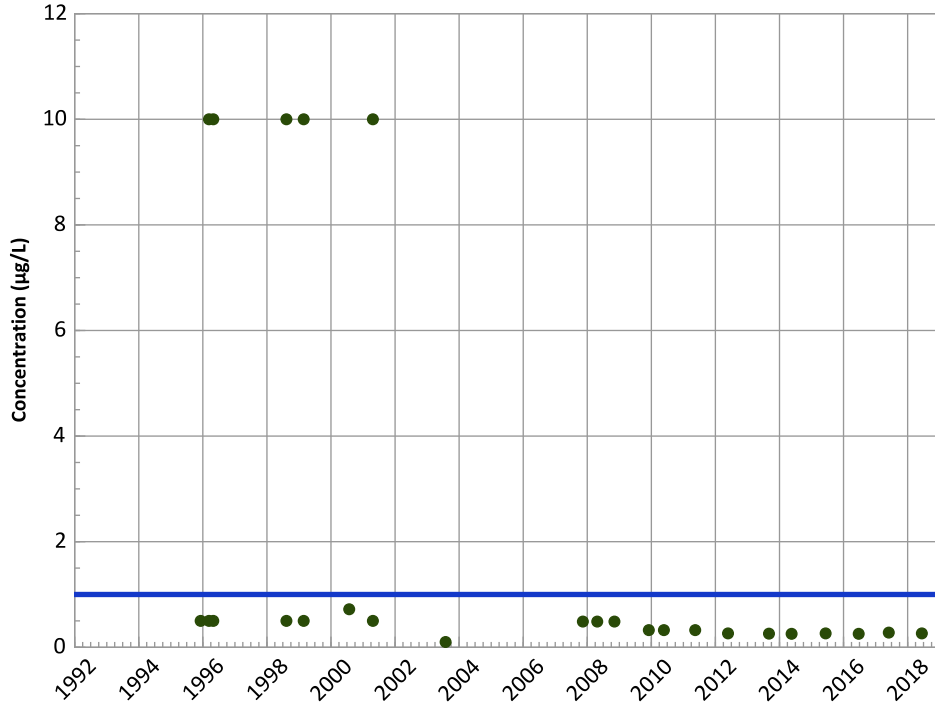
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

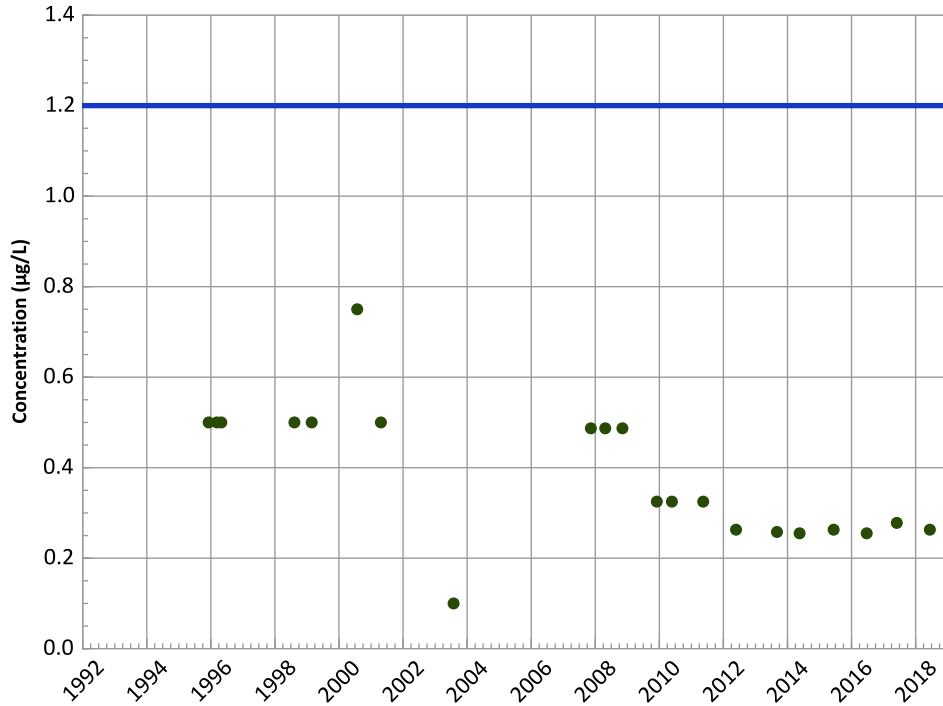
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

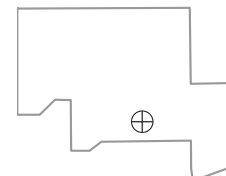
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

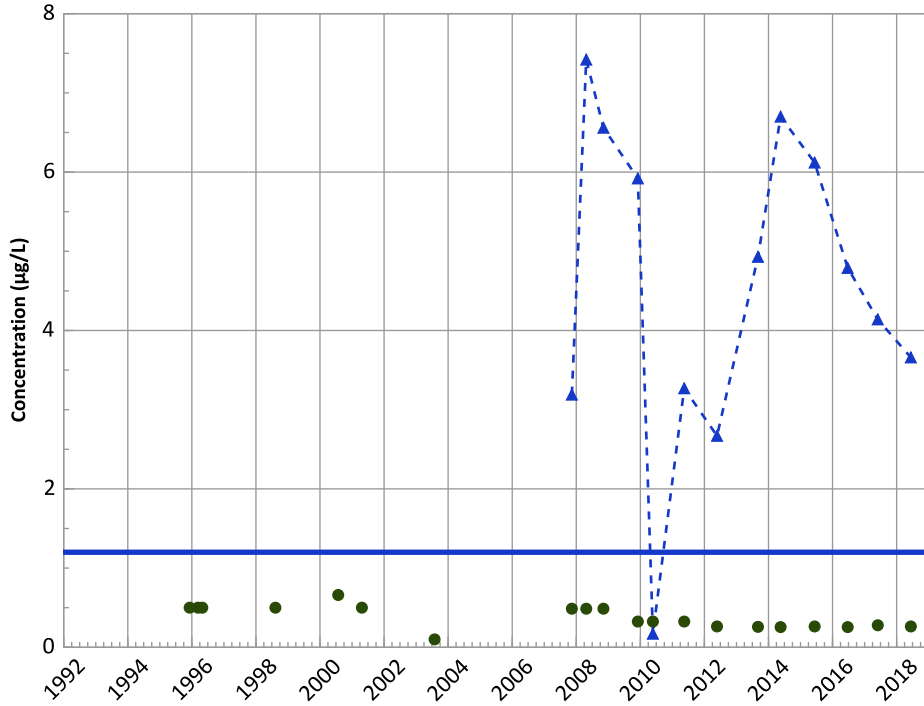
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

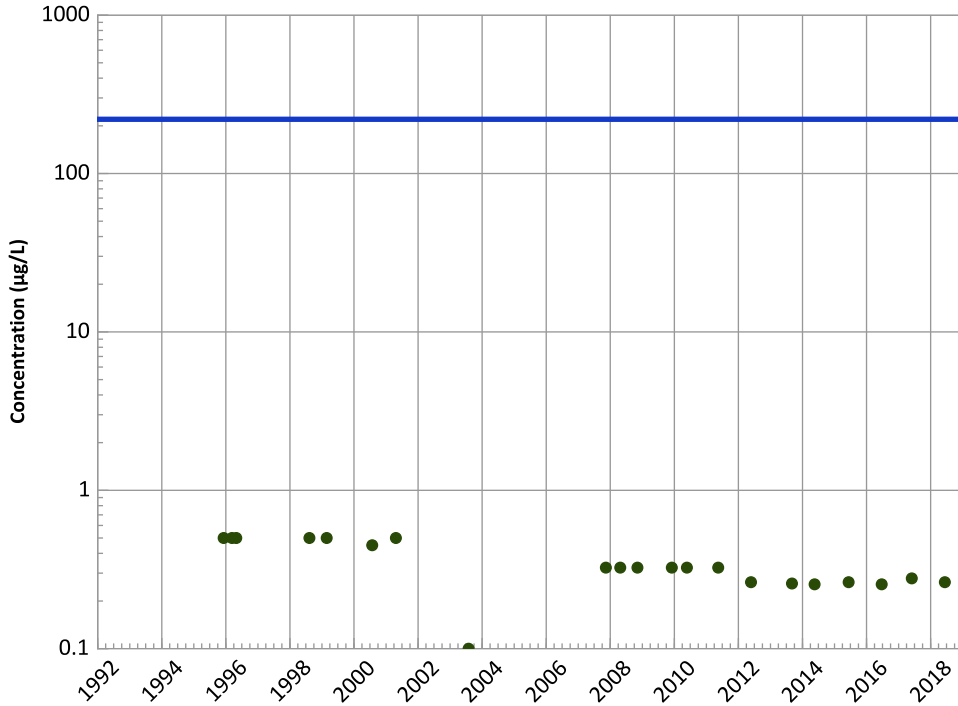
Data (2017 - 2021):

No Trend

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

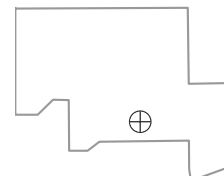
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

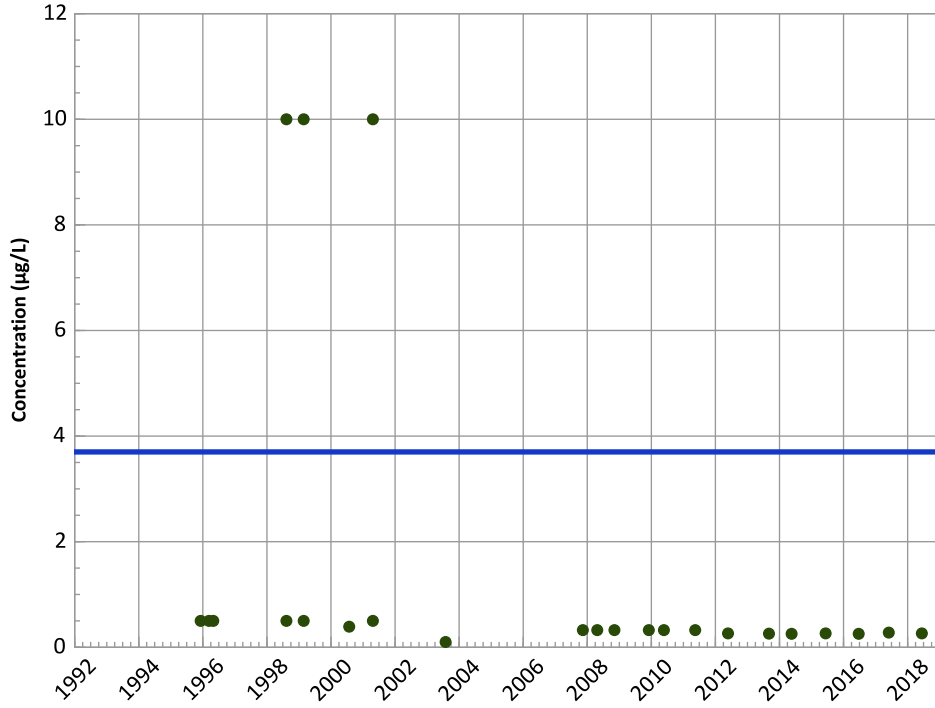
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

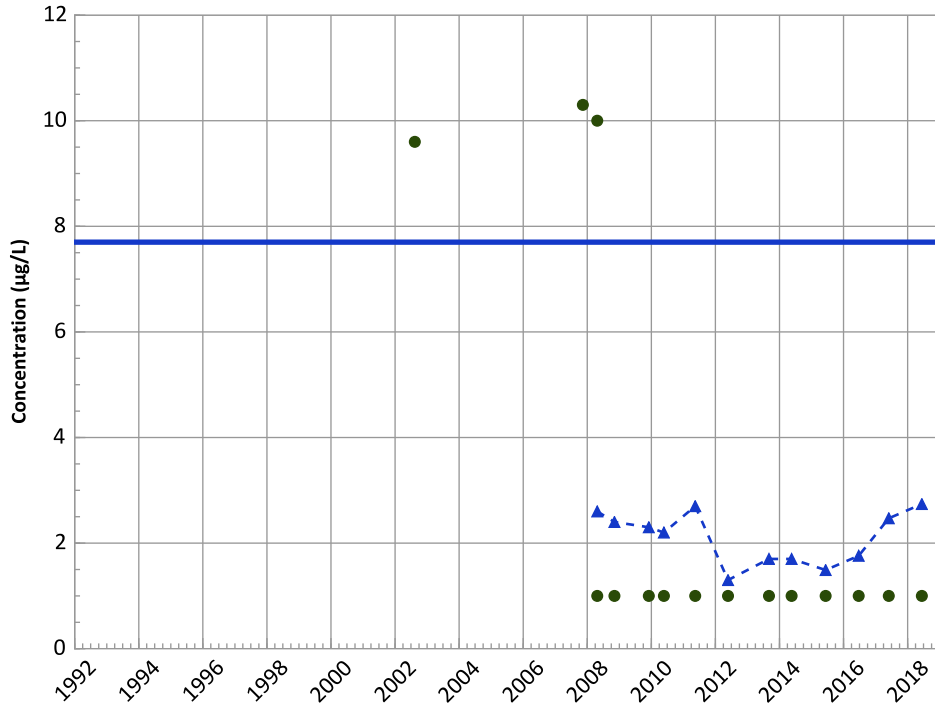
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

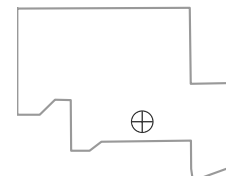
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

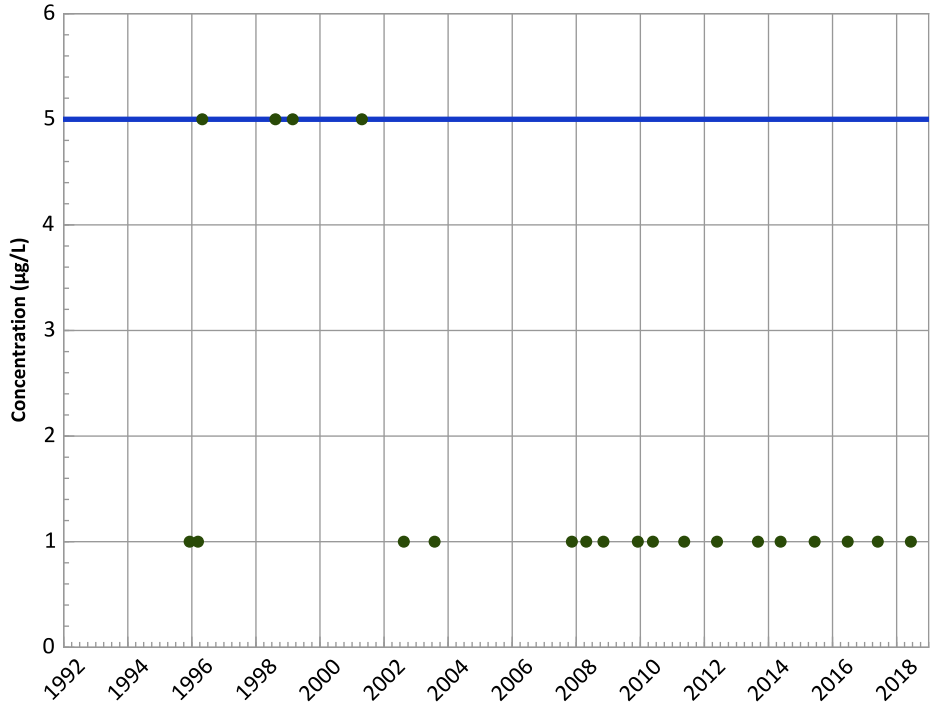
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

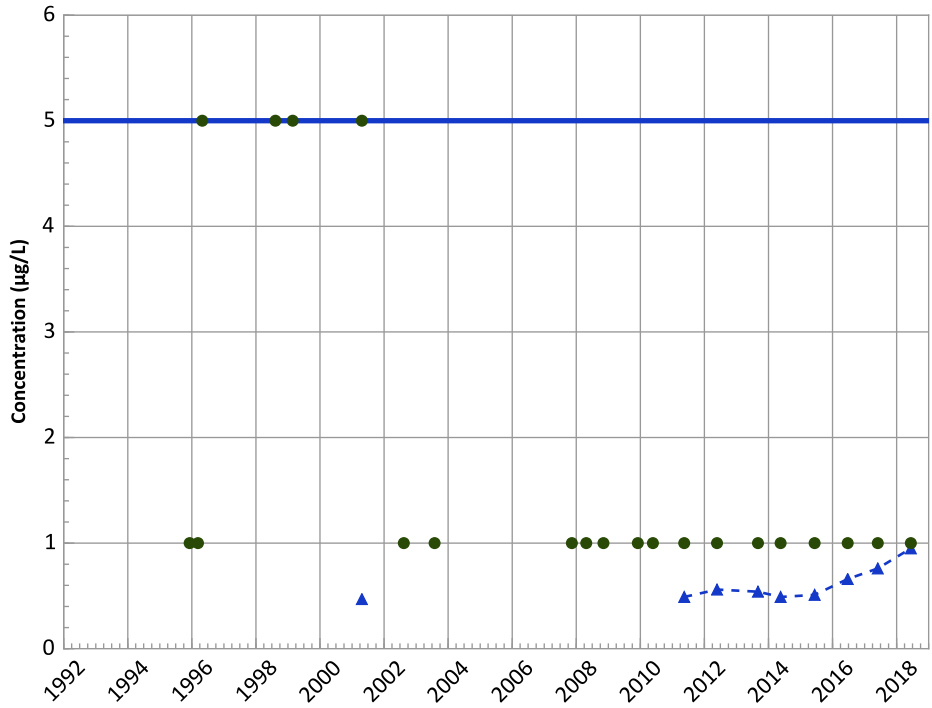
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

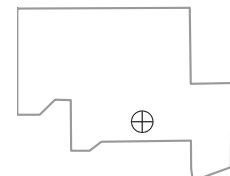
All Data:

Increasing

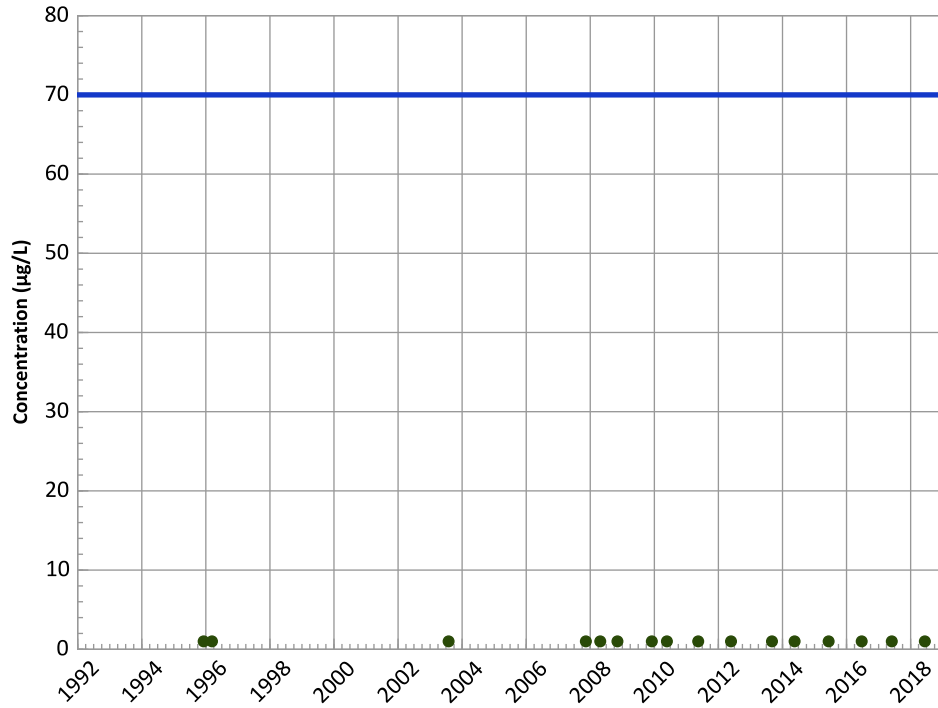
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

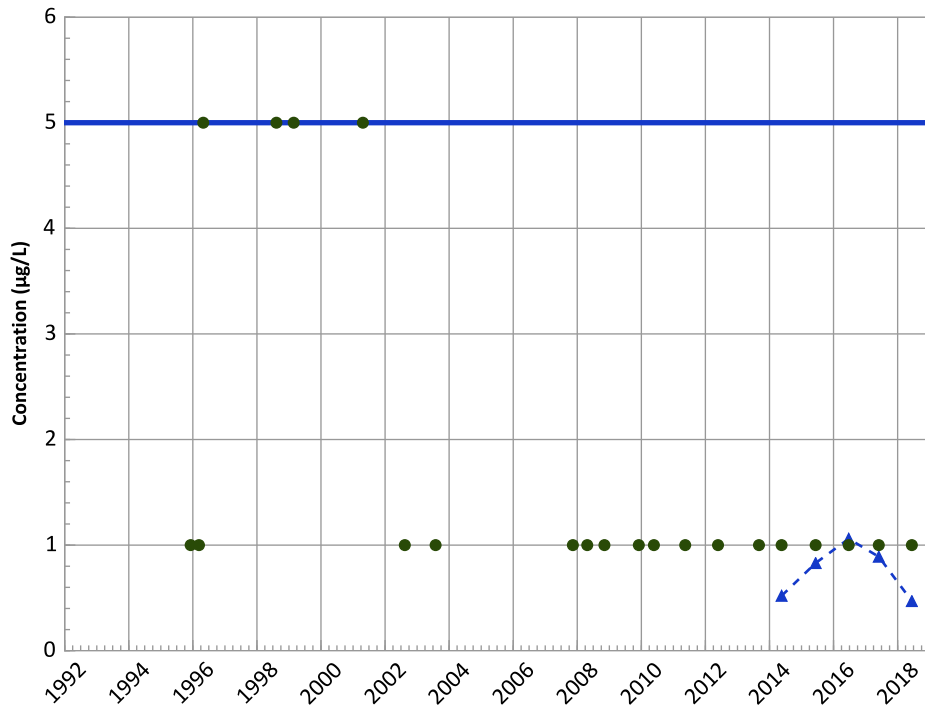
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

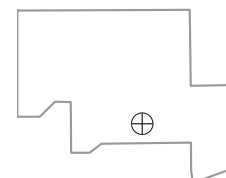
All Data:

Stable

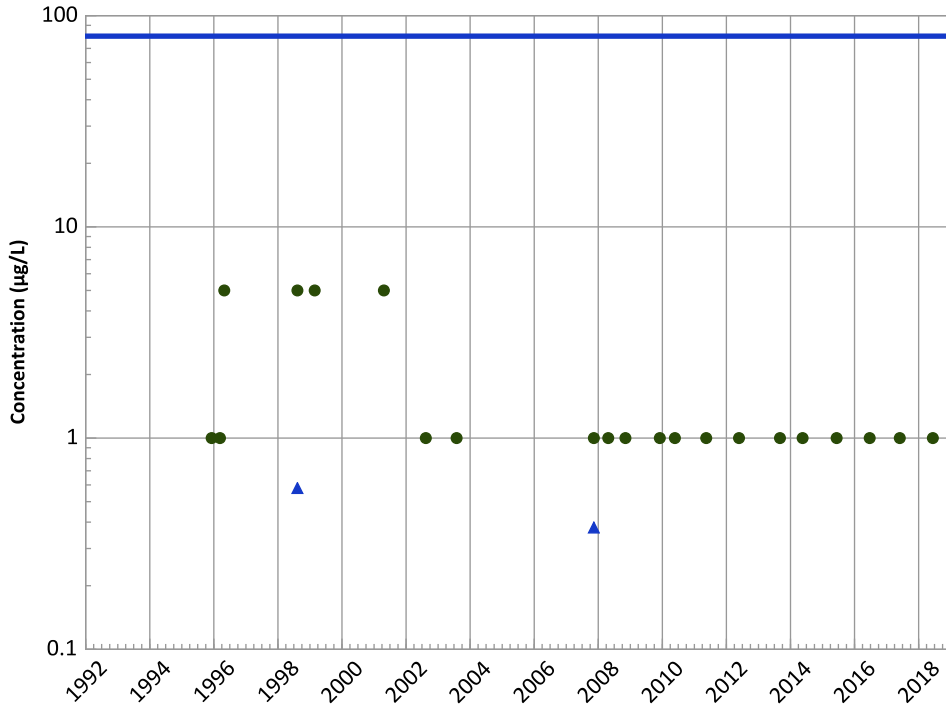
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

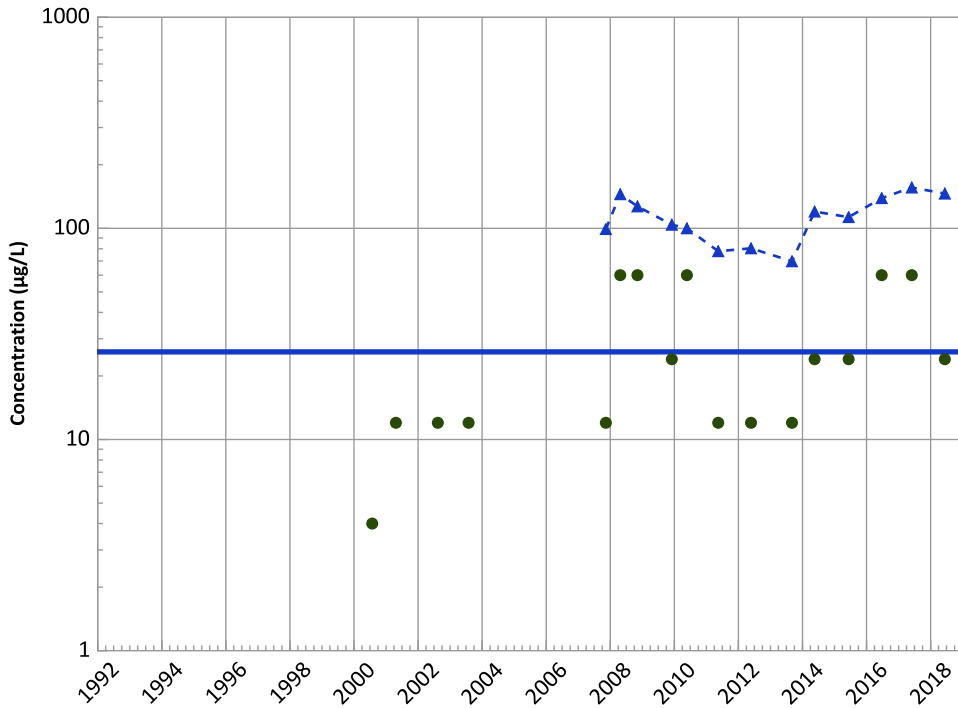
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

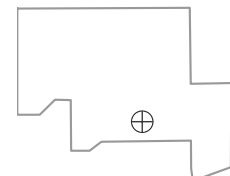
Data (2017 - 2021):

Increasing

All Data:

No Trend

Well Location

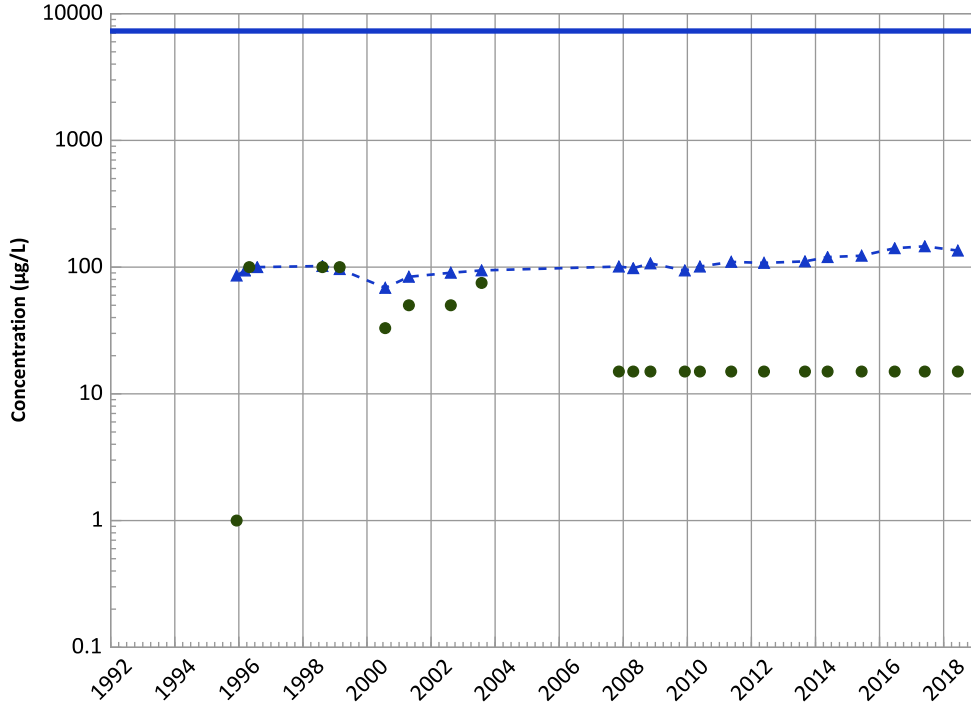


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

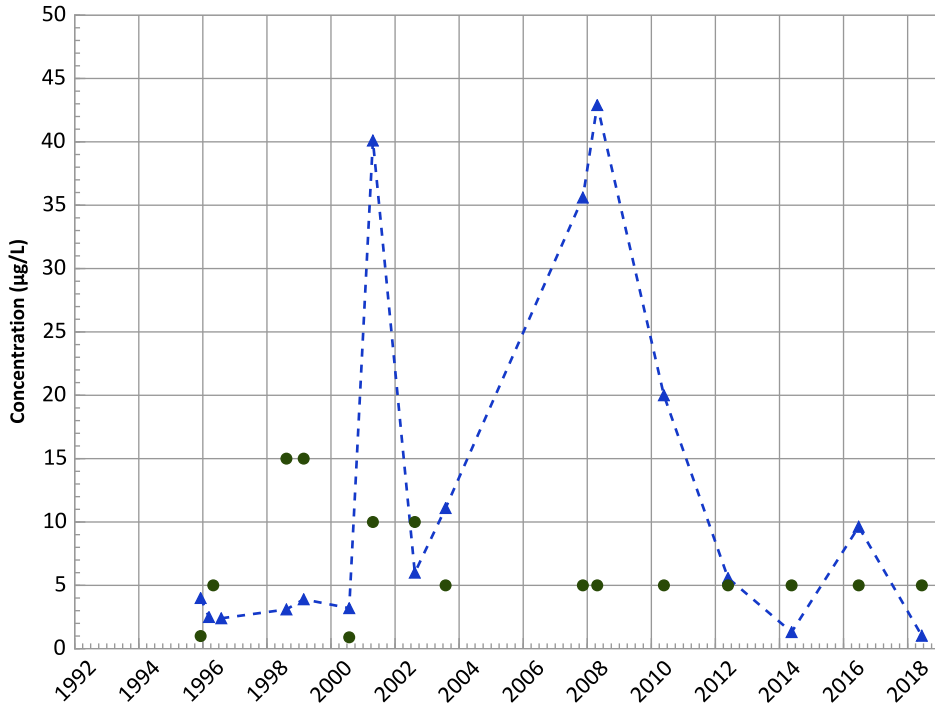
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

No Trend

MAROS Linear Regression Method

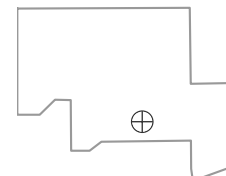
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

No Trend

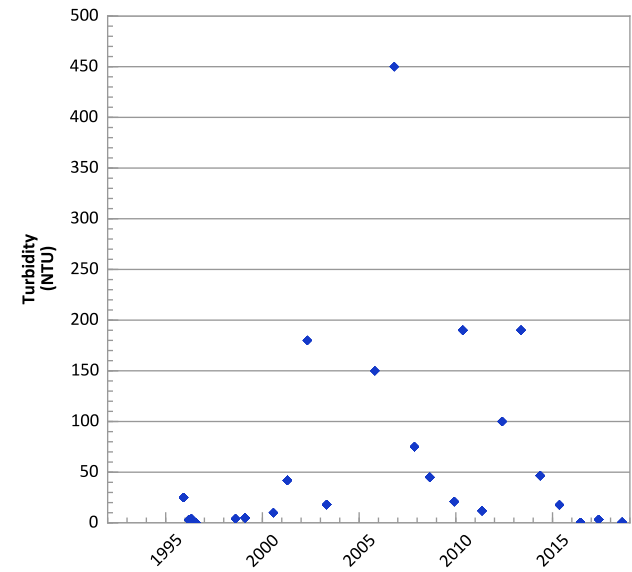
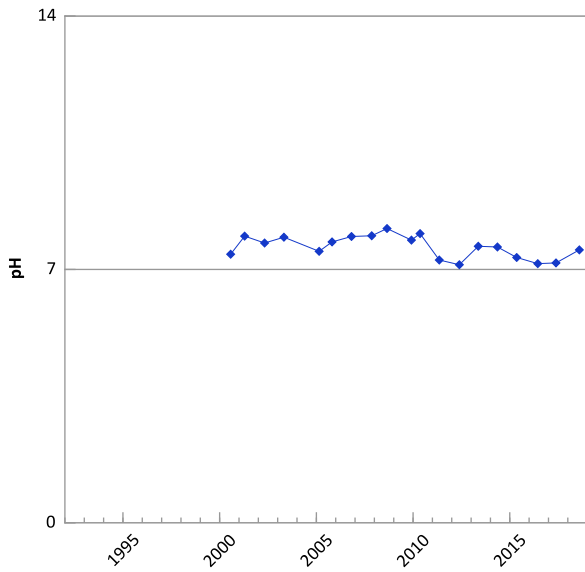
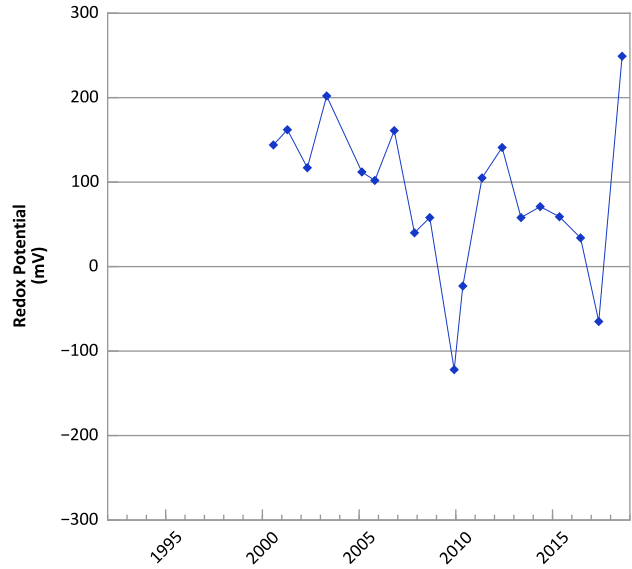
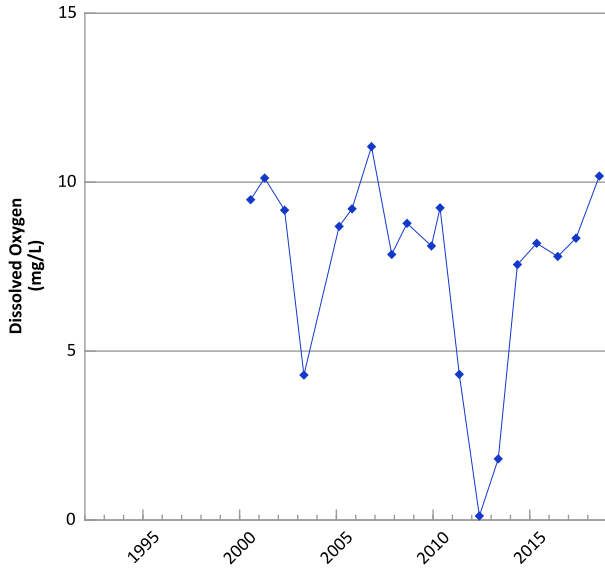
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

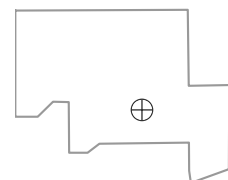
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



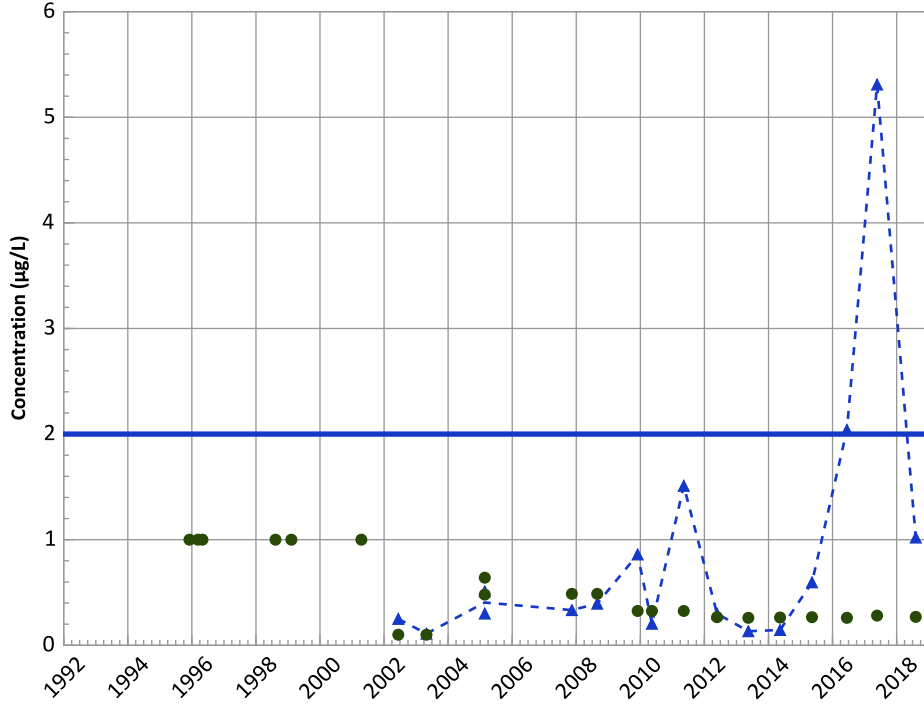
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/05/1995 to 08/07/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

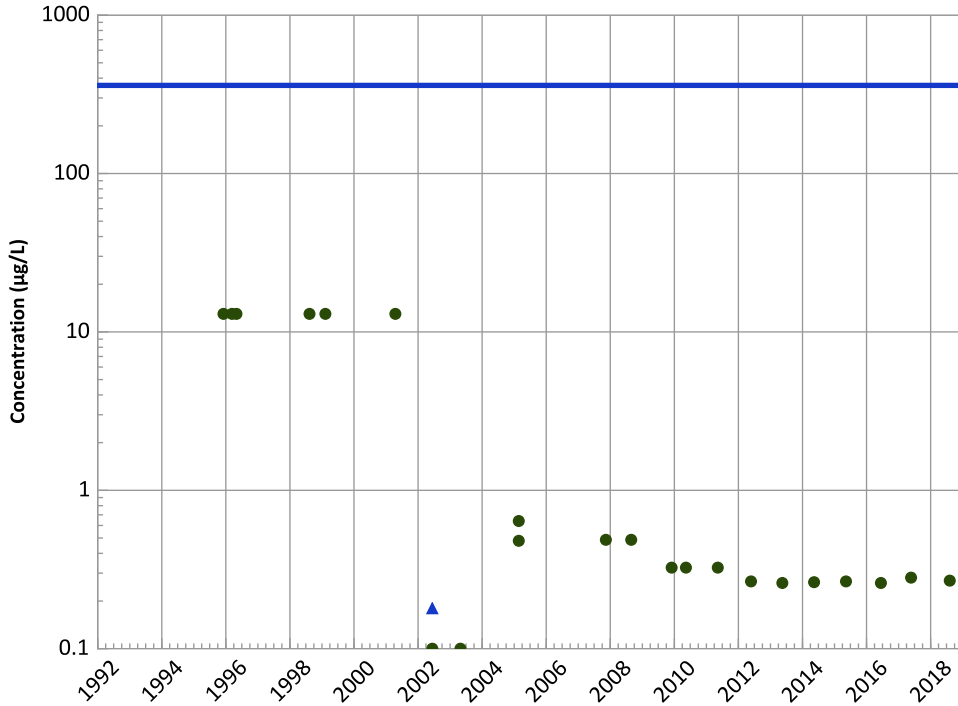
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

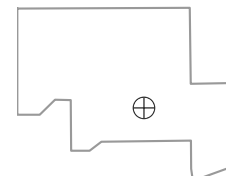
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

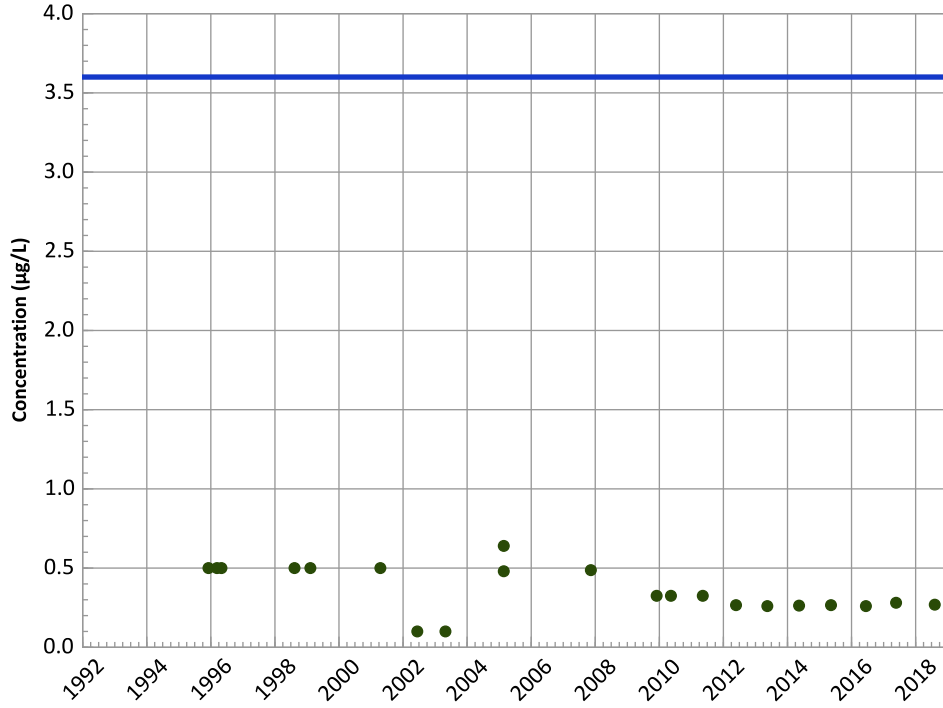


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

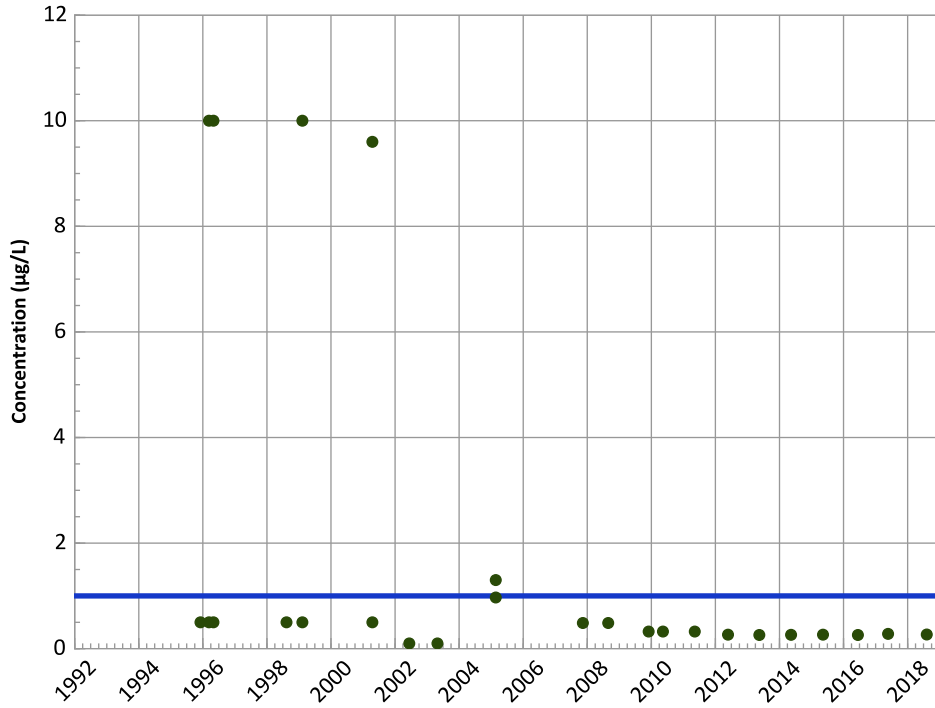
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

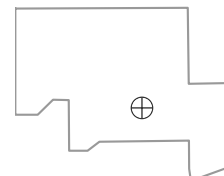
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

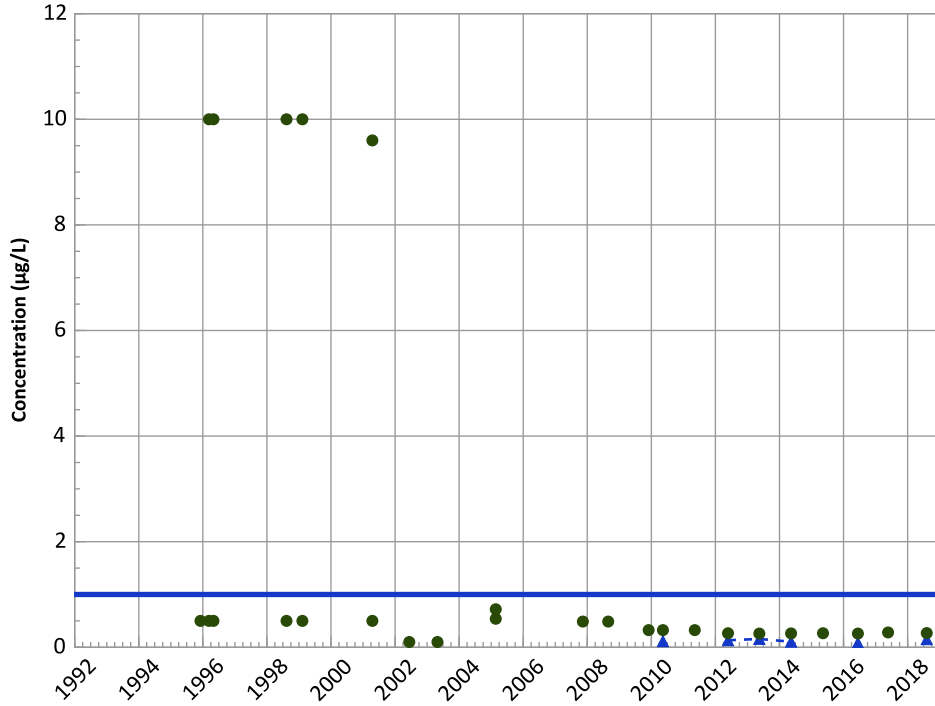
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

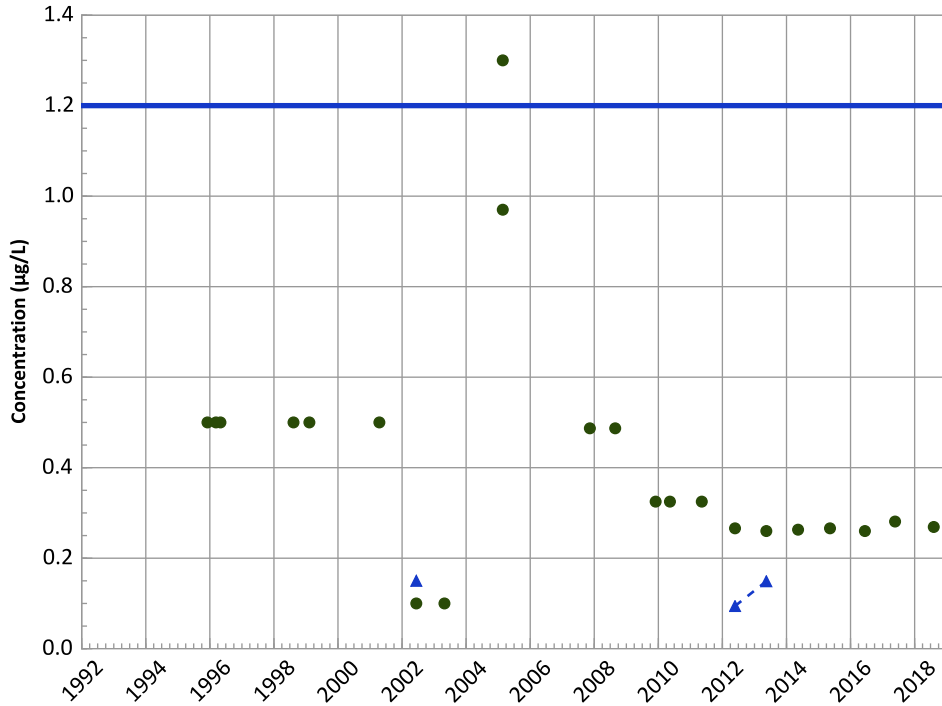
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

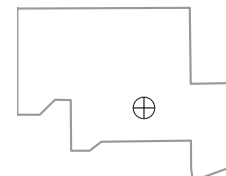
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

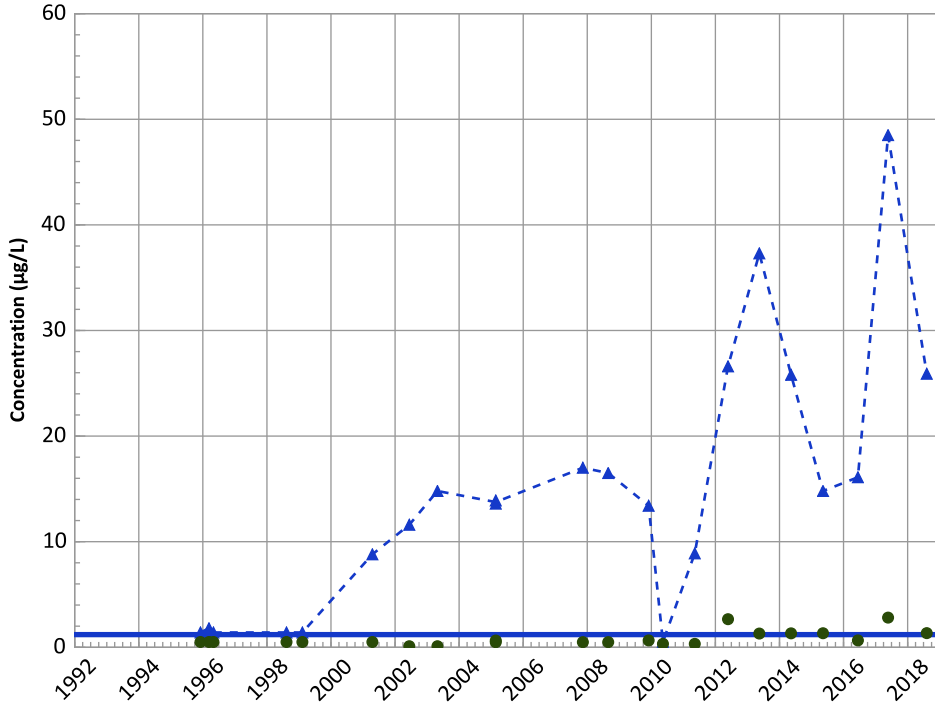


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

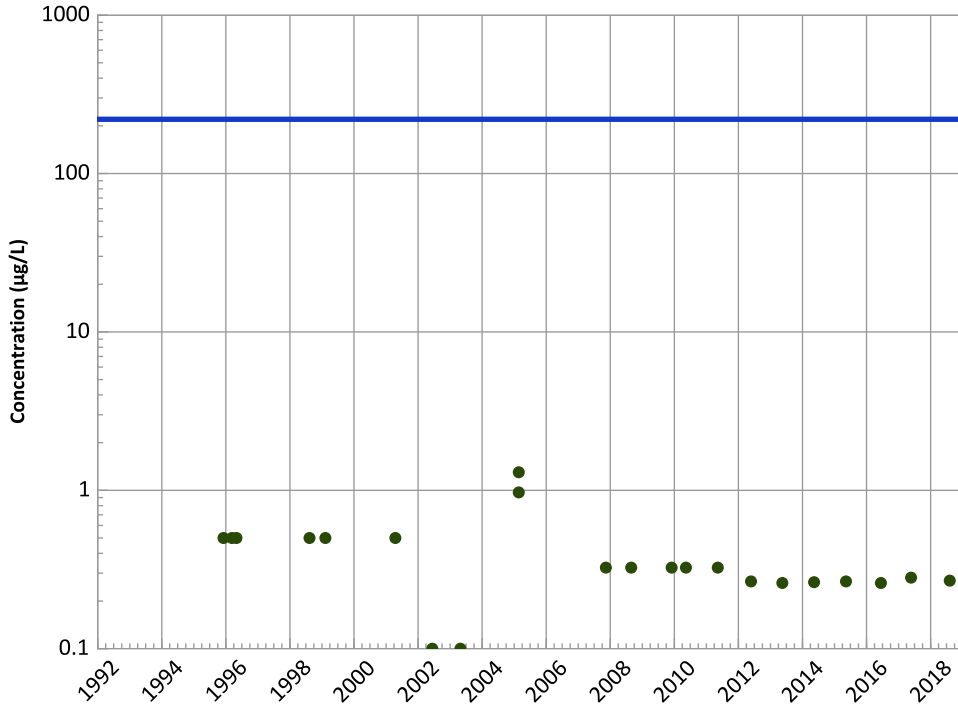
Data (2017 - 2021):

Probably Decreasing

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

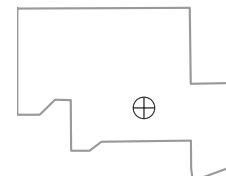
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

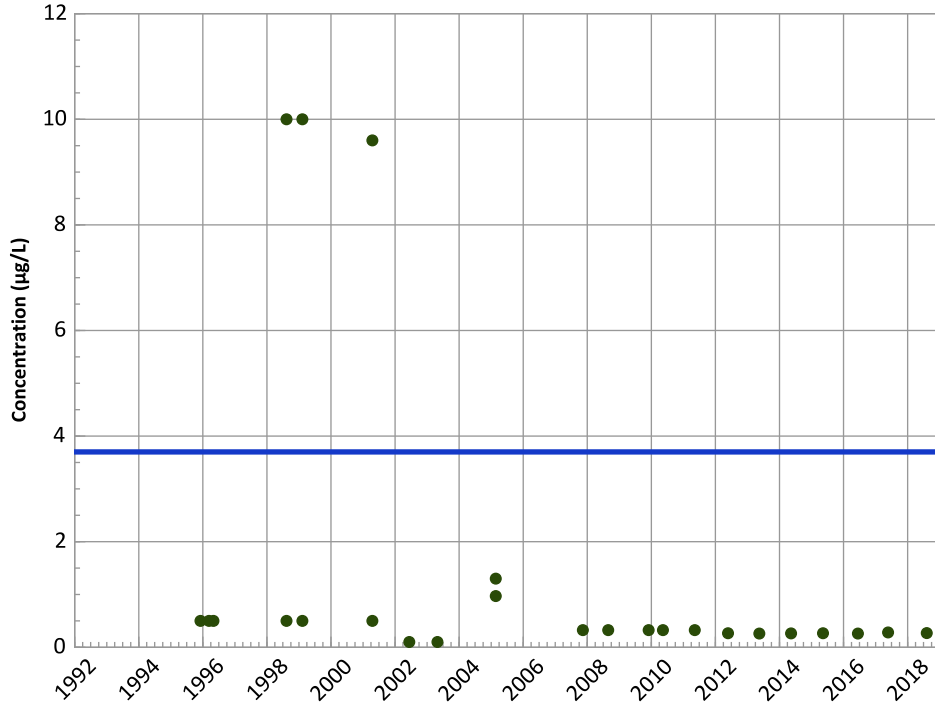
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

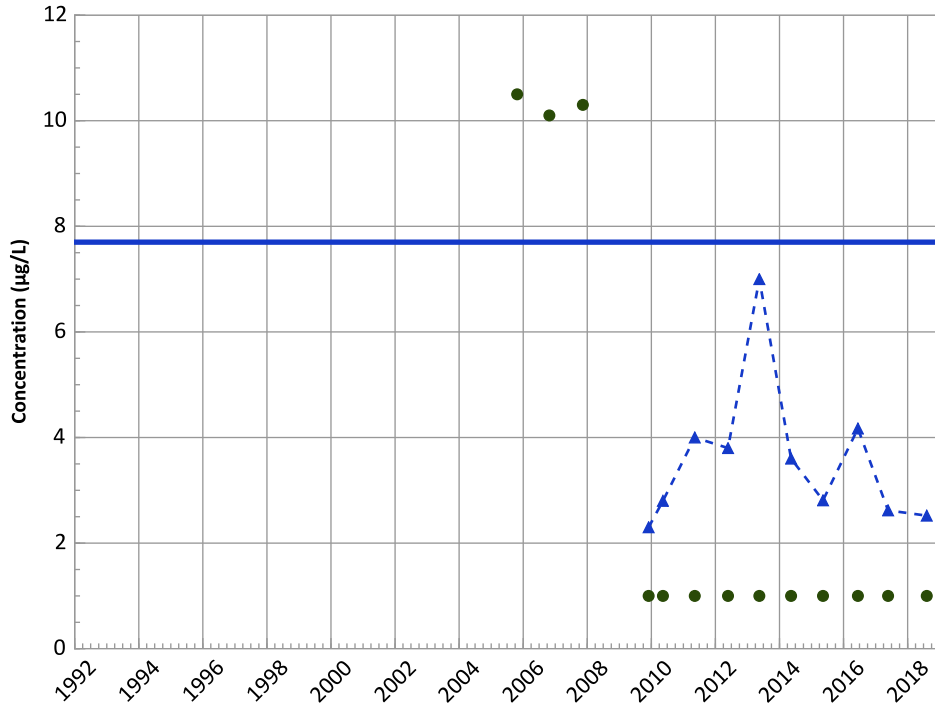
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

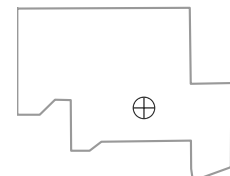
Data (2017 - 2021):

Stable

All Data:

Stable

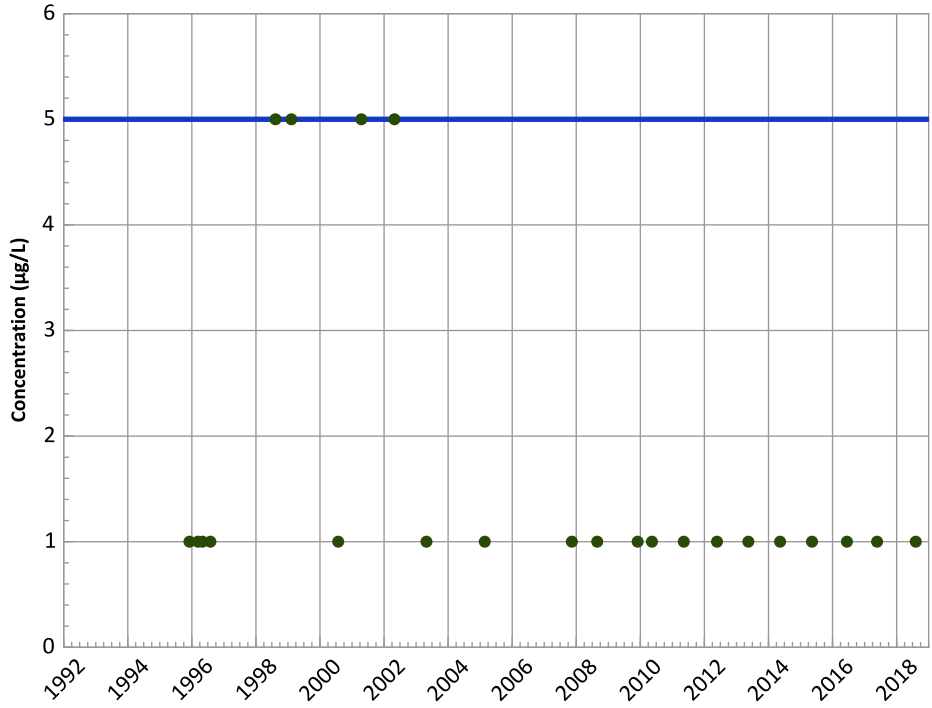
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

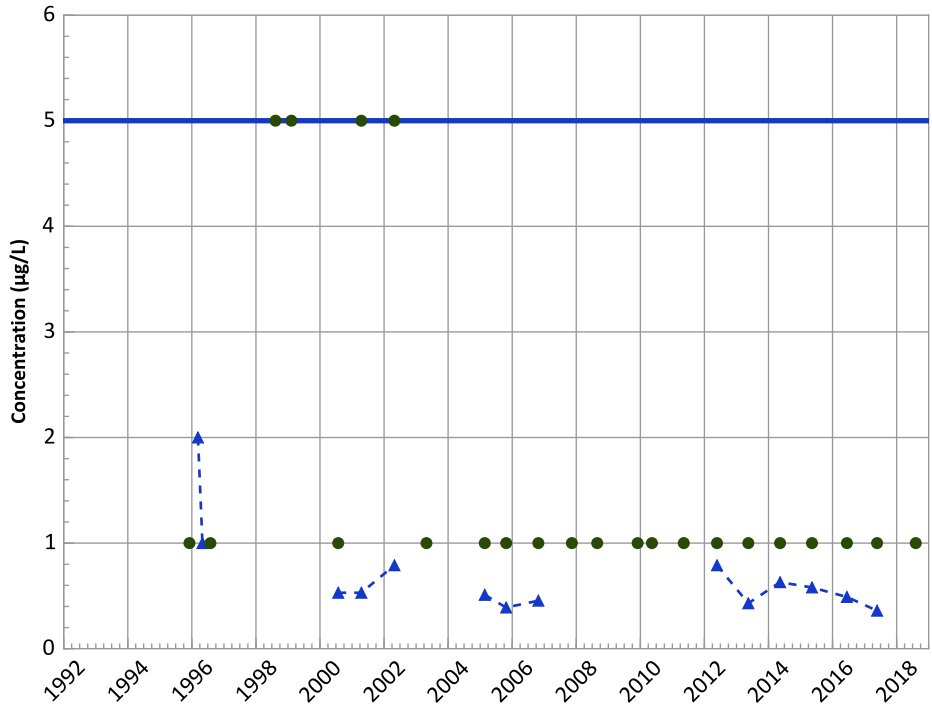
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

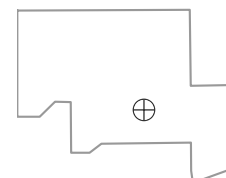
All Data:

Decreasing

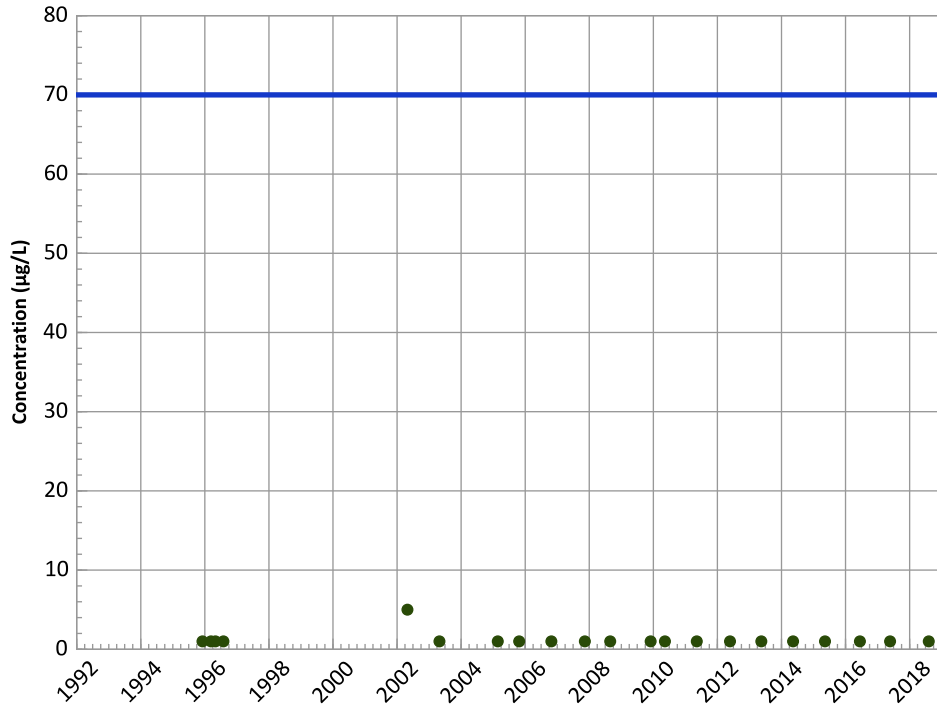
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

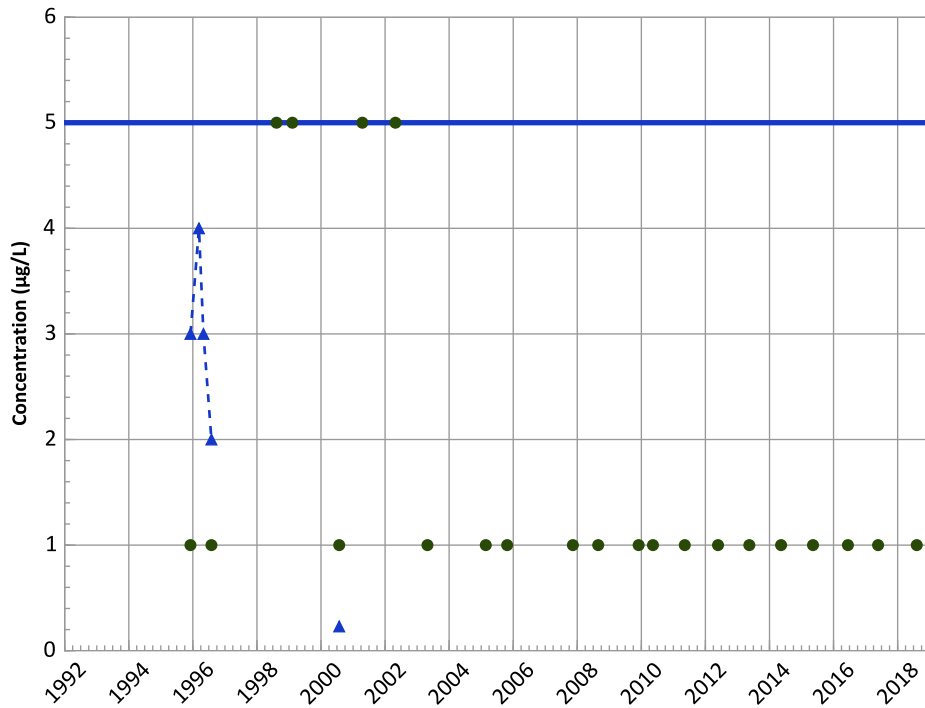
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

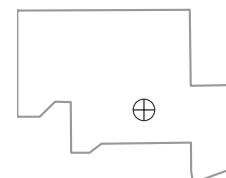
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

Well Location

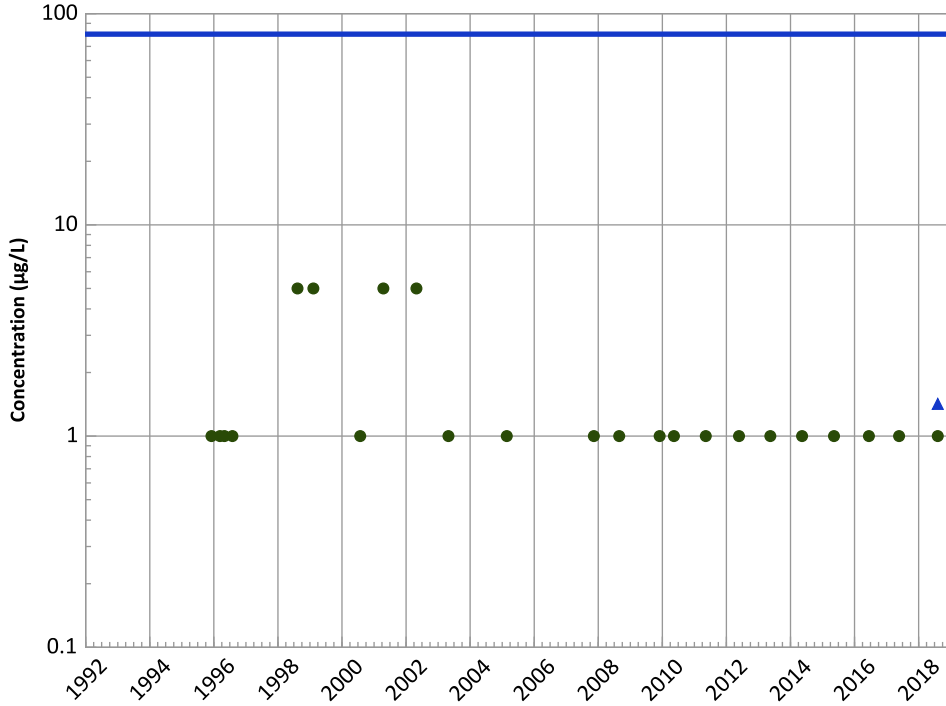


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

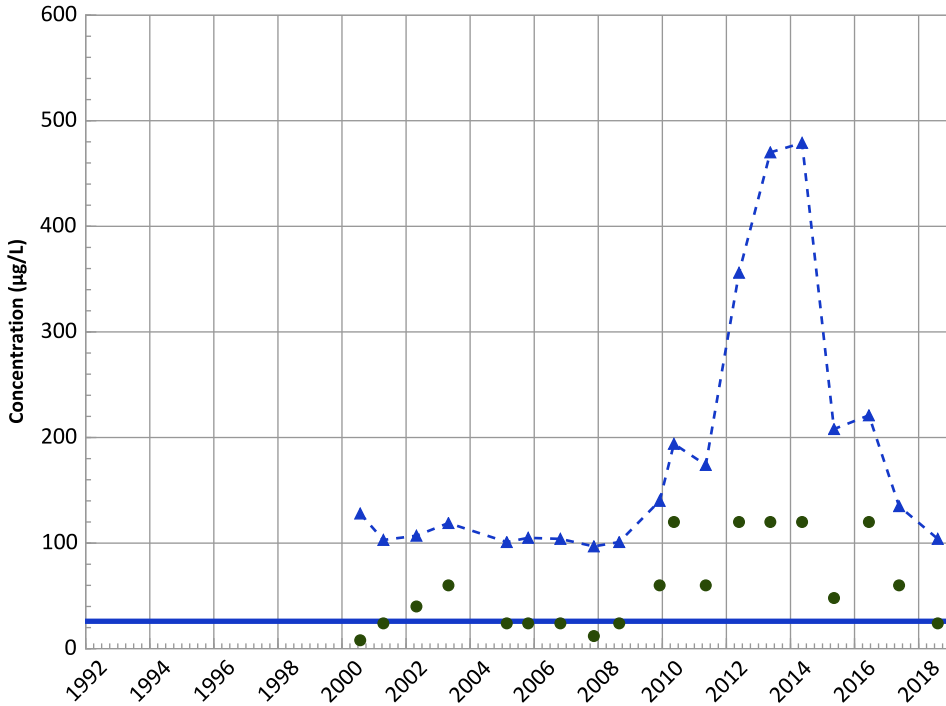
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

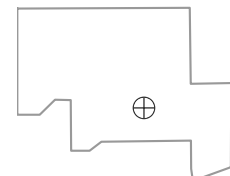
Data (2017 - 2021):

Probably Decreasing

All Data:

Increasing

Well Location

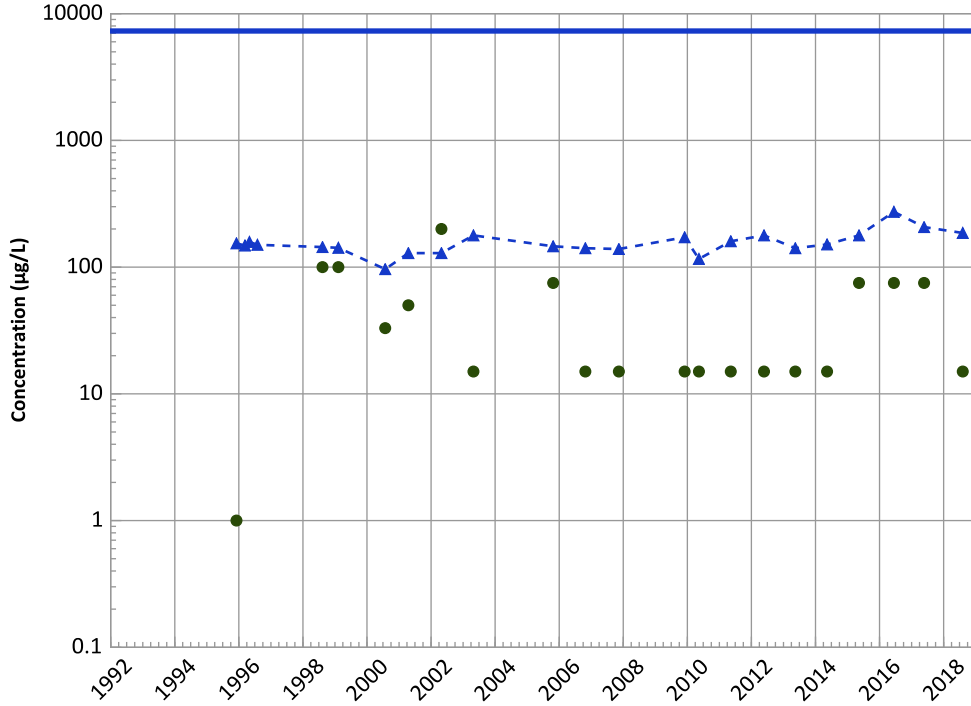


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

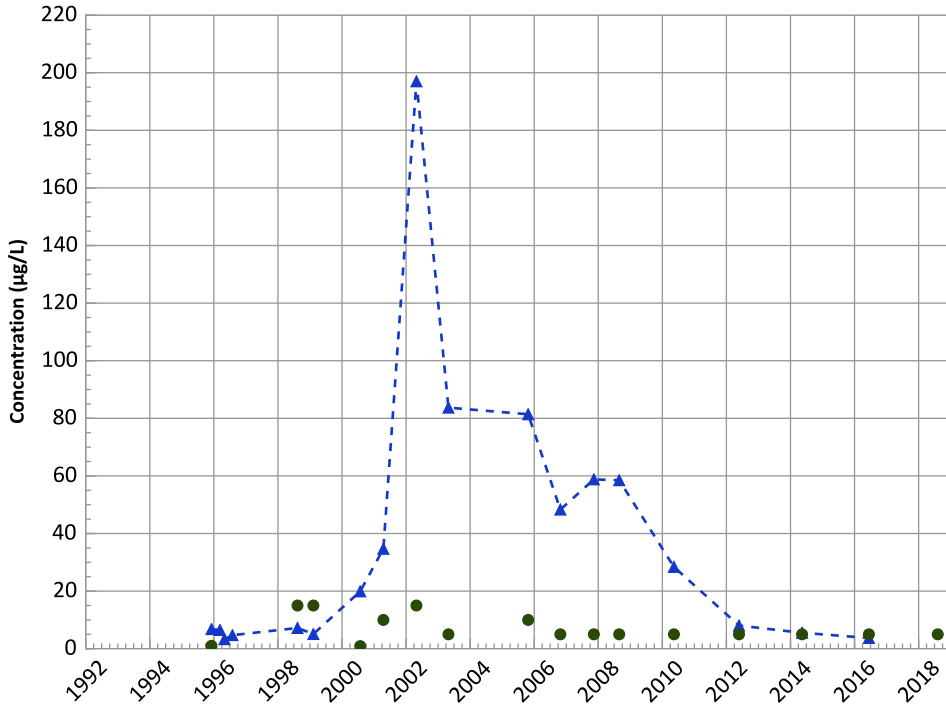


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Increasing

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

Manganese Trend



Concentration Trend

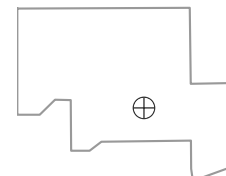
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

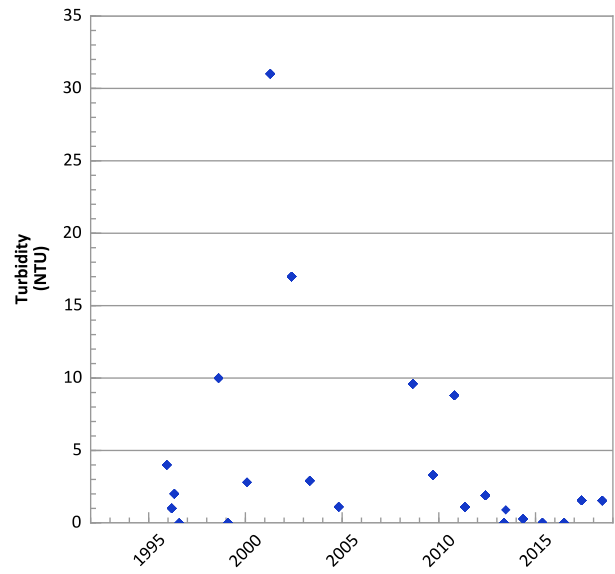
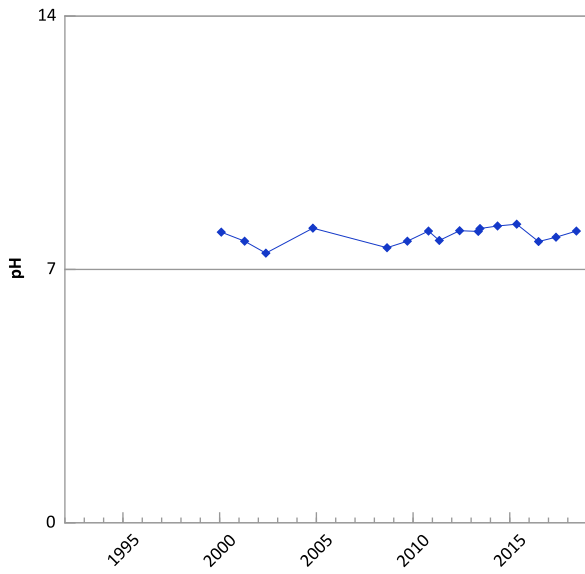
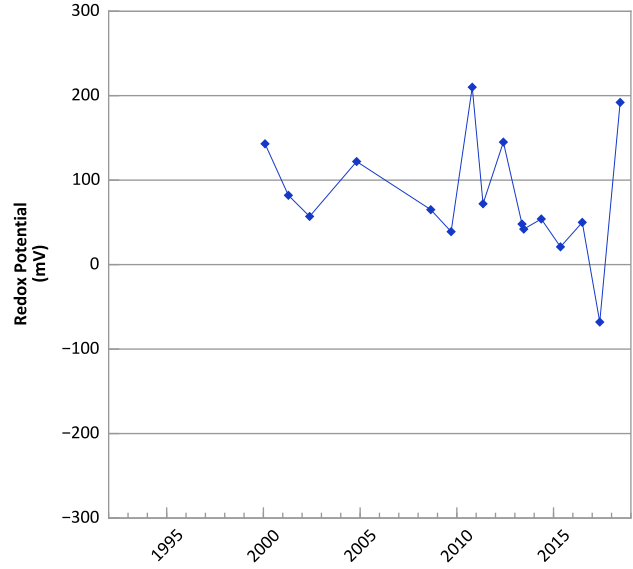
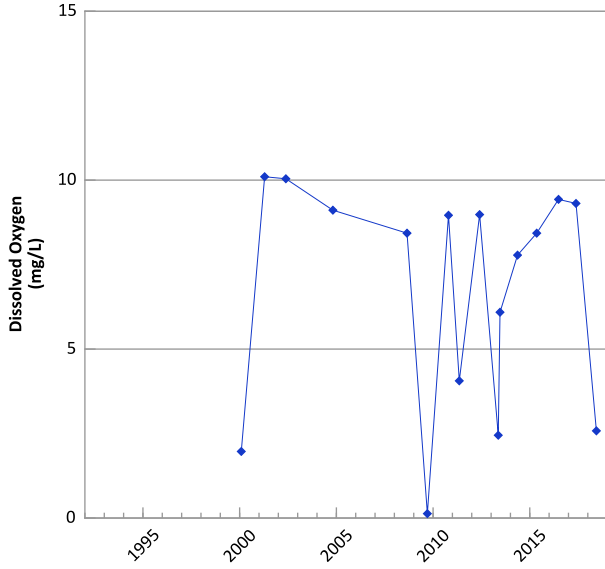
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/05/1995 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

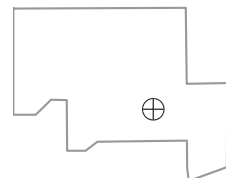


**PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



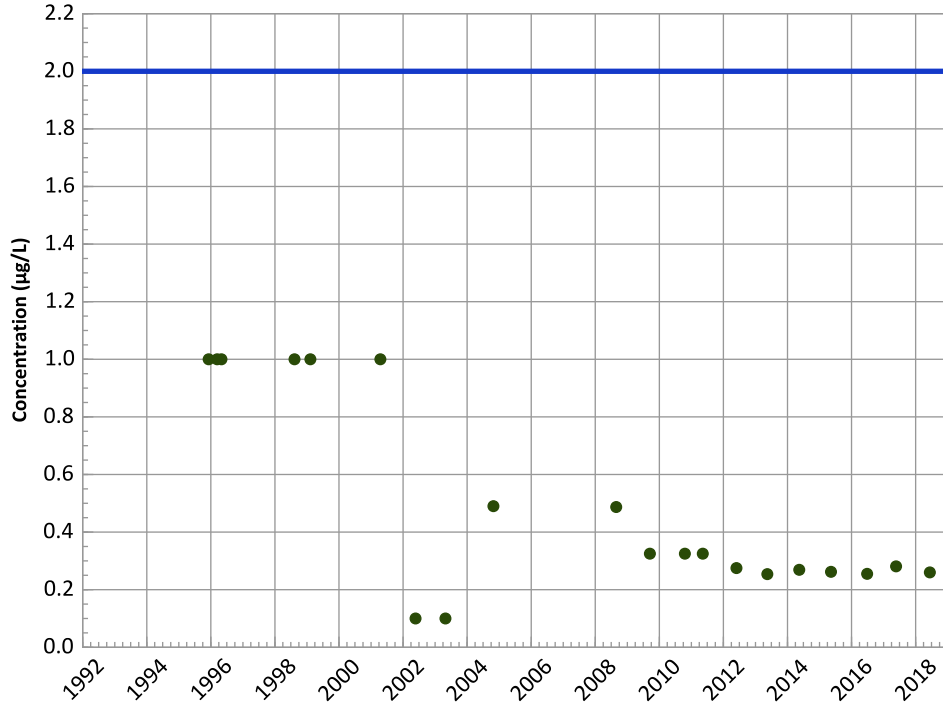
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/07/1995 to 06/12/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

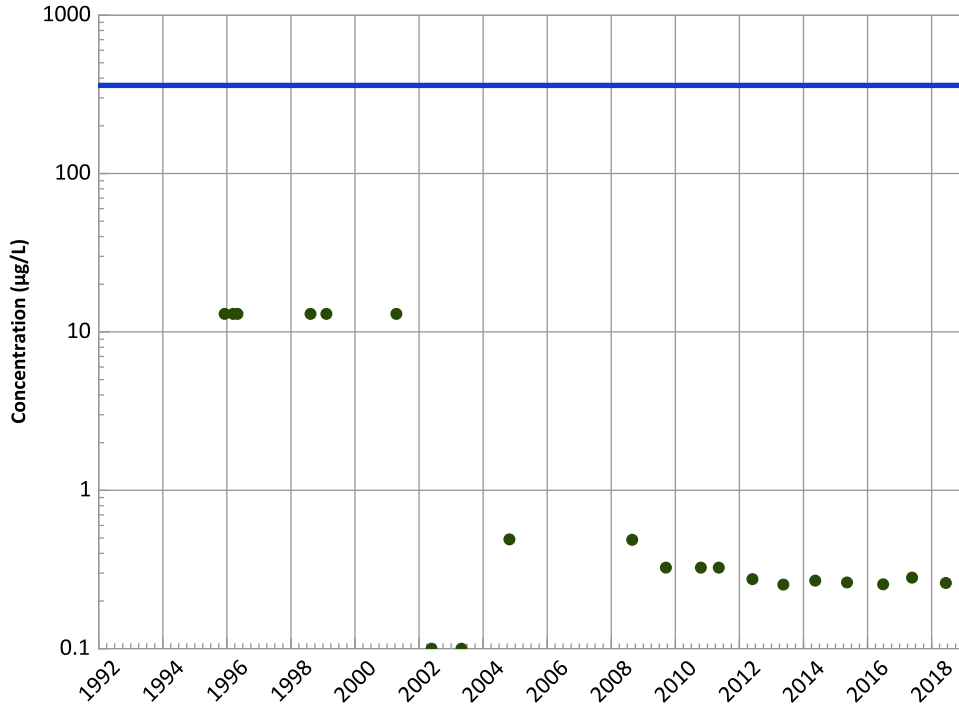
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

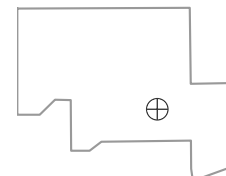
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

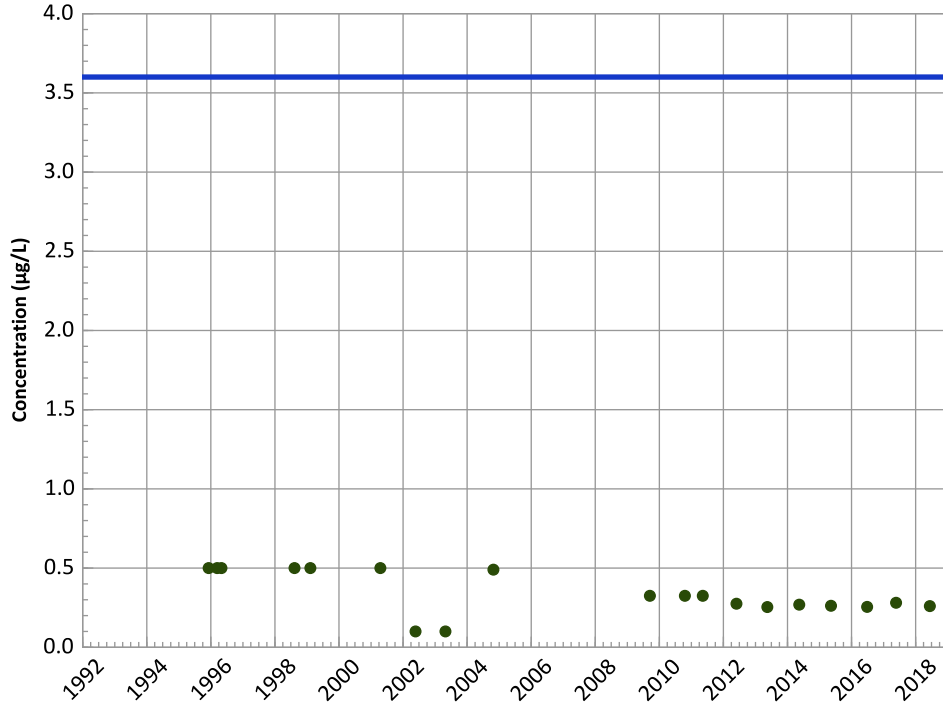
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

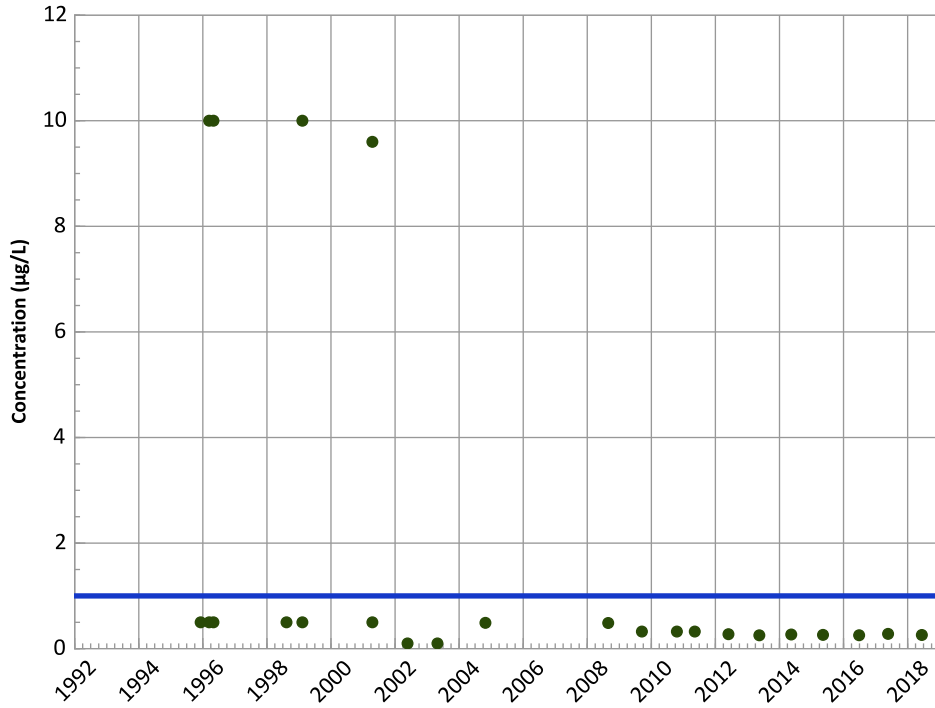
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

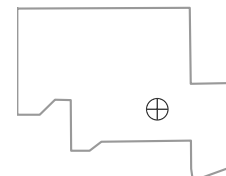
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

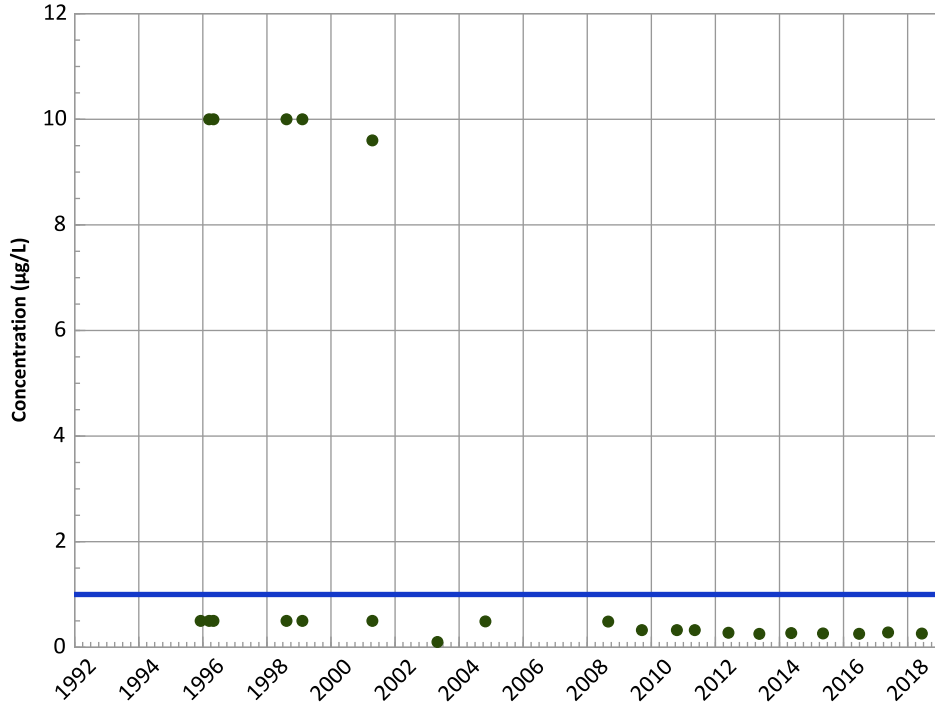
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

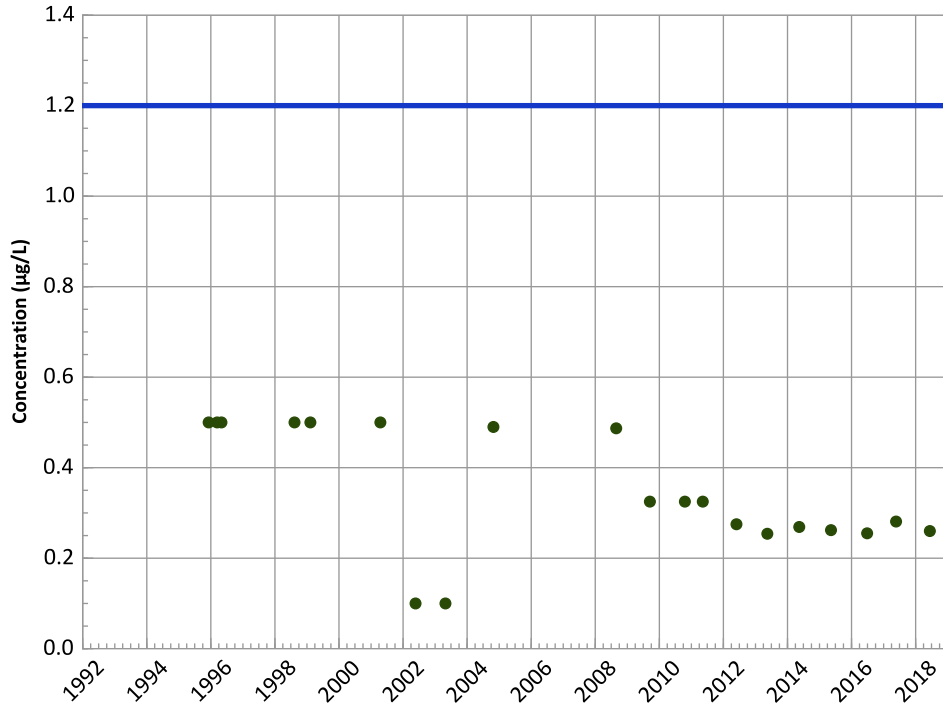
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

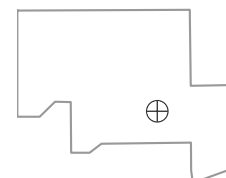
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

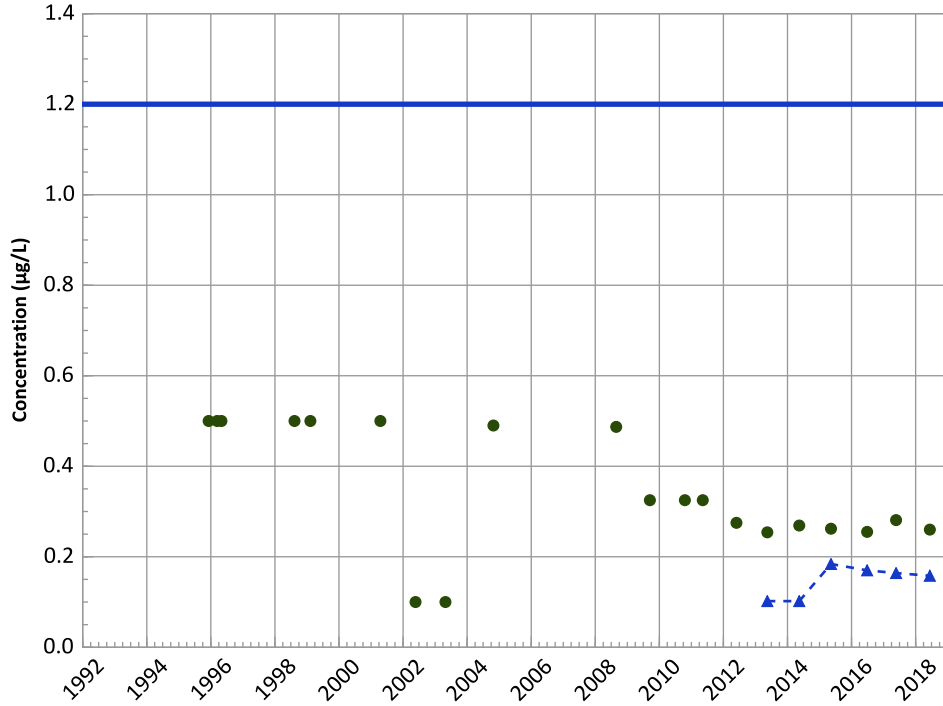
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

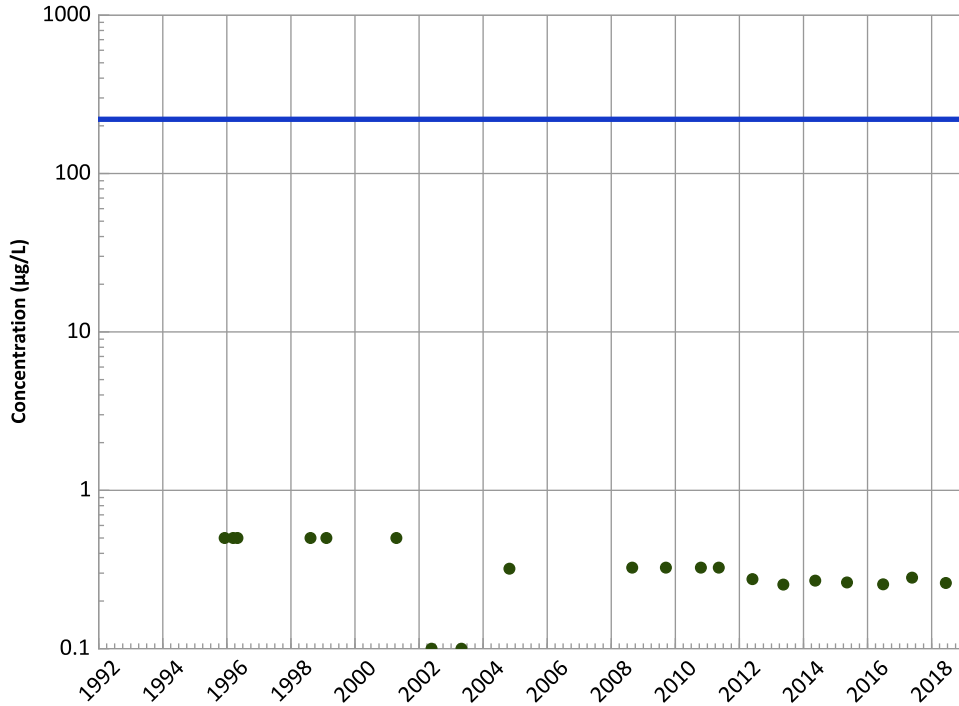
Data (2017 - 2021):

Probably Increasing

All Data:

Probably Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

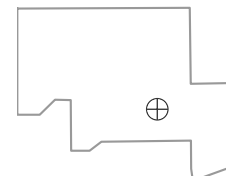
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

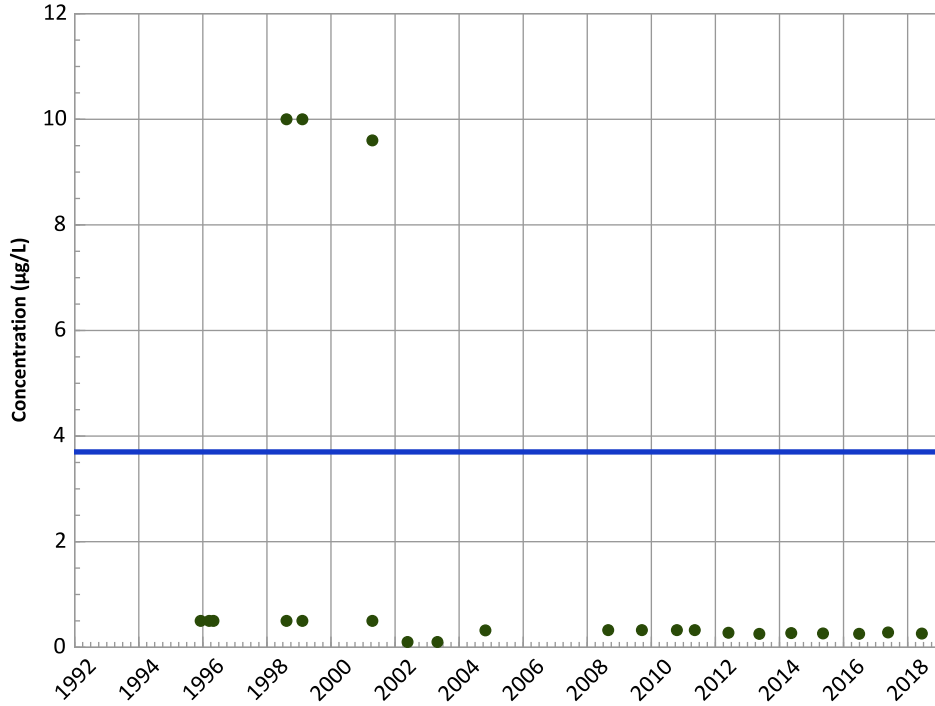
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

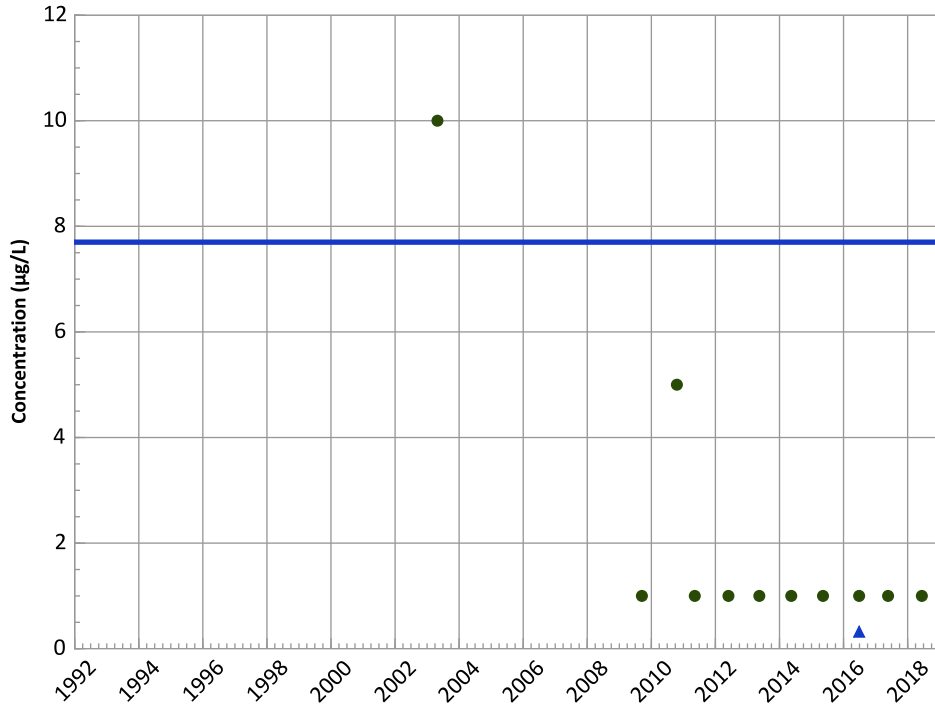
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

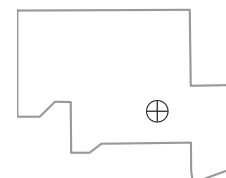
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

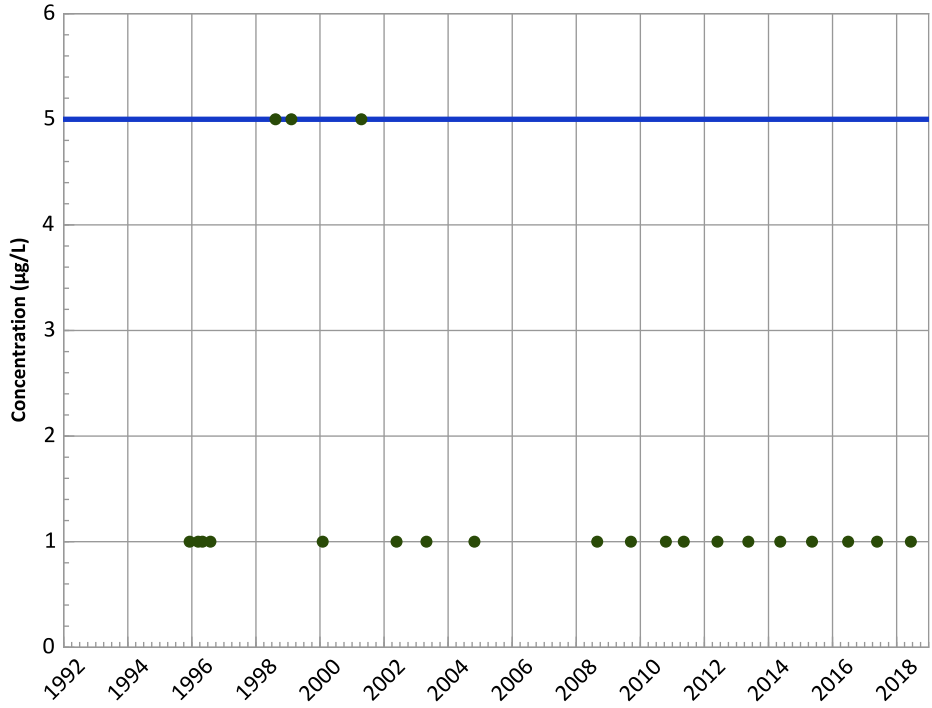


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

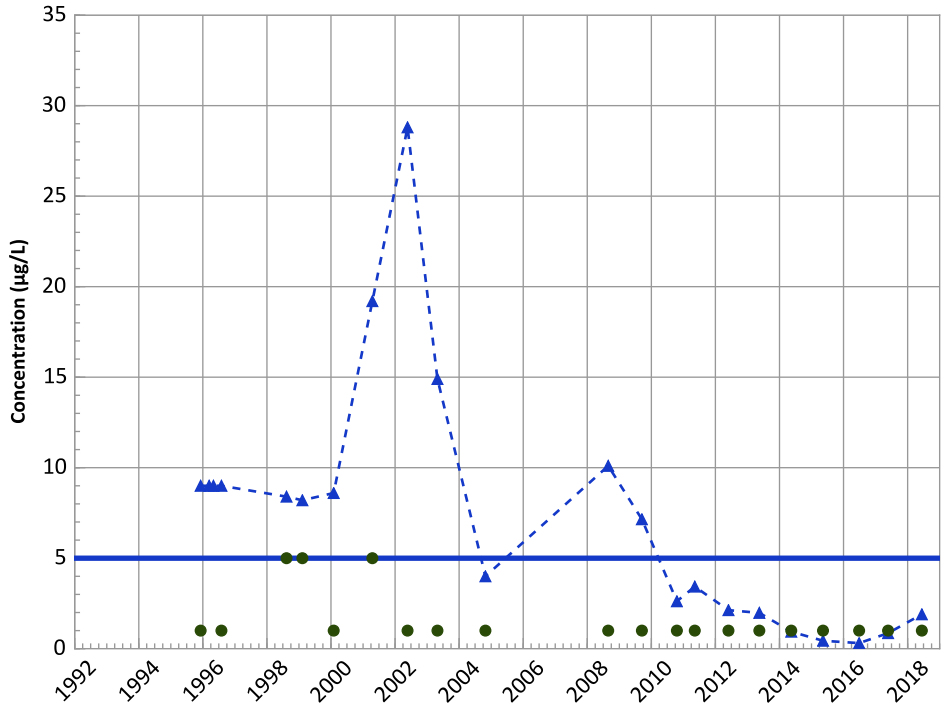
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

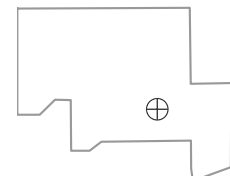
All Data:

Decreasing

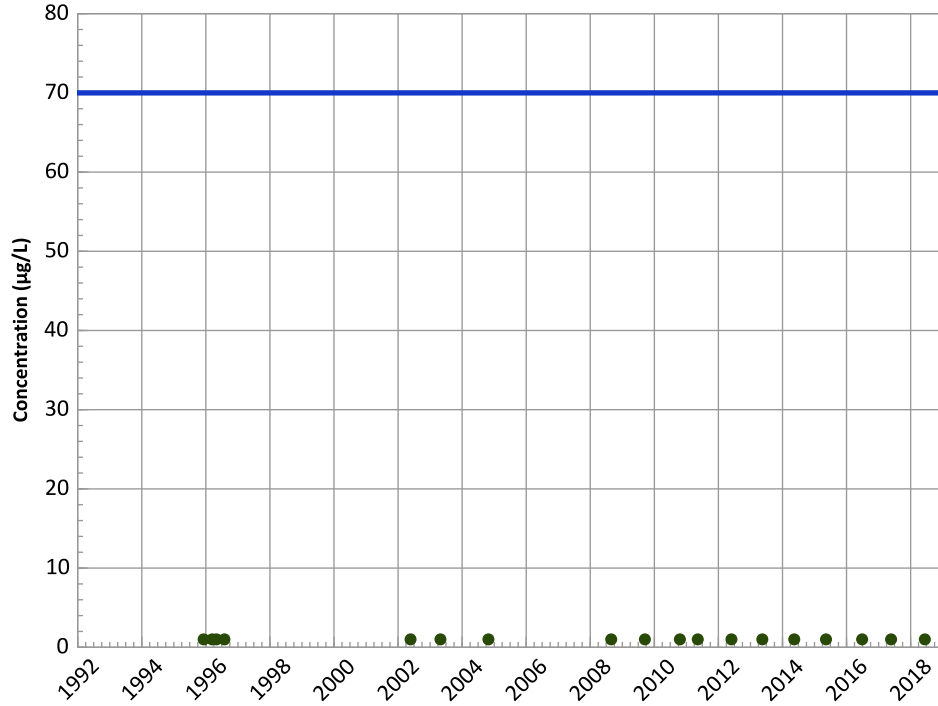
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

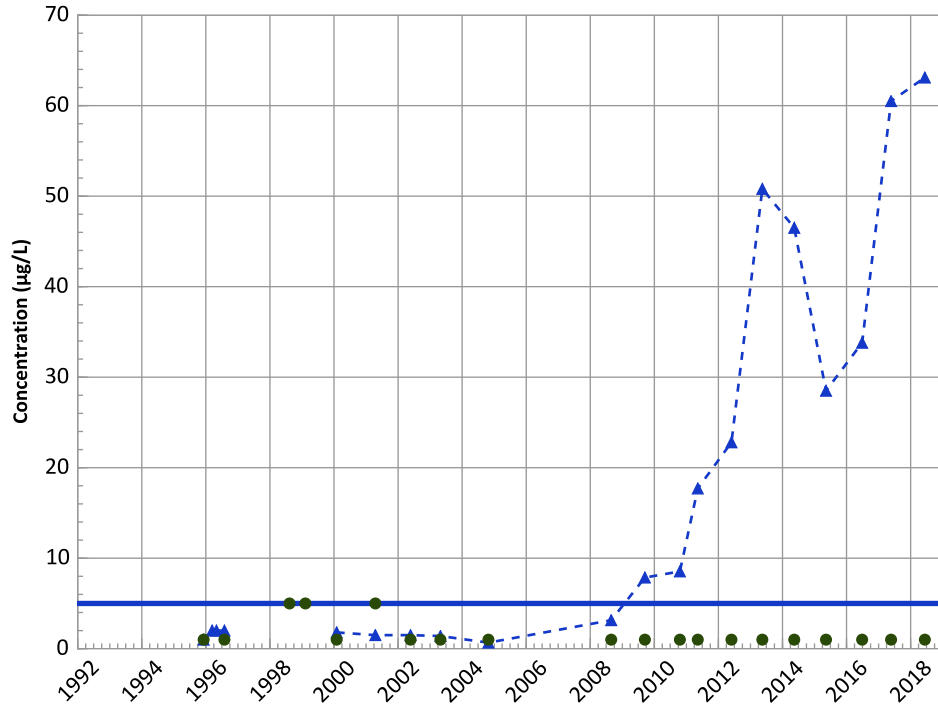
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

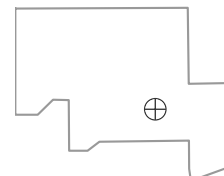
All Data:

Increasing

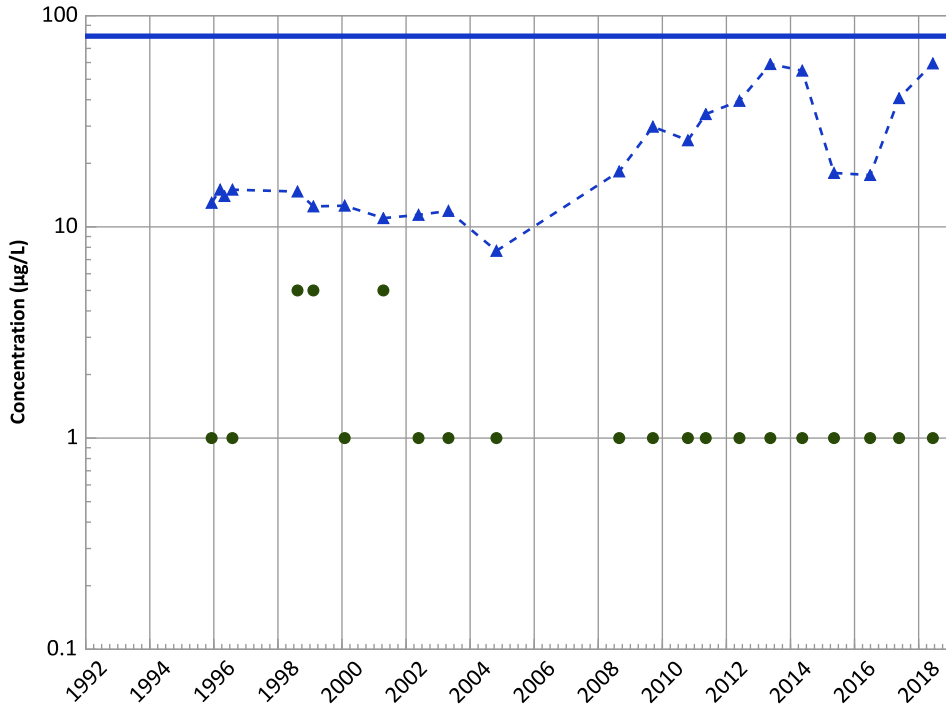
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

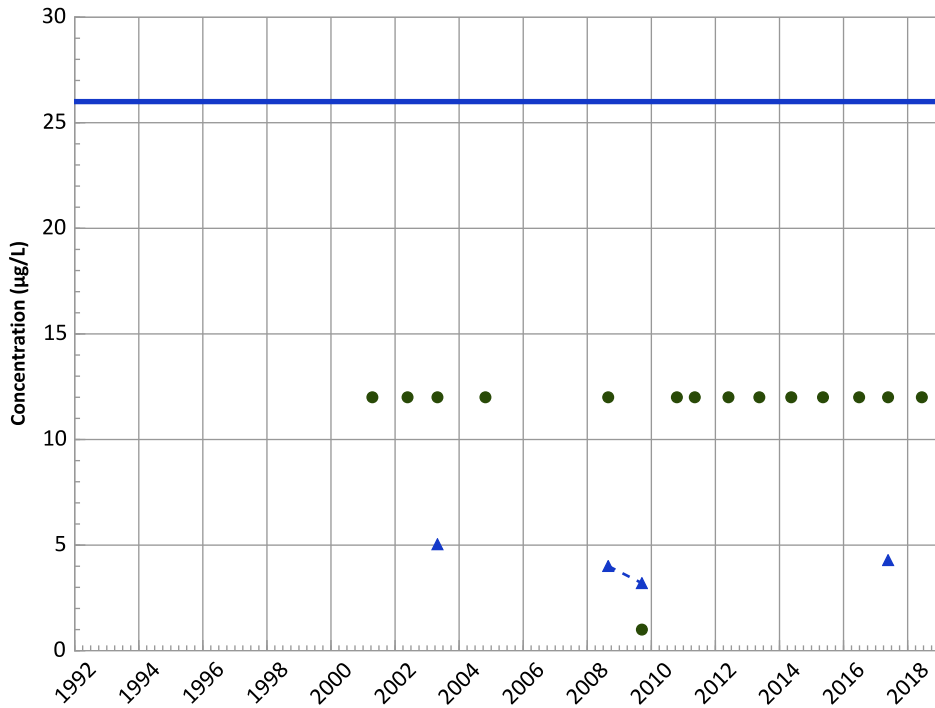
Data (2017 - 2021):

Probably Decreasing

All Data:

Increasing

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

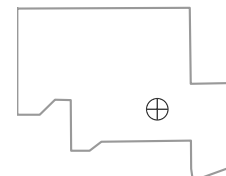
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

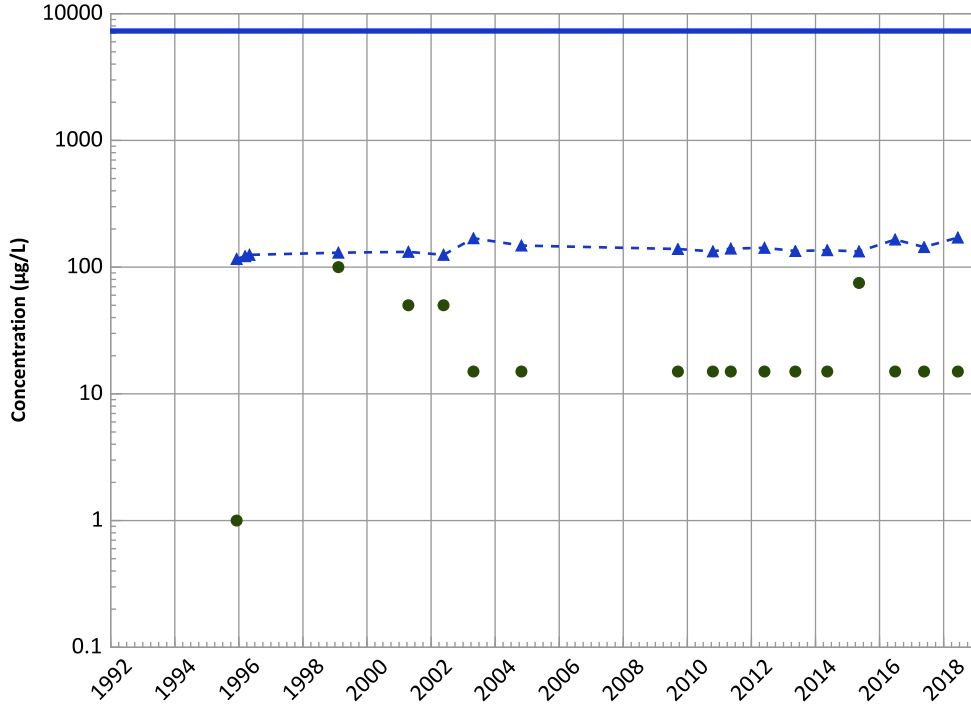
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

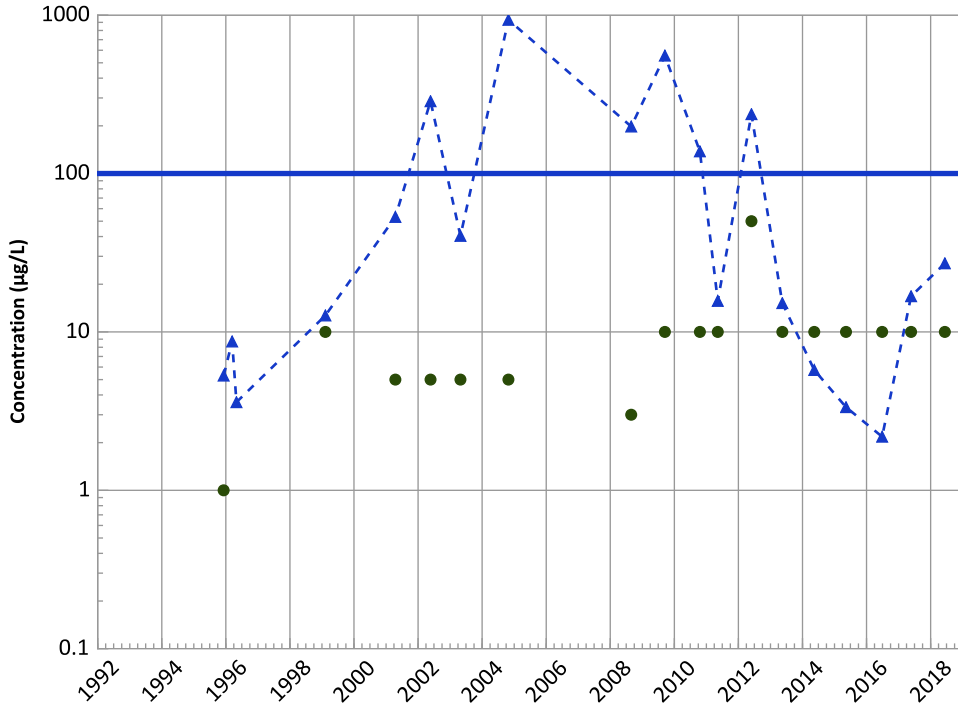


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Stable
All Data:
Increasing

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

Chromium, Total Trend



Concentration Trend

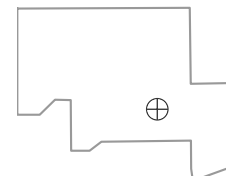
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

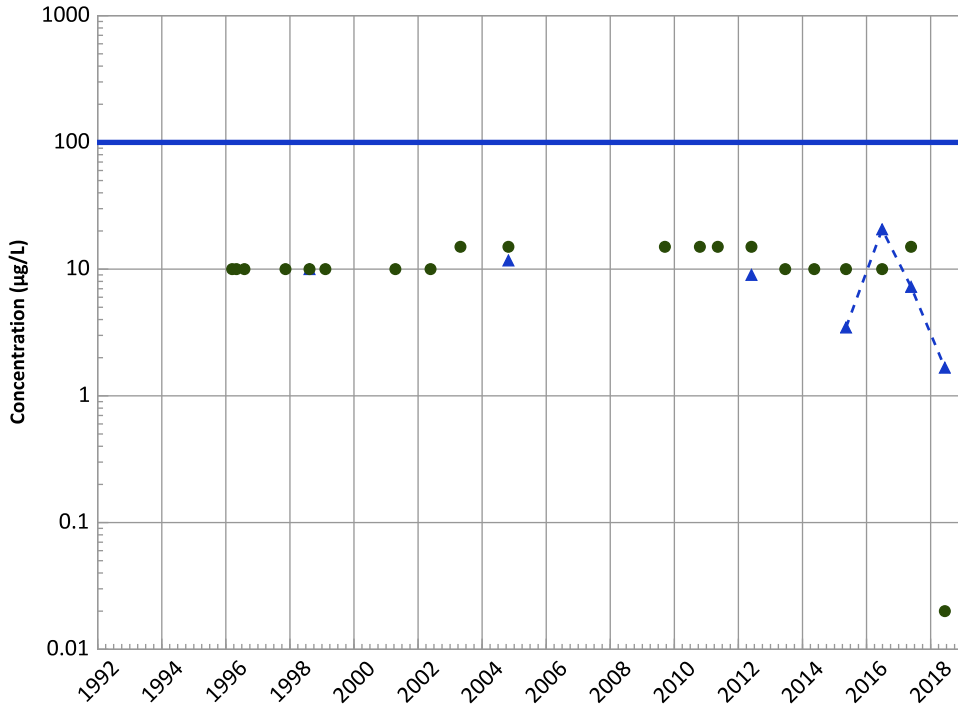
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

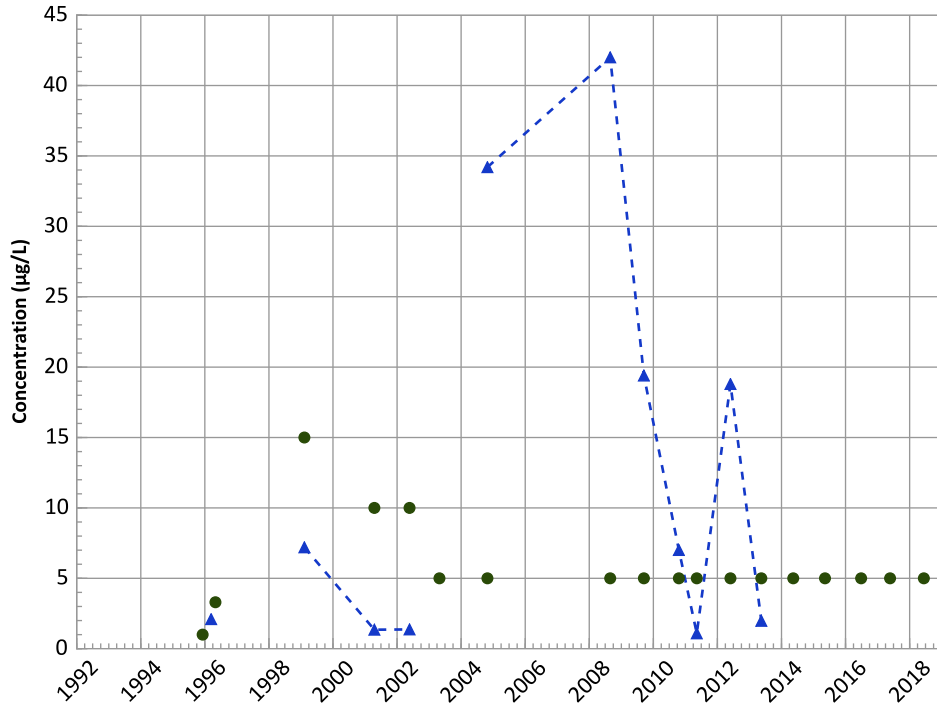


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Manganese Trend



Concentration Trend

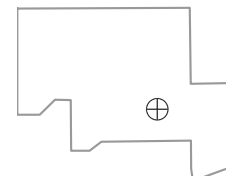
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

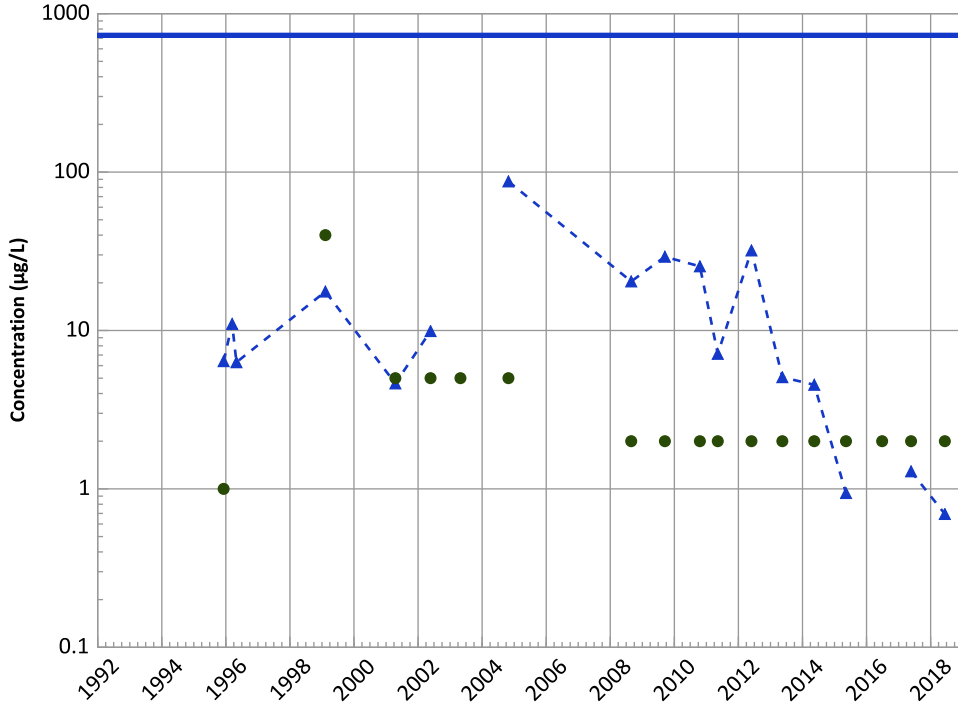
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

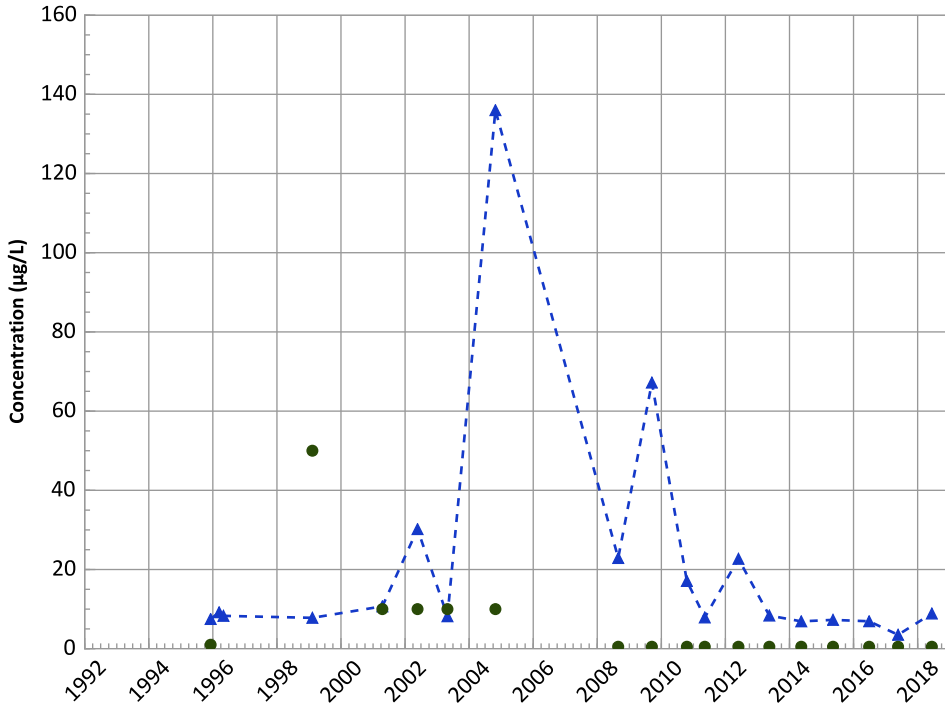
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

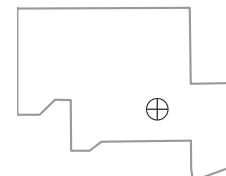
Data (2017 - 2021):

Probably Decreasing

All Data:

No Trend

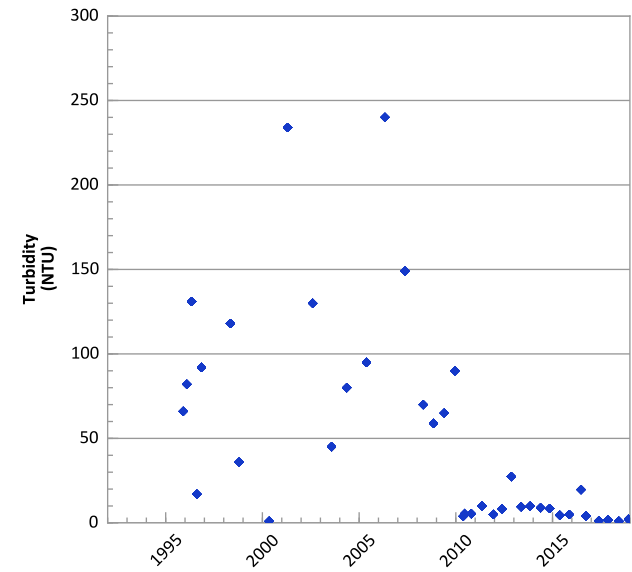
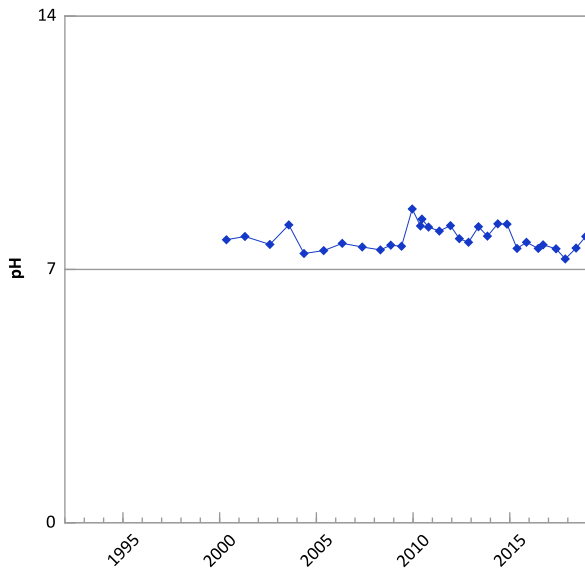
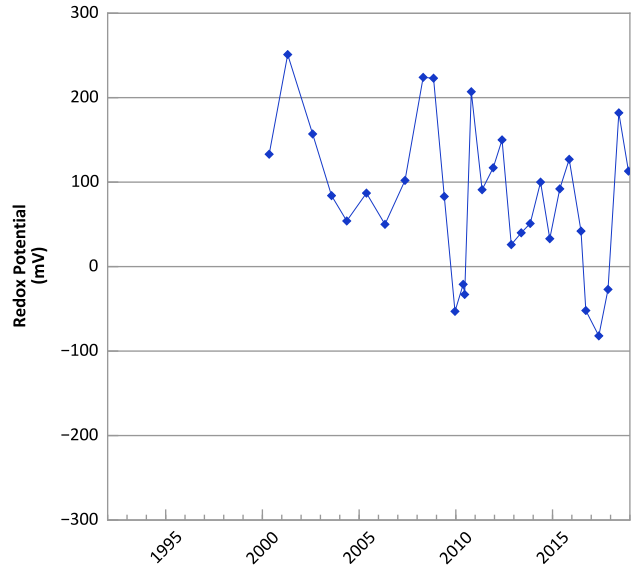
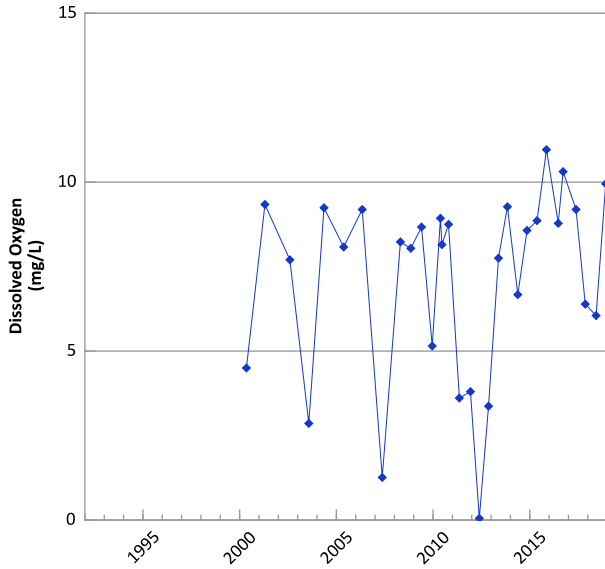
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/07/1995 to 06/12/2018
Analysis Date: 02/14/2019

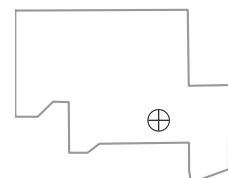
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



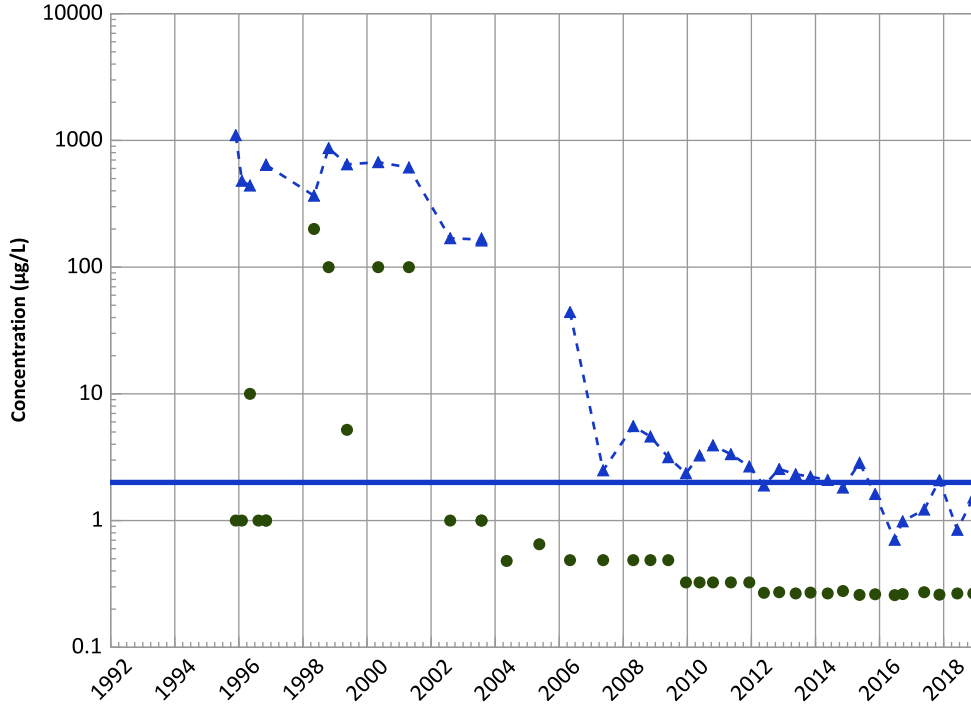
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/27/1995 to 12/05/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

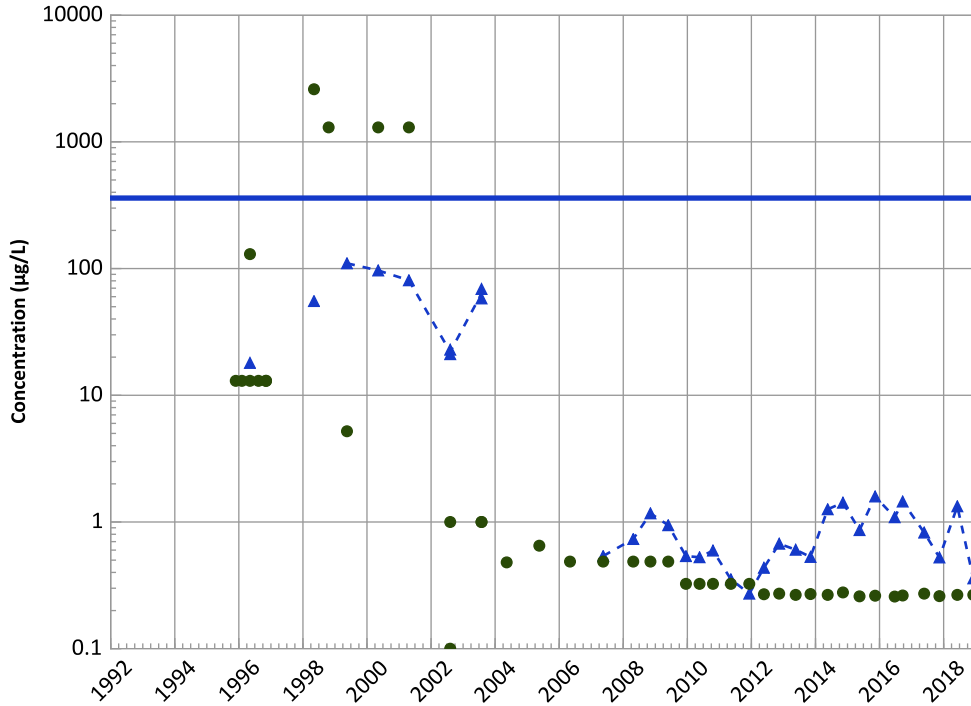


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

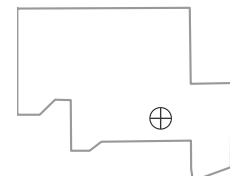


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

Well Location

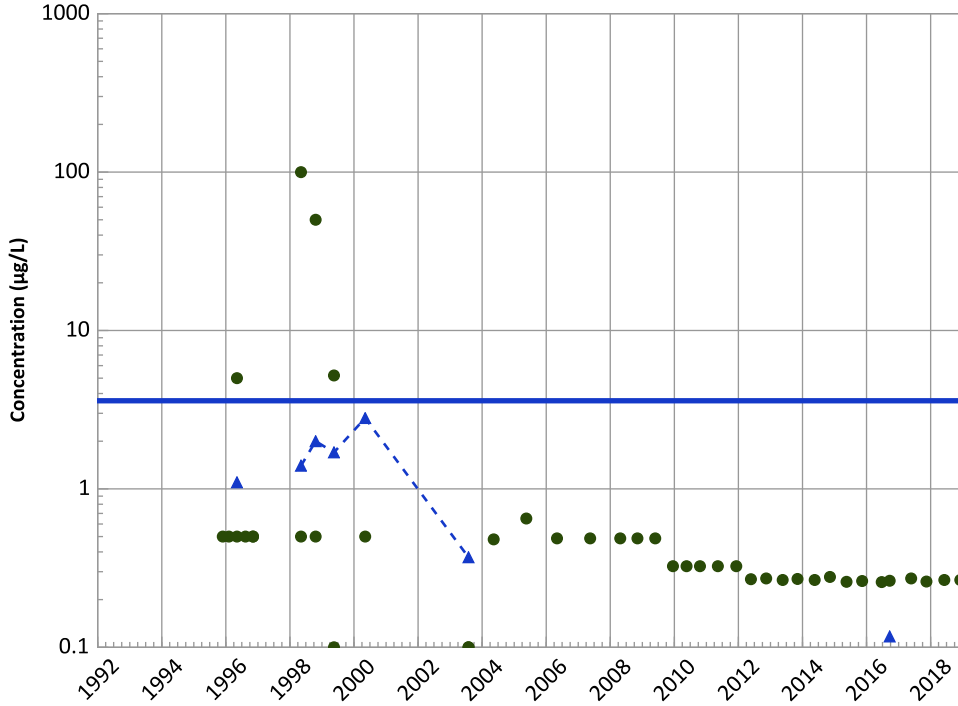


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

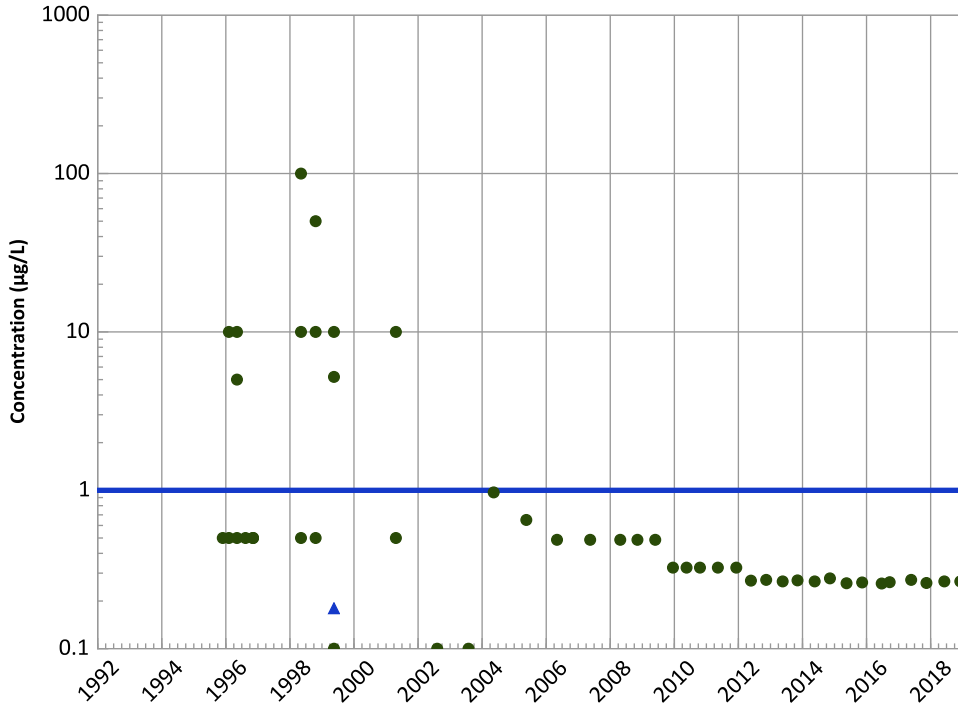


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

2,4-Dinitrotoluene Trend



Concentration Trend

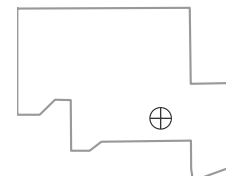
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

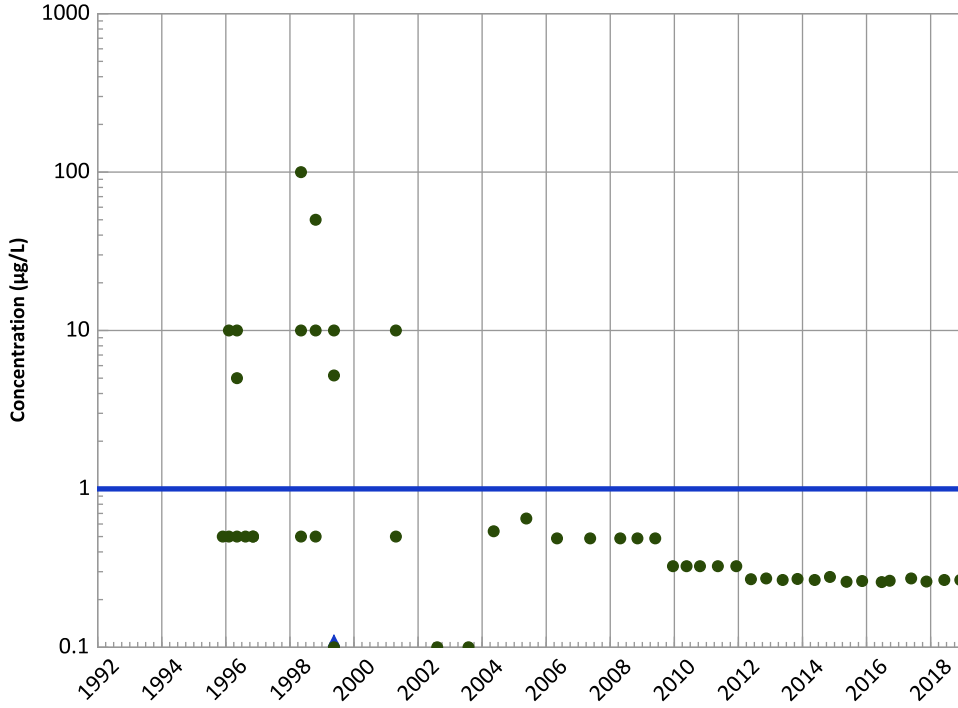
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

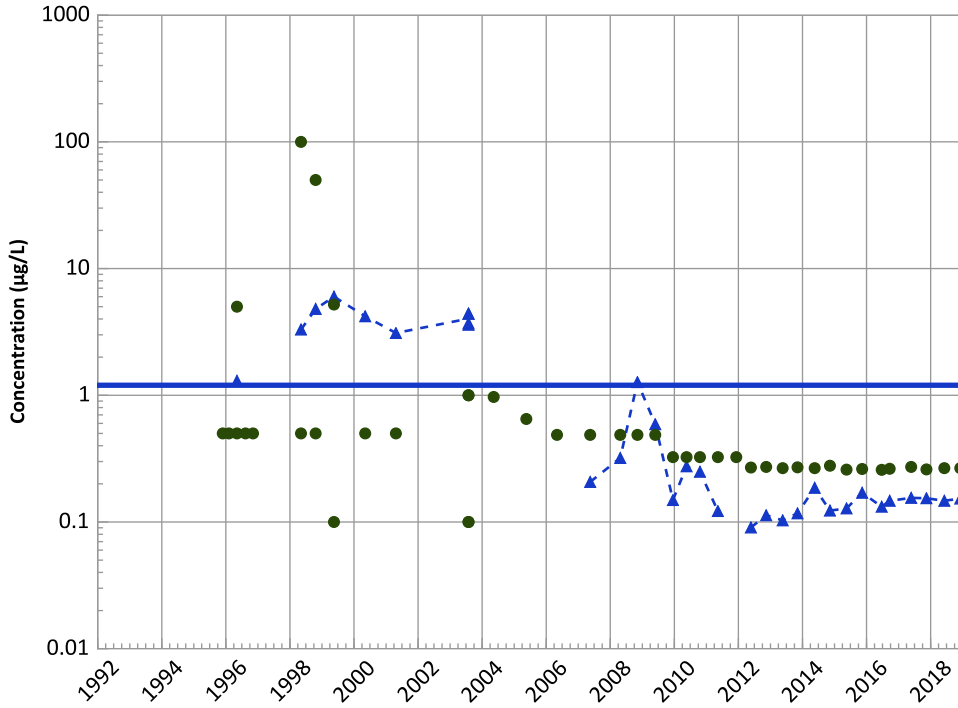
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

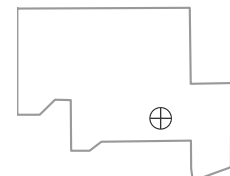
Data (2017 - 2021):

Increasing

All Data:

Decreasing

Well Location

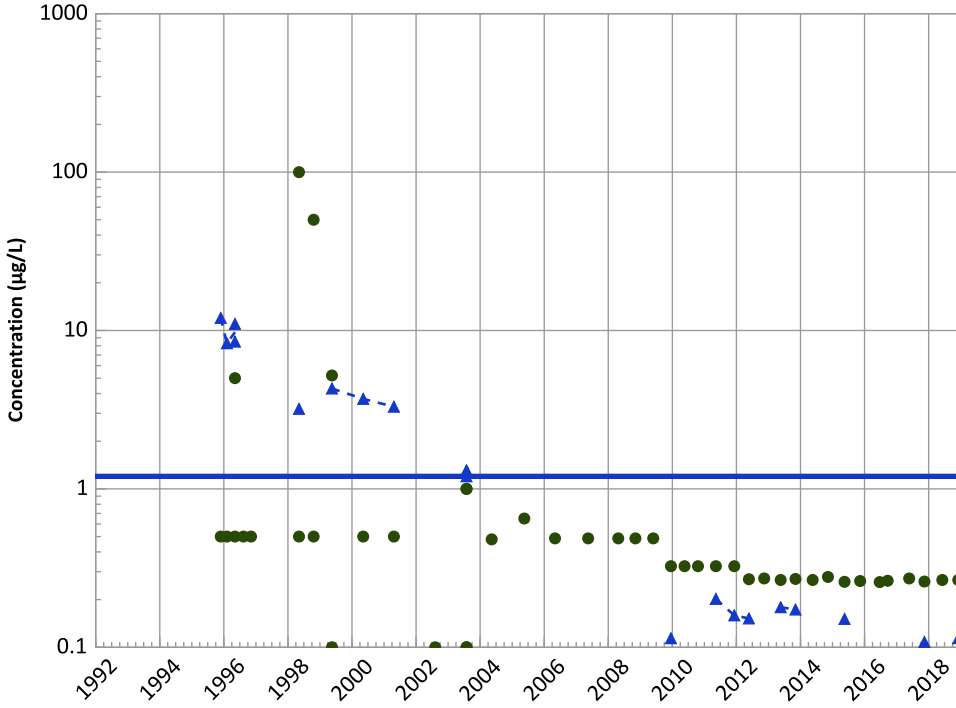


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

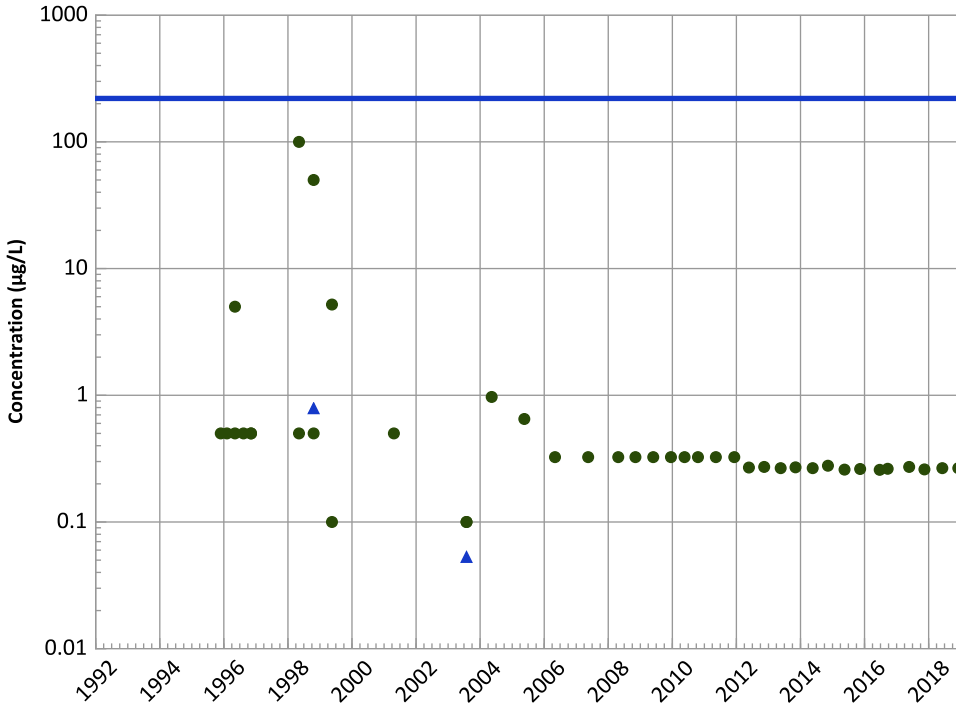
Data (2017 - 2021):

Stable

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

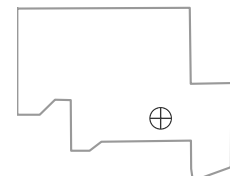
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

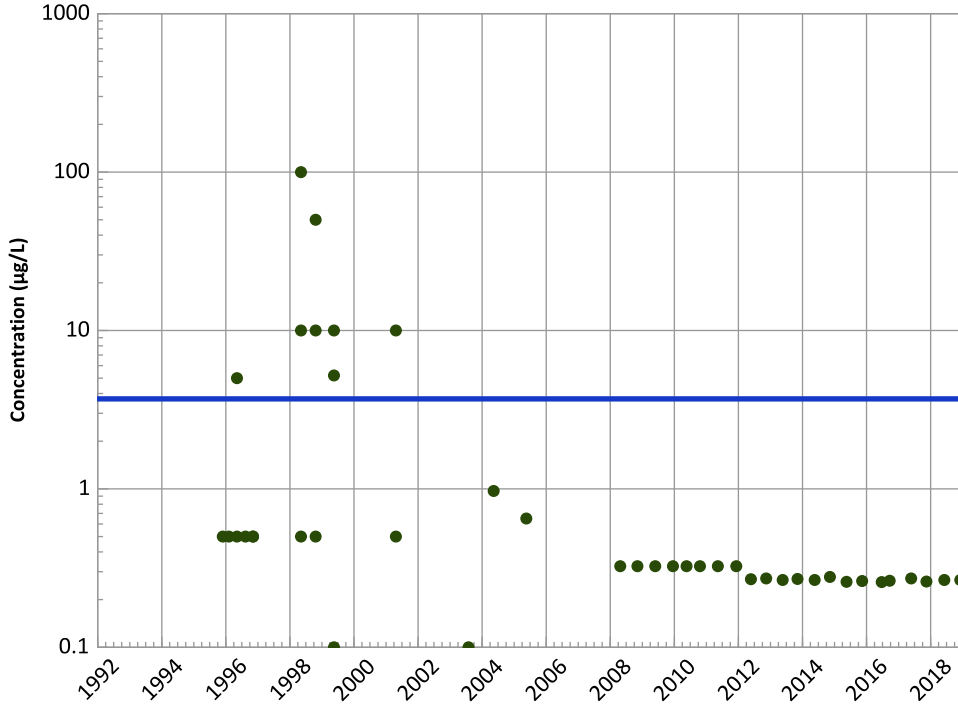


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

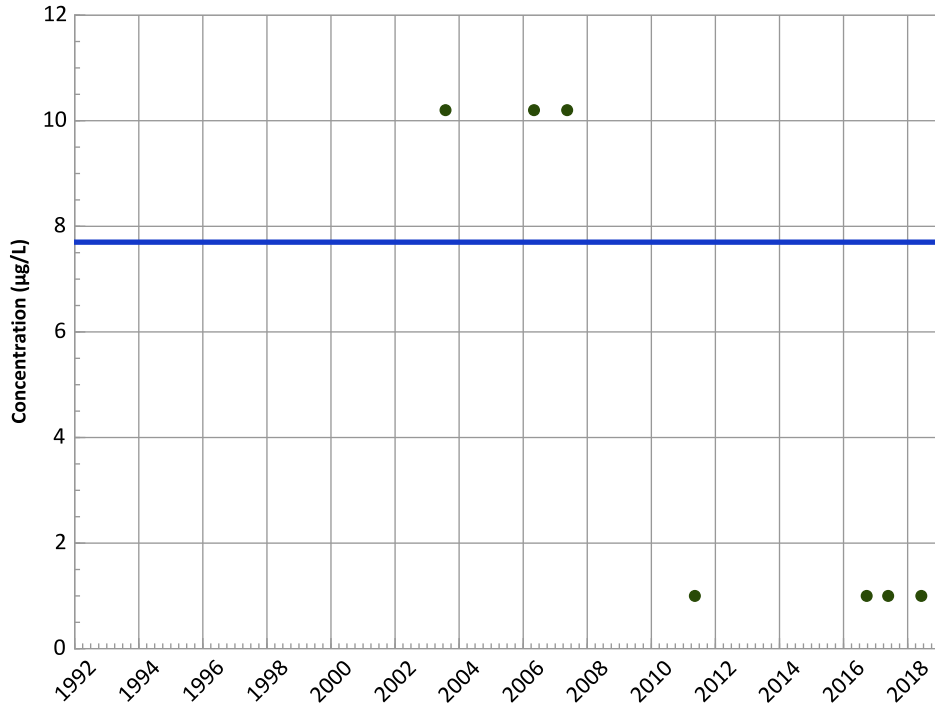
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

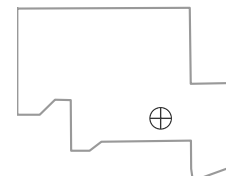
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

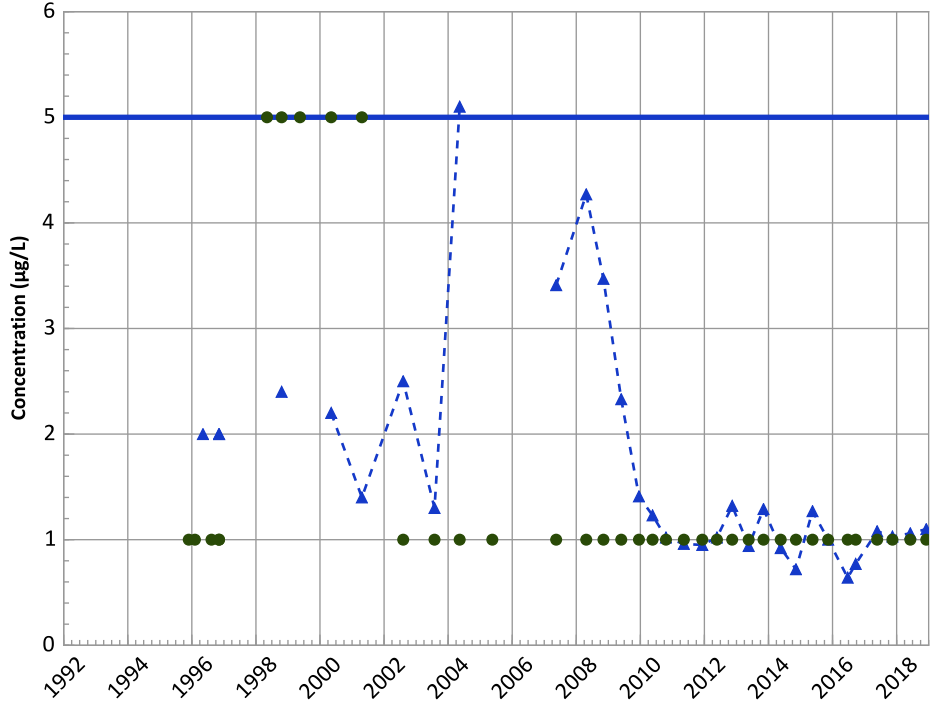
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

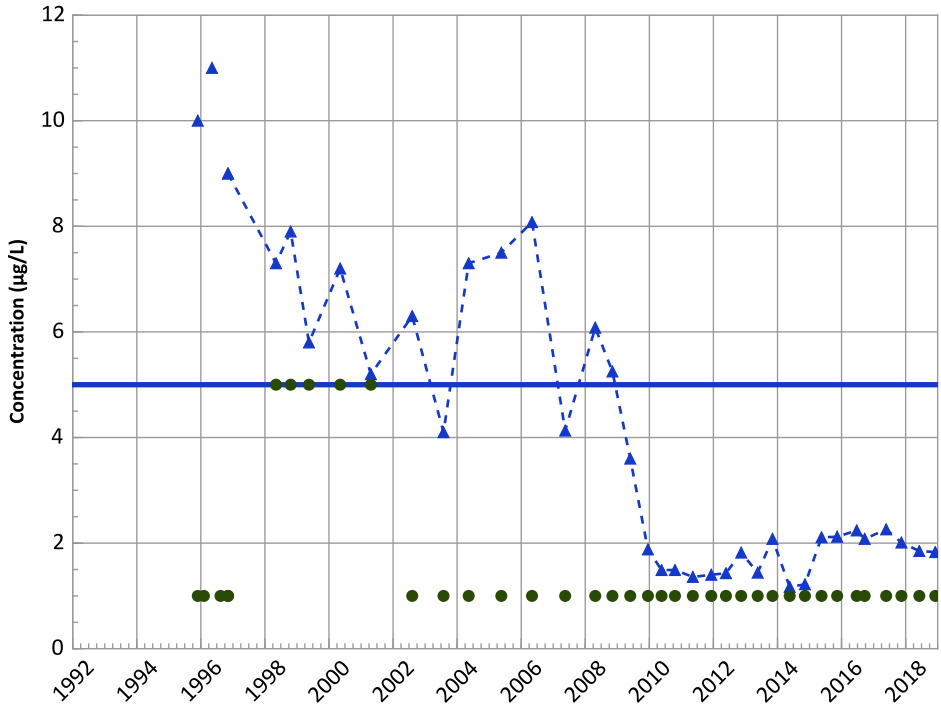
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

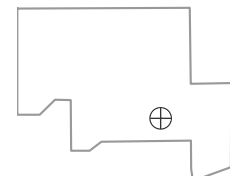
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

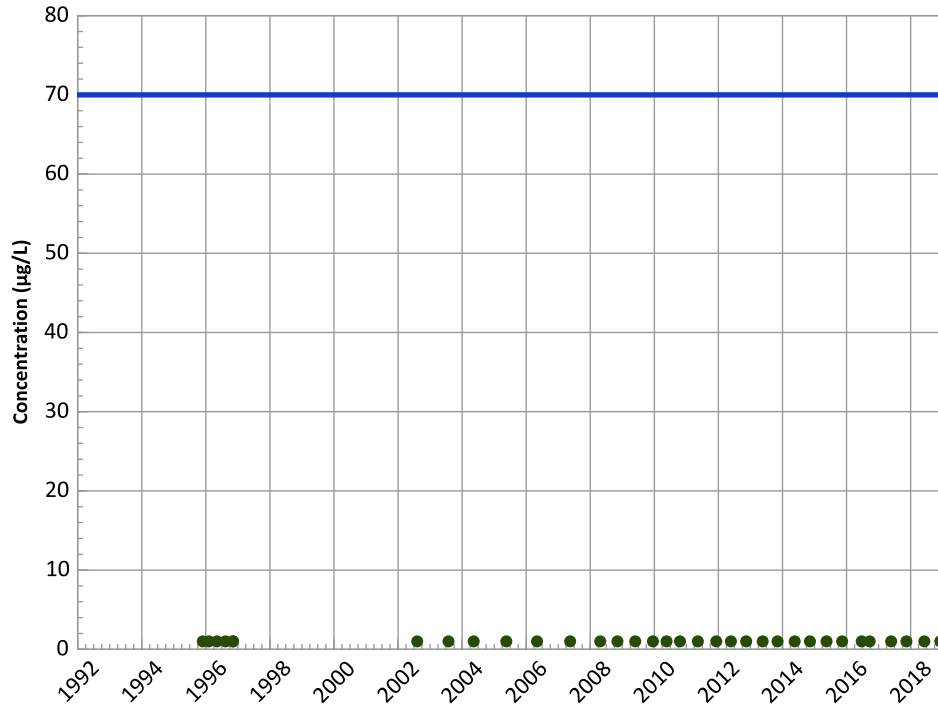
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

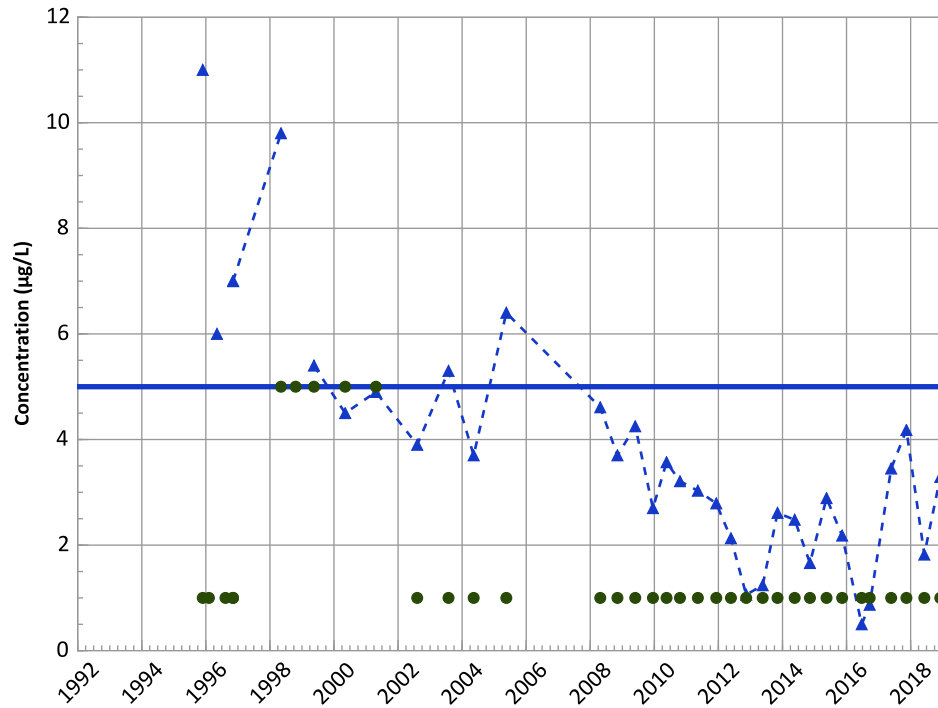
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

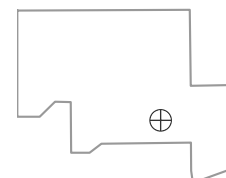
Data (2017 - 2021):

Stable

All Data:

Decreasing

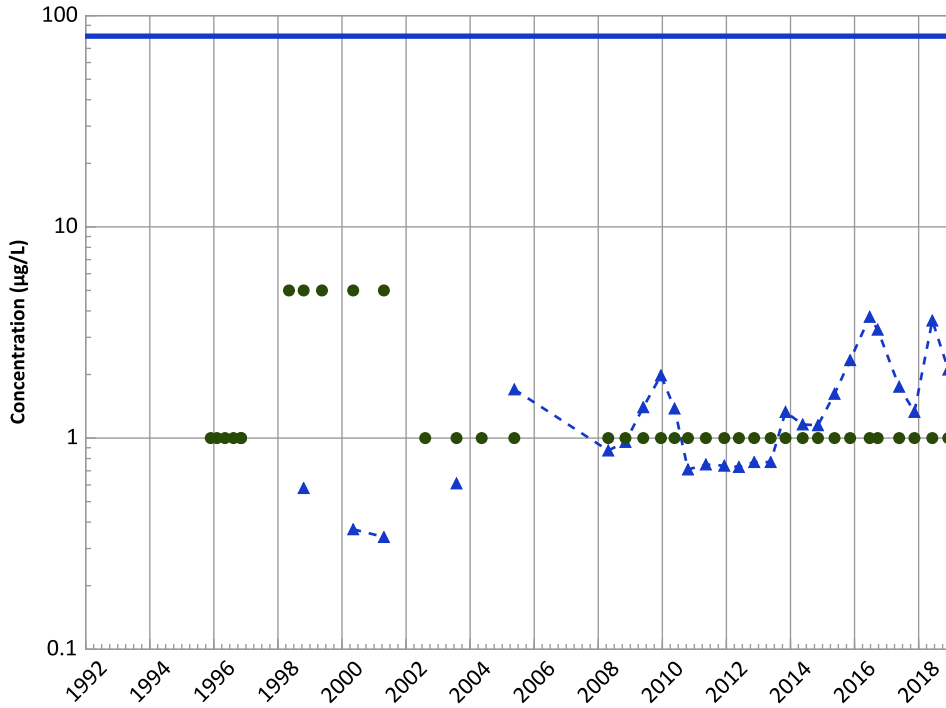
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

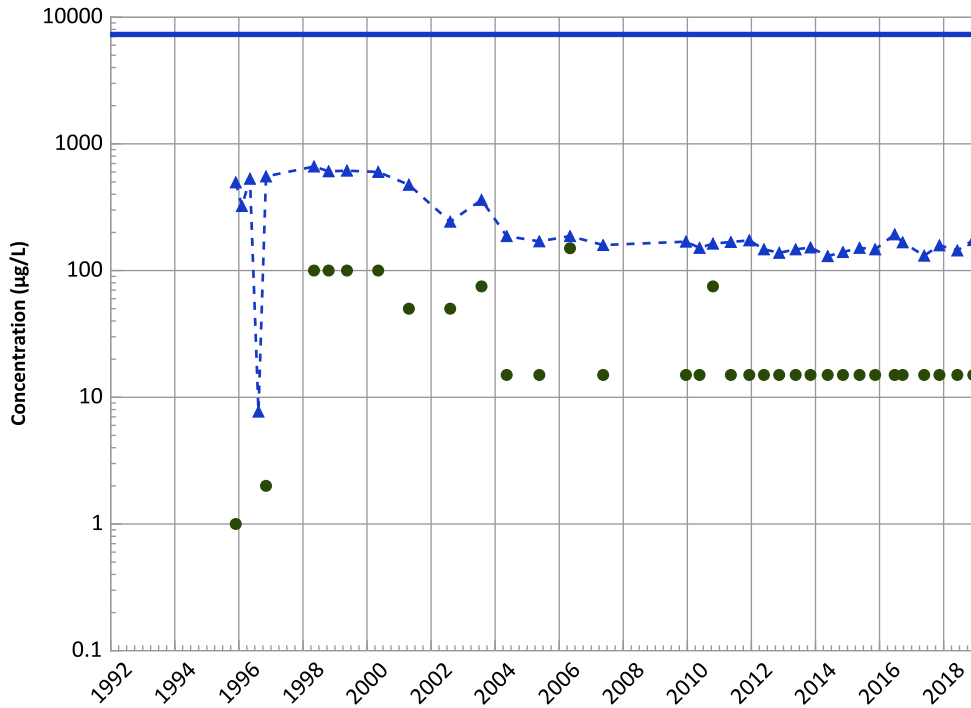


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Boron Trend



Concentration Trend

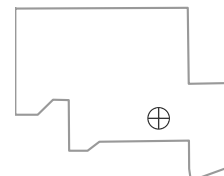
MAROS Mann-Kendall Method
Data (2017 - 2021):
Probably Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

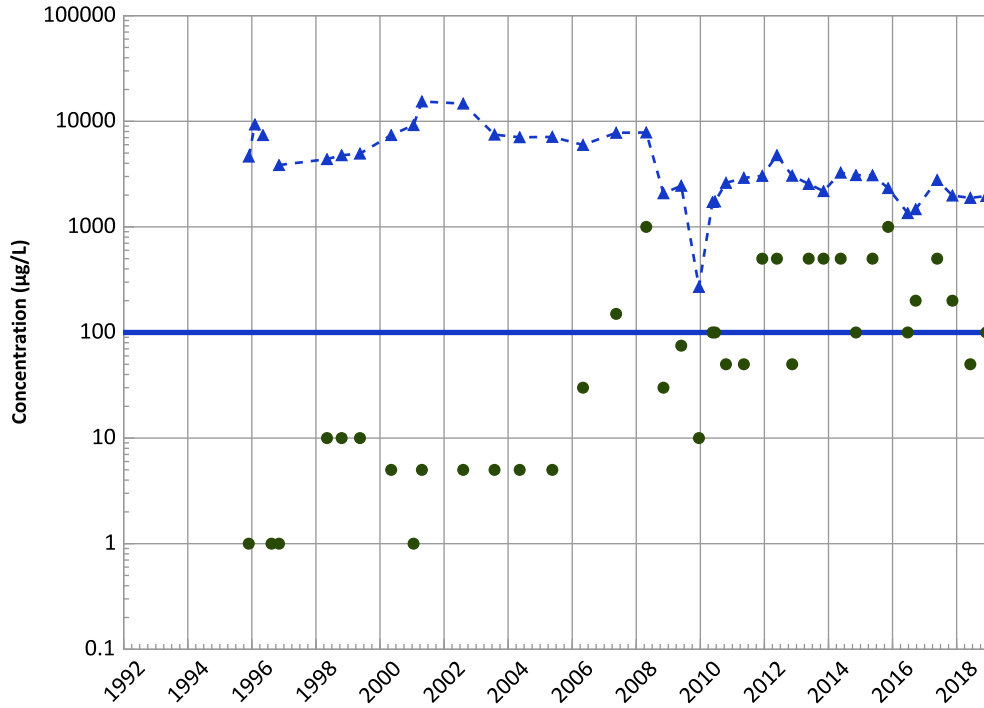
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

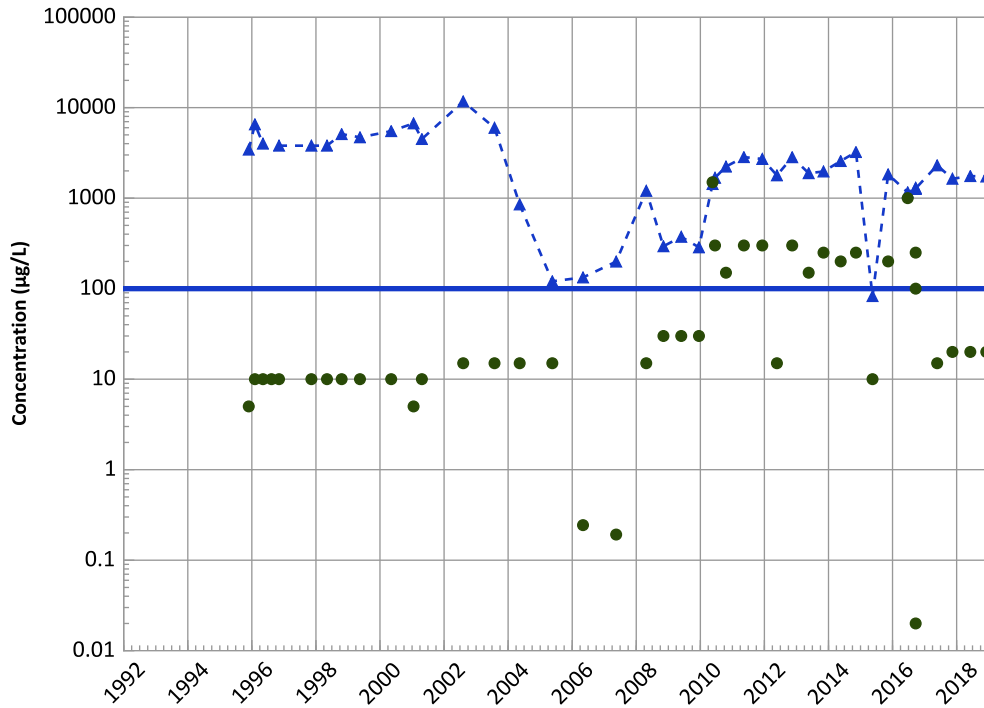
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

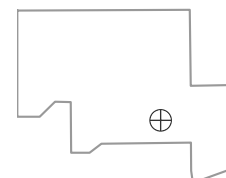
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

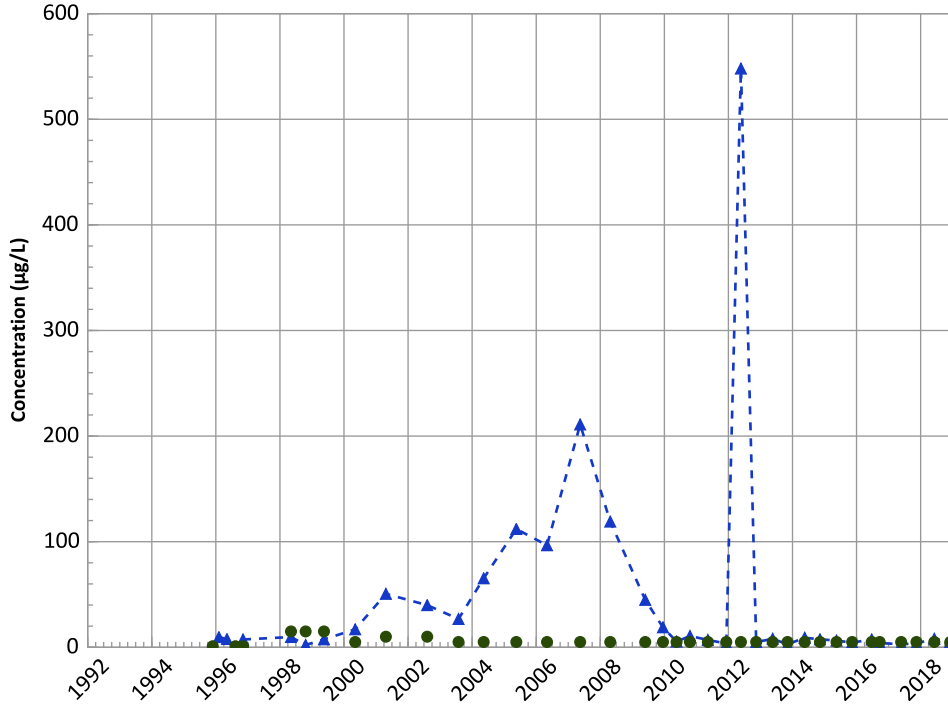
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

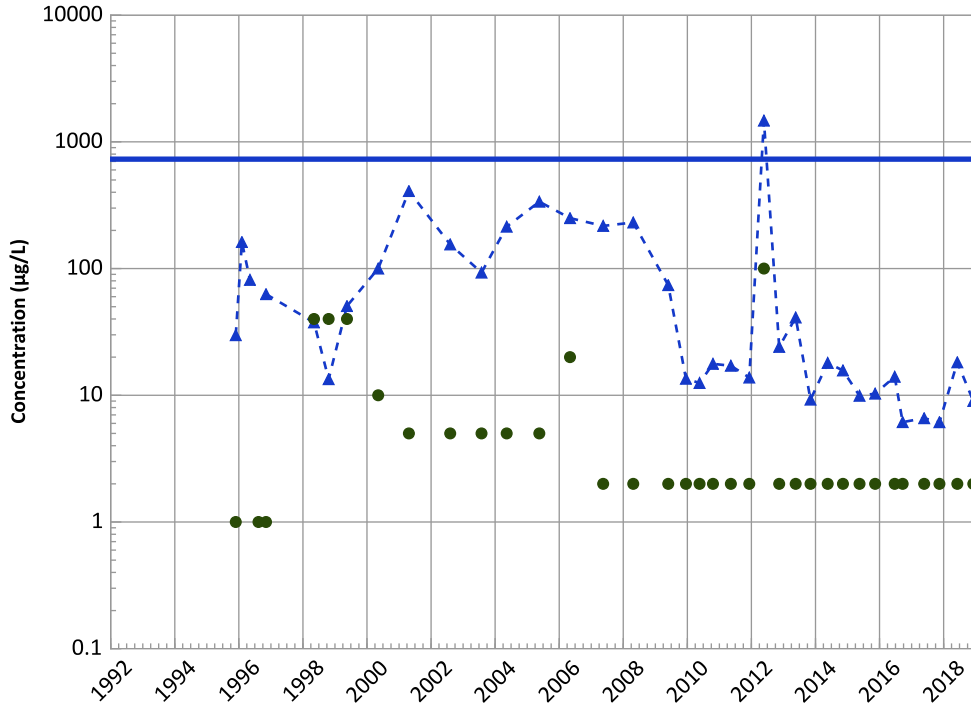
Data (2017 - 2021):

Probably Decreasing

All Data:

Probably Decreasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

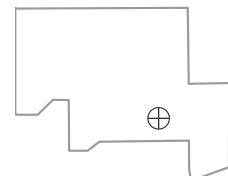
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

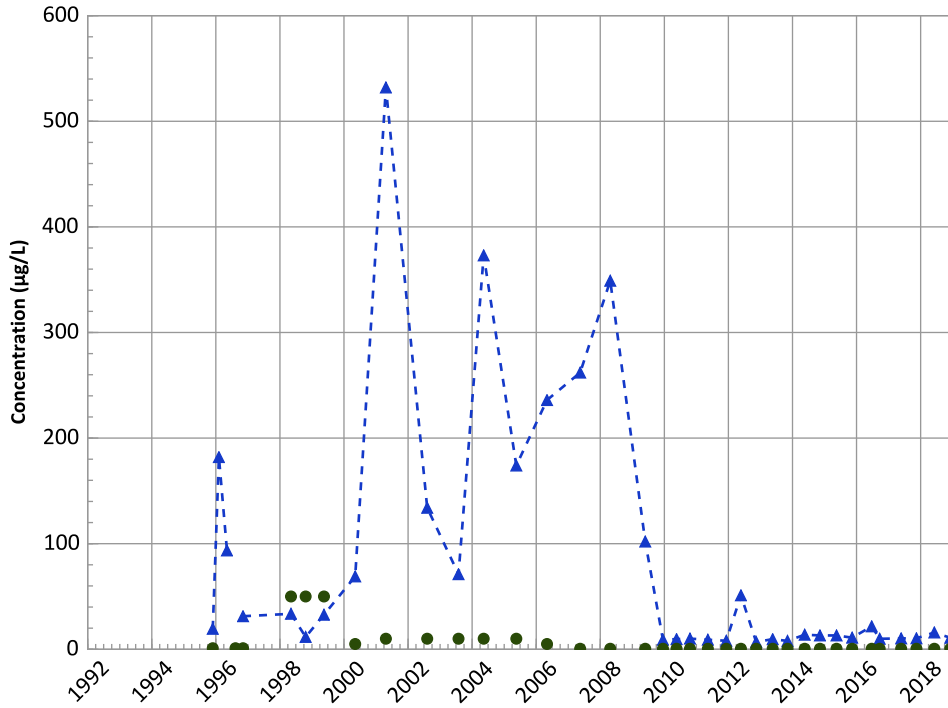
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1010 in Perched Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

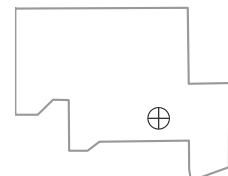
All Data:

Decreasing

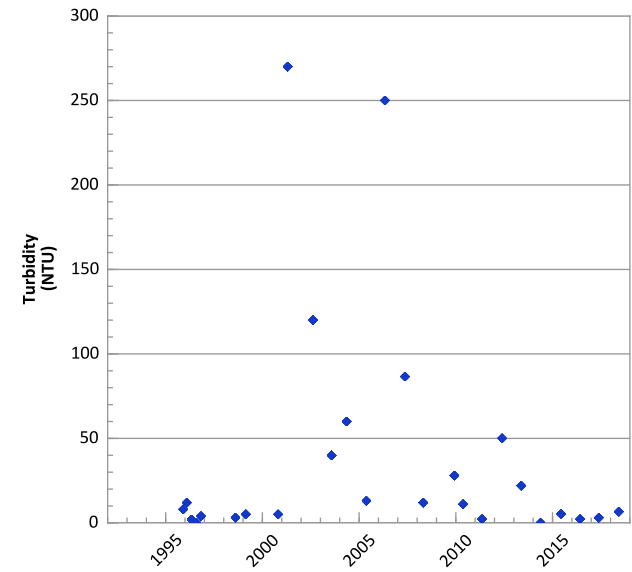
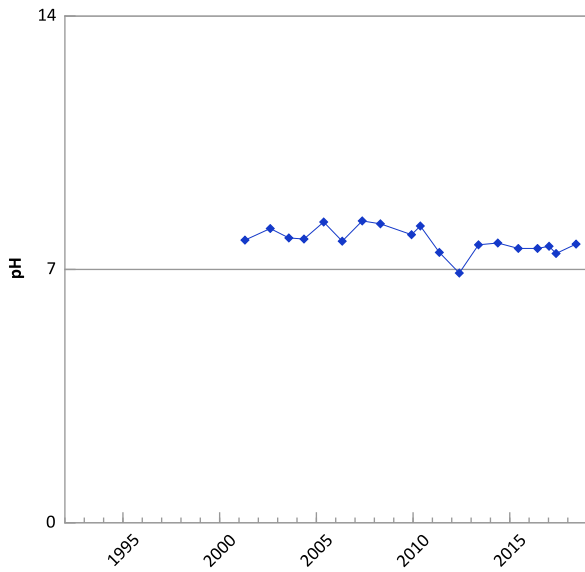
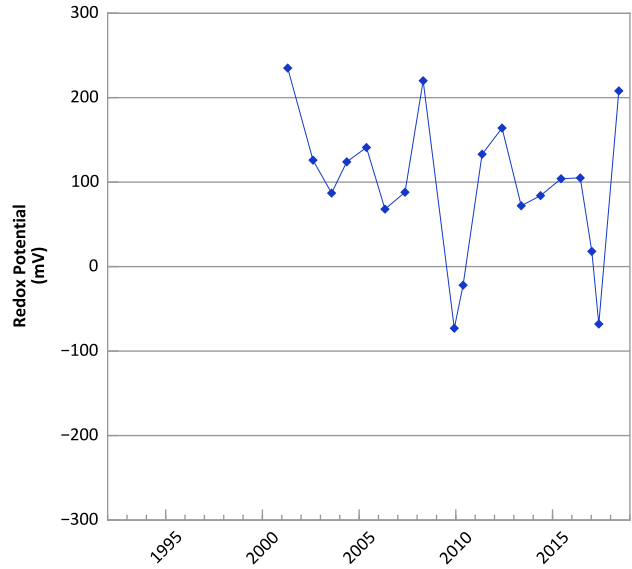
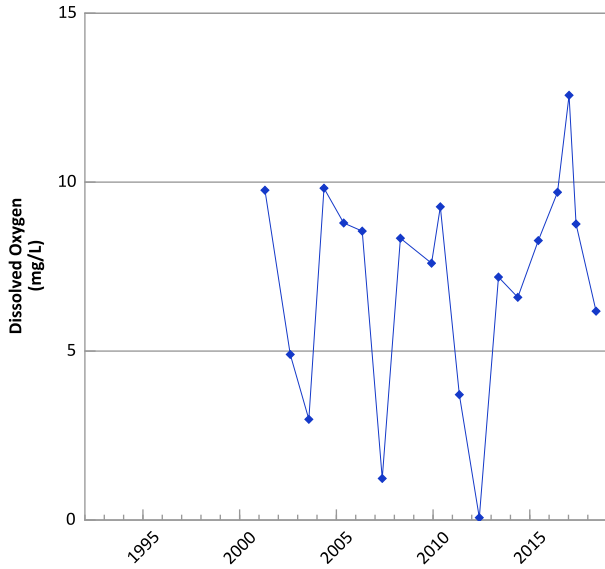
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

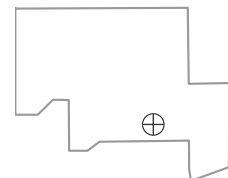


**PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



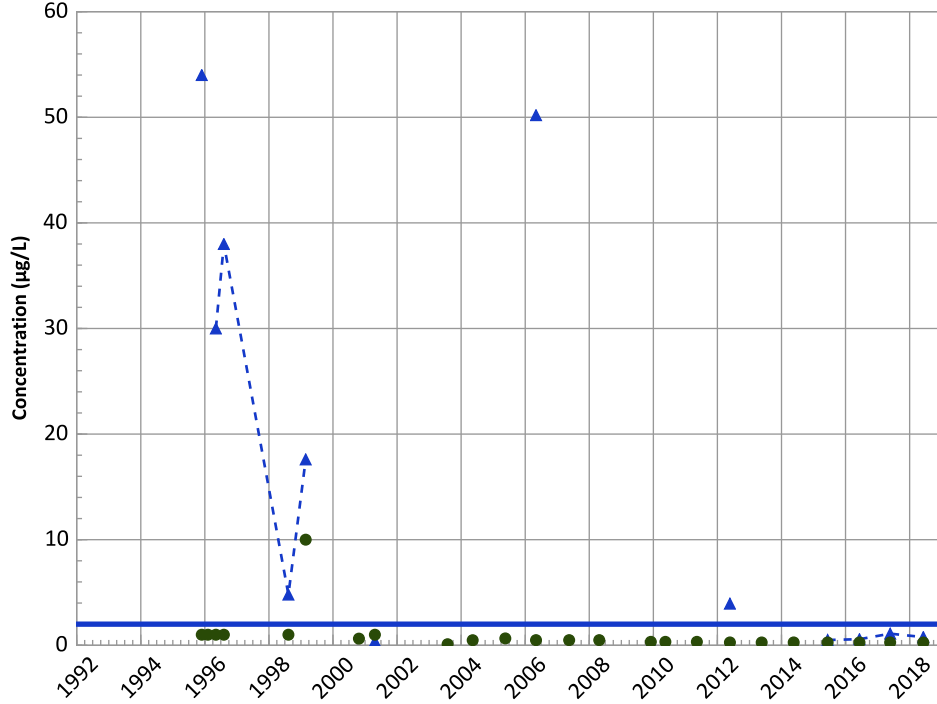
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/27/1995 to 06/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

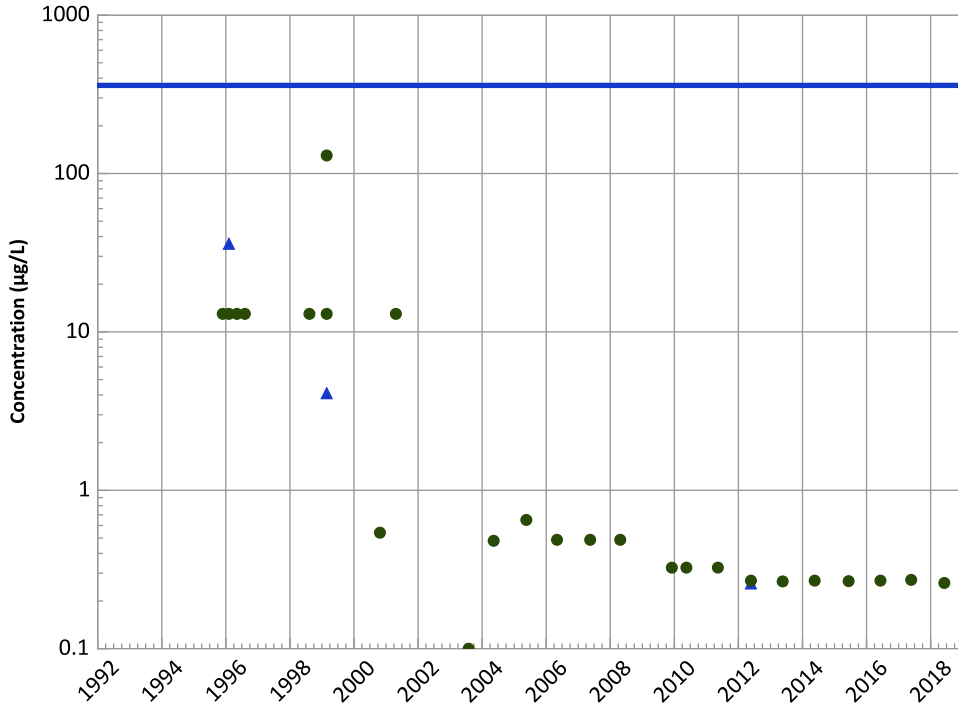


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

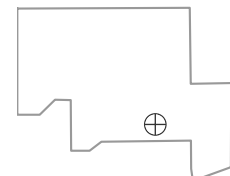


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

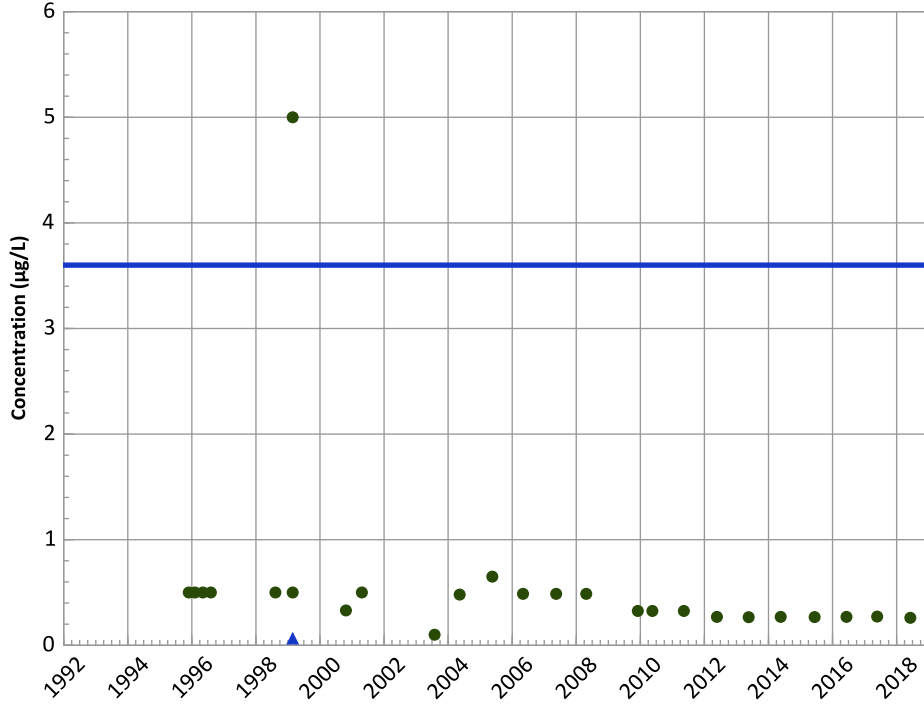


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

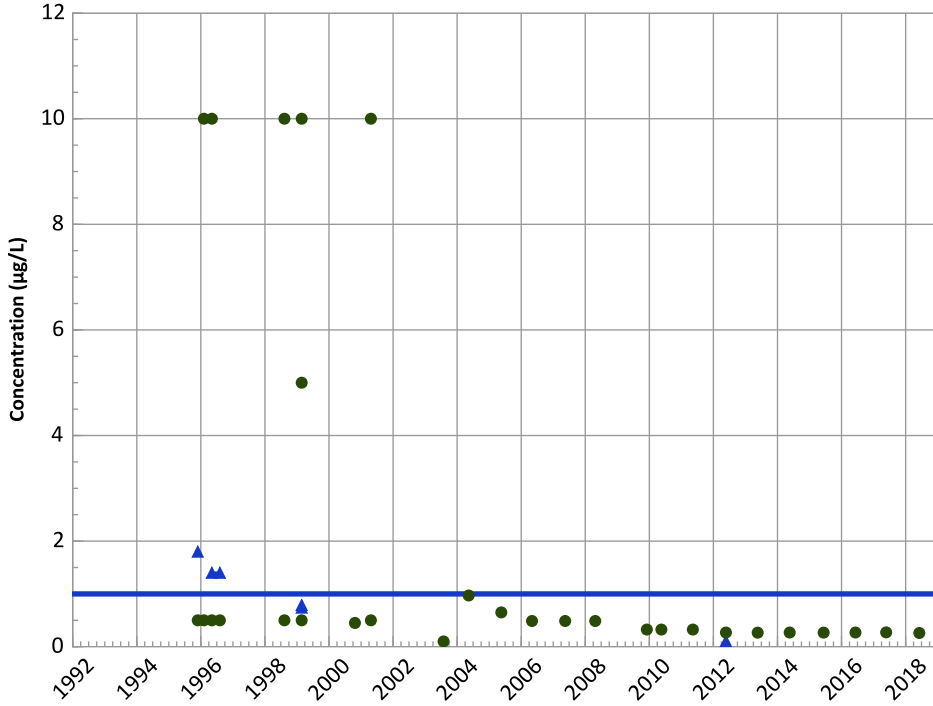
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

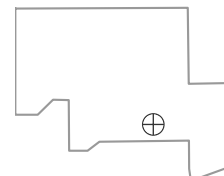
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

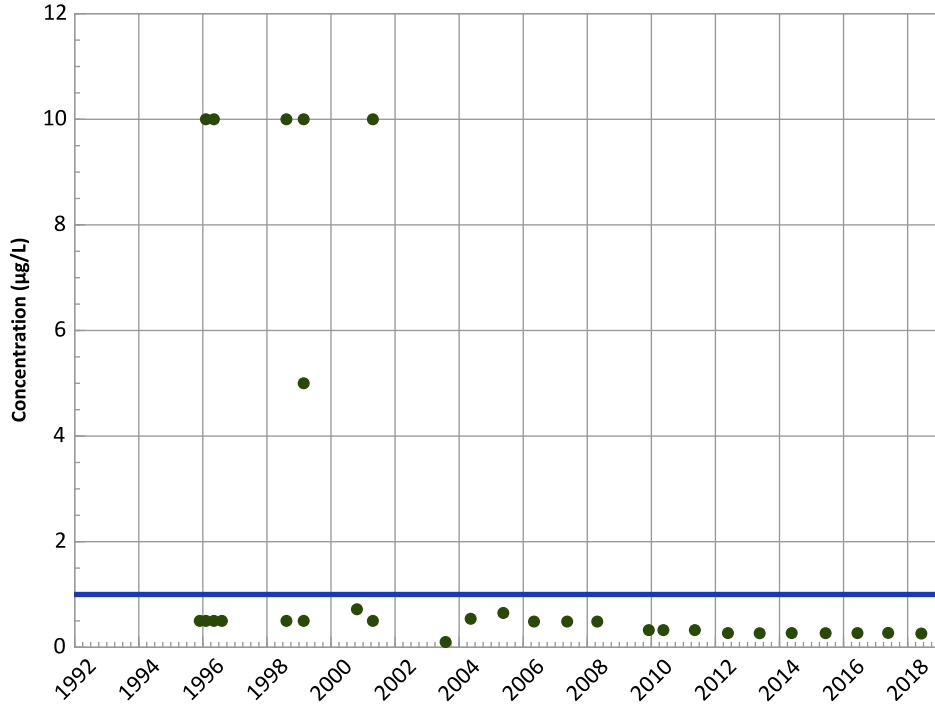
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

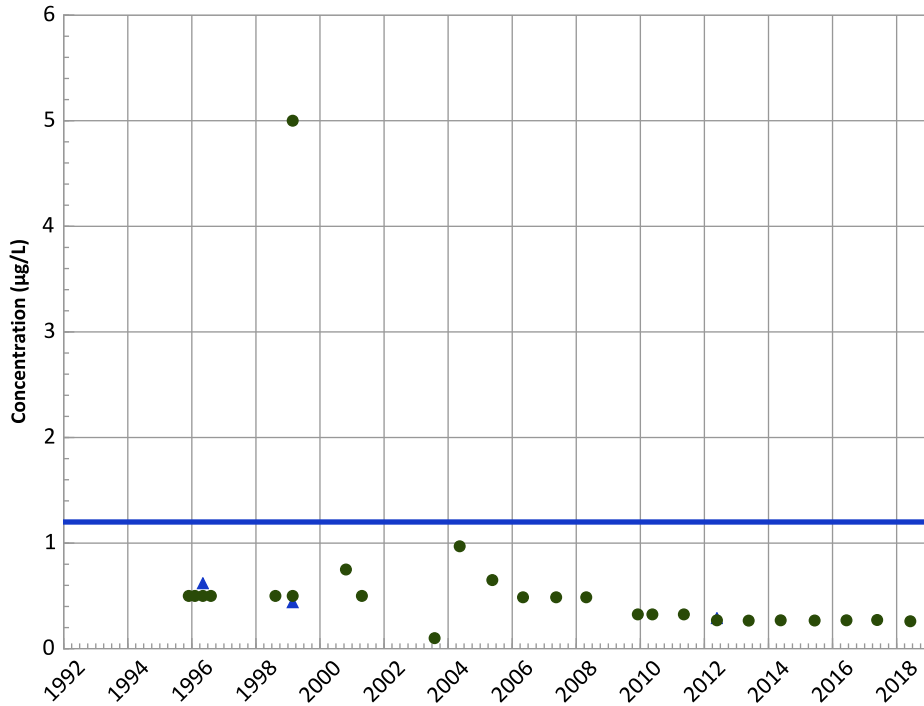
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

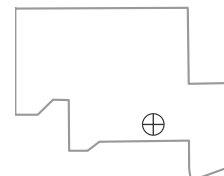
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

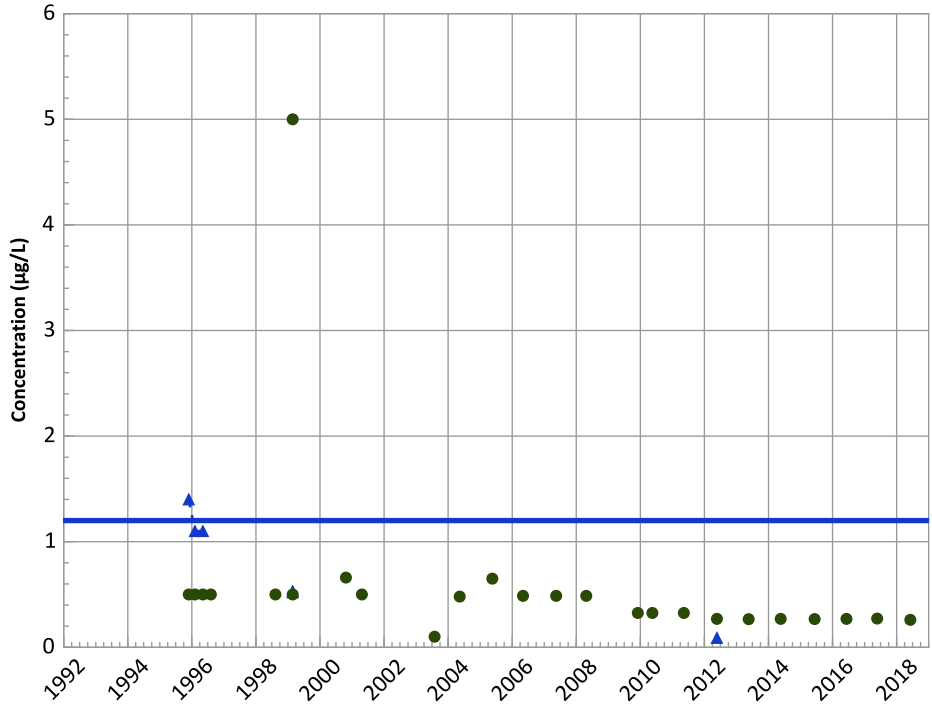
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

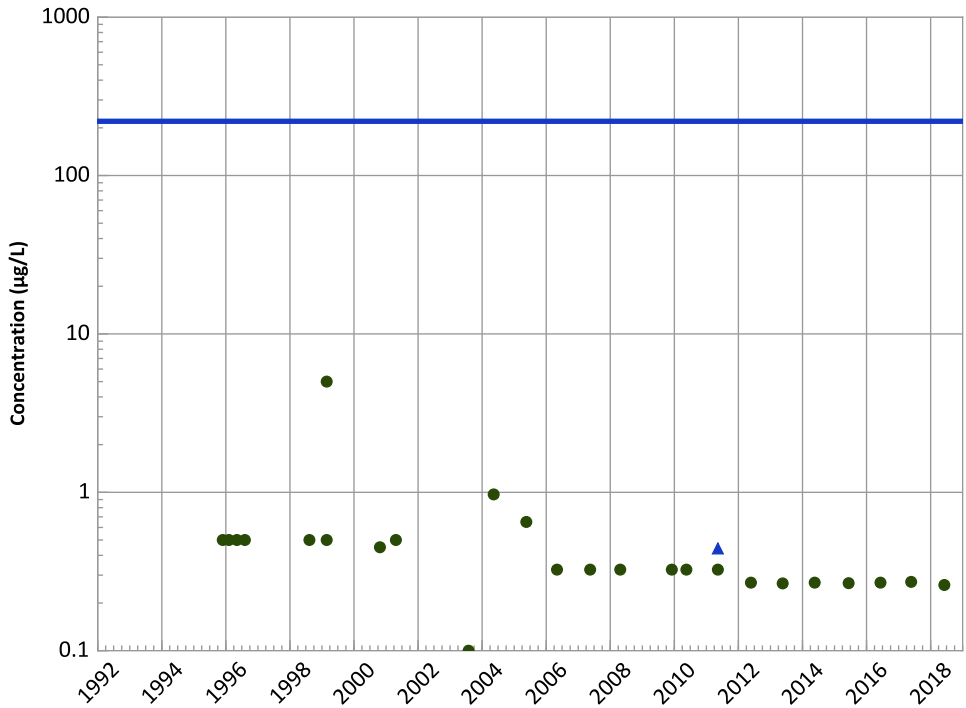


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

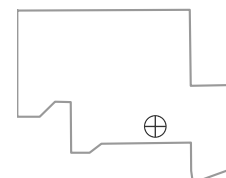
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

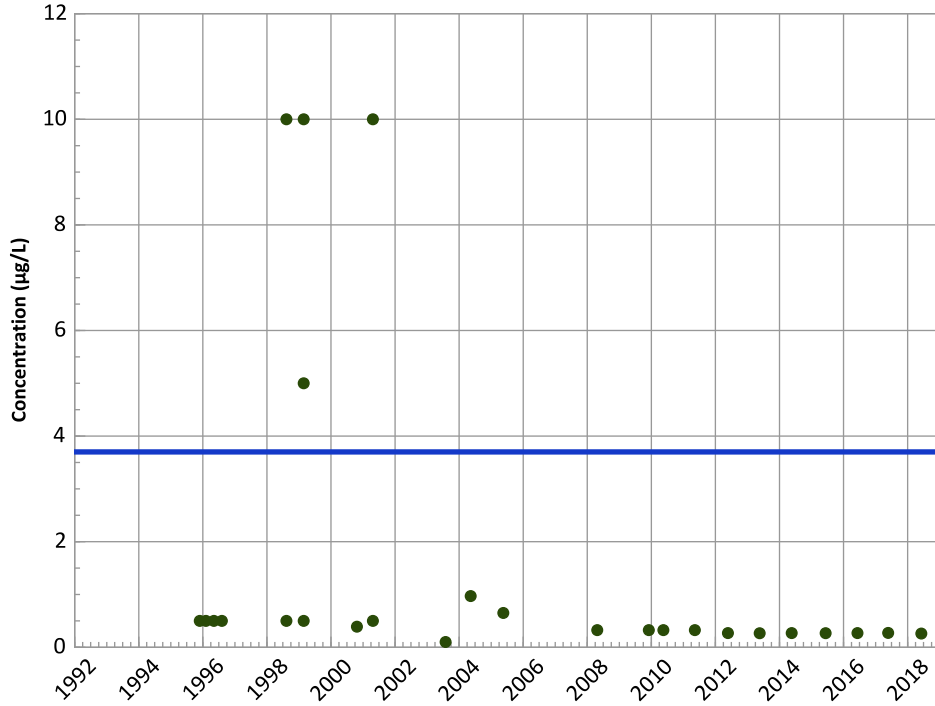
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

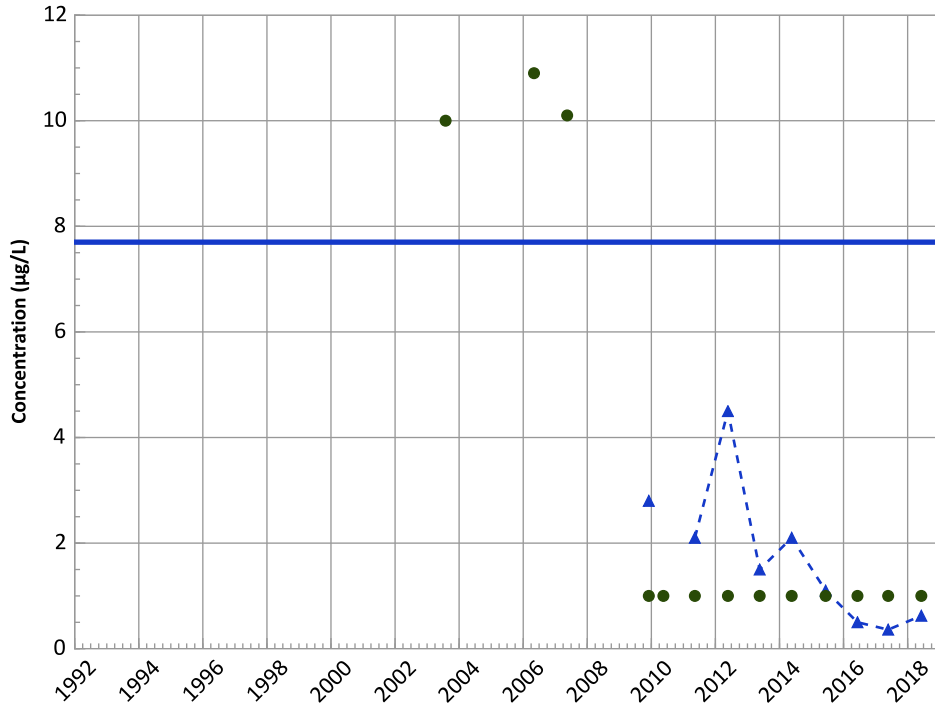
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

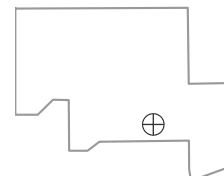
All Data:

Decreasing

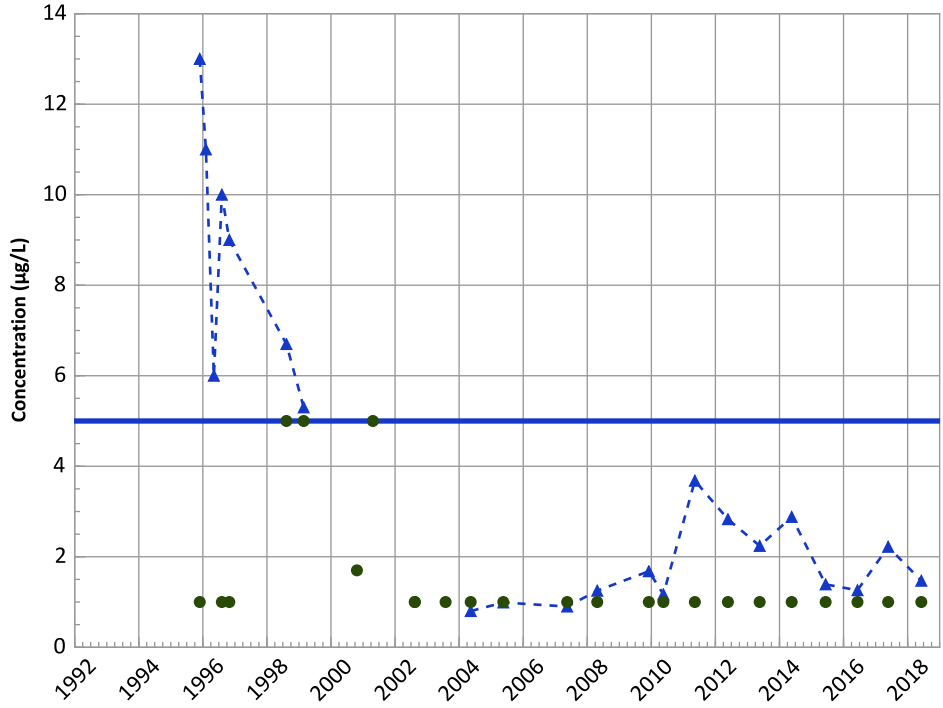
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

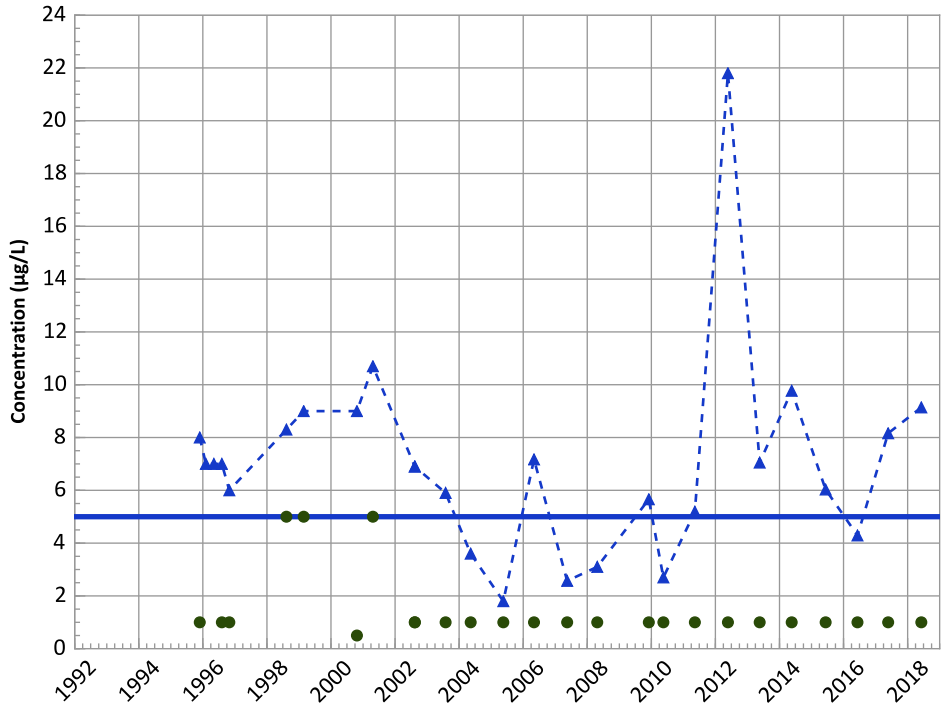
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

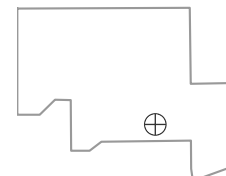
All Data:

Decreasing

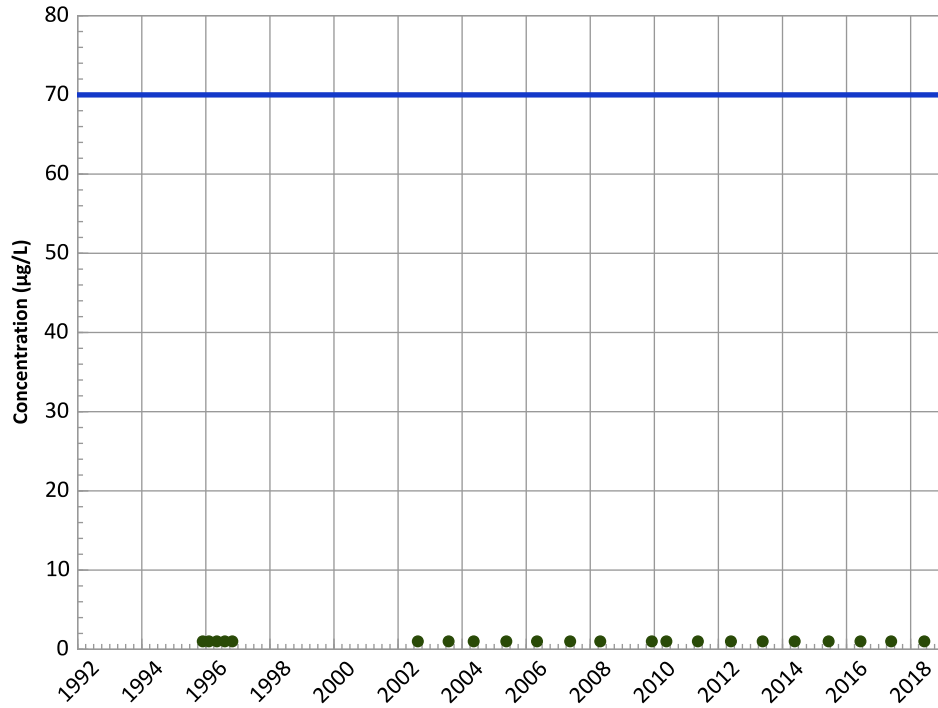
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

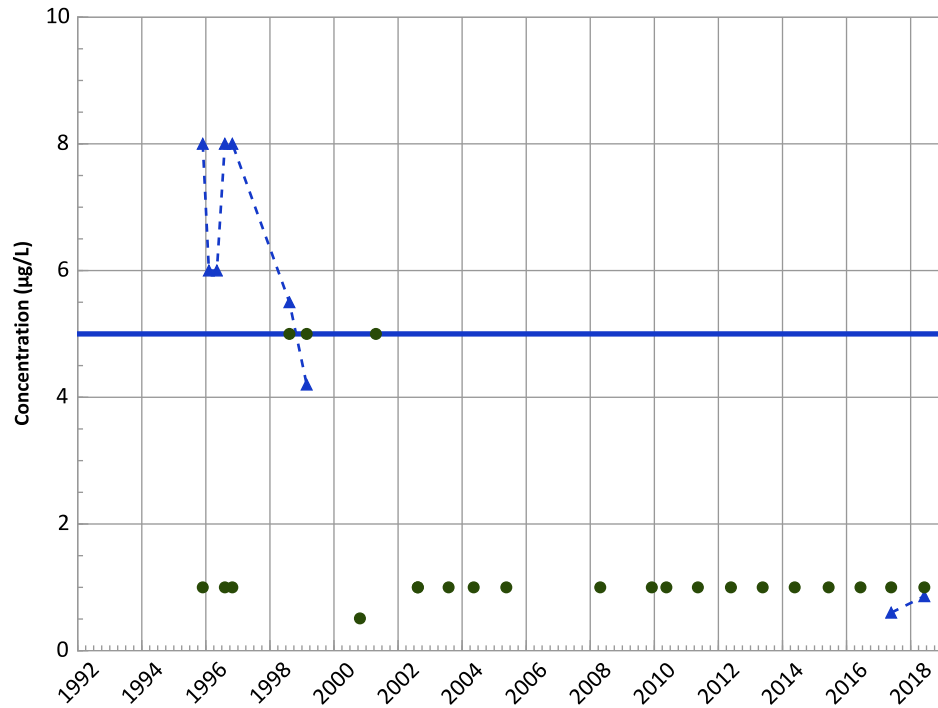
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

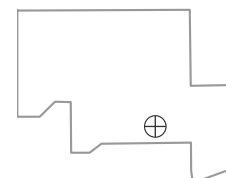
All Data:

Decreasing

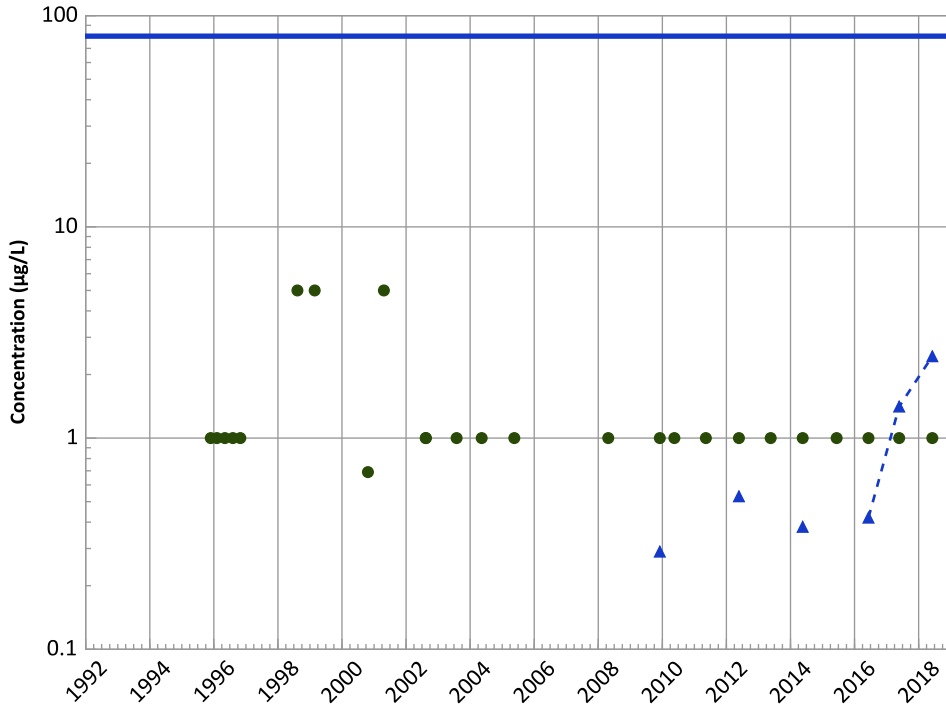
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

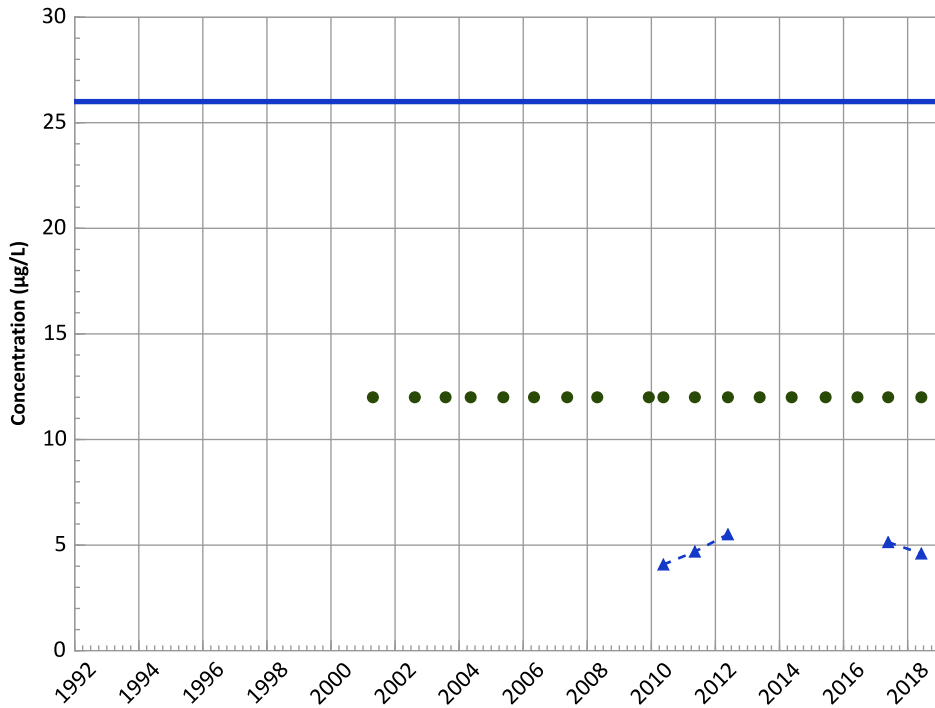


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Perchlorate Trend

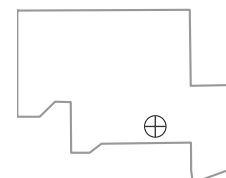


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Well Location

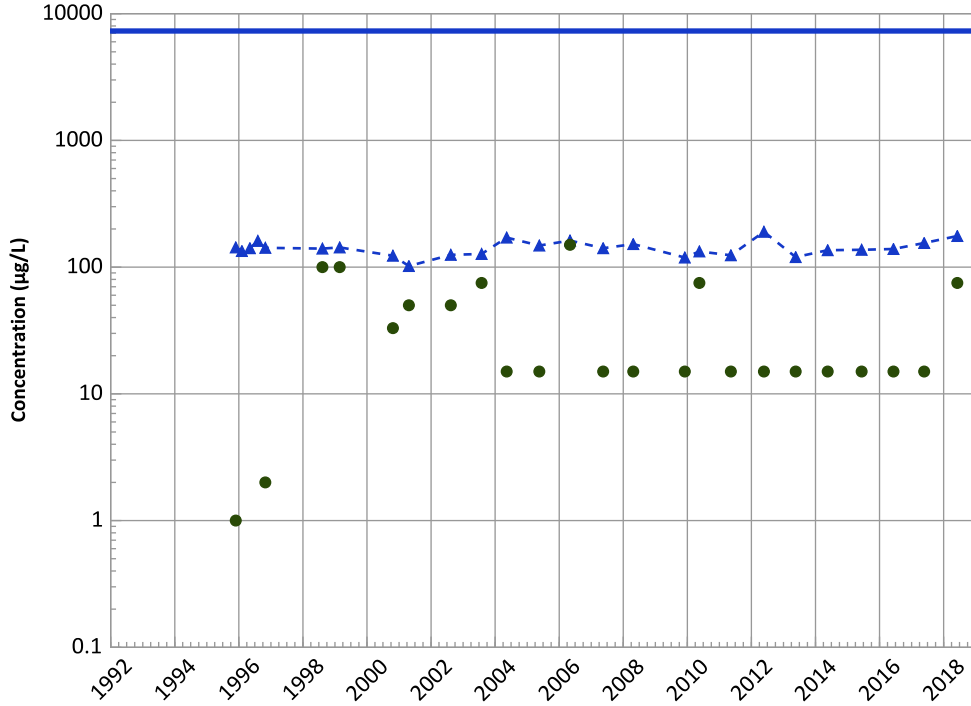


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

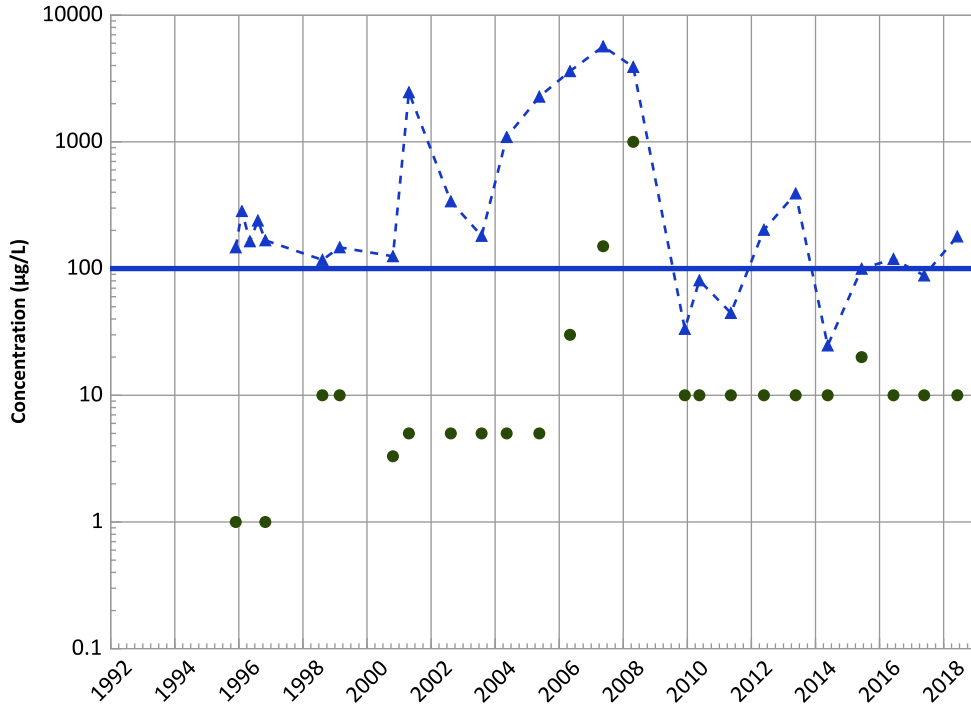
Data (2017 - 2021):

Stable

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

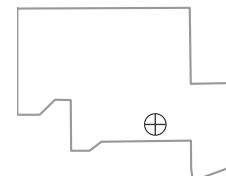
Data (2017 - 2021):

Stable

All Data:

No Trend

Well Location

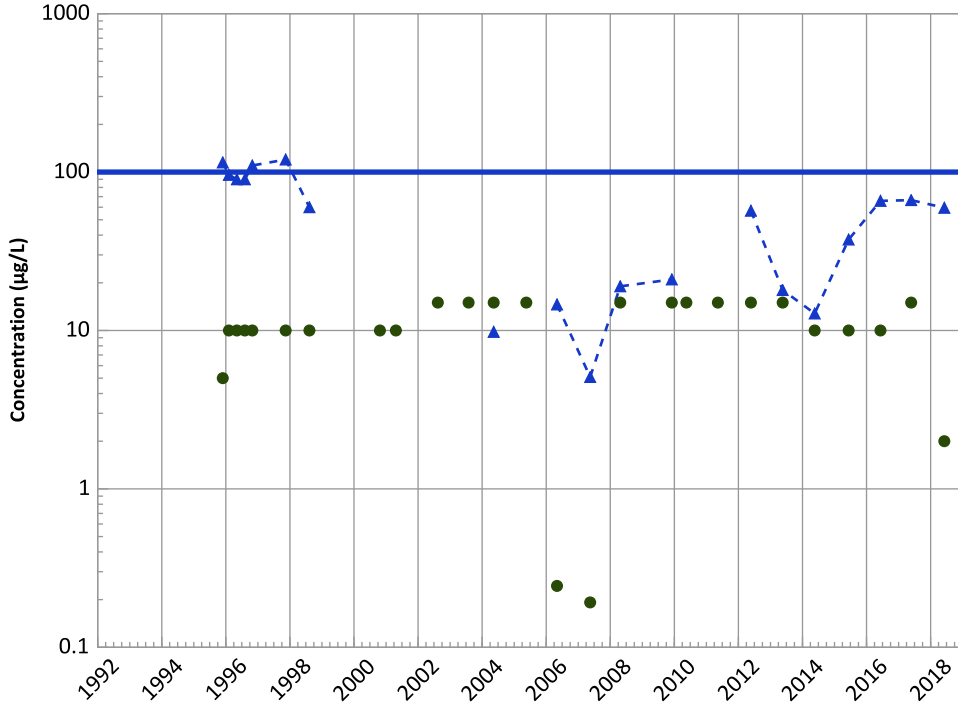


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

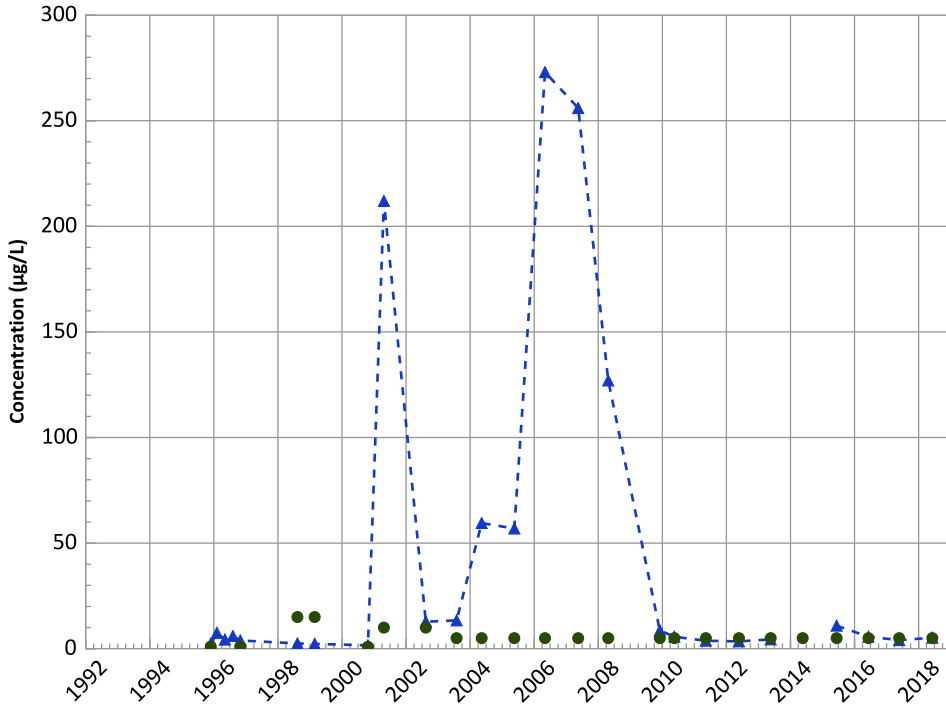
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

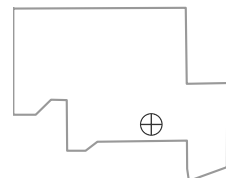
Data (2017 - 2021):

No Trend

All Data:

No Trend

Well Location

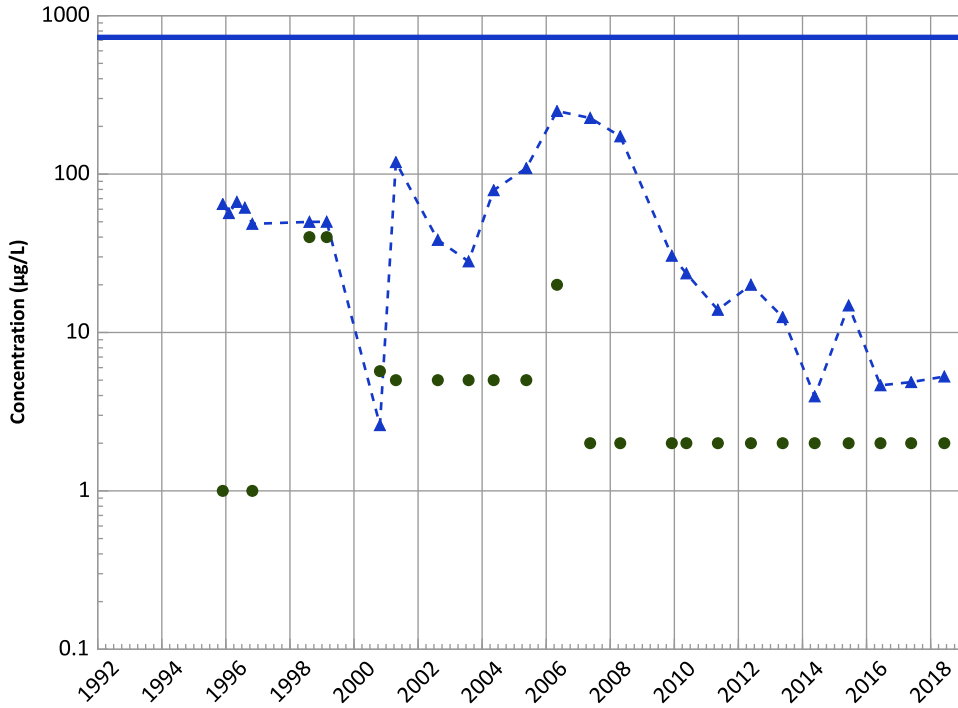


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1011 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

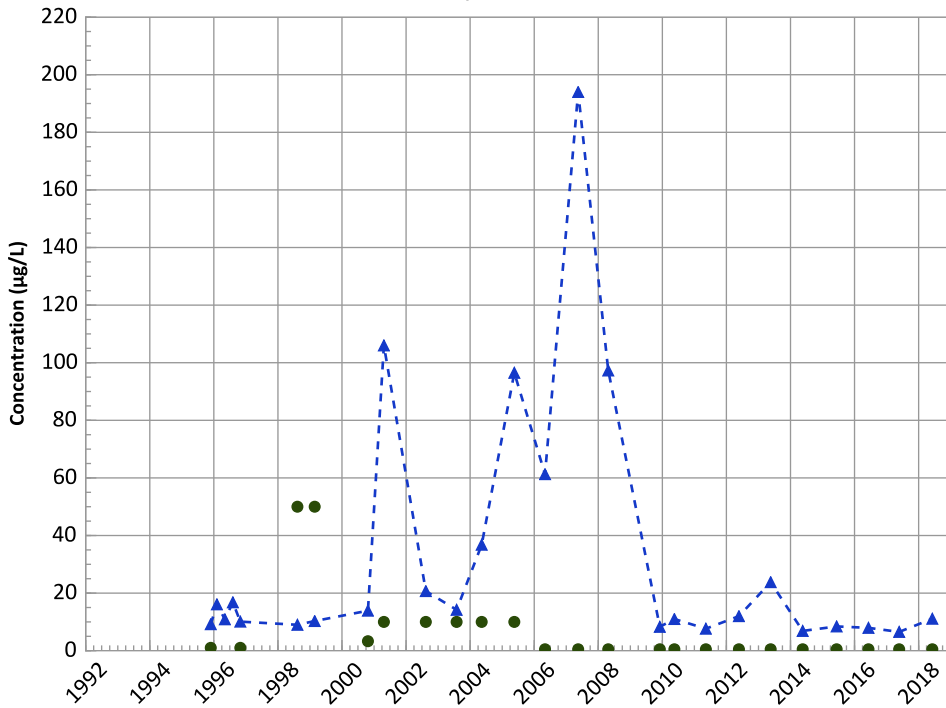
Data (2017 - 2021):

Stable

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

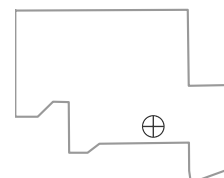
All Data:

No Trend

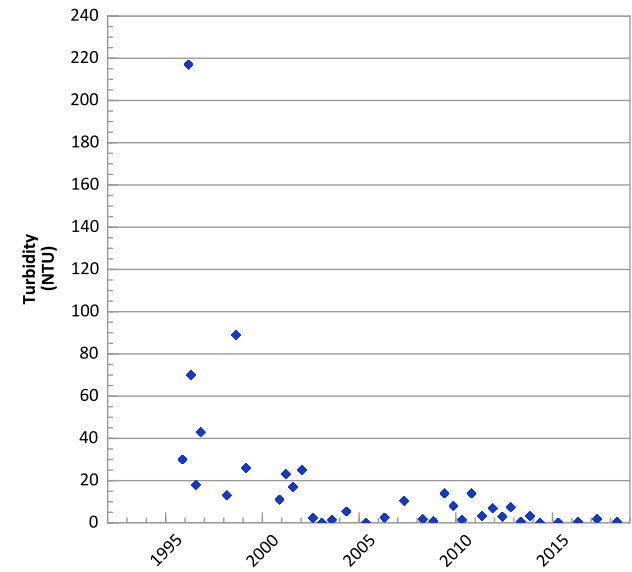
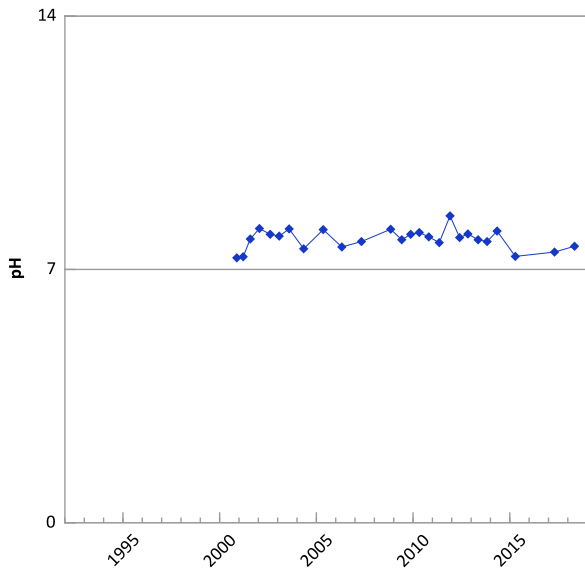
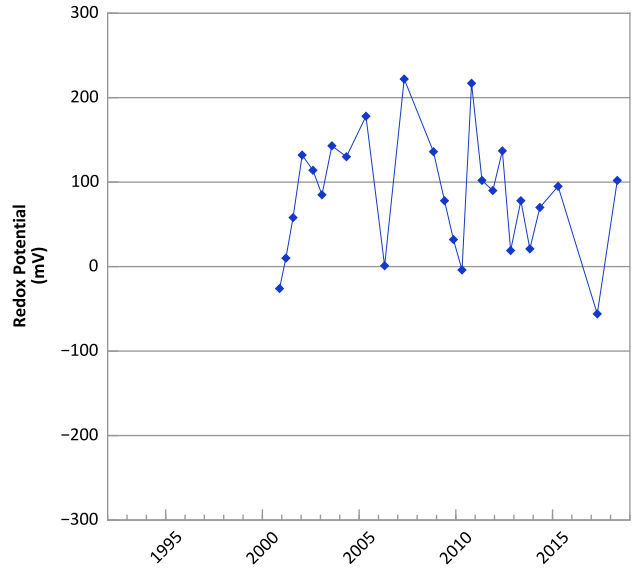
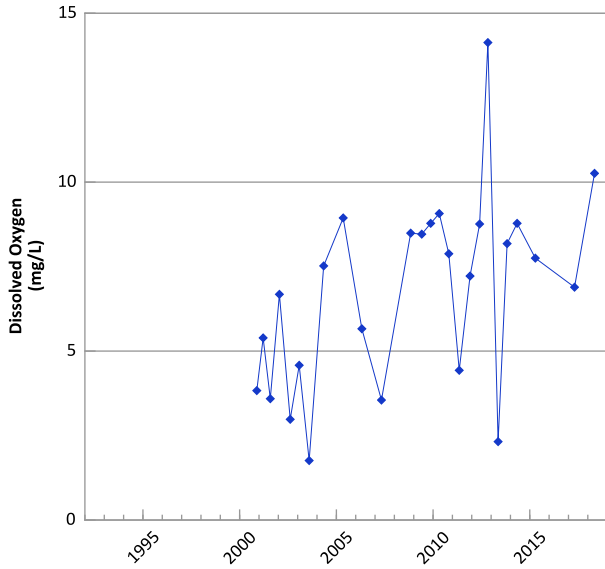
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/27/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

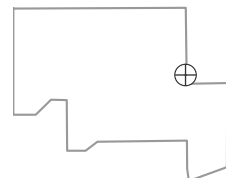


**PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



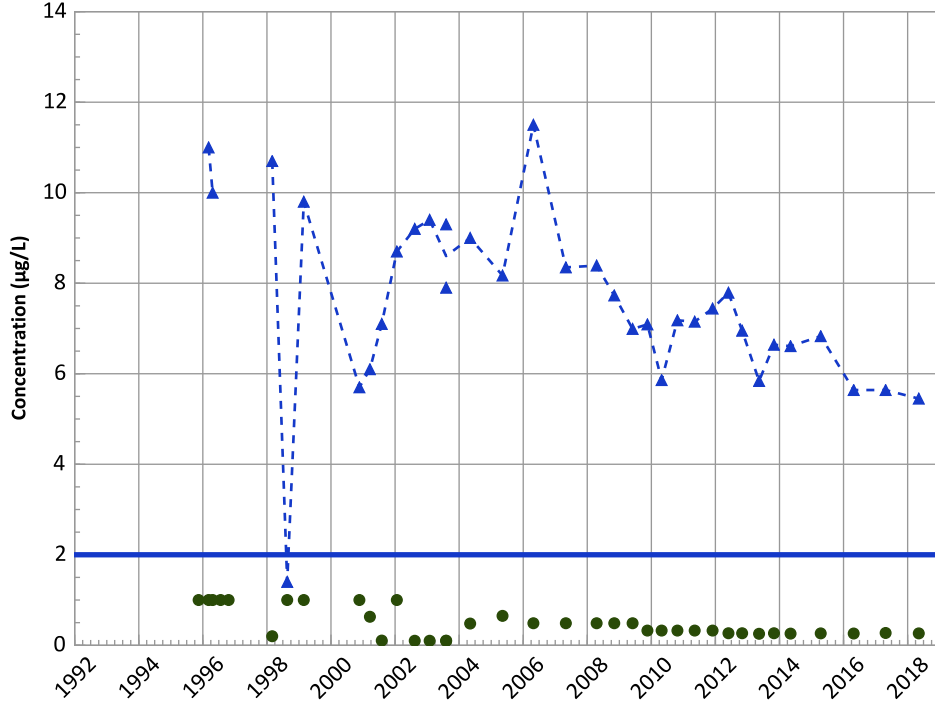
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/14/1995 to 05/08/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

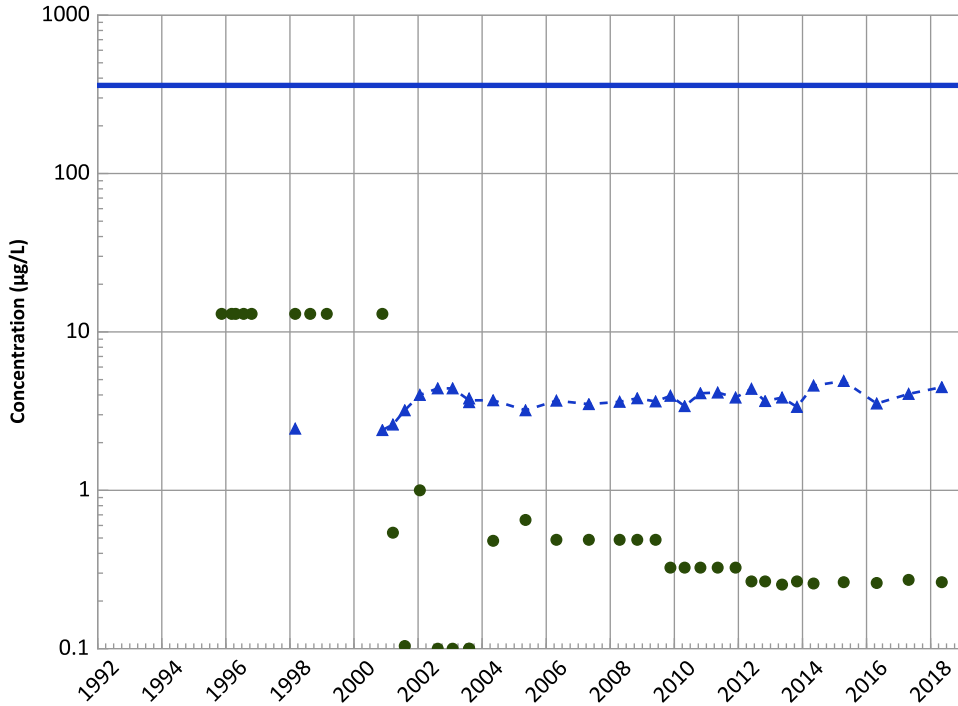
Data (2017 - 2021):

Probably Decreasing

All Data:

Stable

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

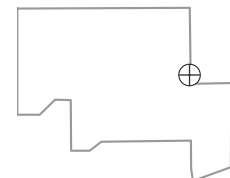
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

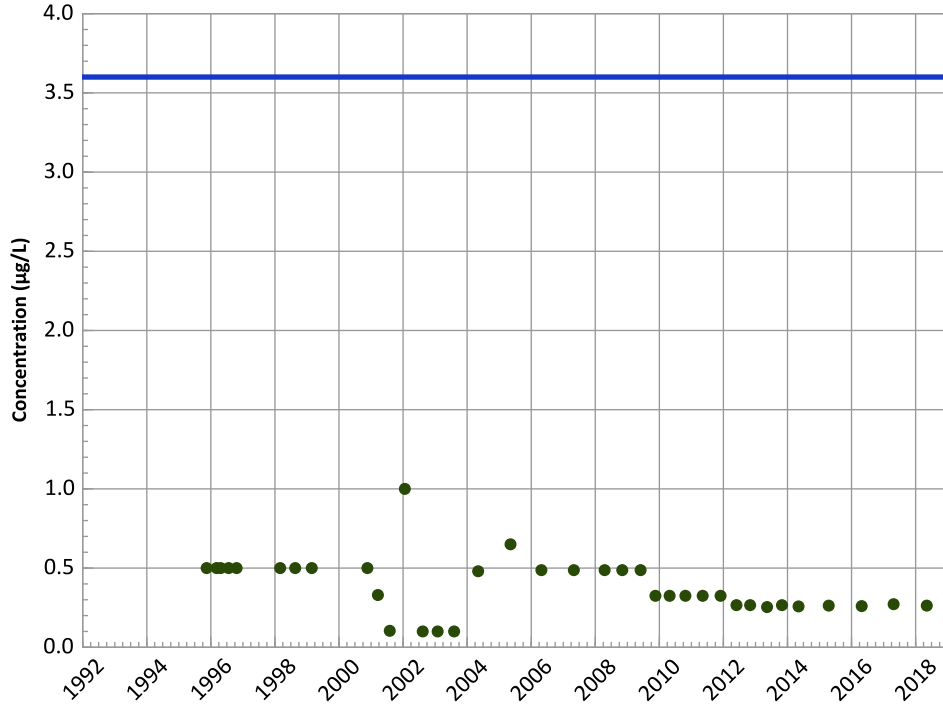
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

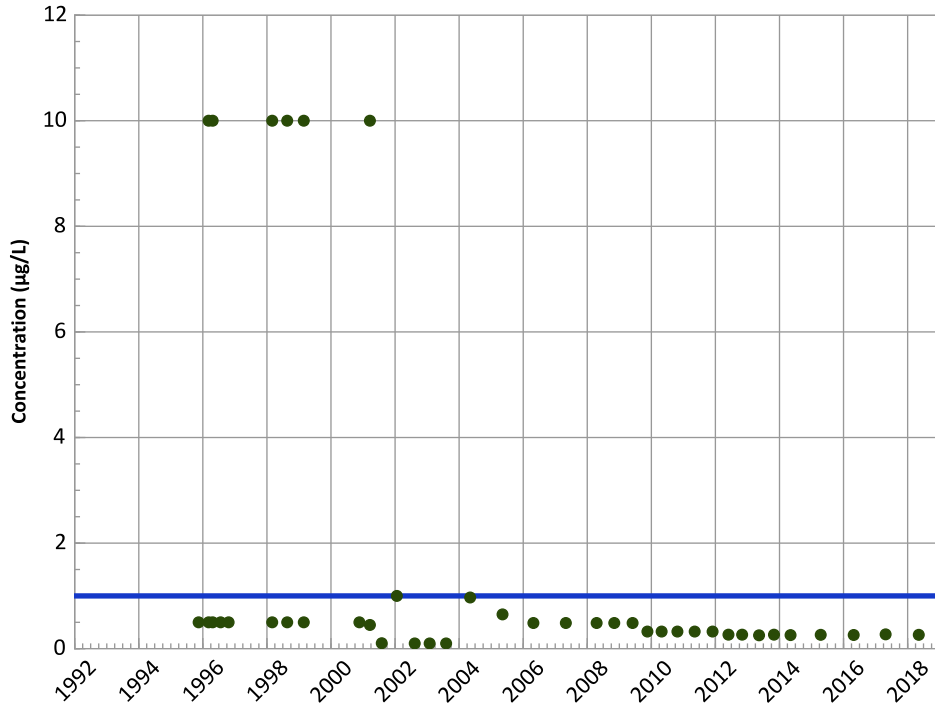
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

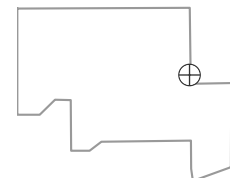
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

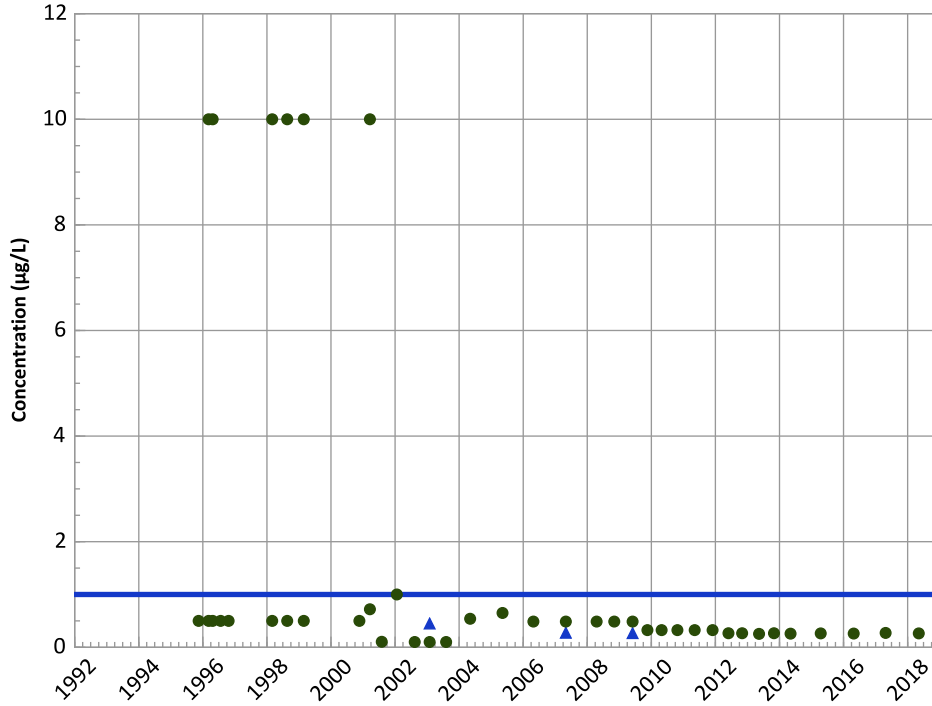
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

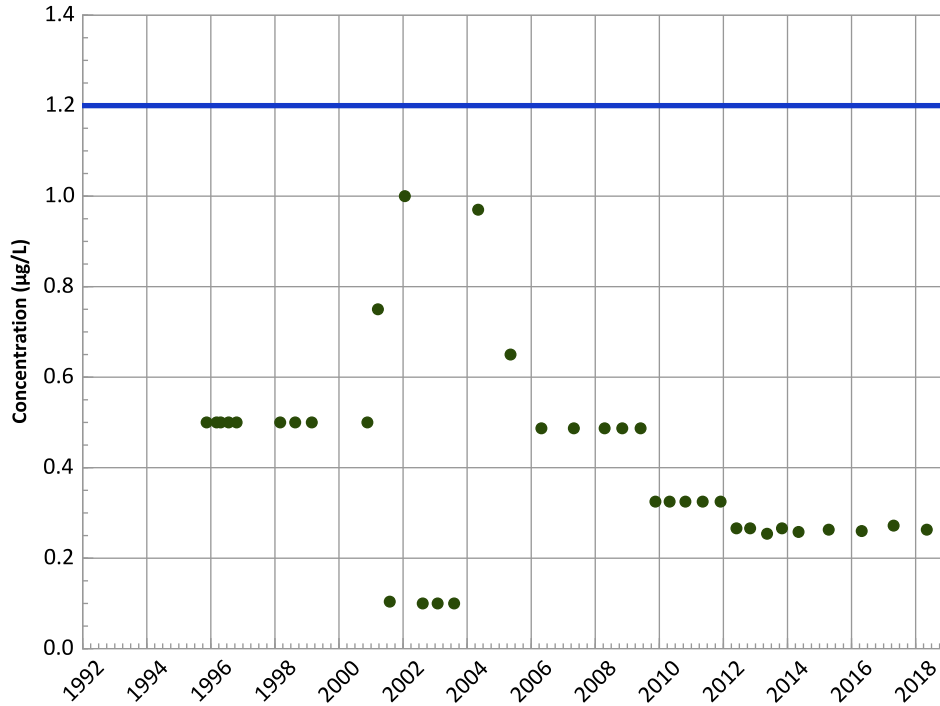
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

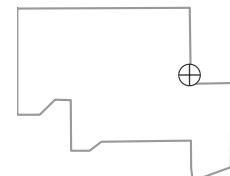
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

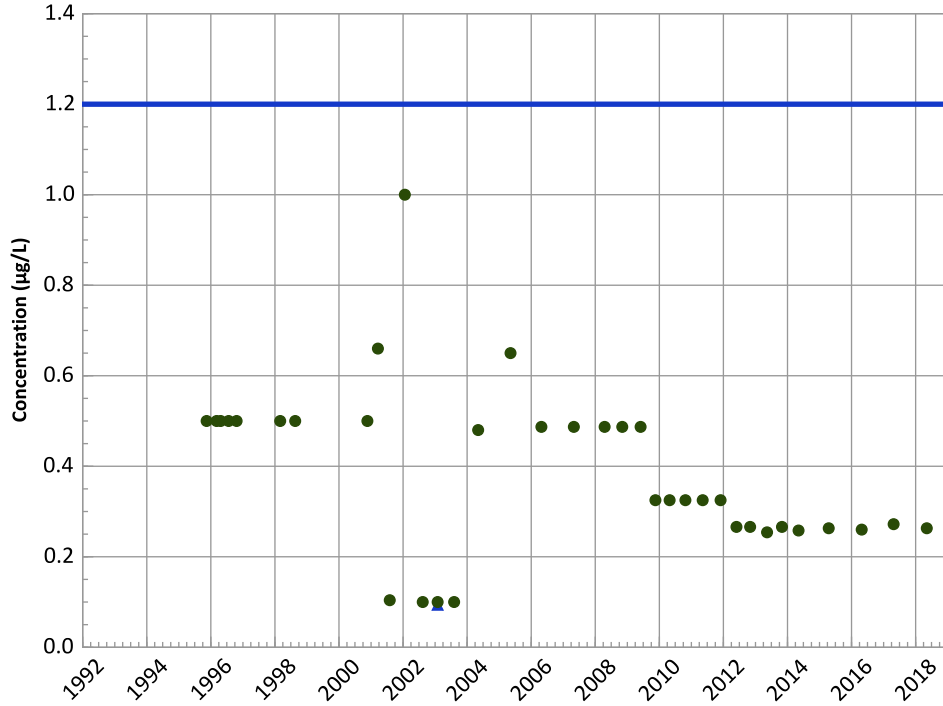
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

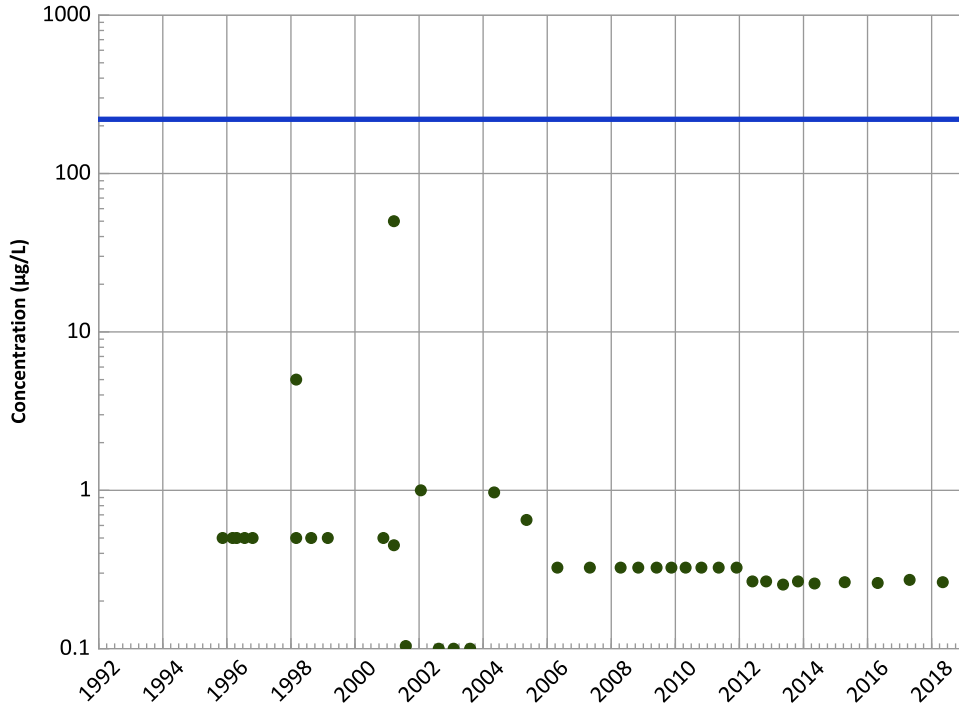
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

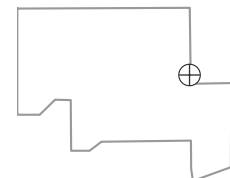
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

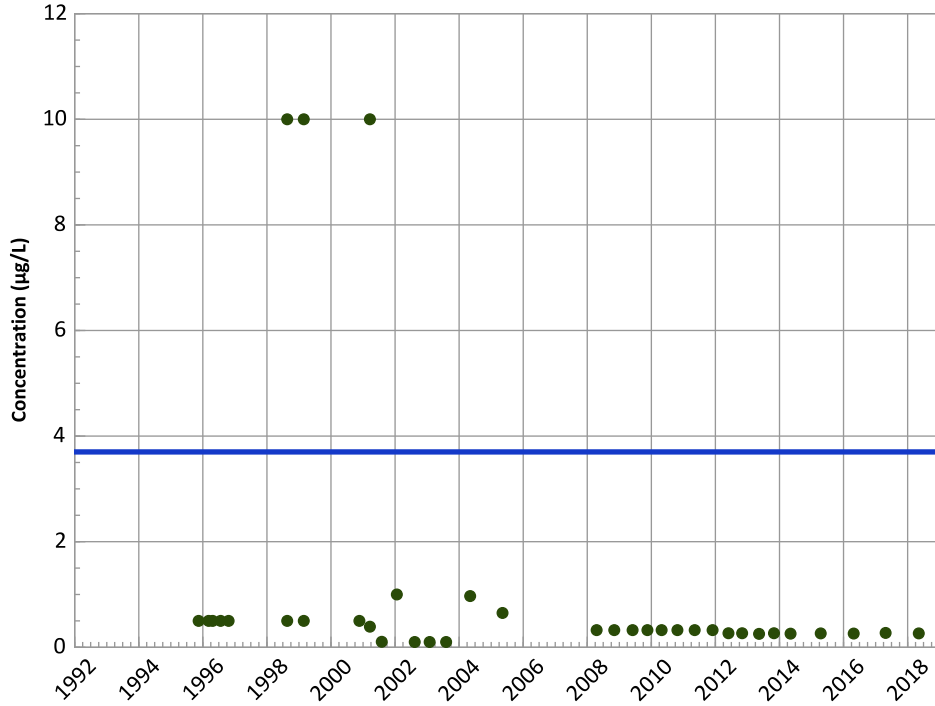
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

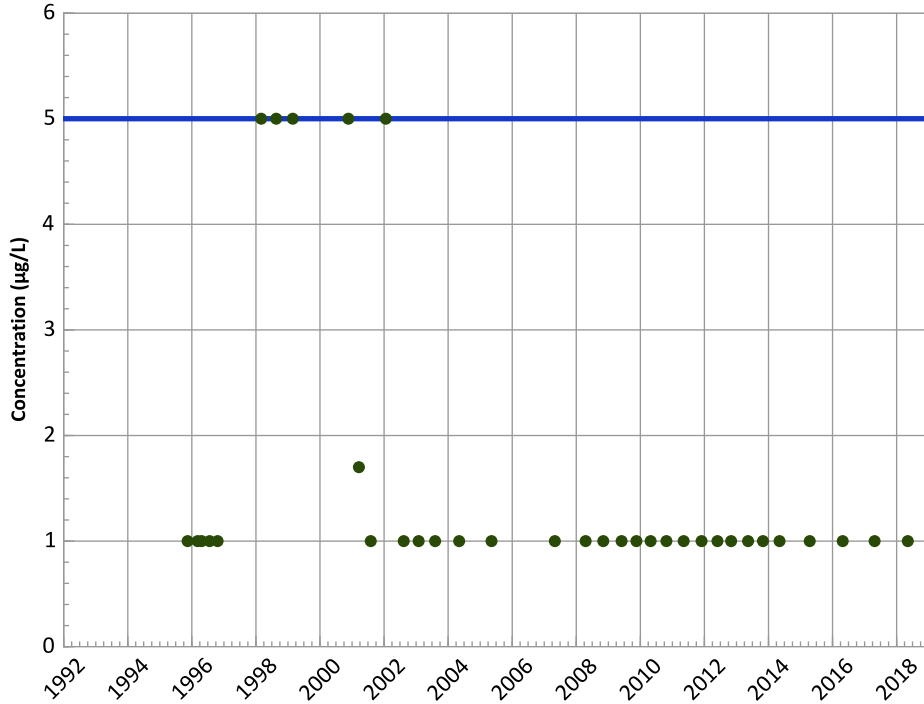
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

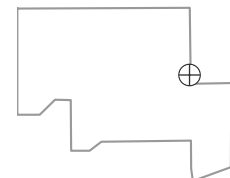
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

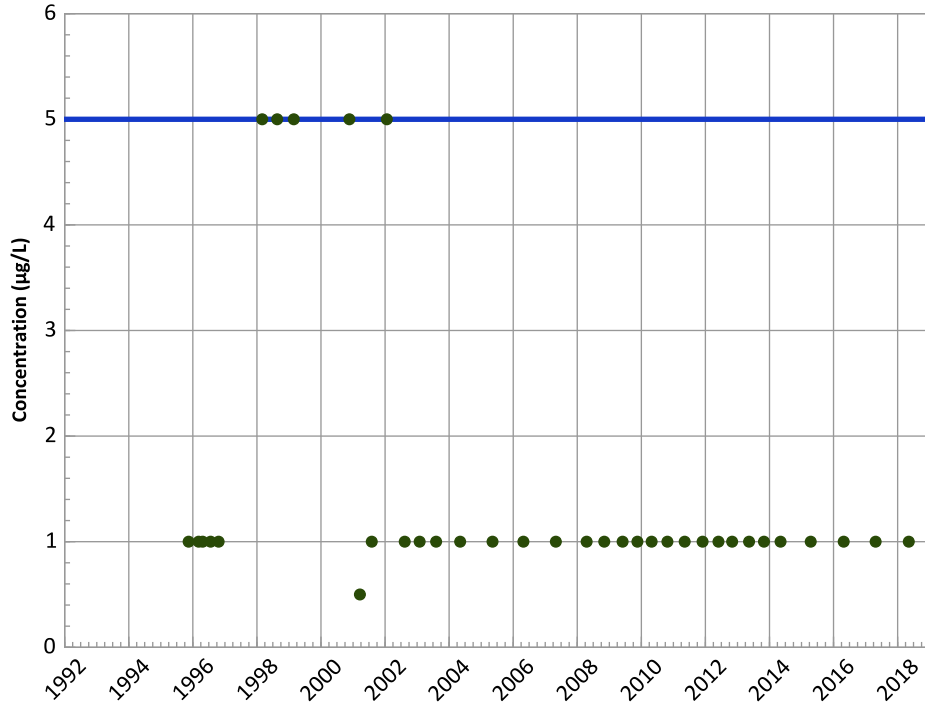
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

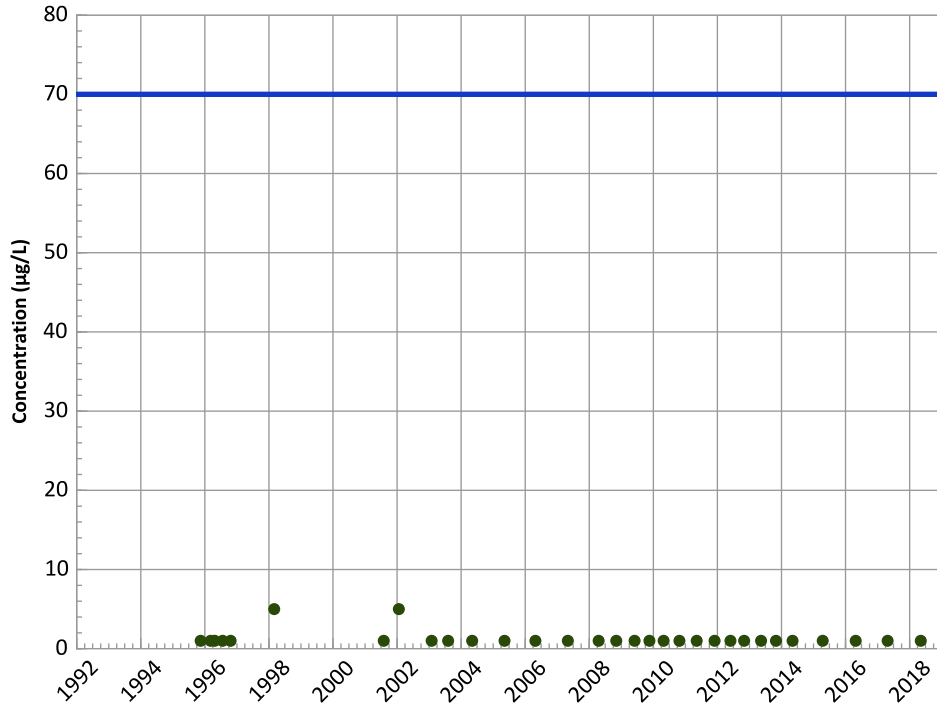
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

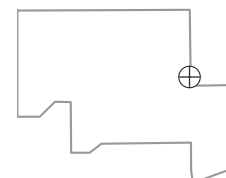
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

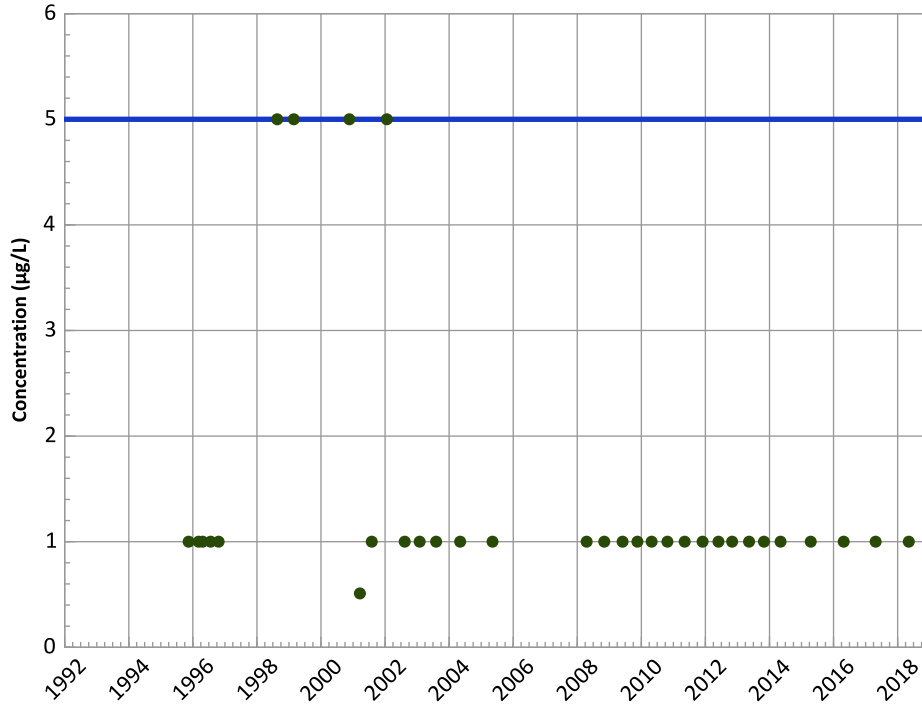
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

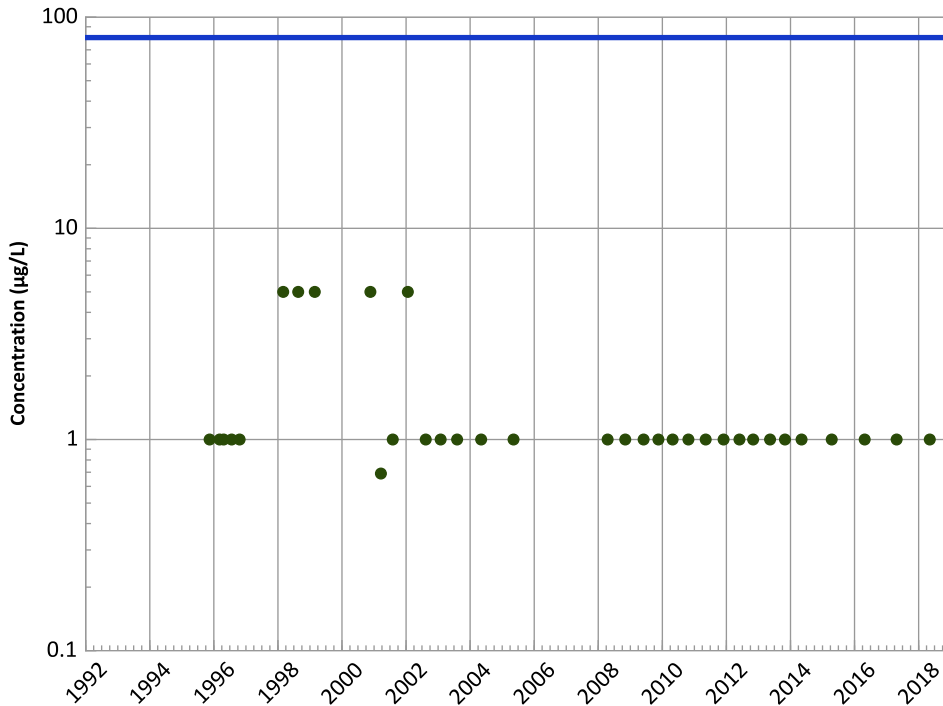
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

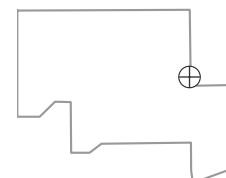
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

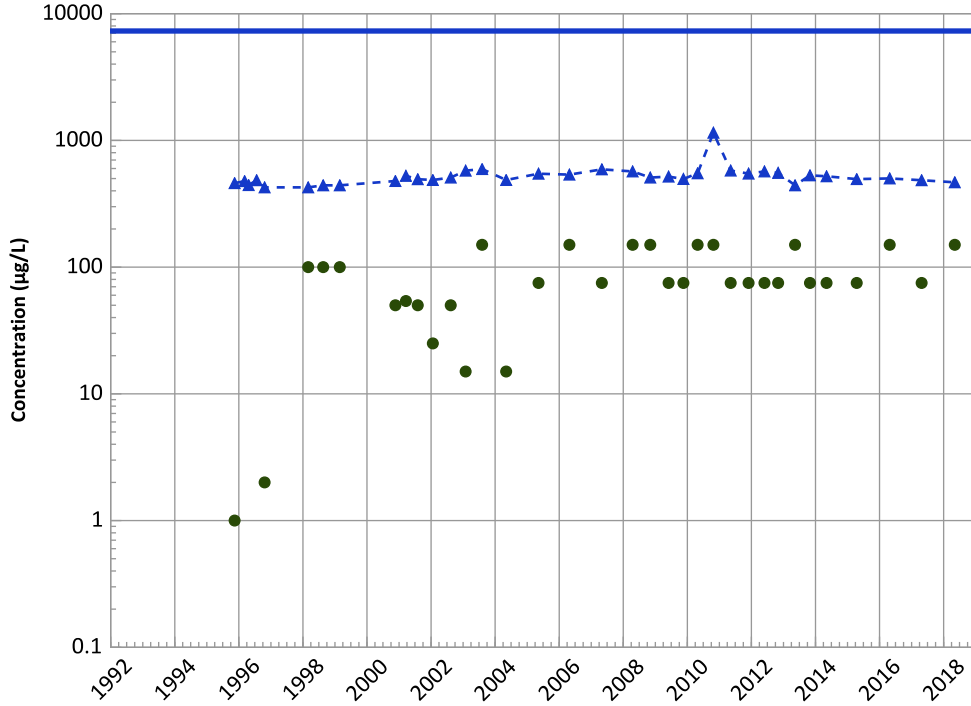
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

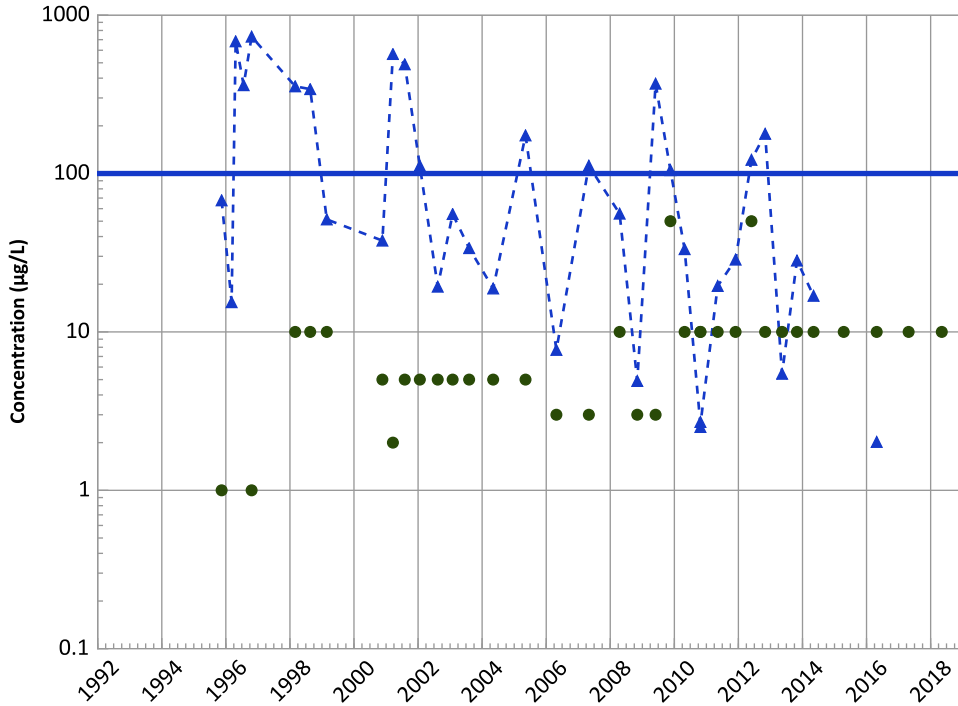
Data (2017 - 2021):

Stable

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

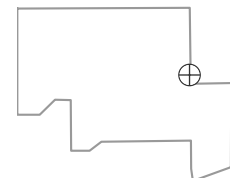
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

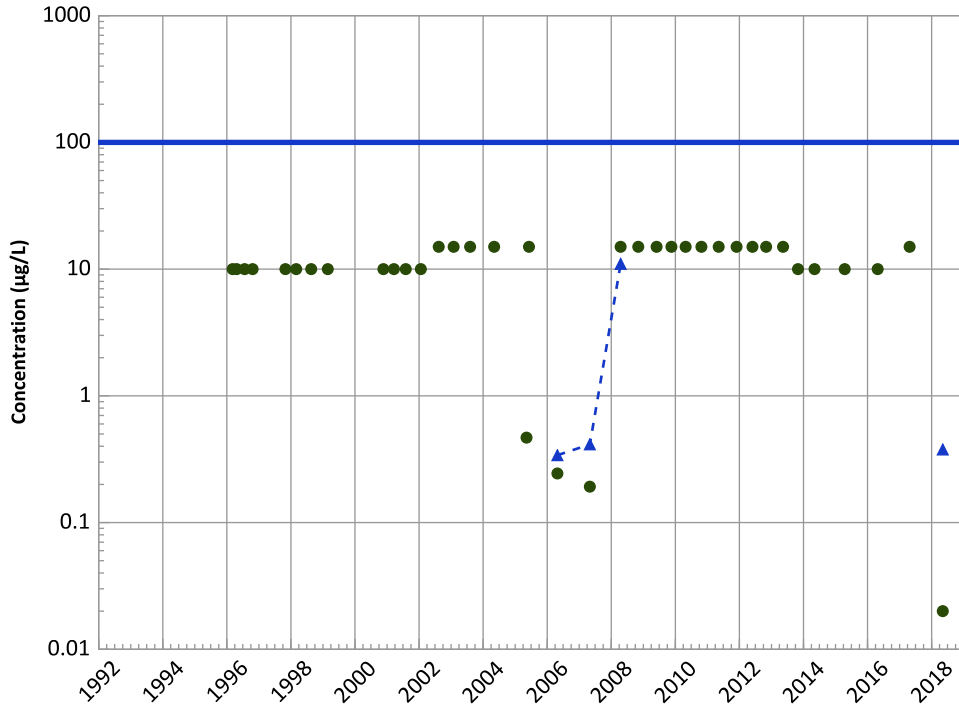
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Increasing

MAROS Linear Regression Method

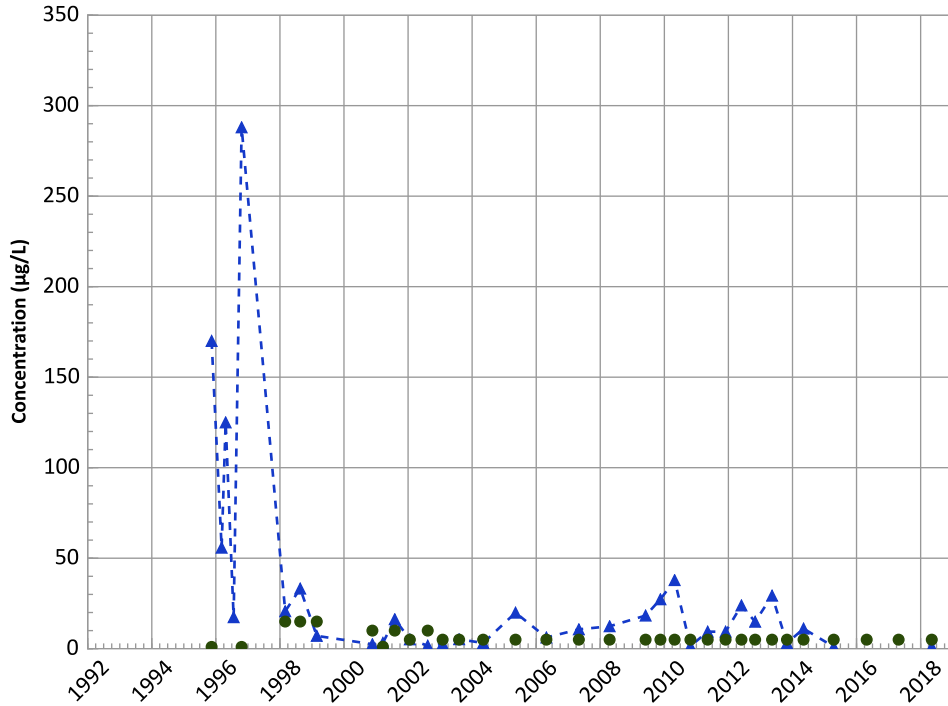
Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

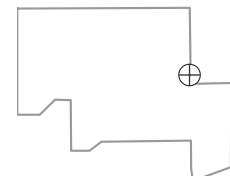
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

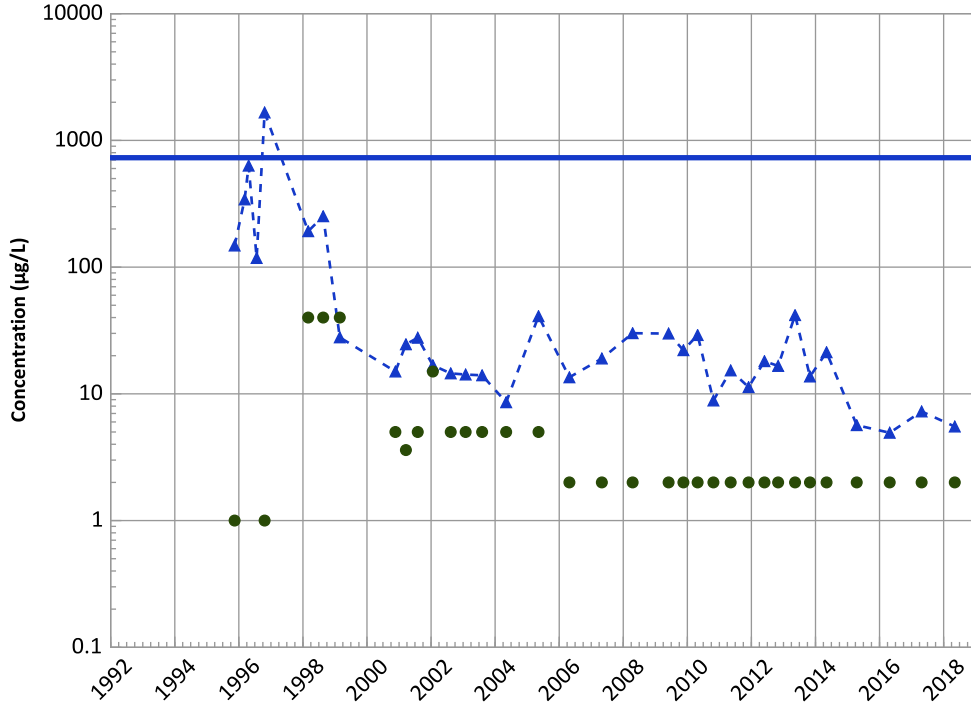


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1013 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

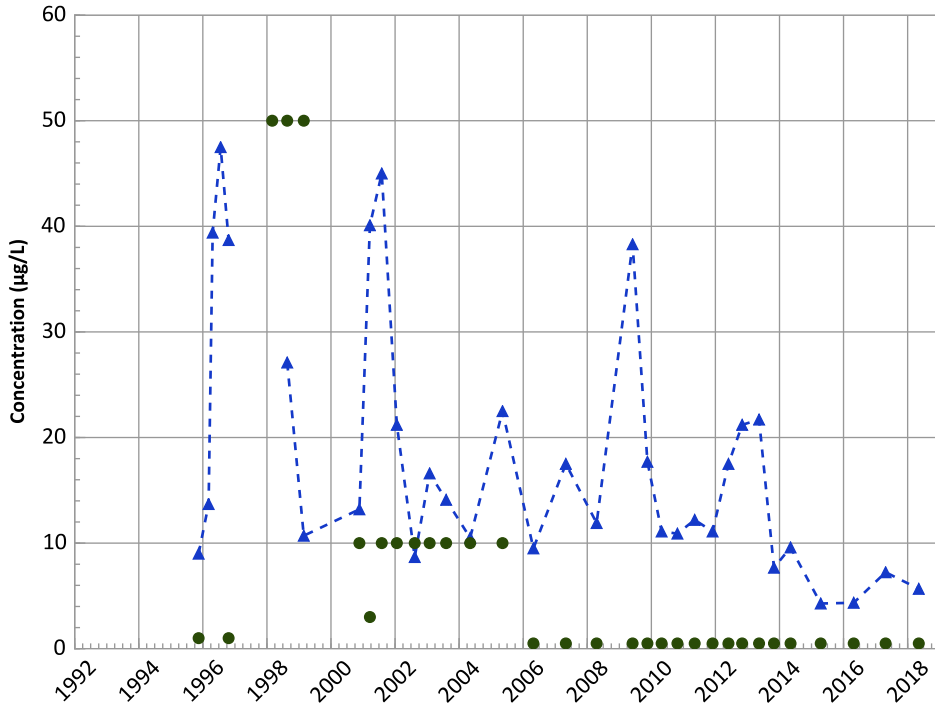
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

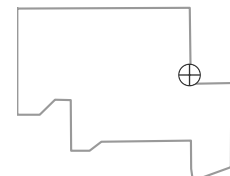
All Data:

Decreasing

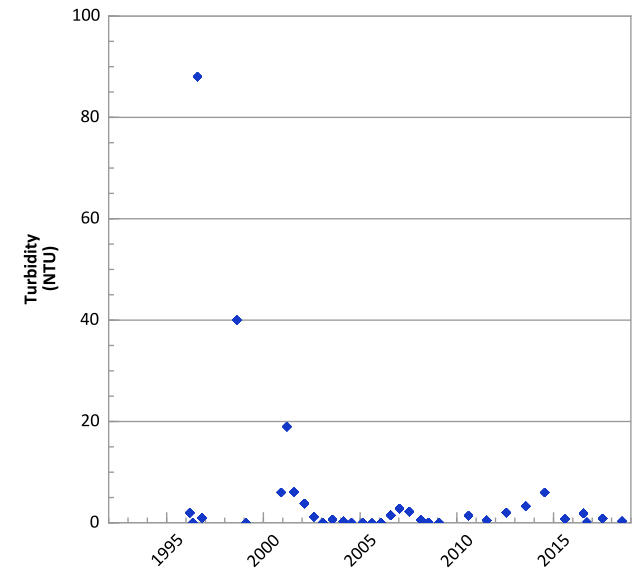
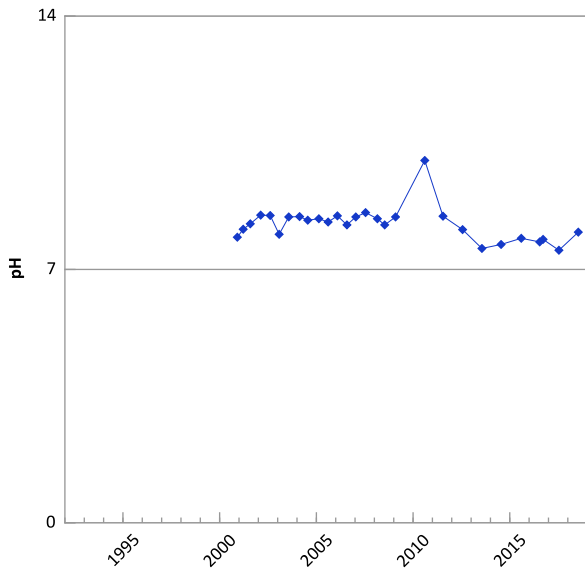
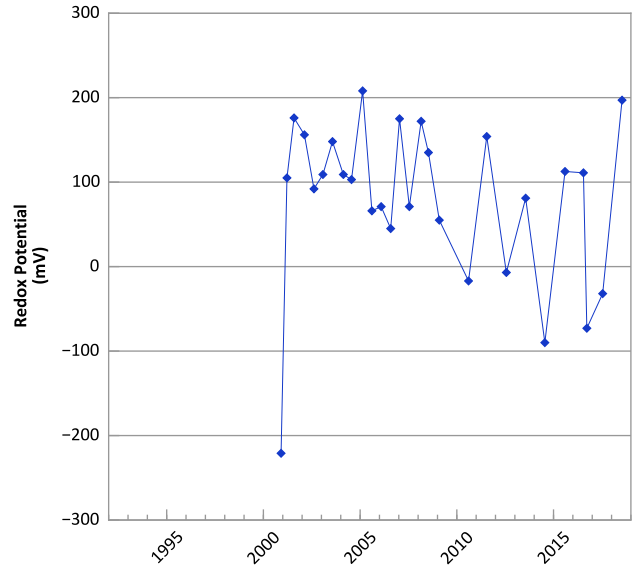
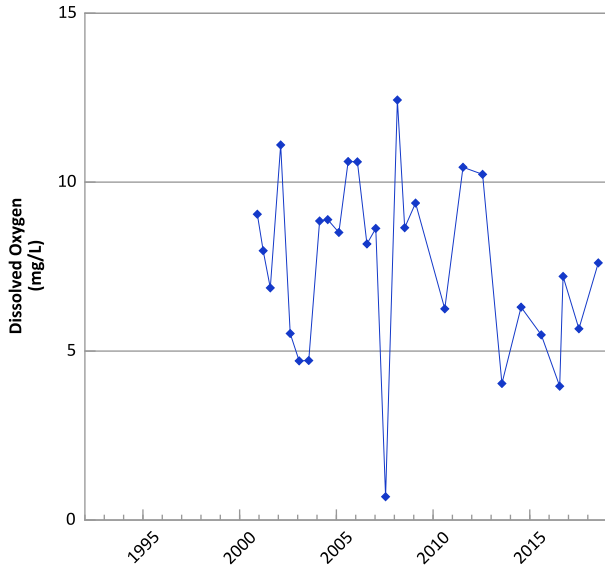
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 05/08/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

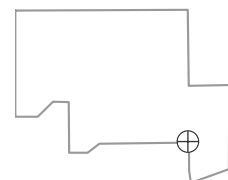


**PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



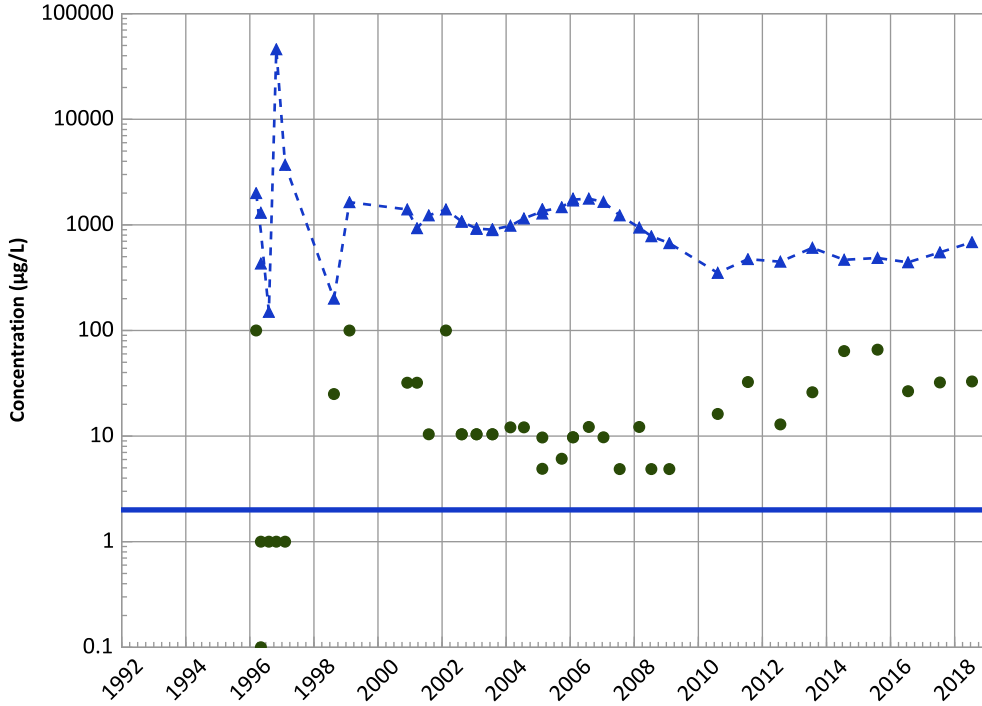
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 03/13/1996 to 07/18/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

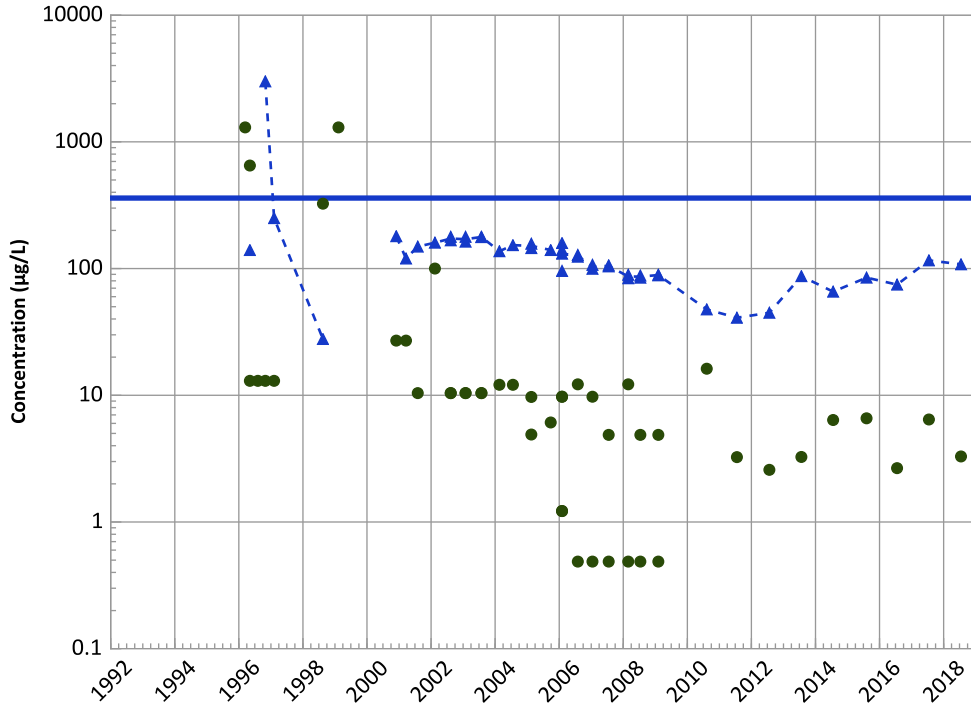
Data (2017 - 2021):

Stable

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

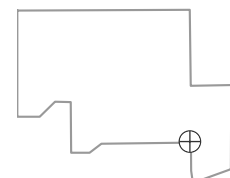
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

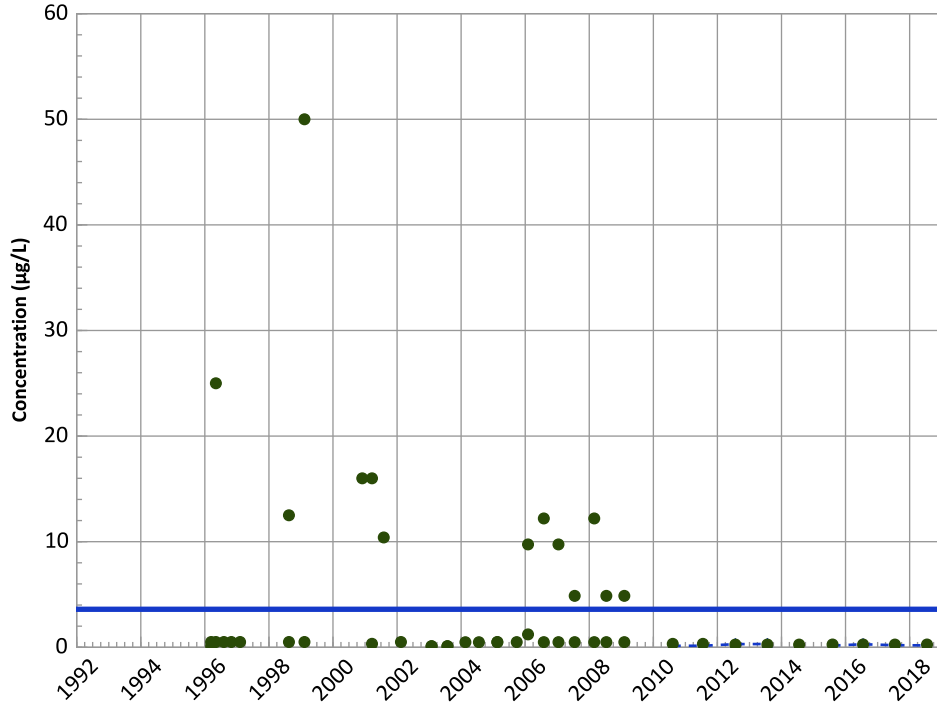
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

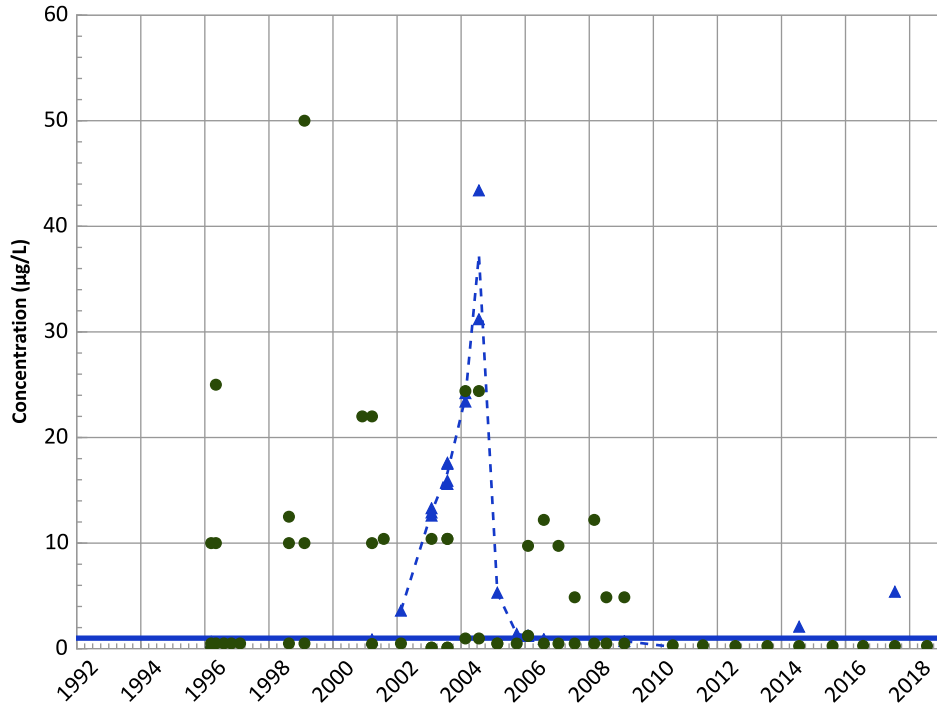
Data (2017 - 2021):

Stable

All Data:

No Trend

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

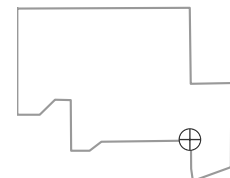
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

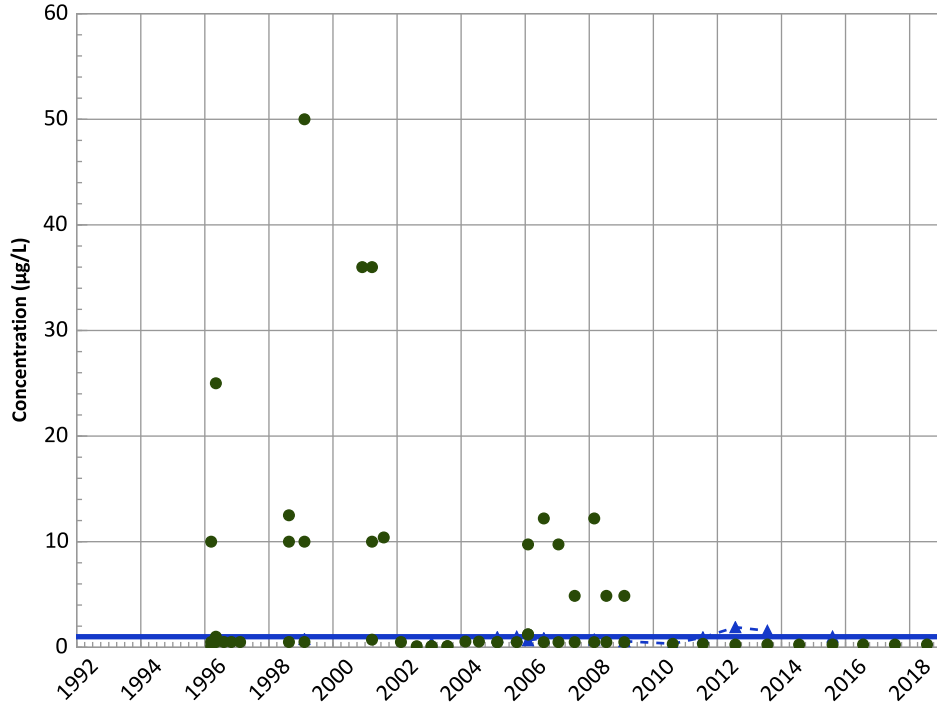
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

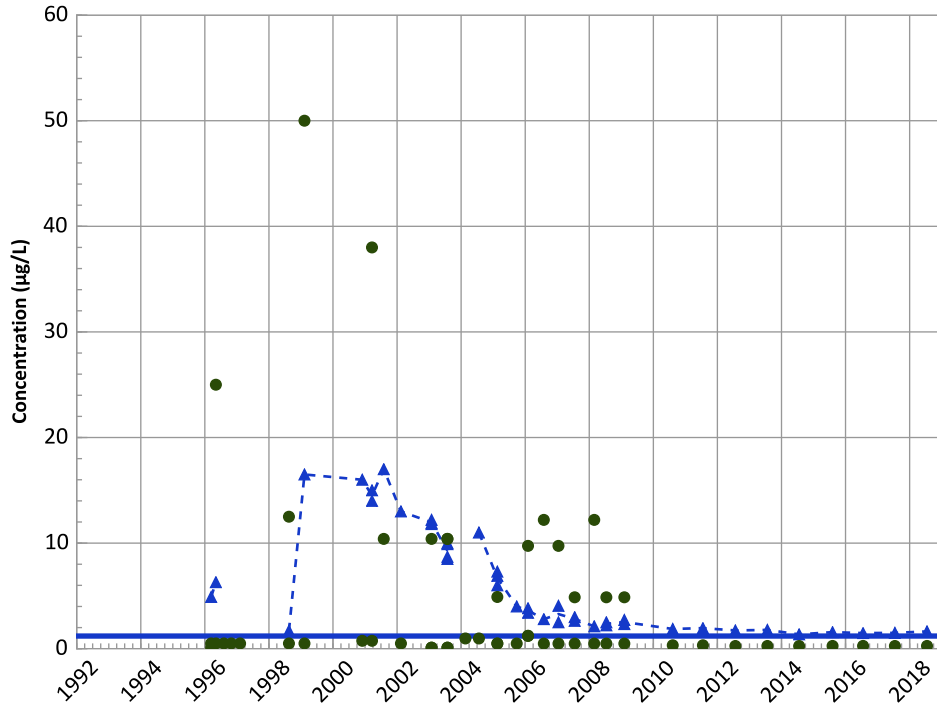


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Increasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

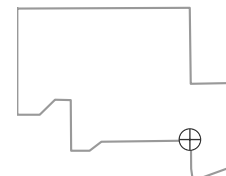
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

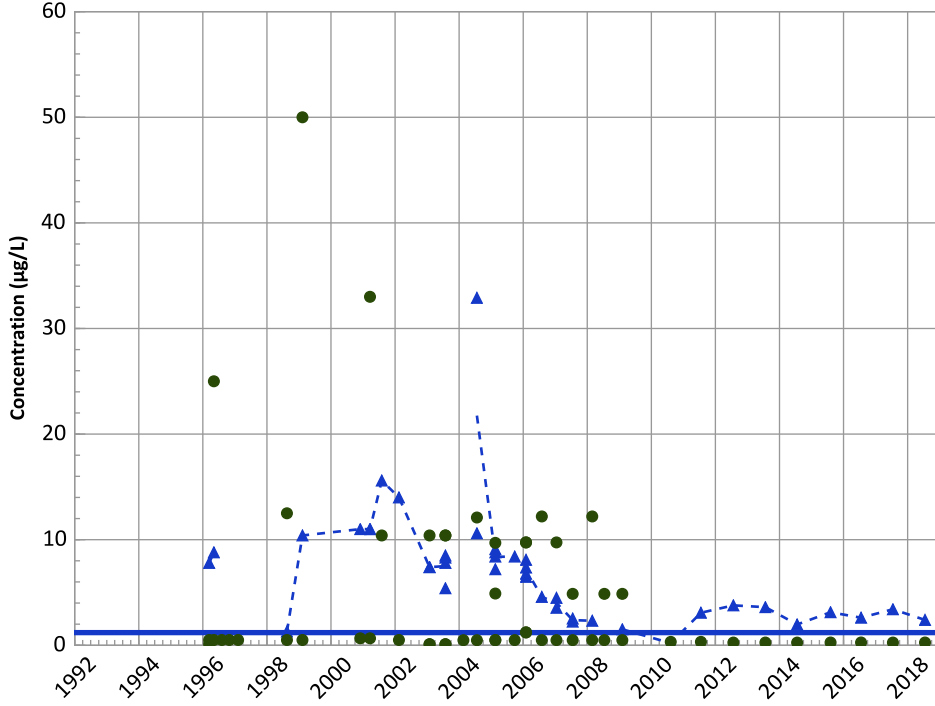
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

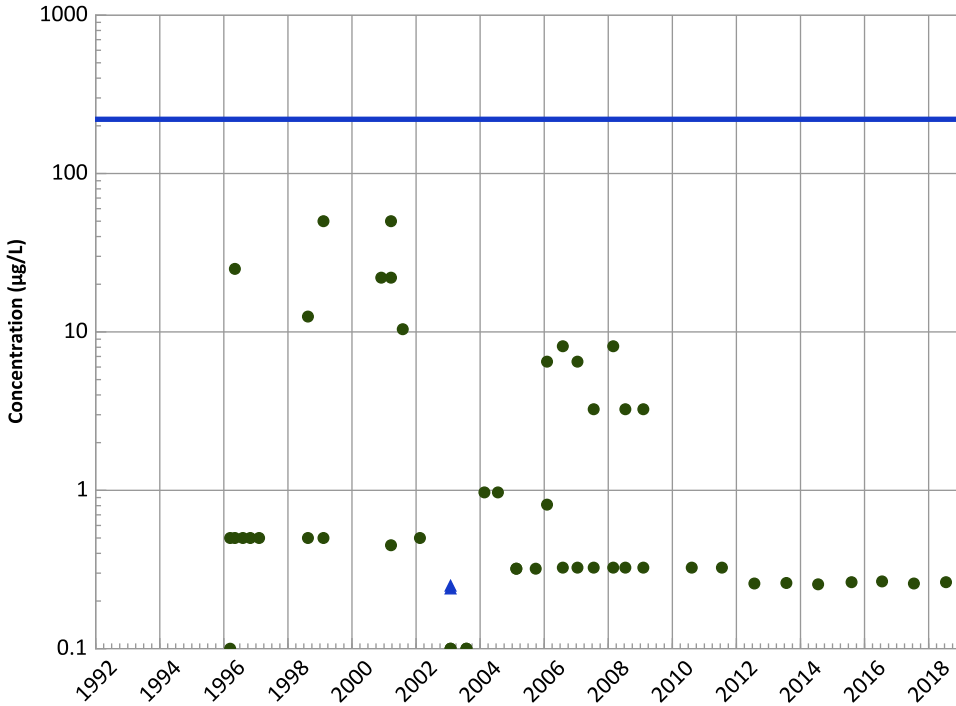
Data (2017 - 2021):

Stable

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

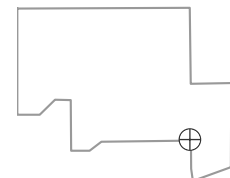
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

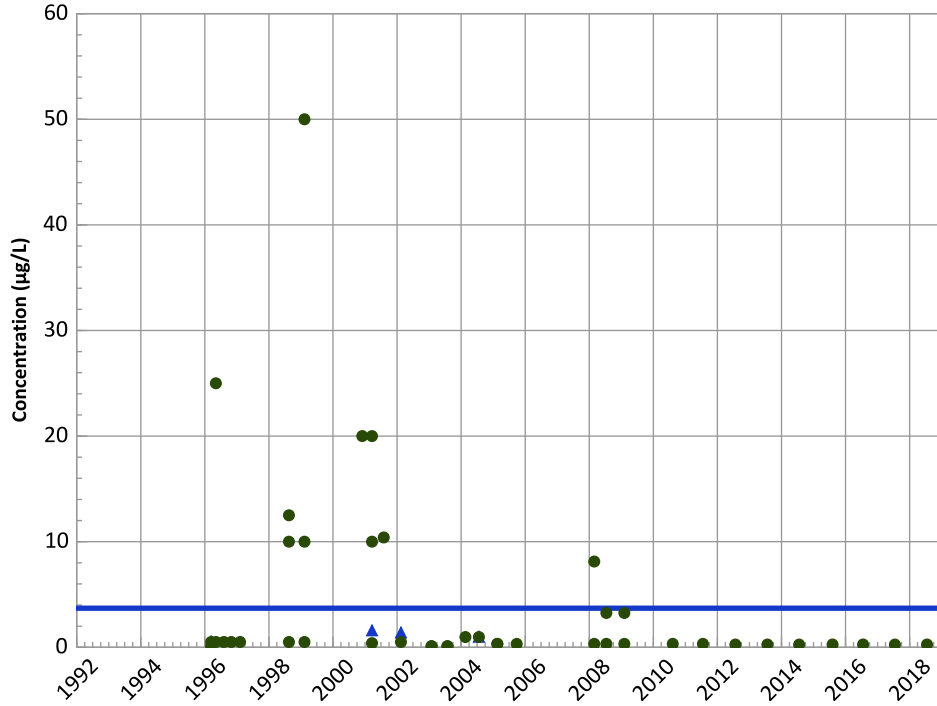
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

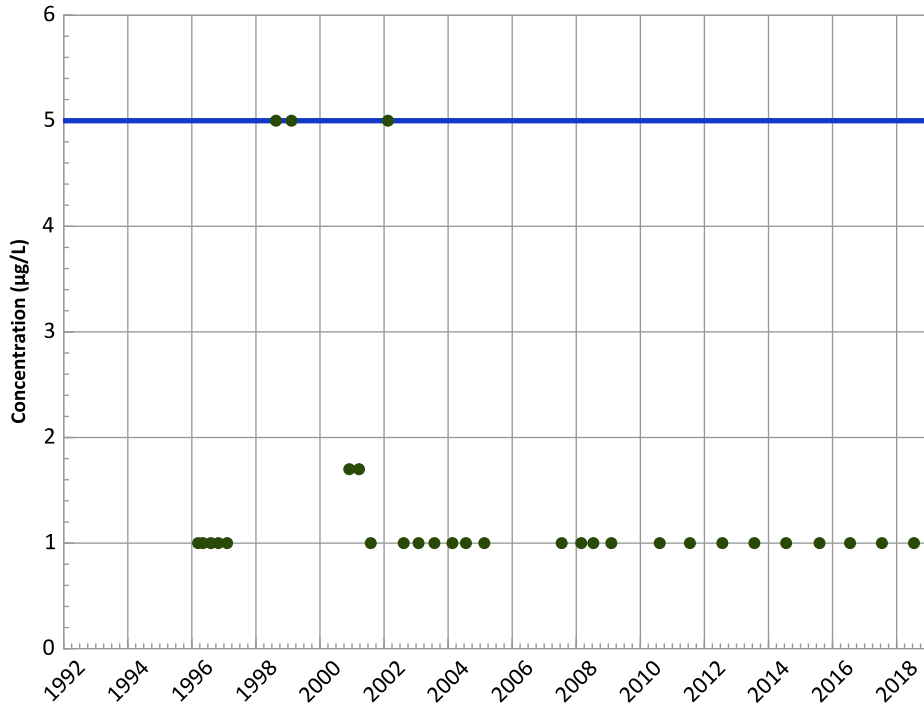
Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

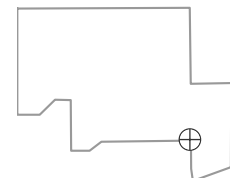
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

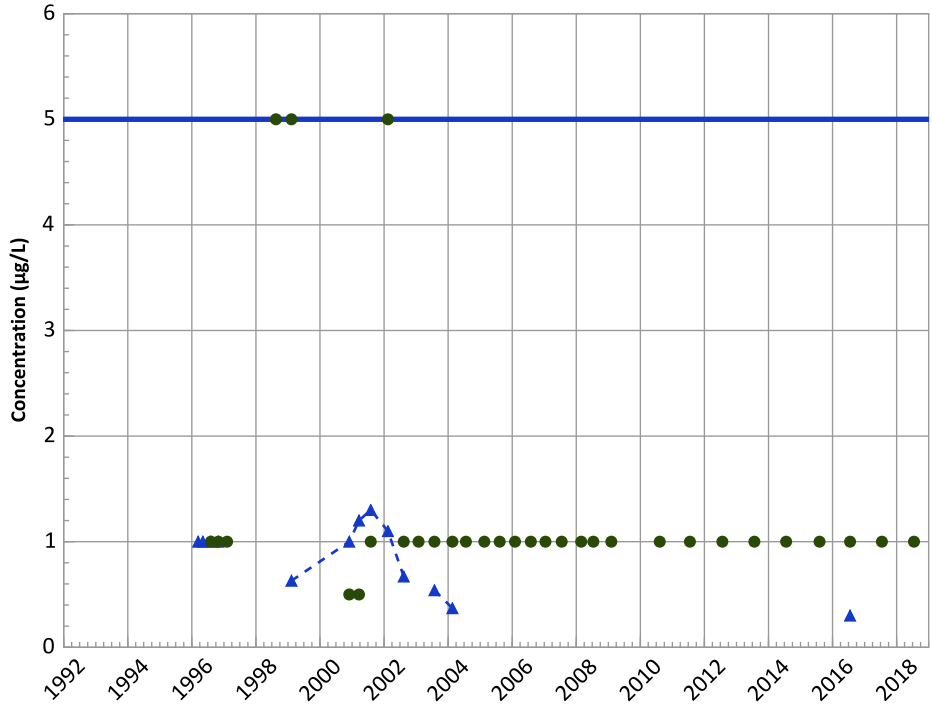
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

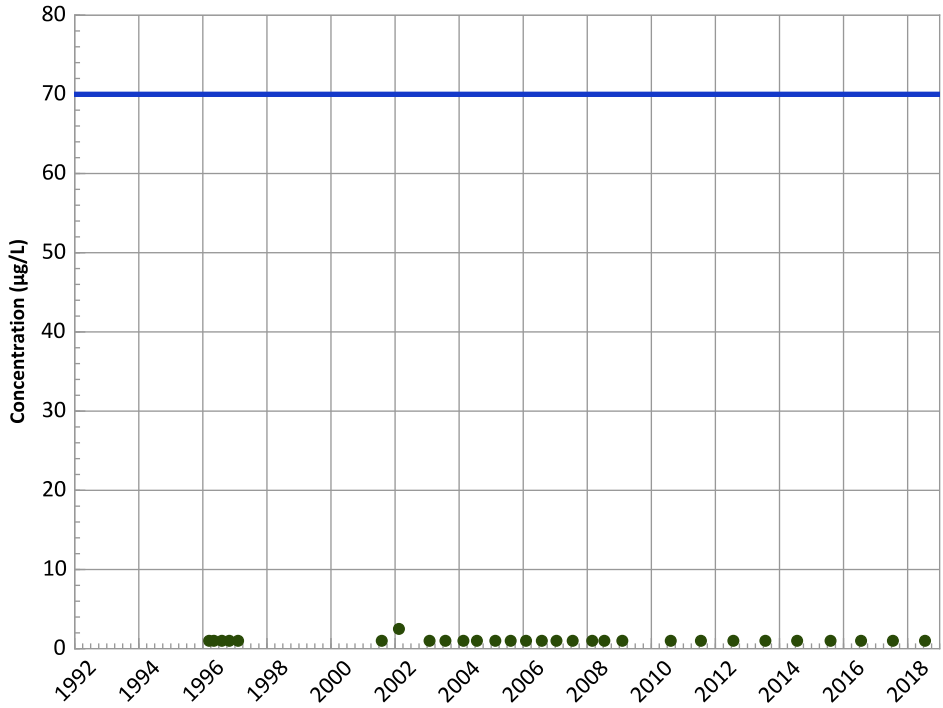


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

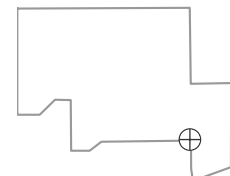
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

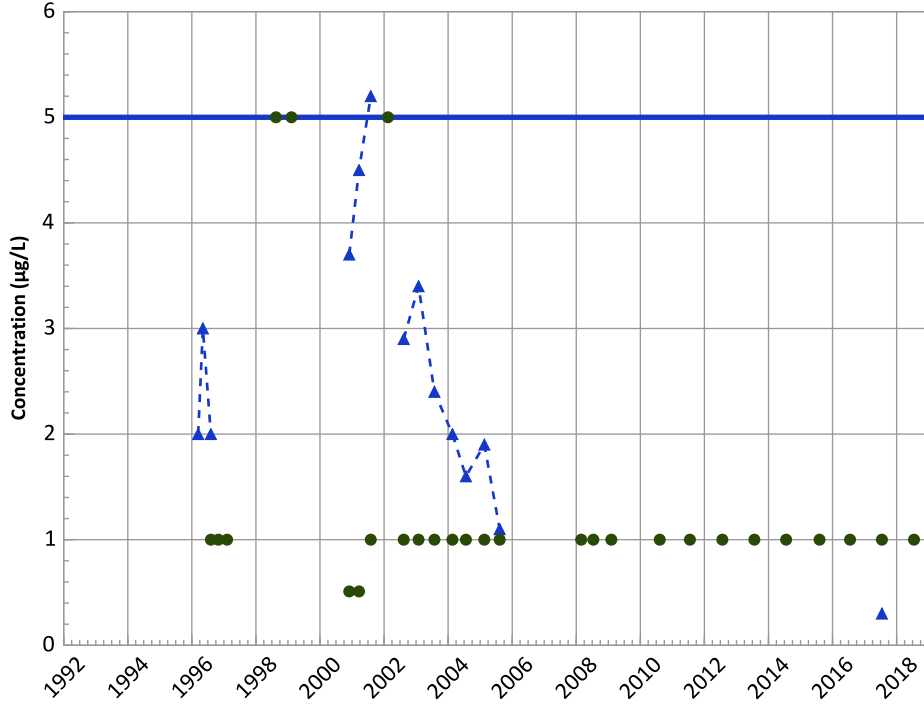
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

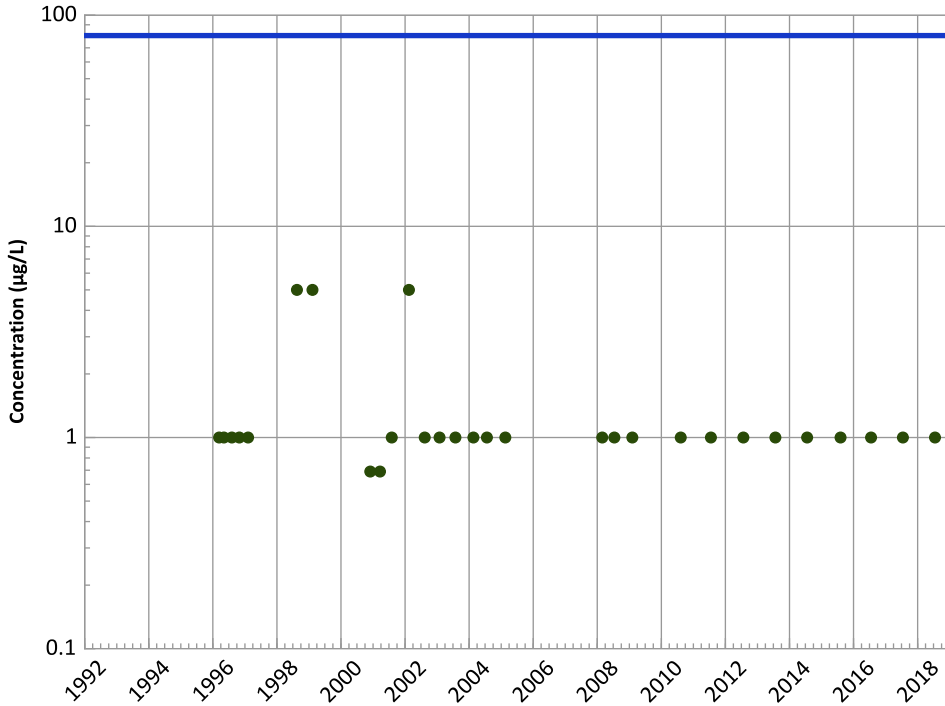
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

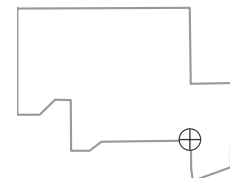
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

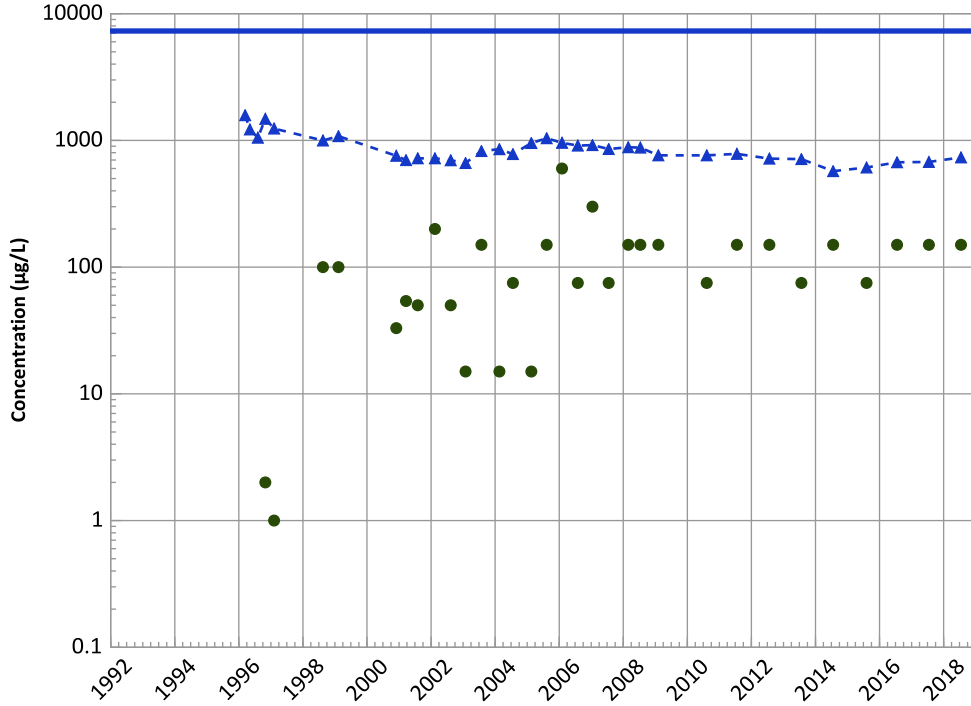


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

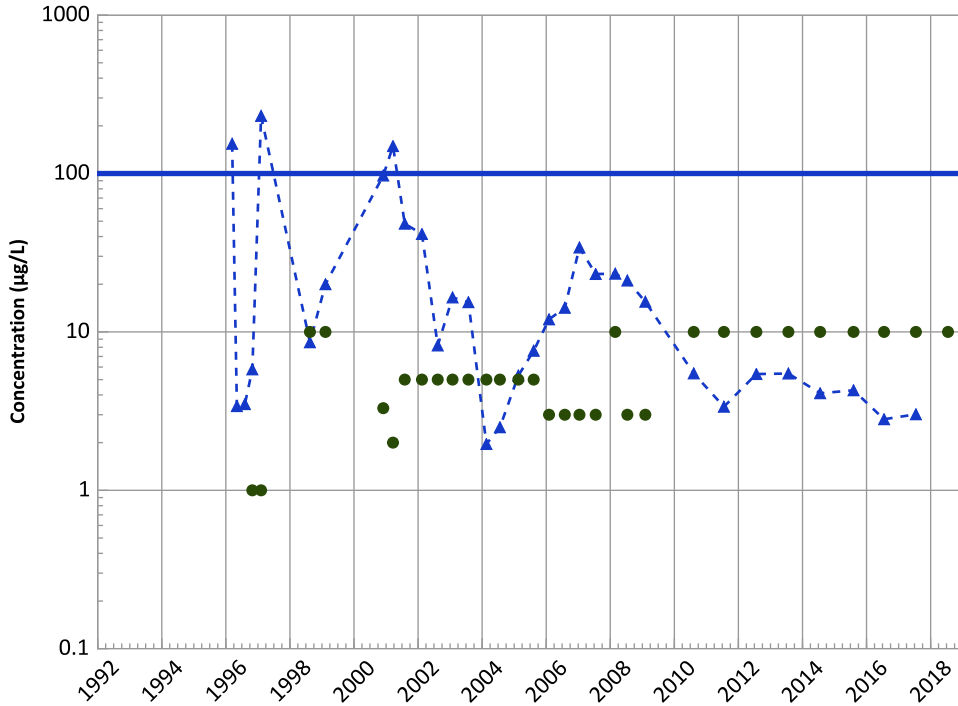
Data (2017 - 2021):

Stable

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

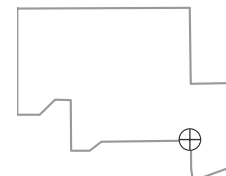
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

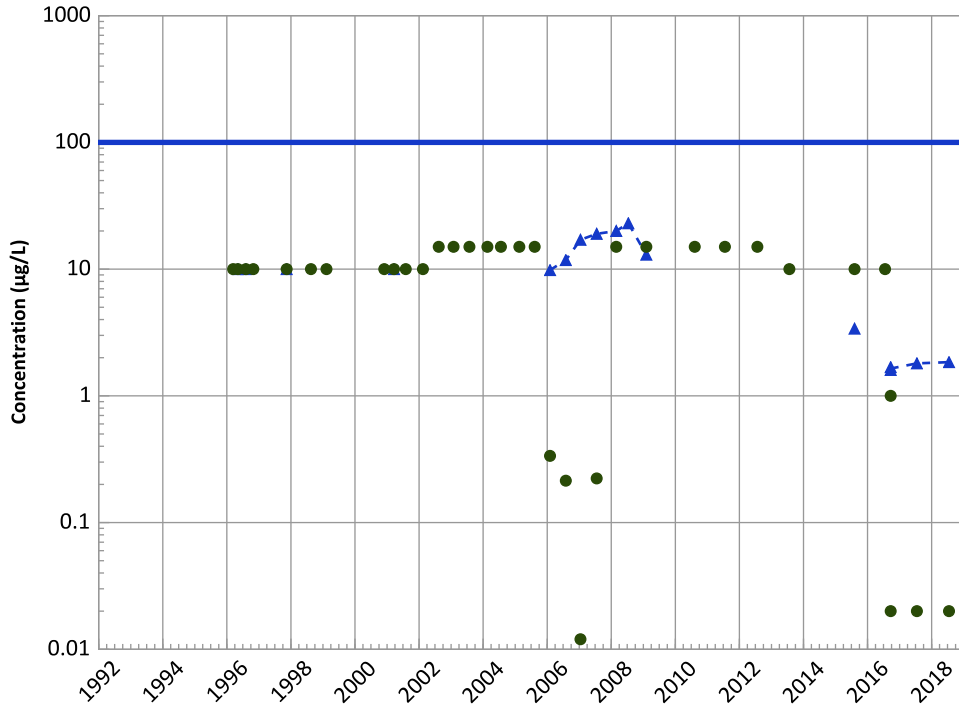
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

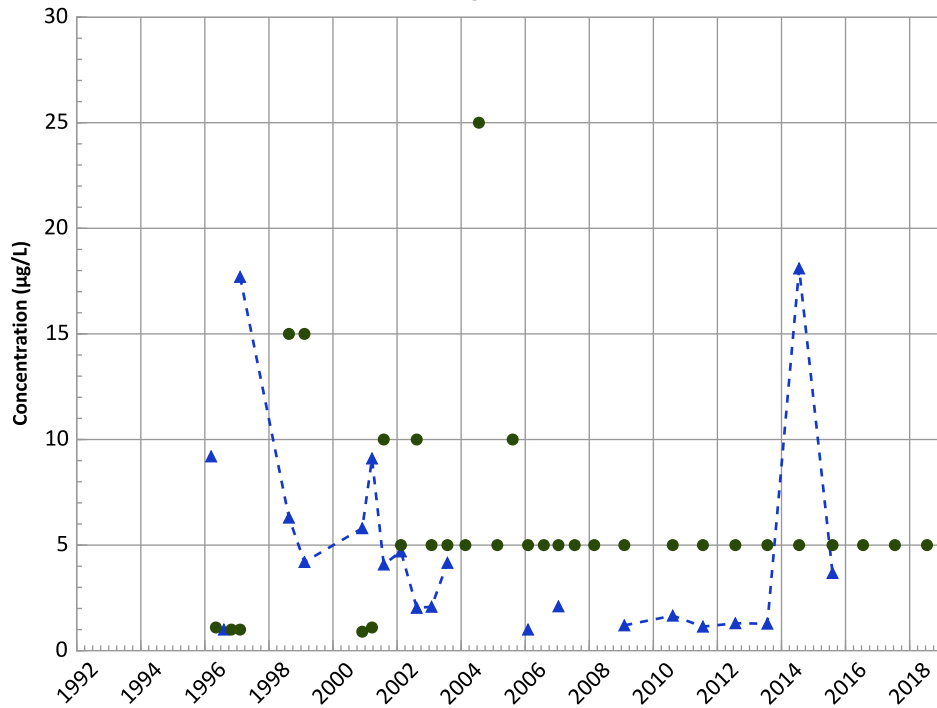


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend

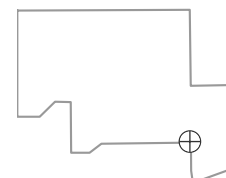


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
No Trend
All Data:
Probably Decreasing

Well Location

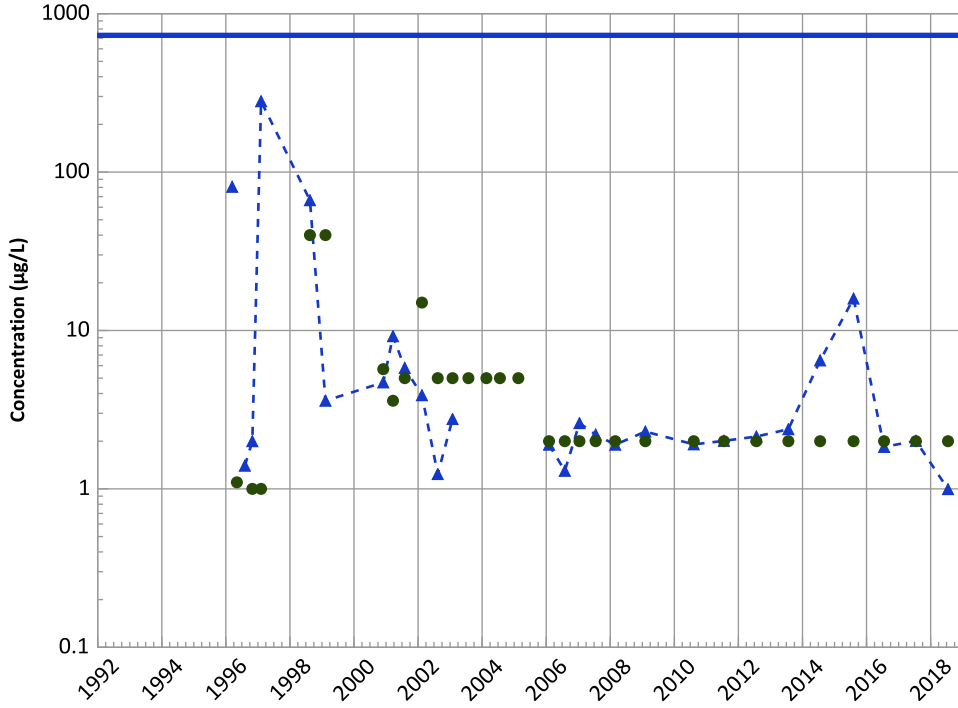


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

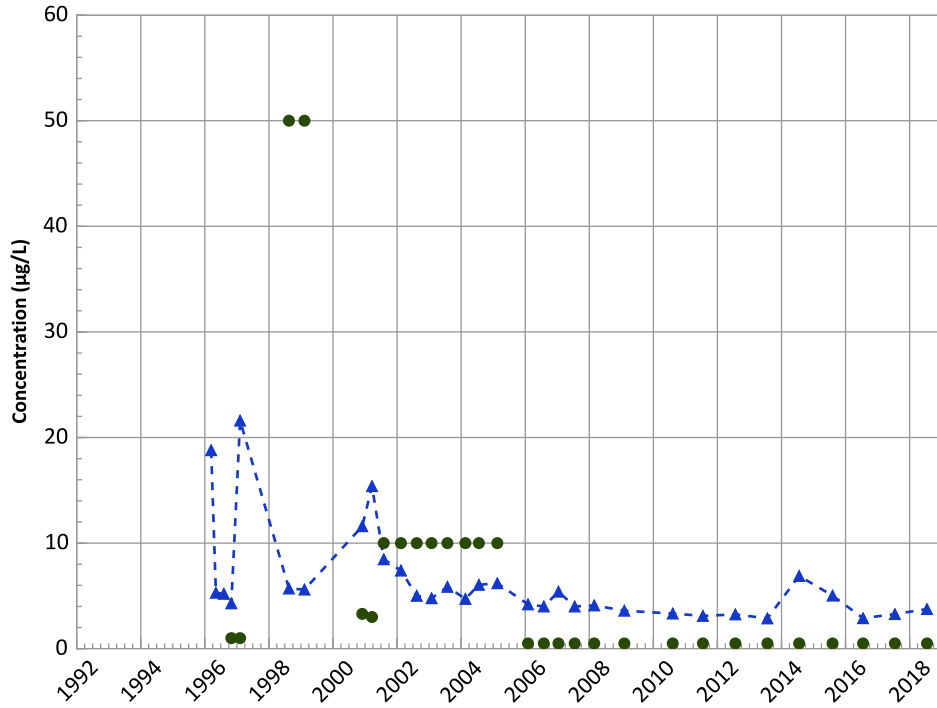
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

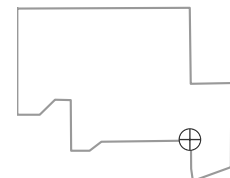
All Data:

Decreasing

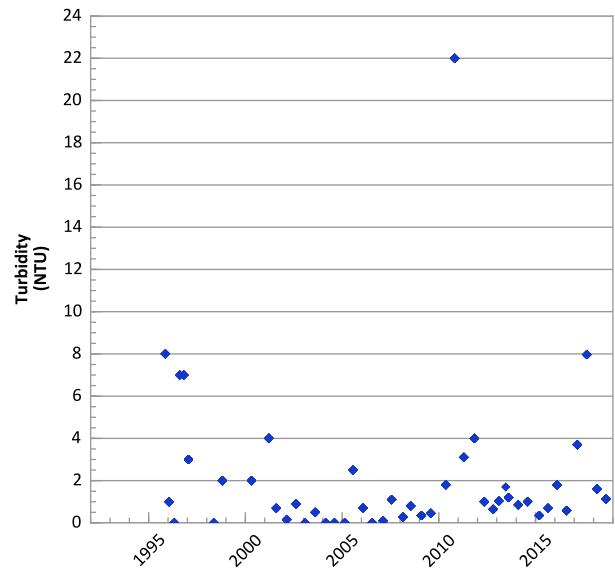
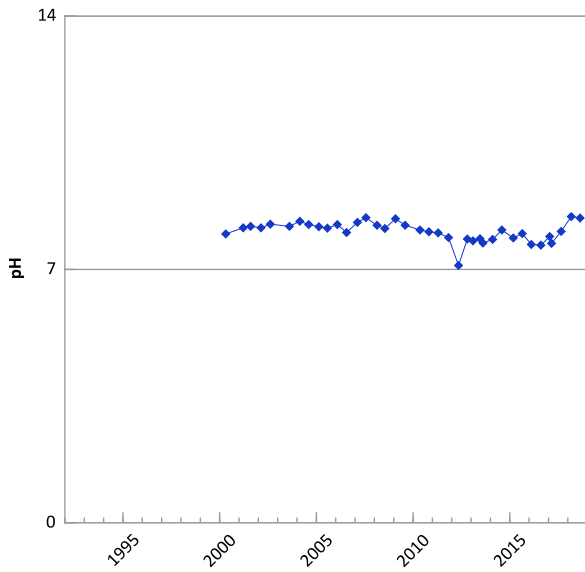
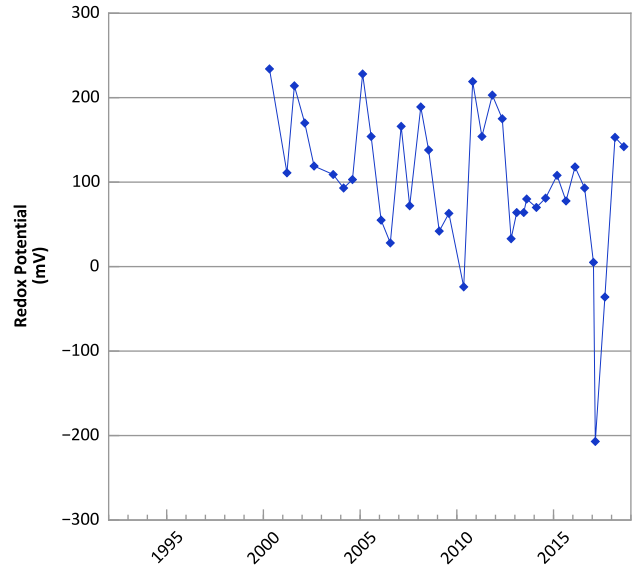
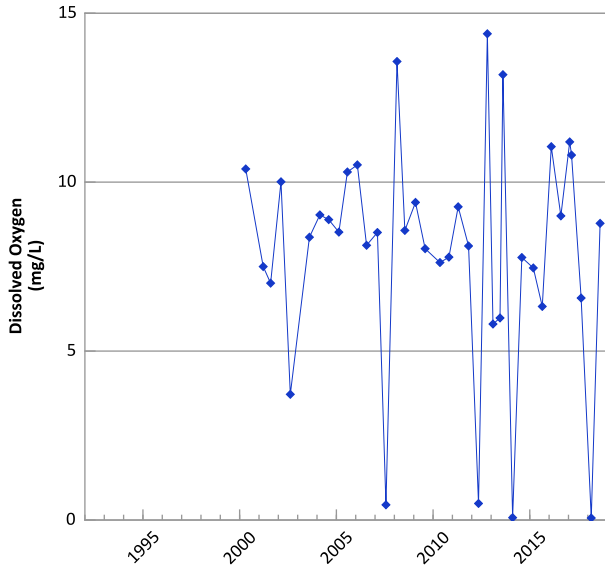
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/13/1996 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

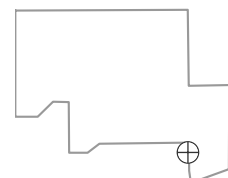


**PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



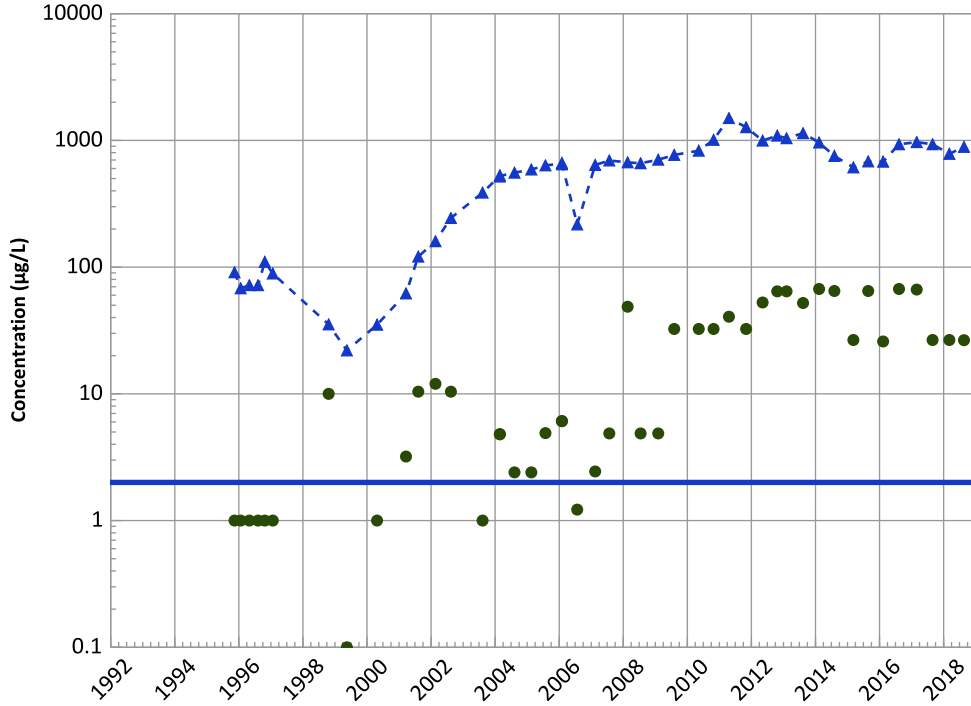
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/13/1995 to 08/21/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1015 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 (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

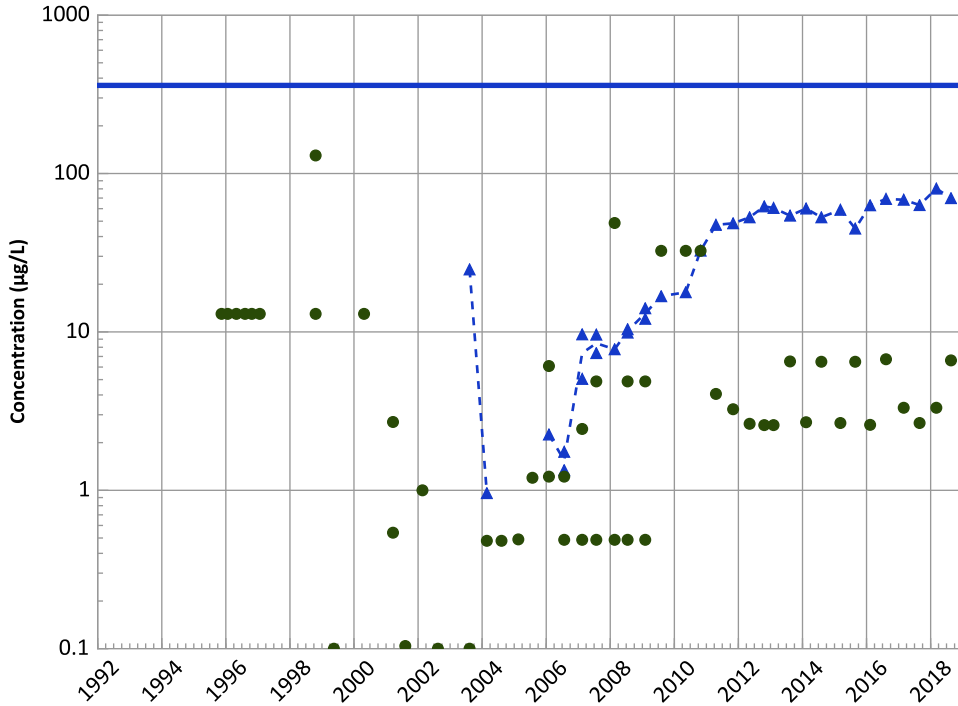
Data (2017 - 2021):

Decreasing

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

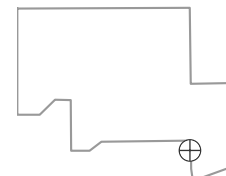
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

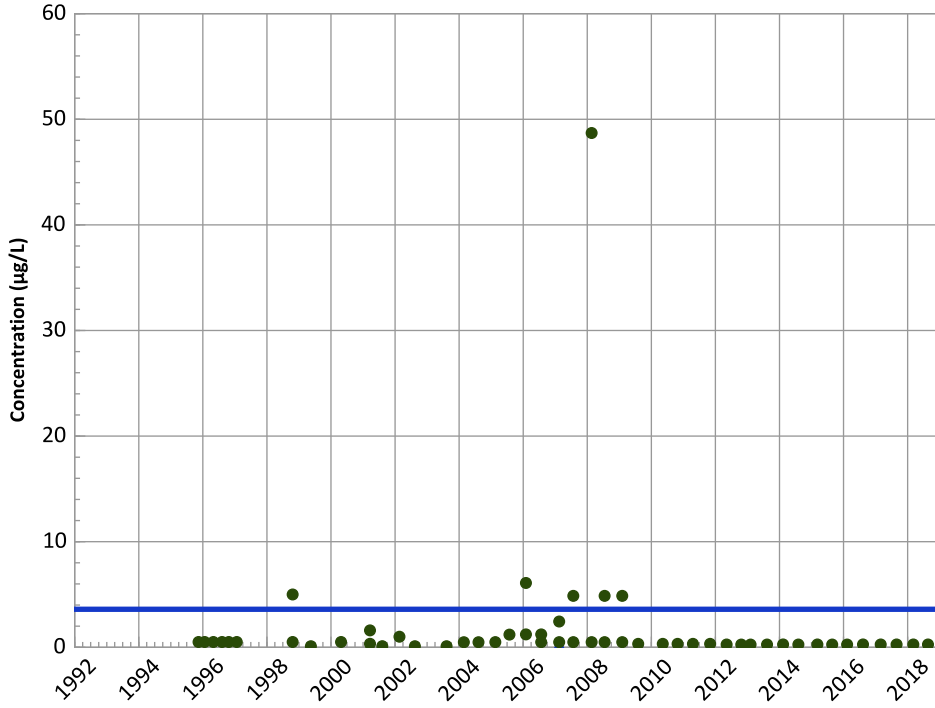
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

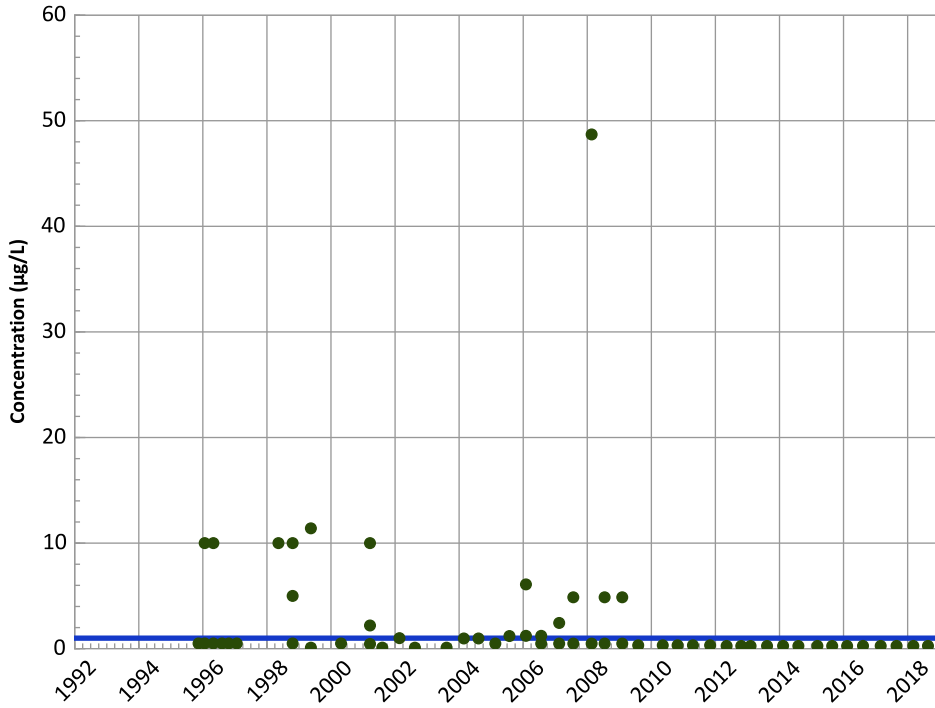
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

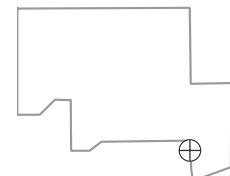
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

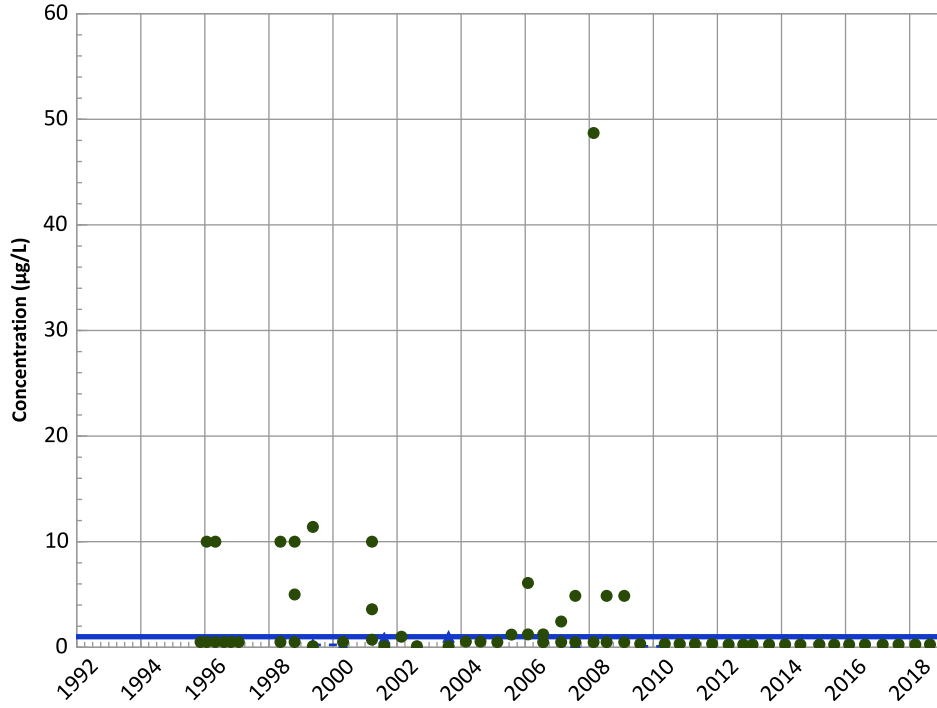
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

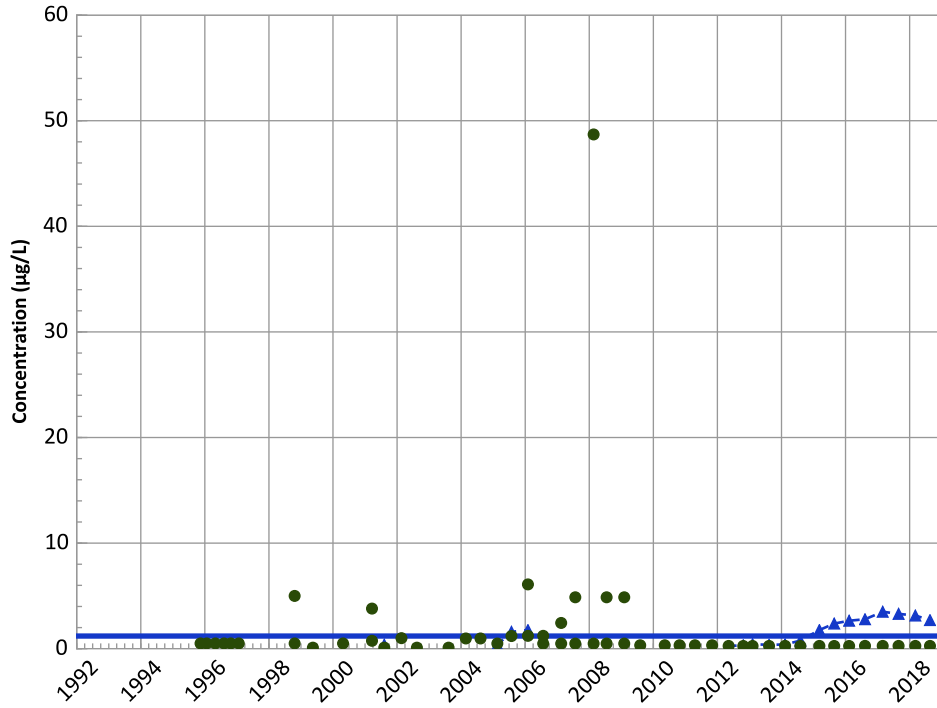
Data (2017 - 2021):

All Non-Detect

All Data:

Probably Decreasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

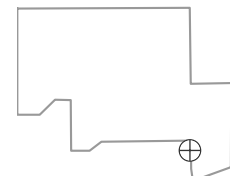
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

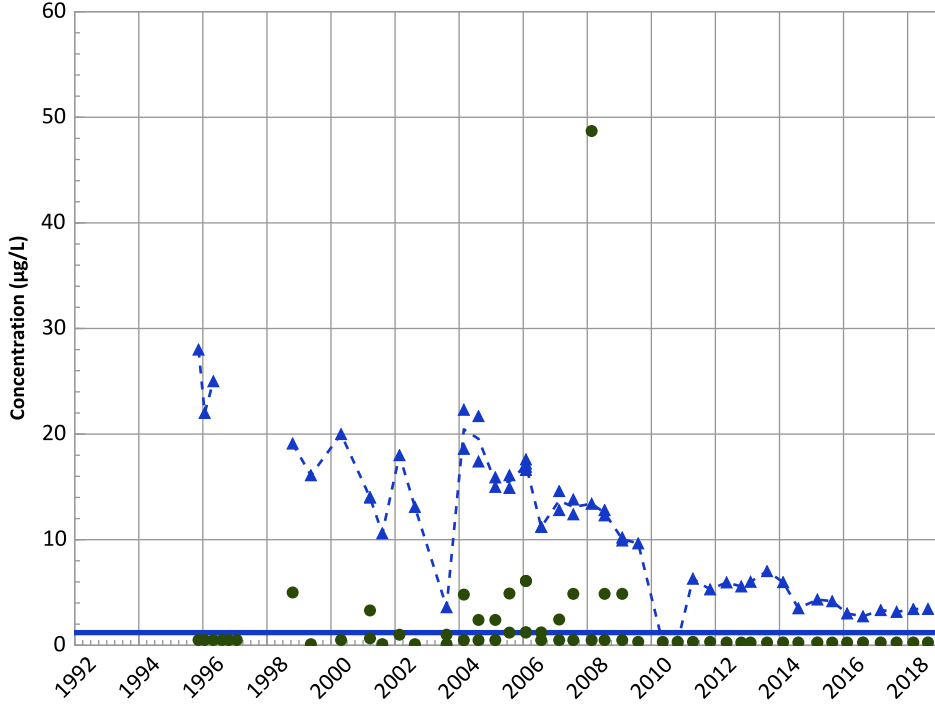
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

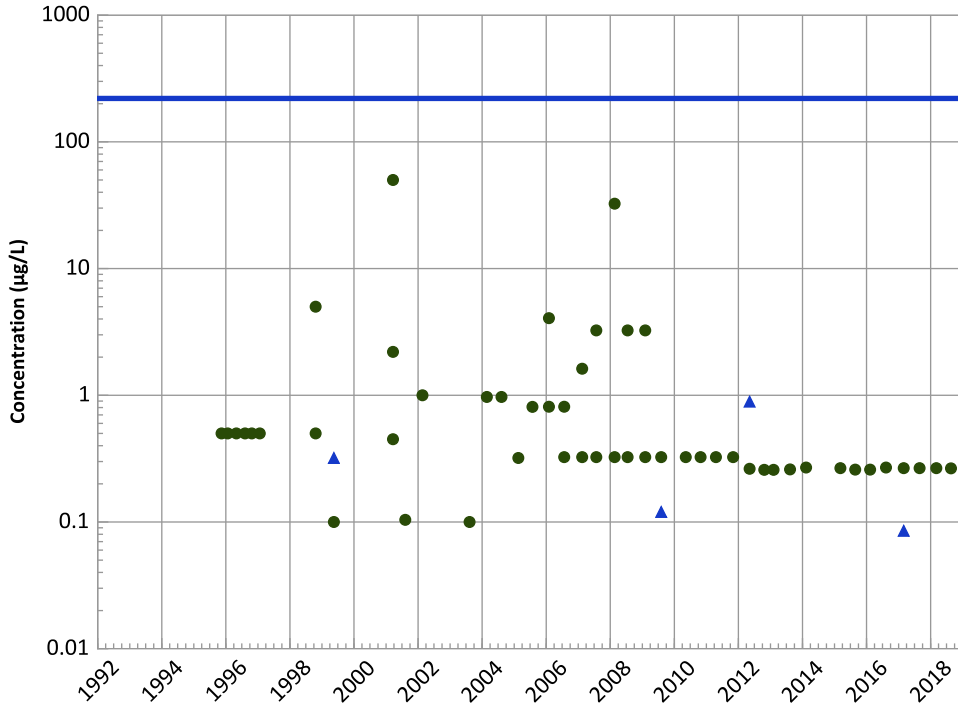
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

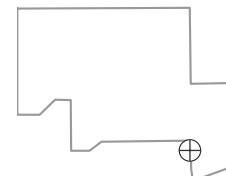
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

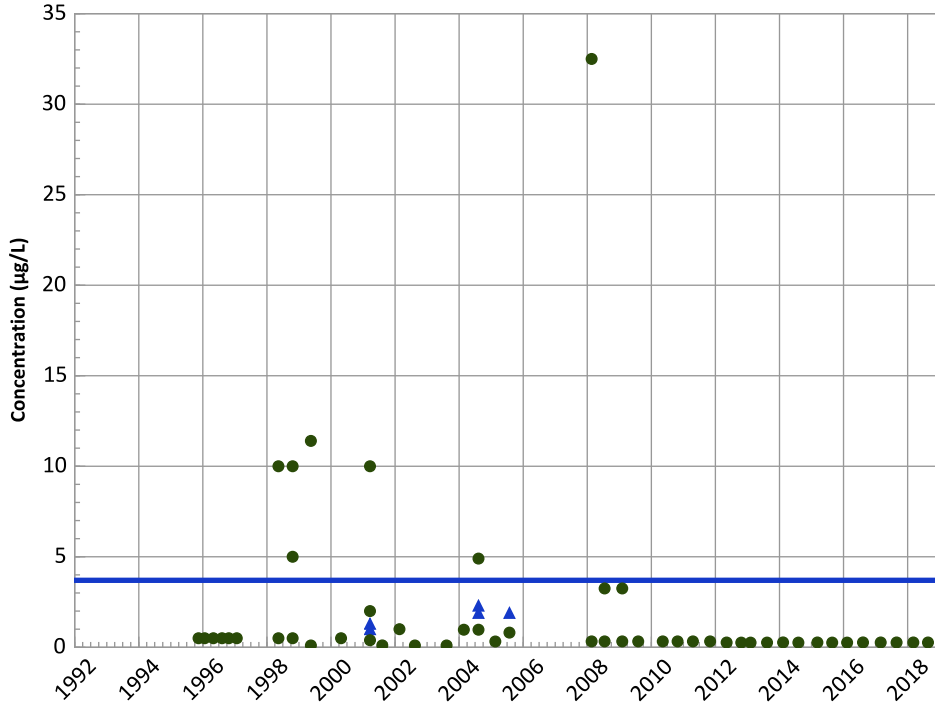
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

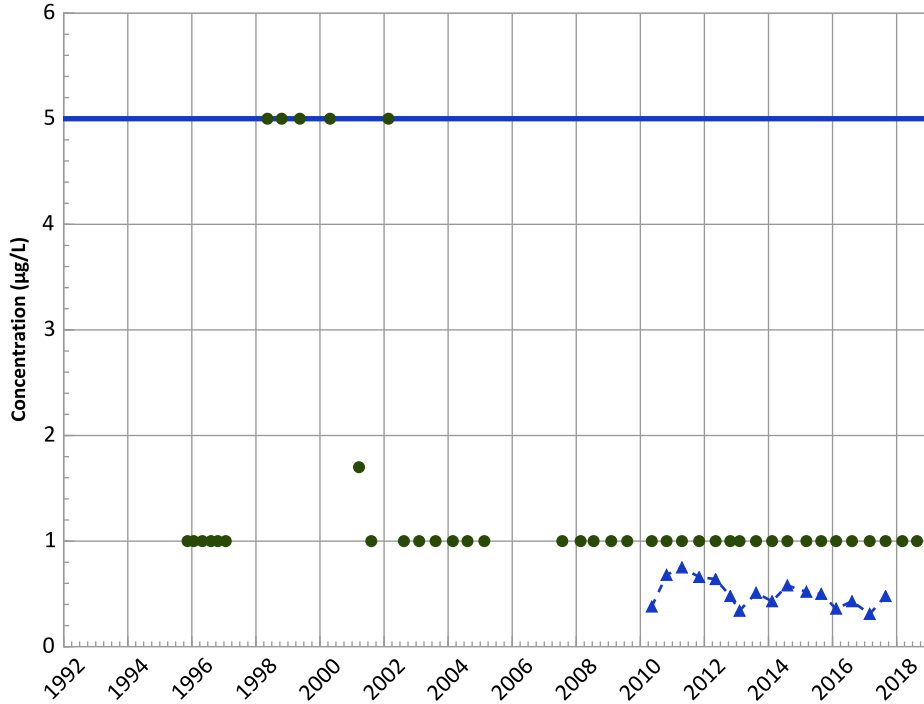
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

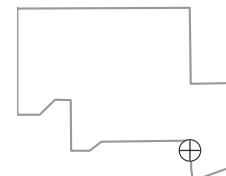
Data (2017 - 2021):

Stable

All Data:

Decreasing

Well Location

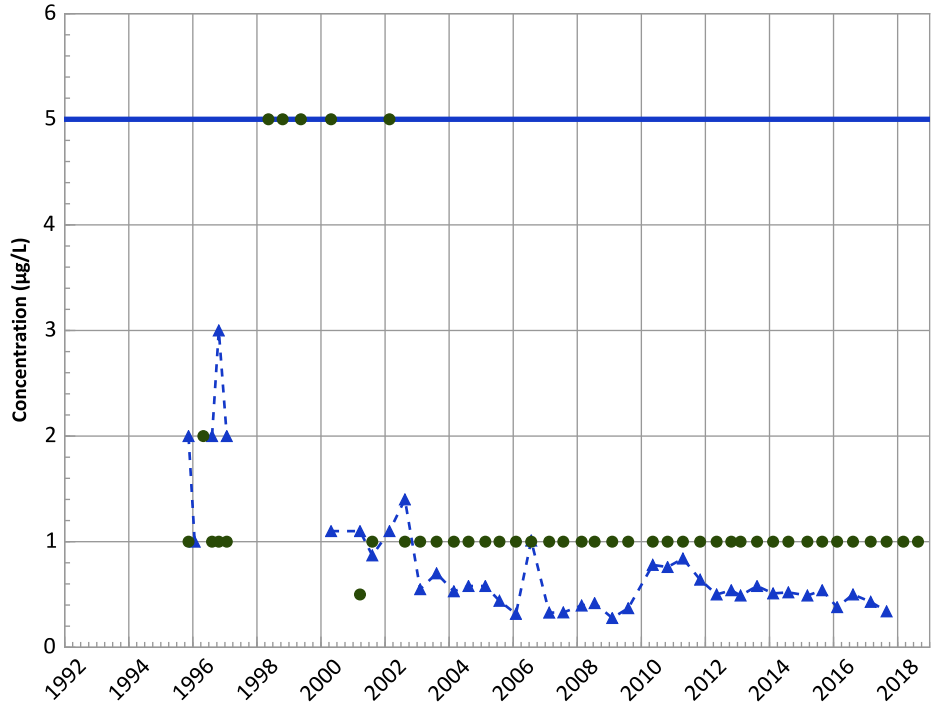


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

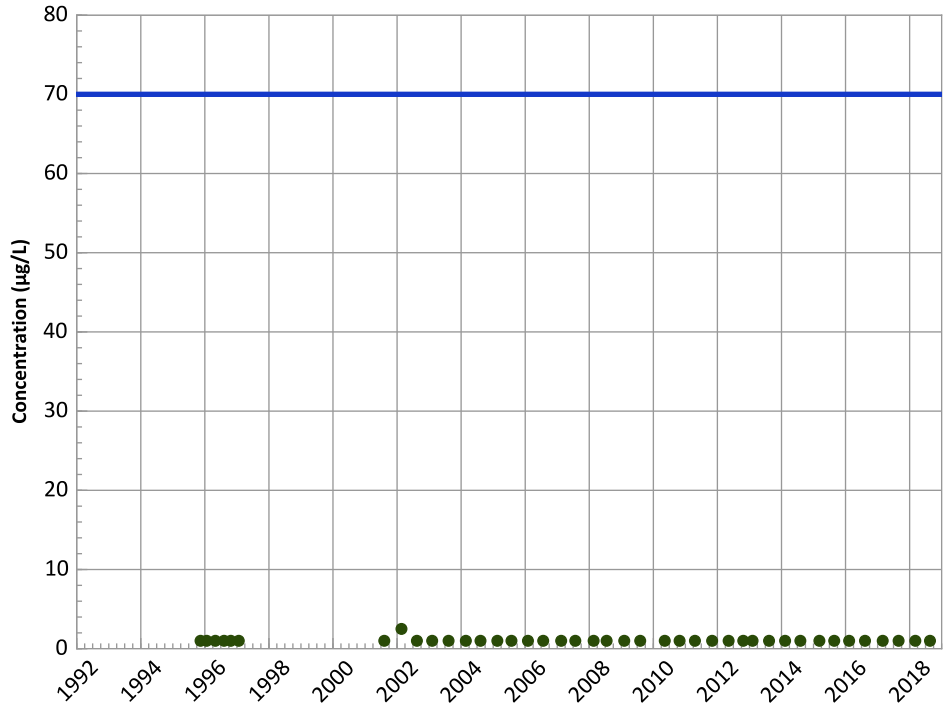
Data (2017 - 2021):

Stable

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

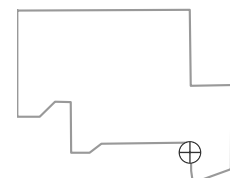
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

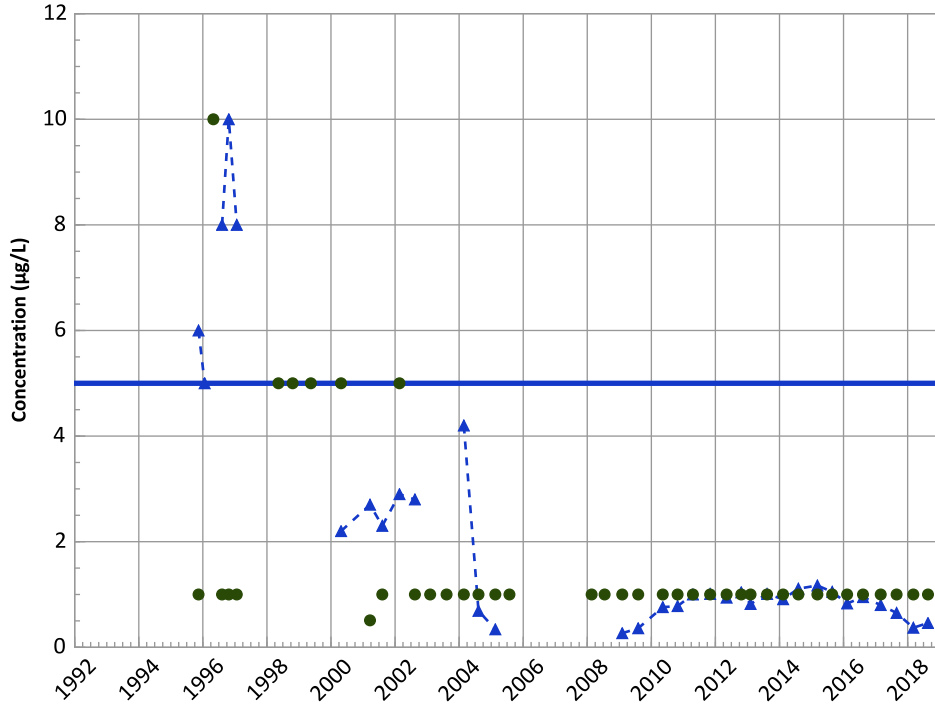


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

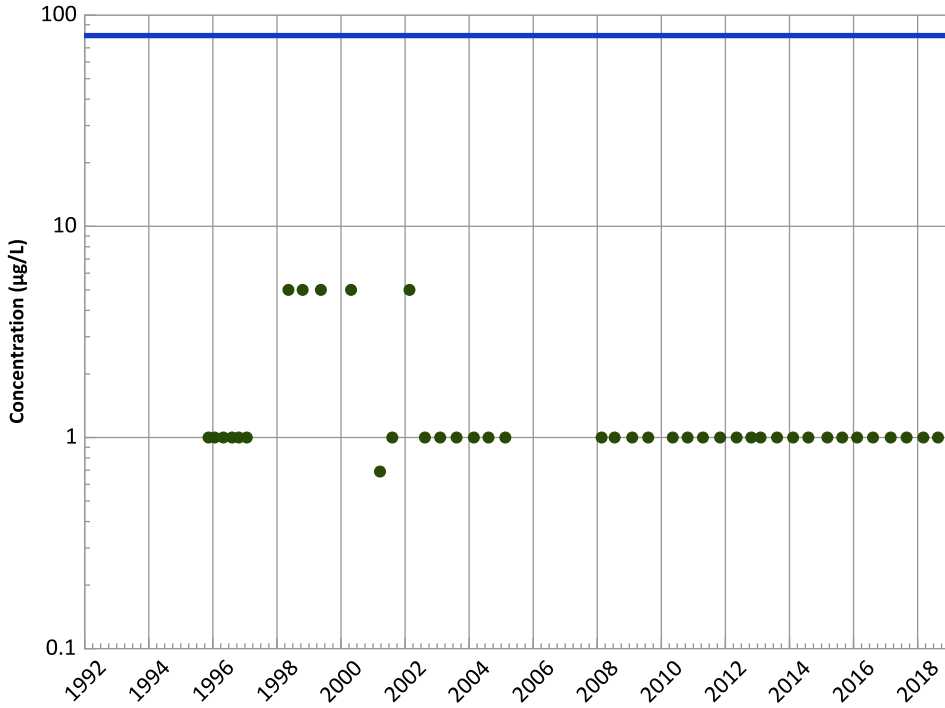
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

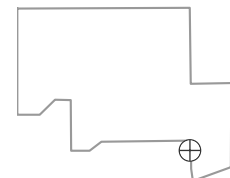
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

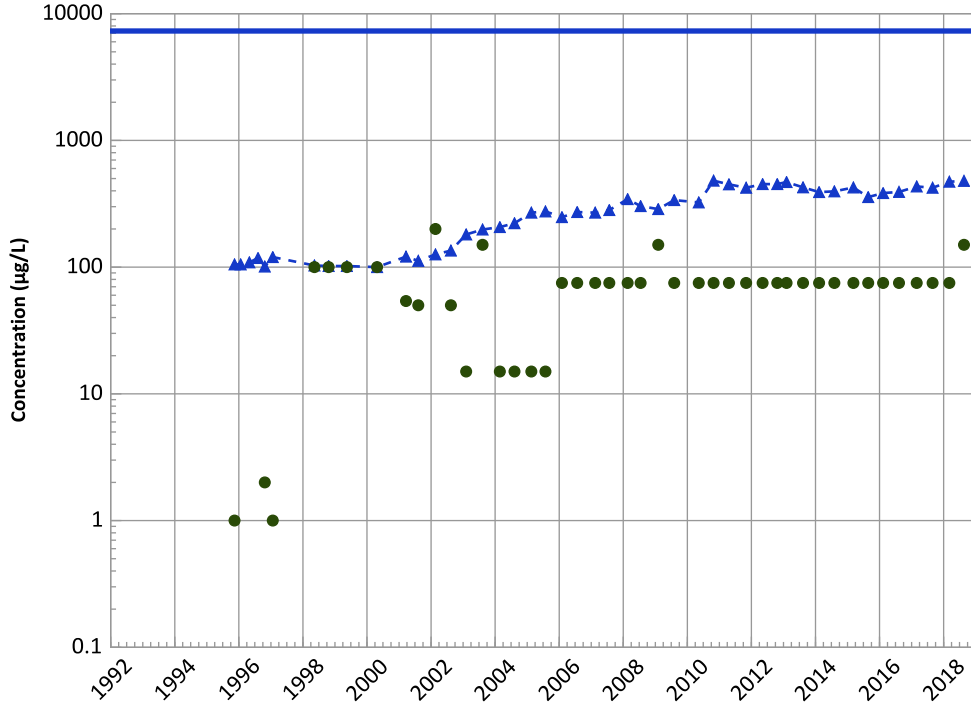


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

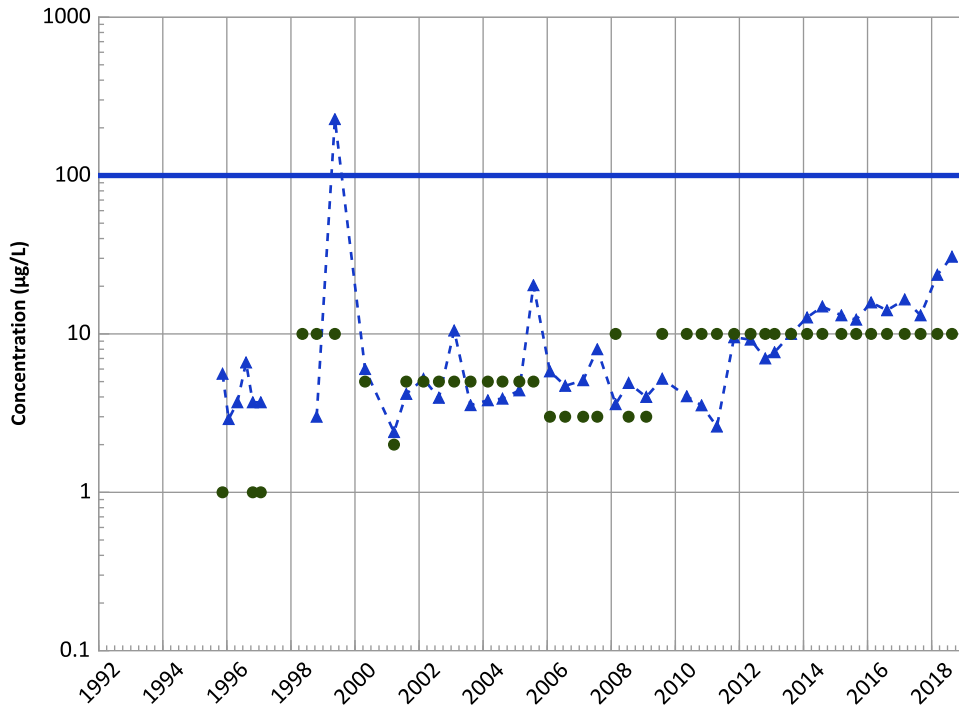


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Chromium, Total Trend



Concentration Trend

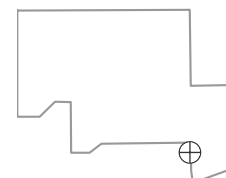
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

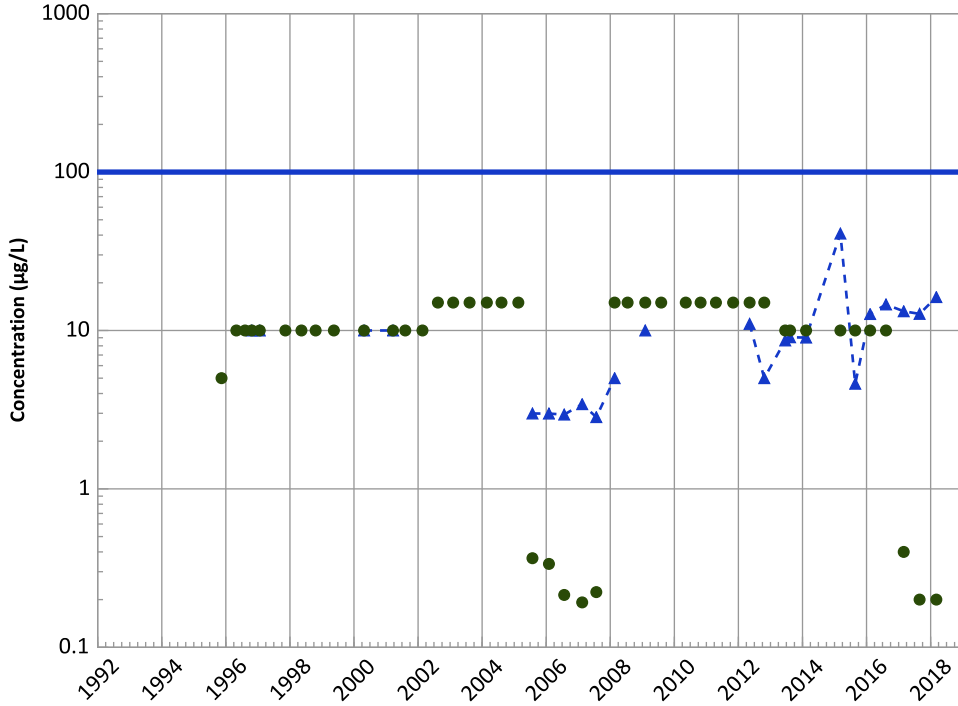
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

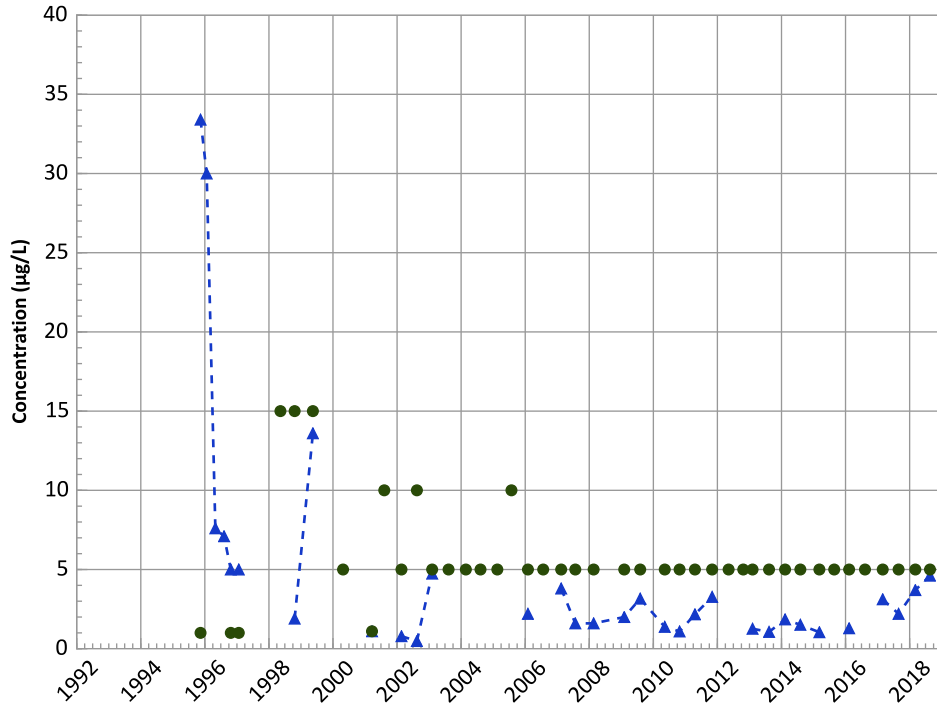
Data (2017 - 2021):

No Trend

All Data:

Probably Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

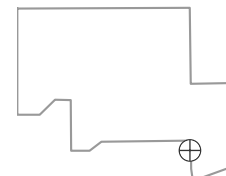
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

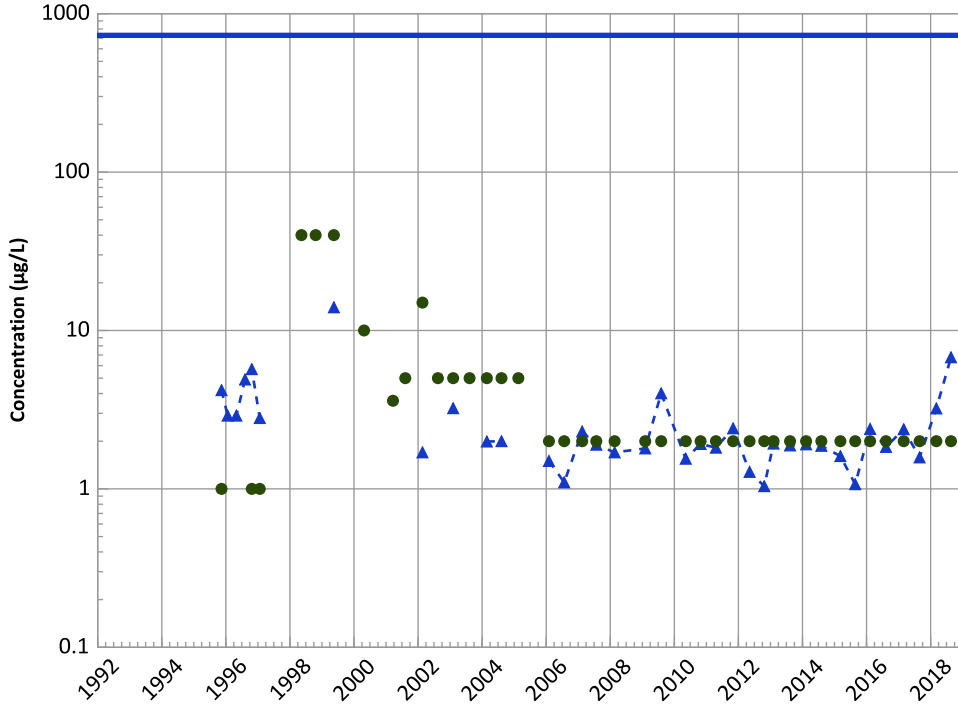
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1015 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

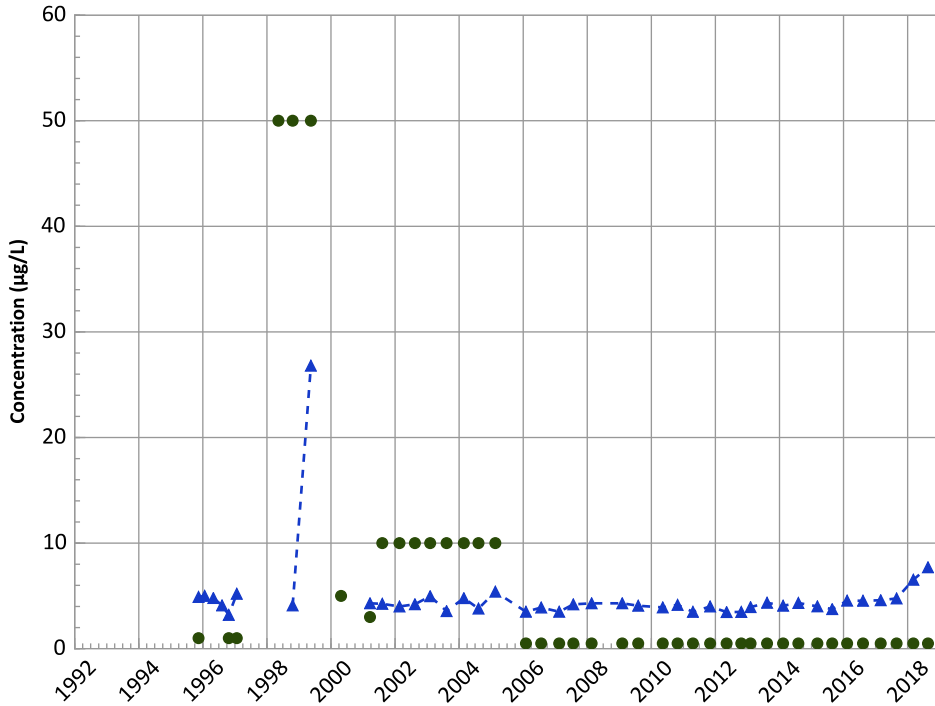
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

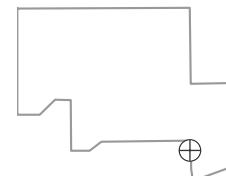
All Data:

Stable

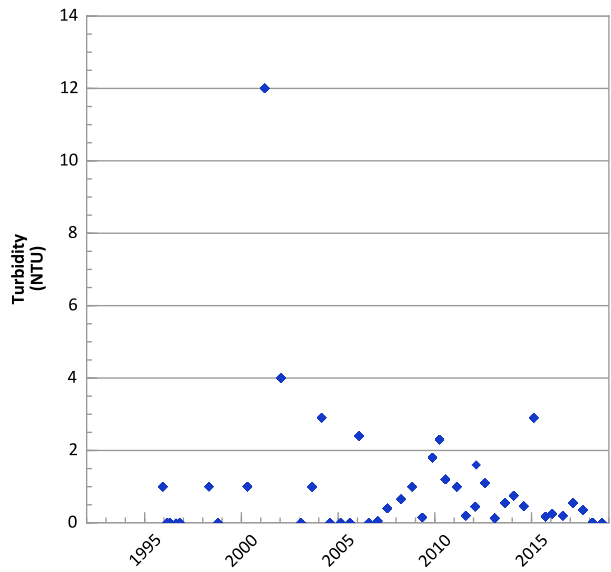
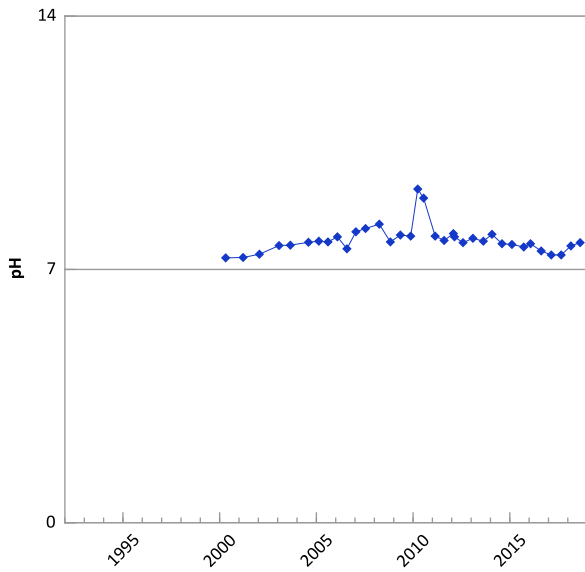
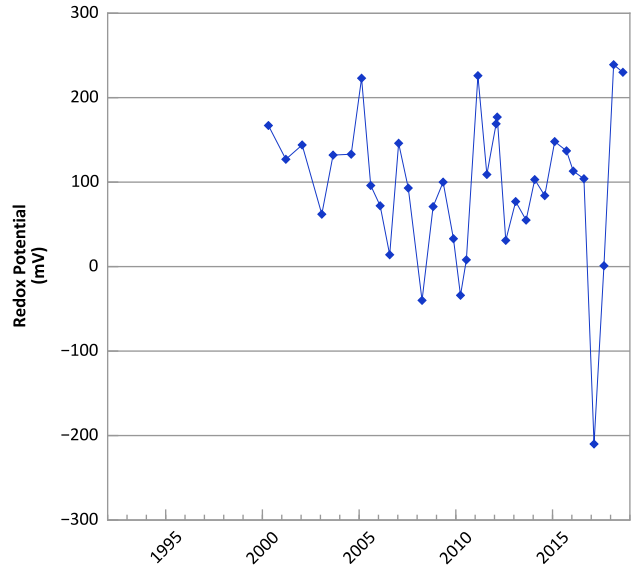
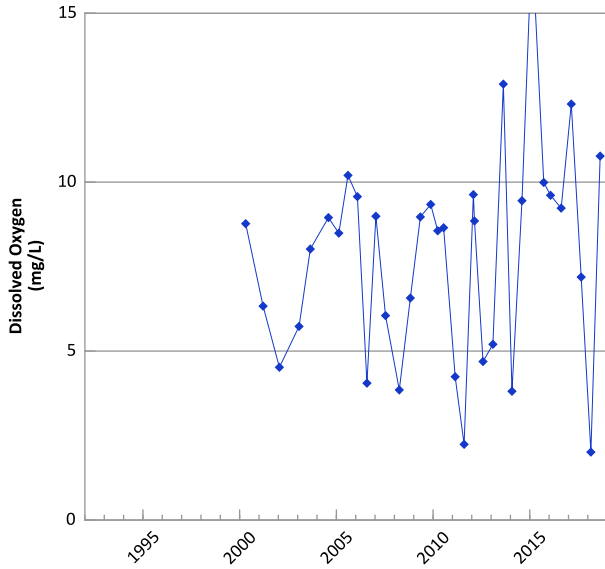
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/13/1995 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

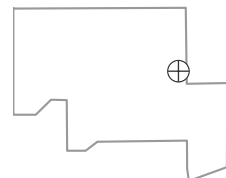


**PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



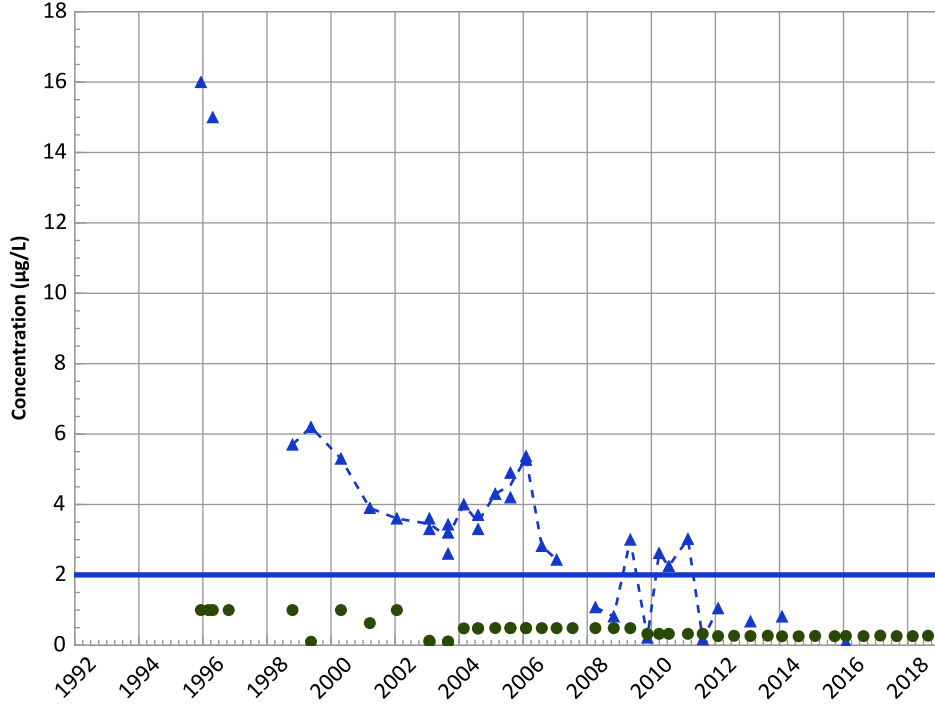
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/18/1995 to 08/22/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

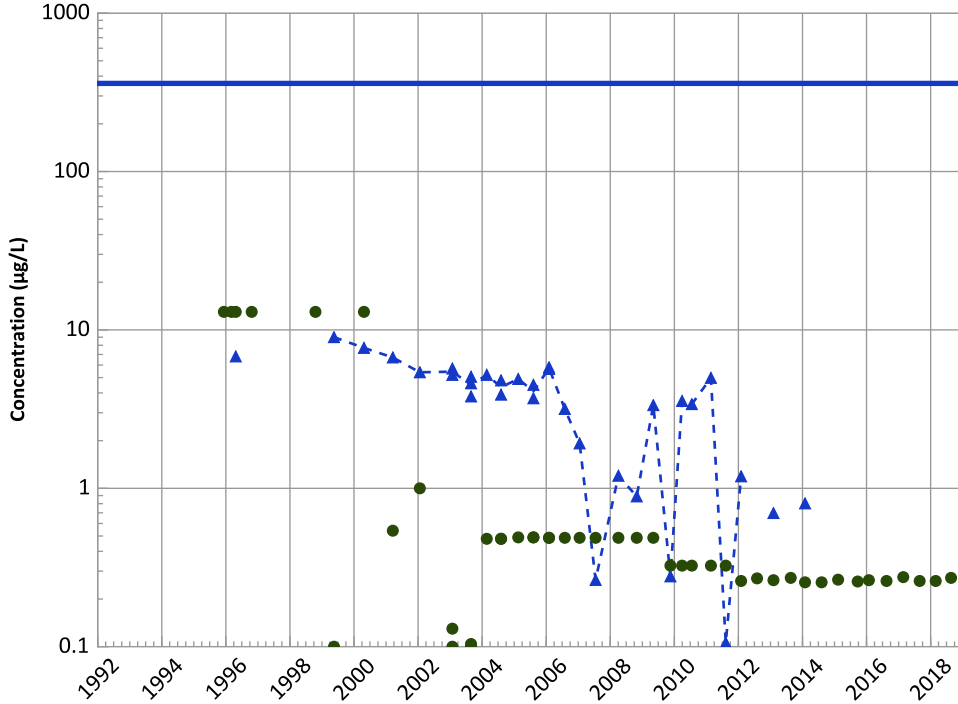
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

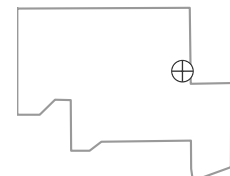
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

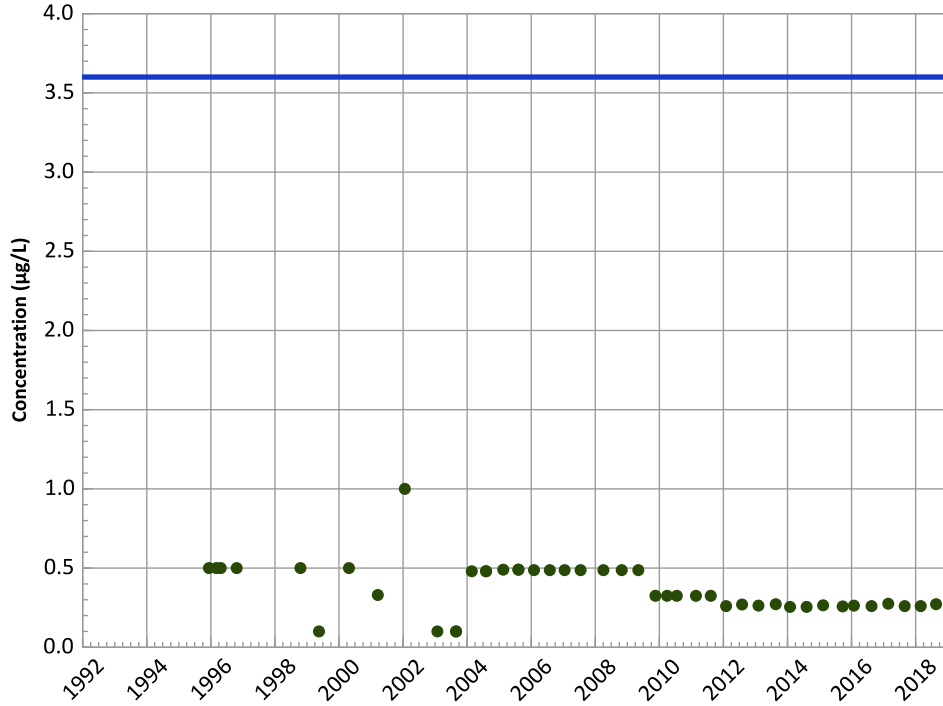
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

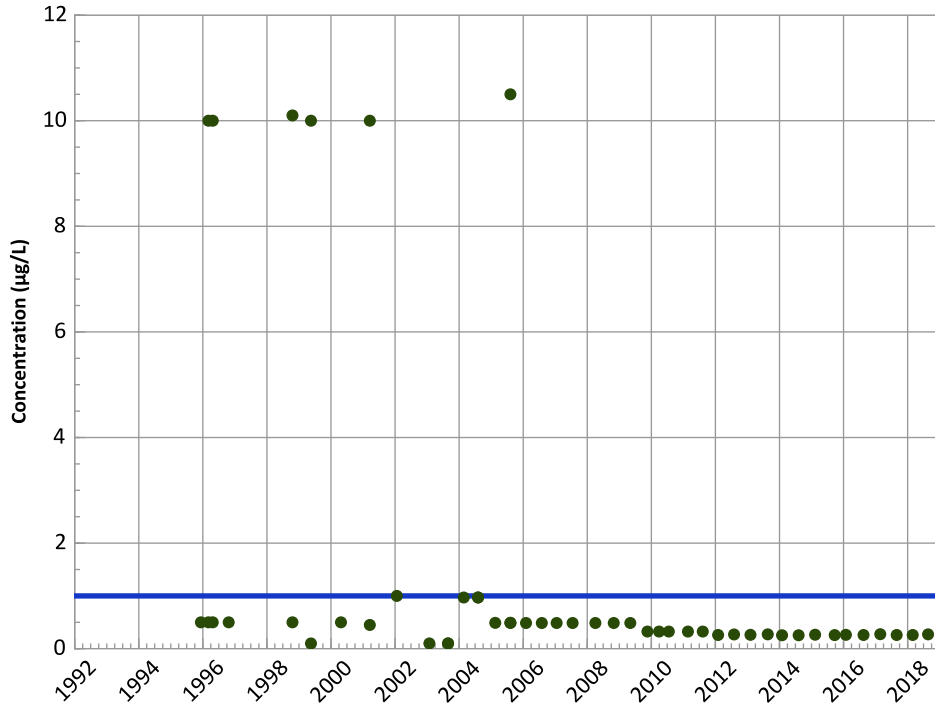
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

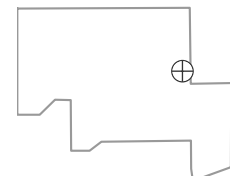
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

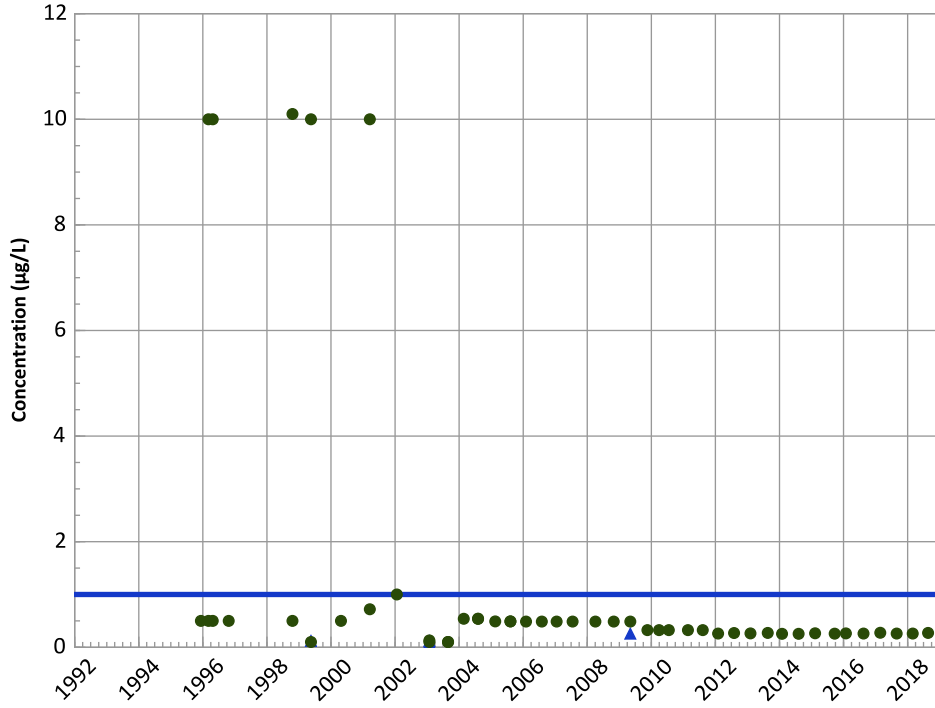


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

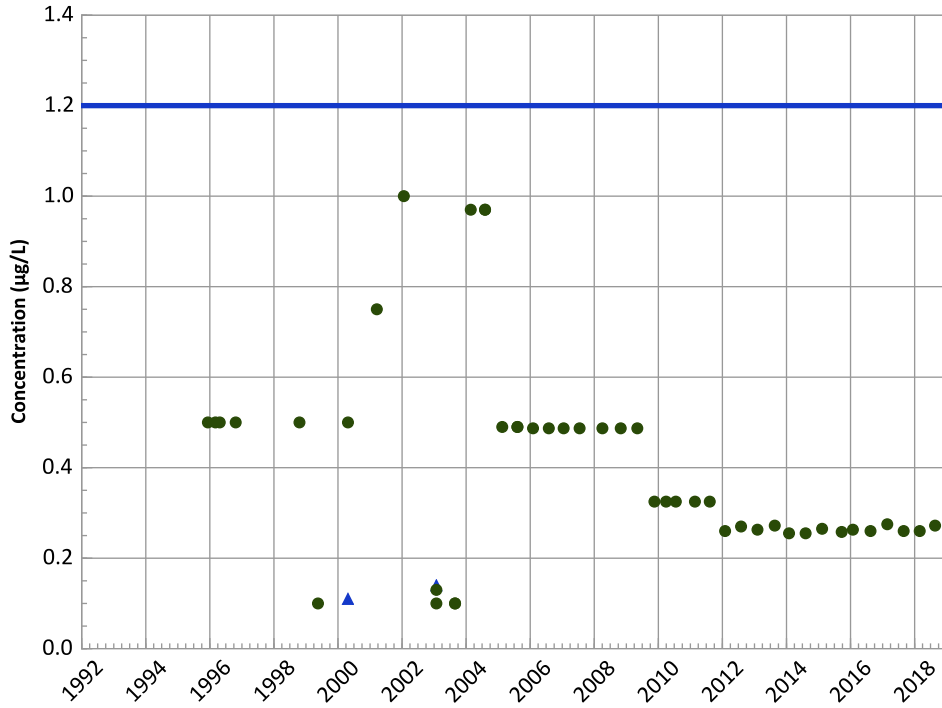
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

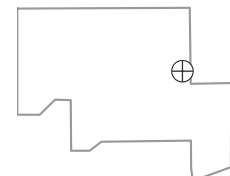
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

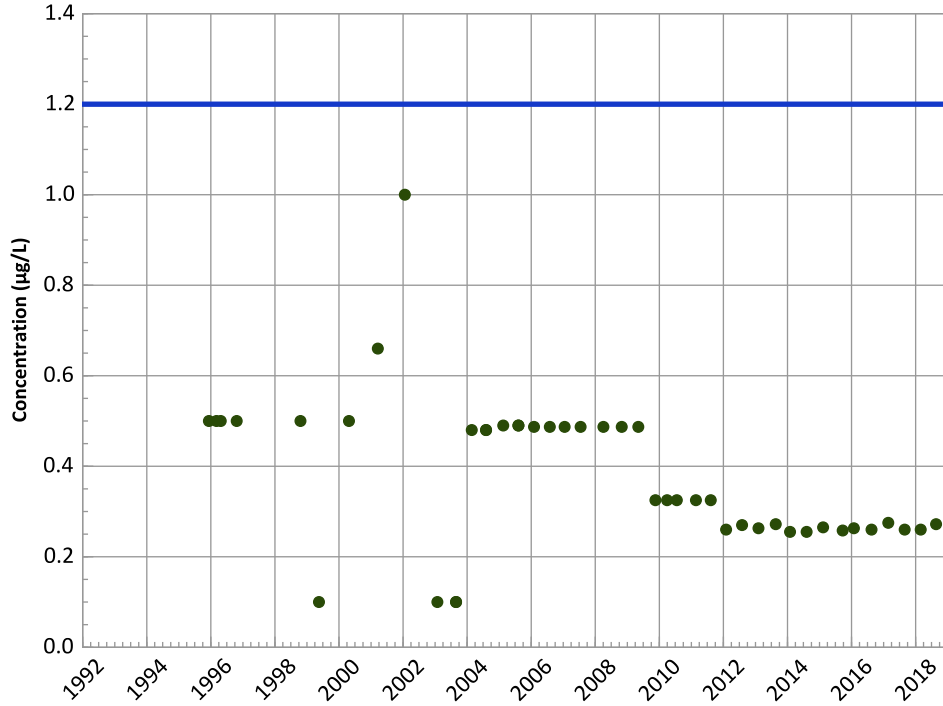


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

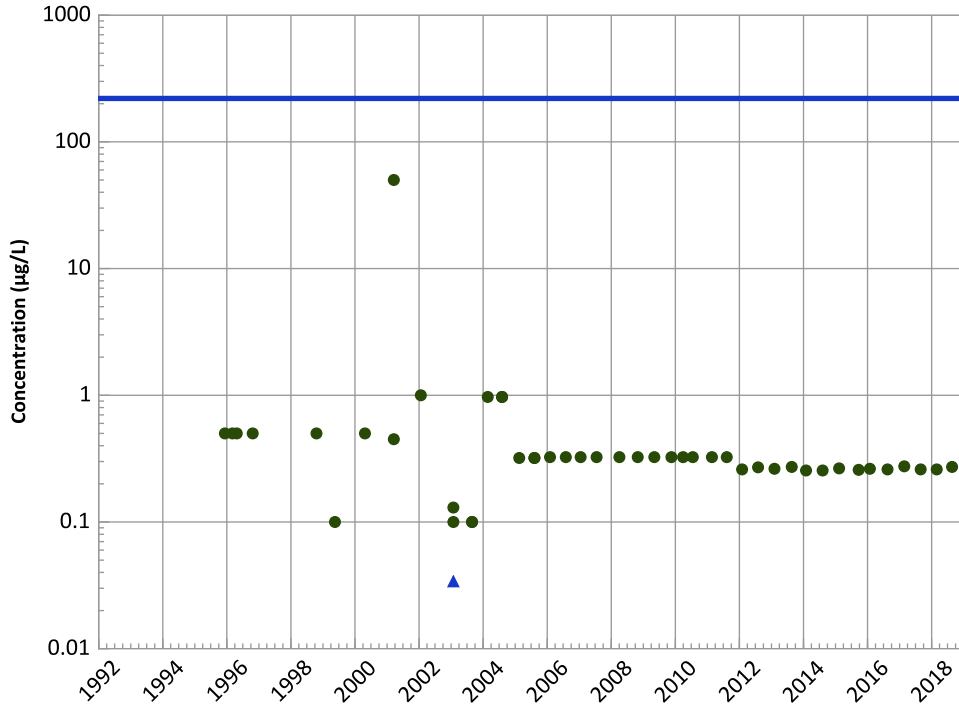
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

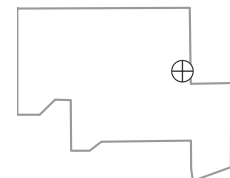
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

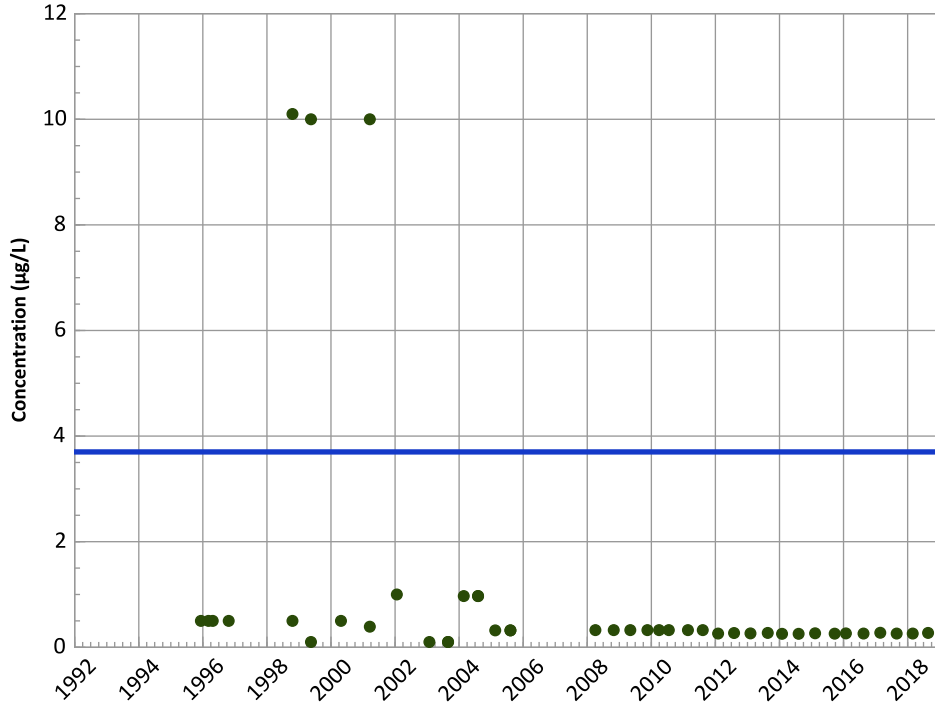


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

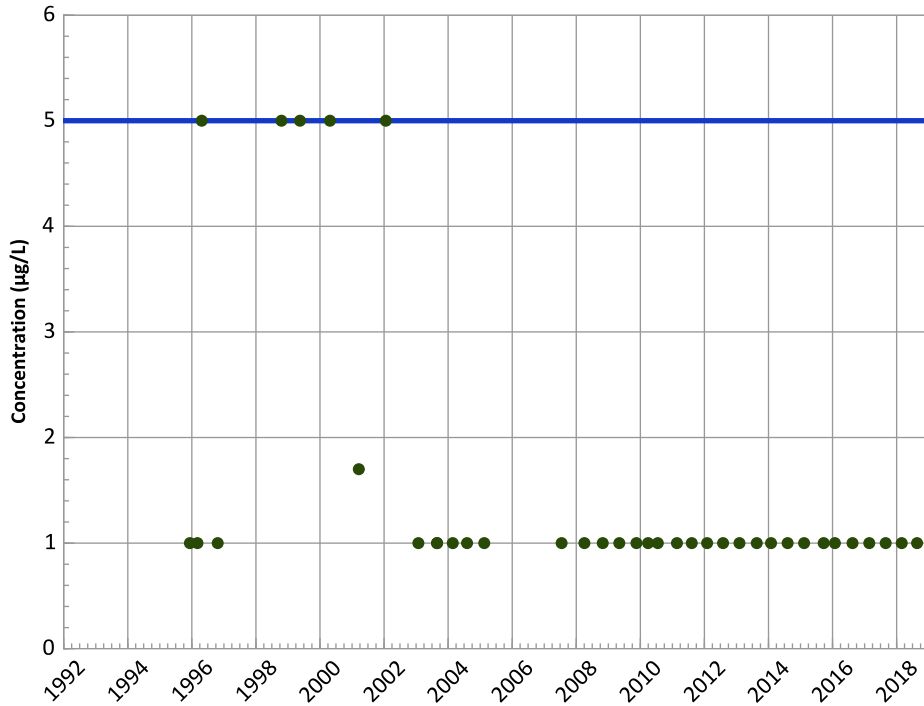
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

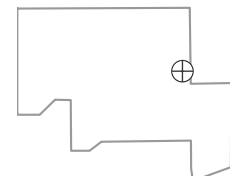
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

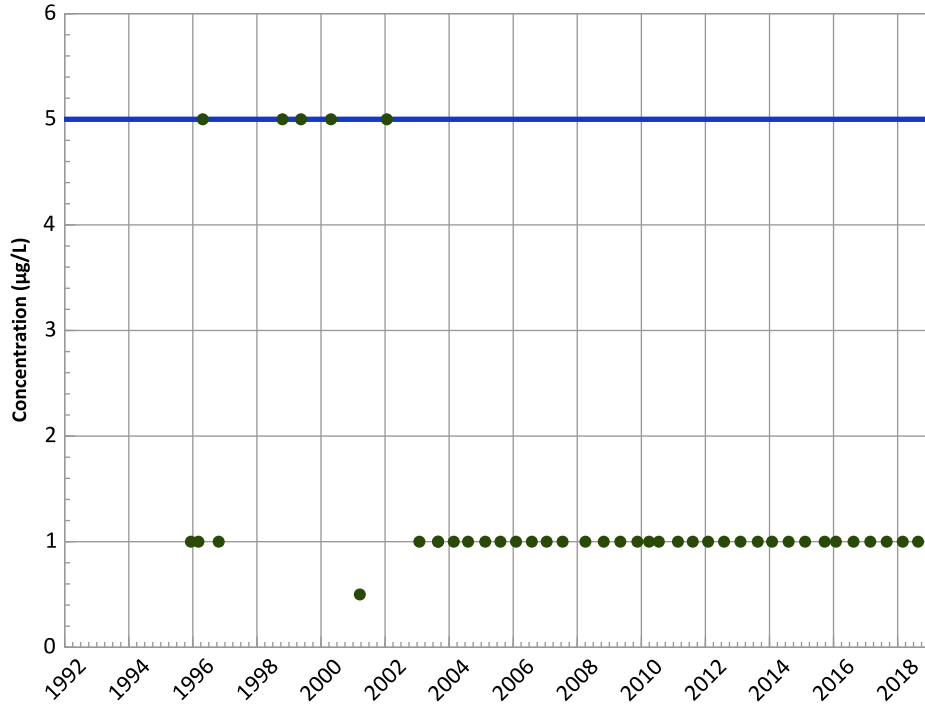
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

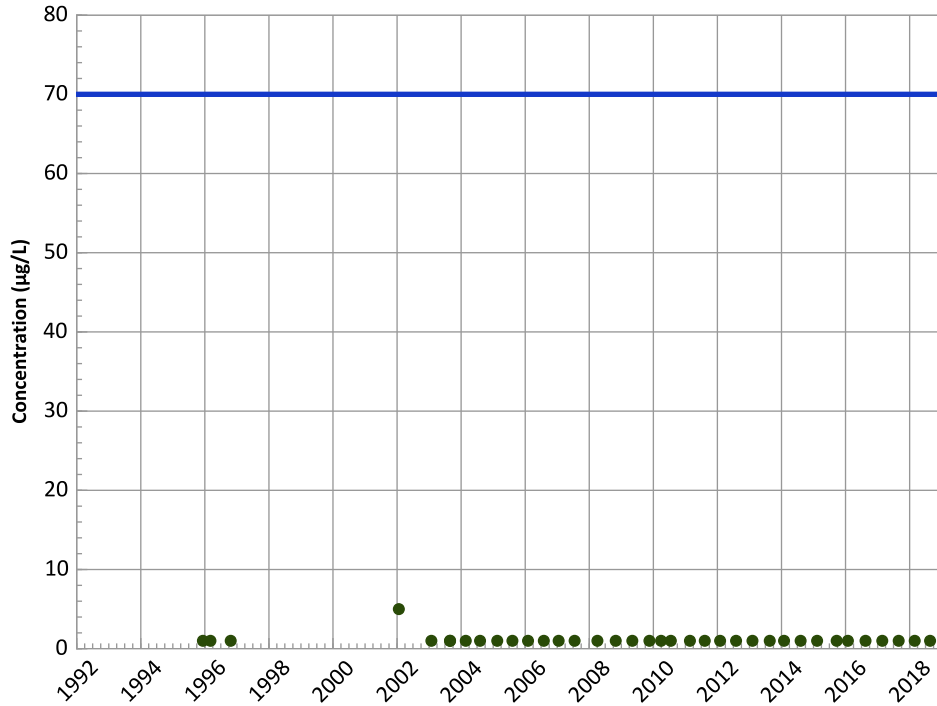
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

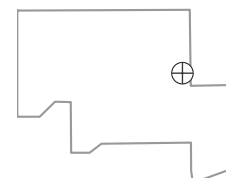
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

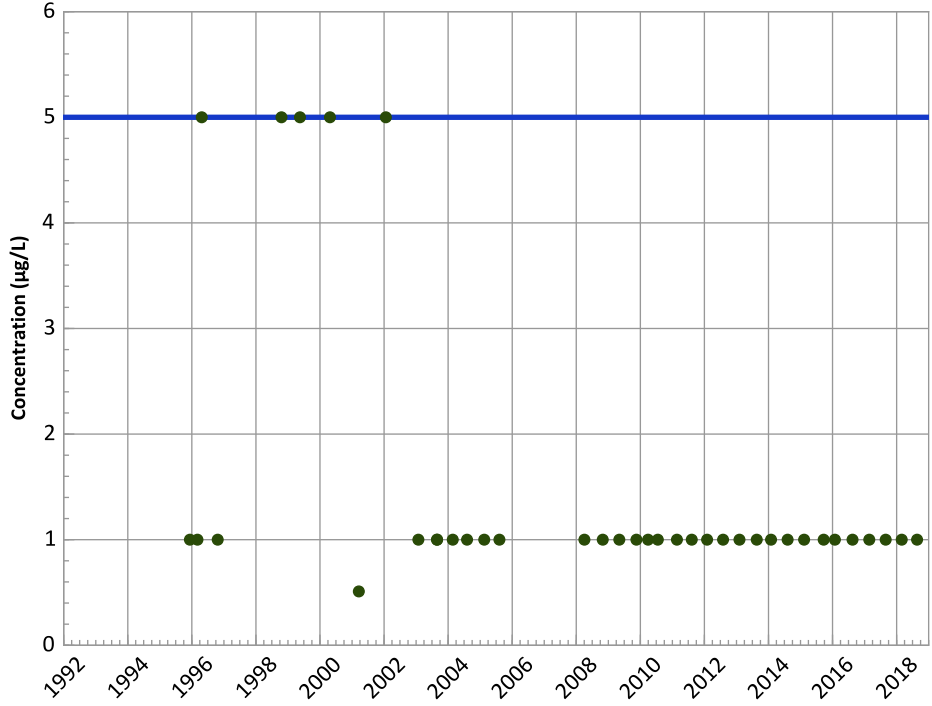


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

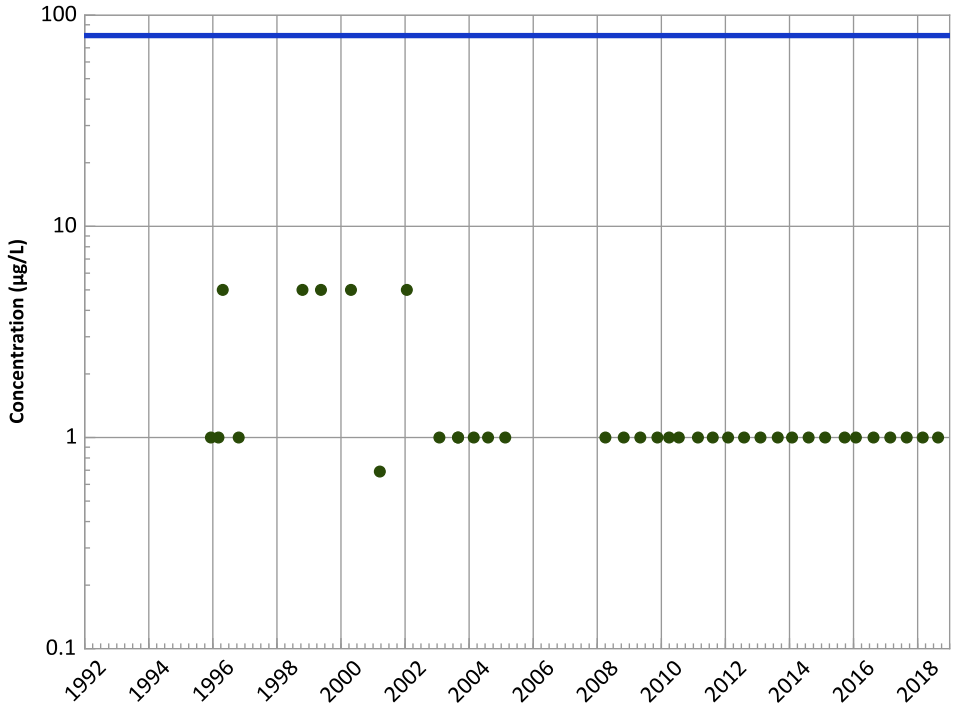
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

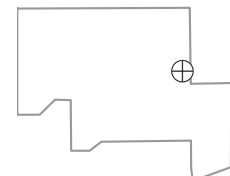
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

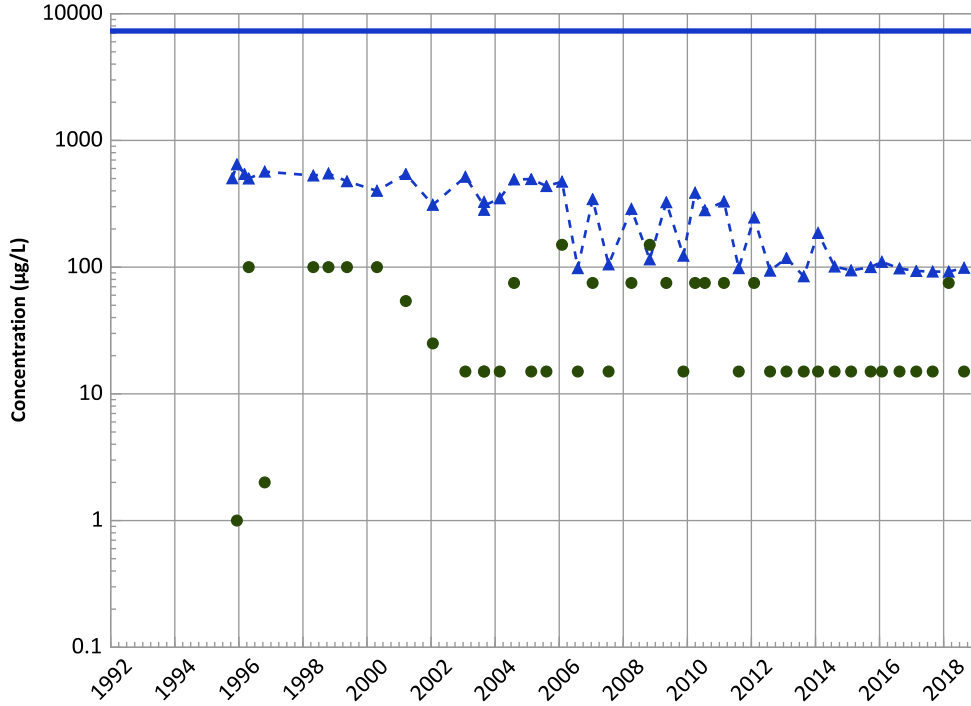
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

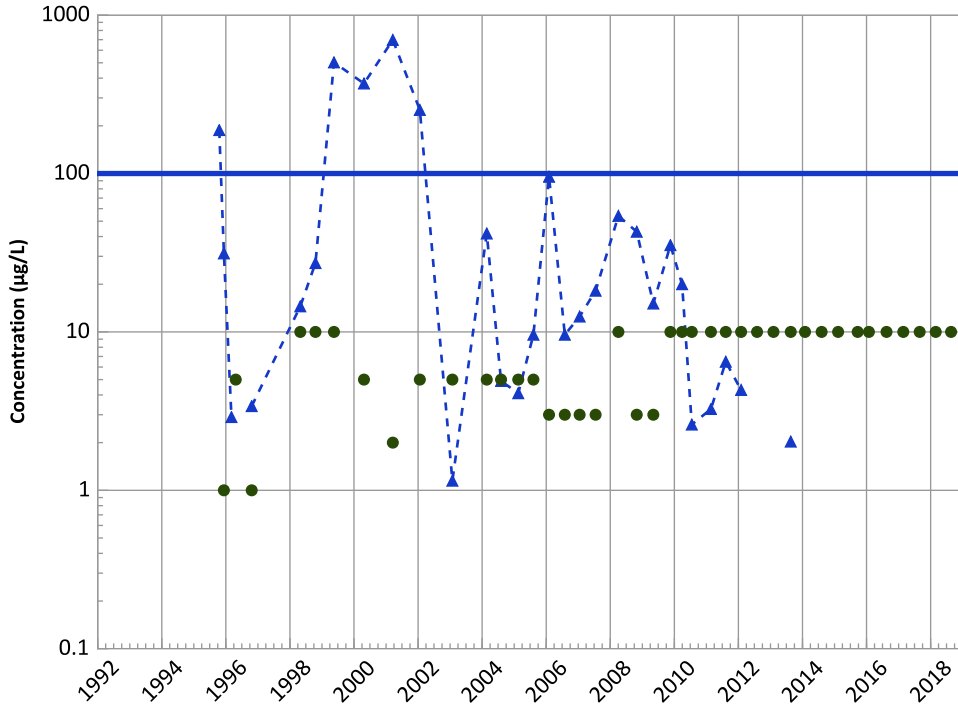
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

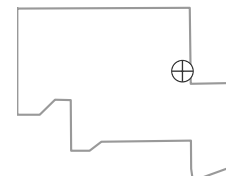
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

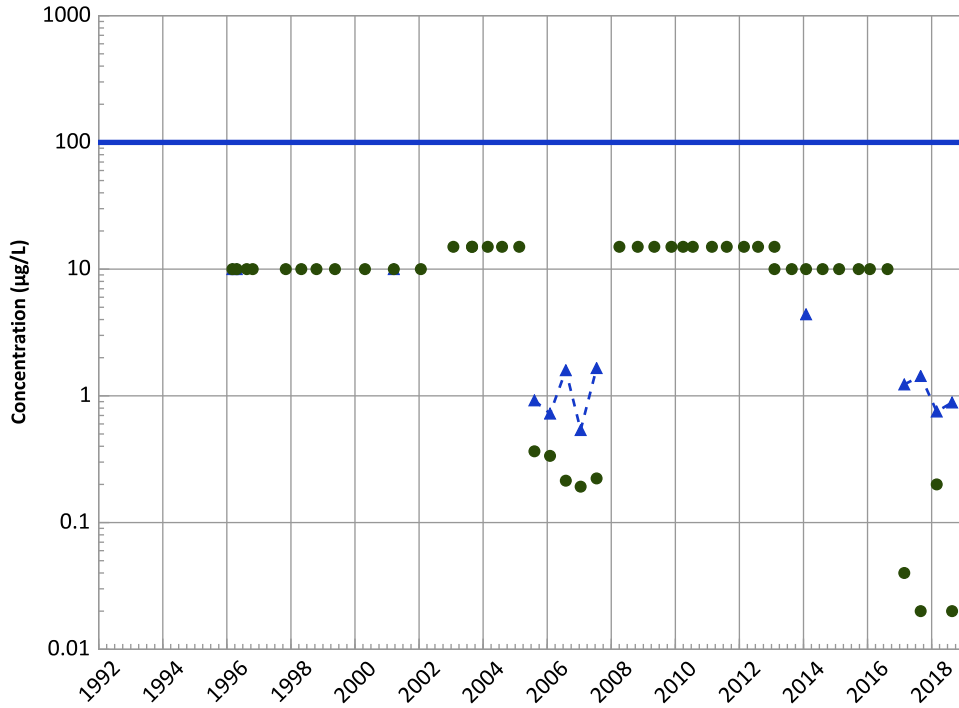
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

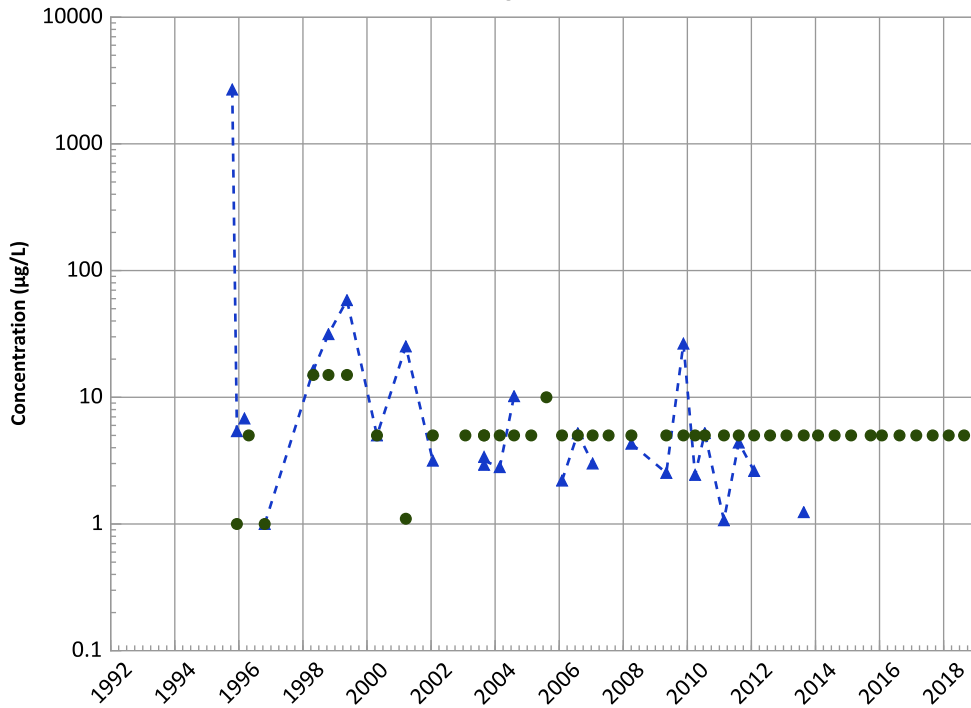


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend

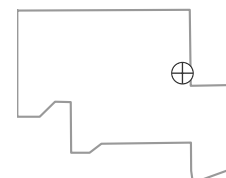


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

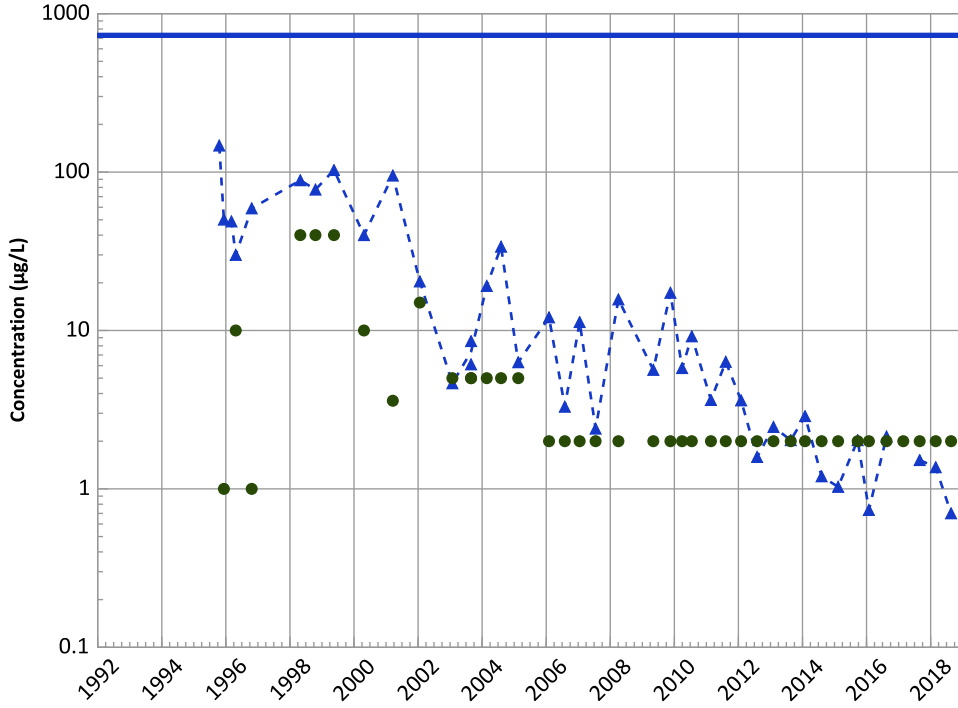


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1023 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

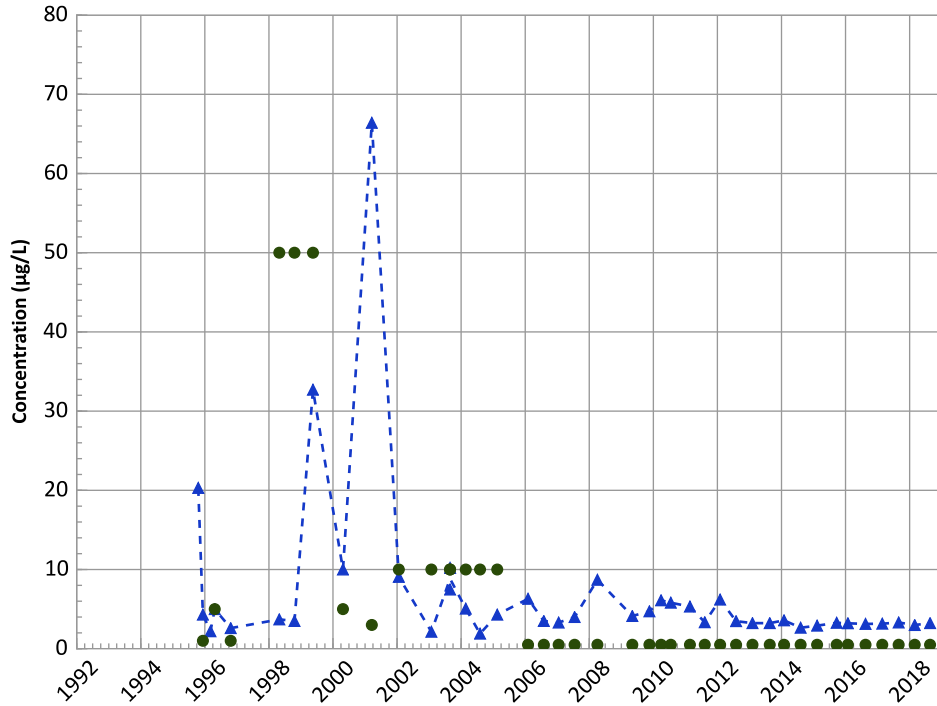
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

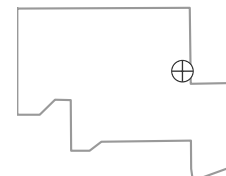
All Data:

Decreasing

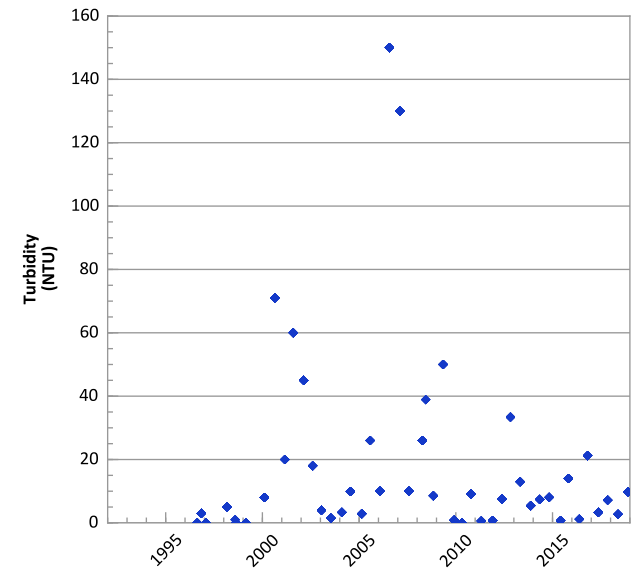
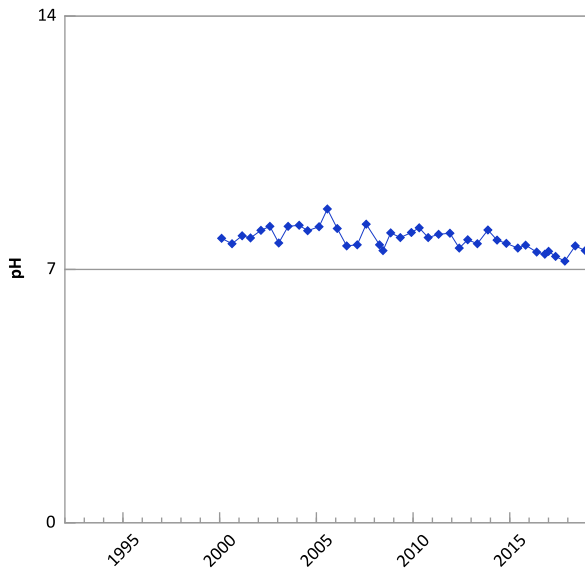
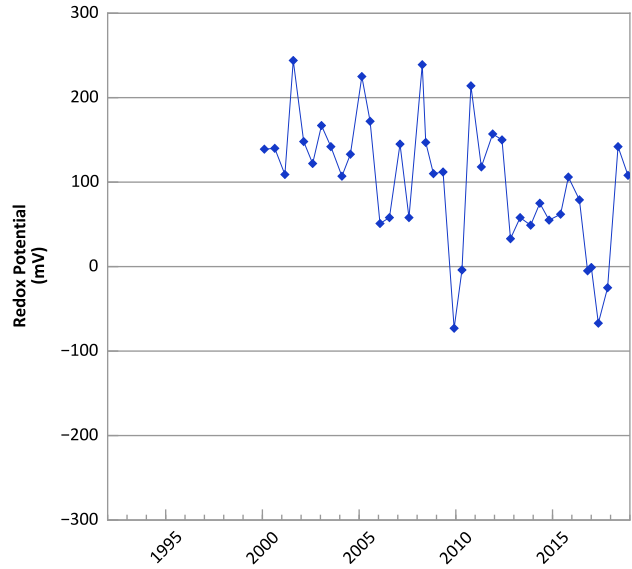
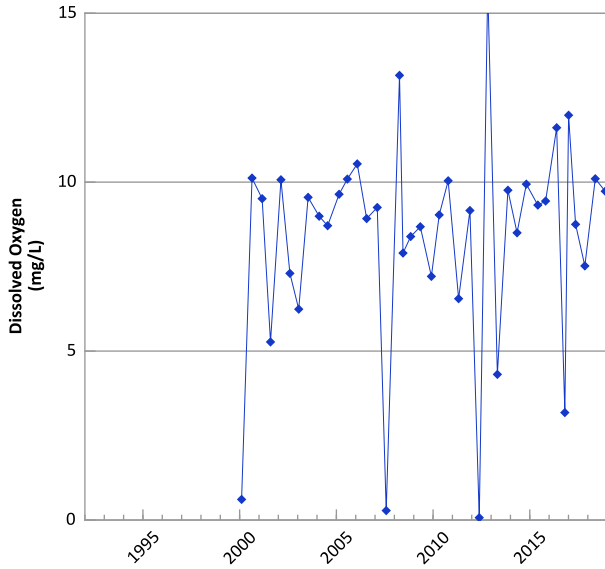
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/18/1995 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

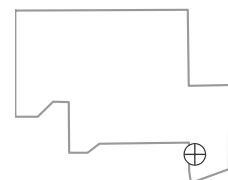


**PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



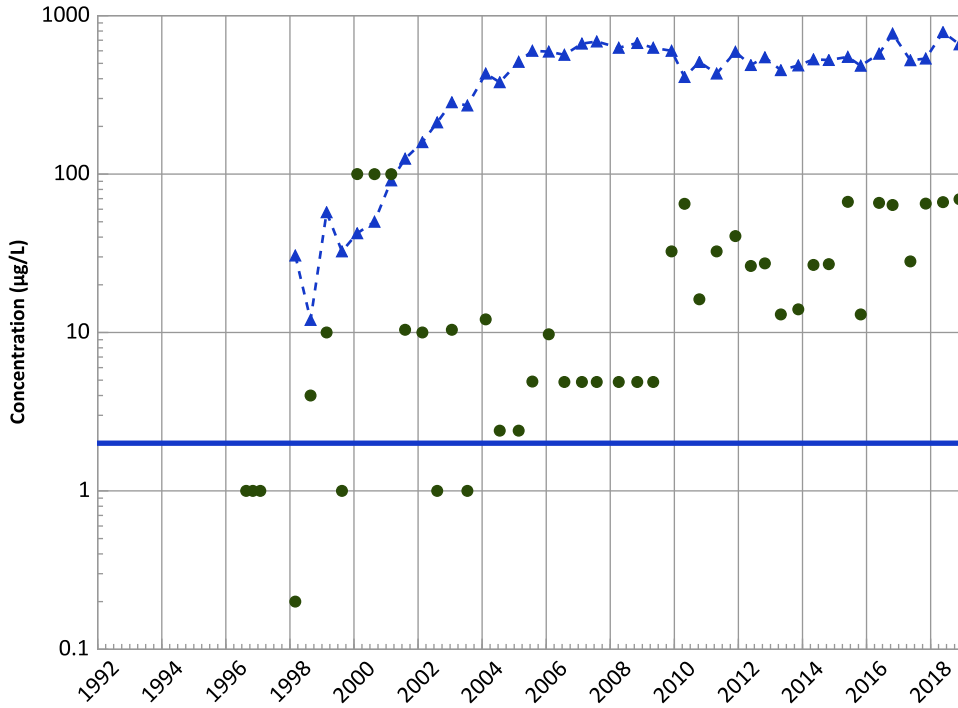
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/20/1996 to 11/26/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

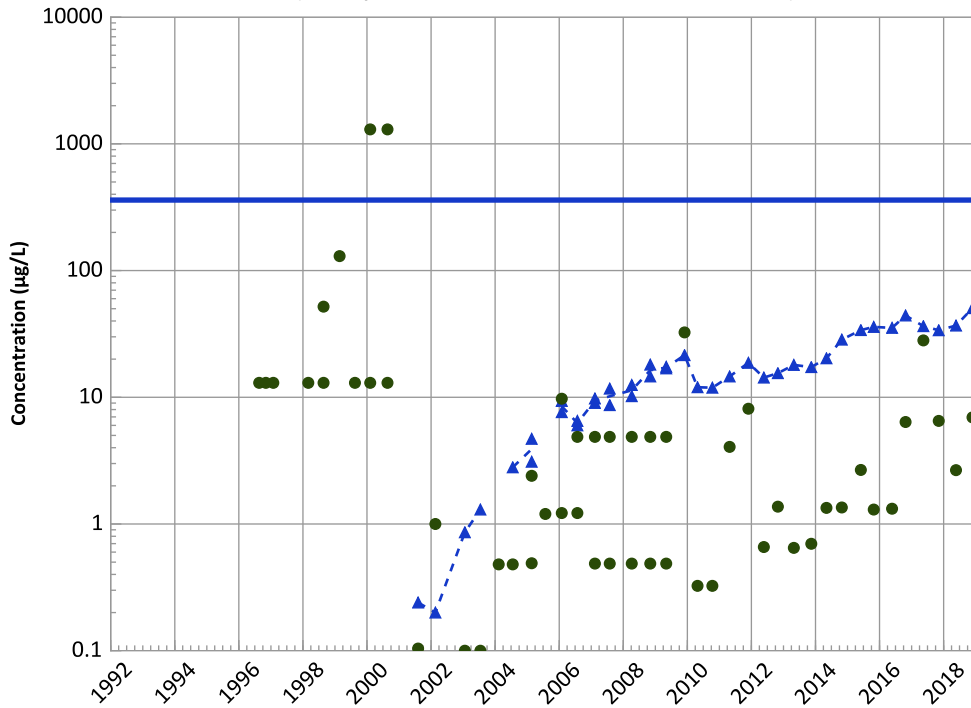
Data (2017 - 2021):

Increasing

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

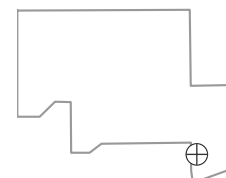
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

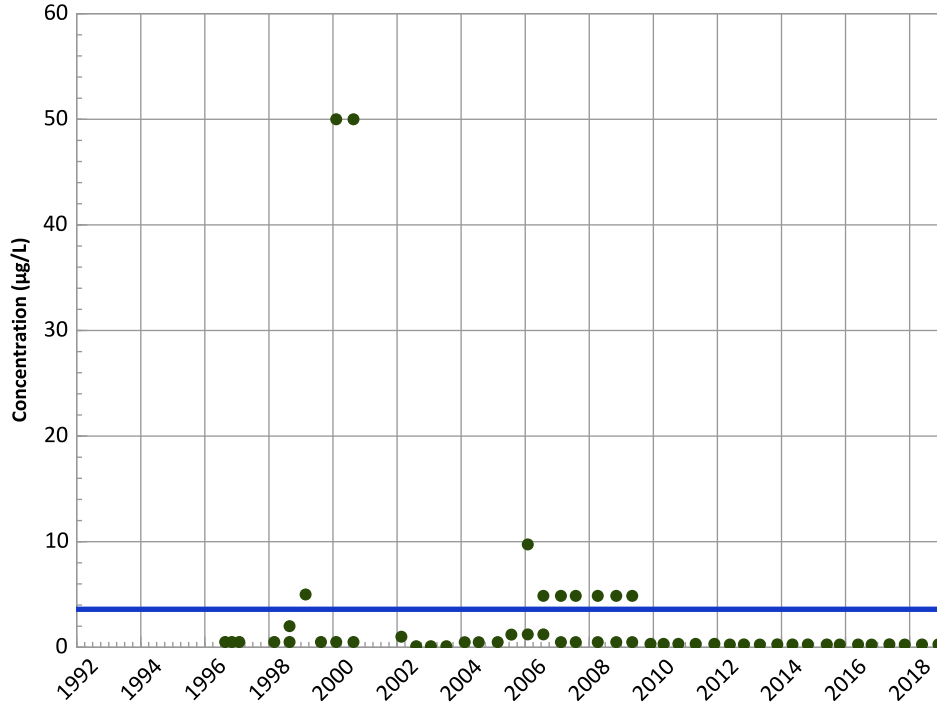
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

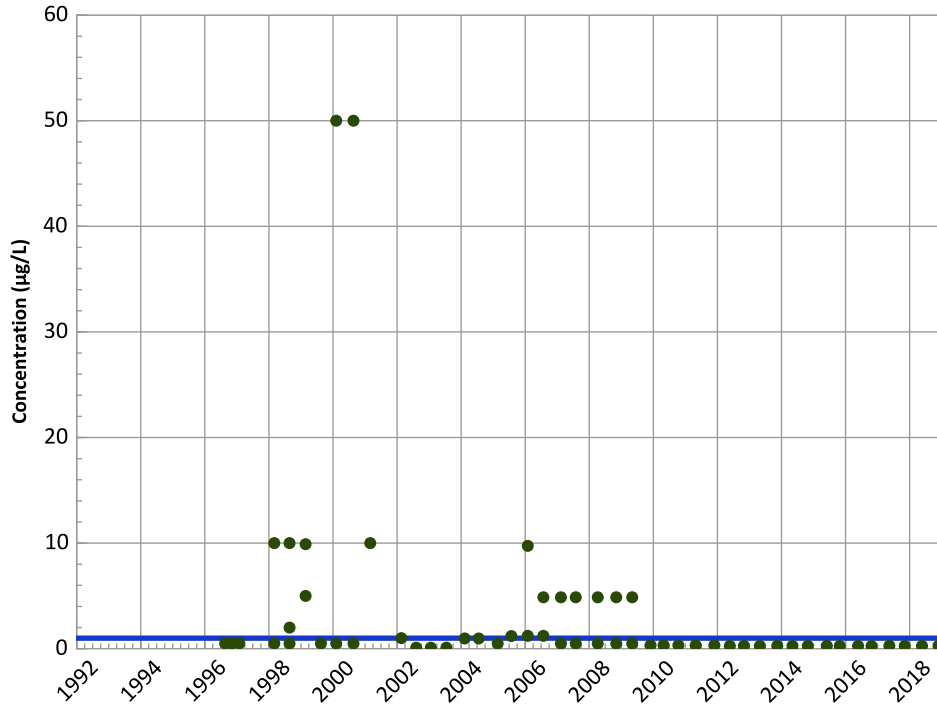
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

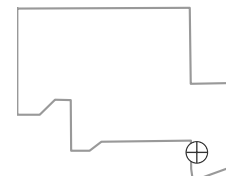
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

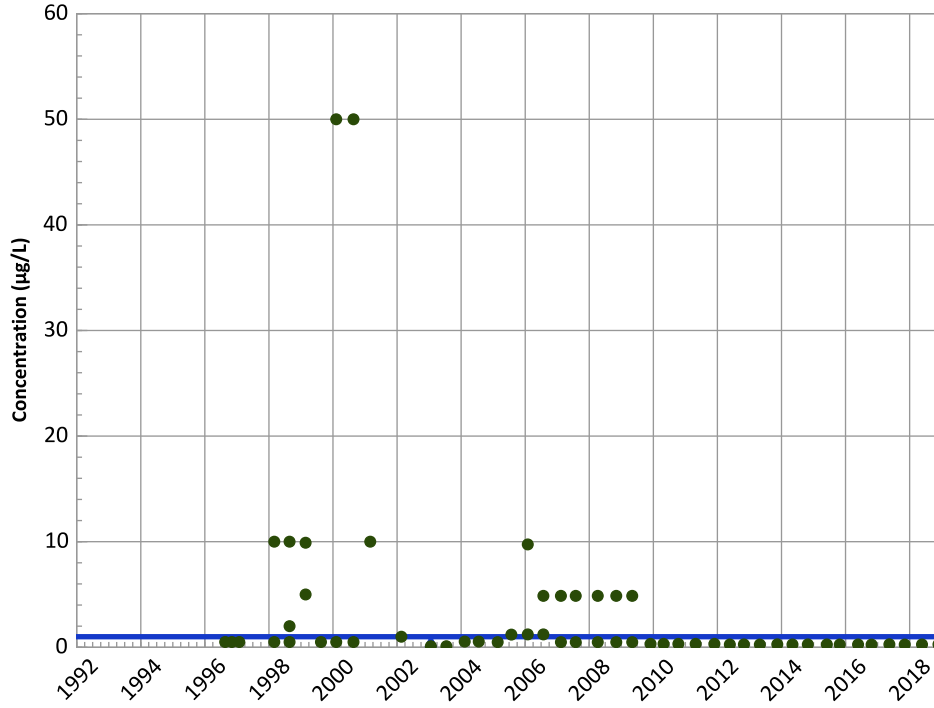
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

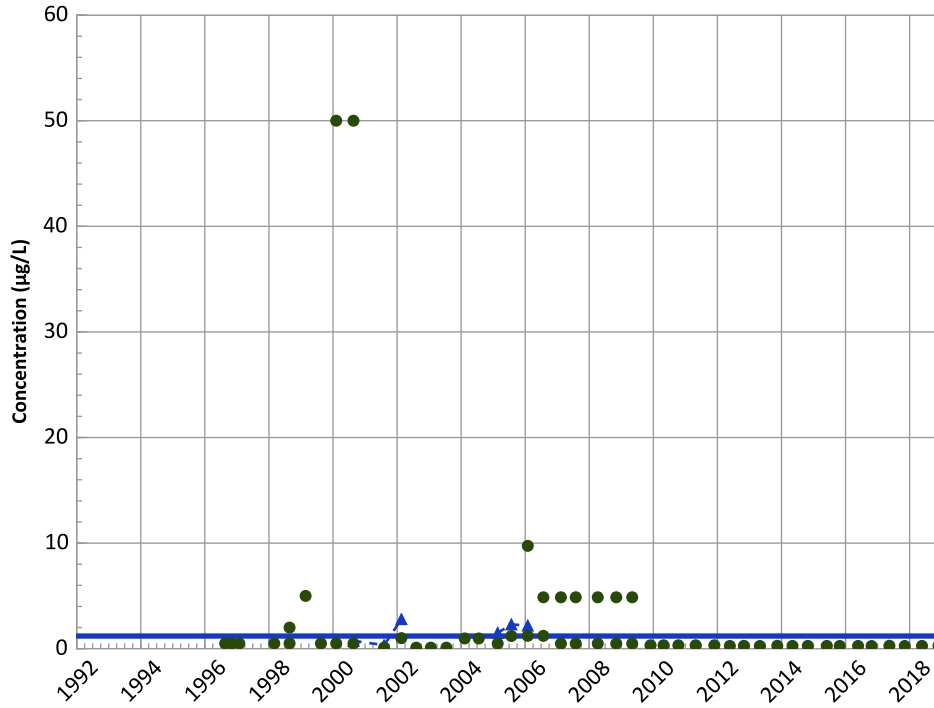
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
Decreasing

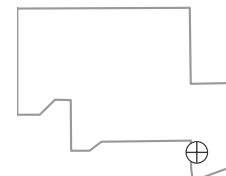
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

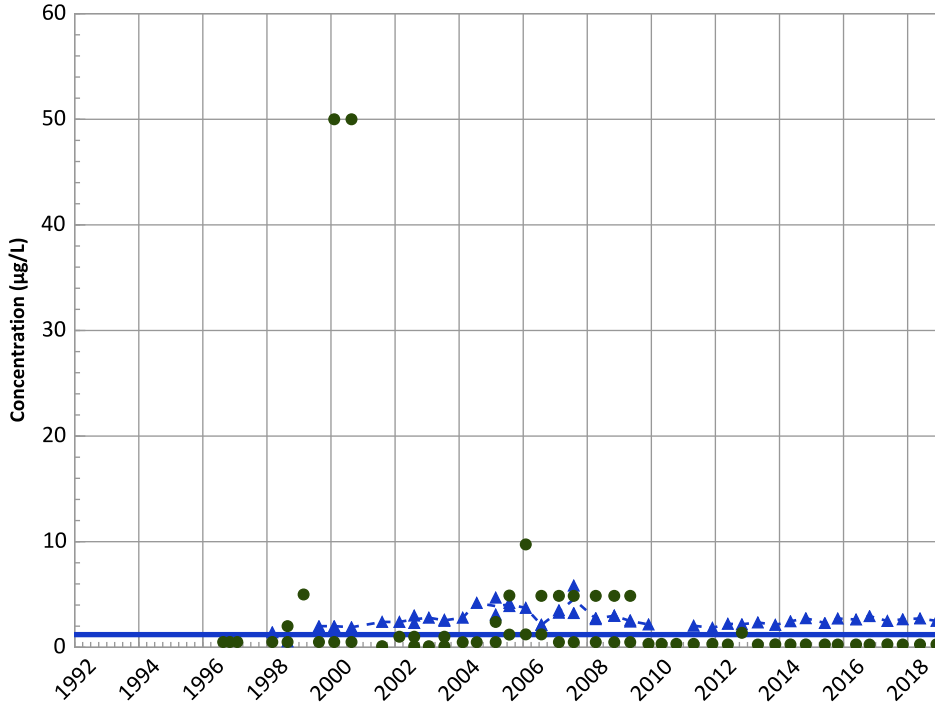
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

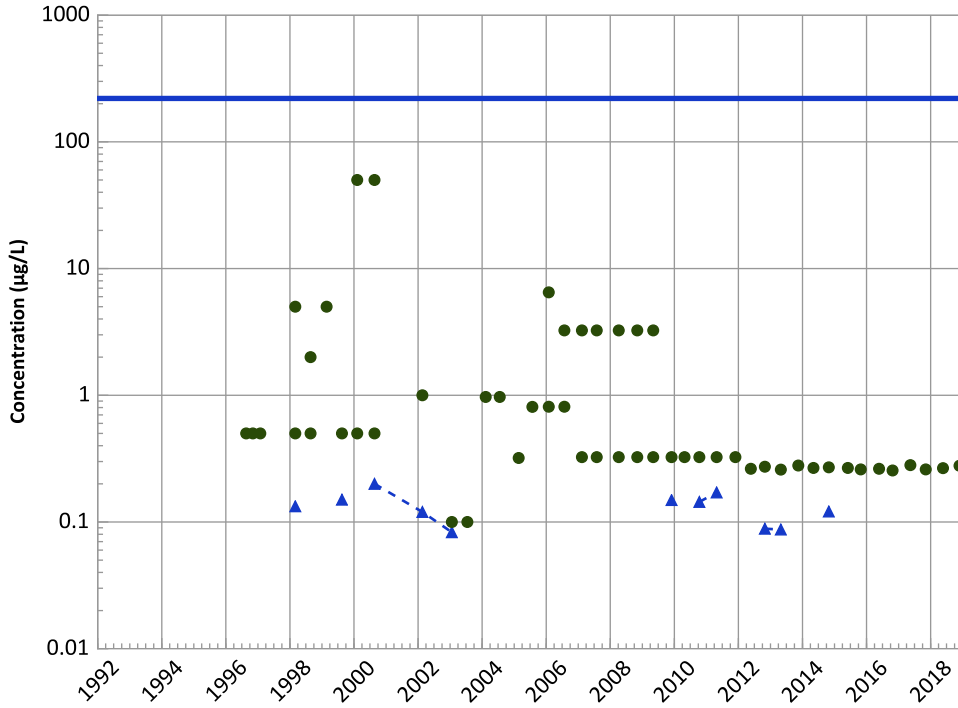
Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

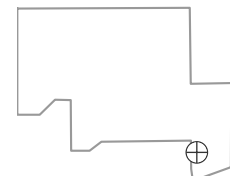
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

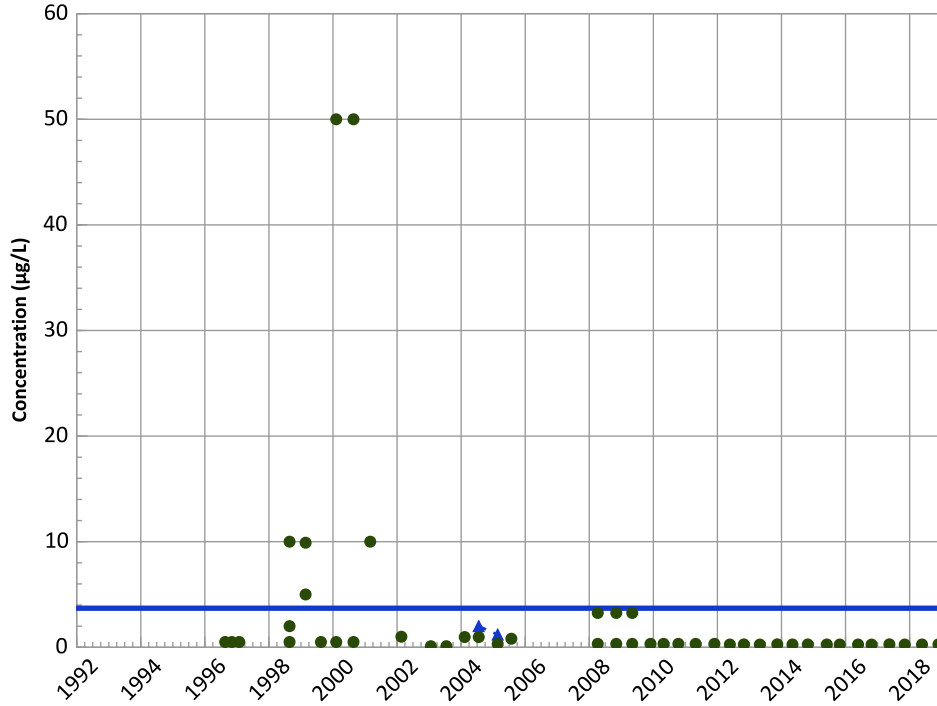
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

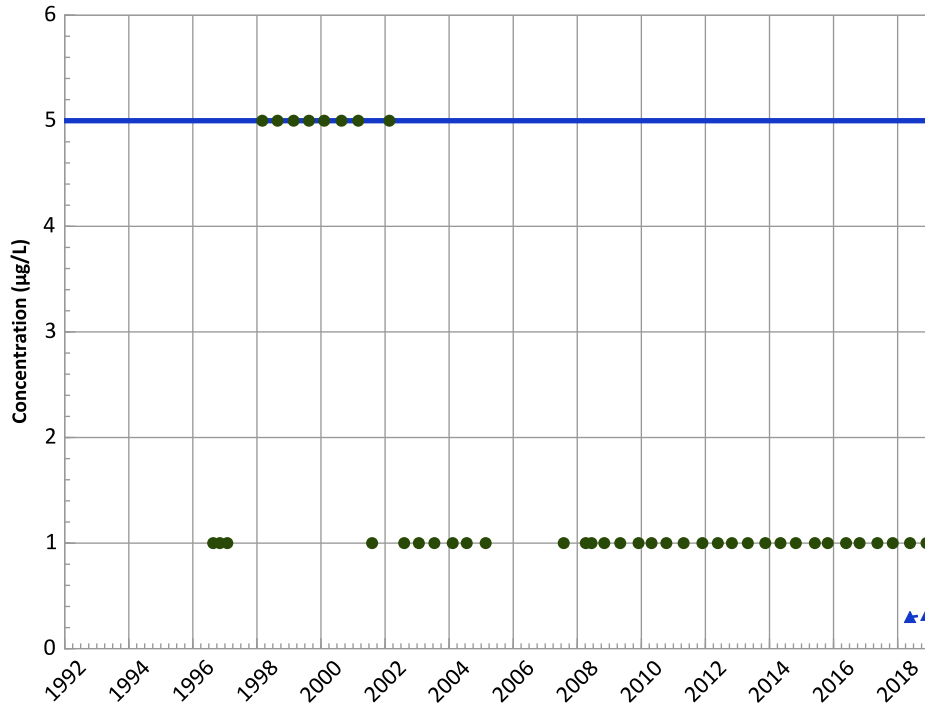
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

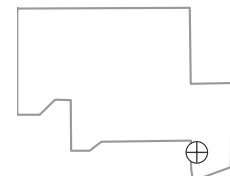
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

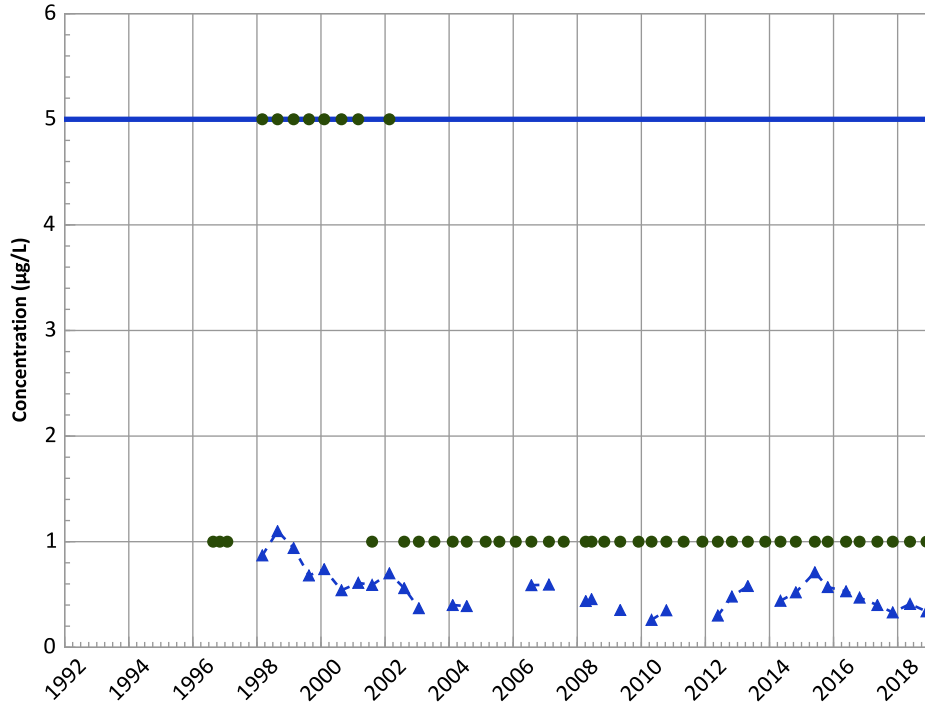


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

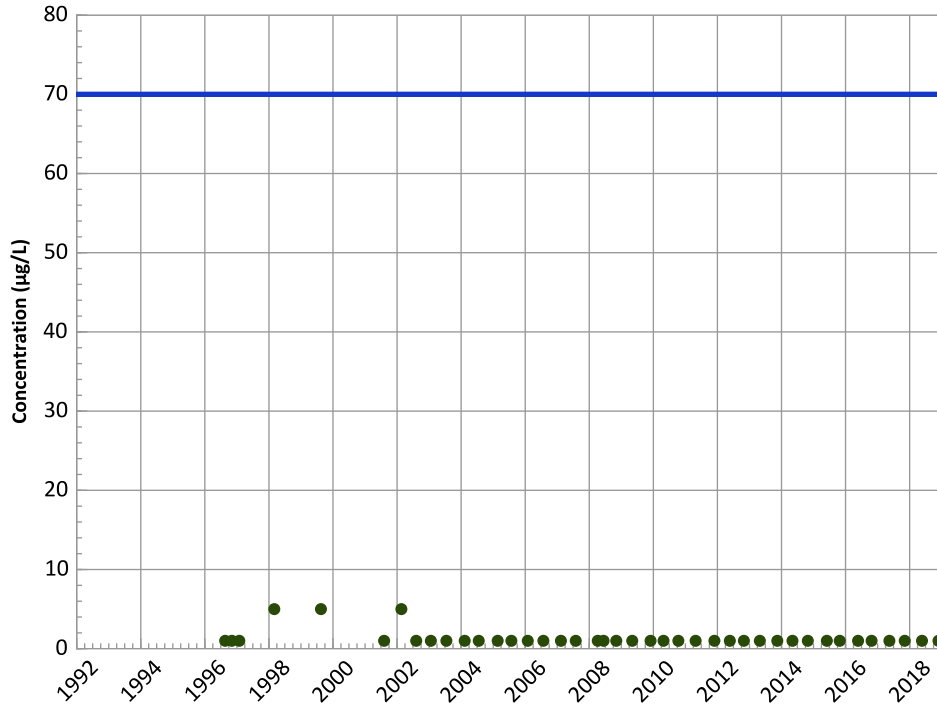
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

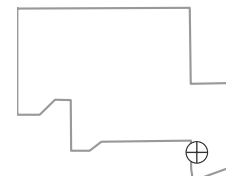
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

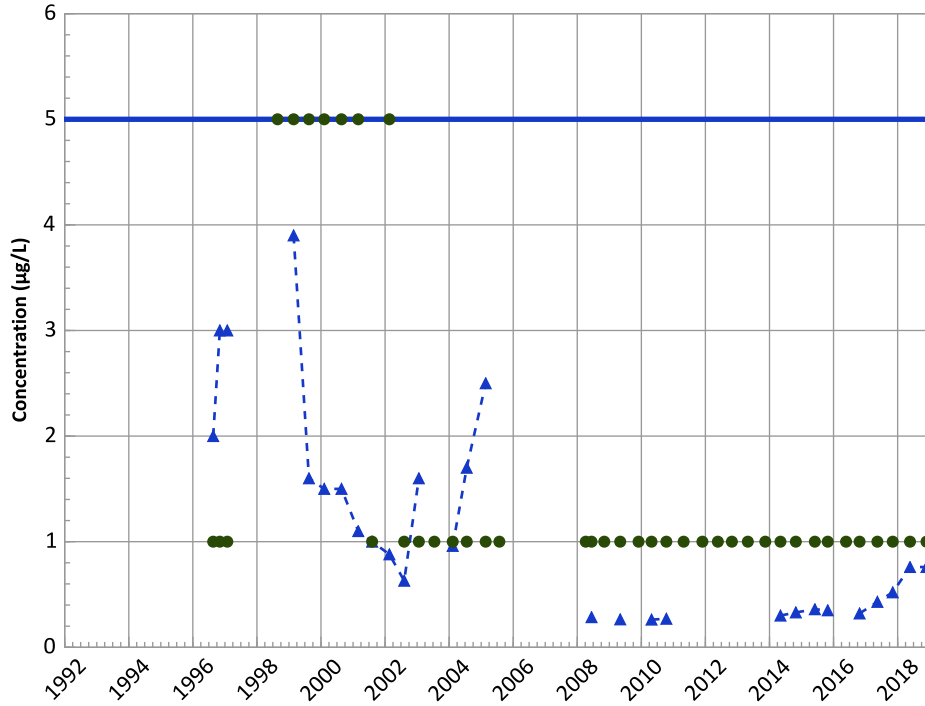
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

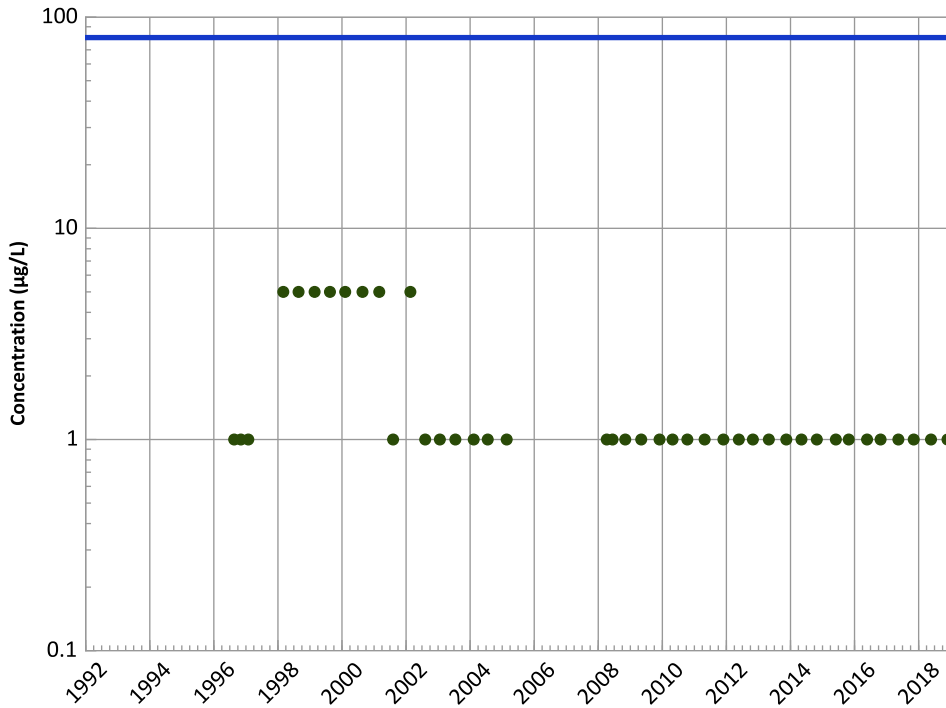
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

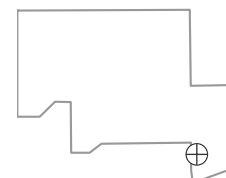
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

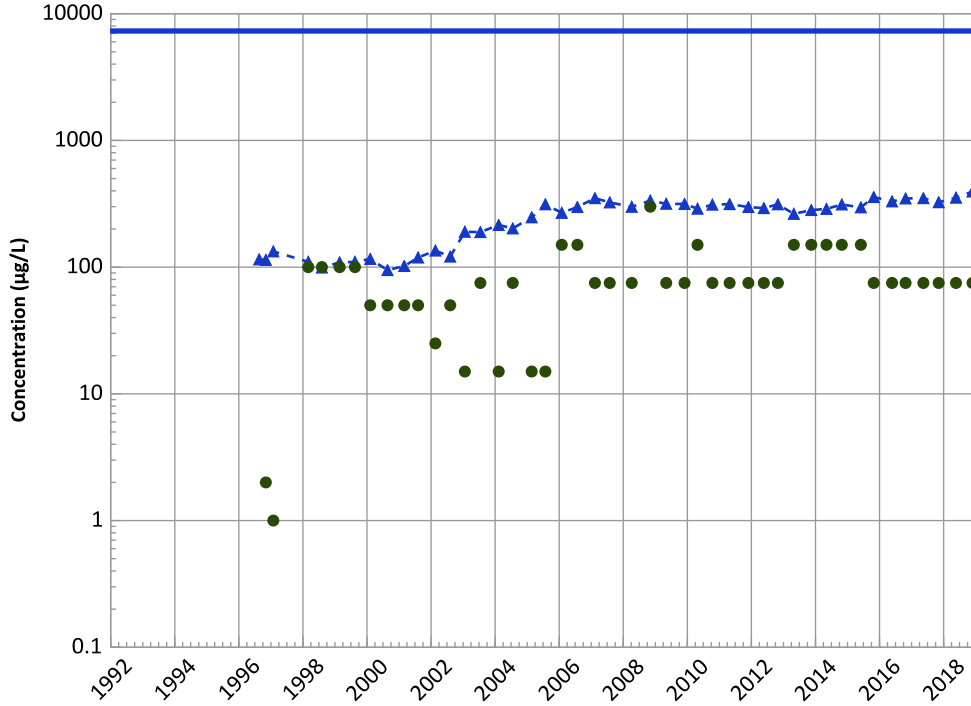


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

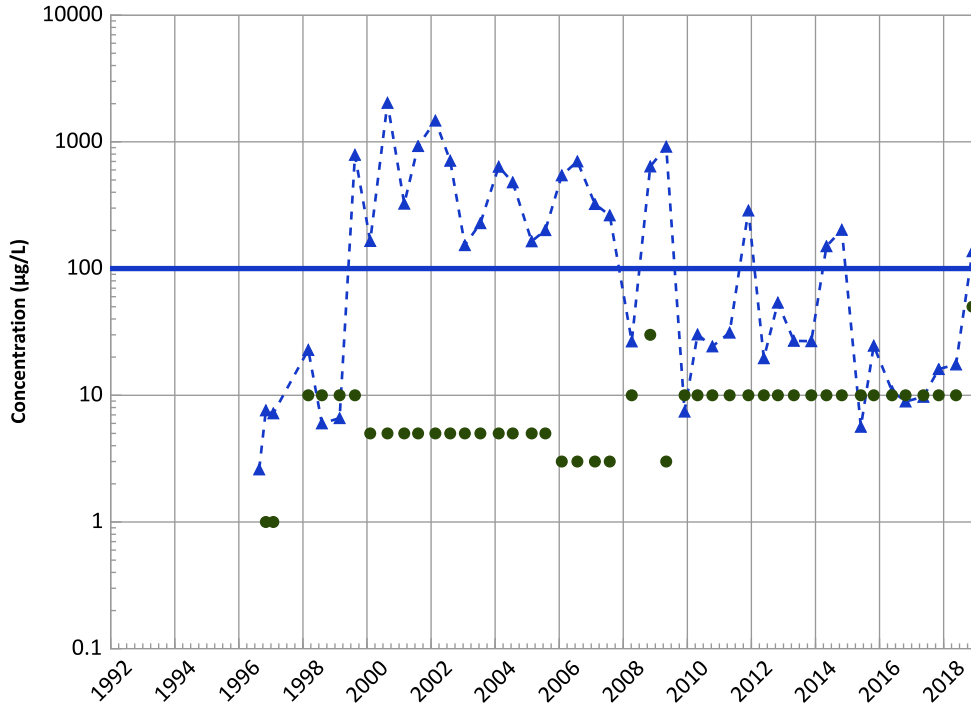


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Chromium, Total Trend



Concentration Trend

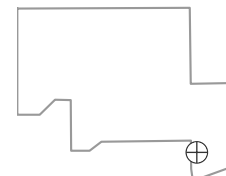
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
No Trend
All Data:
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

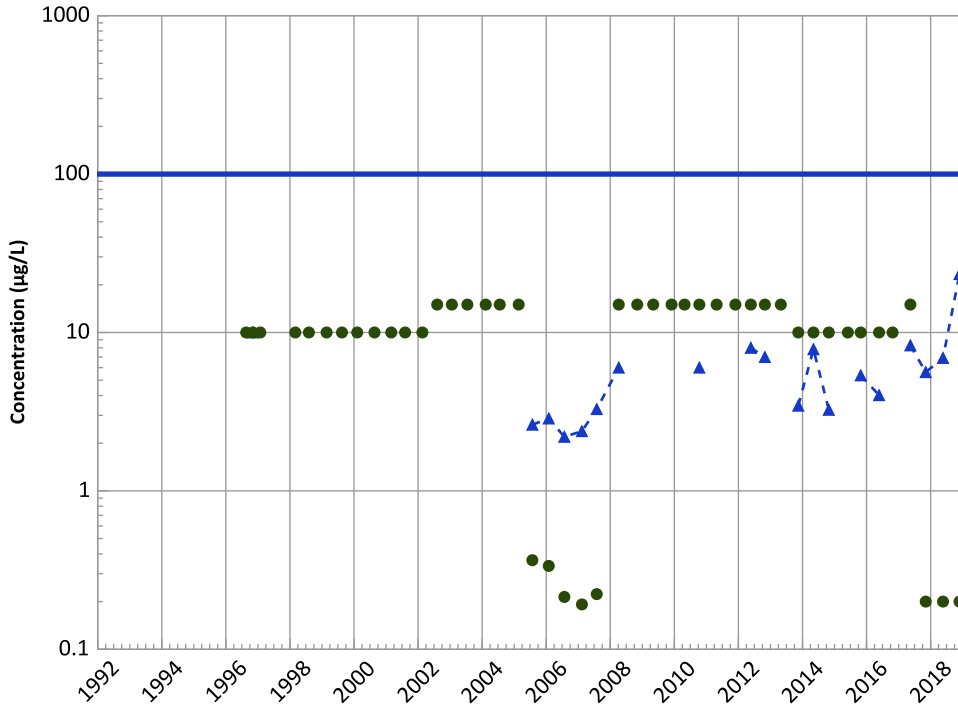
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

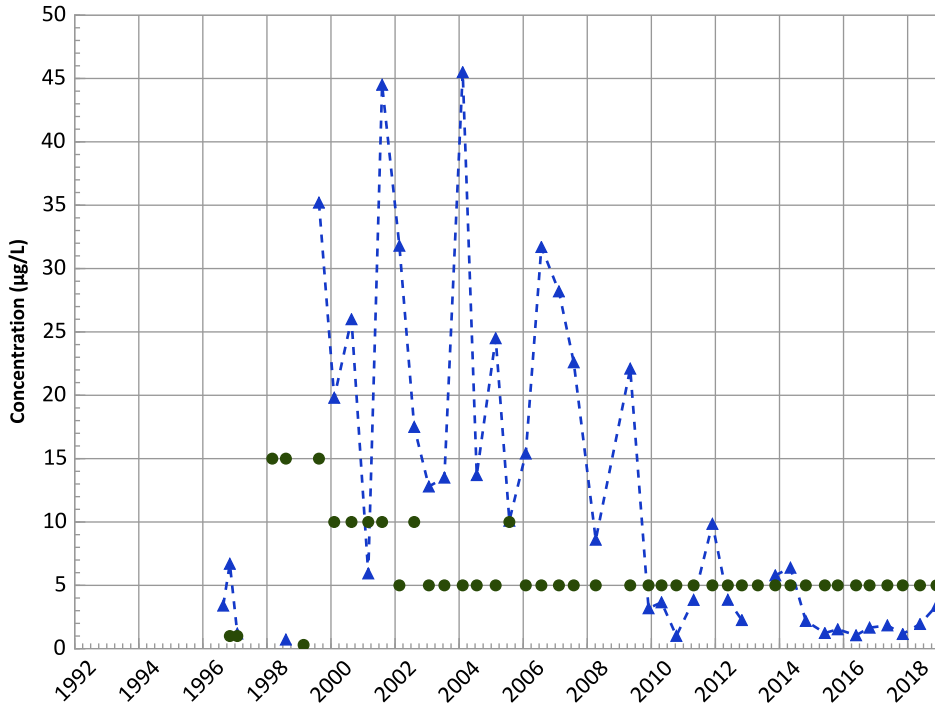
Data (2017 - 2021):

Stable

All Data:

Probably Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

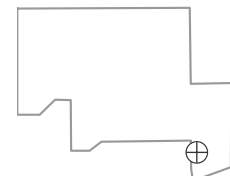
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

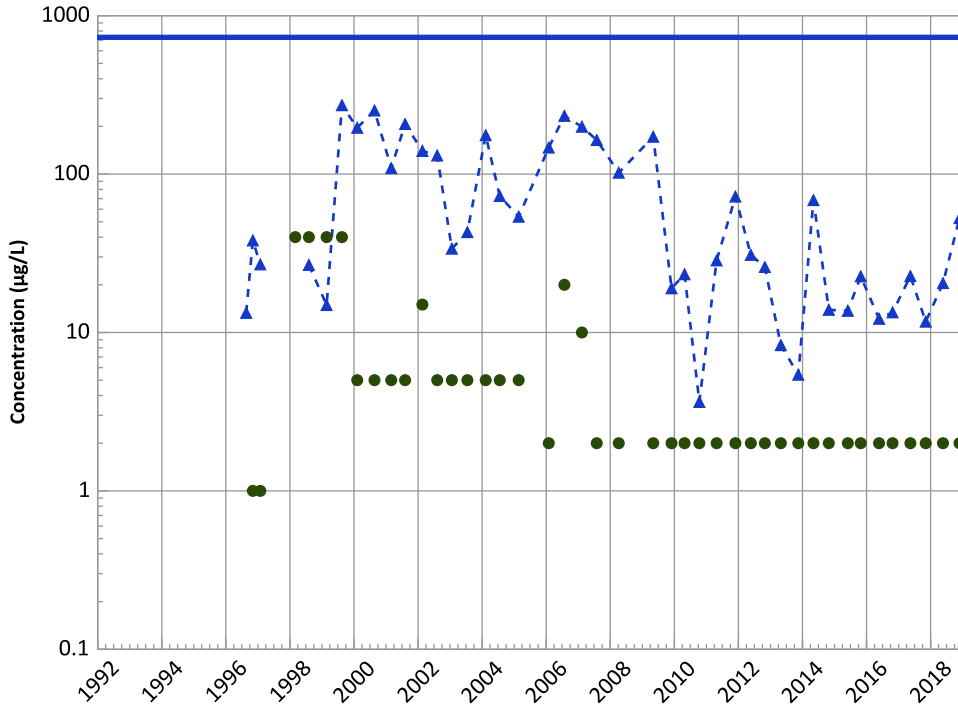


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1031 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

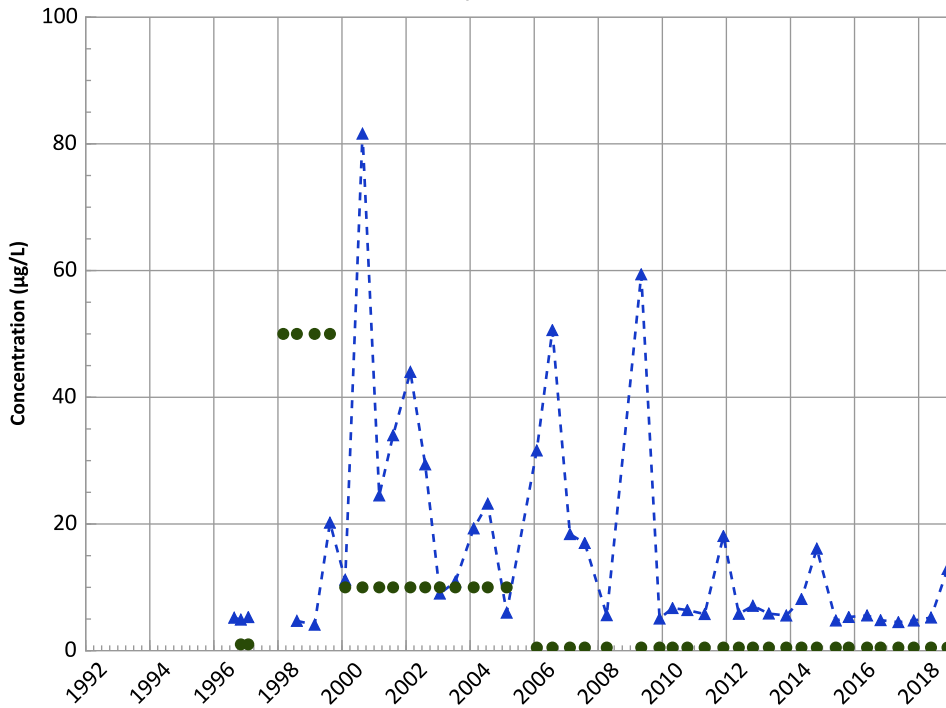
Data (2017 - 2021):

Stable

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

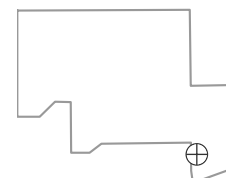
Data (2017 - 2021):

Stable

All Data:

Decreasing

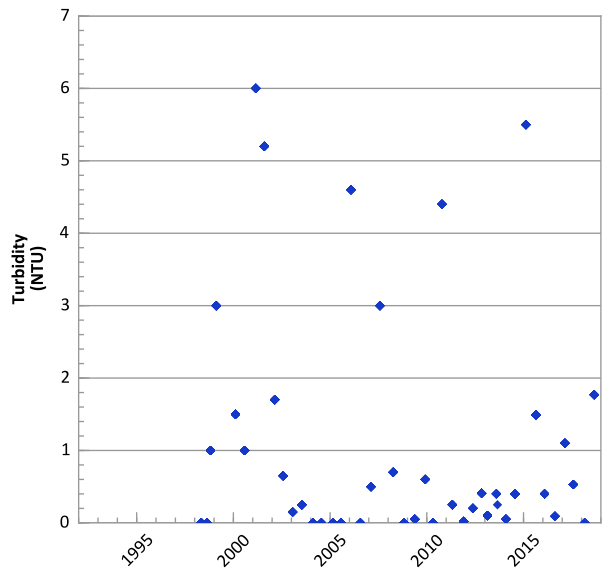
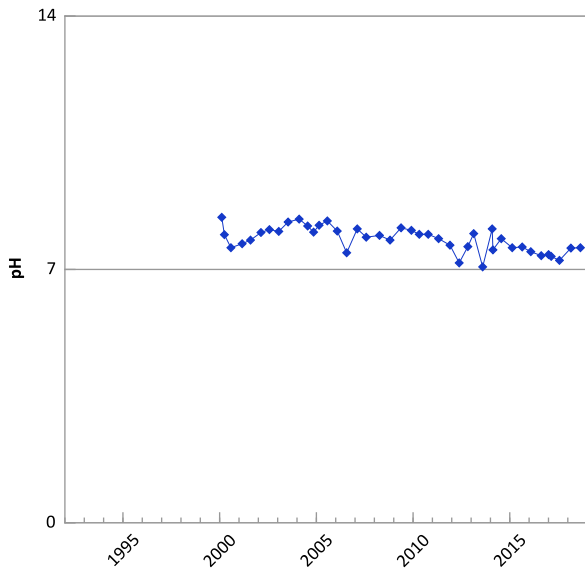
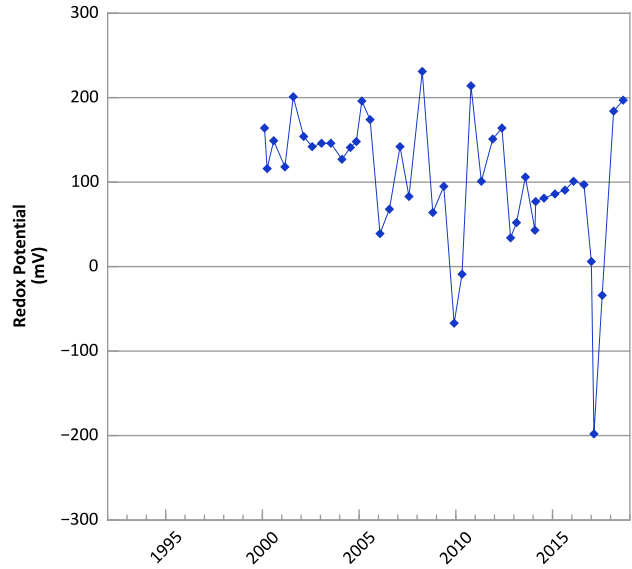
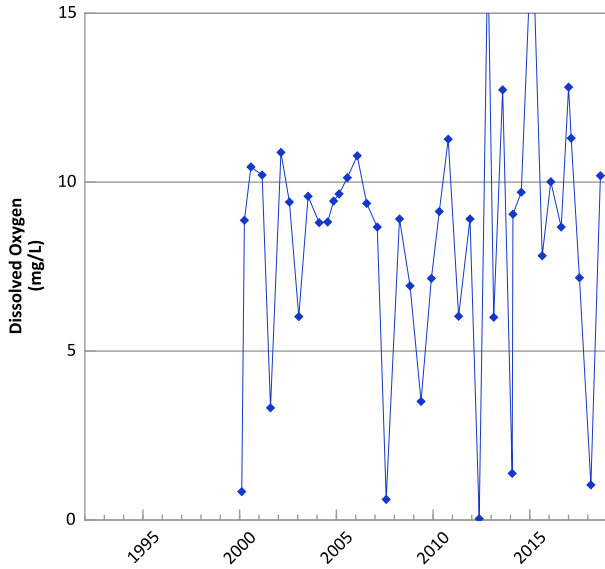
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/1996 to 11/26/2018
Analysis Date: 02/14/2019

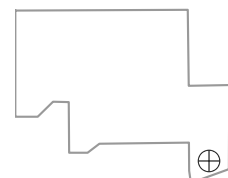
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



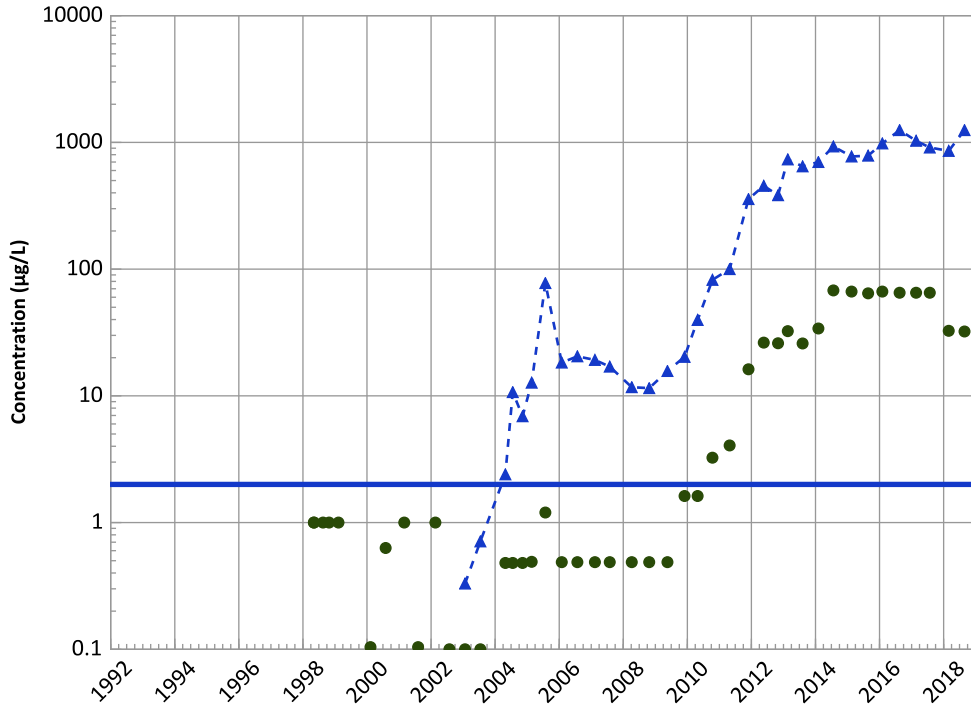
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 02/26/1998 to 08/27/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

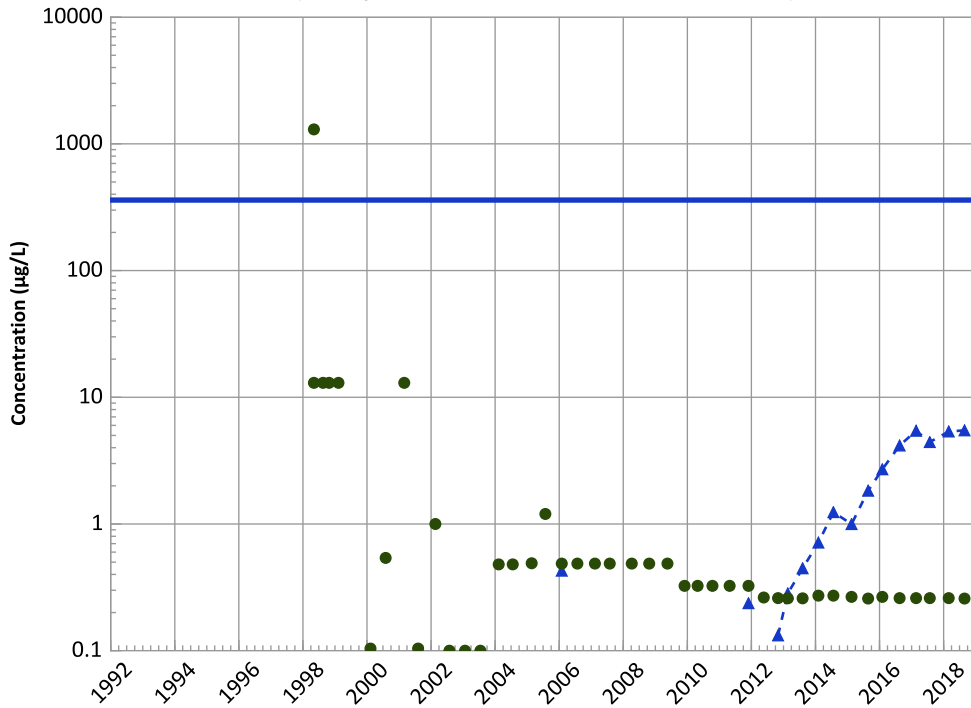


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

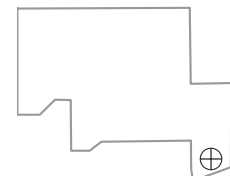


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Well Location

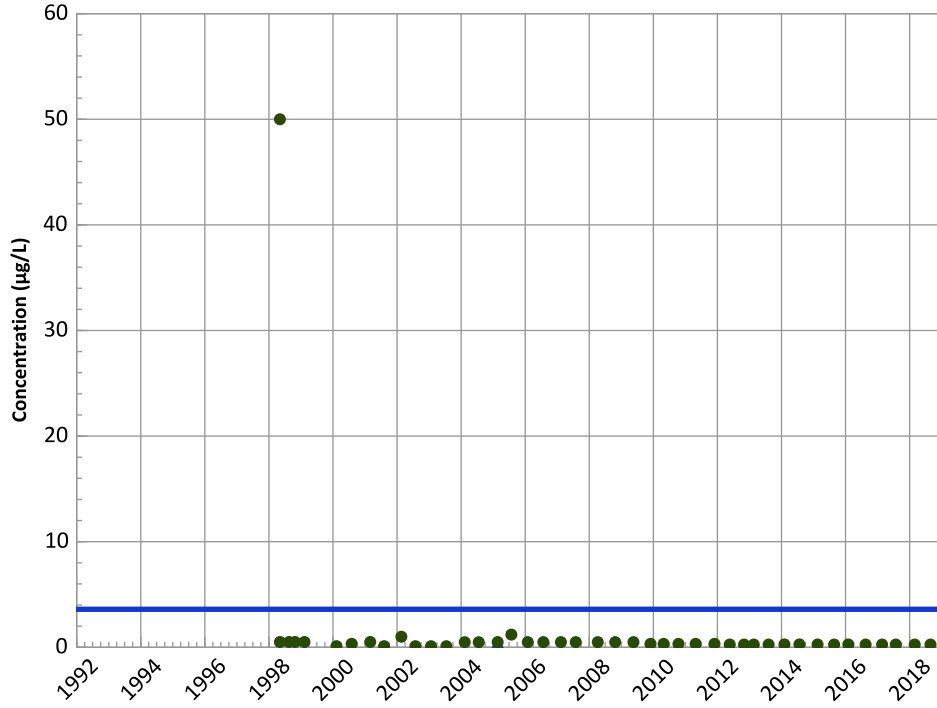


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

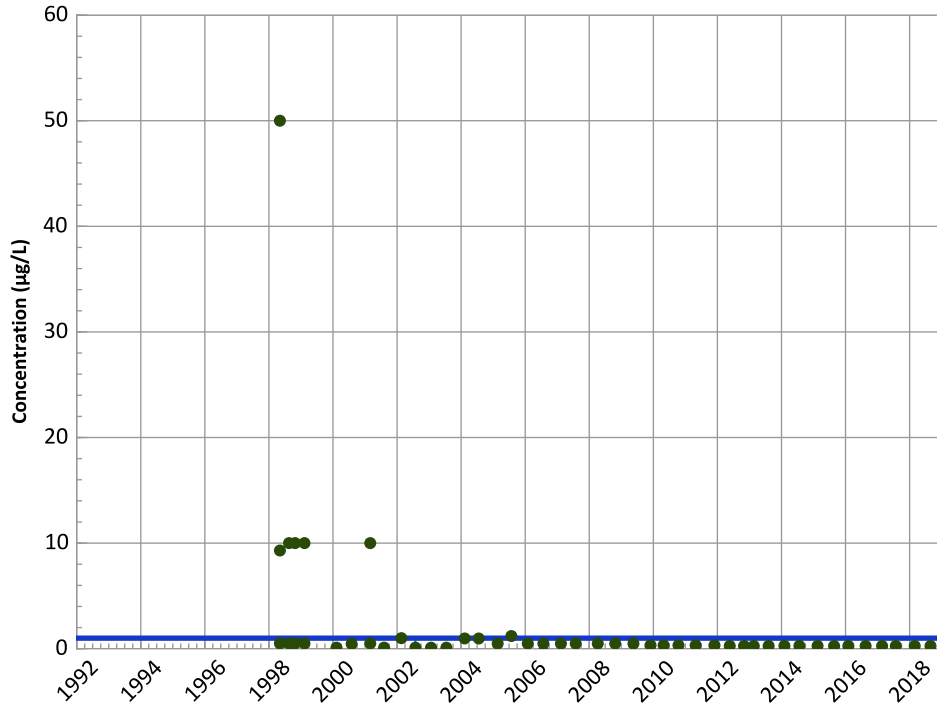
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

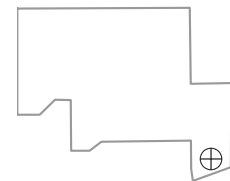
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Well Location

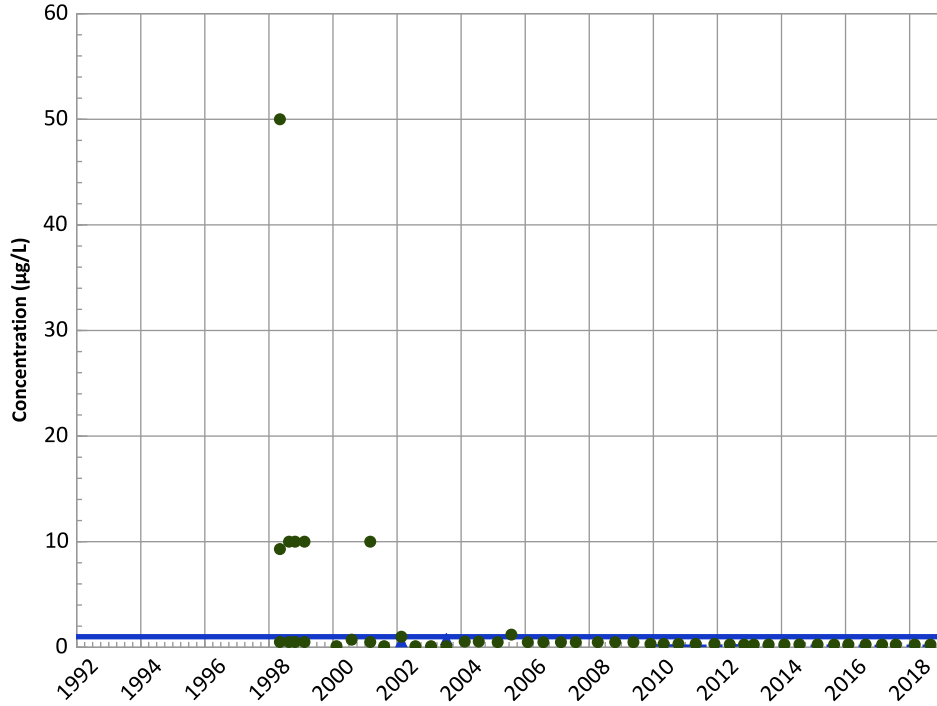


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

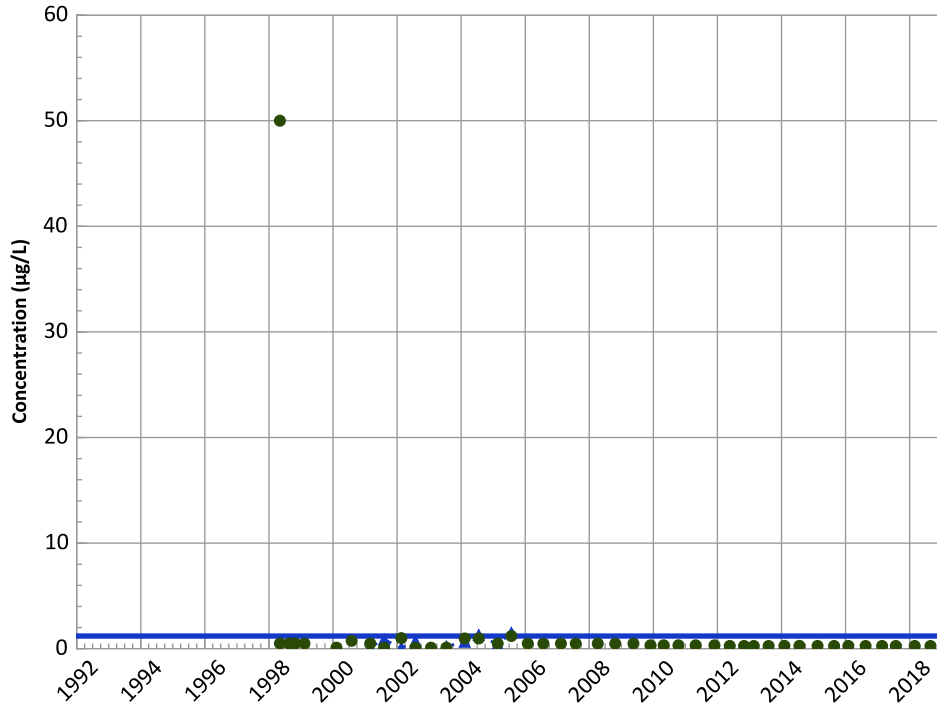
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

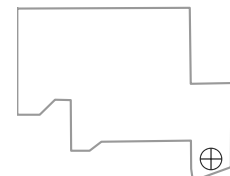
Data (2017 - 2021):

All Non-Detect

All Data:

Probably Increasing

Well Location

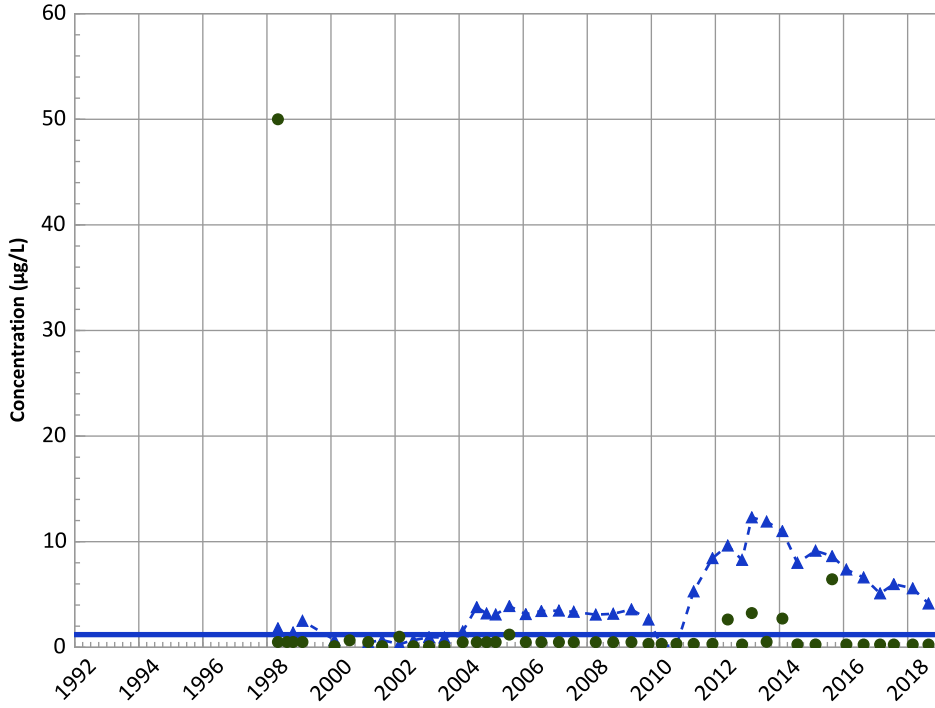


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

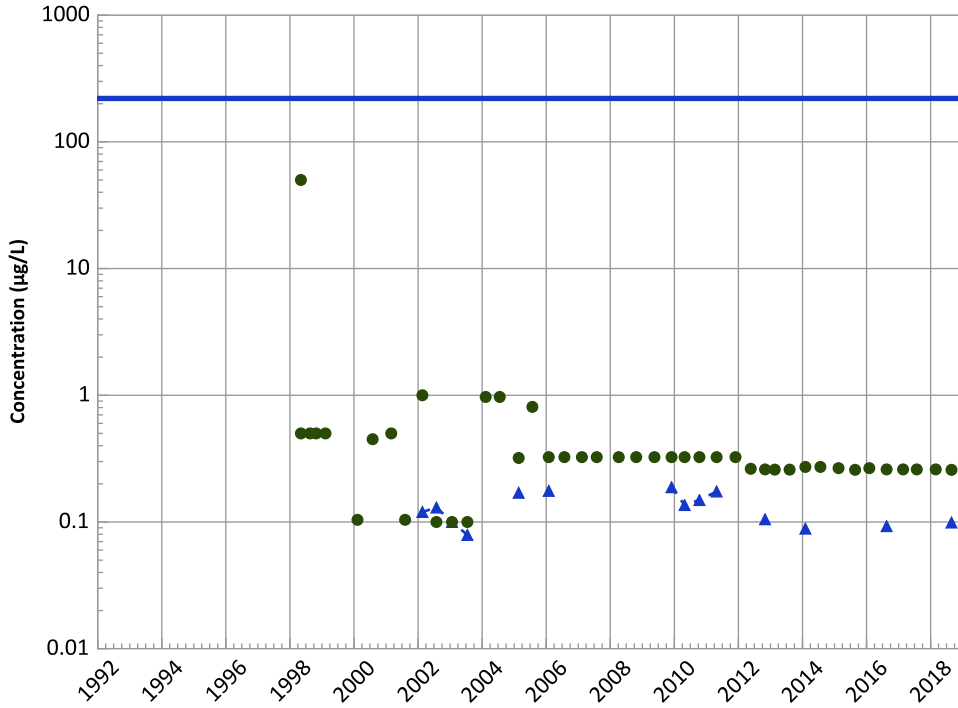
Data (2017 - 2021):

Decreasing

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

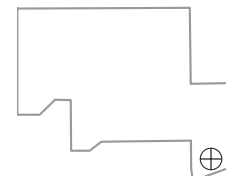
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

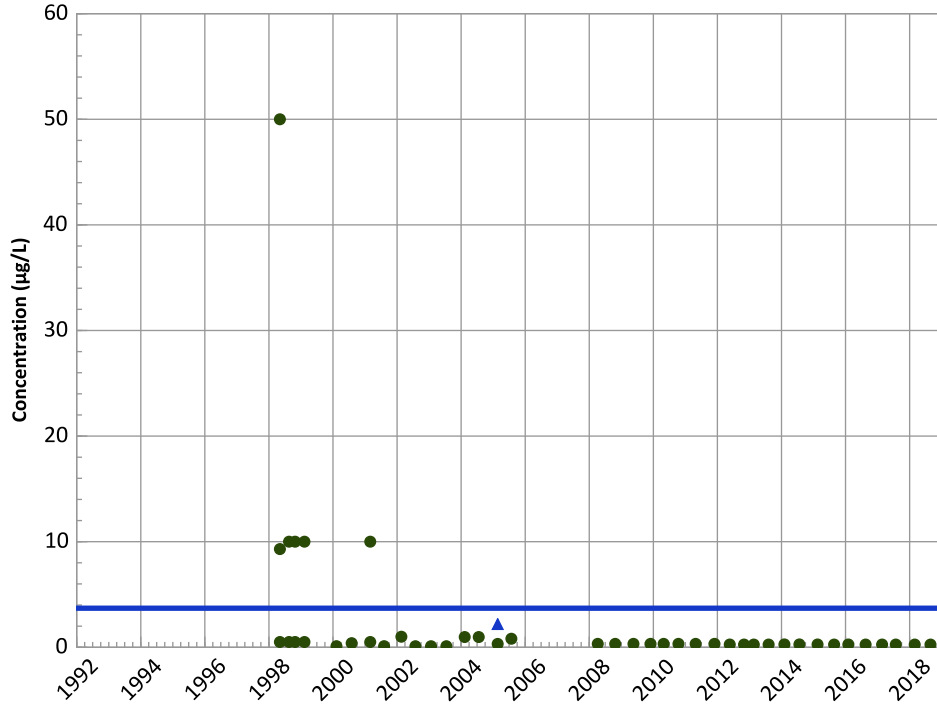
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

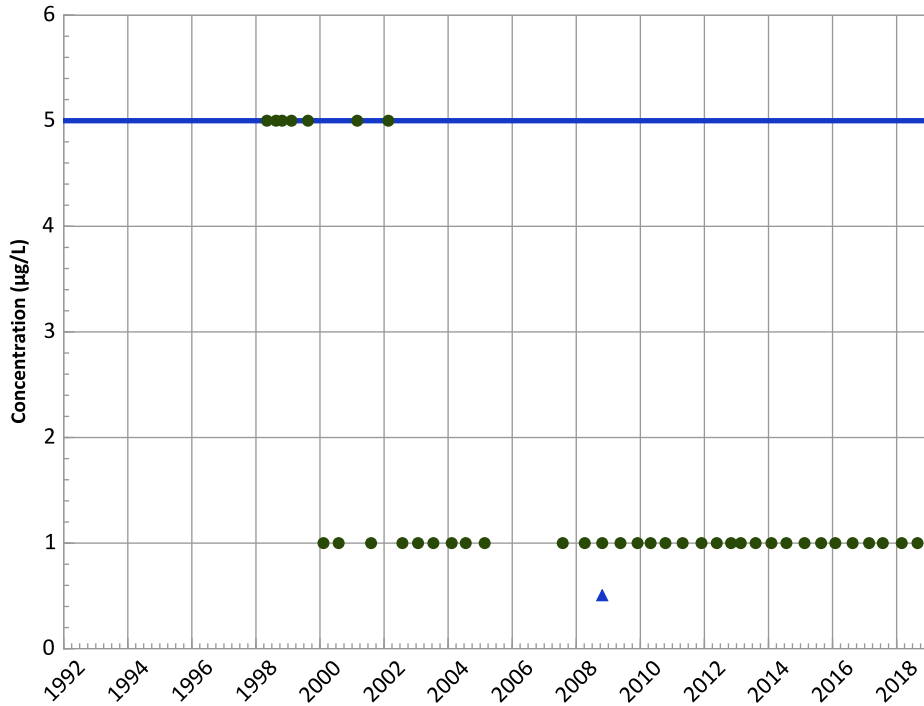
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

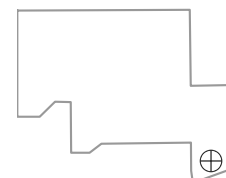
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

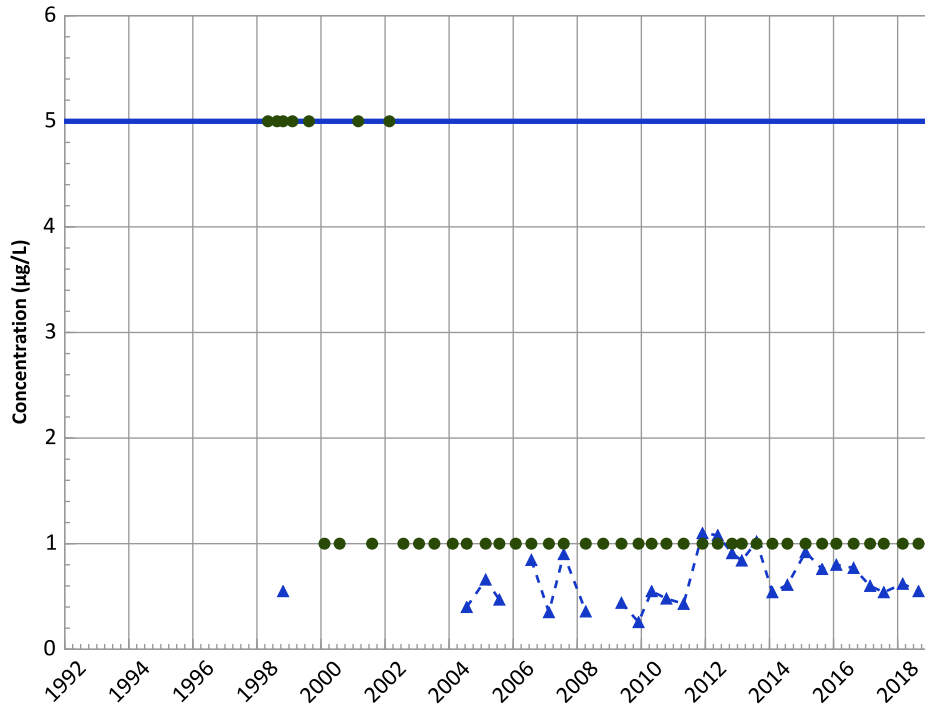


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

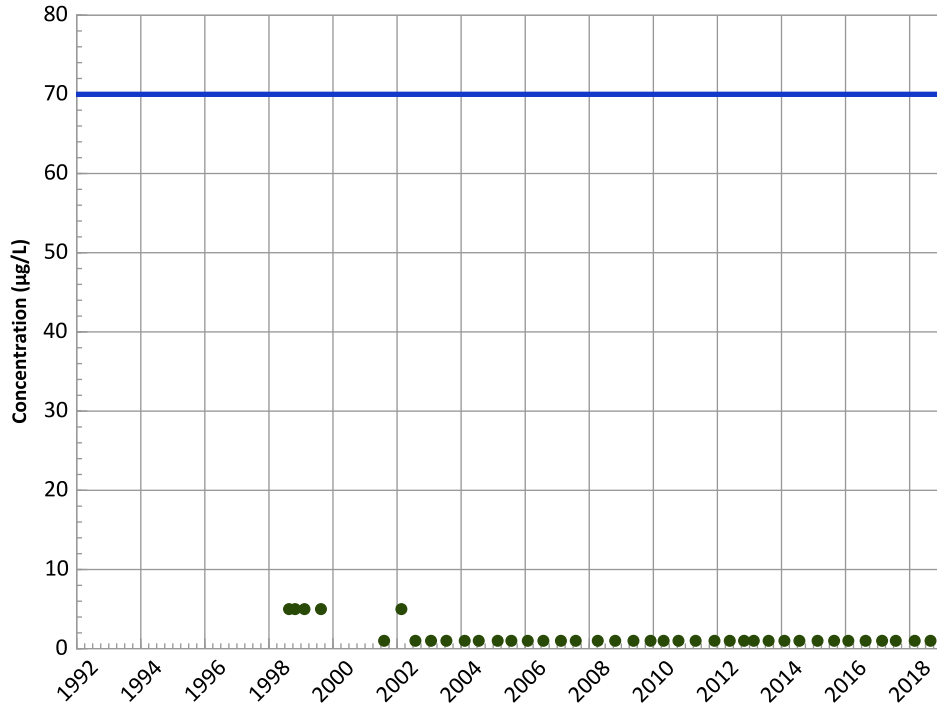
Data (2017 - 2021):

Stable

All Data:

Probably Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

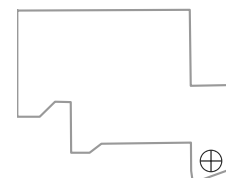
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

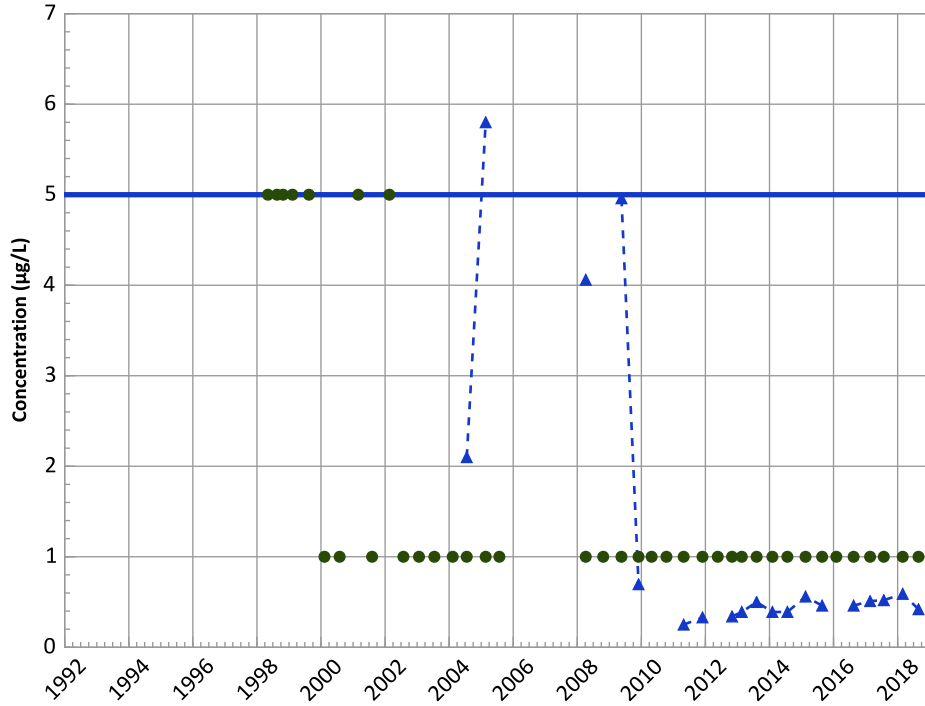


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

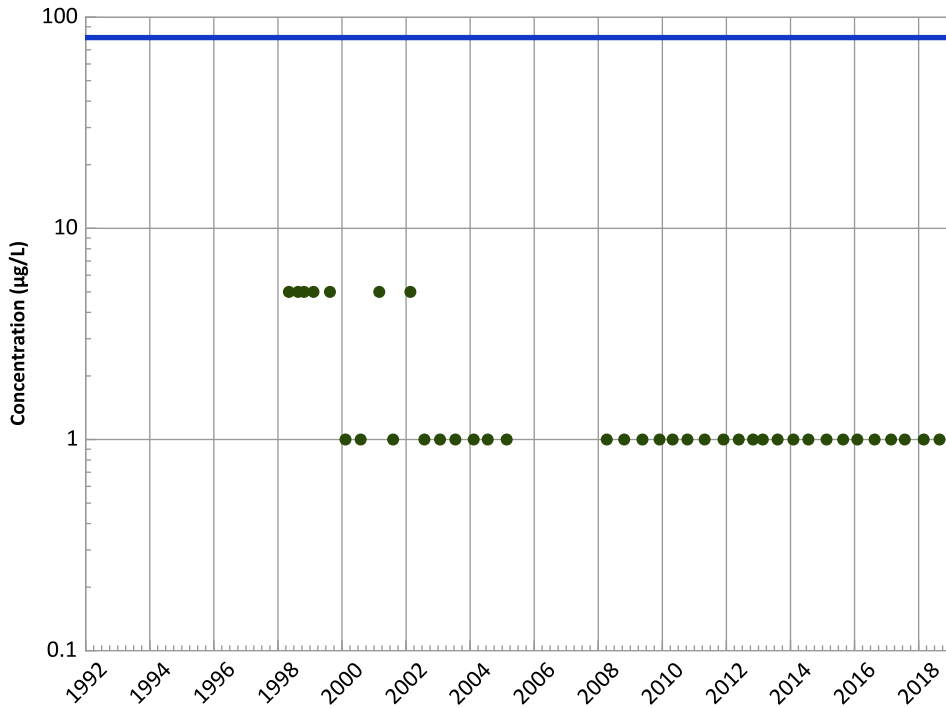
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

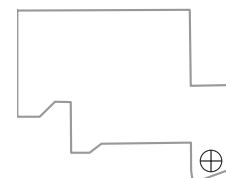
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

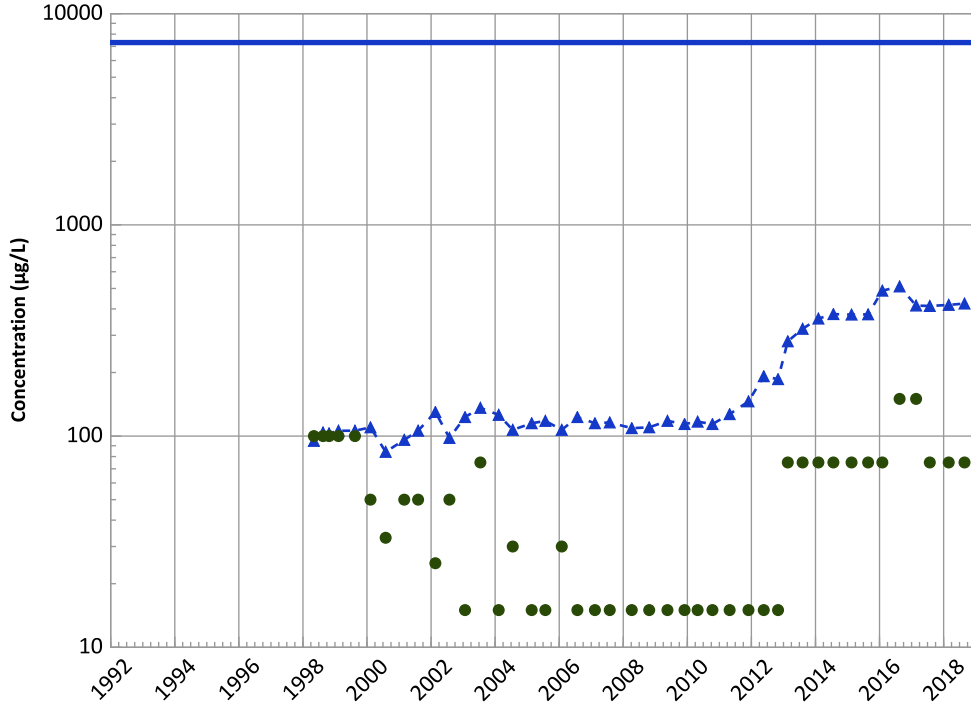


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

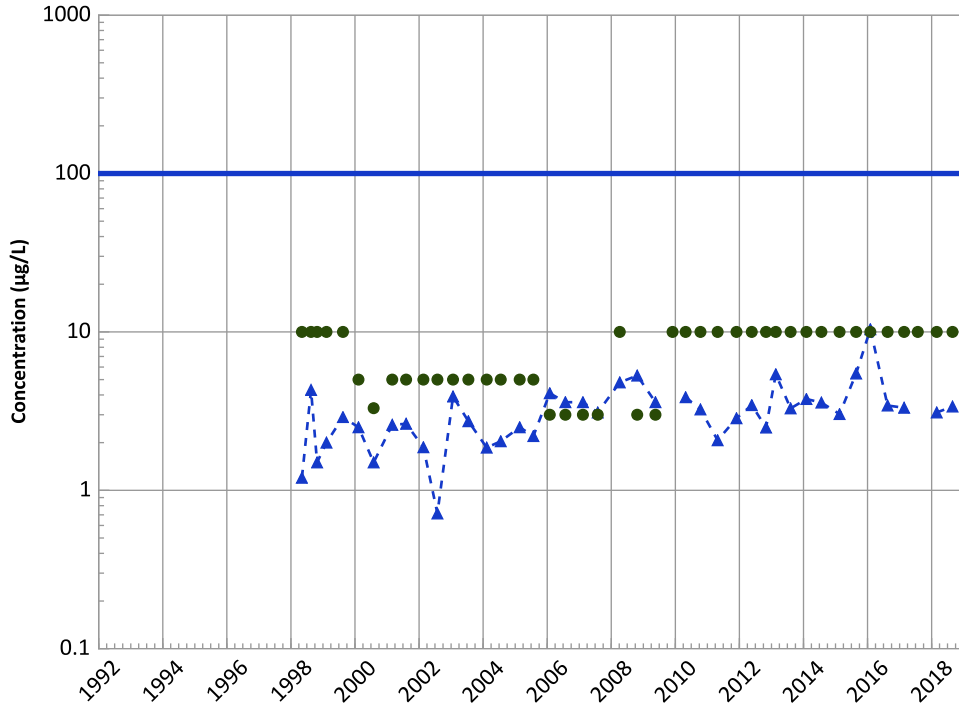
Data (2017 - 2021):

Increasing

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

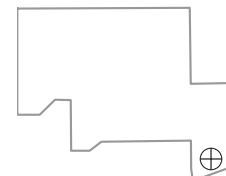
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

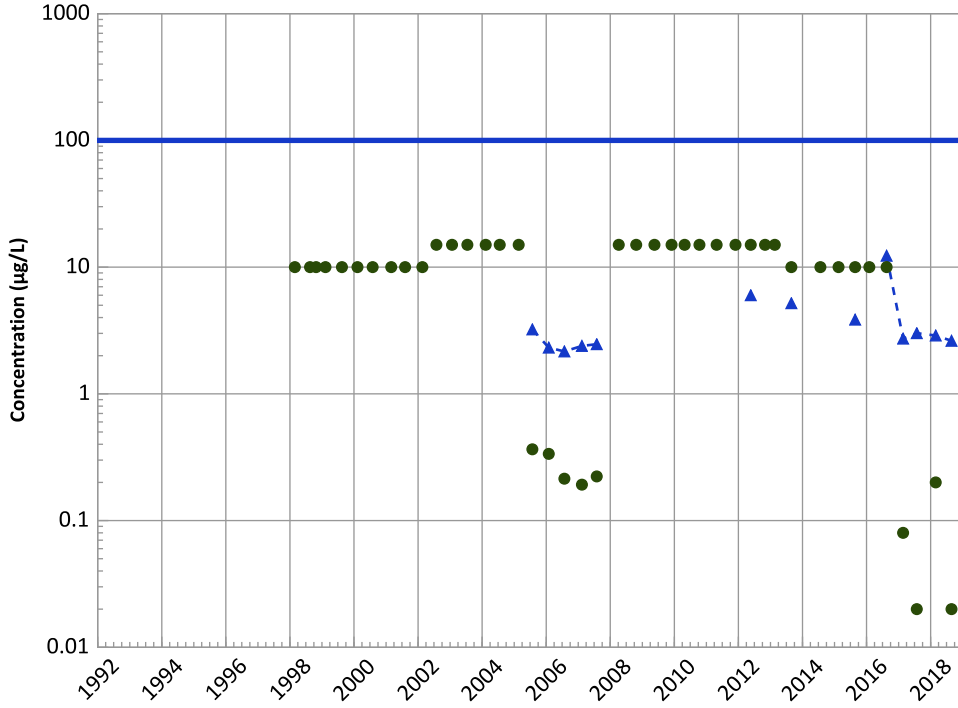
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1034 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

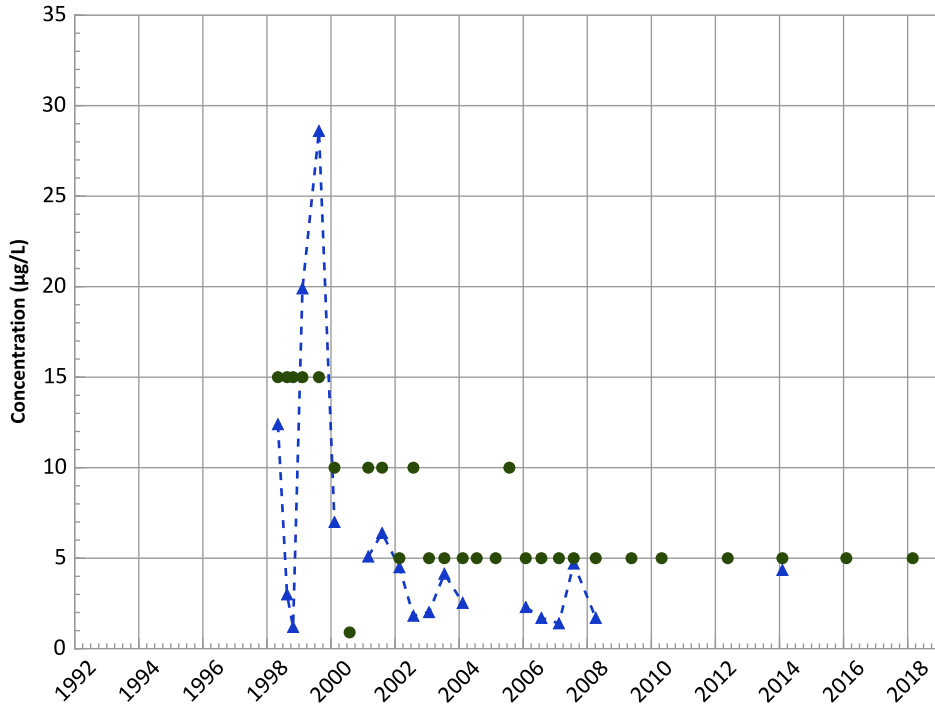
Data (2017 - 2021):

No Trend

All Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

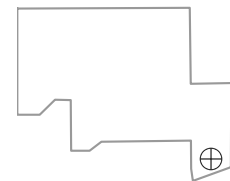
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

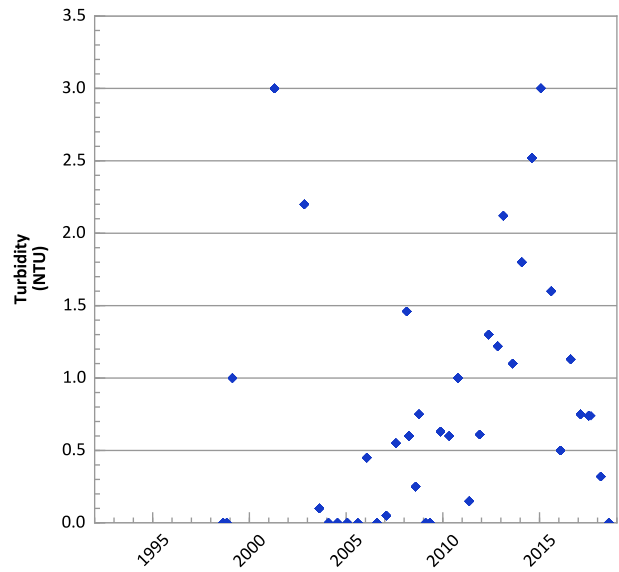
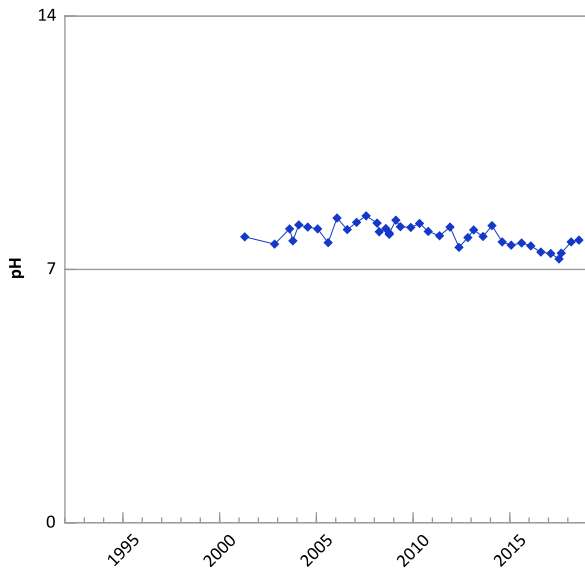
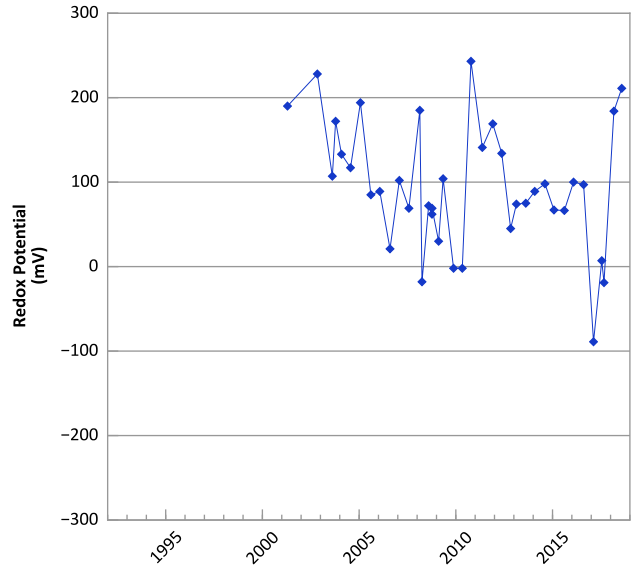
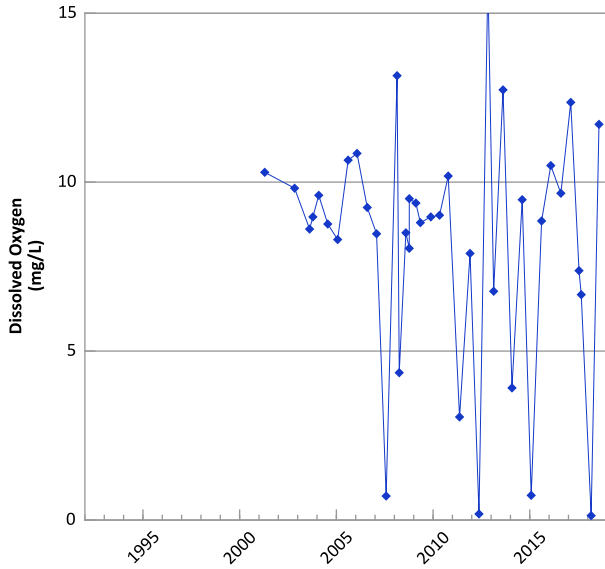
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/26/1998 to 08/27/2018
Analysis Date: 02/14/2019

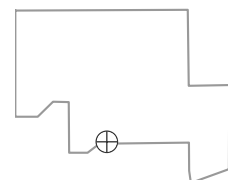
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



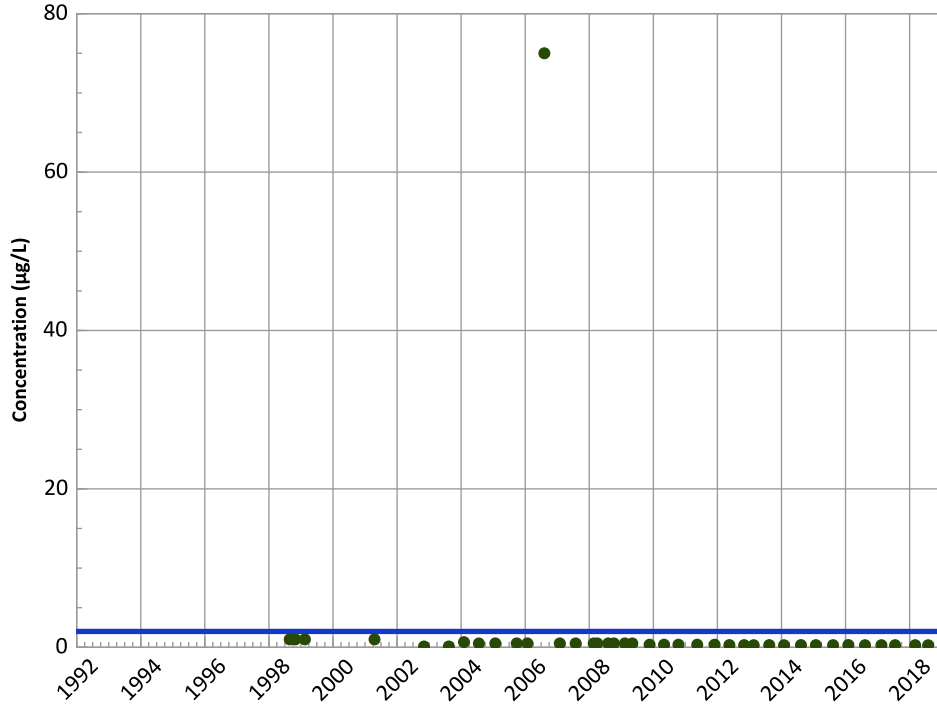
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

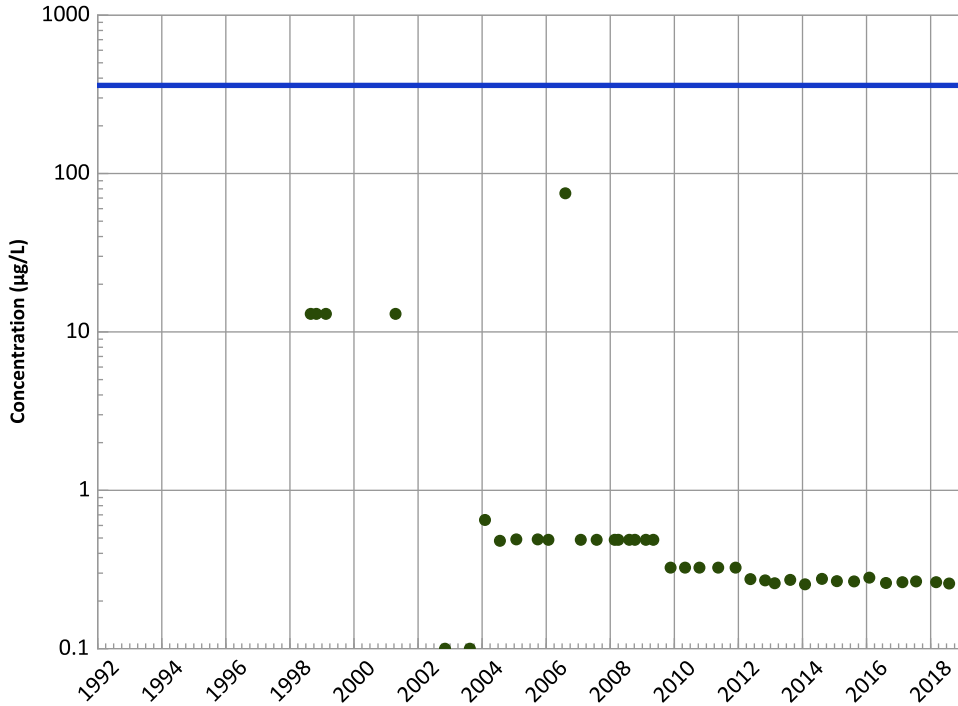
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

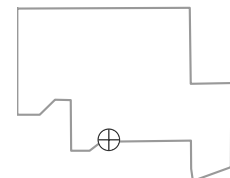
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

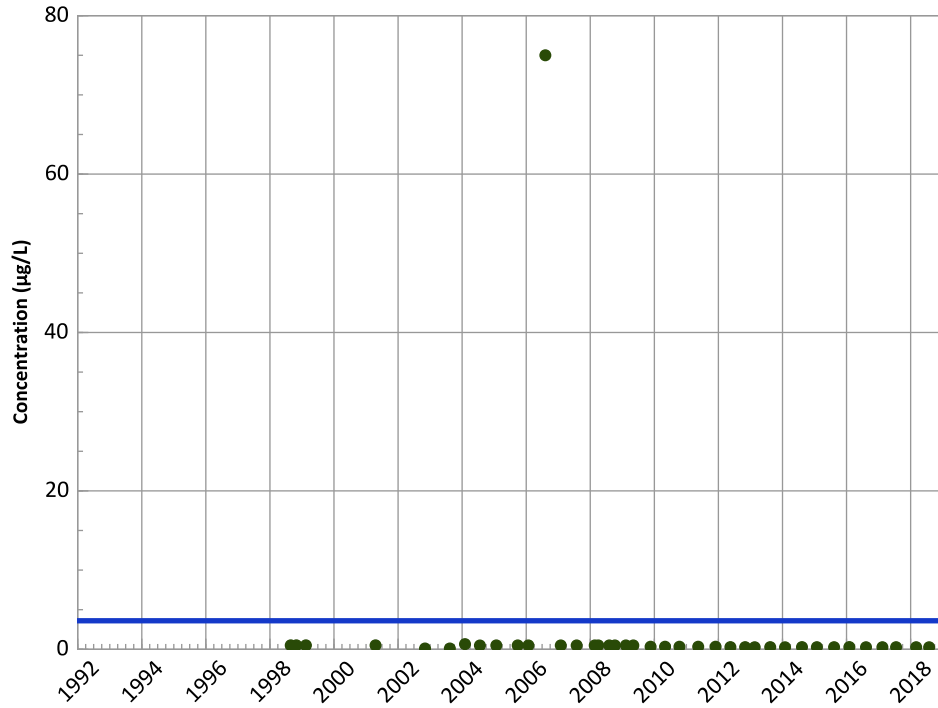
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

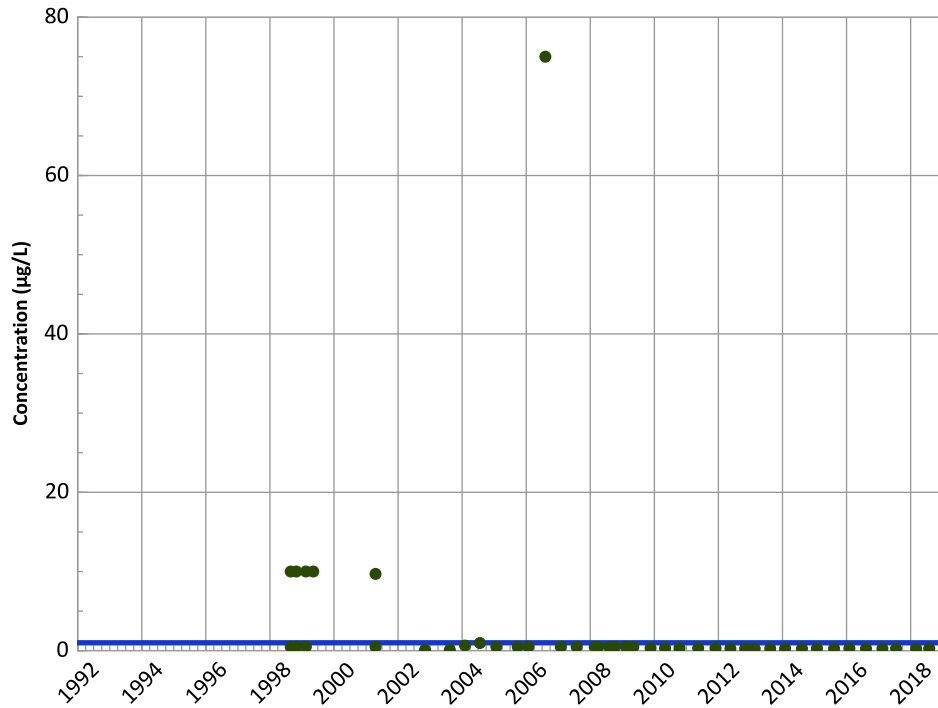
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

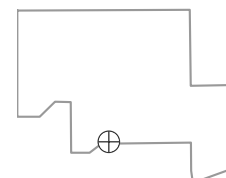
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

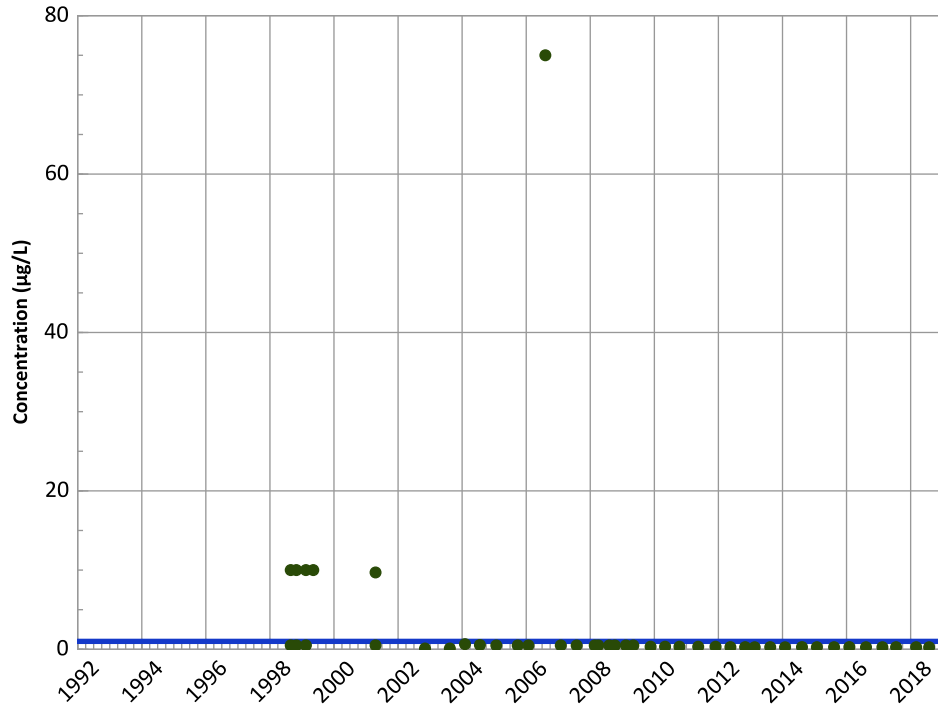
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

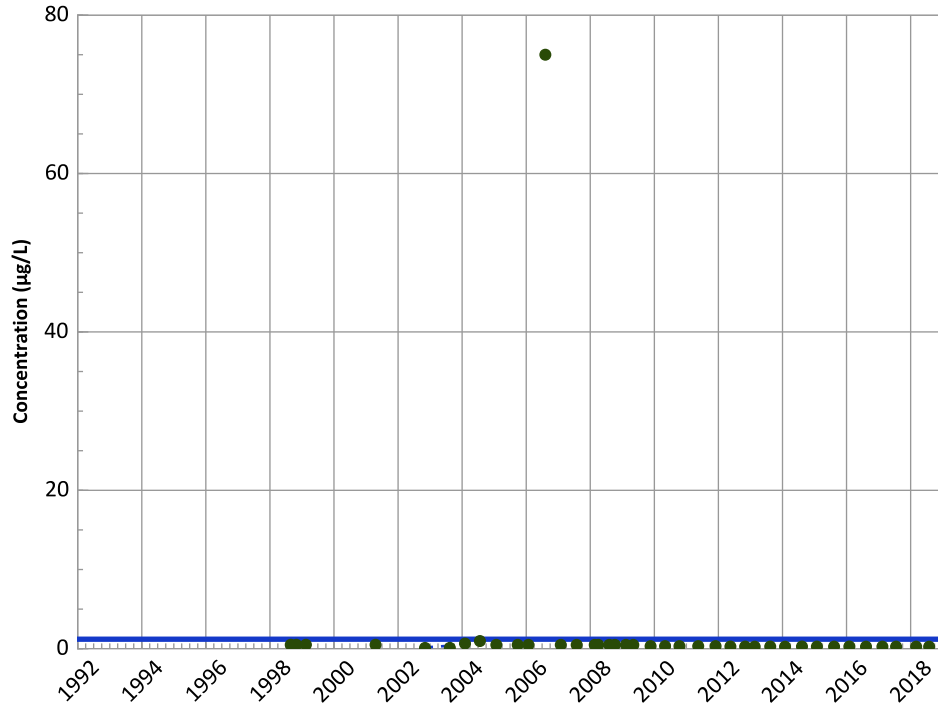
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

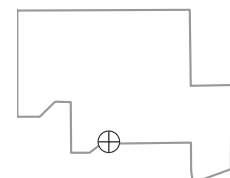
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

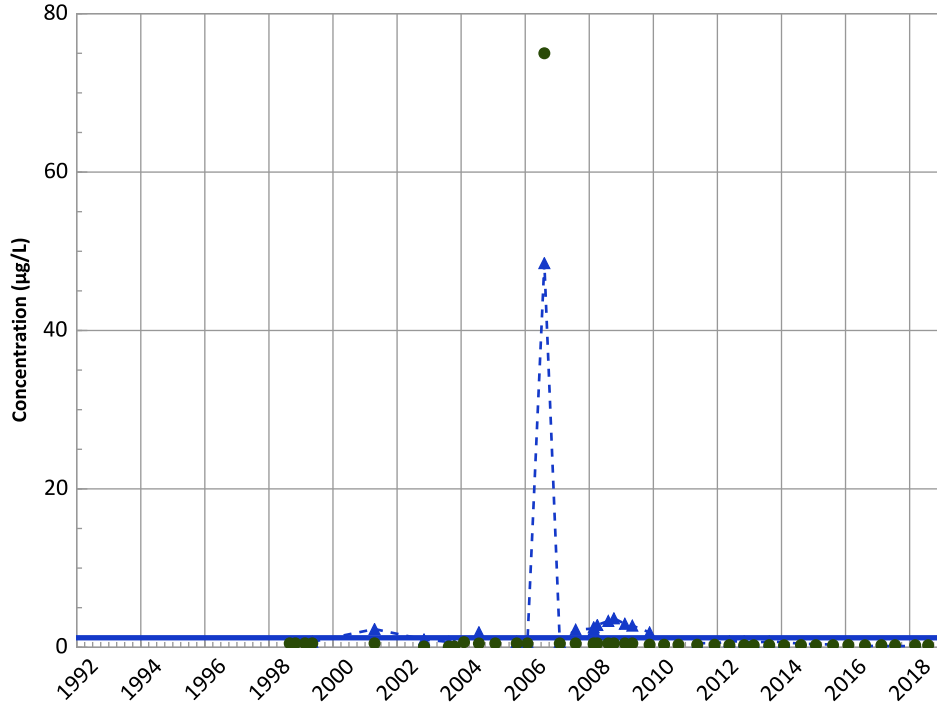


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

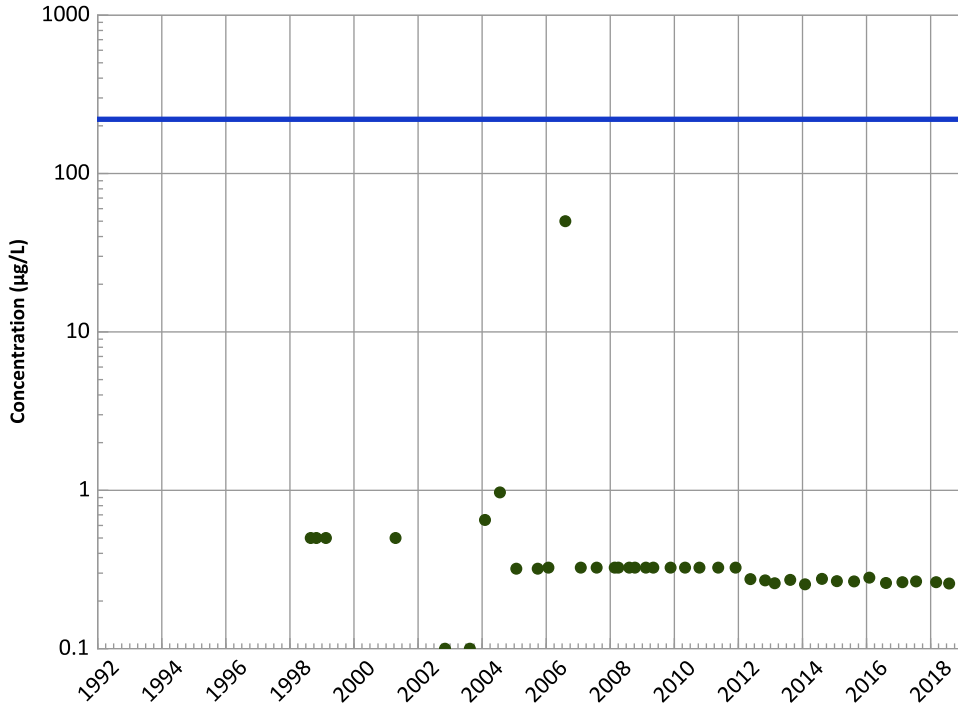
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

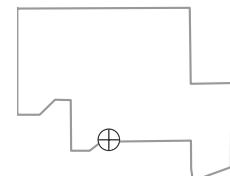
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

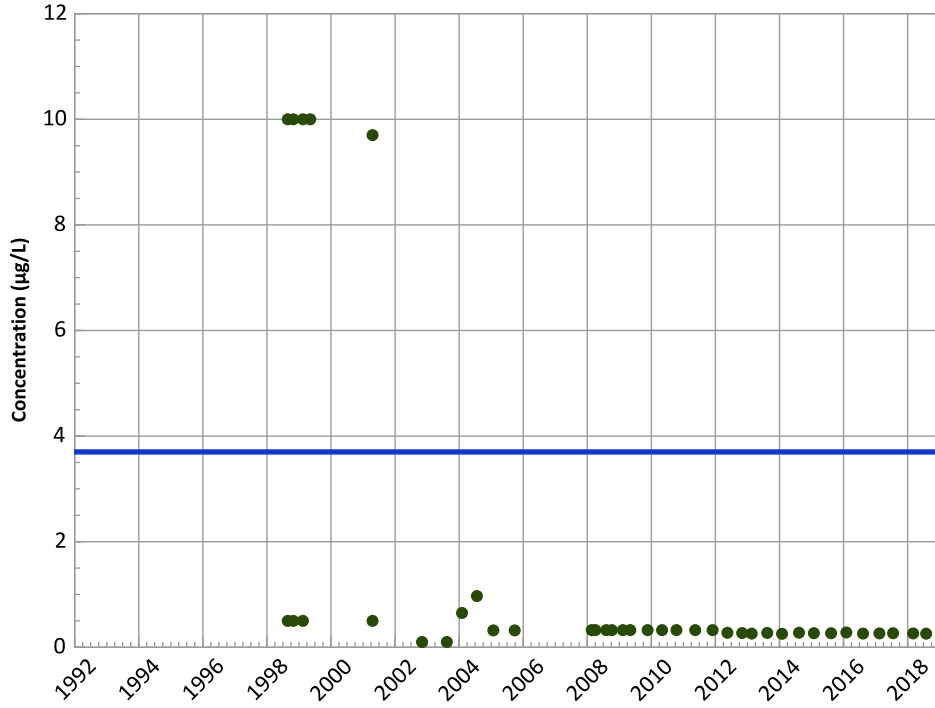
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

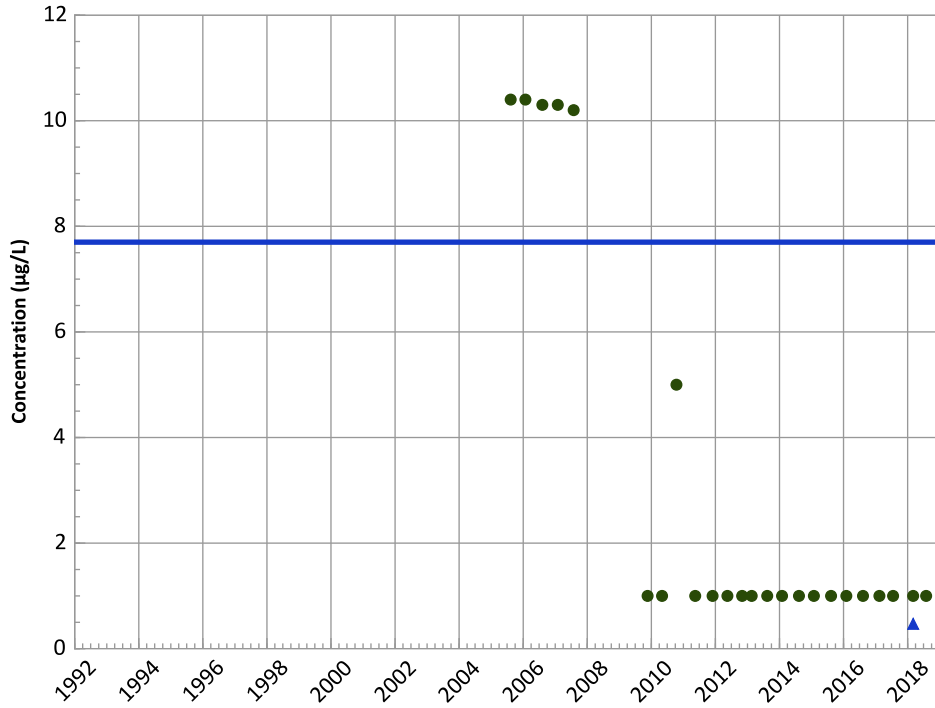
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

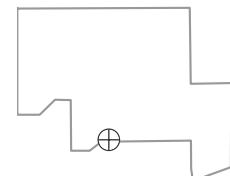
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

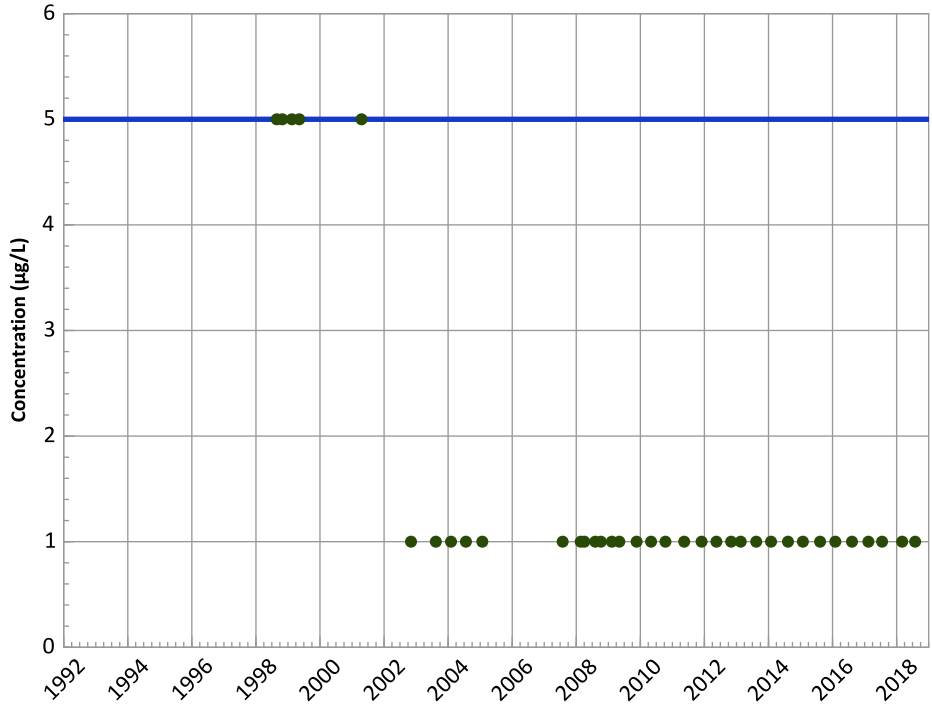
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

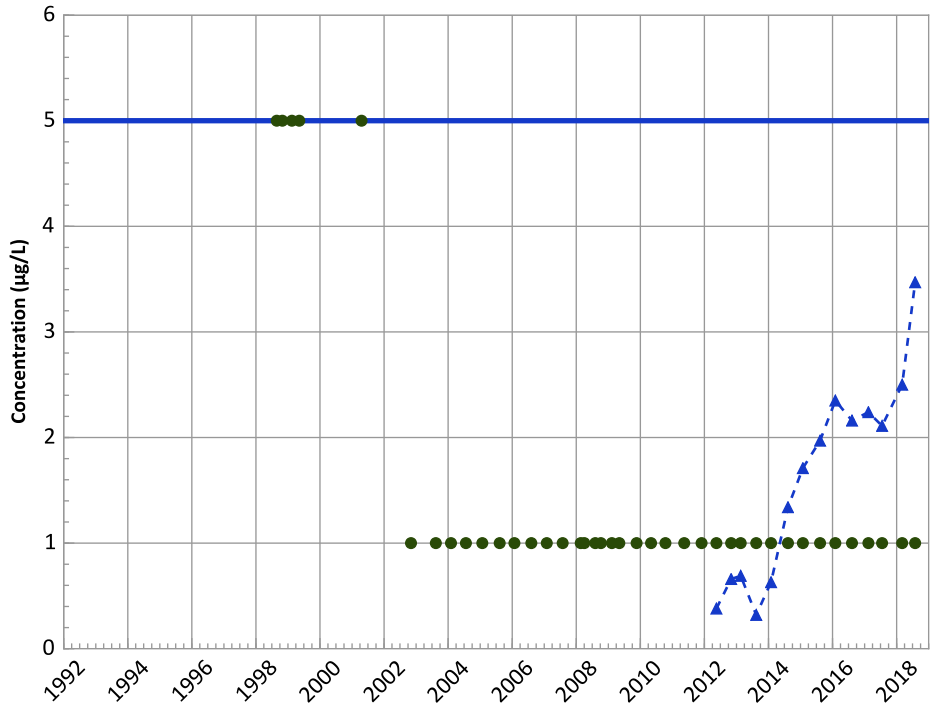
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

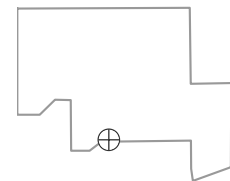
Data (2017 - 2021):

Increasing

All Data:

Increasing

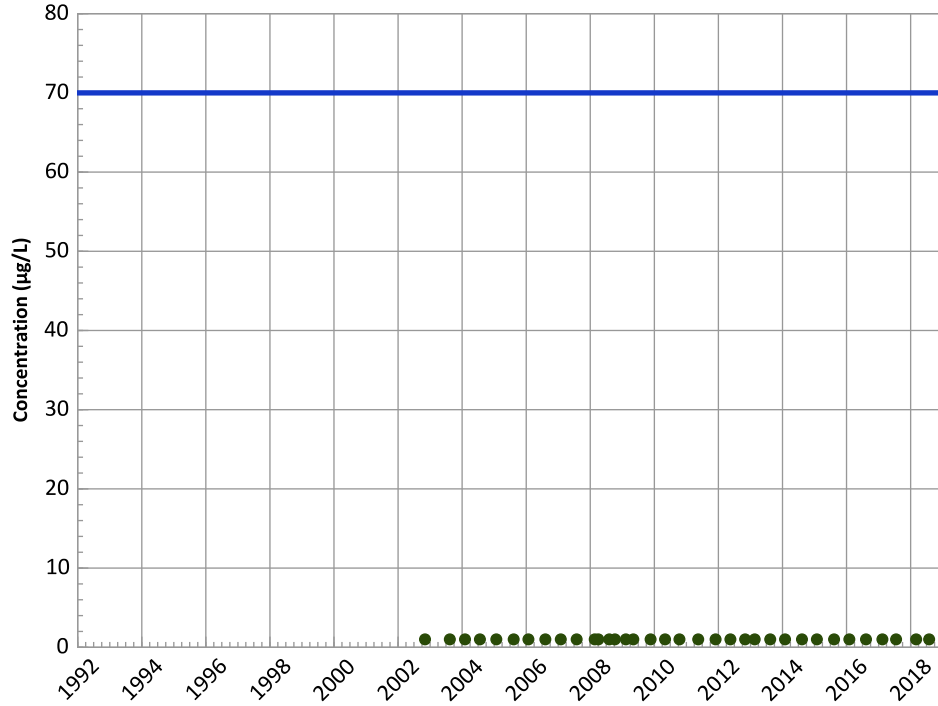
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

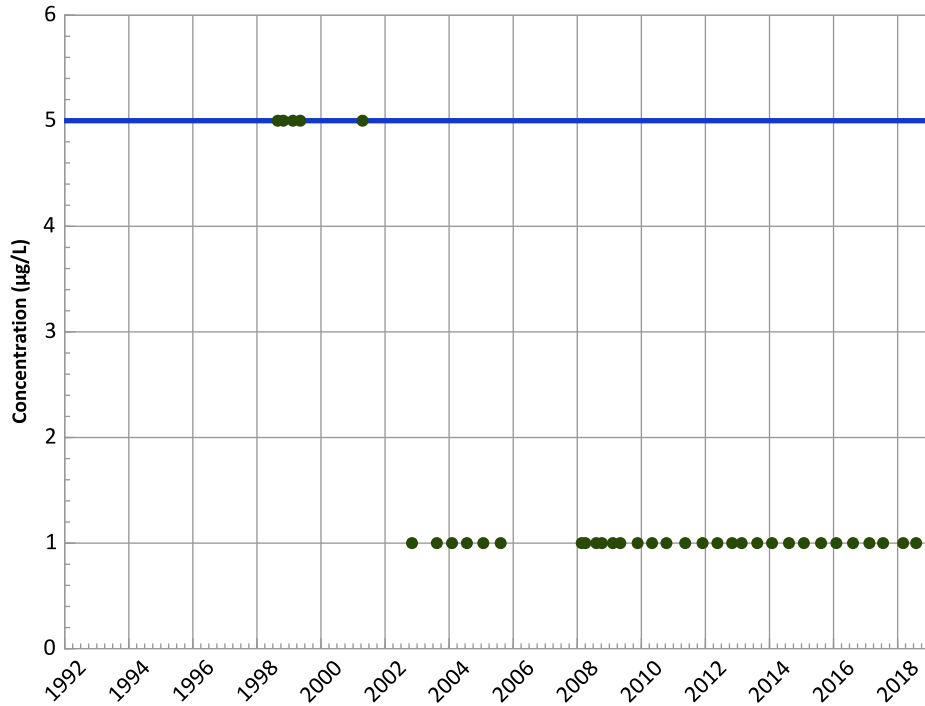
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

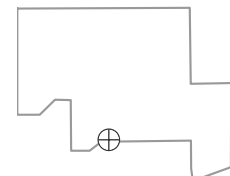
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

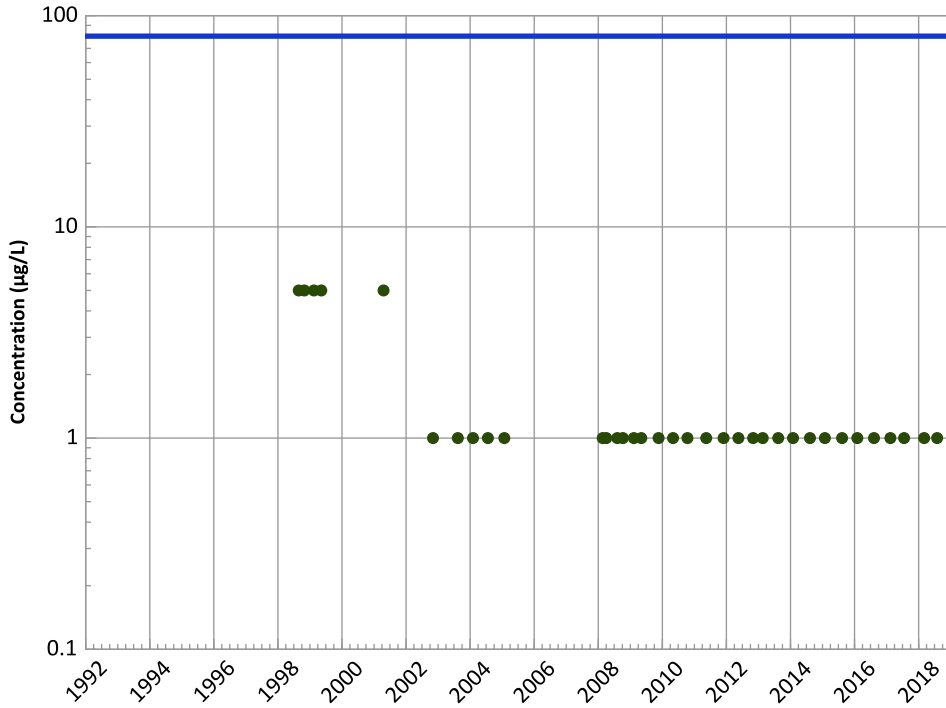
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend

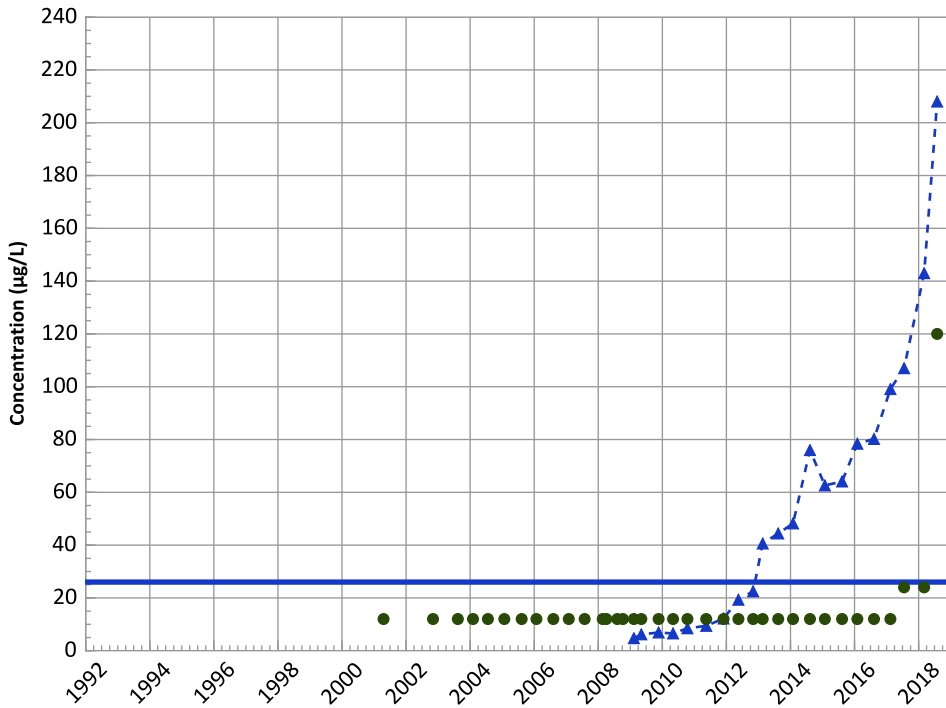


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend



Concentration Trend

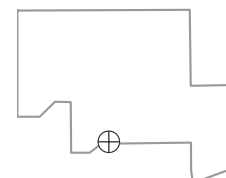
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

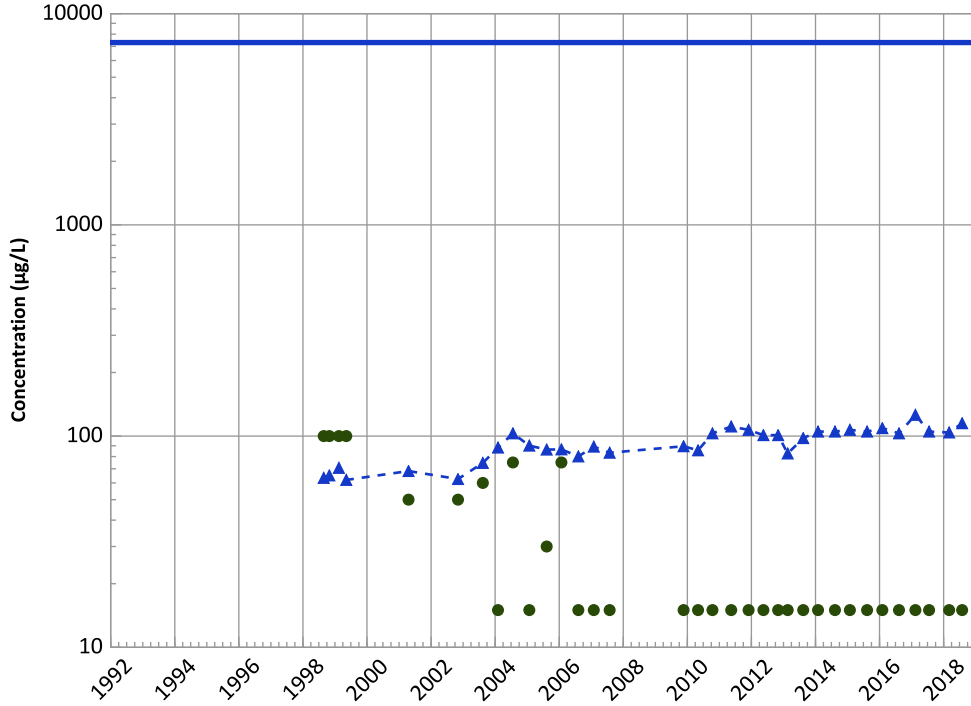
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1035 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

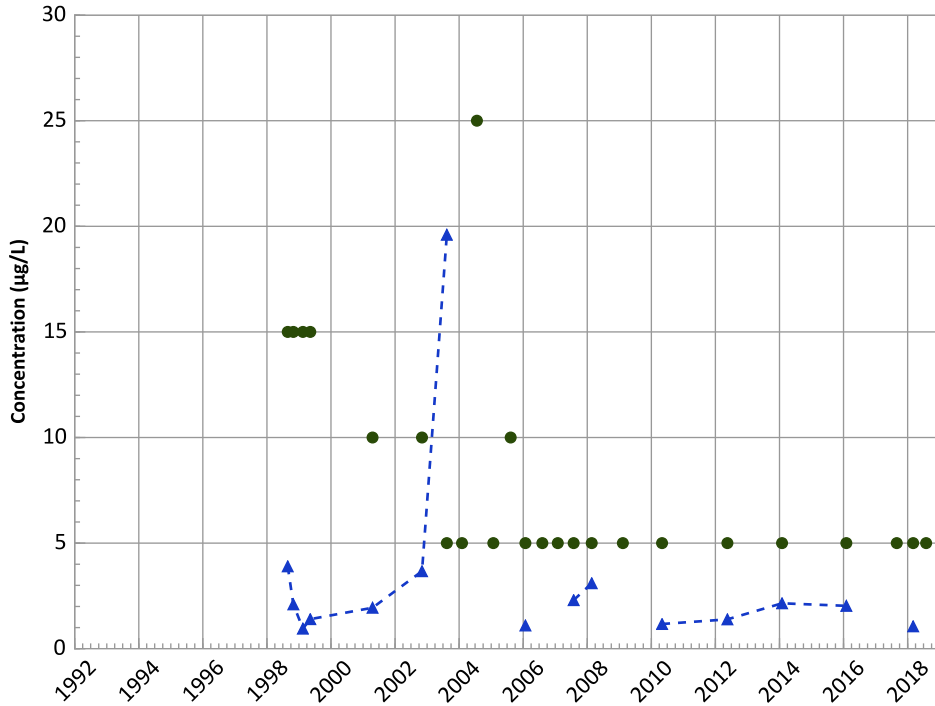
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

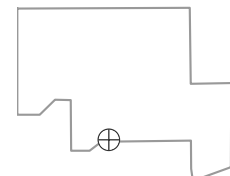
All Data:

No Trend

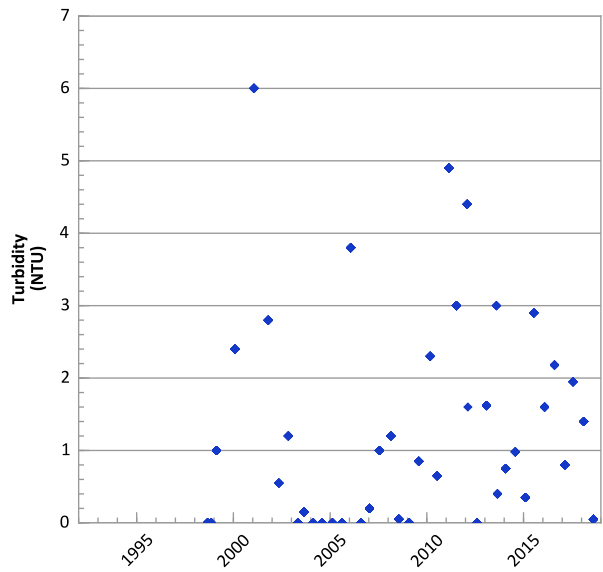
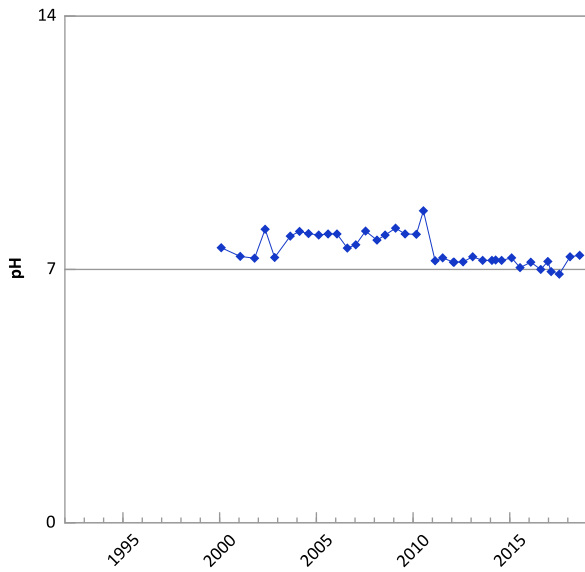
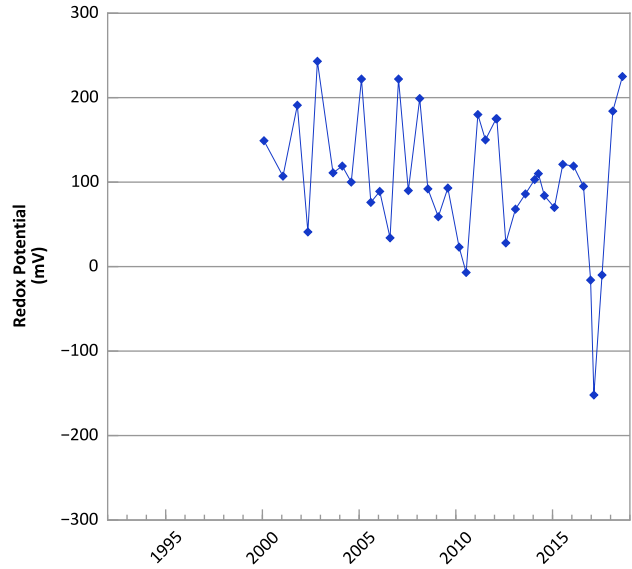
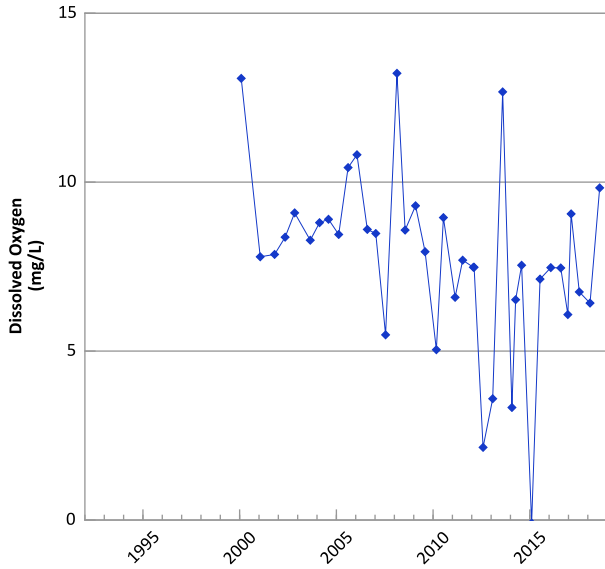
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/1998 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

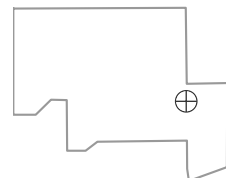


**PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



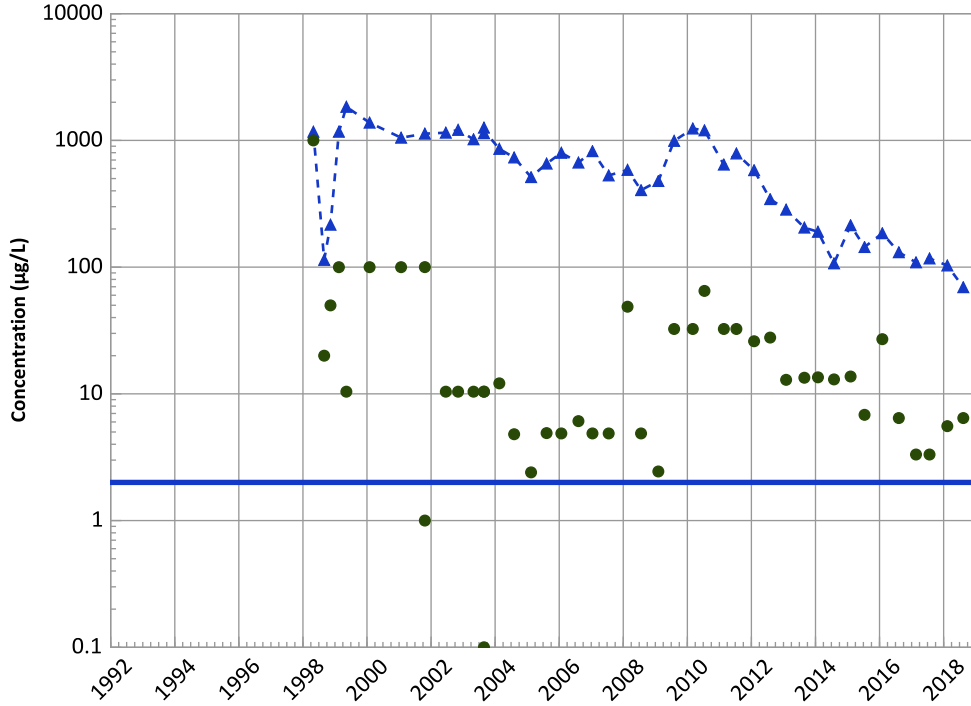
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

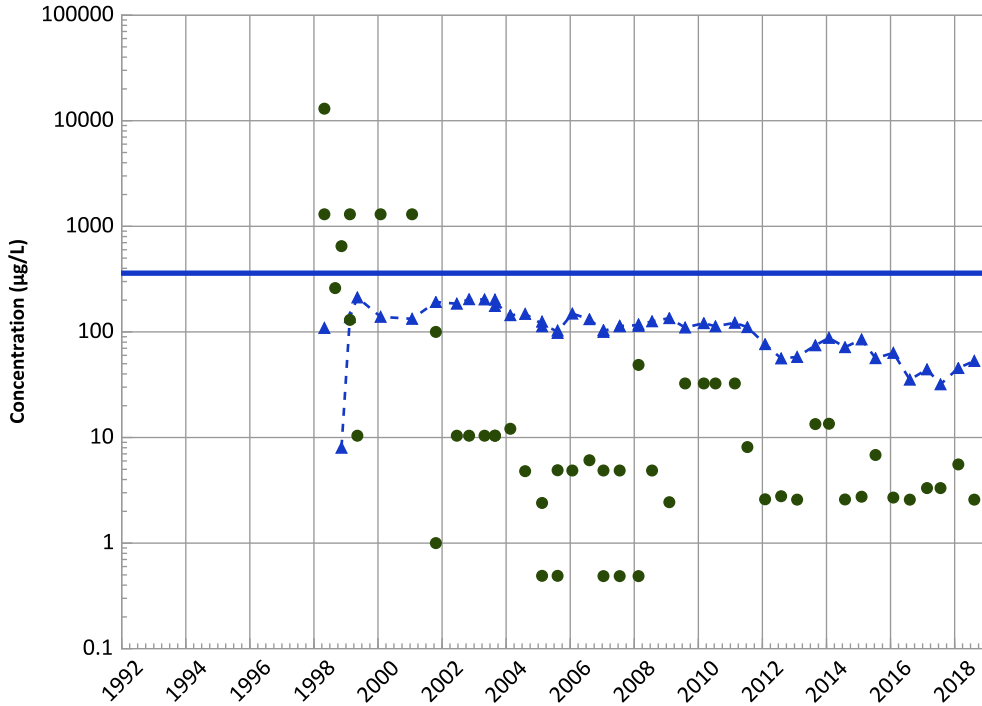
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

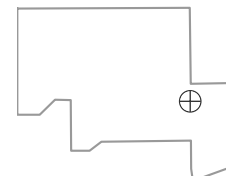
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

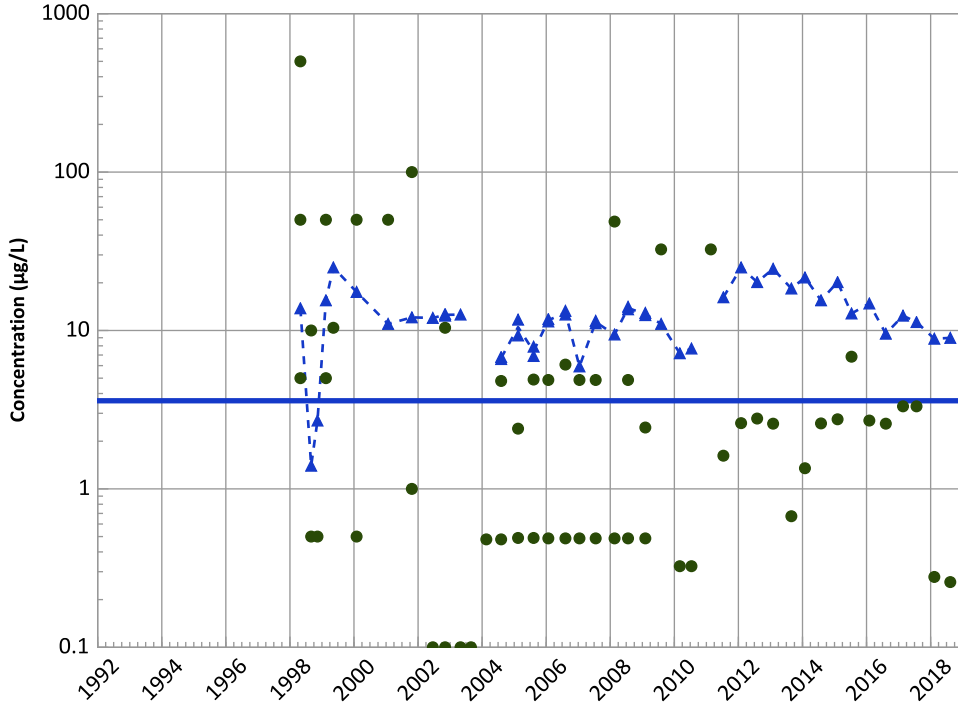
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

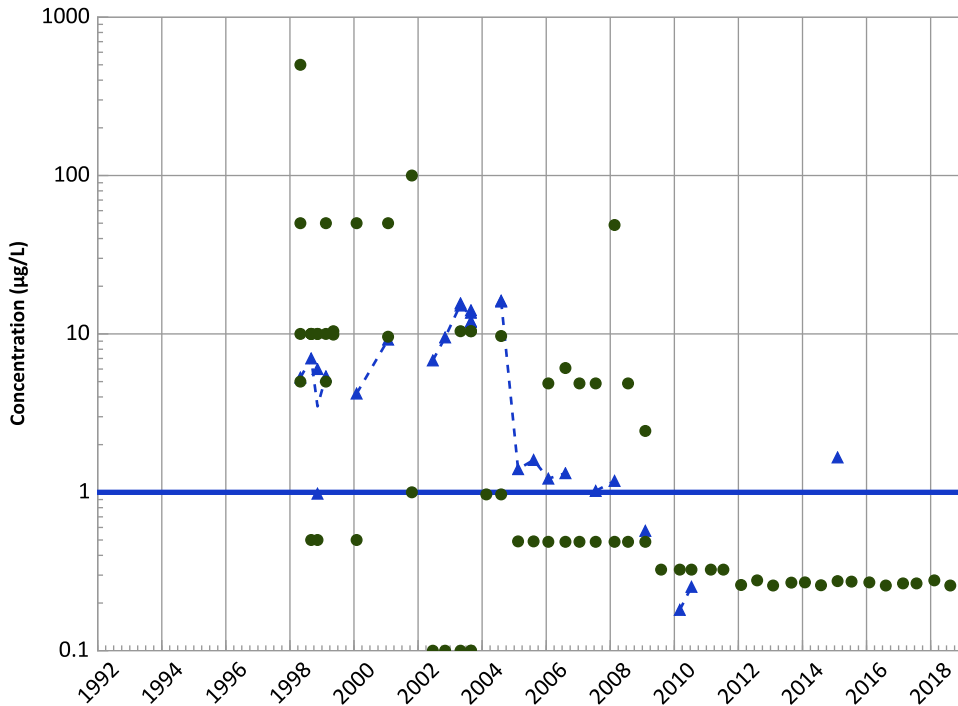
Data (2017 - 2021):

Decreasing

All Data:

Increasing

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

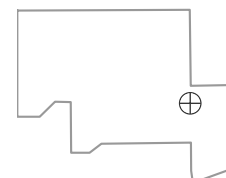
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

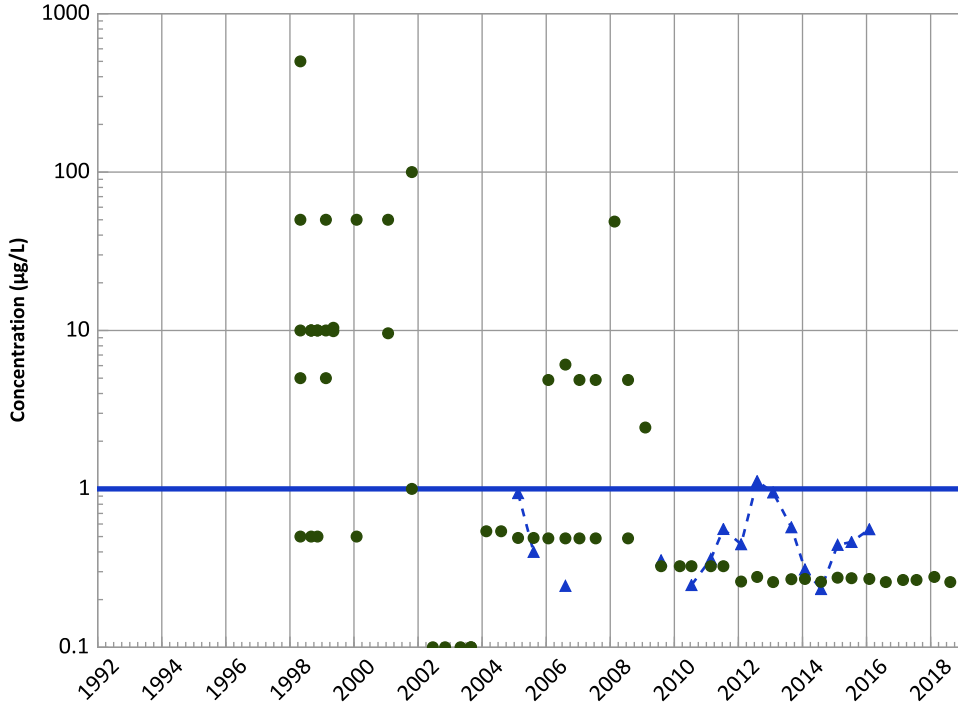
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

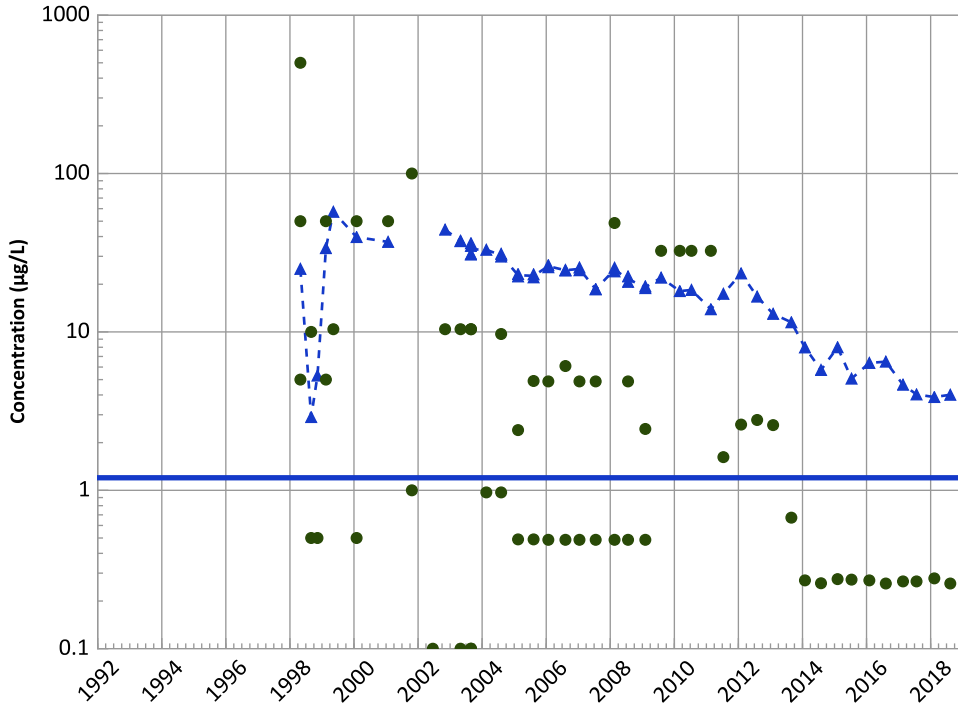
Data (2017 - 2021):

Stable

All Data:

No Trend

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

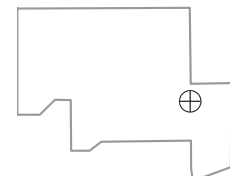
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

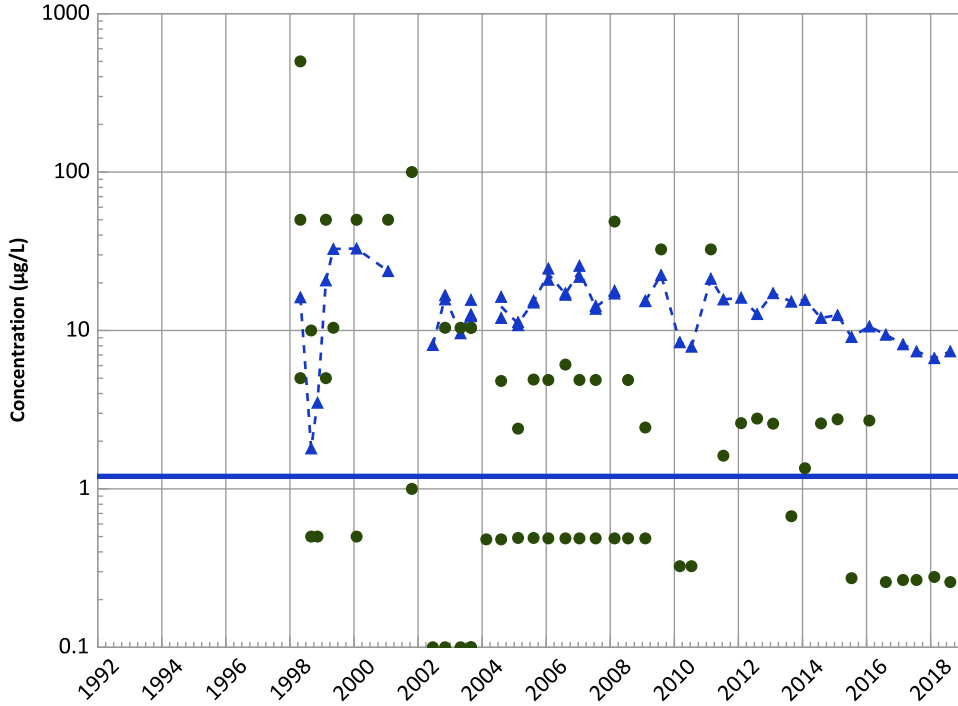
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

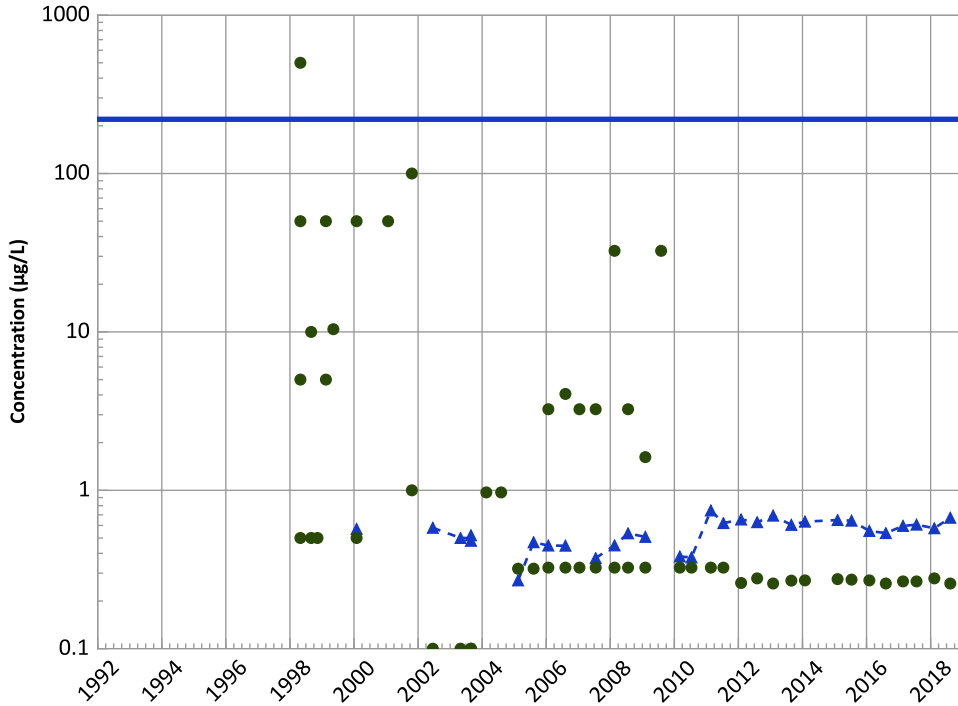
Data (2017 - 2021):

Decreasing

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

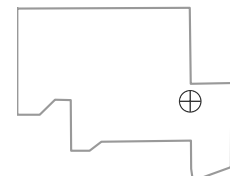
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

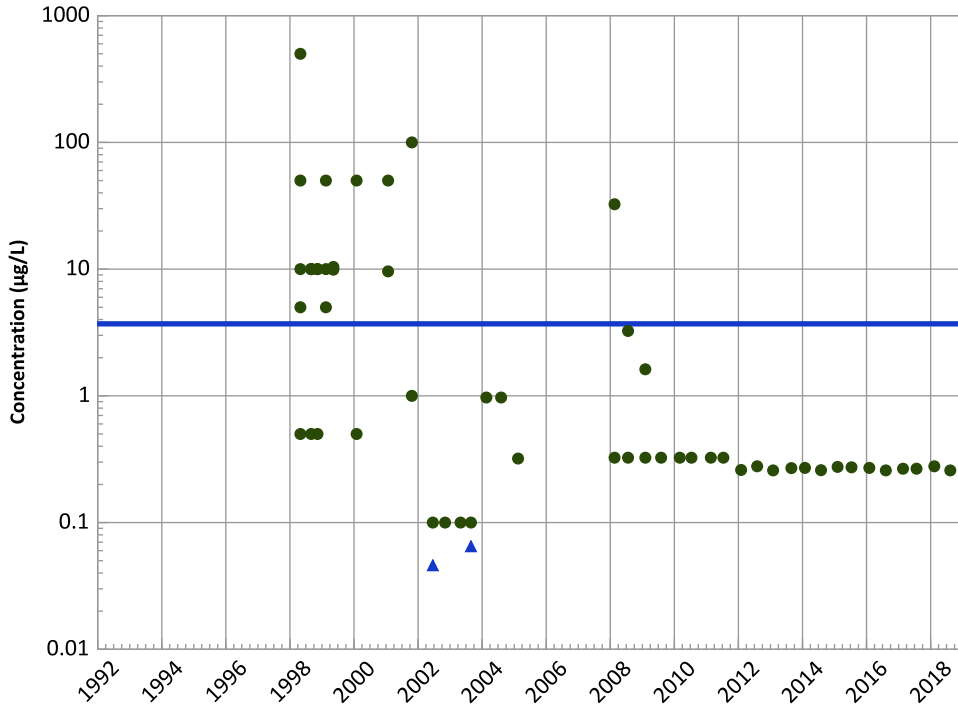
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,3-Dinitrobenzene Trend



Concentration Trend

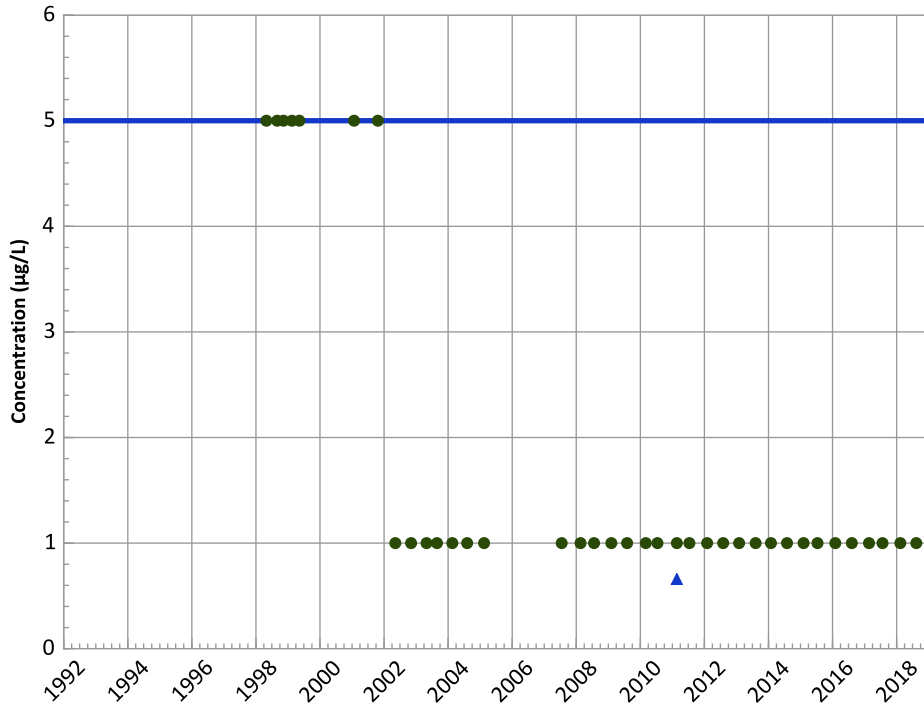
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

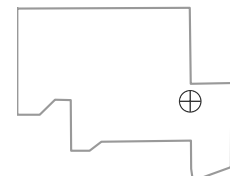
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Well Location

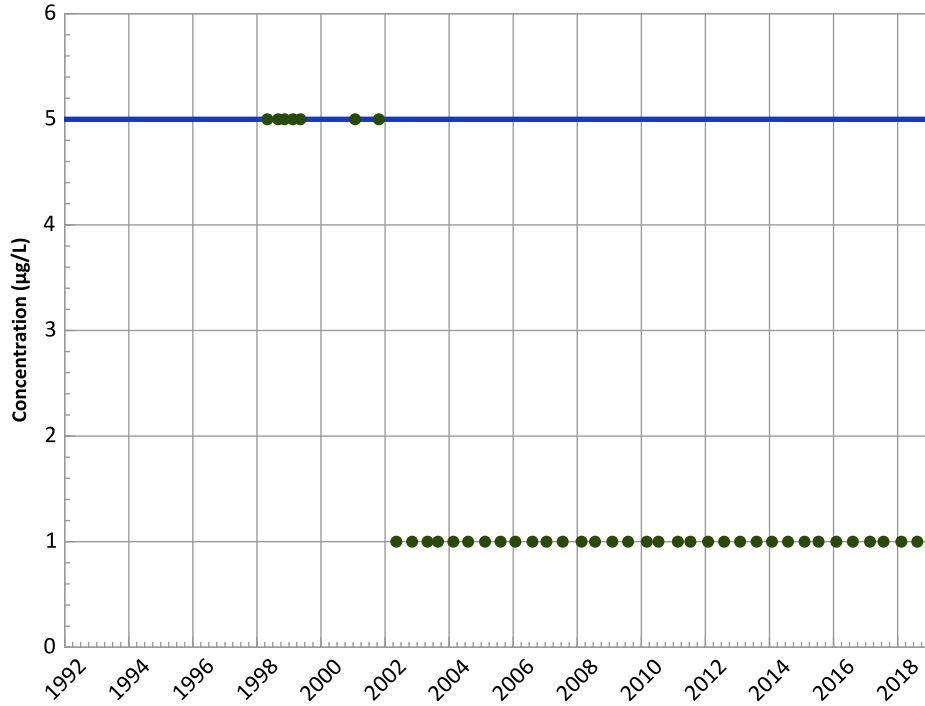


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

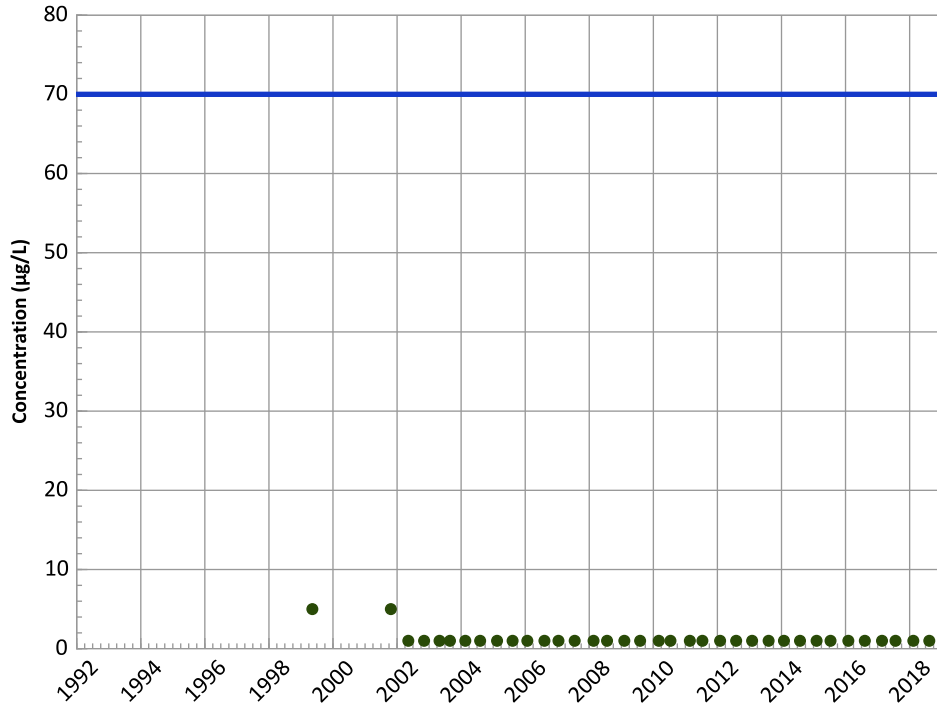
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

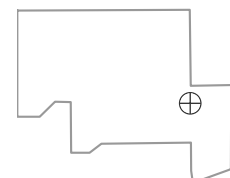
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

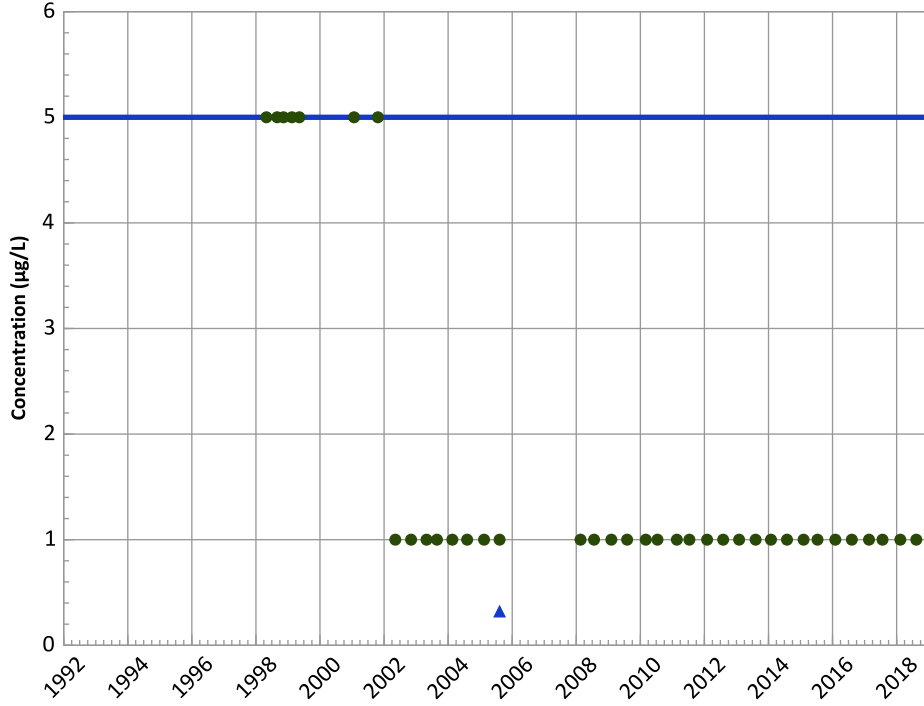


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

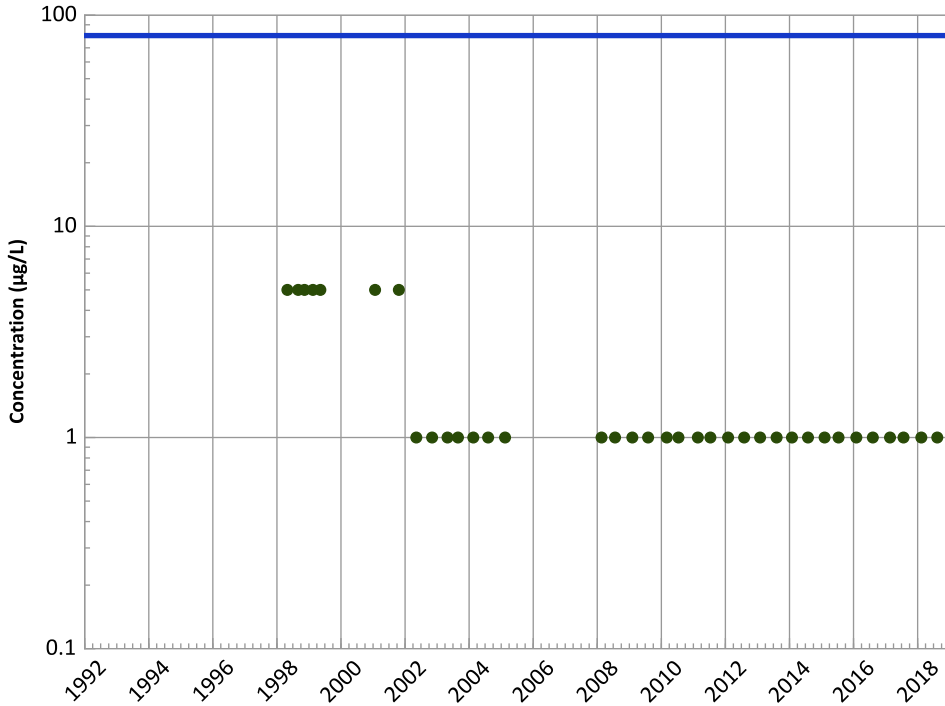
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

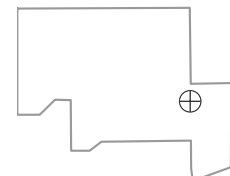
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

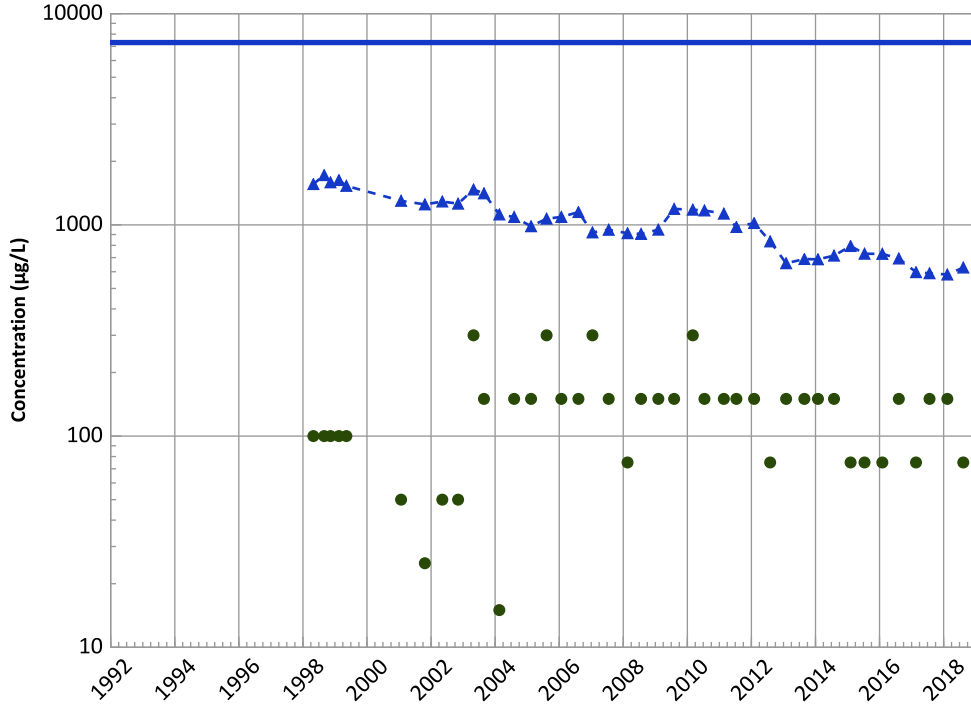


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

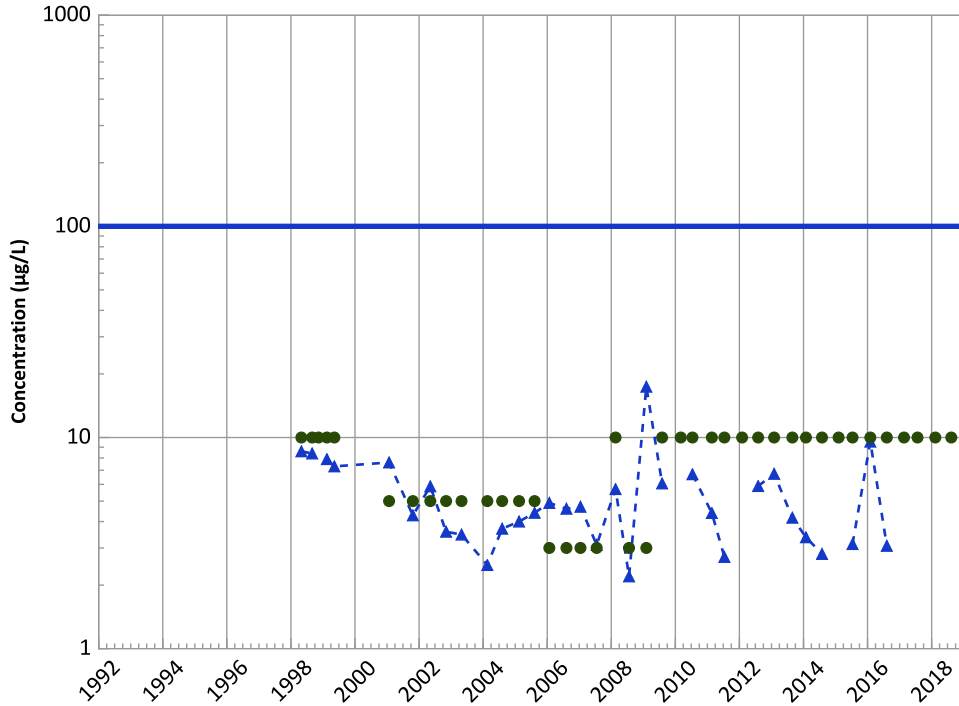
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

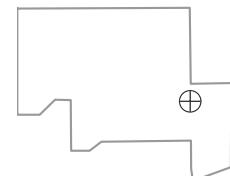
All Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

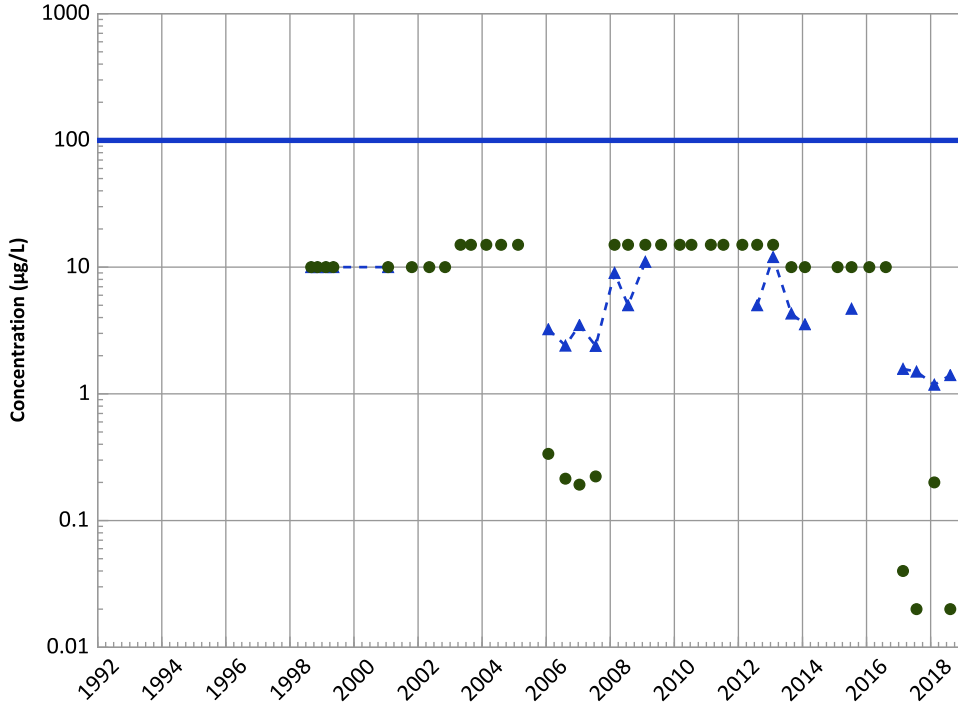
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1038 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

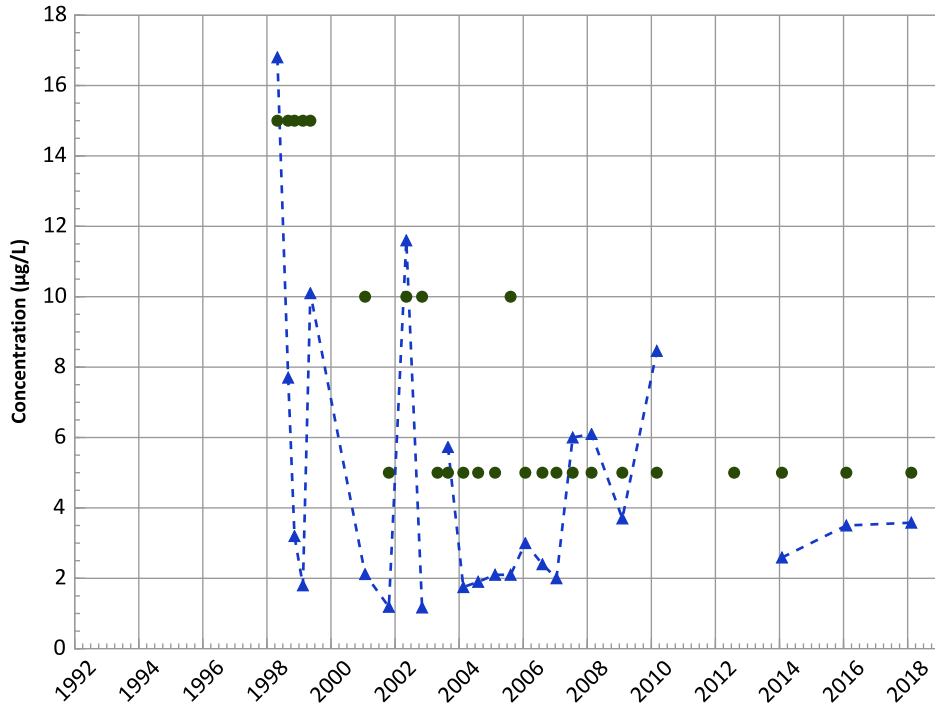
Data (2017 - 2021):

Stable

All Data:

Decreasing

Manganese 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 Detections in Dataset)

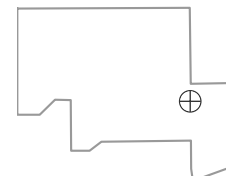
All Data:

Stable

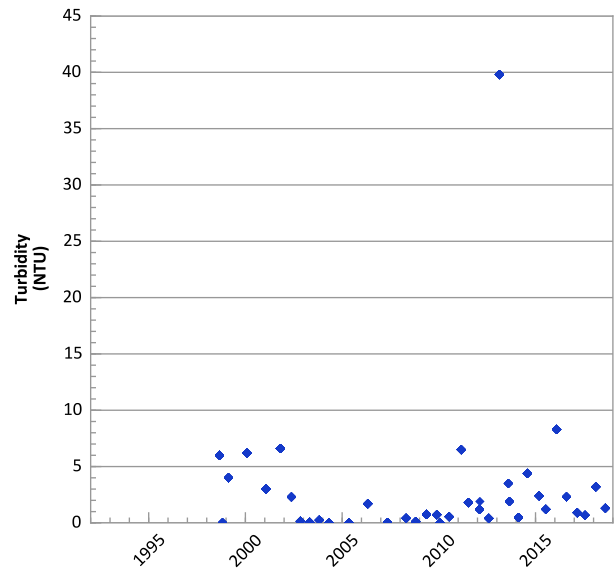
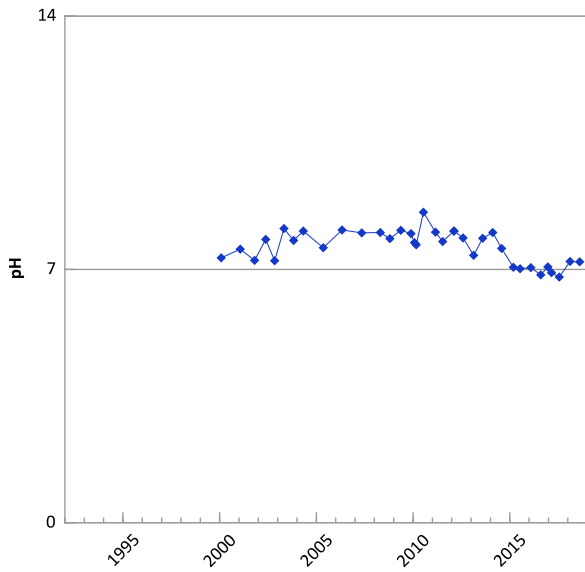
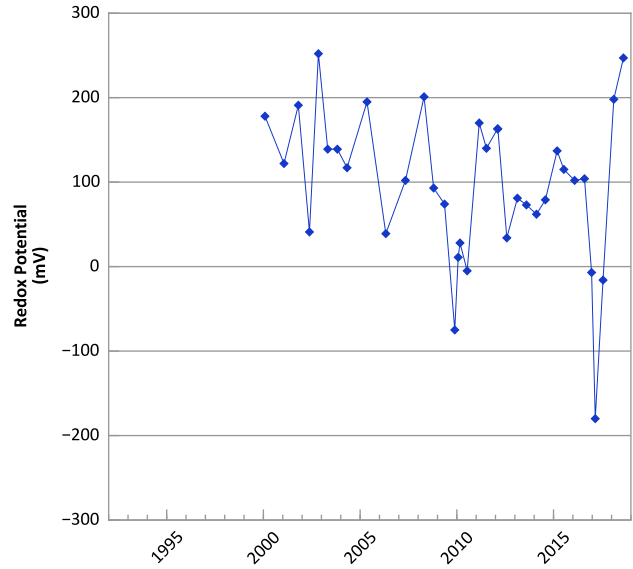
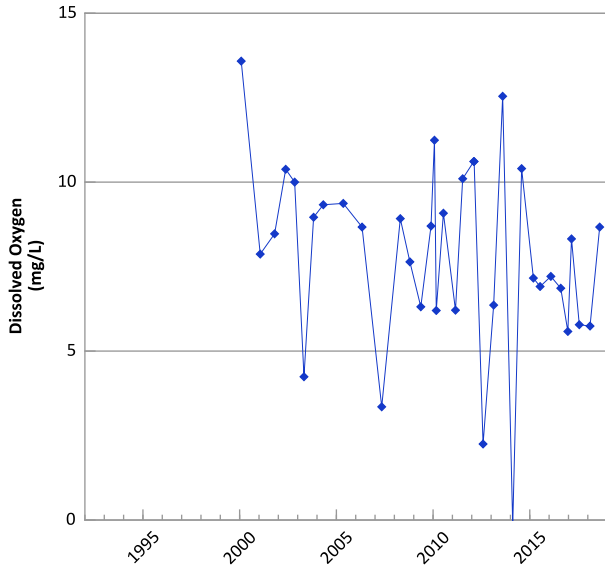
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

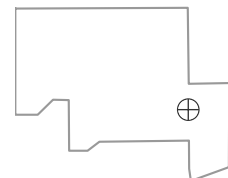


**PTX06-1039A in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



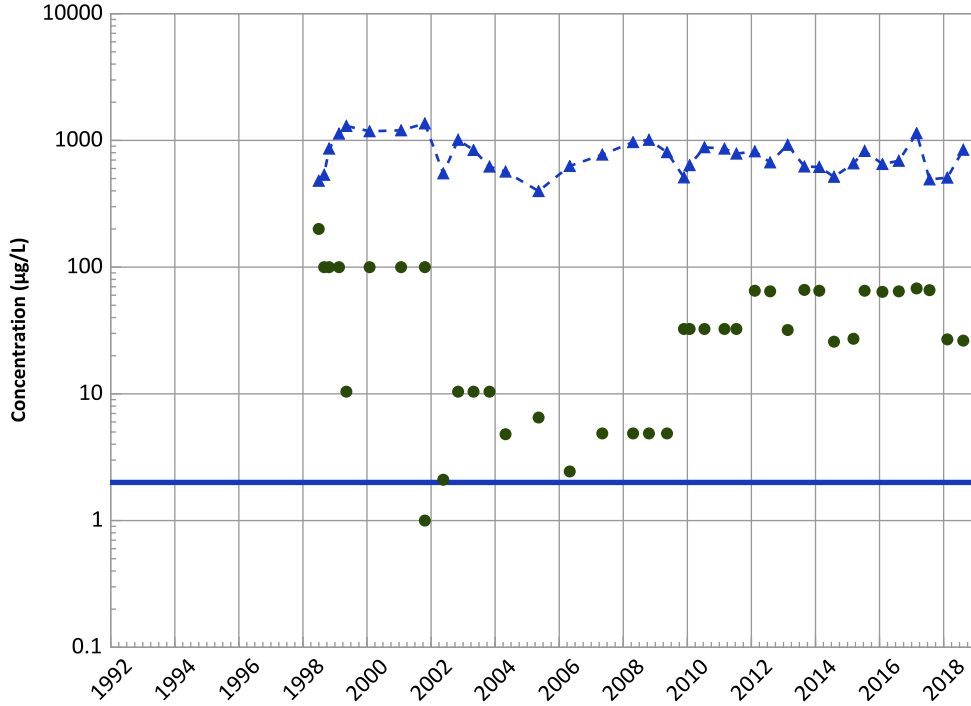
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/30/1998 to 08/13/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

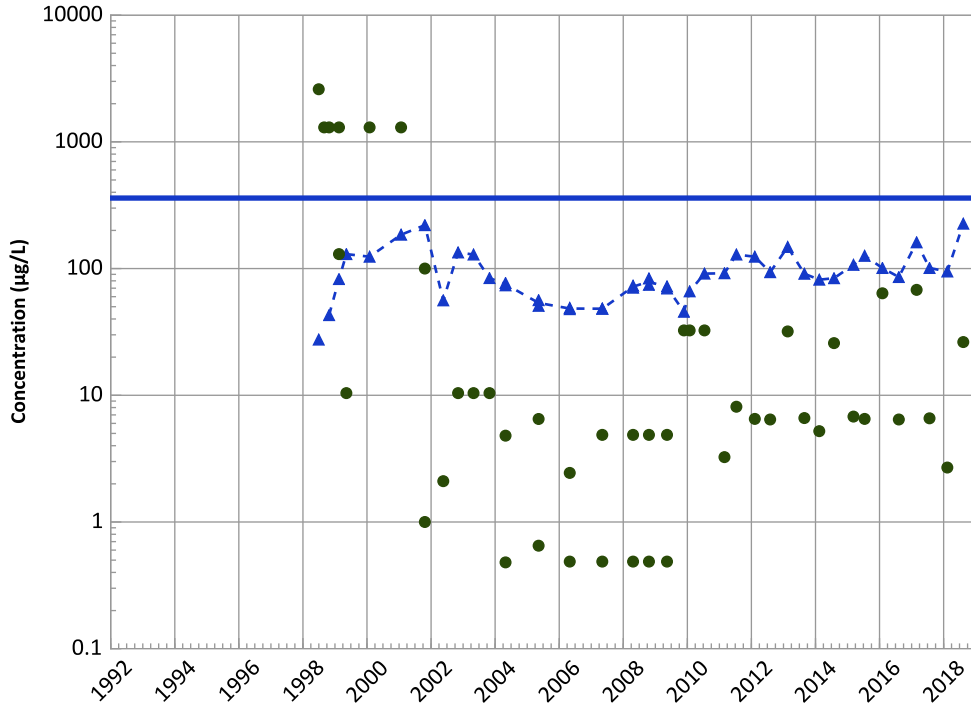
Data (2017 - 2021):

Stable

All Data:

Probably Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

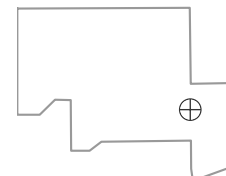
All Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

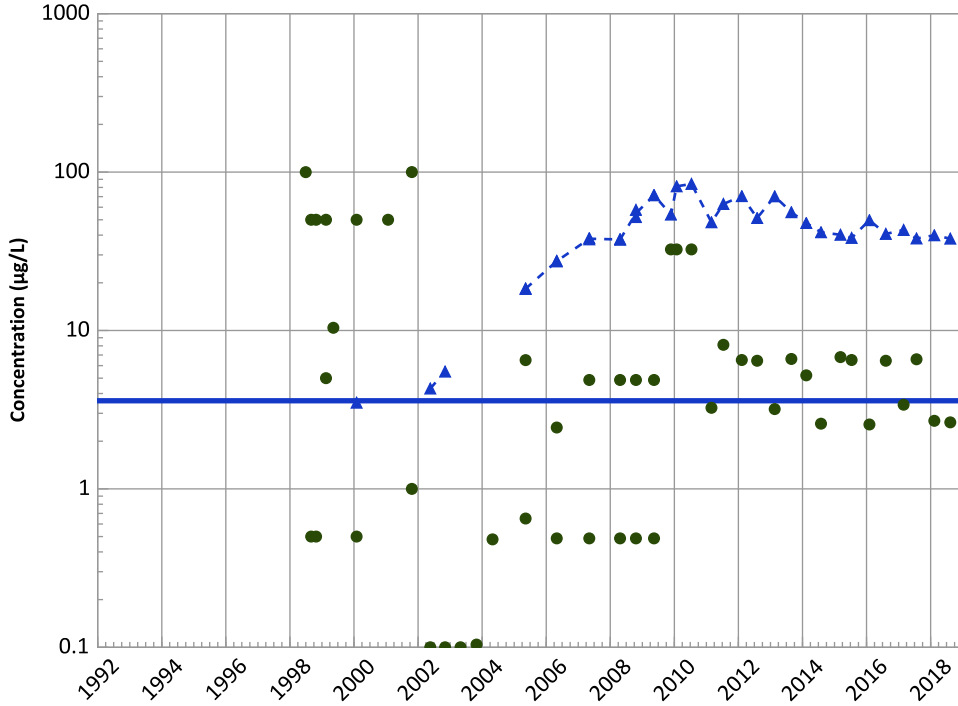
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

TNT (2,4,6-Trinitrotoluene) Trend

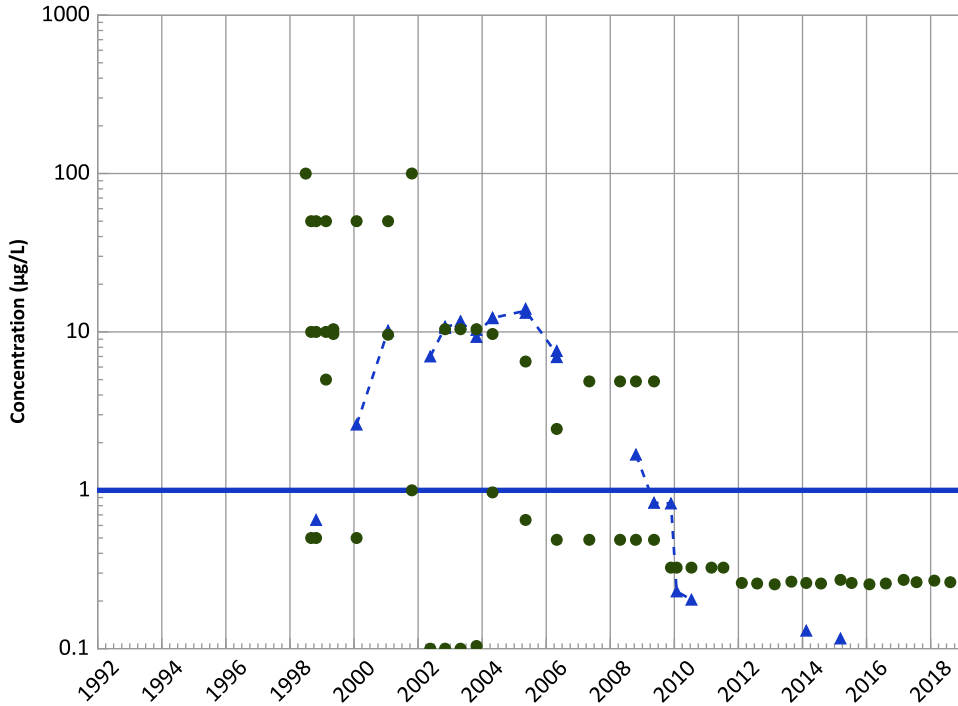


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

2,4-Dinitrotoluene Trend

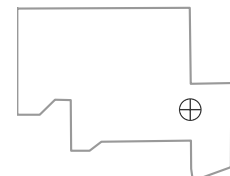


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

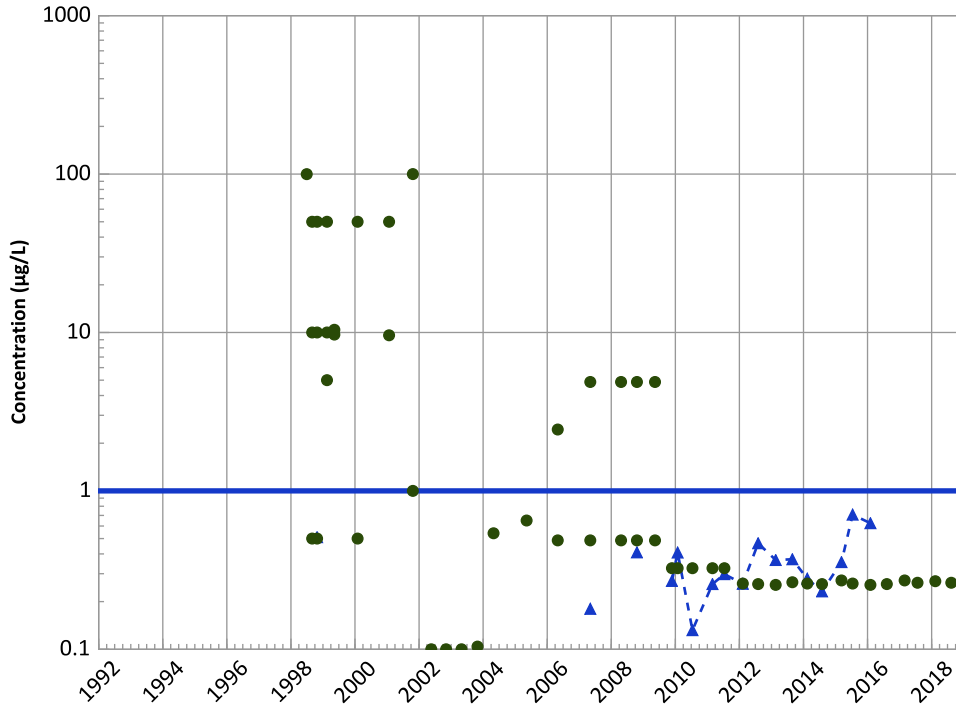


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

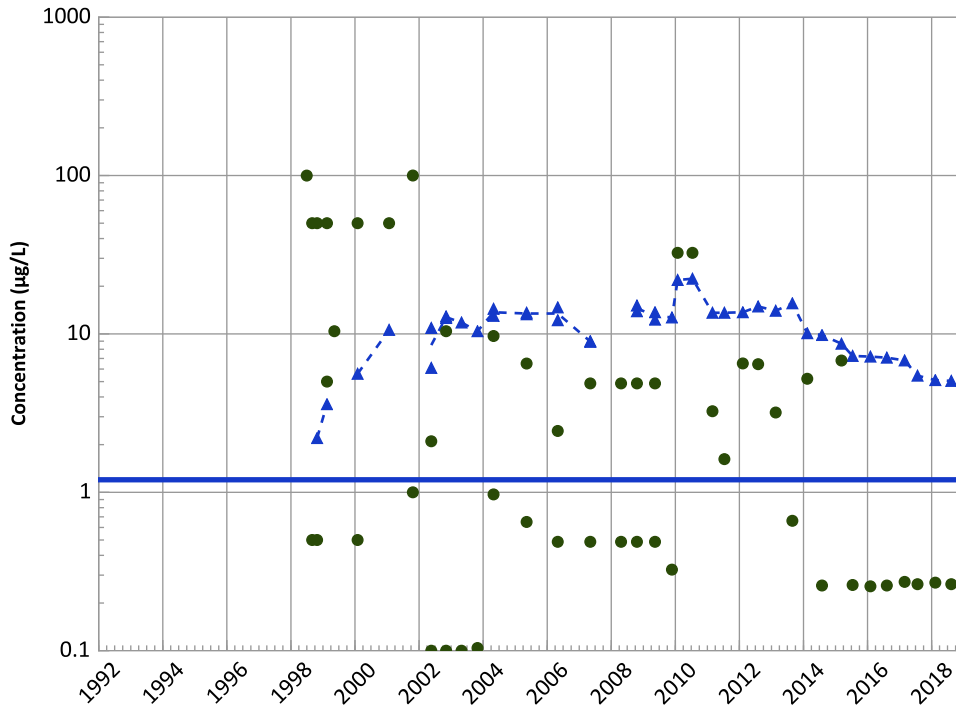
Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

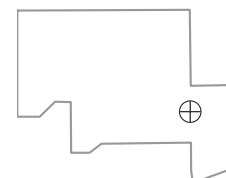
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

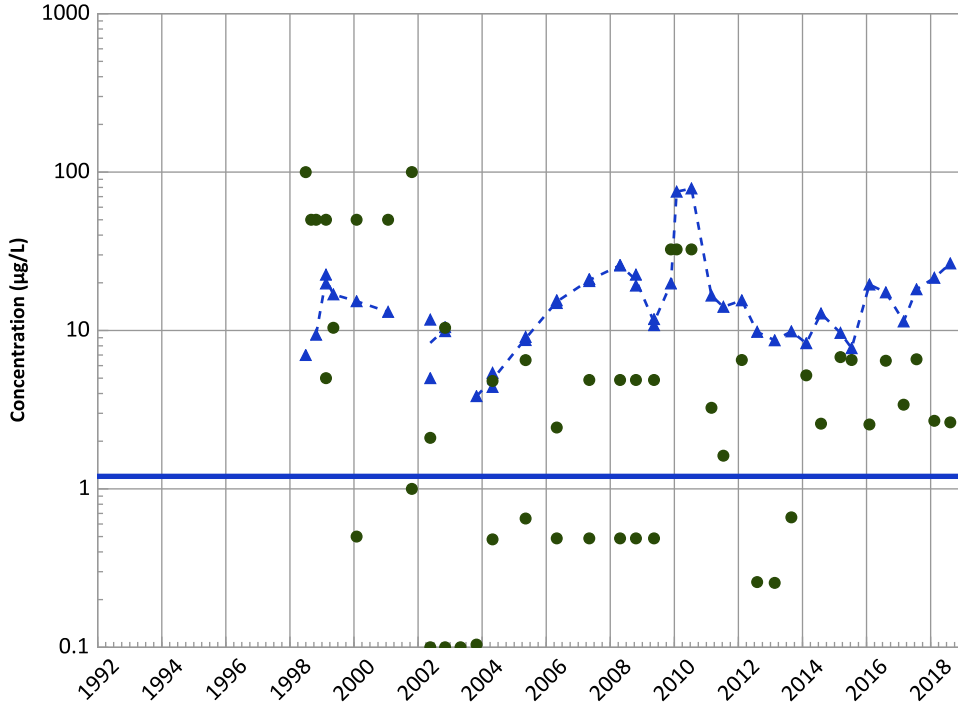
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

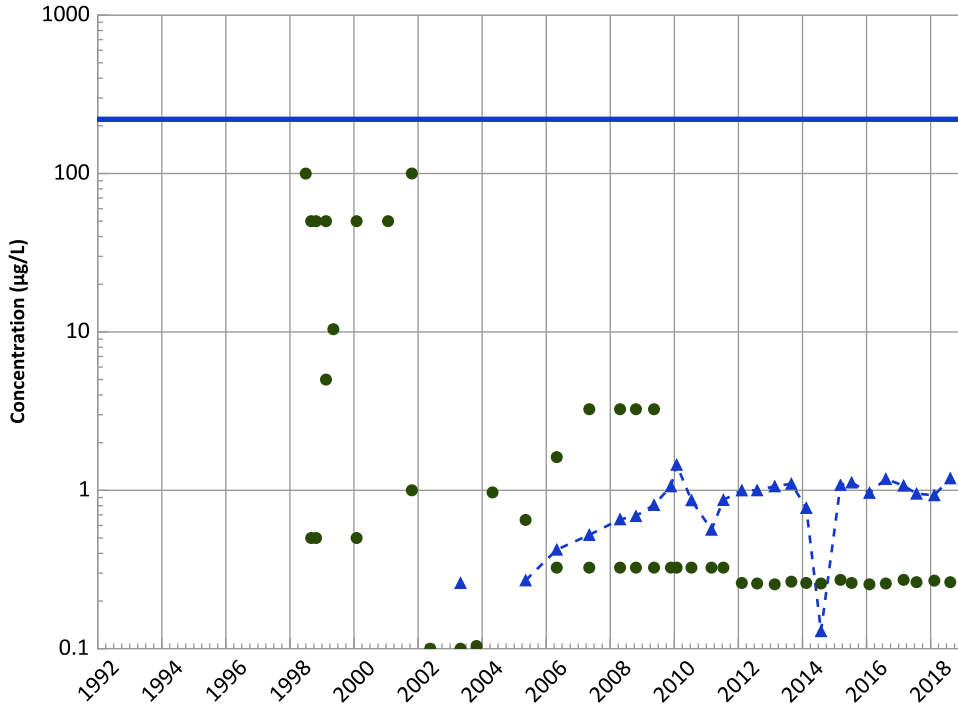
Data (2017 - 2021):

No Trend

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

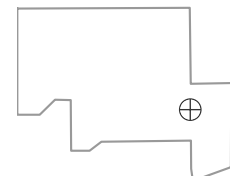
Data (2017 - 2021):

Decreasing

All Data:

Increasing

Well Location

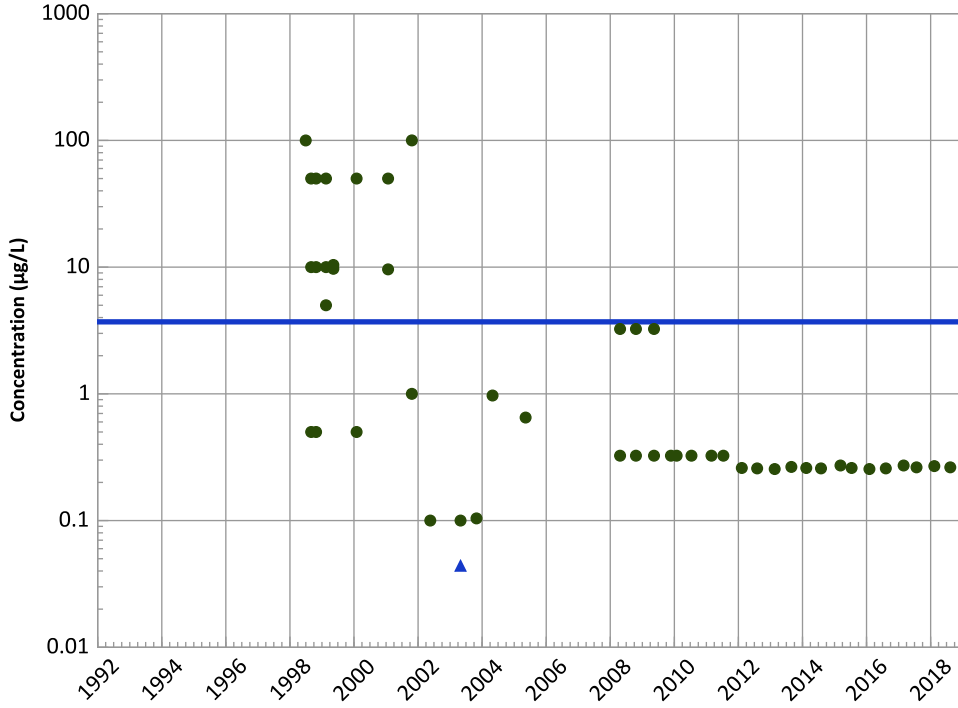


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

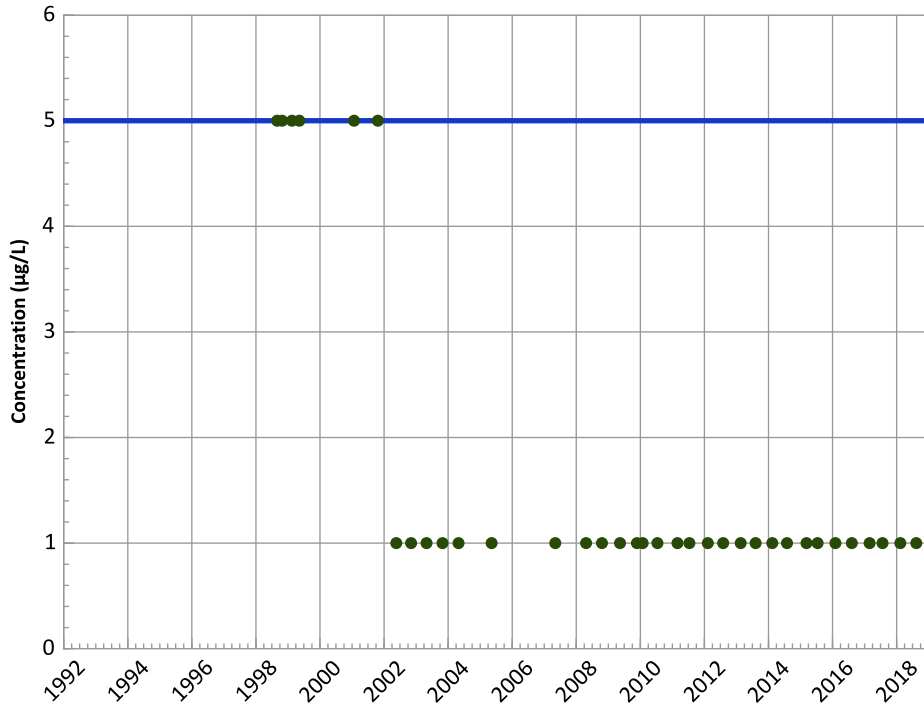
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

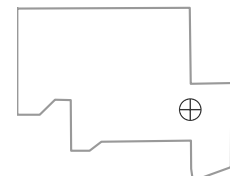
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

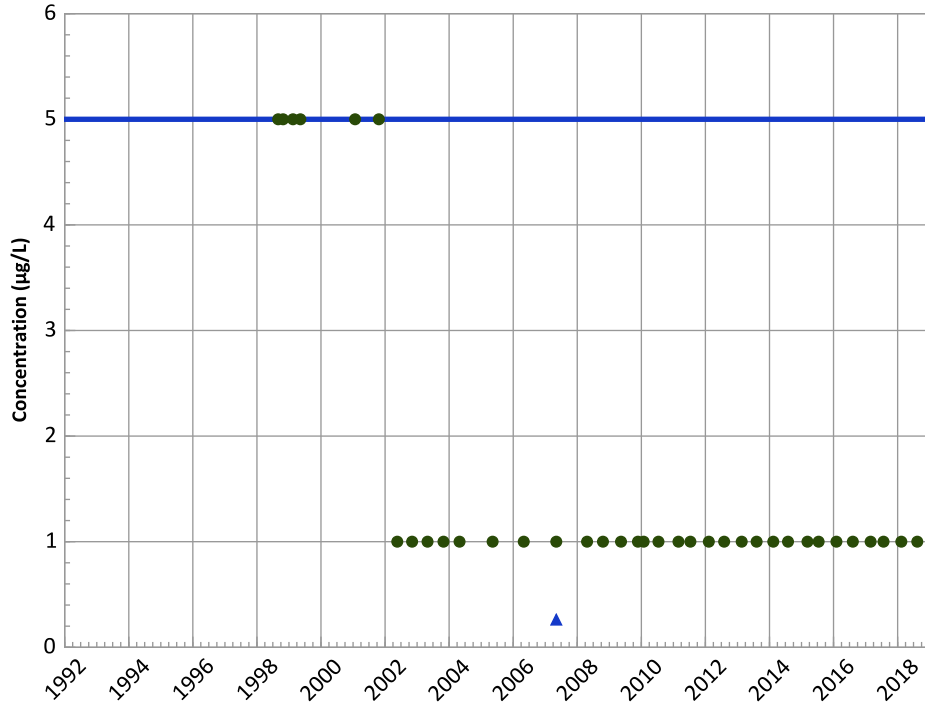


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

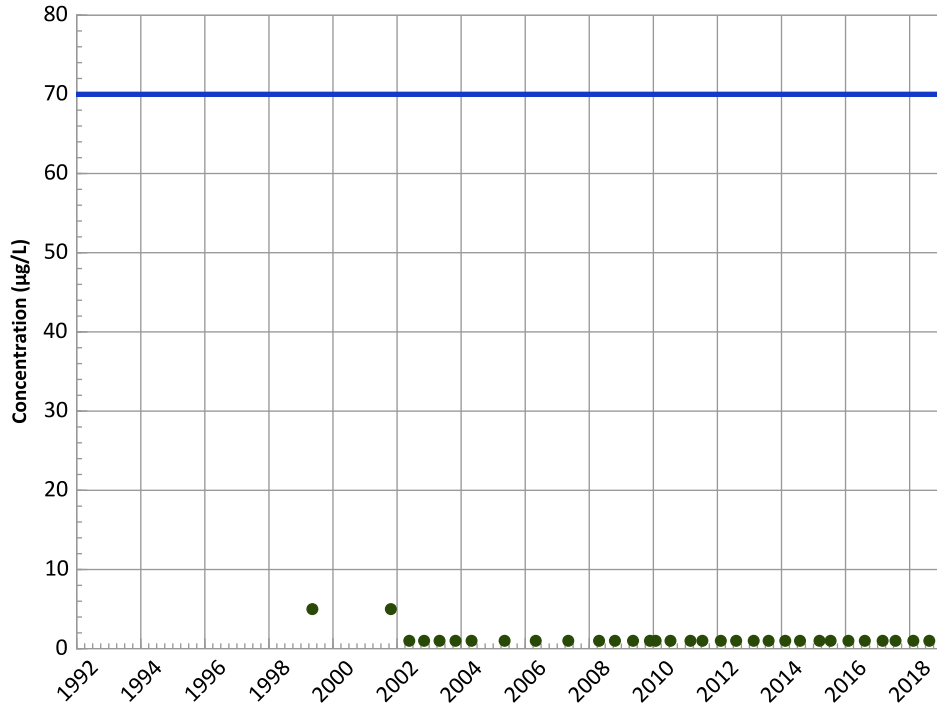
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

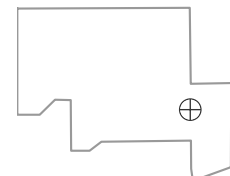
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

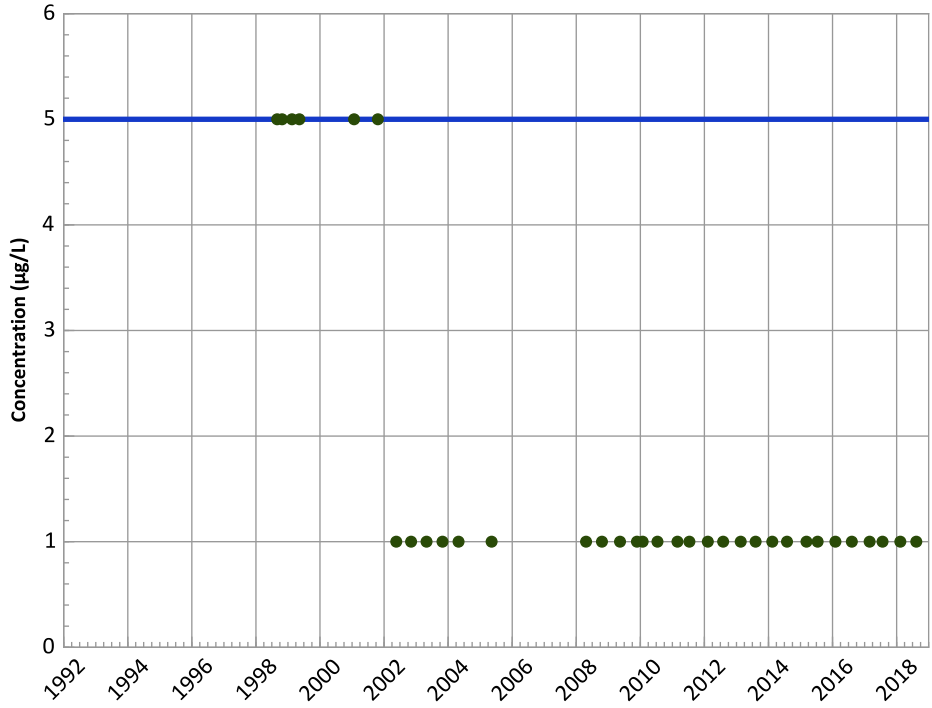
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

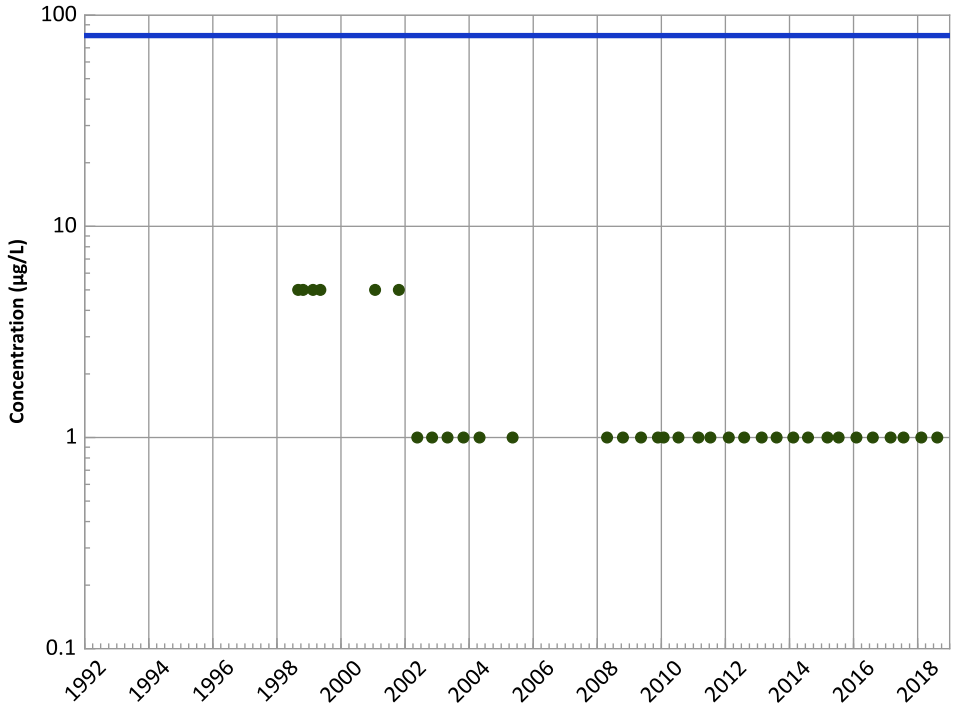
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

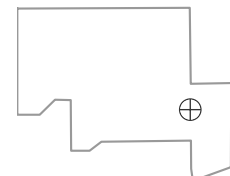
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

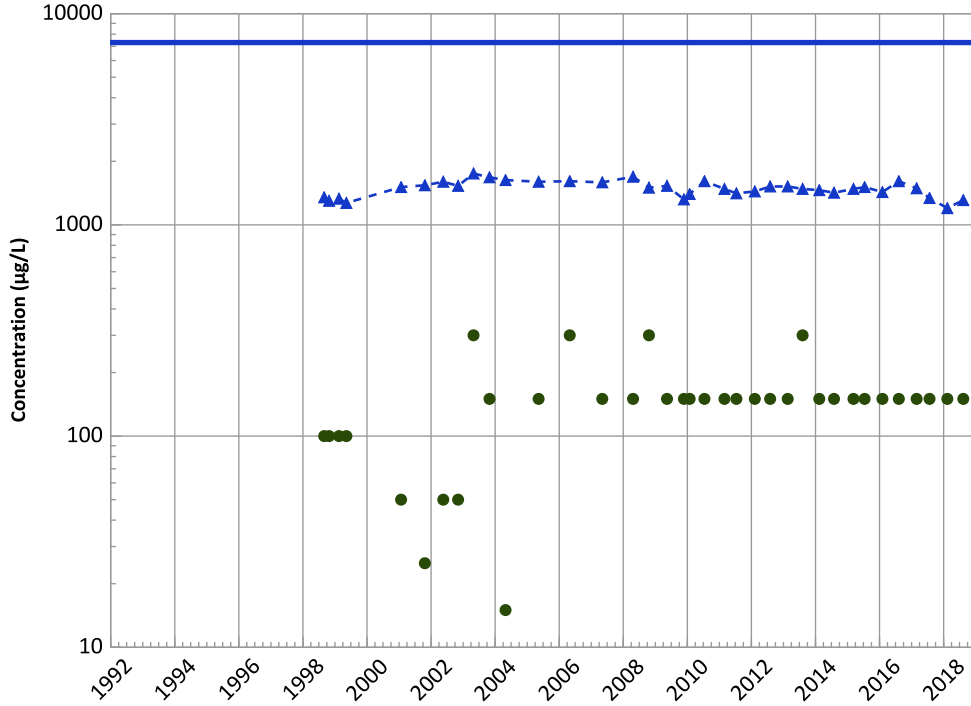


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

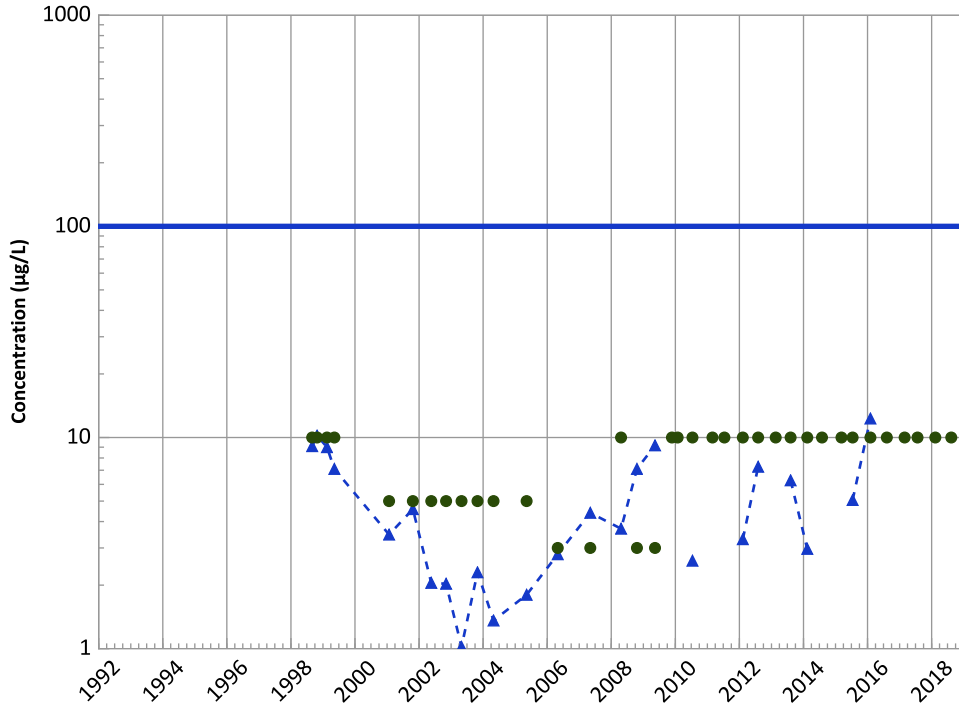
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

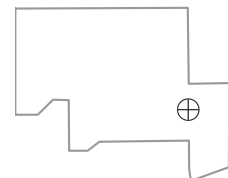
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

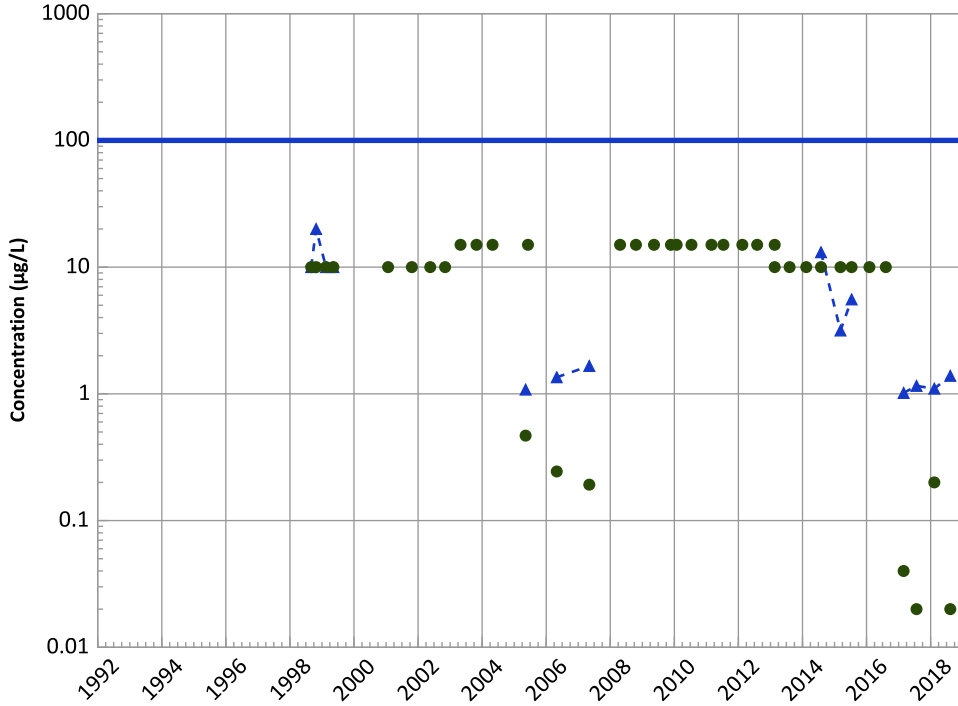
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Chromium, Hexavalent Trend

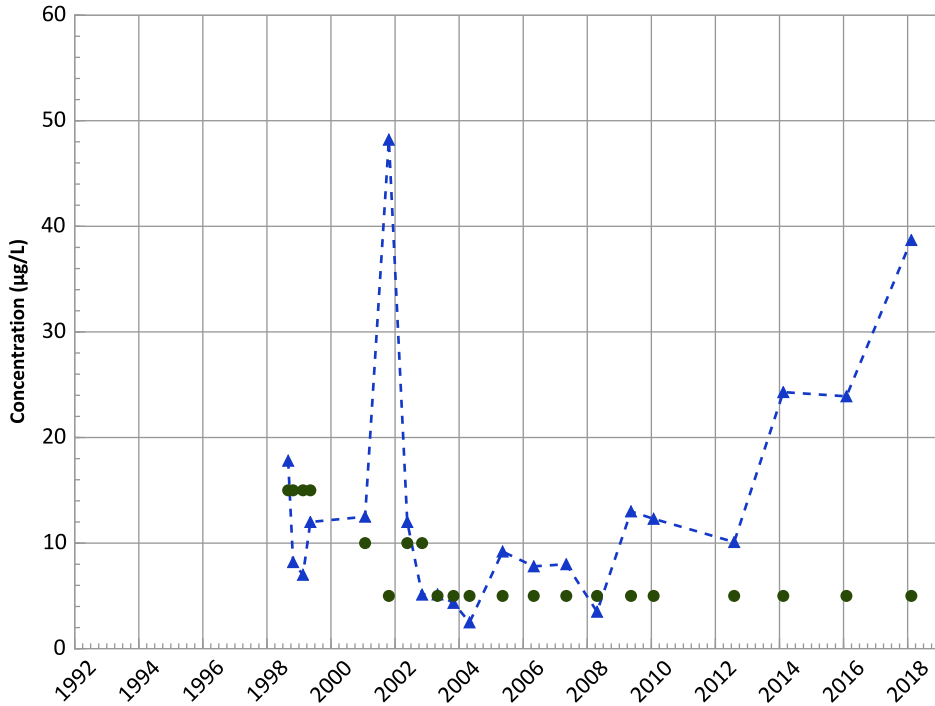


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend



Concentration Trend

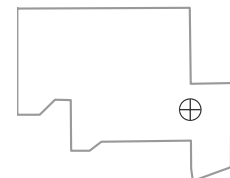
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Increasing

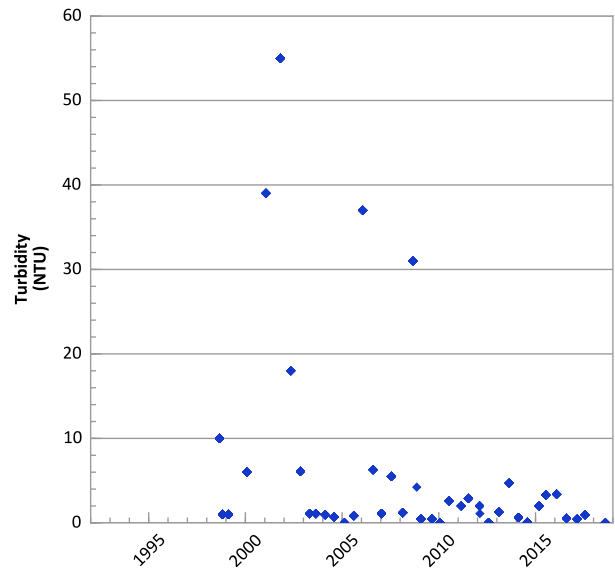
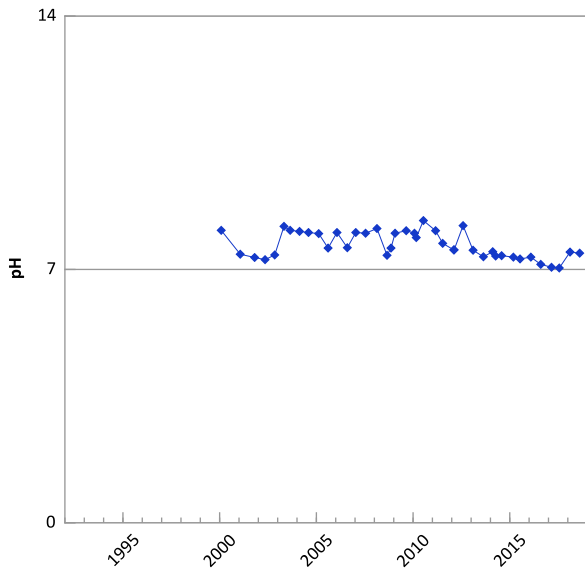
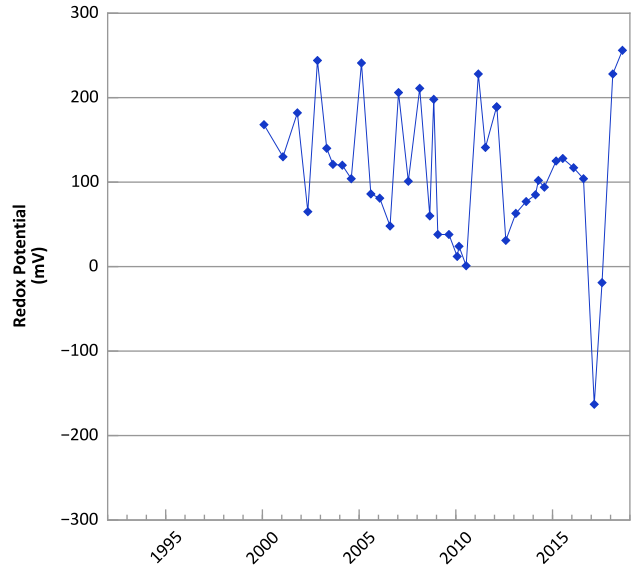
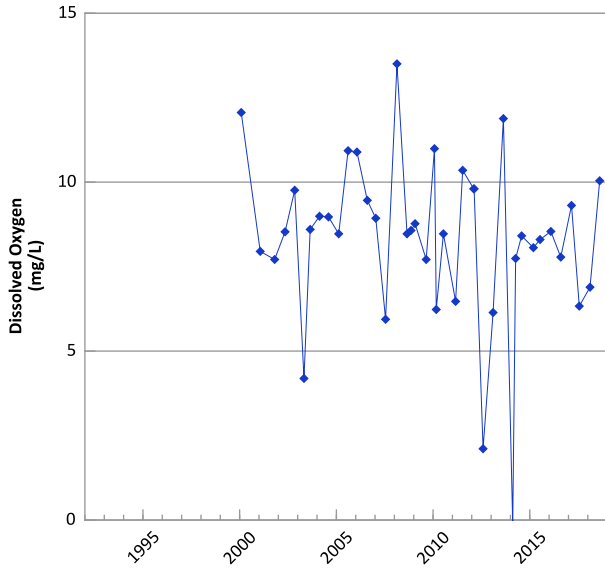
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

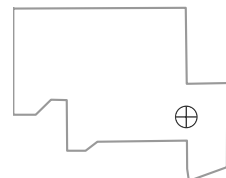


**PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



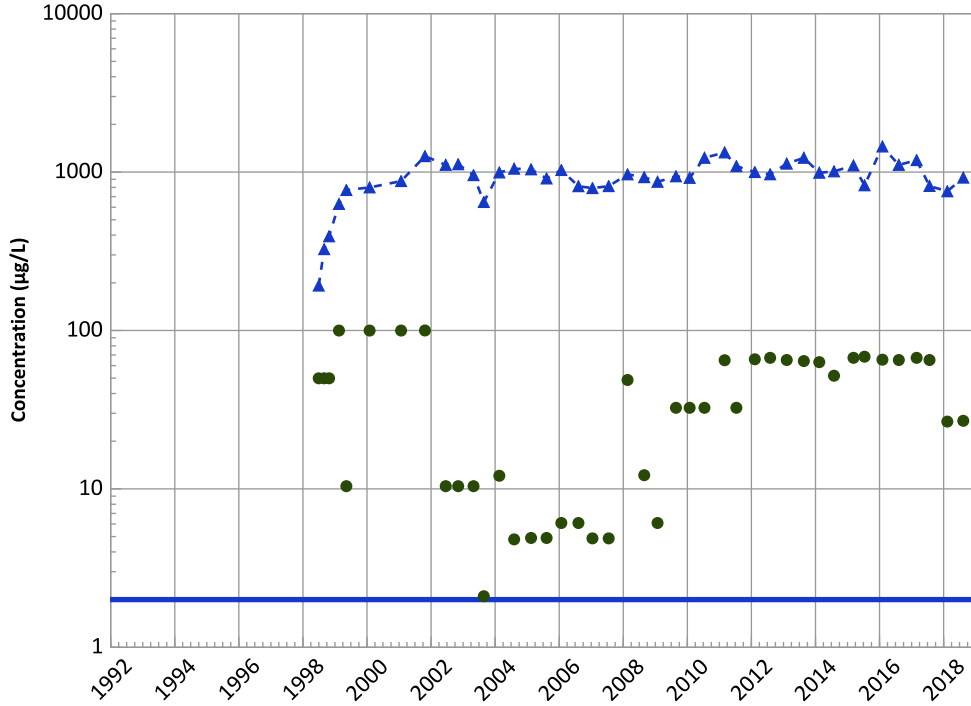
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/30/1998 to 08/13/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

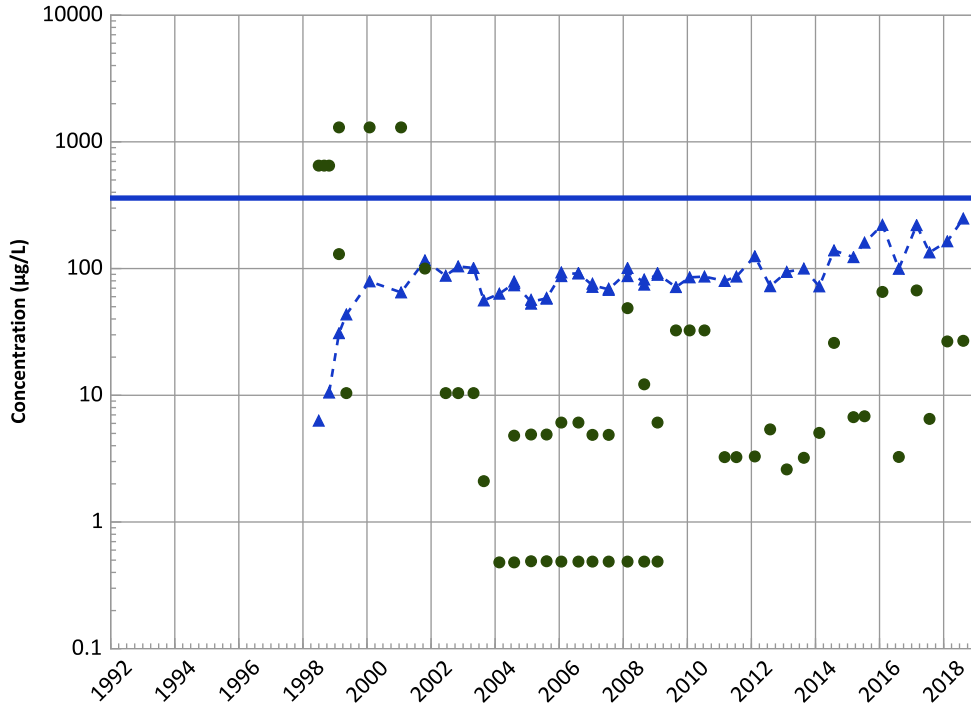
Data (2017 - 2021):

No Trend

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

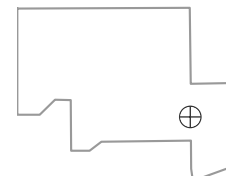
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

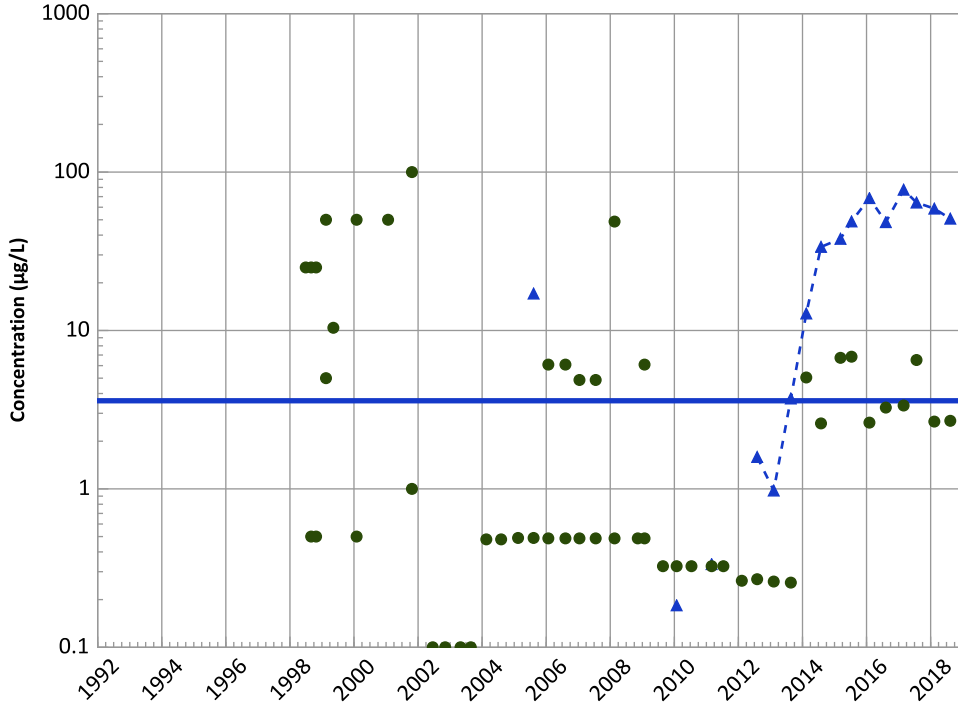
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

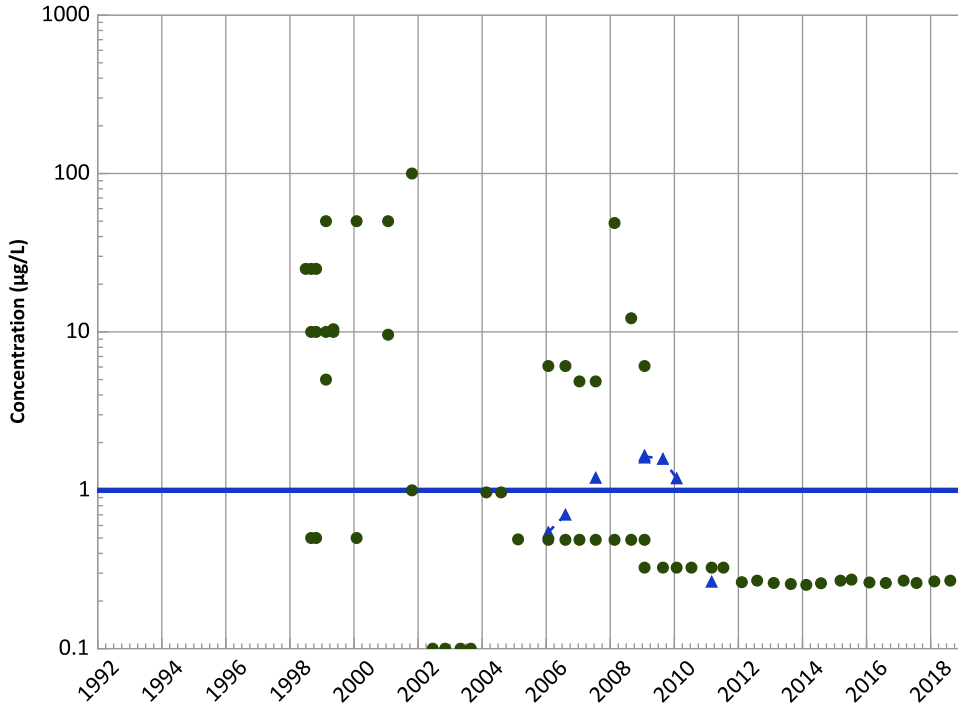


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

2,4-Dinitrotoluene Trend



Concentration Trend

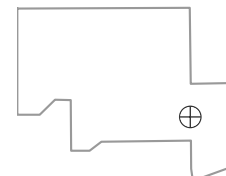
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

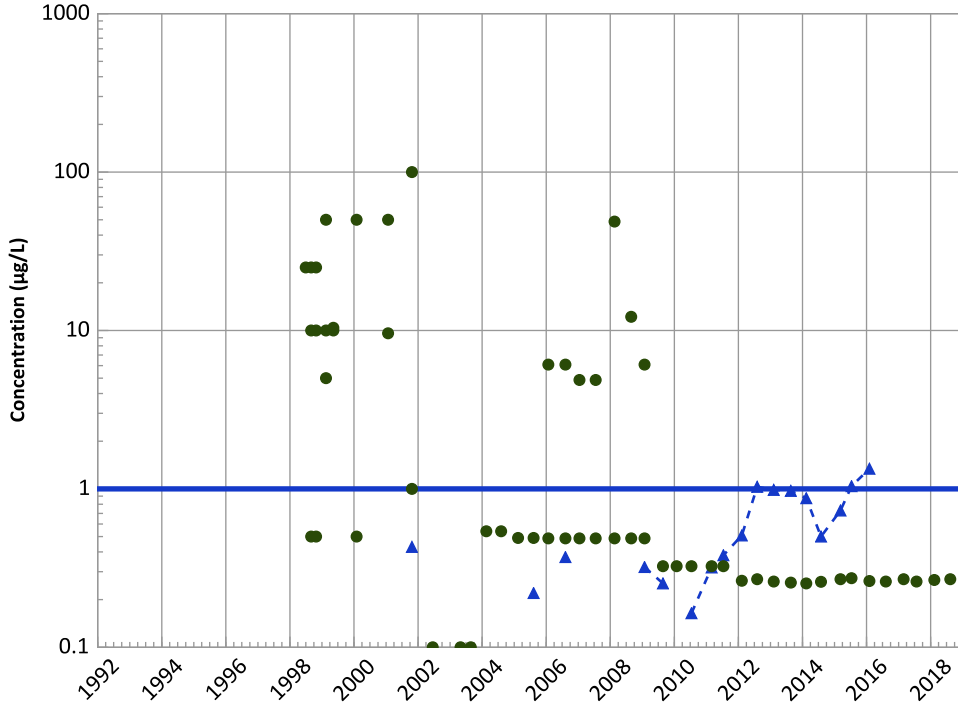
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

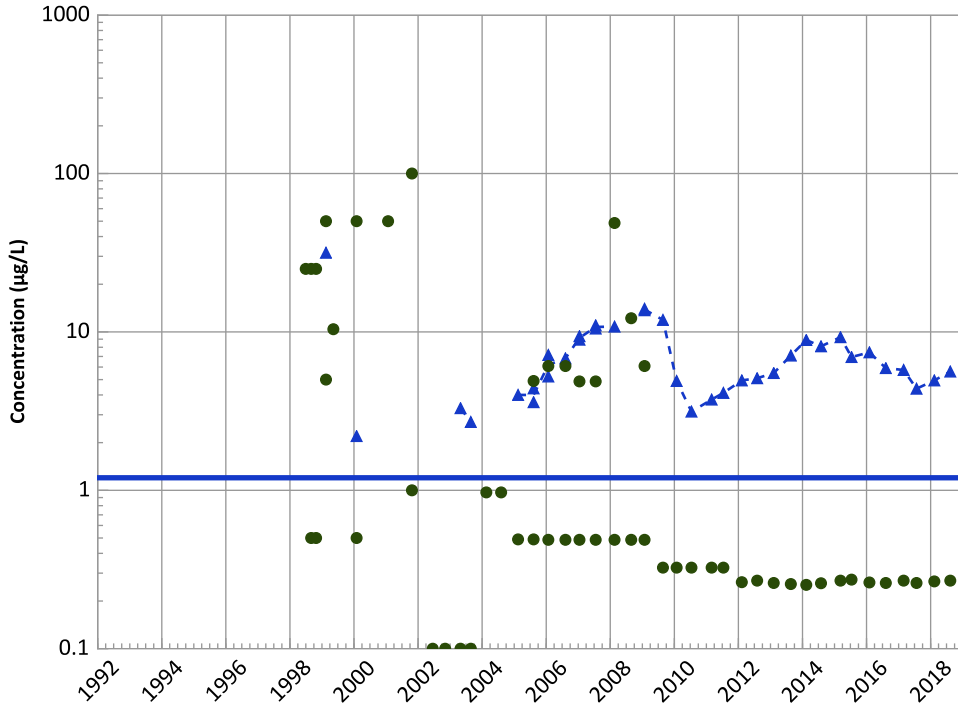
Data (2017 - 2021):

No Trend

All Data:

Increasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

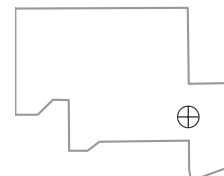
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

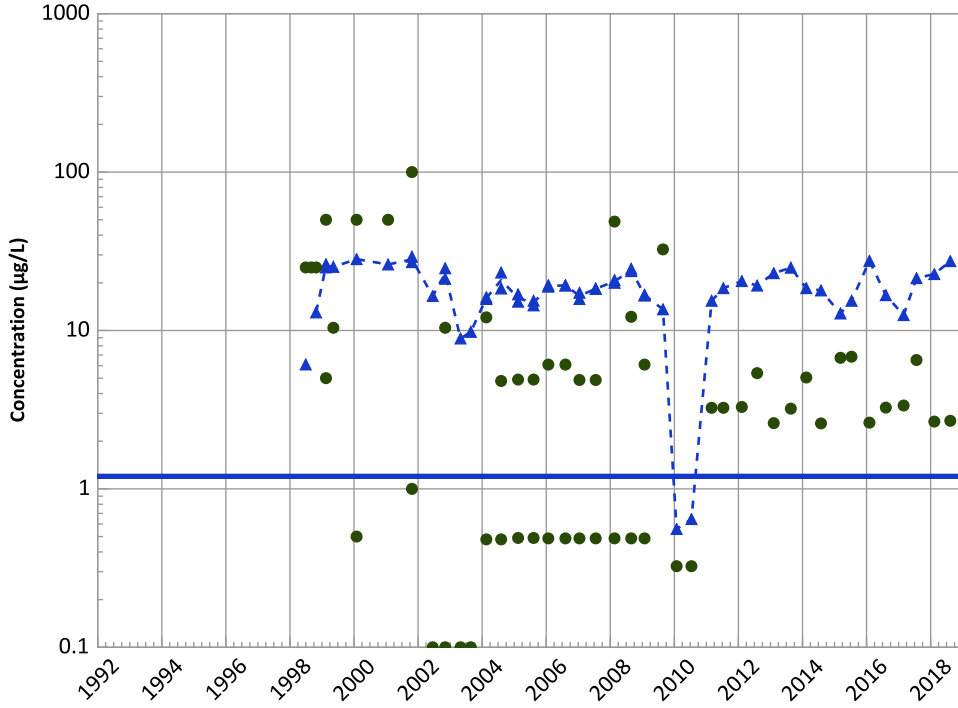
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

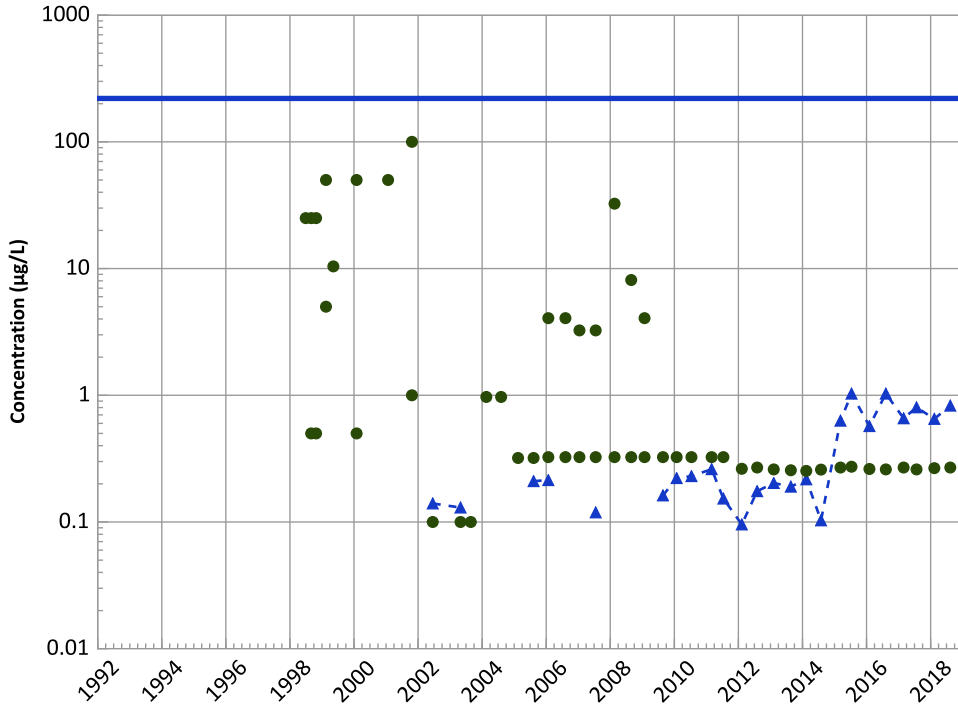
Data (2017 - 2021):

Stable

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

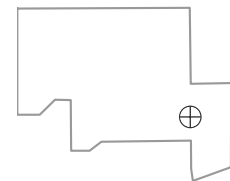
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

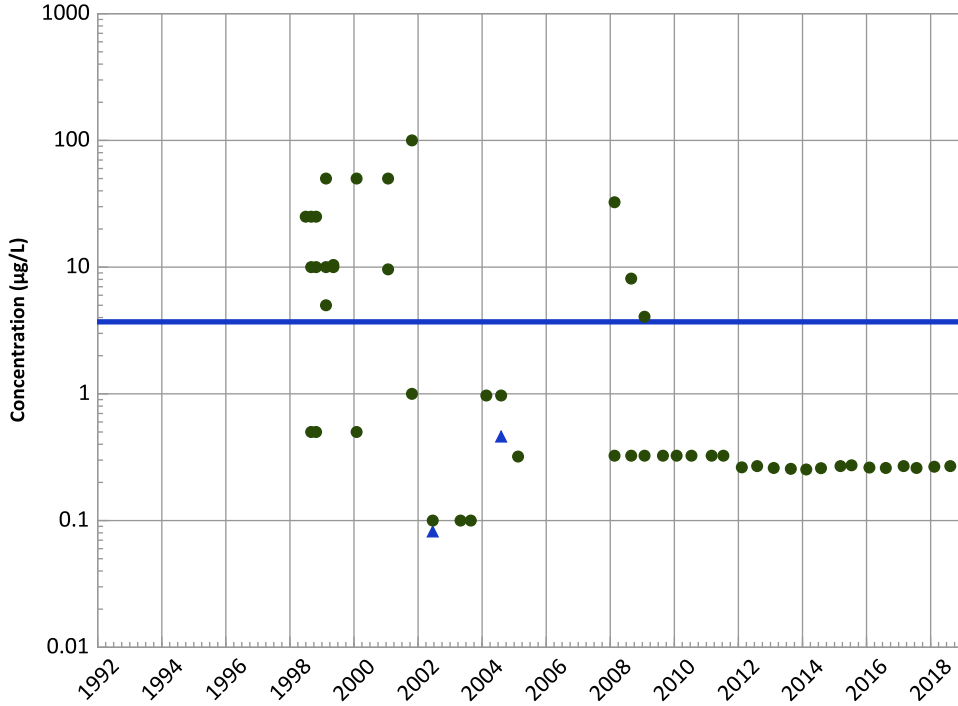


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

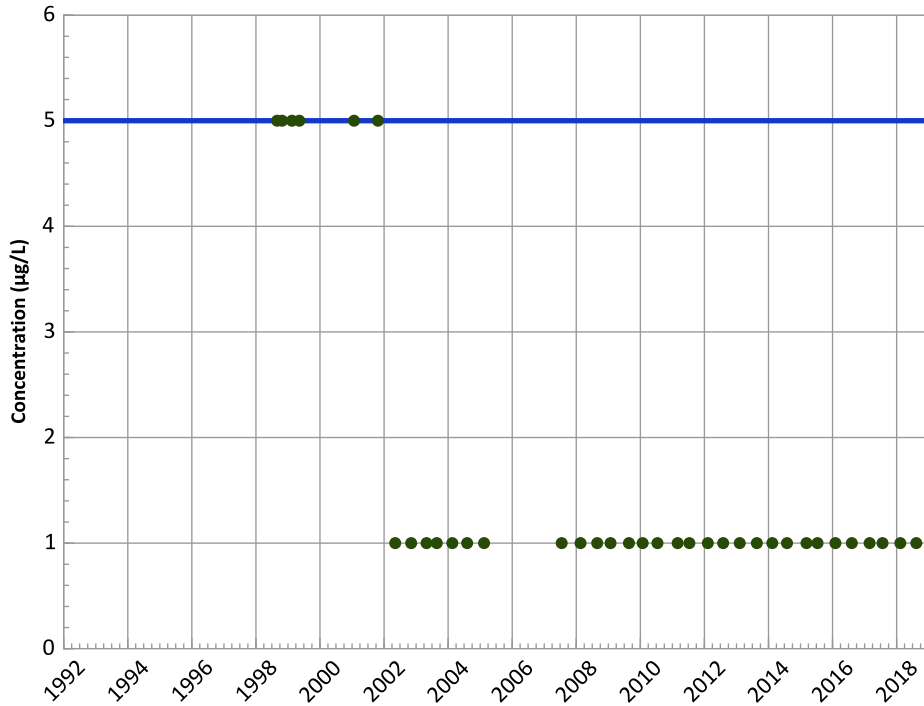
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

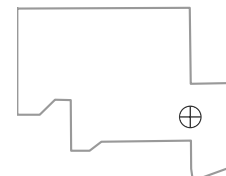
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

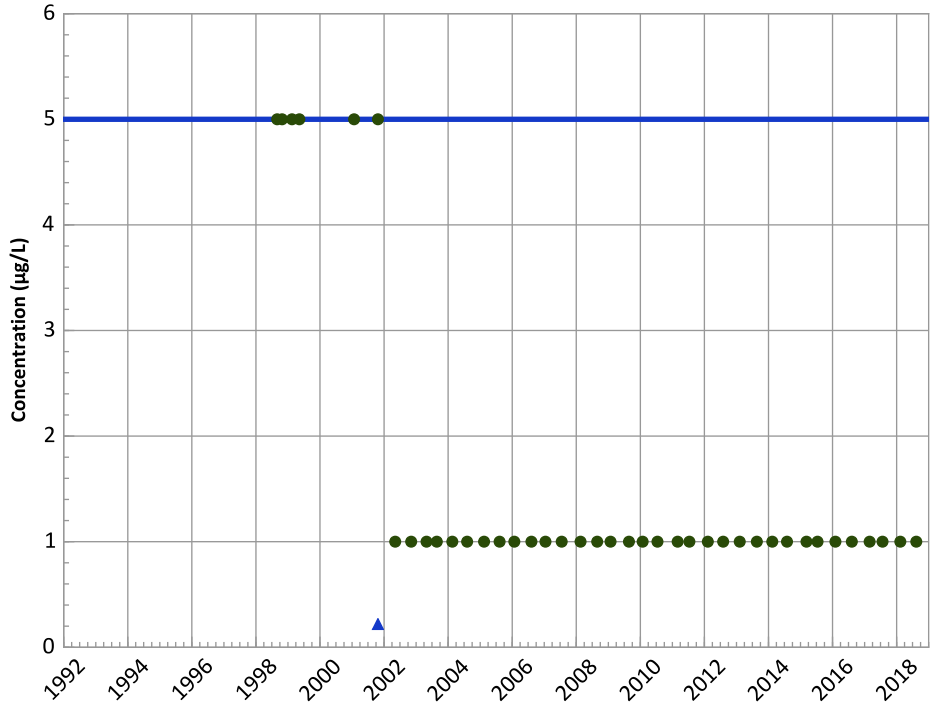
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

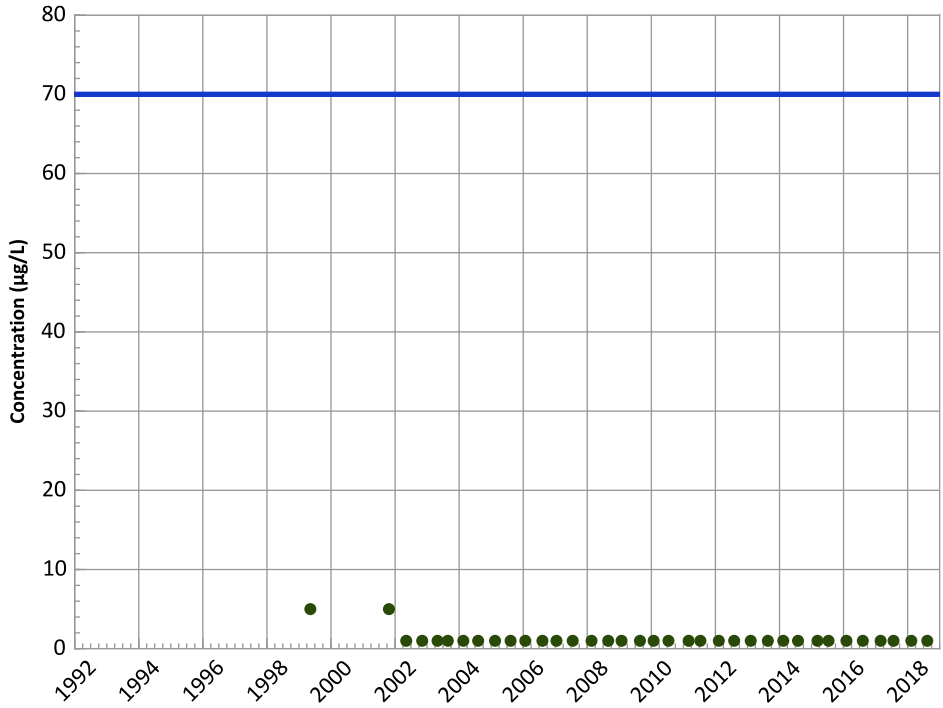


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend

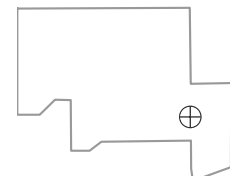


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

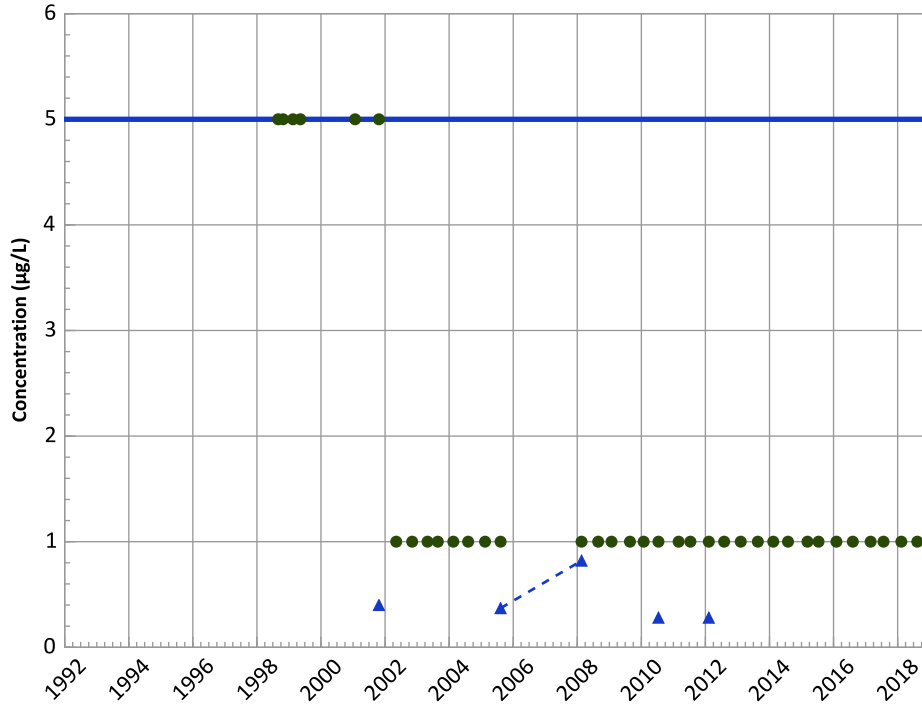


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend

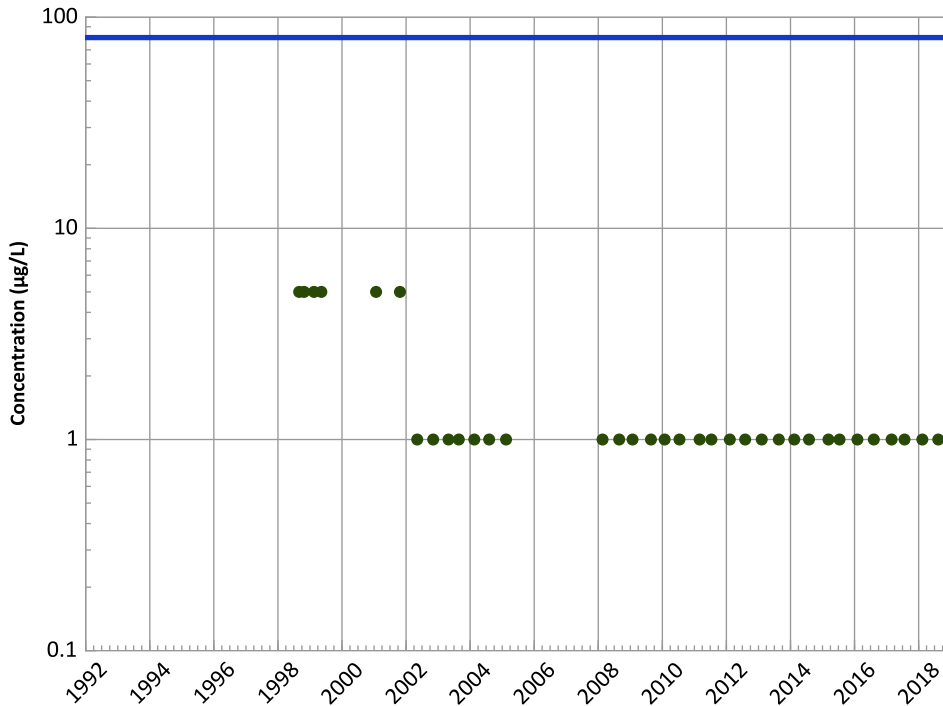


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Chloroform Trend

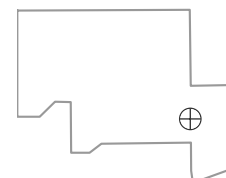


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

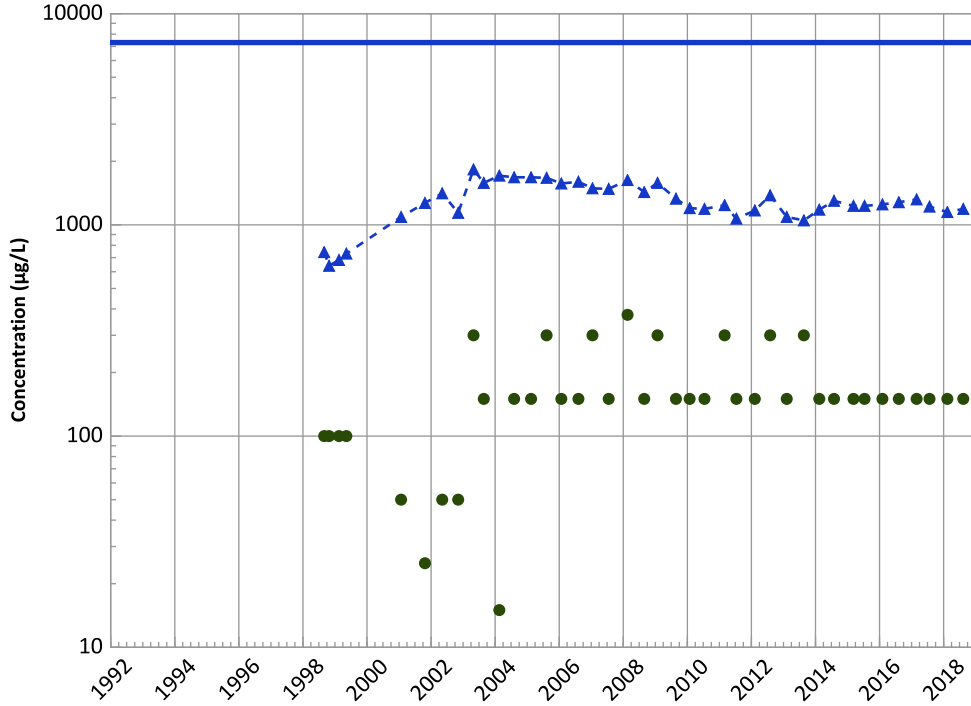


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

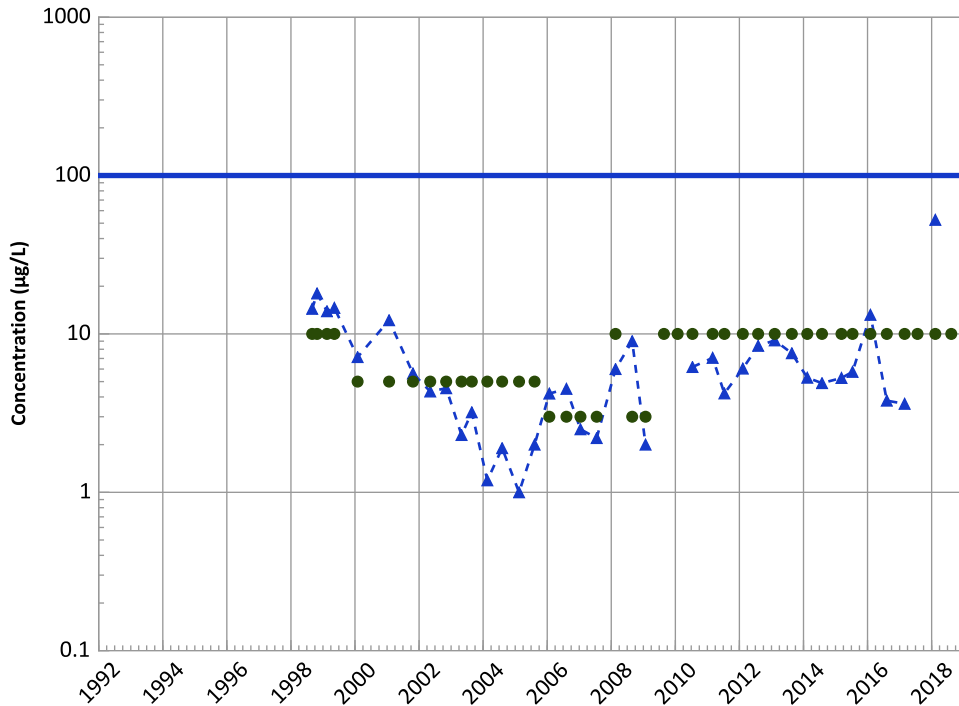
Data (2017 - 2021):

No Trend

All Data:

No Trend

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

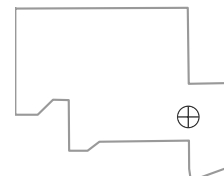
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

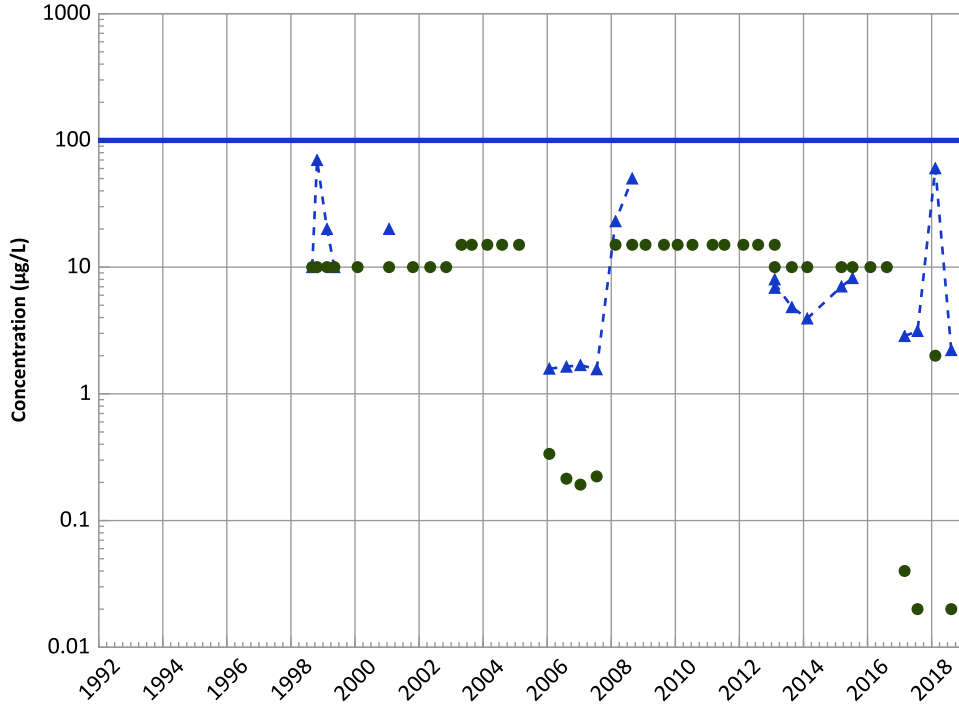
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1040 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

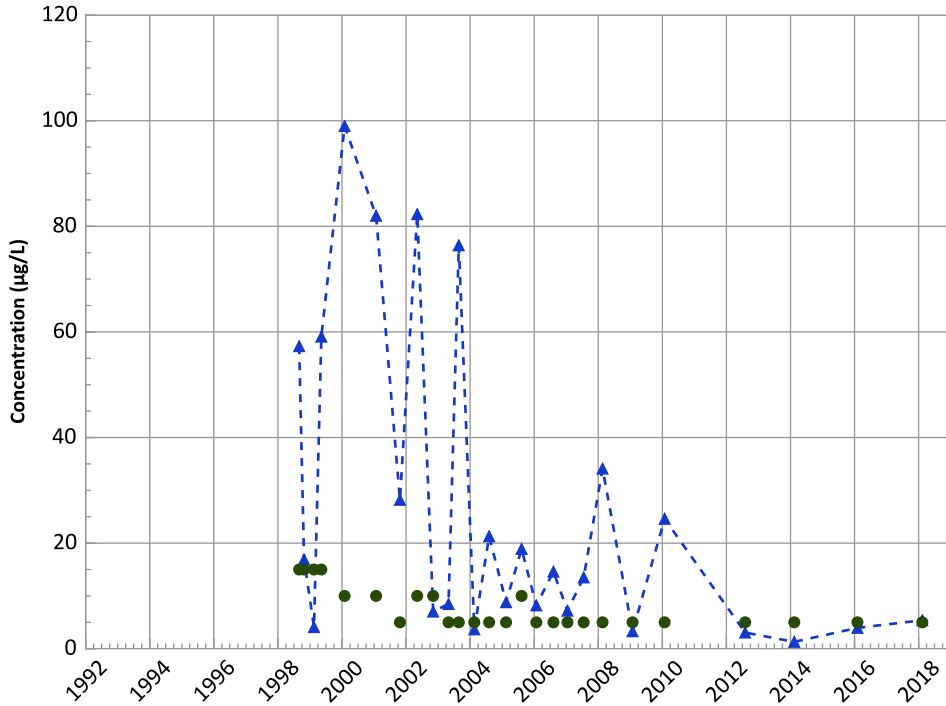
Data (2017 - 2021):

No Trend

All Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

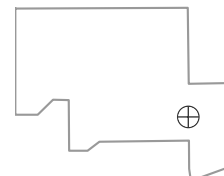
All Data:

Decreasing

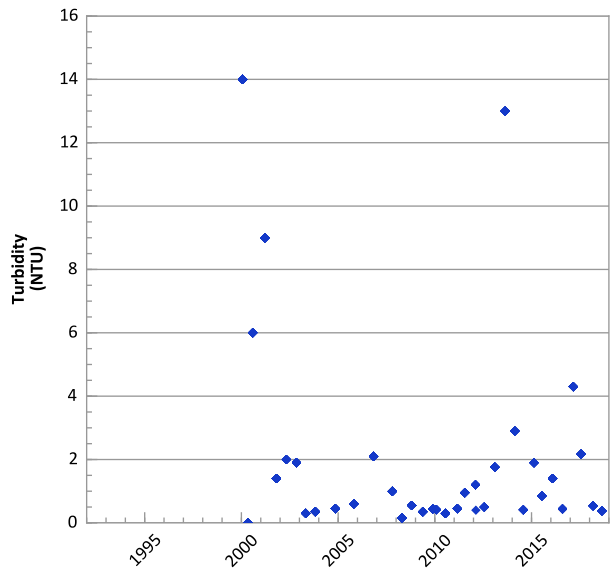
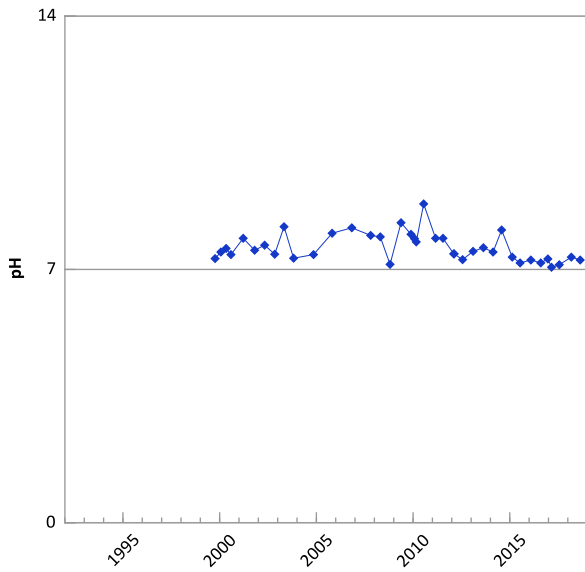
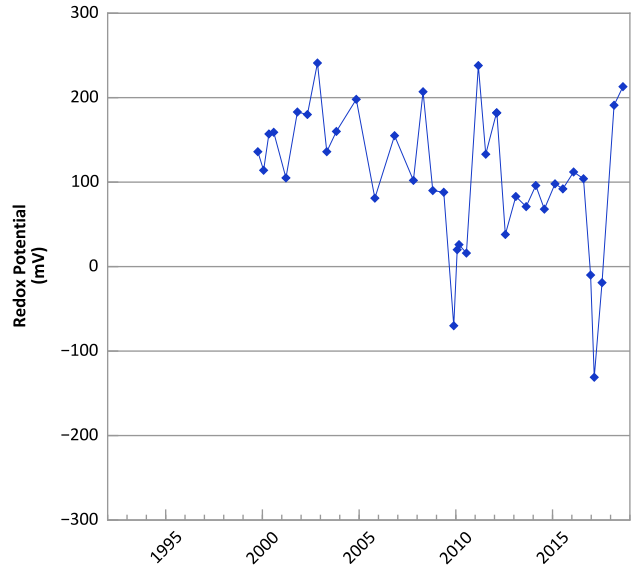
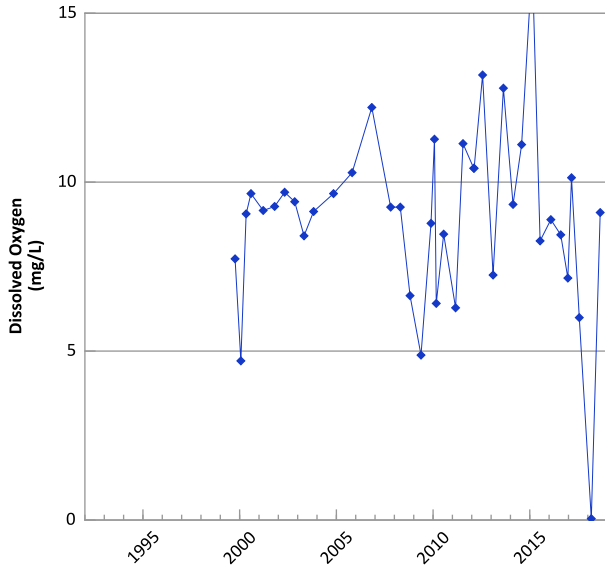
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/30/1998 to 08/13/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

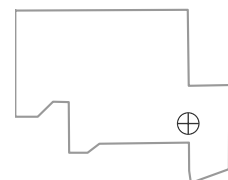


**PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



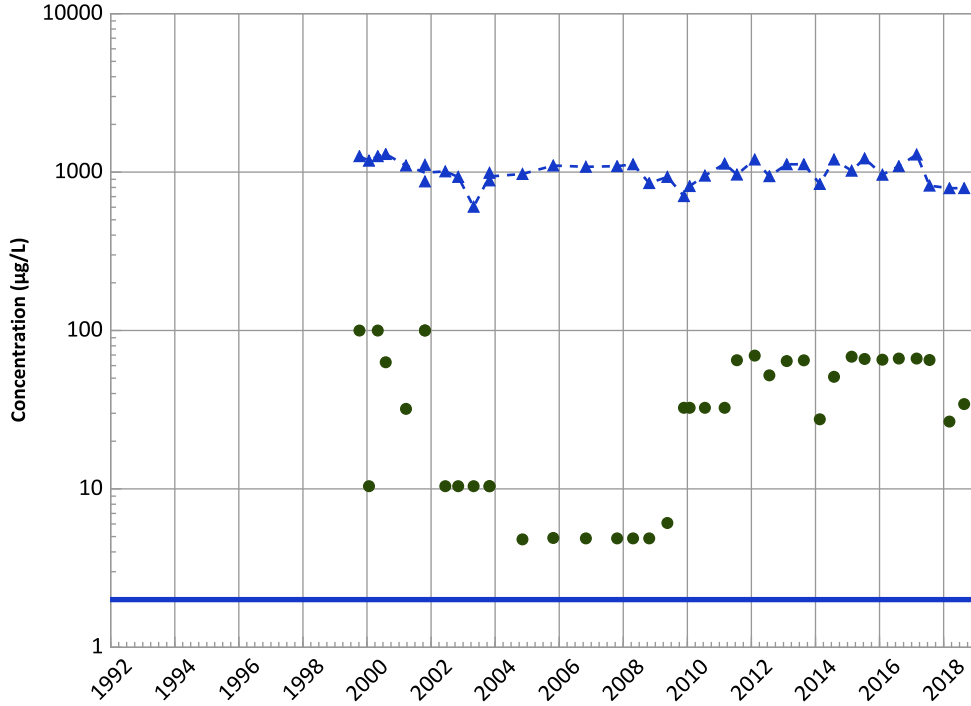
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/07/1999 to 08/23/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

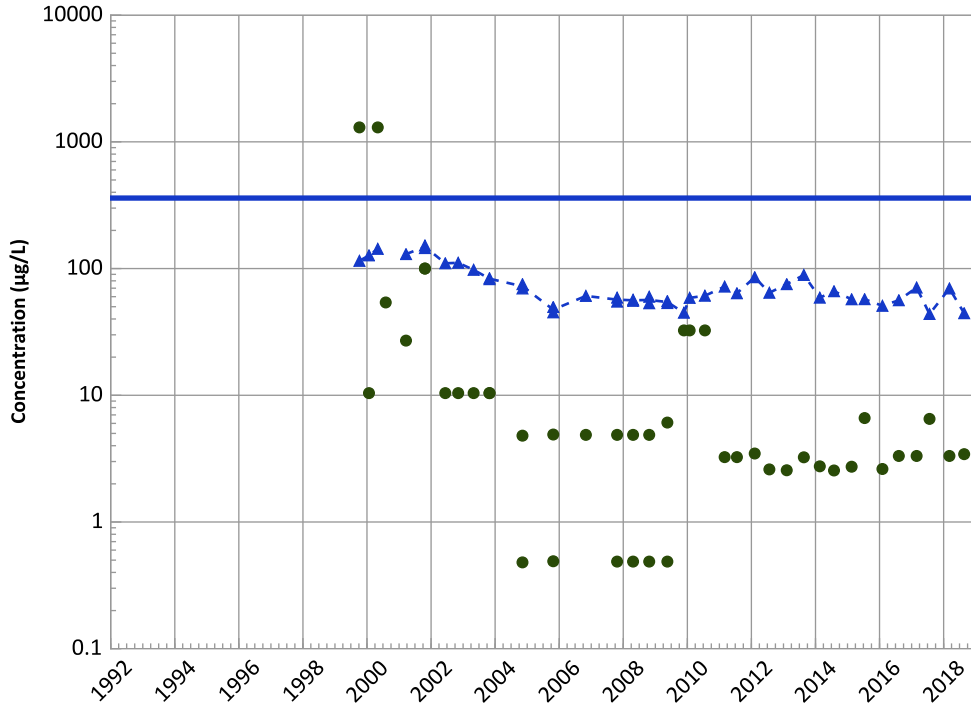
Data (2017 - 2021):

Decreasing

All Data:

Stable

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

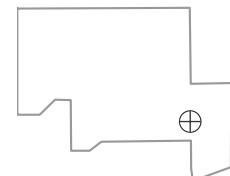
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

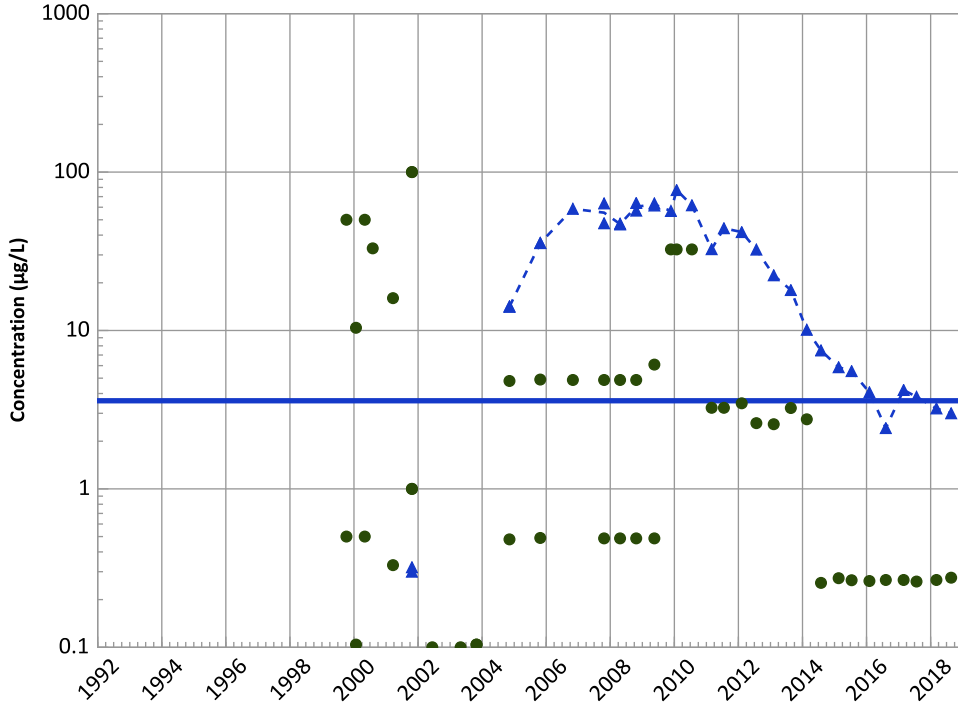


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

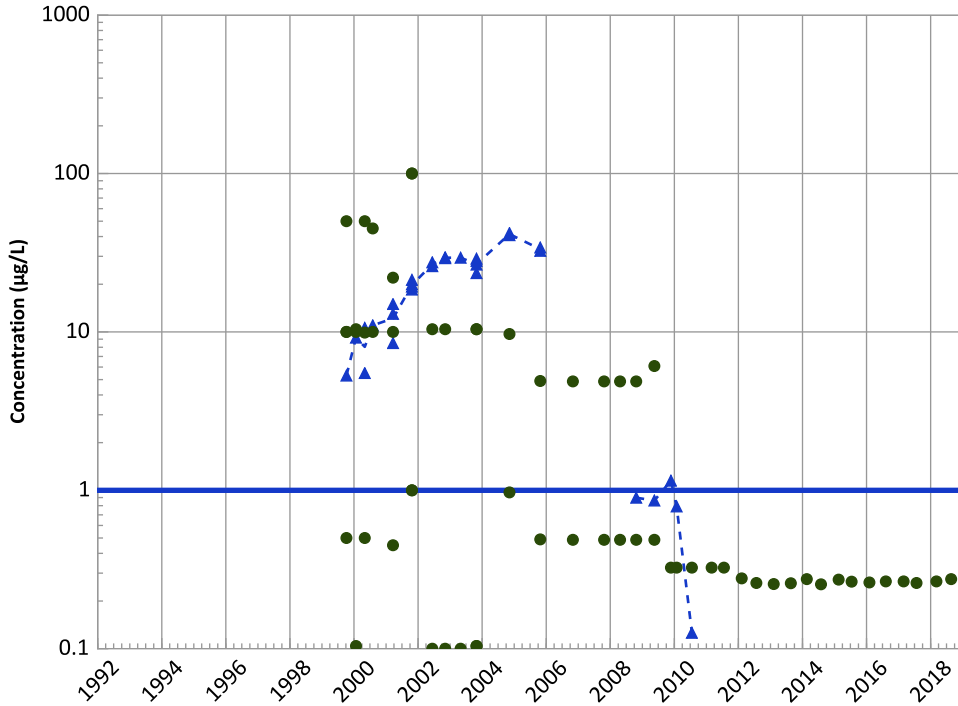
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

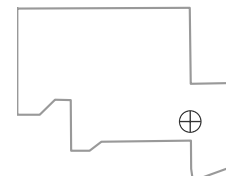
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

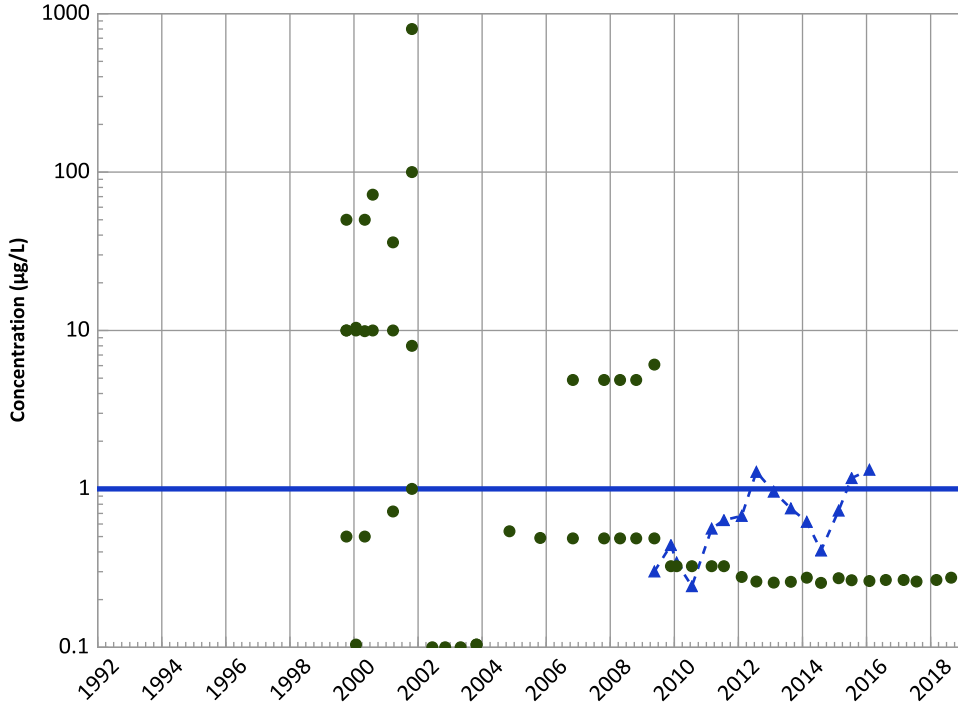
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

MAROS Linear Regression Method

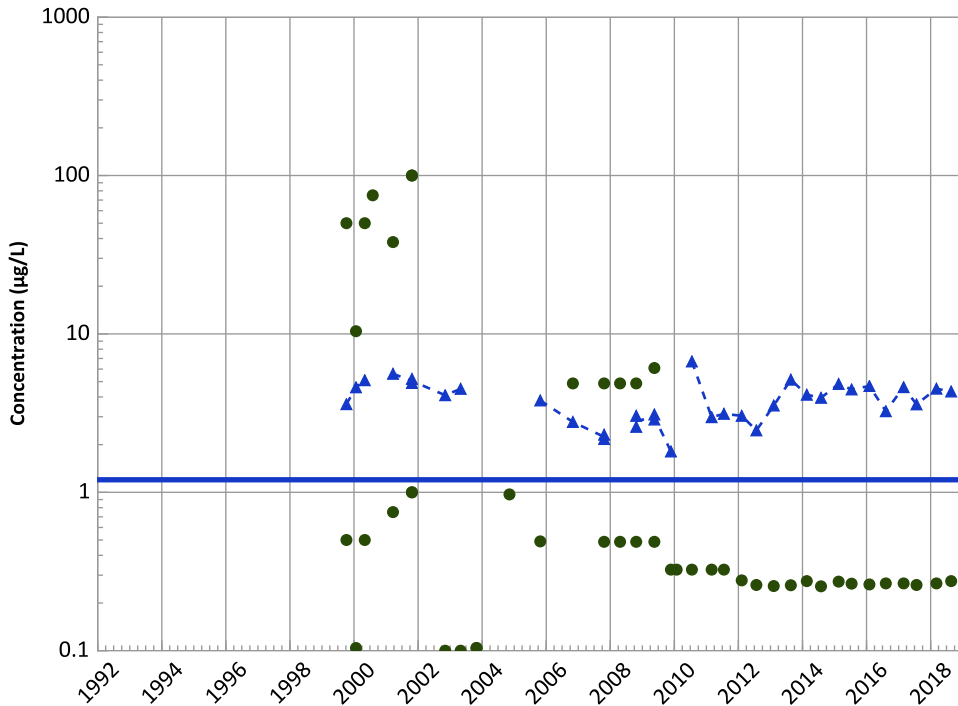
Data (2017 - 2021):

No Trend

All Data:

Increasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

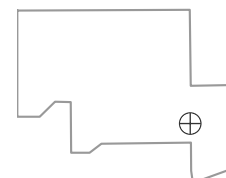
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

Well Location

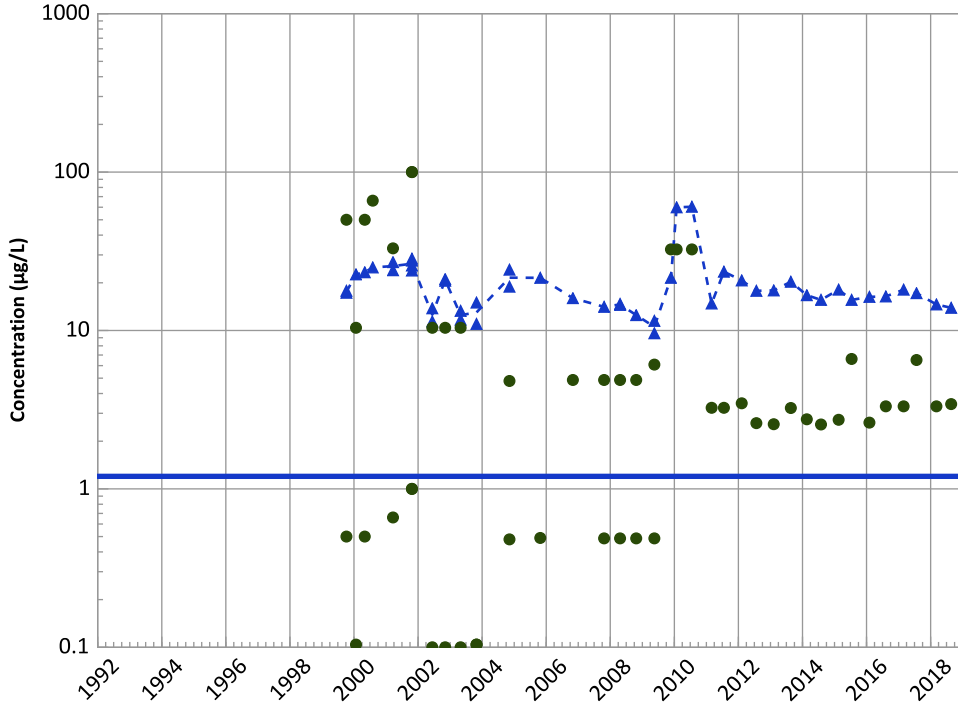


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

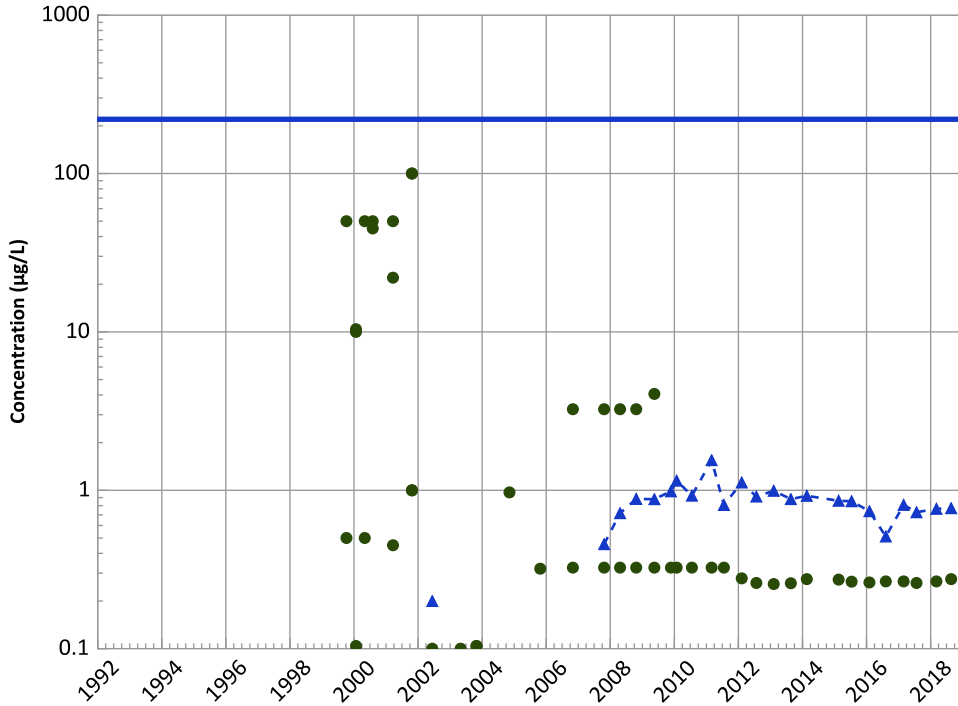
Data (2017 - 2021):

Decreasing

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

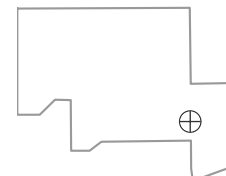
Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

Well Location

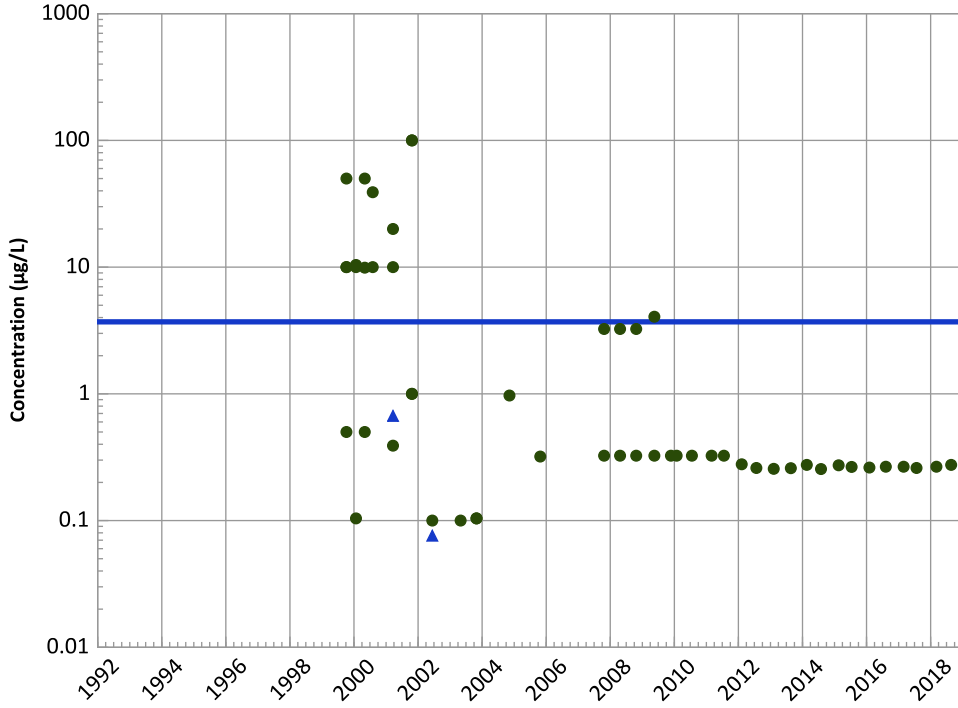


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

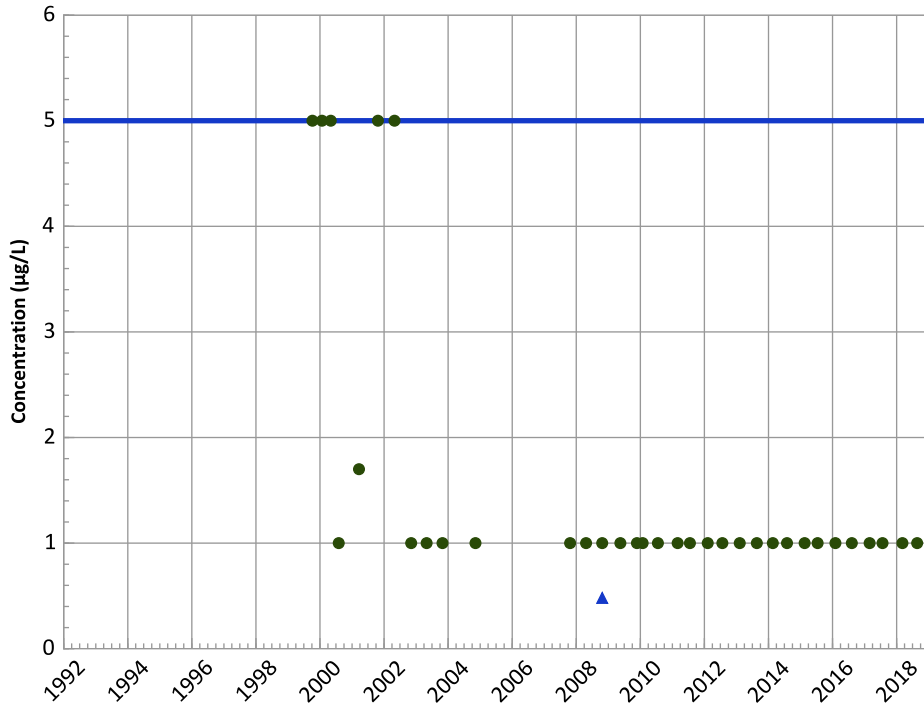
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

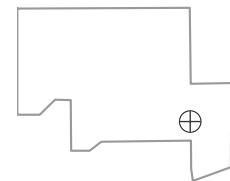
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

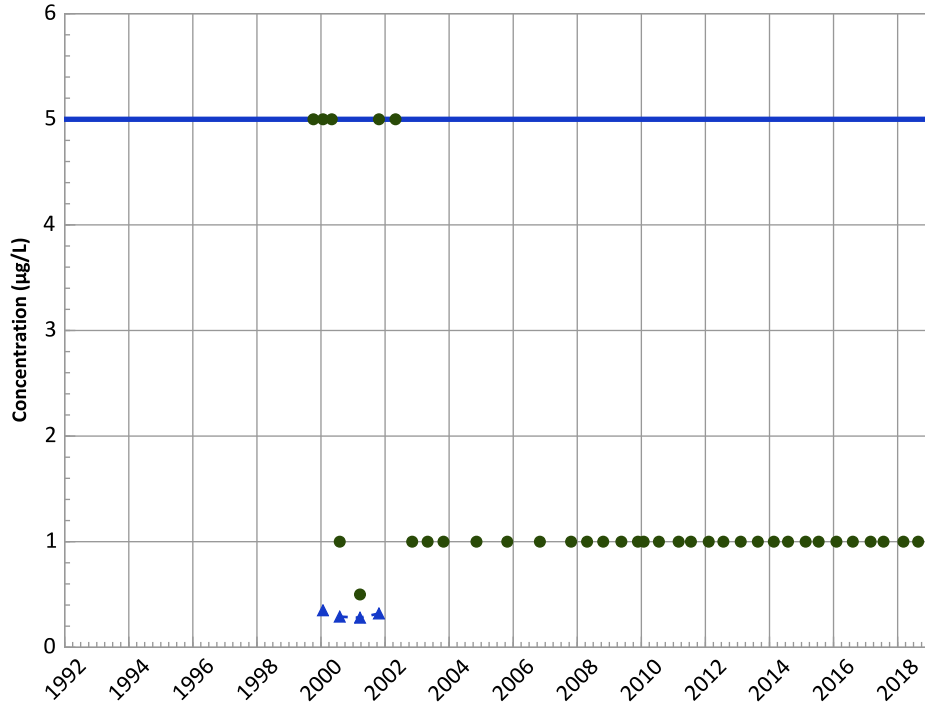


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

MAROS Linear Regression Method

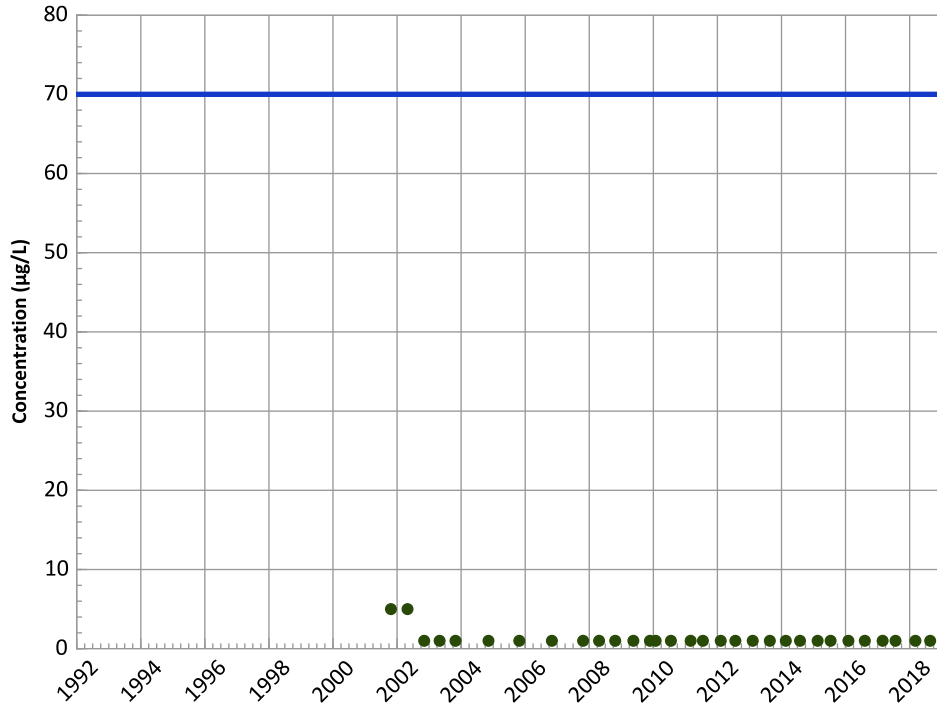
Data (2017 - 2021):

All Non-Detect

All Data:

Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

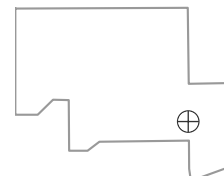
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

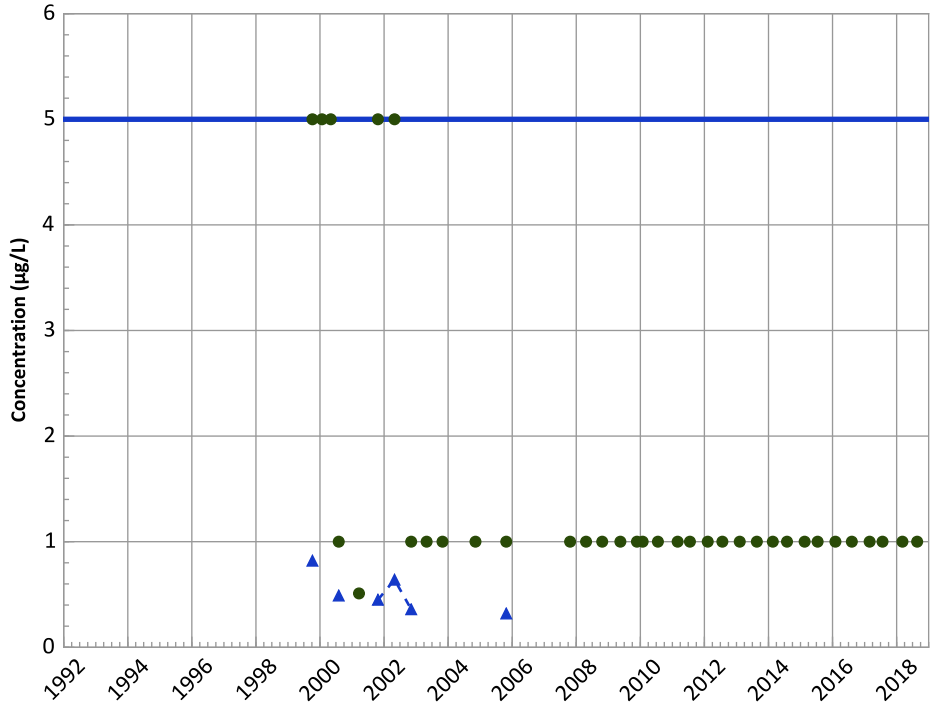
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

MAROS Linear Regression Method

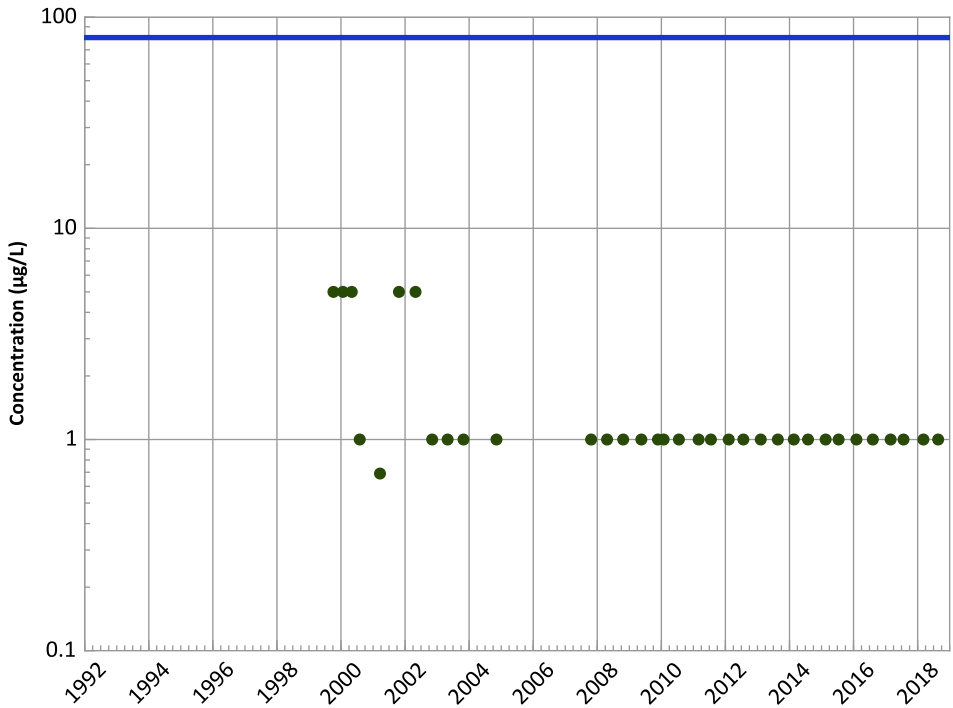
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

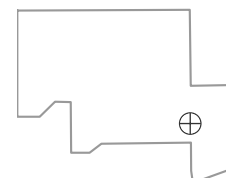
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

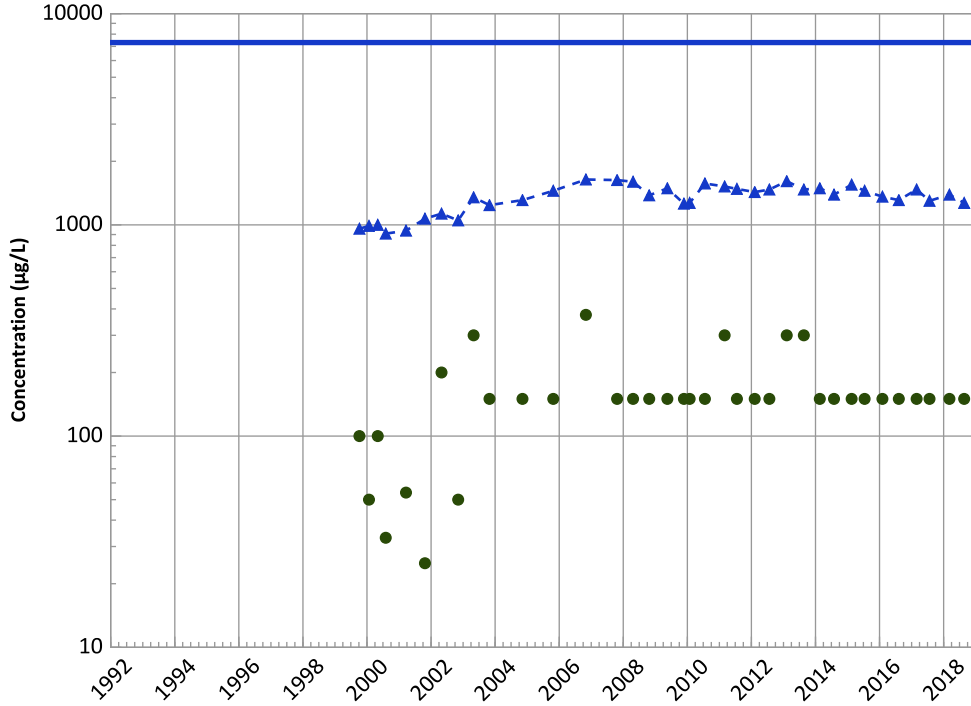
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

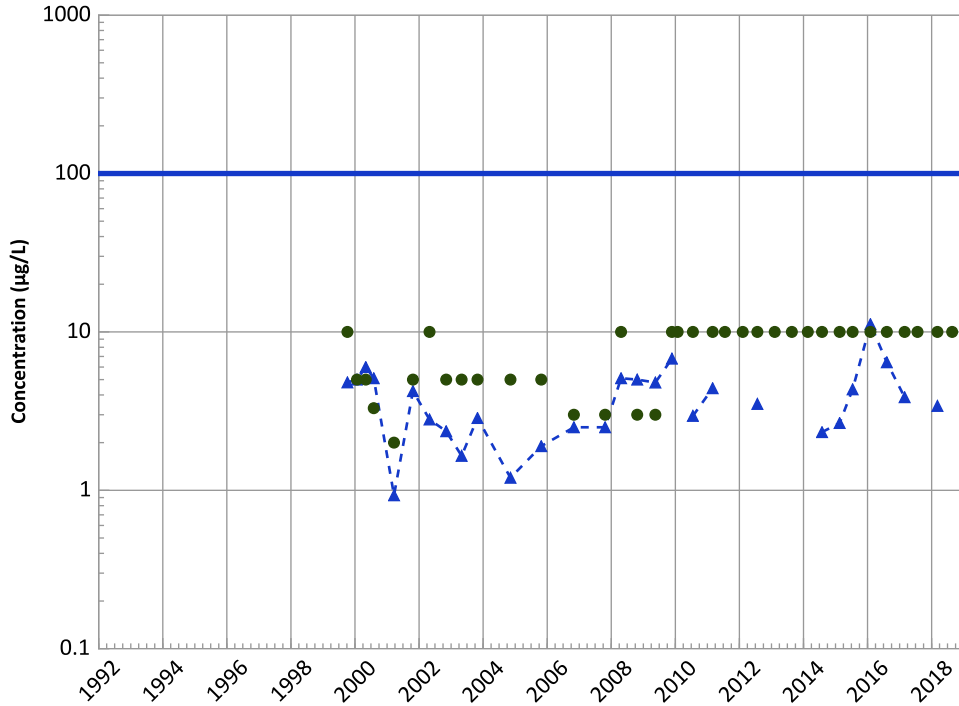
Data (2017 - 2021):

Probably Decreasing

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

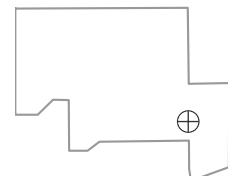
All Data:

Probably Increasing

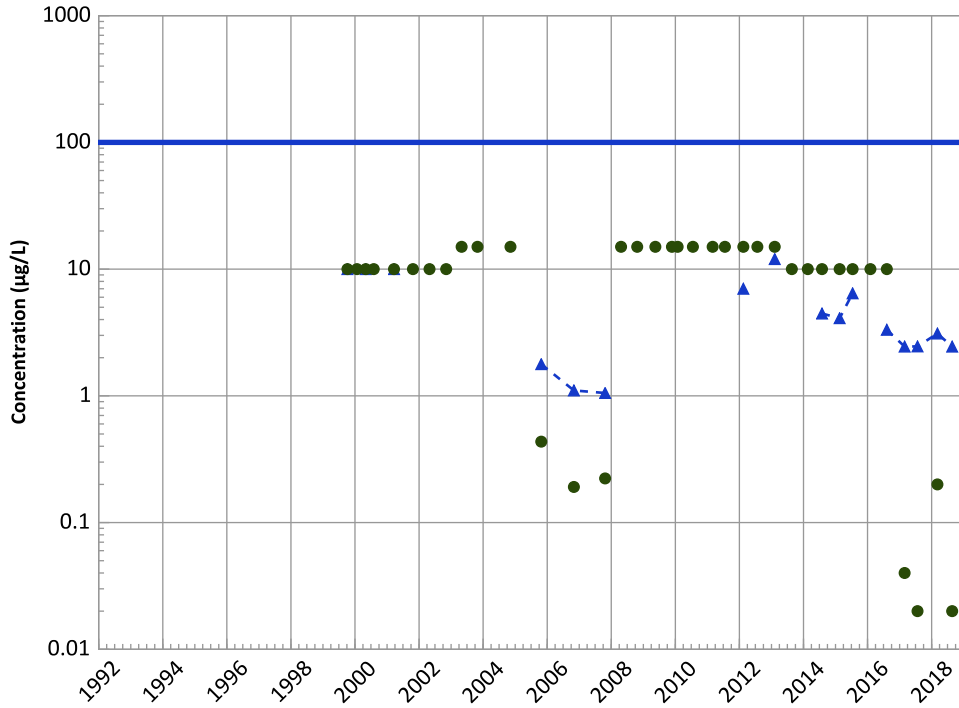
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1041 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

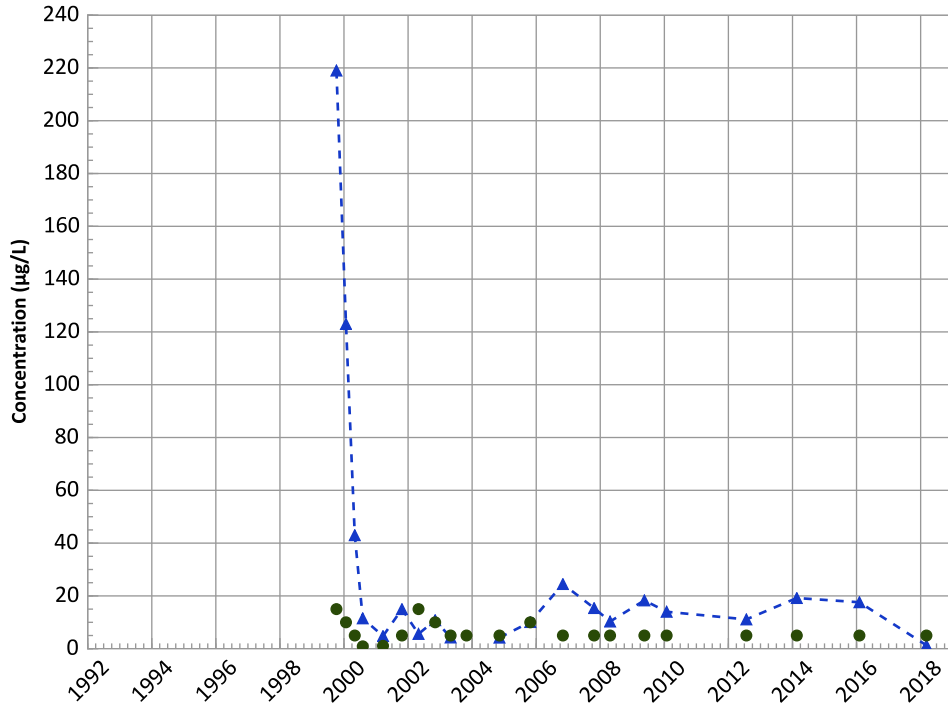
Data (2017 - 2021):

Probably Decreasing

All Data:

Stable

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

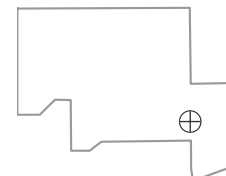
All Data:

Probably Decreasing

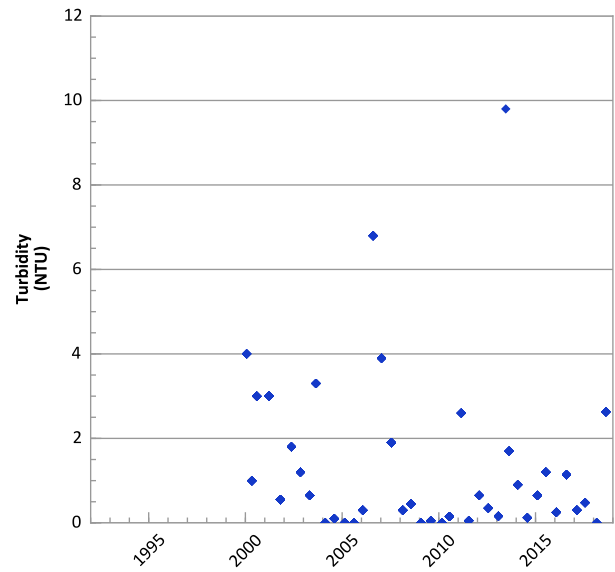
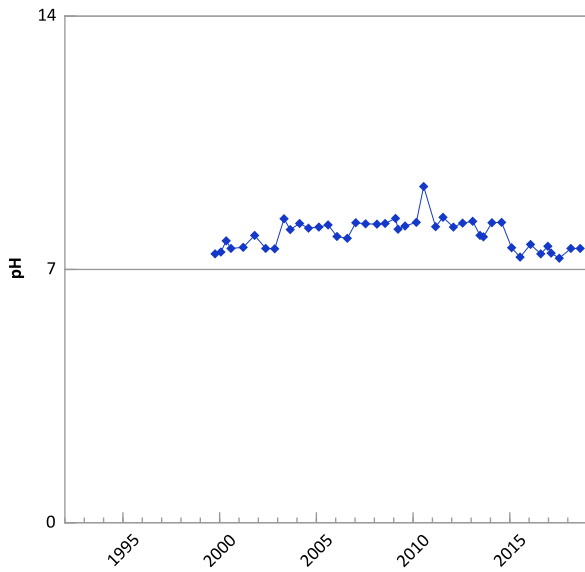
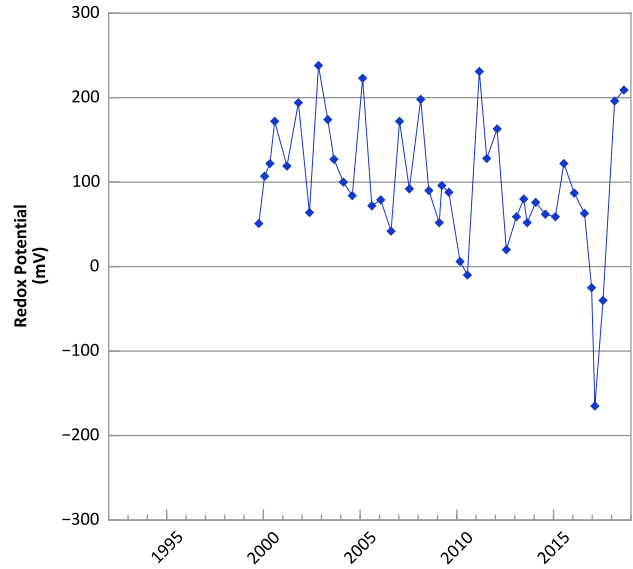
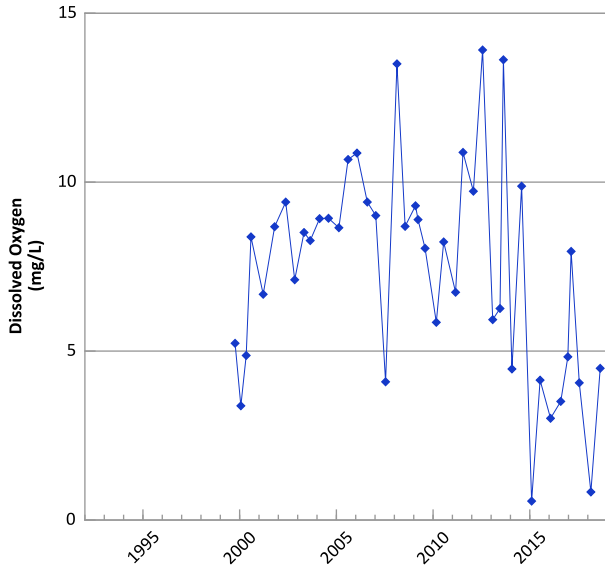
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

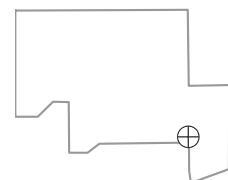


**PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



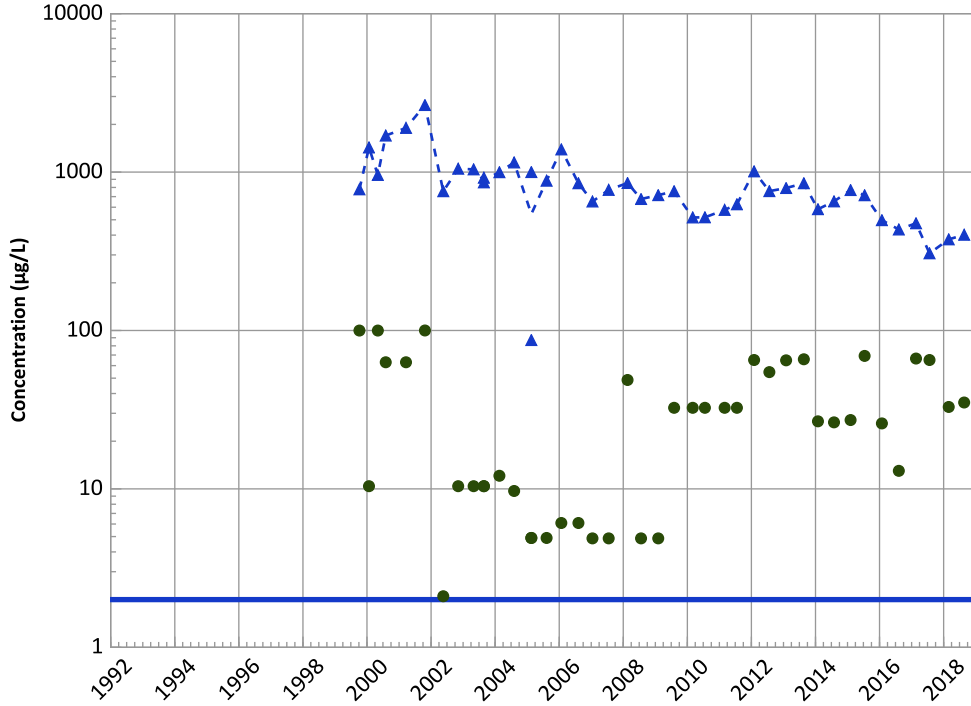
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/07/1999 to 08/23/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

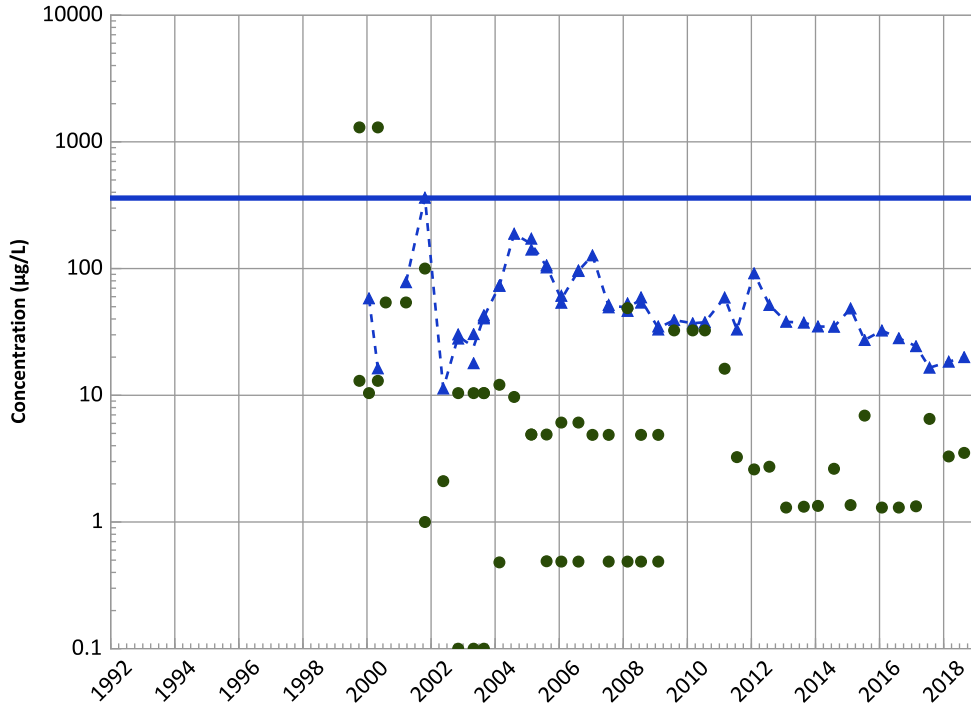


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

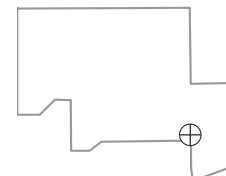
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

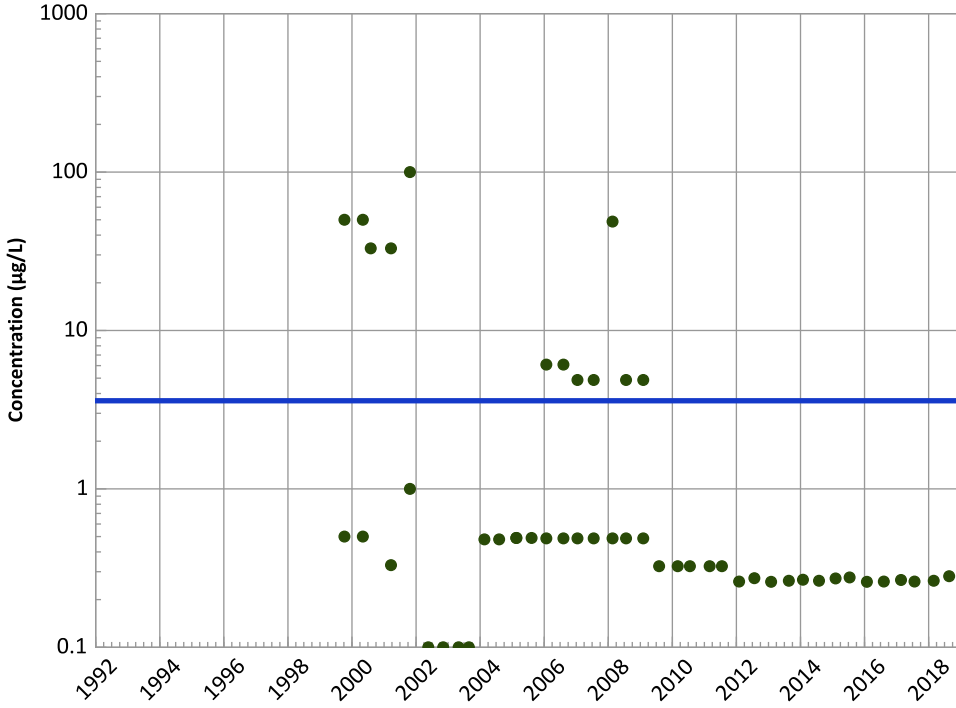
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

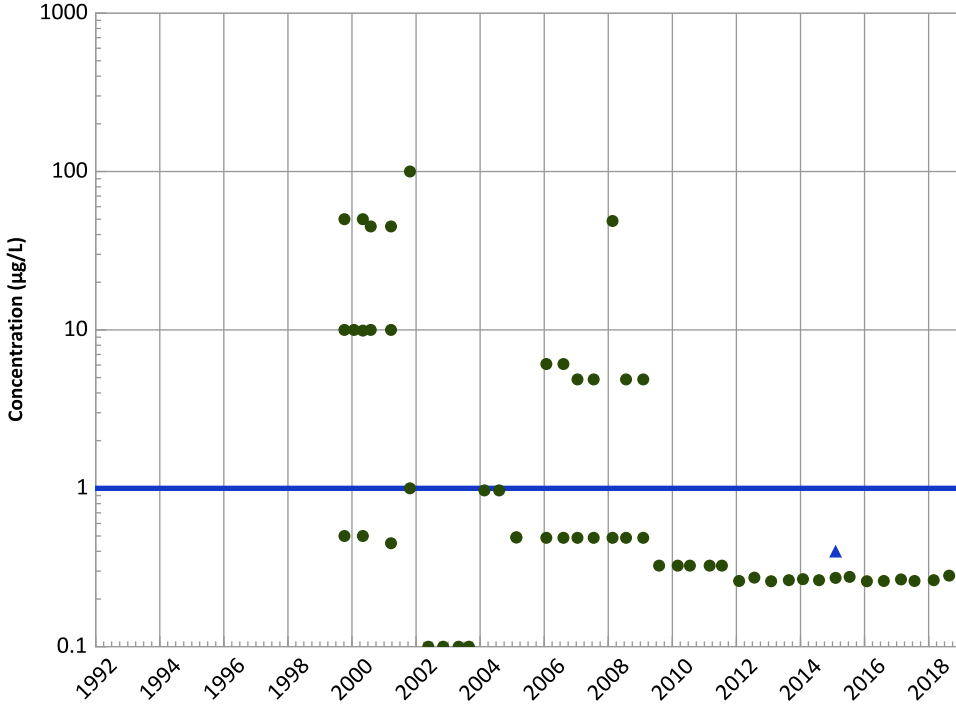
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

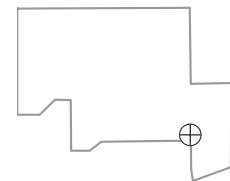
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

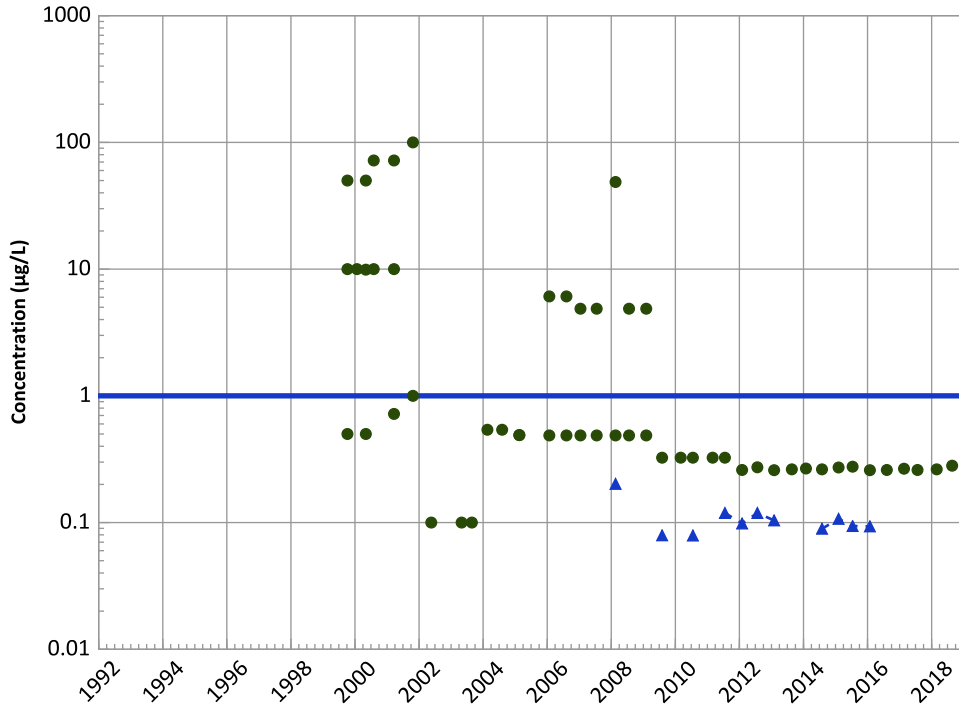
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

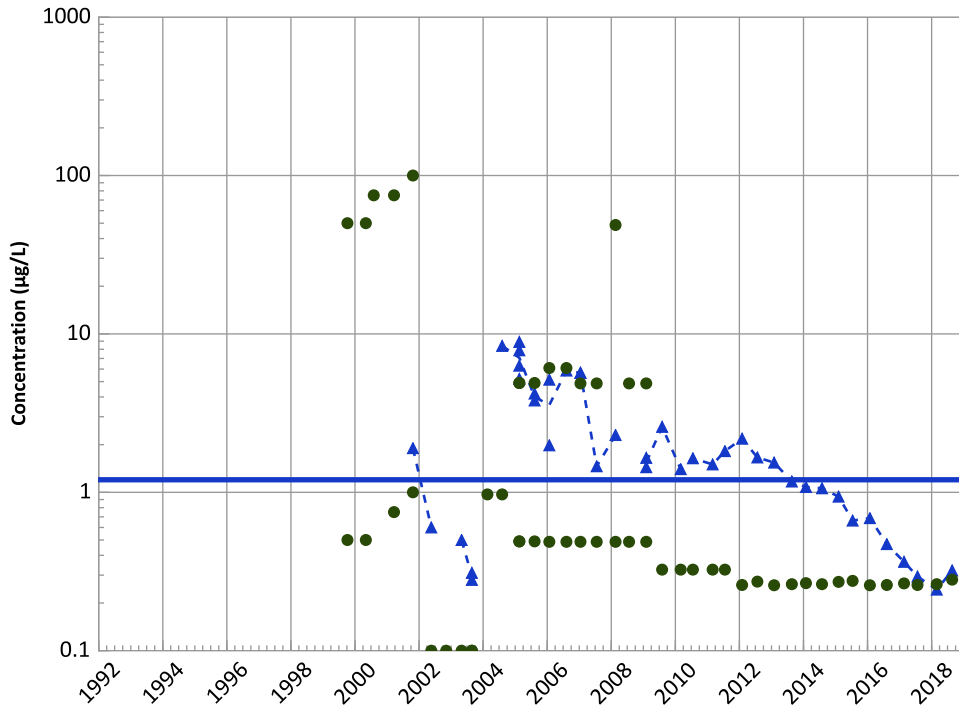
Data (2017 - 2021):

Stable

All Data:

Stable

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

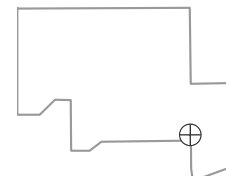
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

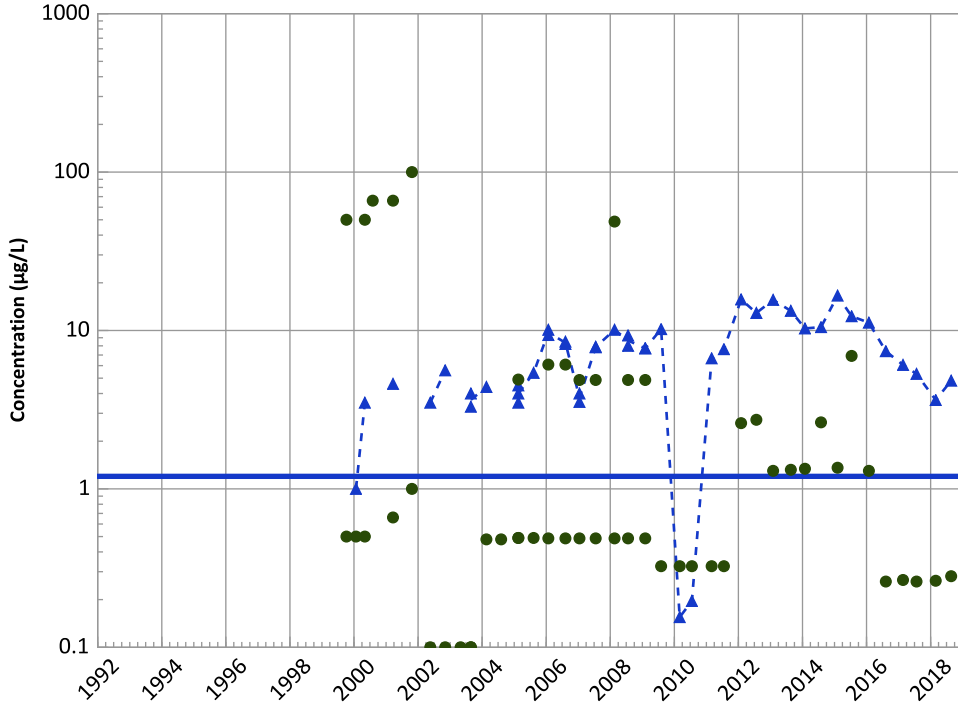
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

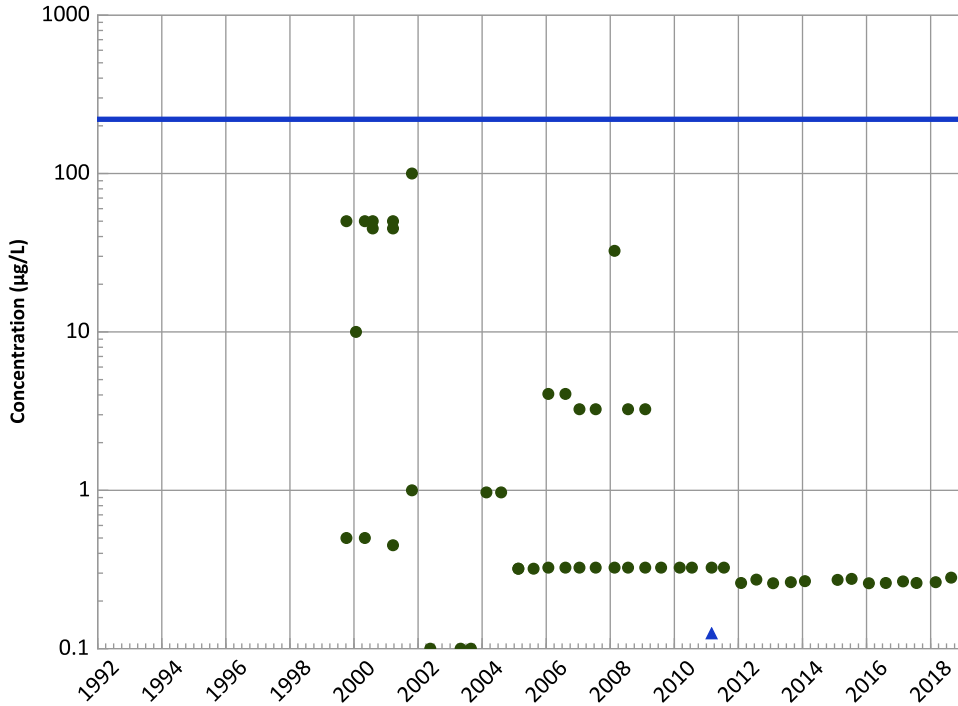
Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

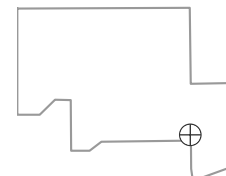
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

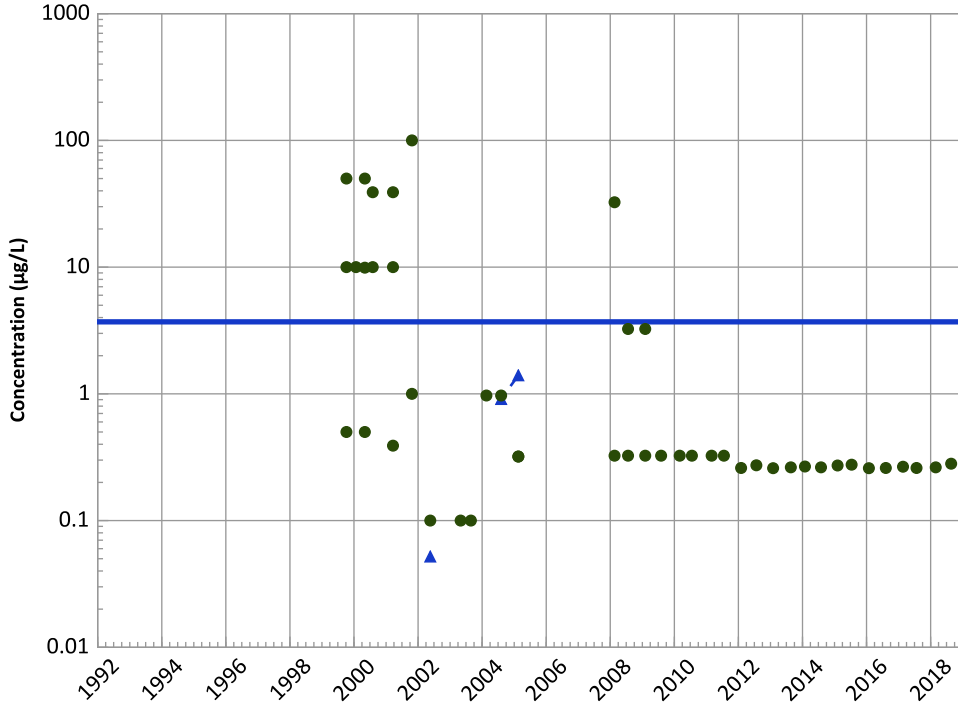
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

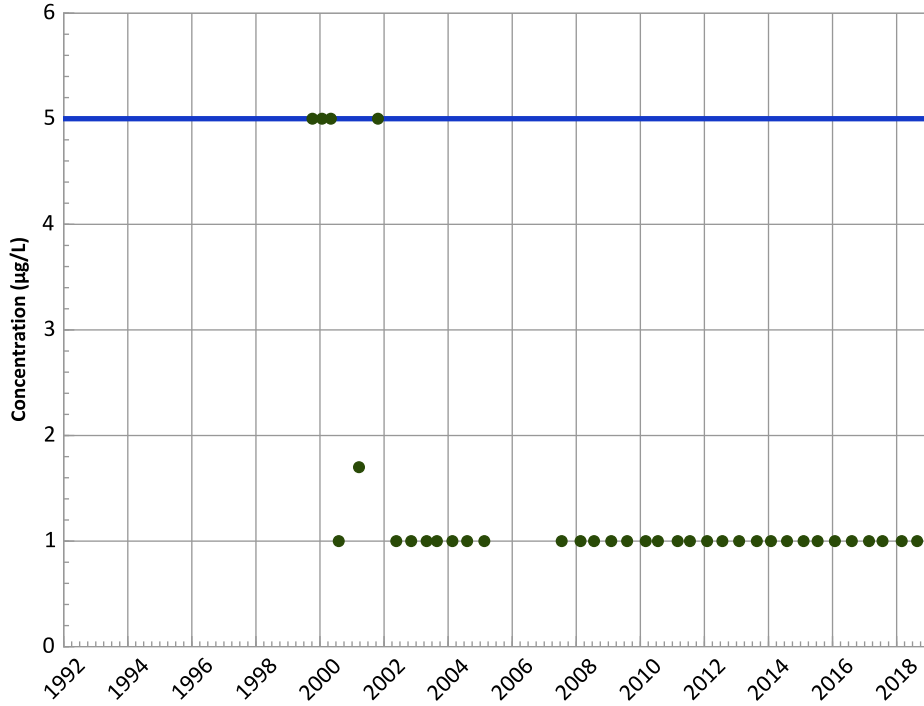
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

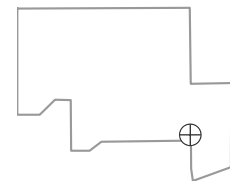
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

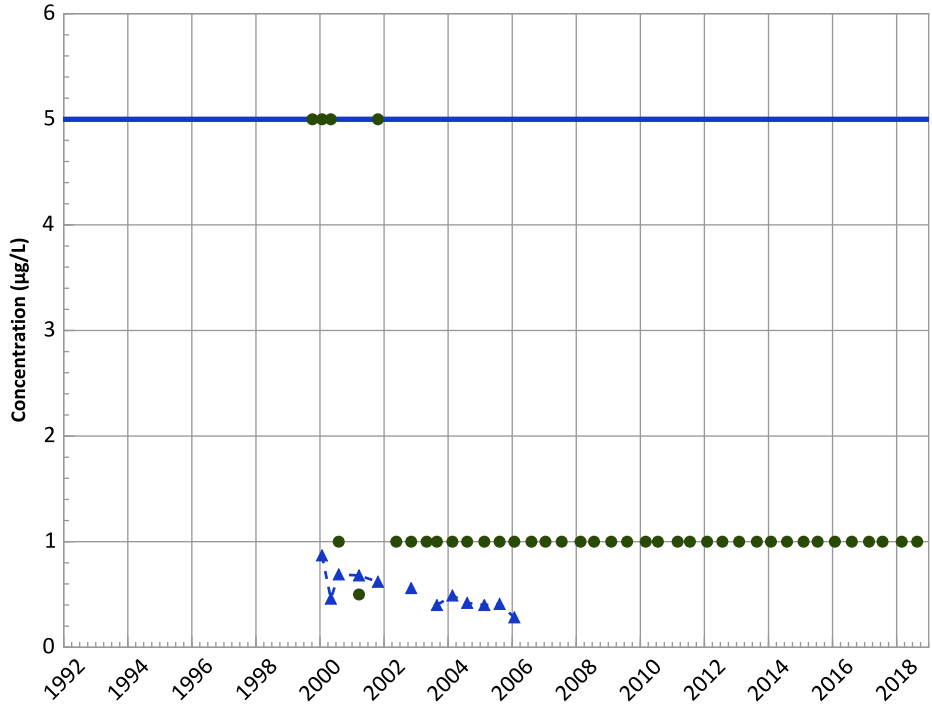


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

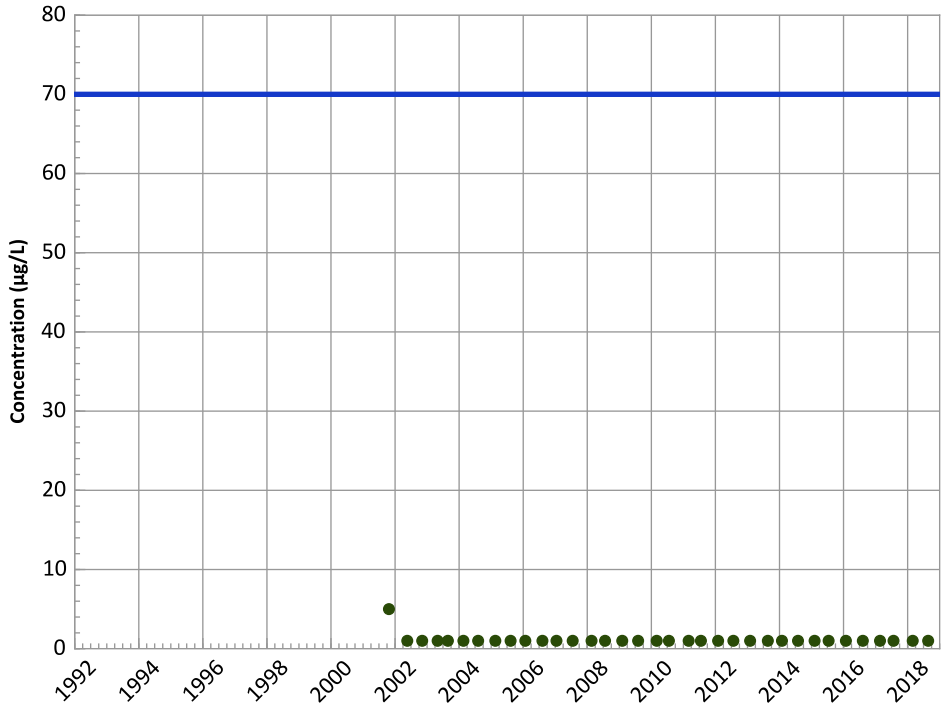
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

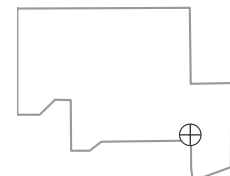
All Data:

All Non-Detect

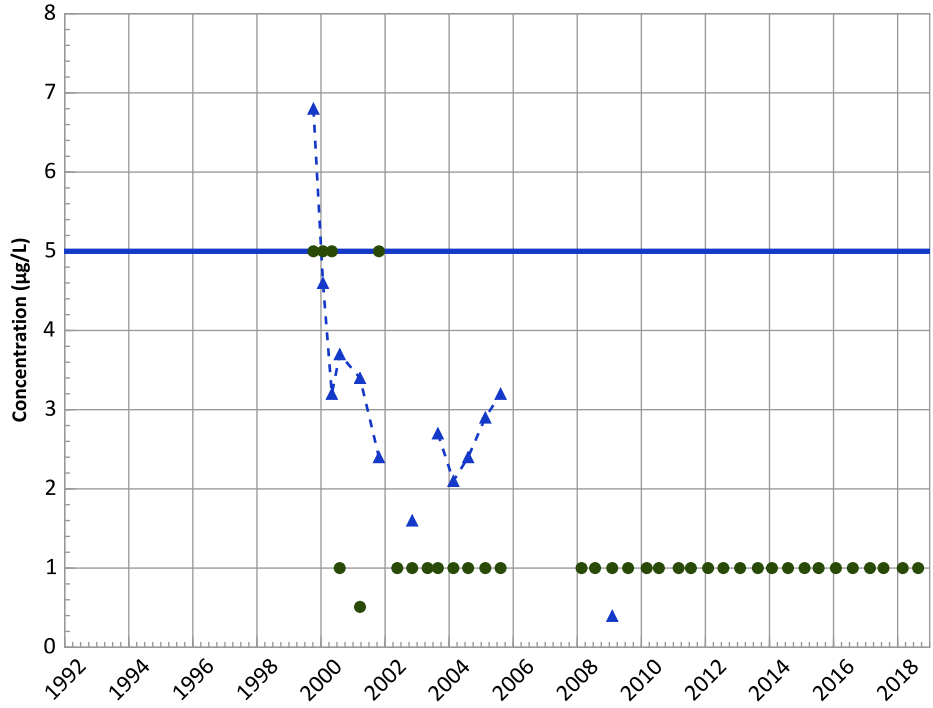
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

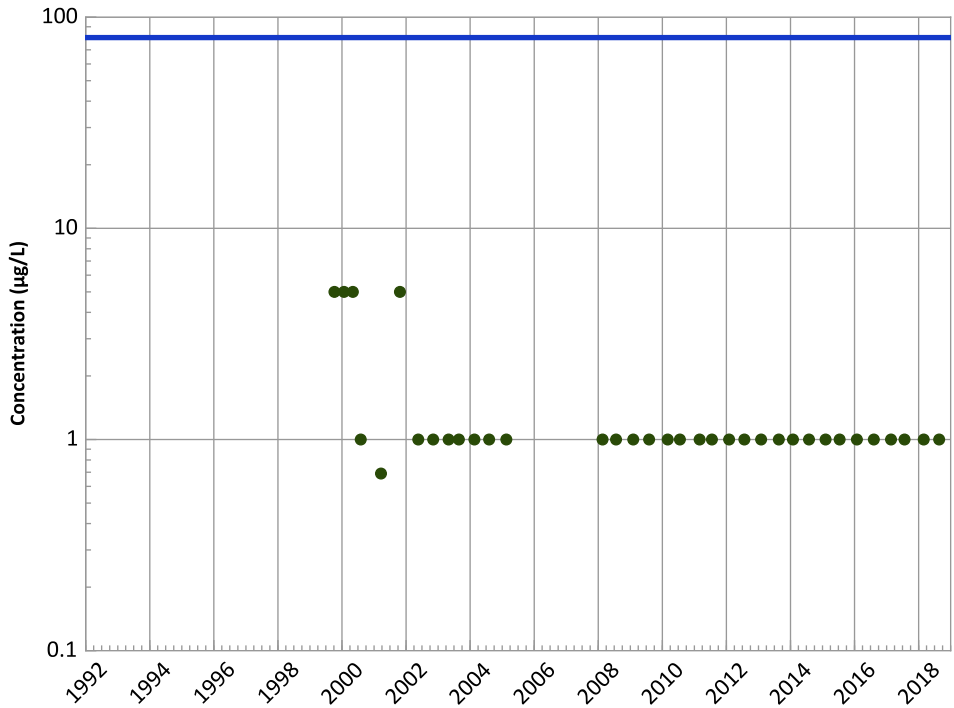
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

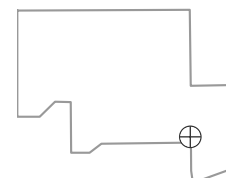
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

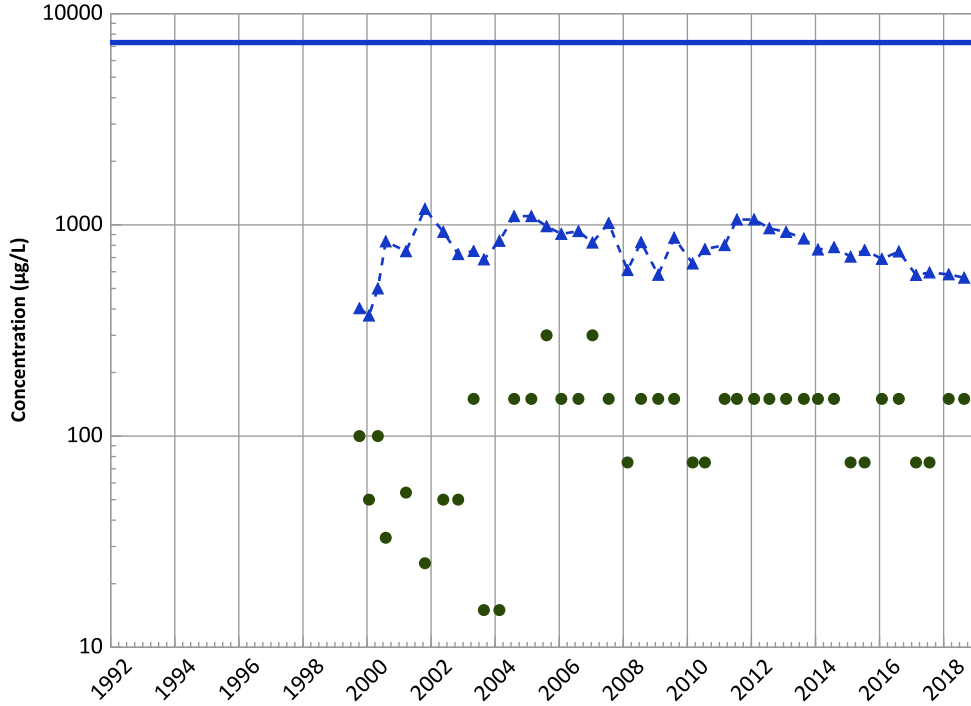


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

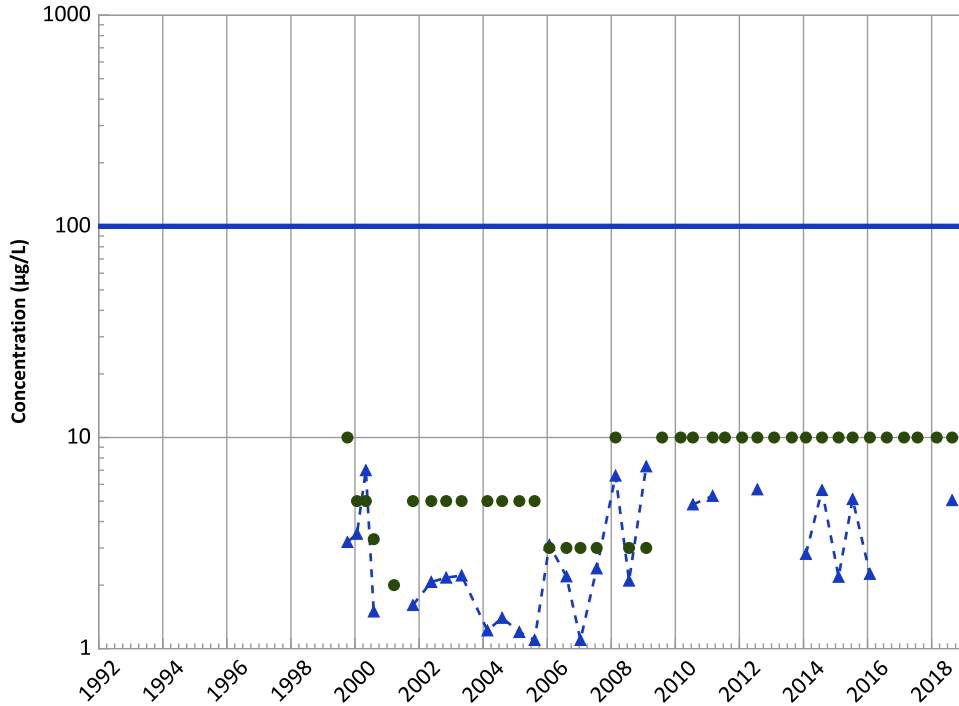


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Chromium, Total Trend



Concentration Trend

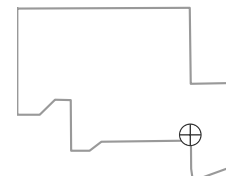
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Increasing

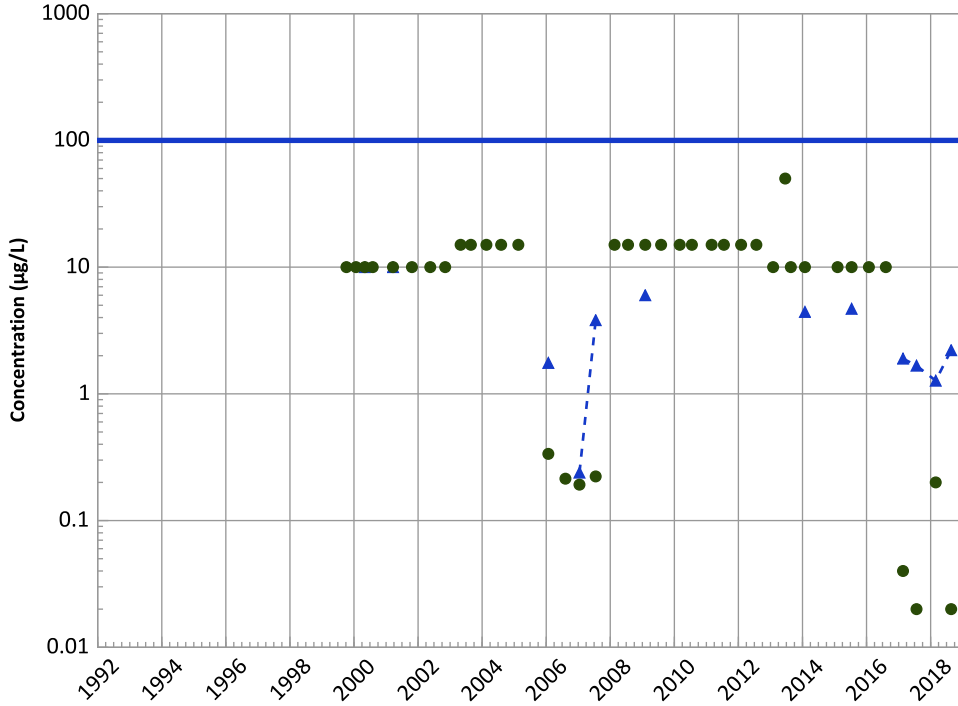
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1042 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**

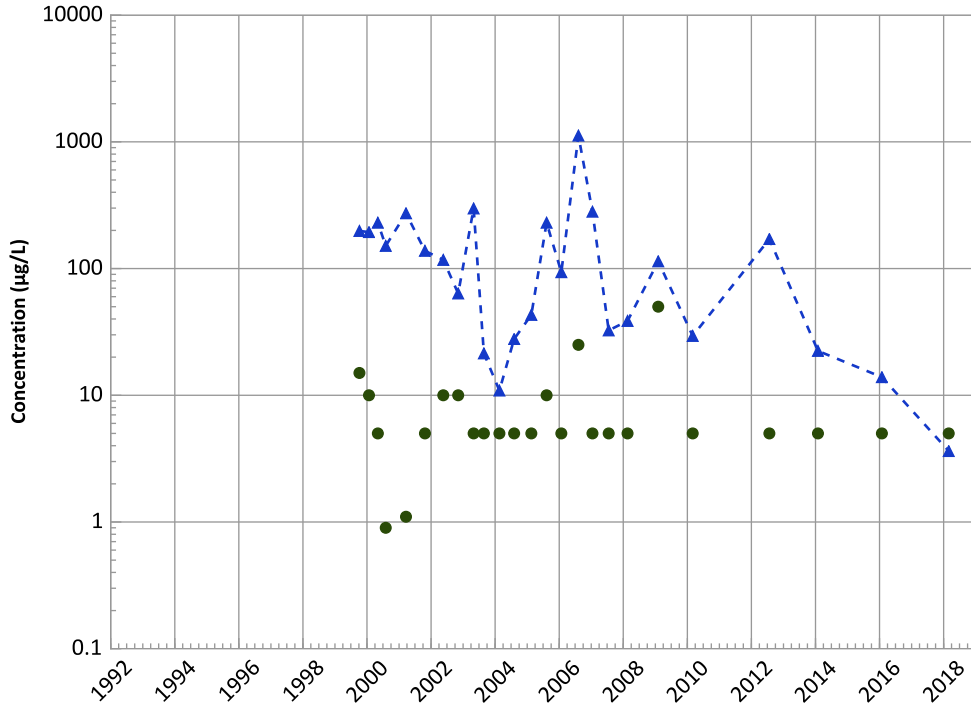


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Manganese Trend

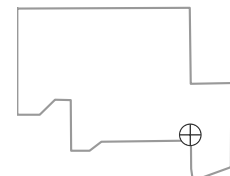


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

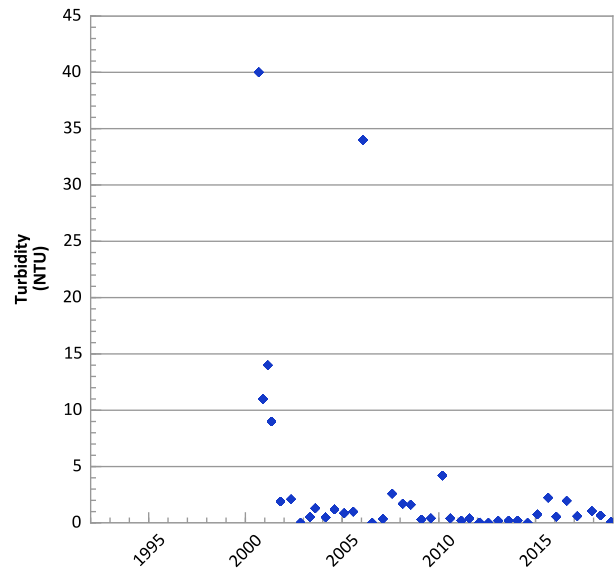
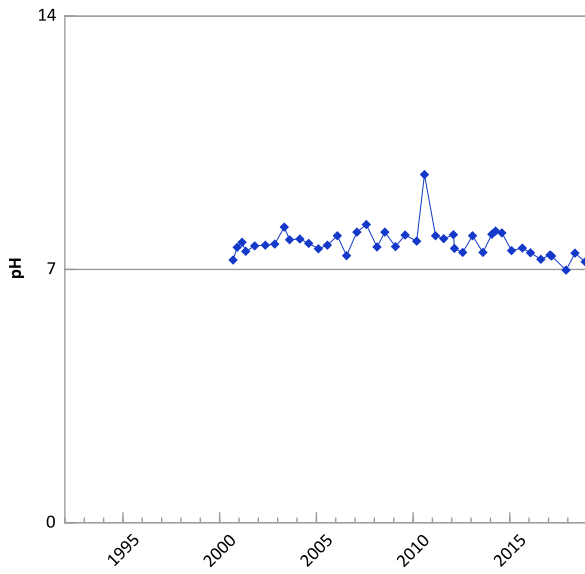
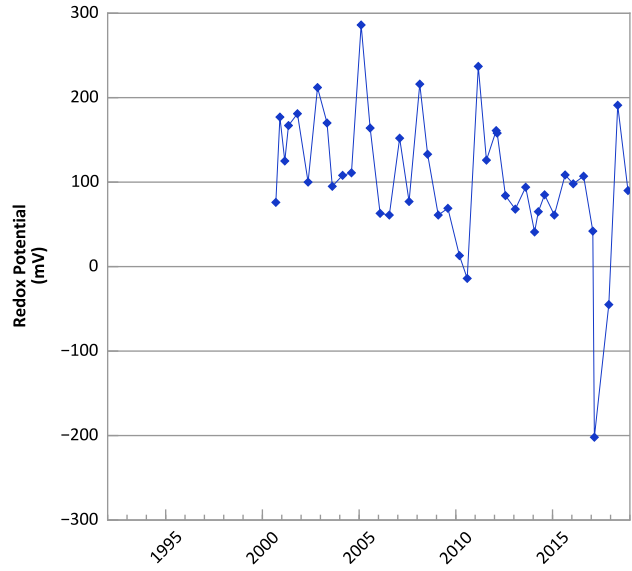
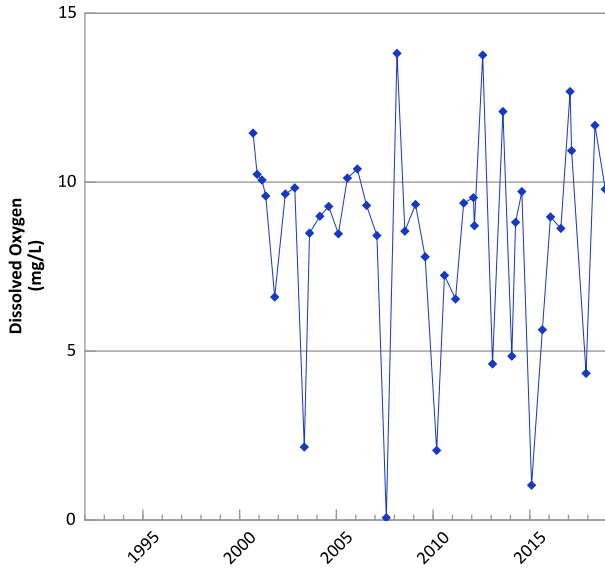
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/07/1999 to 08/23/2018
Analysis Date: 02/14/2019

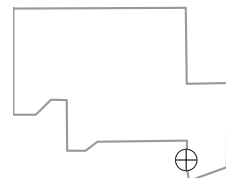
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



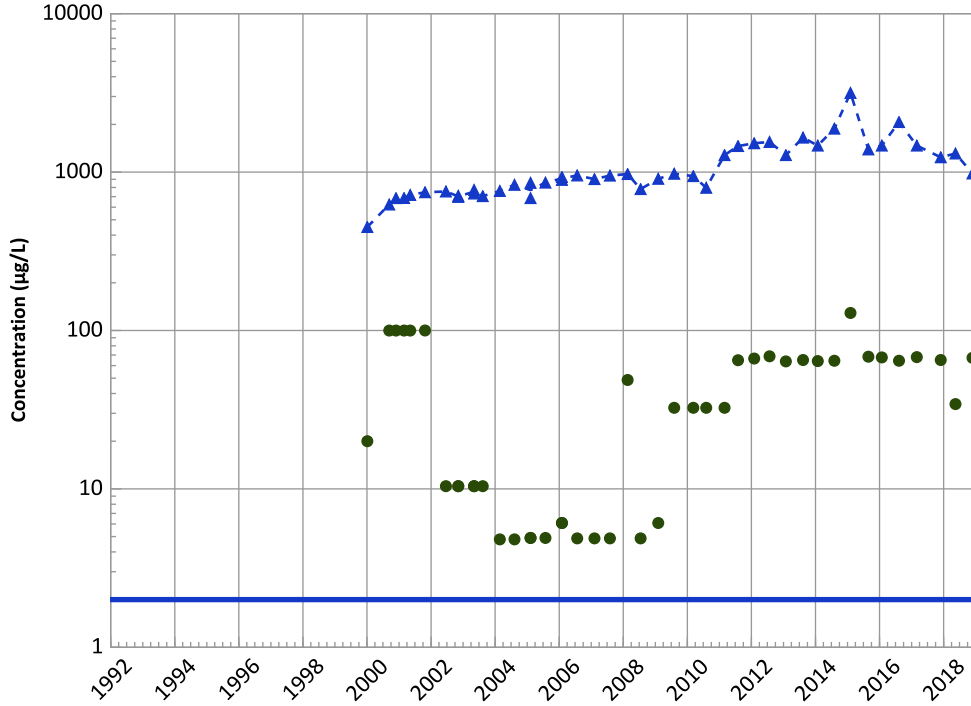
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

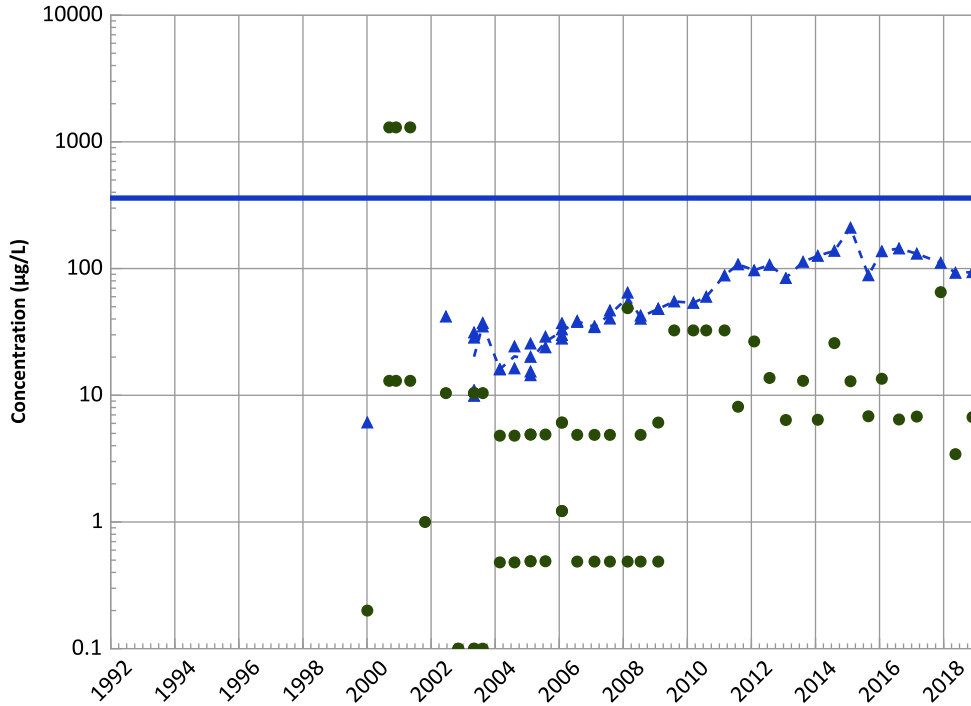
Data (2017 - 2021):

No Trend

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

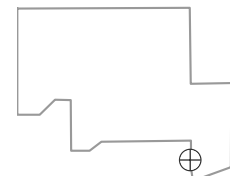
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

Well Location

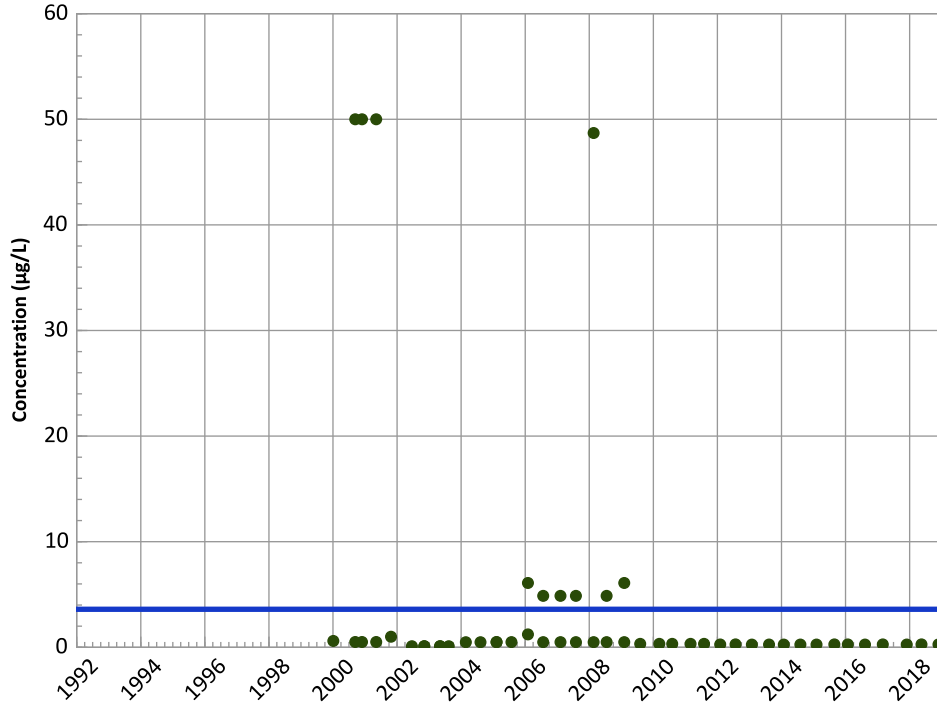


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

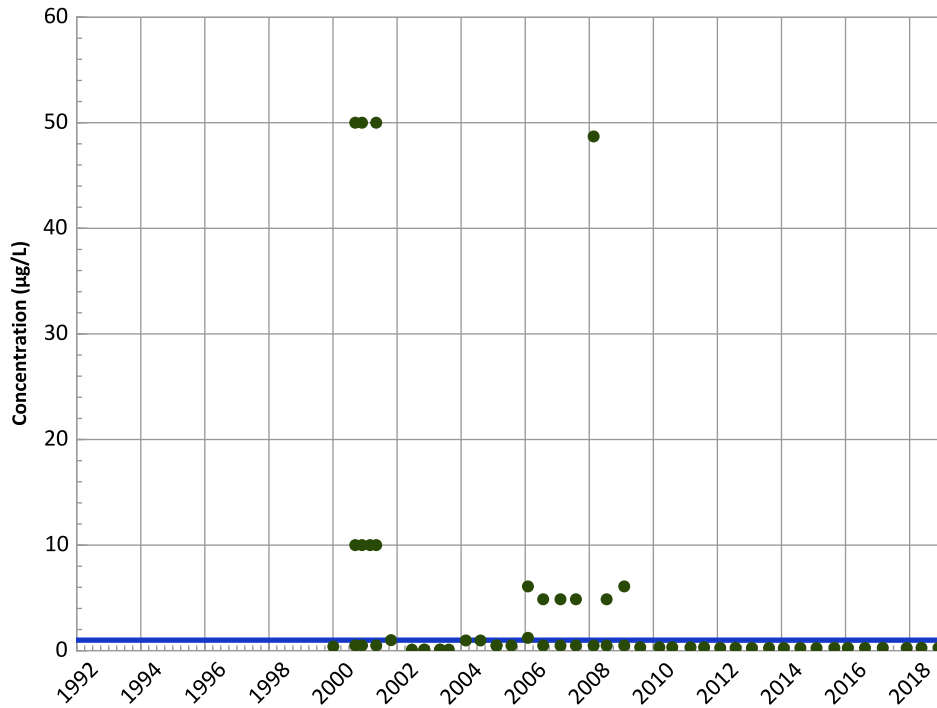
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

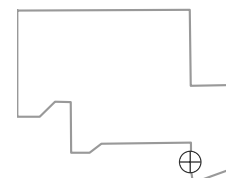
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

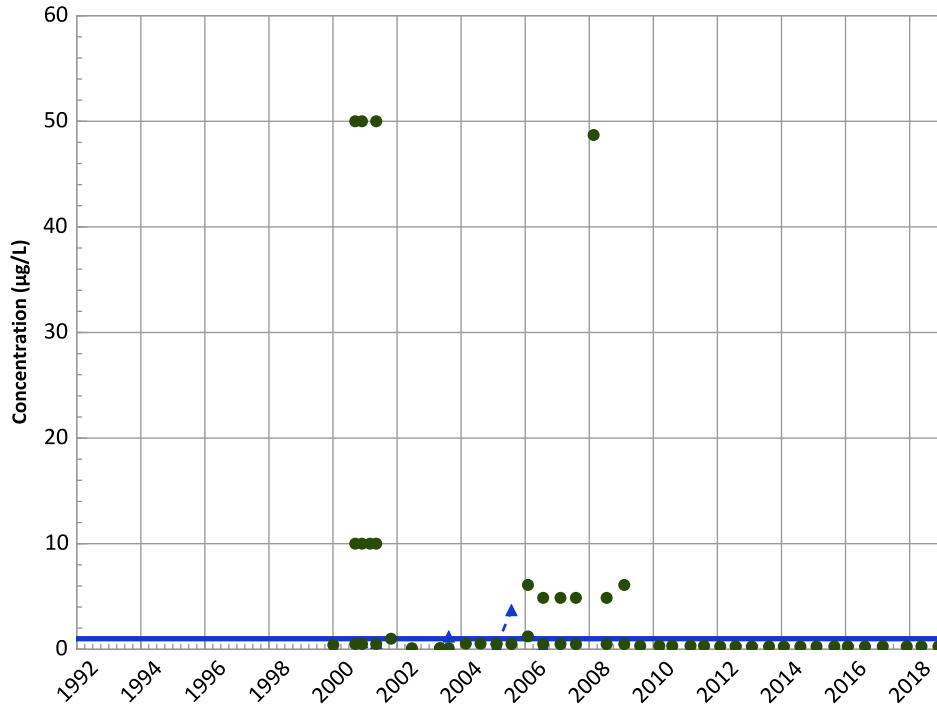


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

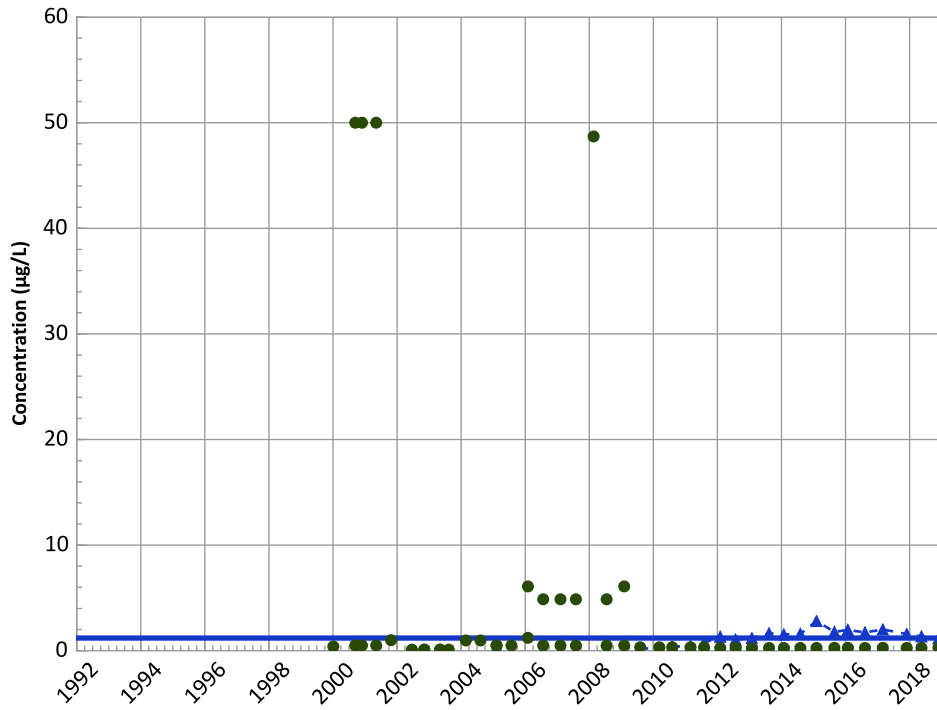


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

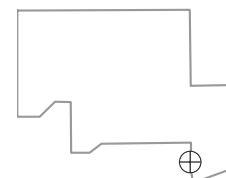
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

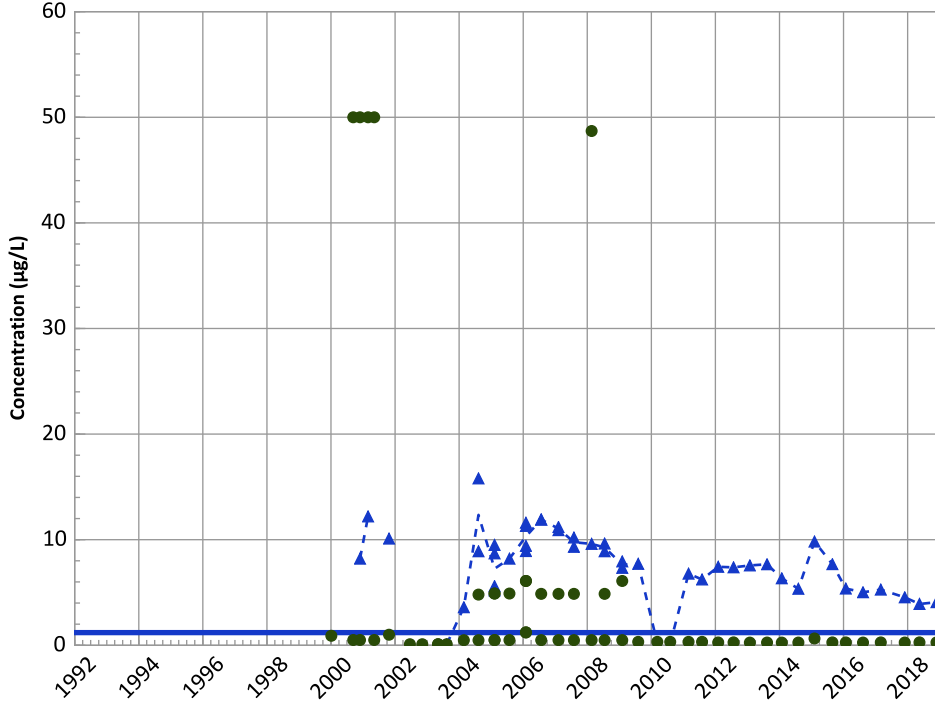
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

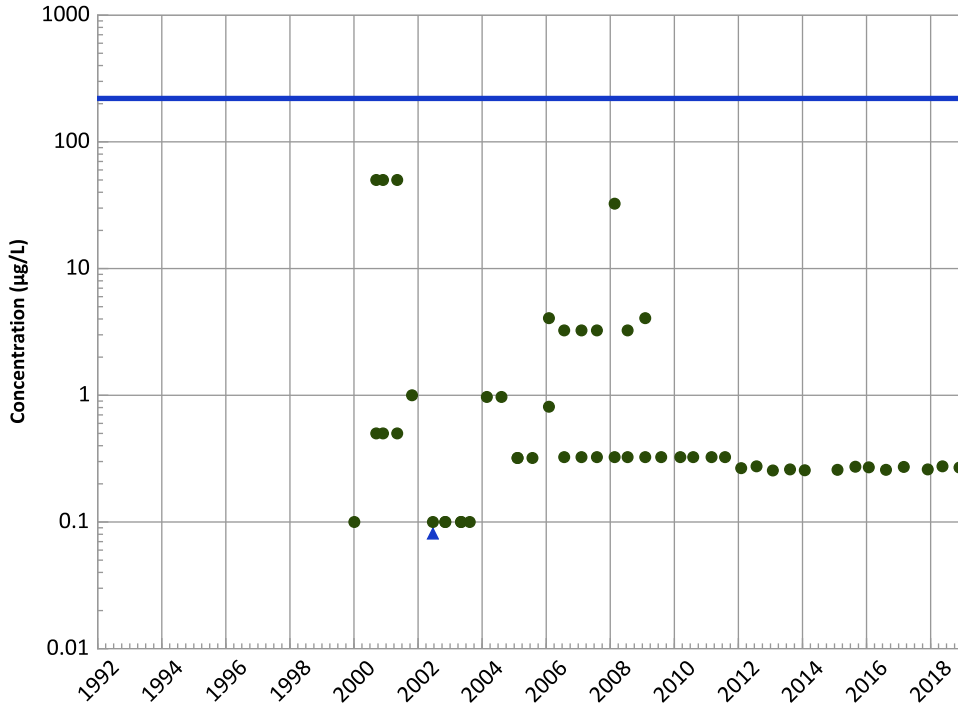
Data (2017 - 2021):

Stable

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

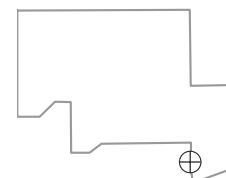
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

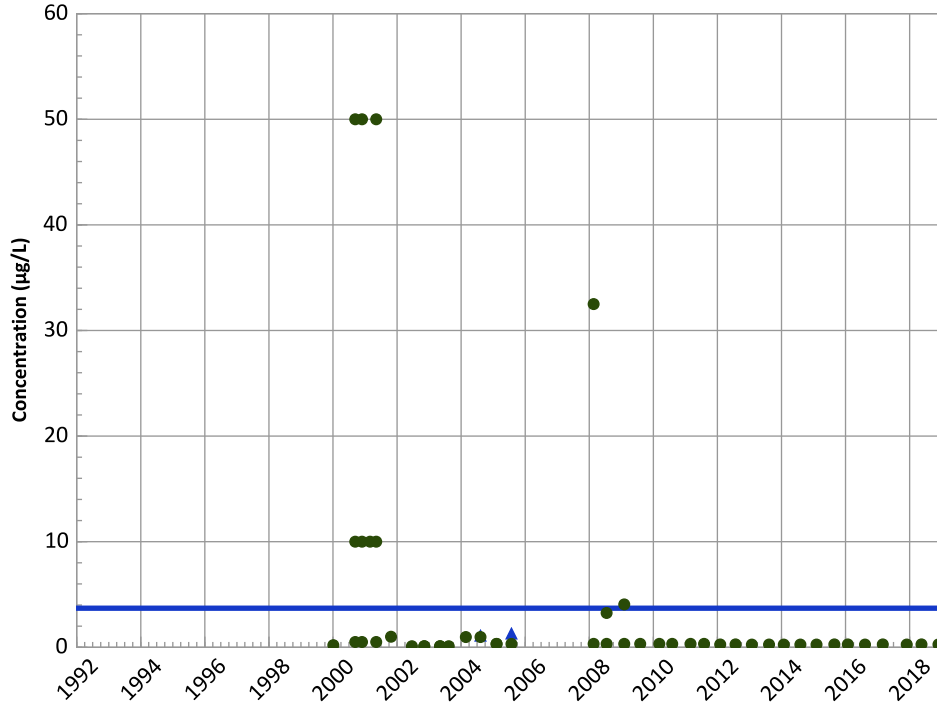


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

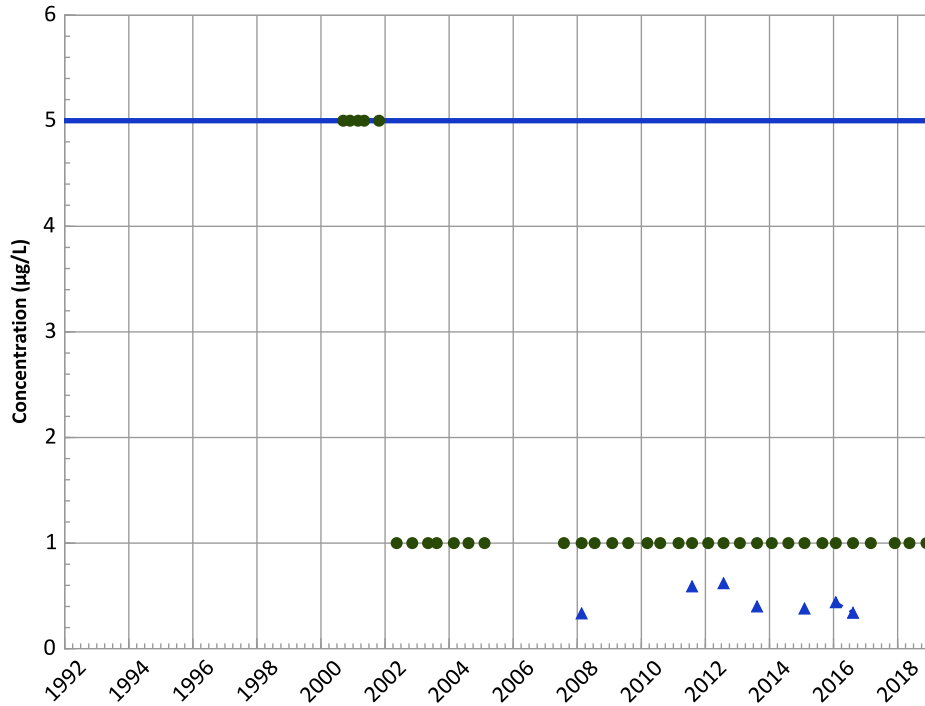
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

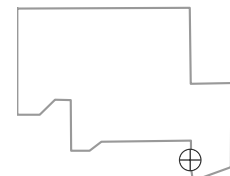
Data (2017 - 2021):

Probably Decreasing

All Data:

Stable

Well Location

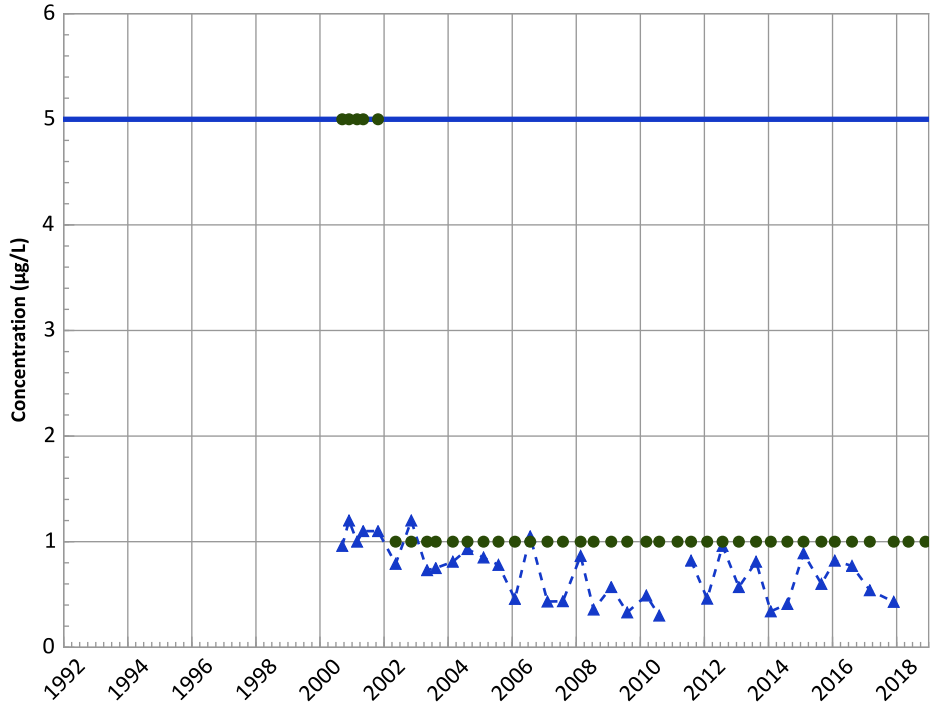


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

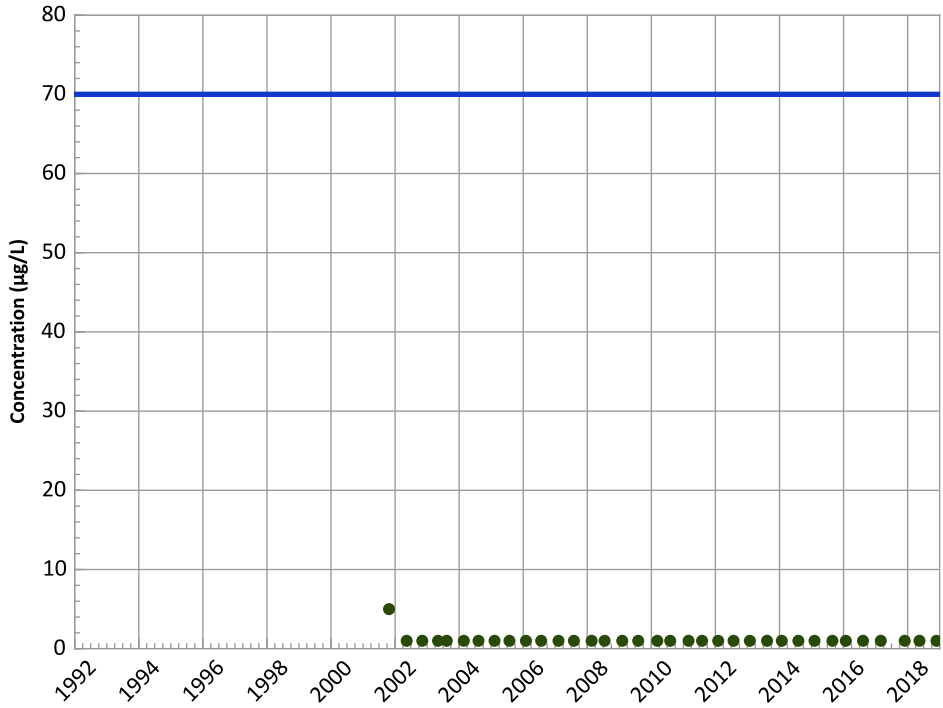
Data (2017 - 2021):

No Trend

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

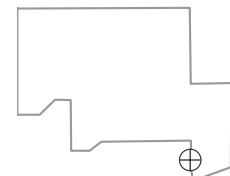
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

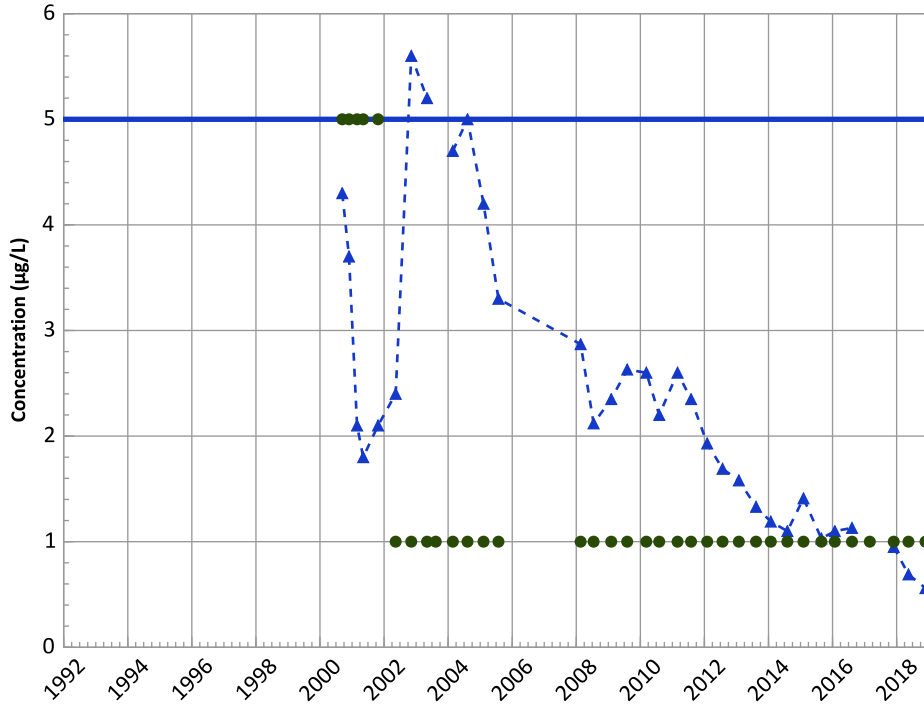
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

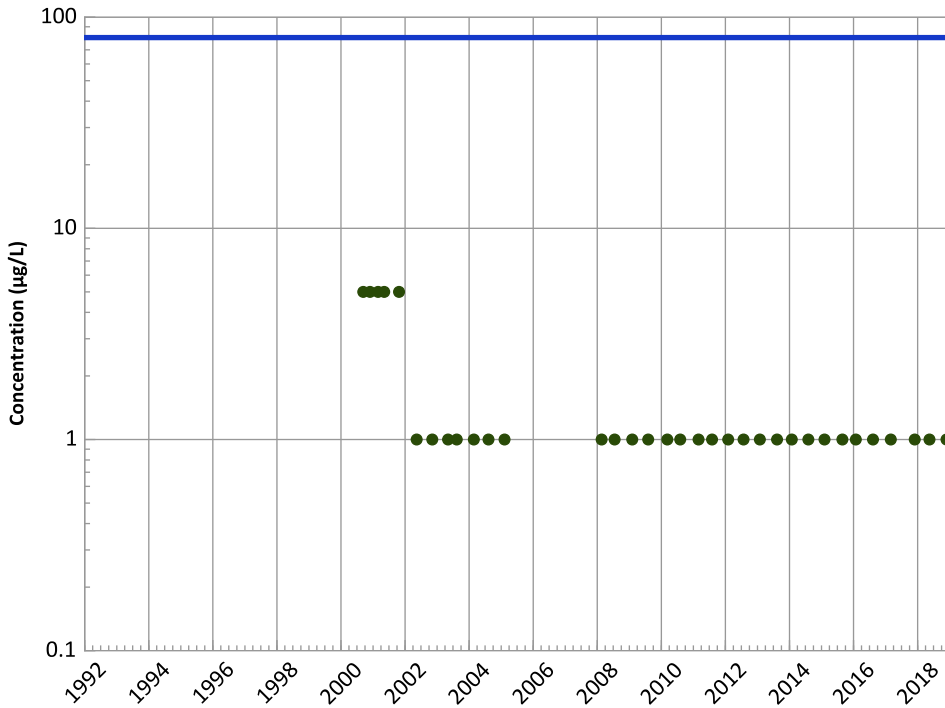
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

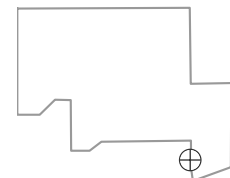
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

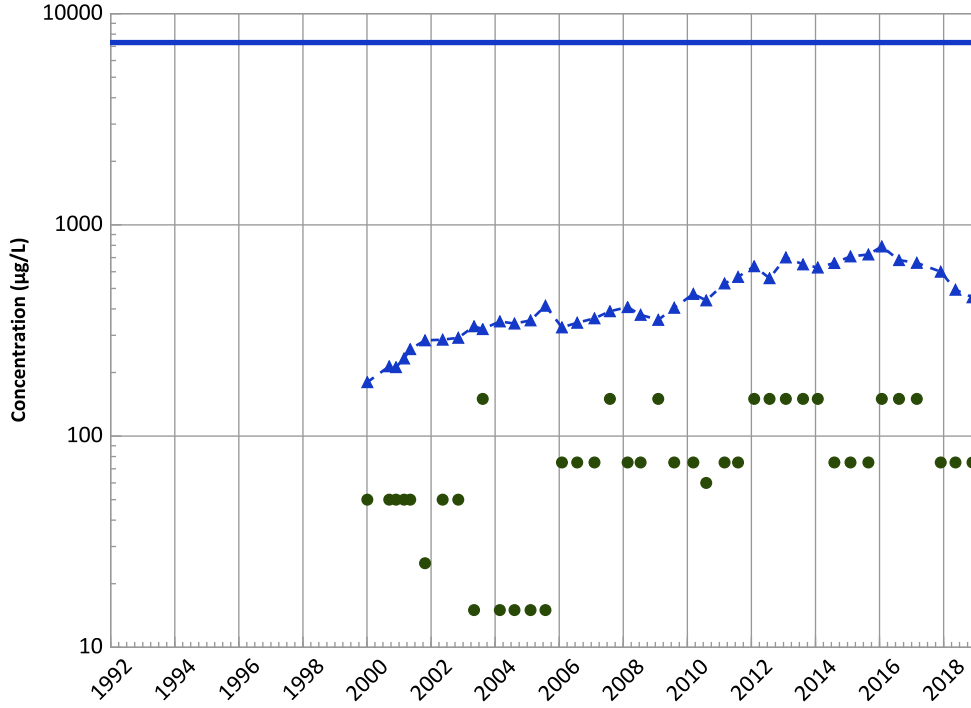
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

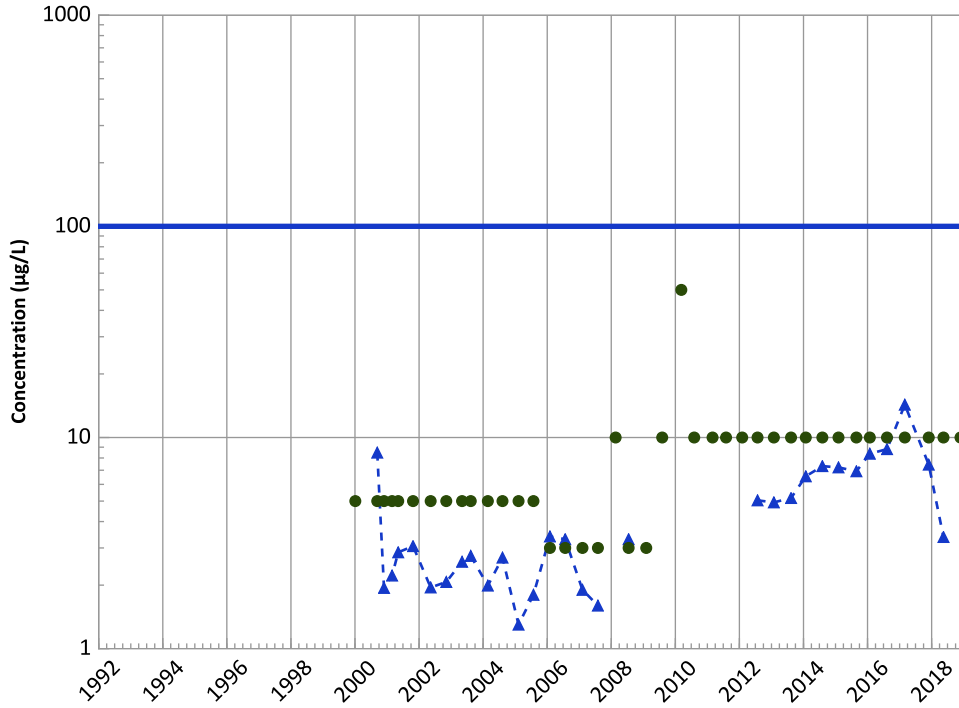
Data (2017 - 2021):

Increasing

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

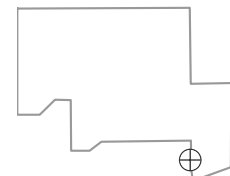
Data (2017 - 2021):

Increasing

All Data:

Increasing

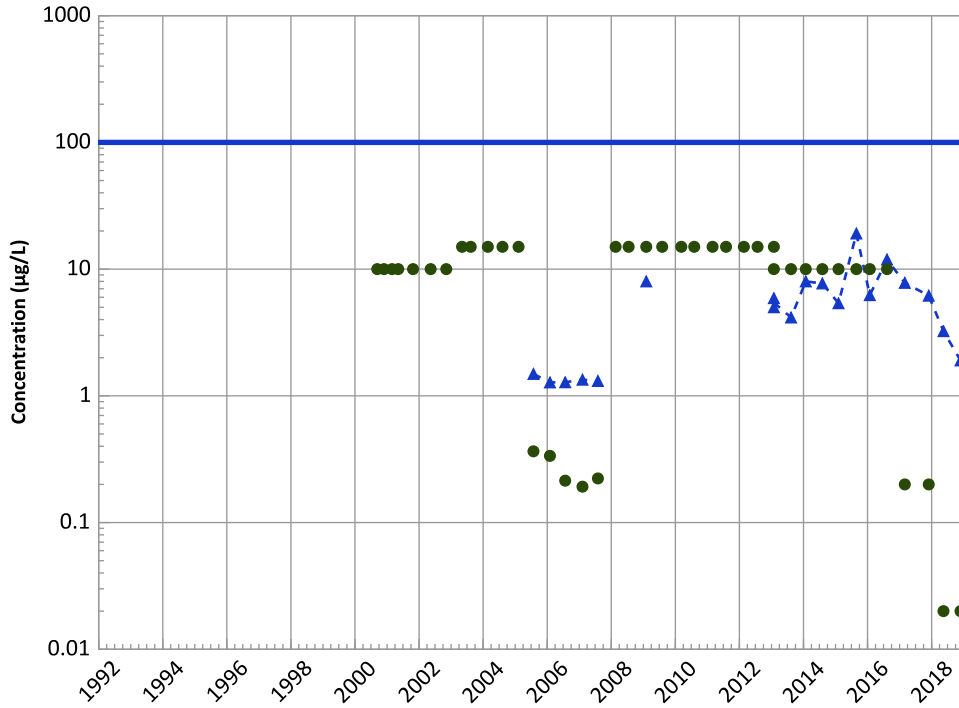
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1046 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**

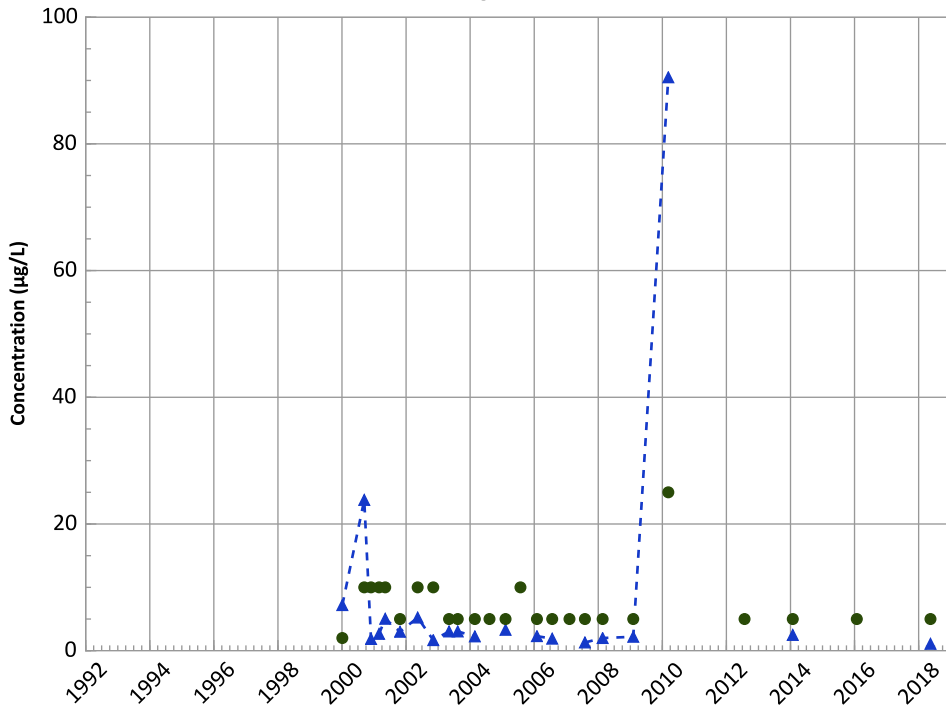


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Increasing
All Data:
Increasing

Manganese Trend



Concentration Trend

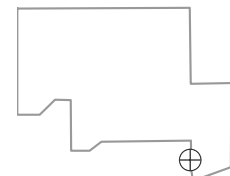
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

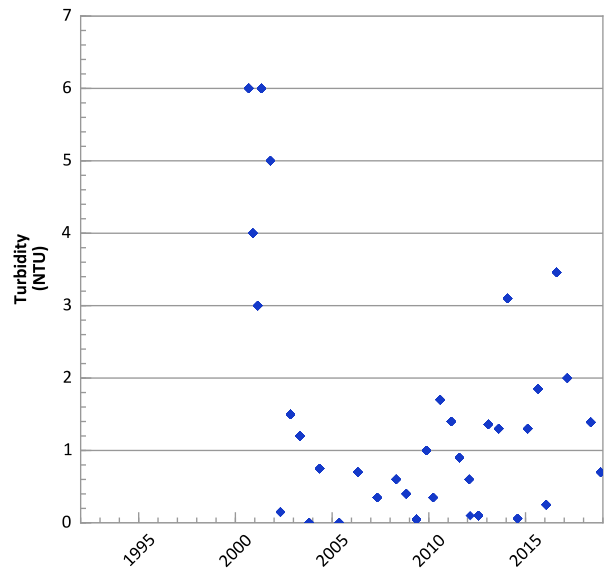
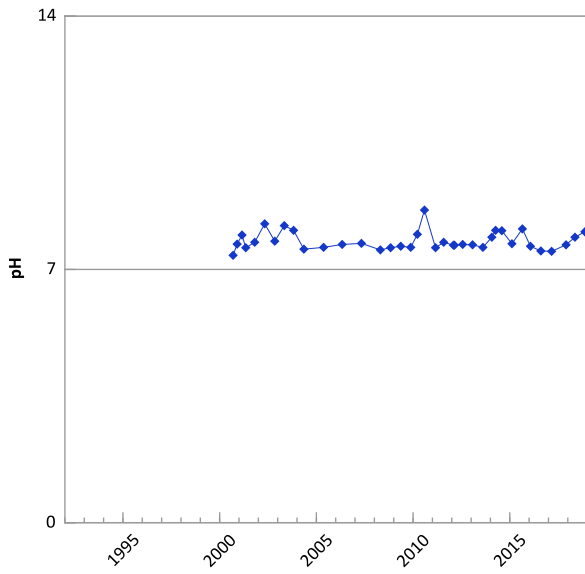
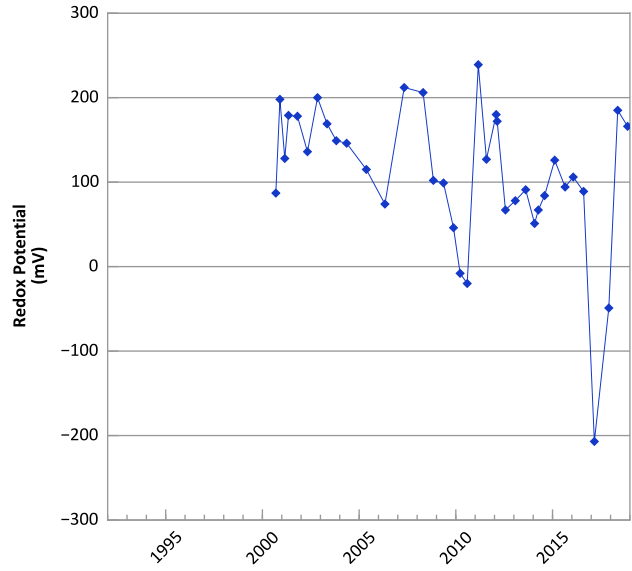
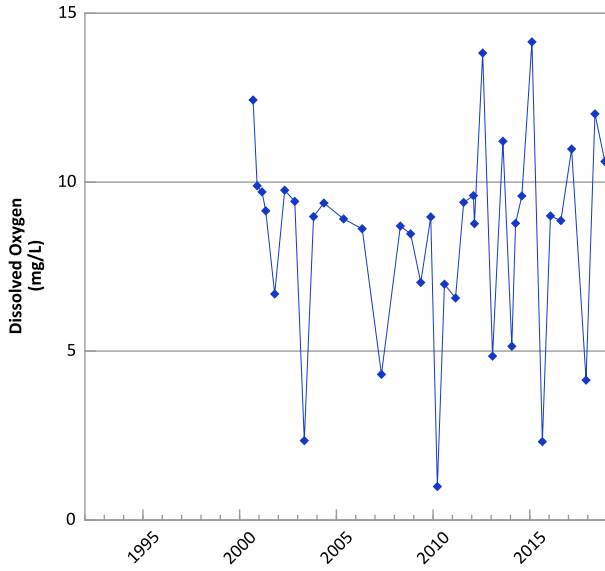
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/05/2000 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

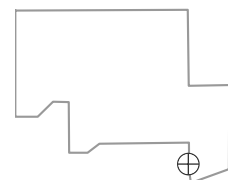


**PTX06-1047A in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



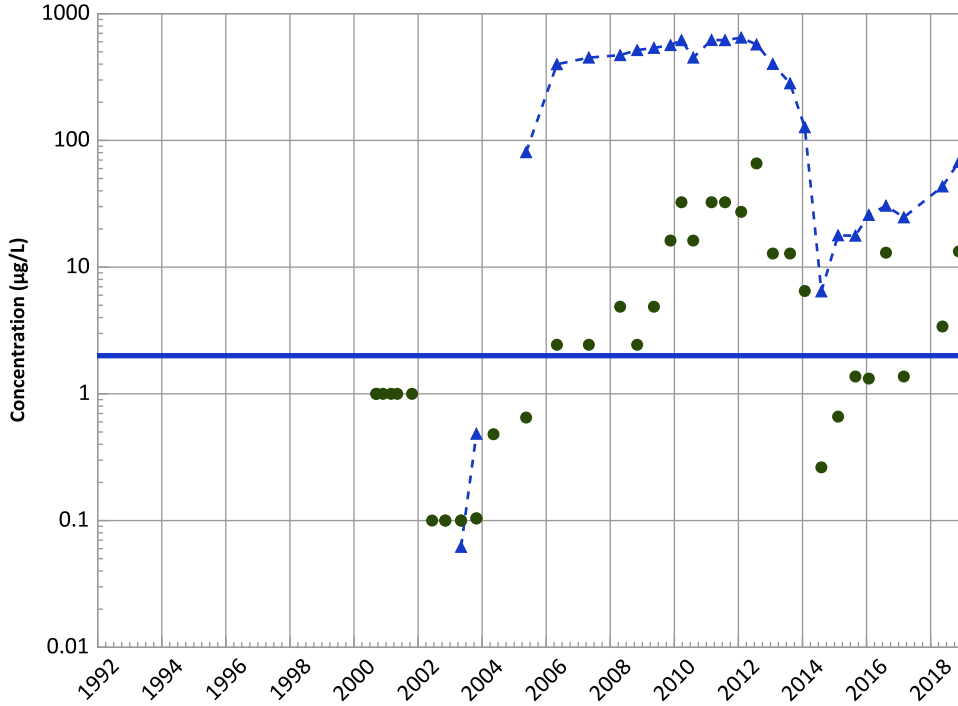
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/11/2000 to 11/19/2018
 Analysis Date: 02/14/2019

Well Location



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

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

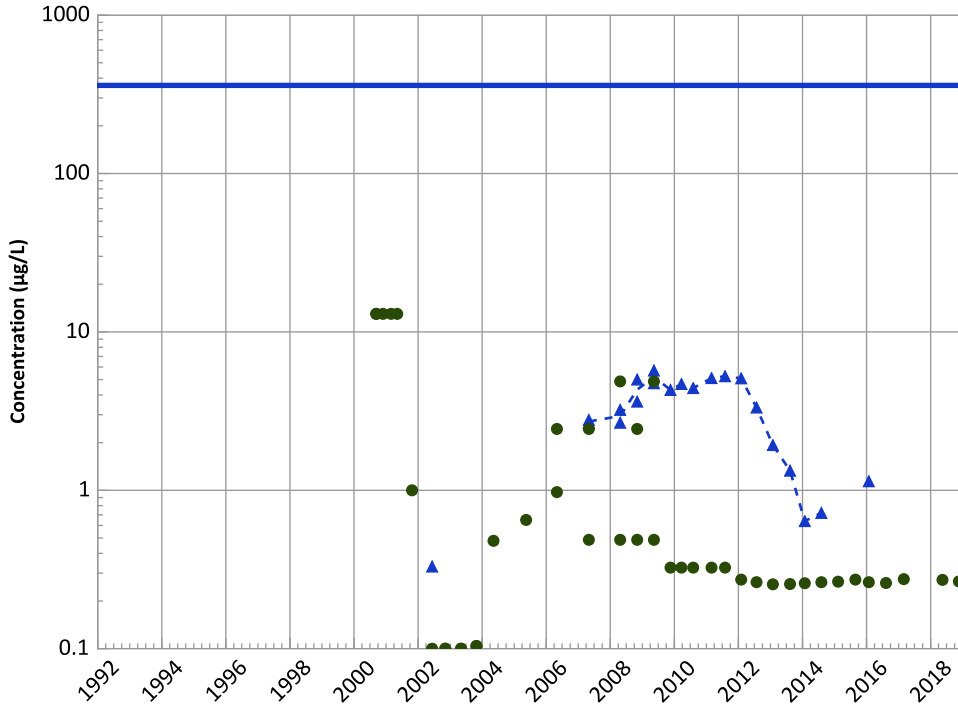


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

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

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

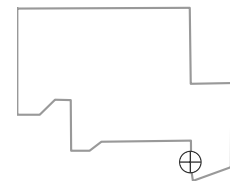


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

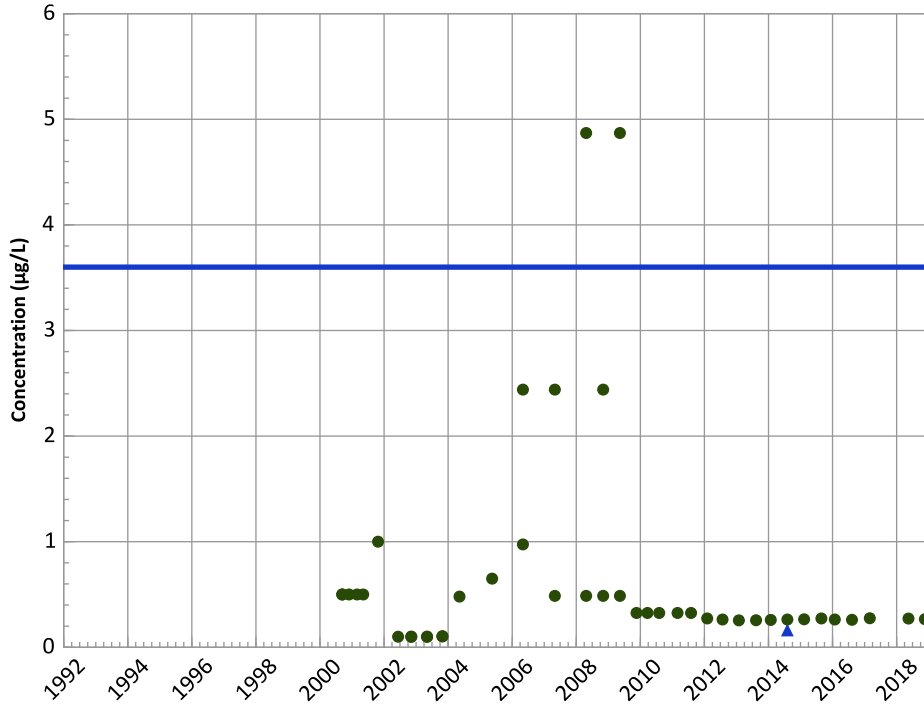


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

TNT (2,4,6-Trinitrotoluene) Trend

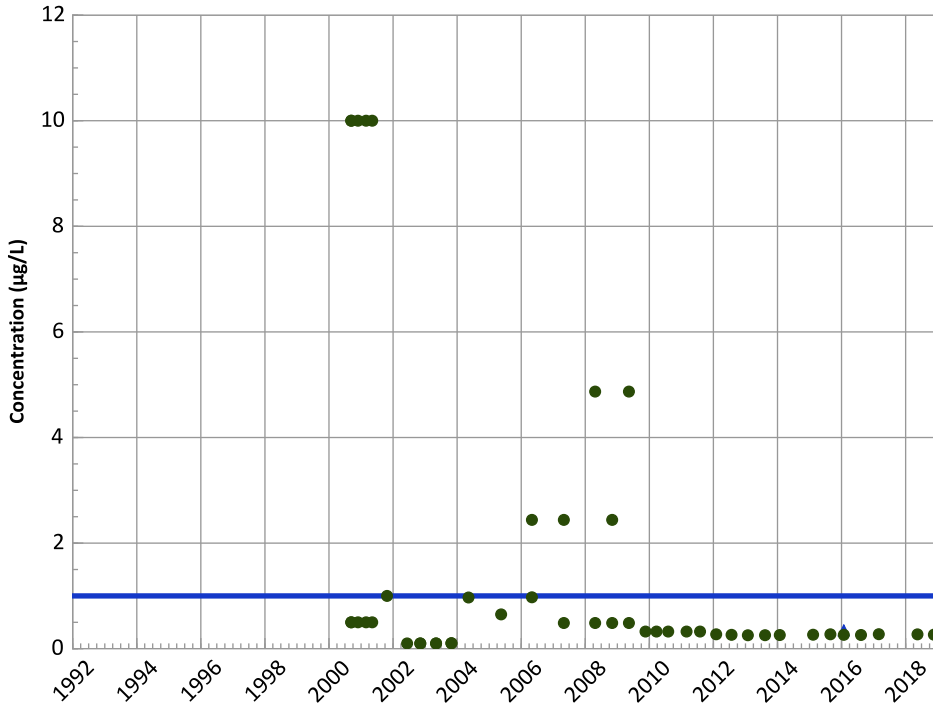


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend

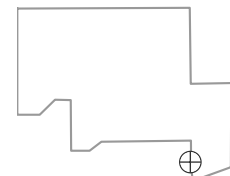


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

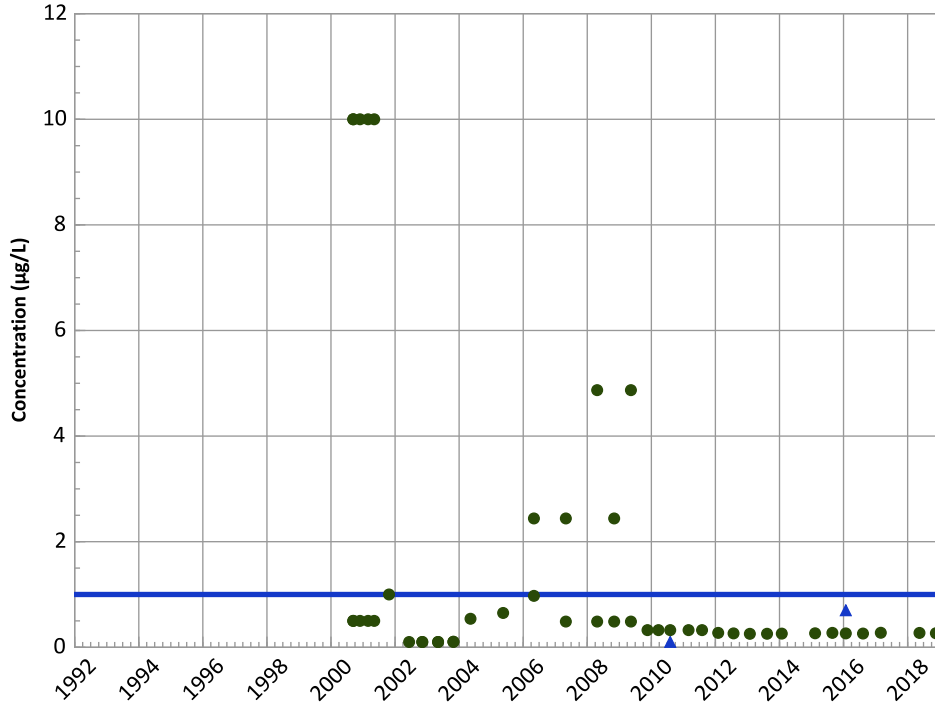


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

2,6-Dinitrotoluene Trend

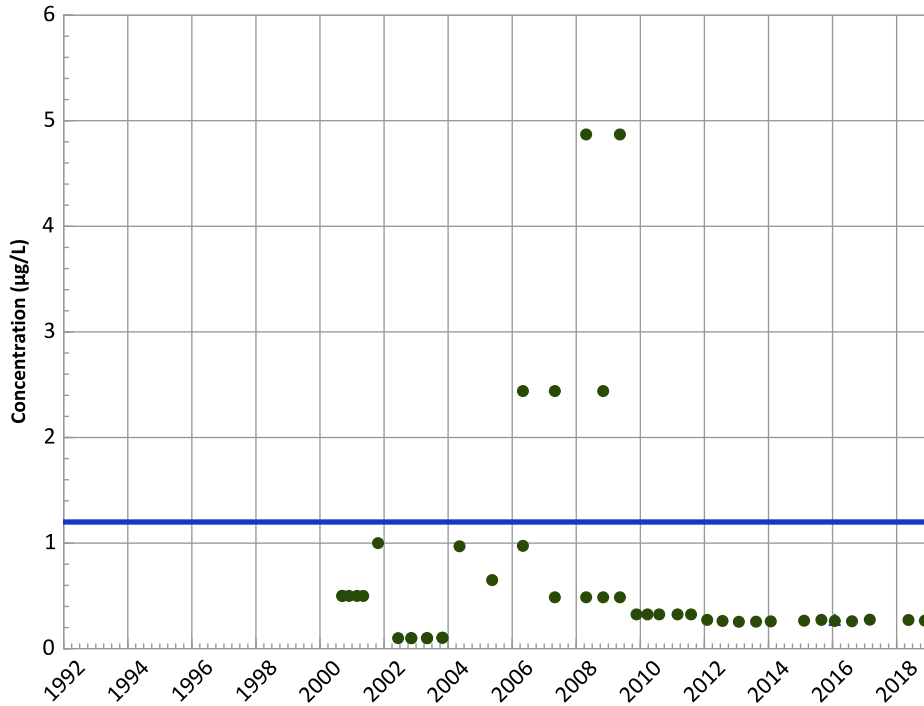


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

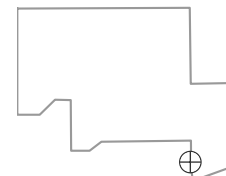
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

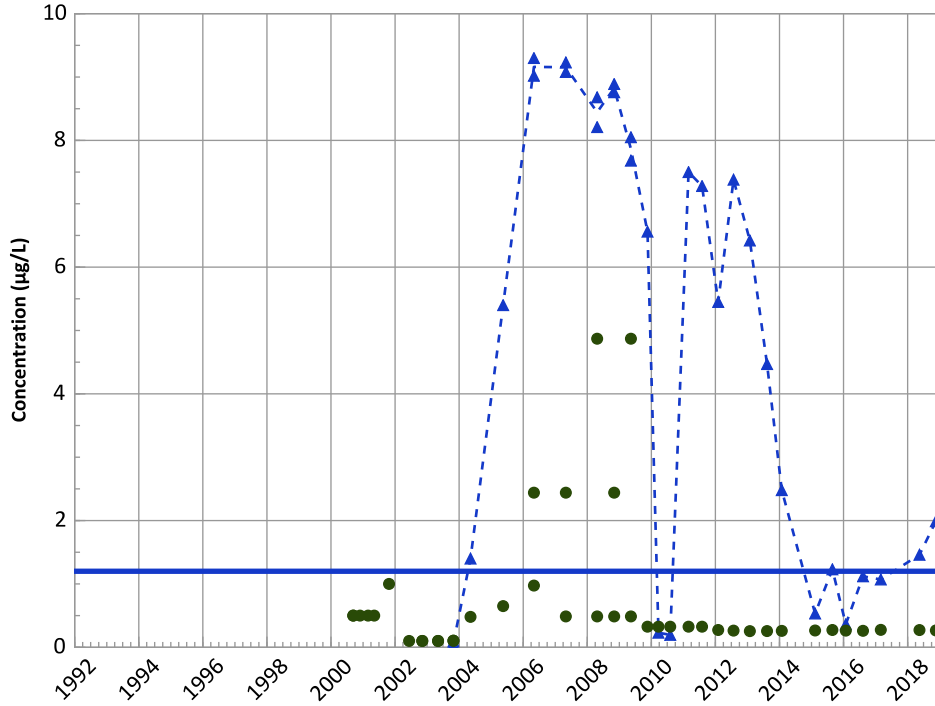
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

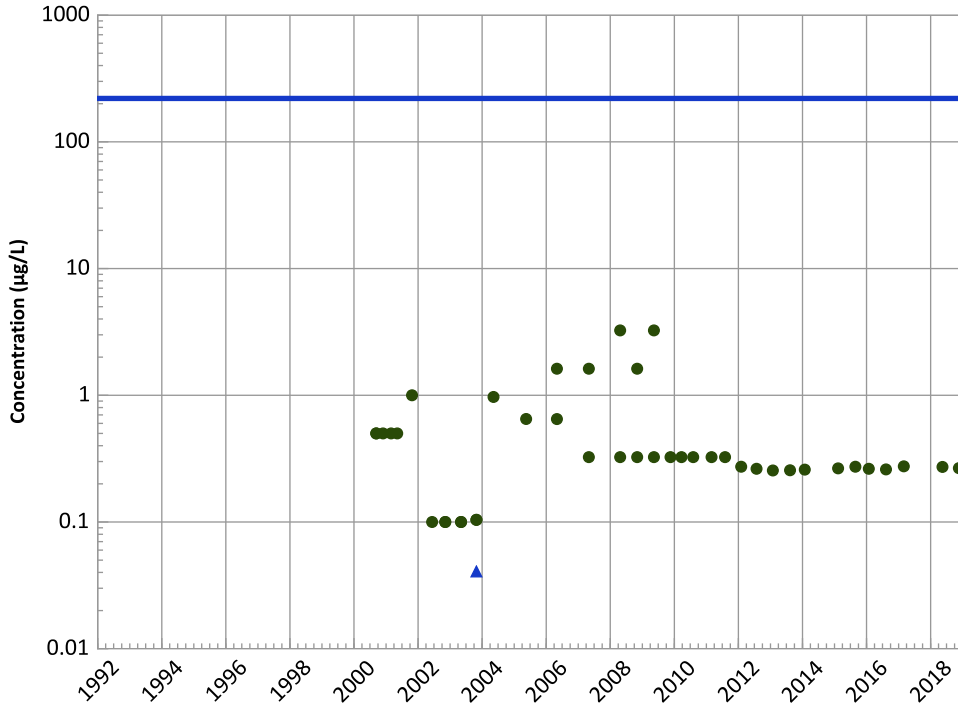
Data (2017 - 2021):

Decreasing

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

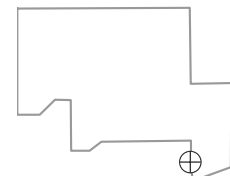
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

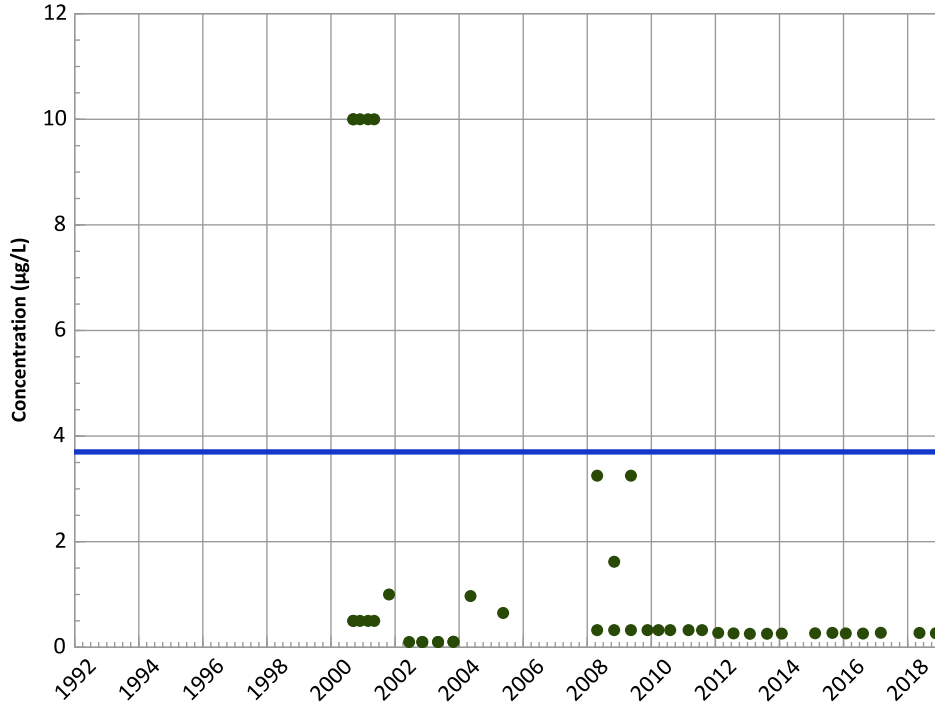


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

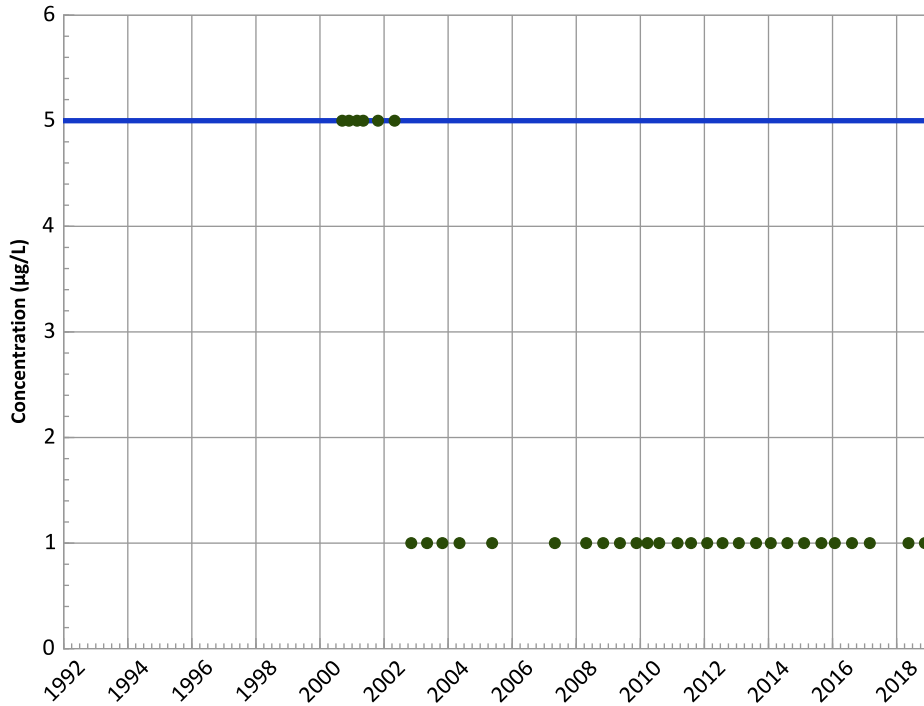
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

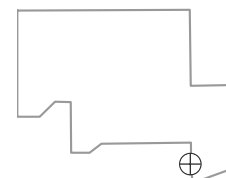
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

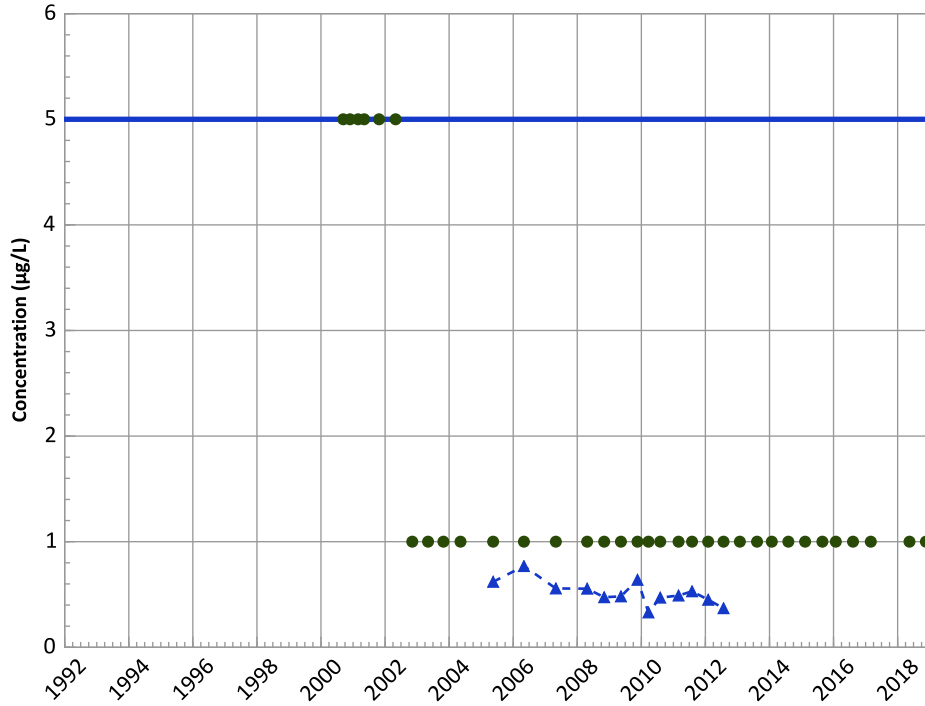
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Trichloroethene Trend

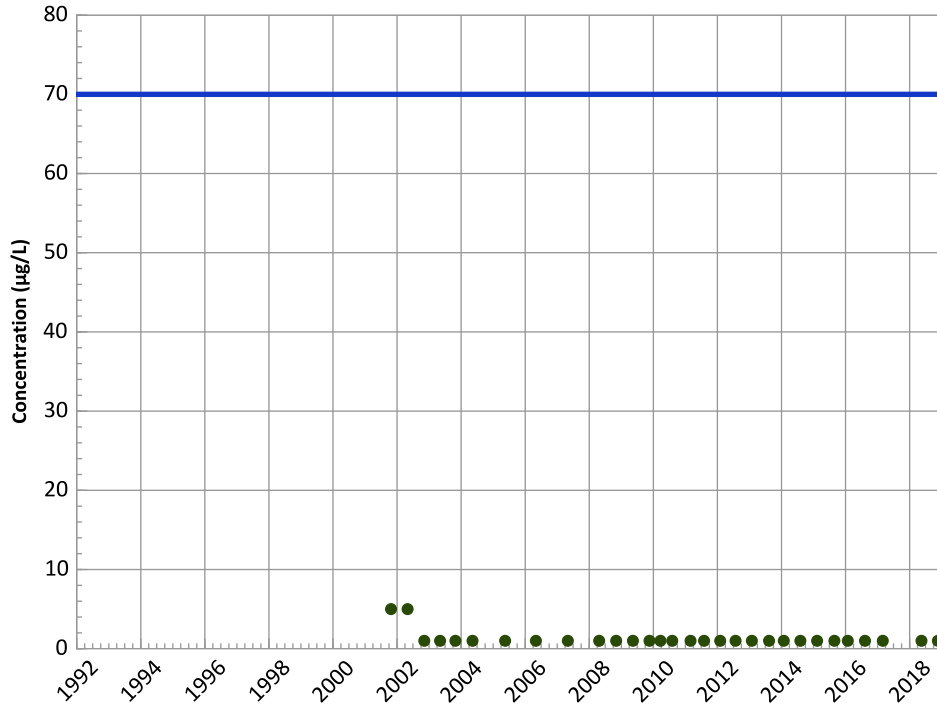


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

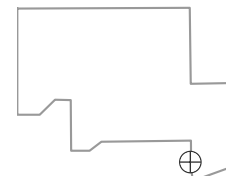
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

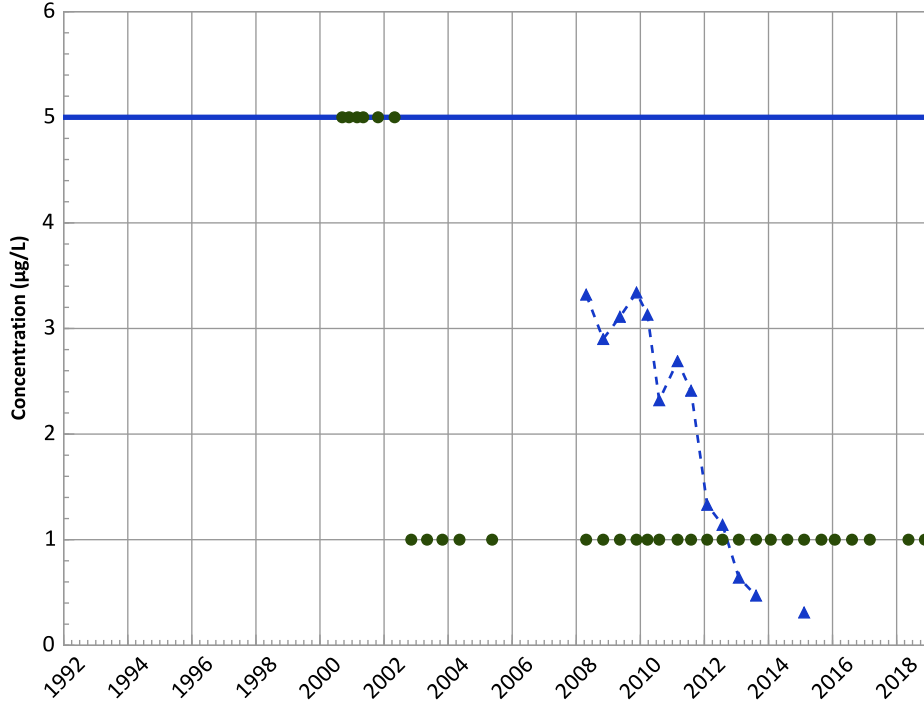
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

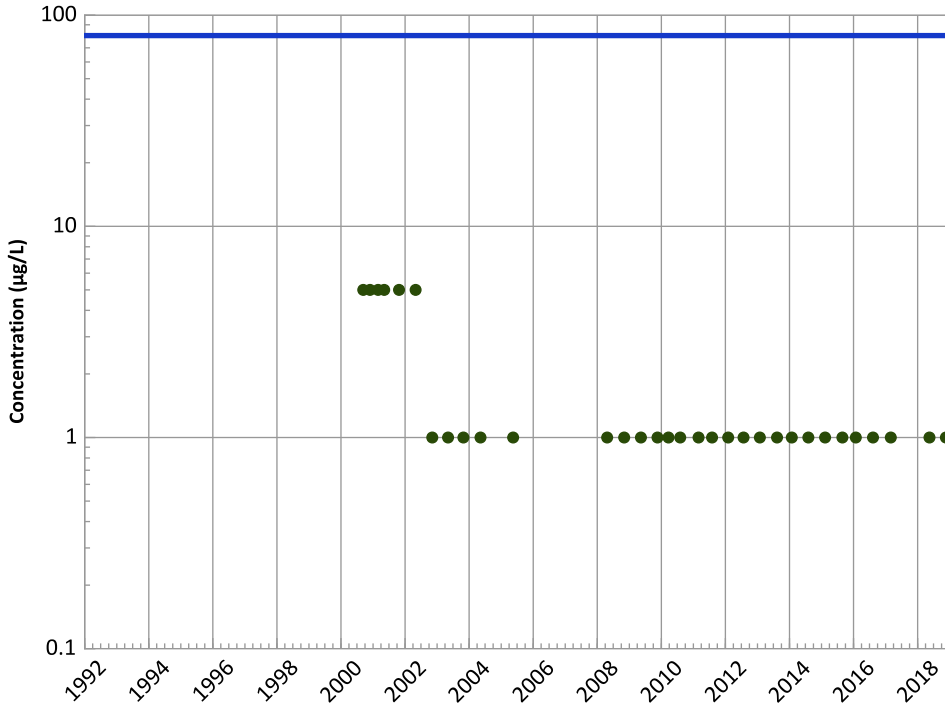
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

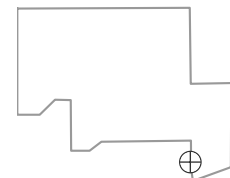
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

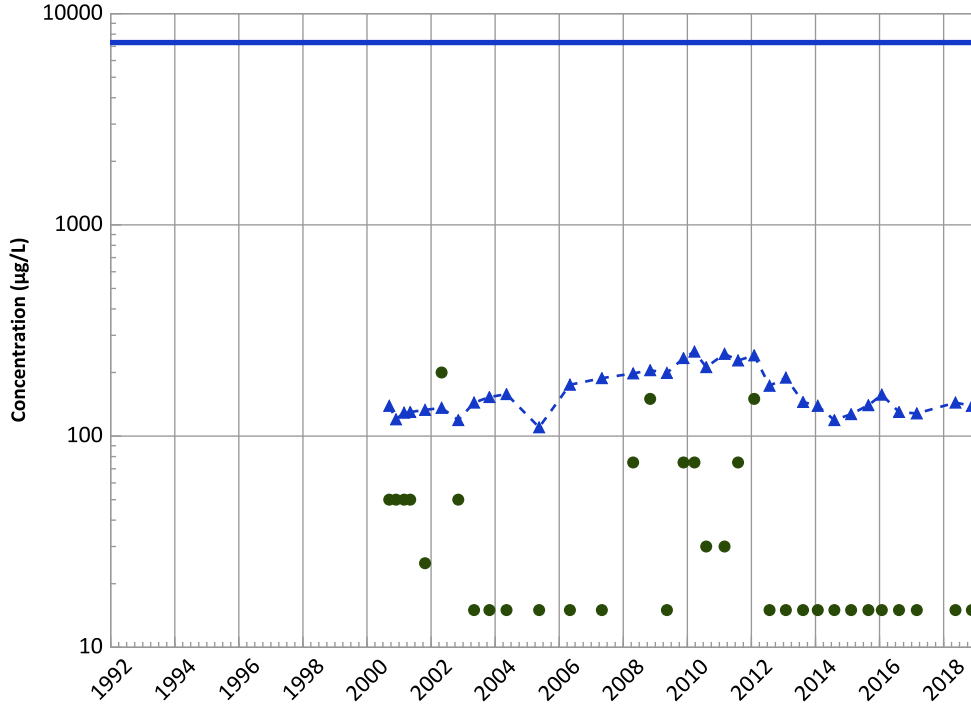
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

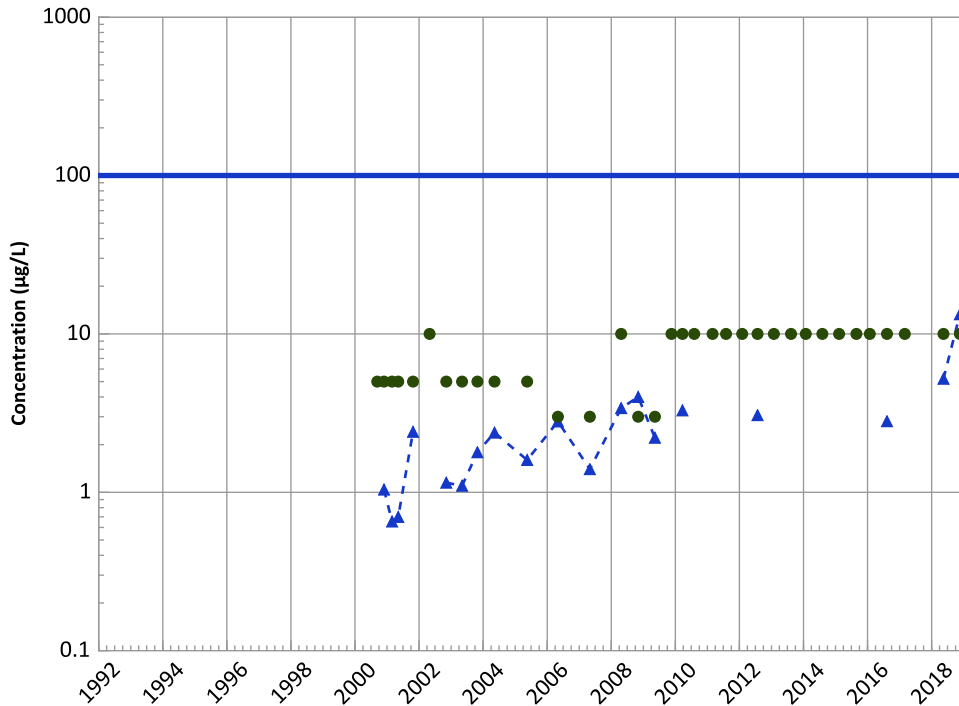
Data (2017 - 2021):

Decreasing

All Data:

No Trend

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

MAROS Linear Regression Method

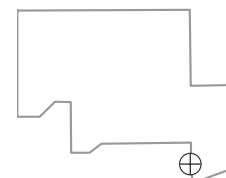
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

Well Location

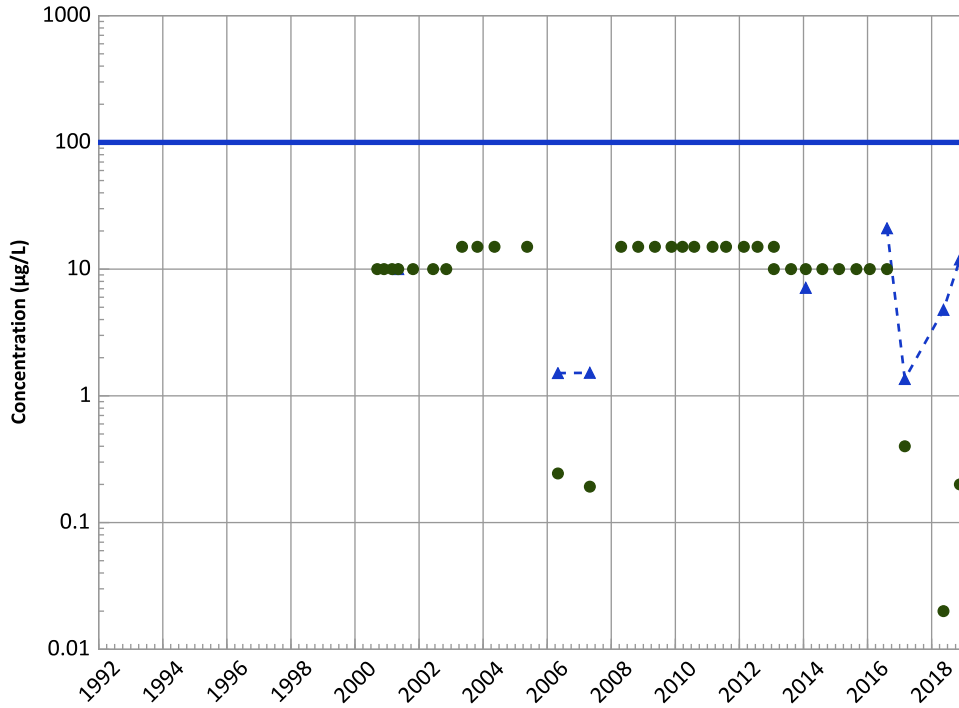


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Chromium, Hexavalent Trend

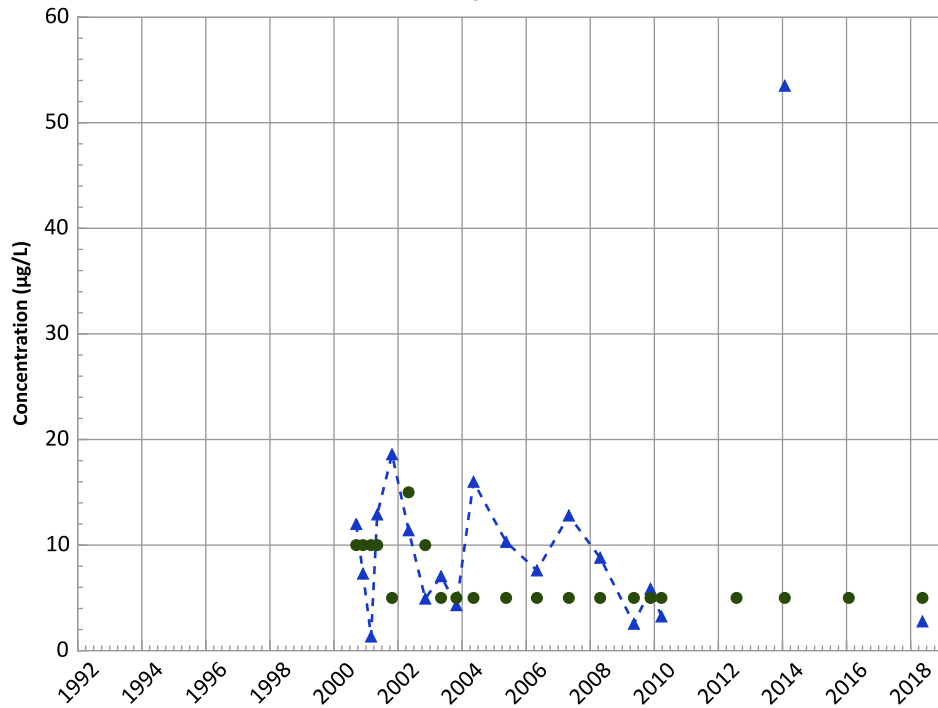


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Manganese Trend

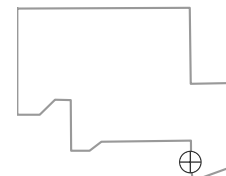


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

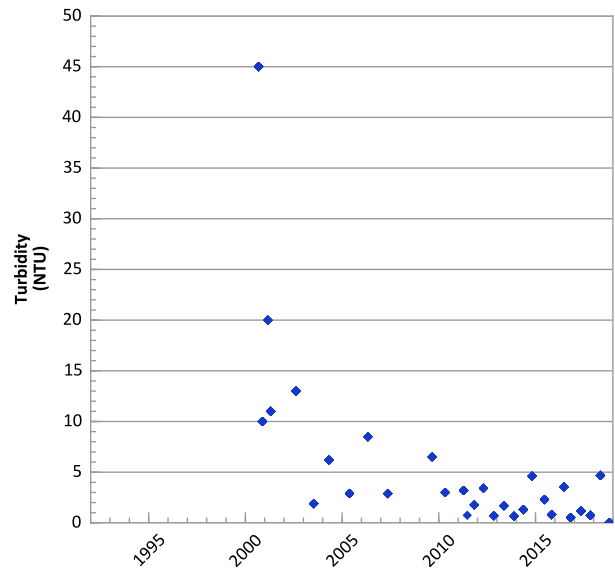
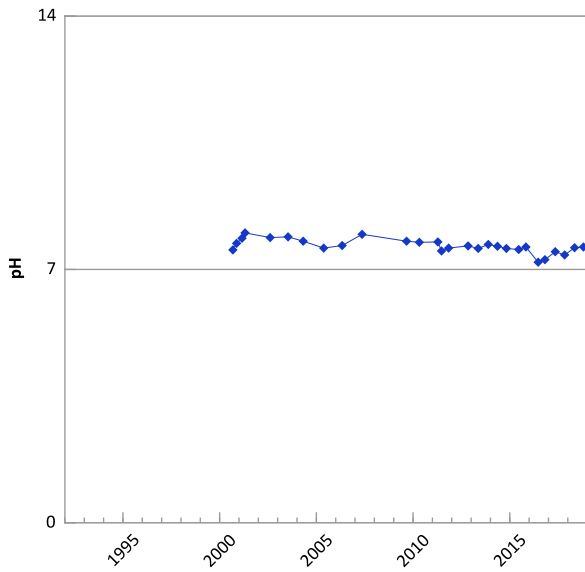
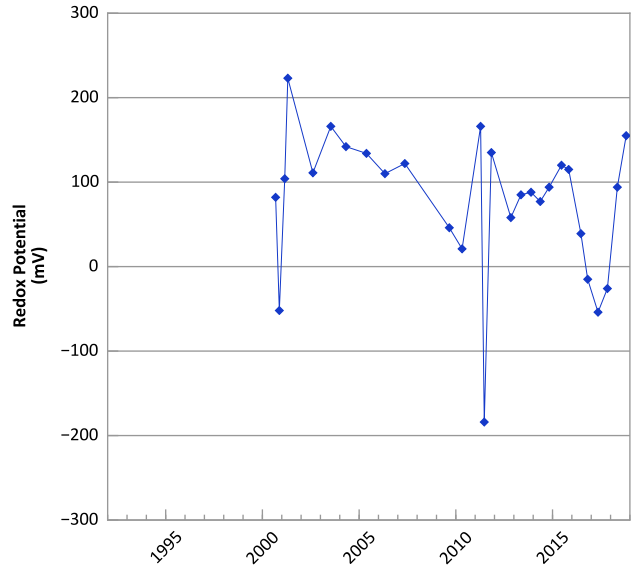
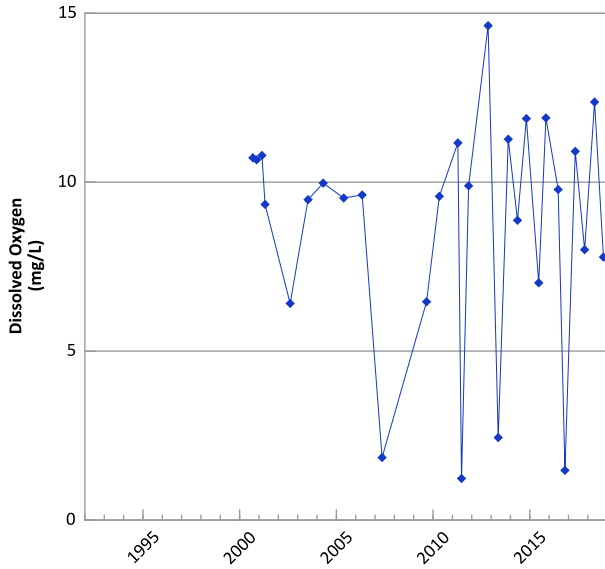
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/11/2000 to 11/19/2018
Analysis Date: 02/14/2019

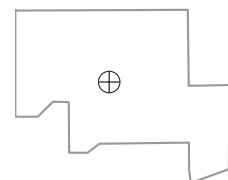
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



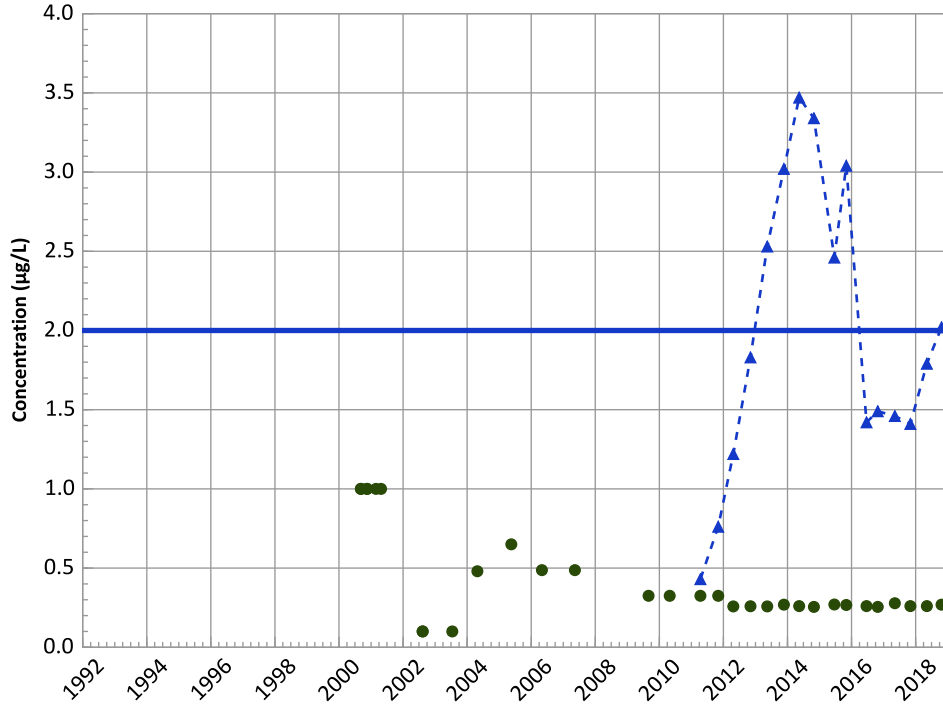
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/07/2000 to 10/23/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

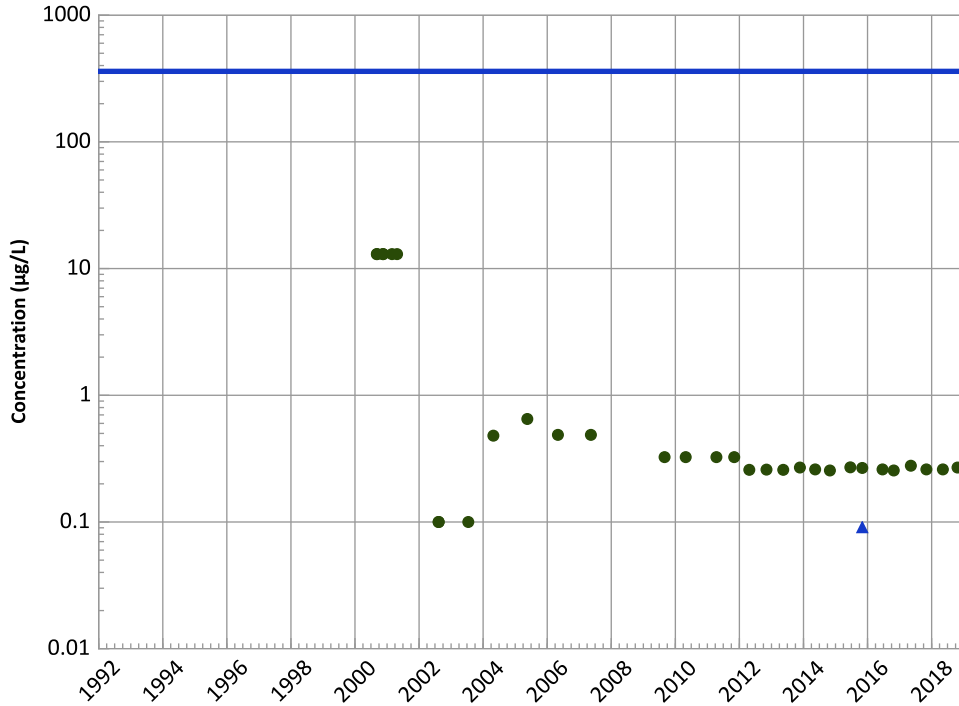
Data (2017 - 2021):

Increasing

All Data:

No Trend

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

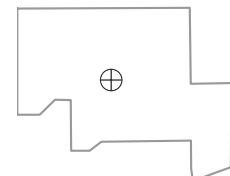
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

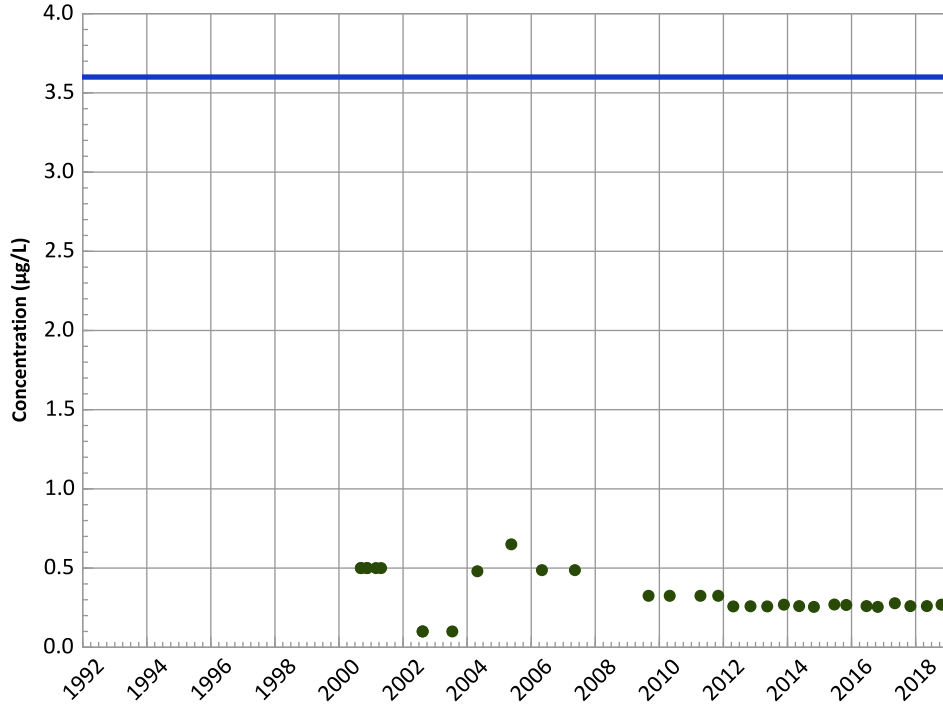


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

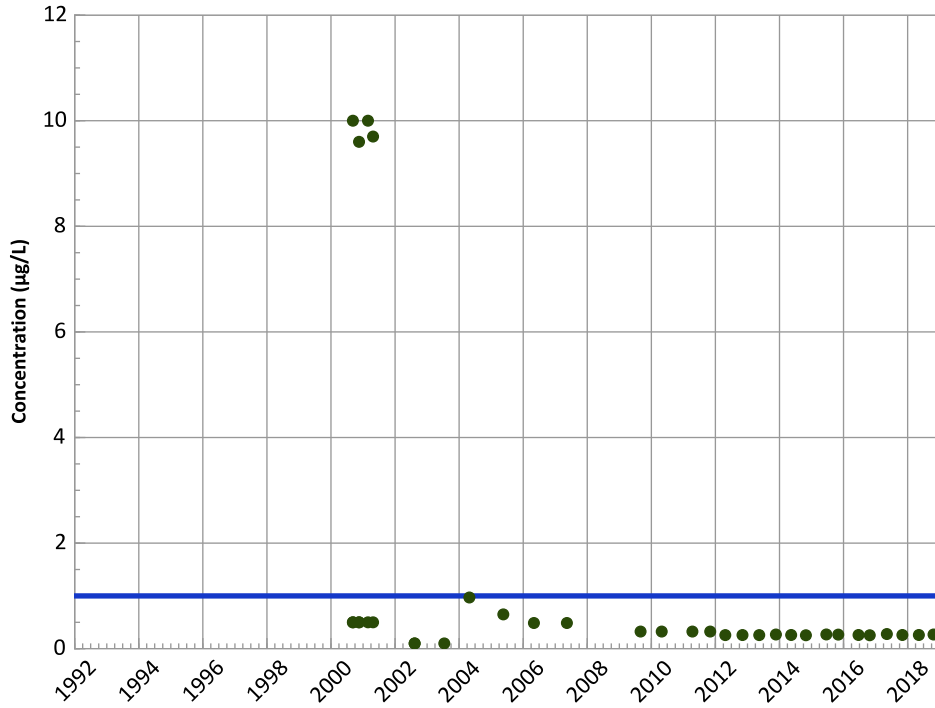
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

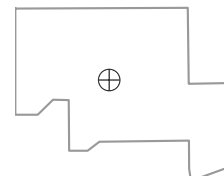
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

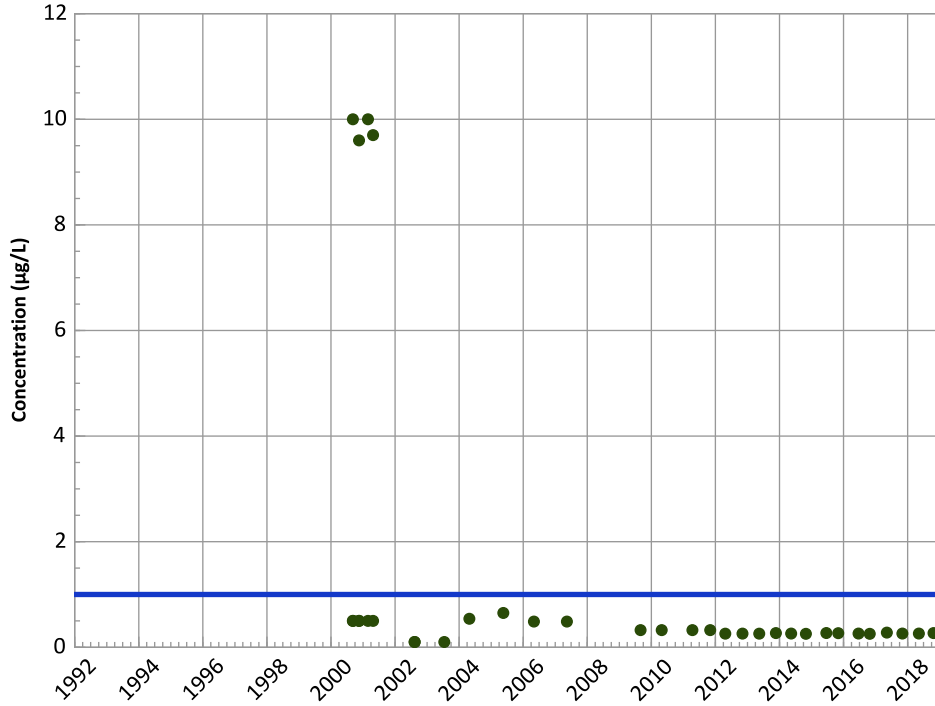
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

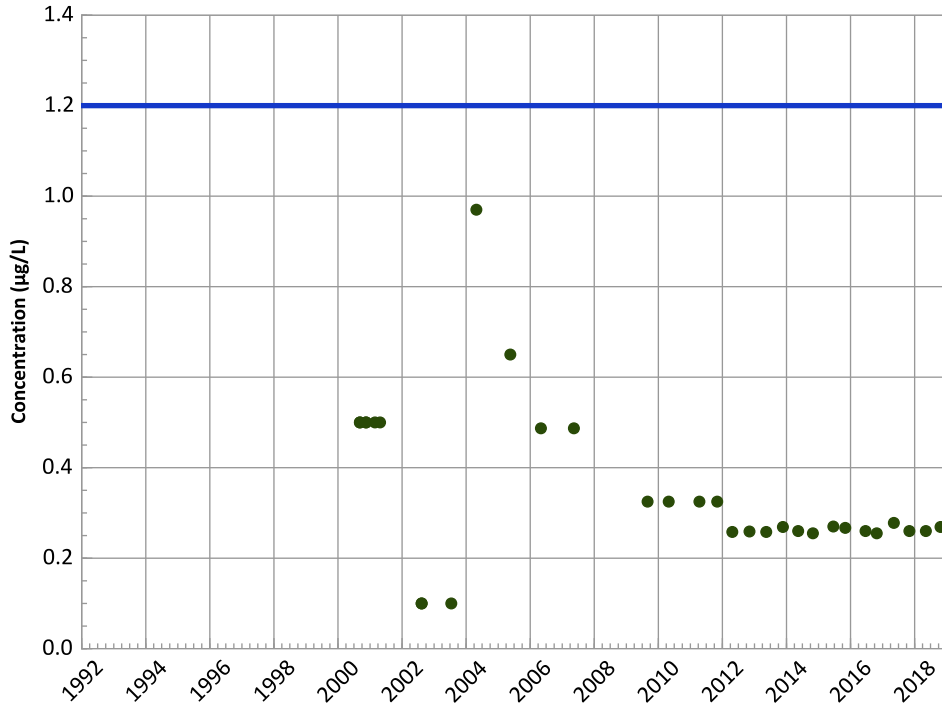
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

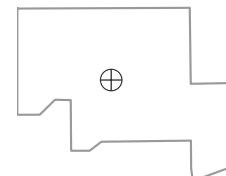
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

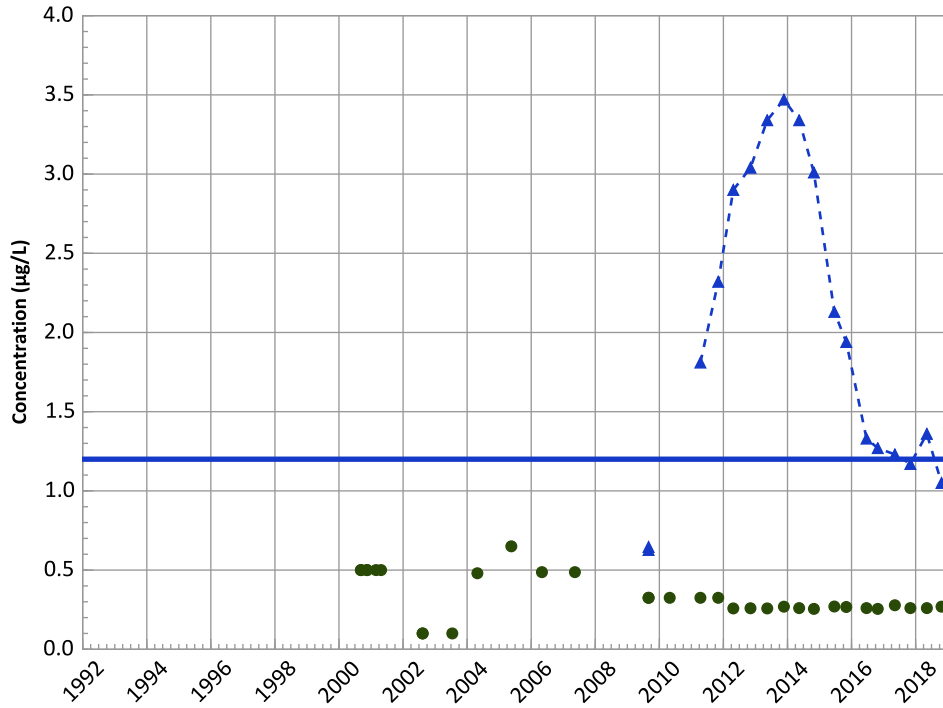


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

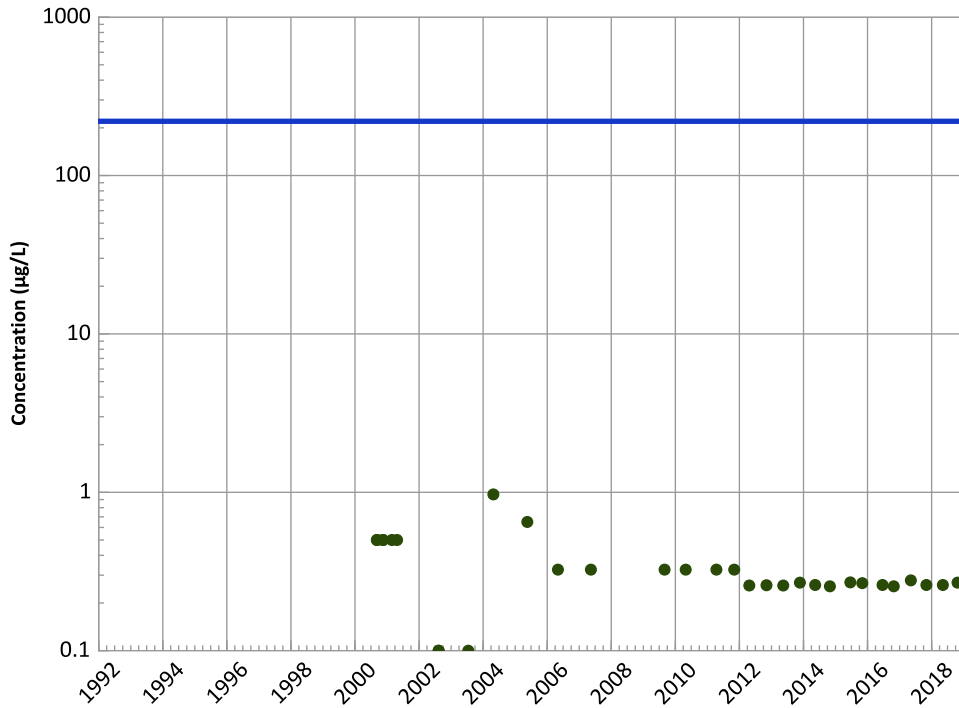
Data (2017 - 2021):

Decreasing

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

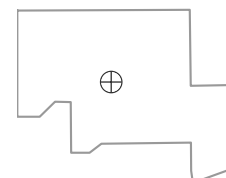
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

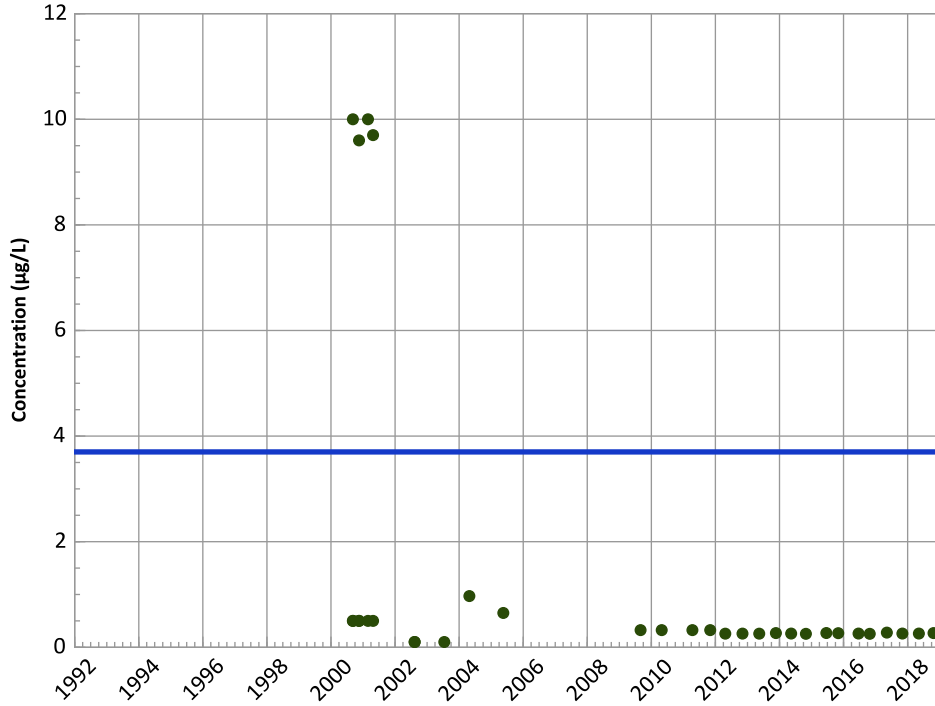
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

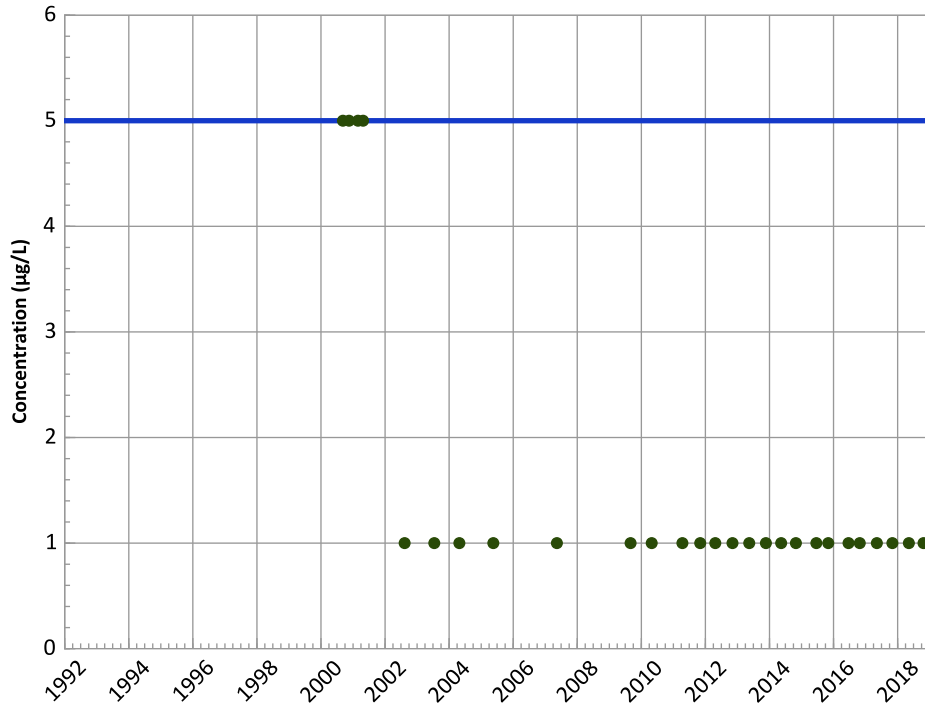
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

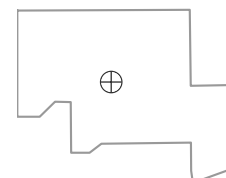
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

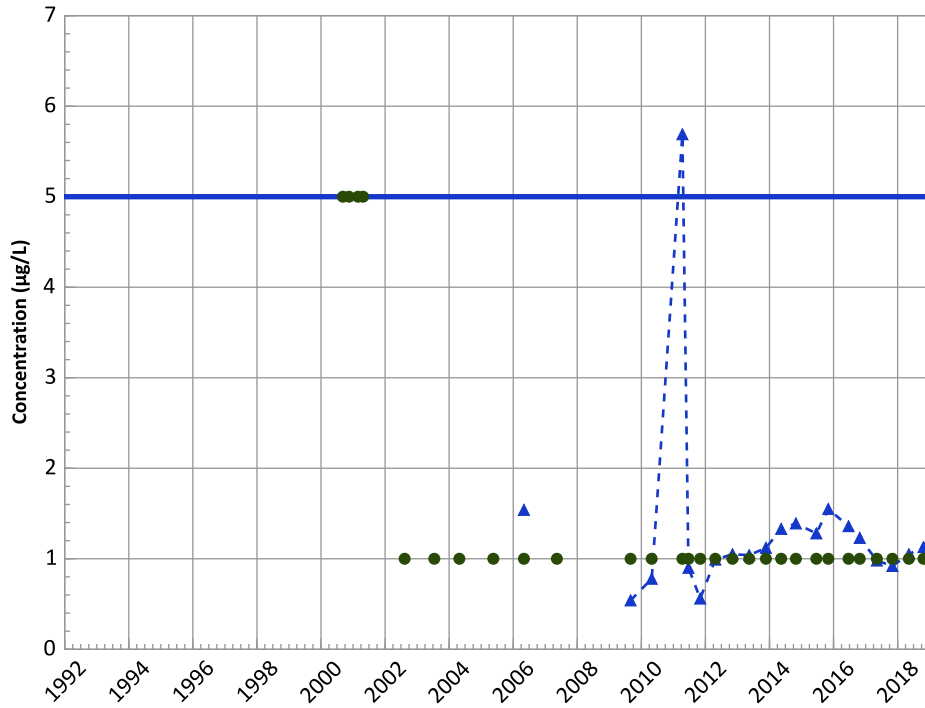
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

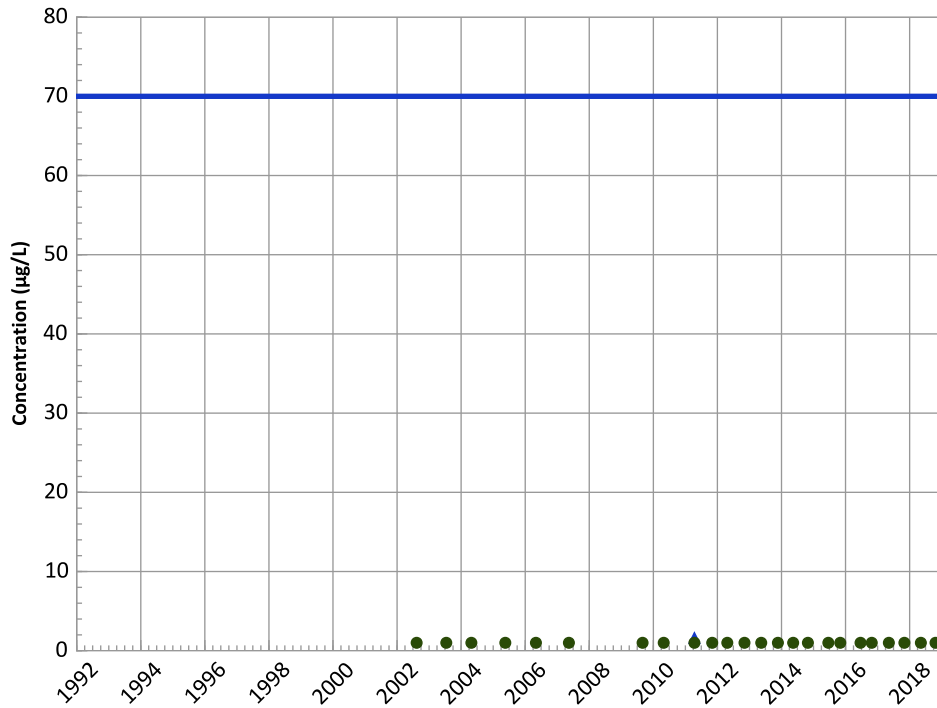
Data (2017 - 2021):

Increasing

All Data:

Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

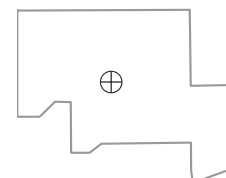
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

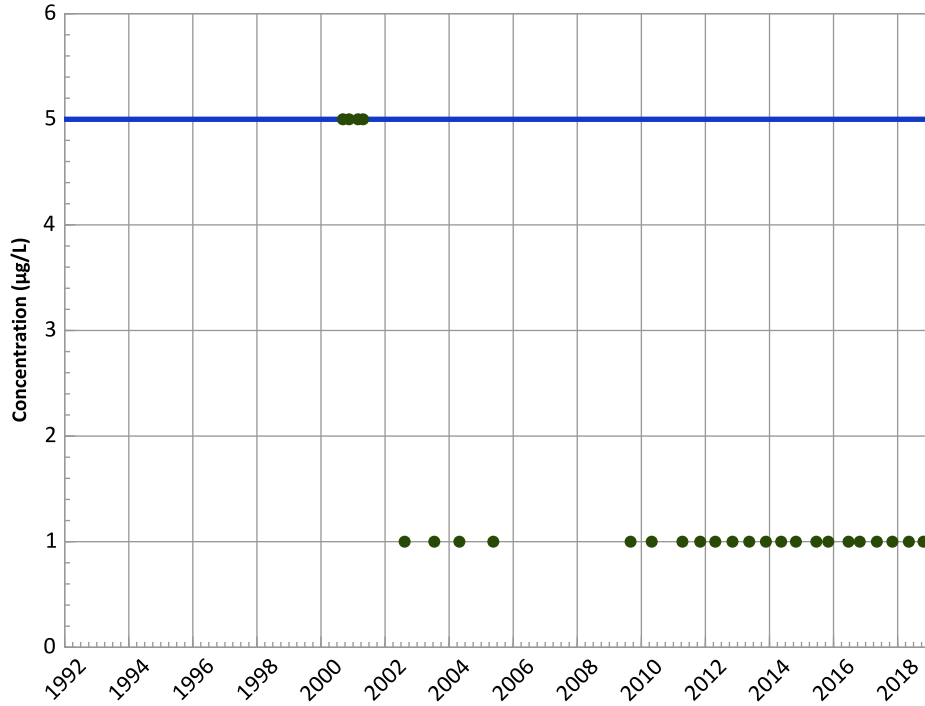


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

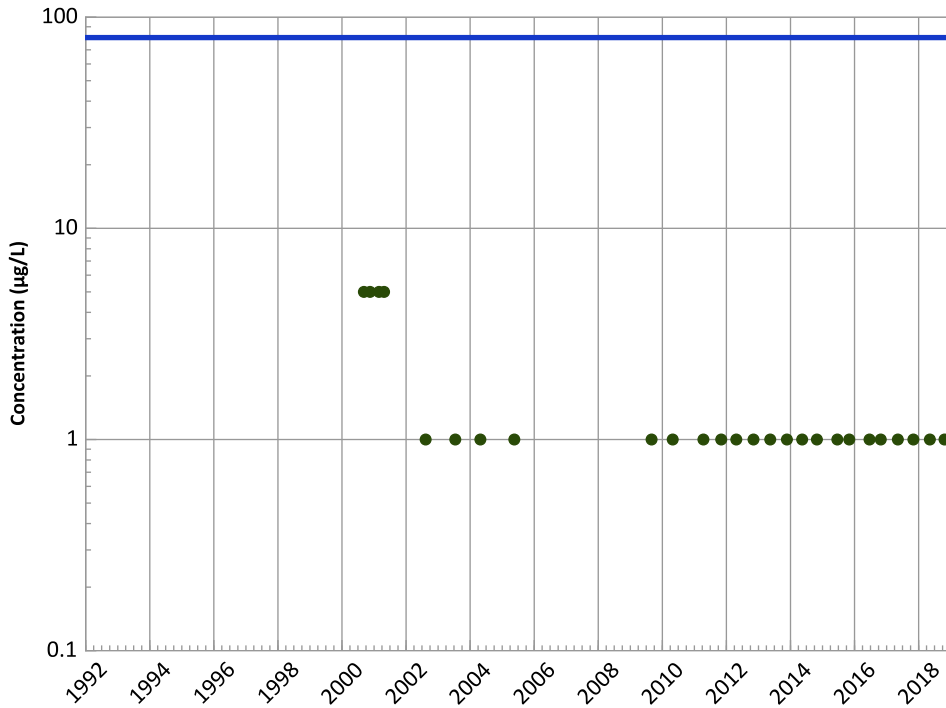
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

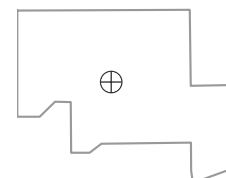
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

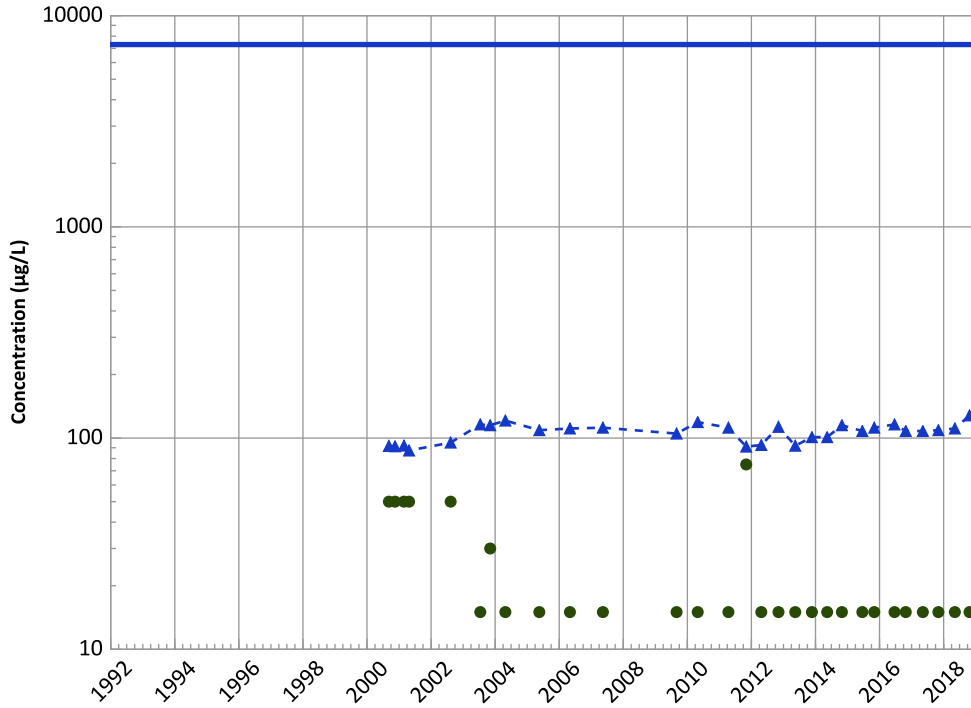


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1049 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

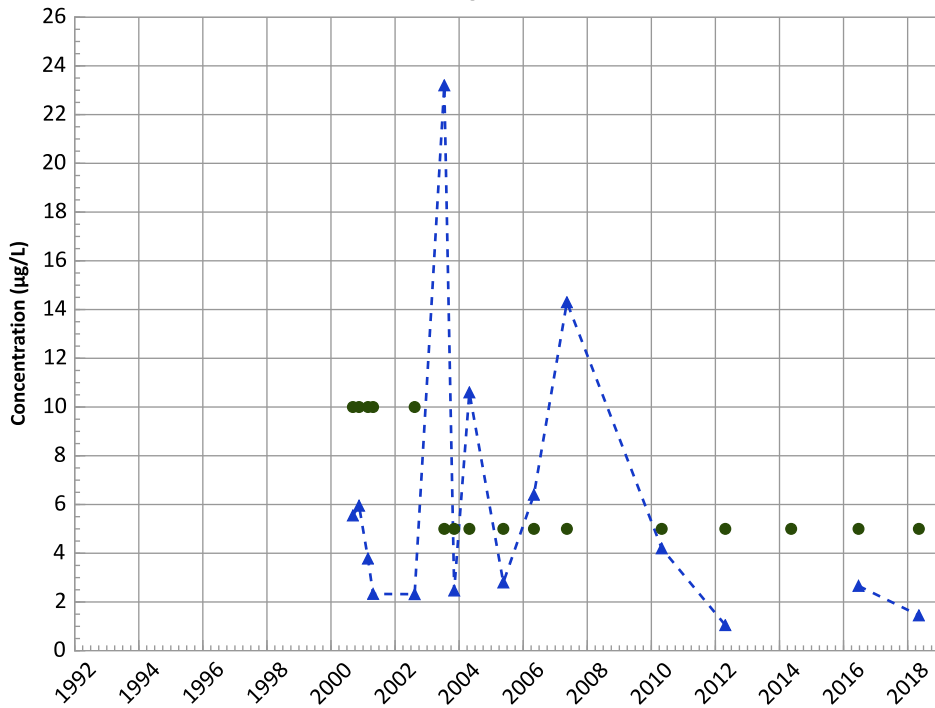
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

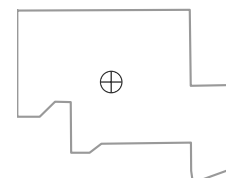
All Data:

Probably Decreasing

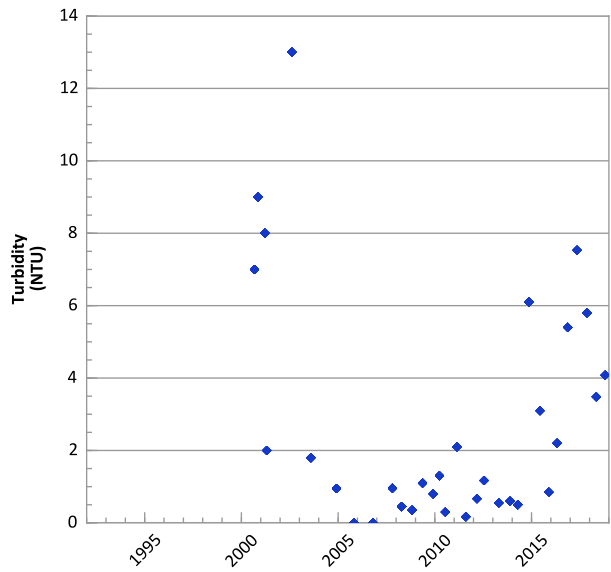
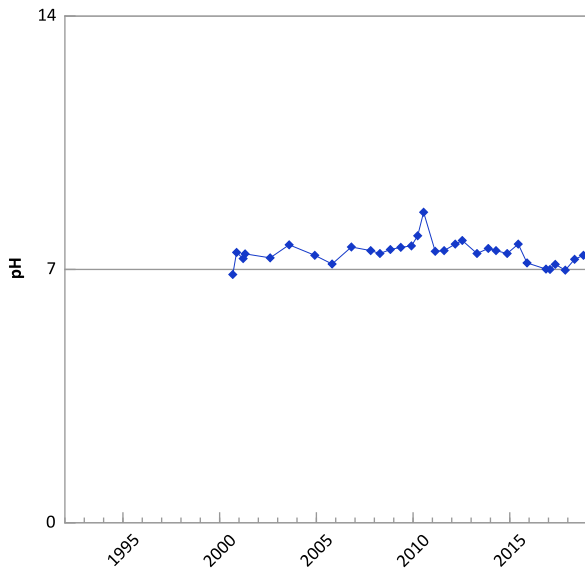
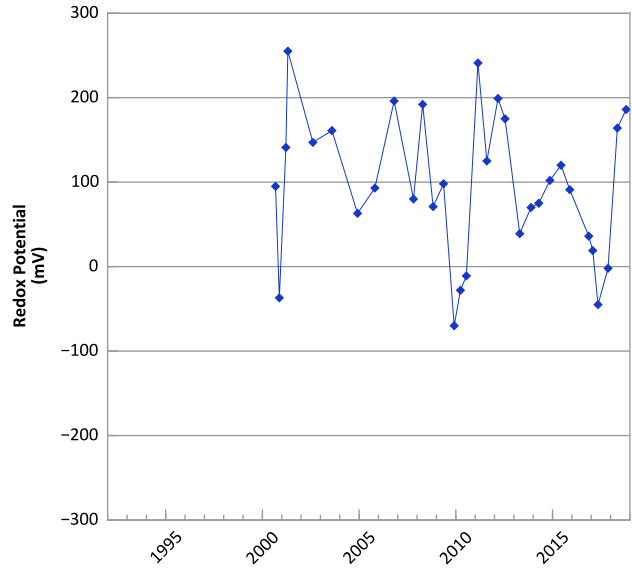
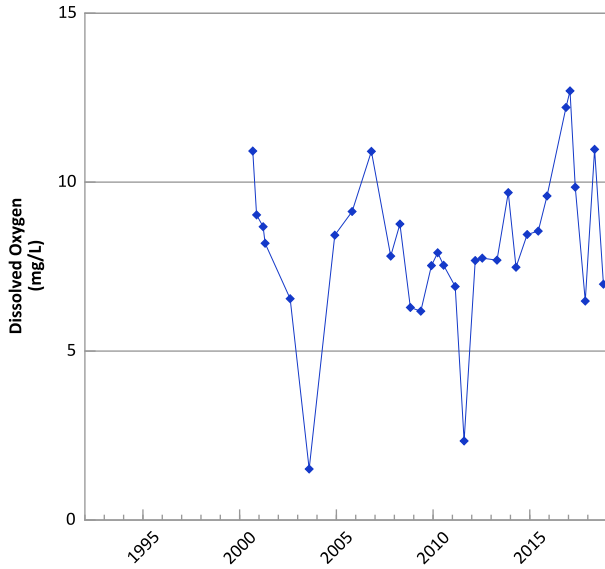
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/07/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

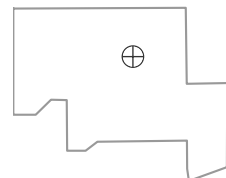


**PTX06-1050 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



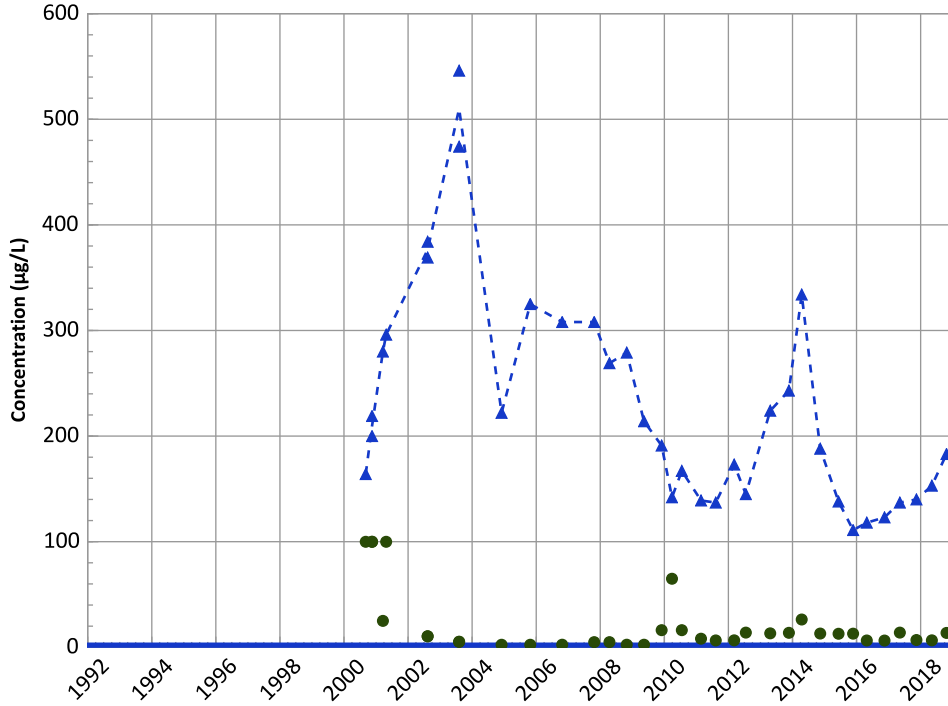
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/05/2000 to 10/23/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

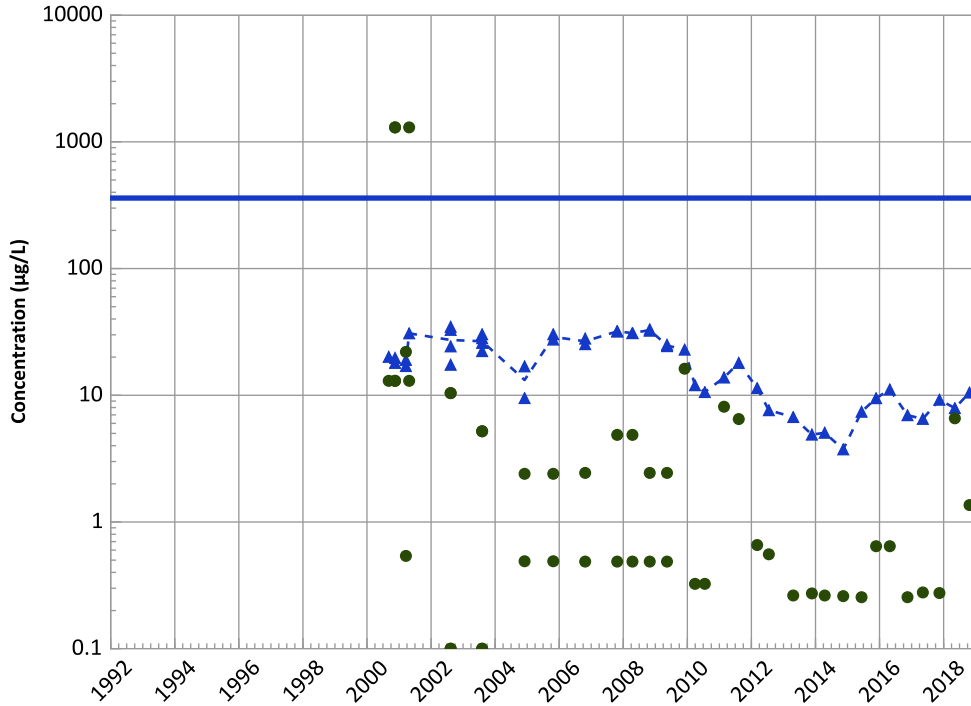
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

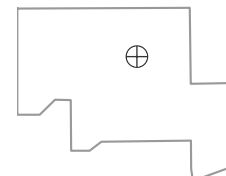
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/05/2000 to 10/23/2018
Analysis Date: 02/14/2019

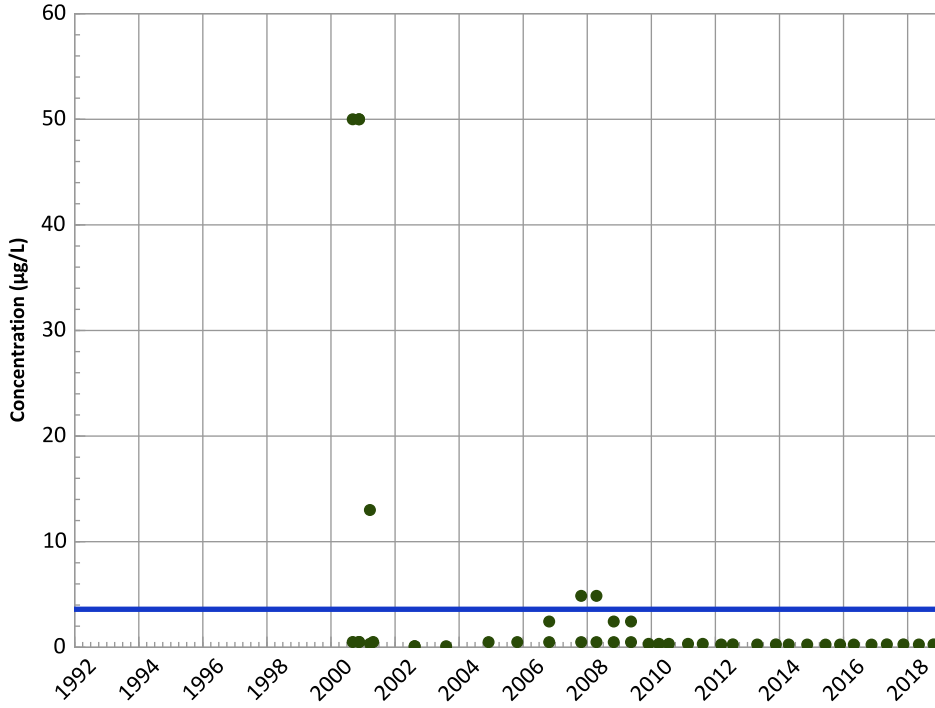
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

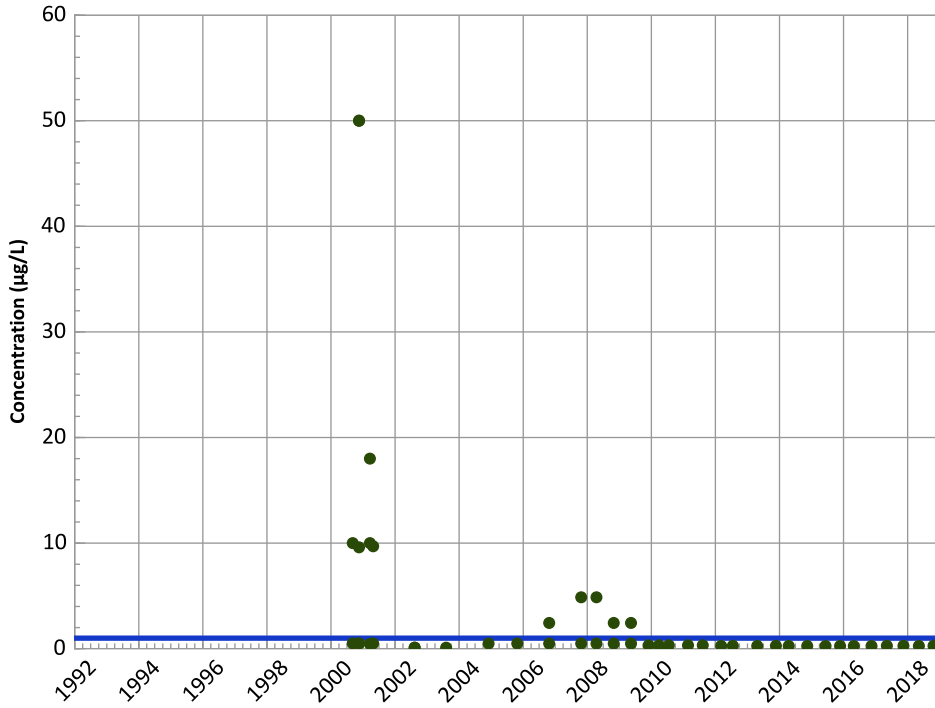
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

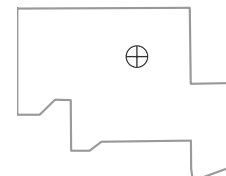
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

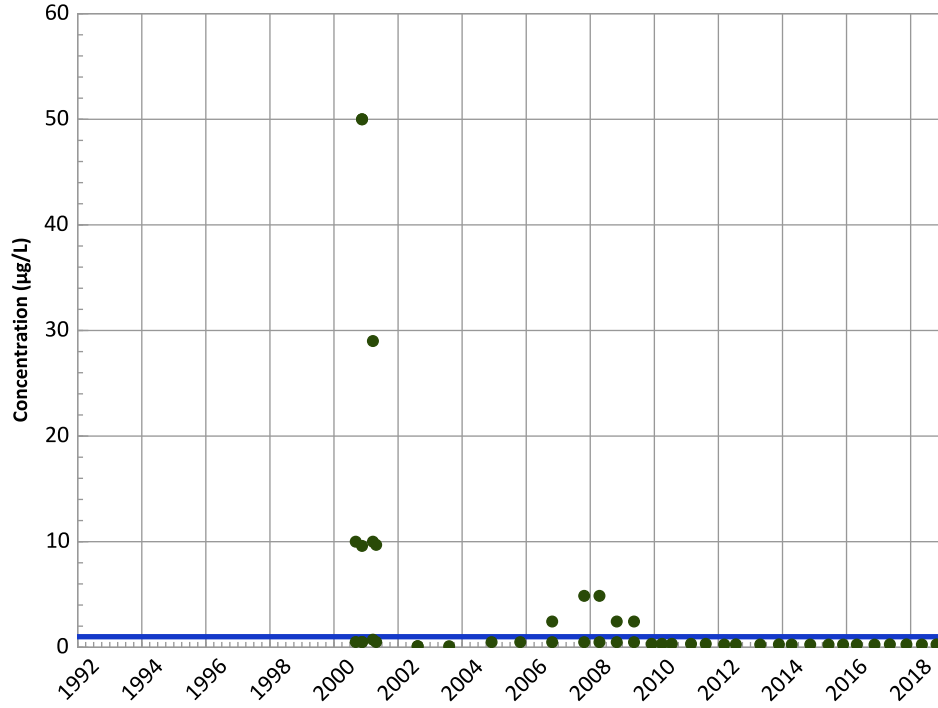


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/05/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1050 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

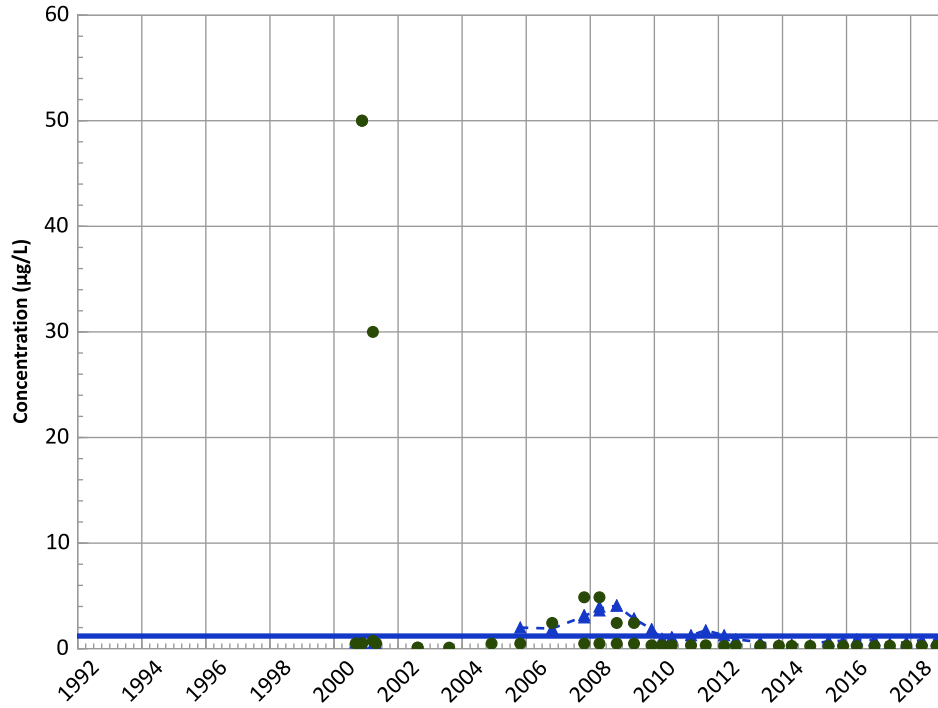
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

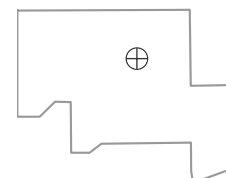
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/05/2000 to 10/23/2018
Analysis Date: 02/14/2019

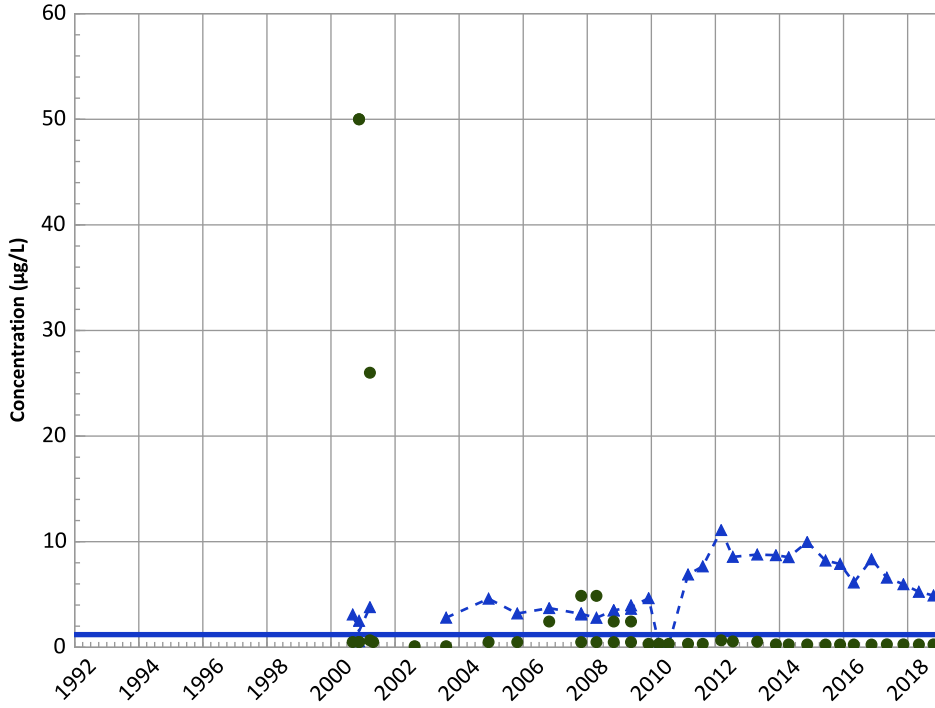
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

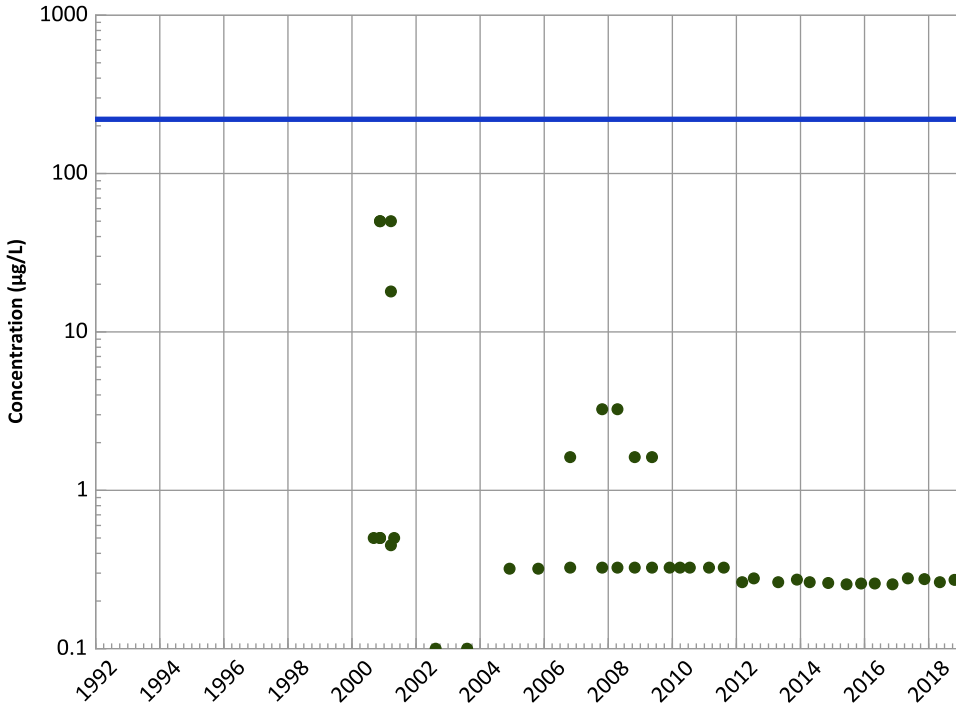
Data (2017 - 2021):

Decreasing

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

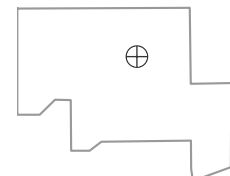
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/05/2000 to 10/23/2018
Analysis Date: 02/14/2019

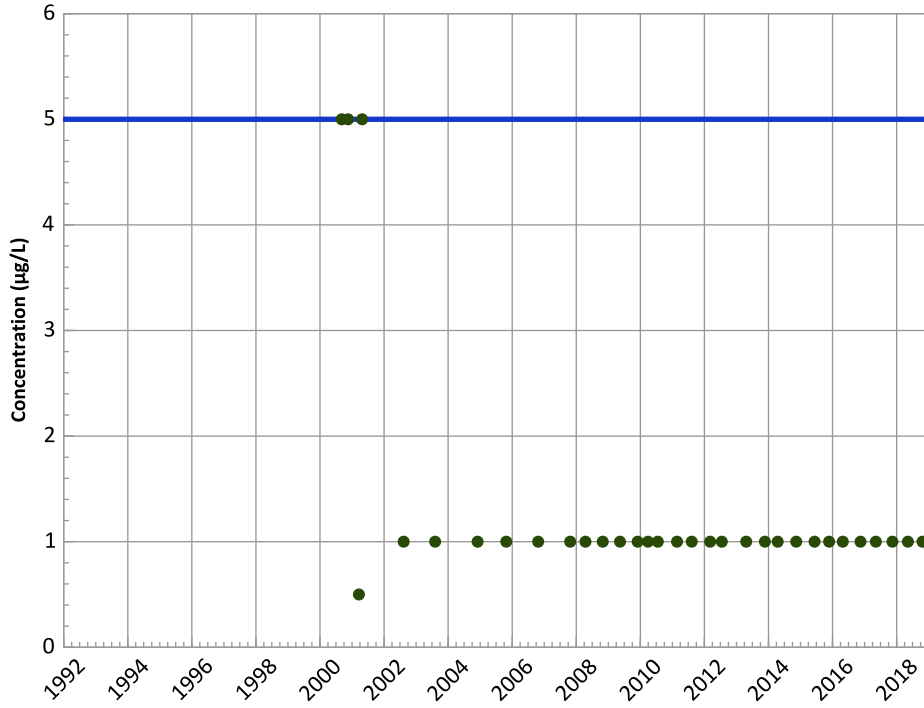
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

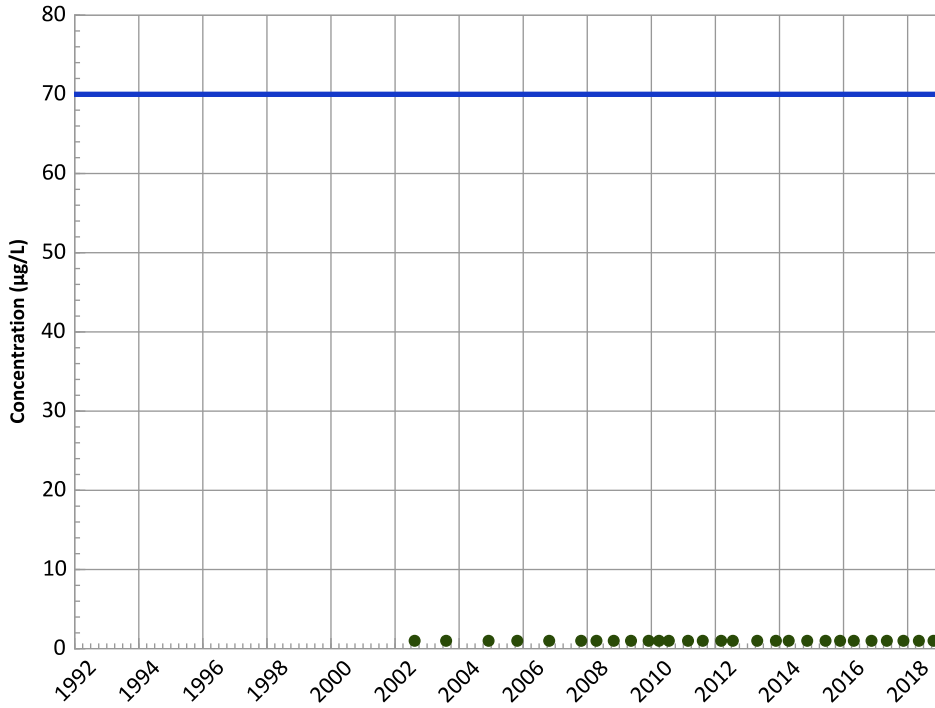
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

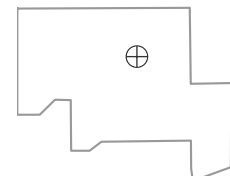
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/05/2000 to 10/23/2018
Analysis Date: 02/14/2019

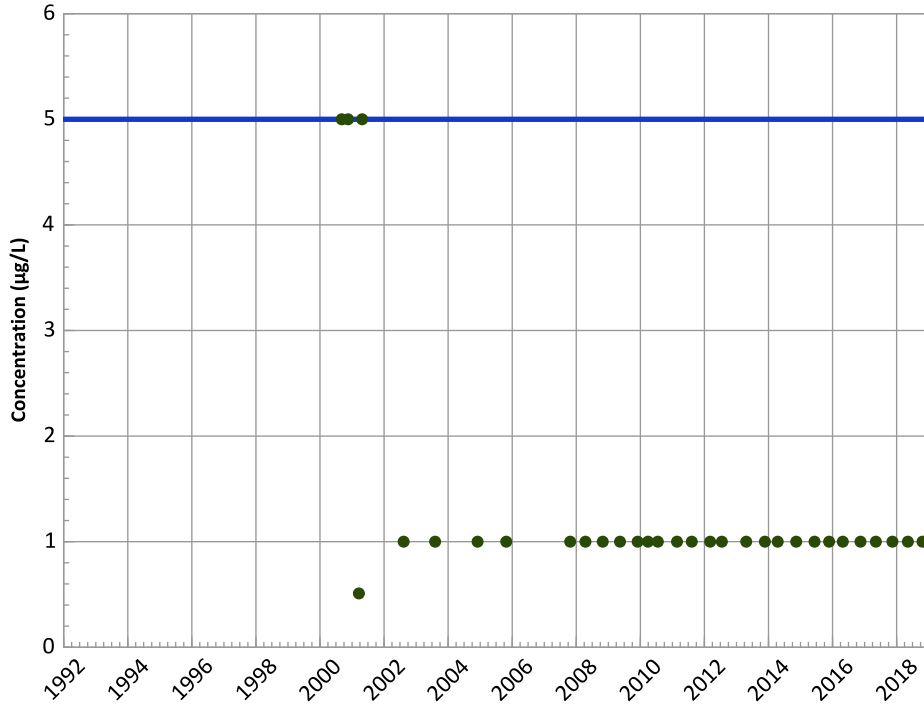
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1050 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

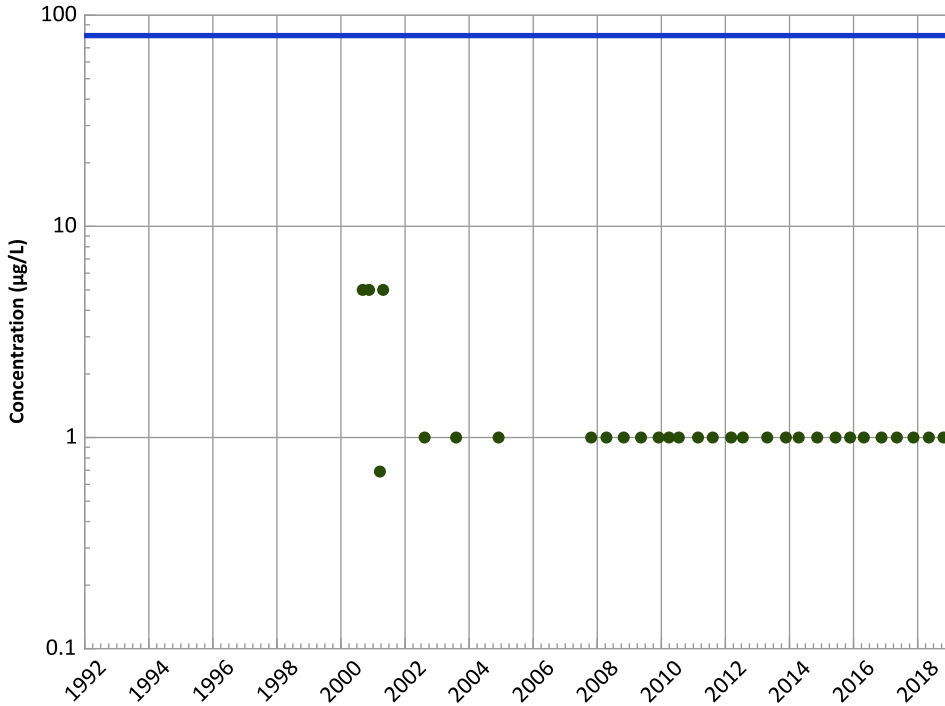
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

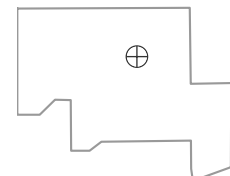
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

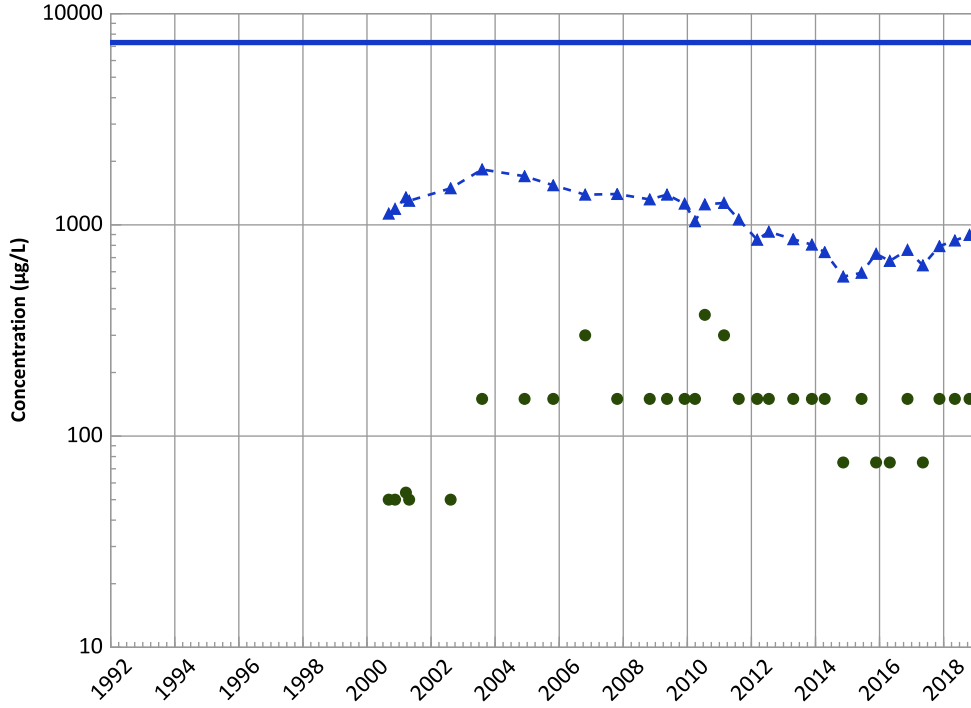


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/05/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1050 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

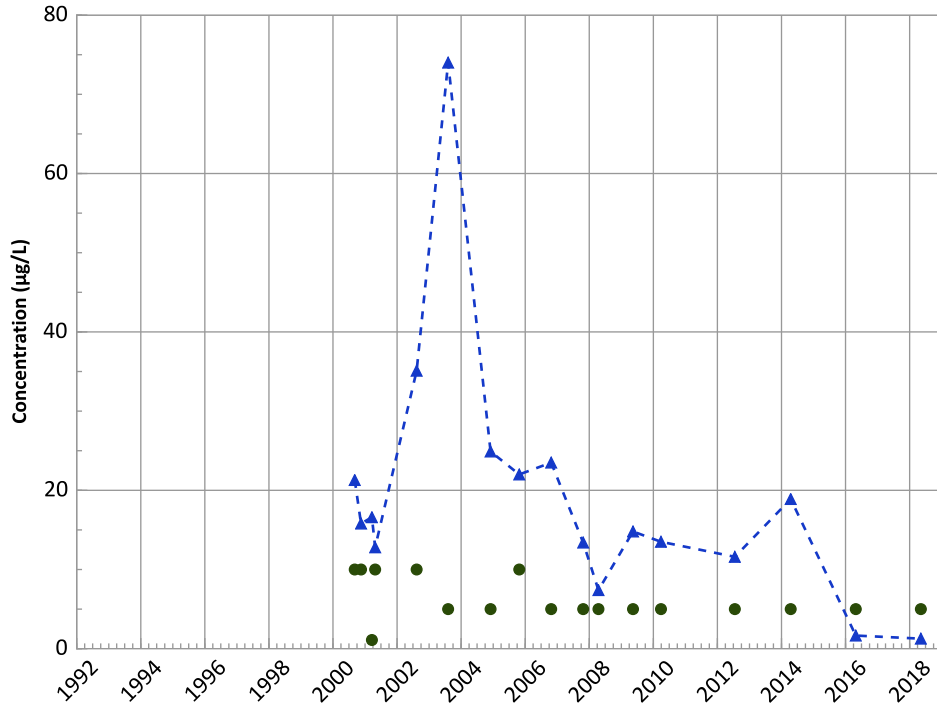
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

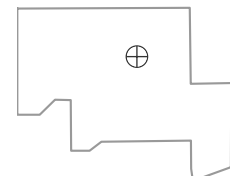
All Data:

Decreasing

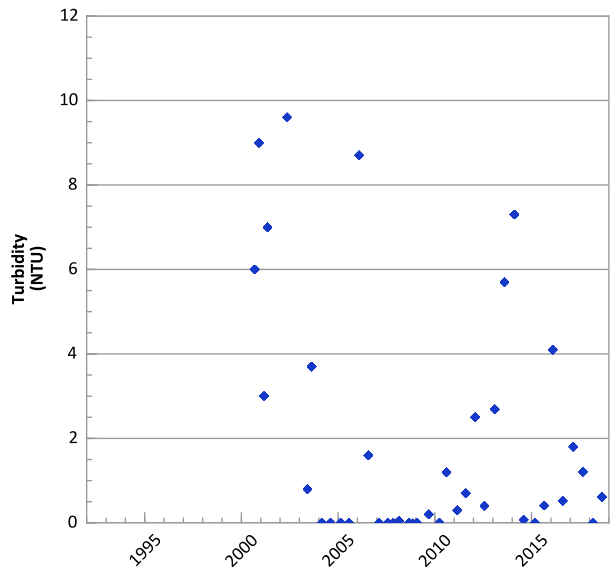
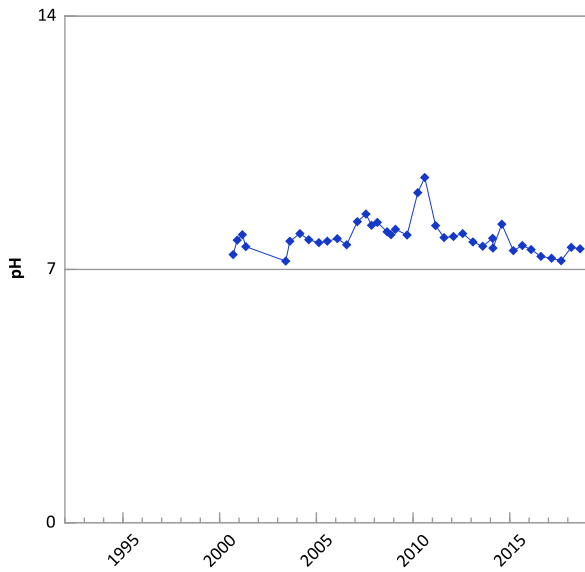
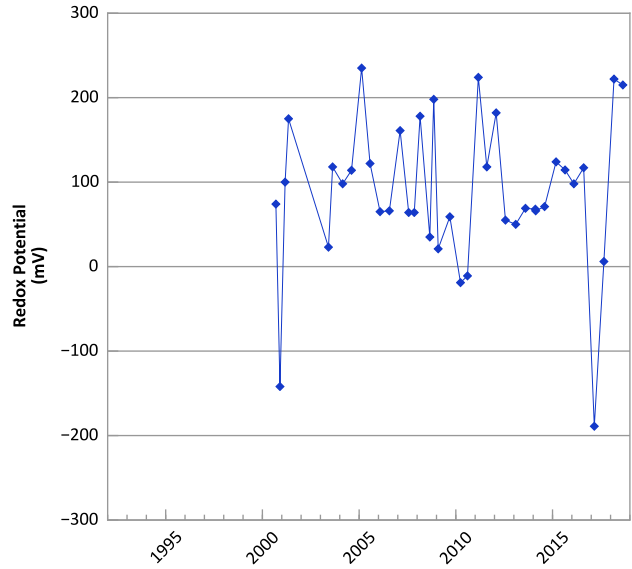
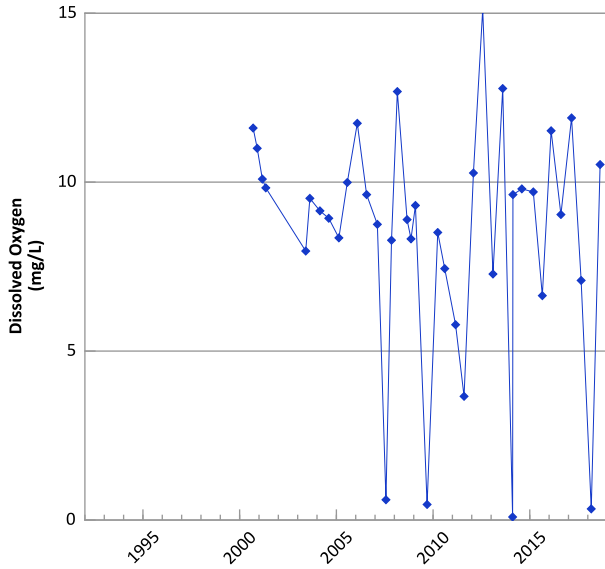
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/05/2000 to 10/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

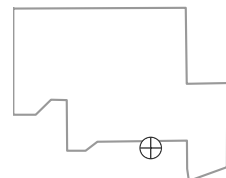


PTX06-1052 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



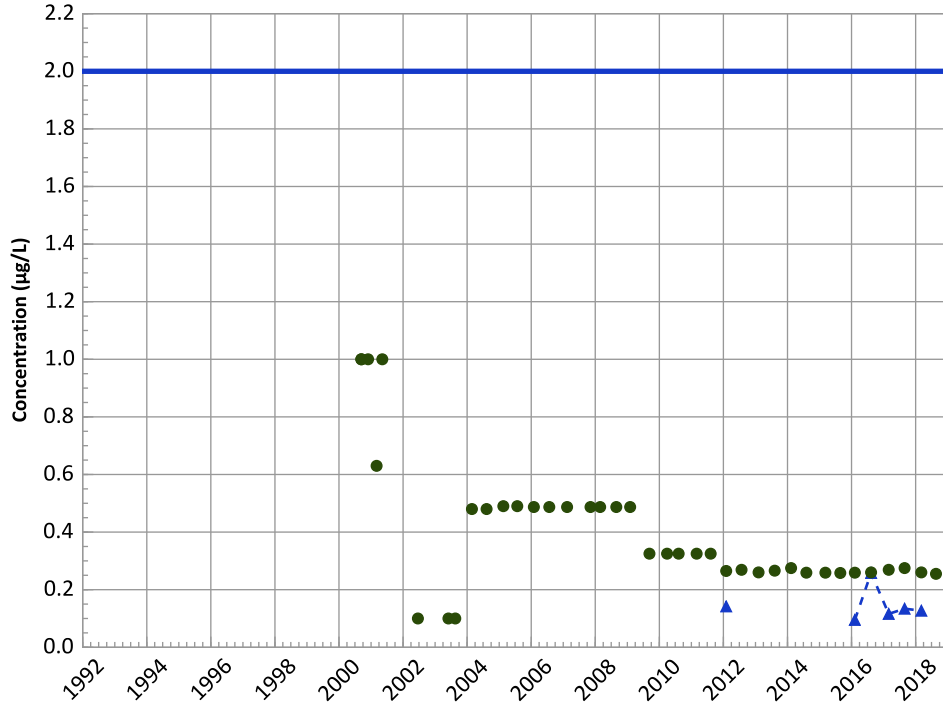
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/12/2000 to 08/21/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

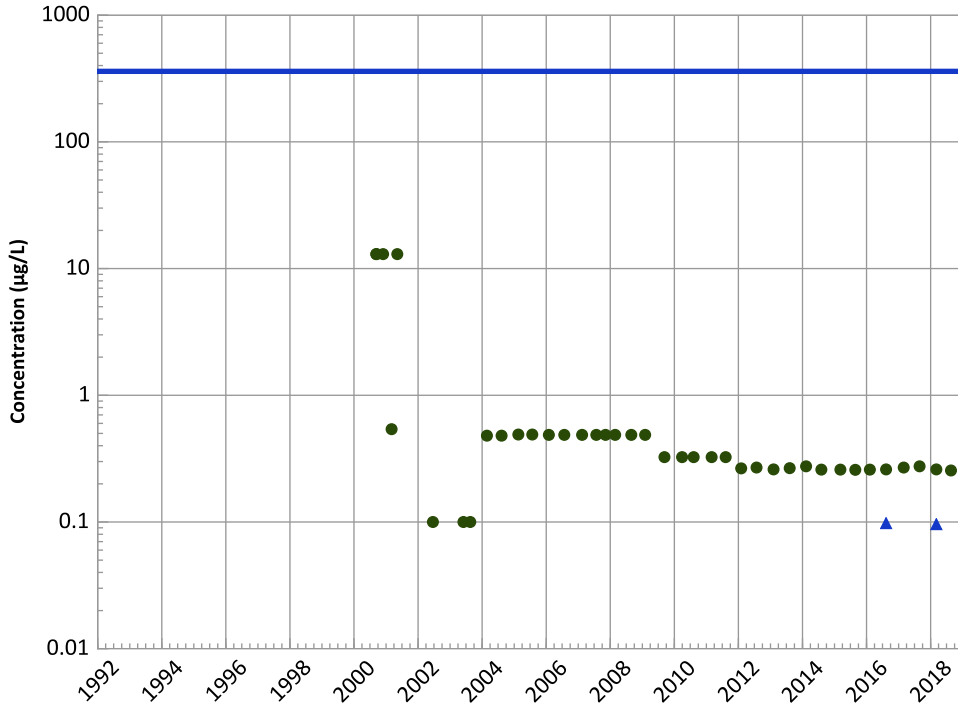


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

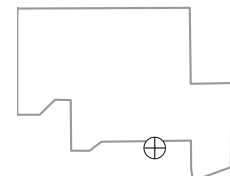


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

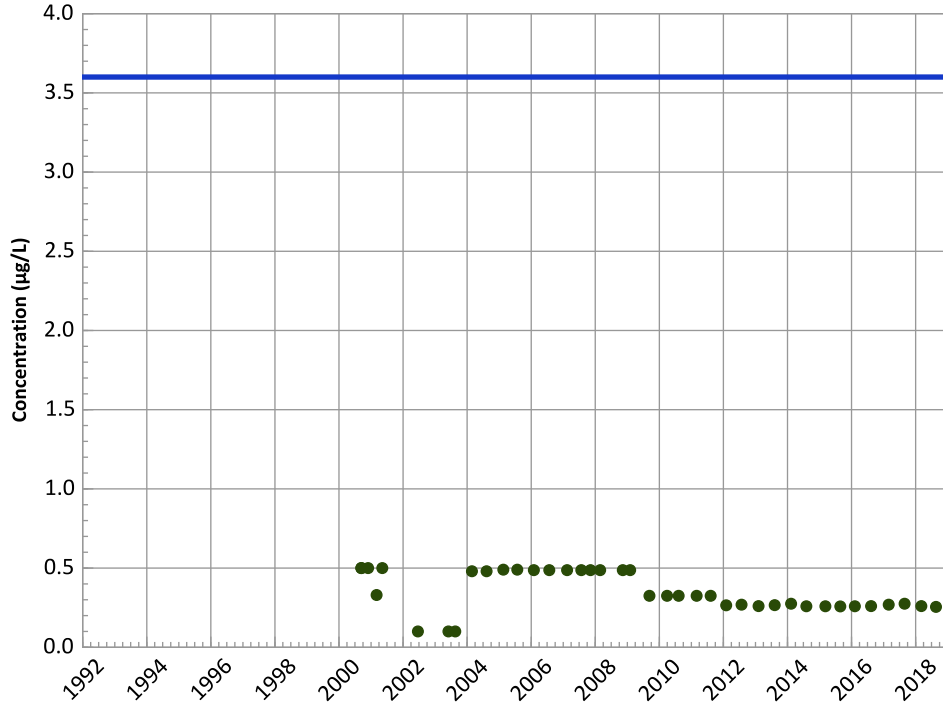


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

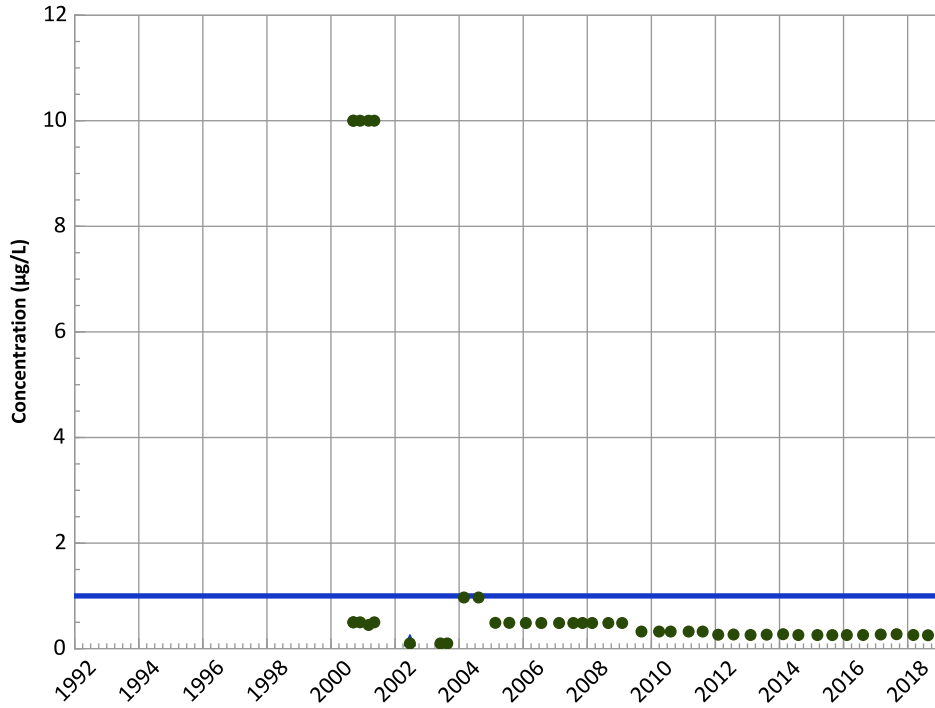
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

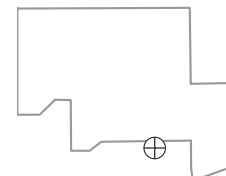
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

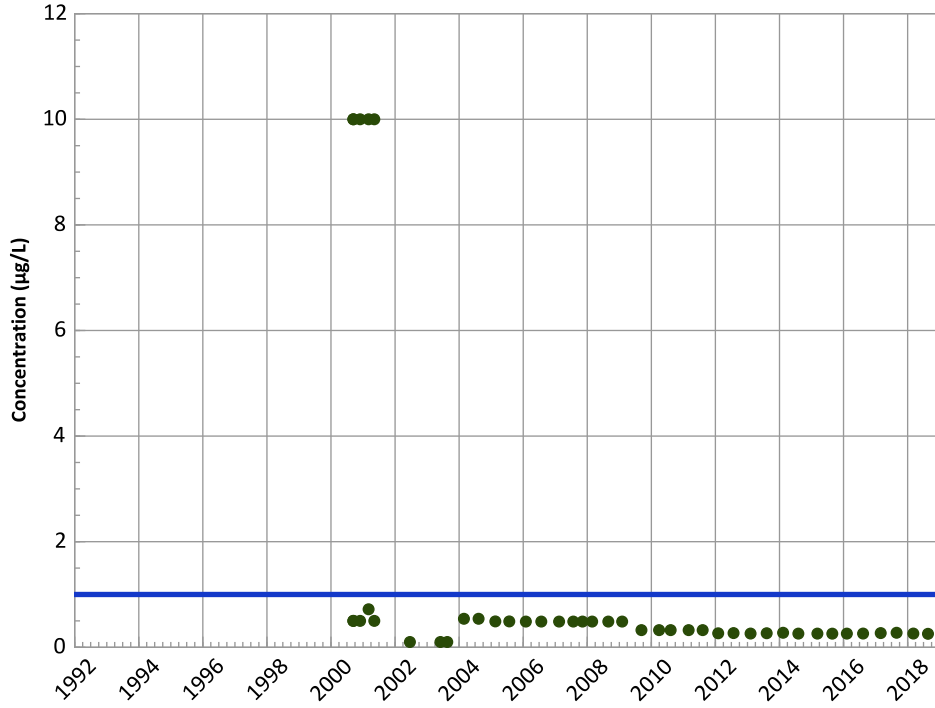
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

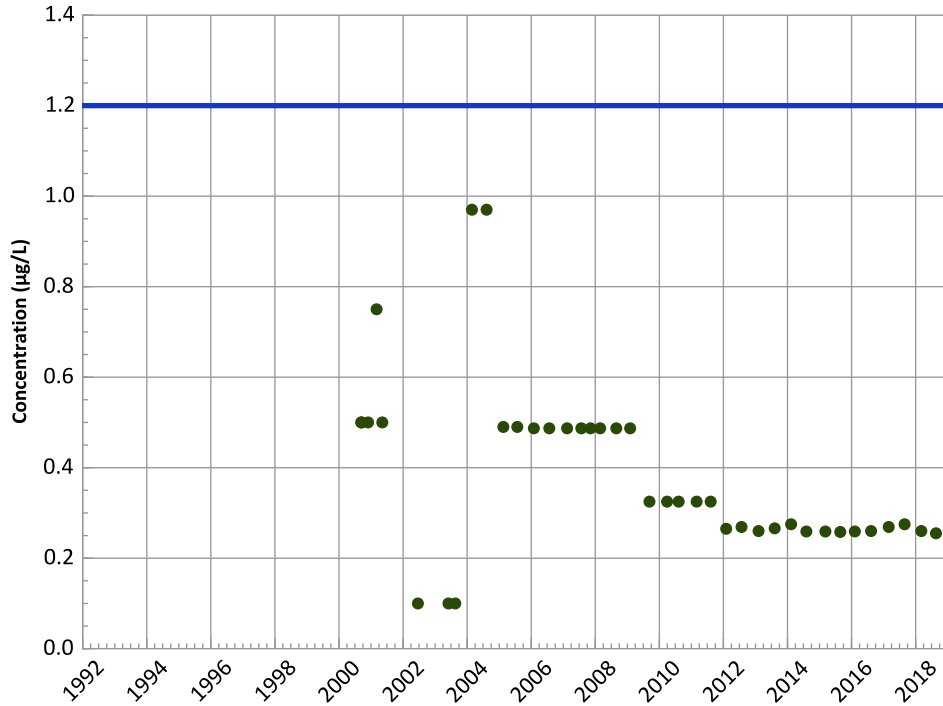
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

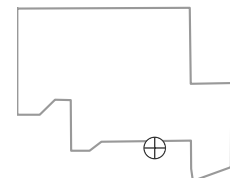
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

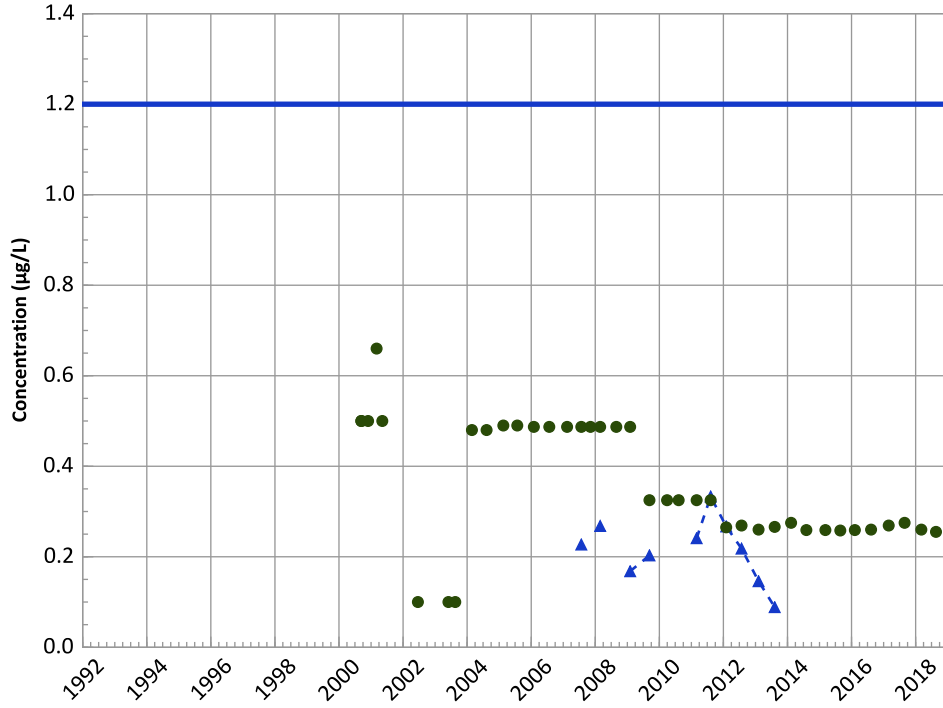


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

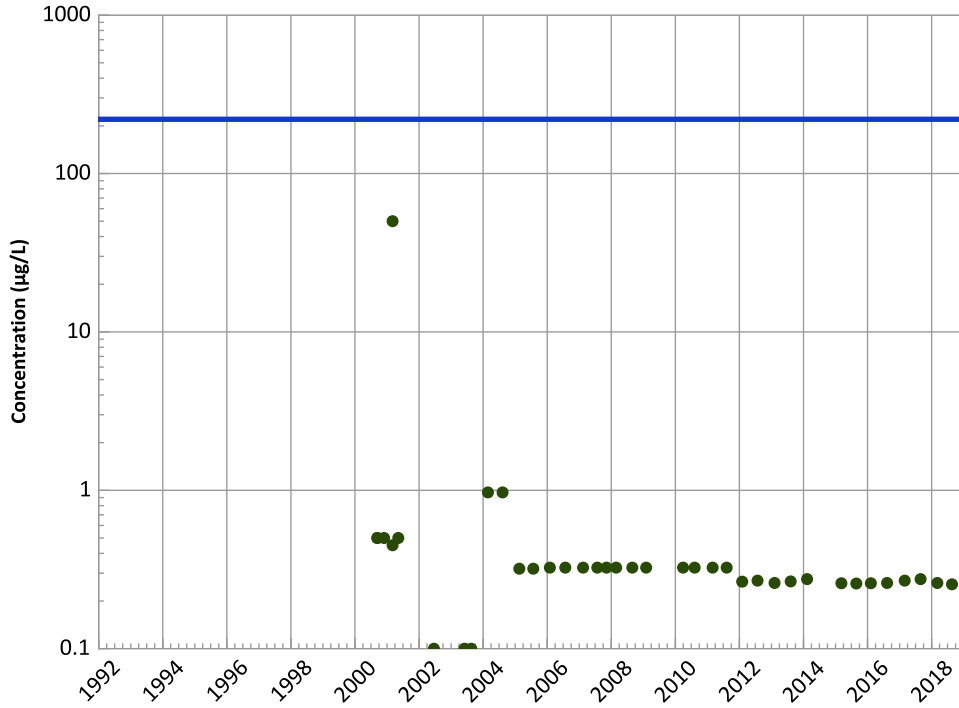
Data (2017 - 2021):

Decreasing

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

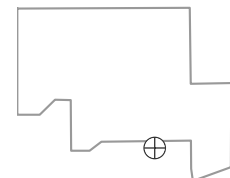
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

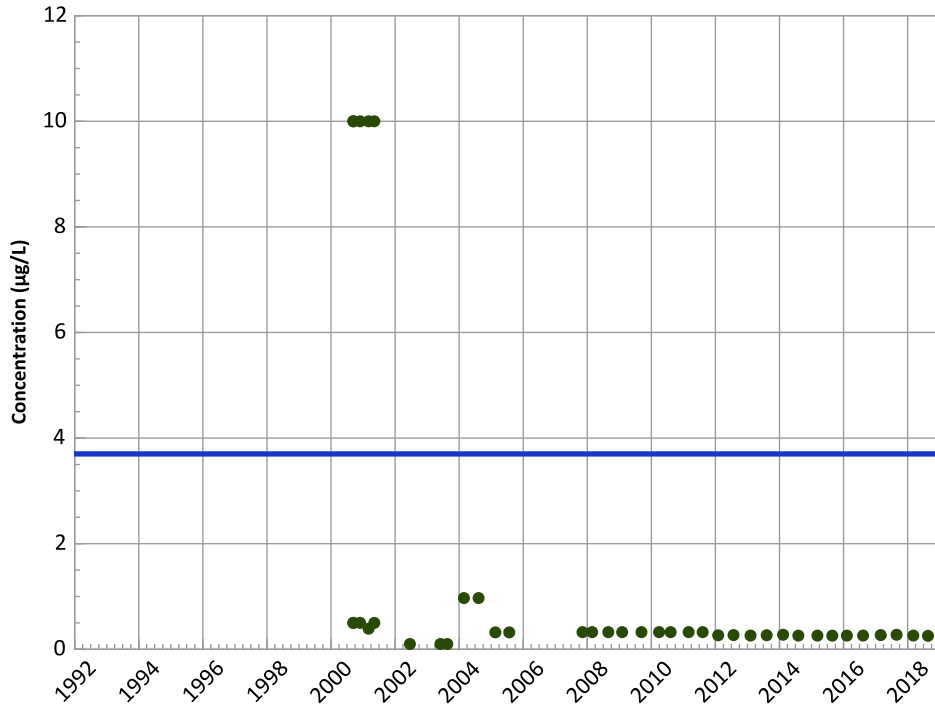
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

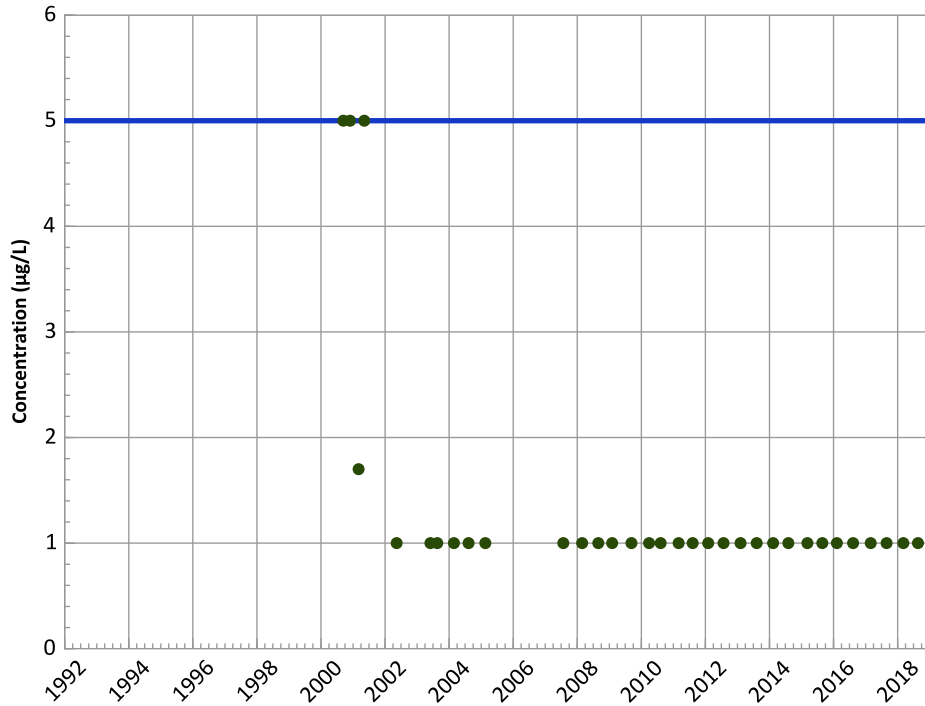
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

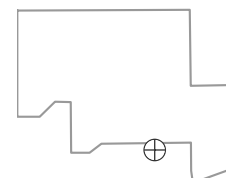
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

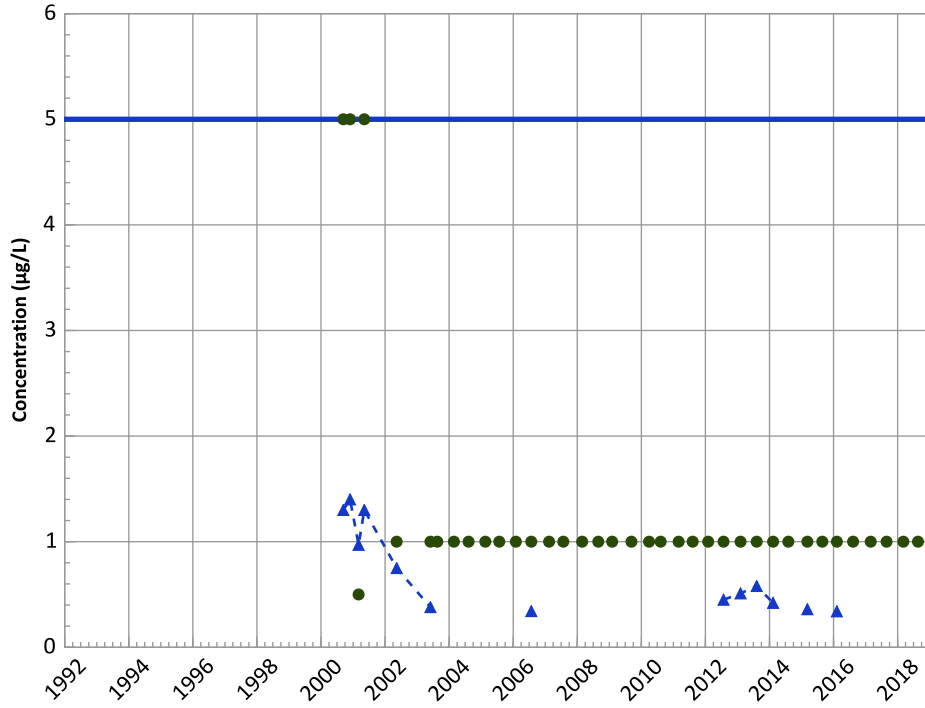
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

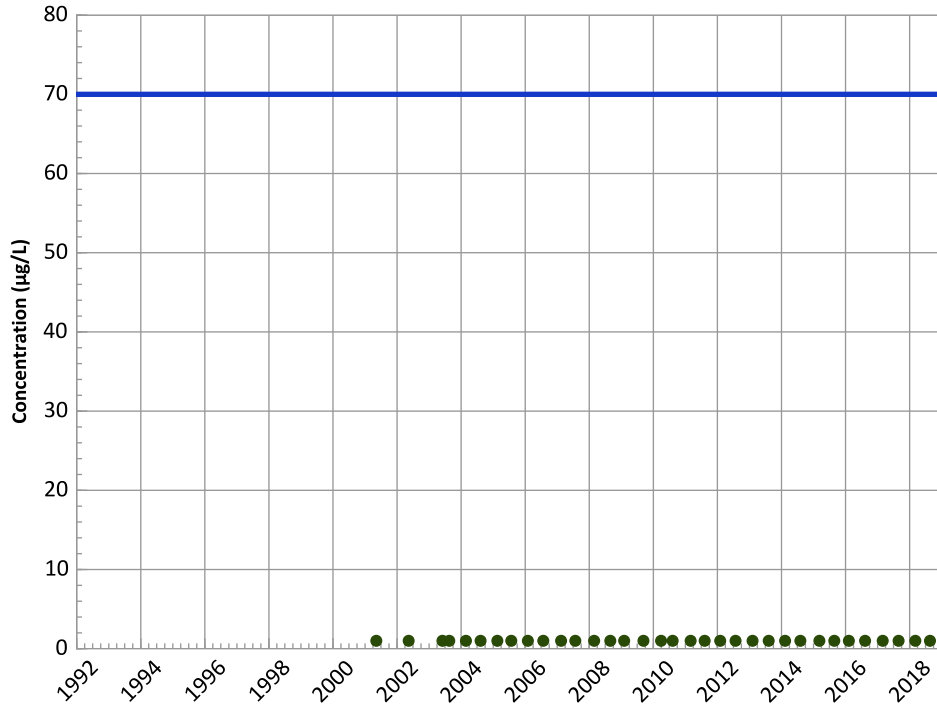


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

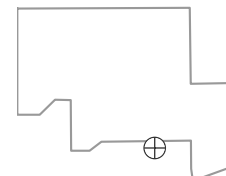
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

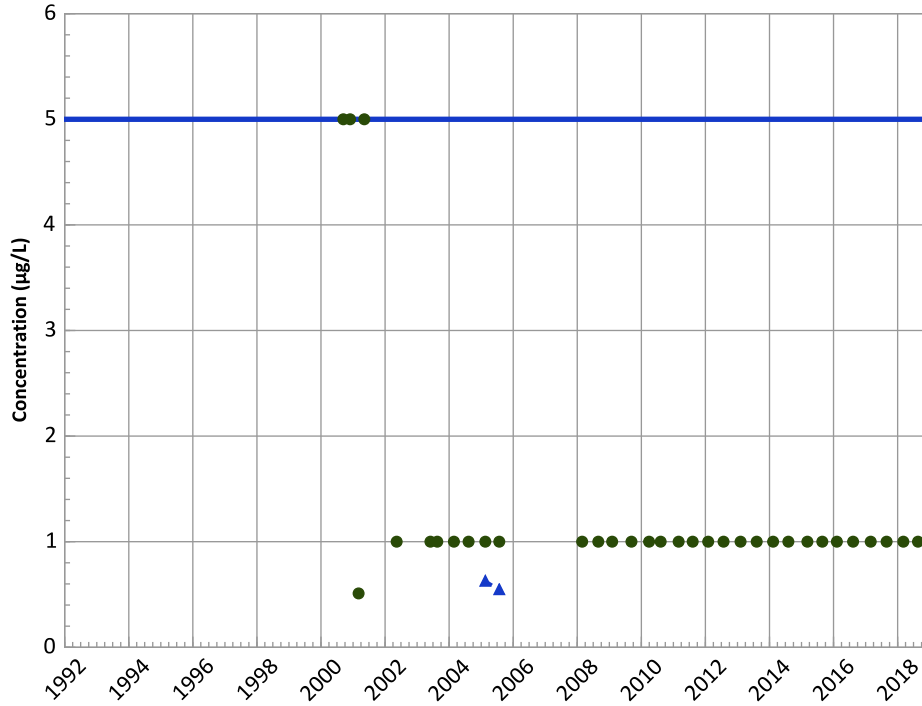
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

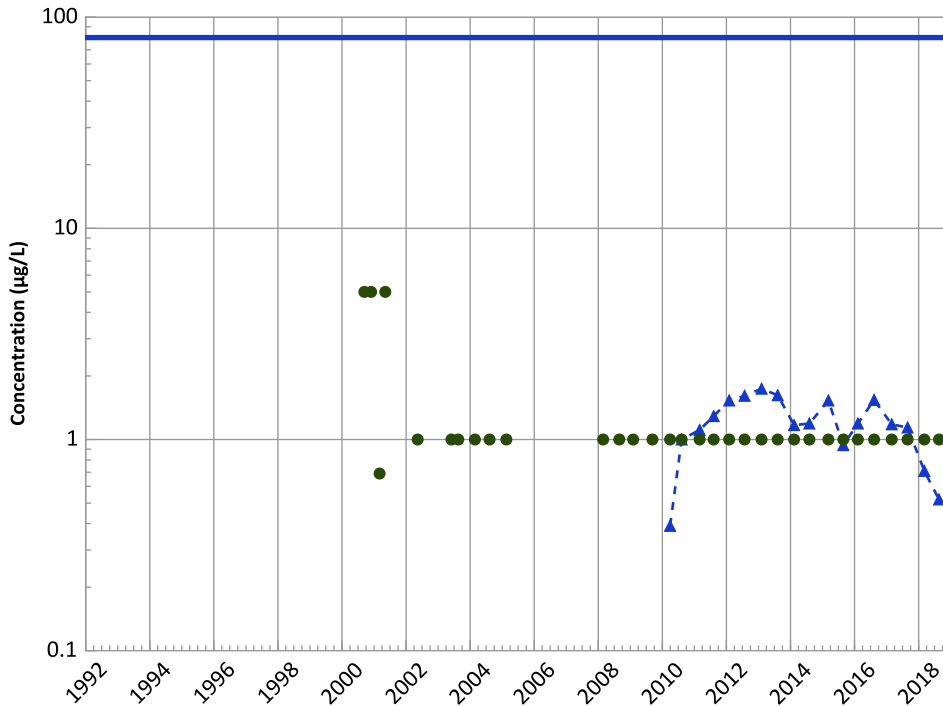
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

MAROS Linear Regression Method

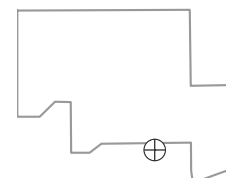
Data (2017 - 2021):

Probably Decreasing

All Data:

Stable

Well Location

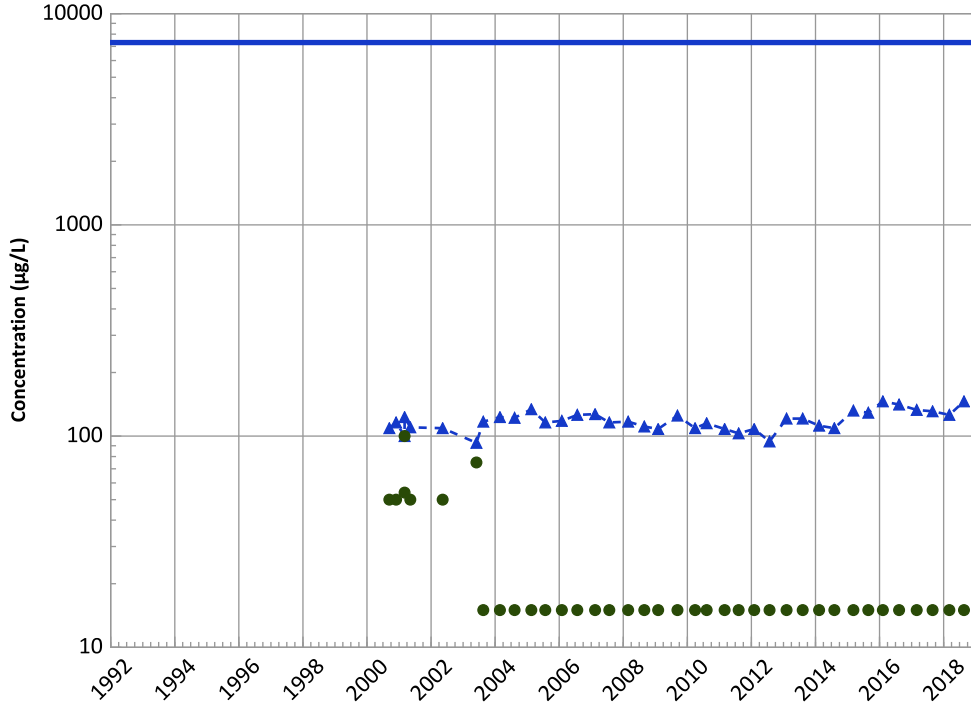


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

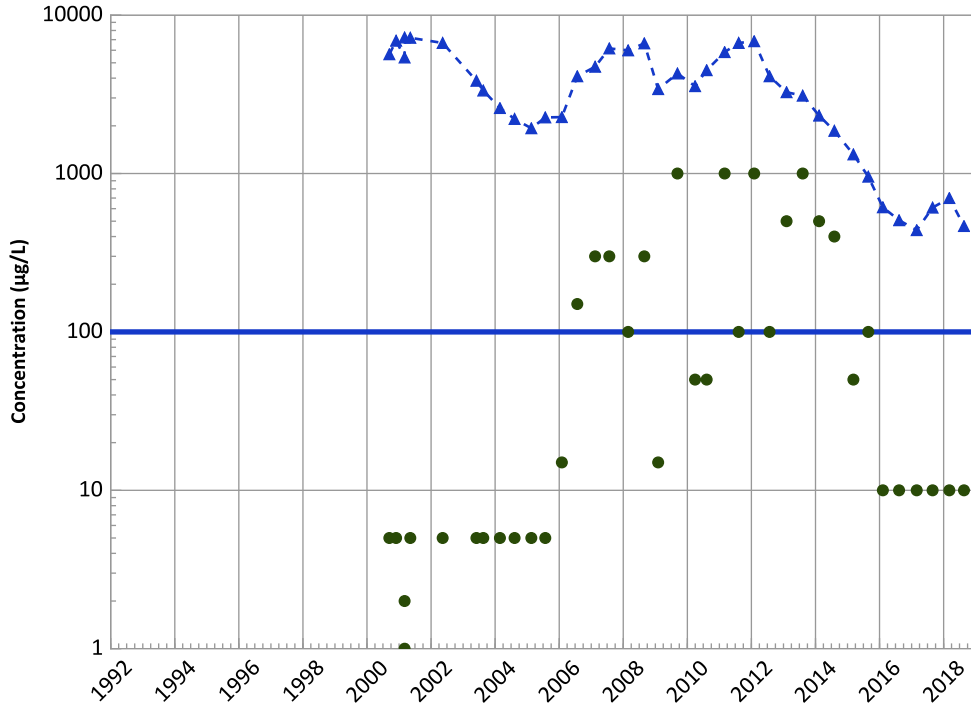
Data (2017 - 2021):

Increasing

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

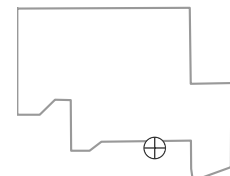
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

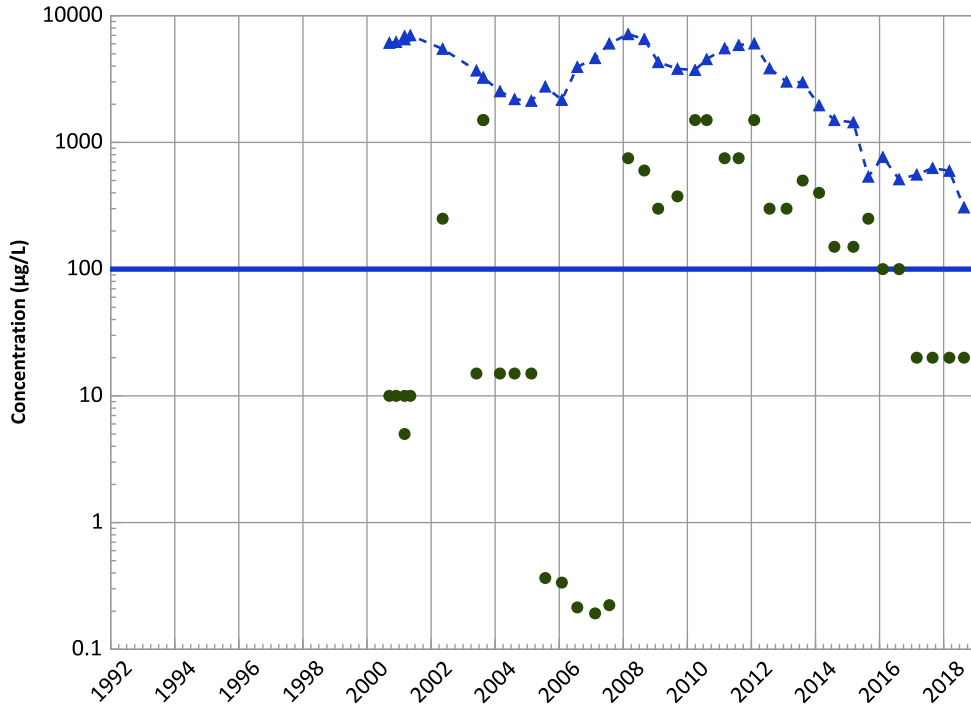


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1052 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

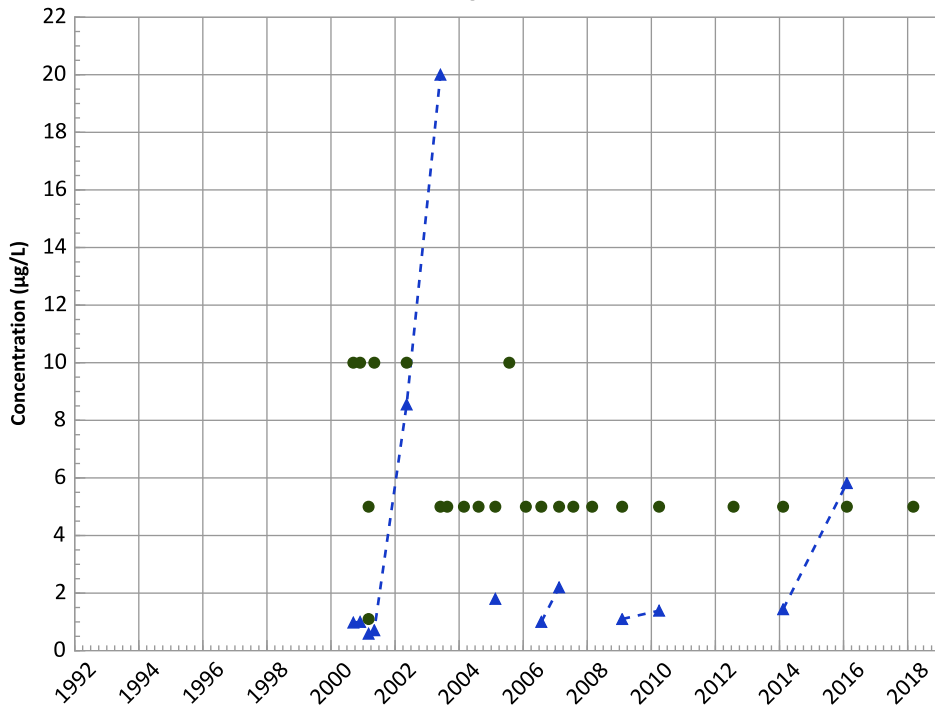
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

No Trend

MAROS Linear Regression Method

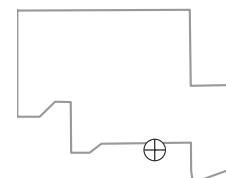
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

No Trend

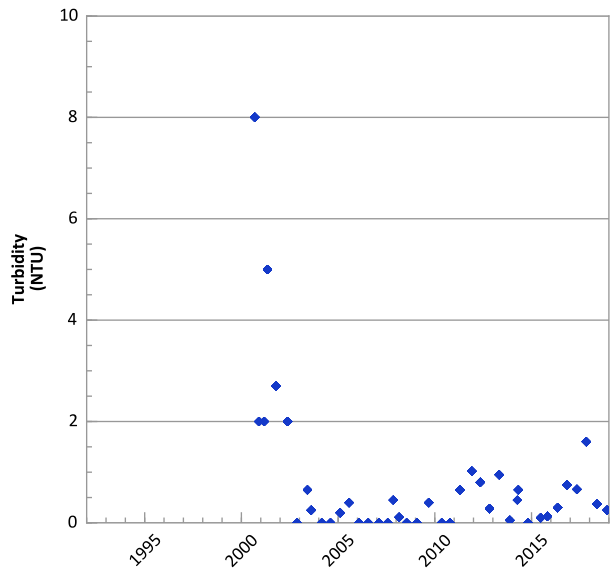
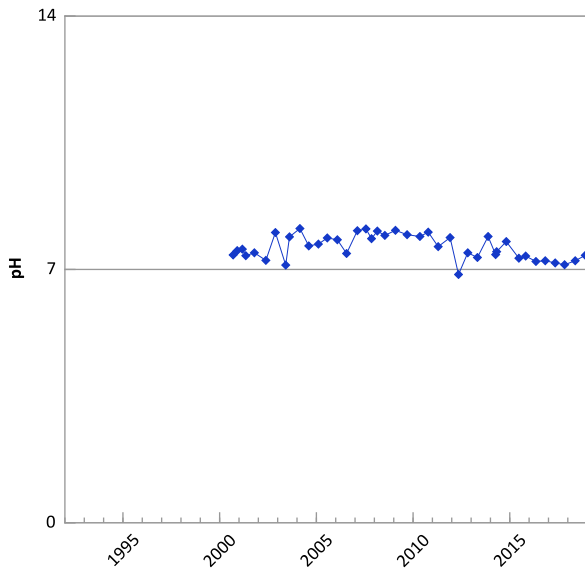
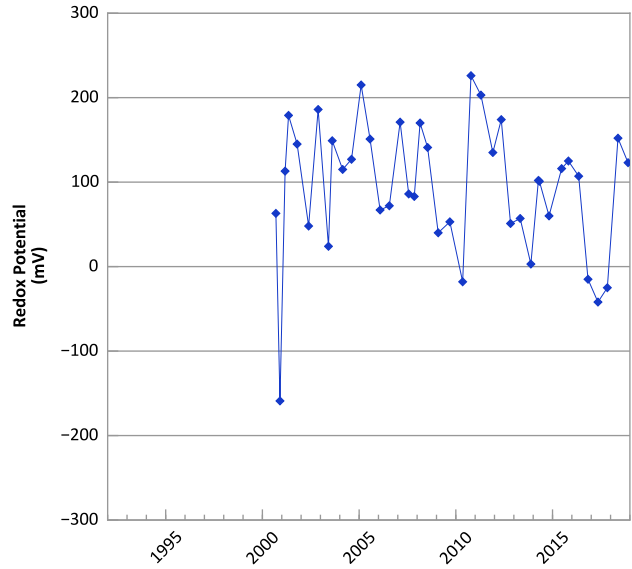
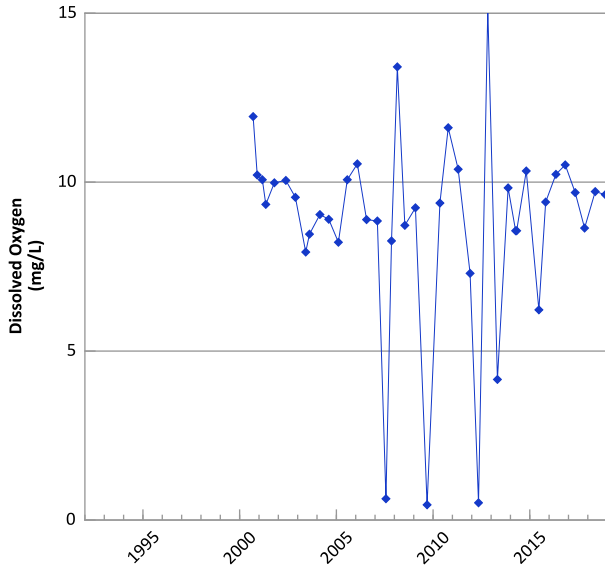
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 08/21/2018
Analysis Date: 02/14/2019

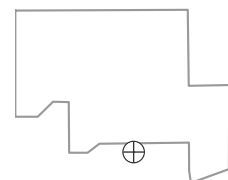
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



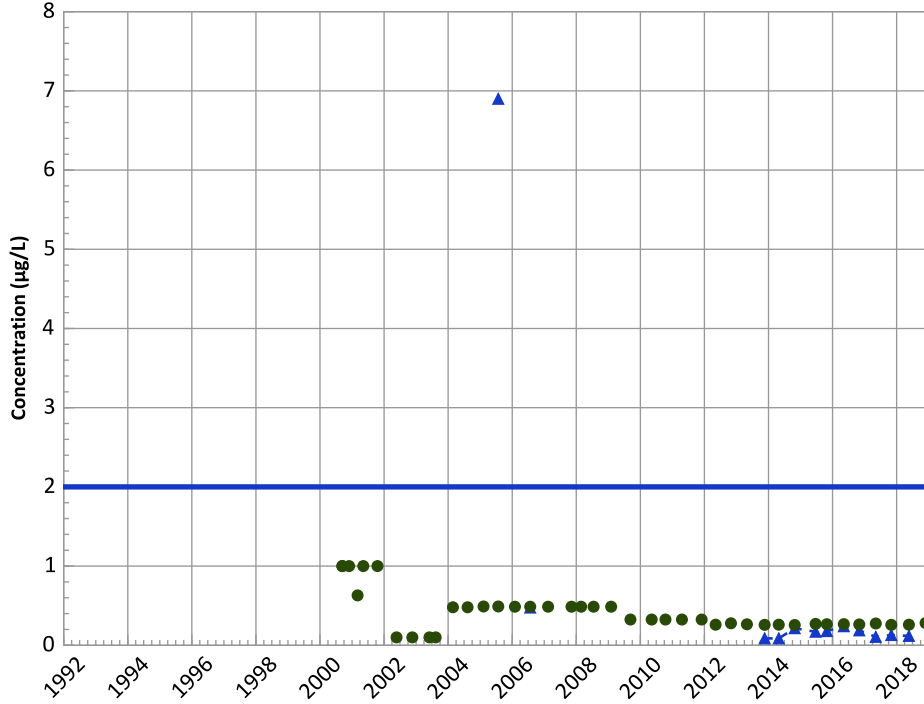
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

Well Location



PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

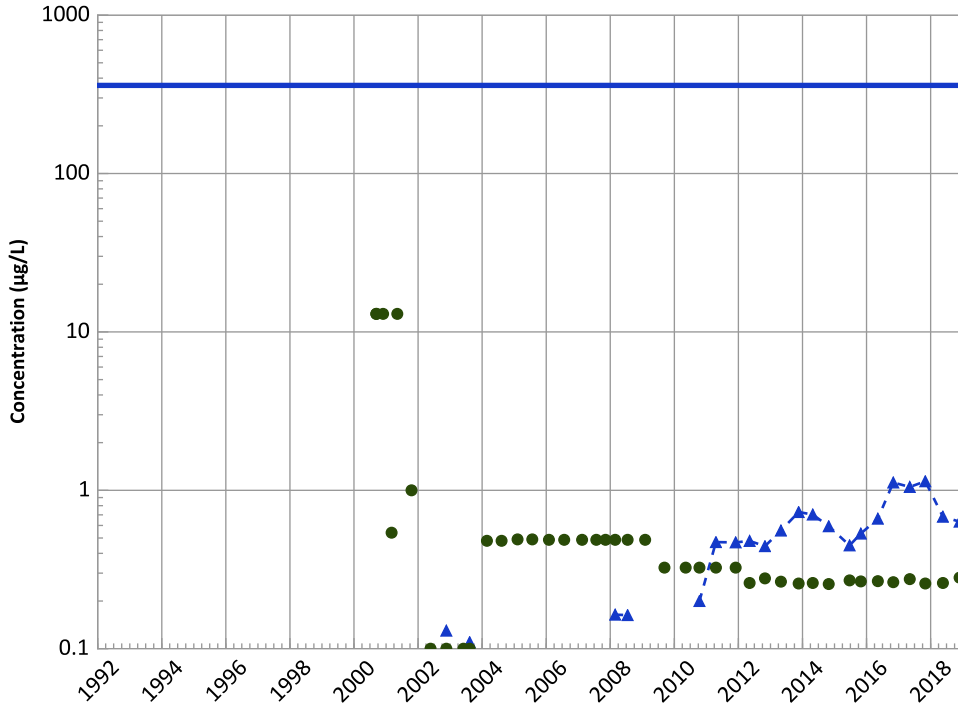


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

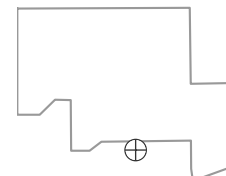
MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

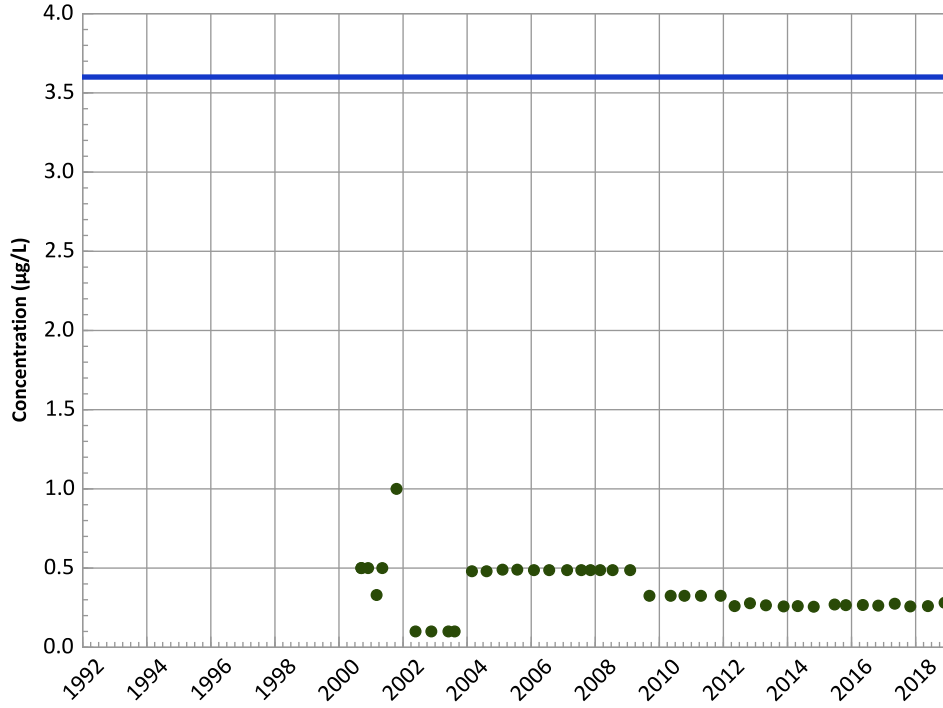
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

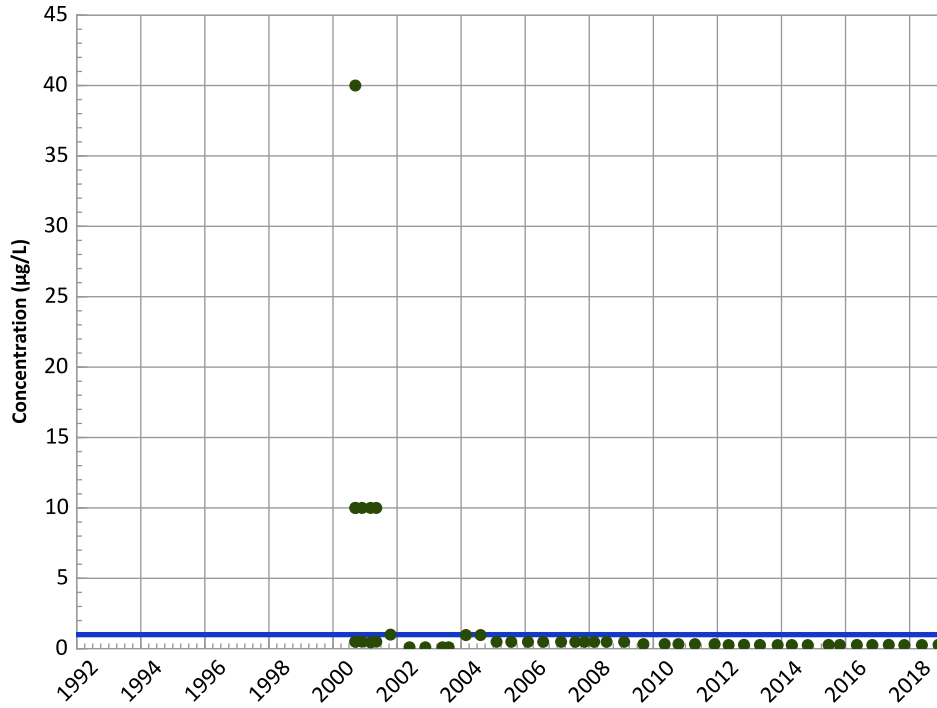
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

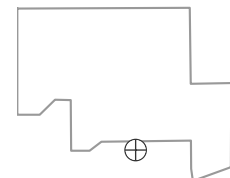
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

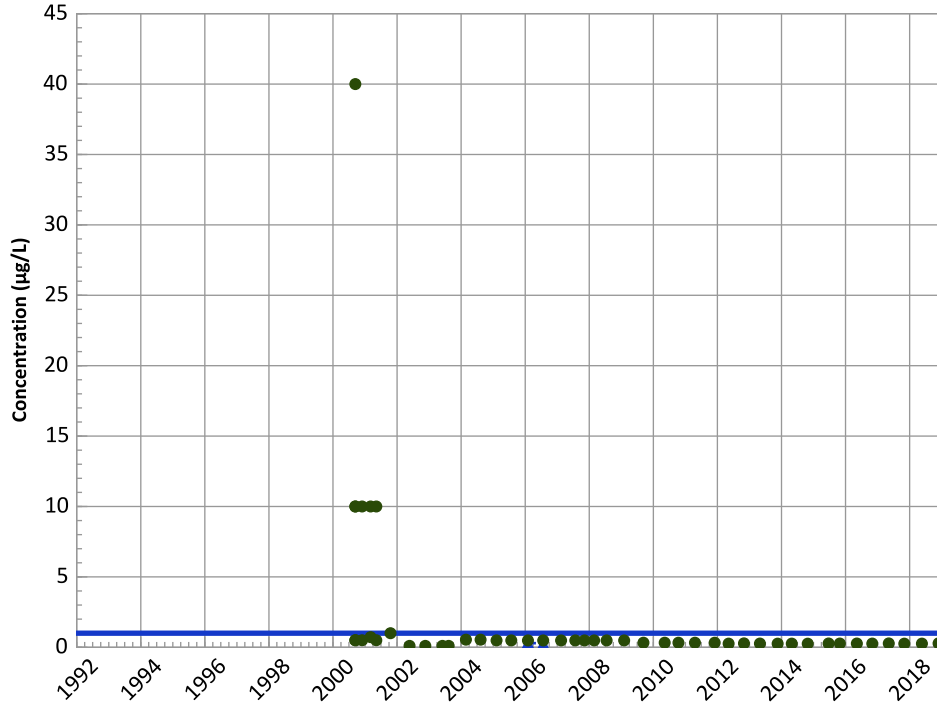
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

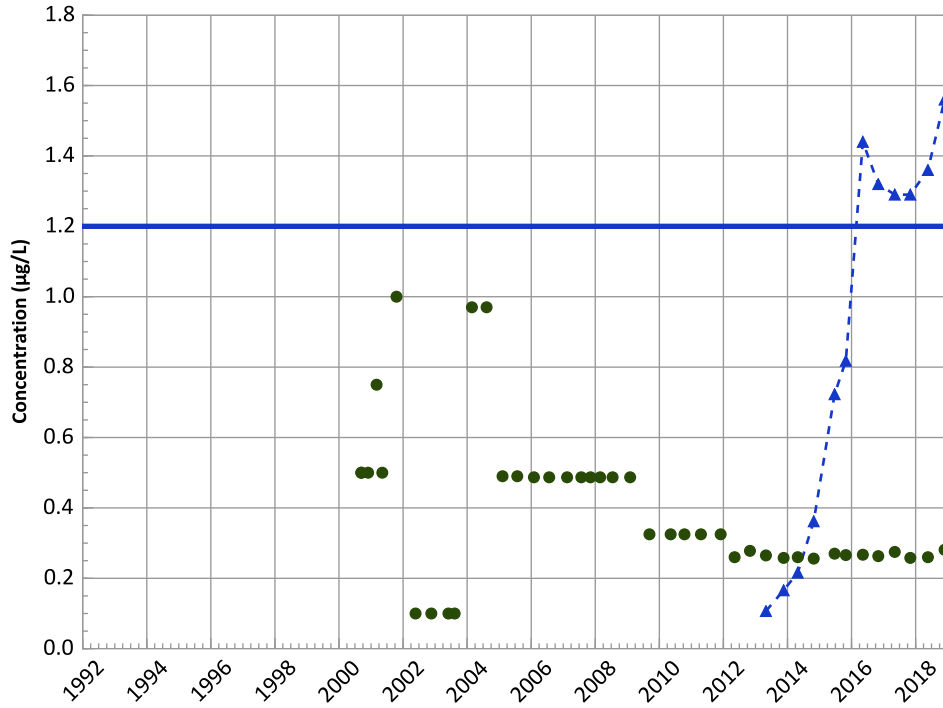
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
Increasing
All Data:
Probably Increasing

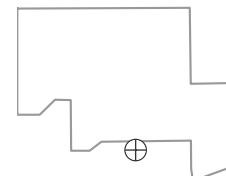
MAROS Linear Regression Method

Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

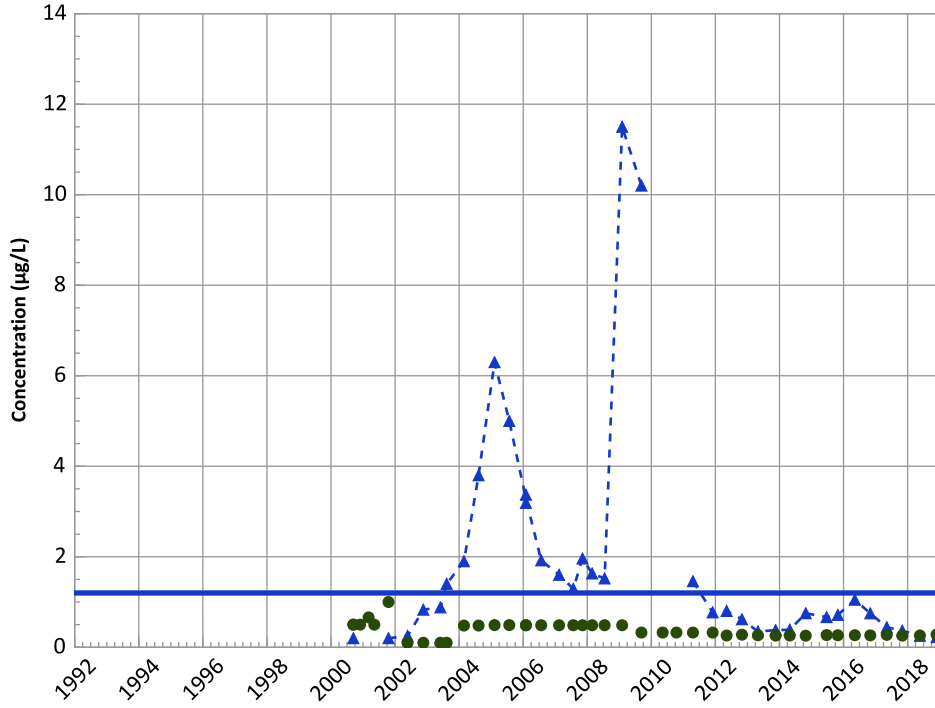
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

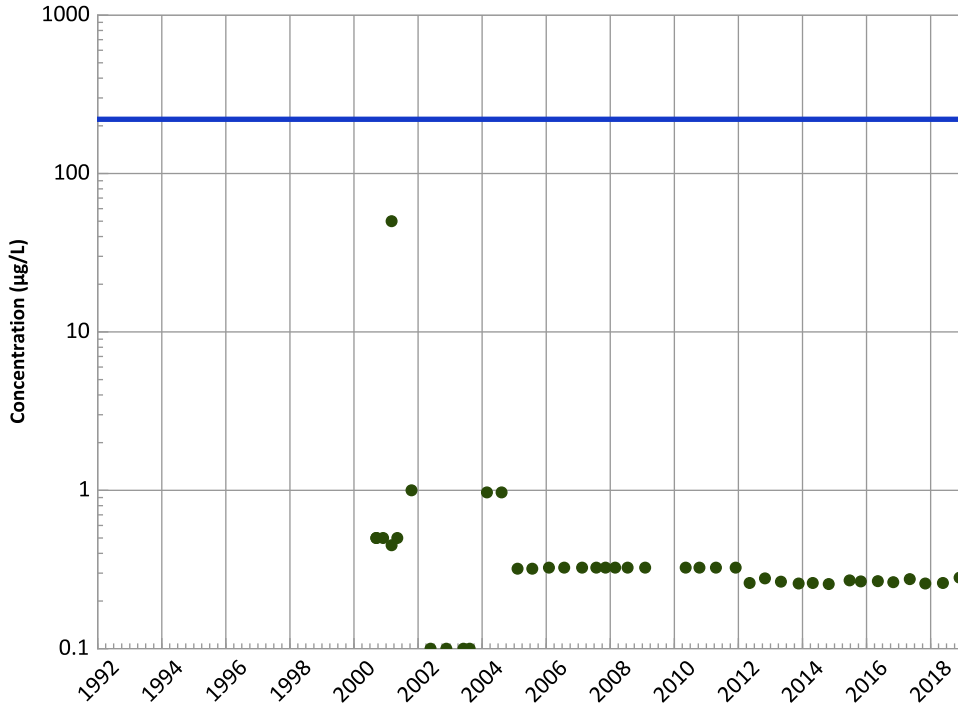
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

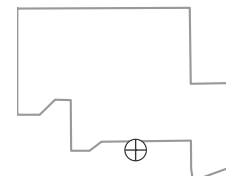
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

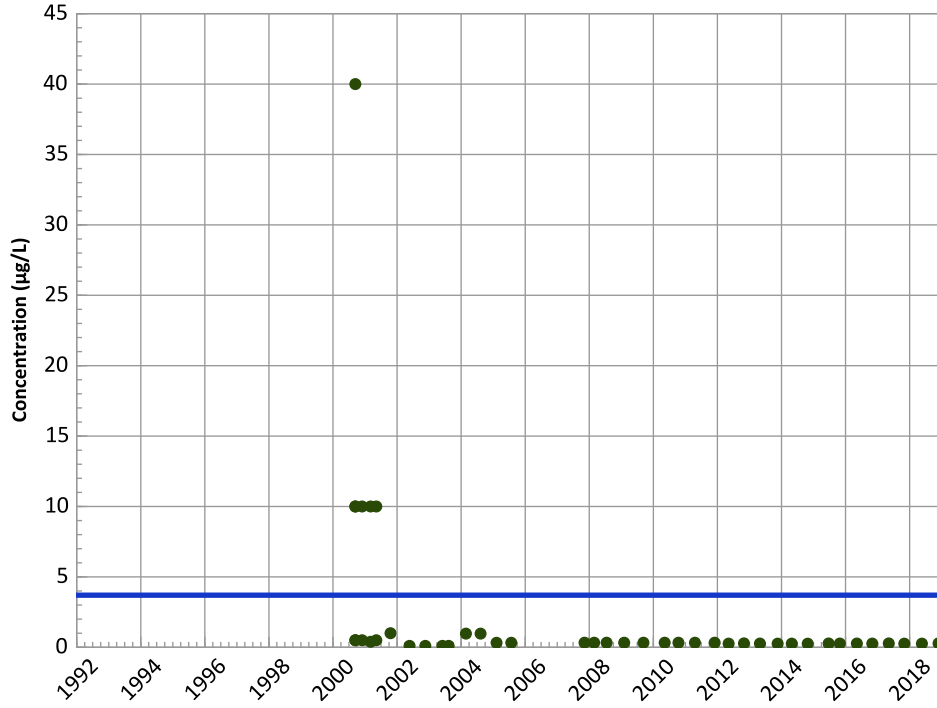
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

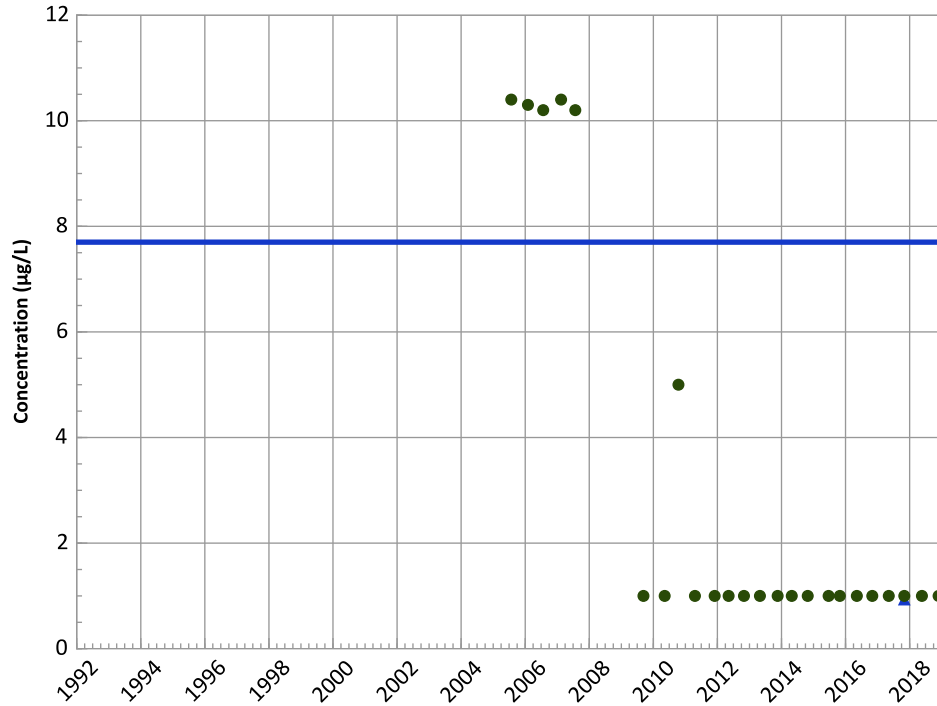
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

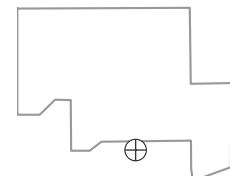
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

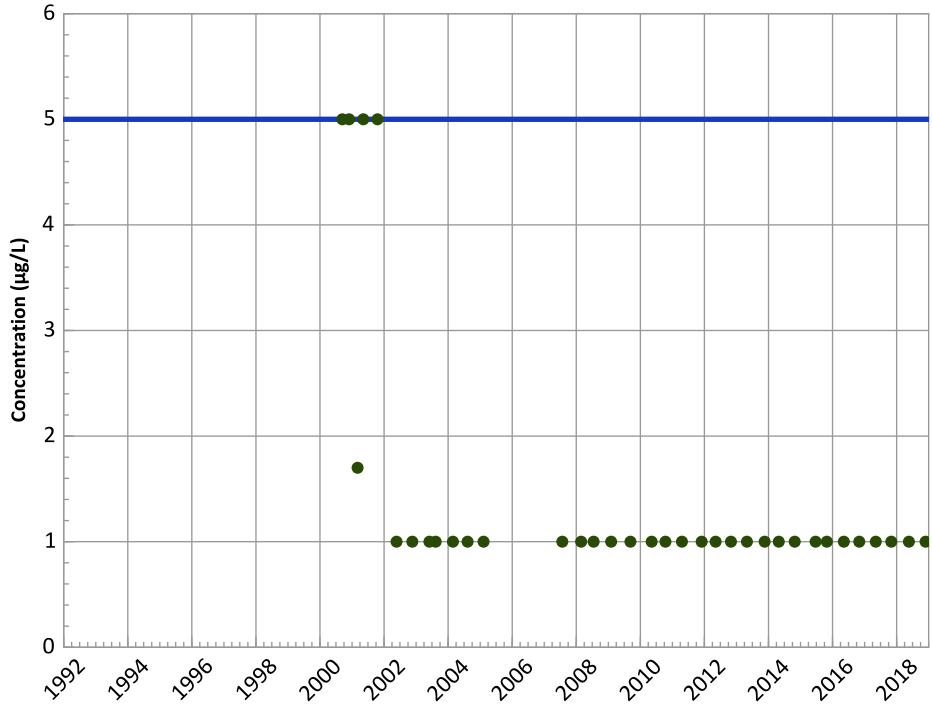
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

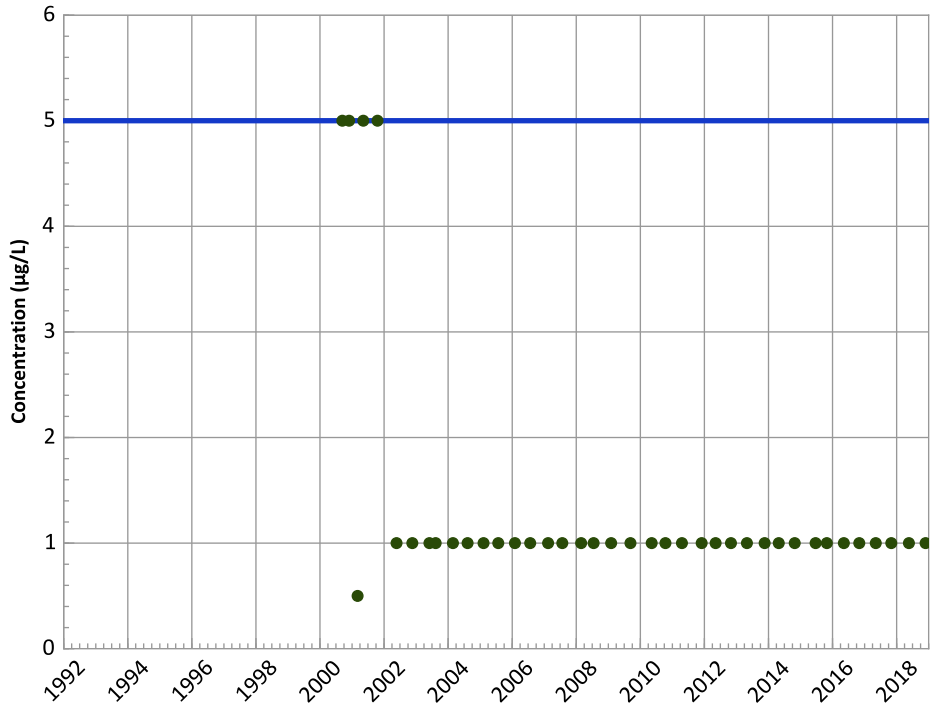


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Trichloroethene Trend

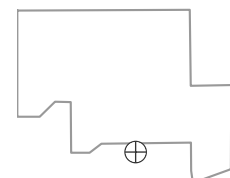


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

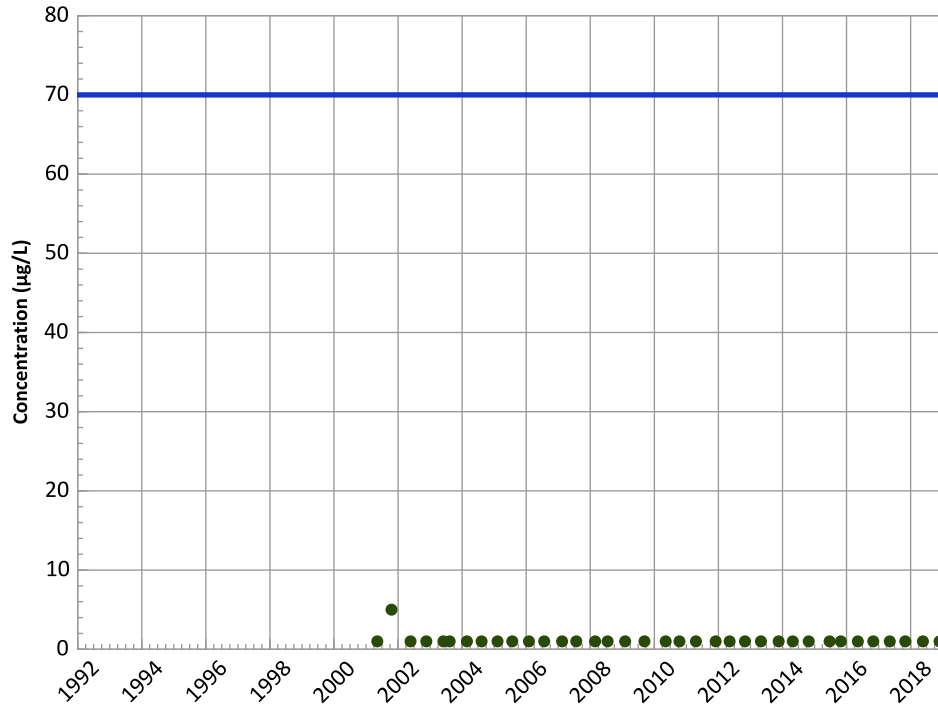
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

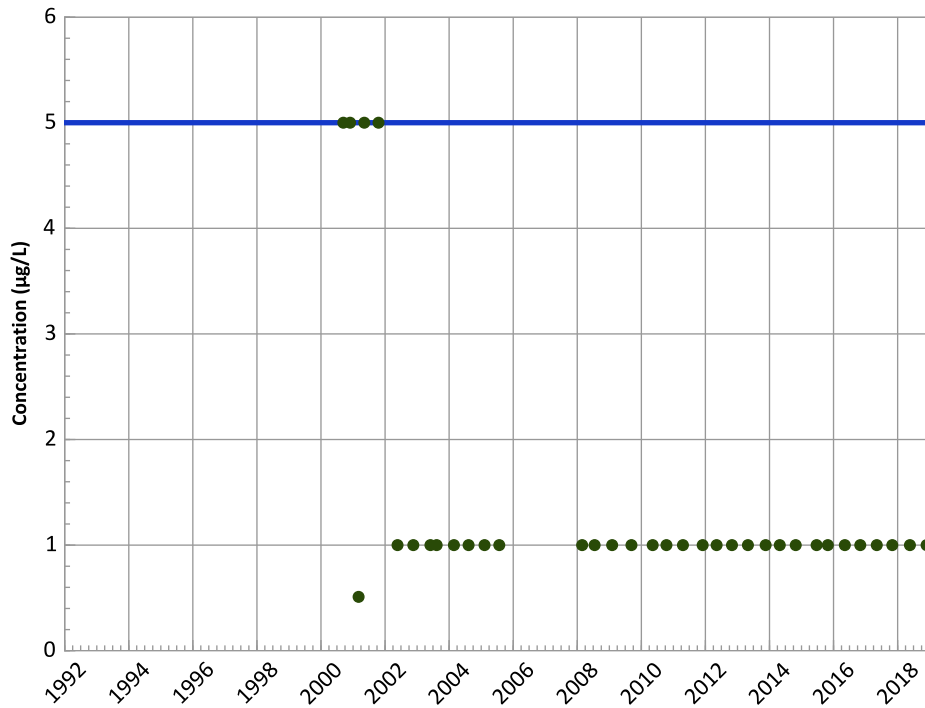


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

1,2-Dichloroethane Trend

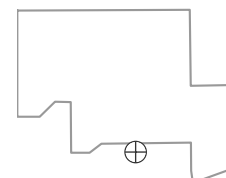


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

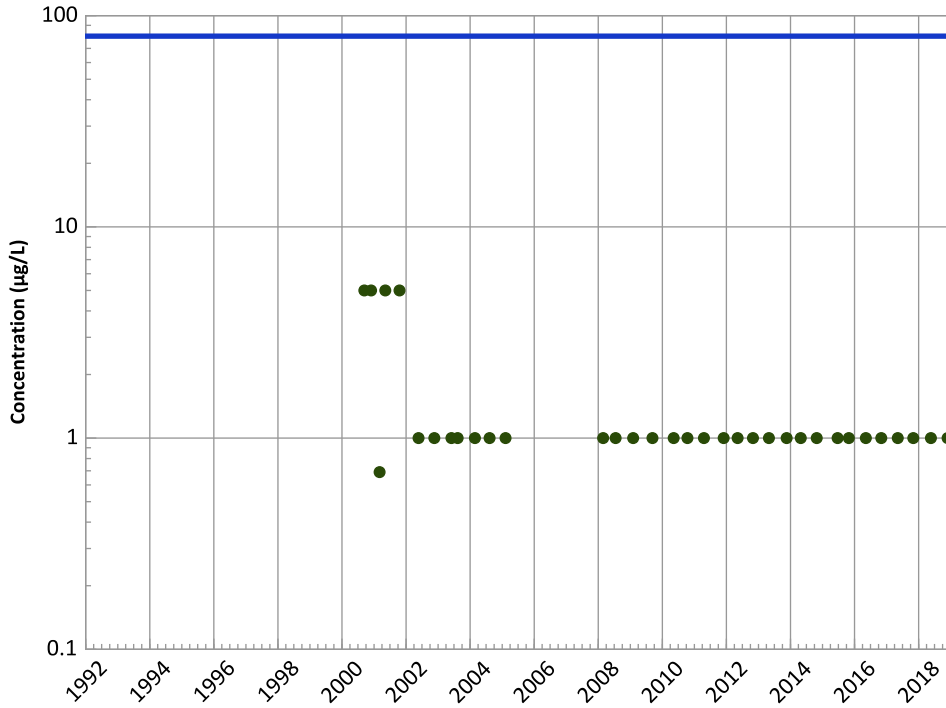
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1053 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

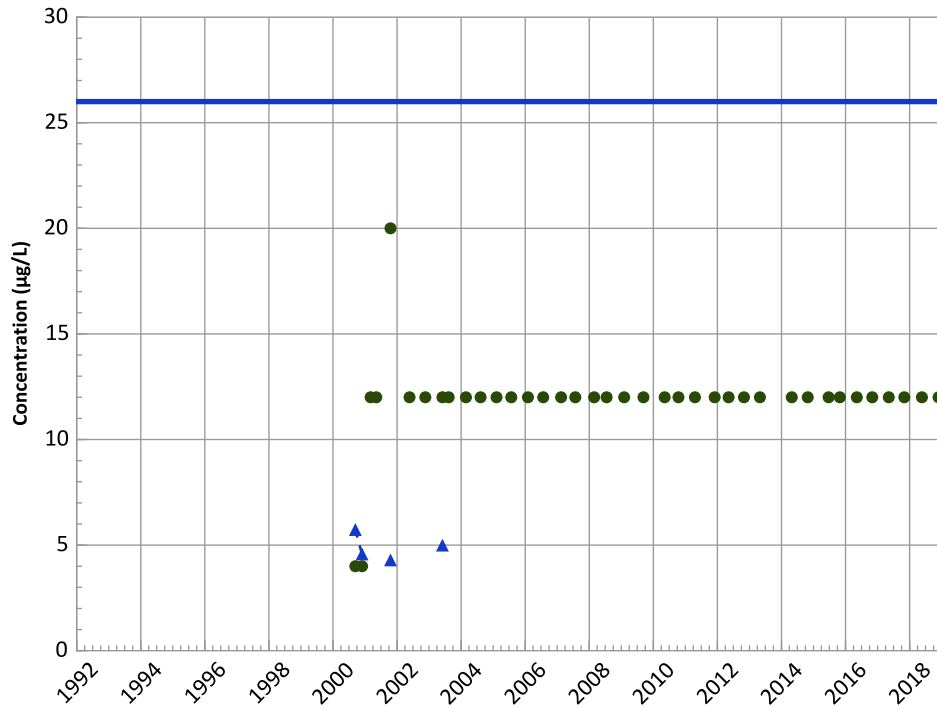
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Probably Increasing

MAROS Linear Regression Method

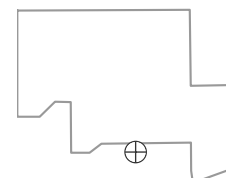
Data (2017 - 2021):

All Non-Detect

All Data:

Stable

Well Location

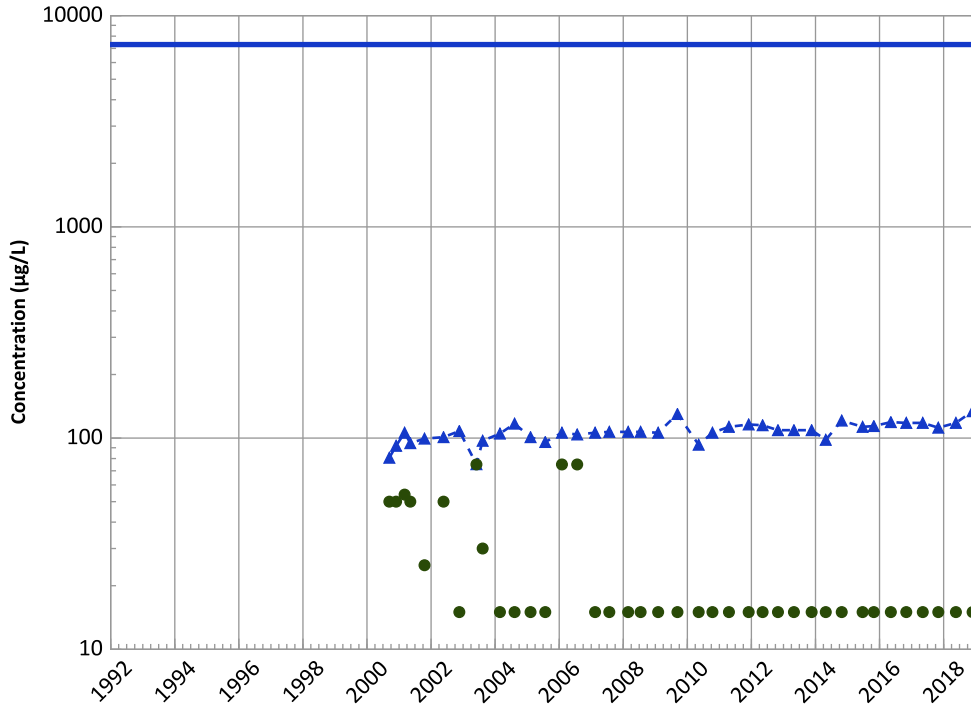


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/12/2000 to 11/27/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

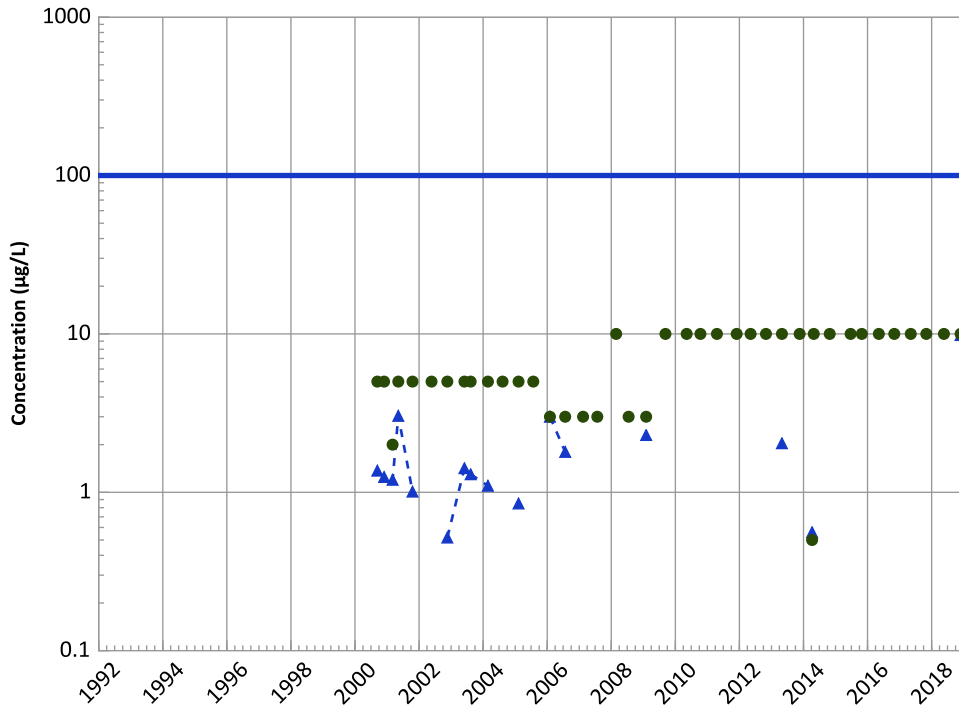
Data (2017 - 2021):

No Trend

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

MAROS Linear Regression Method

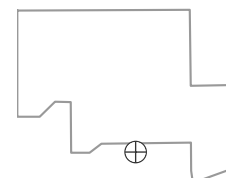
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

Well Location

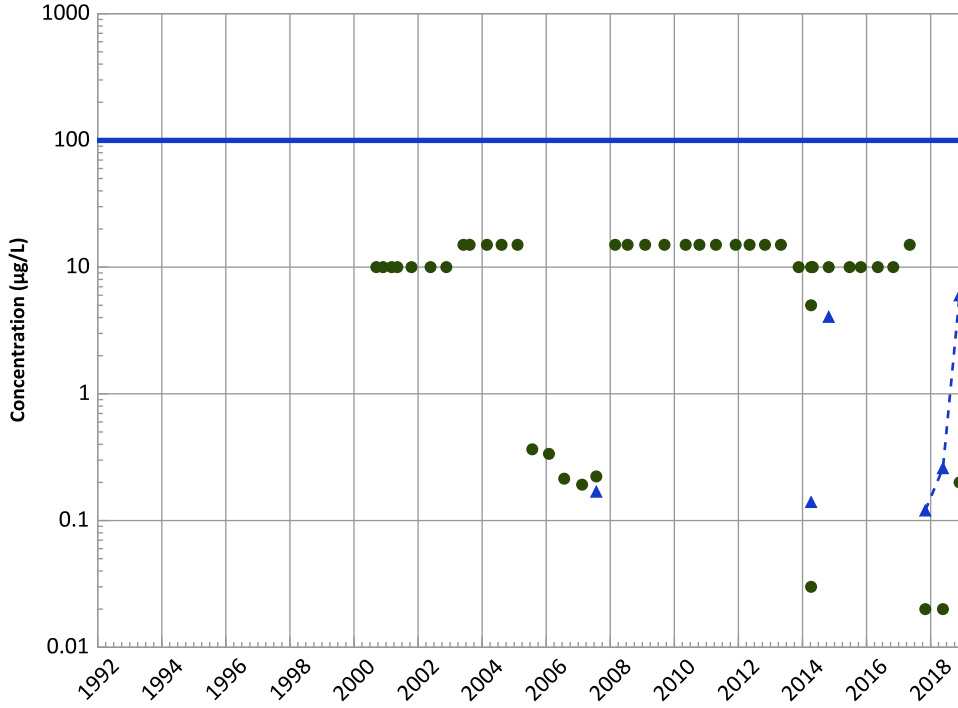


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1053 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

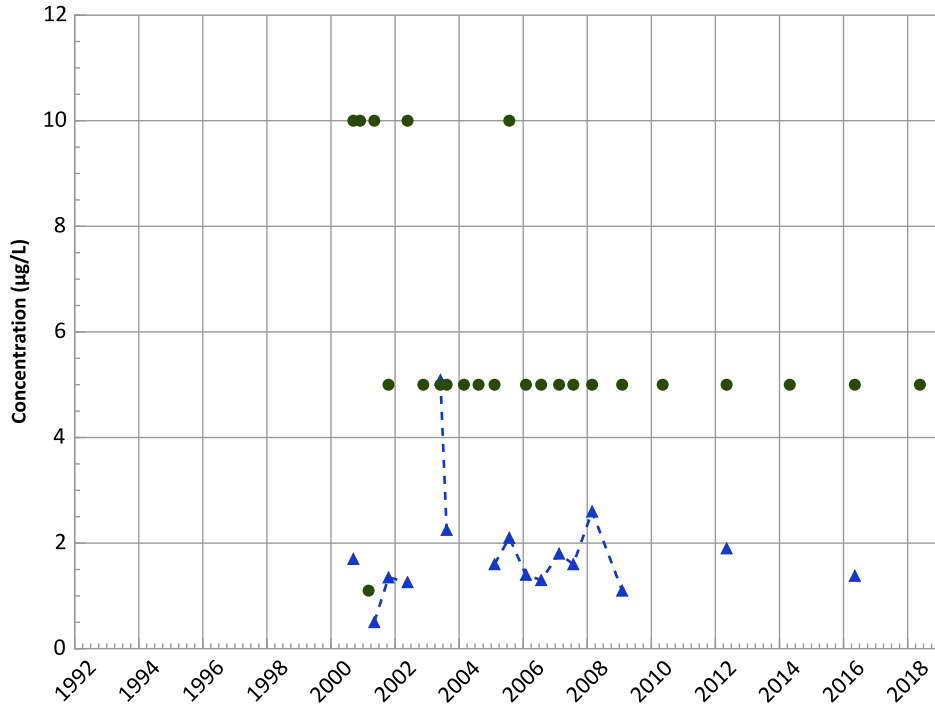


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Manganese Trend

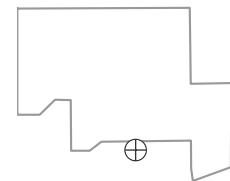


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

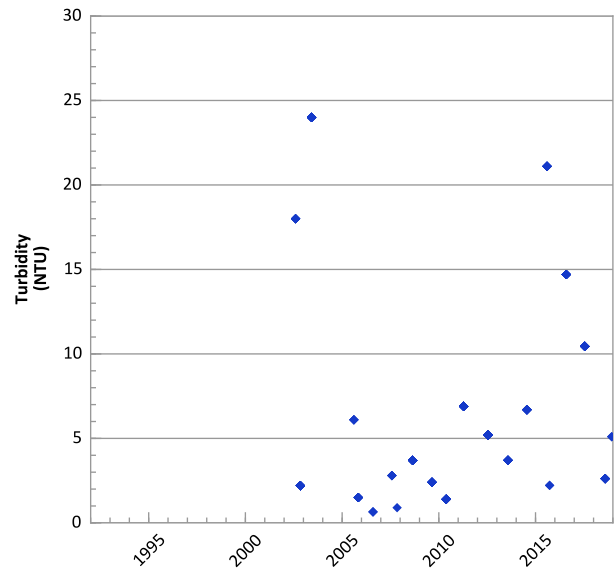
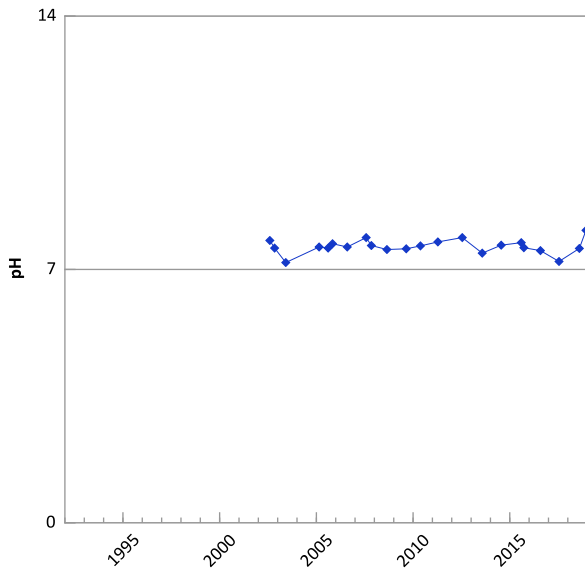
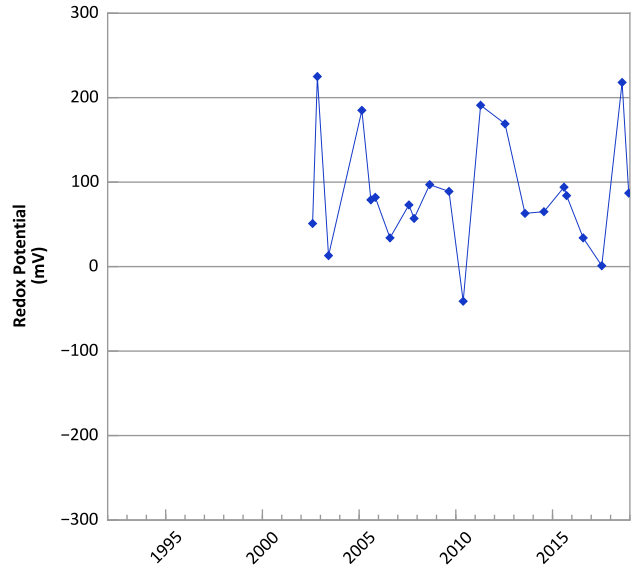
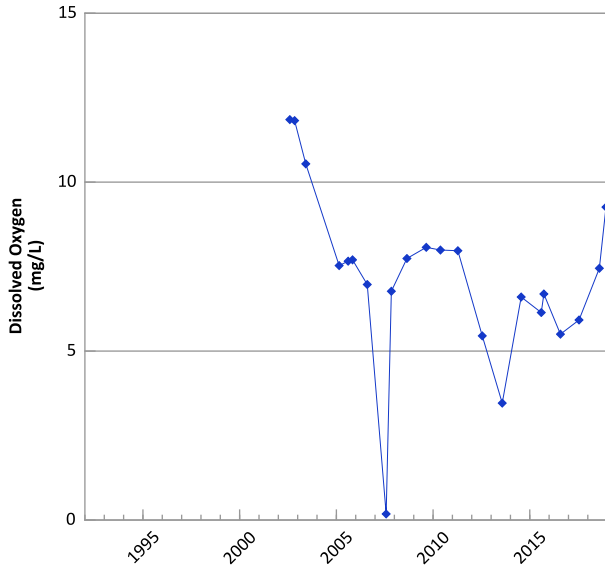
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/12/2000 to 11/27/2018
Analysis Date: 02/14/2019

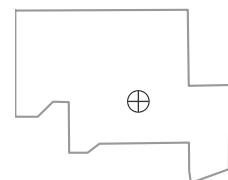
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



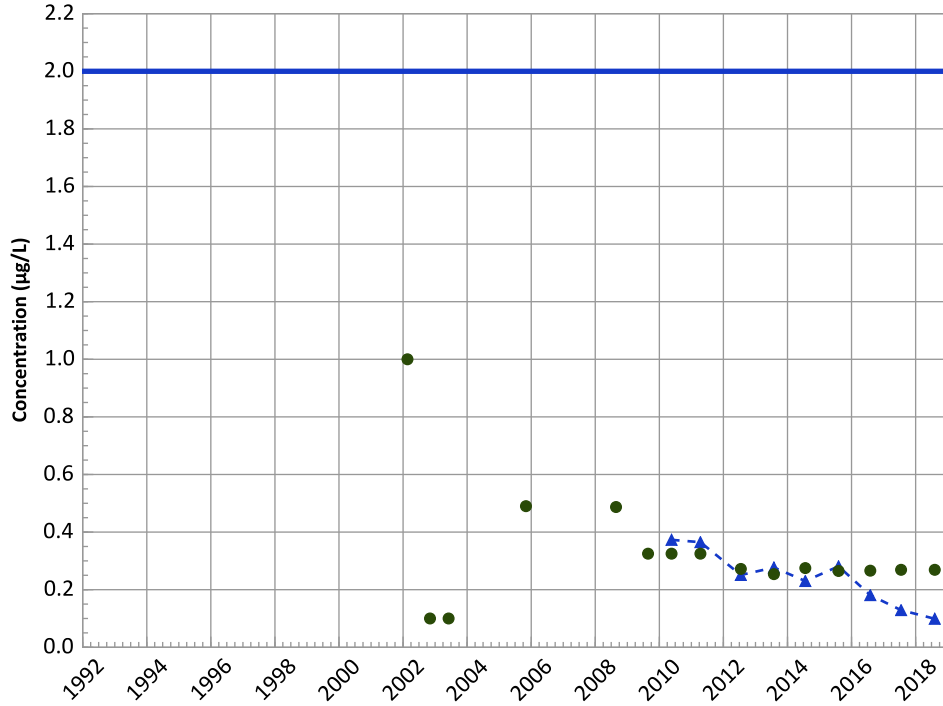
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 02/20/2002 to 12/10/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1077A 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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

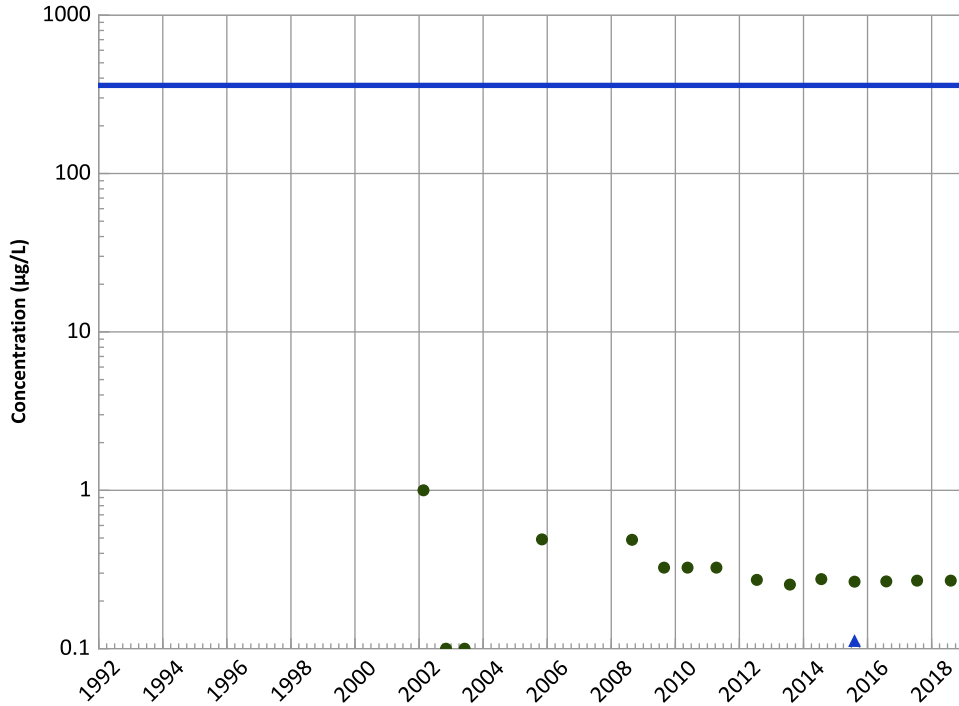
Data (2017 - 2021):

Stable

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

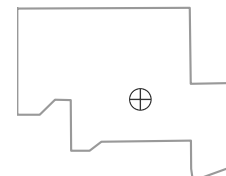
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

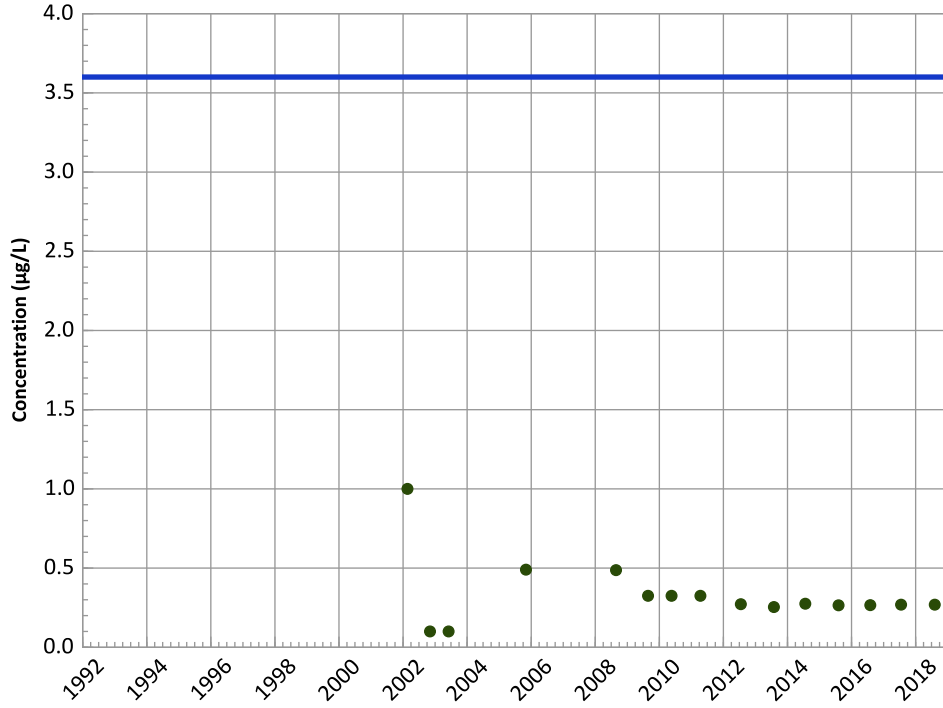


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

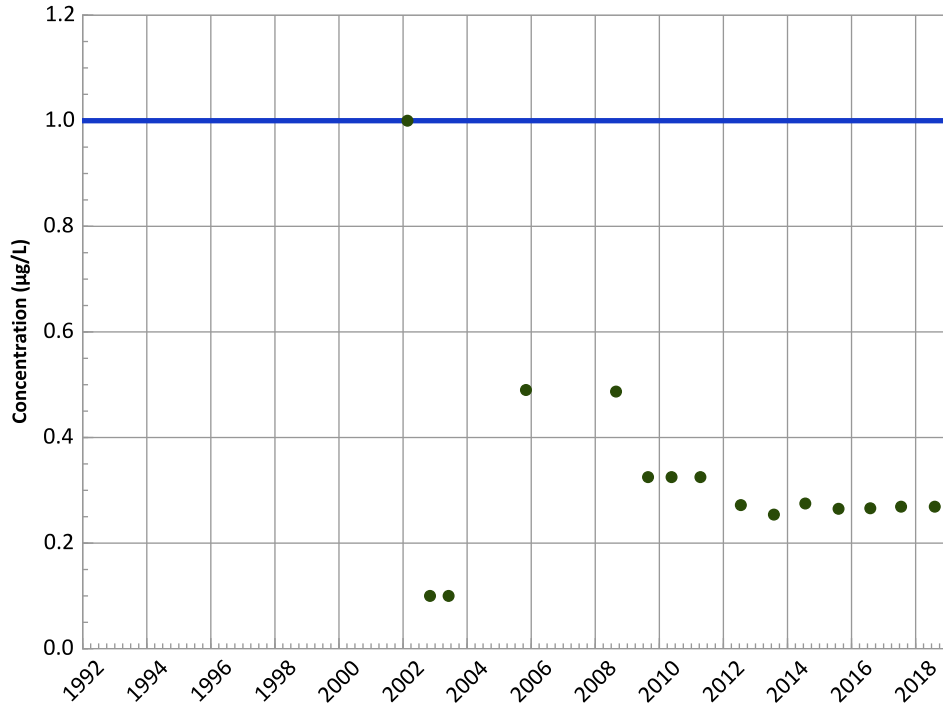
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

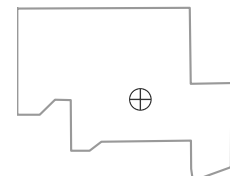
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

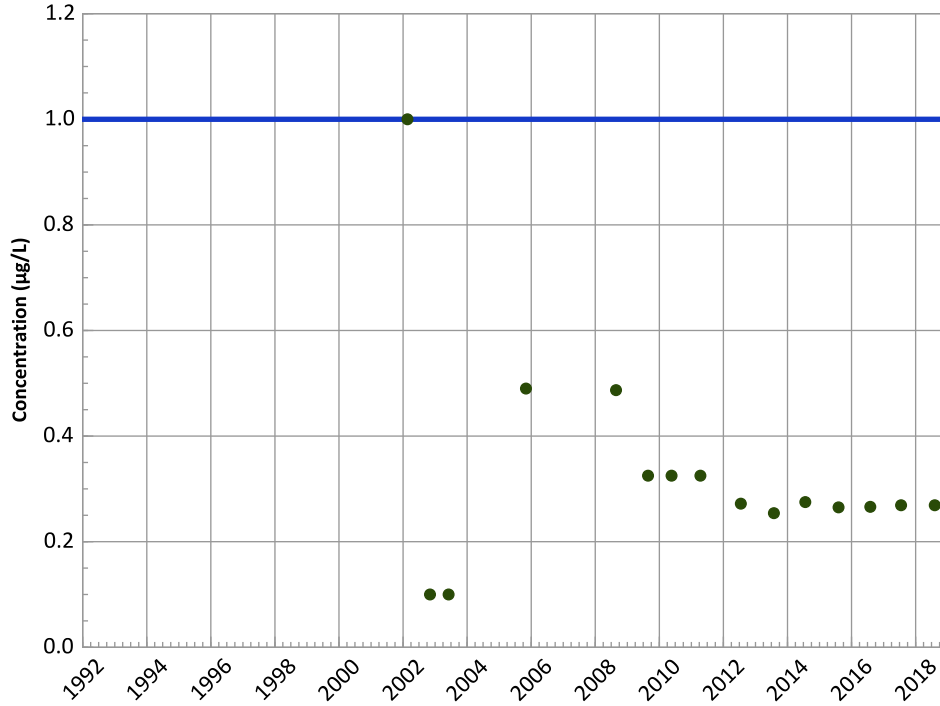


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

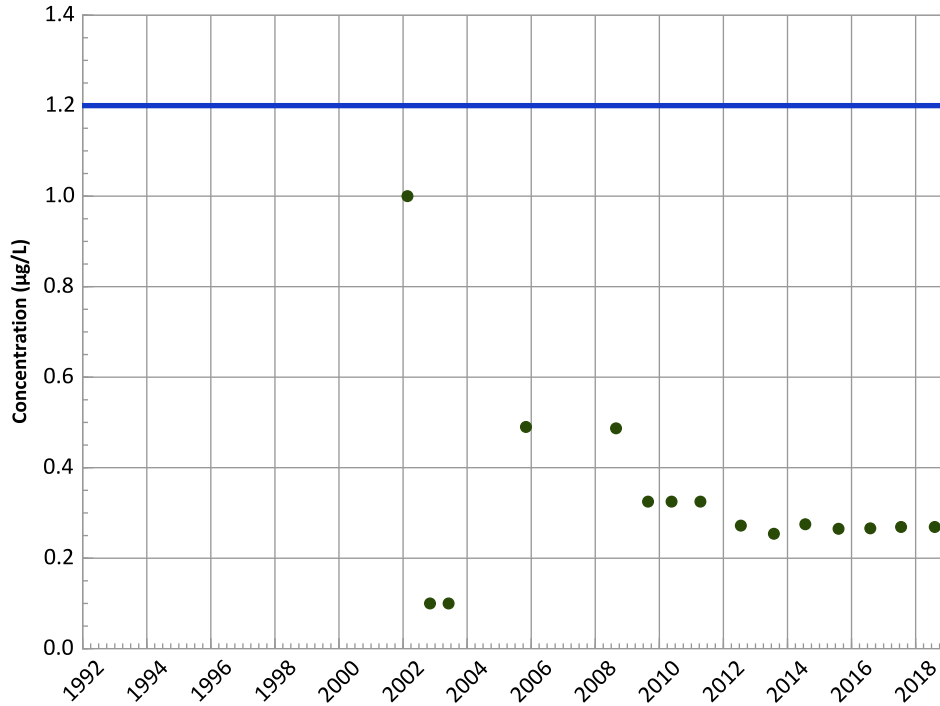
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

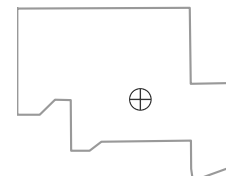
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

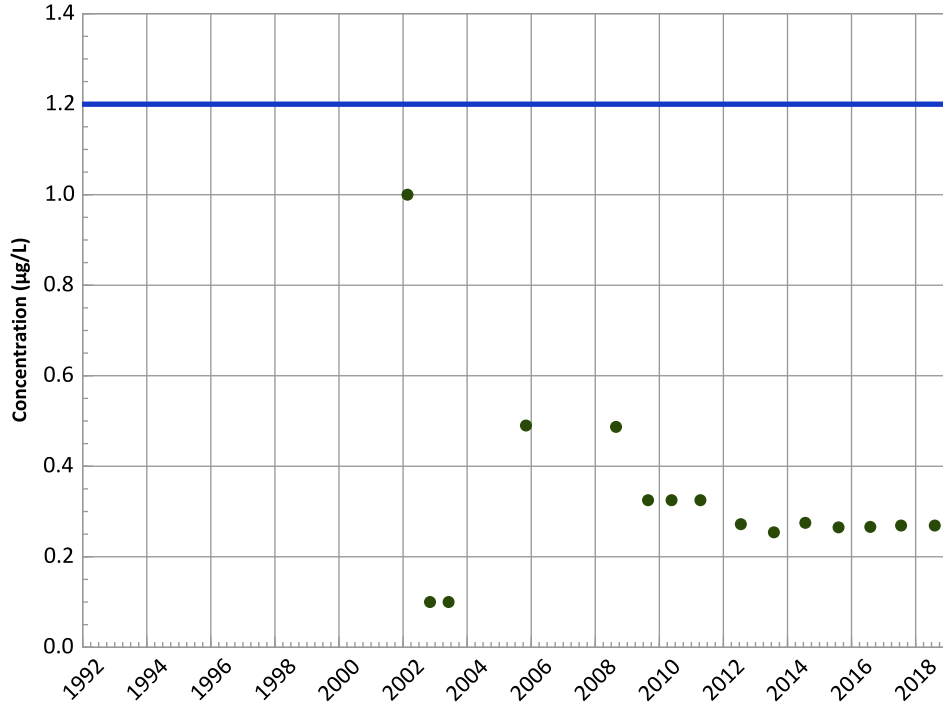


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

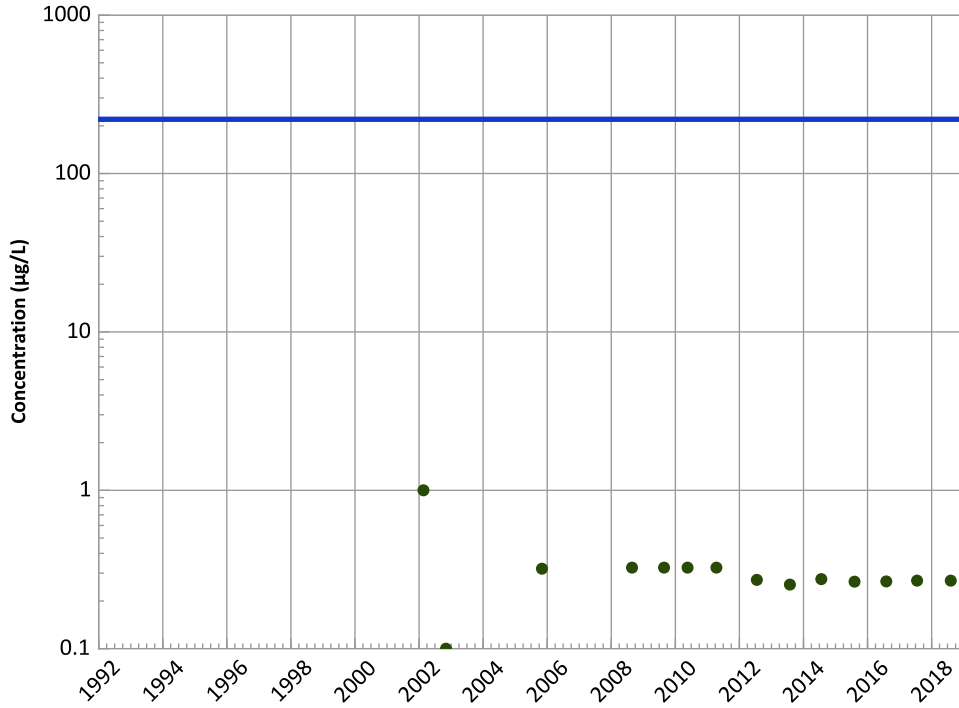
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

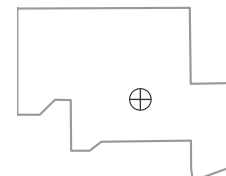
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

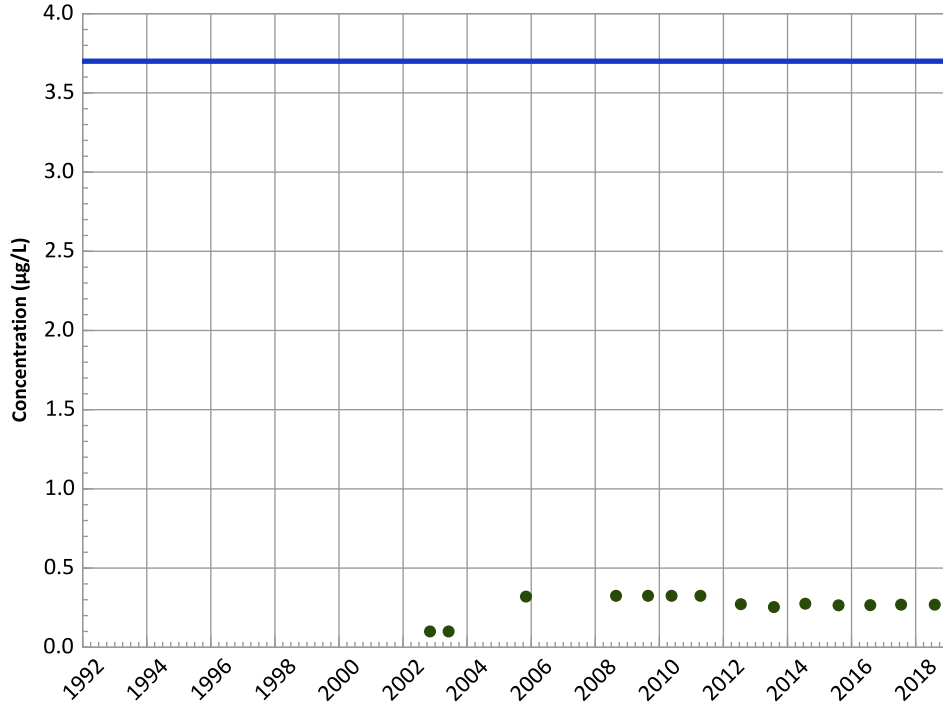
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

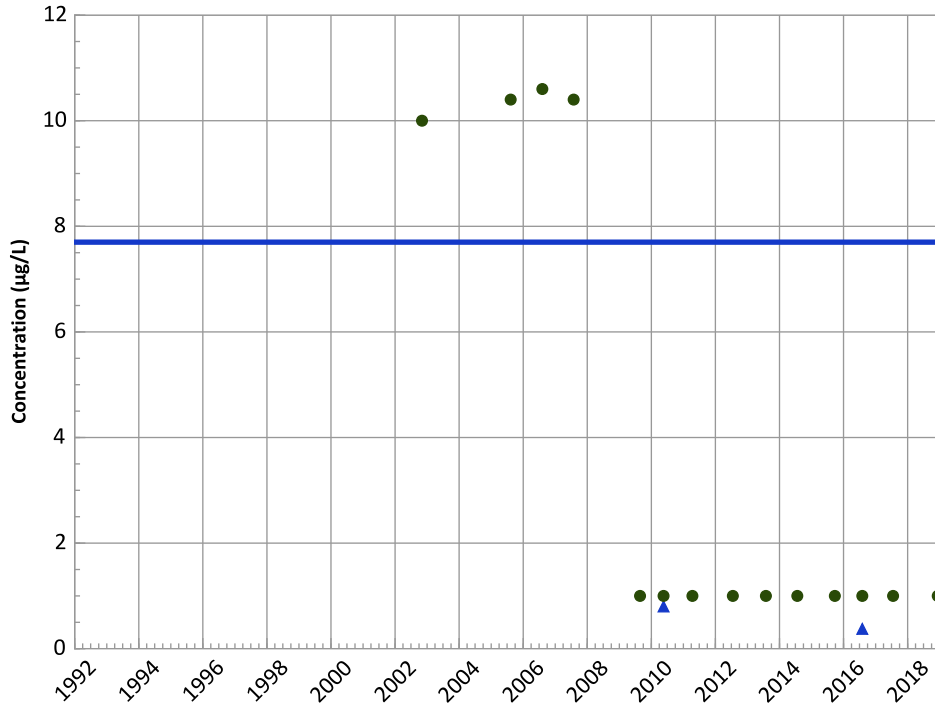
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

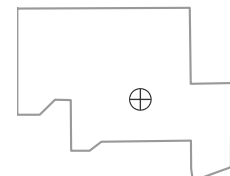
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

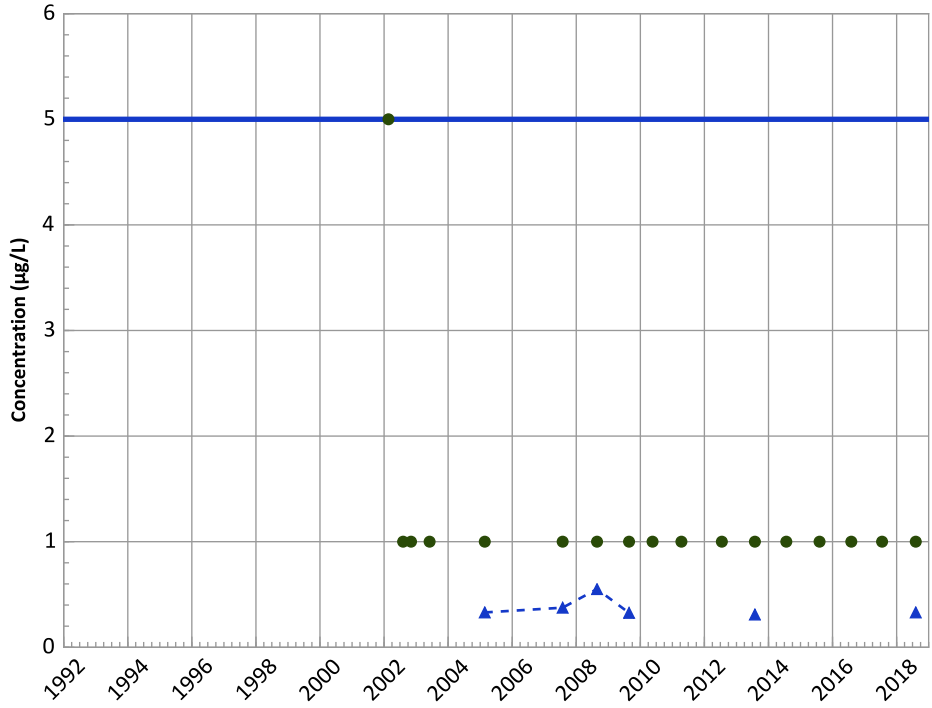
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Tetrachloroethylene (PCE) Trend

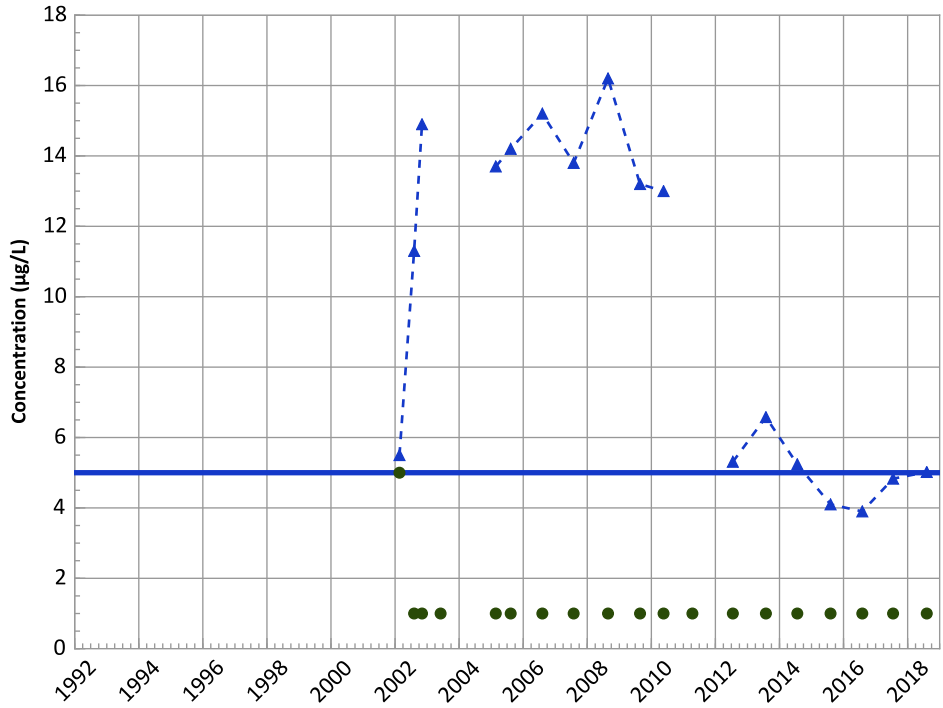


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Trichloroethene Trend

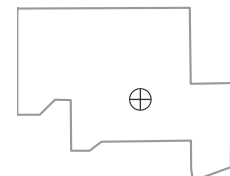


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

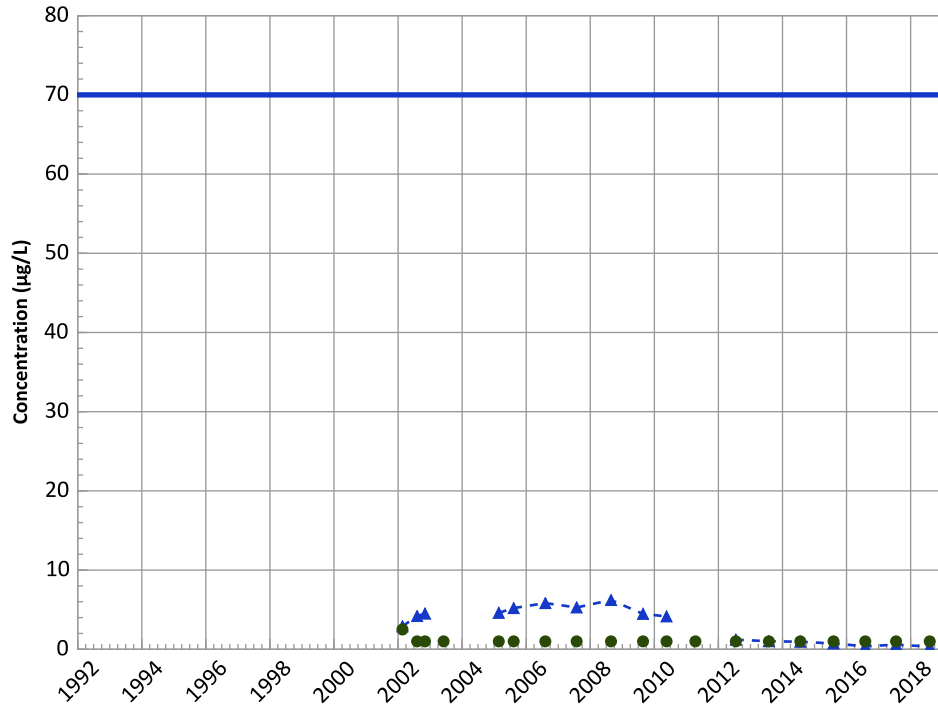
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1077A in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

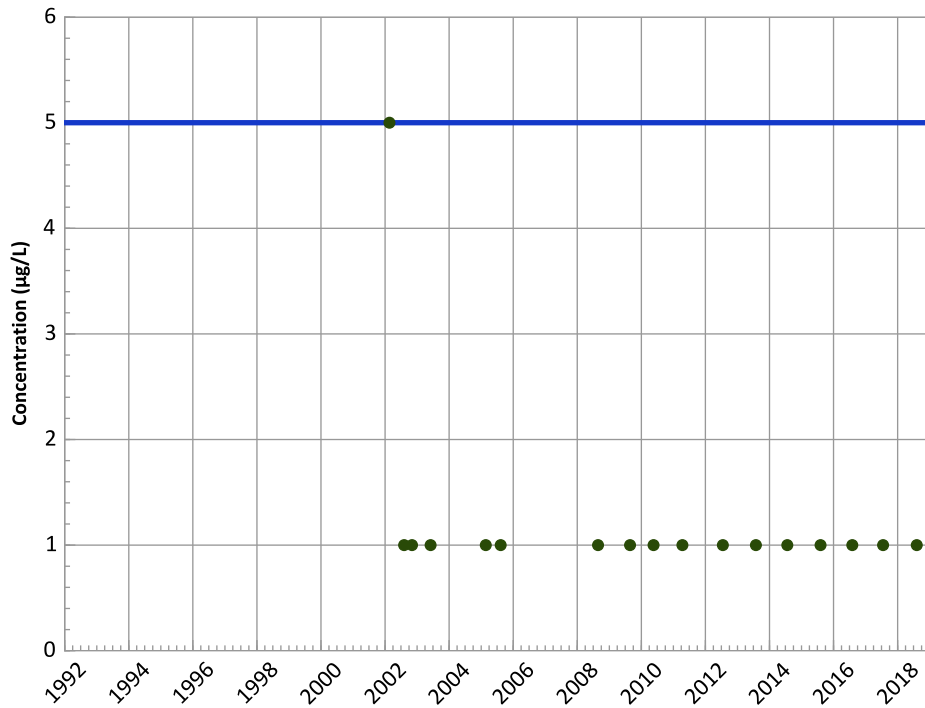


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

1,2-Dichloroethane Trend

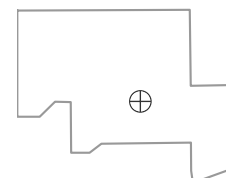


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

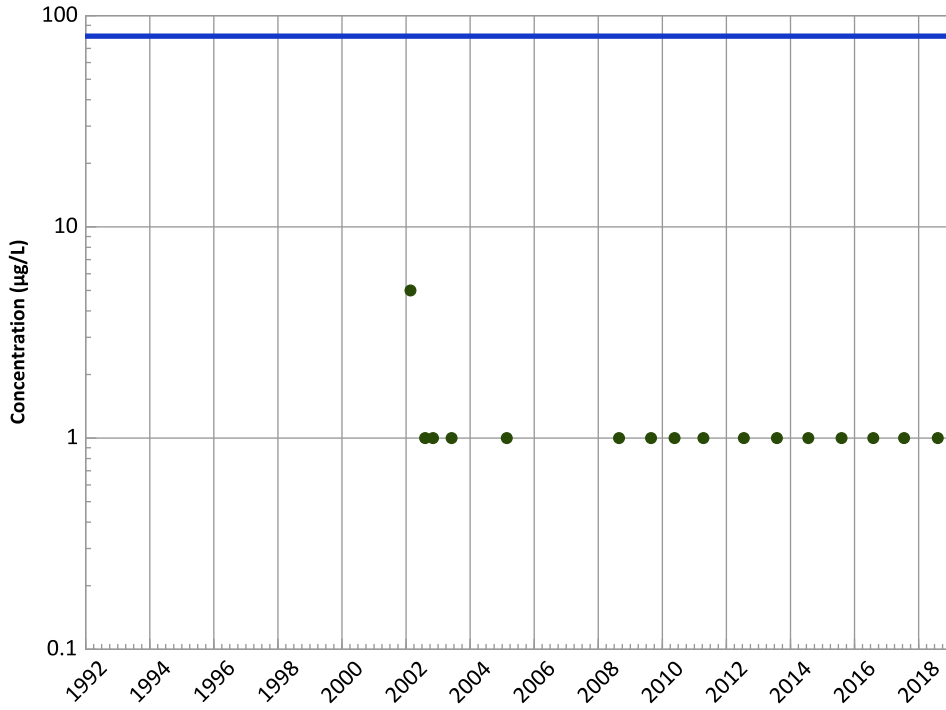


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Chloroform Trend

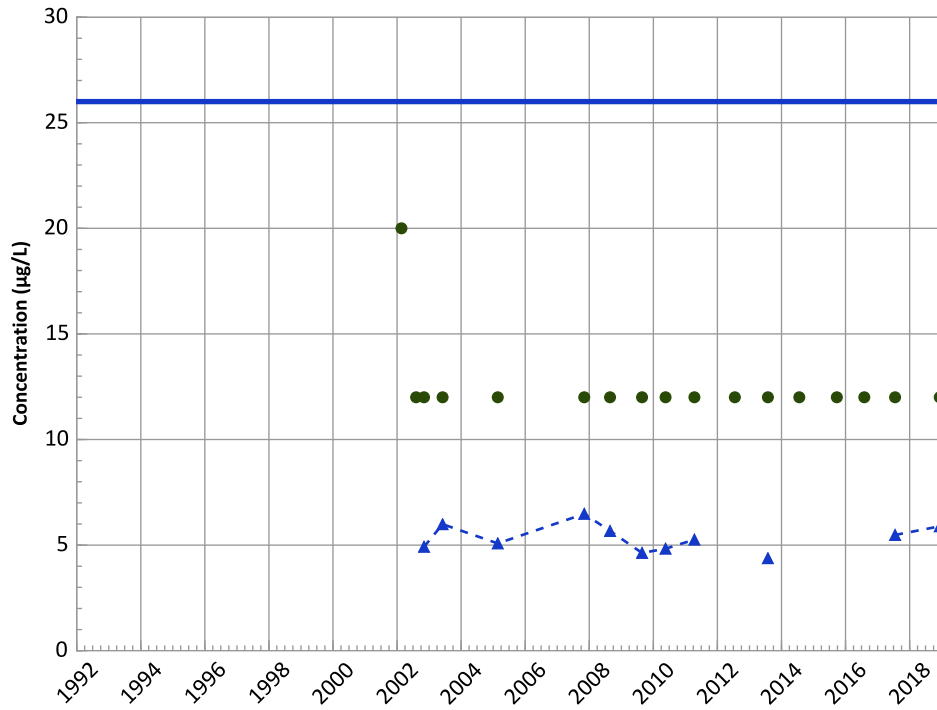


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

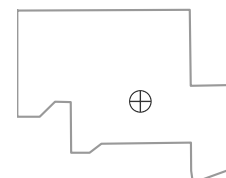


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

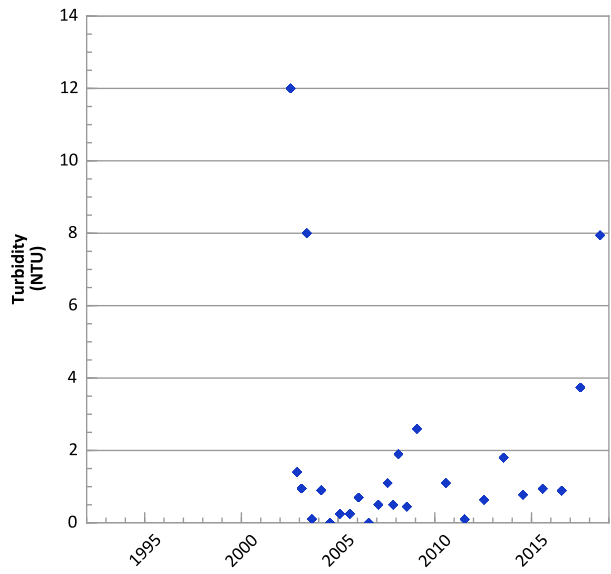
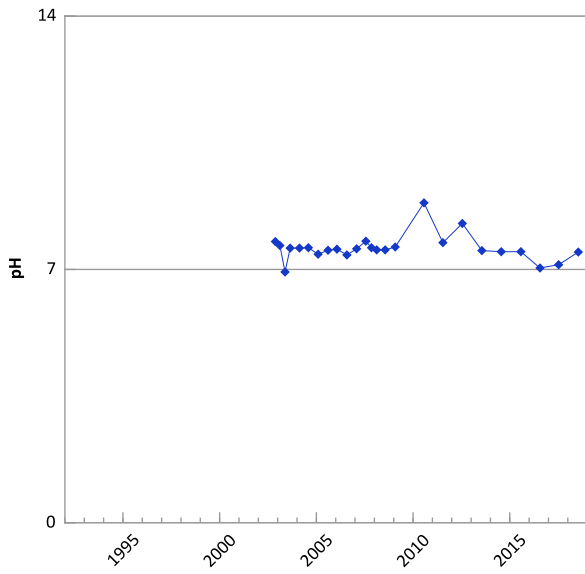
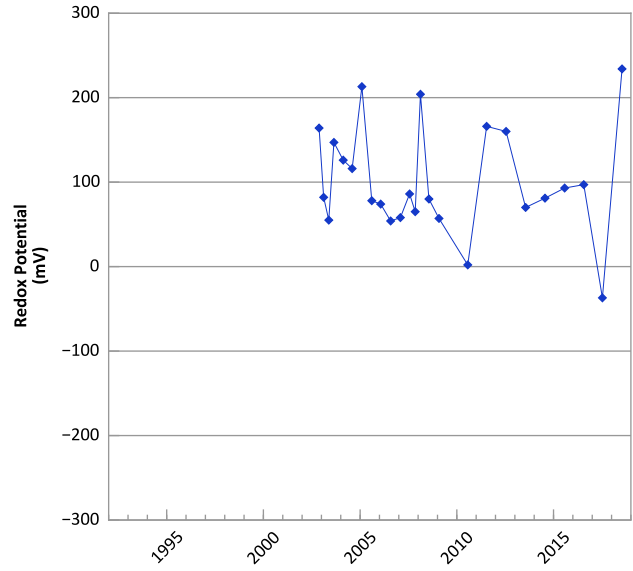
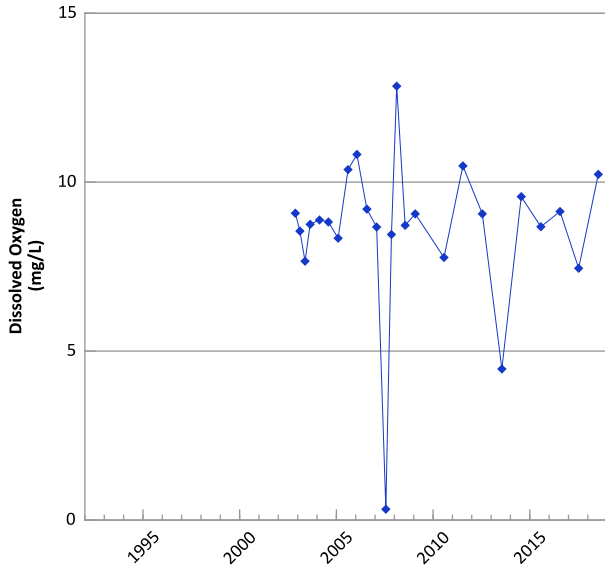
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/20/2002 to 12/10/2018
Analysis Date: 02/14/2019

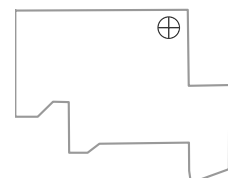
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



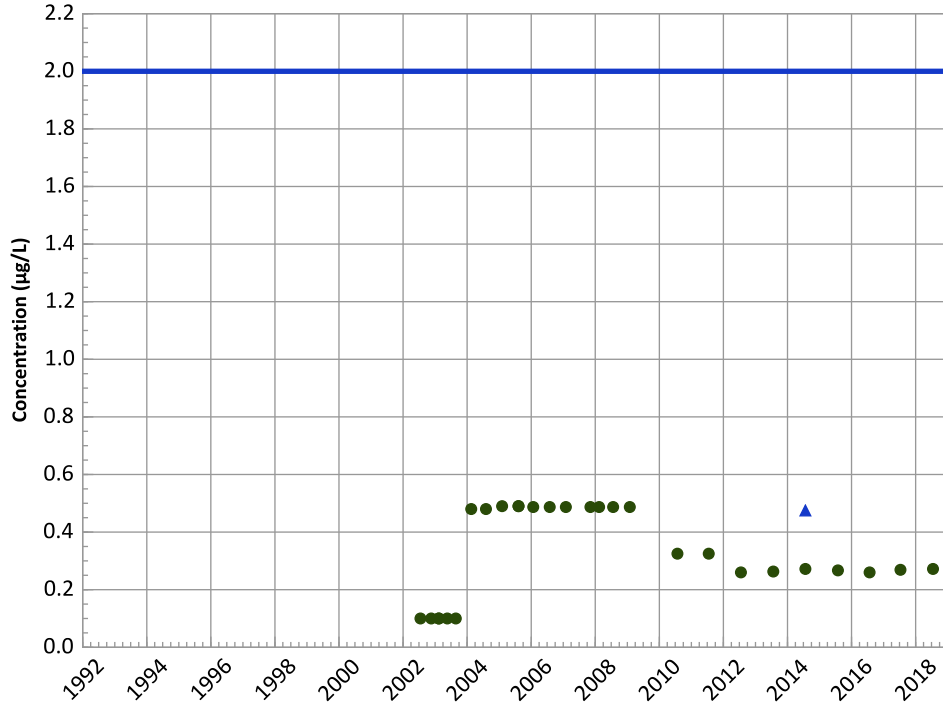
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 07/18/2002 to 07/18/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

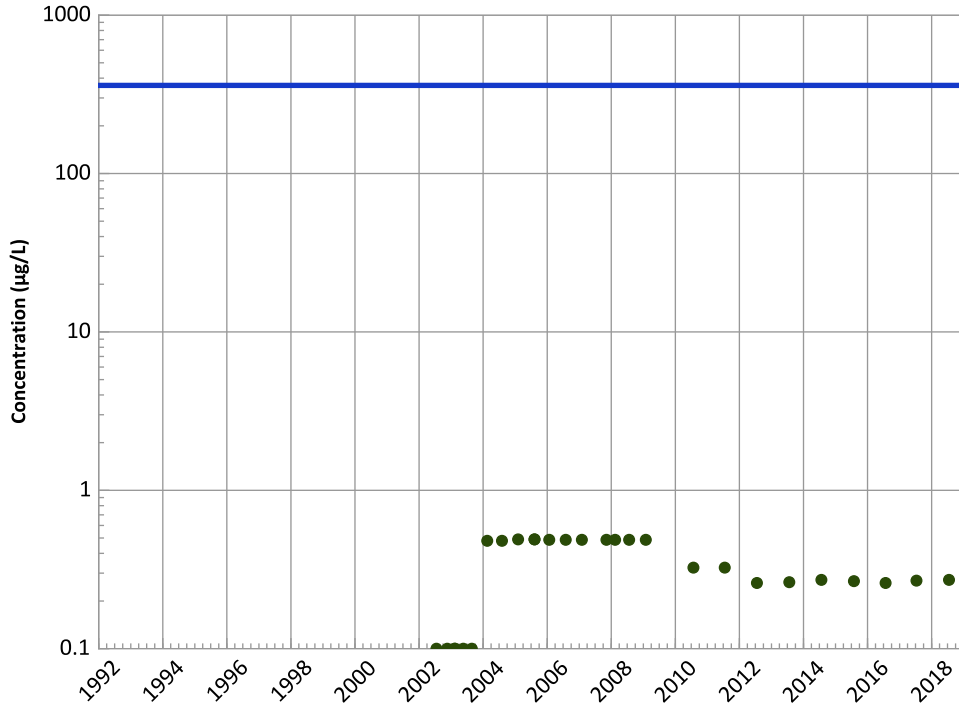


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

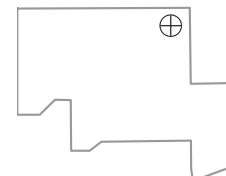
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

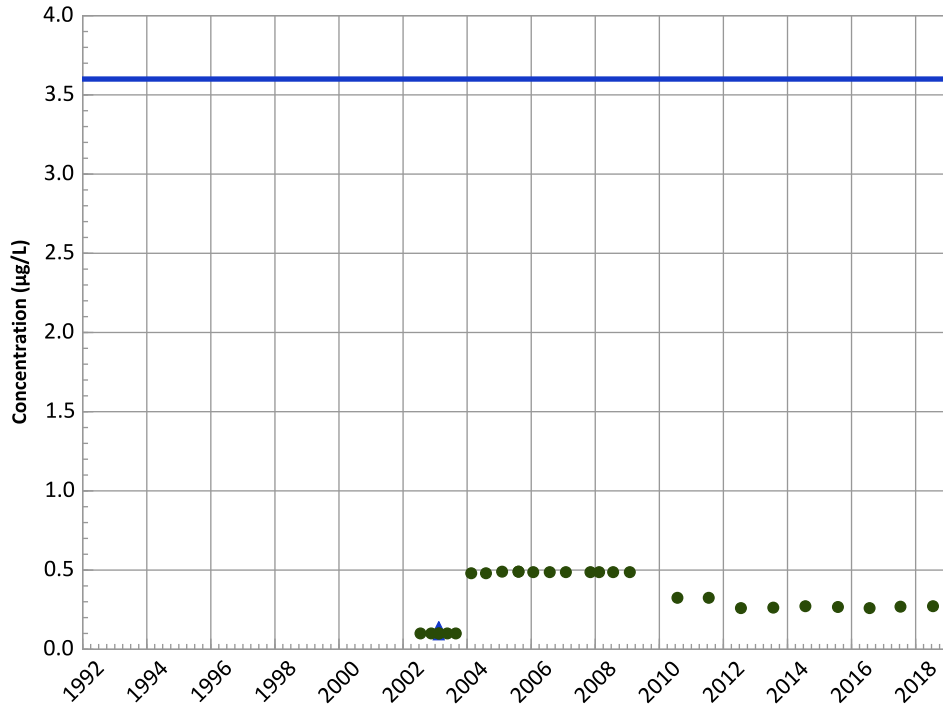
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

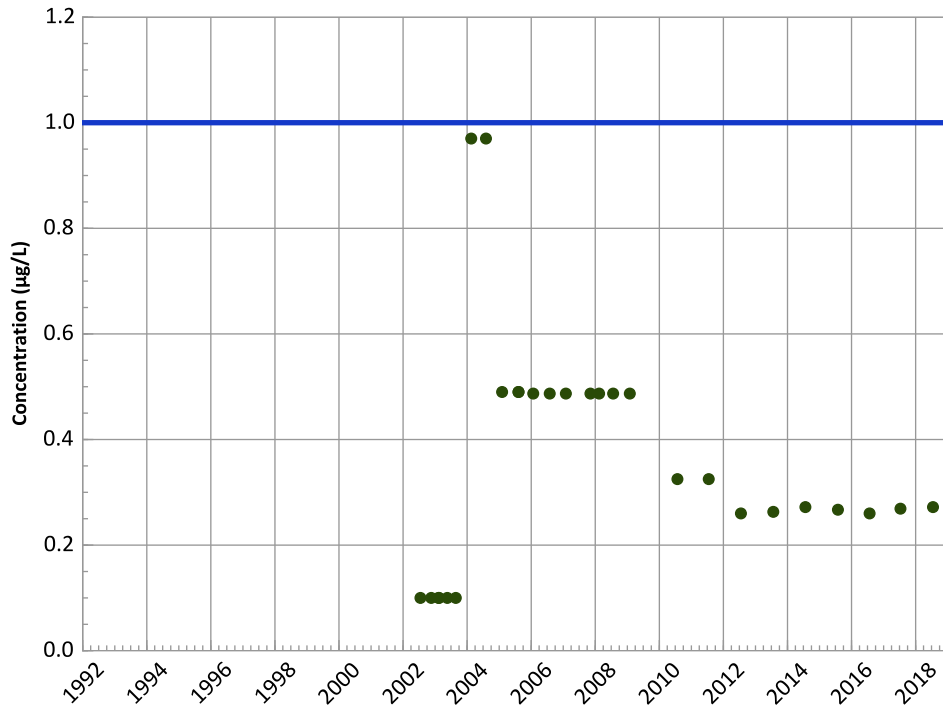
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

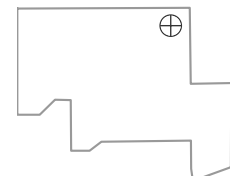
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

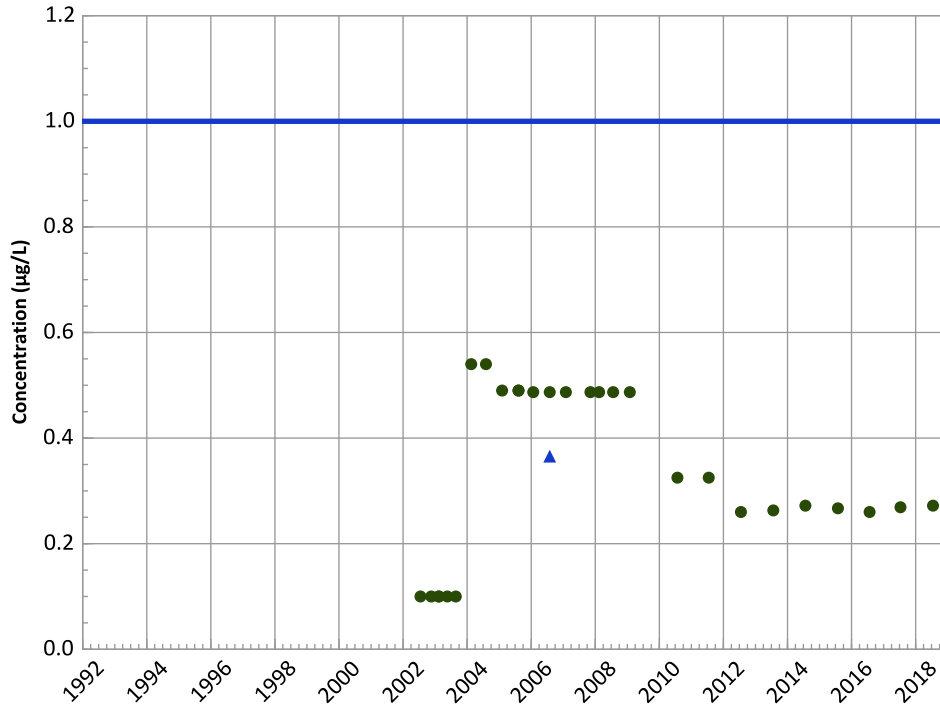


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

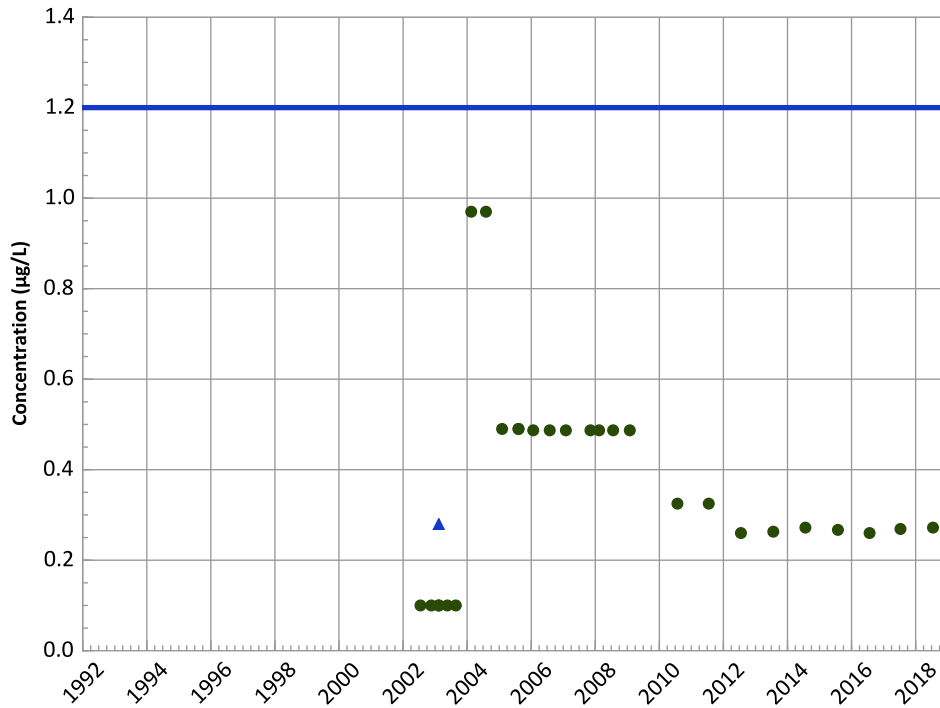
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

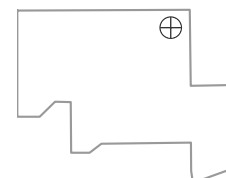
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

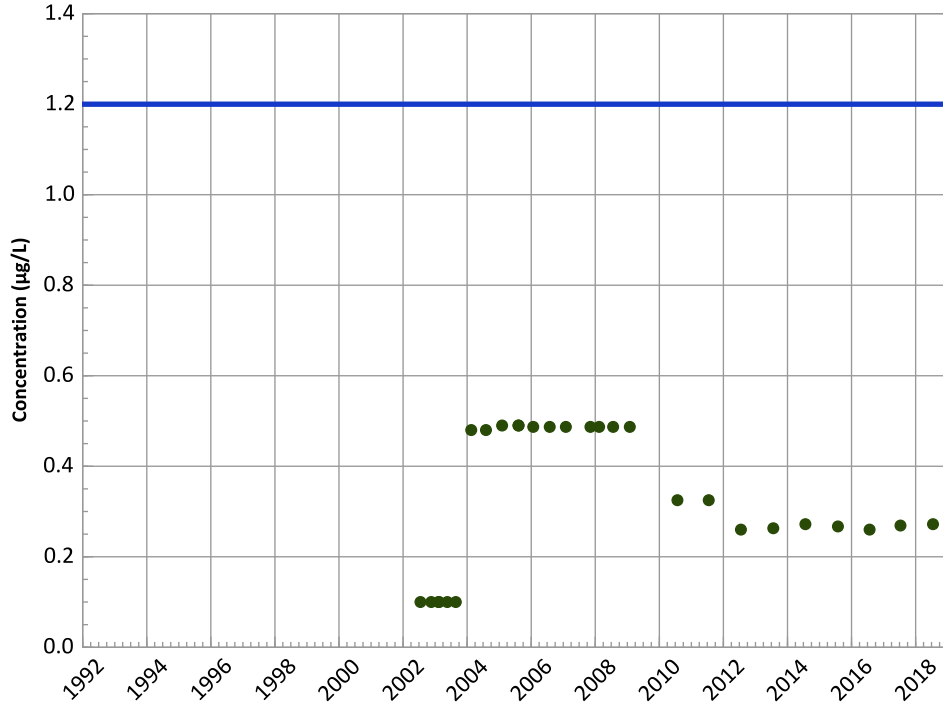


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

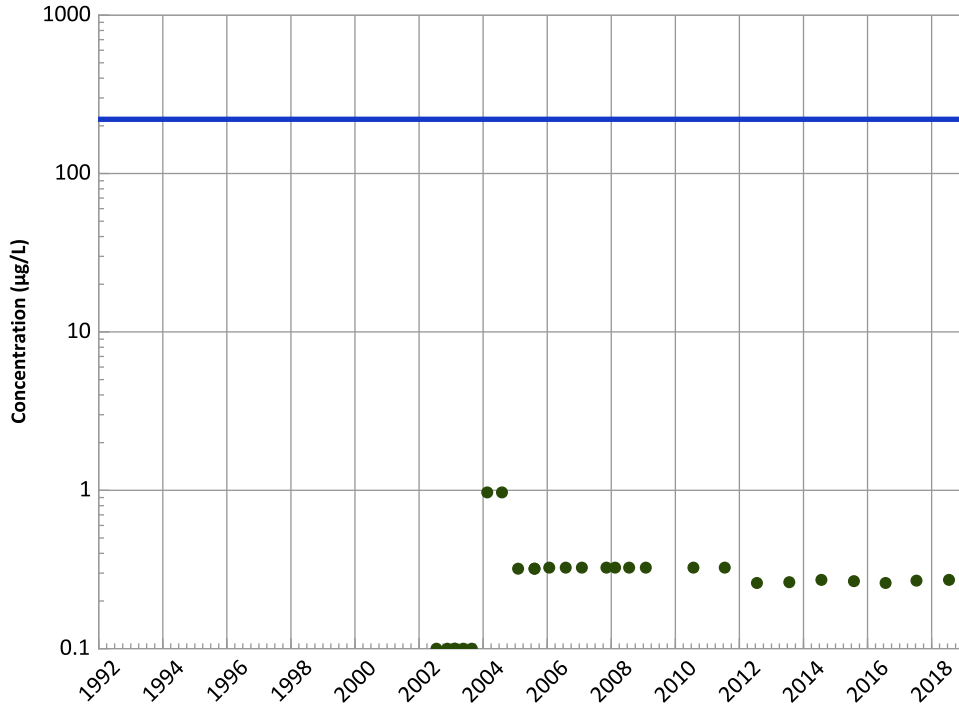
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

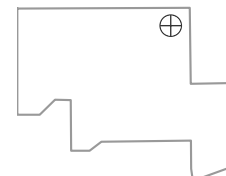
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

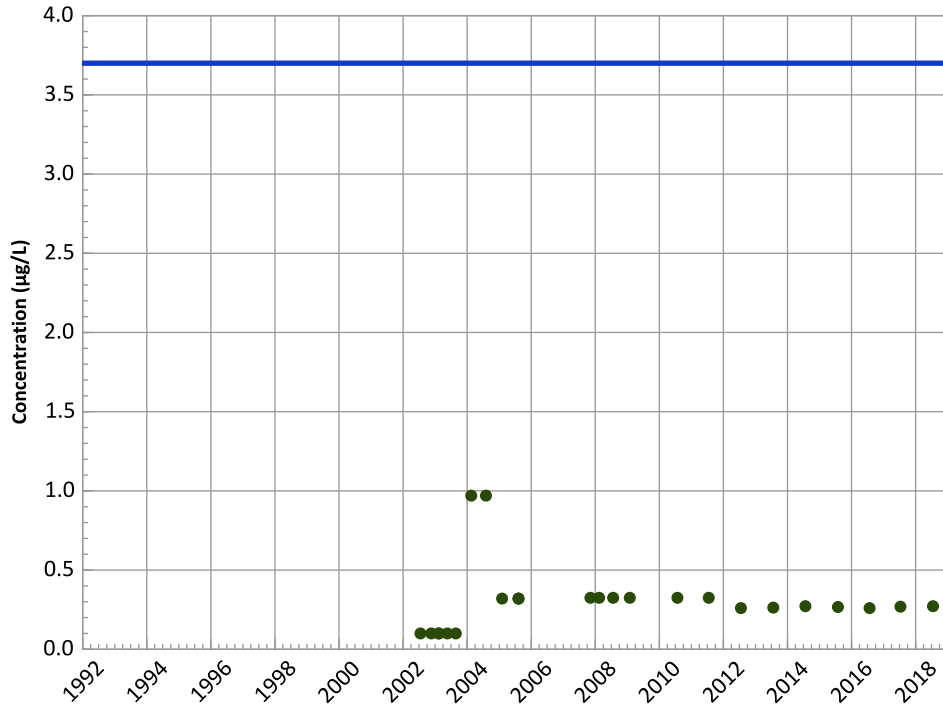
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

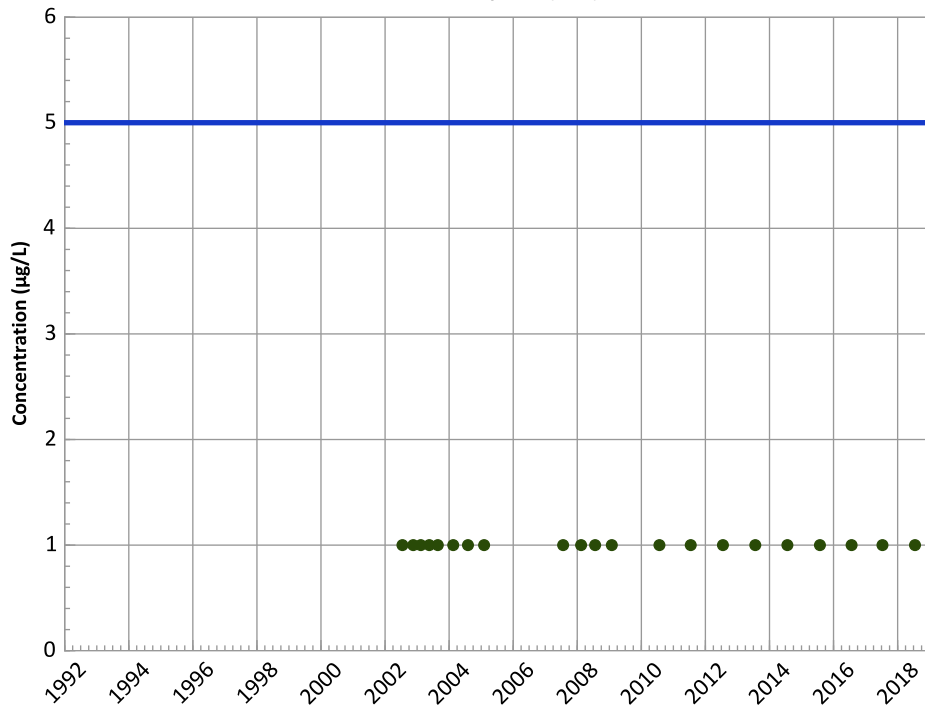
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

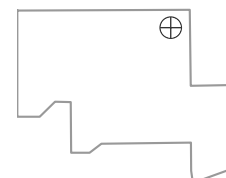
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

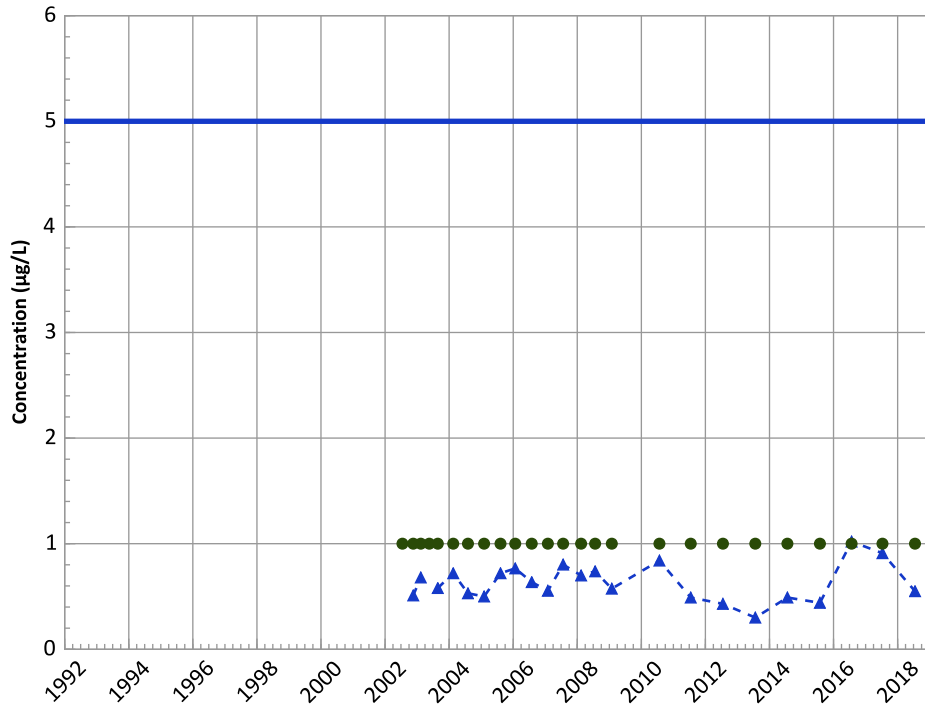


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

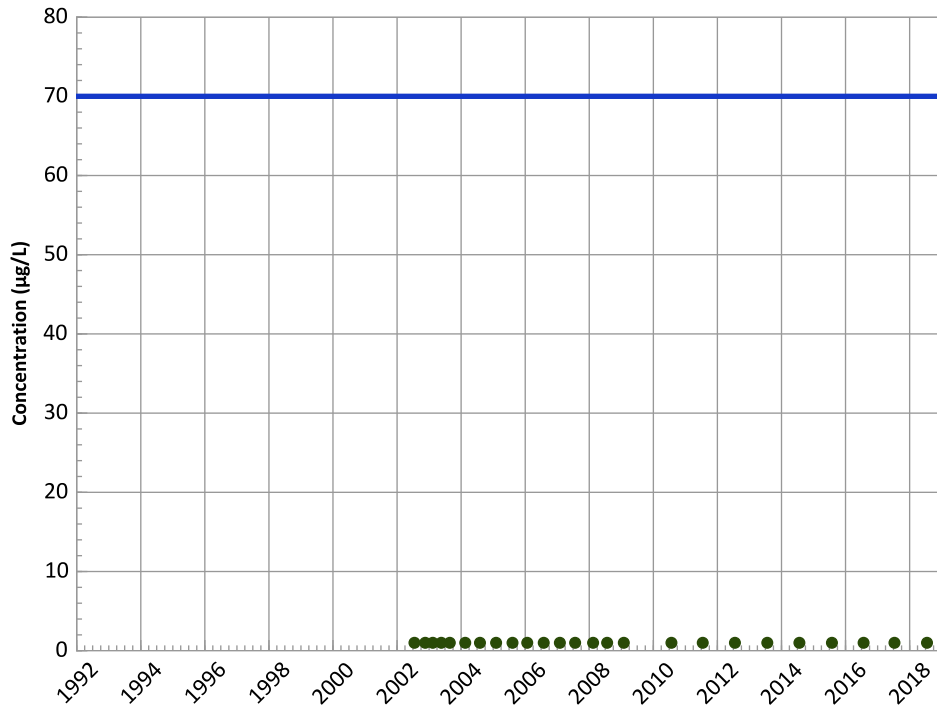


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Increasing
All Data:
Stable

cis-1,2-Dichloroethene Trend

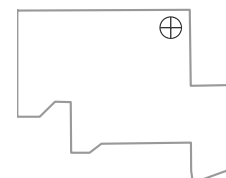


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

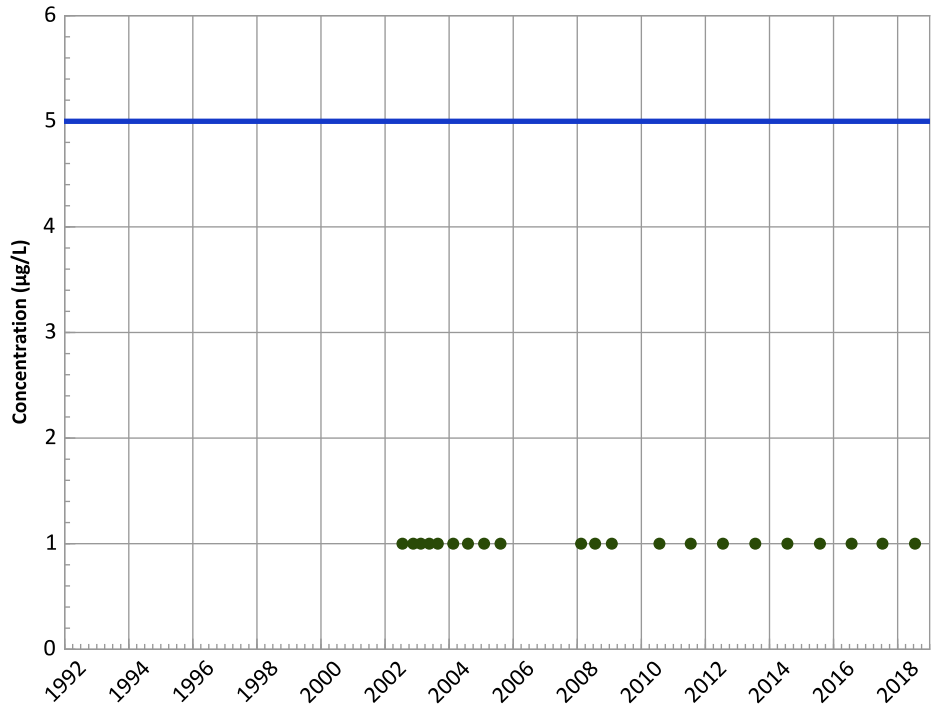
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

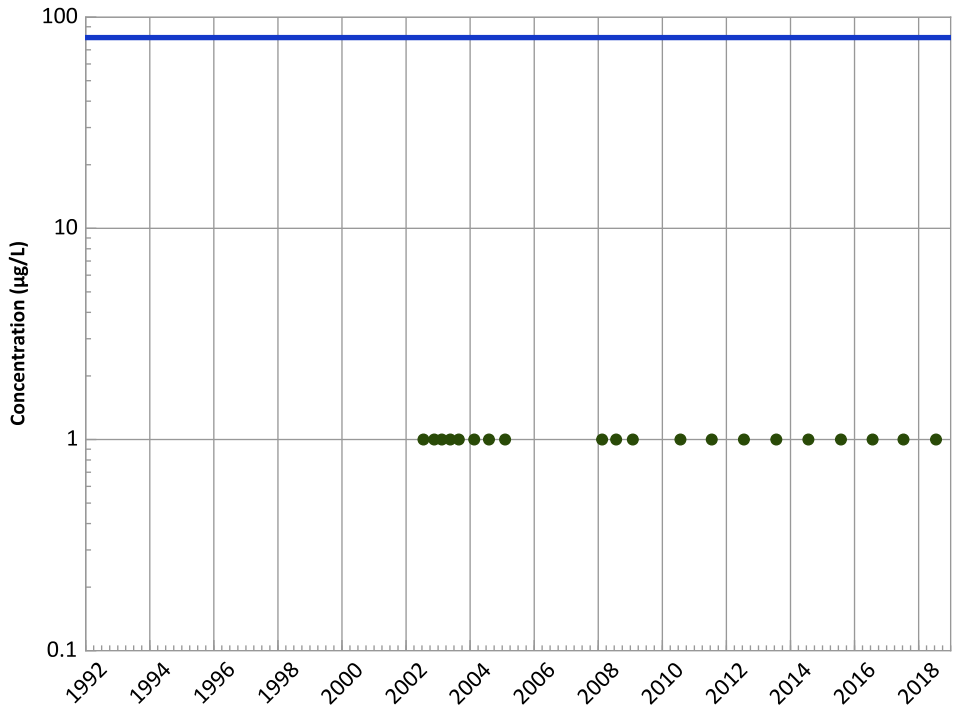


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Chloroform Trend

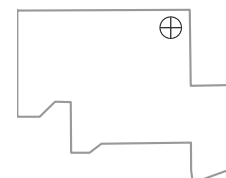


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

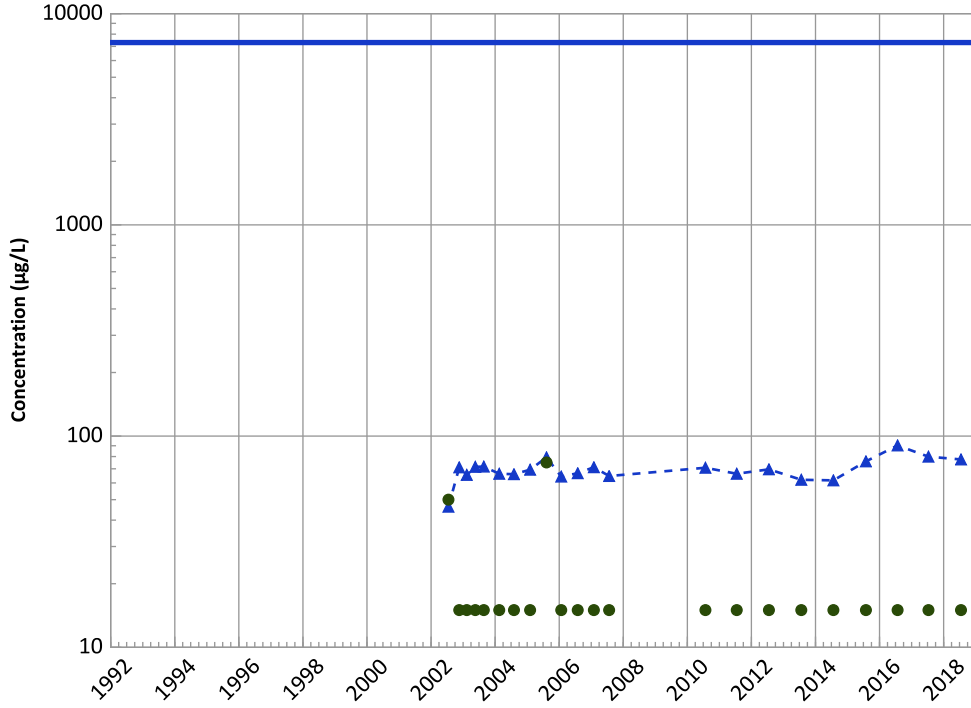


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1081 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

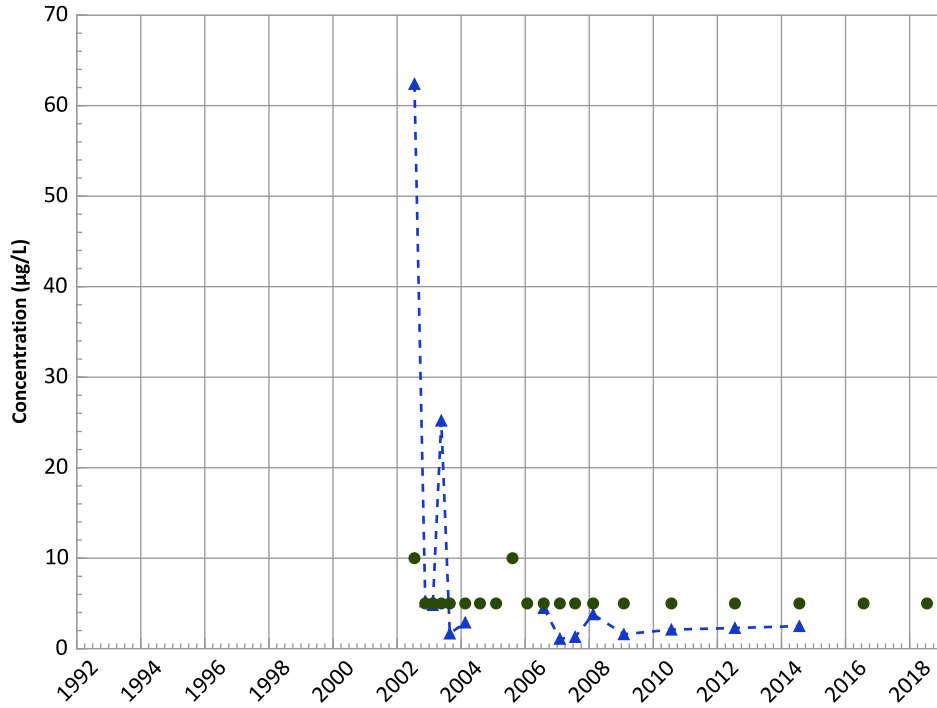
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

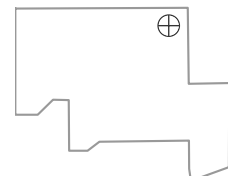
All Data:

Decreasing

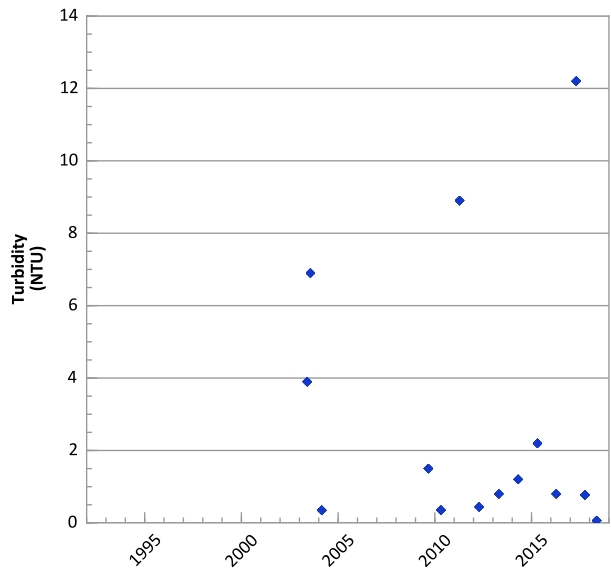
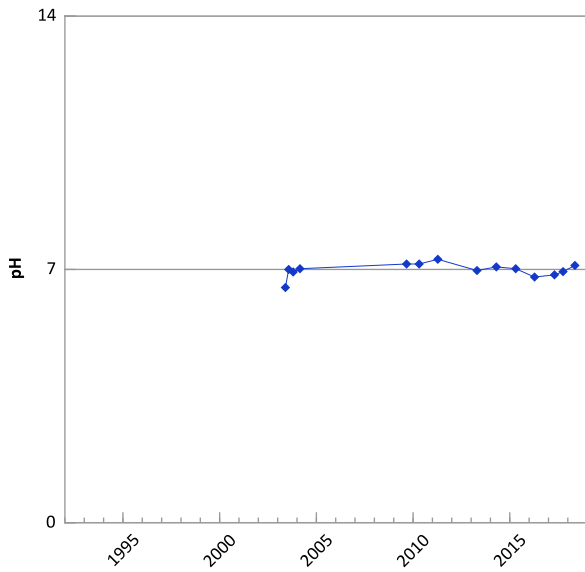
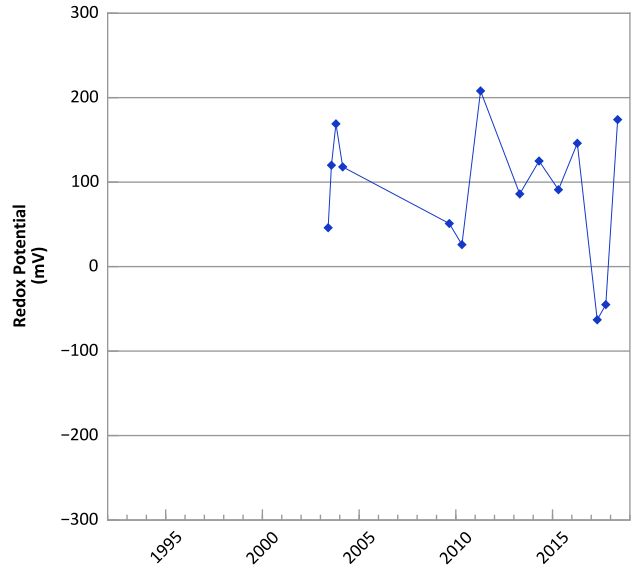
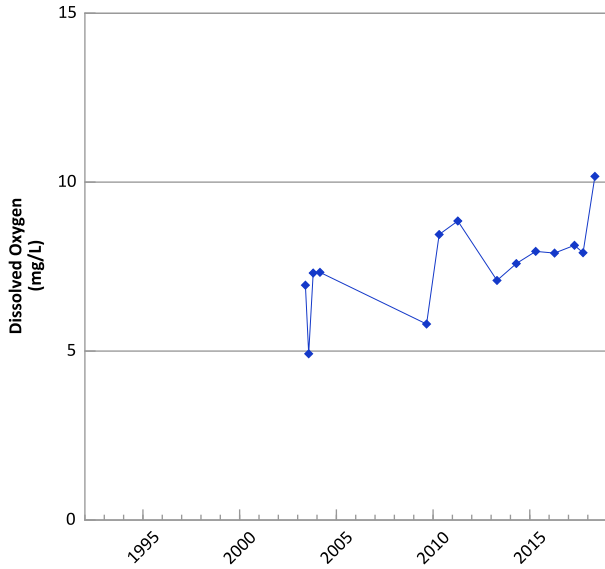
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/18/2002 to 07/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

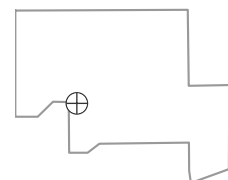


**PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



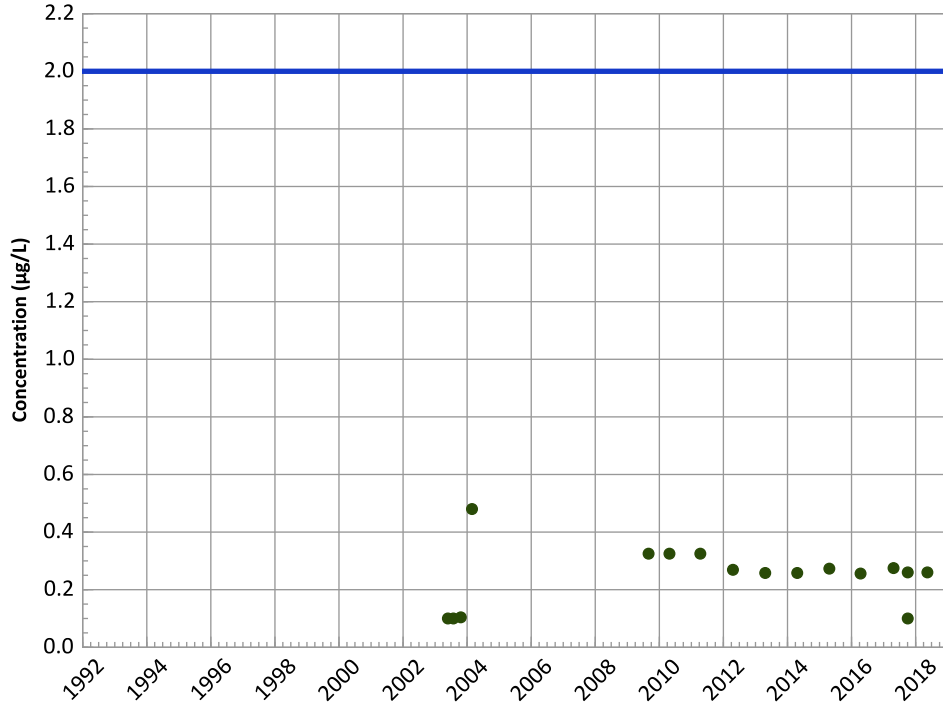
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 05/27/2003 to 05/15/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1085 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

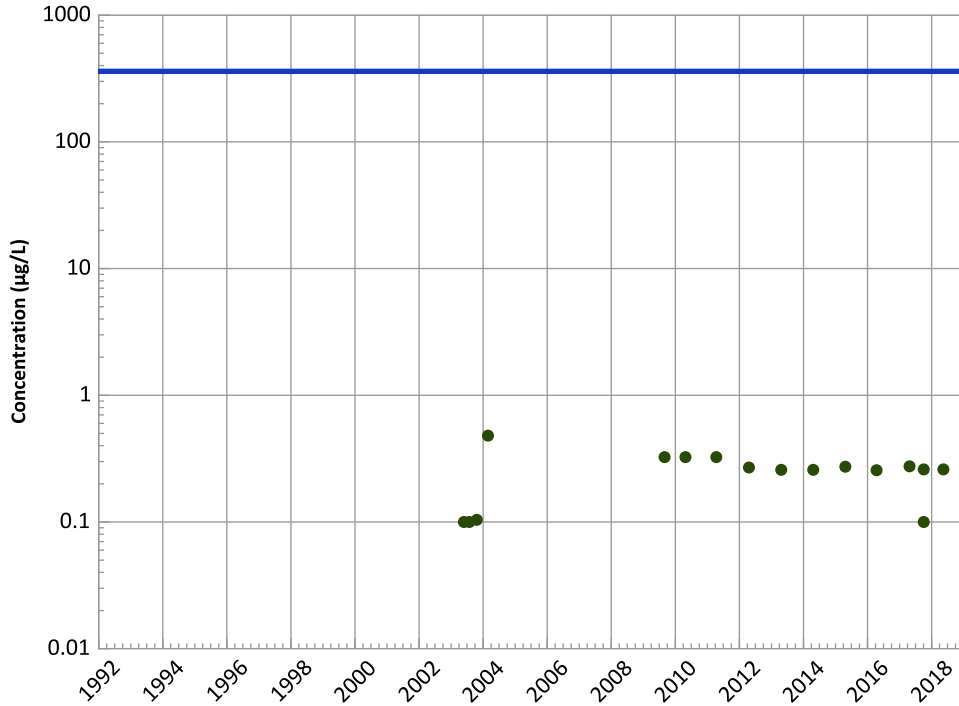
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

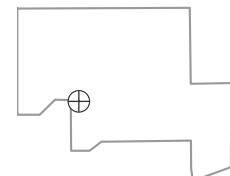
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

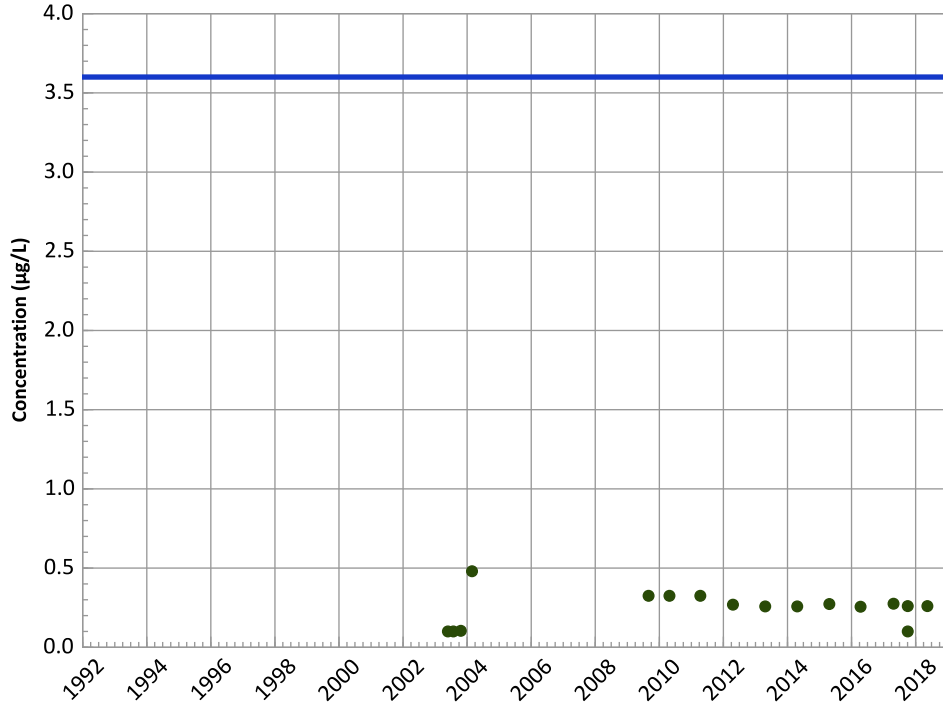


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

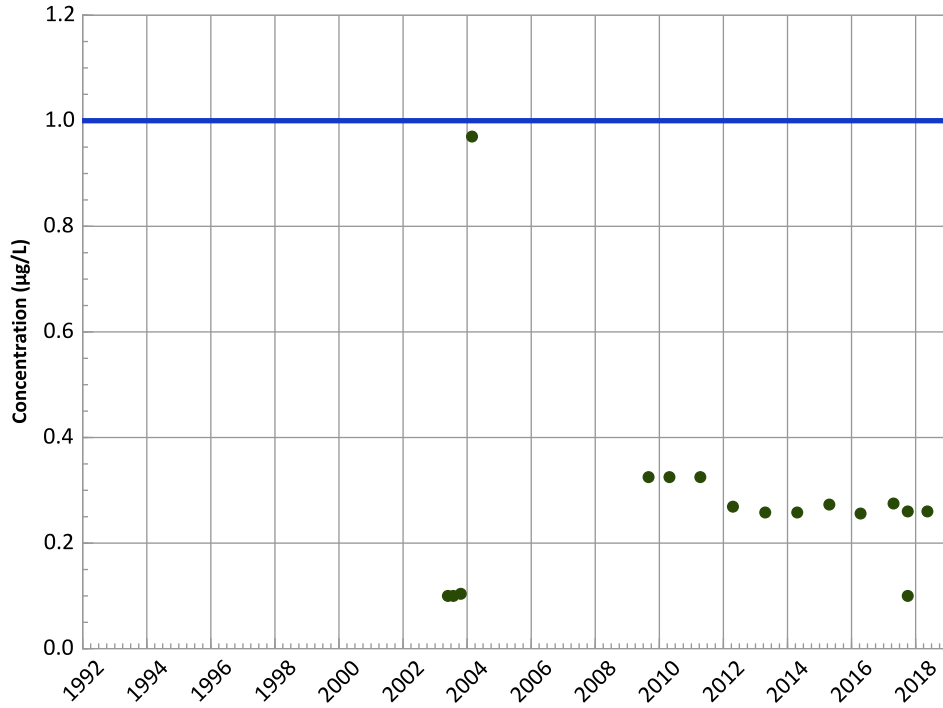
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

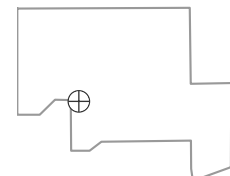
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

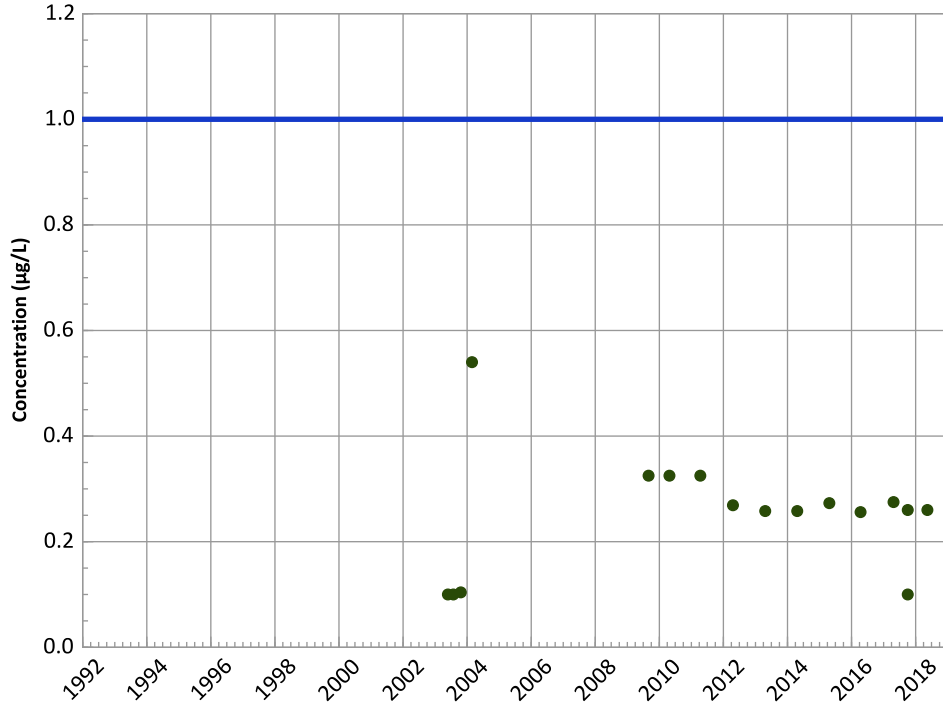


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

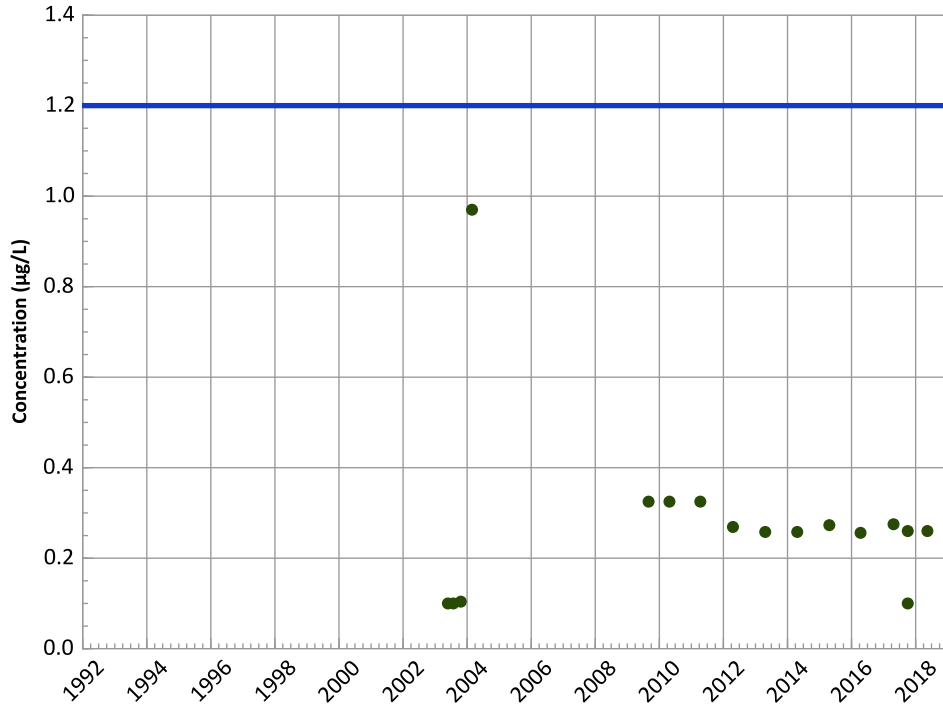
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

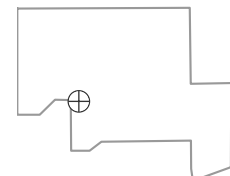
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

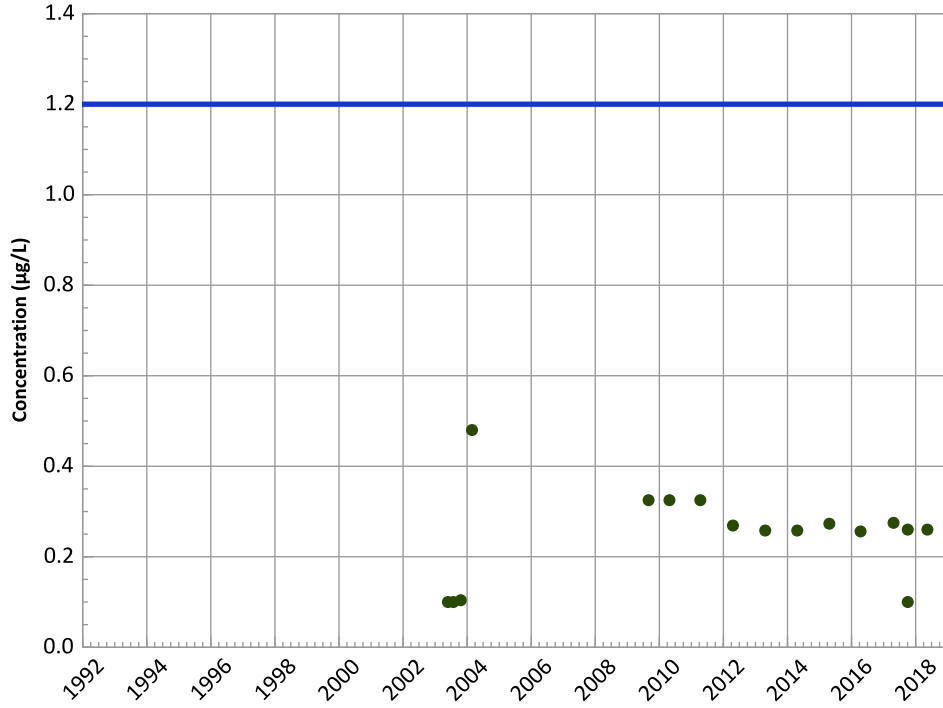


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

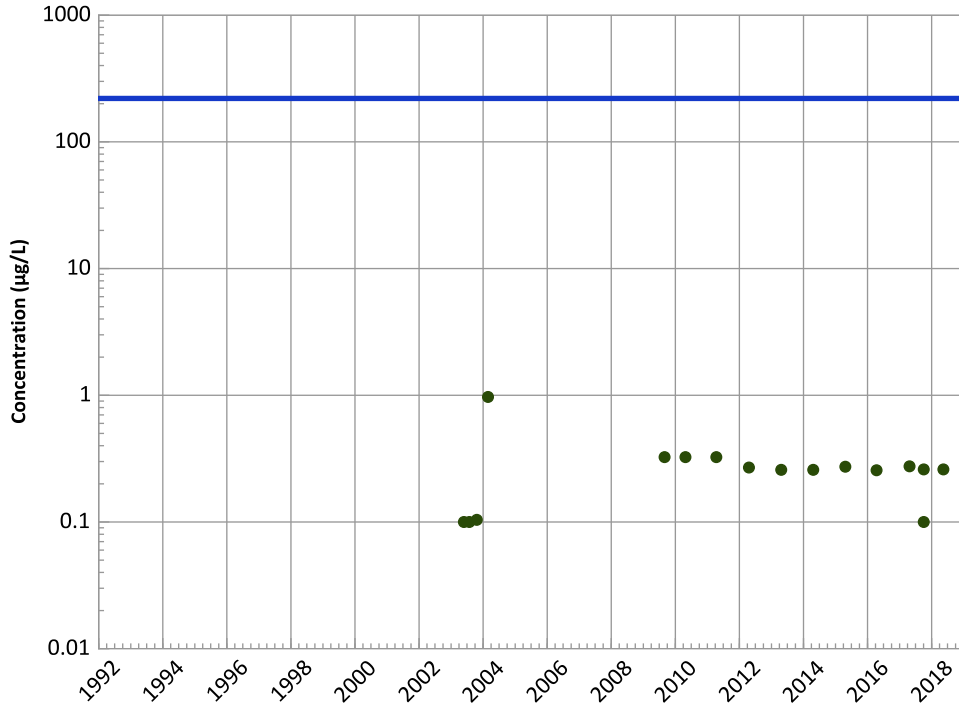
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

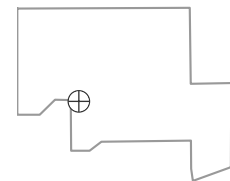
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

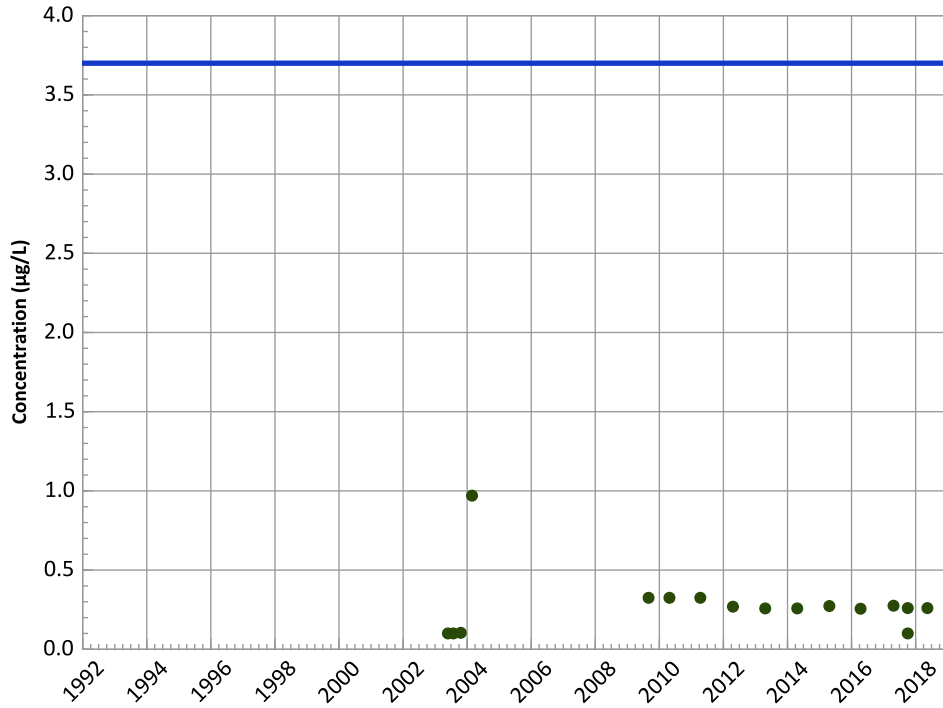


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

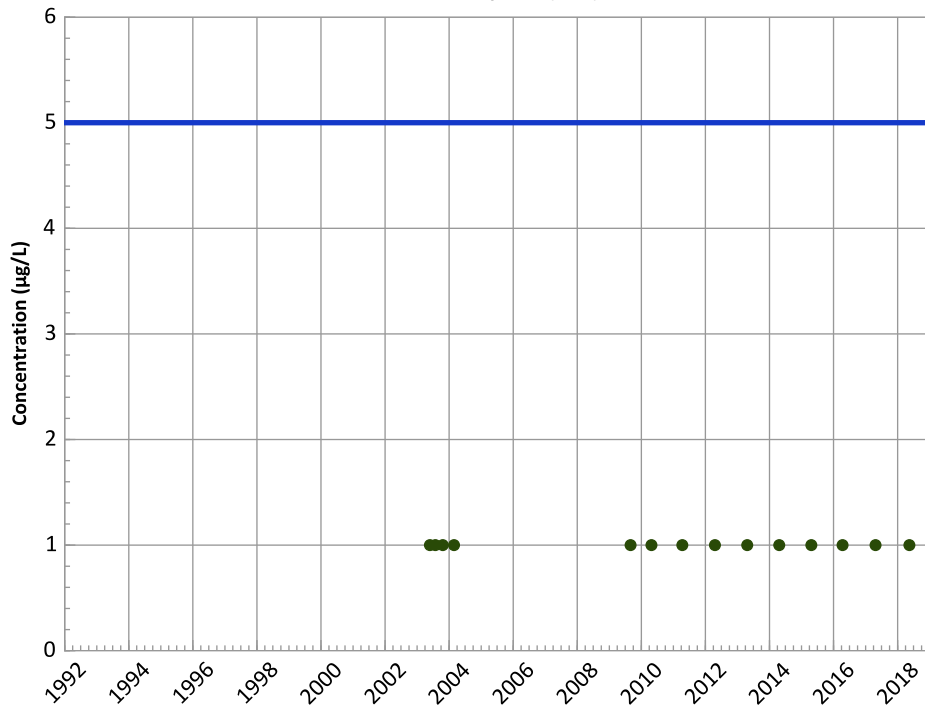
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

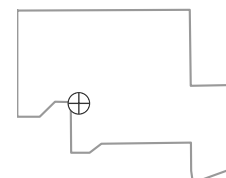
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

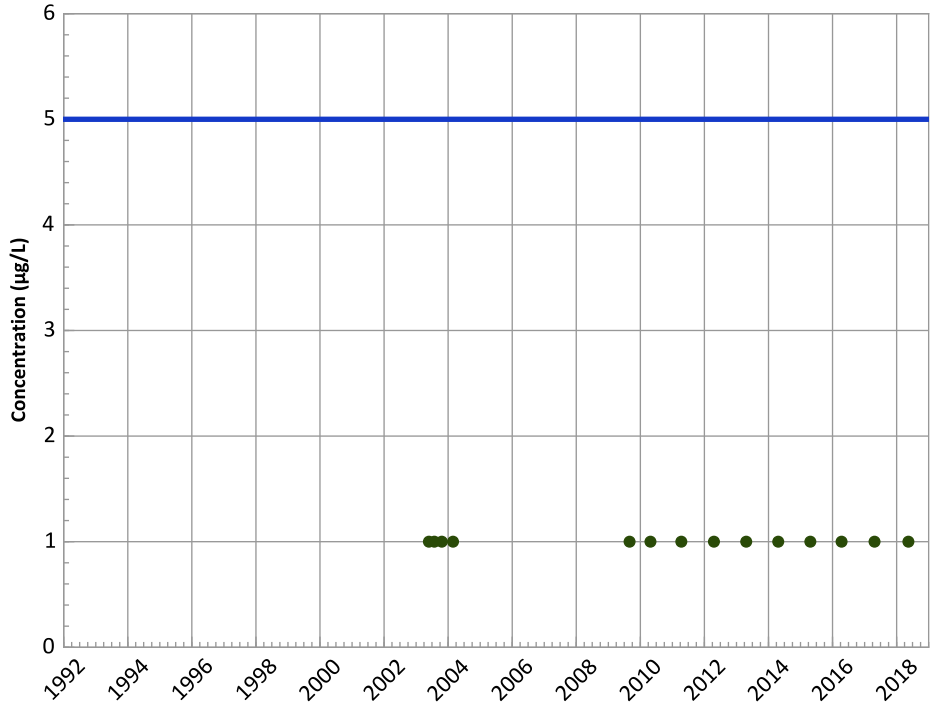


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

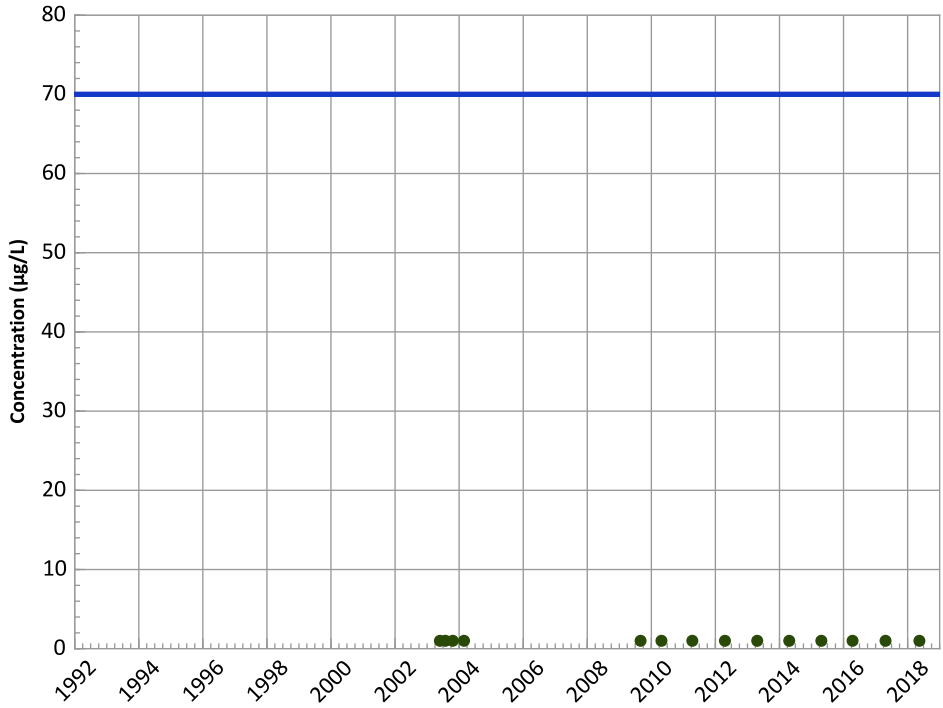
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

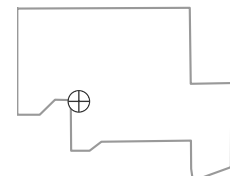
All Data:

All Non-Detect

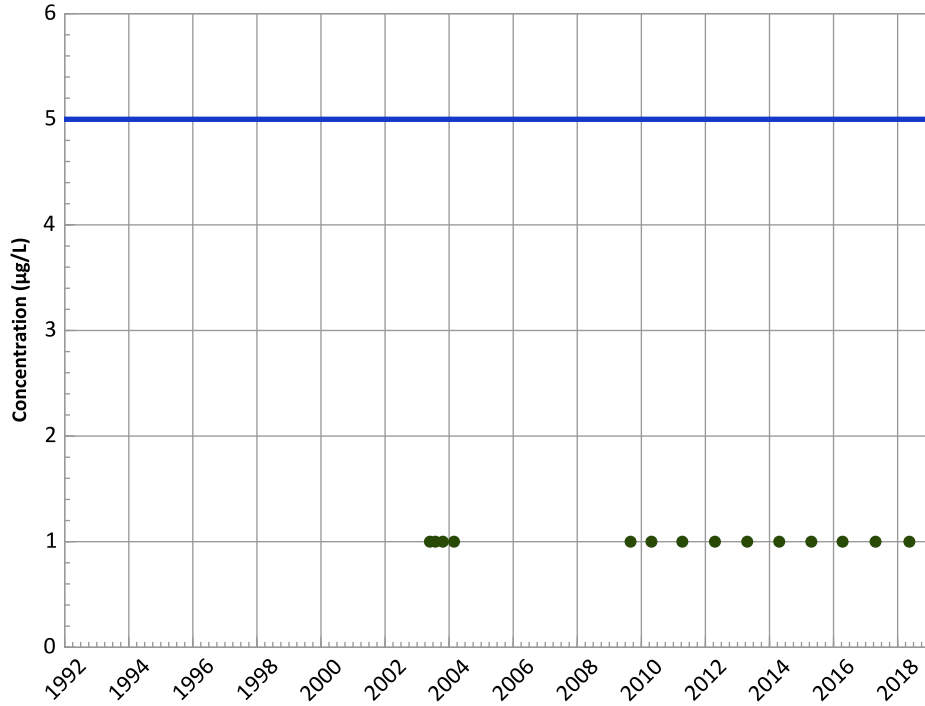
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

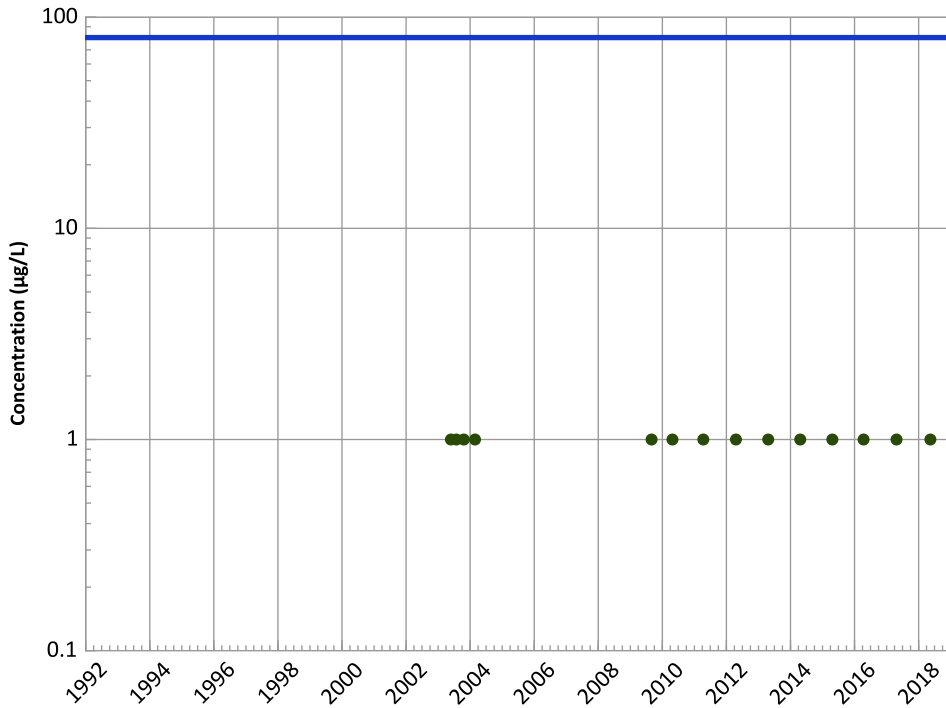
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

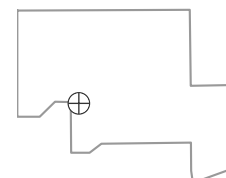
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

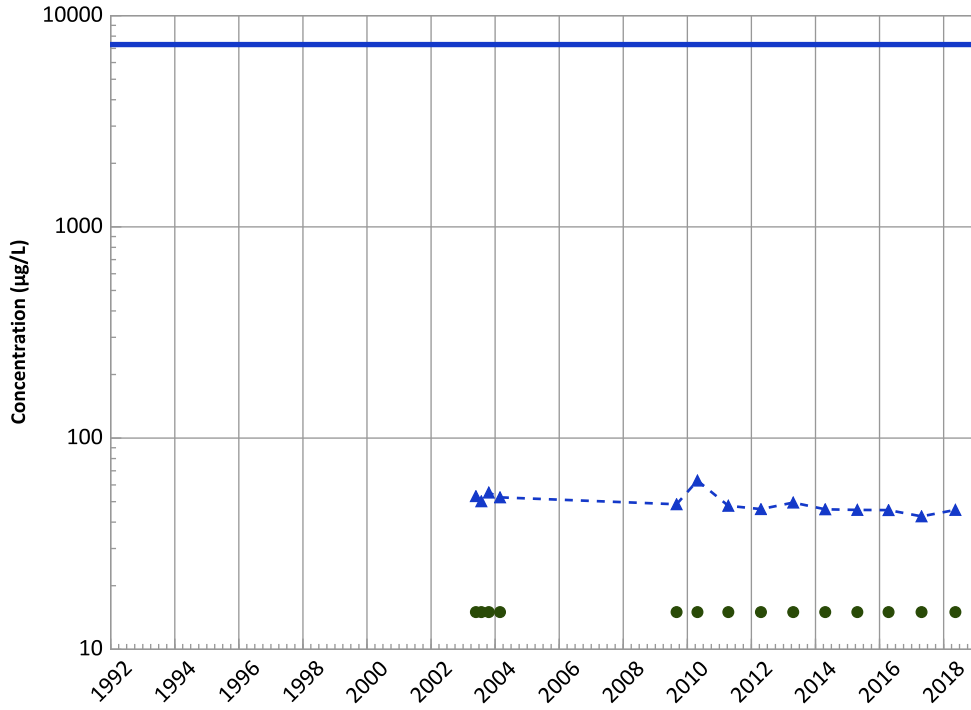


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1085 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

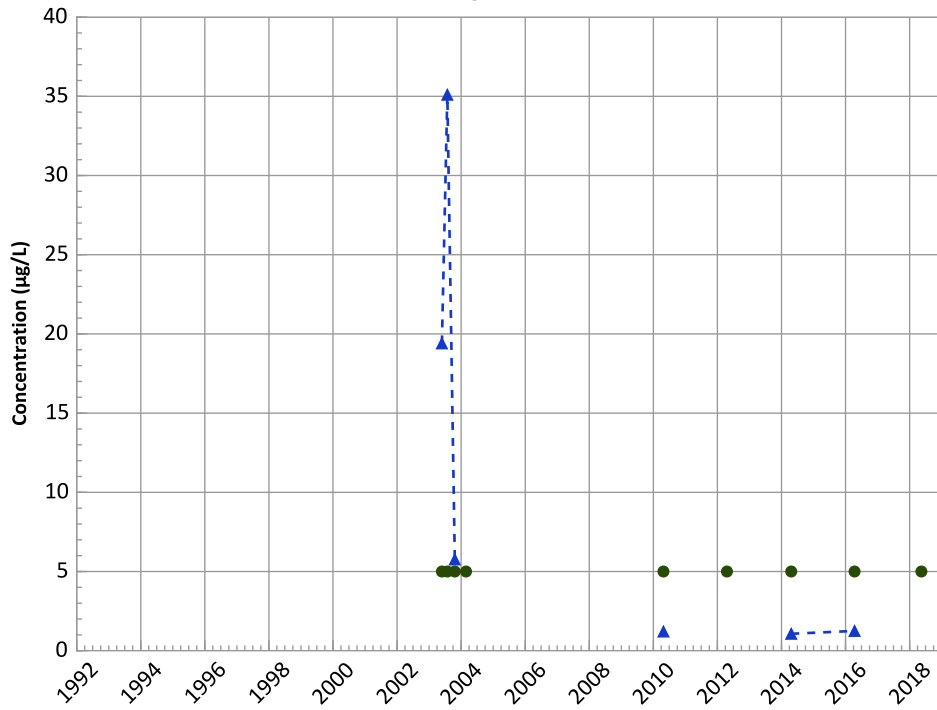
Data (2017 - 2021):

Stable

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

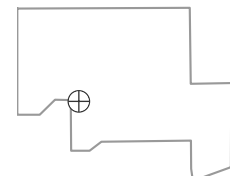
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

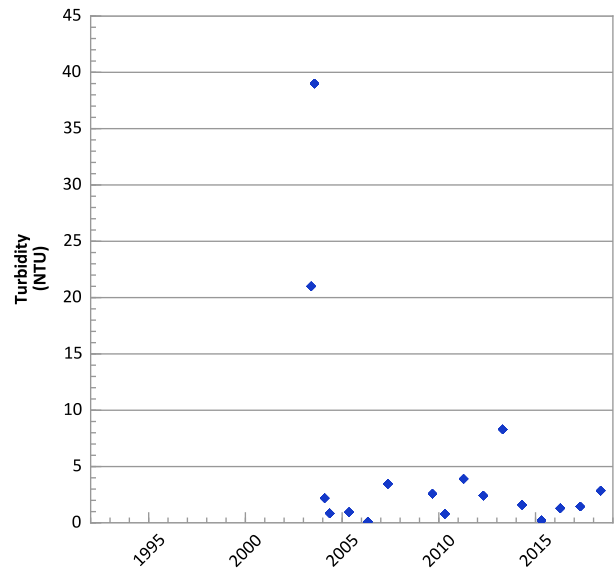
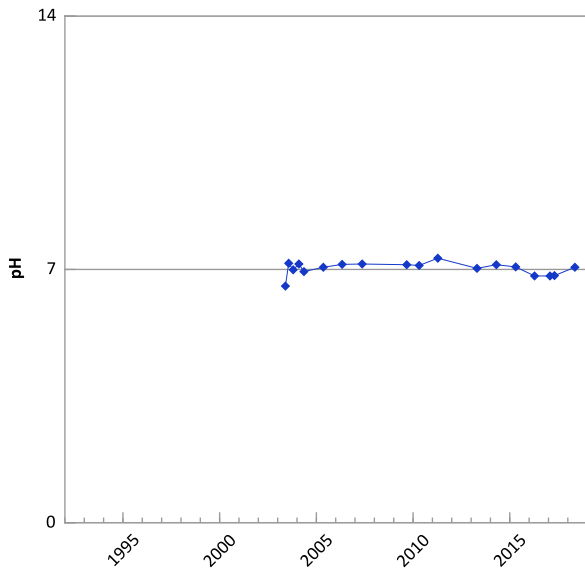
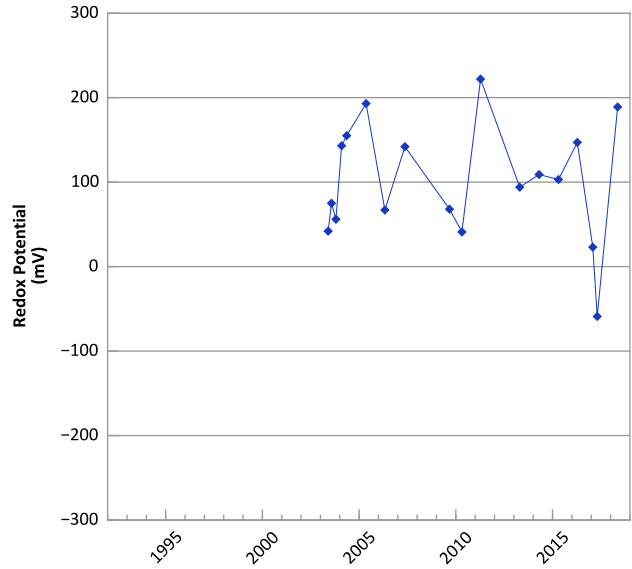
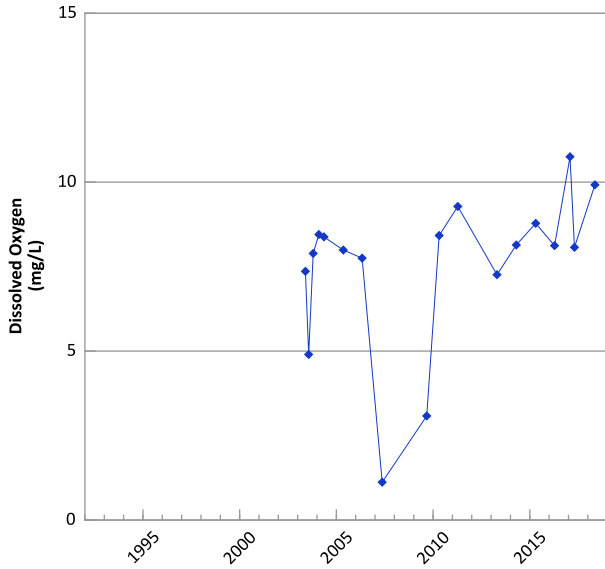
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

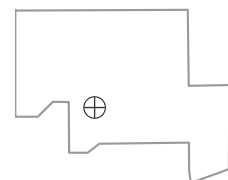
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



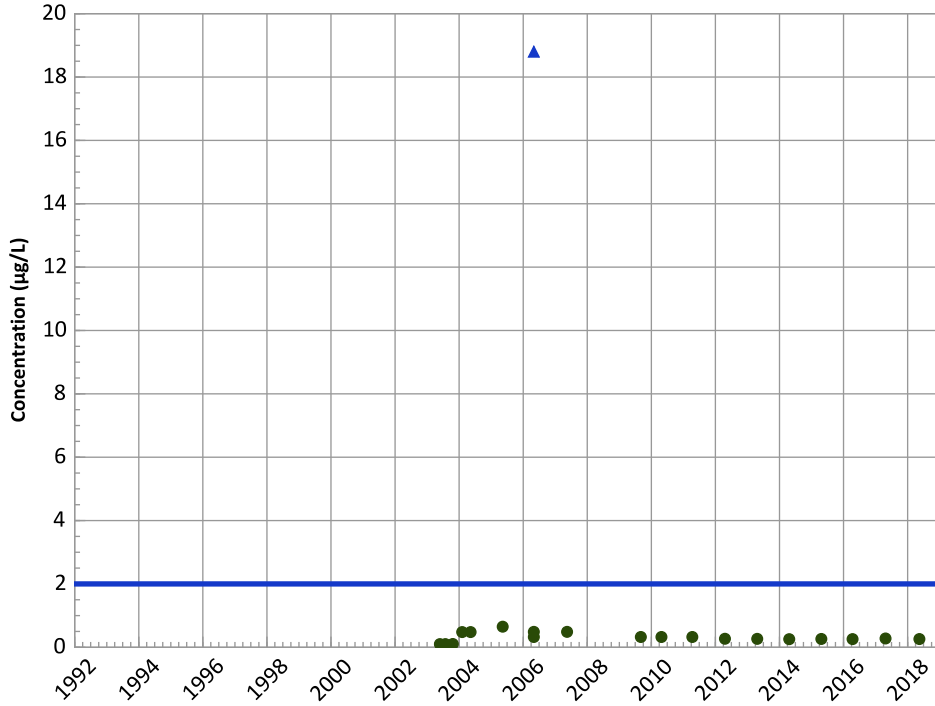
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 05/27/2003 to 05/15/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

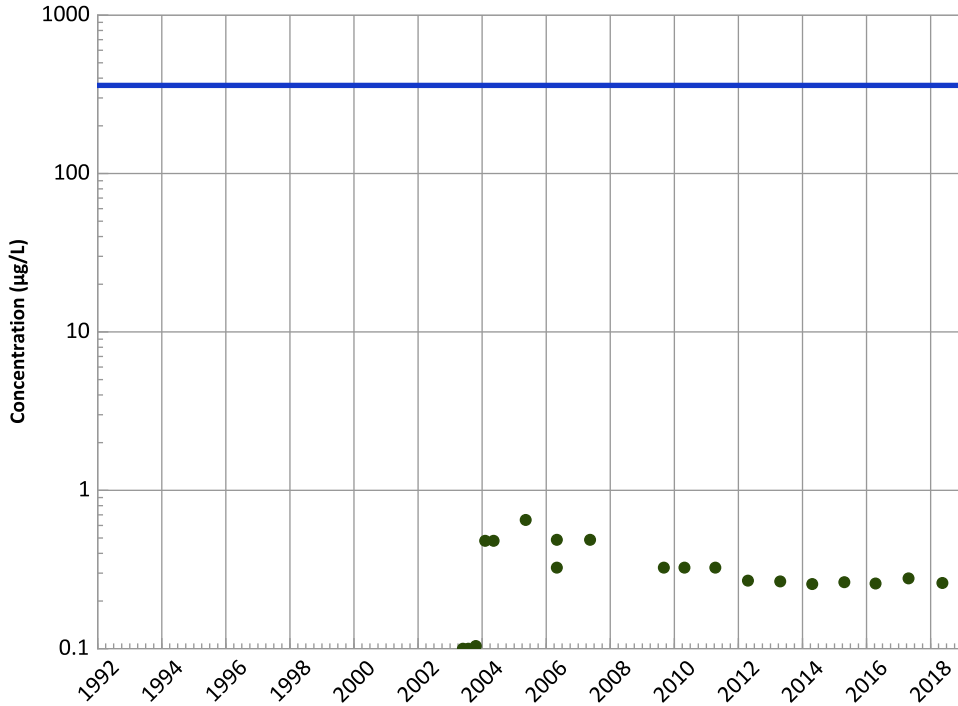
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All 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 (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

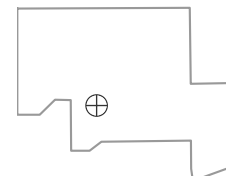
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

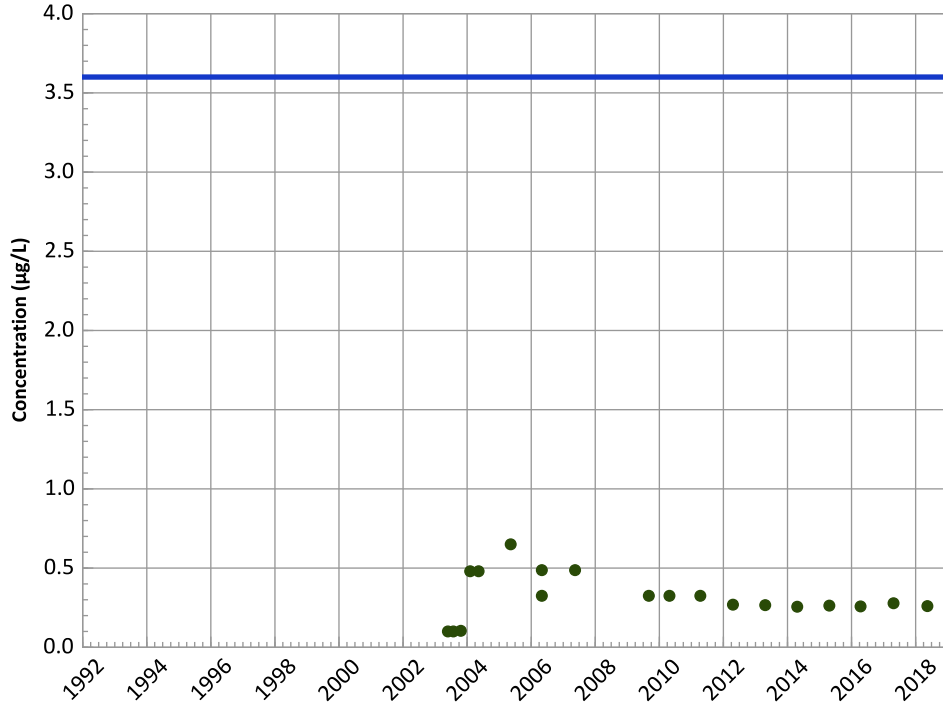
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

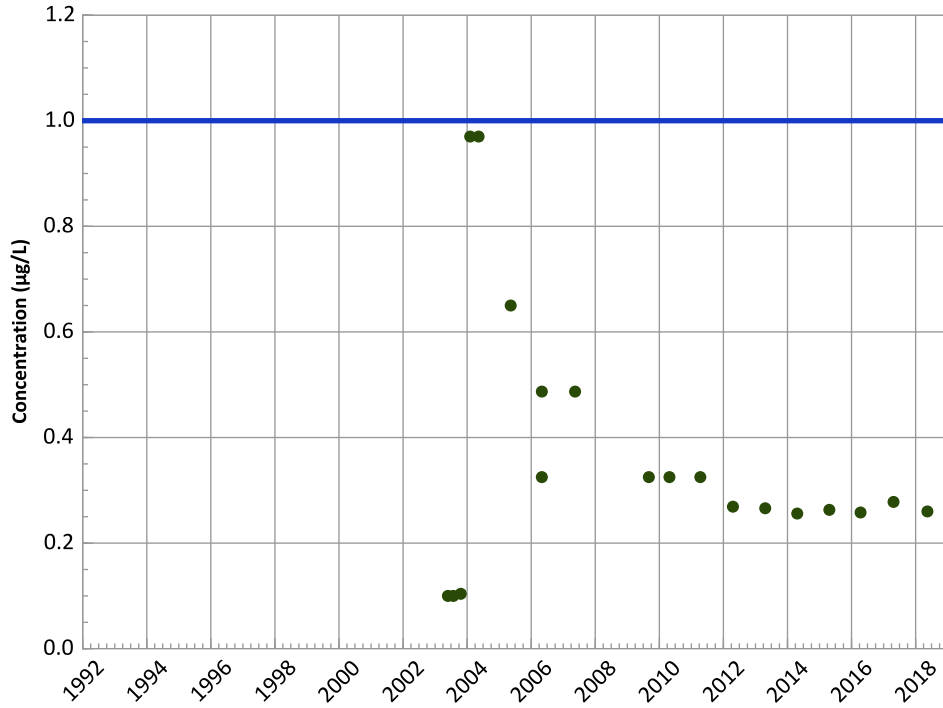
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

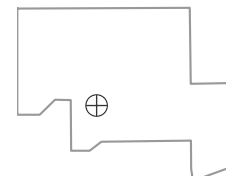
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

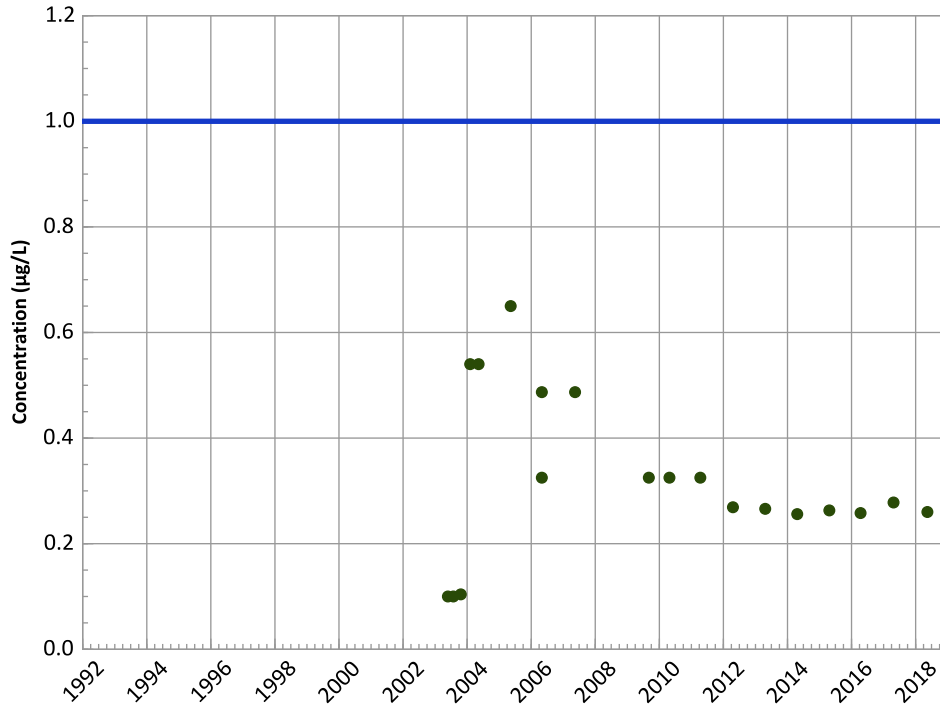
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

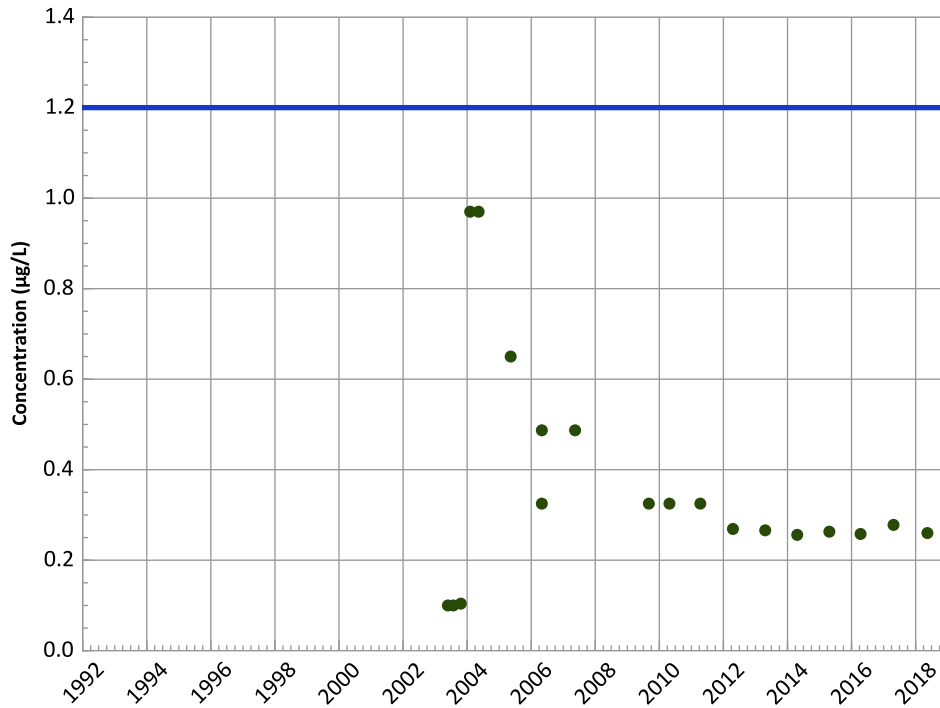
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

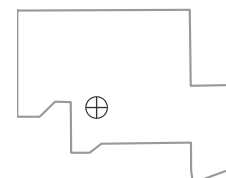
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

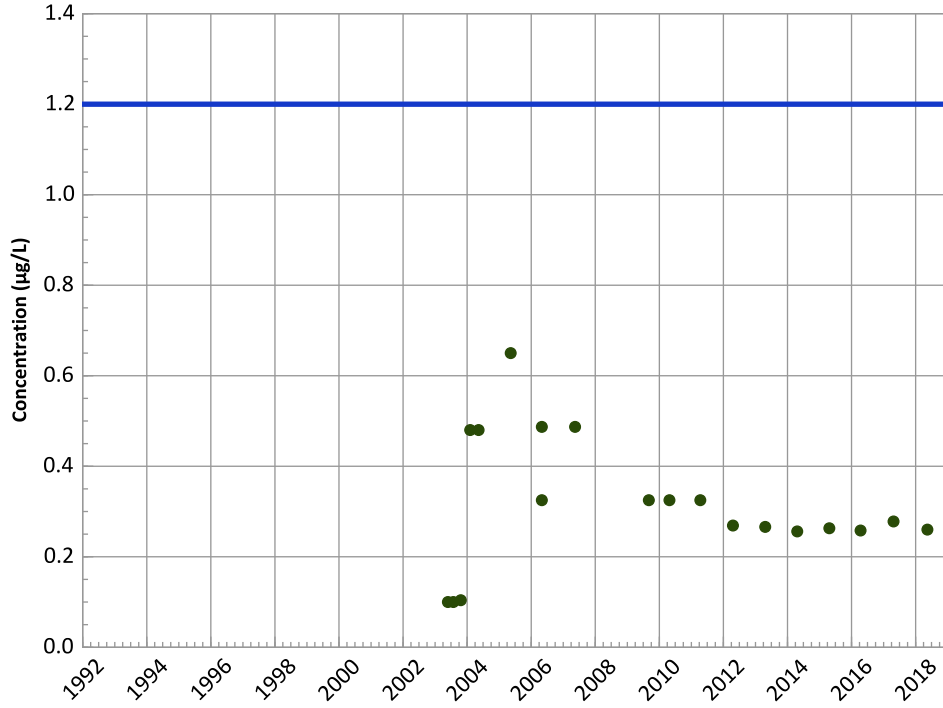


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

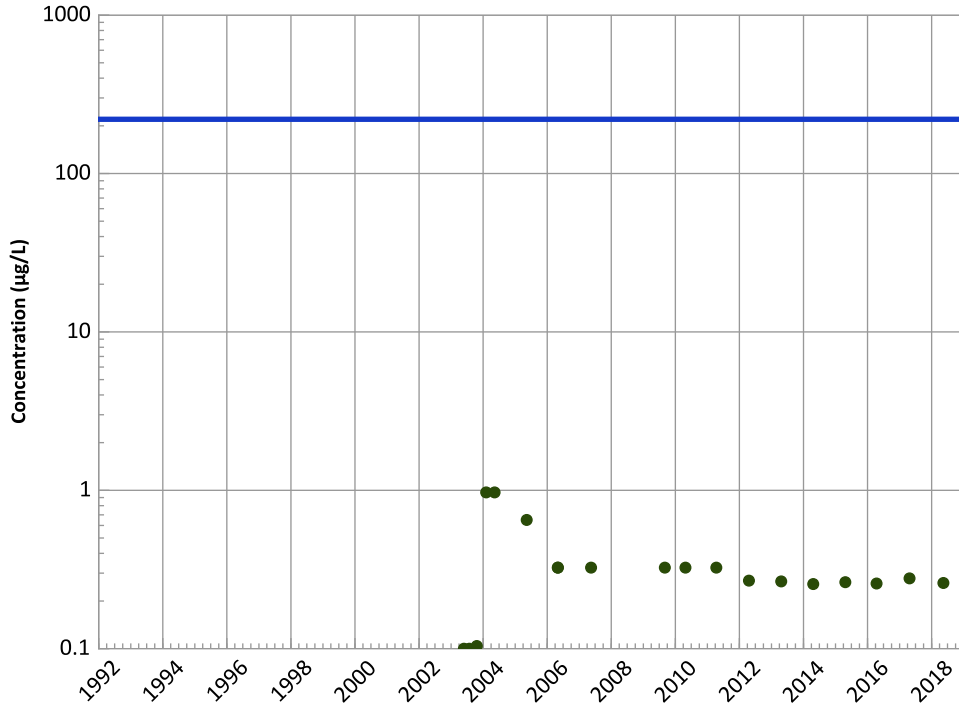
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

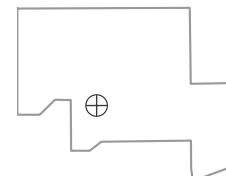
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

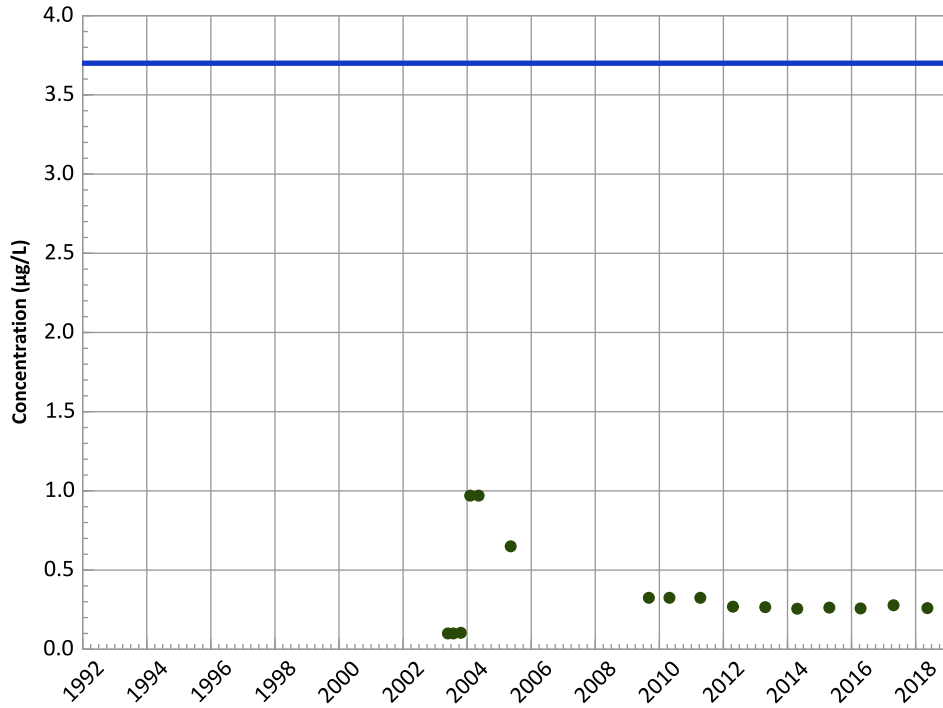
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

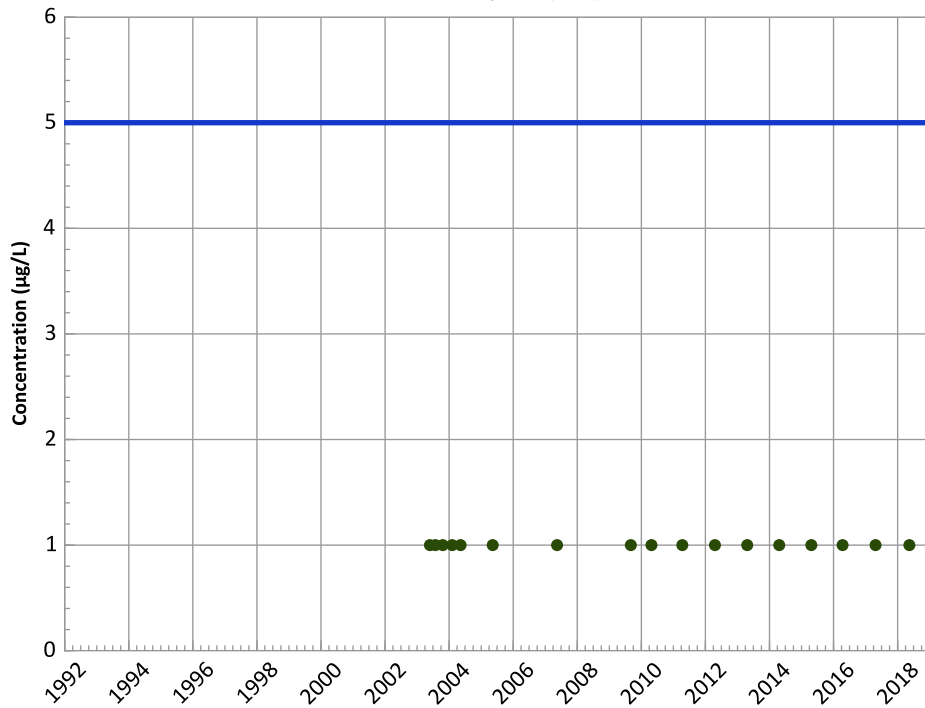
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

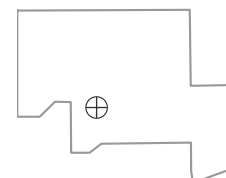
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

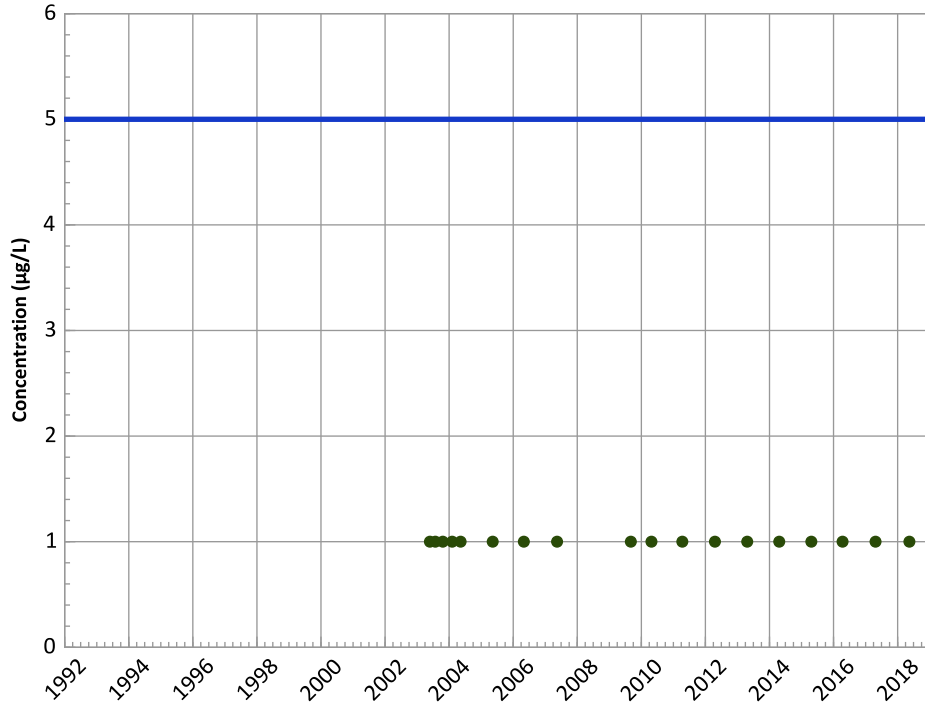


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

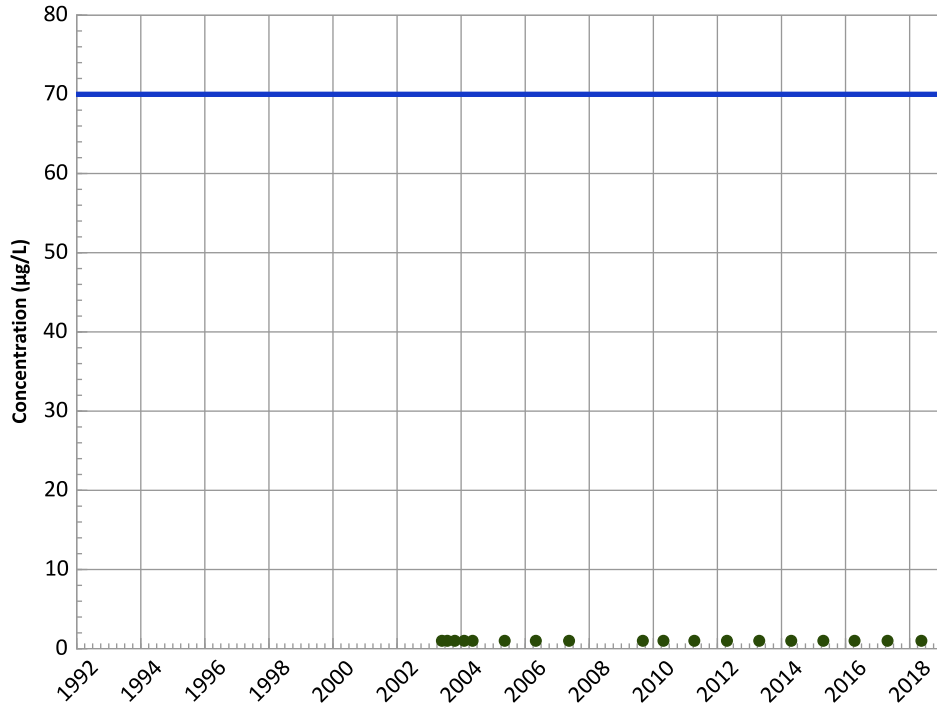
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

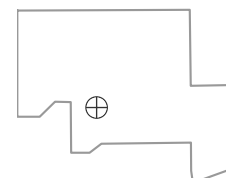
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

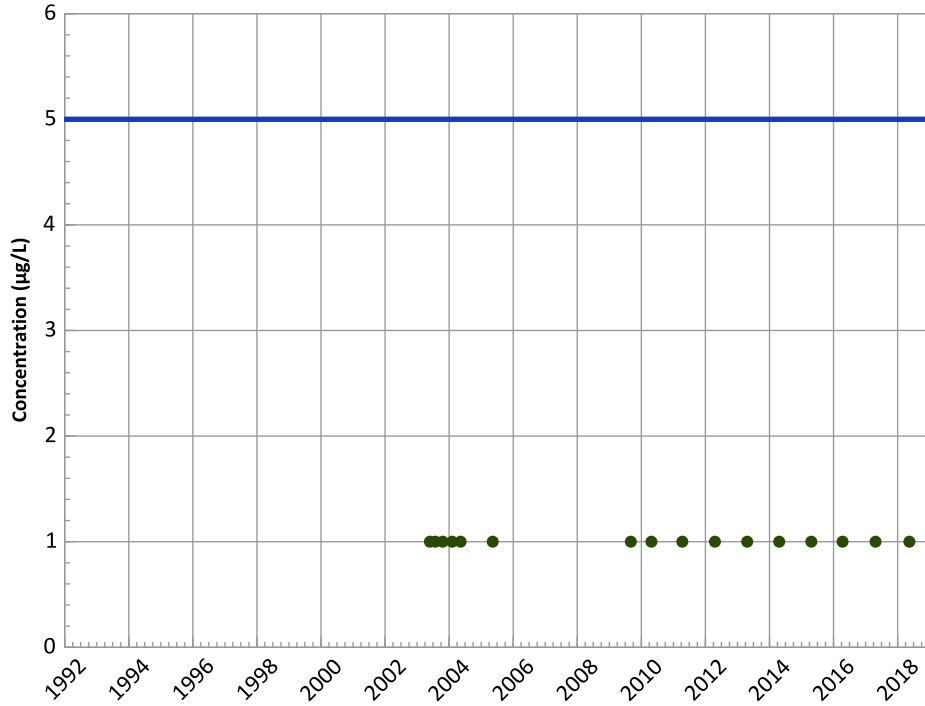
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

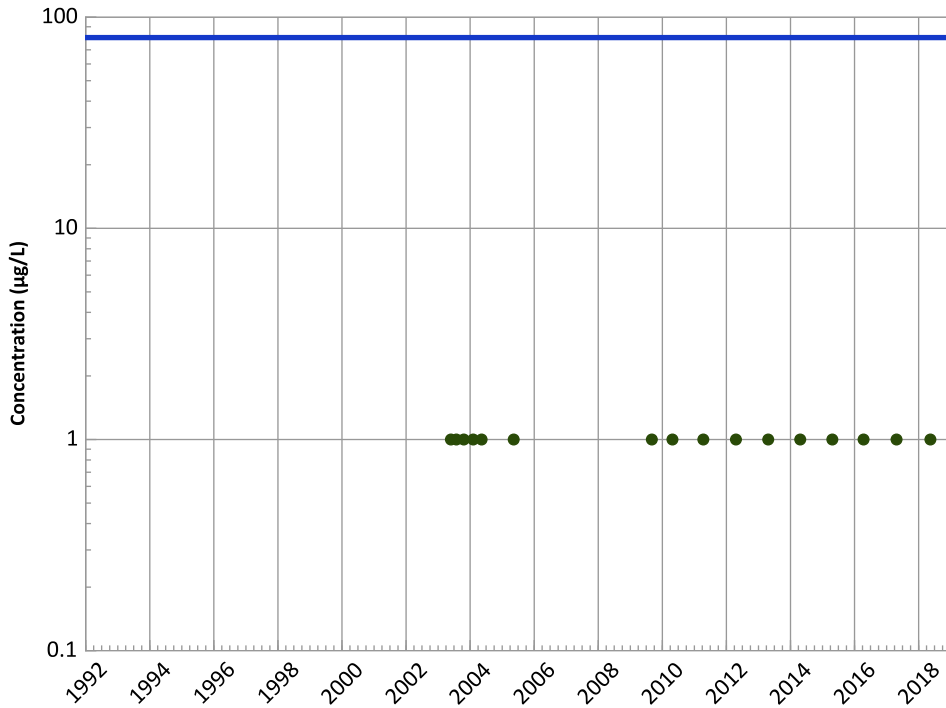
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

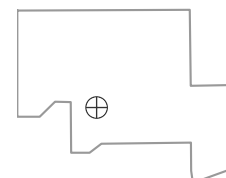
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

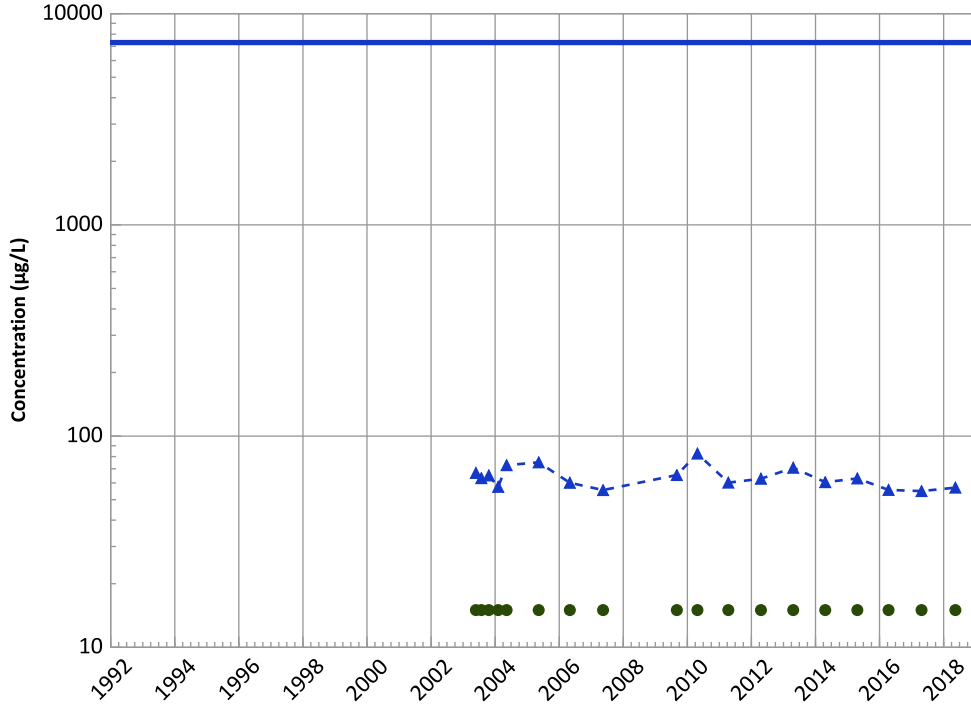


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1086 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

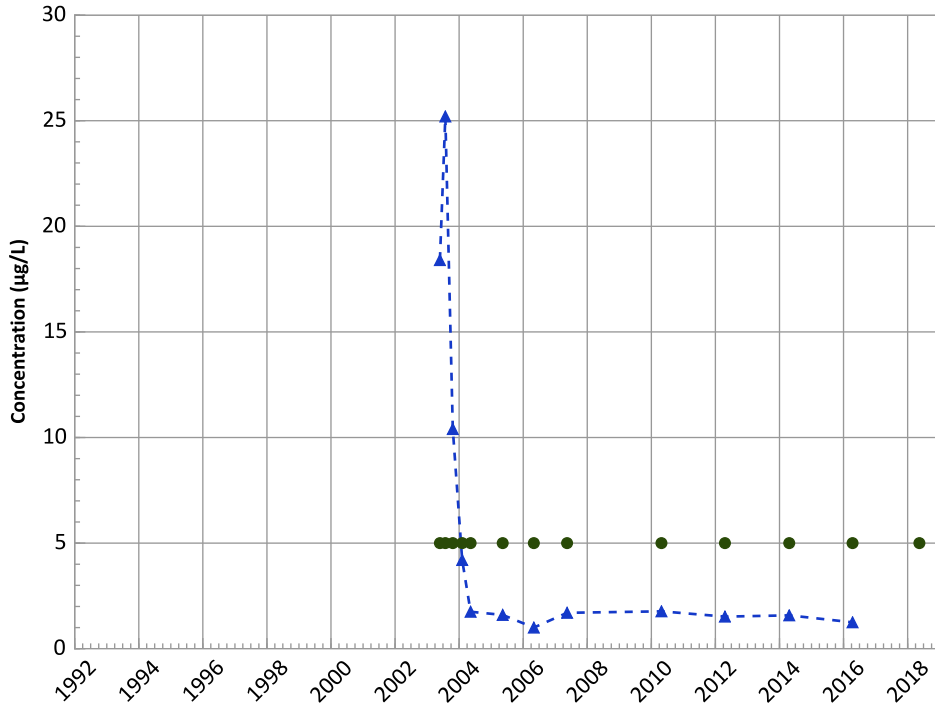
Data (2017 - 2021):

Stable

All Data:

Probably Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

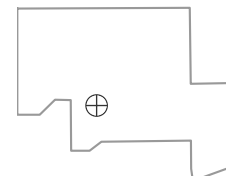
All Data:

Decreasing

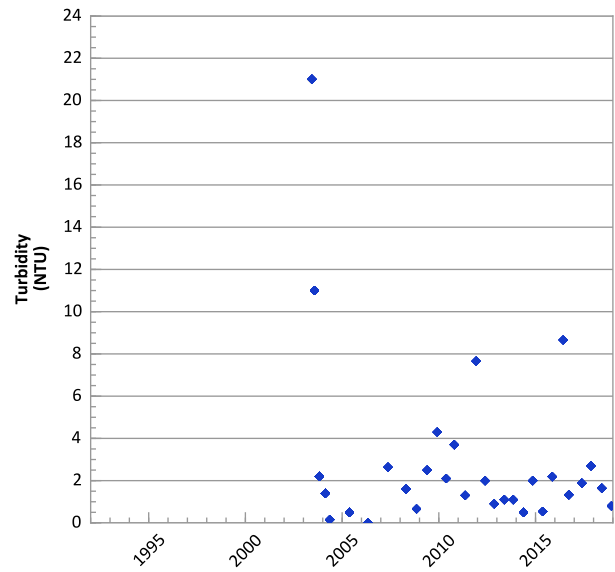
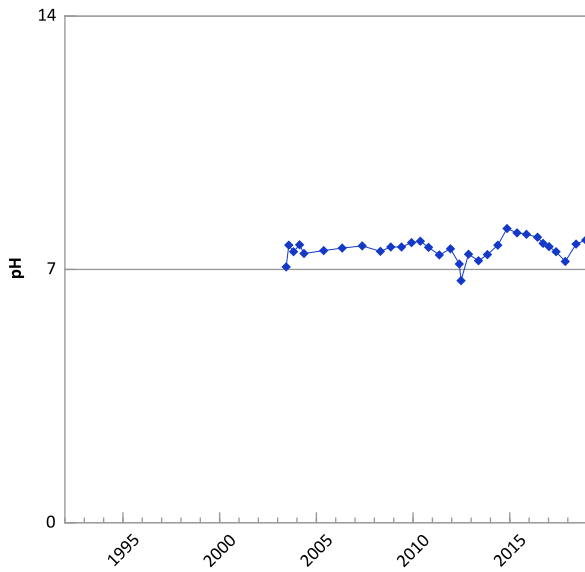
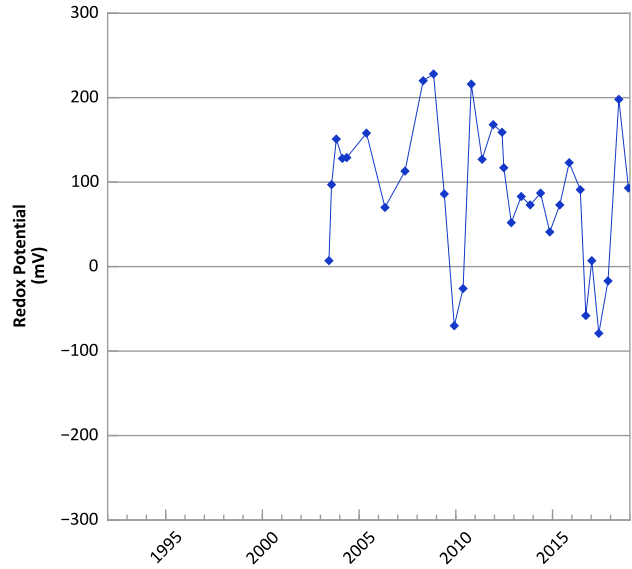
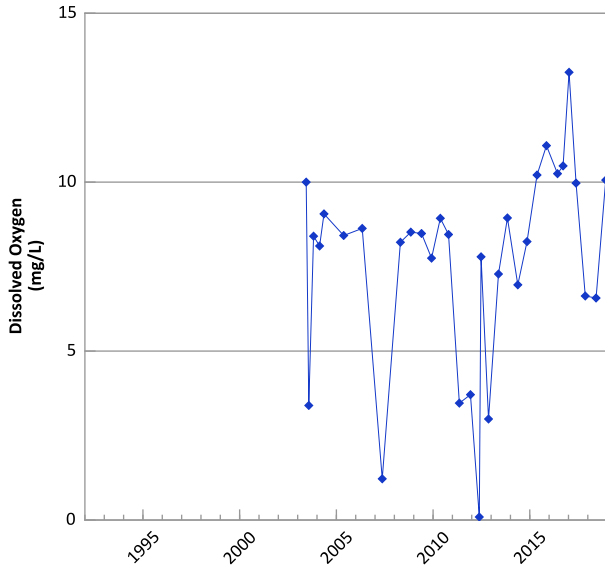
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/27/2003 to 05/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

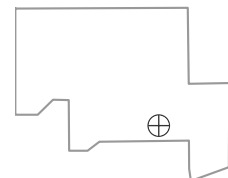


**PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



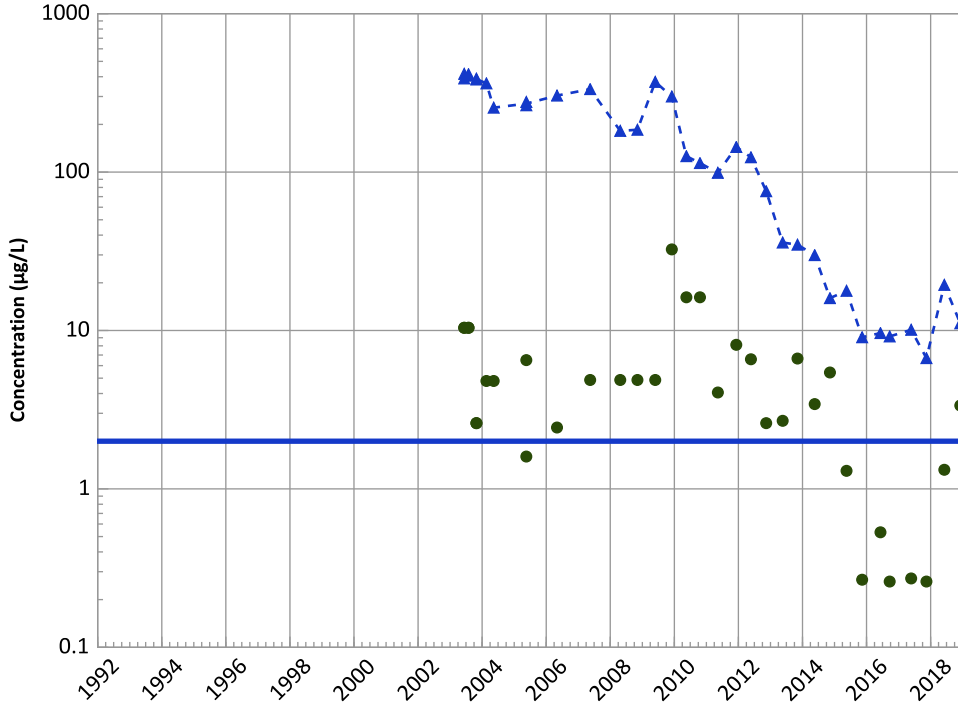
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/11/2003 to 12/05/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

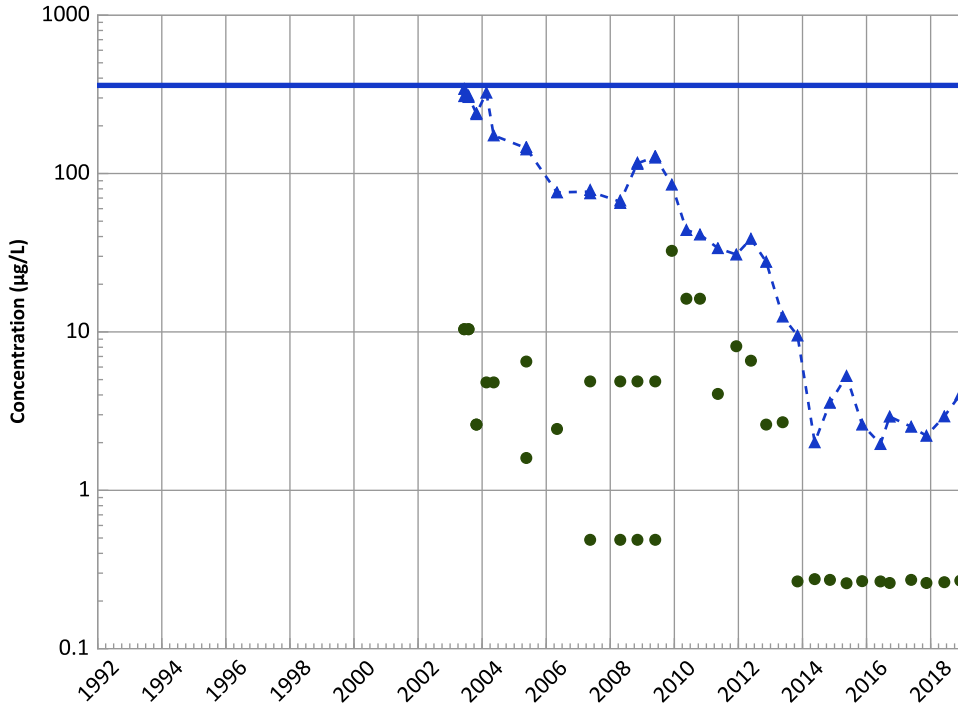


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

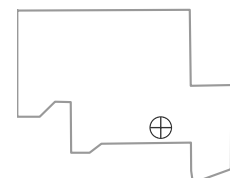


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

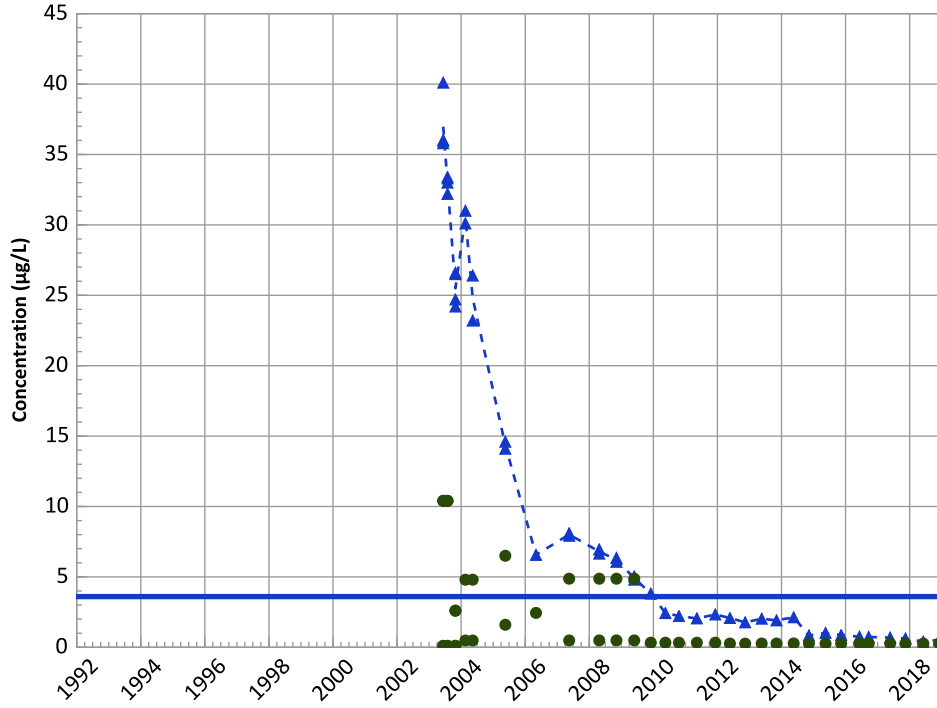


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

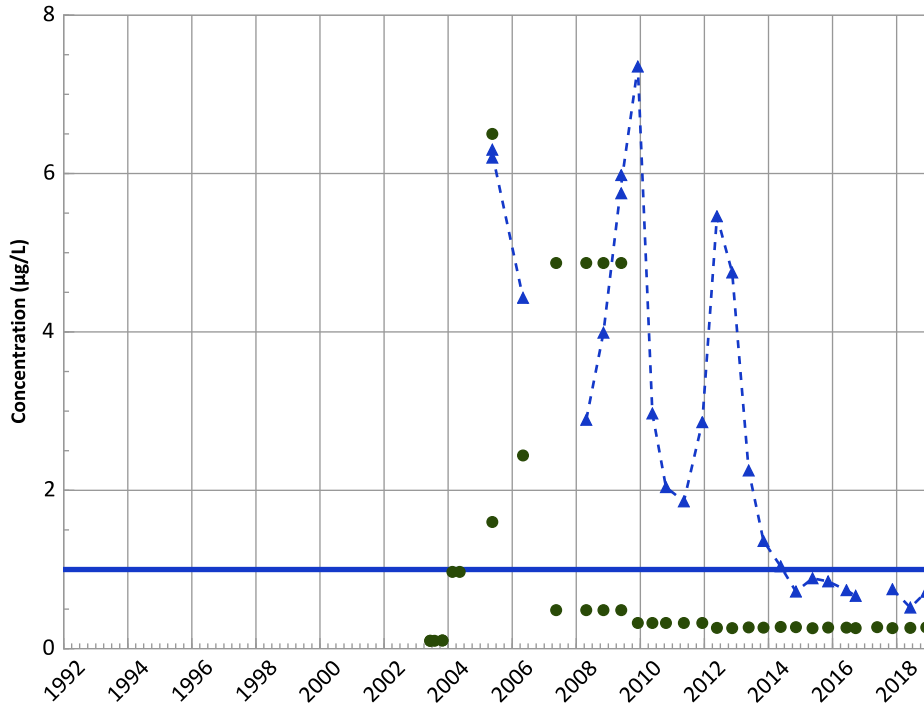
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

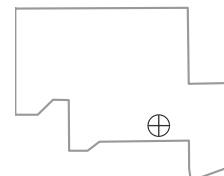
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

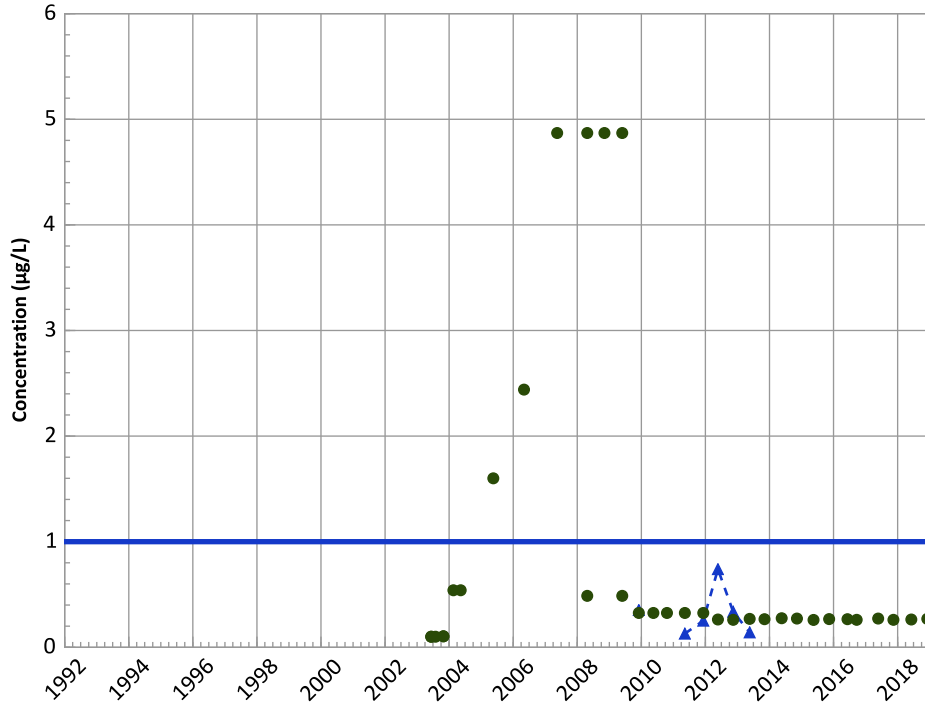
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

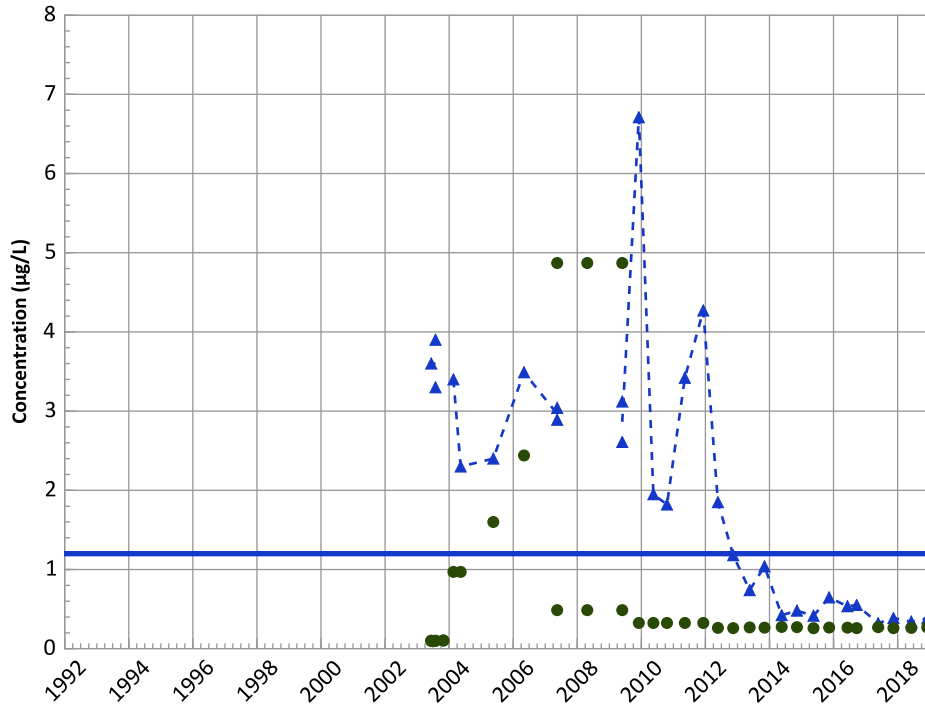


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

2-Amino-4,6-Dinitrotoluene Trend

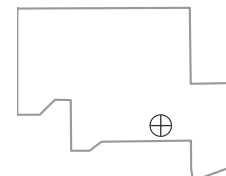


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

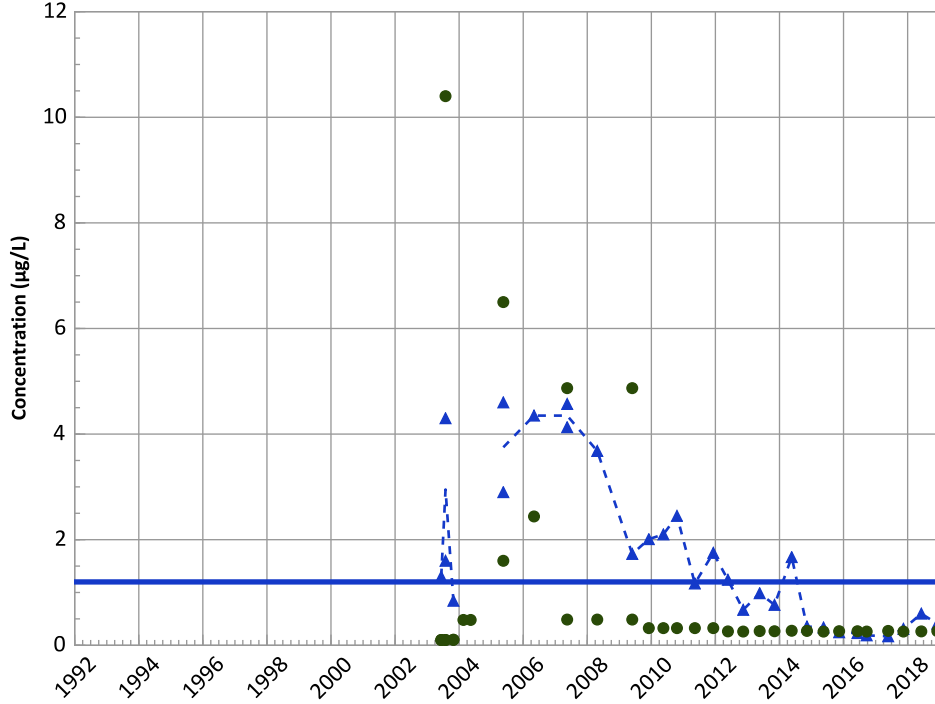


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

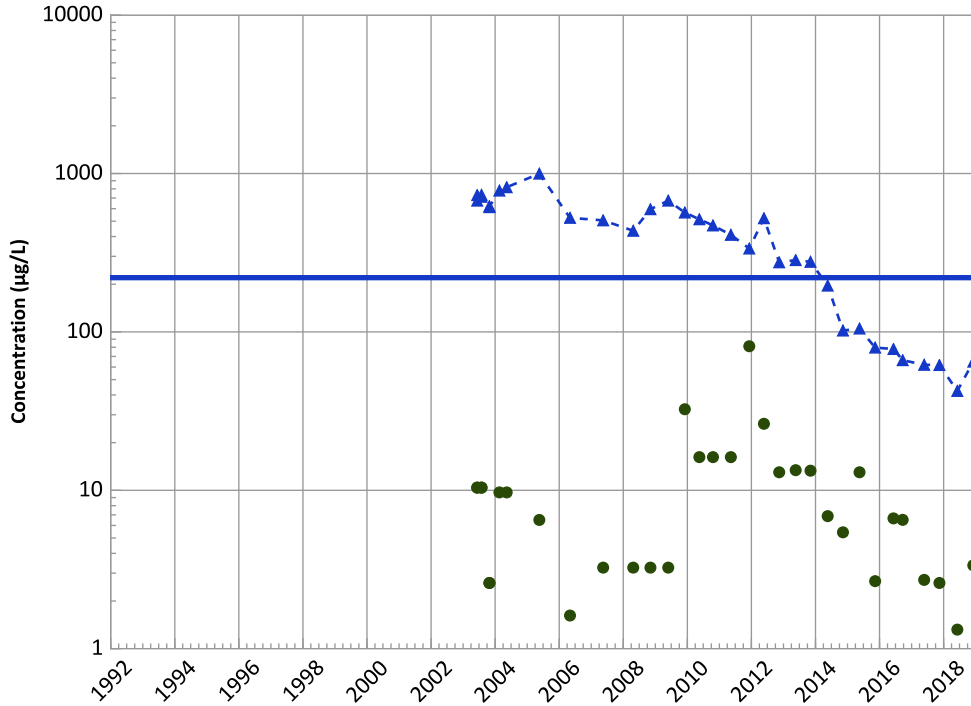
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

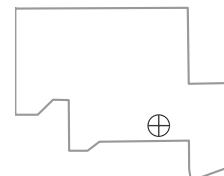
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

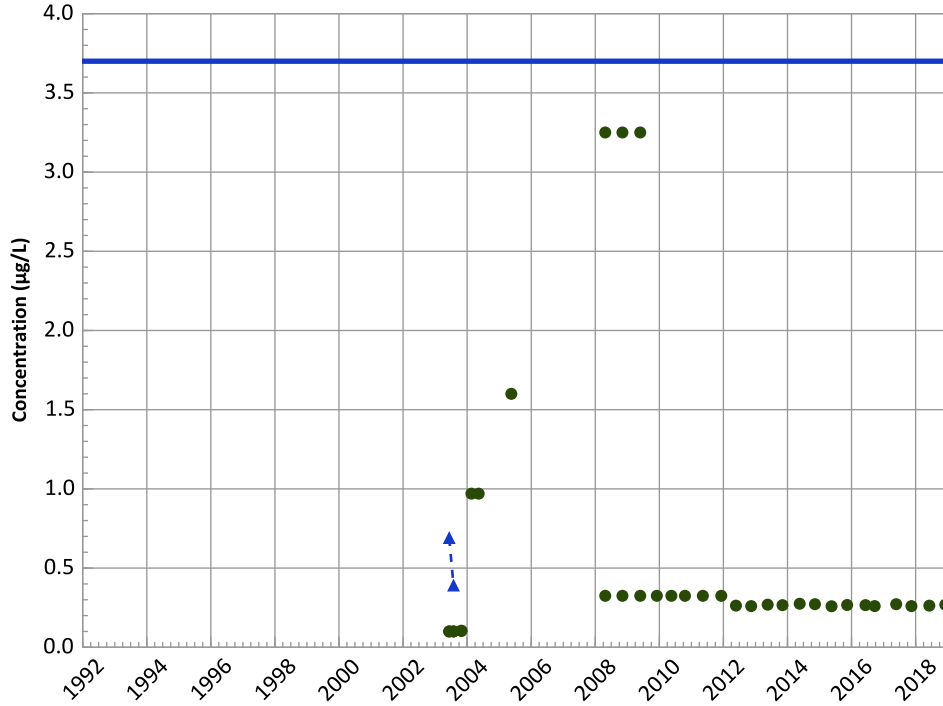
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

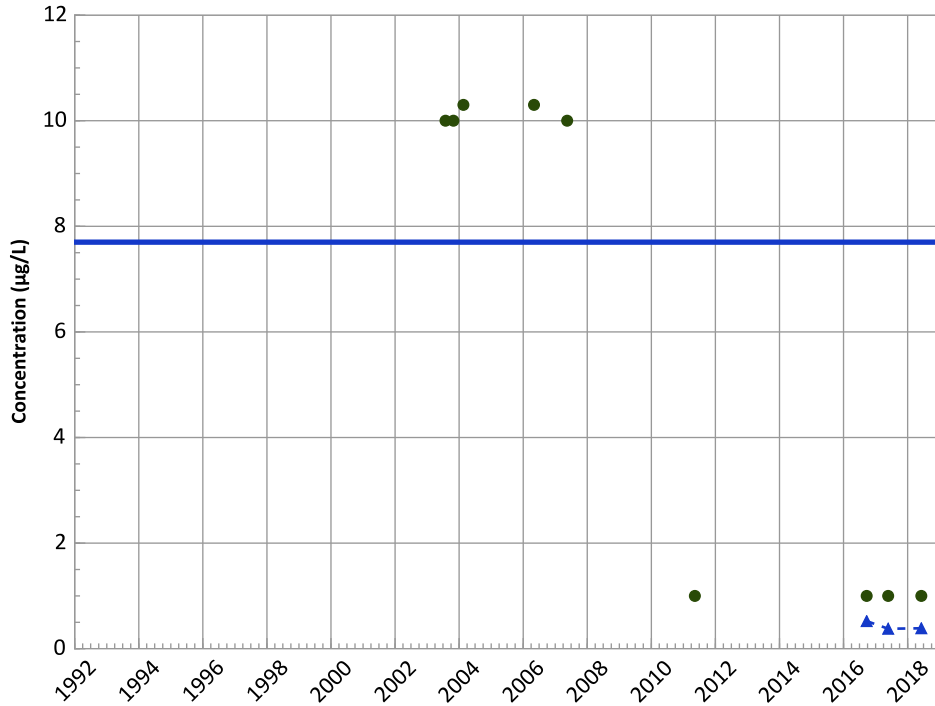


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

1,4-Dioxane (p-Dioxane) Trend

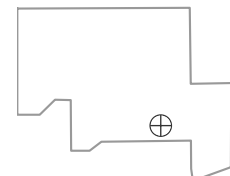


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

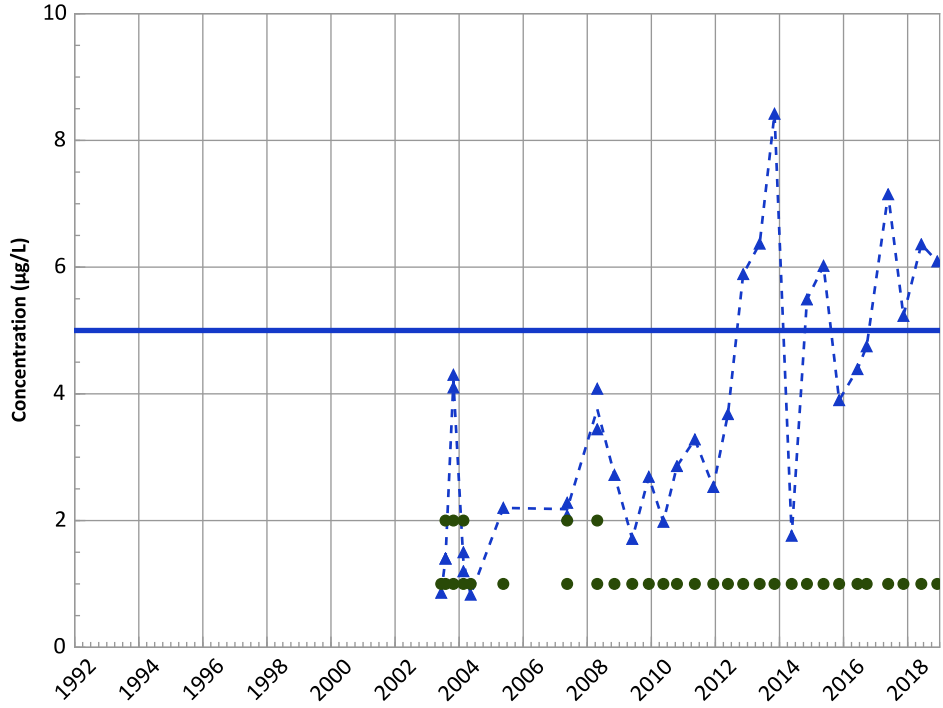
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

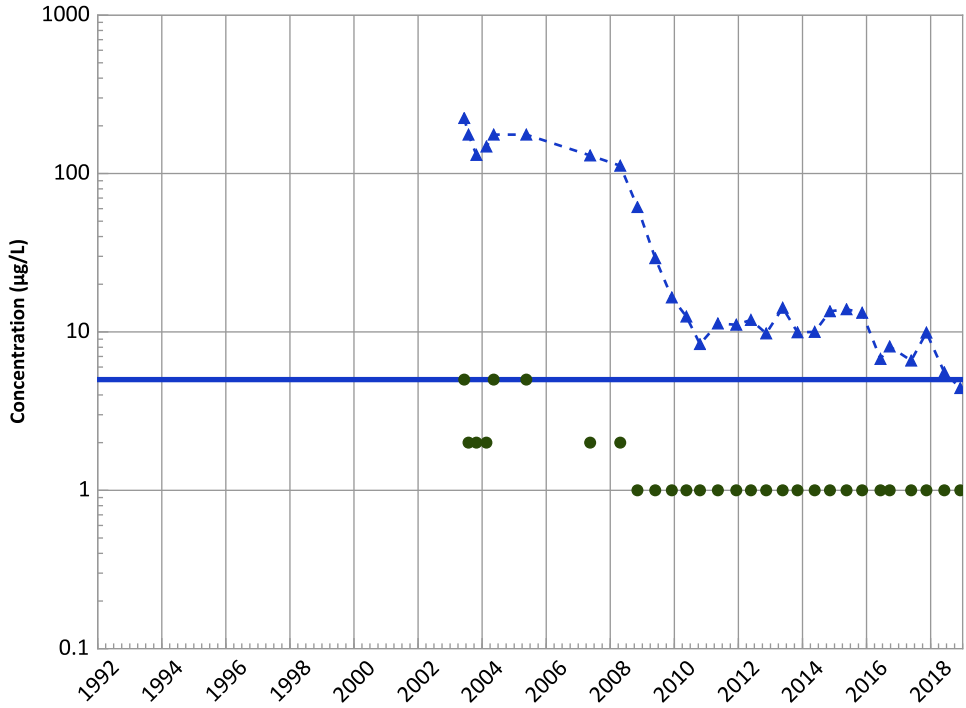
Data (2017 - 2021):

Stable

All Data:

Increasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

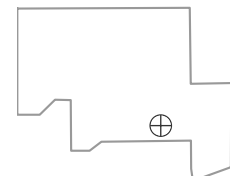
Data (2017 - 2021):

Stable

All Data:

Decreasing

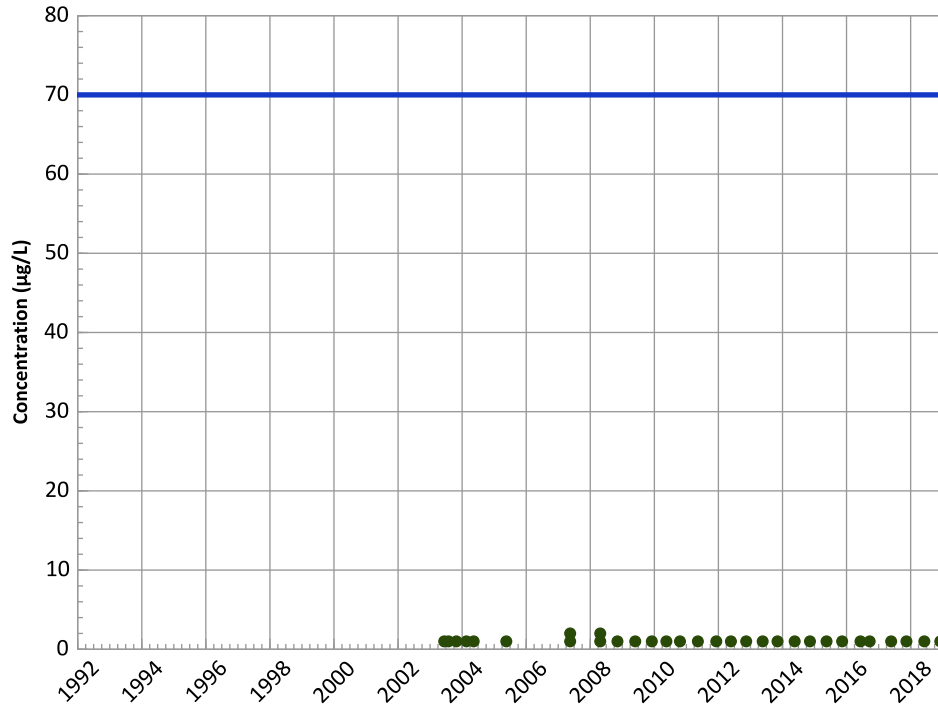
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

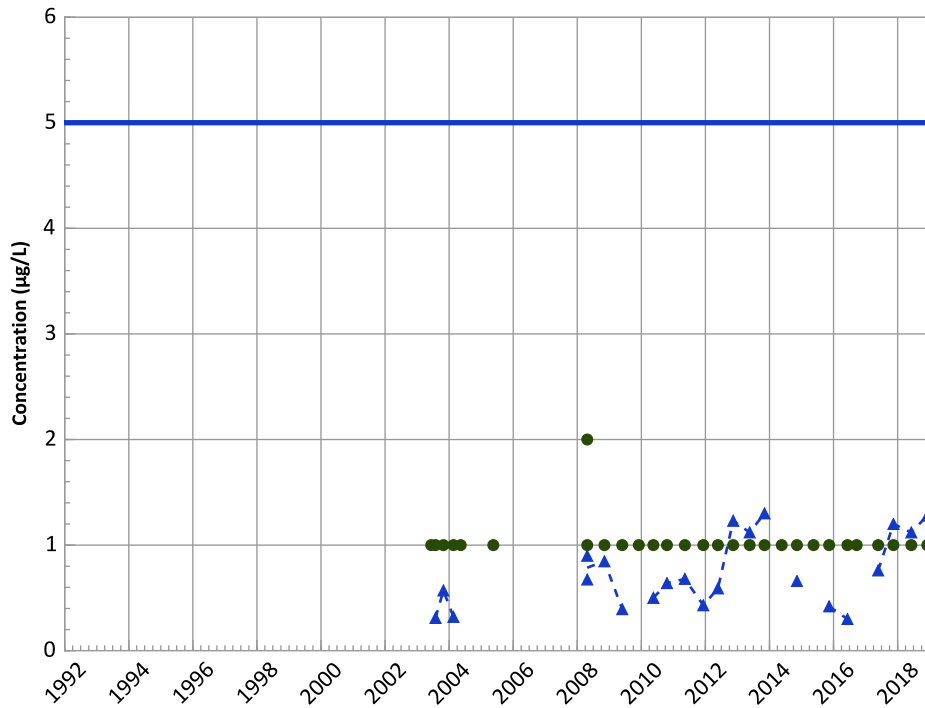


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

1,2-Dichloroethane Trend

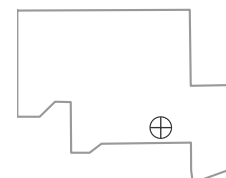


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

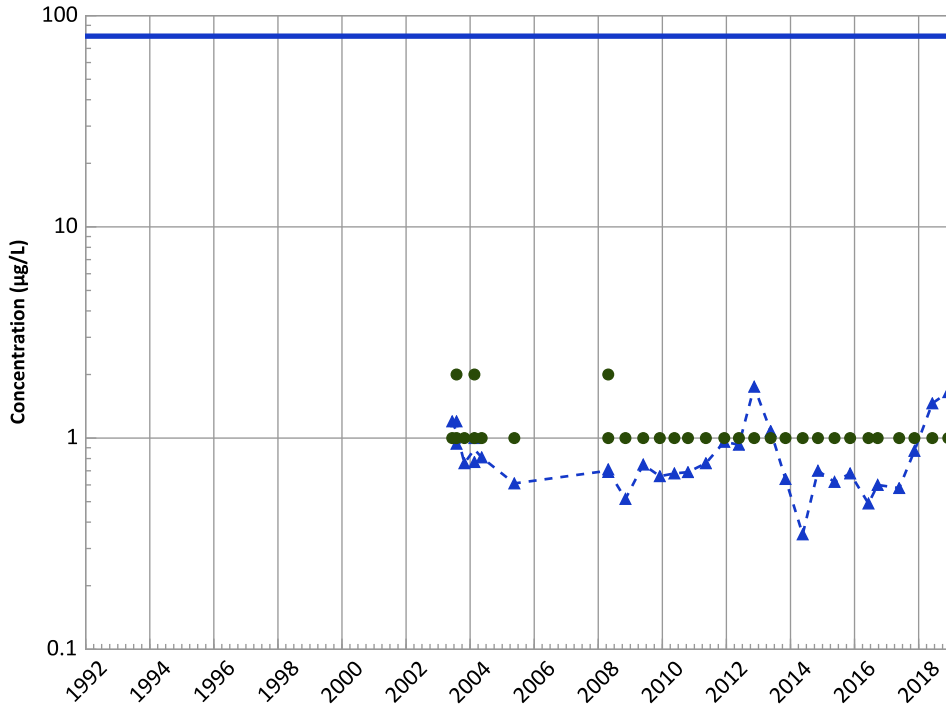
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

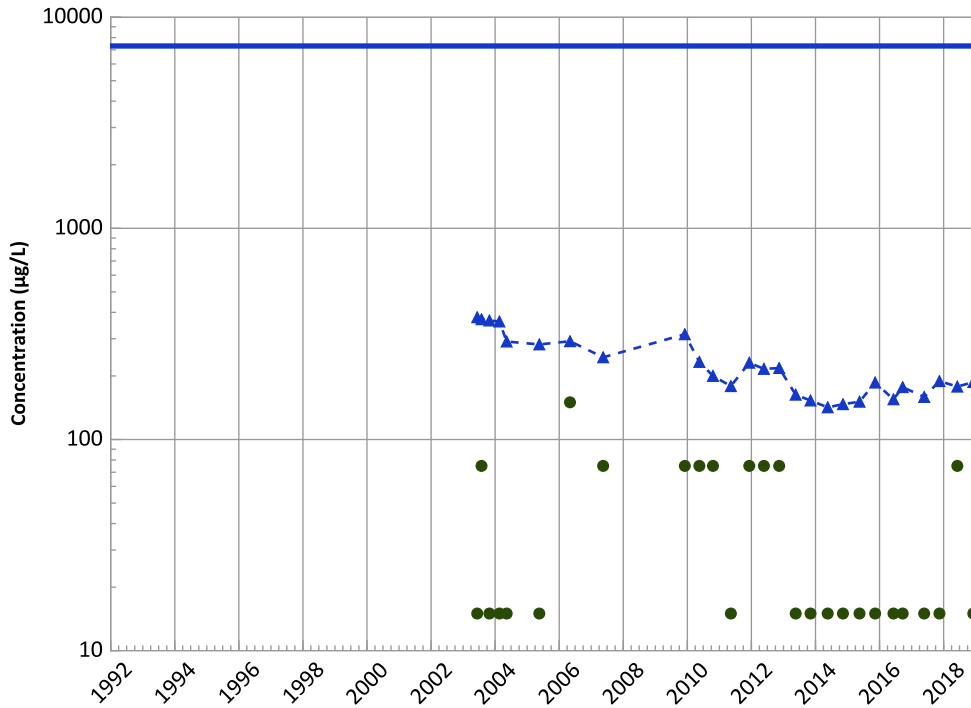
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

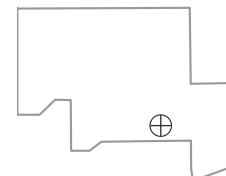
Data (2017 - 2021):

Stable

All Data:

Decreasing

Well Location

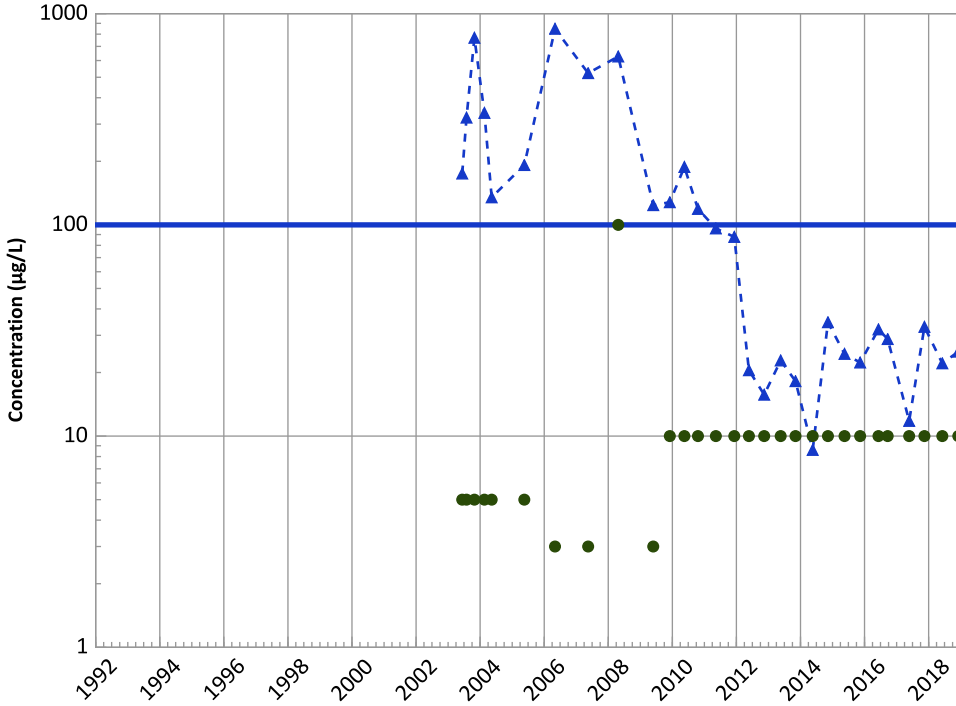


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

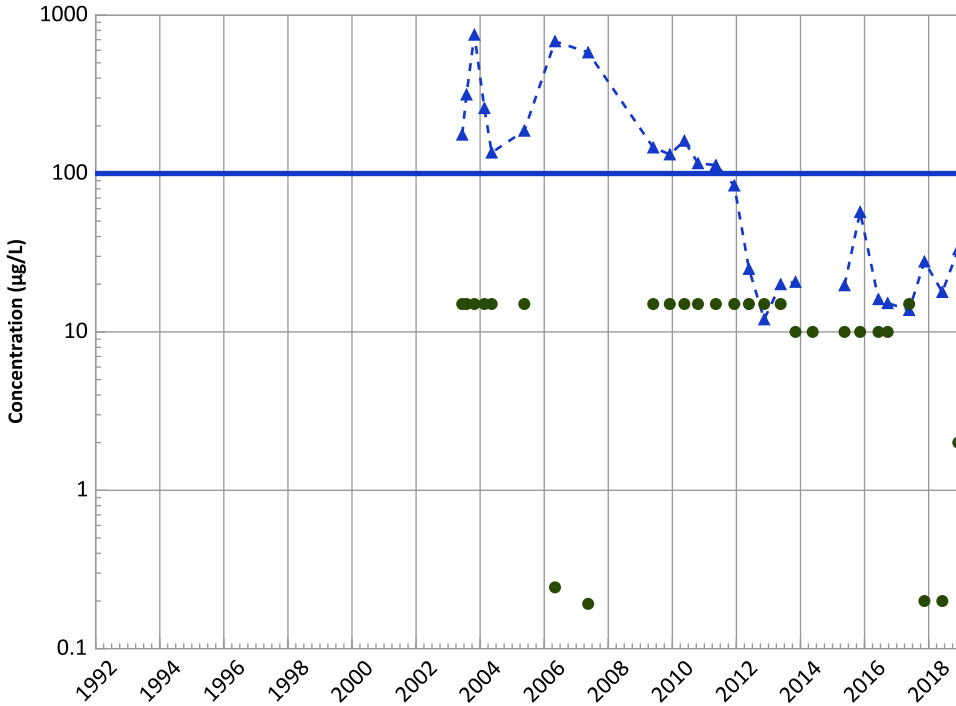
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

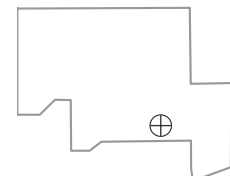
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Well Location

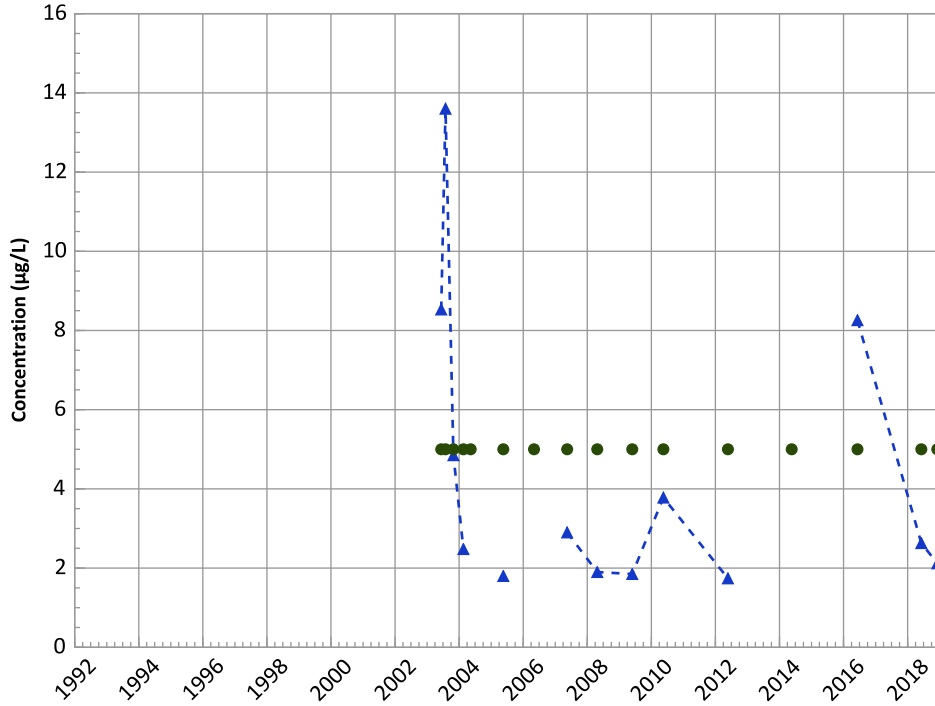


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend

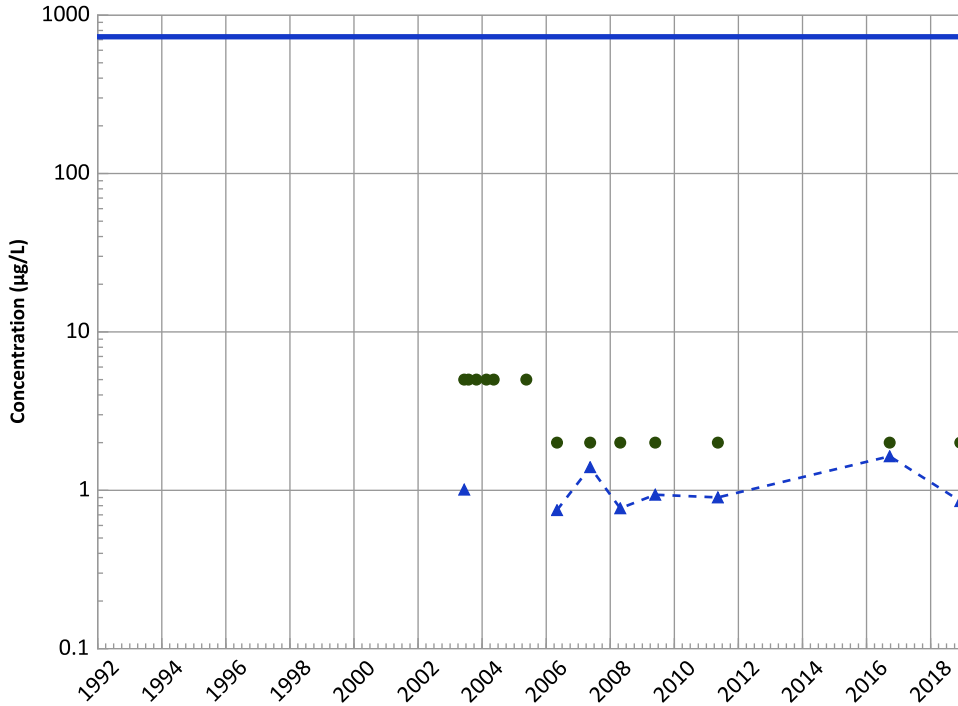


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Nickel Trend

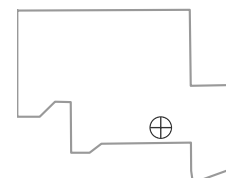


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Well Location

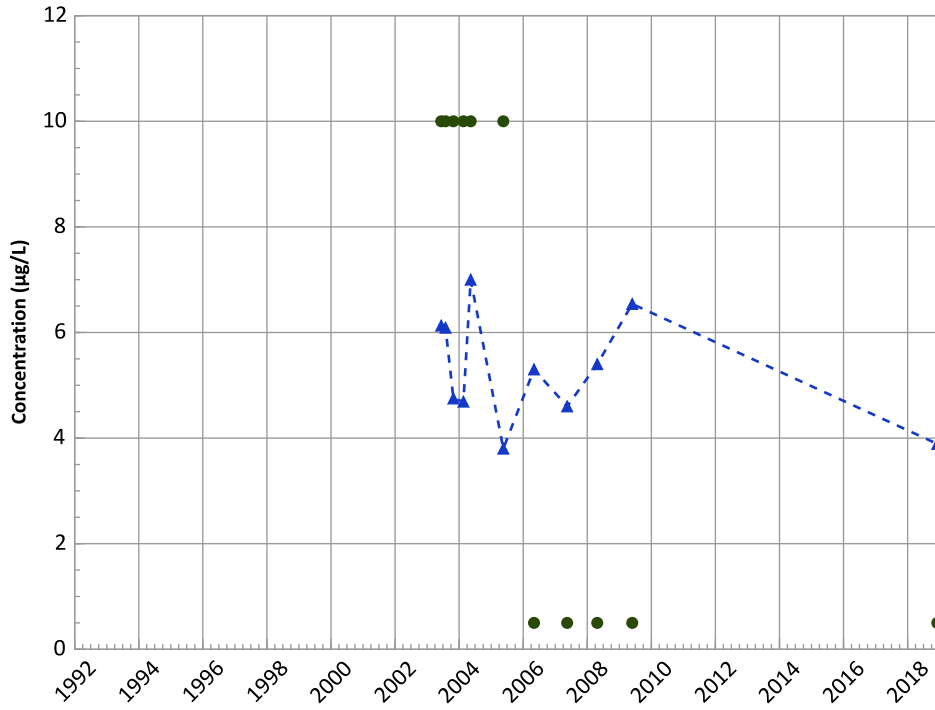


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1088 in Perched Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

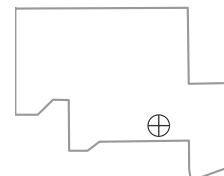
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Stable

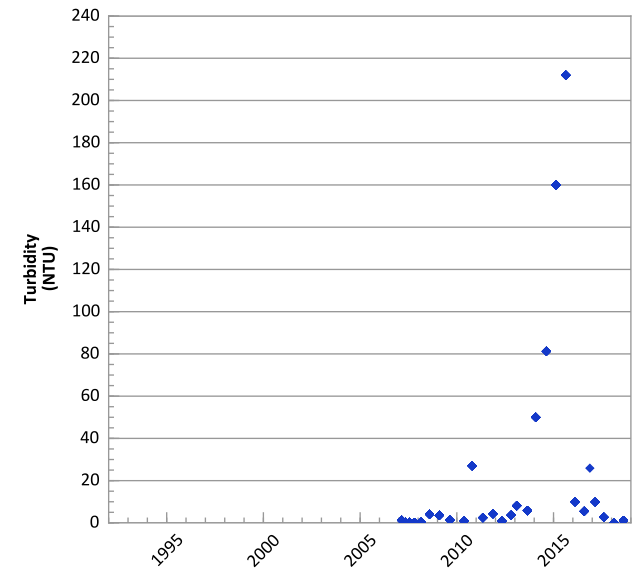
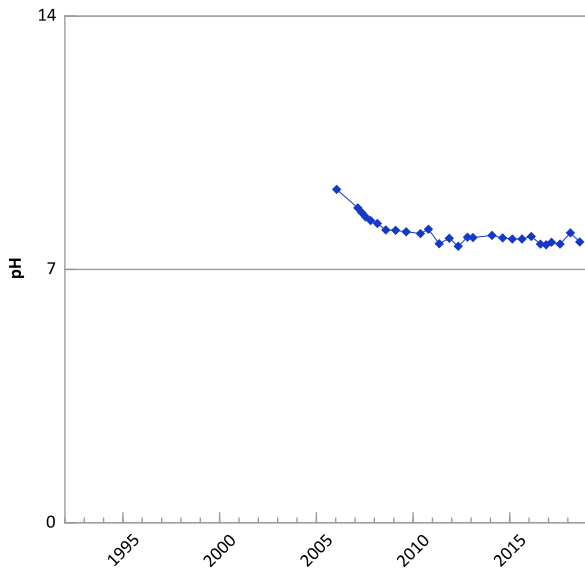
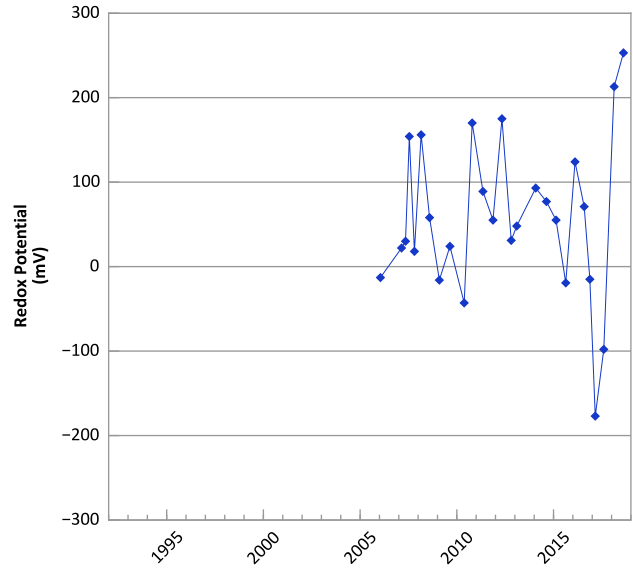
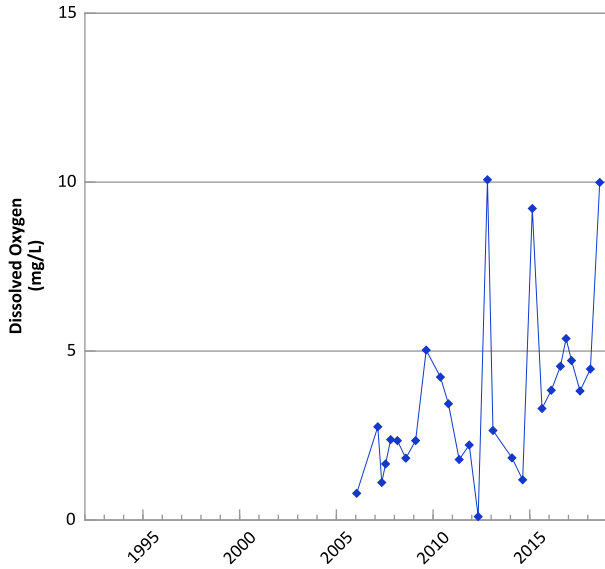
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/11/2003 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

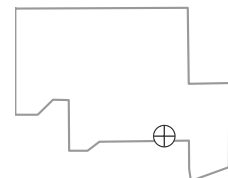


**PTX06-1095A in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



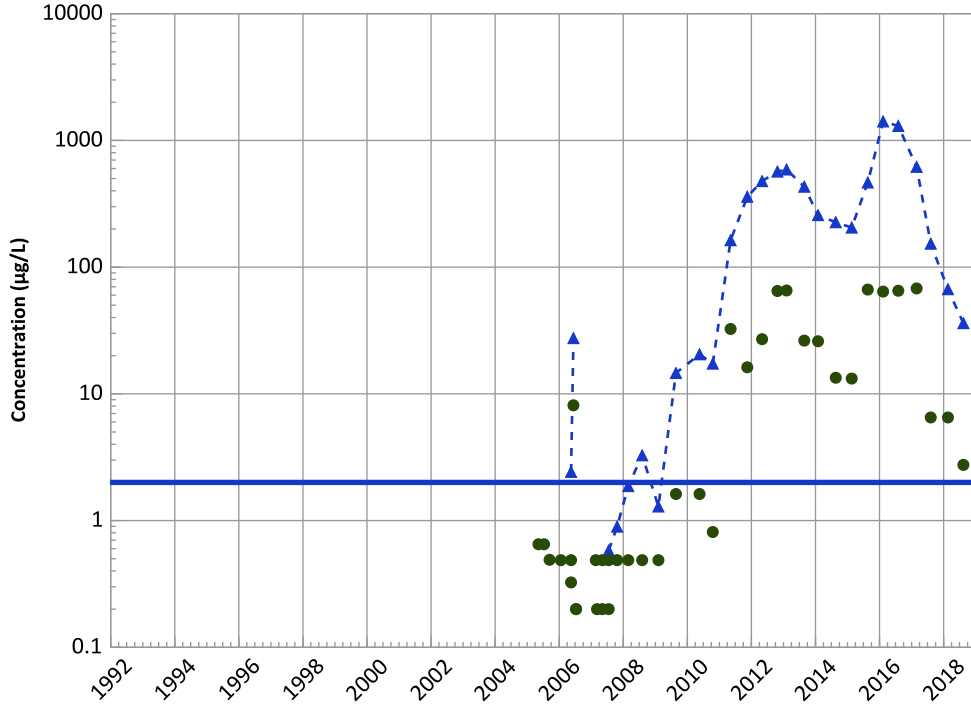
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 05/09/2005 to 08/14/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

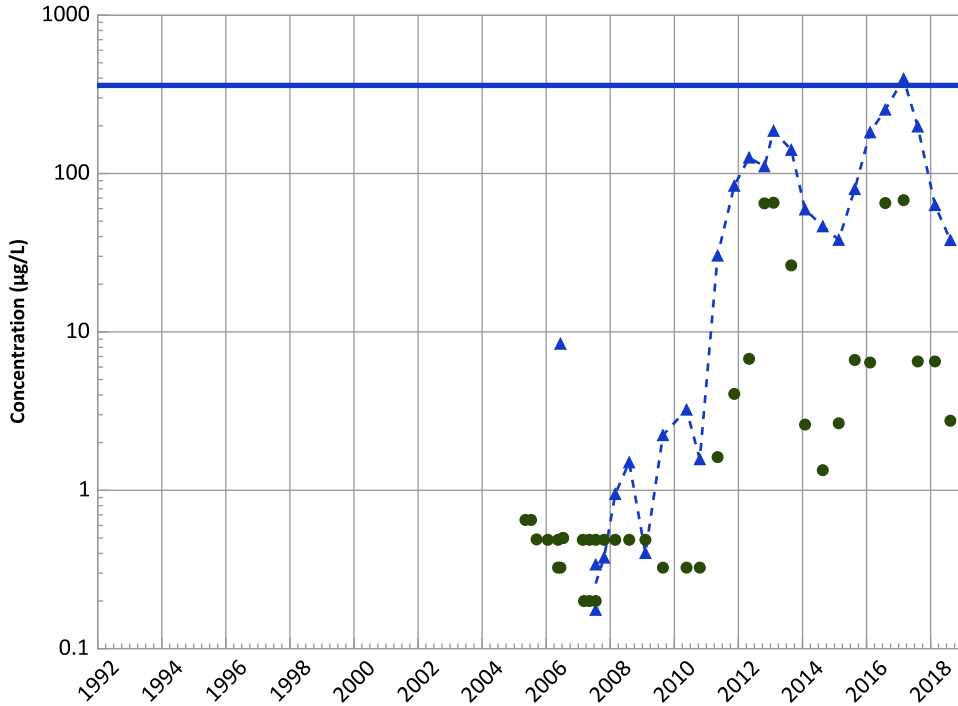
Data (2017 - 2021):

No Trend

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

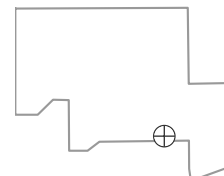
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

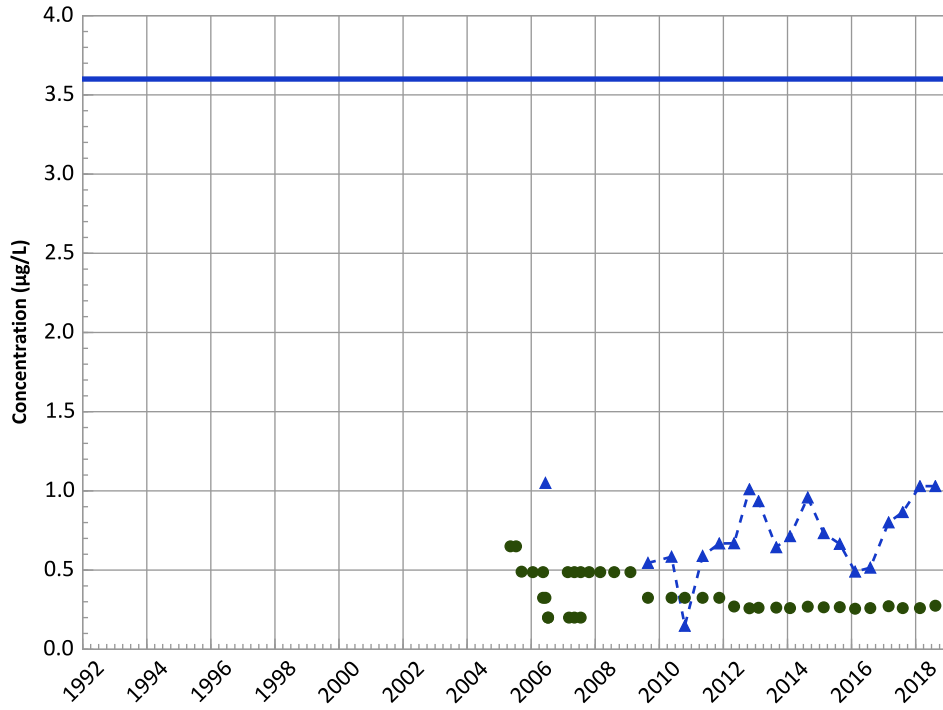
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

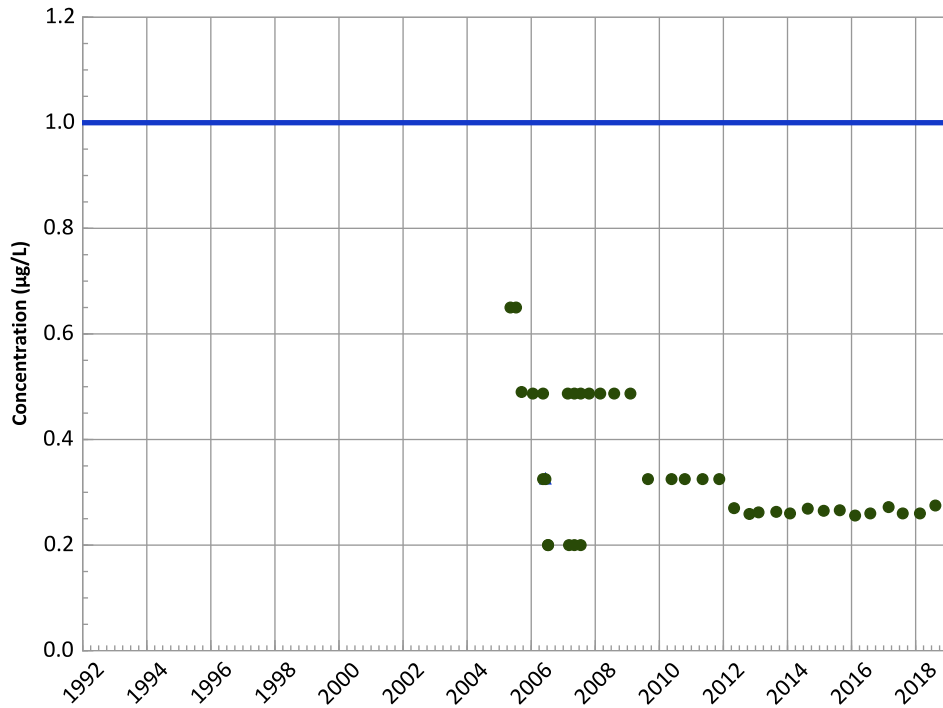
Data (2017 - 2021):

Decreasing

All Data:

No Trend

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

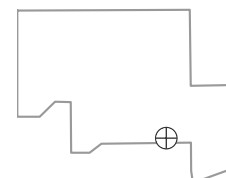
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

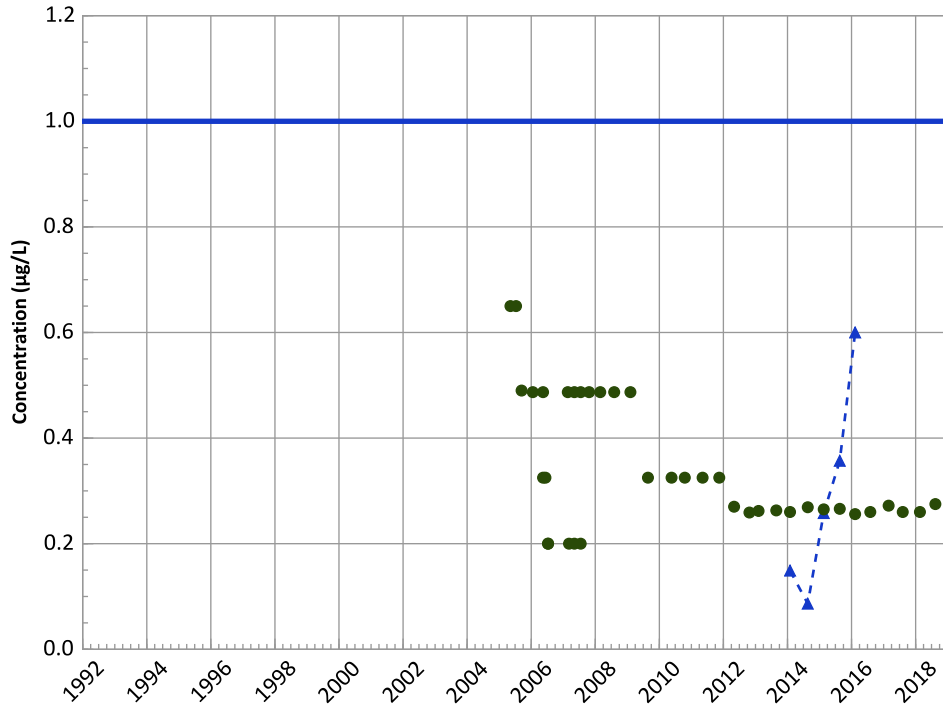


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

2,6-Dinitrotoluene Trend

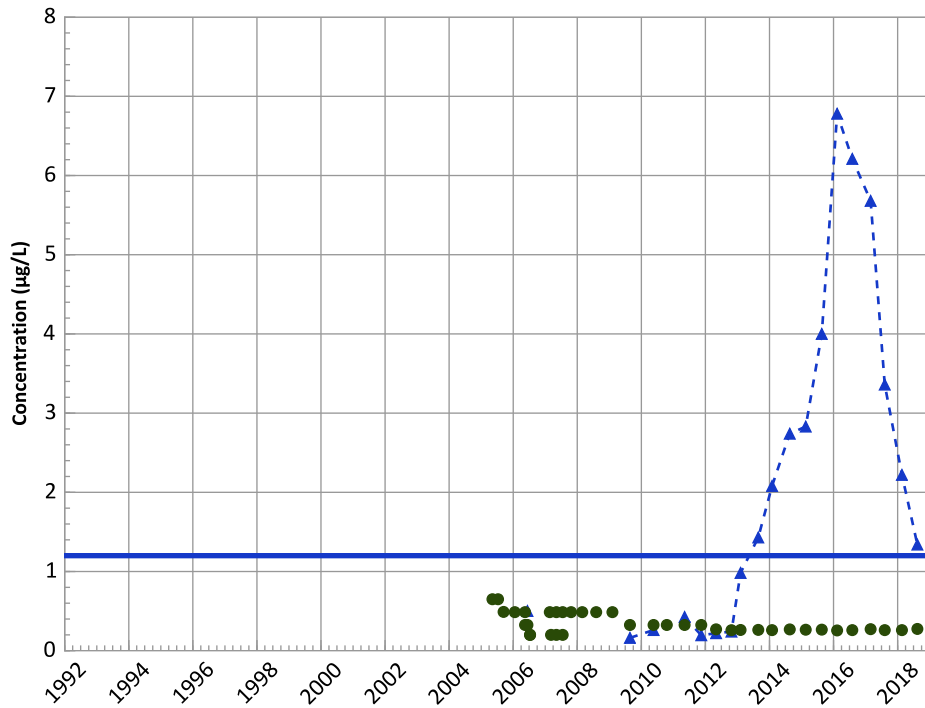


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

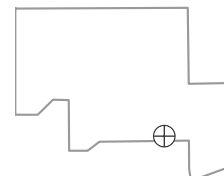
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

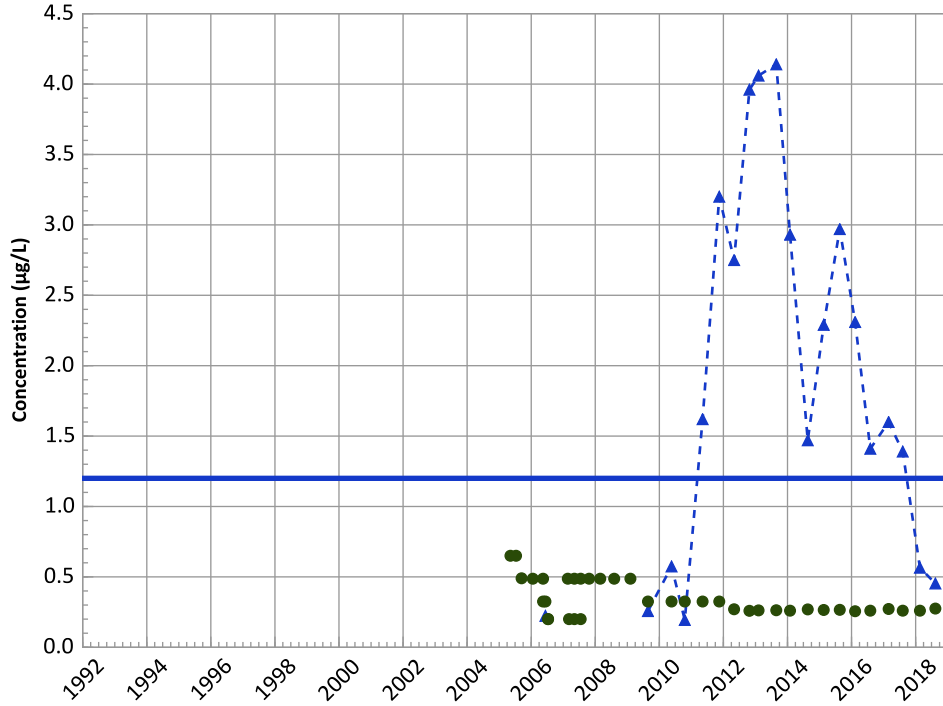
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

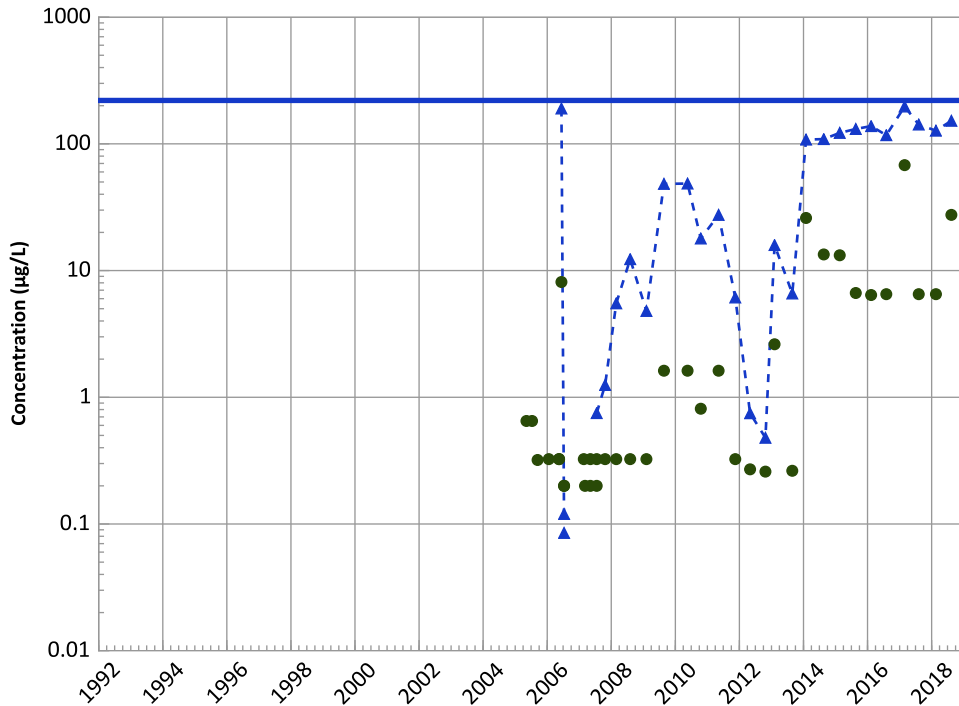
Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

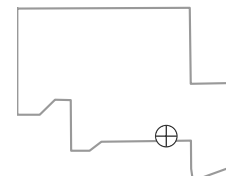
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

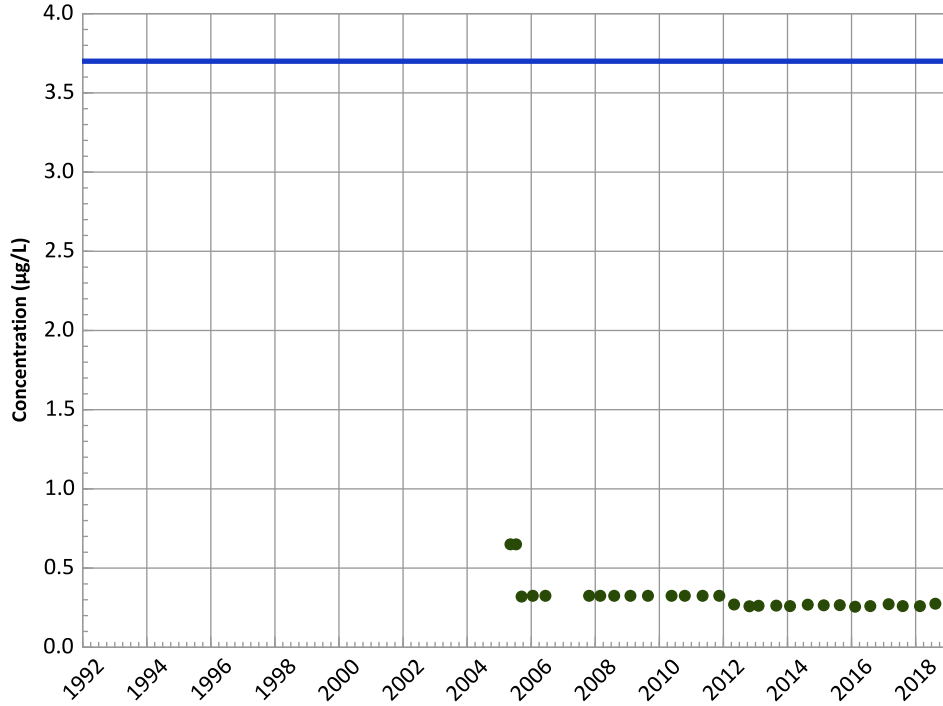
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

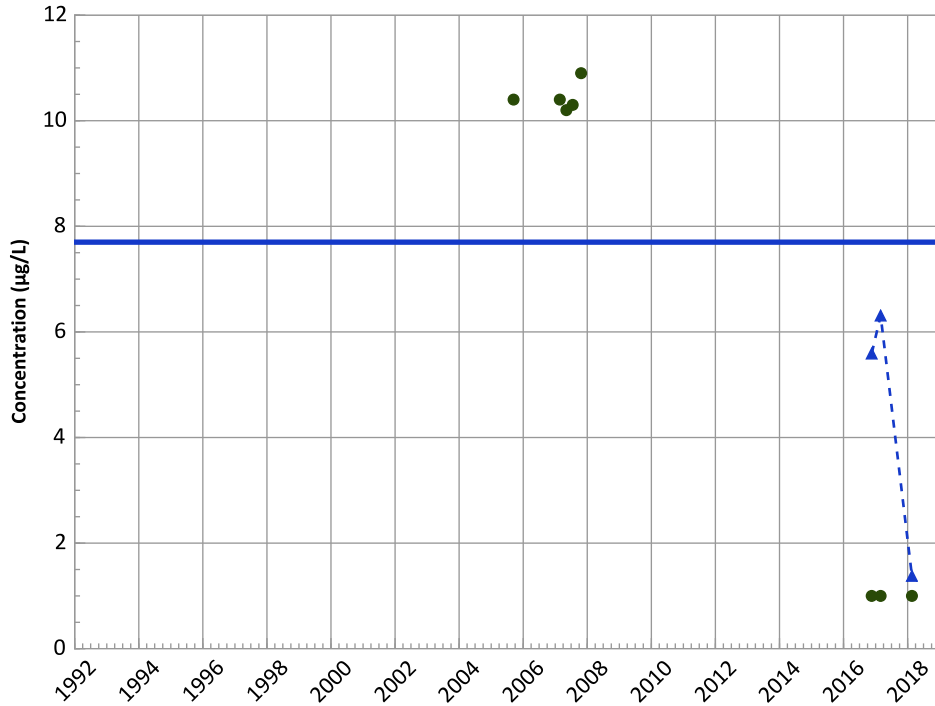
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

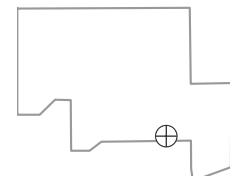
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

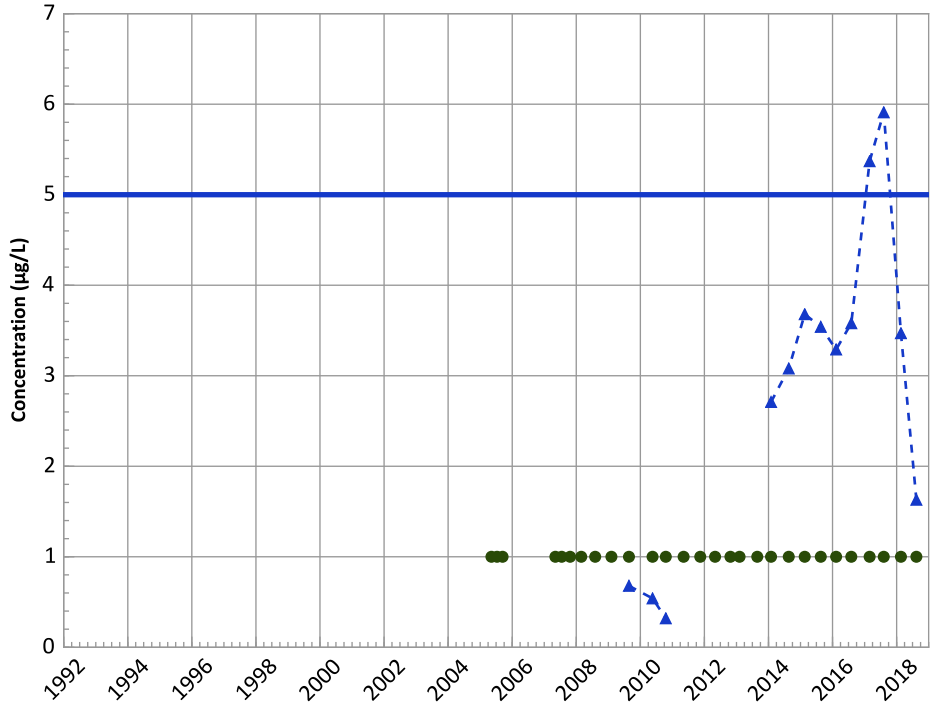
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1095A in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

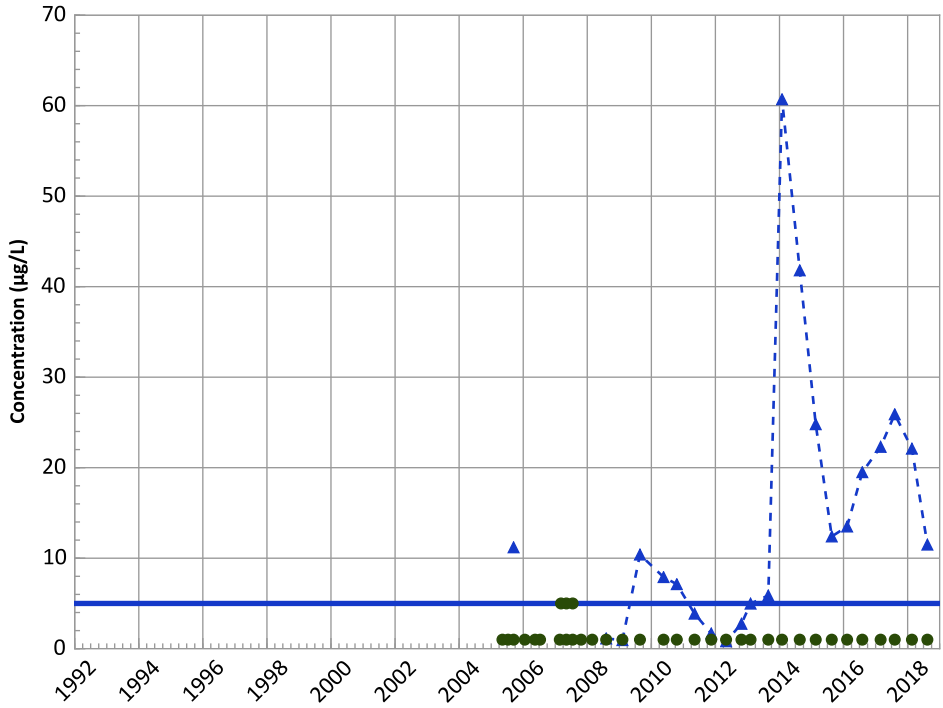
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

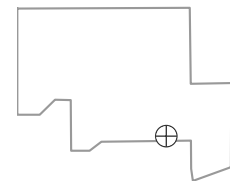
Data (2017 - 2021):

Increasing

All Data:

Increasing

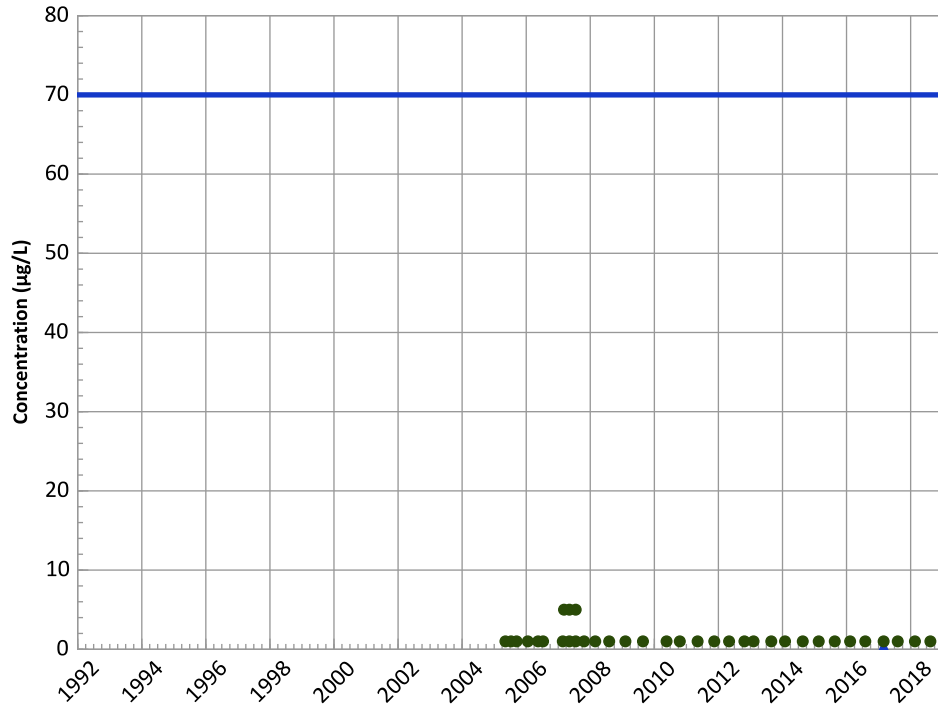
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 05/09/2005 to 08/14/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1095A in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

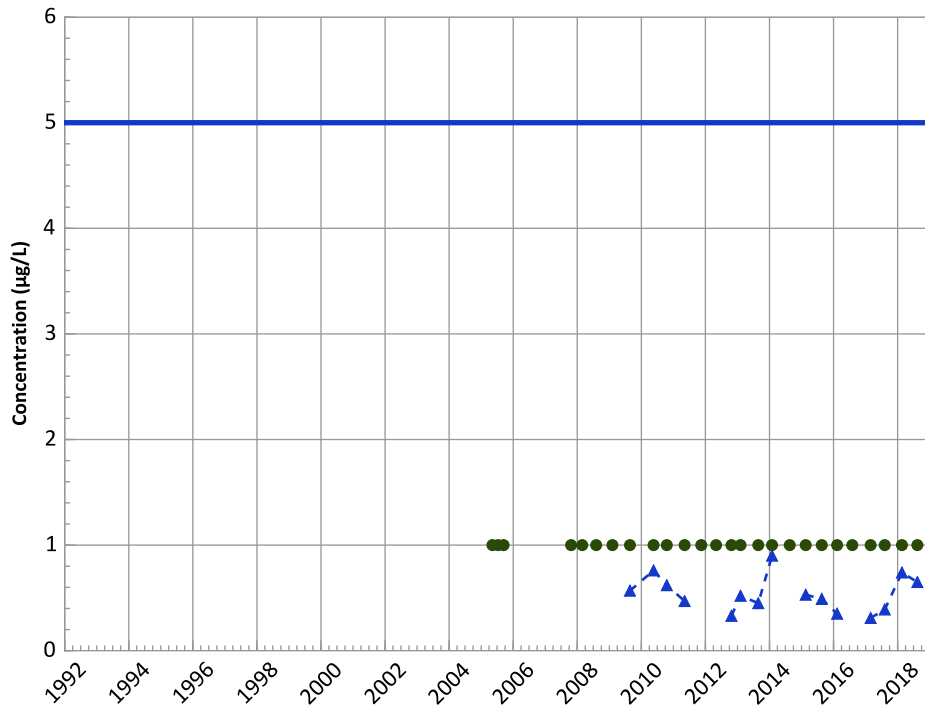


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

1,2-Dichloroethane Trend



Concentration Trend

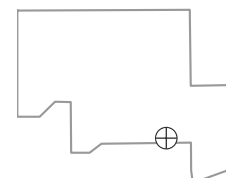
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Stable

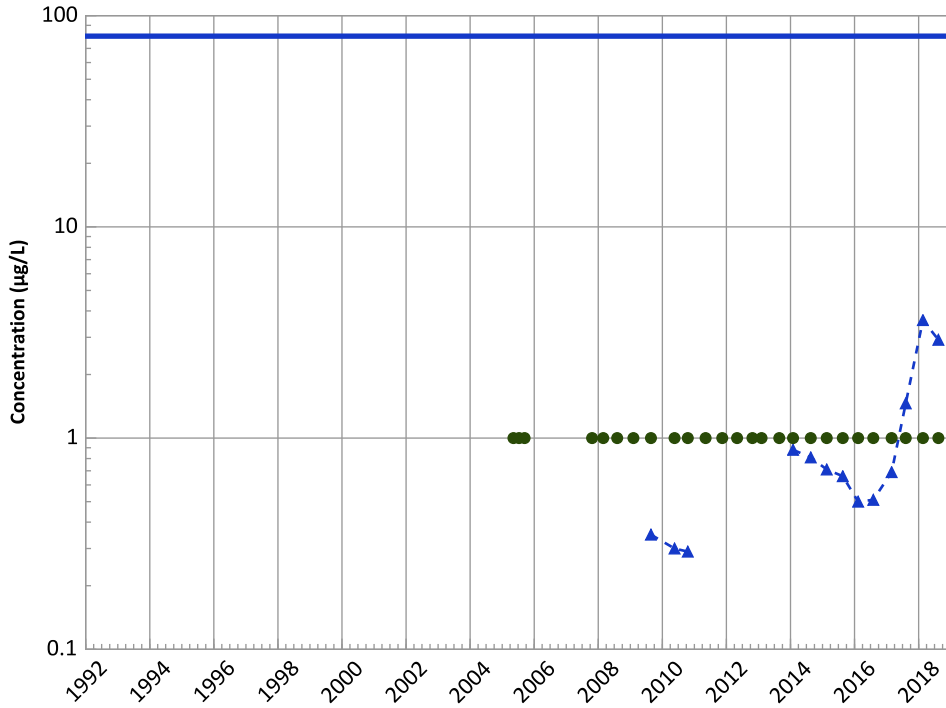
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1095A in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend

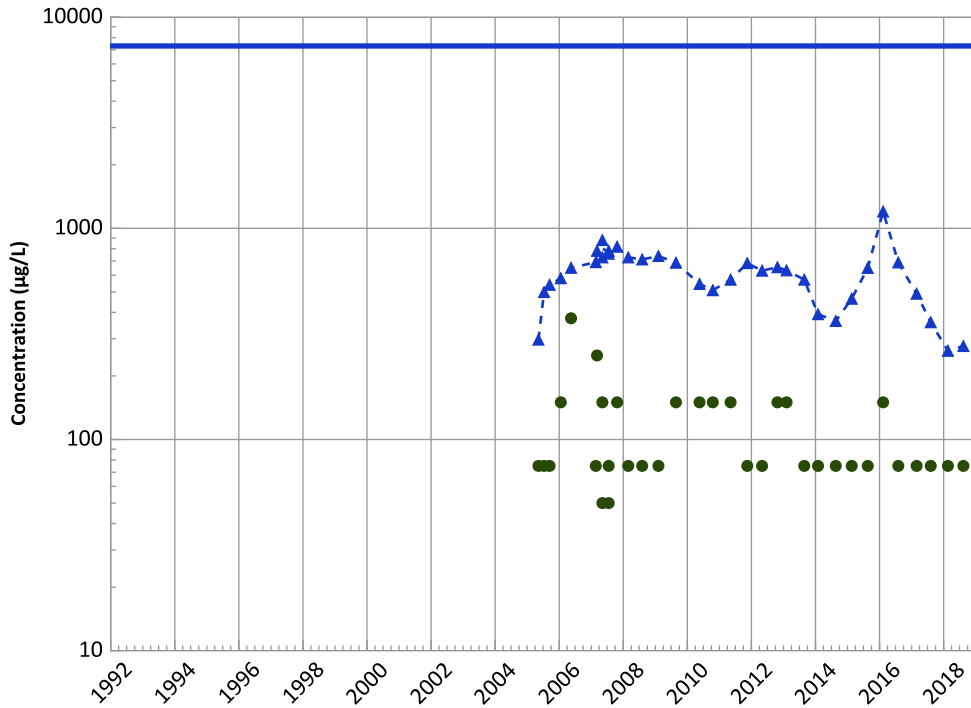


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Boron Trend

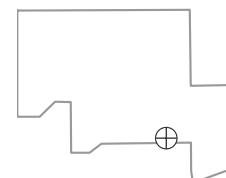


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

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

Well Location

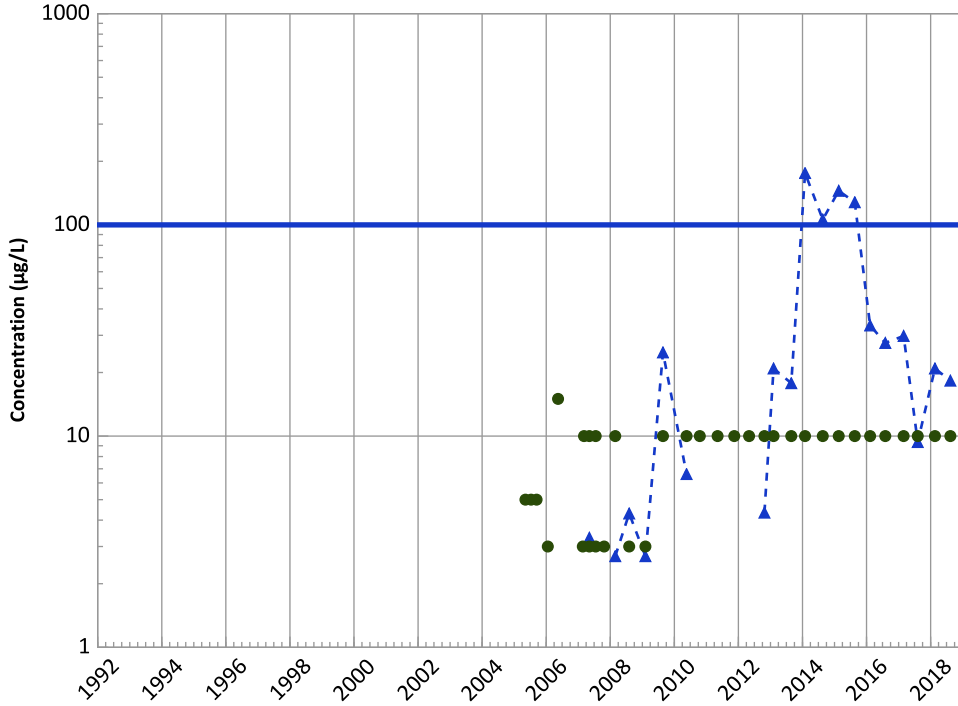


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

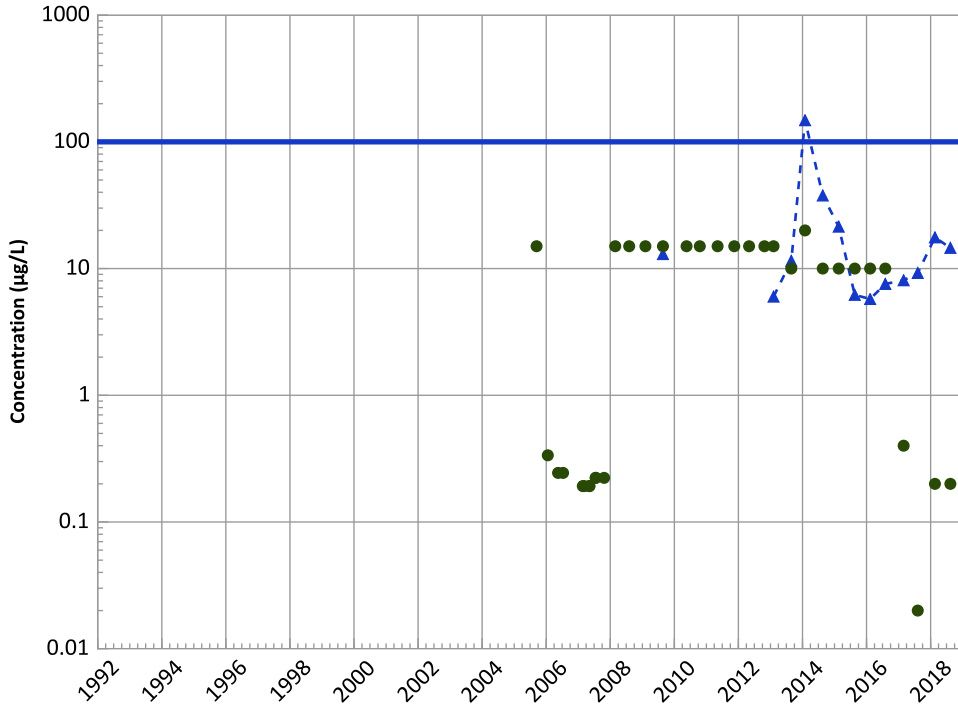
Data (2017 - 2021):

No Trend

All Data:

Increasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

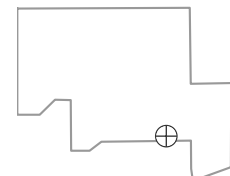
Data (2017 - 2021):

No Trend

All Data:

No Trend

Well Location

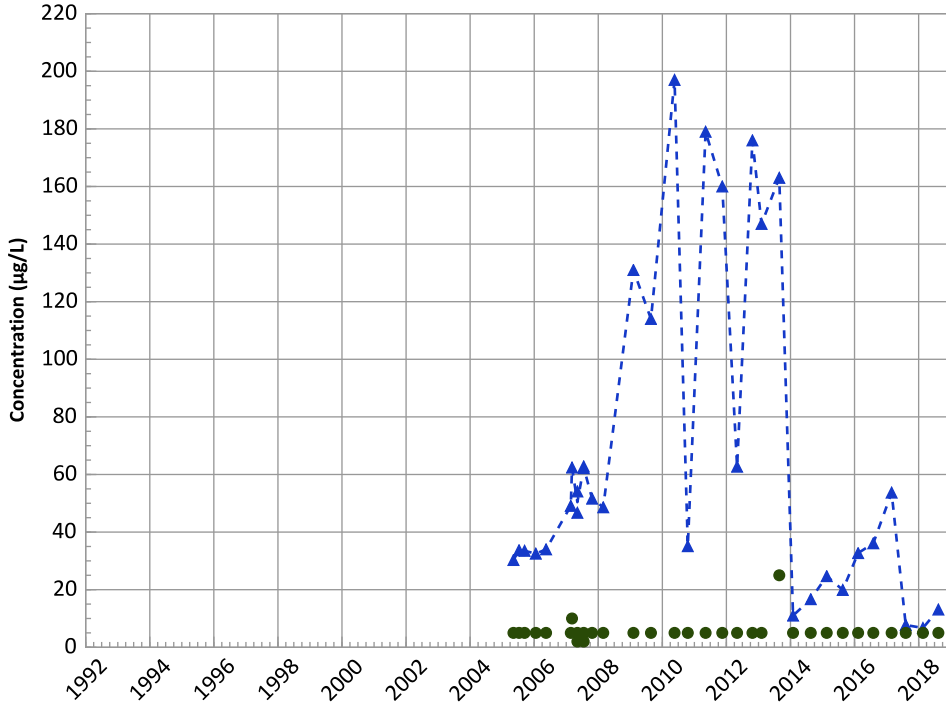


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

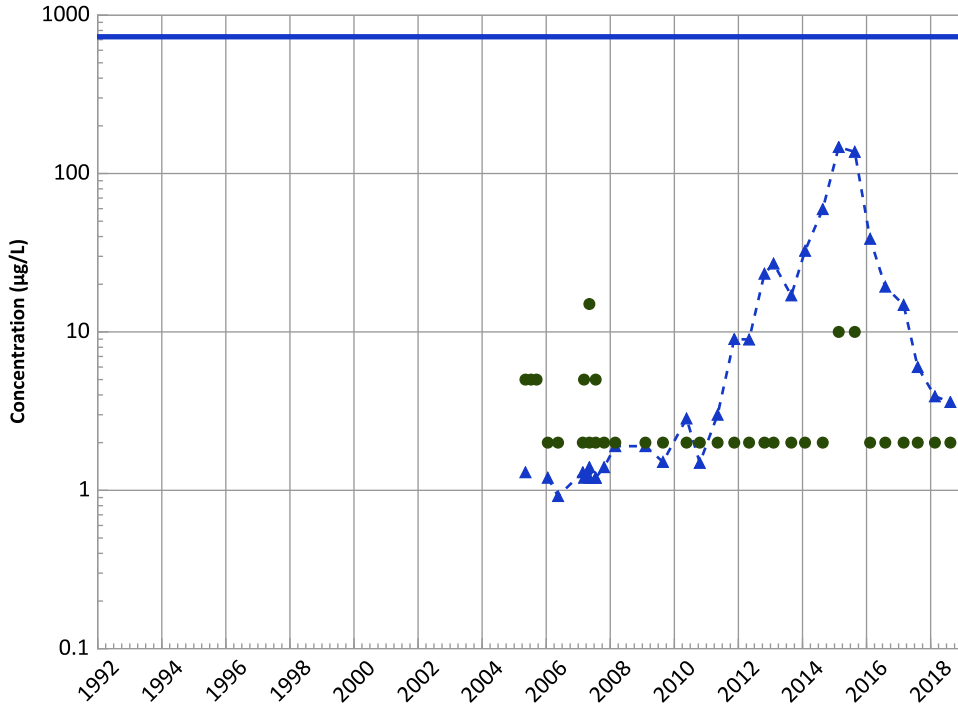
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

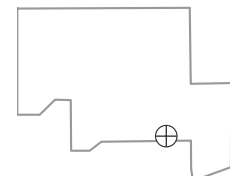
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

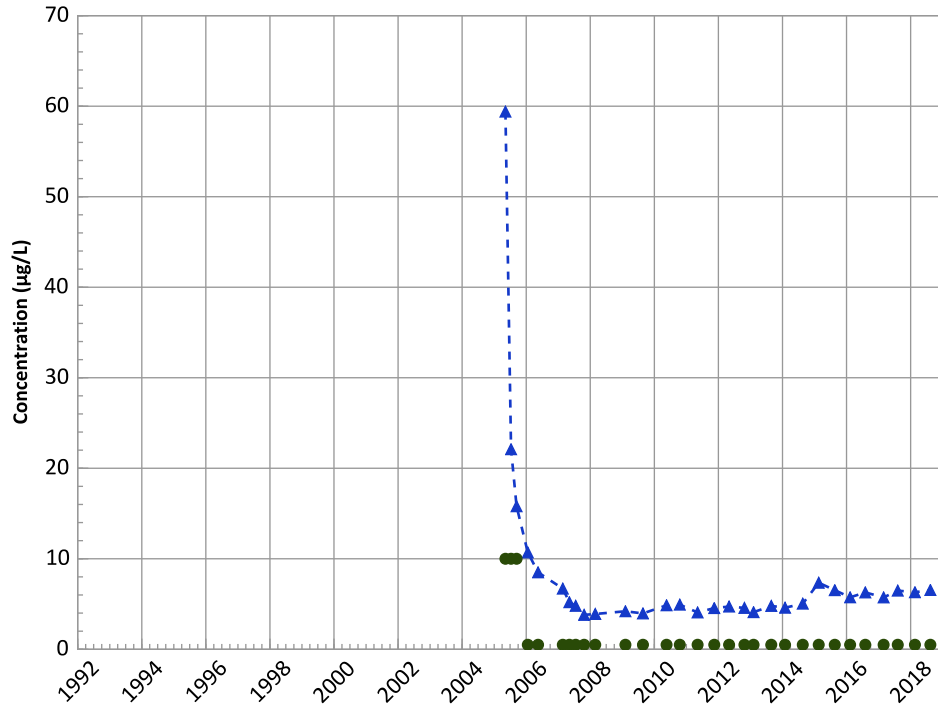
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

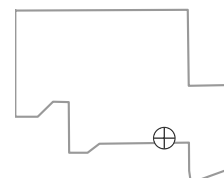
All Data:

Decreasing

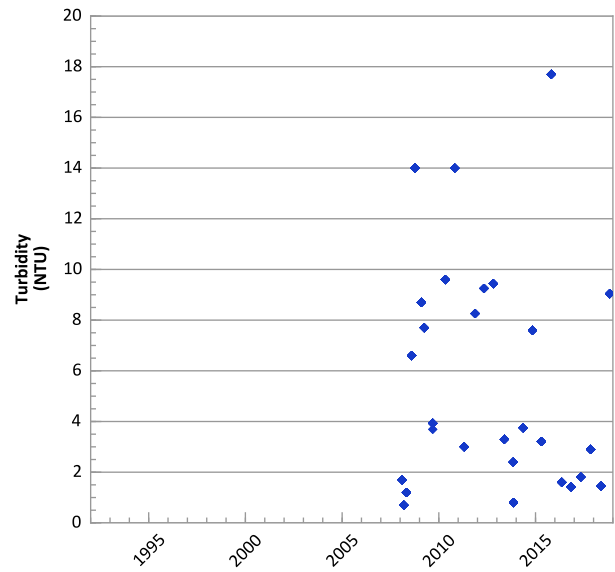
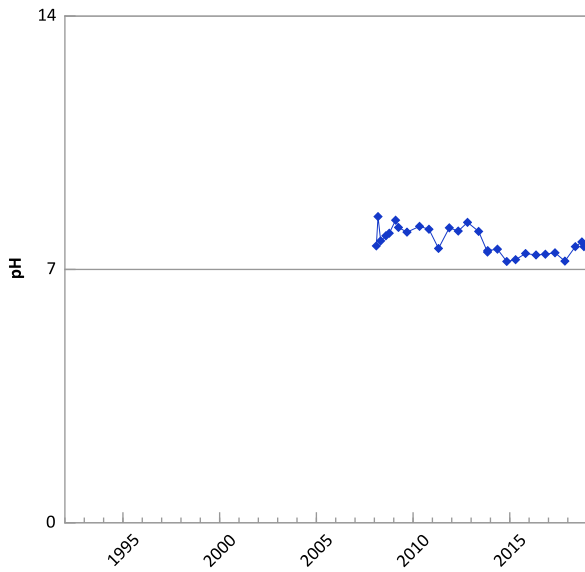
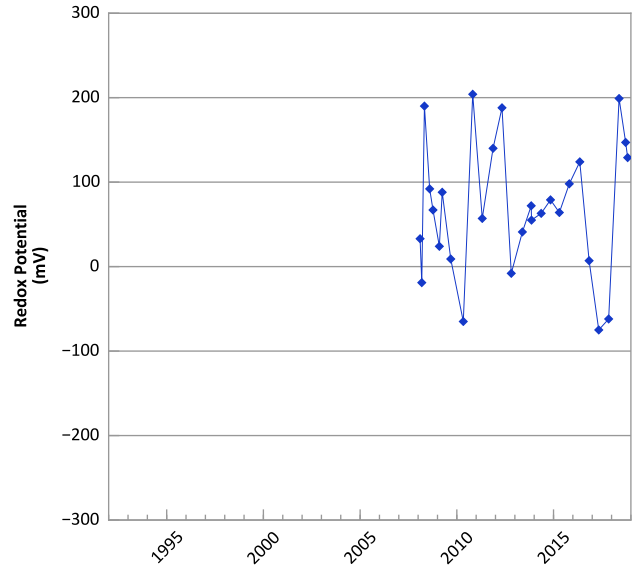
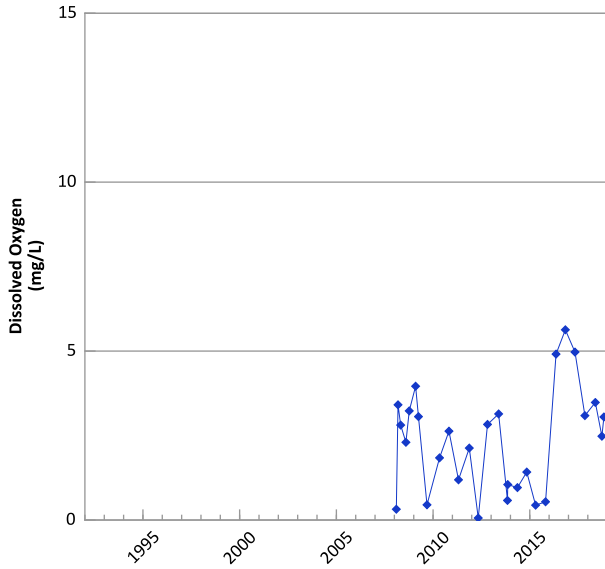
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/09/2005 to 08/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

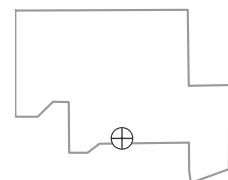


**PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



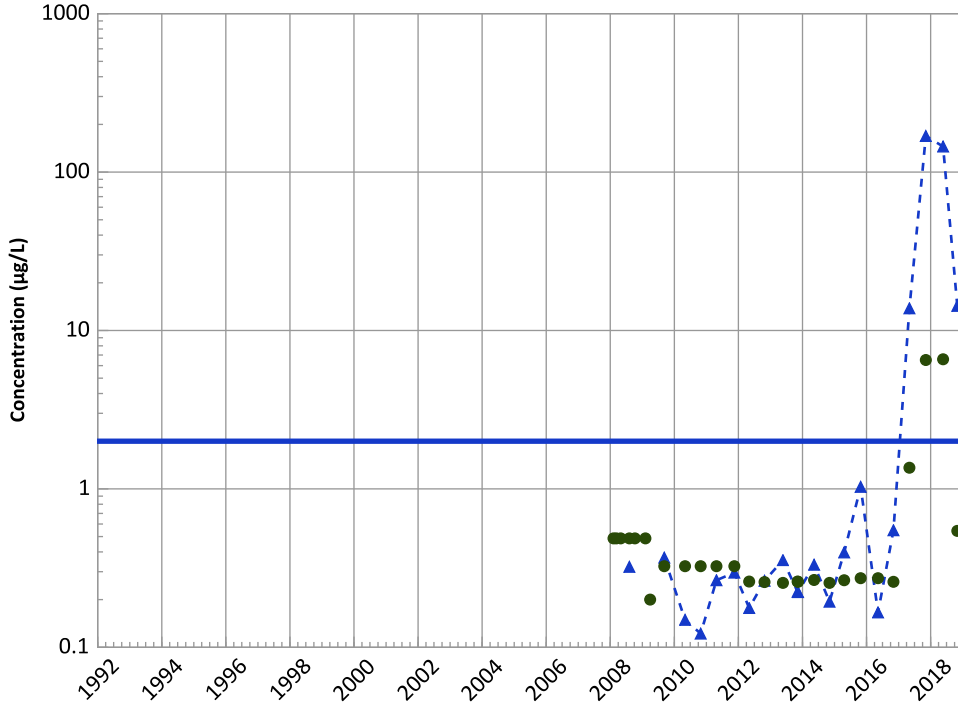
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 02/07/2008 to 11/01/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

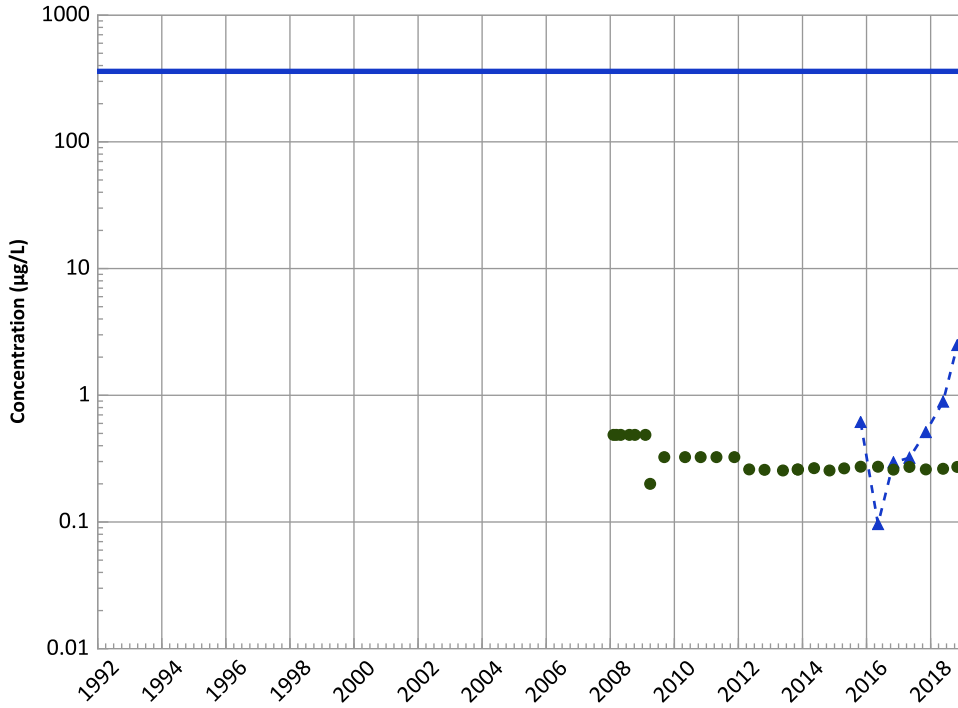


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Increasing
All Data:
Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

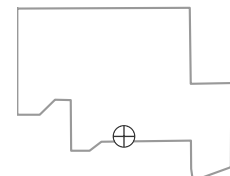


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Well Location

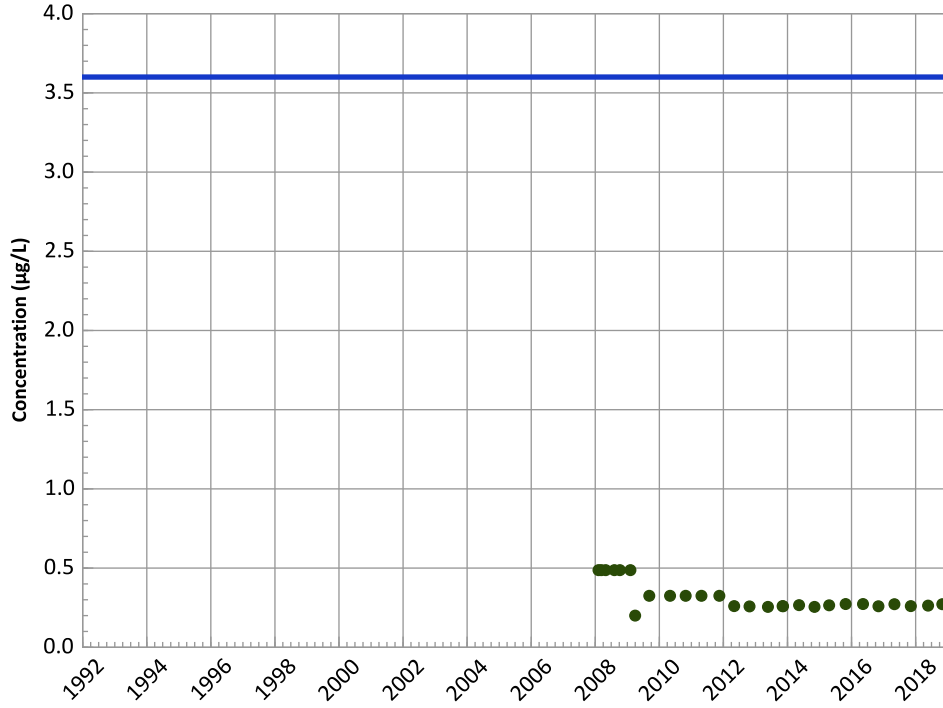


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

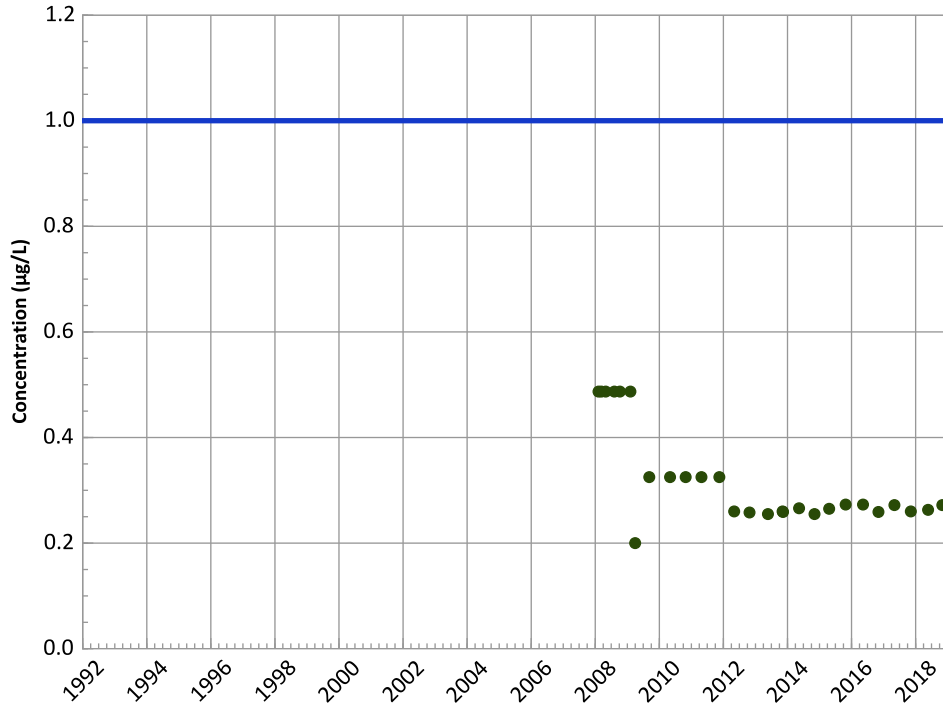
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

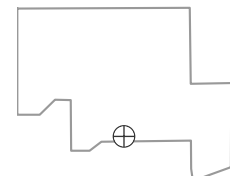
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

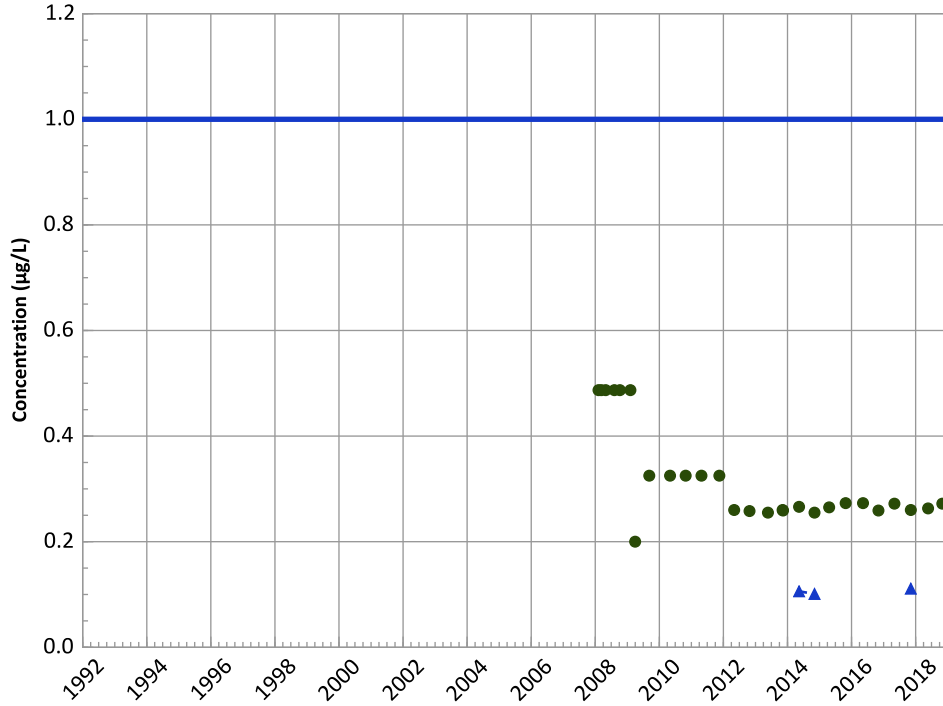


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

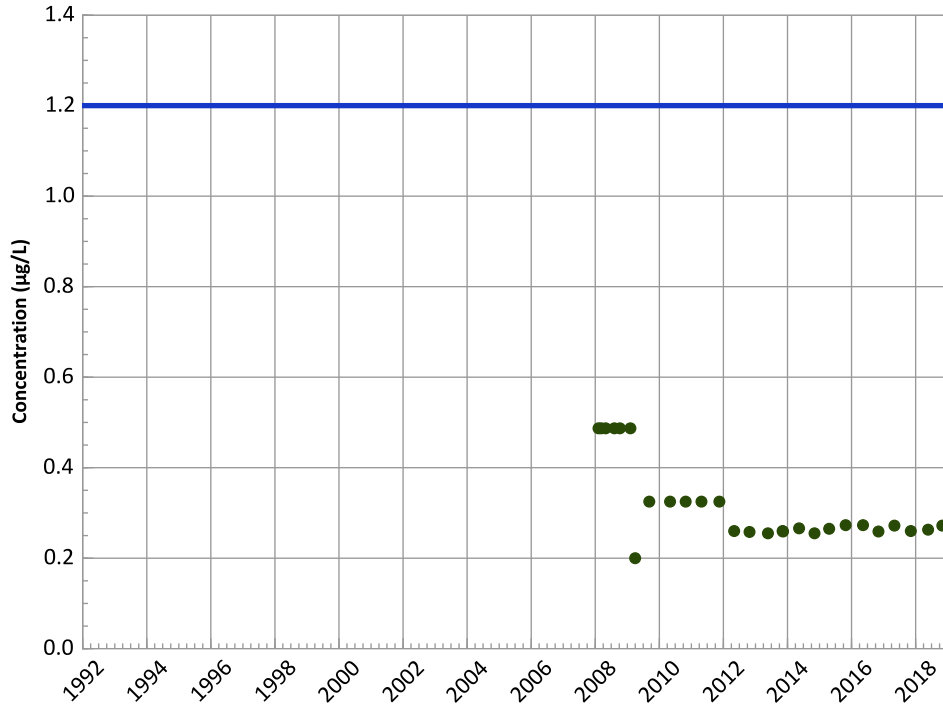


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend

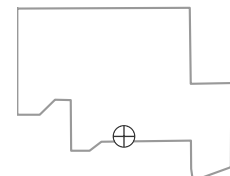


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

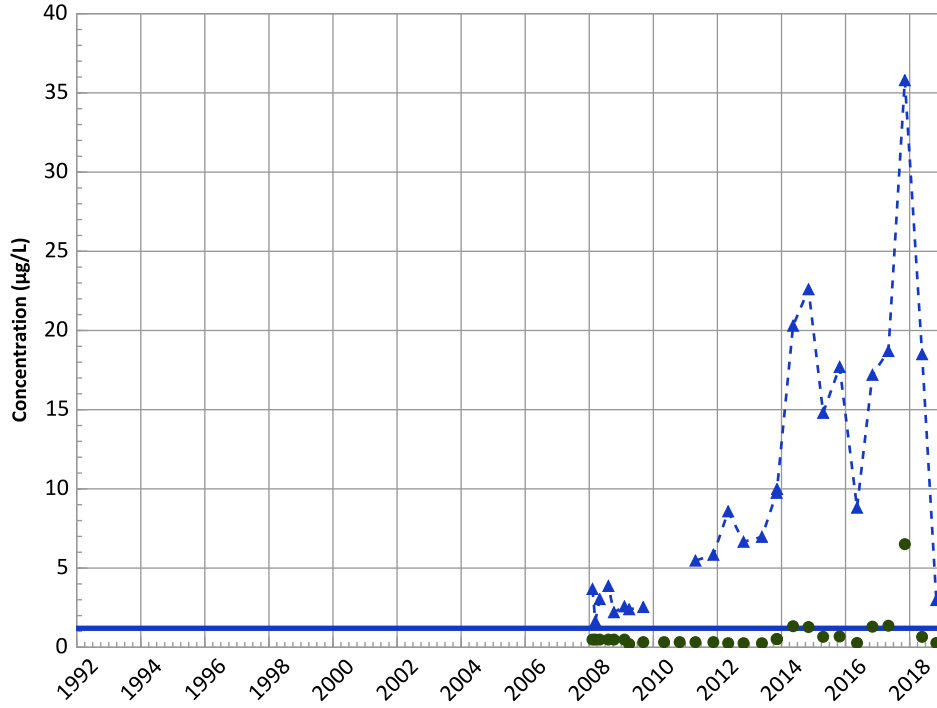


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

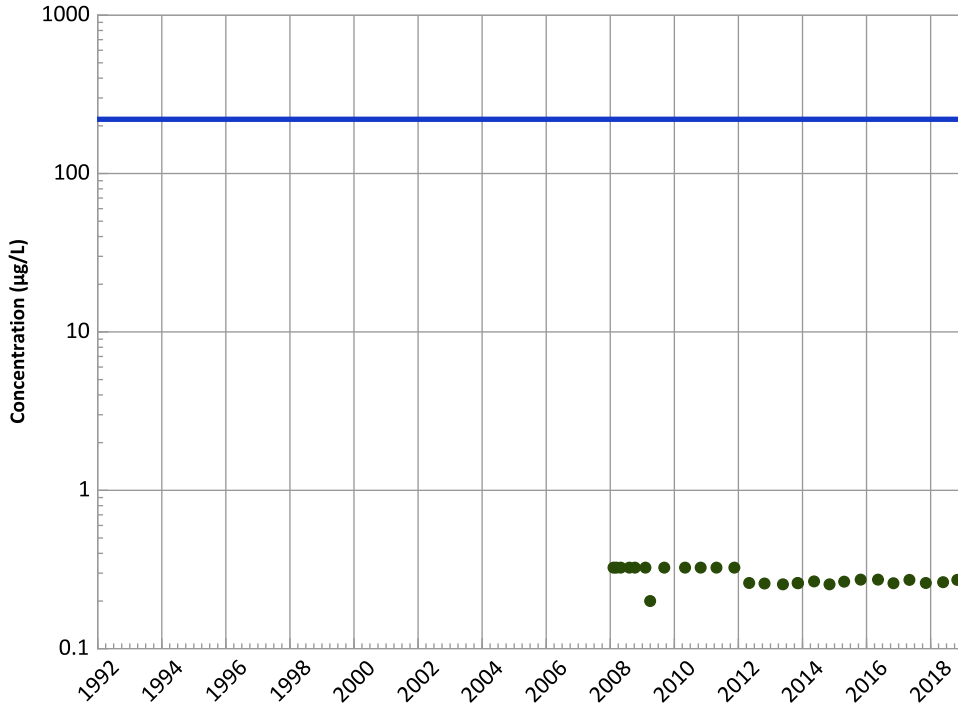
Data (2017 - 2021):

Increasing

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

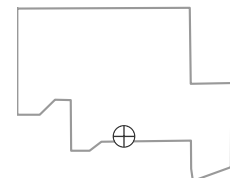
Query Date Range: 01/01/1992 to 12/31/2018

Data Date Range: 02/07/2008 to 11/01/2018

Analysis Date: 02/14/2019

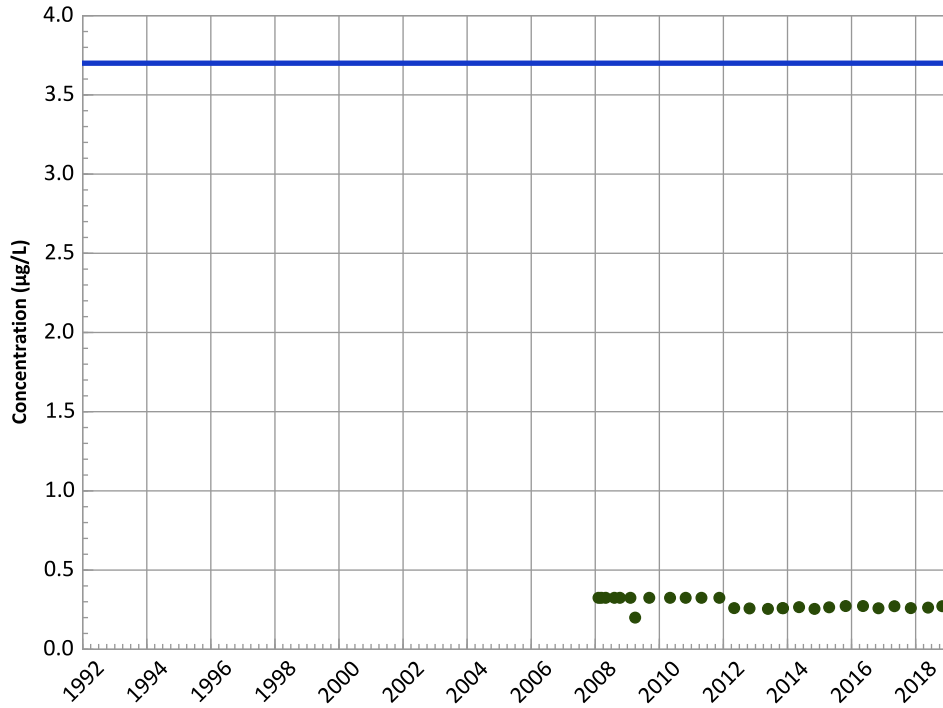
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

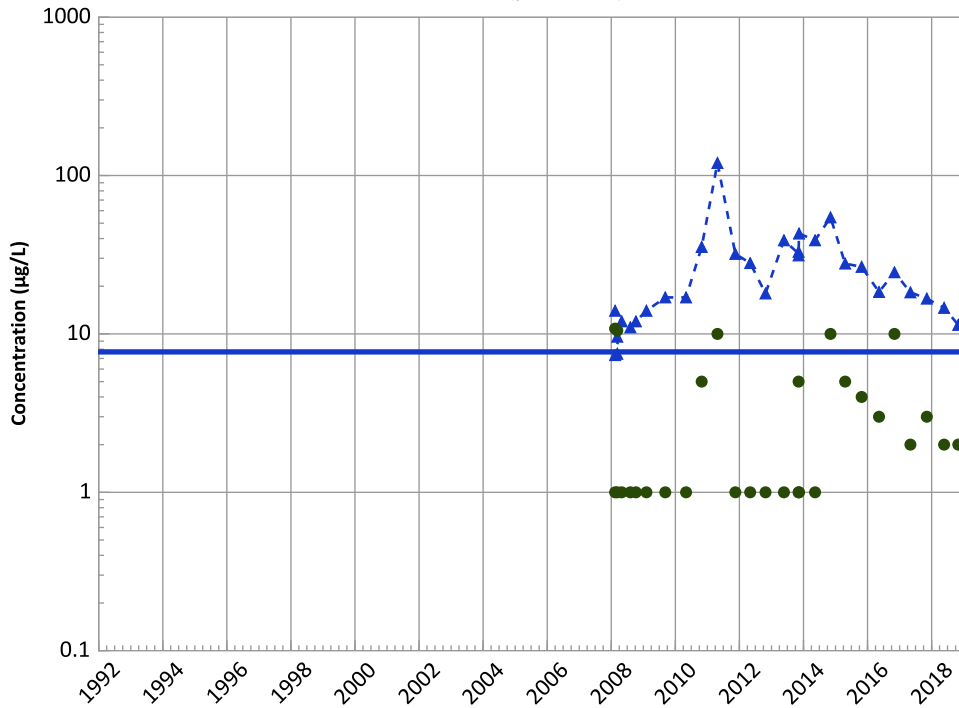
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

MAROS Linear Regression Method

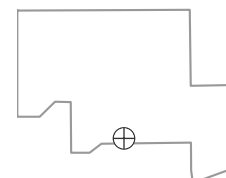
Data (2017 - 2021):

Stable

All Data:

No Trend

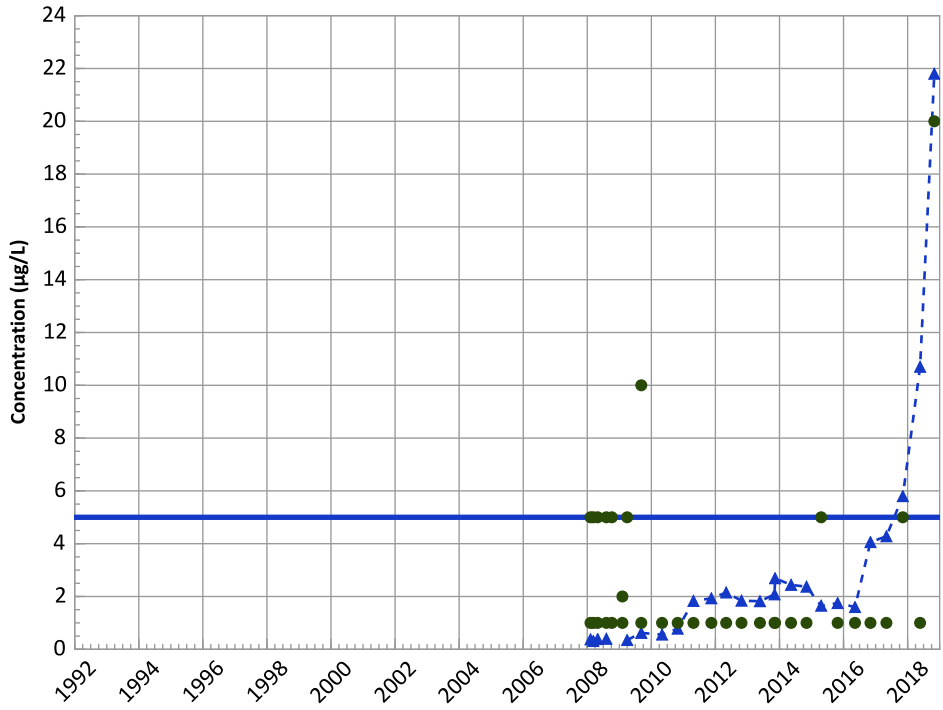
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

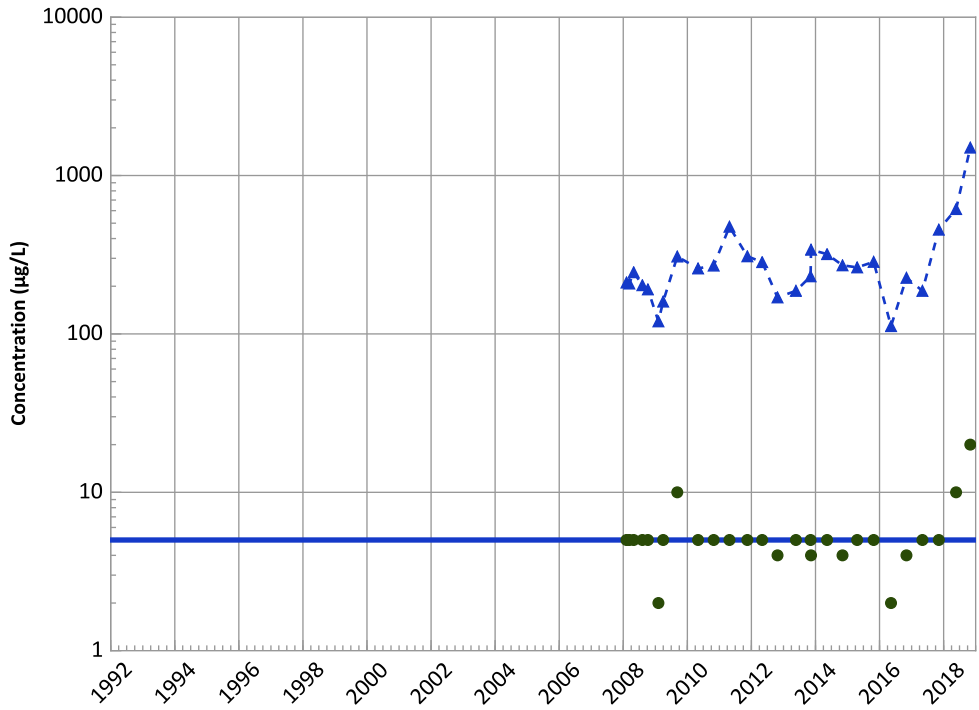
Data (2017 - 2021):

No Trend

All Data:

Increasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

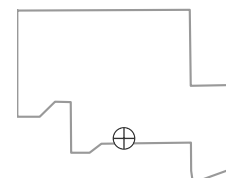
Data (2017 - 2021):

Stable

All Data:

Increasing

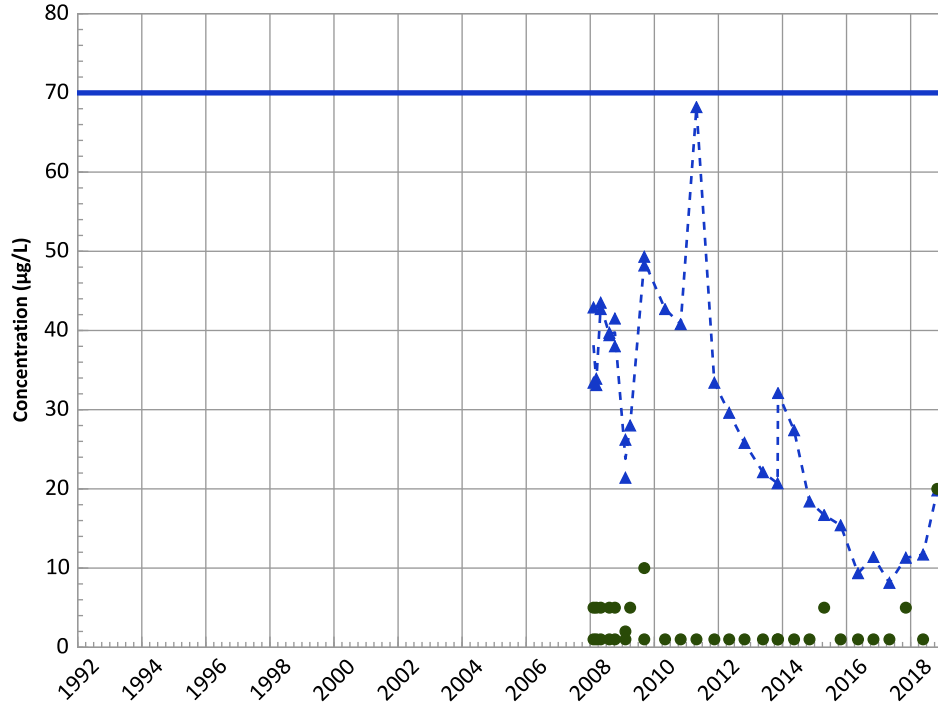
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant**
cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

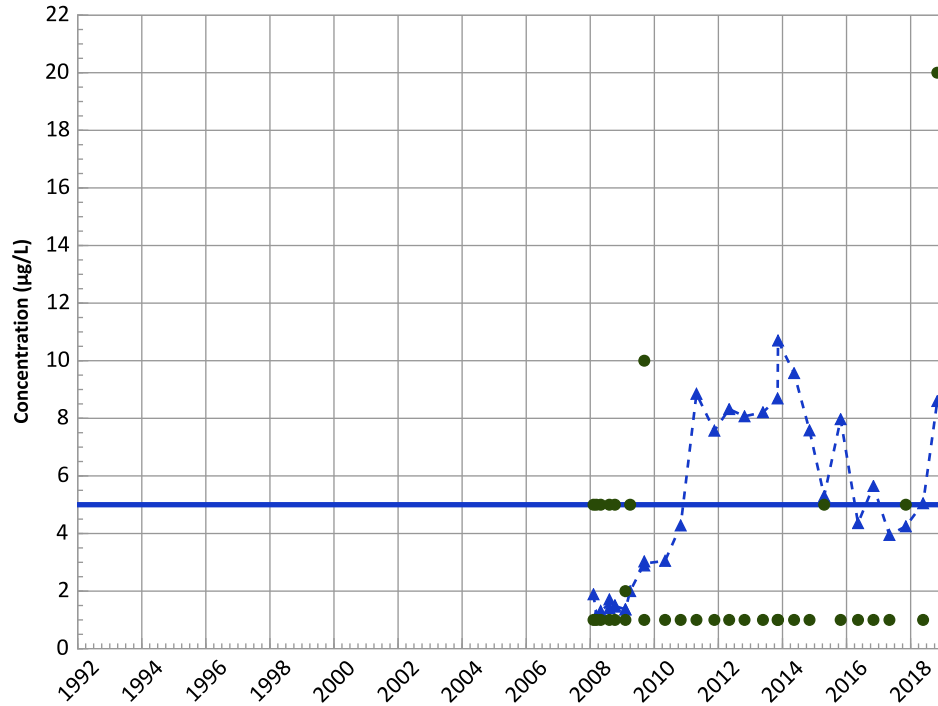
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

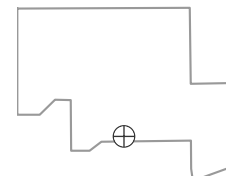
Data (2017 - 2021):

Decreasing

All Data:

Increasing

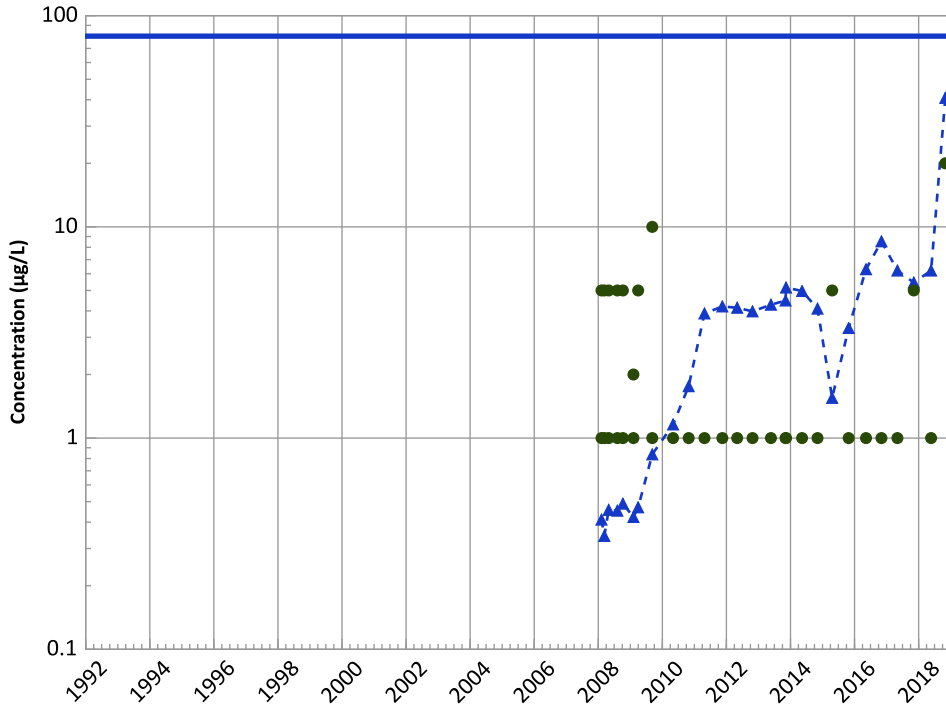
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

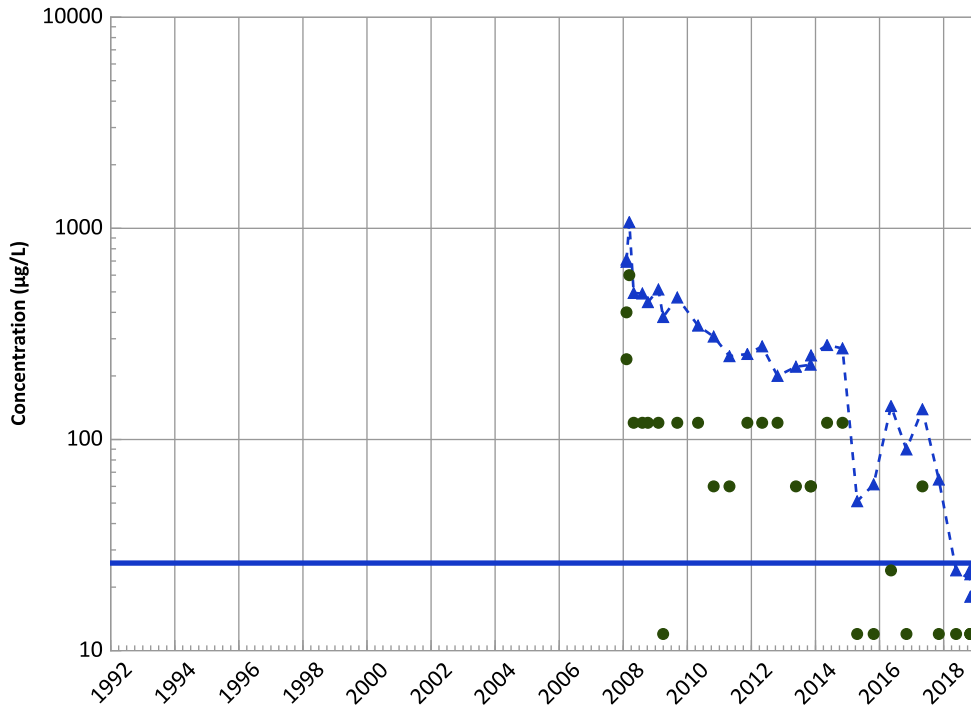


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Increasing

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

Perchlorate Trend



Concentration Trend

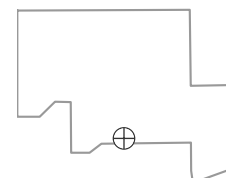
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

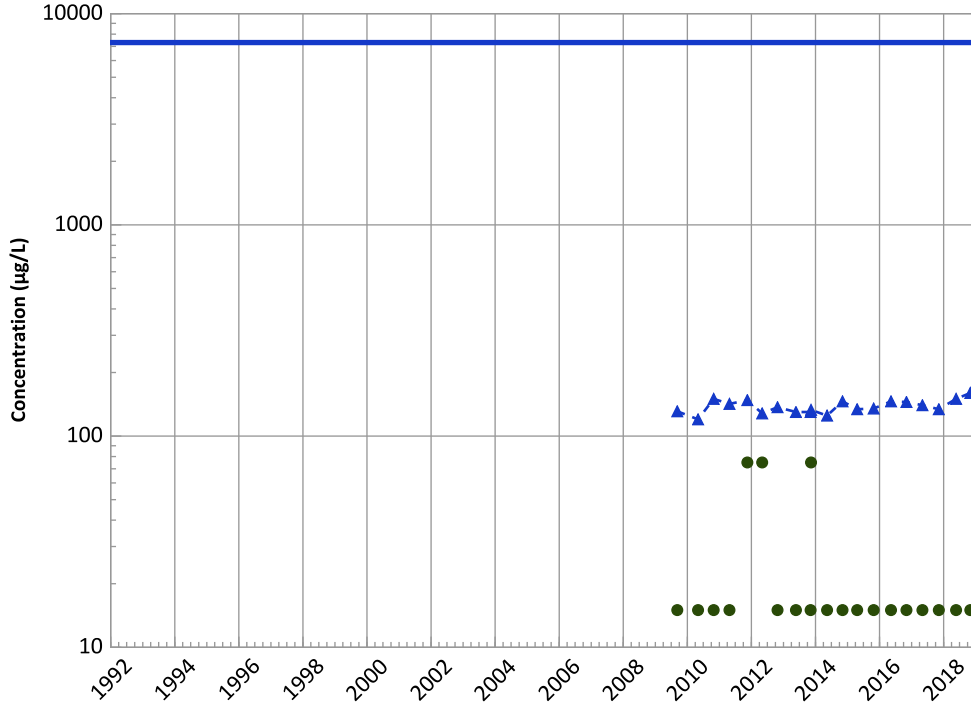
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

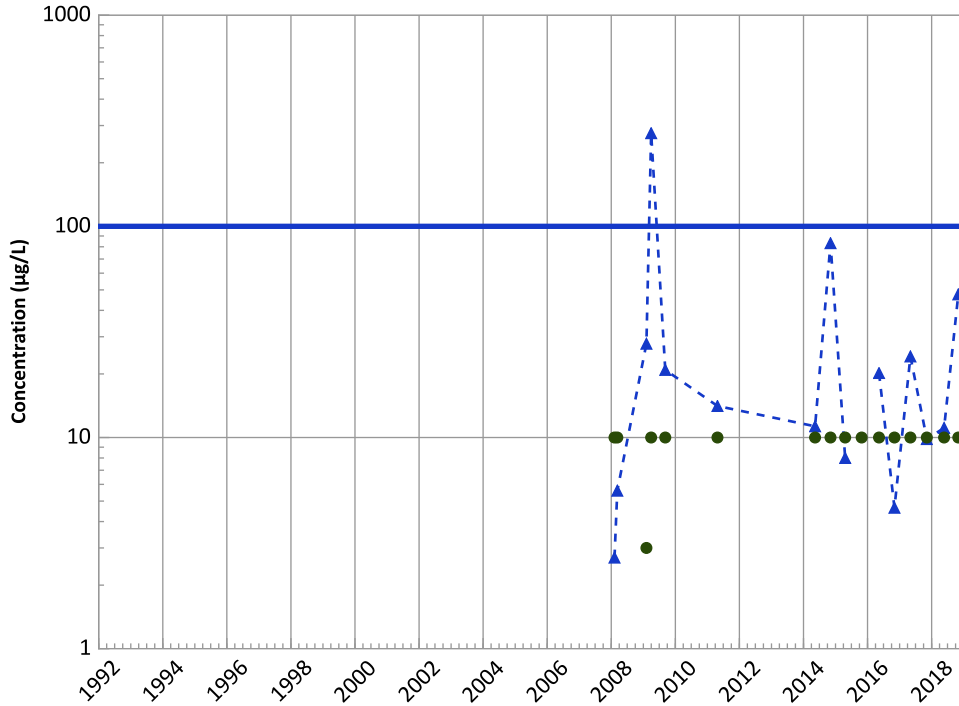
Data (2017 - 2021):

Increasing

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

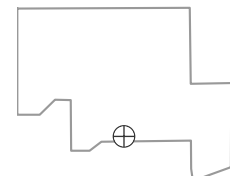
Data (2017 - 2021):

No Trend

All Data:

Increasing

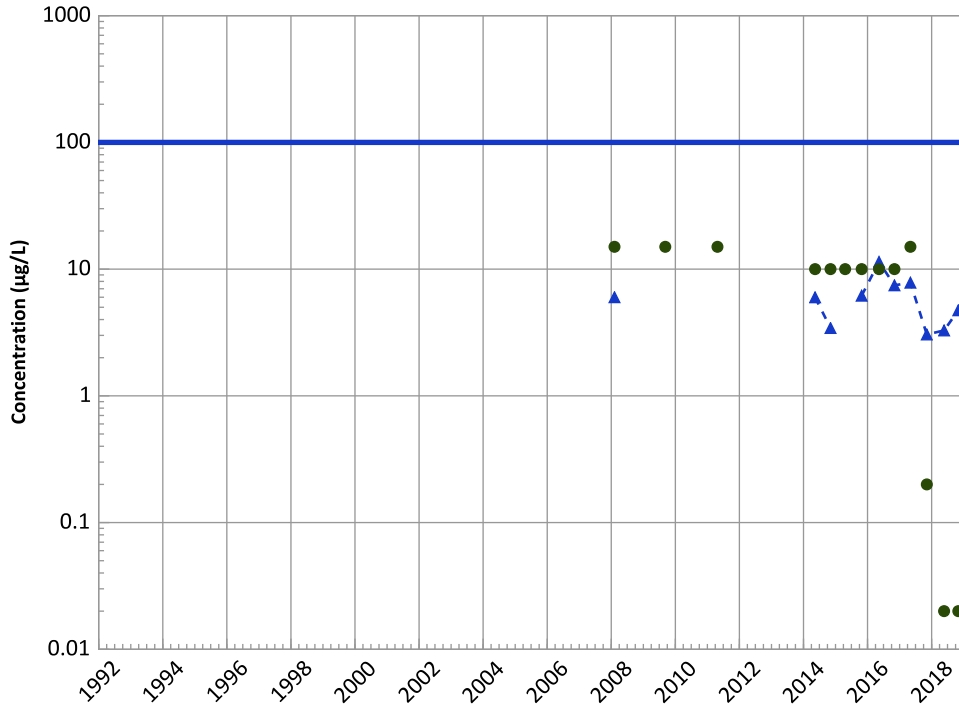
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1126 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

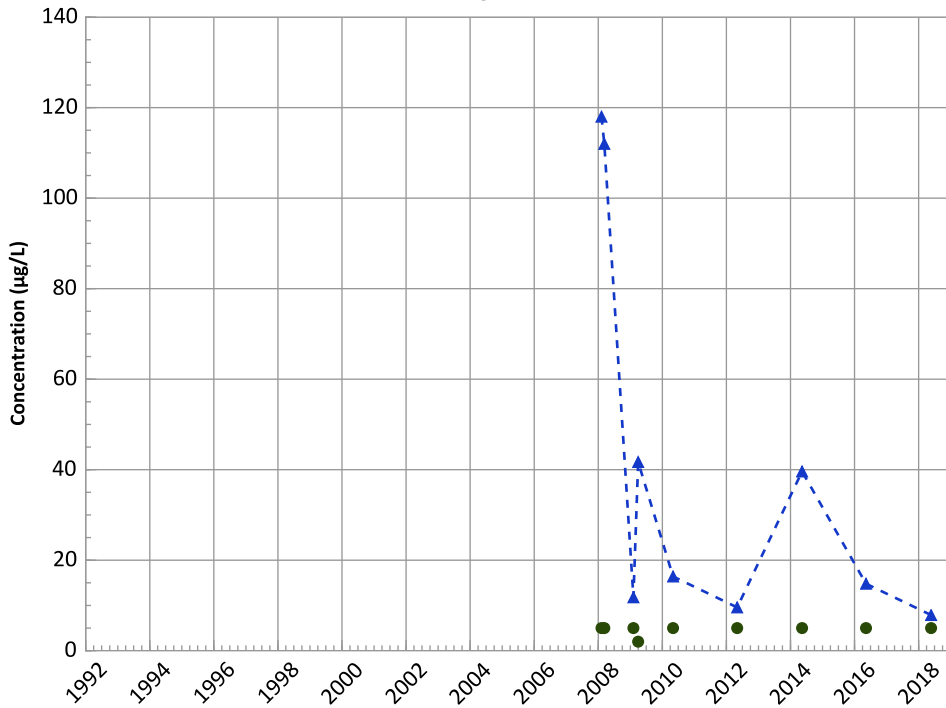
Data (2017 - 2021):

No Trend

All Data:

Stable

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

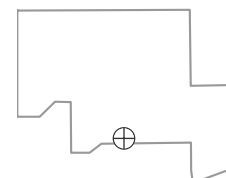
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

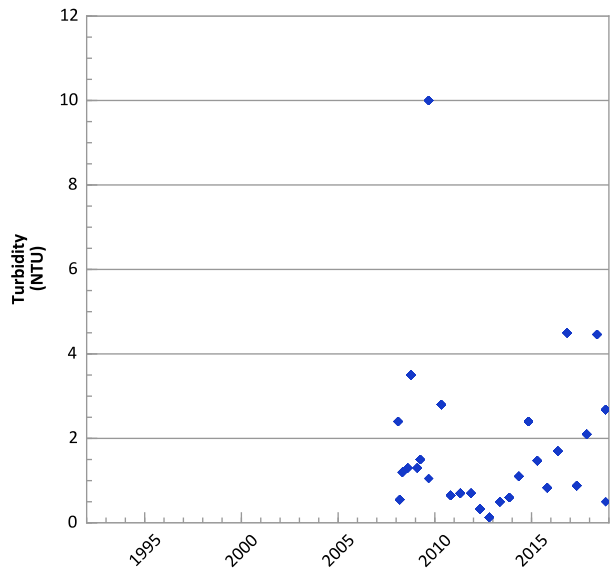
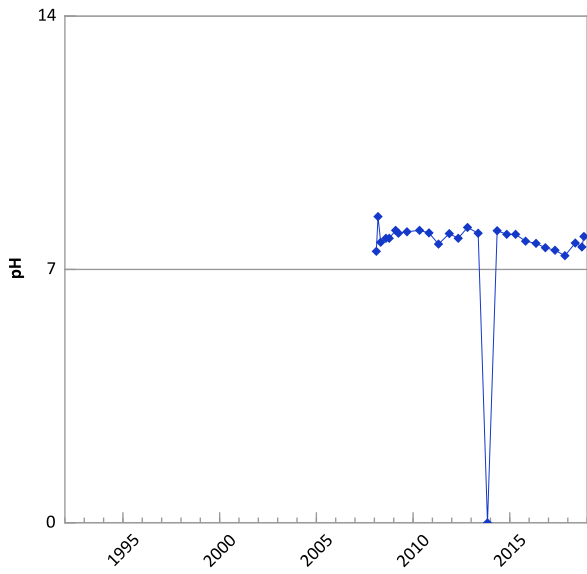
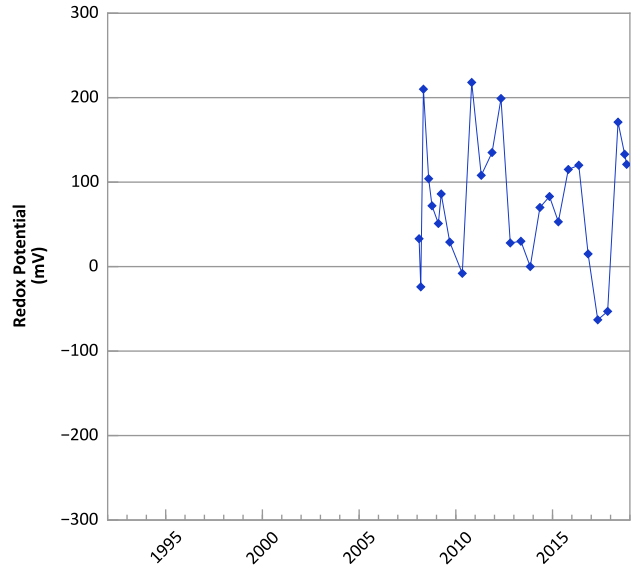
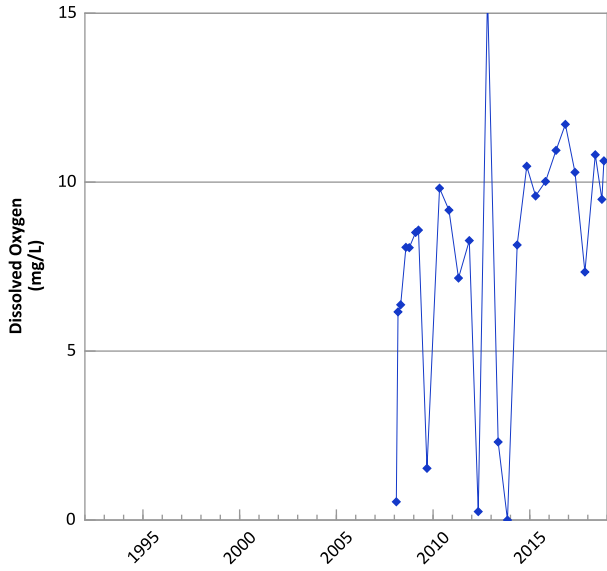
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

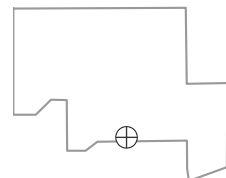
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



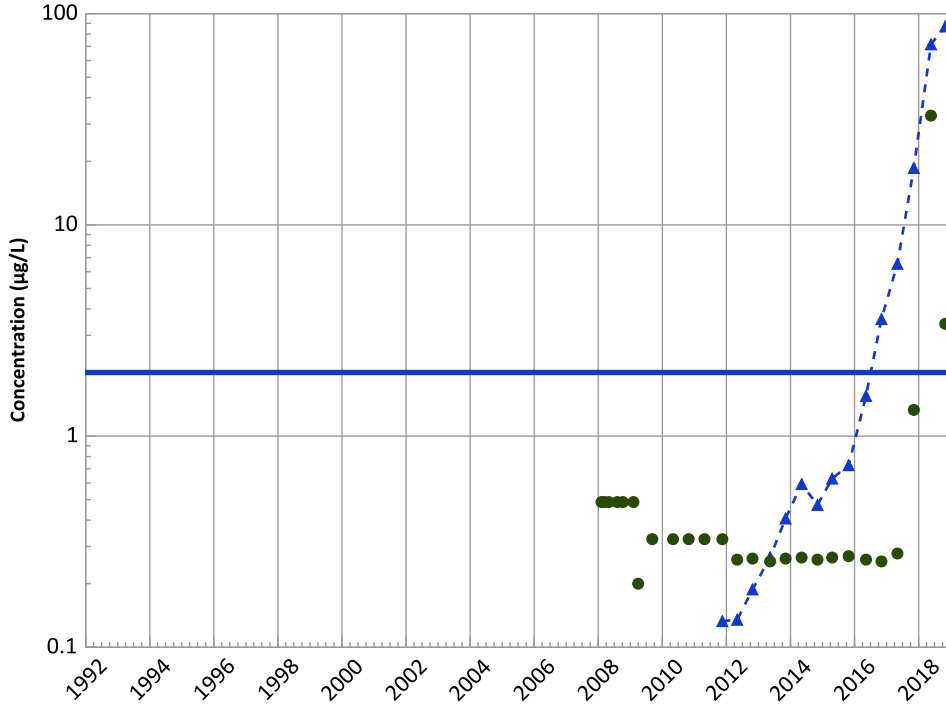
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

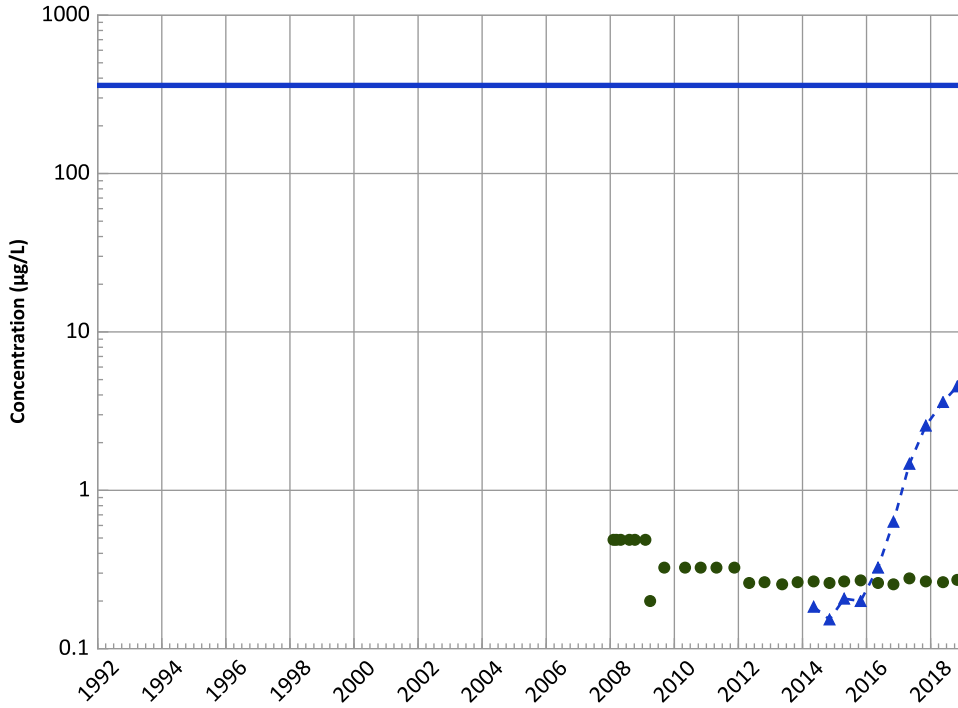
Data (2017 - 2021):

Increasing

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

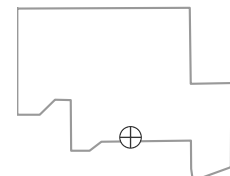
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

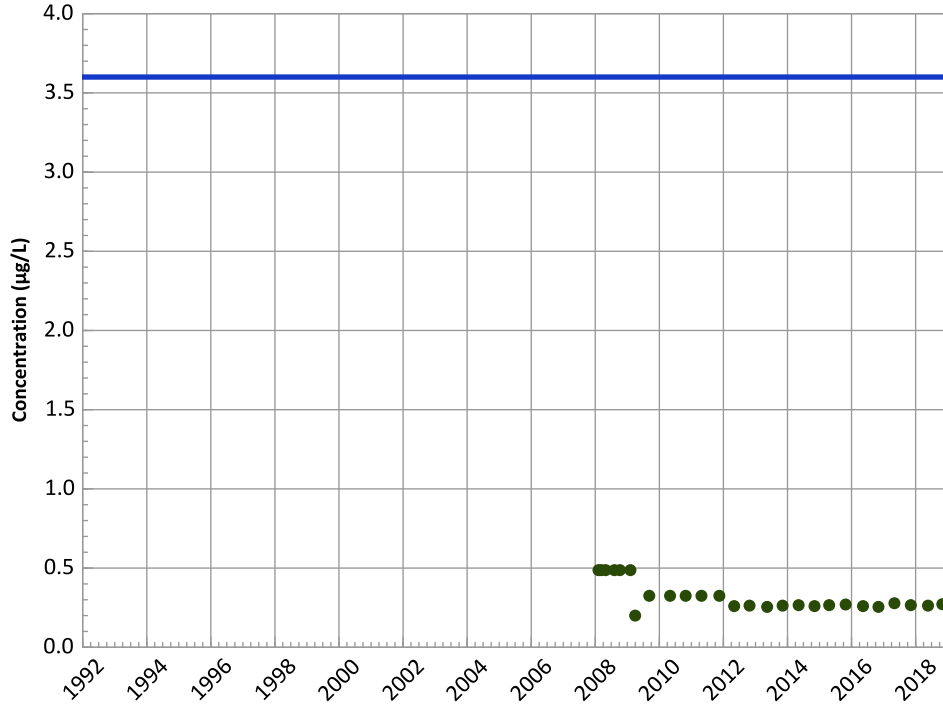


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

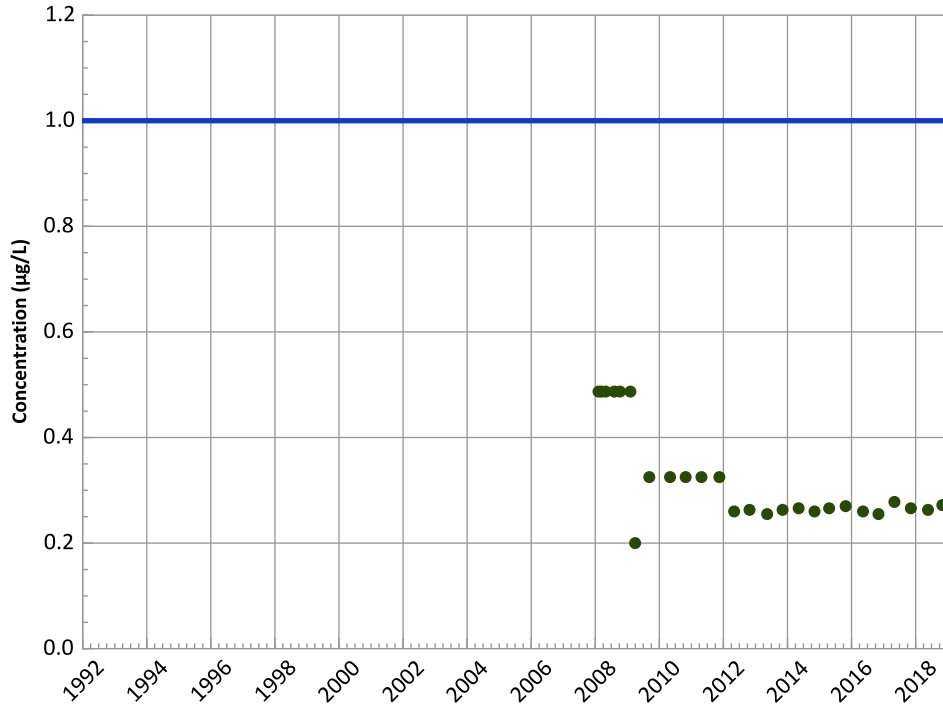
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

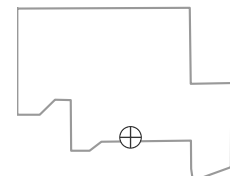
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

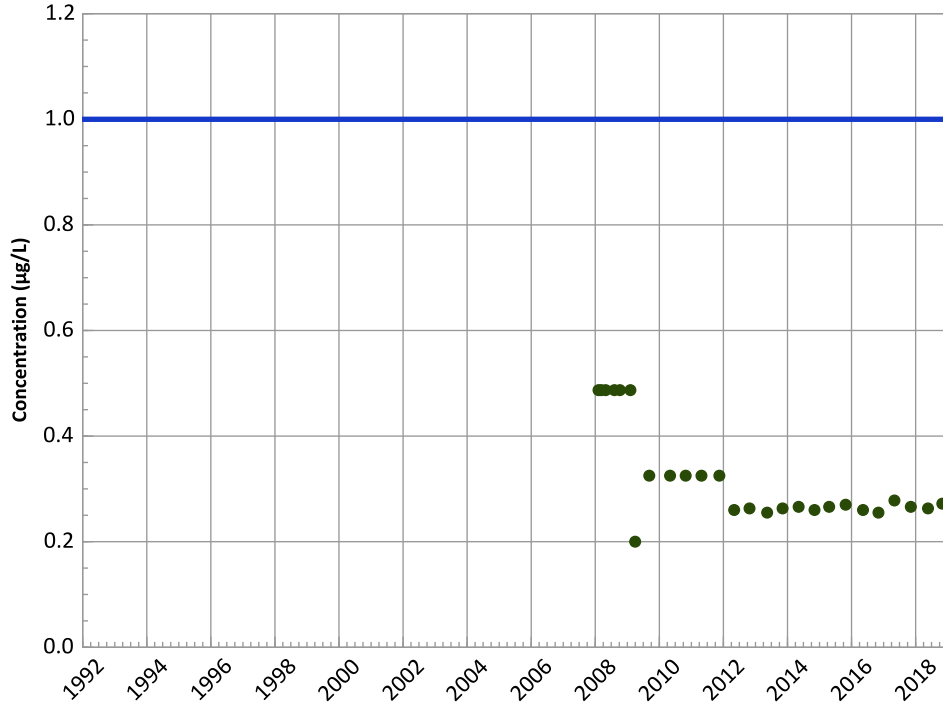


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

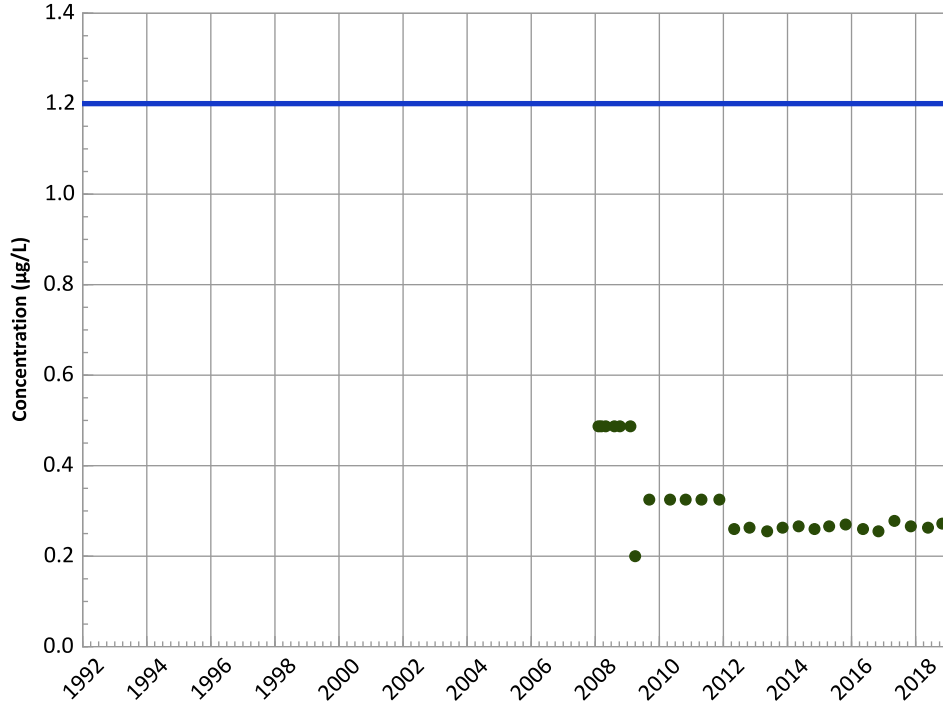
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

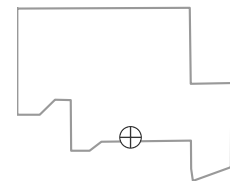
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

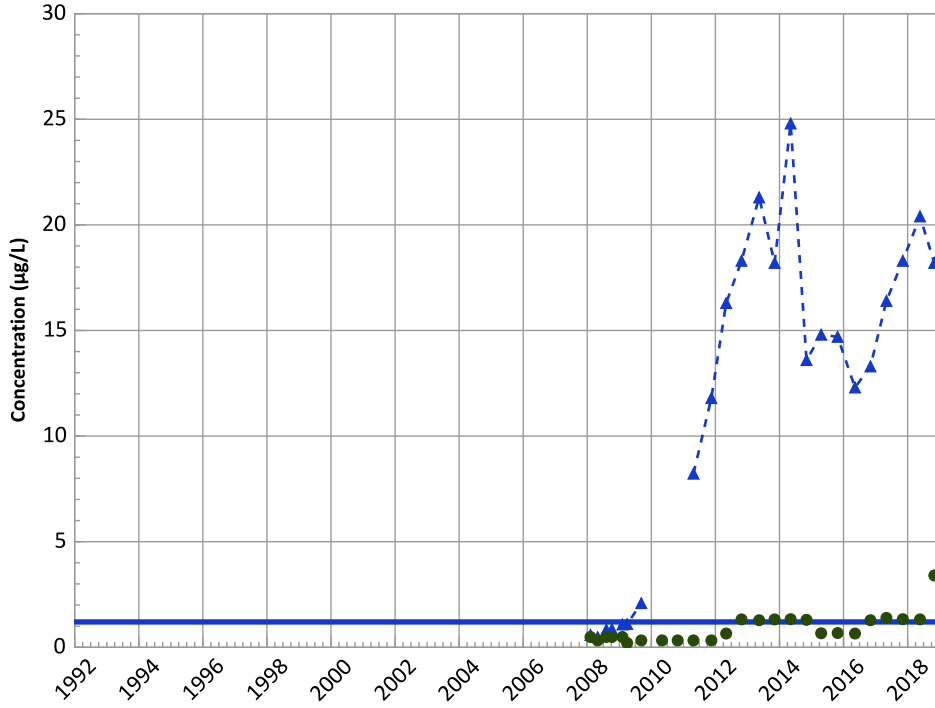


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

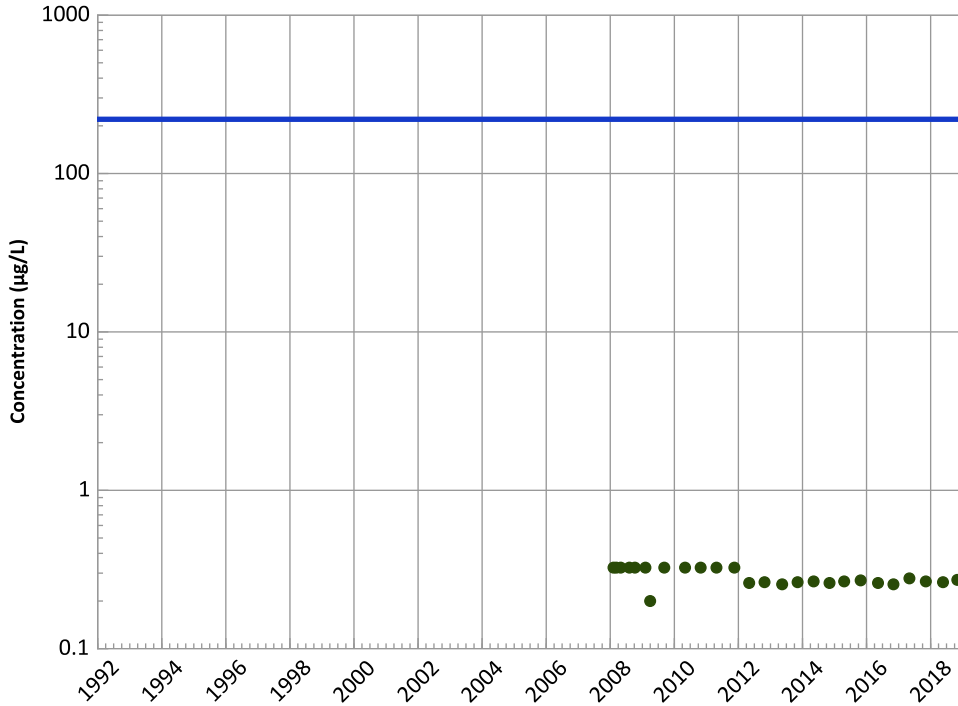
Data (2017 - 2021):

Decreasing

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

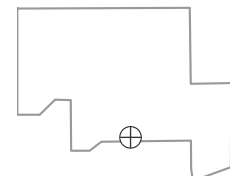
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

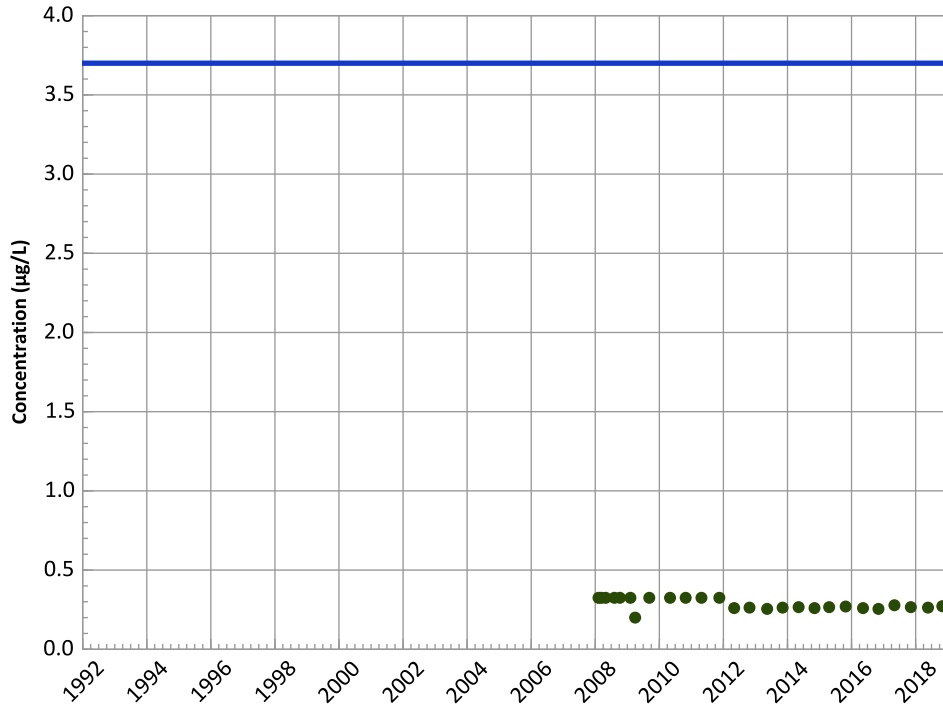


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

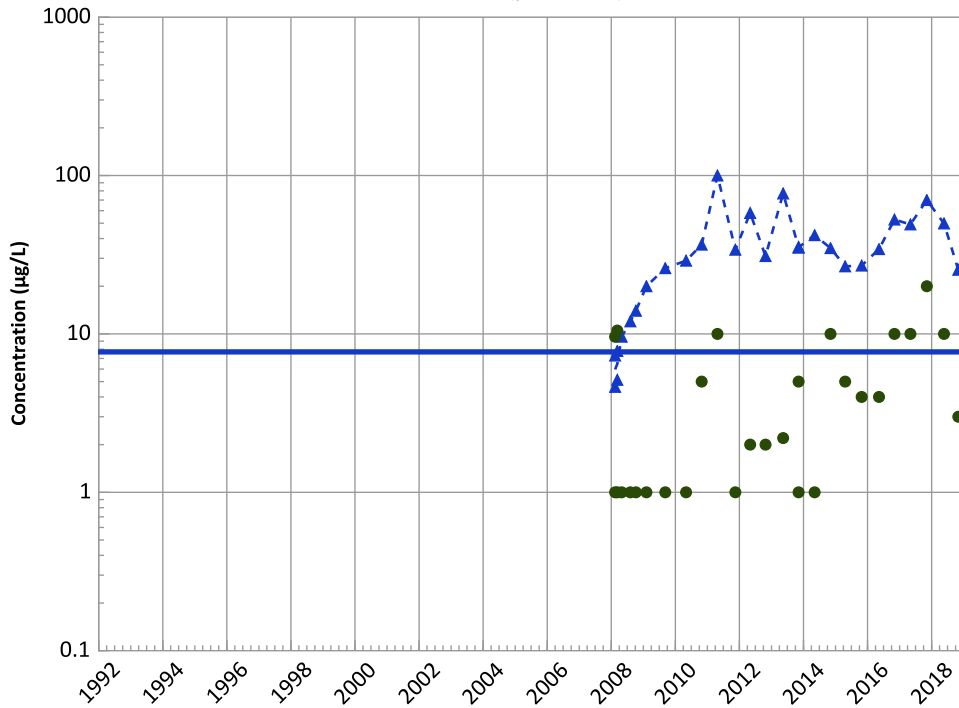
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

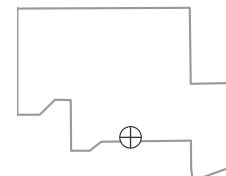
All Data:

Increasing

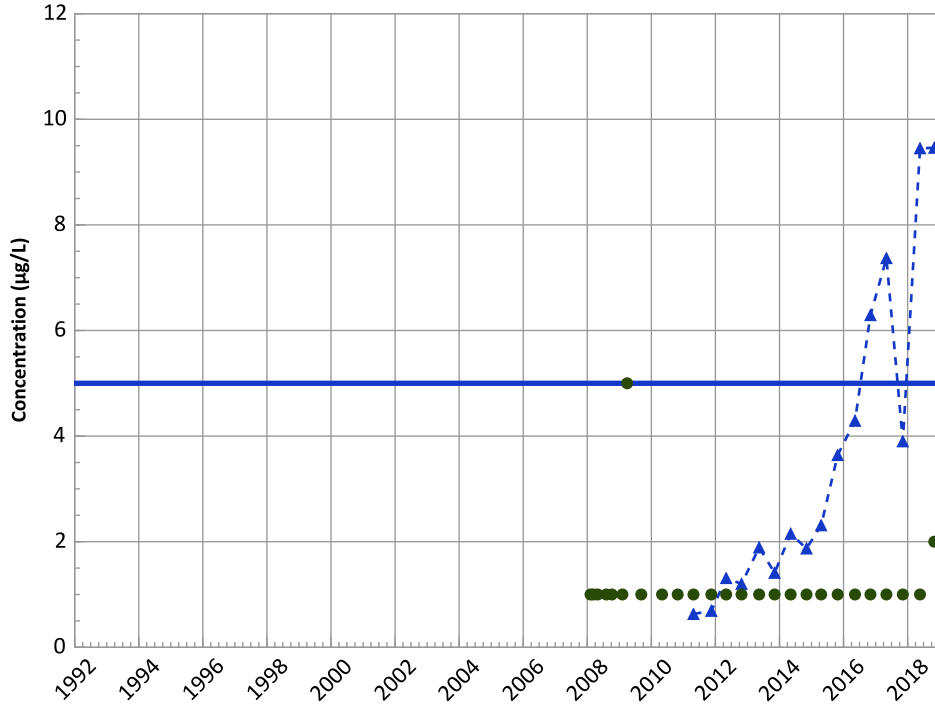
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

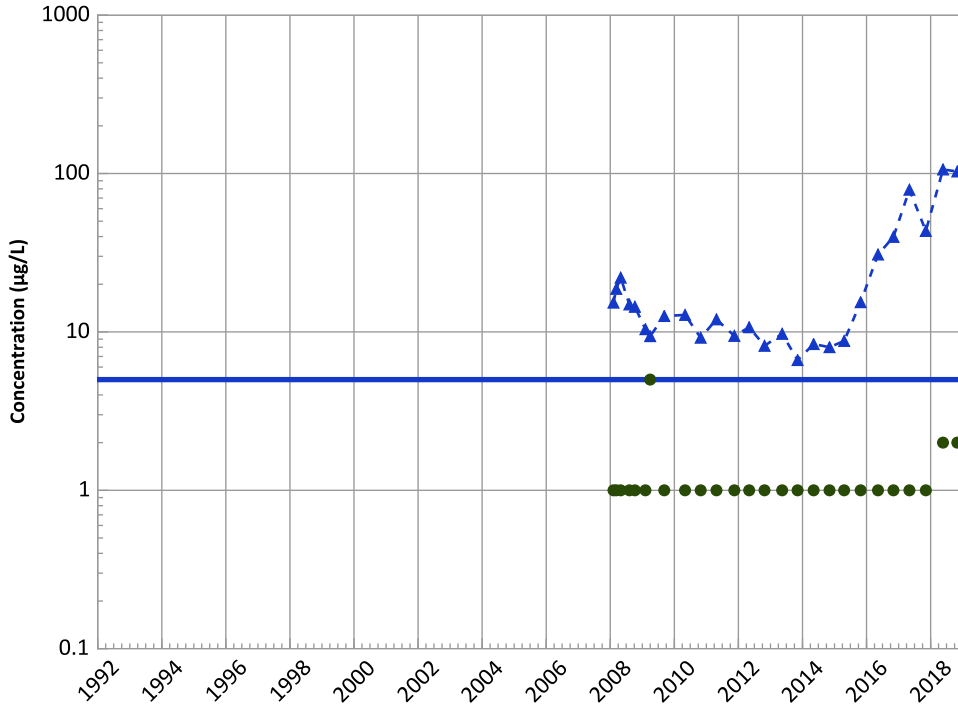
Data (2017 - 2021):

Increasing

All Data:

Increasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

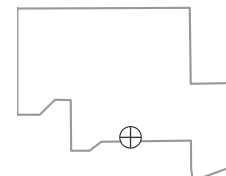
All Data:

Increasing

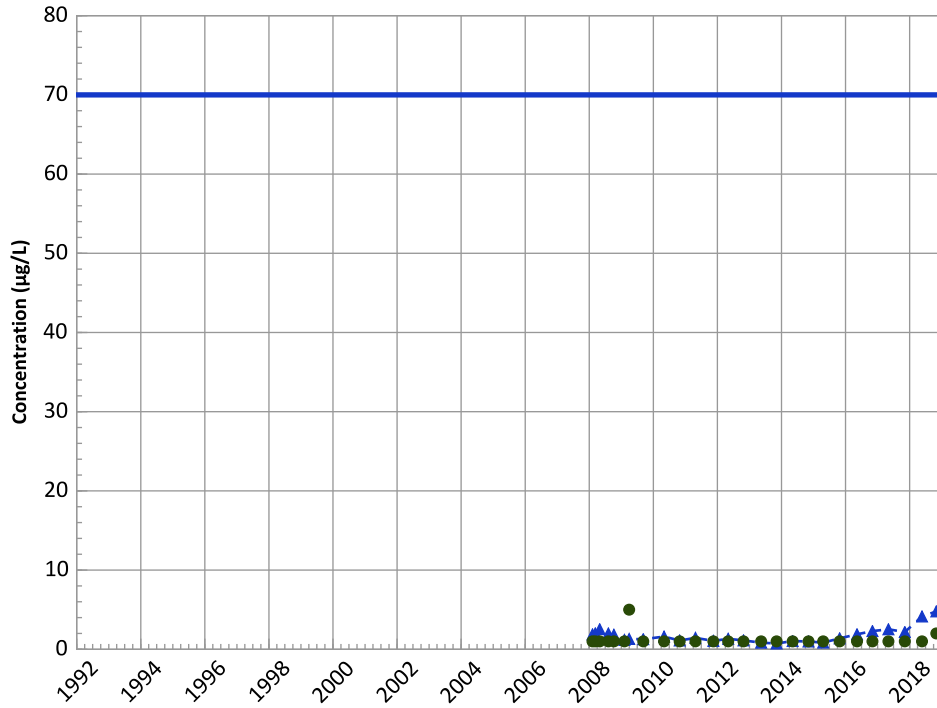
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

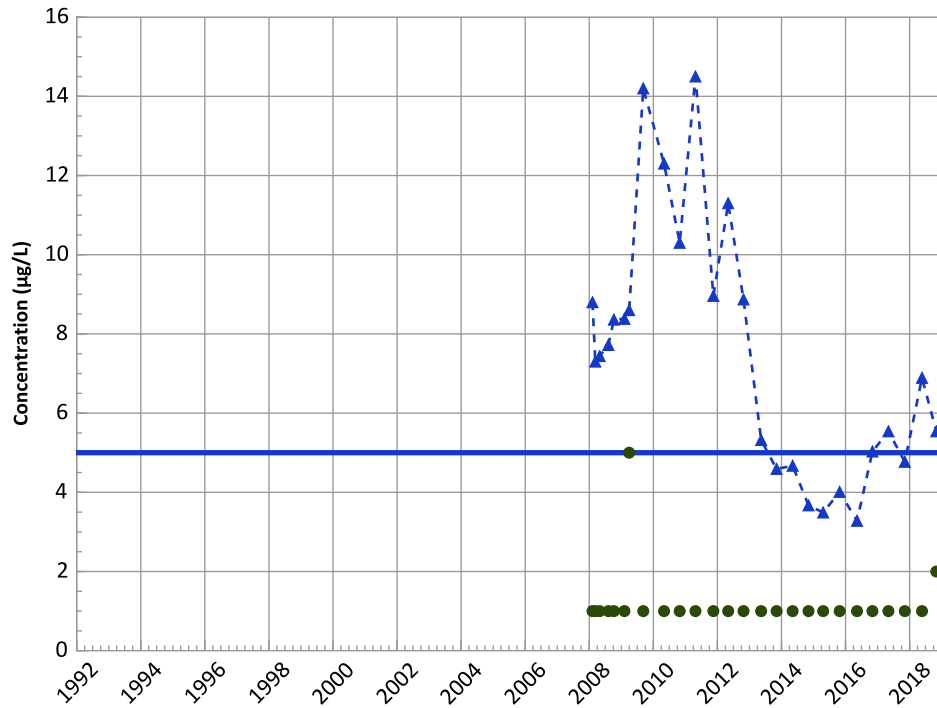
Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

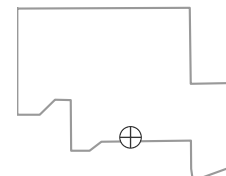
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

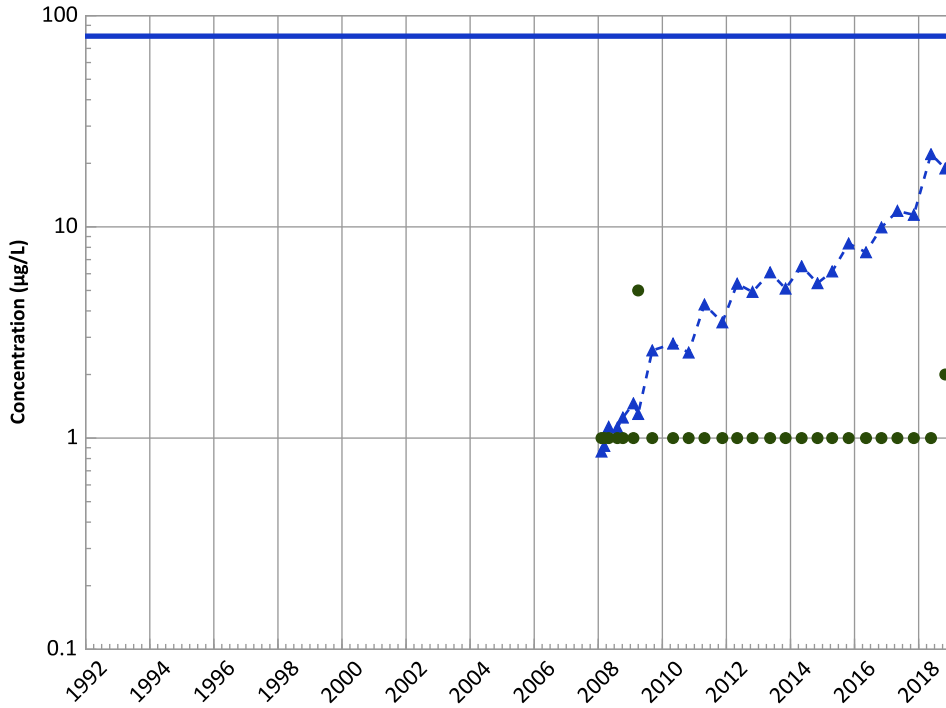
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

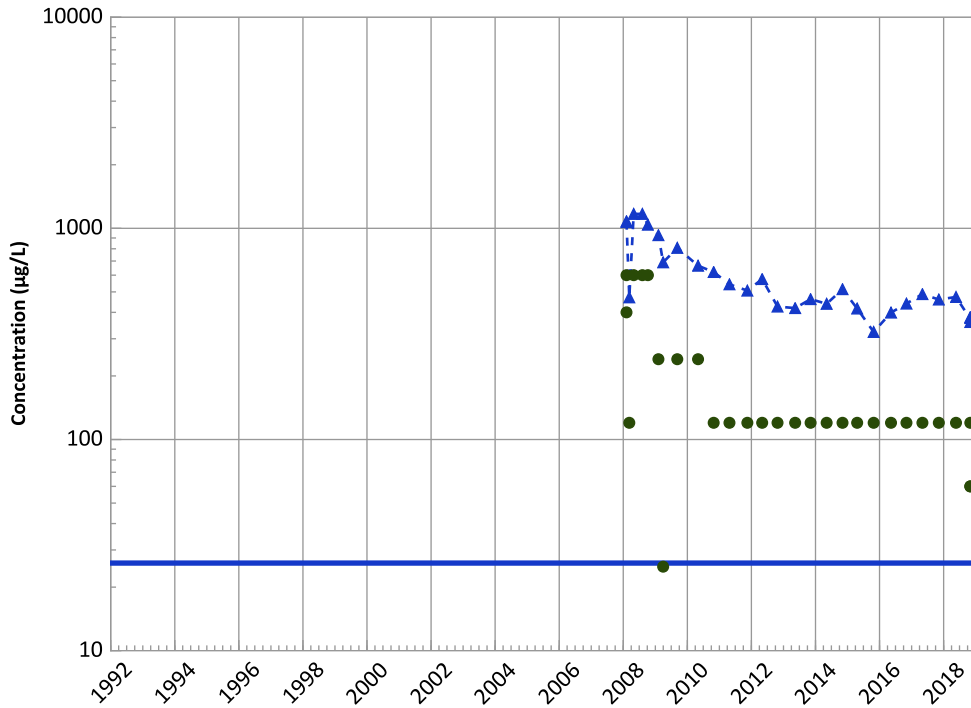


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Perchlorate Trend



Concentration Trend

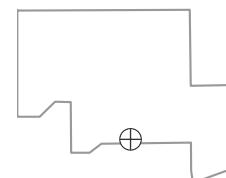
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

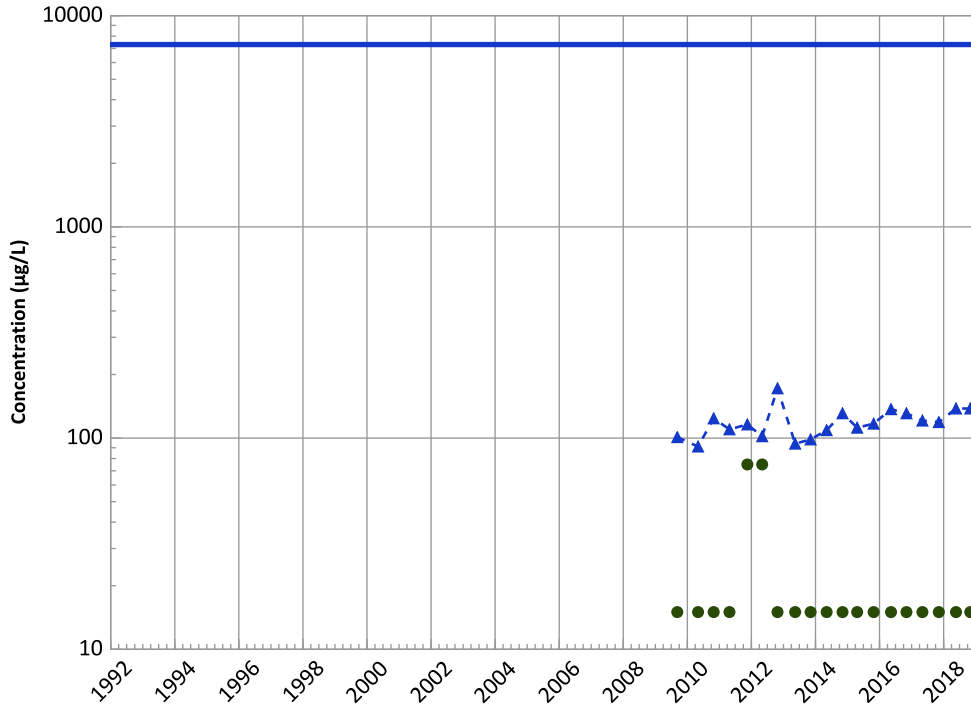
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

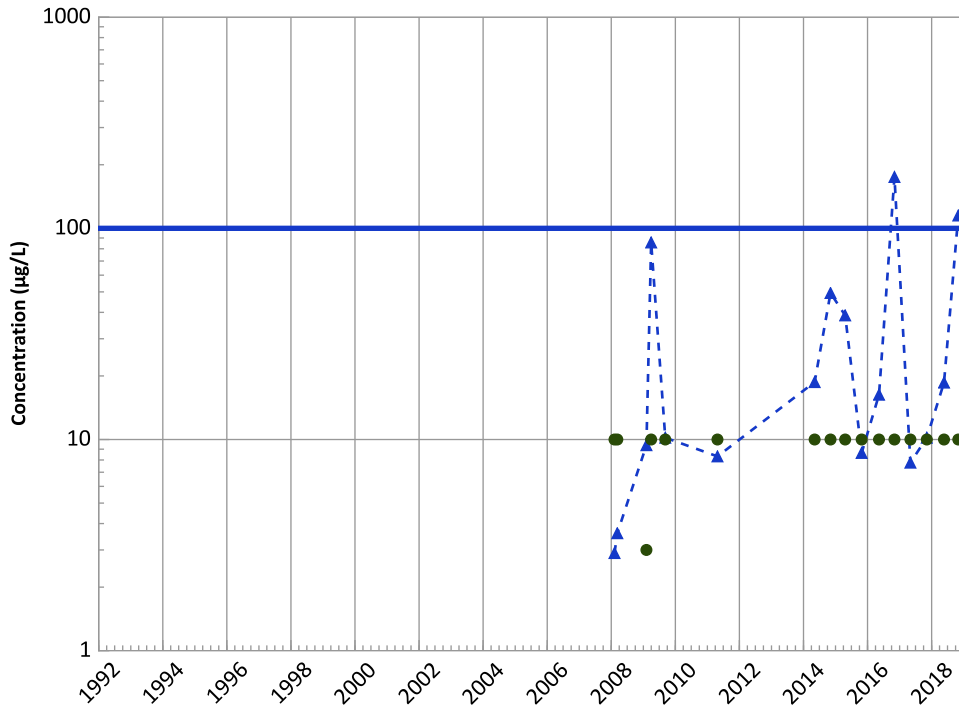
Data (2017 - 2021):

No Trend

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

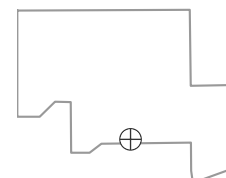
Data (2017 - 2021):

No Trend

All Data:

Increasing

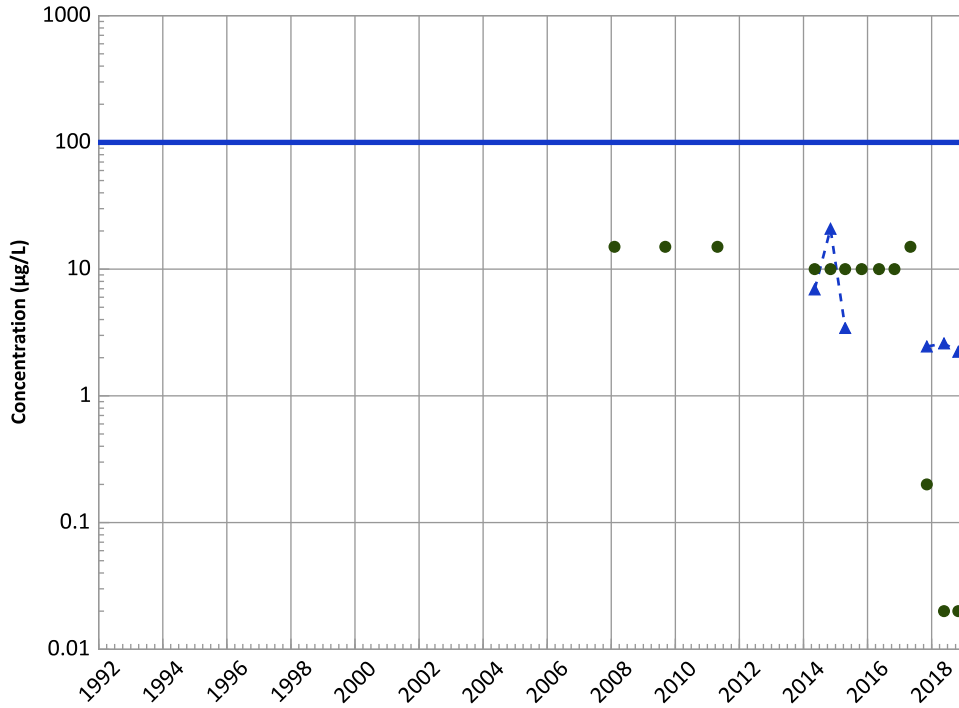
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1127 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**

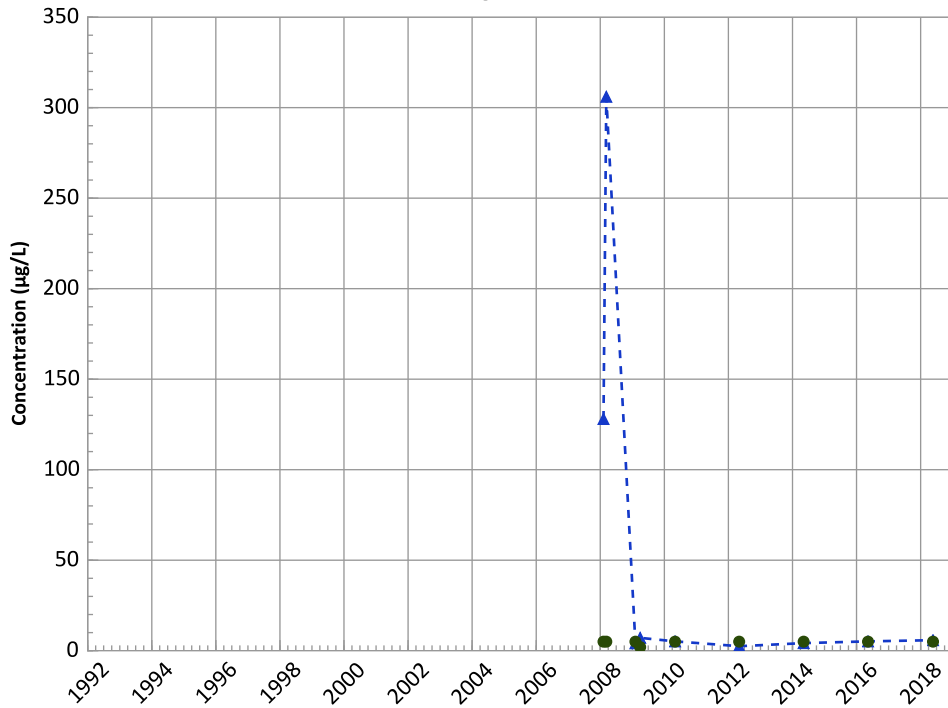


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend

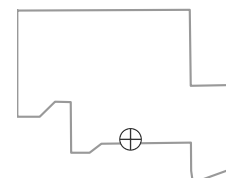


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

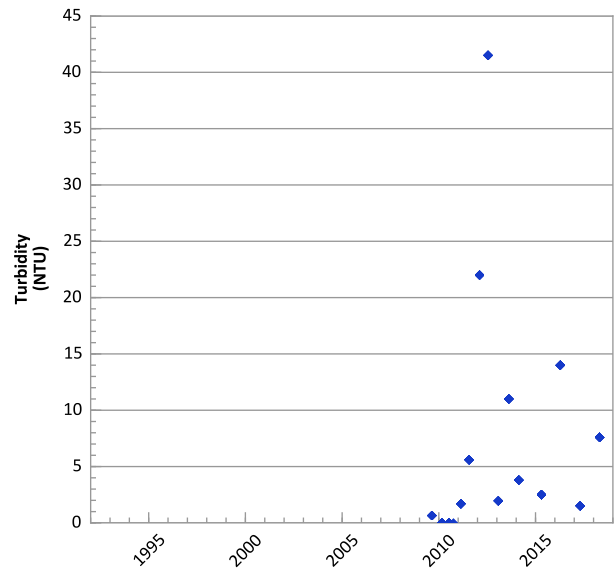
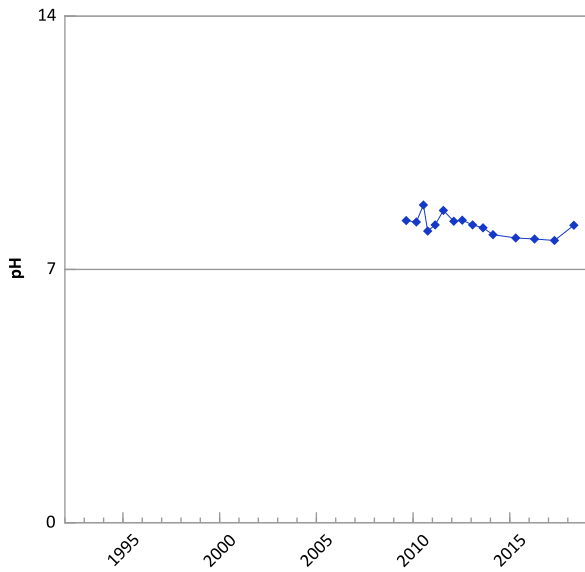
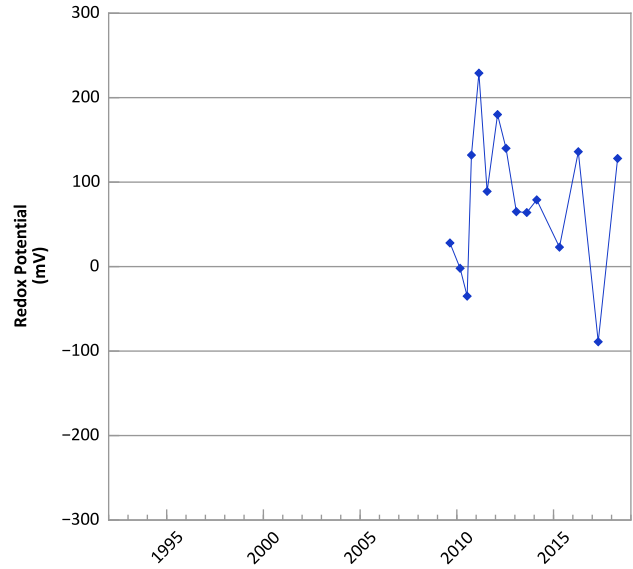
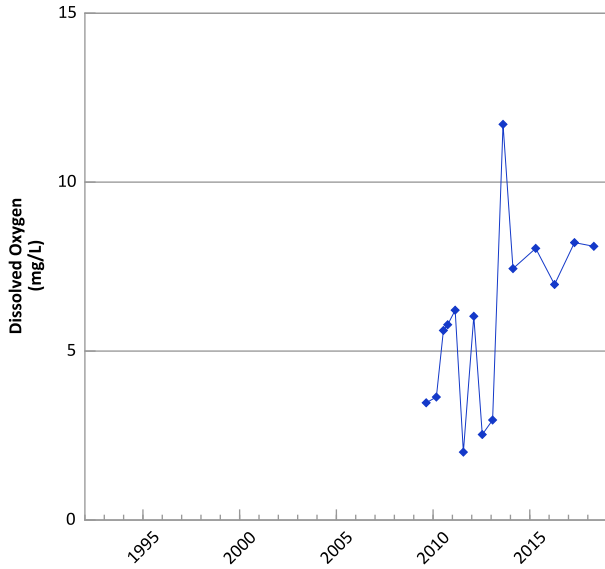
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/07/2008 to 11/01/2018
Analysis Date: 02/14/2019

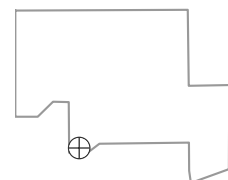
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



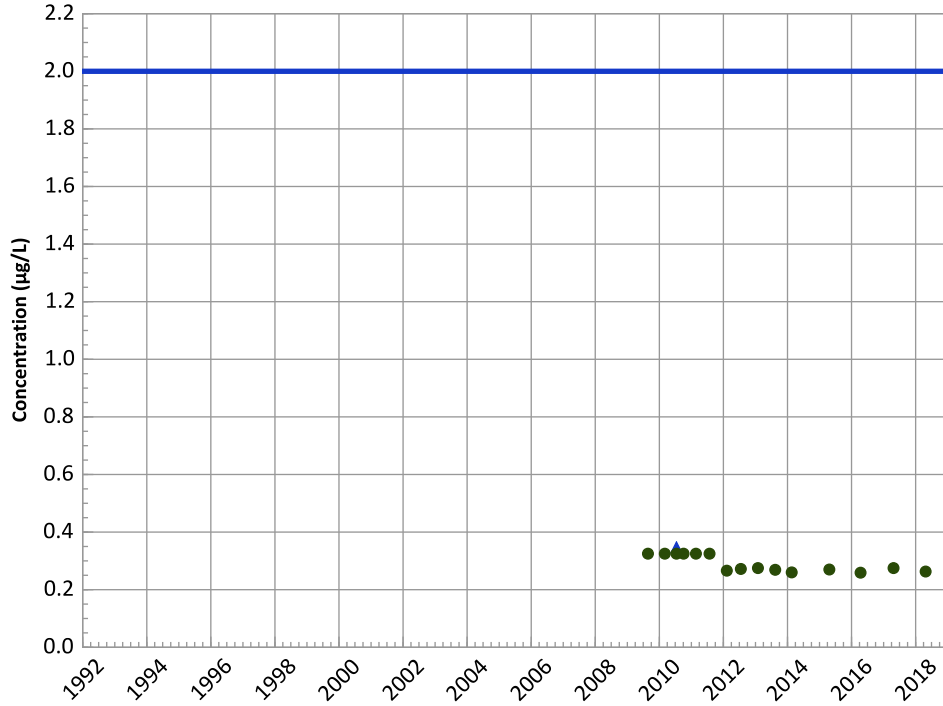
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/24/2009 to 04/25/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

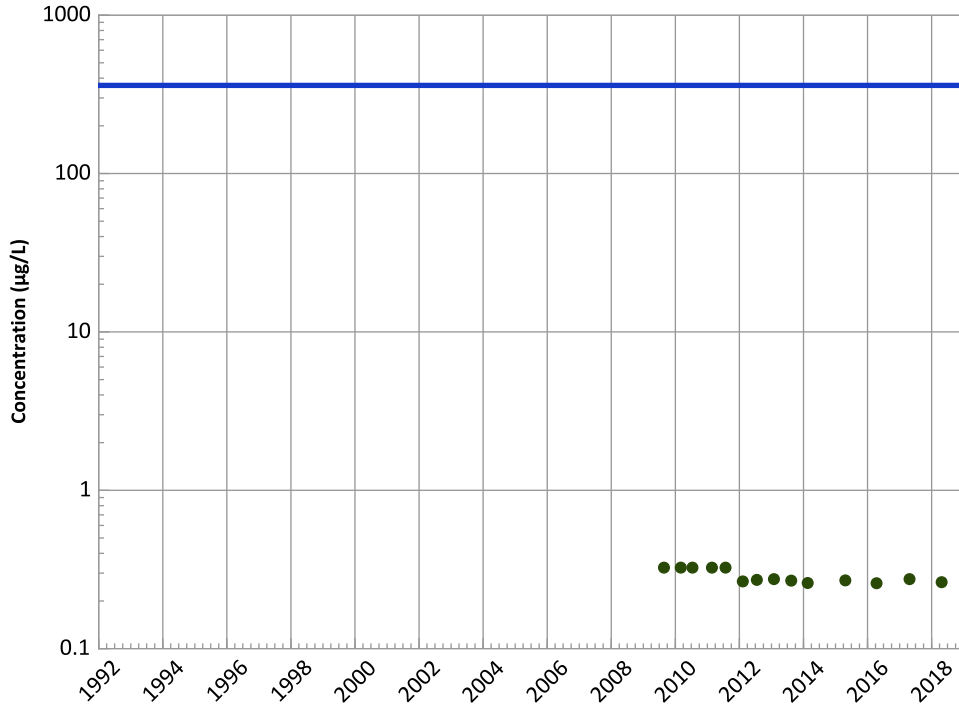
Data (2017 - 2021):

All Non-Detect

All 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

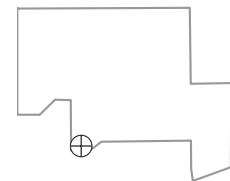
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

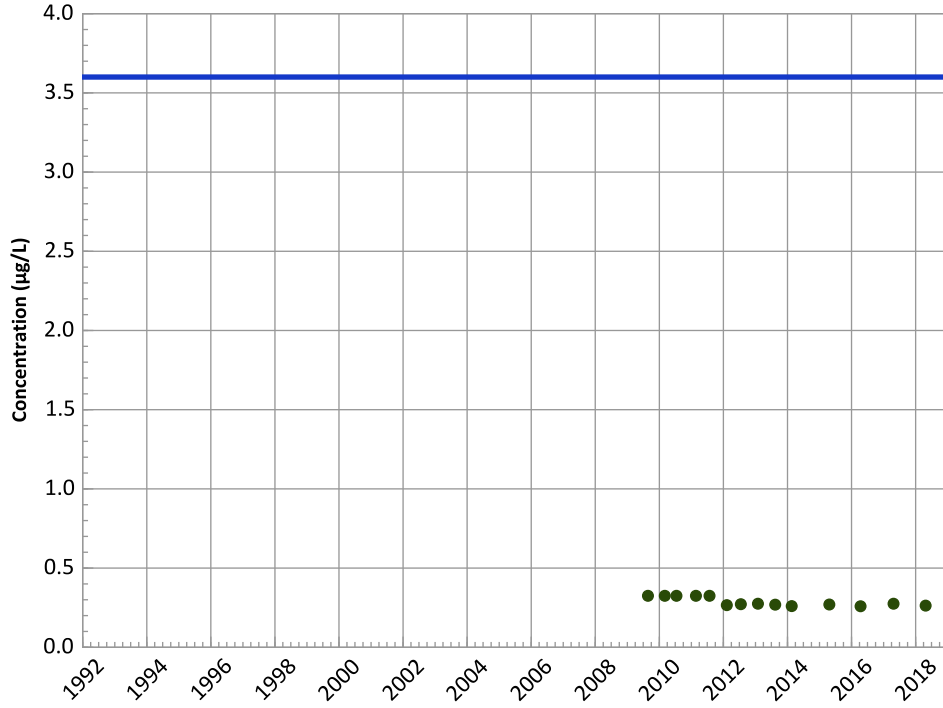
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1131 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

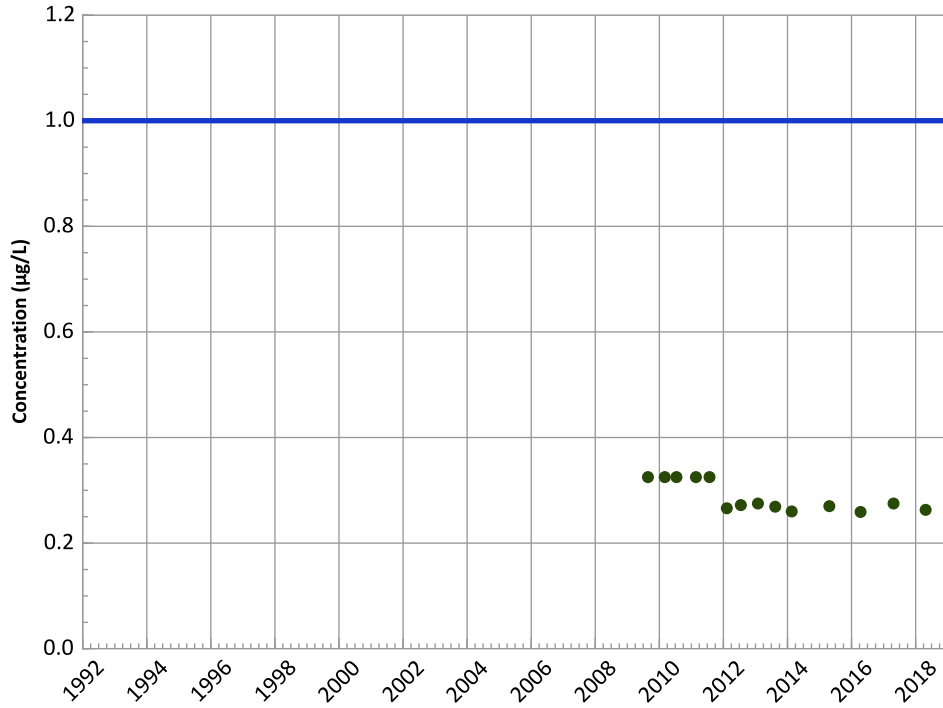
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

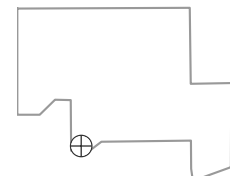
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

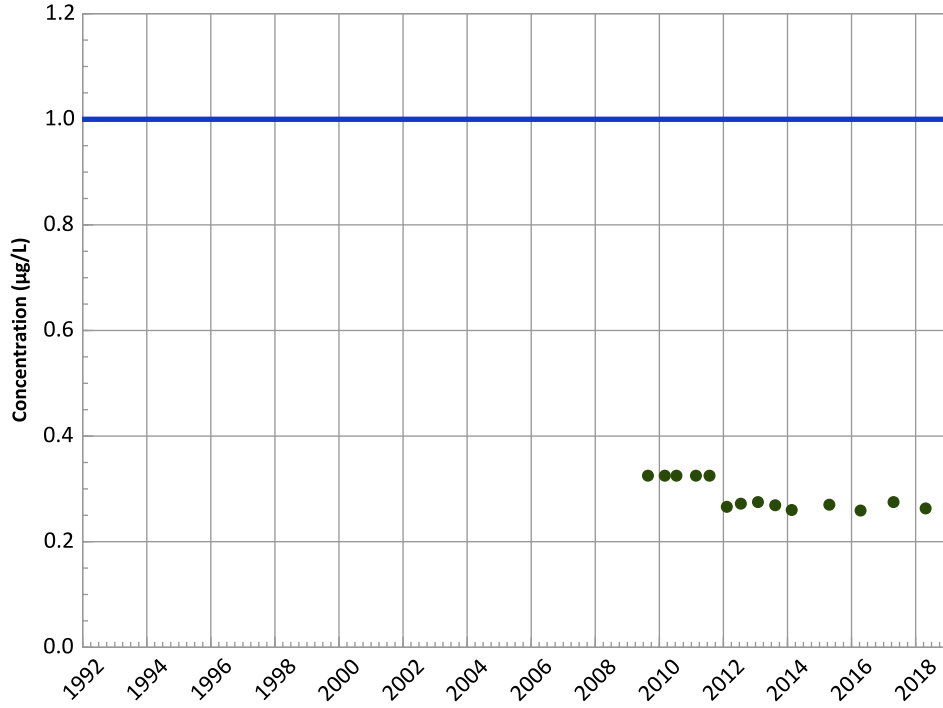
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1131 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

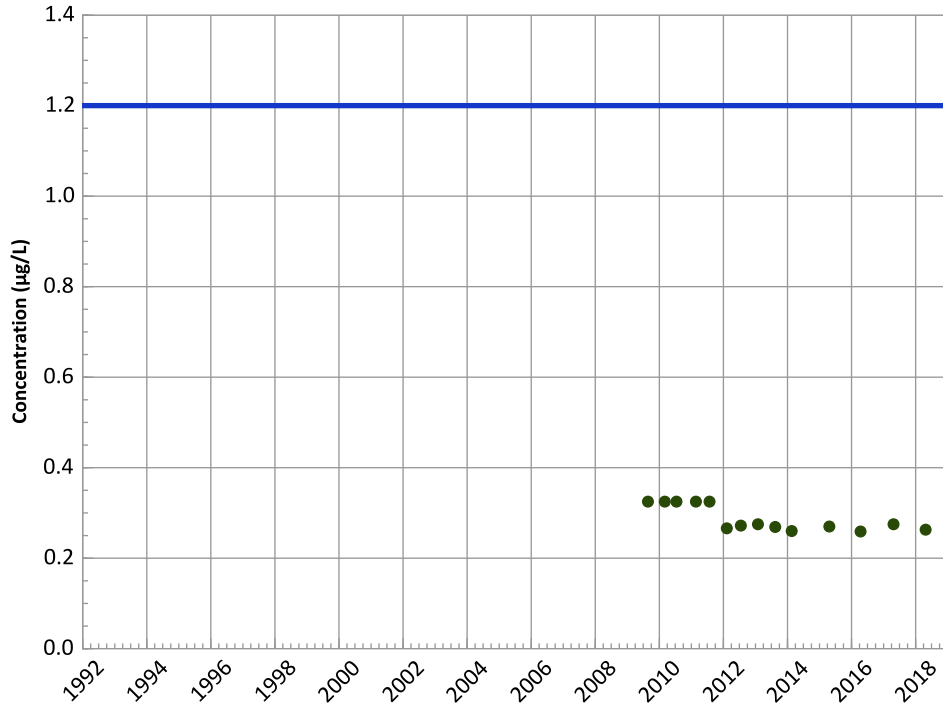
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

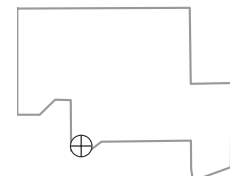
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

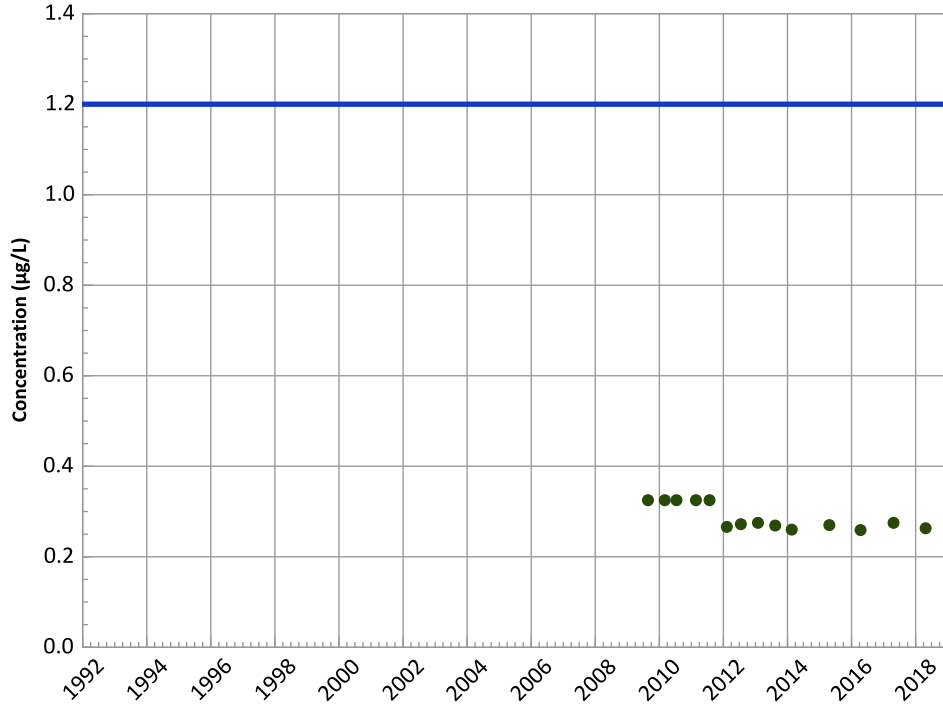


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1131 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

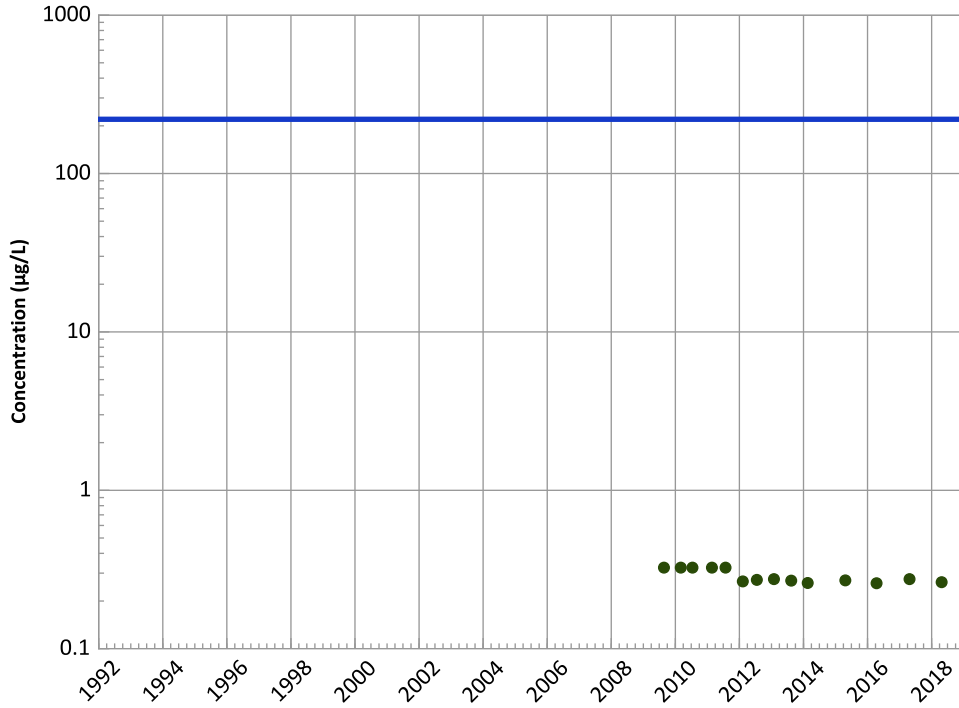
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

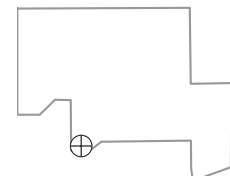
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

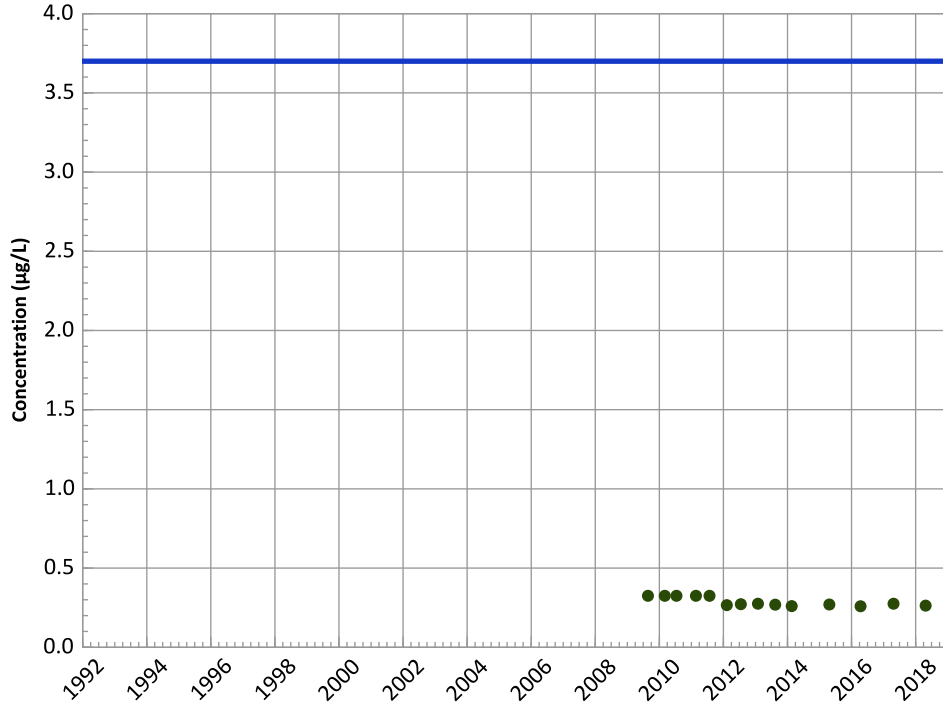
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1131 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

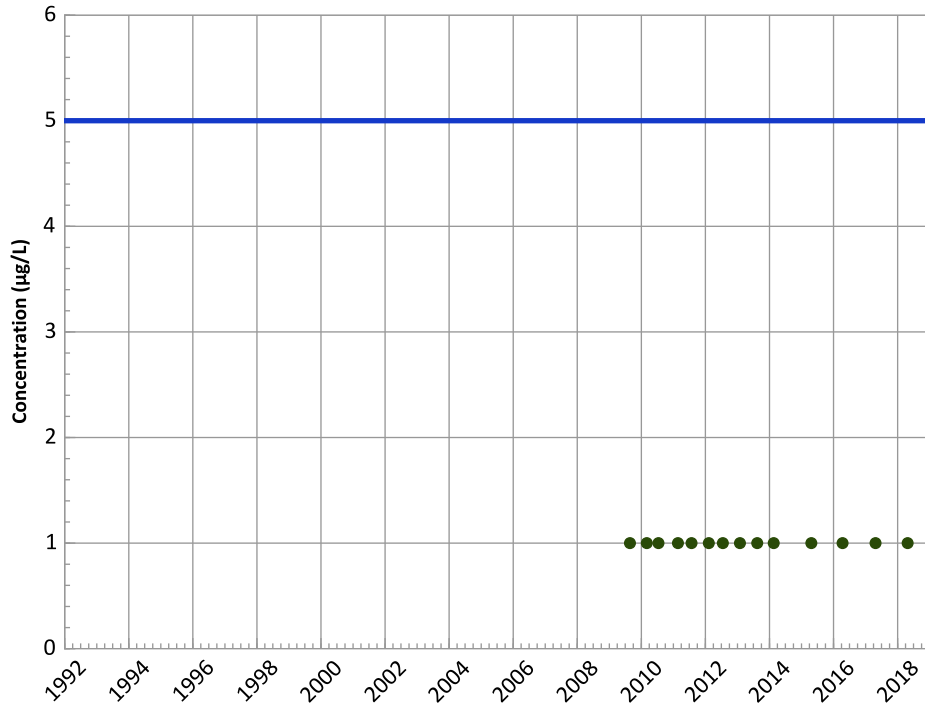
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

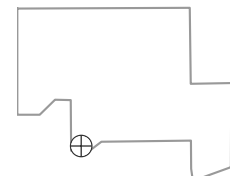
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

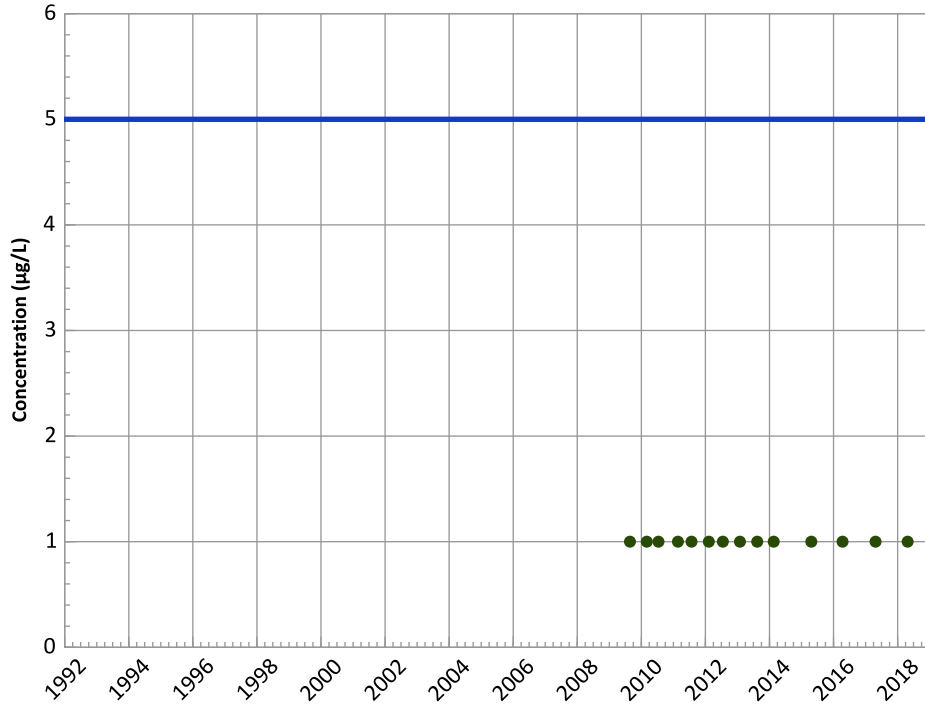
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1131 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

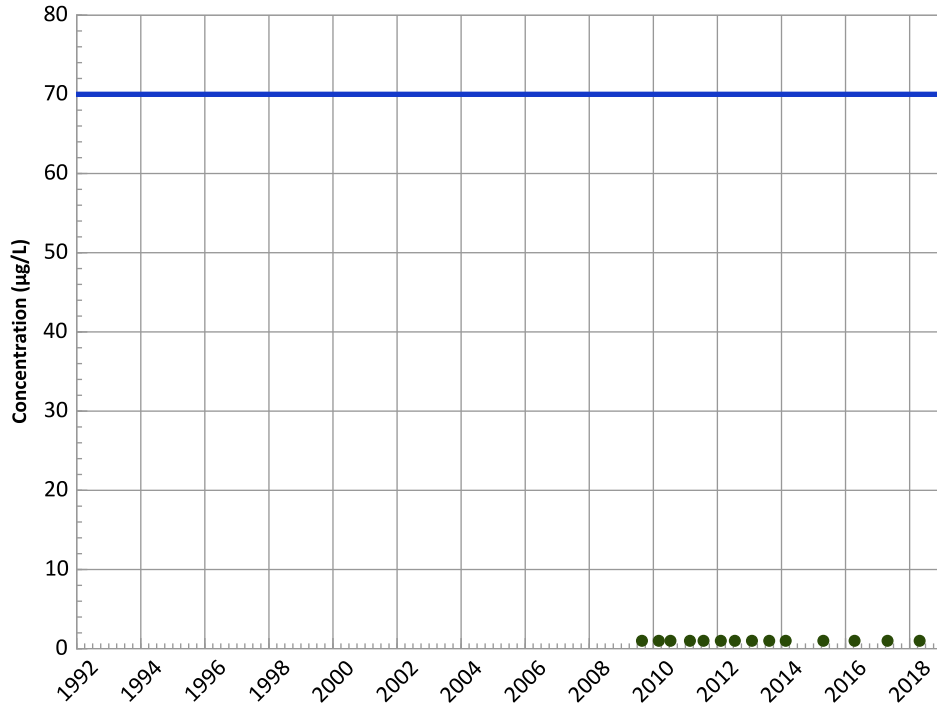
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

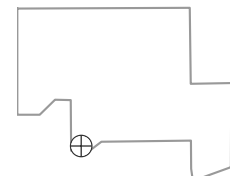
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

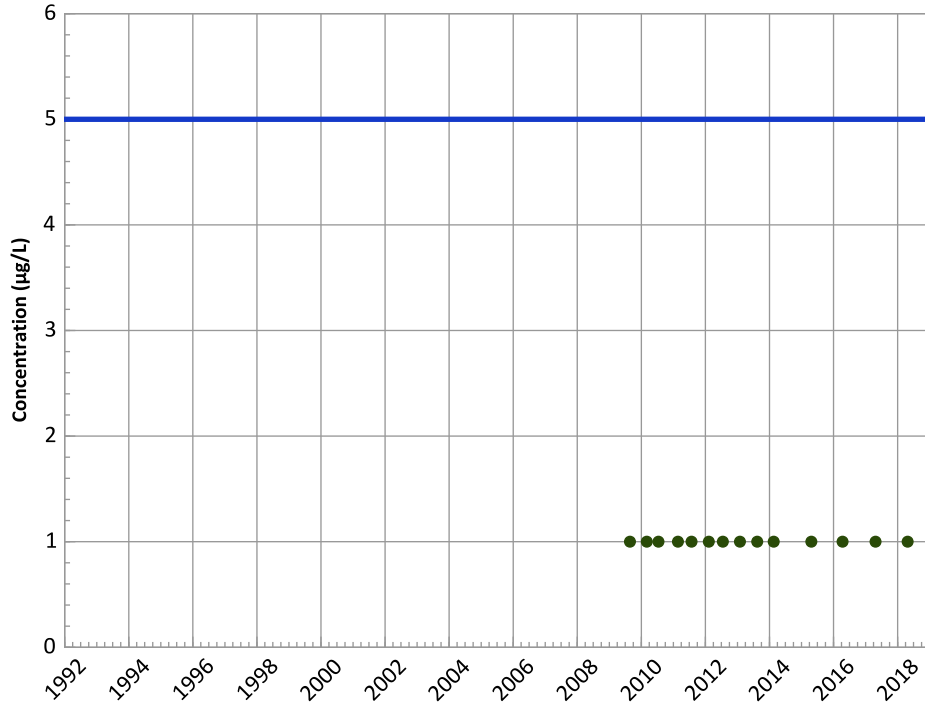
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1131 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

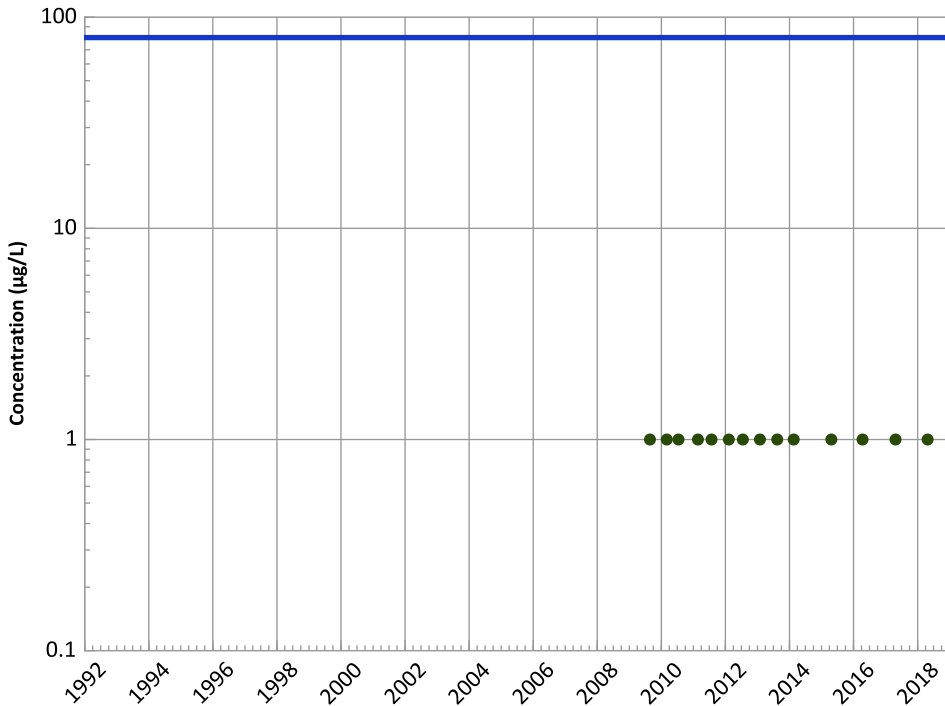
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

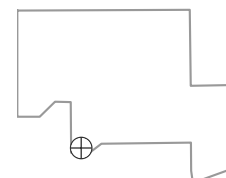
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

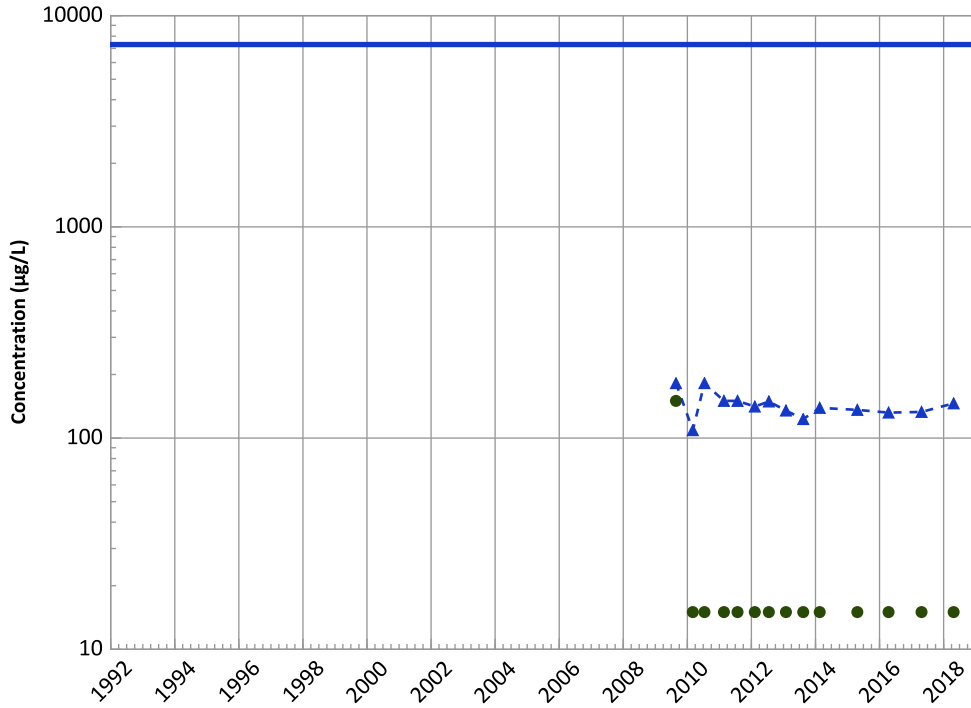


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1131 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

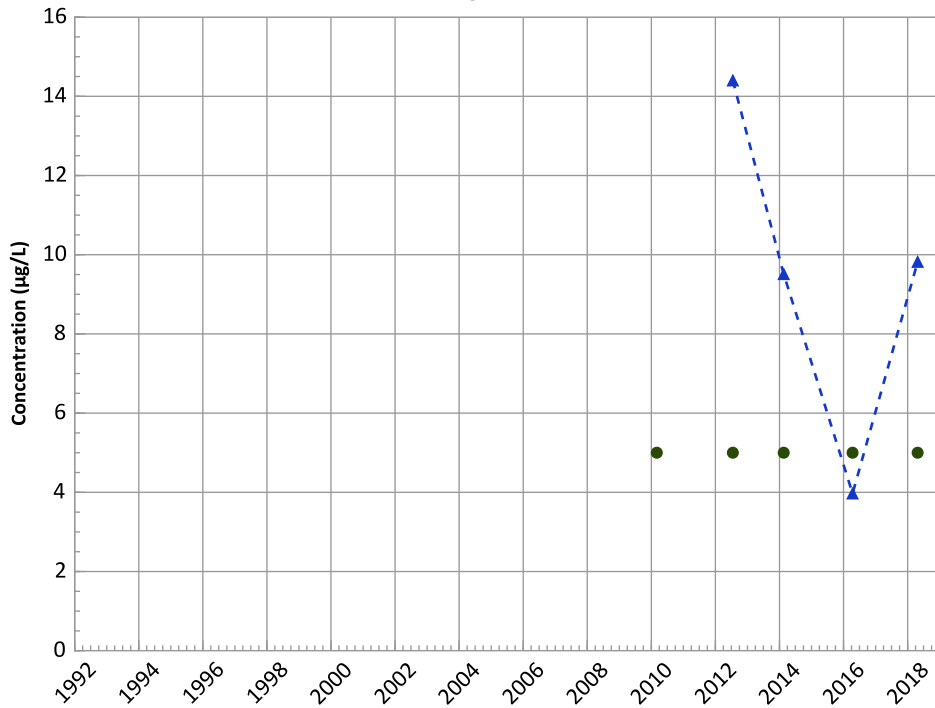
Data (2017 - 2021):

Stable

All Data:

Stable

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

No Trend

MAROS Linear Regression Method

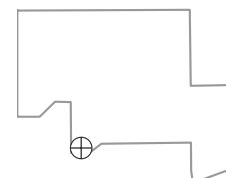
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Stable

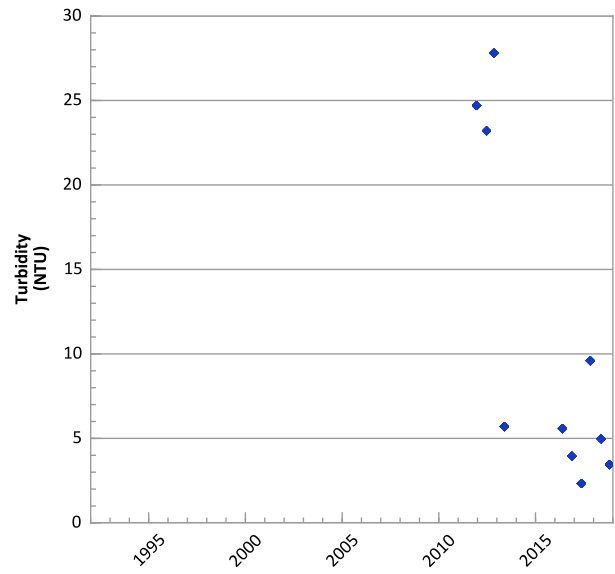
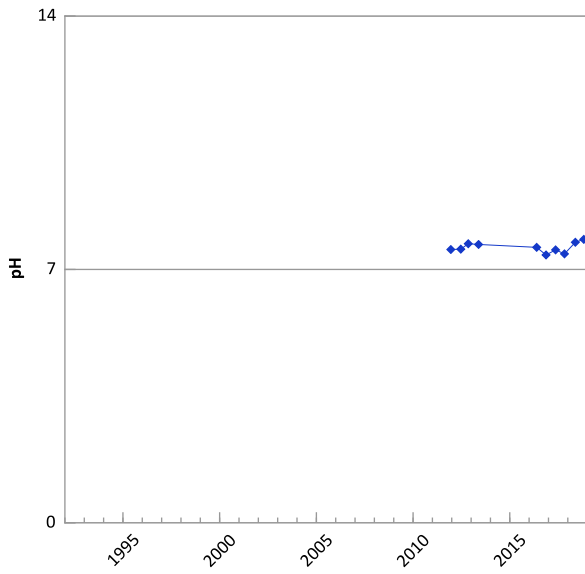
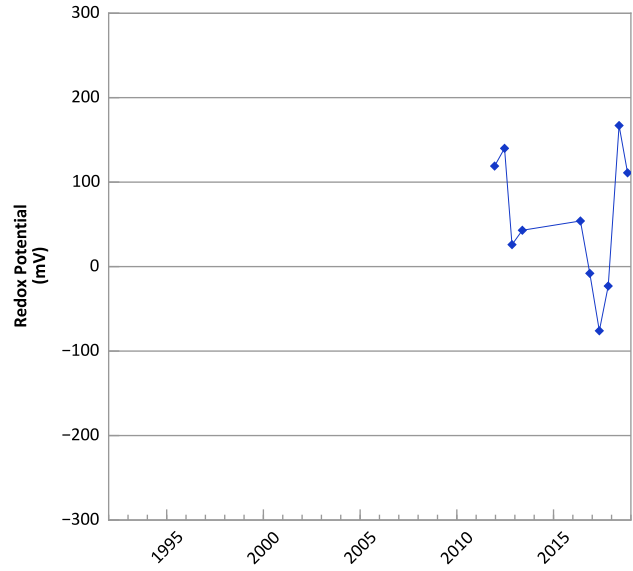
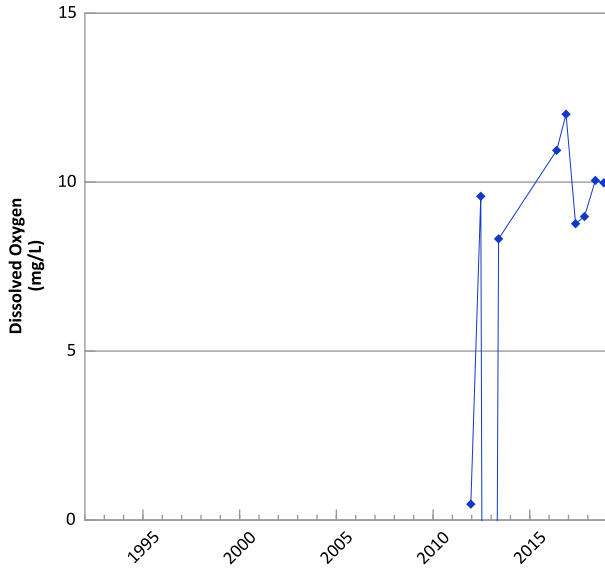
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/24/2009 to 04/25/2018
Analysis Date: 02/14/2019

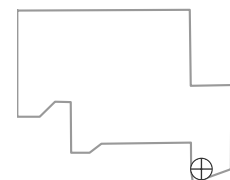
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



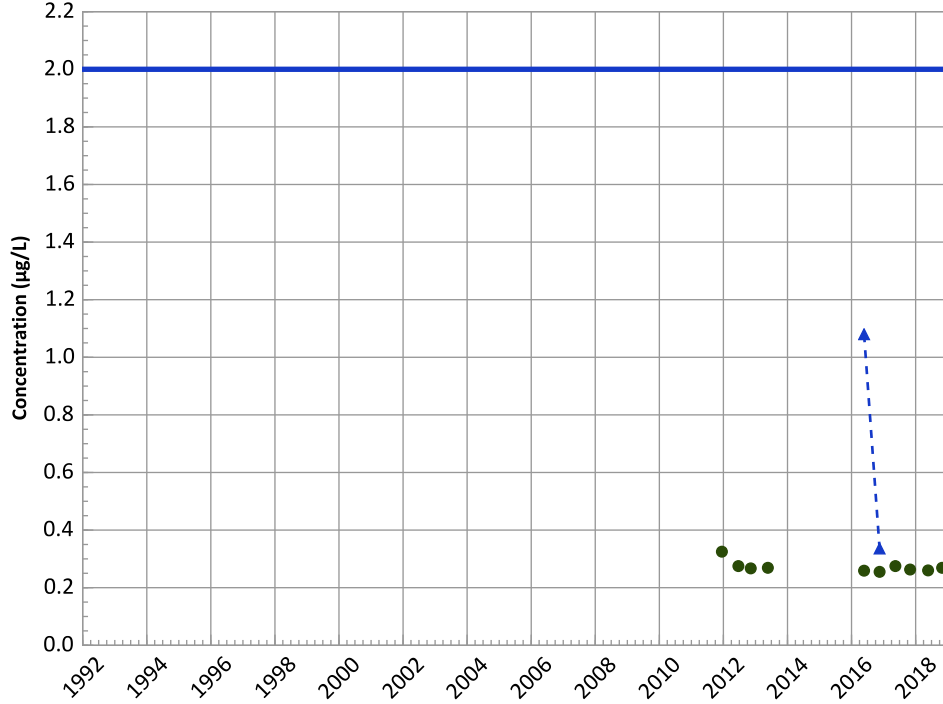
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/15/2011 to 10/30/2018
 Analysis Date: 02/14/2019

Well Location



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

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

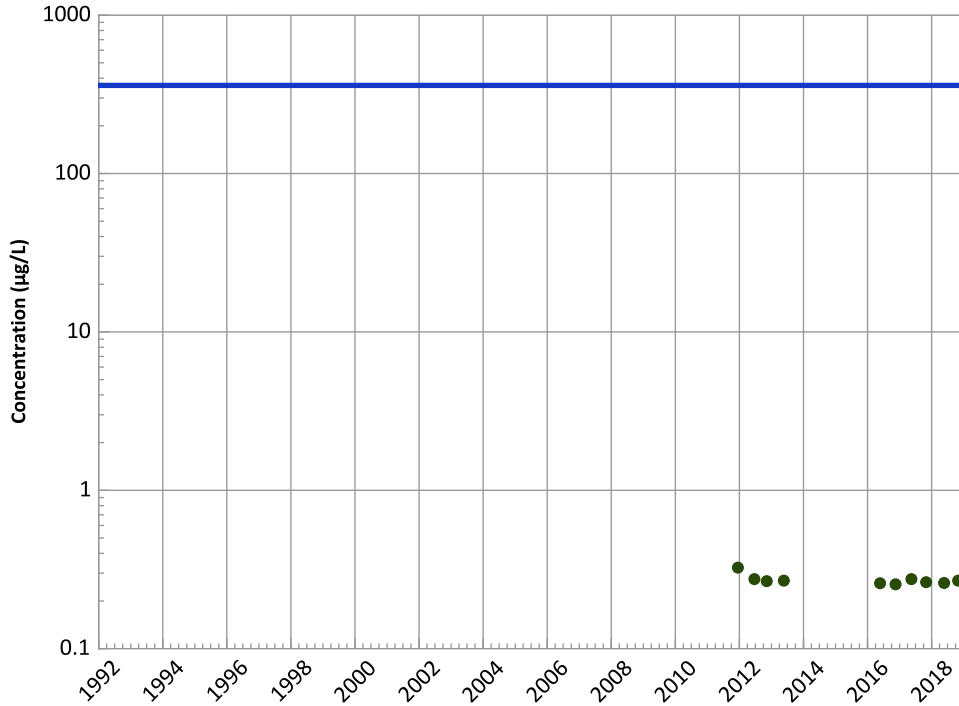


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

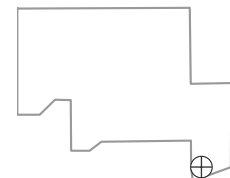


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

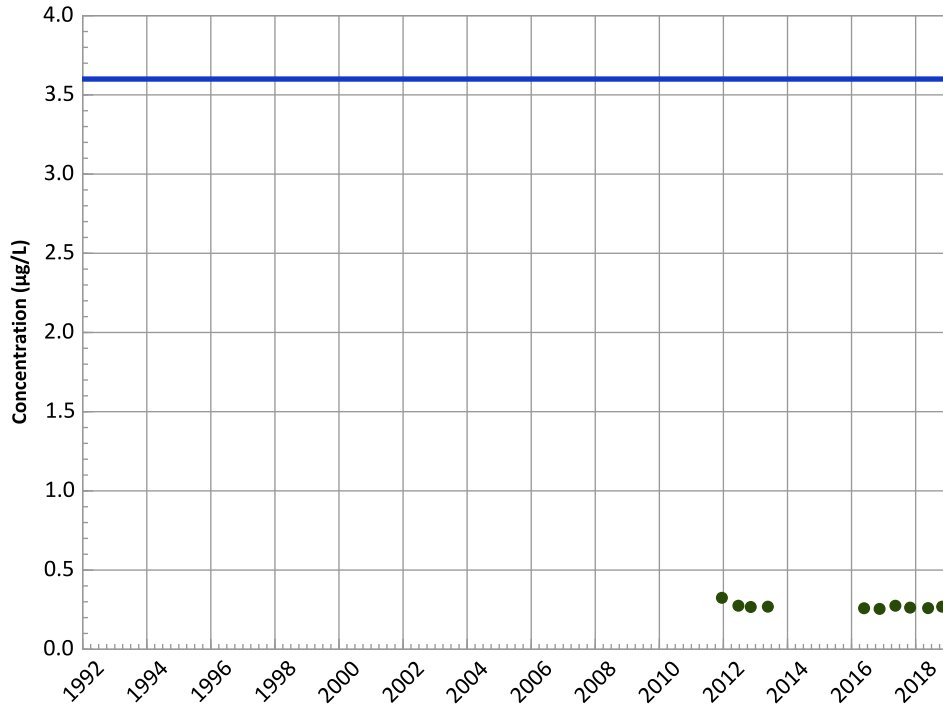


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

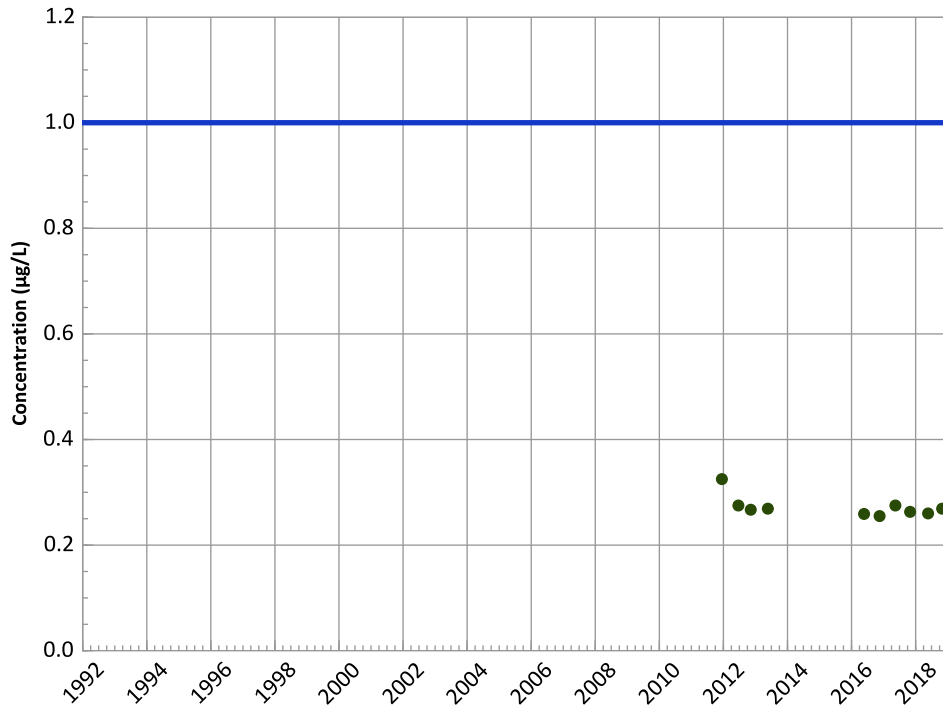
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

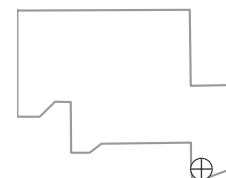
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

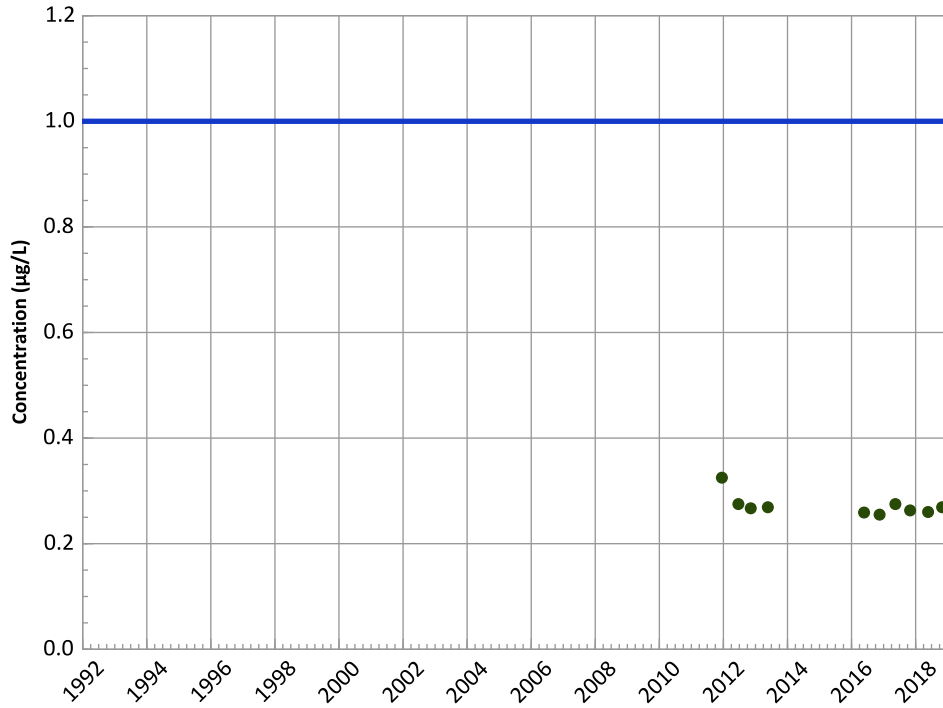
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

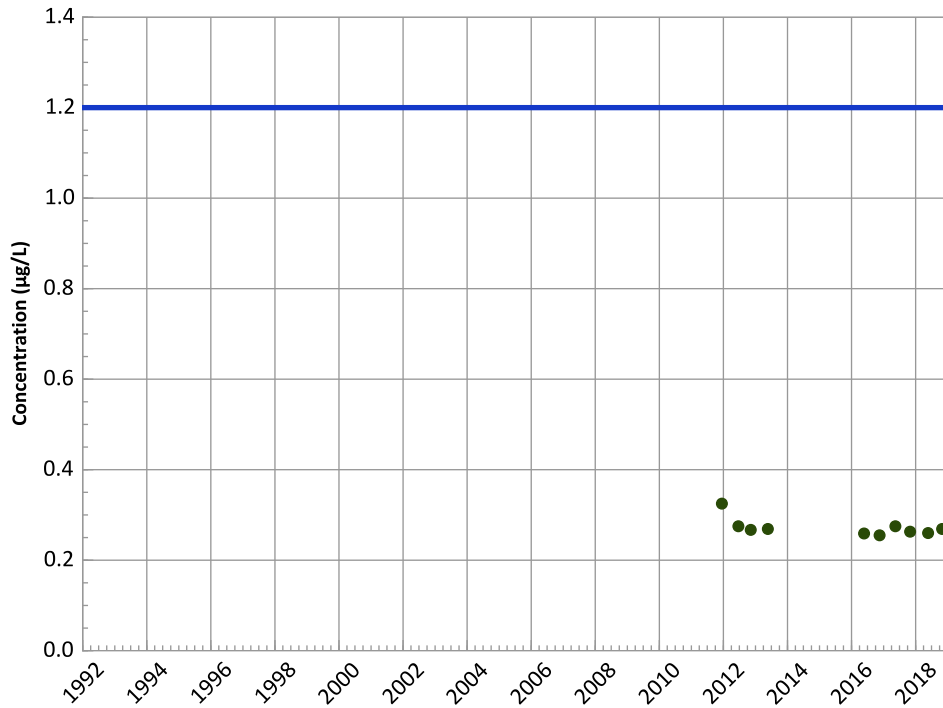
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

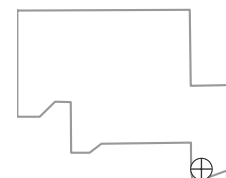
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

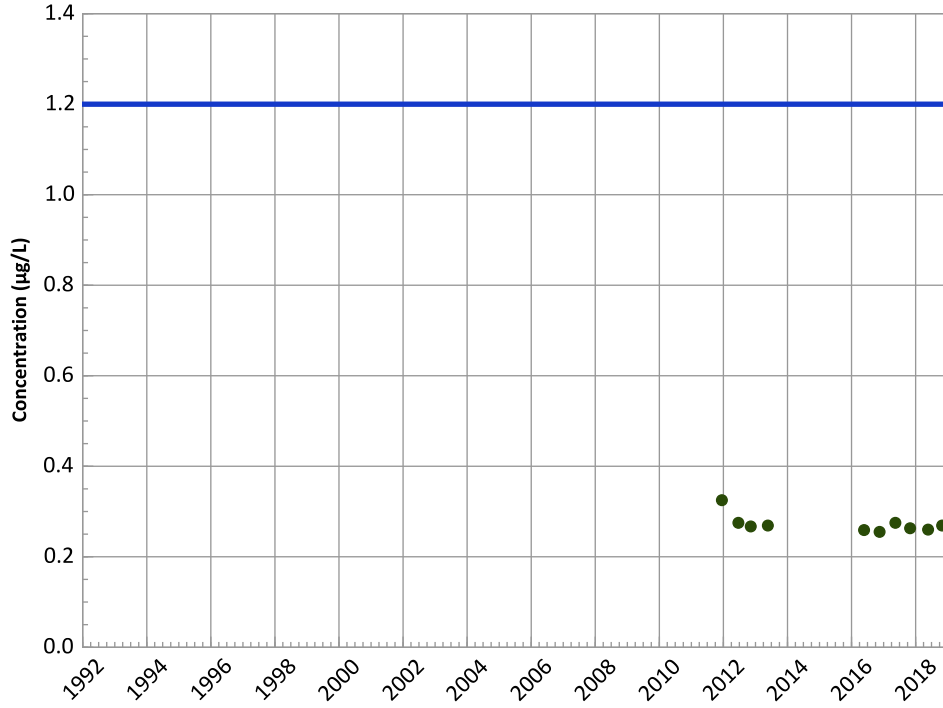


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

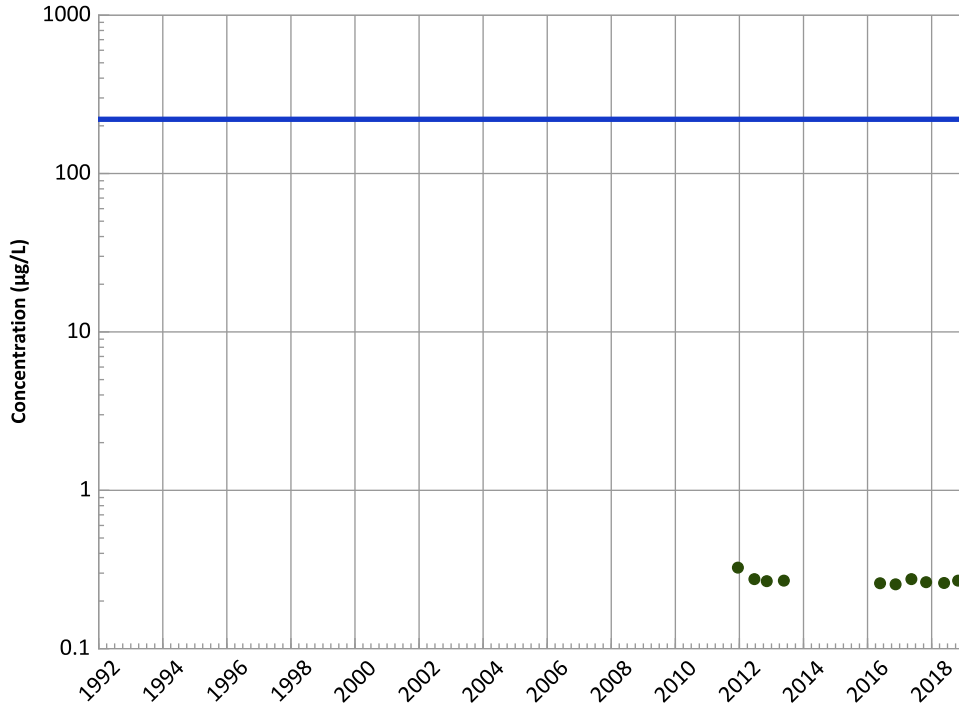
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

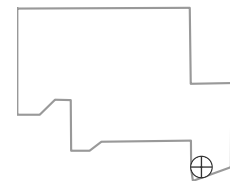
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

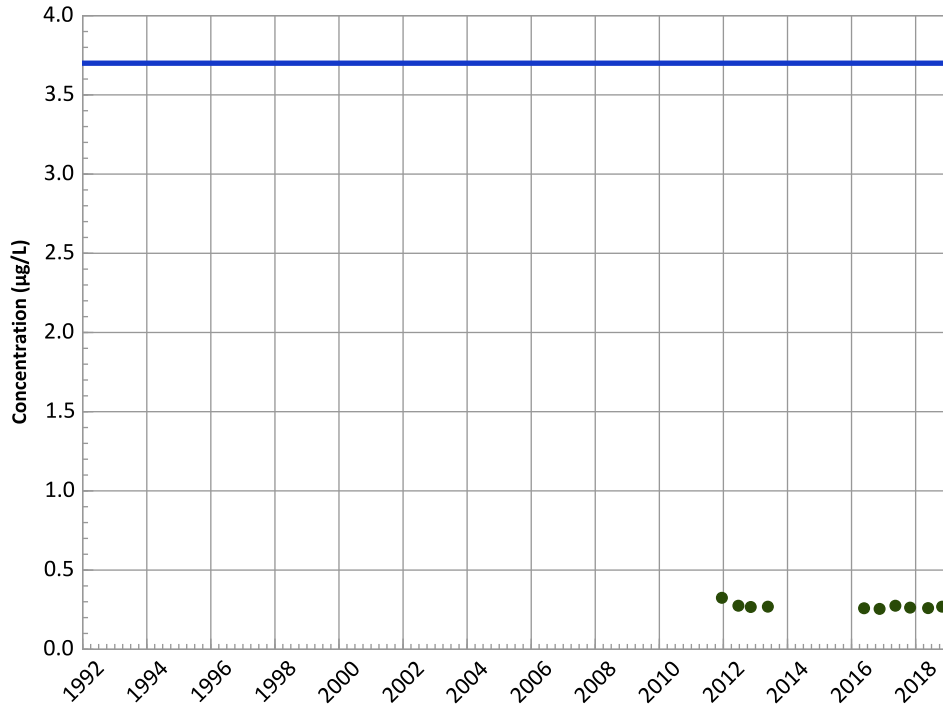


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

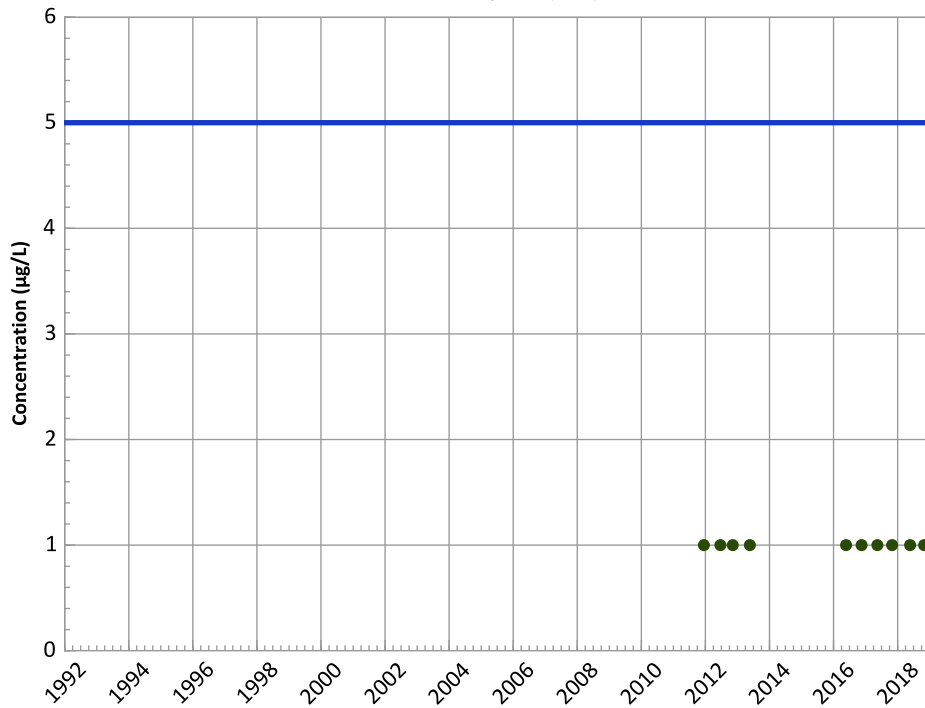
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

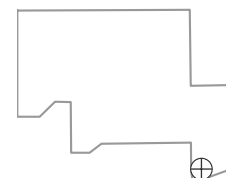
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

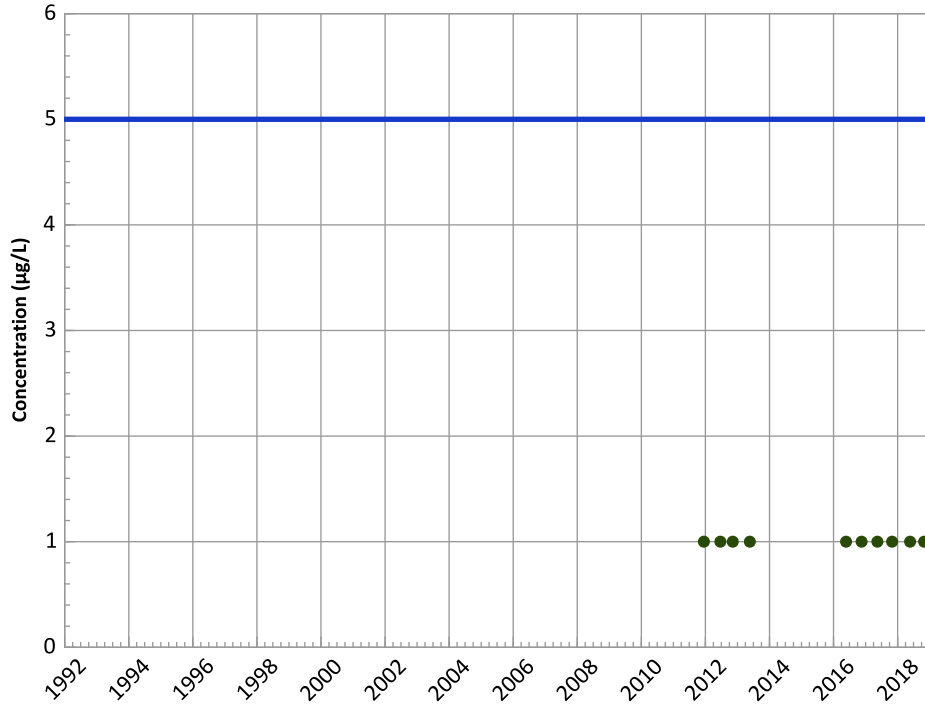
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

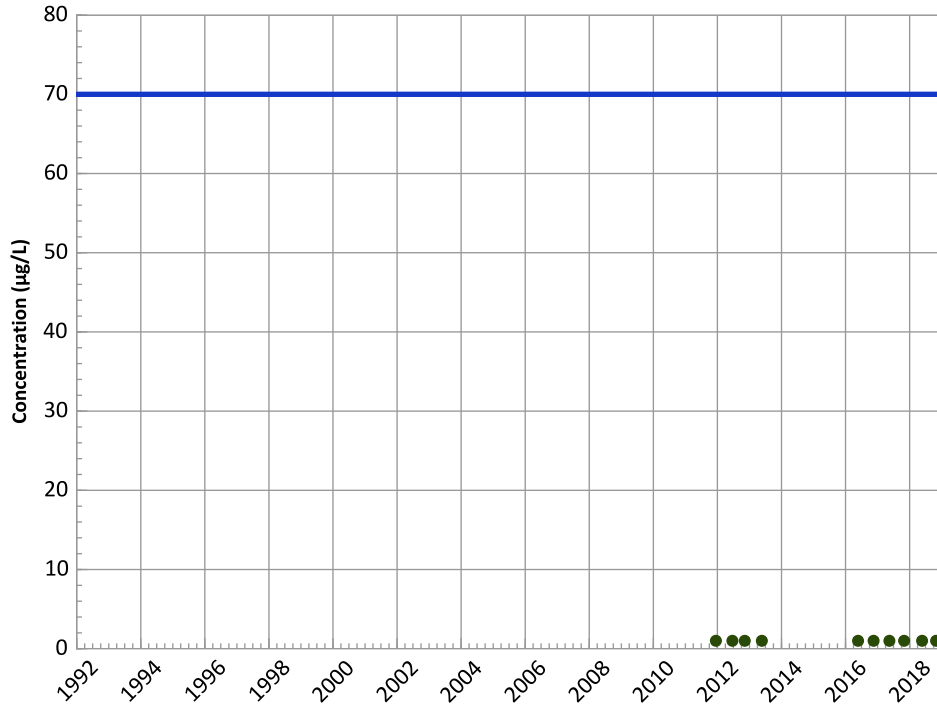
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

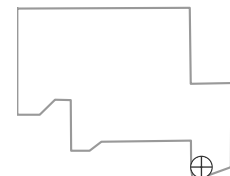
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

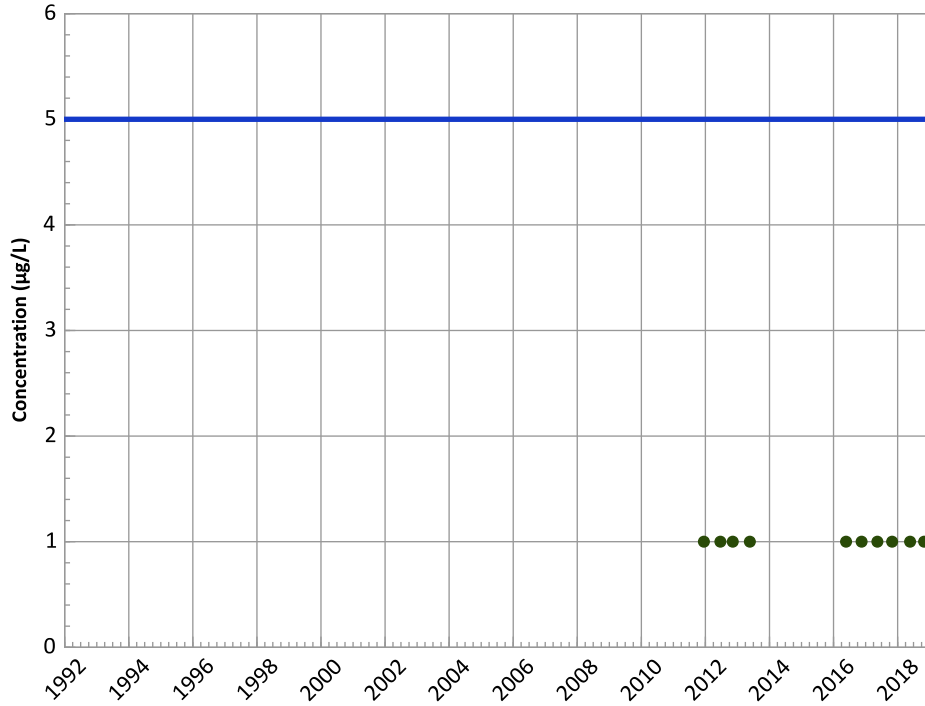


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

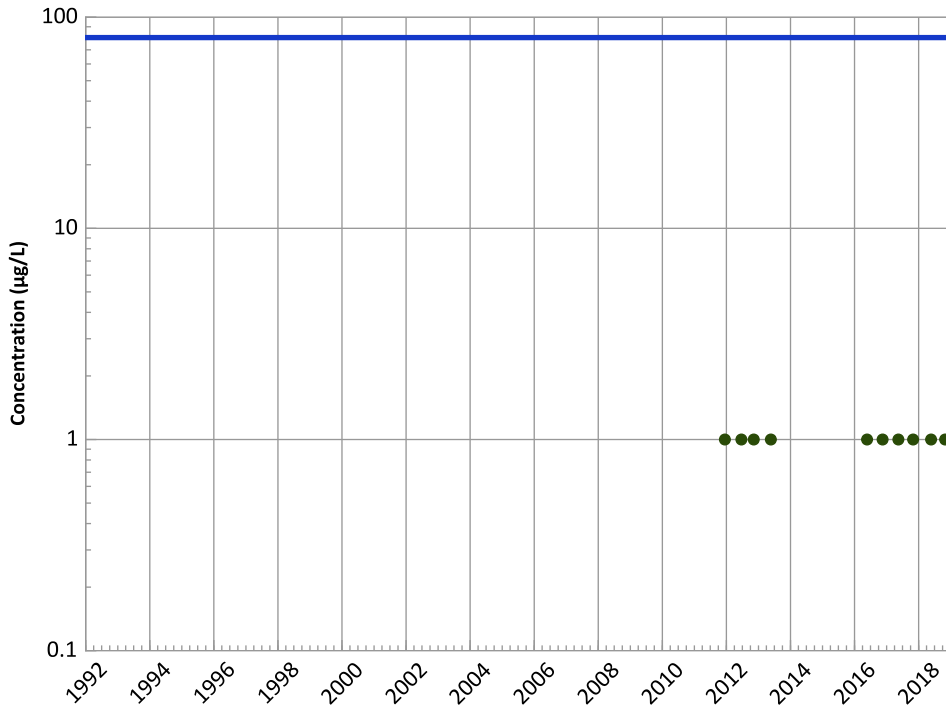
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

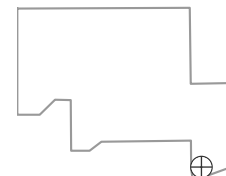
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

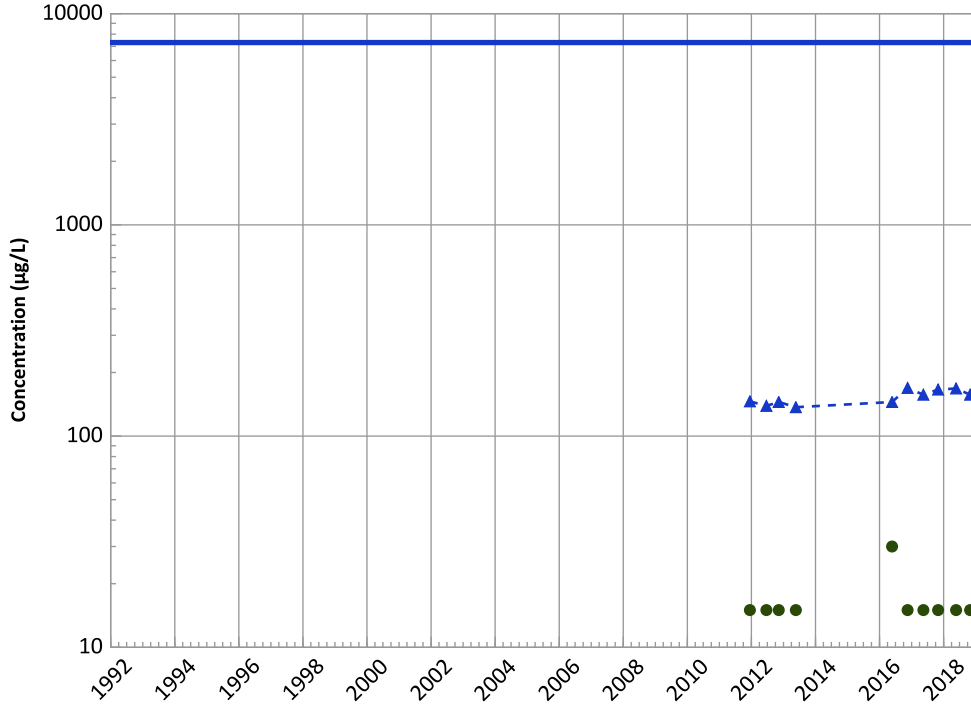
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

Boron Trend



Concentration Trend

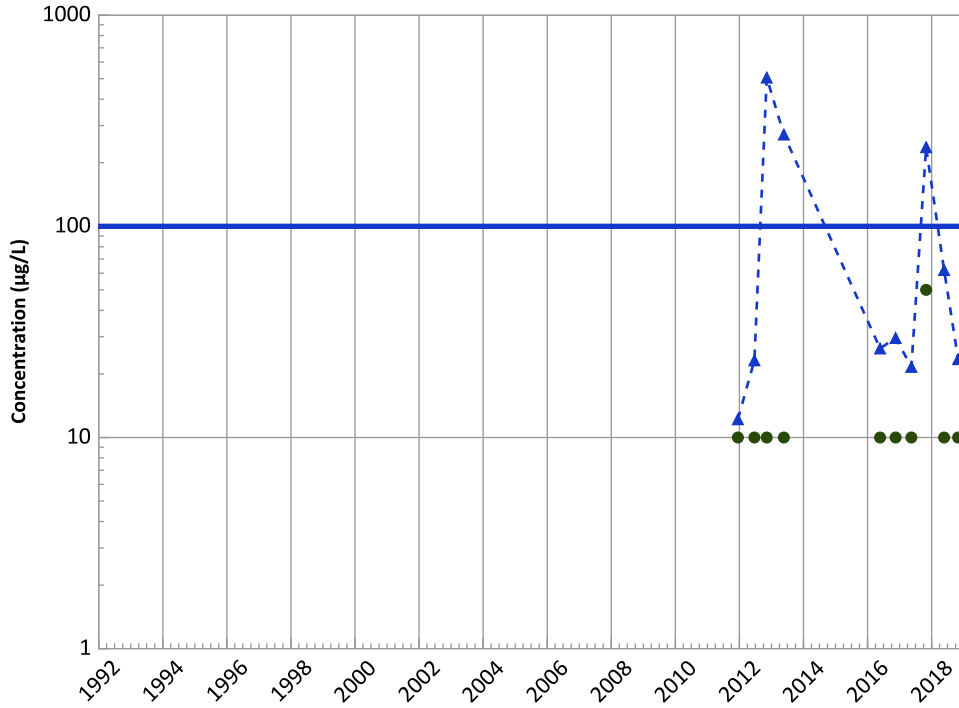
MAROS Mann-Kendall Method

Data (2017 - 2021):
No Trend
All Data:
Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):
Probably Increasing
All Data:
Increasing

Chromium, Total Trend



Concentration Trend

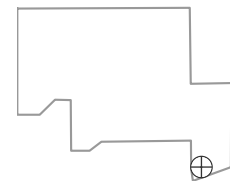
MAROS Mann-Kendall Method

Data (2017 - 2021):
No Trend
All Data:
Increasing

MAROS Linear Regression Method

Data (2017 - 2021):
No Trend
All Data:
No Trend

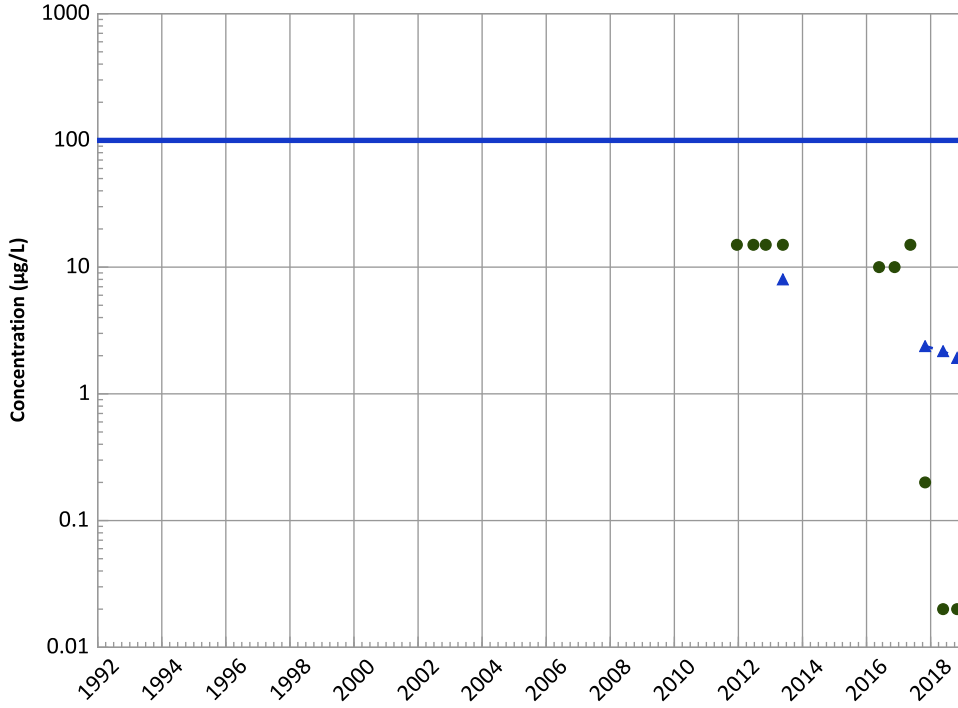
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1133A in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Chromium, Hexavalent Trend

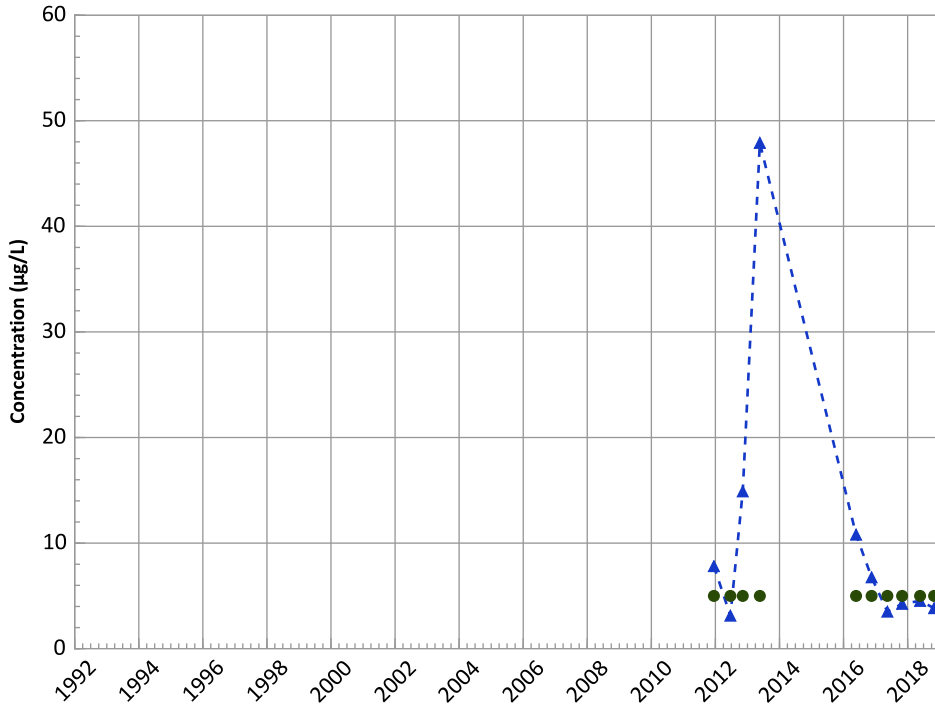


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 N/A (<4 Detections in Dataset)
 All Data:
 Decreasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 N/A (<4 Detections in Dataset)
 All Data:
 Decreasing

Manganese Trend

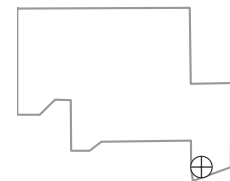


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 No Trend
 All Data:
 Decreasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 No Trend
 All Data:
 Probably Decreasing

Well Location

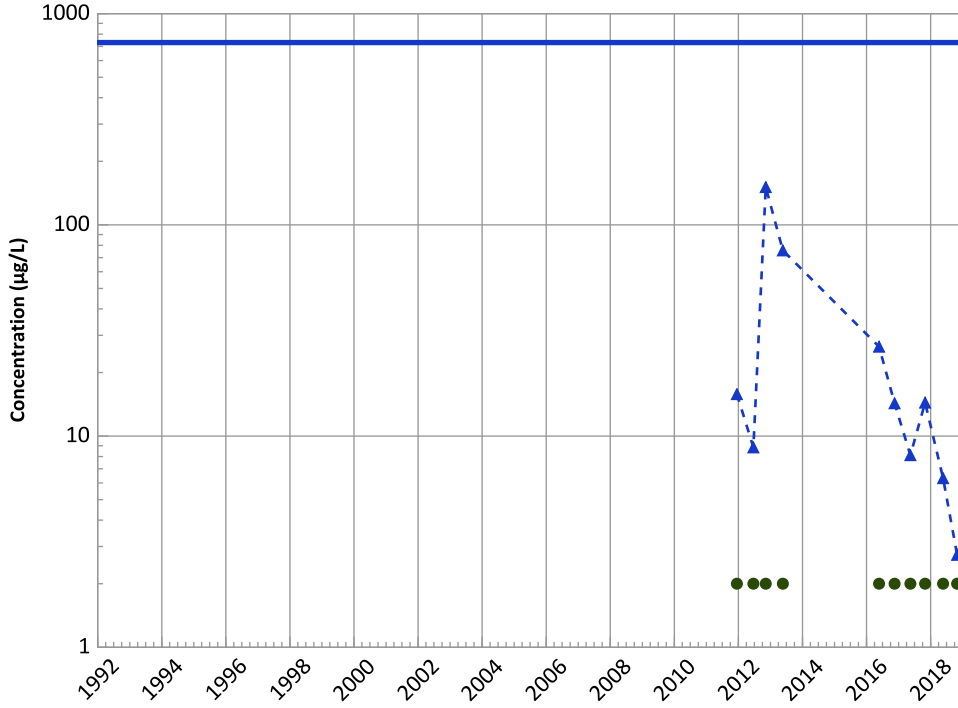


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/15/2011 to 10/30/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

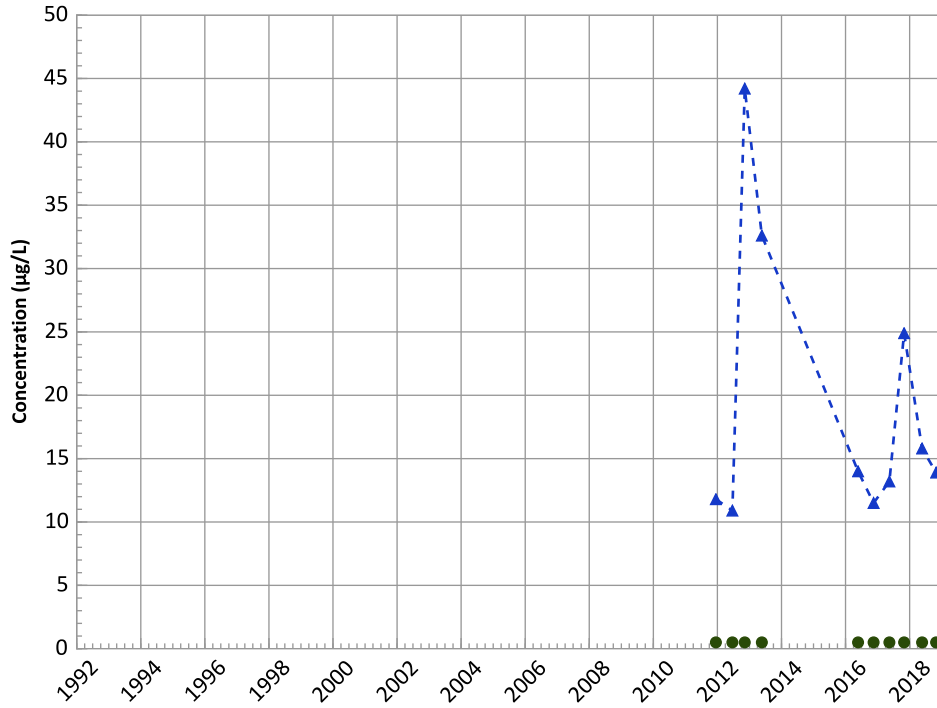
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

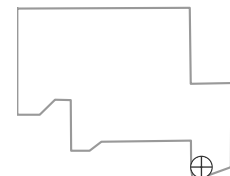
Data (2017 - 2021):

Stable

All Data:

Stable

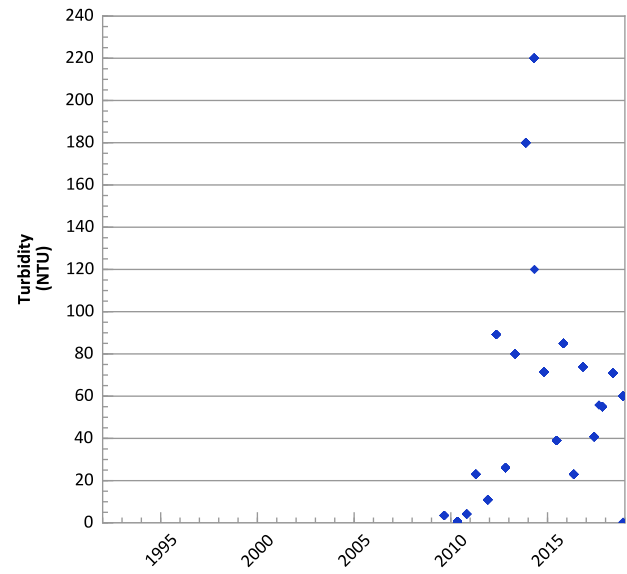
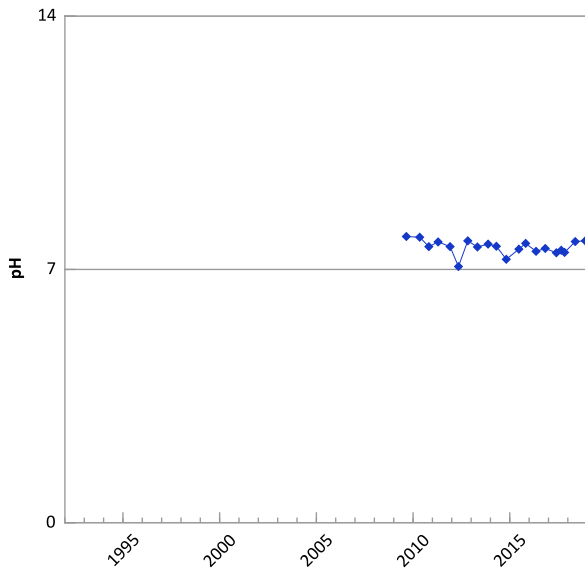
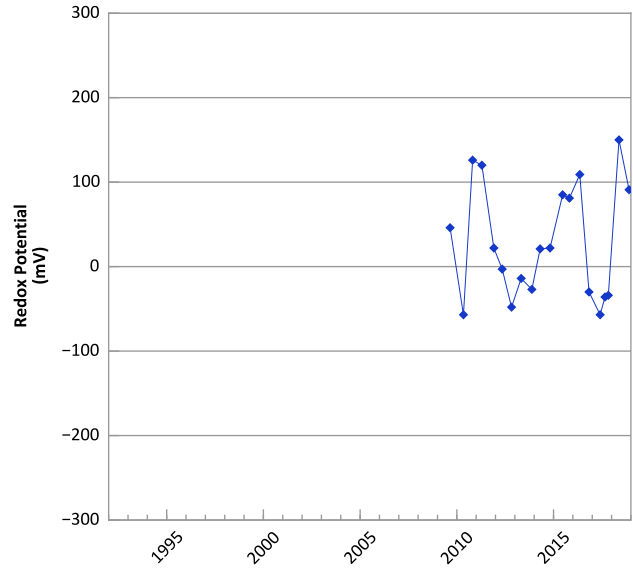
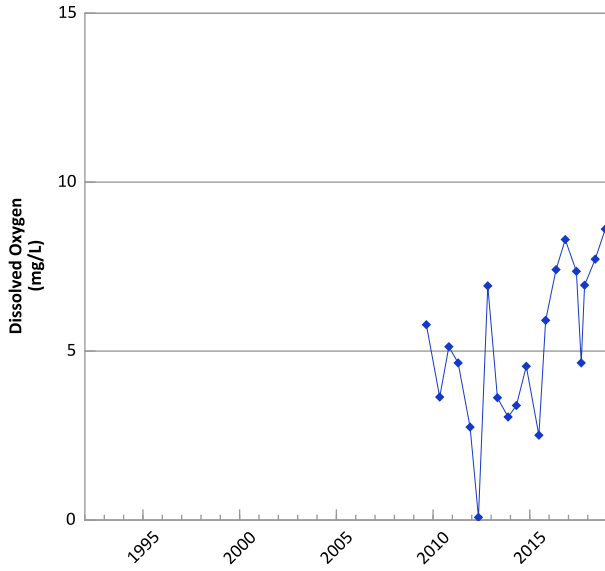
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/15/2011 to 10/30/2018
Analysis Date: 02/14/2019

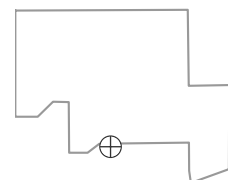
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



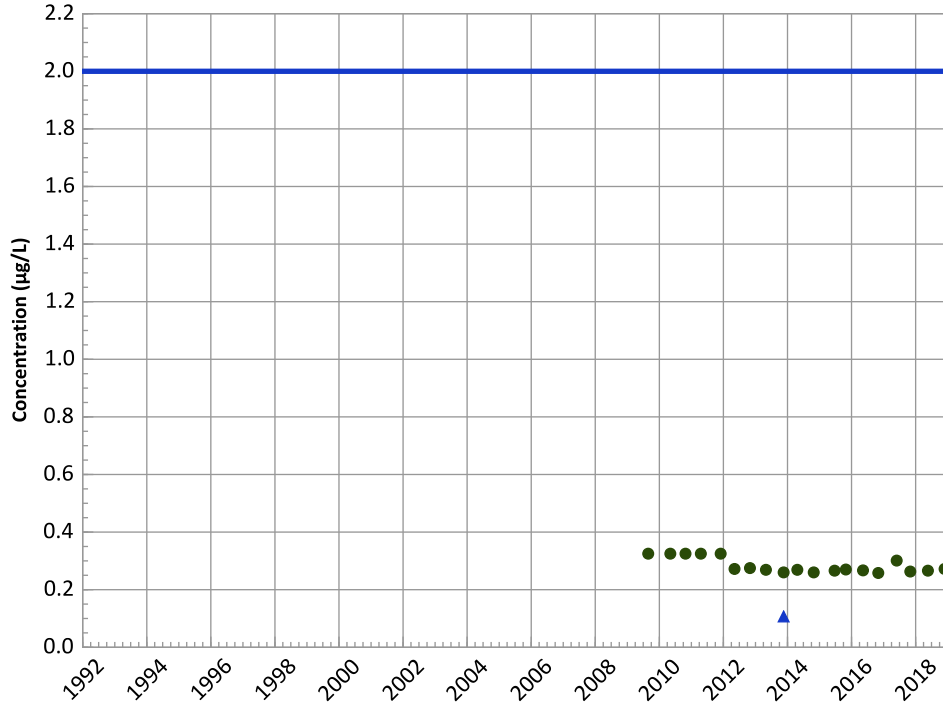
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/27/2009 to 11/27/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

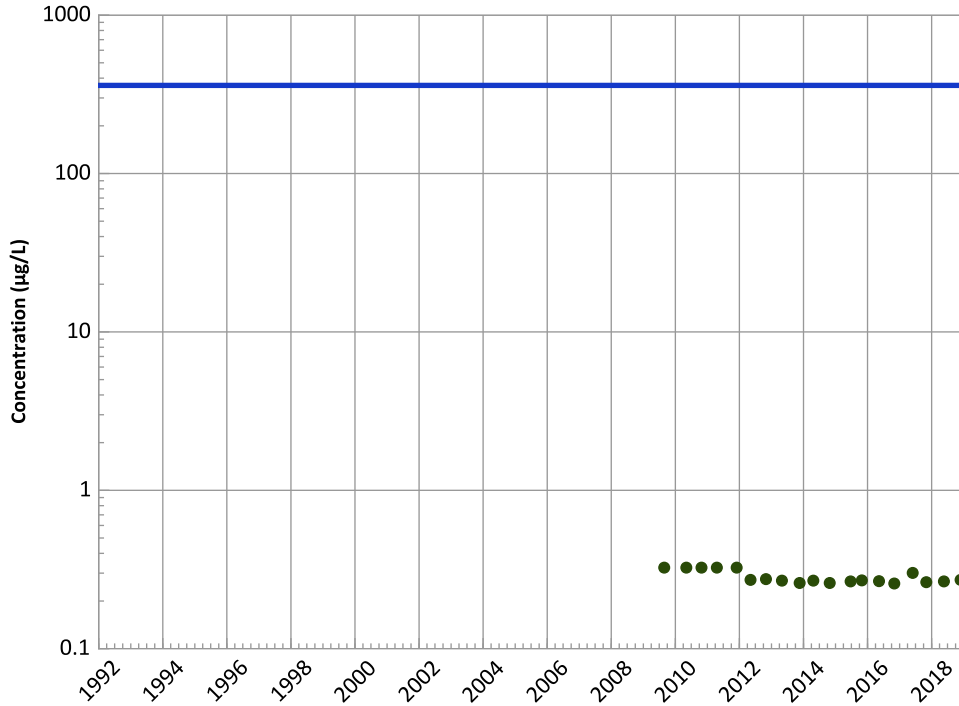


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

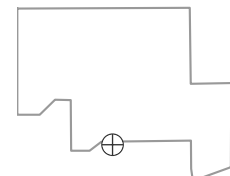


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

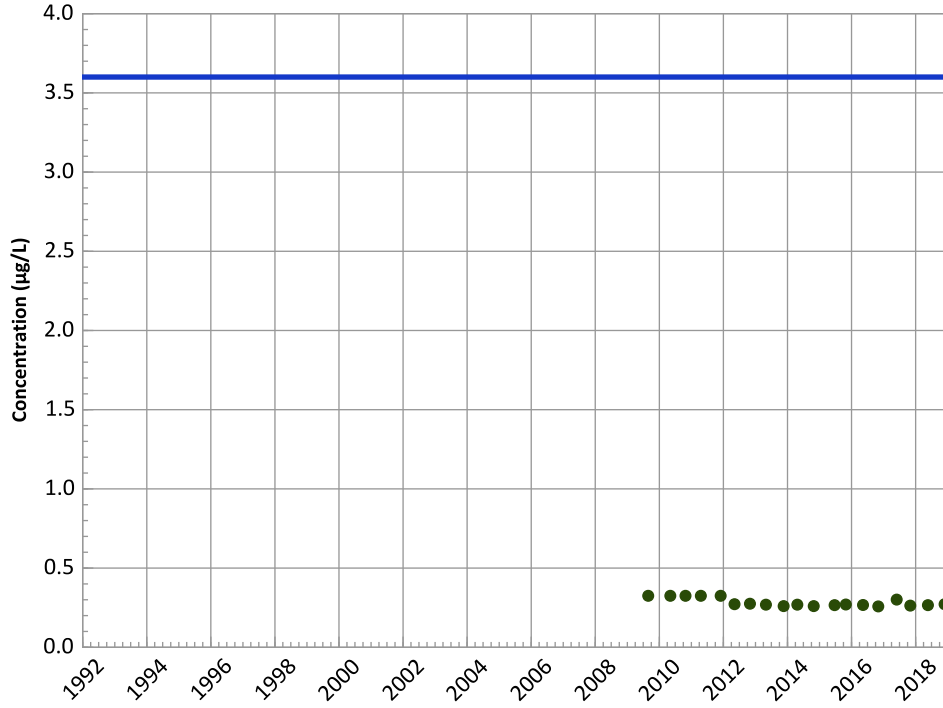


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

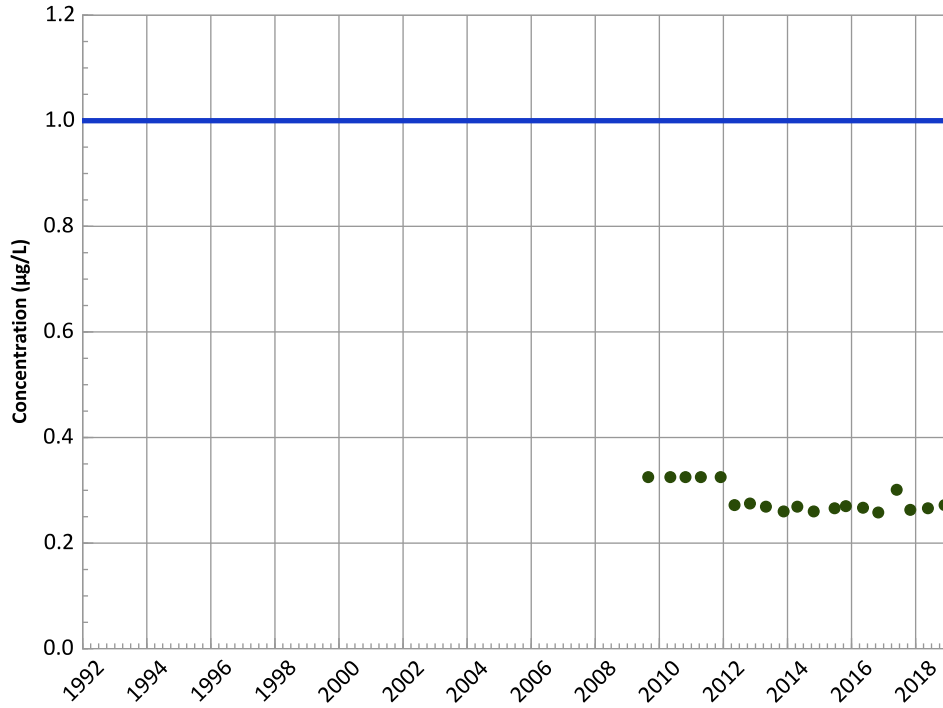
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

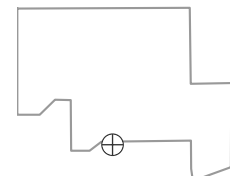
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

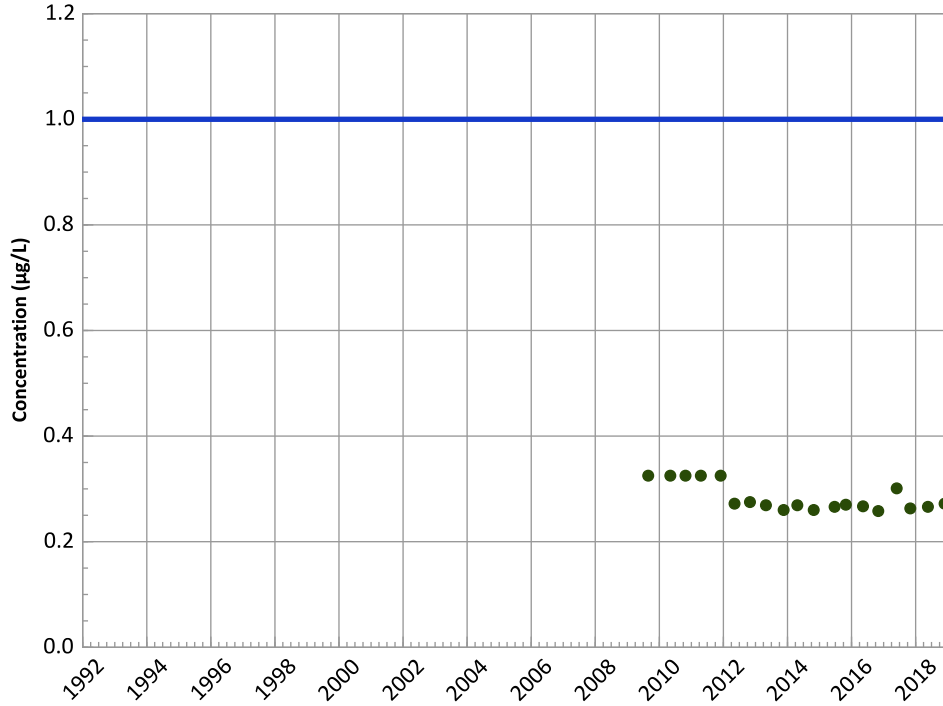


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

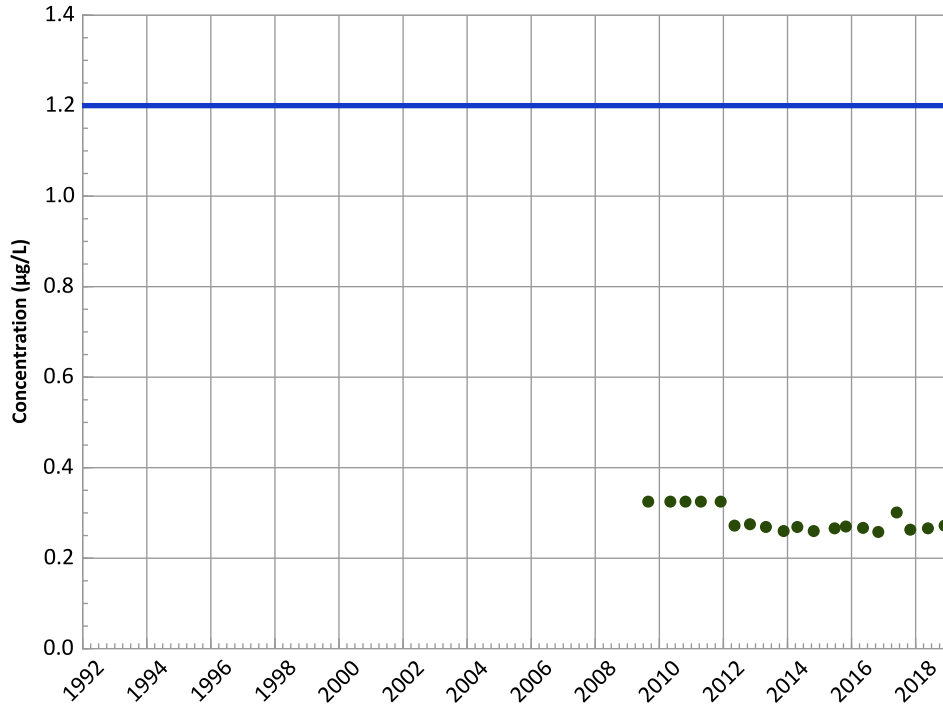
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

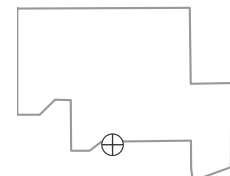
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

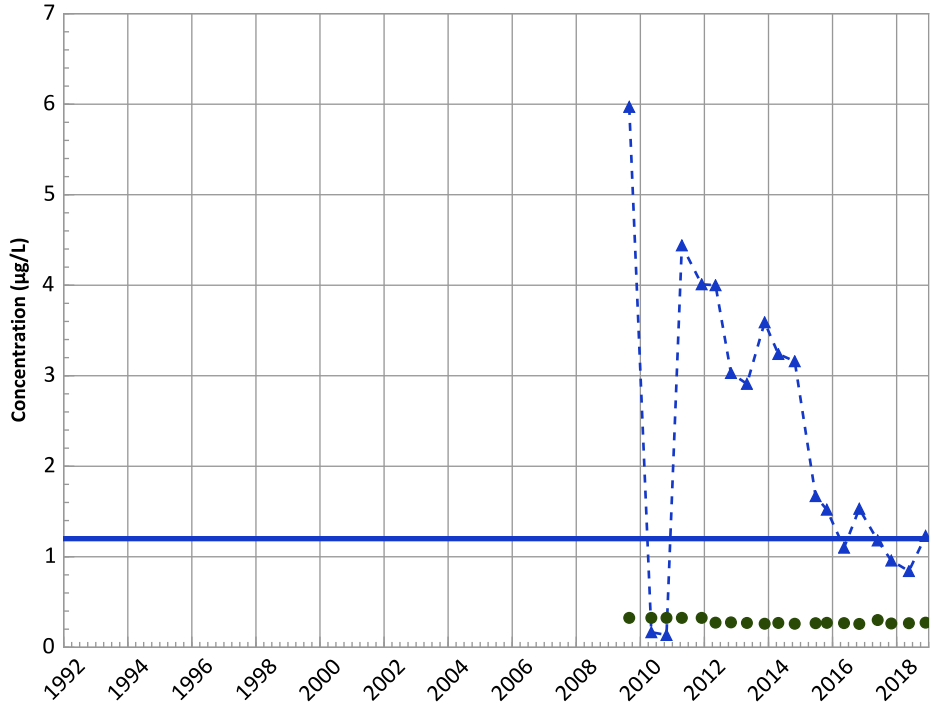


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

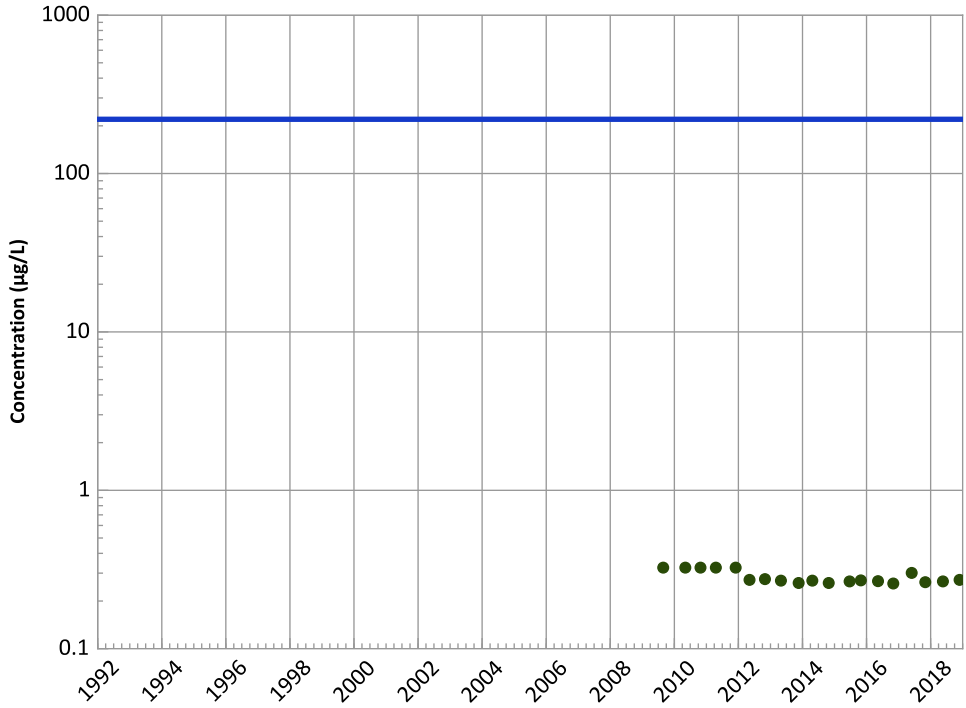
Data (2017 - 2021):

Decreasing

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

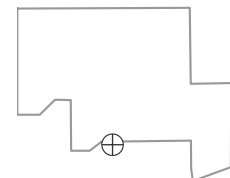
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

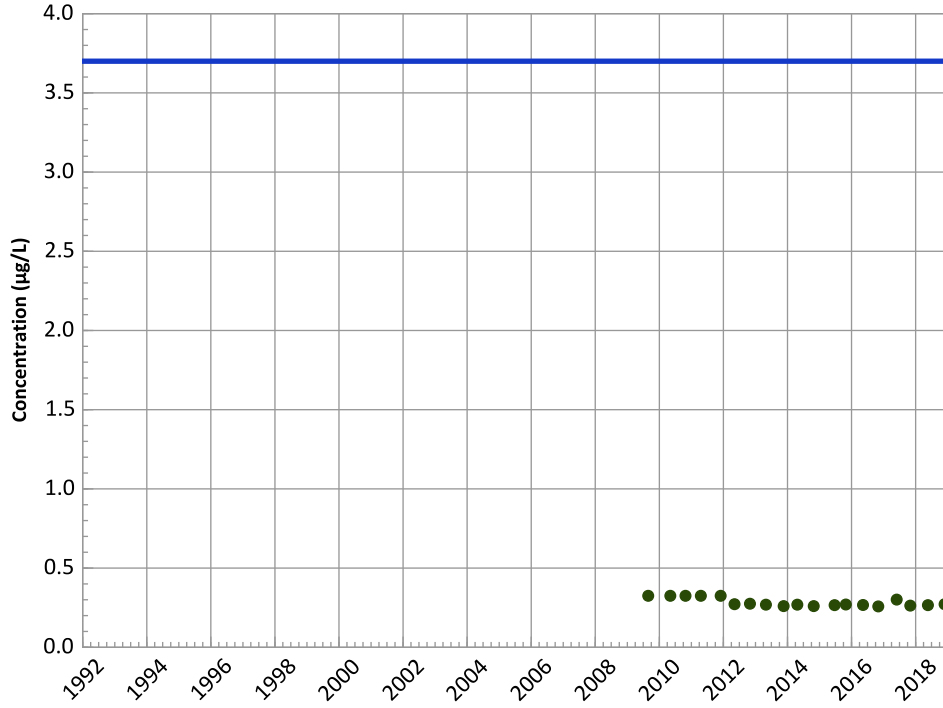
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

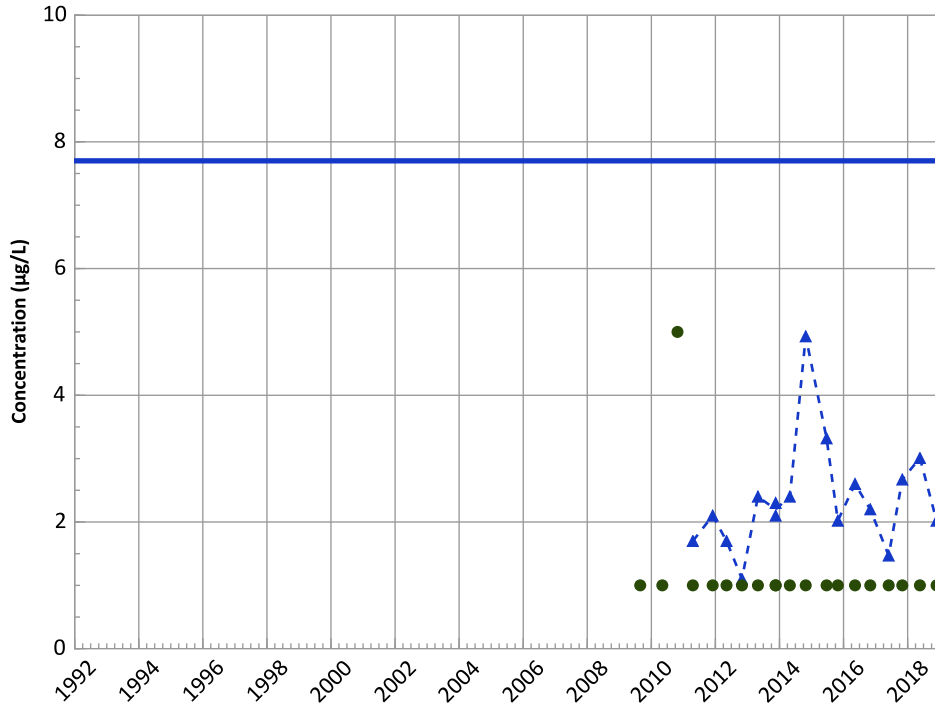
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

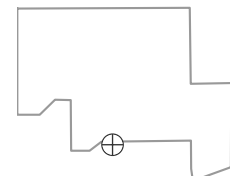
All Data:

No Trend

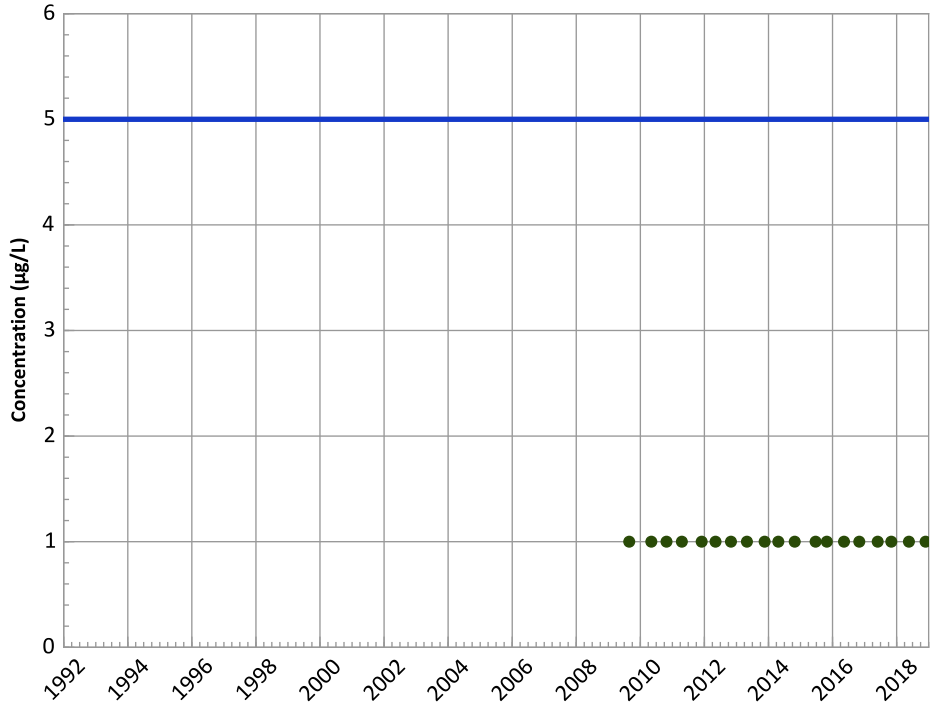
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

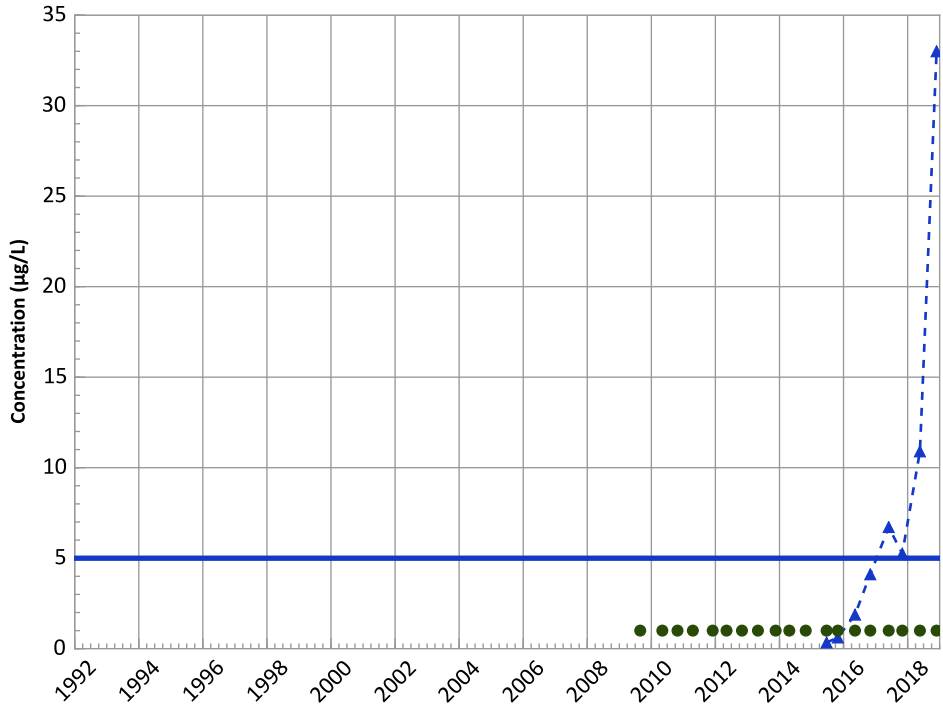
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

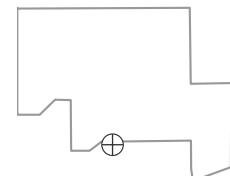
All Data:

Increasing

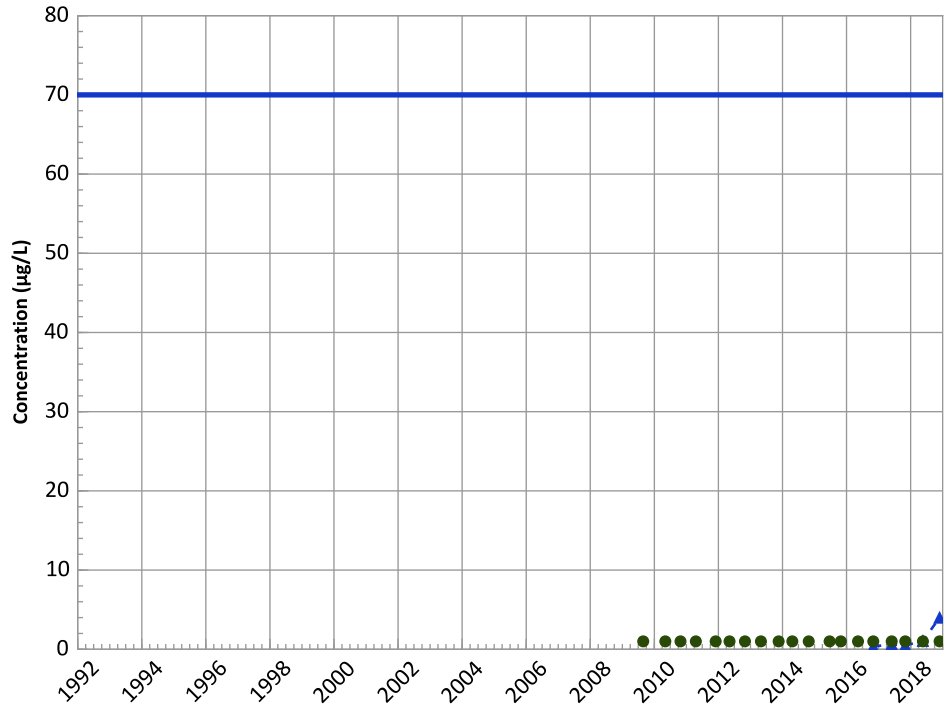
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

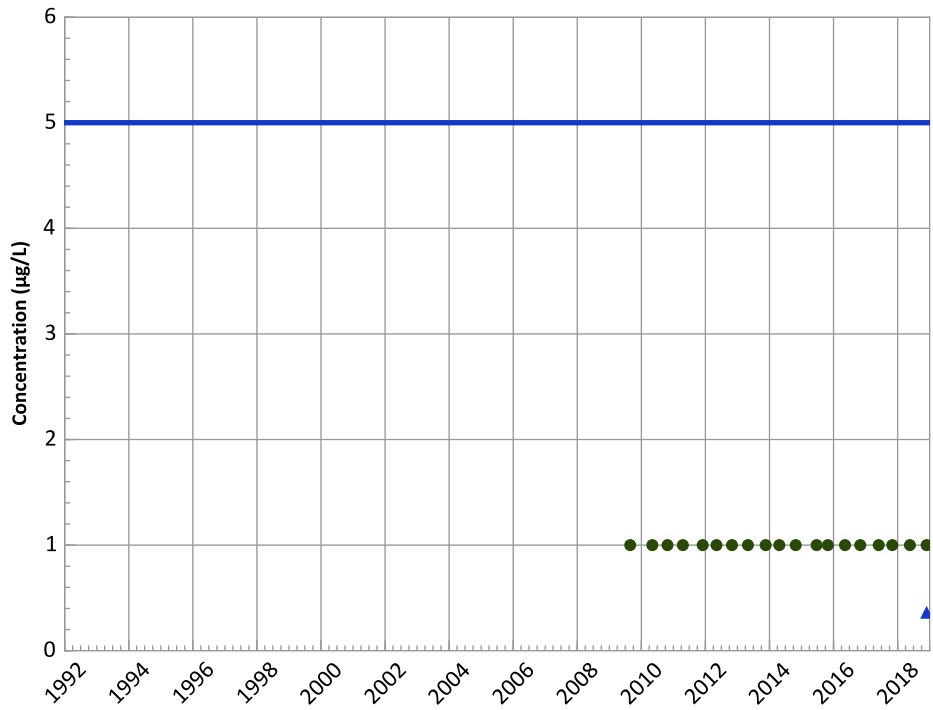


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

1,2-Dichloroethane Trend

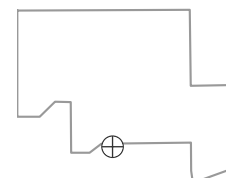


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

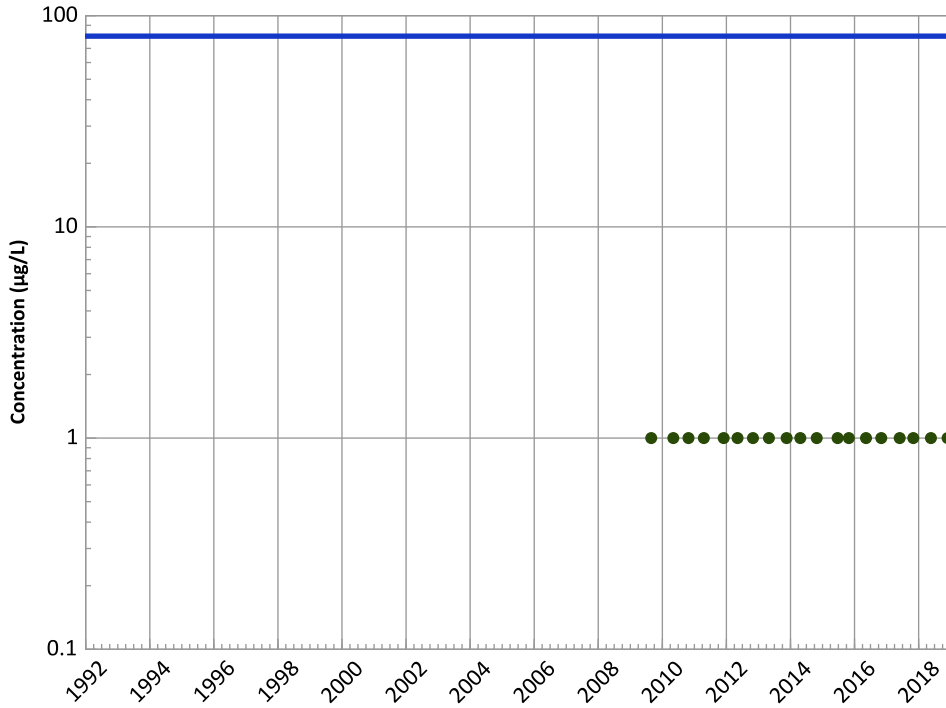
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

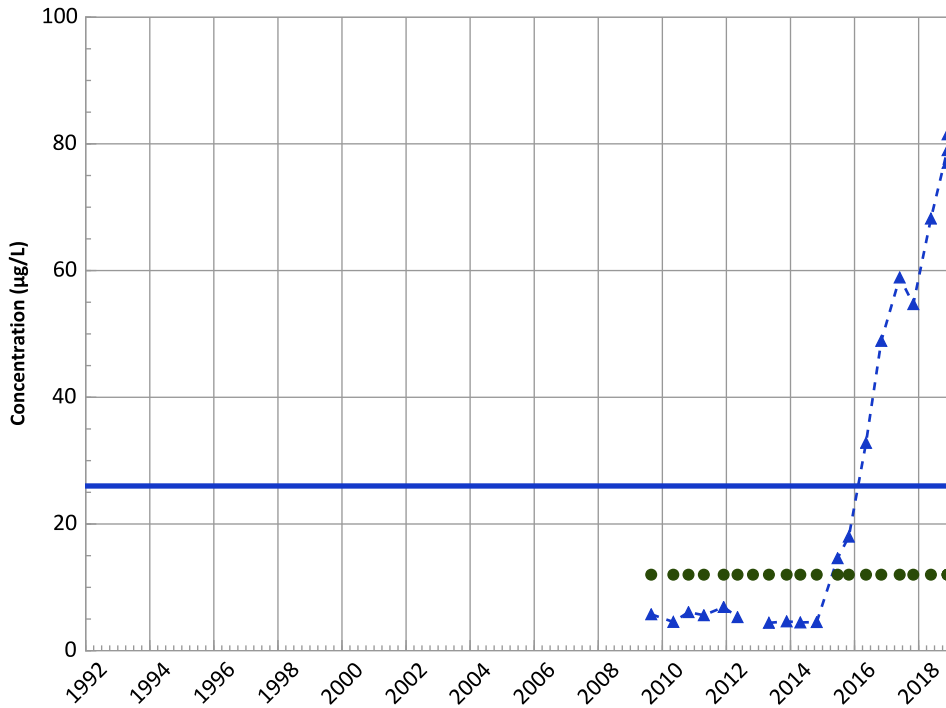


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

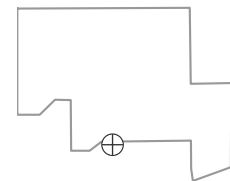


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Well Location

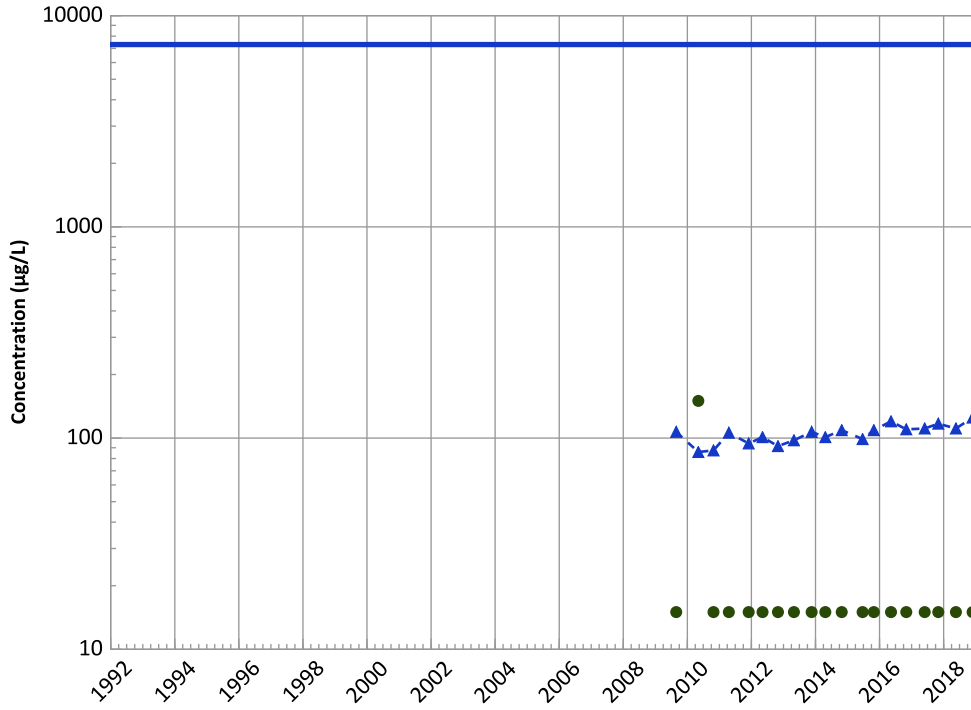


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1134 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

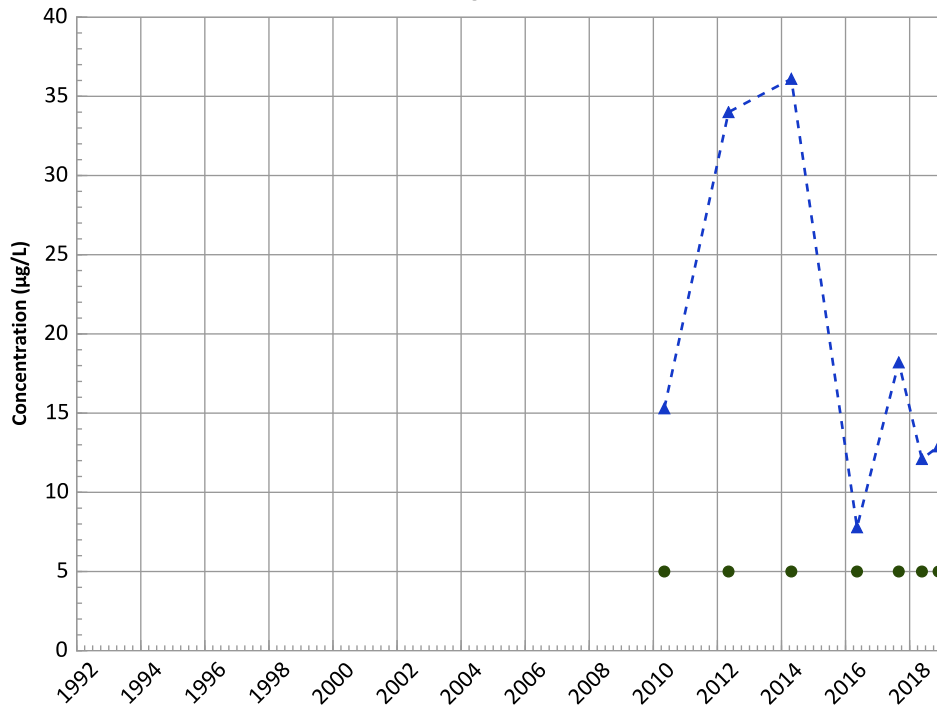
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

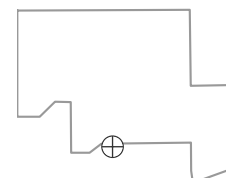
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Stable

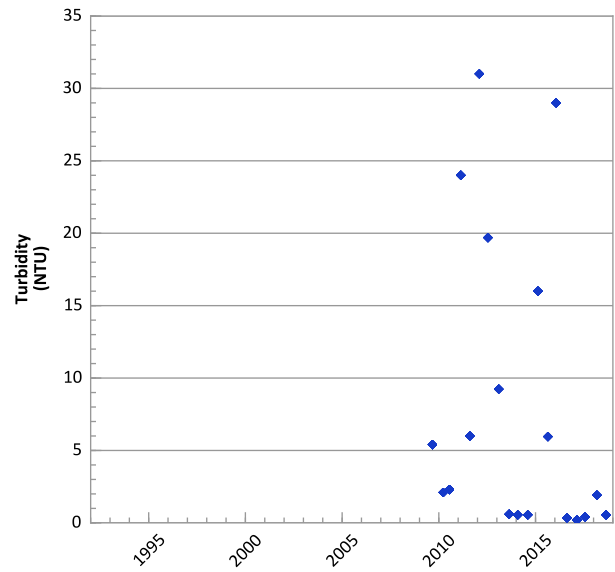
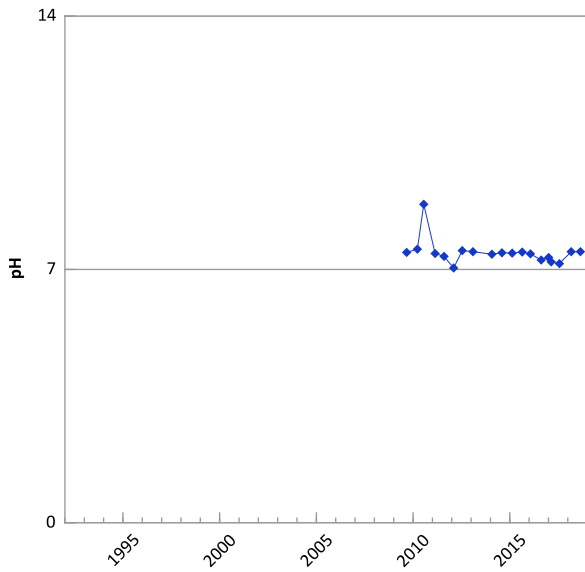
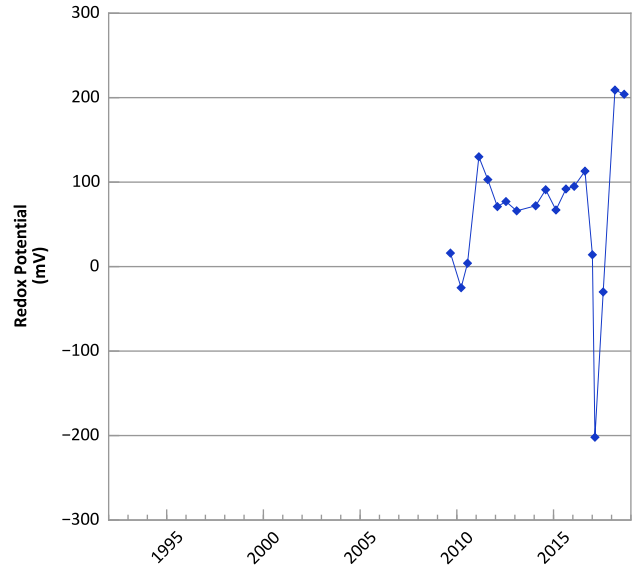
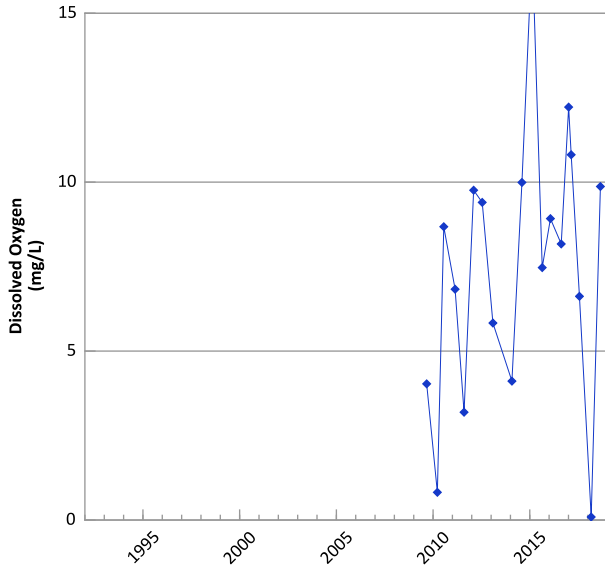
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/27/2009 to 11/27/2018
Analysis Date: 02/14/2019

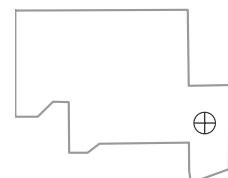
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



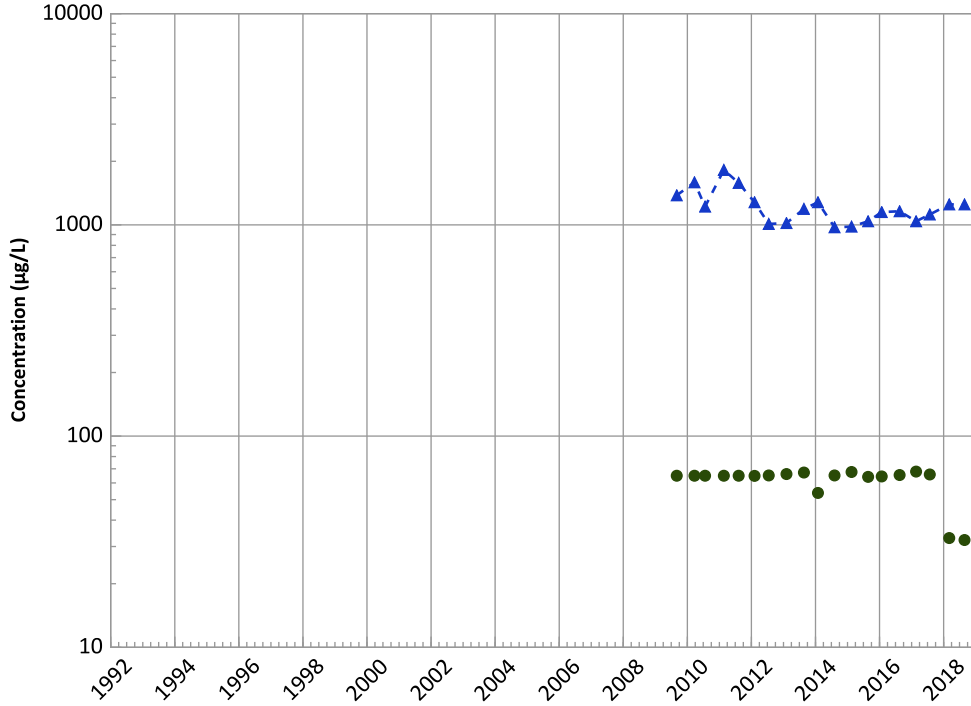
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/02/2009 to 08/27/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

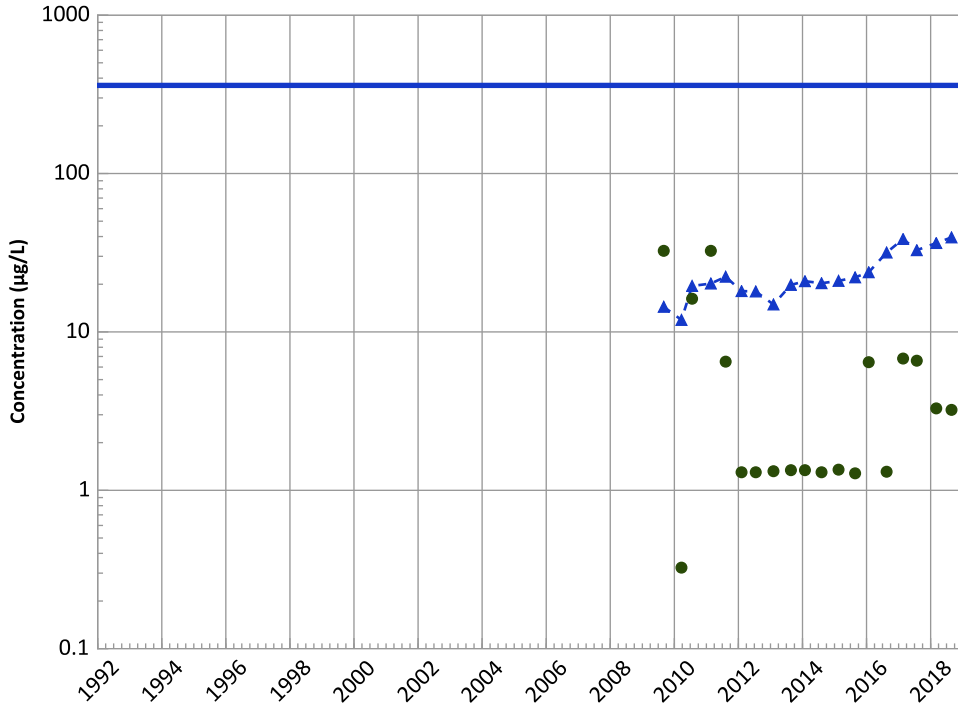
Data (2017 - 2021):

Stable

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

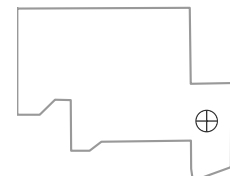
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

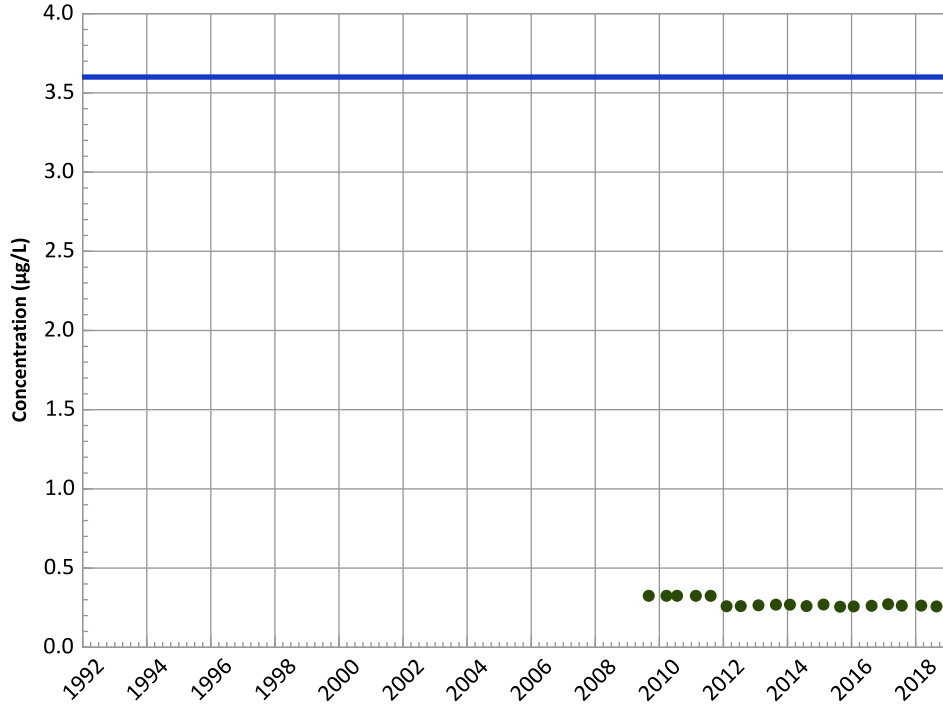
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

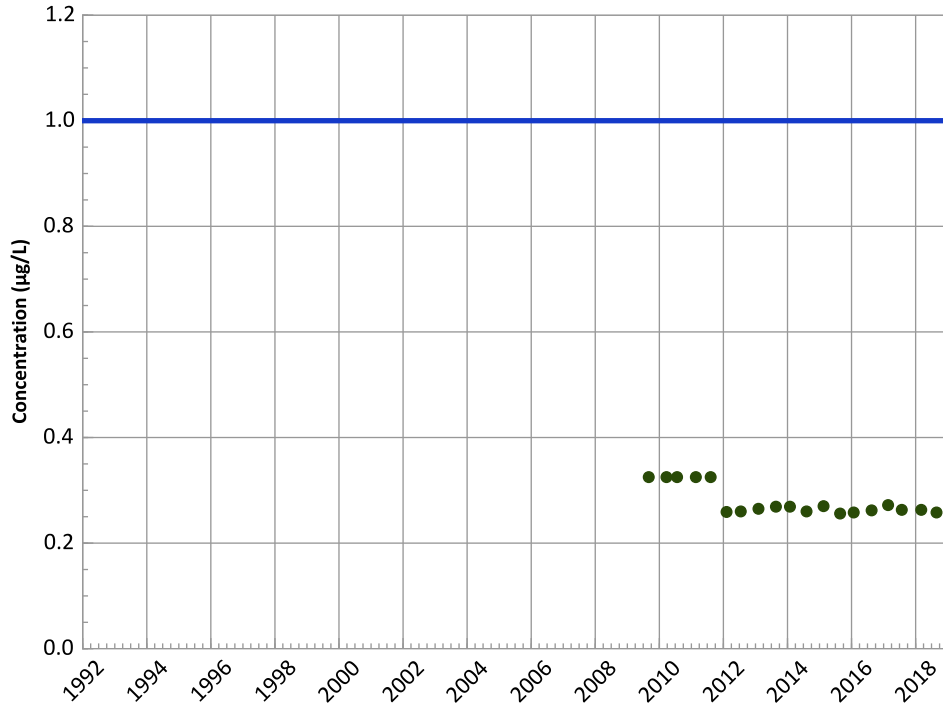
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

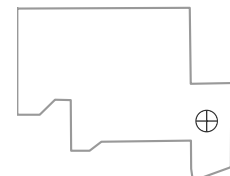
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

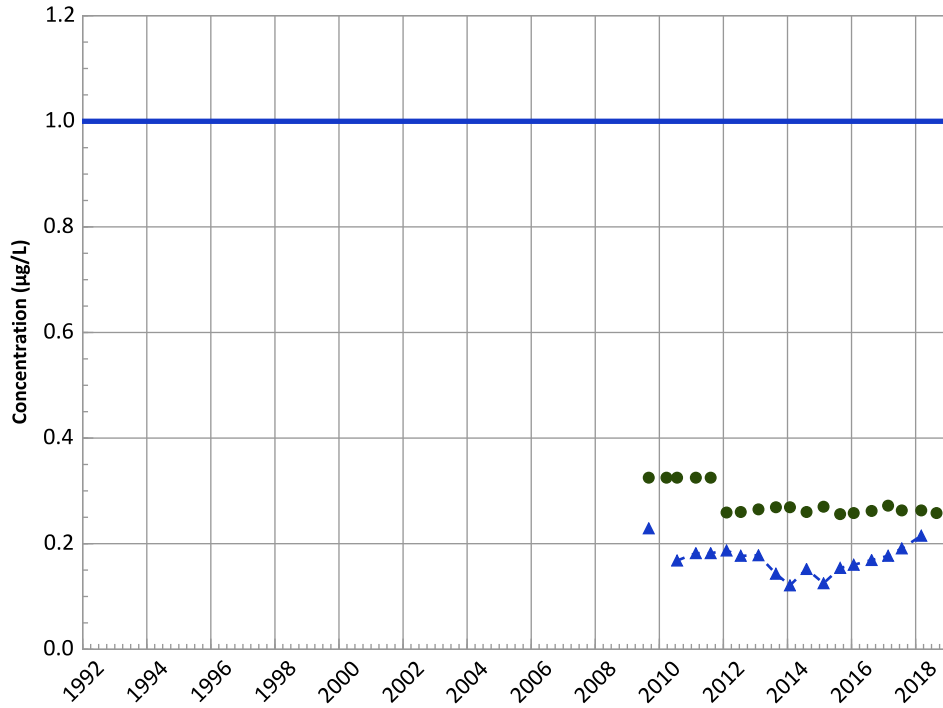


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

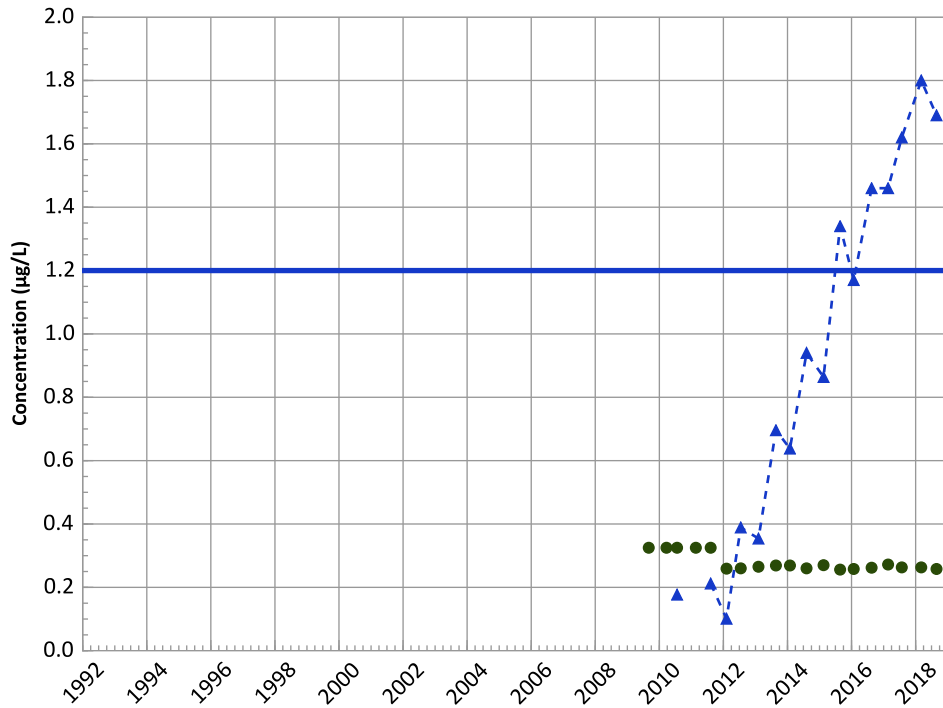
Data (2017 - 2021):

Stable

All Data:

Stable

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

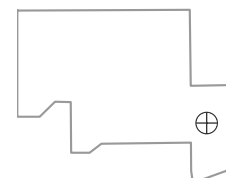
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

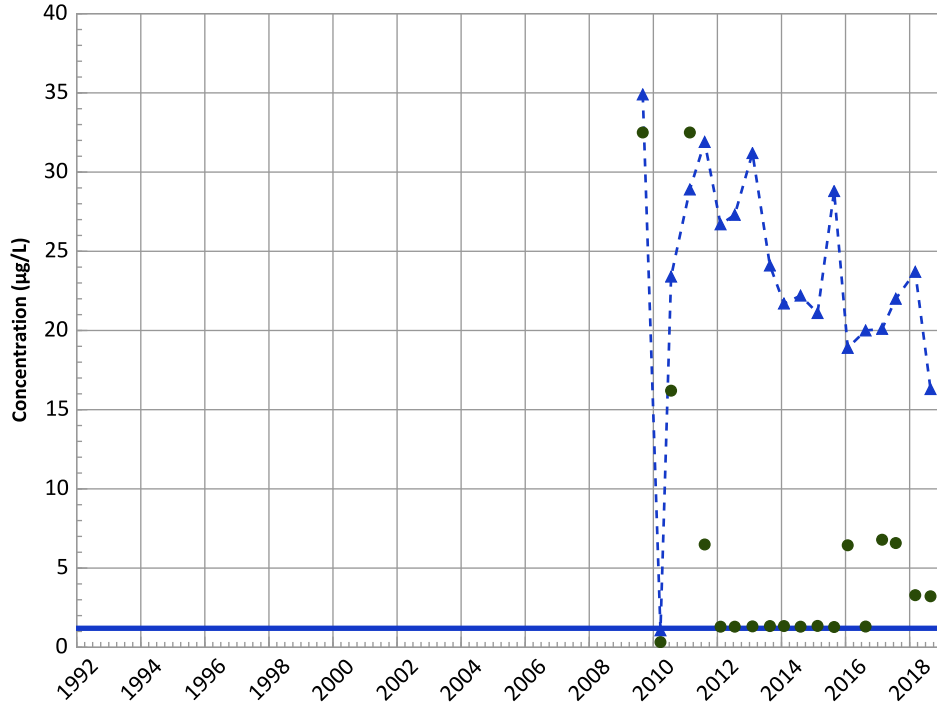


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

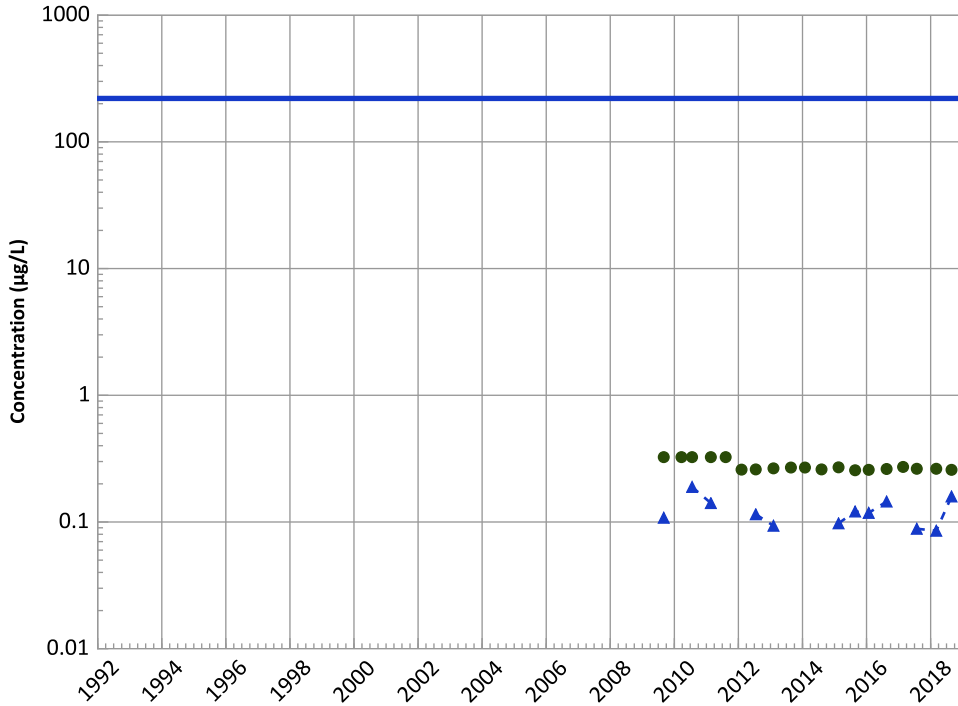
Data (2017 - 2021):

Decreasing

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

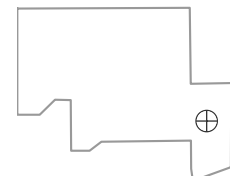
Data (2017 - 2021):

Probably Increasing

All Data:

Stable

Well Location

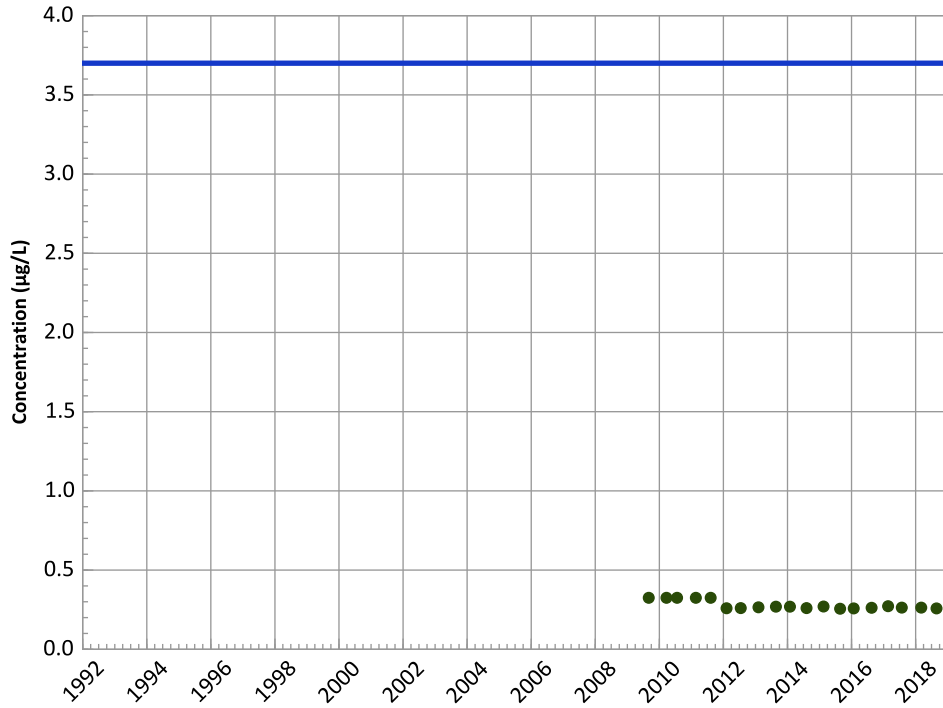


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

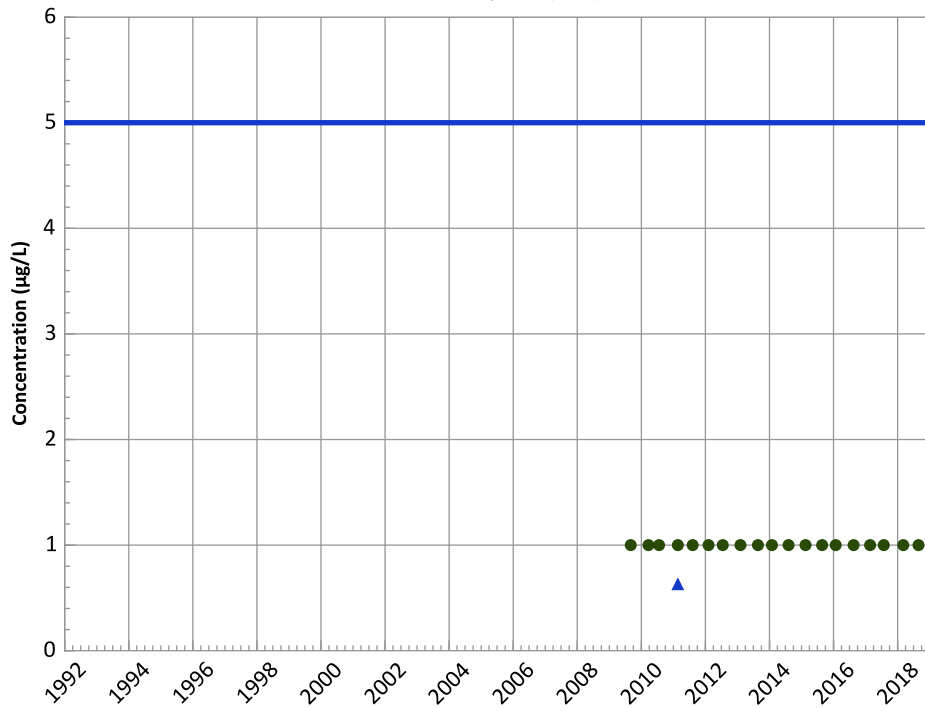
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

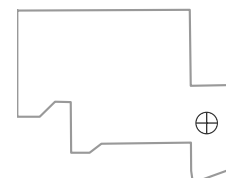
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

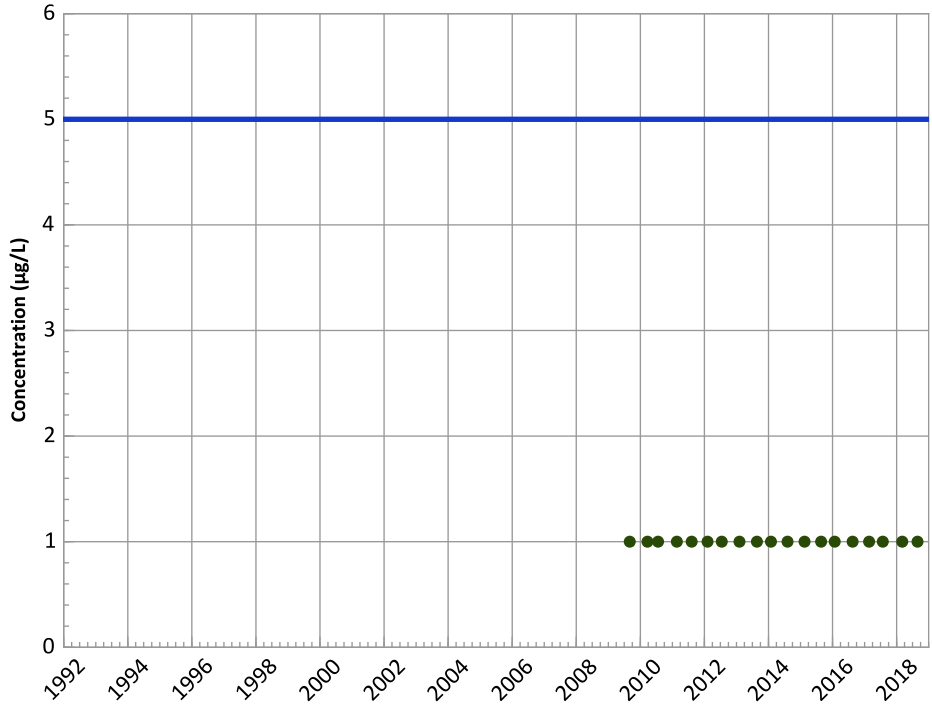


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

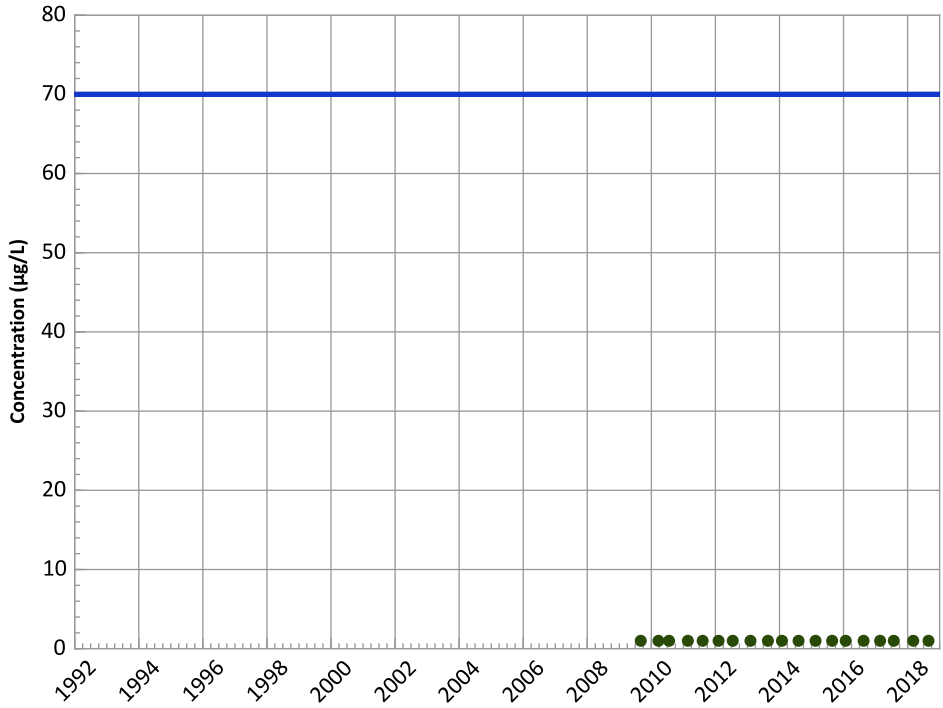
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

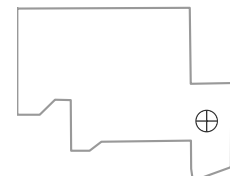
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

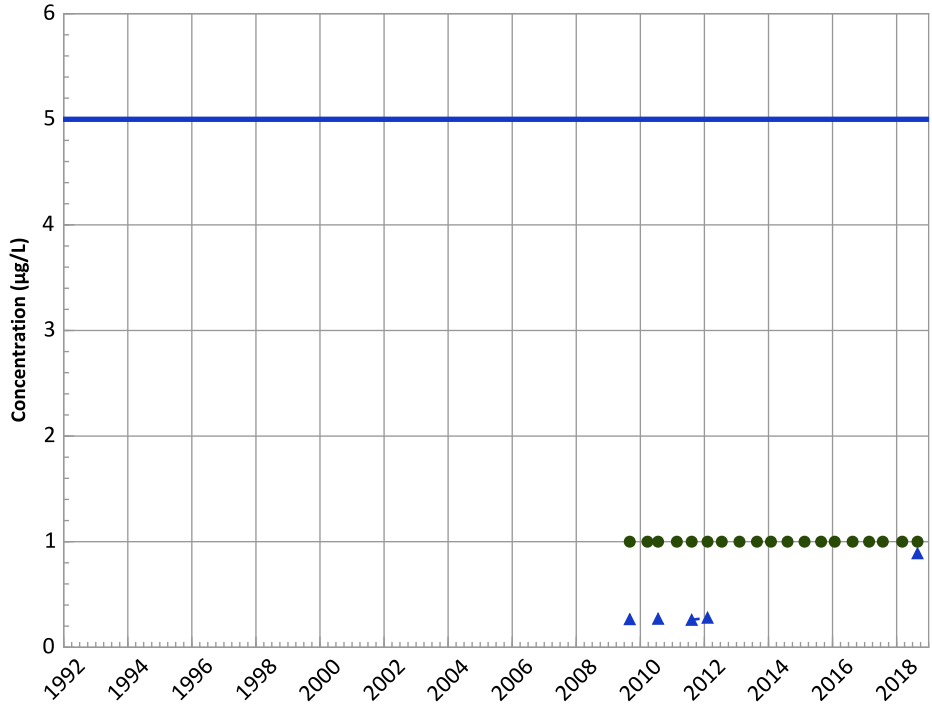
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

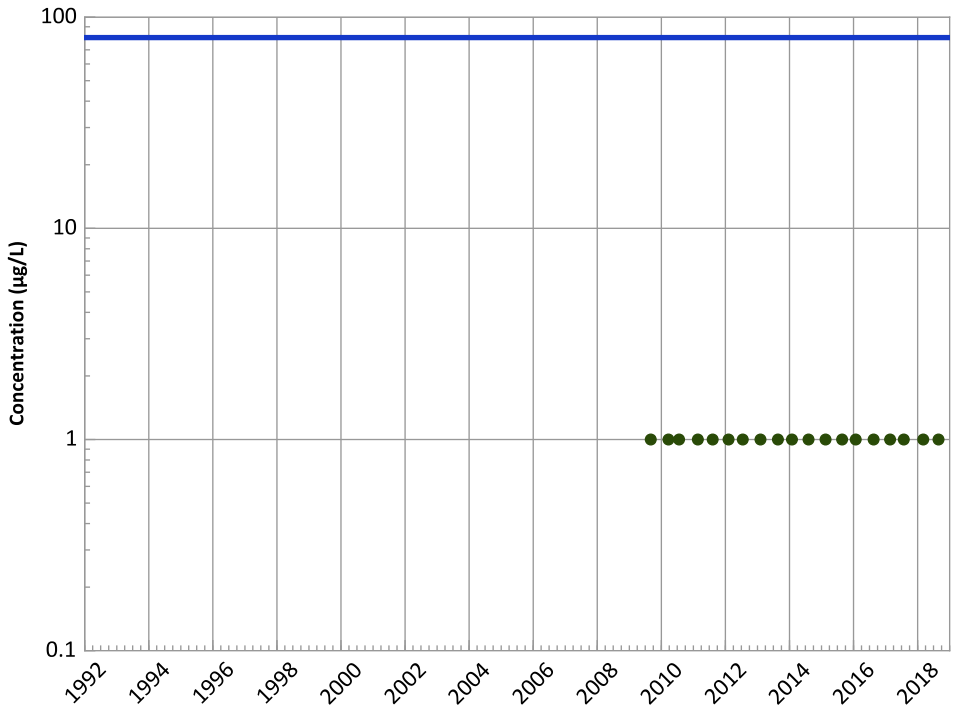


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Chloroform Trend

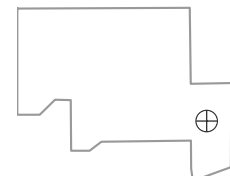


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

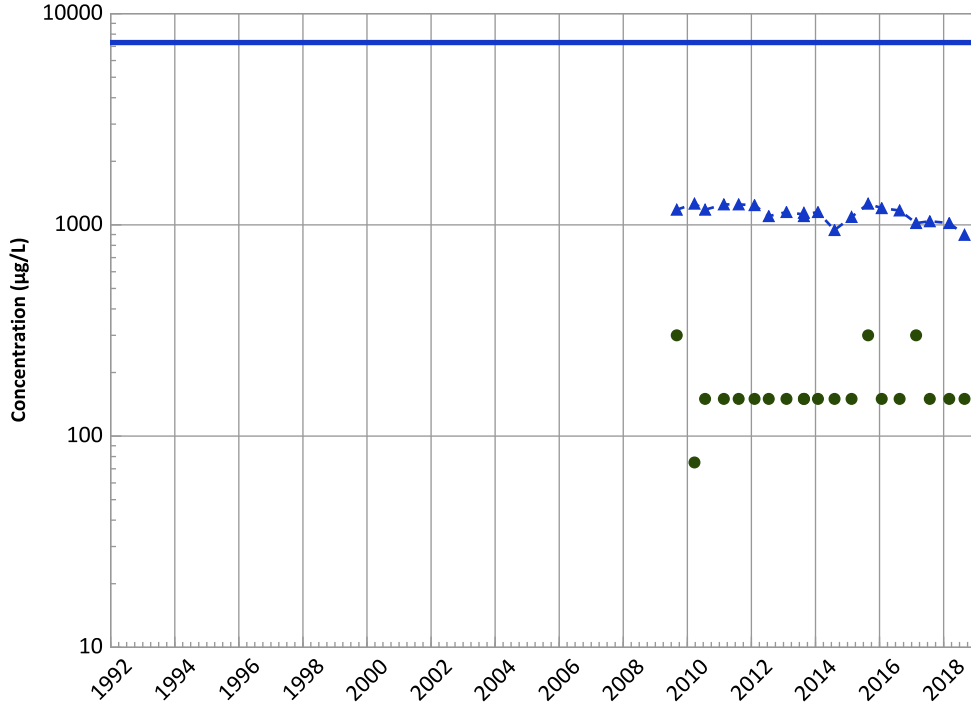


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

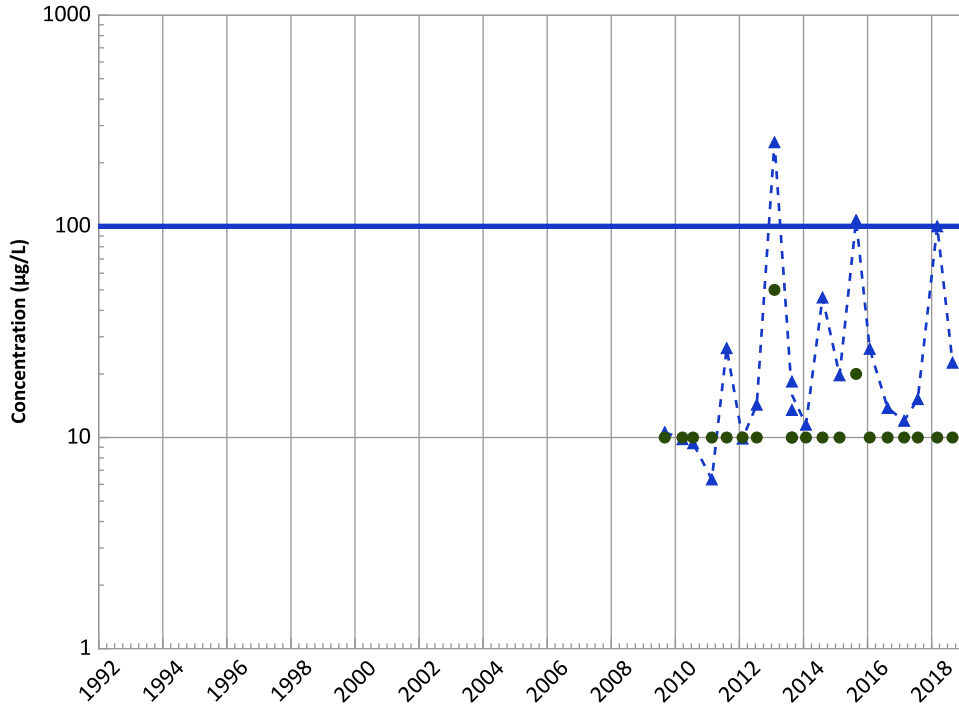


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

Chromium, Total Trend

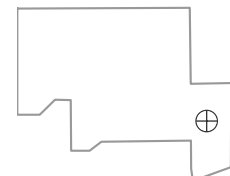


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
No Trend
All Data:
Probably Increasing

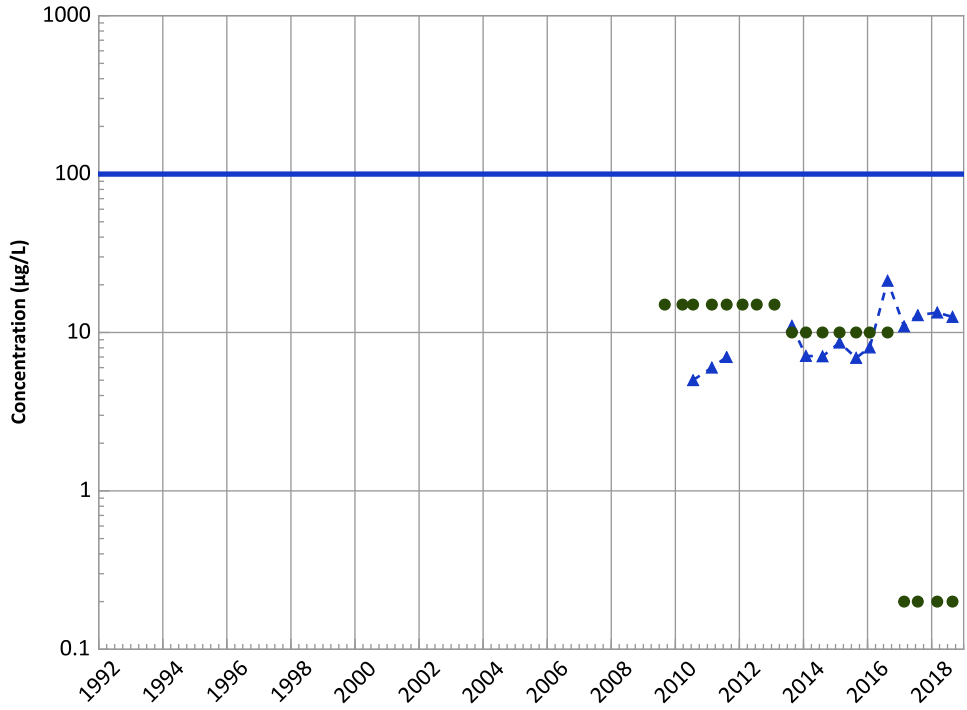
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**

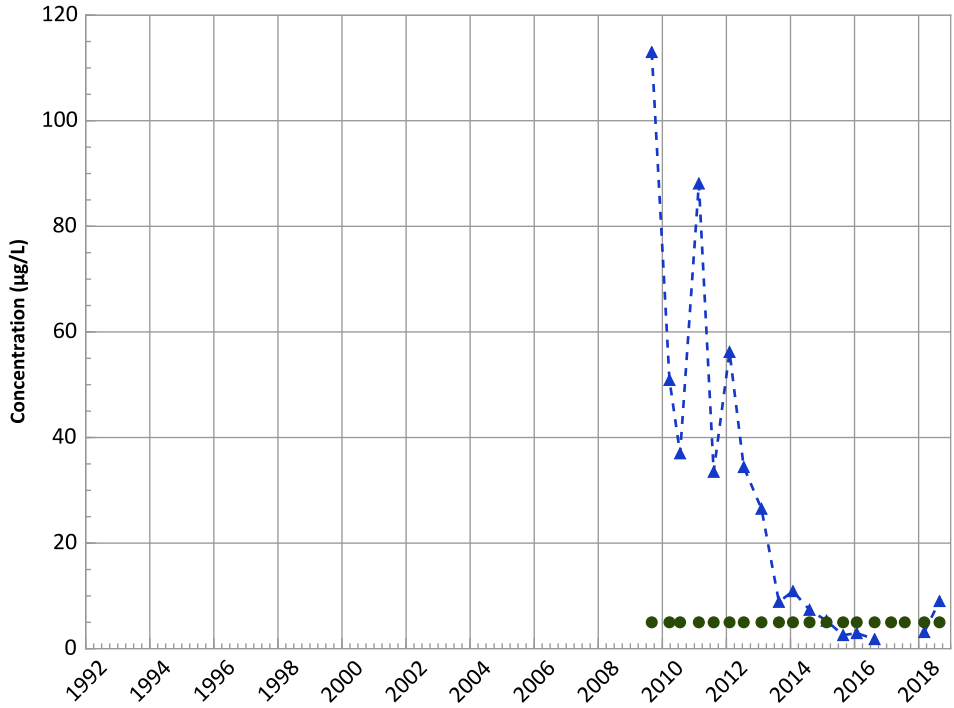


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

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

Manganese Trend

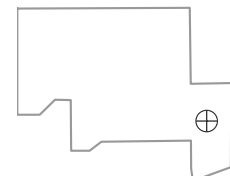


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

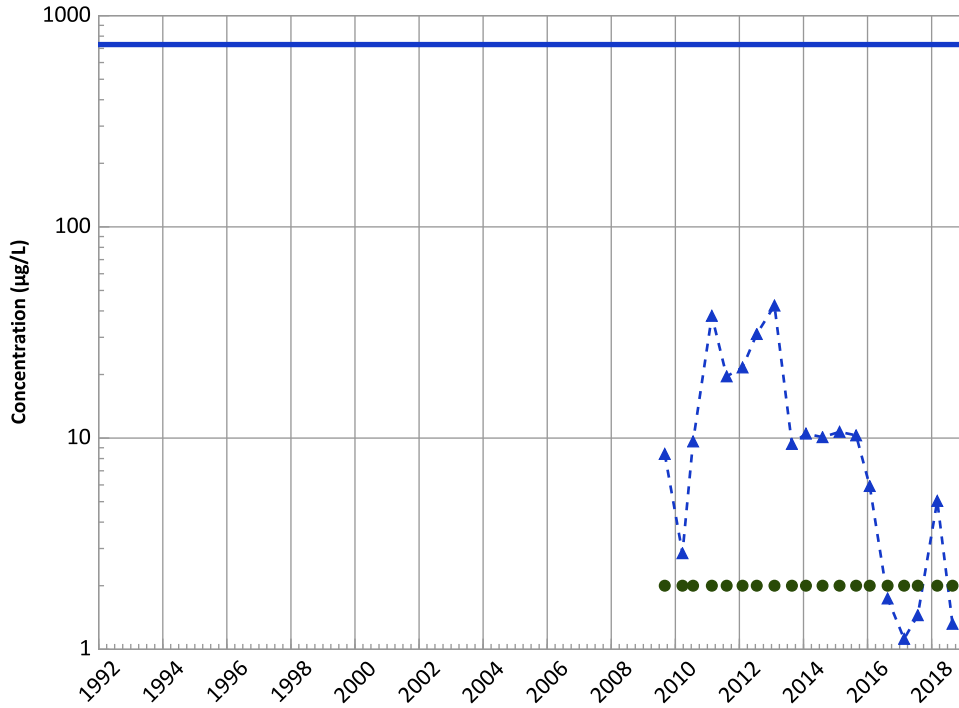


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1146 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

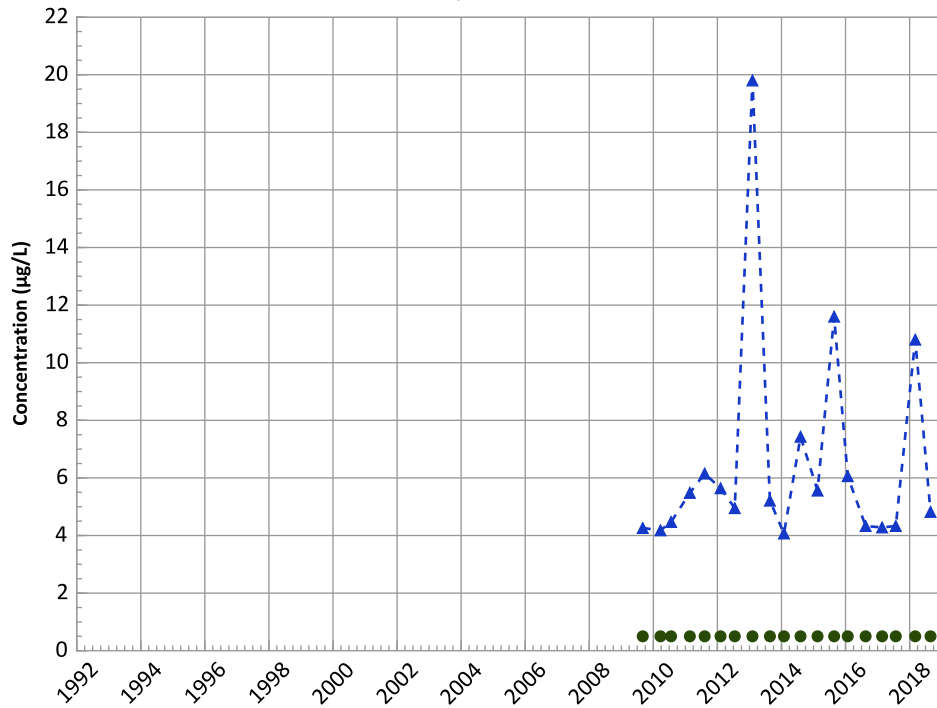
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

All Data:

No Trend

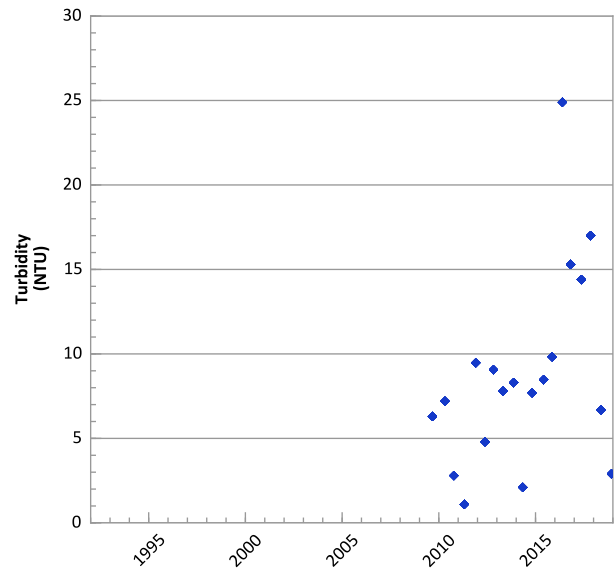
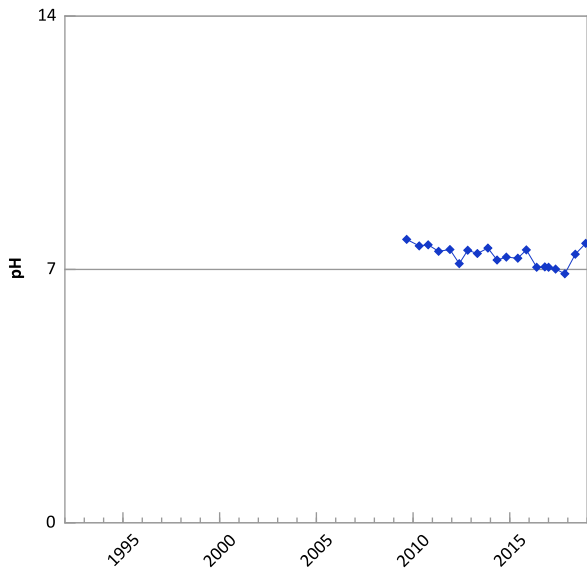
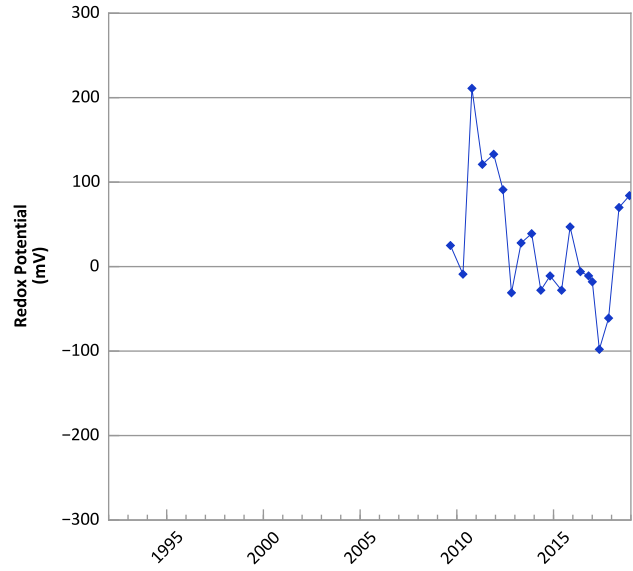
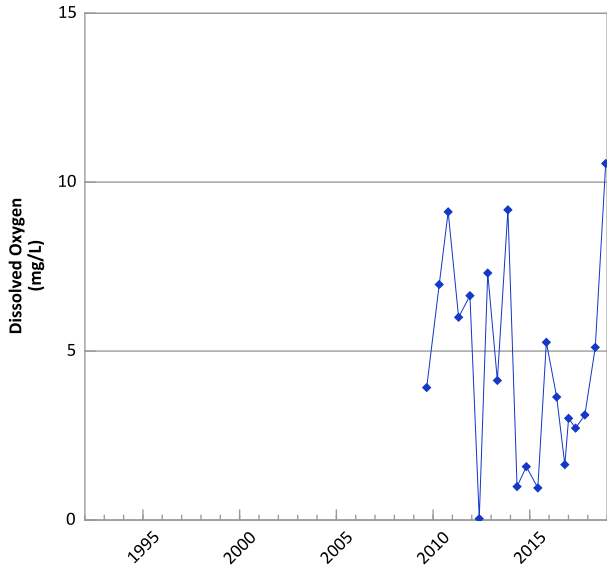
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 08/27/2018
Analysis Date: 02/14/2019

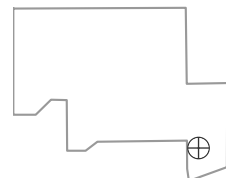
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



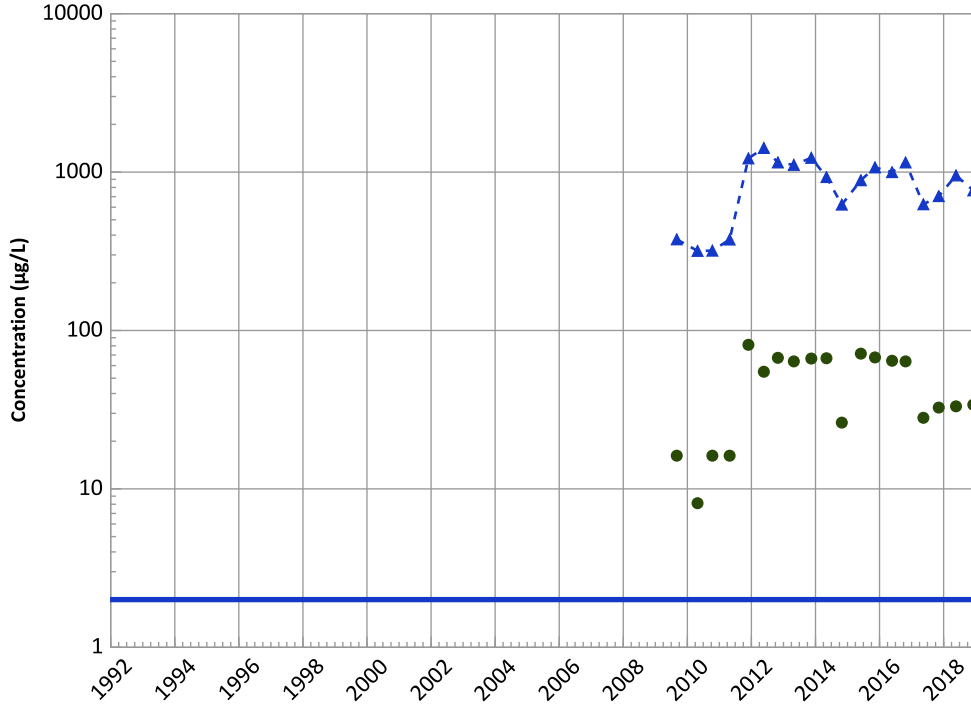
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/02/2009 to 12/05/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

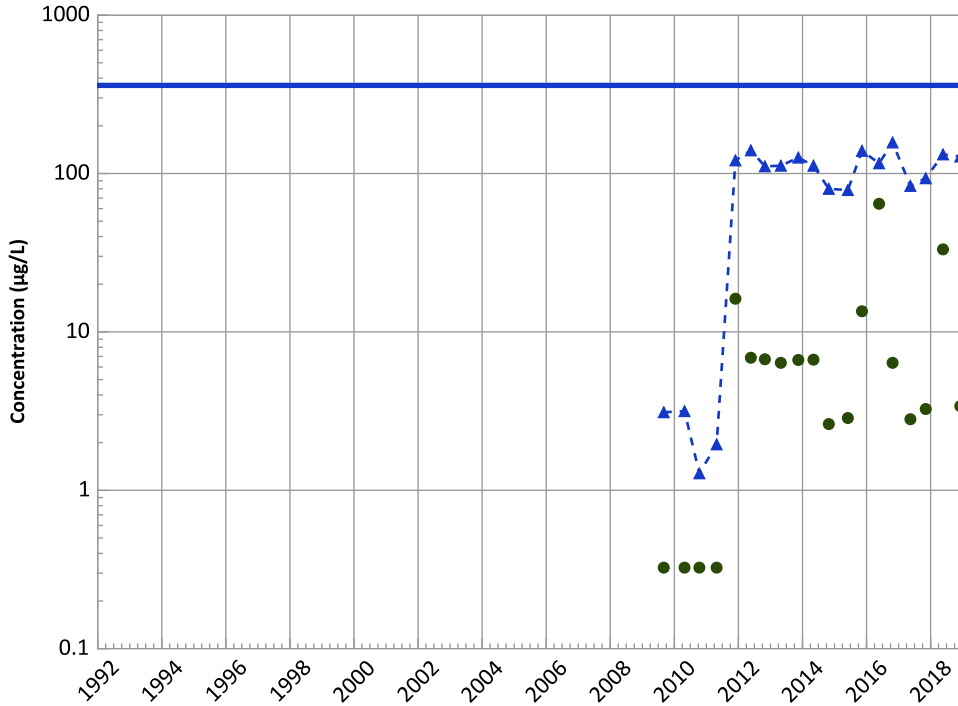
Data (2017 - 2021):

Stable

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

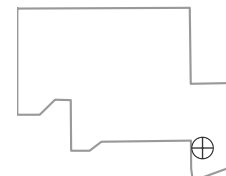
Data (2017 - 2021):

No Trend

All Data:

Increasing

Well Location

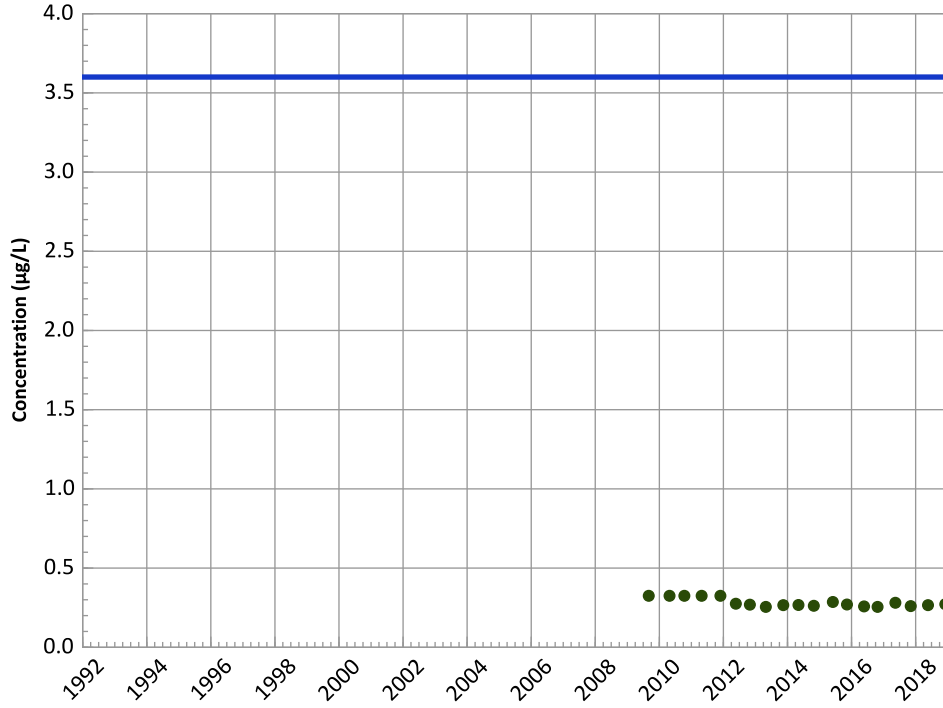


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

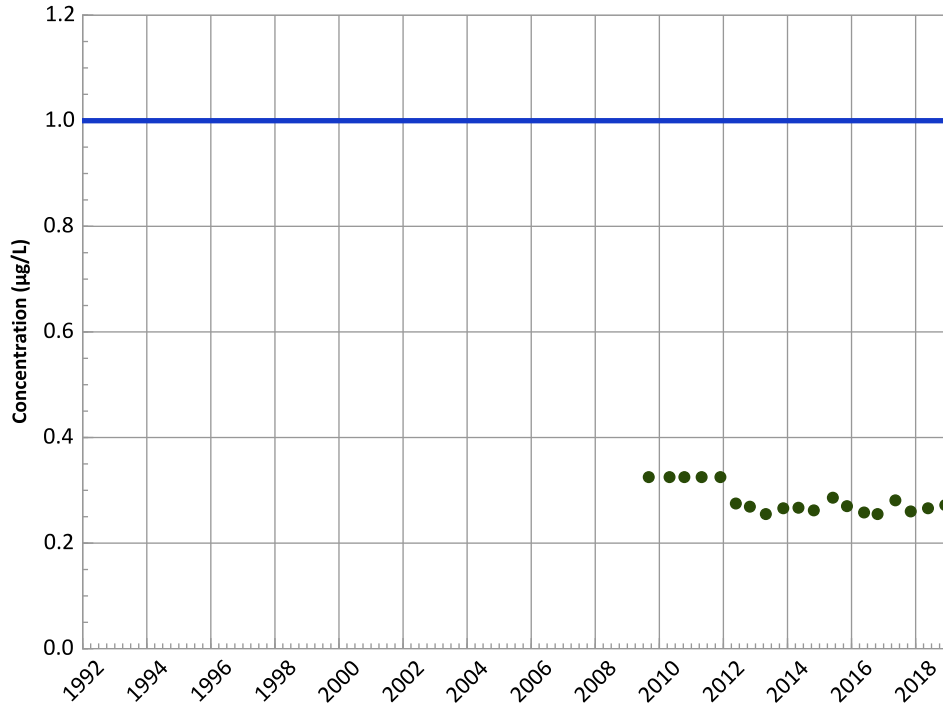
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

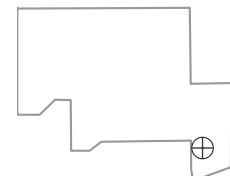
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

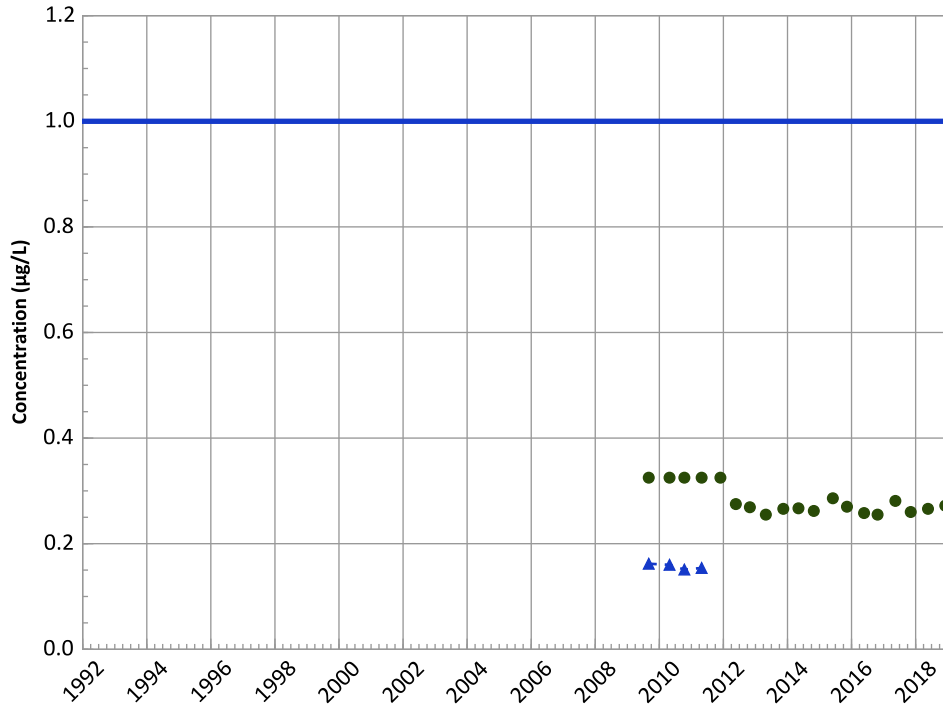


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

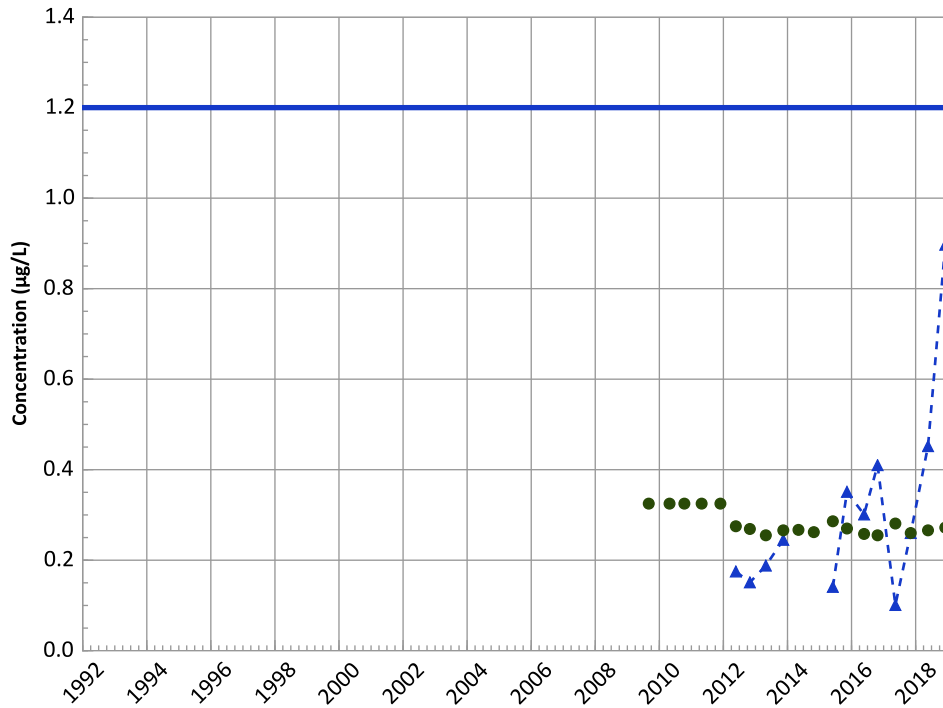
Data (2017 - 2021):

All Non-Detect

All Data:

Probably Decreasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

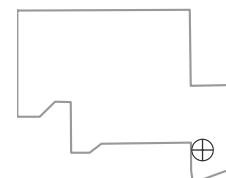
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

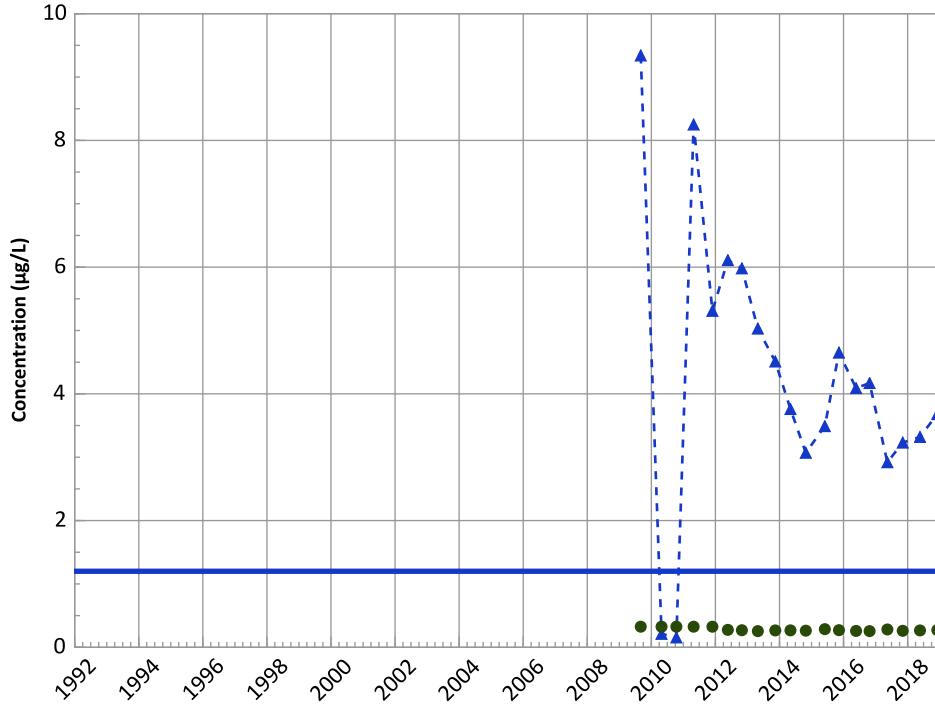


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

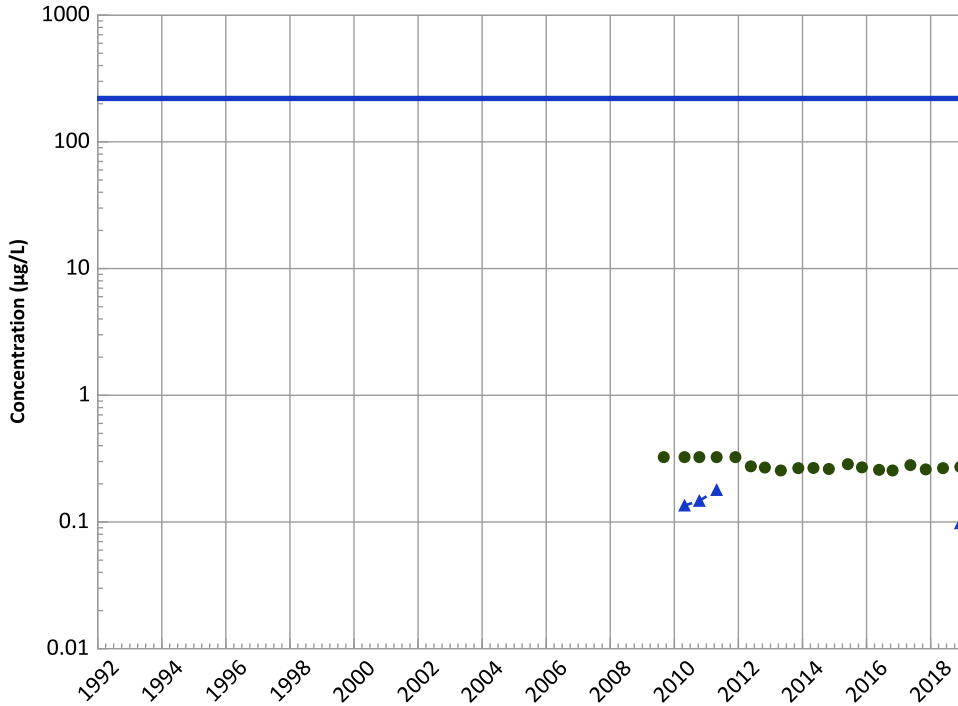
Data (2017 - 2021):

Decreasing

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

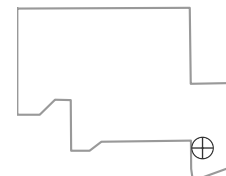
Data (2017 - 2021):

All Non-Detect

All Data:

Probably Decreasing

Well Location

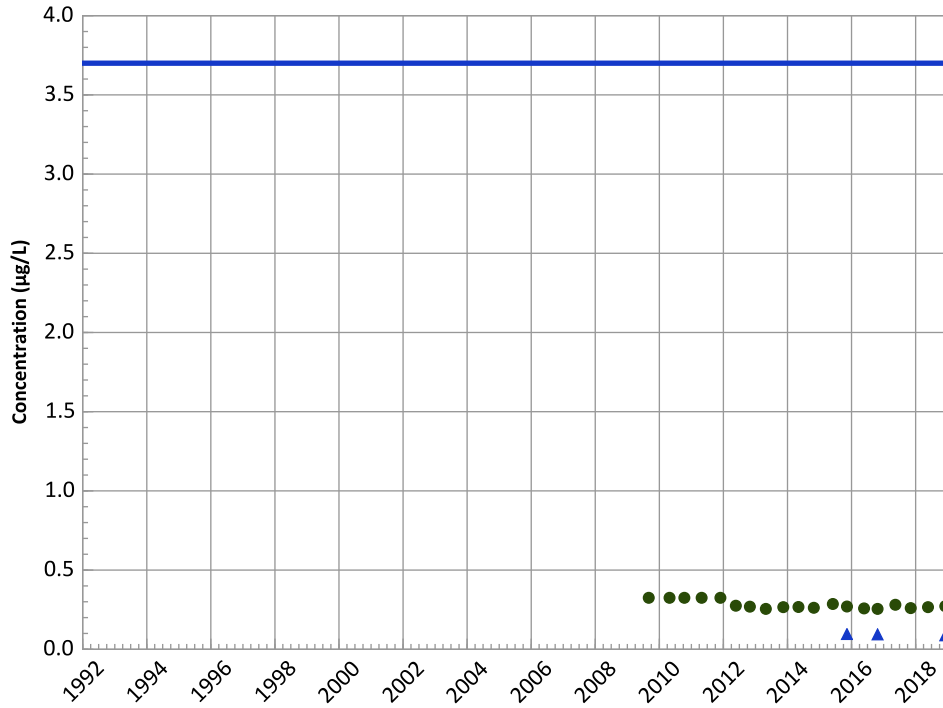


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

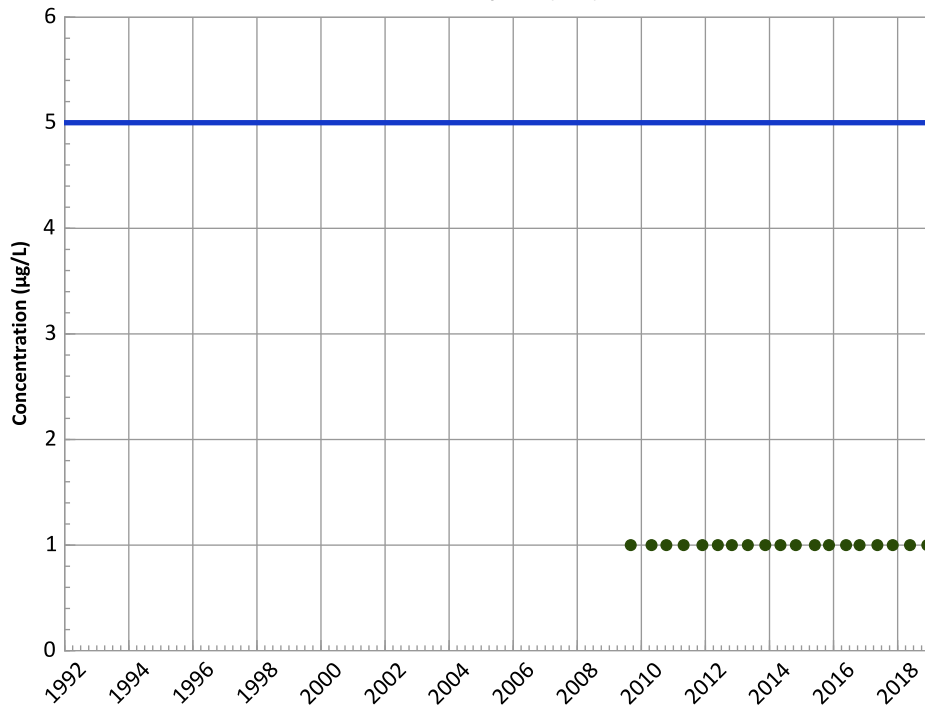


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend

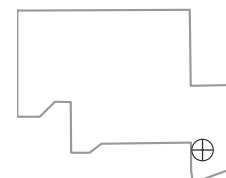


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

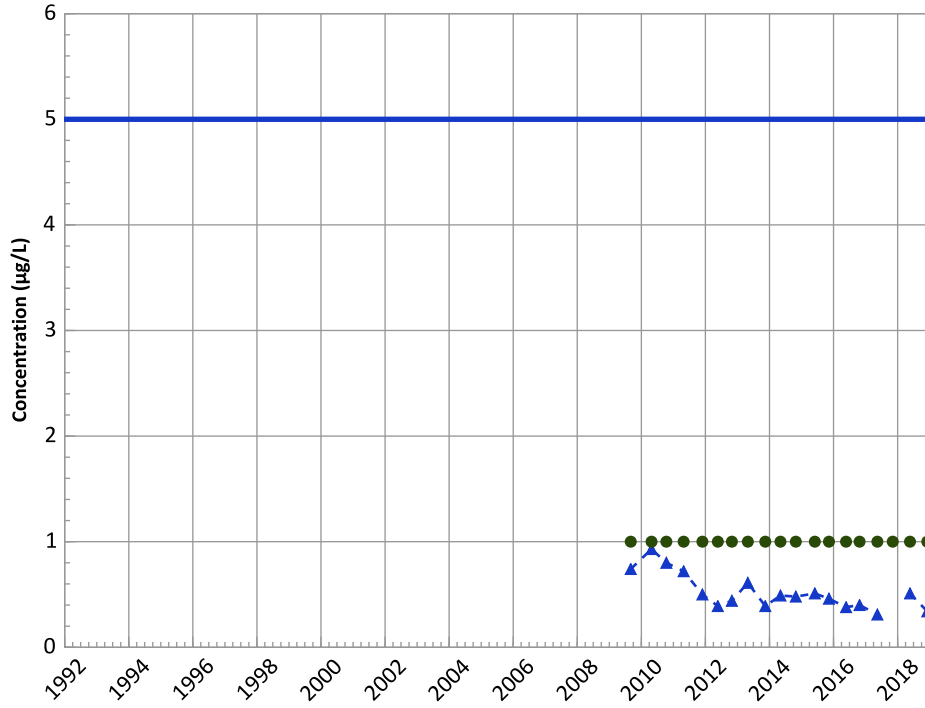


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

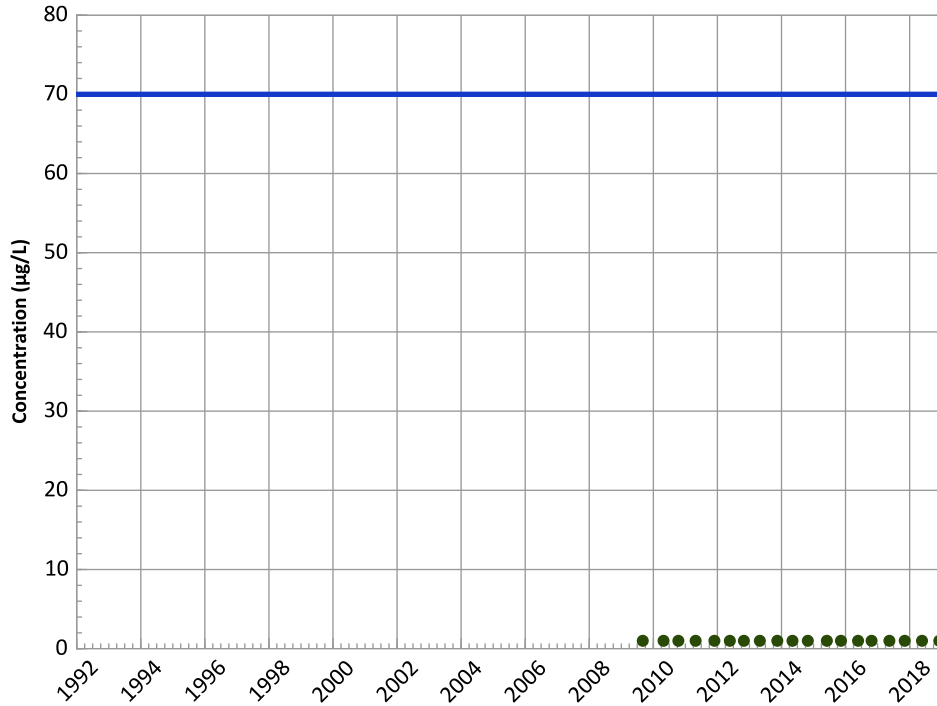
Data (2017 - 2021):

Stable

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

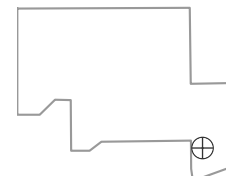
All Data:

All Non-Detect

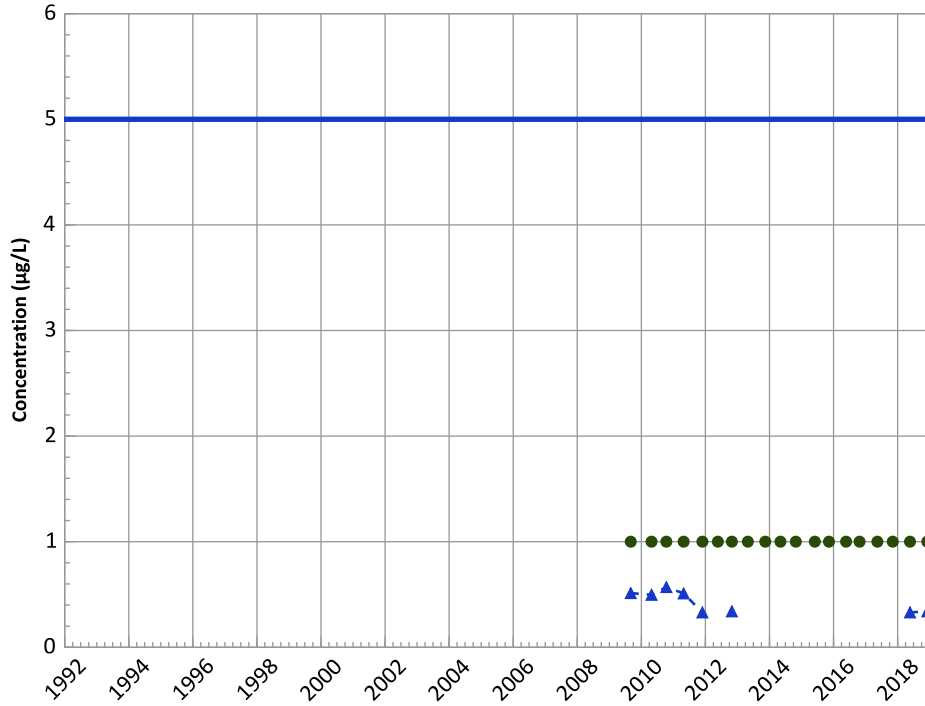
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

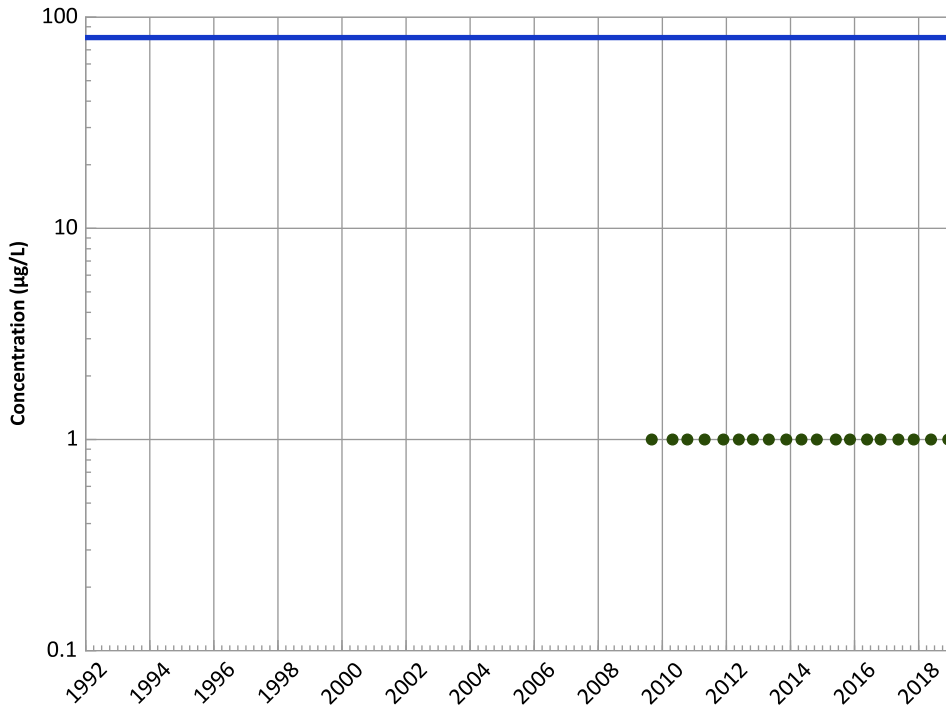


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Chloroform Trend

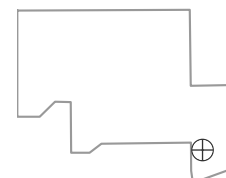


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

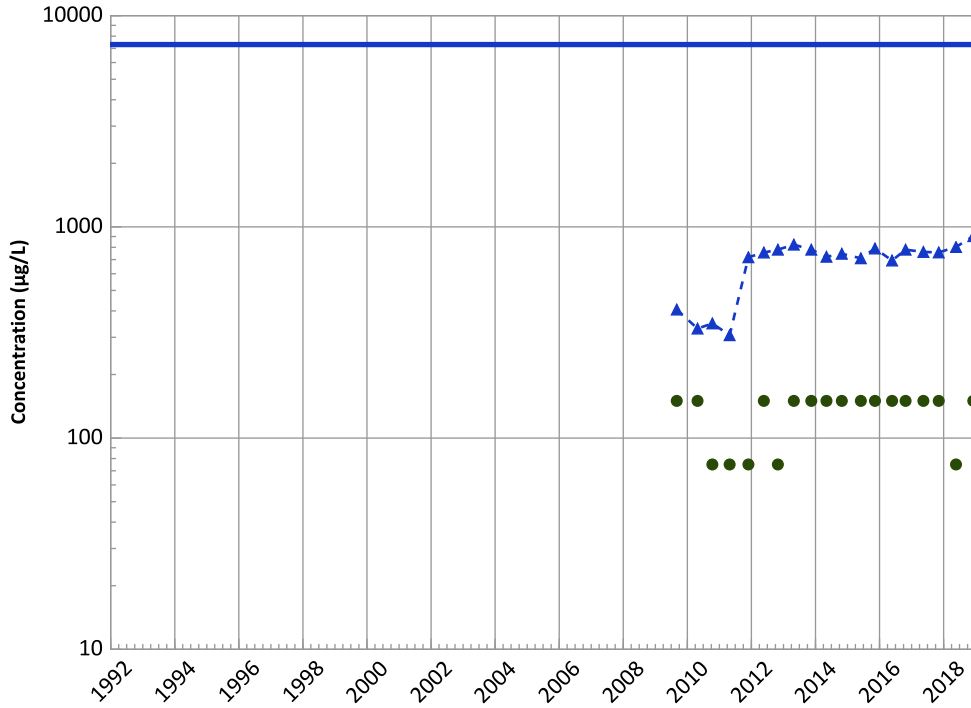


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

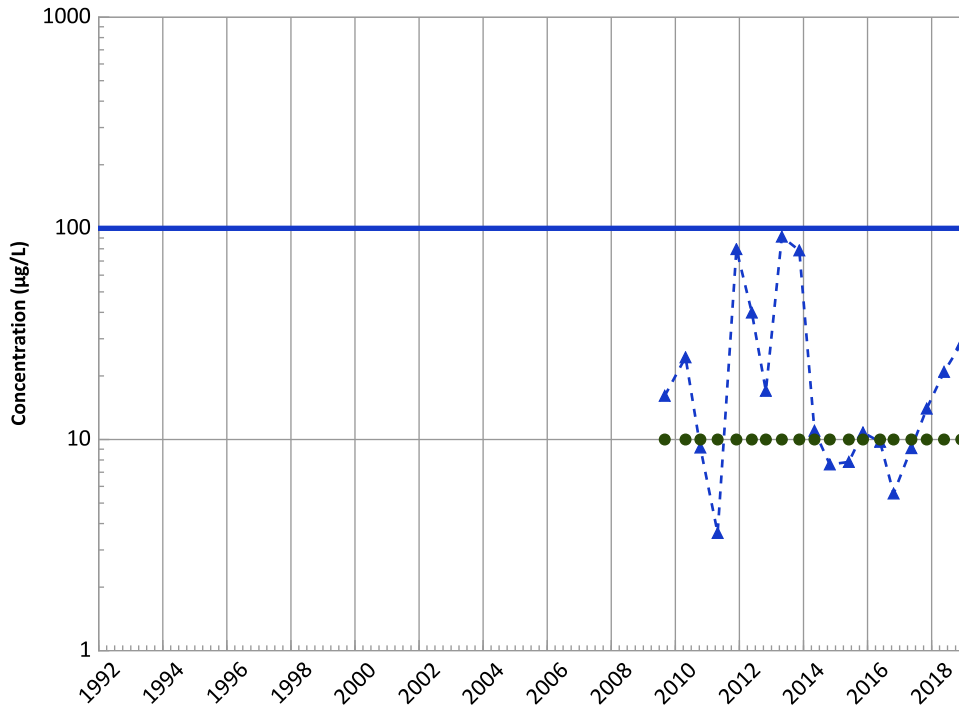
Data (2017 - 2021):

Stable

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

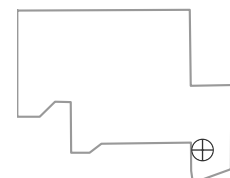
Data (2017 - 2021):

Decreasing

All Data:

No Trend

Well Location

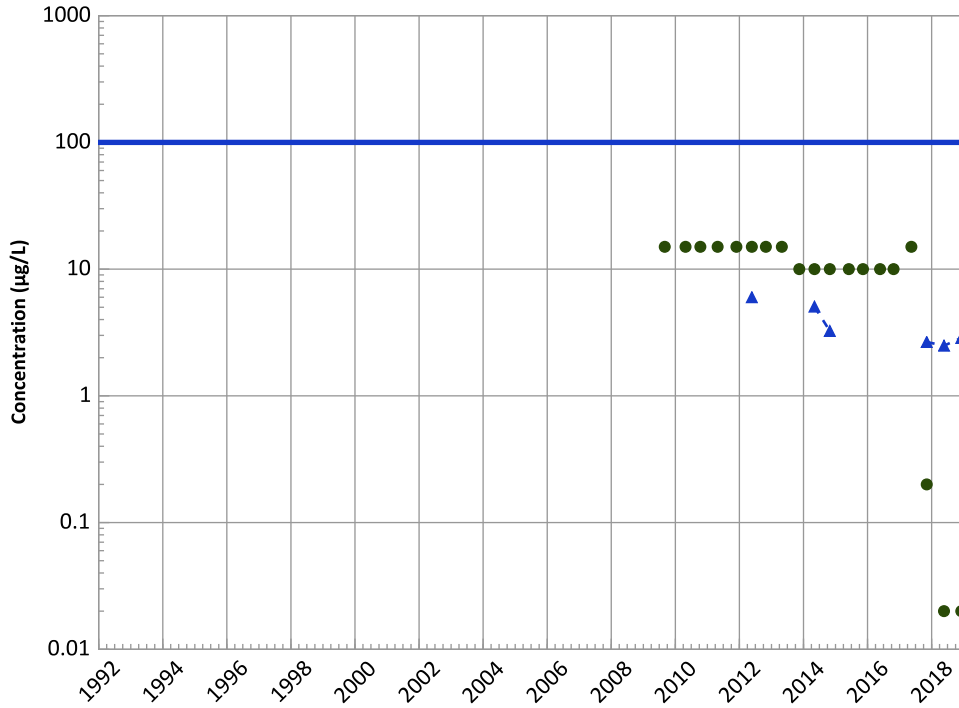


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

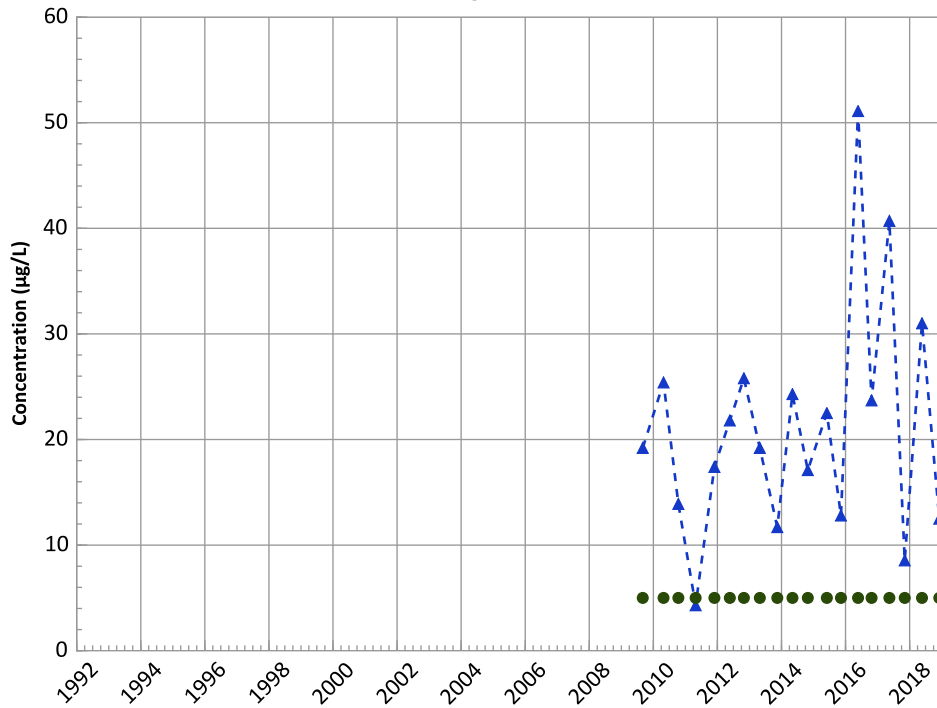


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend

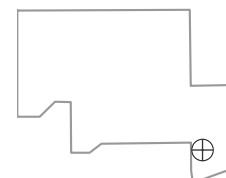


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
No Trend

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

Well Location

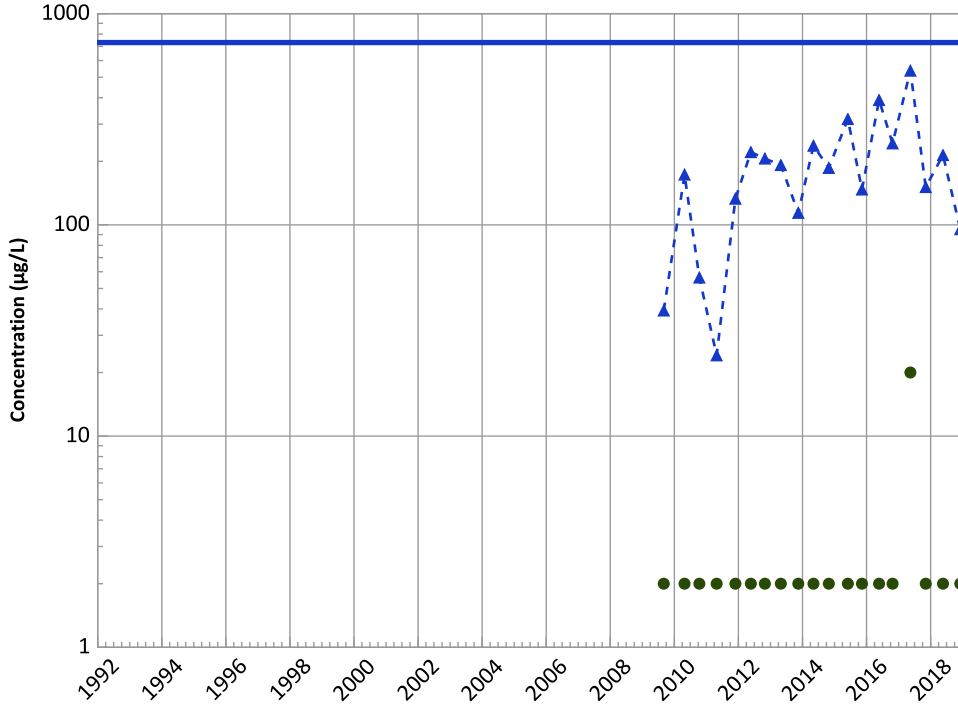


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1147 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

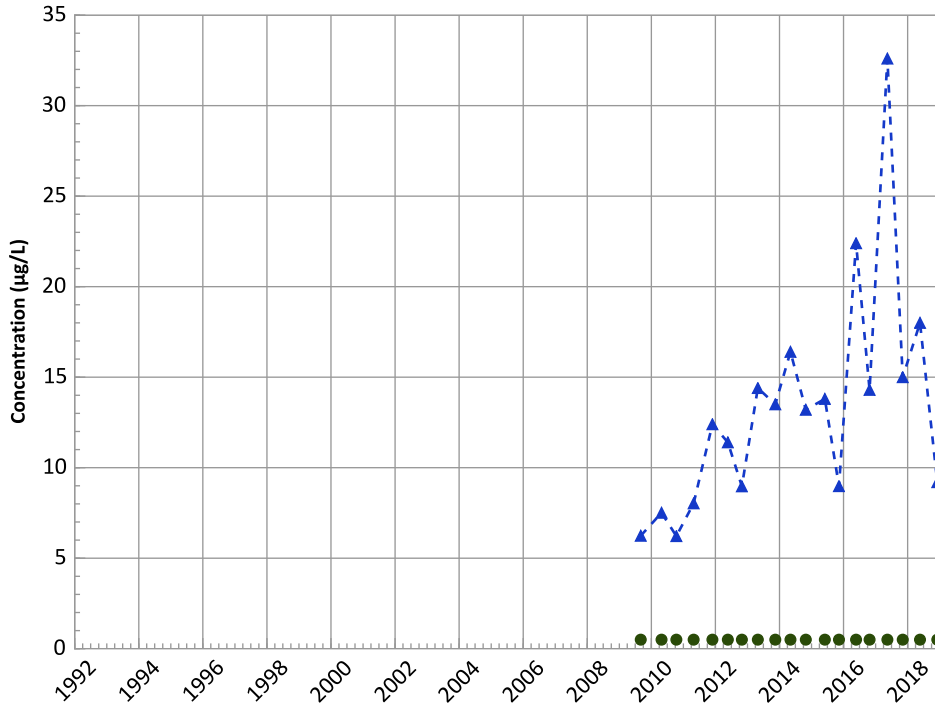
Data (2017 - 2021):

No Trend

All Data:

Increasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

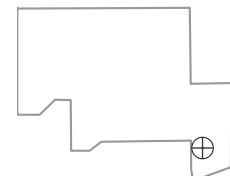
Data (2017 - 2021):

No Trend

All Data:

Increasing

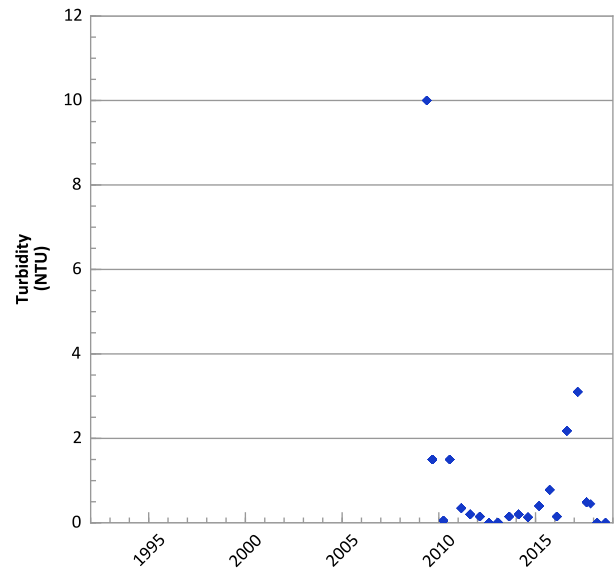
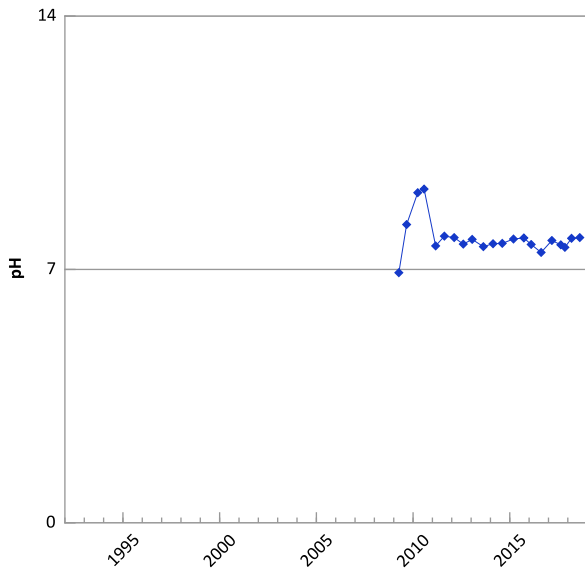
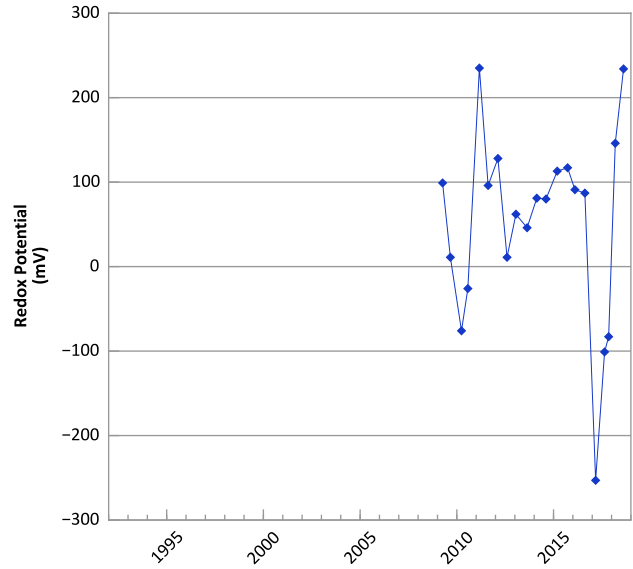
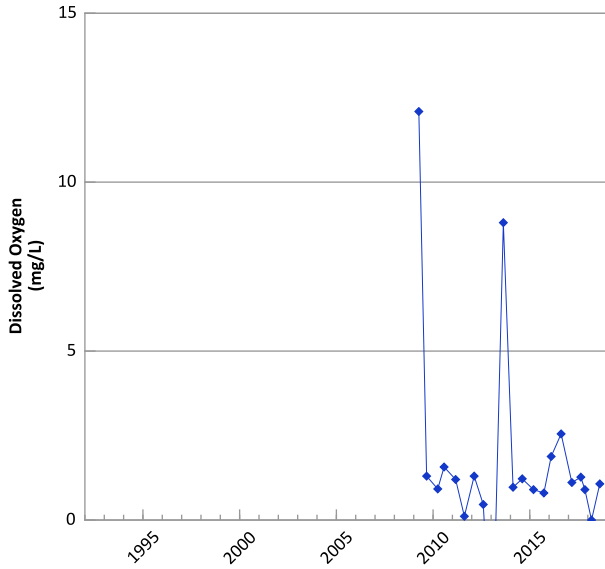
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/02/2009 to 12/05/2018
Analysis Date: 02/14/2019

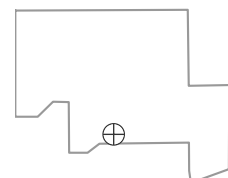
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



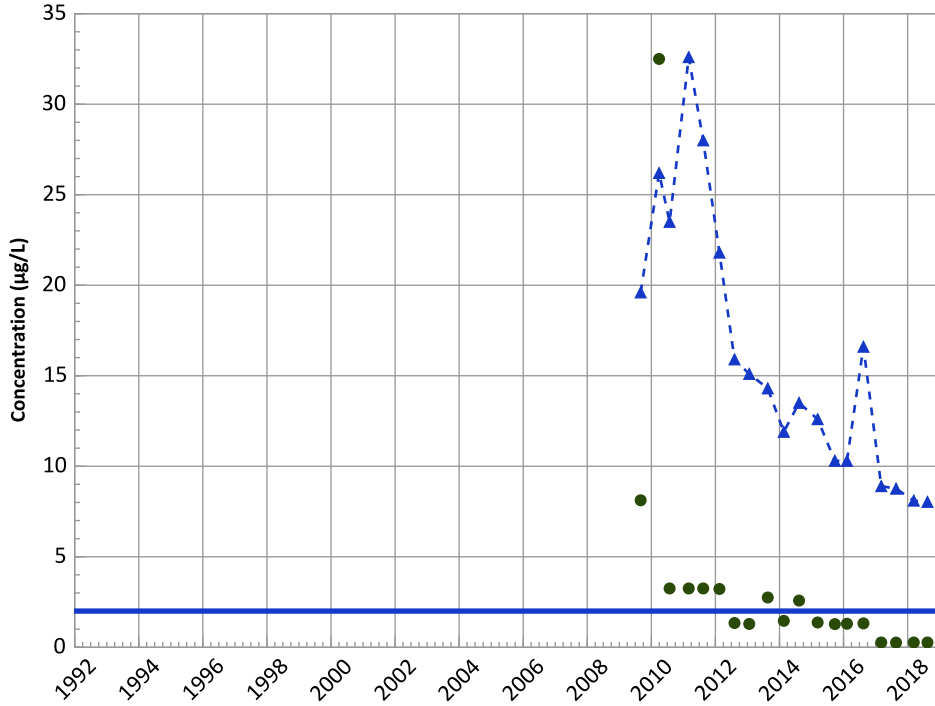
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 05/20/2009 to 08/15/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

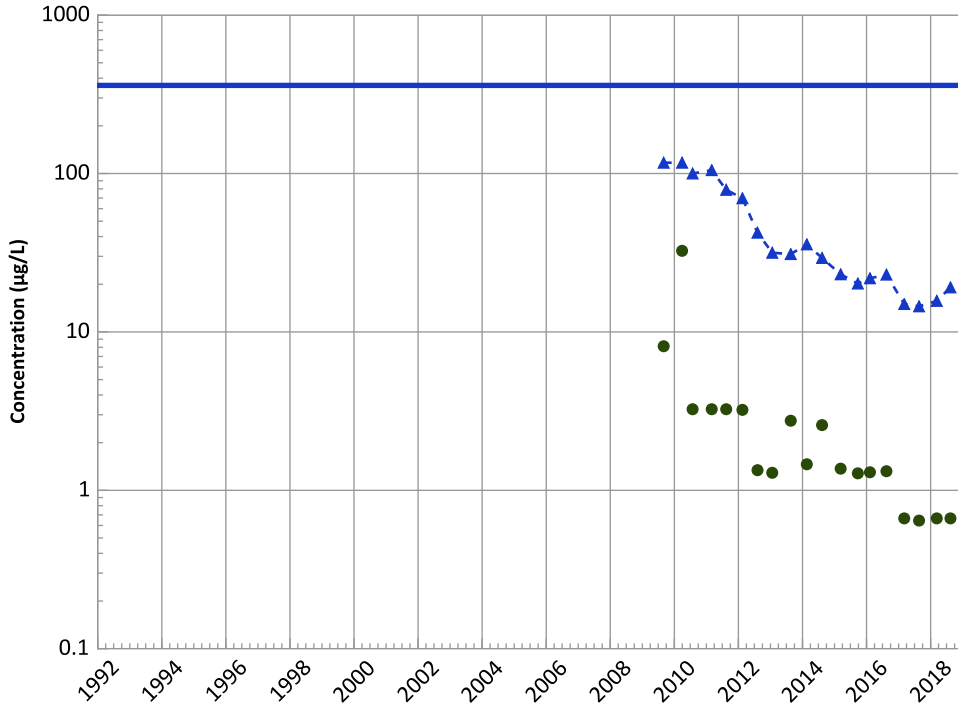
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

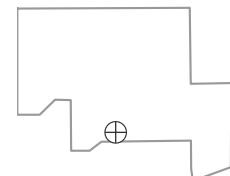
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

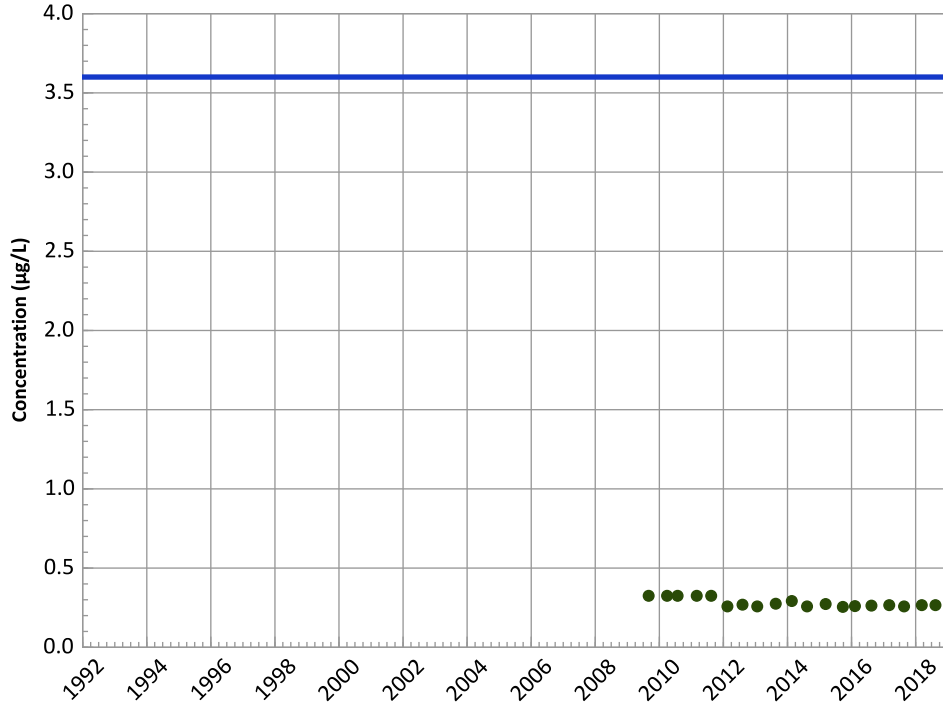


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

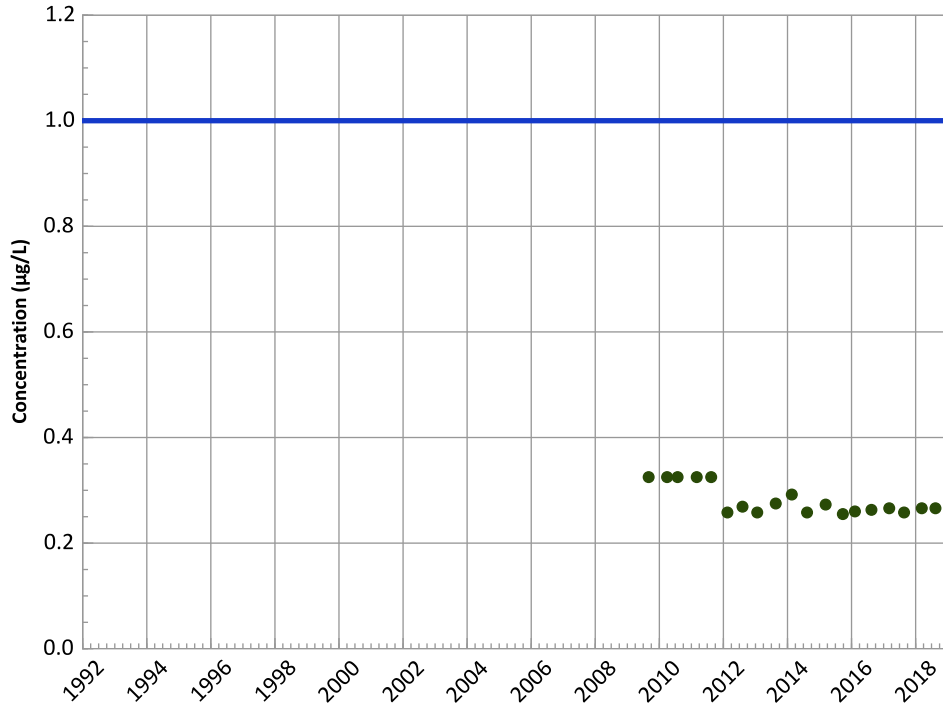
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

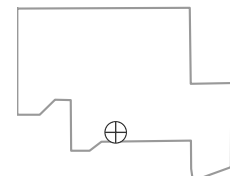
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

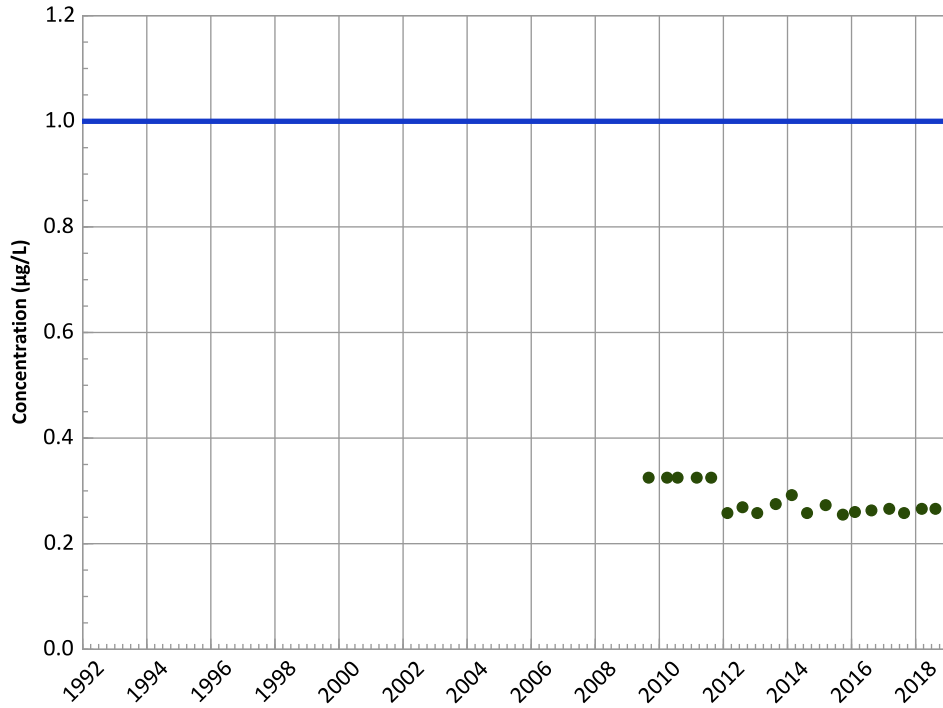


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

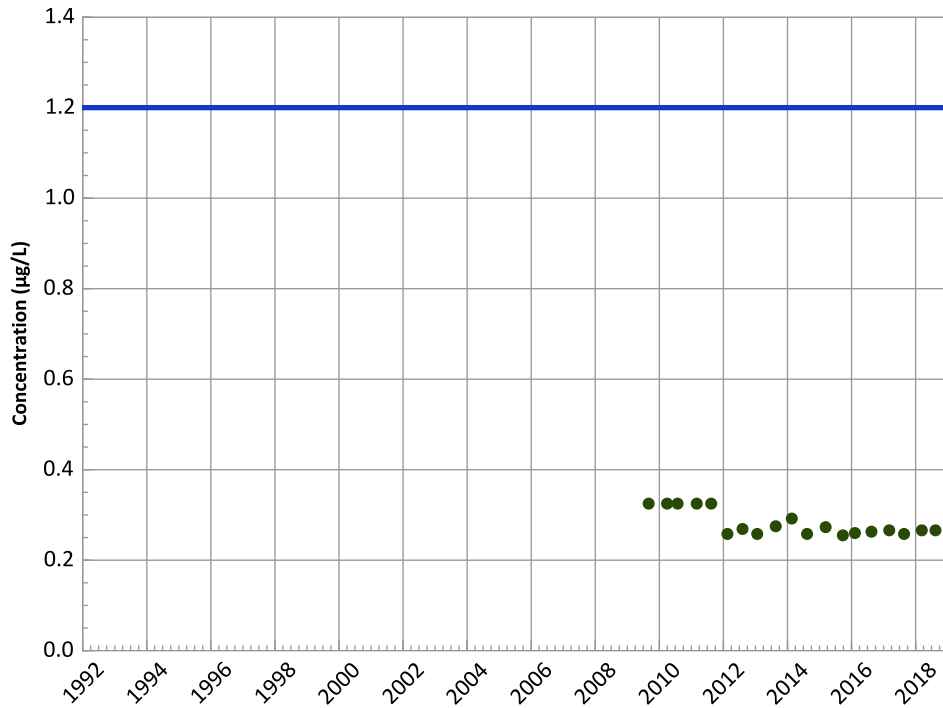
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

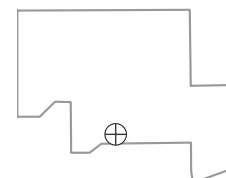
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

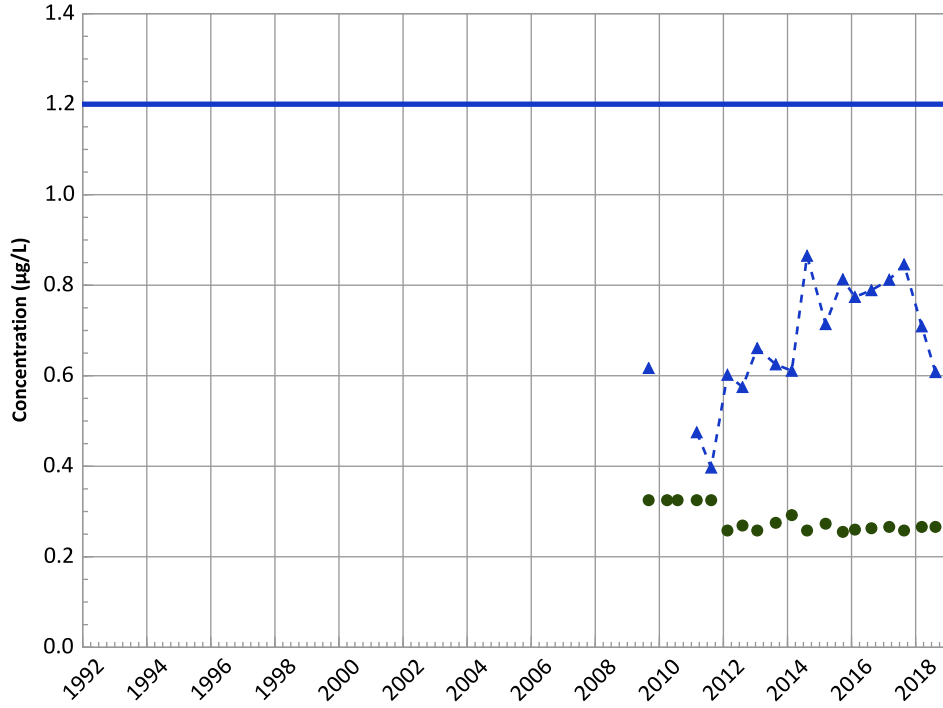


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

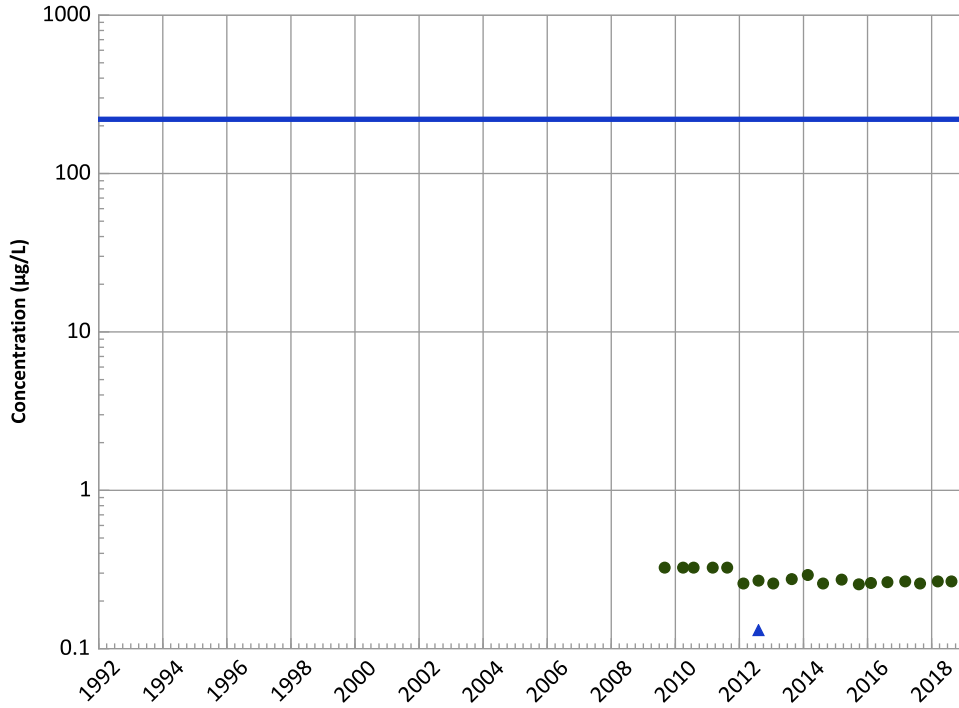
Data (2017 - 2021):

Increasing

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

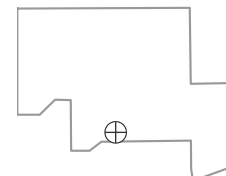
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

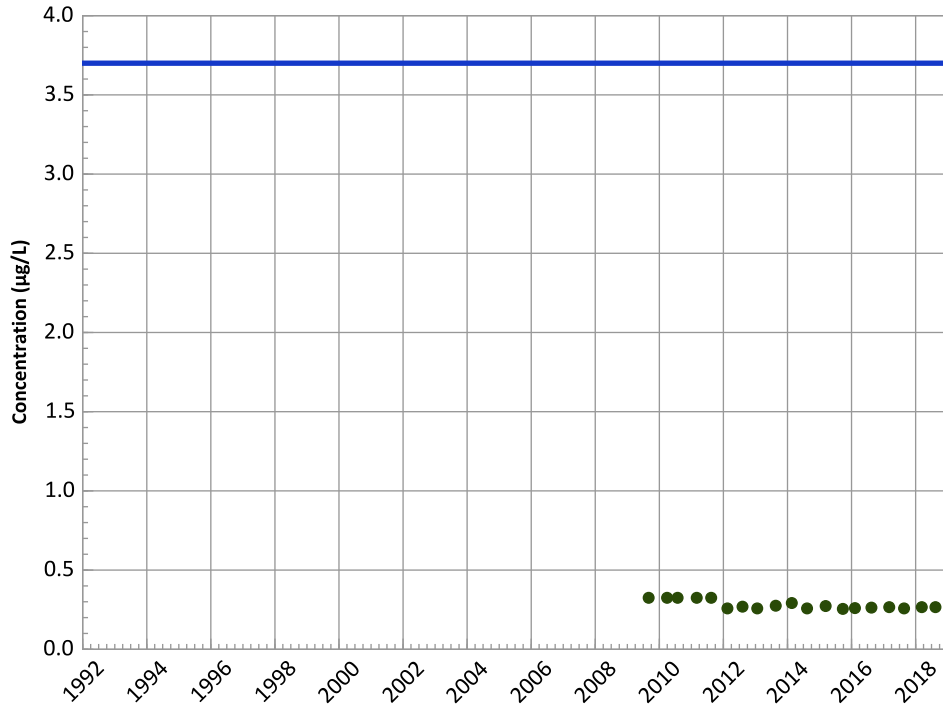


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

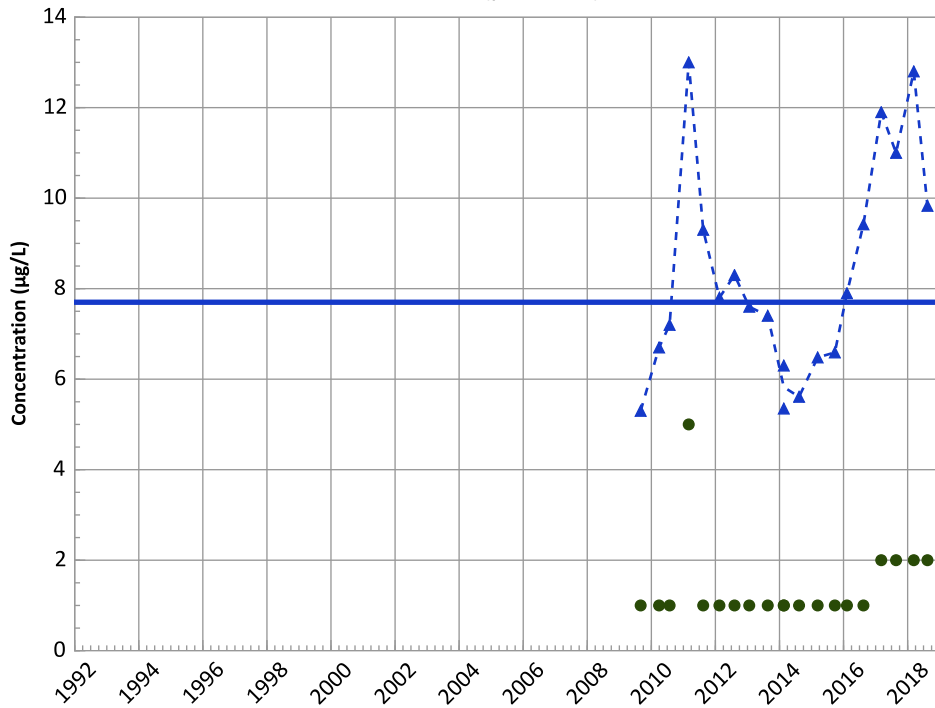


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

1,4-Dioxane (p-Dioxane) Trend

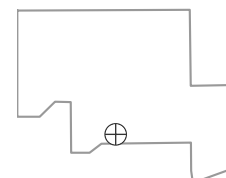


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

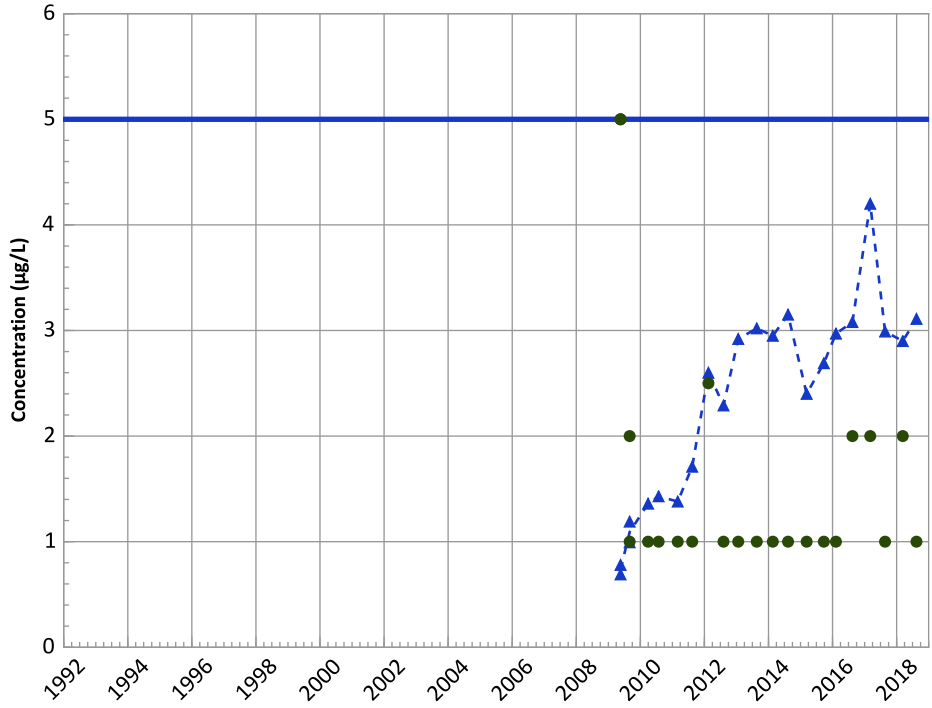
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

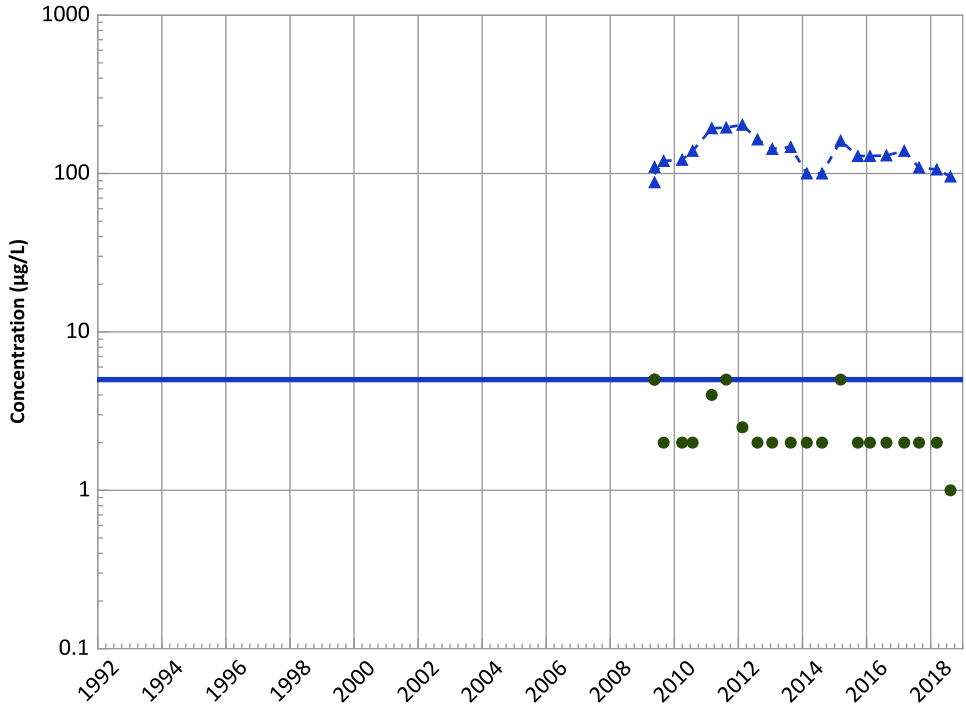
Data (2017 - 2021):

No Trend

All Data:

Increasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

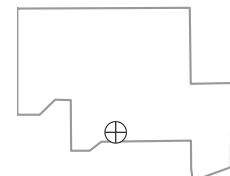
Data (2017 - 2021):

Probably Decreasing

All Data:

Probably Decreasing

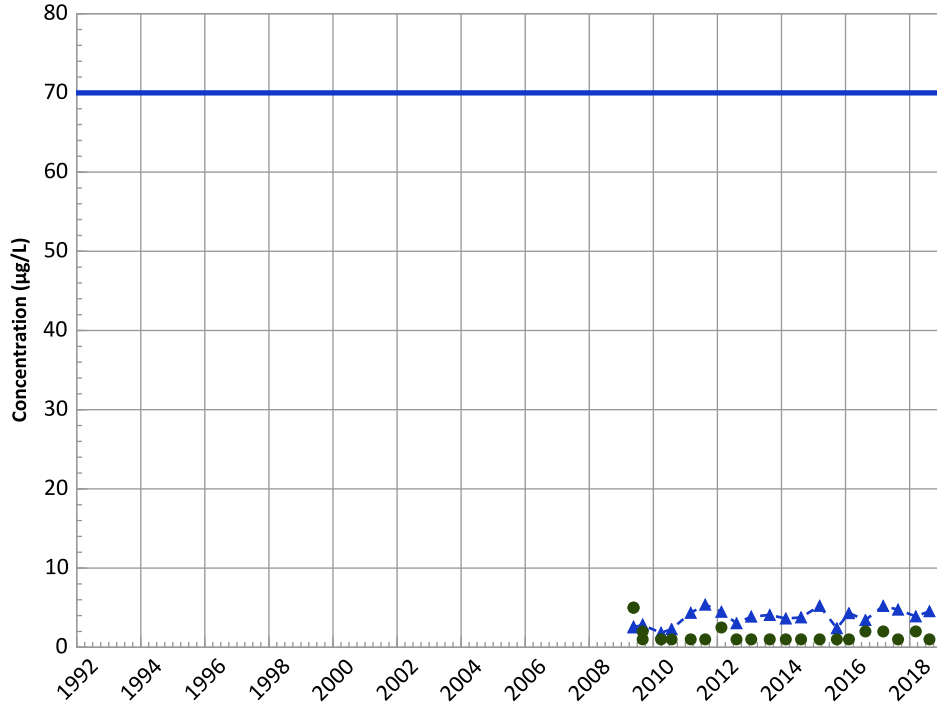
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

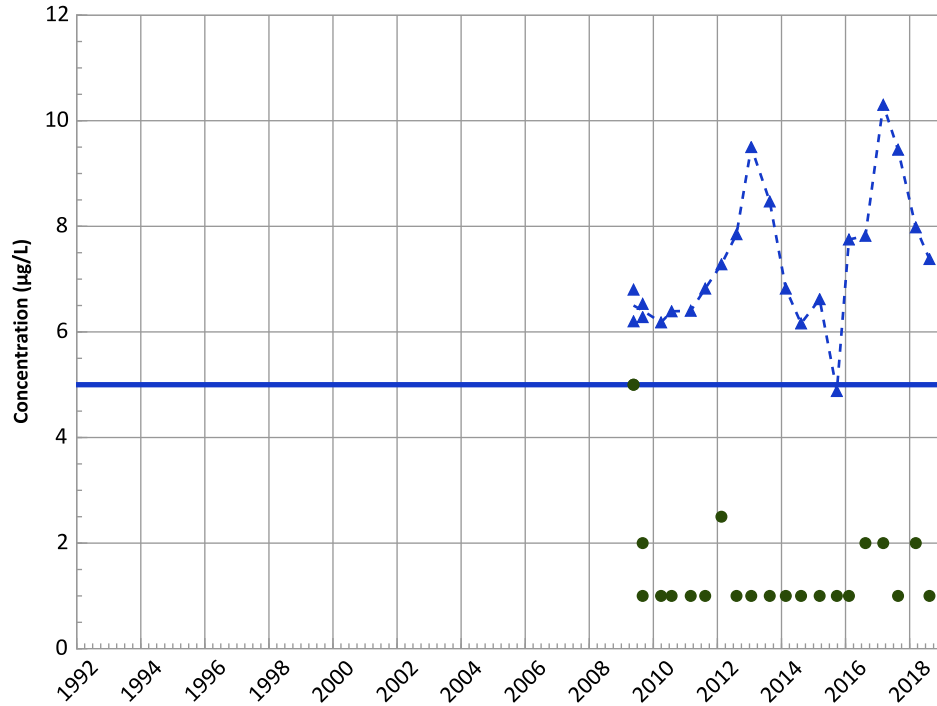
Data (2017 - 2021):

Stable

All Data:

Increasing

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

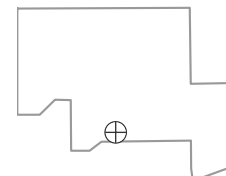
Data (2017 - 2021):

Stable

All Data:

Increasing

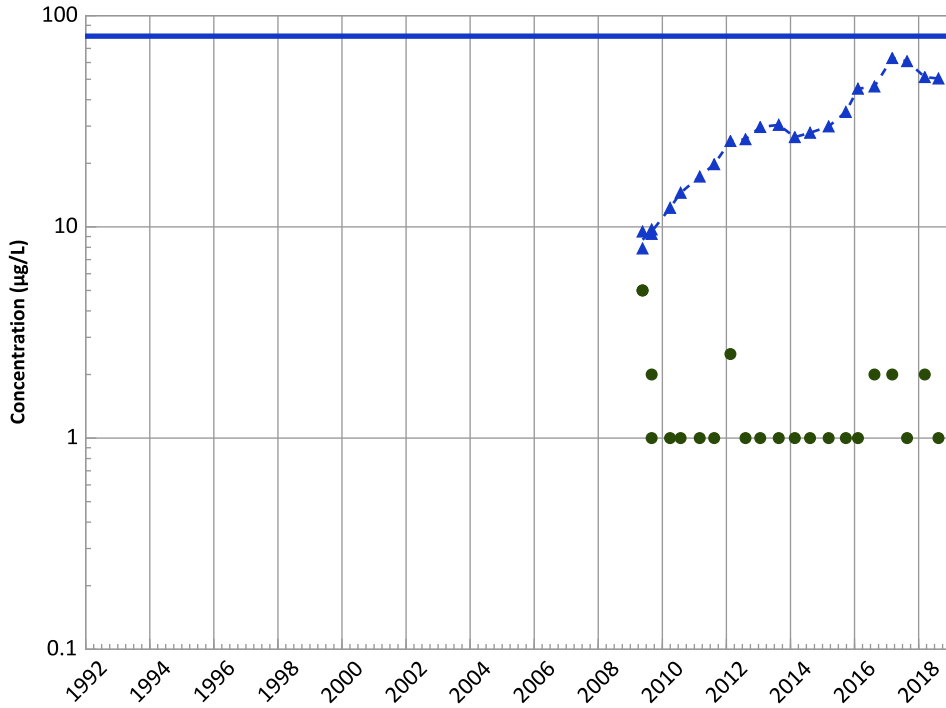
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend

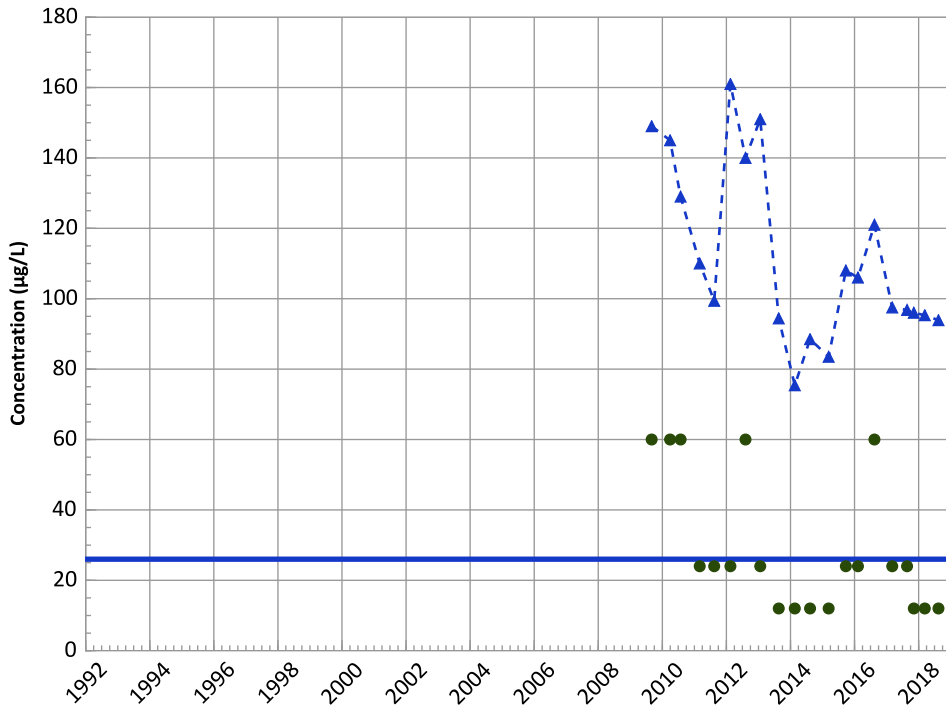


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Perchlorate Trend



Concentration Trend

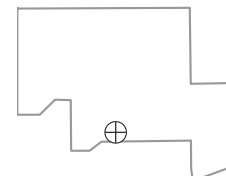
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

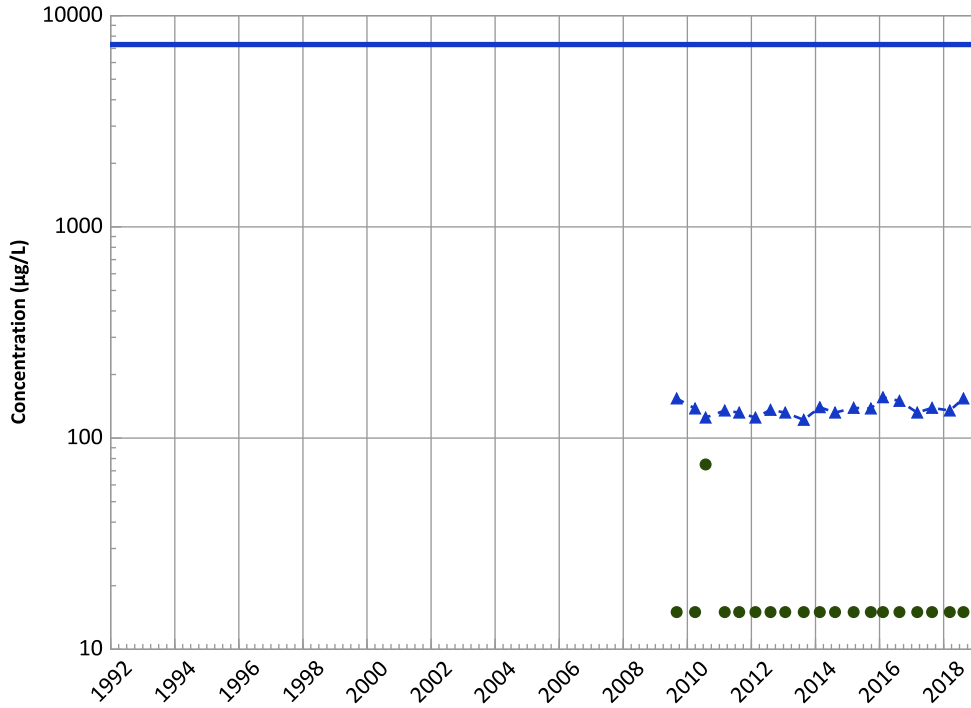
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1151 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

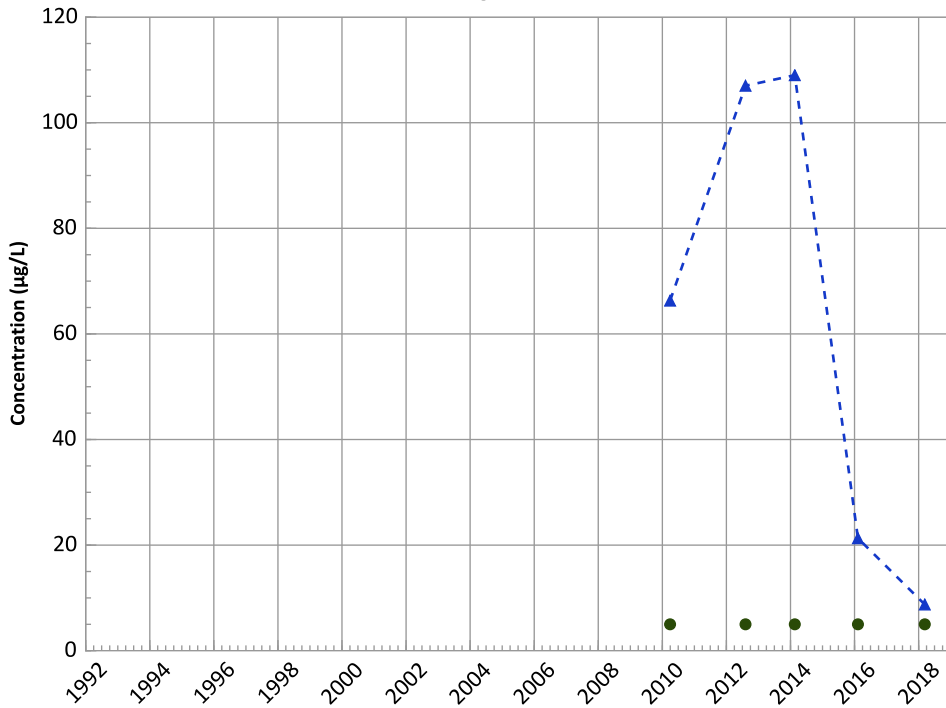
Data (2017 - 2021):

Increasing

All Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

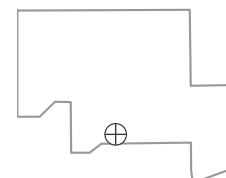
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Probably Decreasing

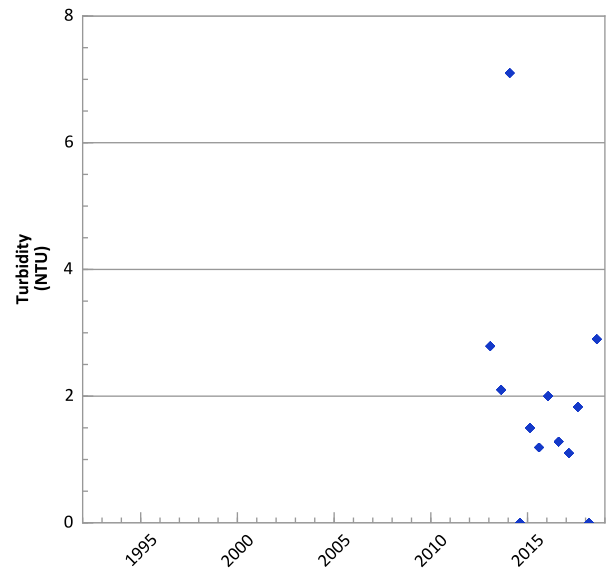
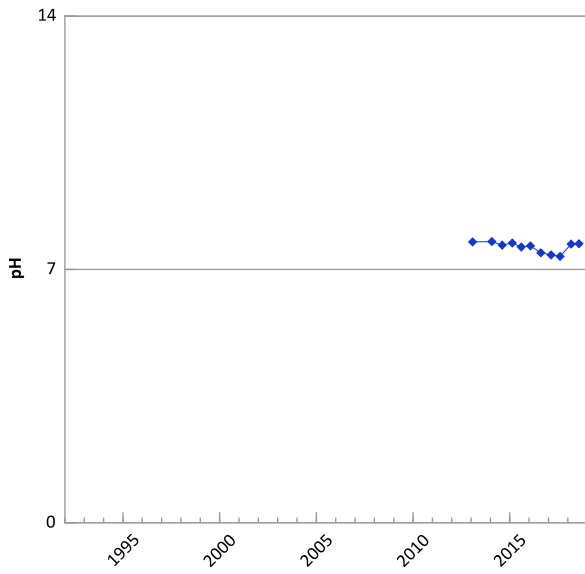
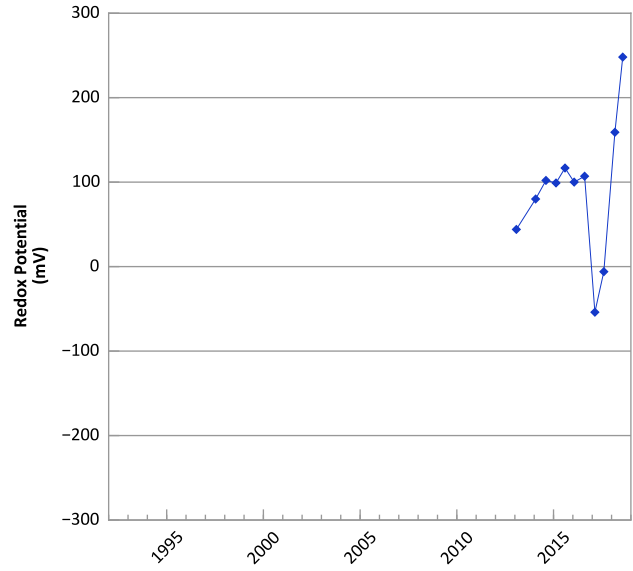
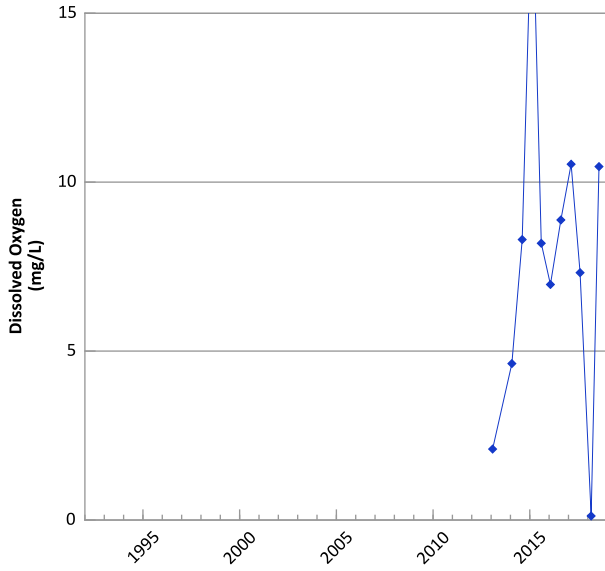
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/20/2009 to 08/15/2018
Analysis Date: 02/14/2019

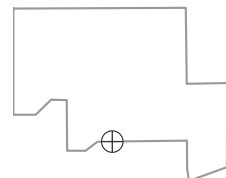
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



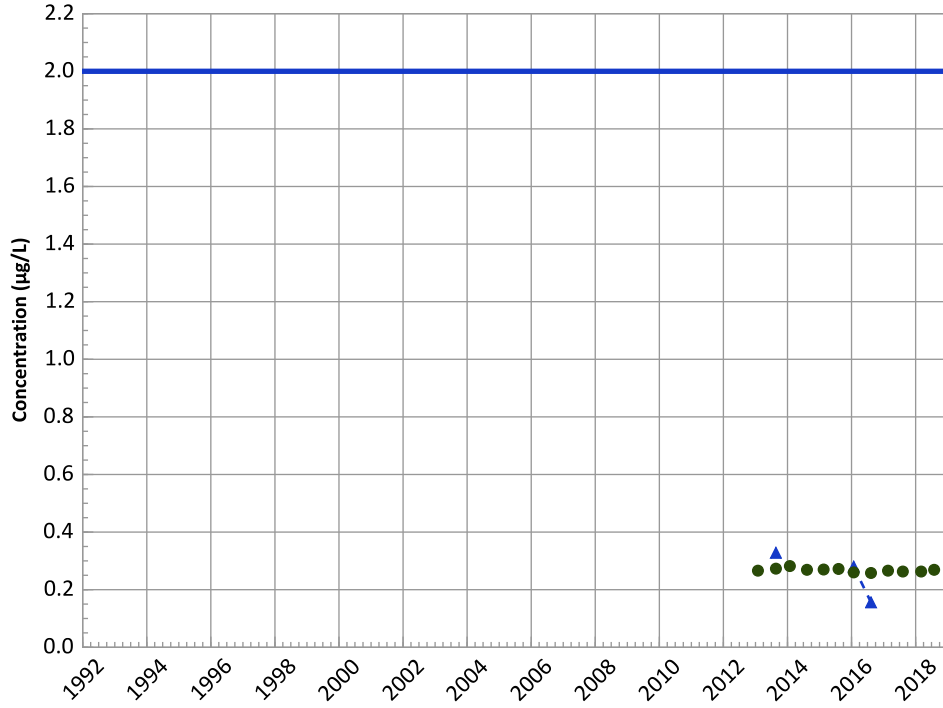
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 01/29/2013 to 07/31/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

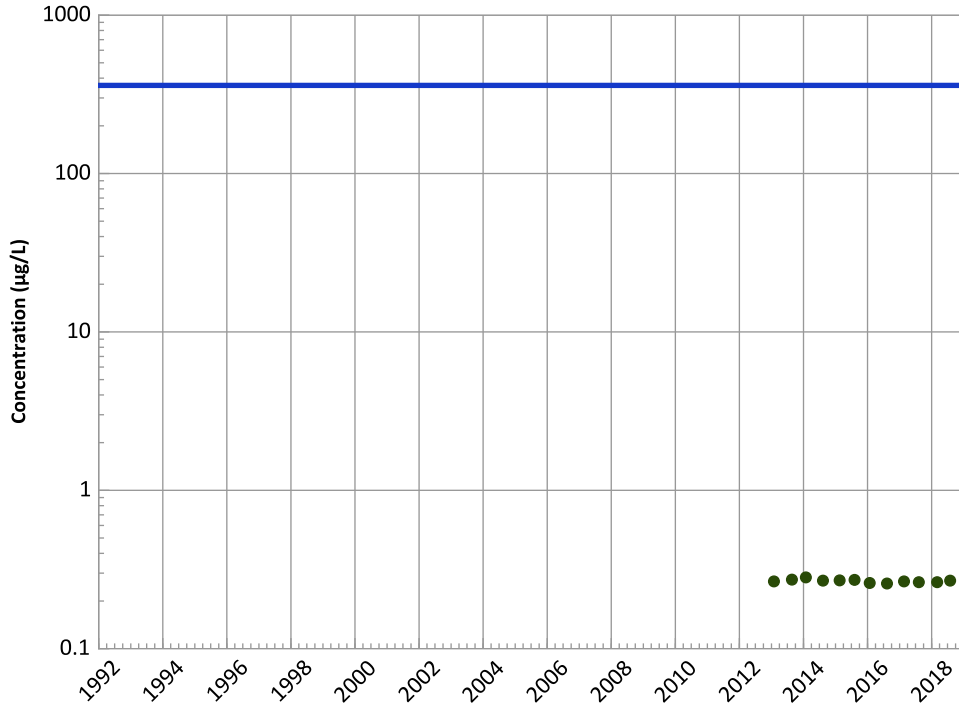


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

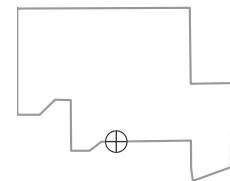


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

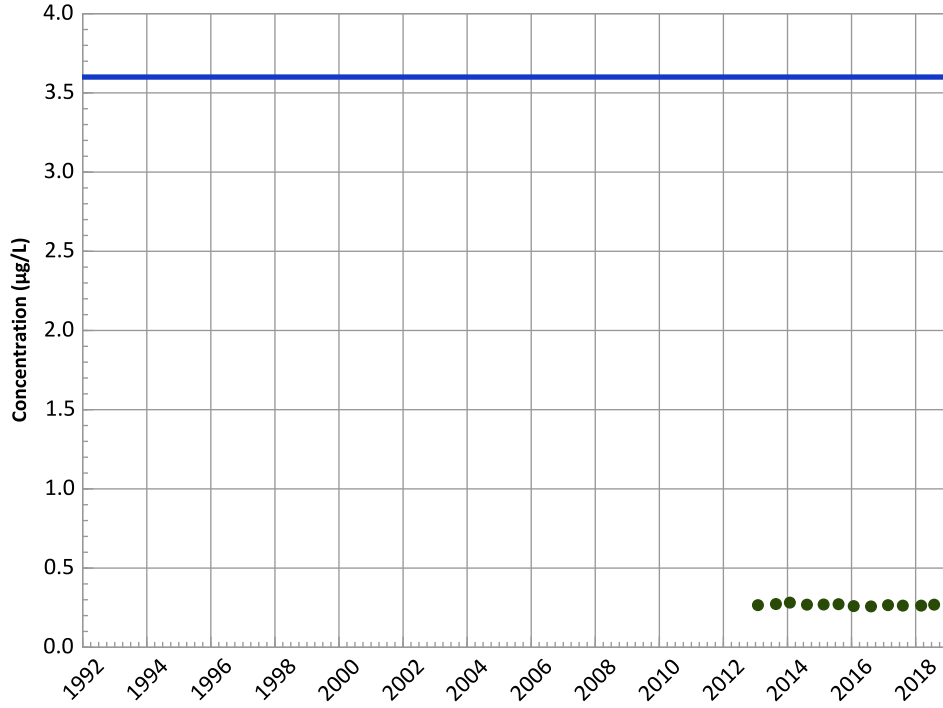


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

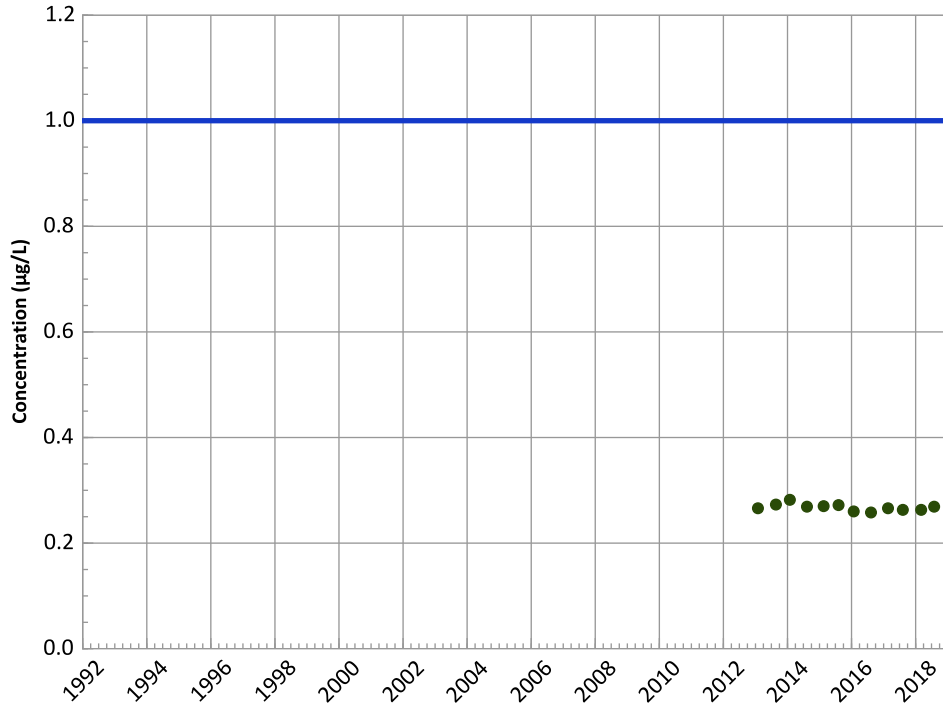
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

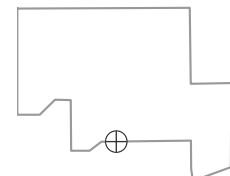
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

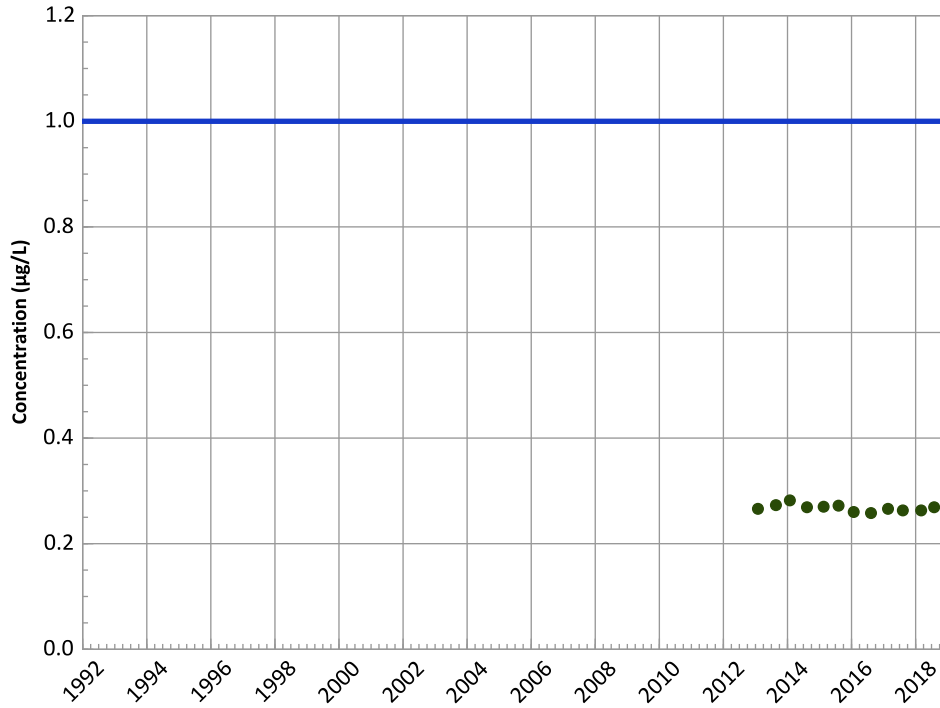


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

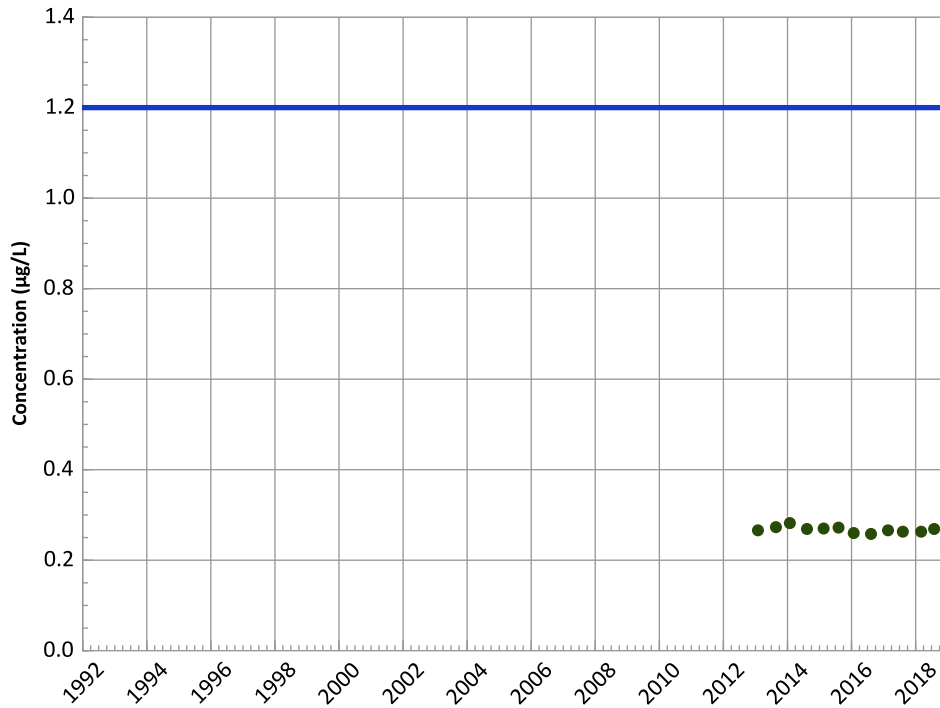


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

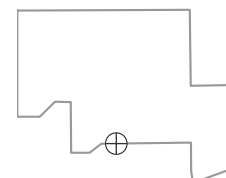


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

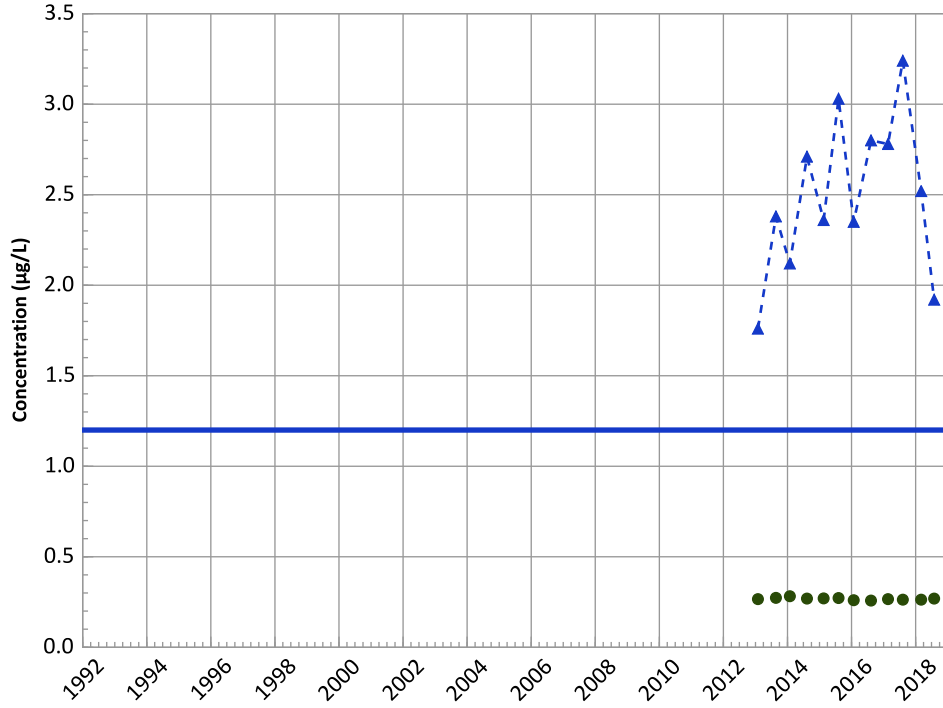


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

MAROS Linear Regression Method

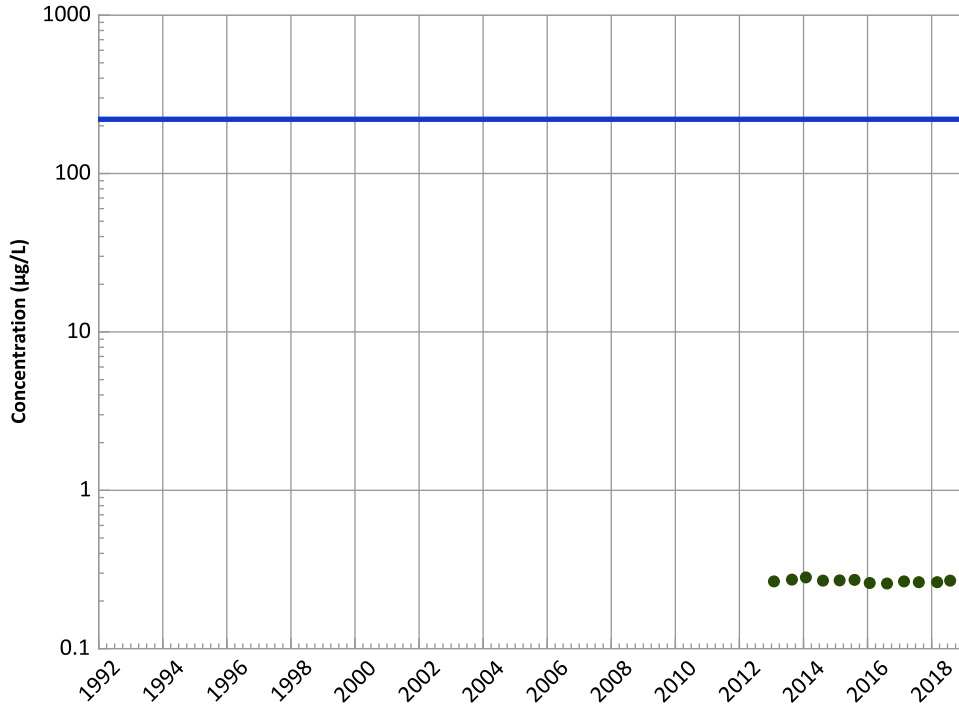
Data (2017 - 2021):

Increasing

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

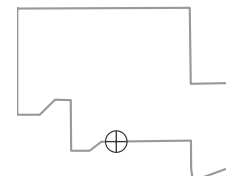
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

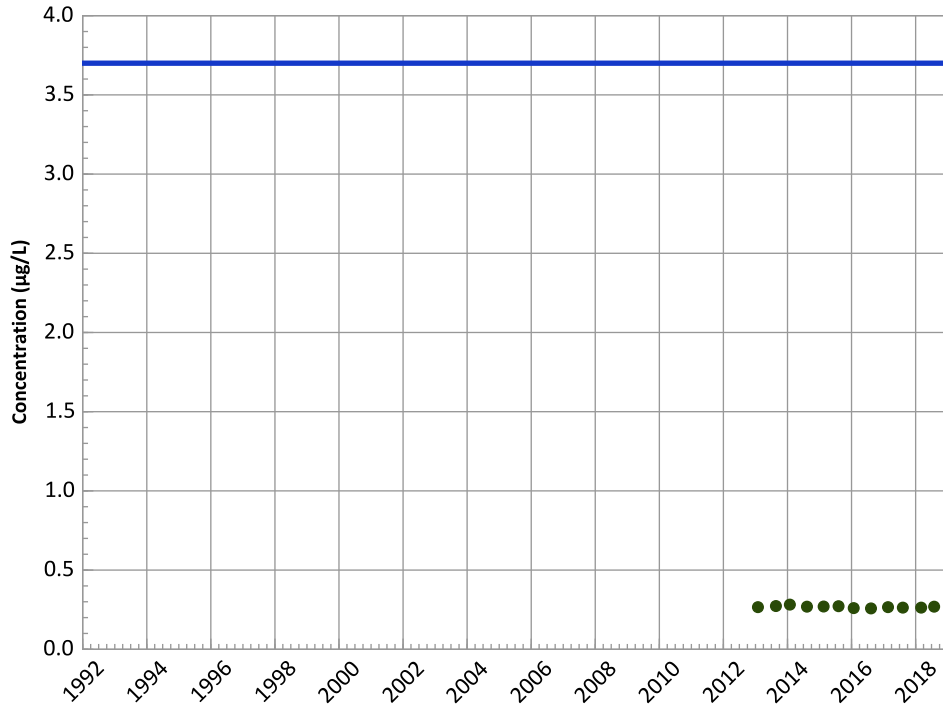
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

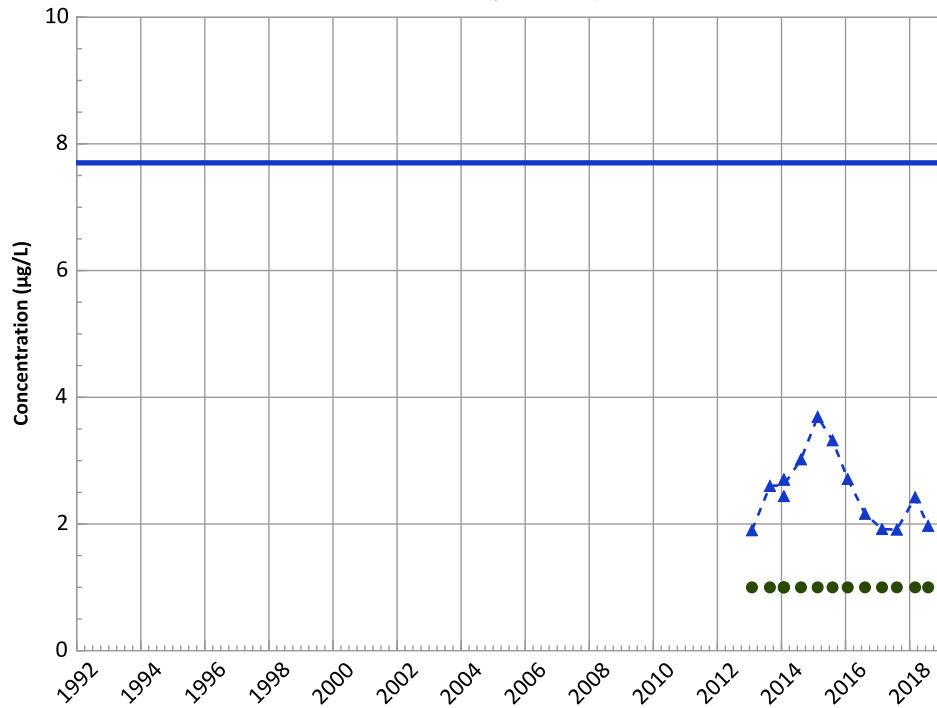
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

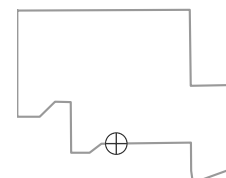
Data (2017 - 2021):

No Trend

All Data:

Stable

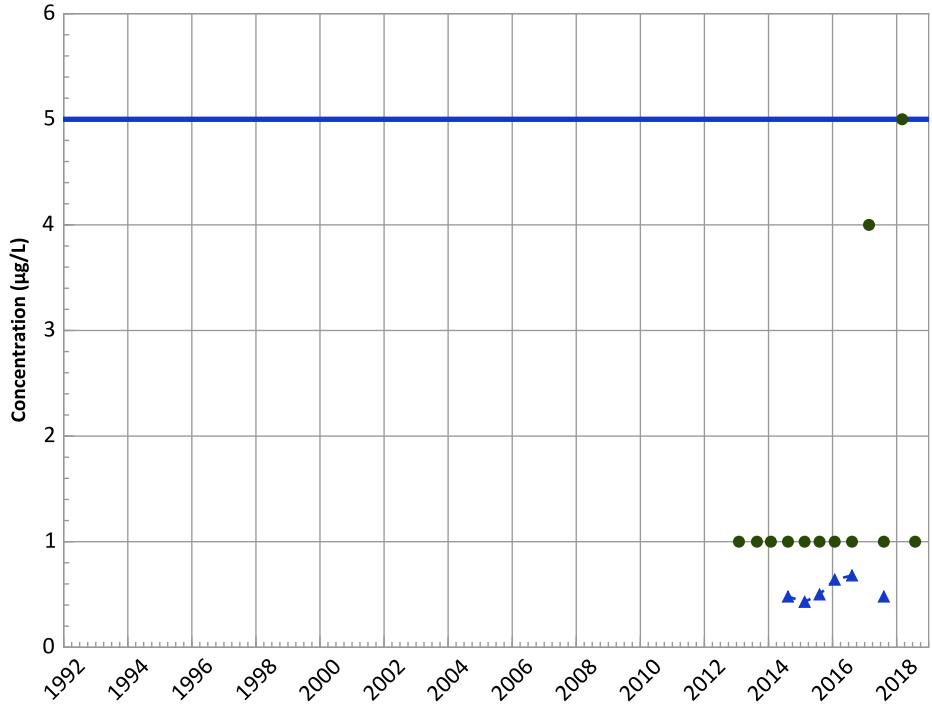
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

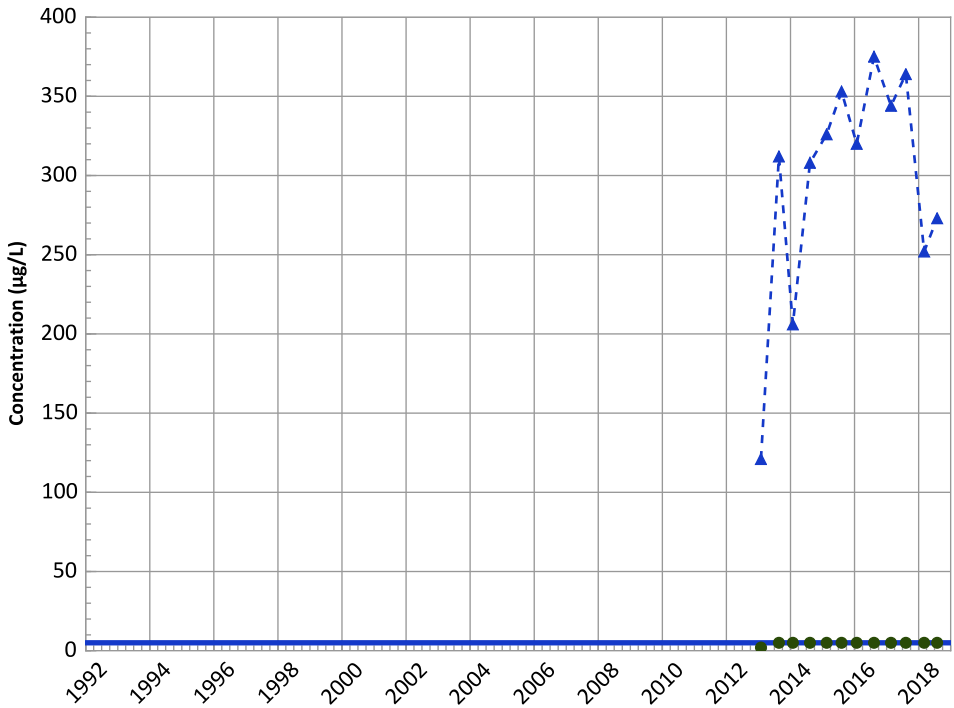


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

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

Trichloroethene Trend

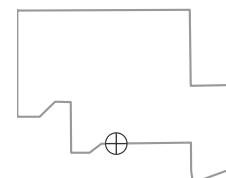


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Probably Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Probably Increasing

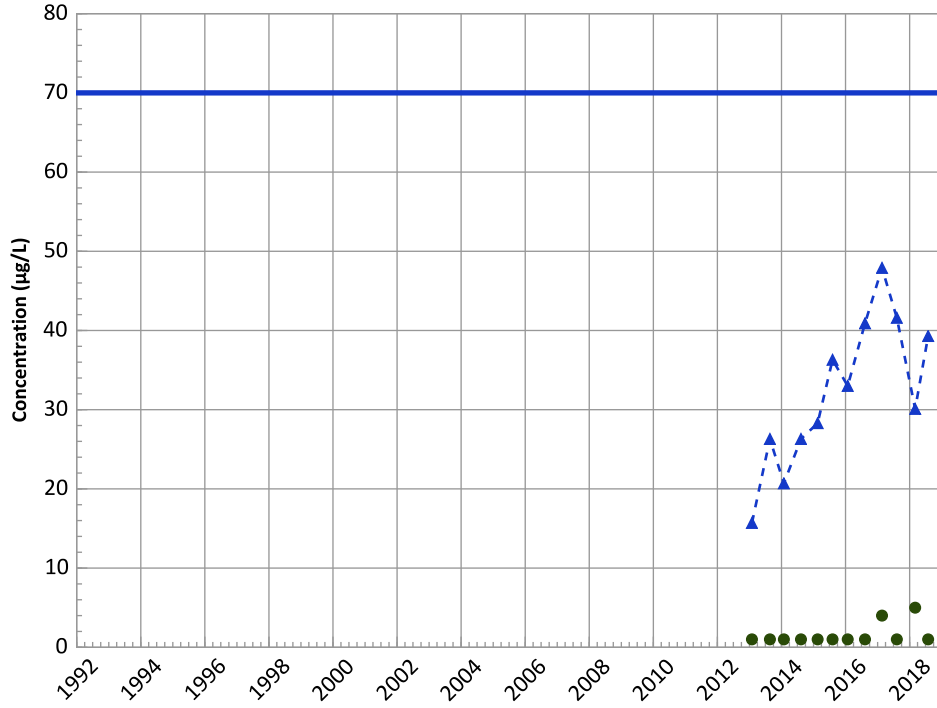
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

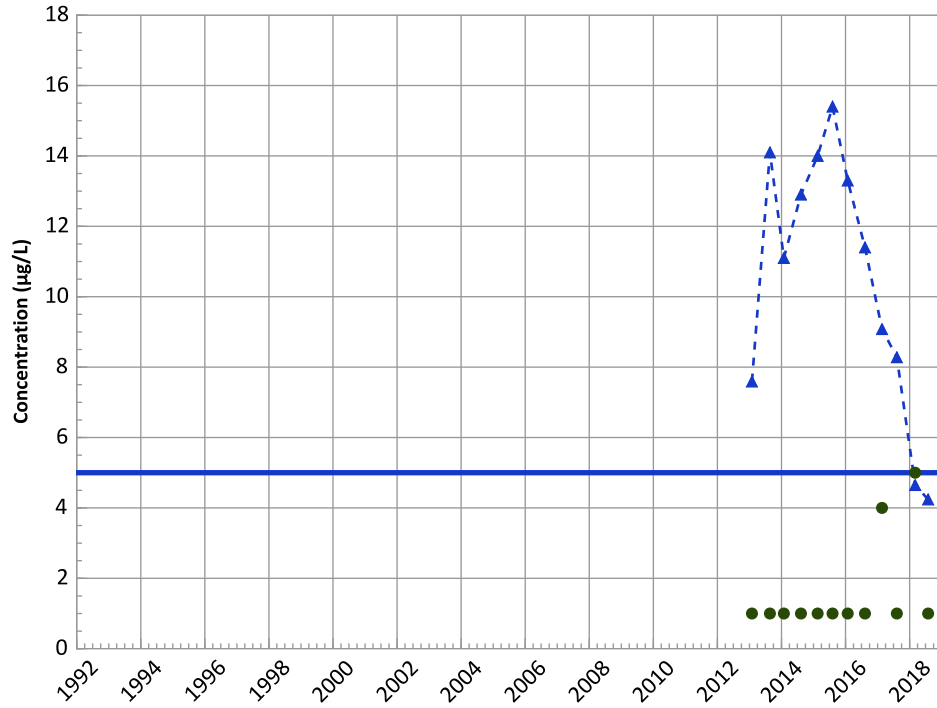


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

1,2-Dichloroethane Trend



Concentration Trend

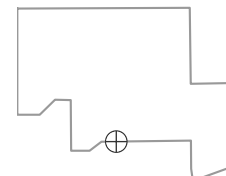
MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

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

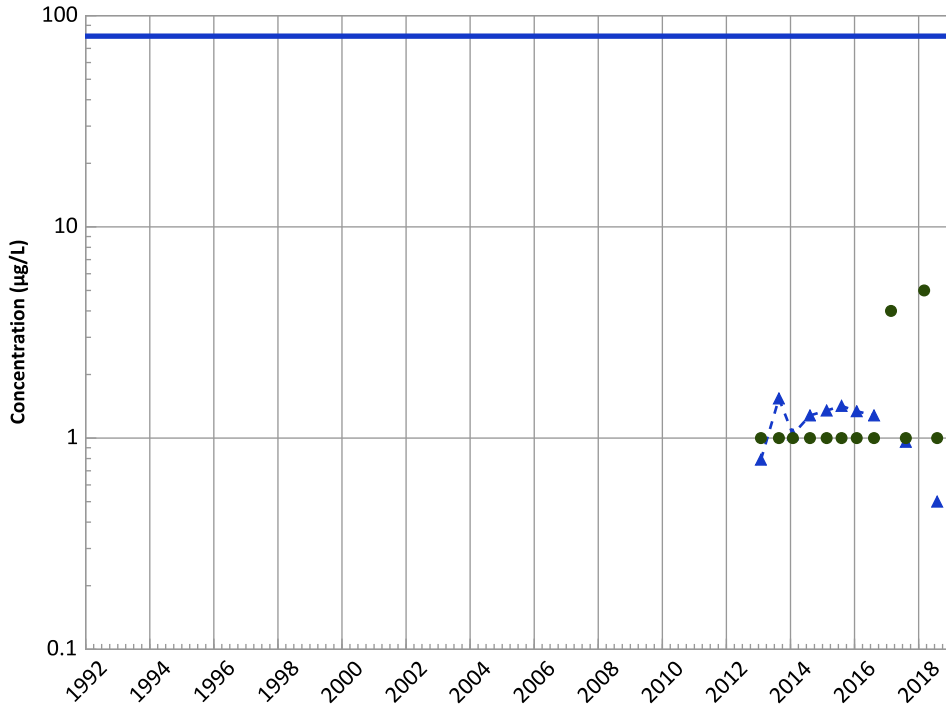
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend

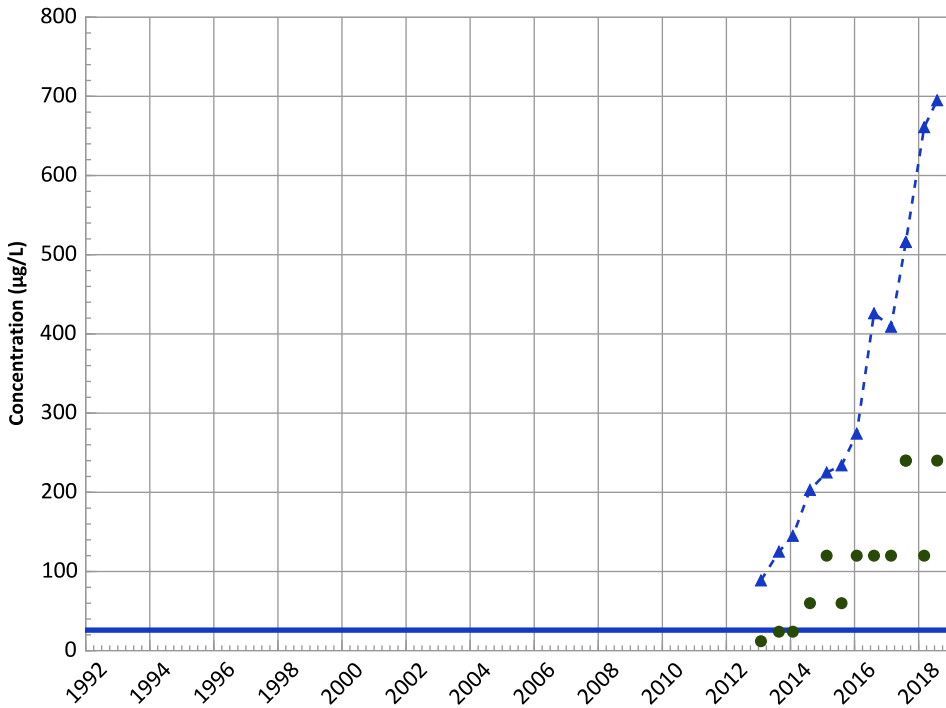


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 No Trend
 All Data:
 No Trend

MAROS Linear Regression Method
 Data (2017 - 2021):
 Probably Increasing
 All Data:
 Stable

Perchlorate Trend



Concentration Trend

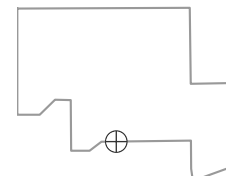
MAROS Mann-Kendall Method
 Data (2017 - 2021):
 Increasing
 All Data:
 Increasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 Increasing
 All Data:
 Increasing

Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 01/29/2013 to 07/31/2018
 Analysis Date: 02/14/2019

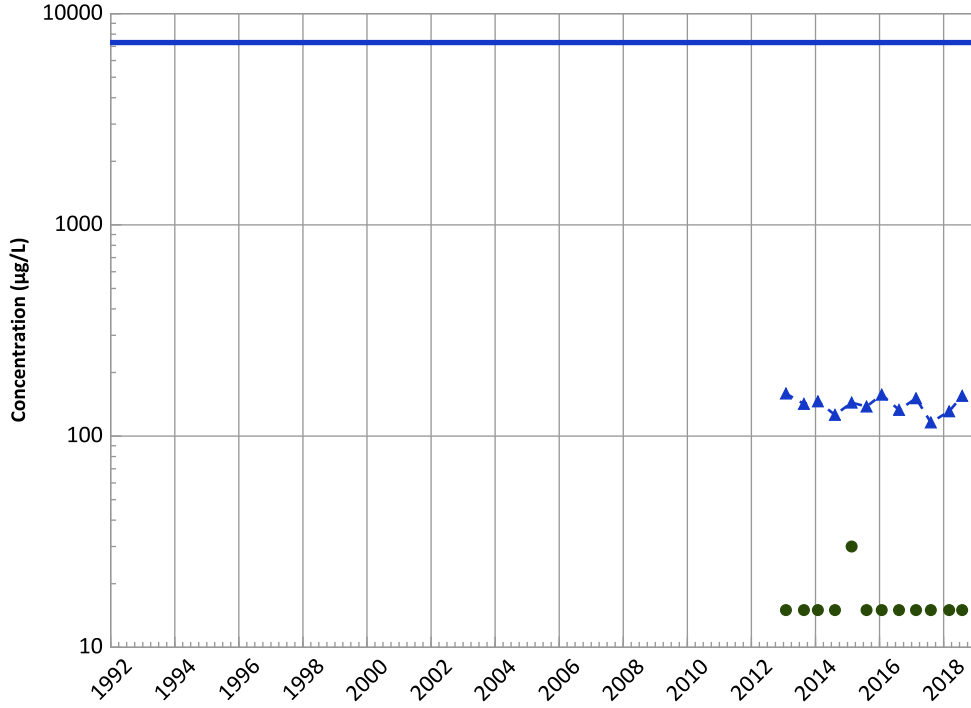
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1159 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

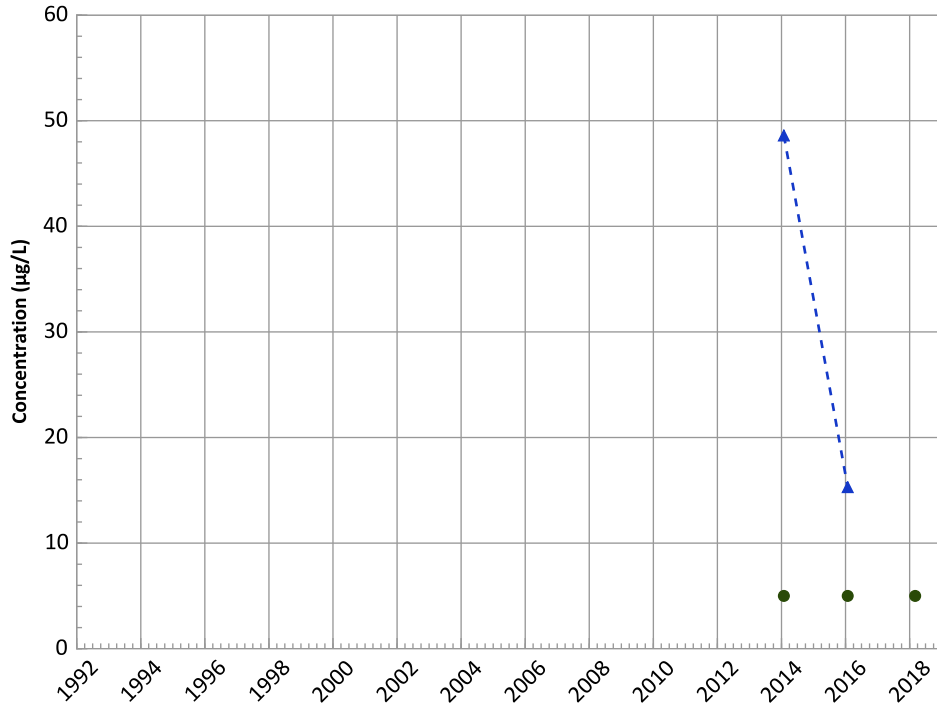
Data (2017 - 2021):

Stable

All Data:

Stable

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

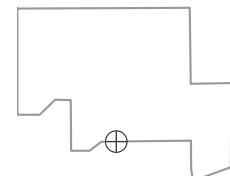
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

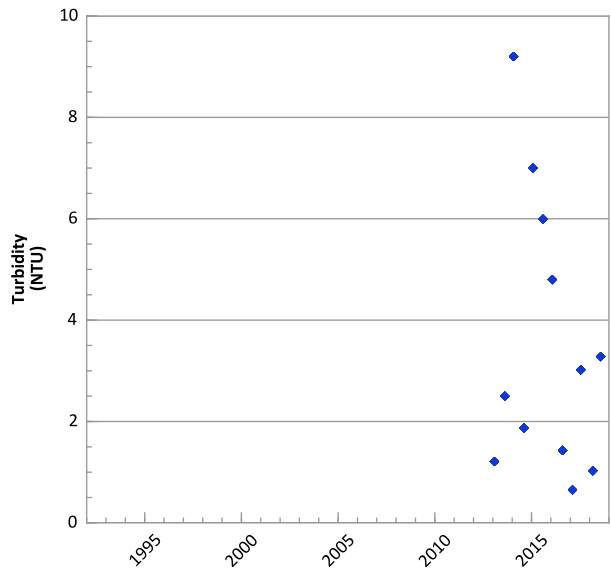
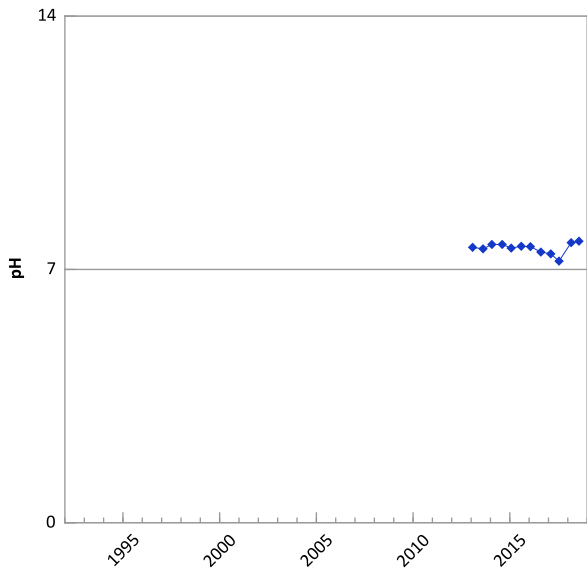
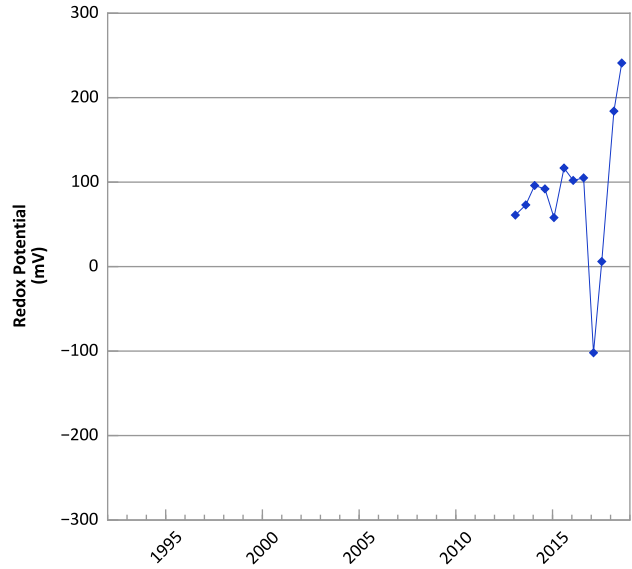
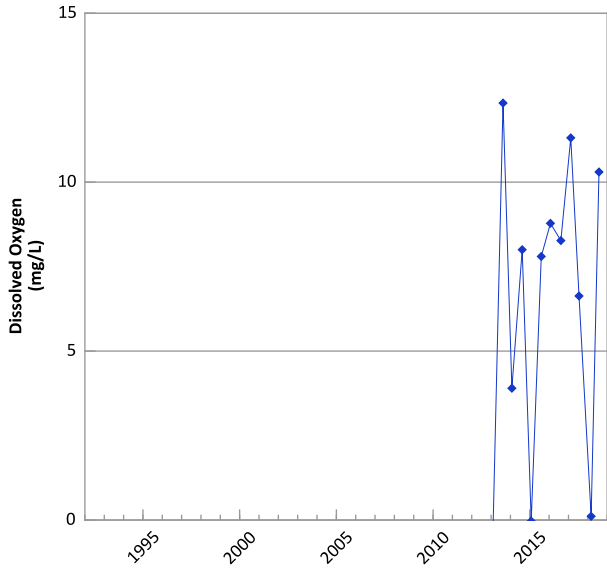
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

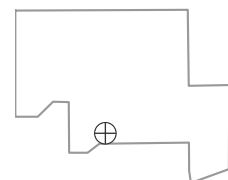
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



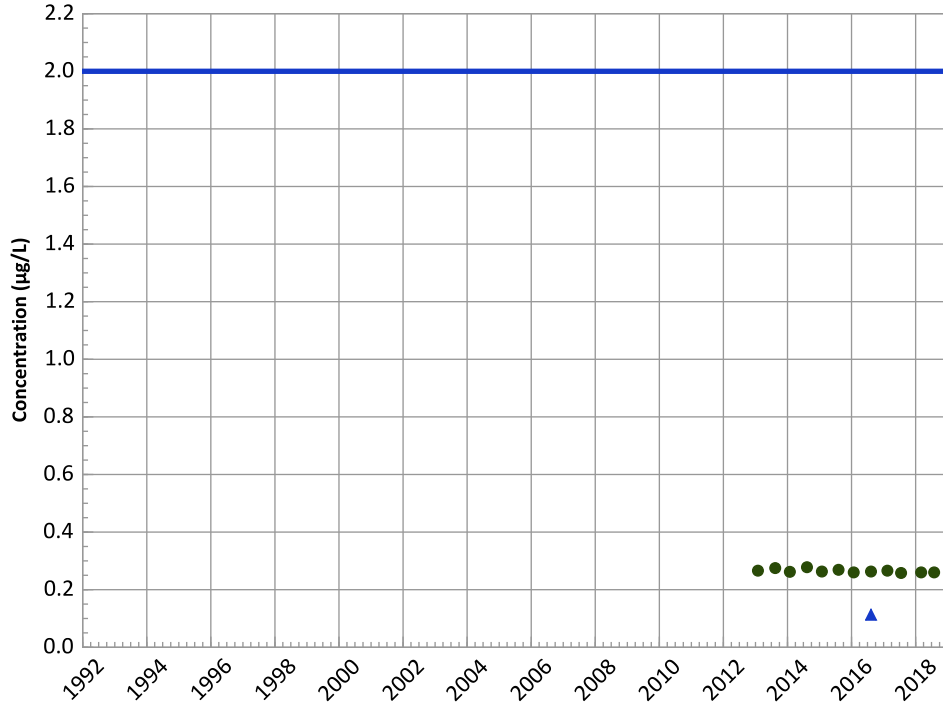
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 01/29/2013 to 07/31/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

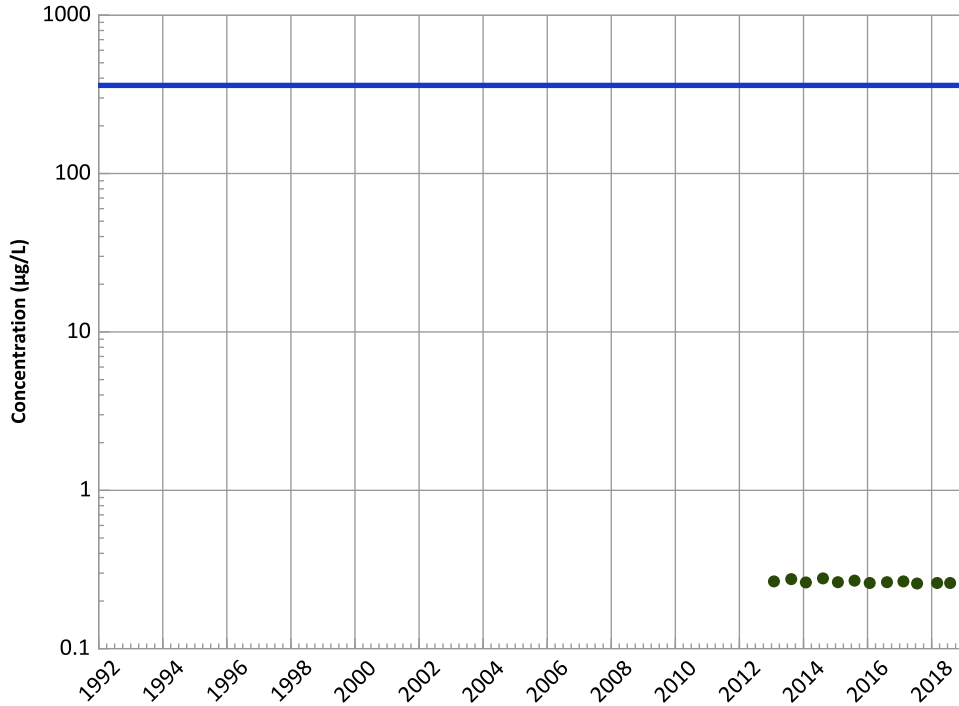


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

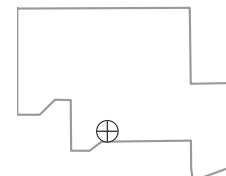


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

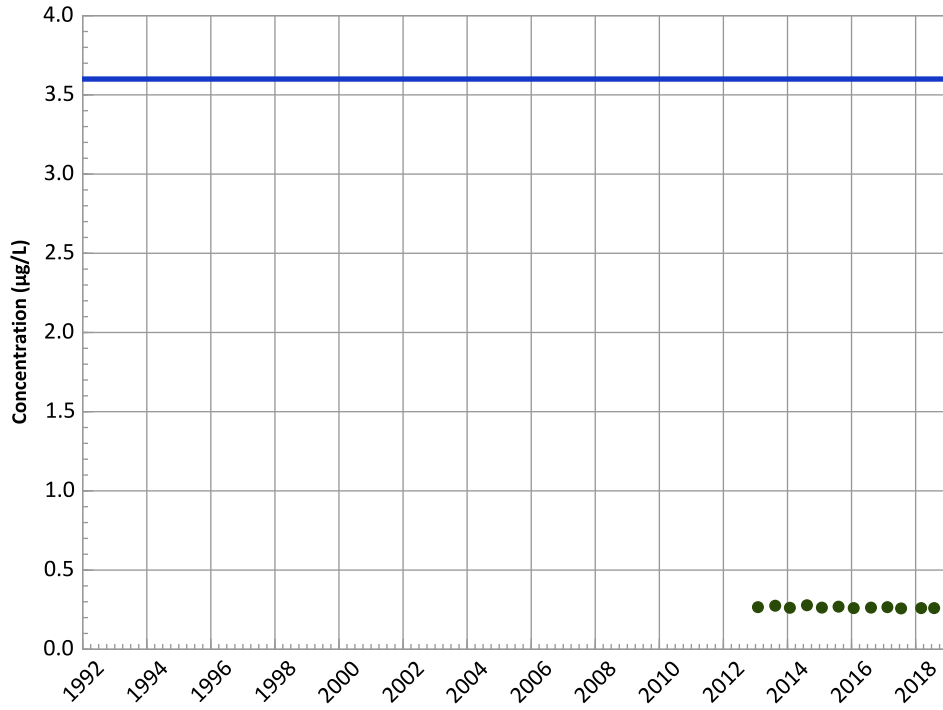


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

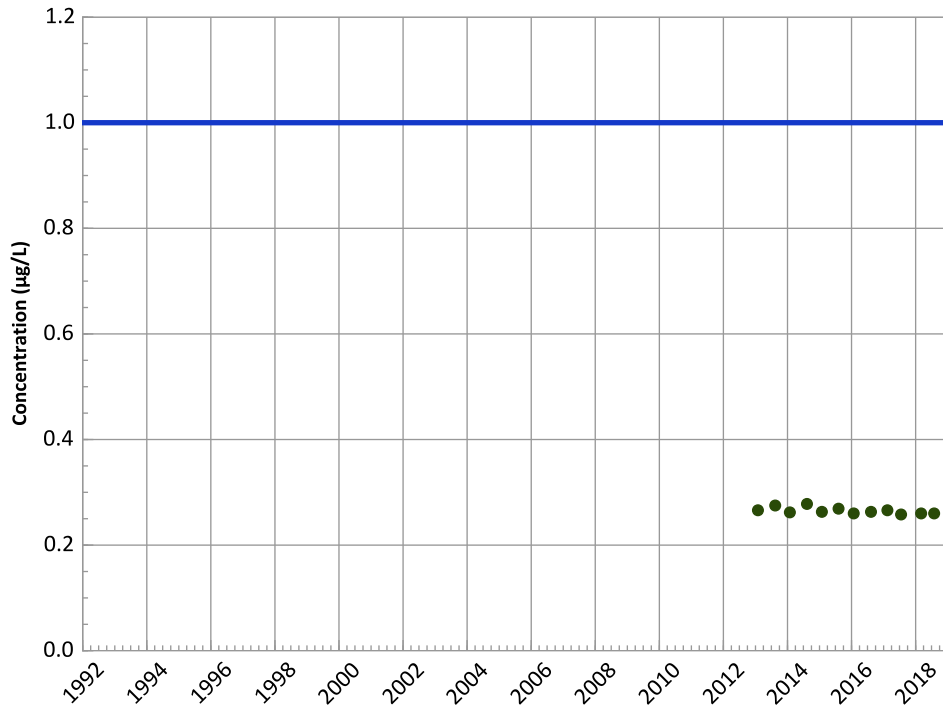
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

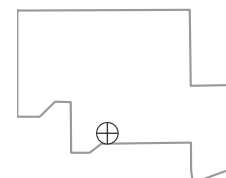
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

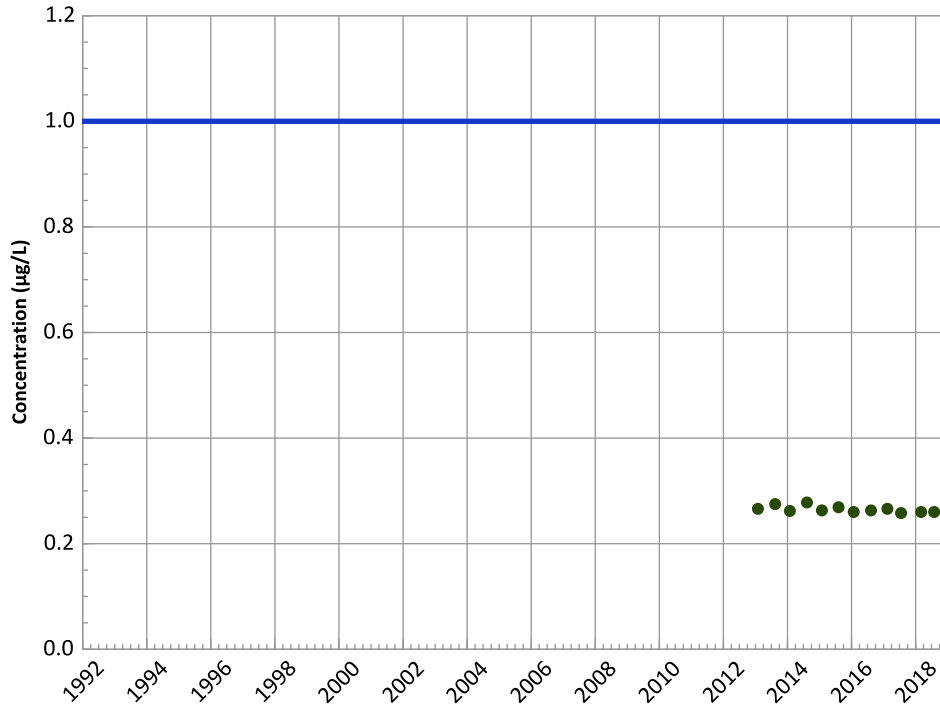


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

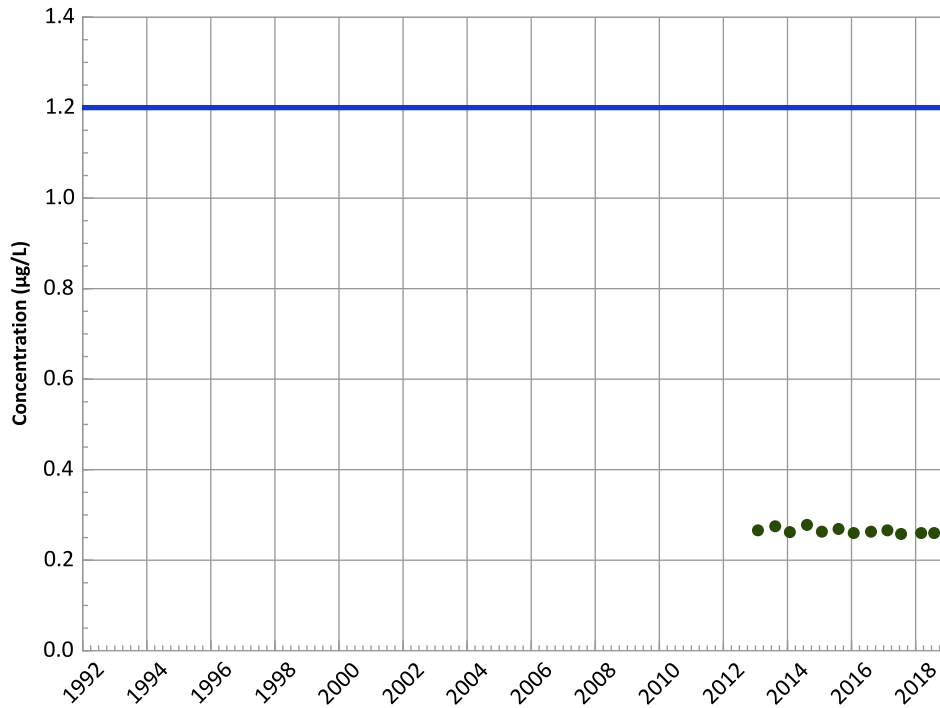
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

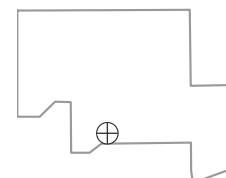
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

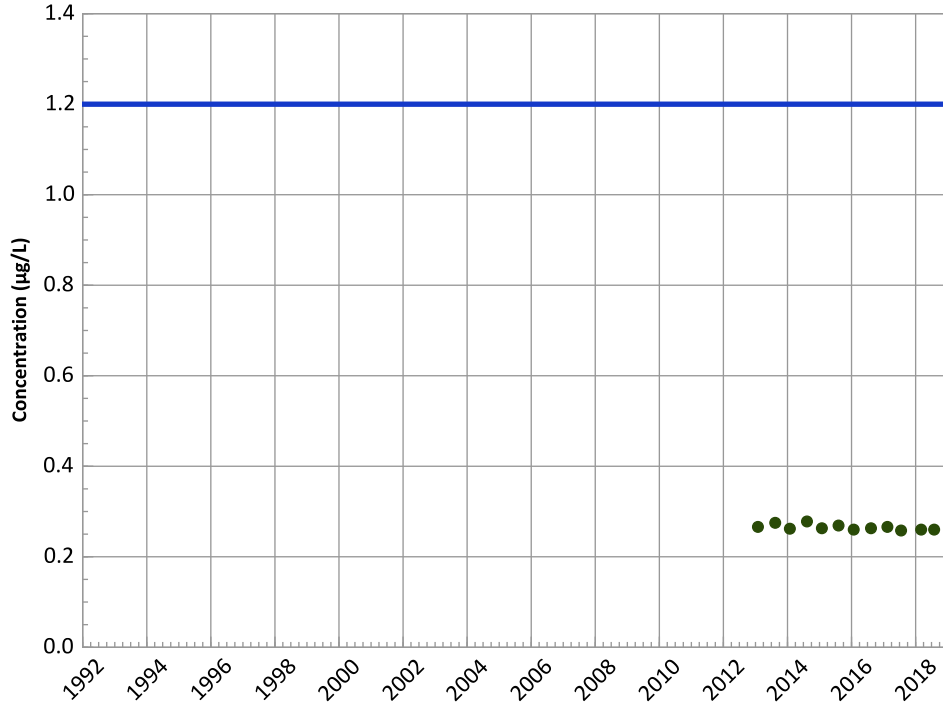


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

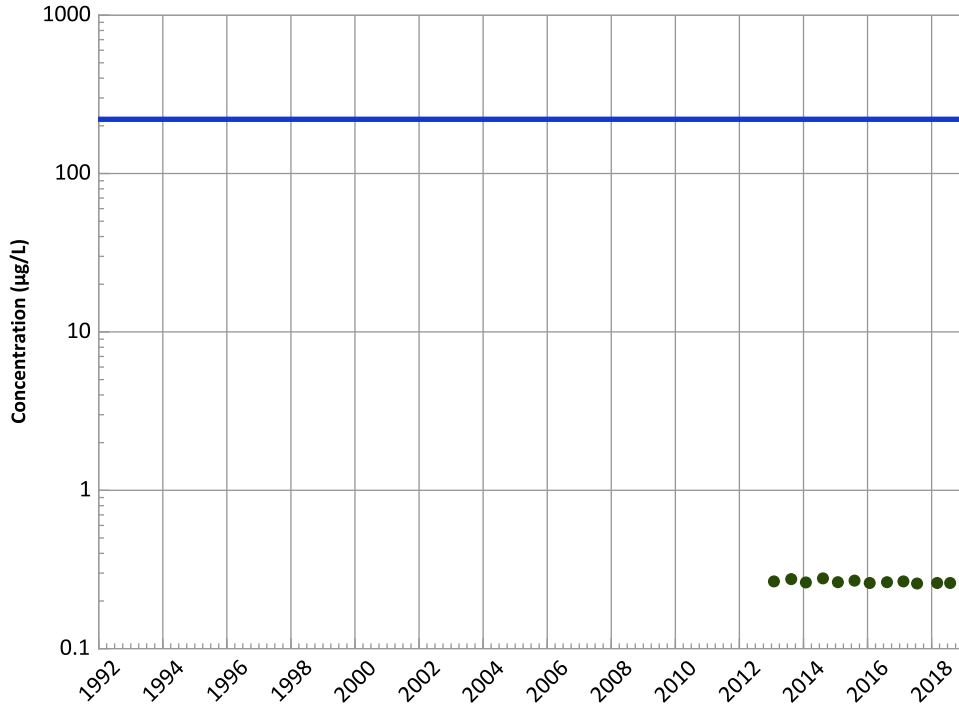
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

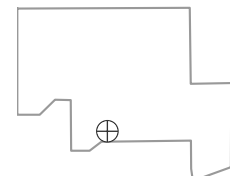
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

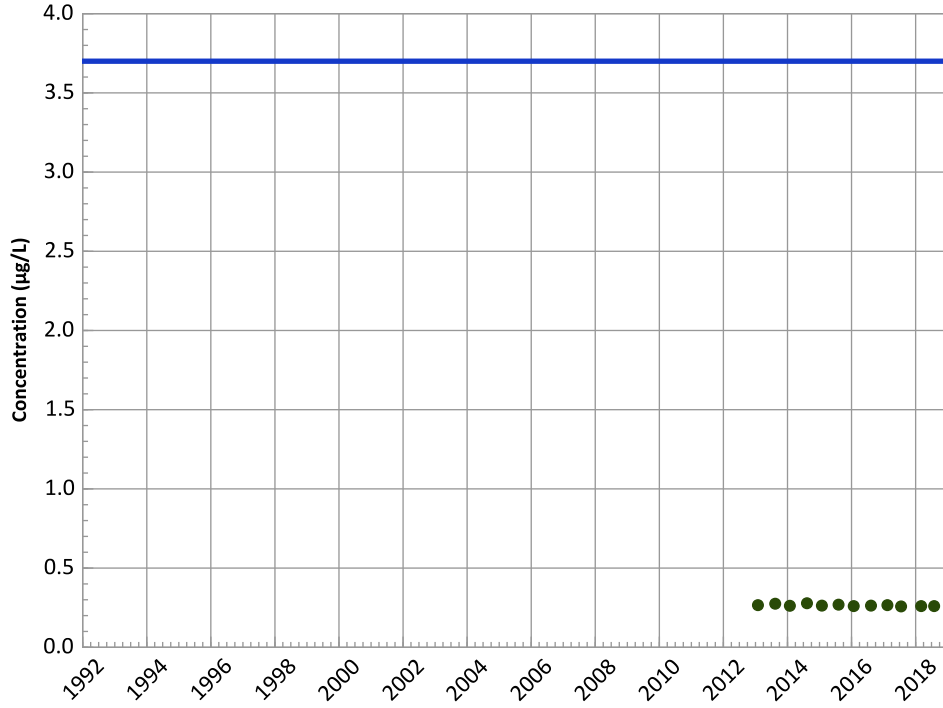
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

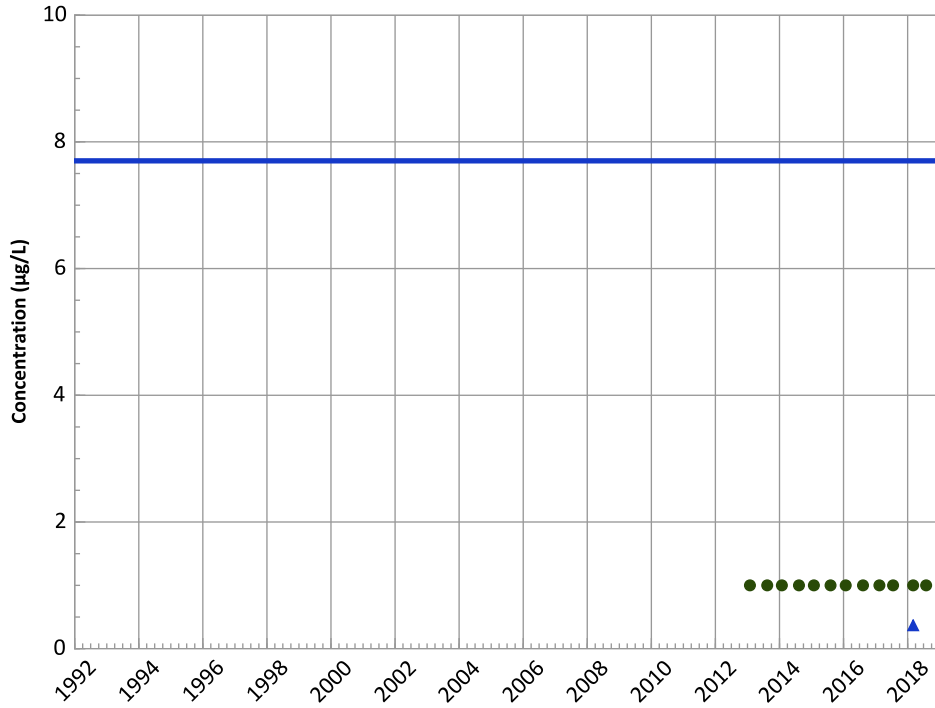
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

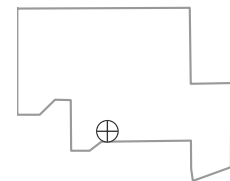
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

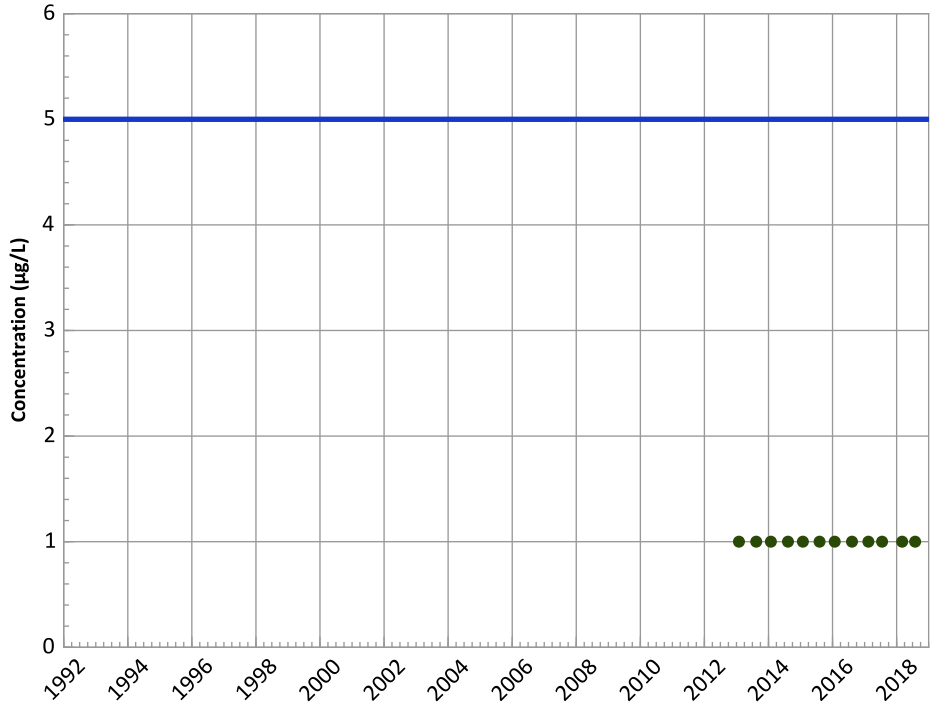
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

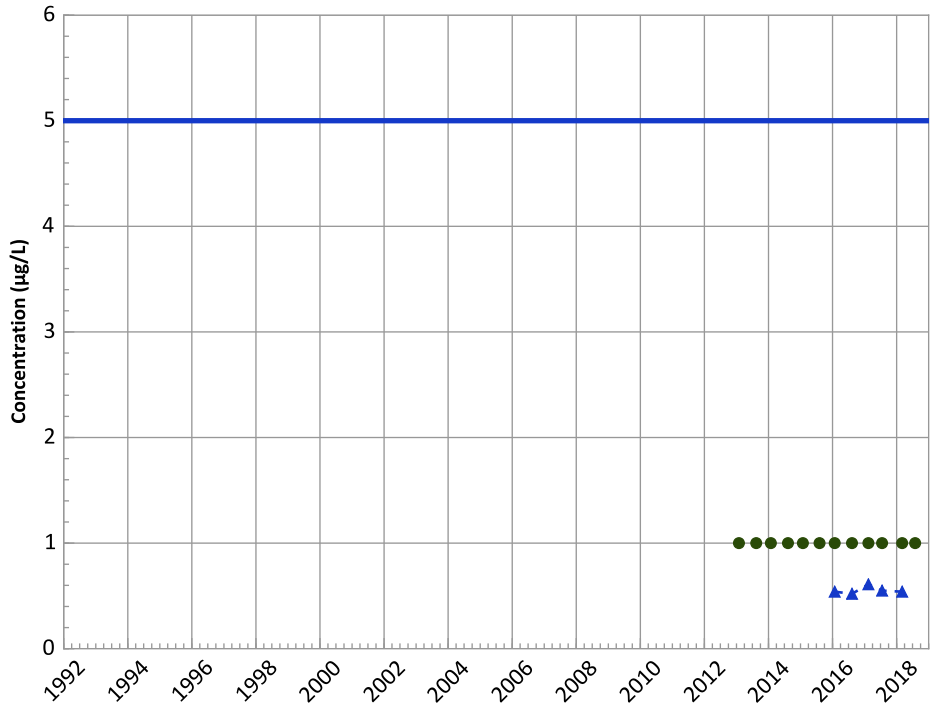
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

MAROS Linear Regression Method

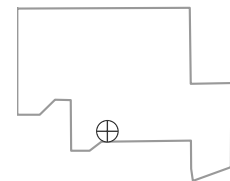
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

No Trend

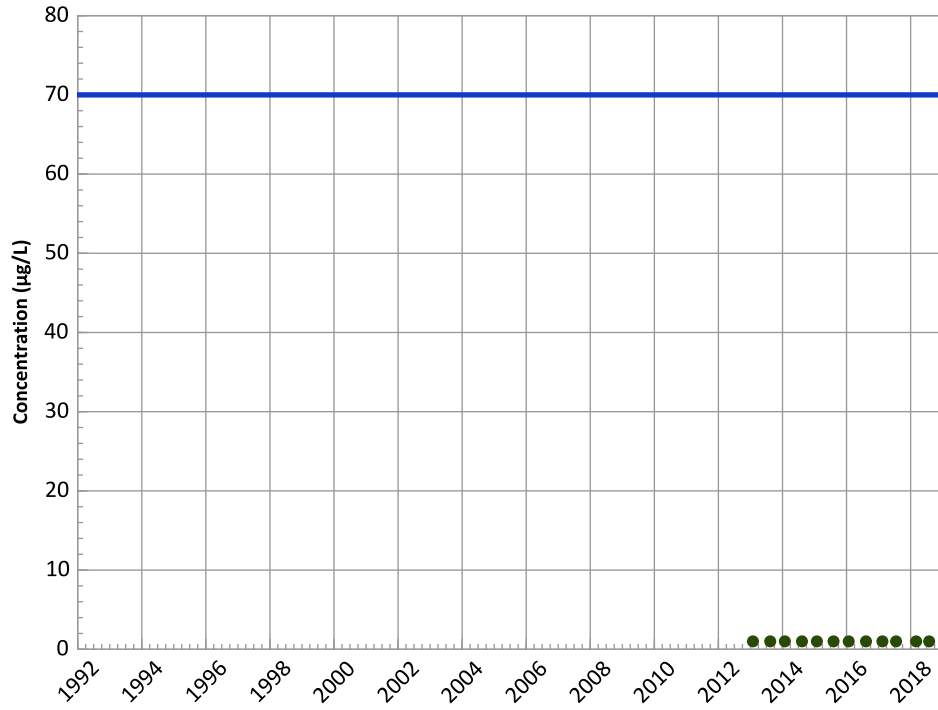
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

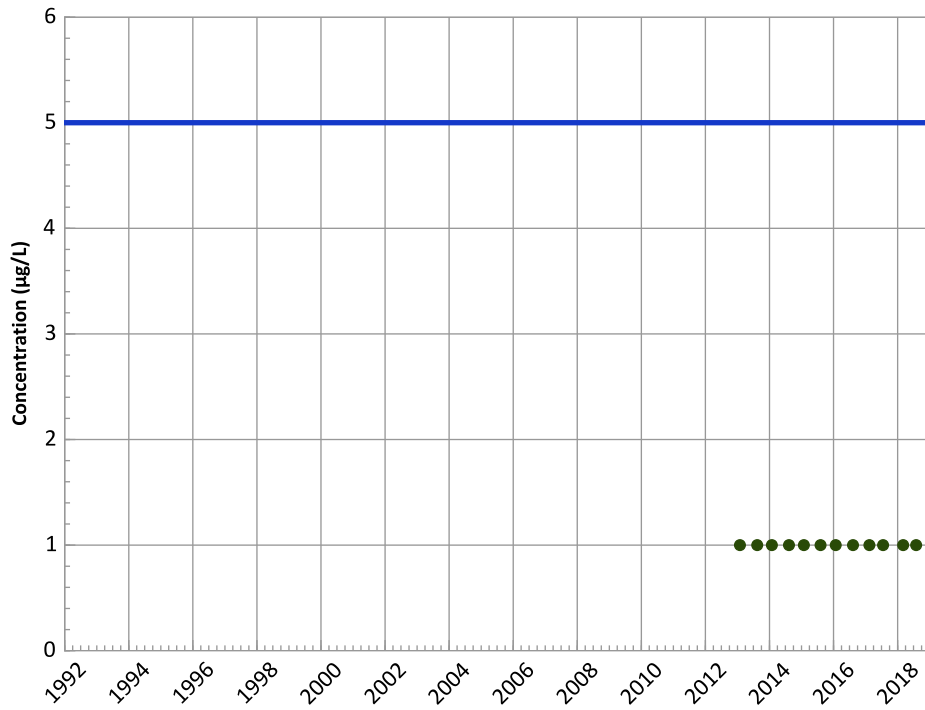
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

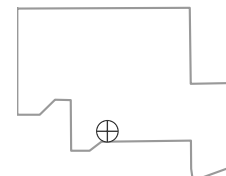
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

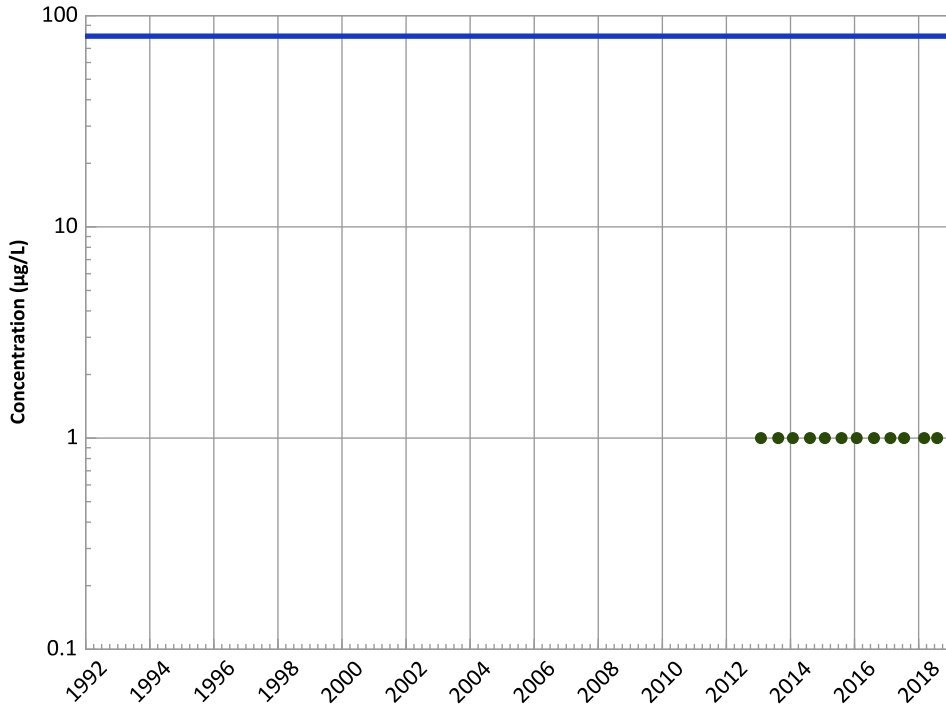
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

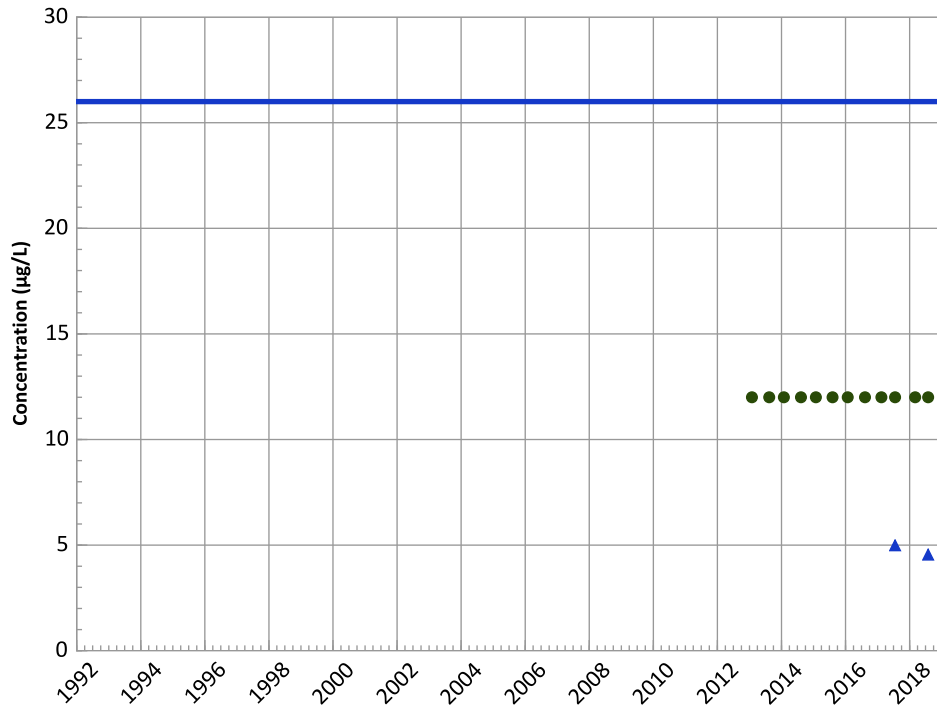


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

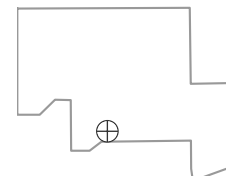


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Well Location

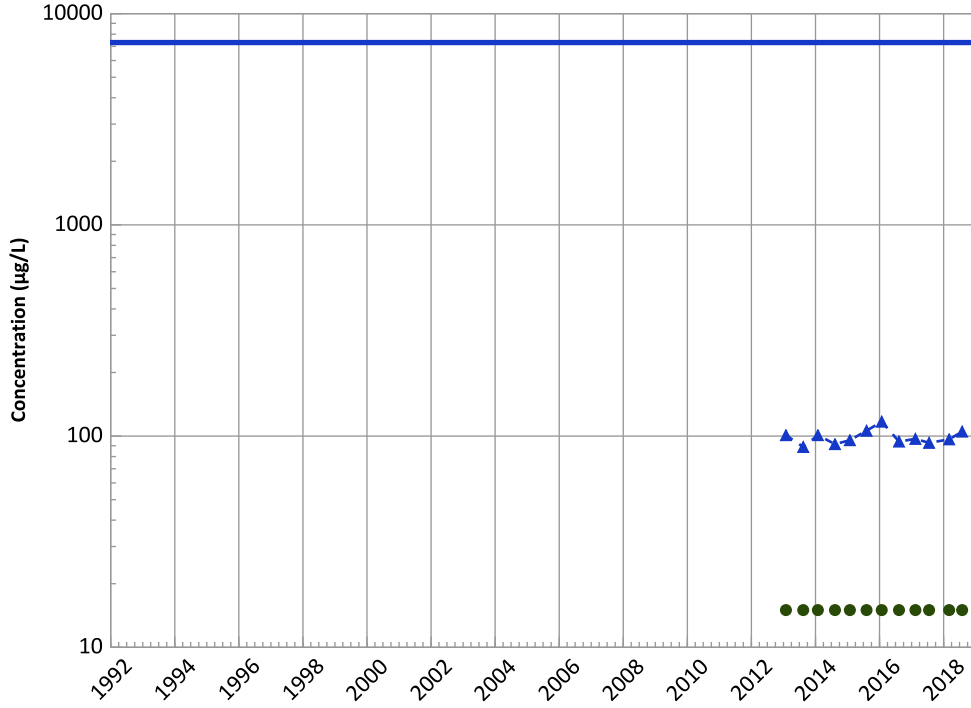


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1160 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

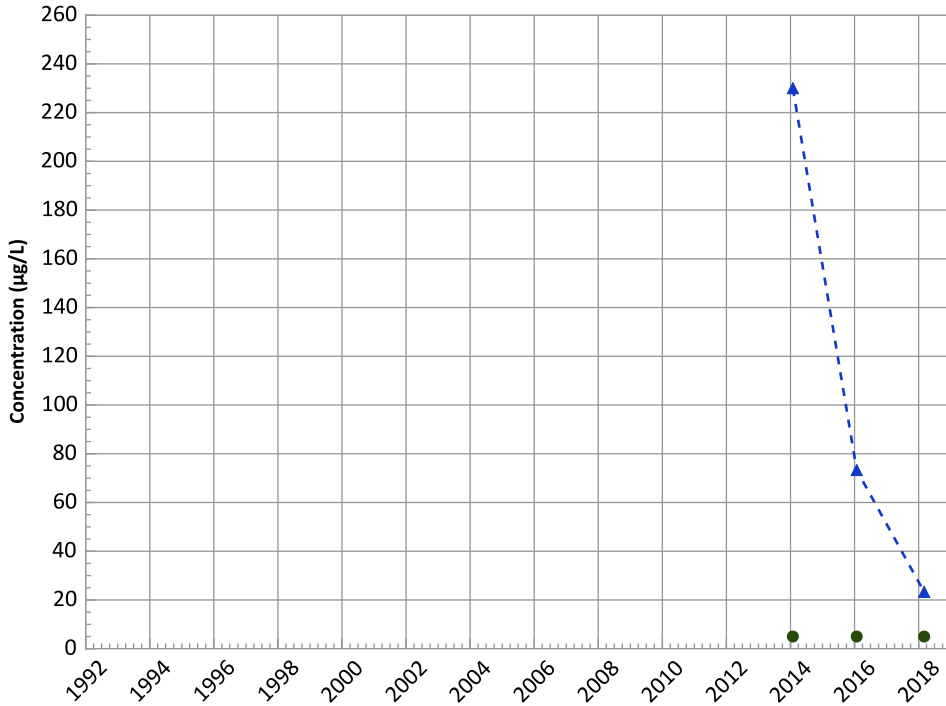
Data (2017 - 2021):

No Trend

All Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

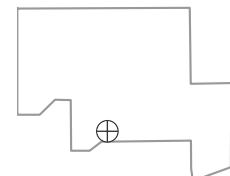
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

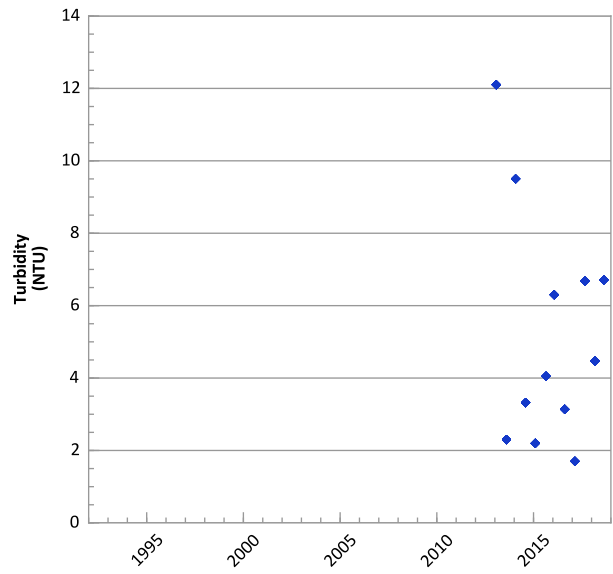
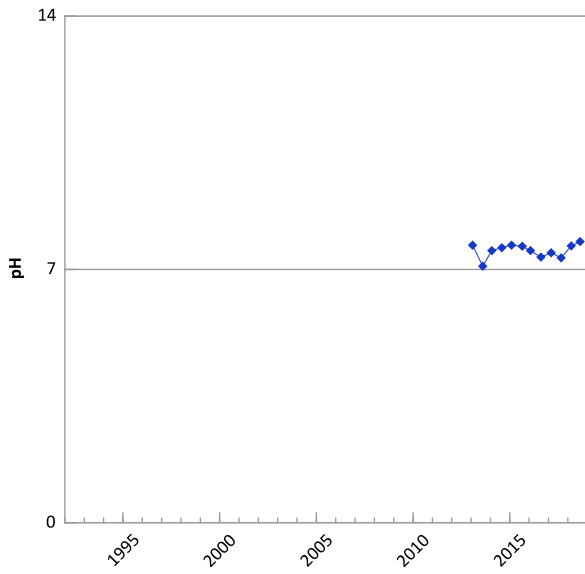
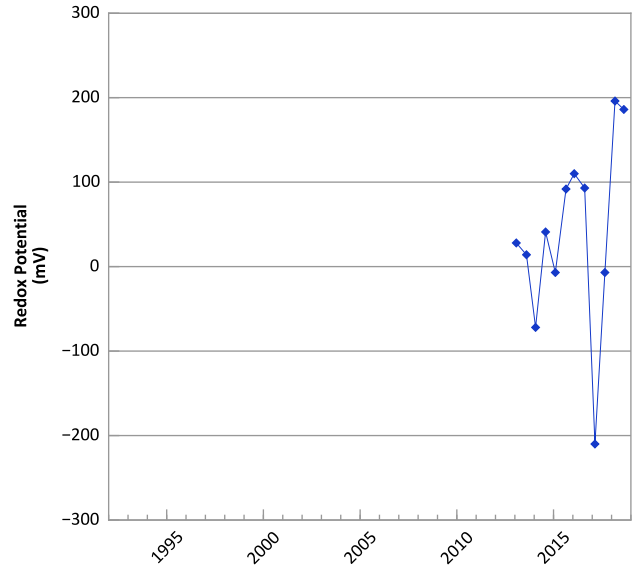
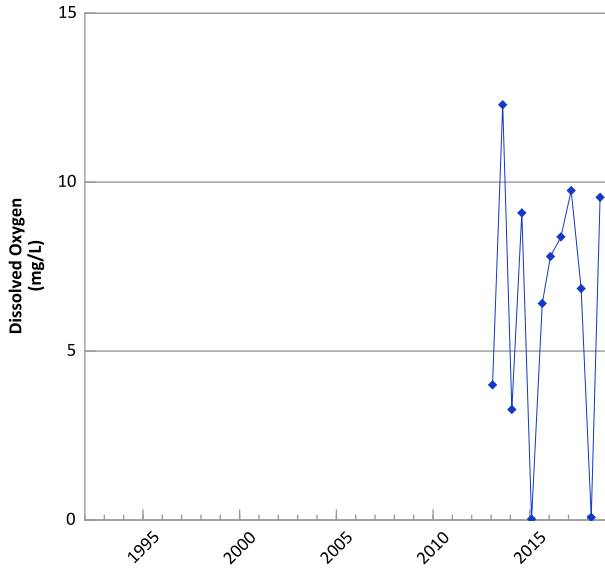
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/29/2013 to 07/31/2018
Analysis Date: 02/14/2019

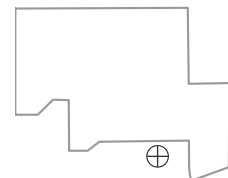
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



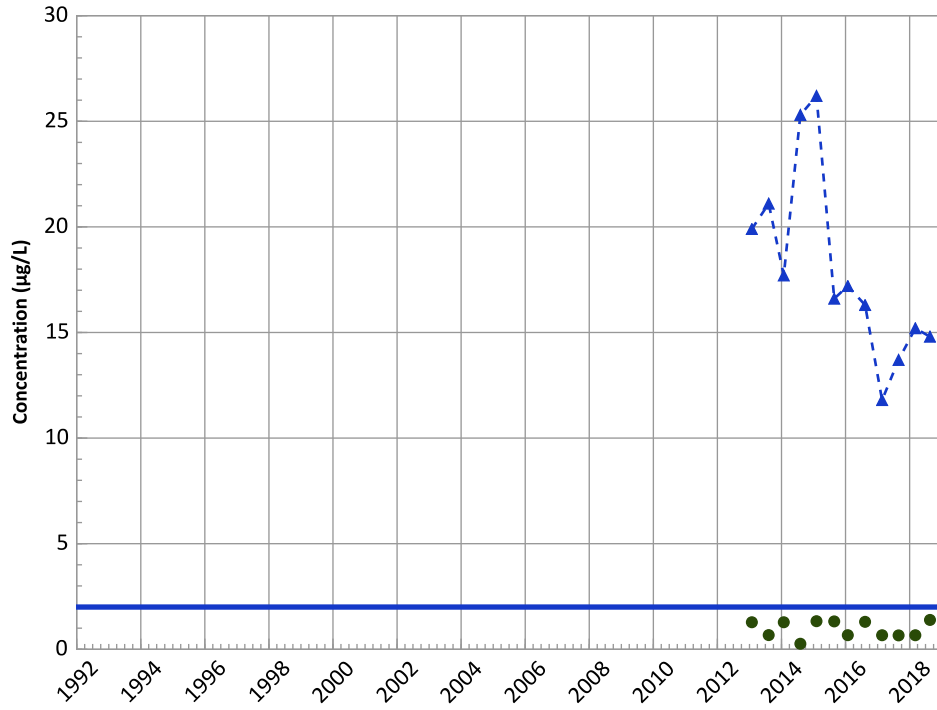
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 01/28/2013 to 08/21/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

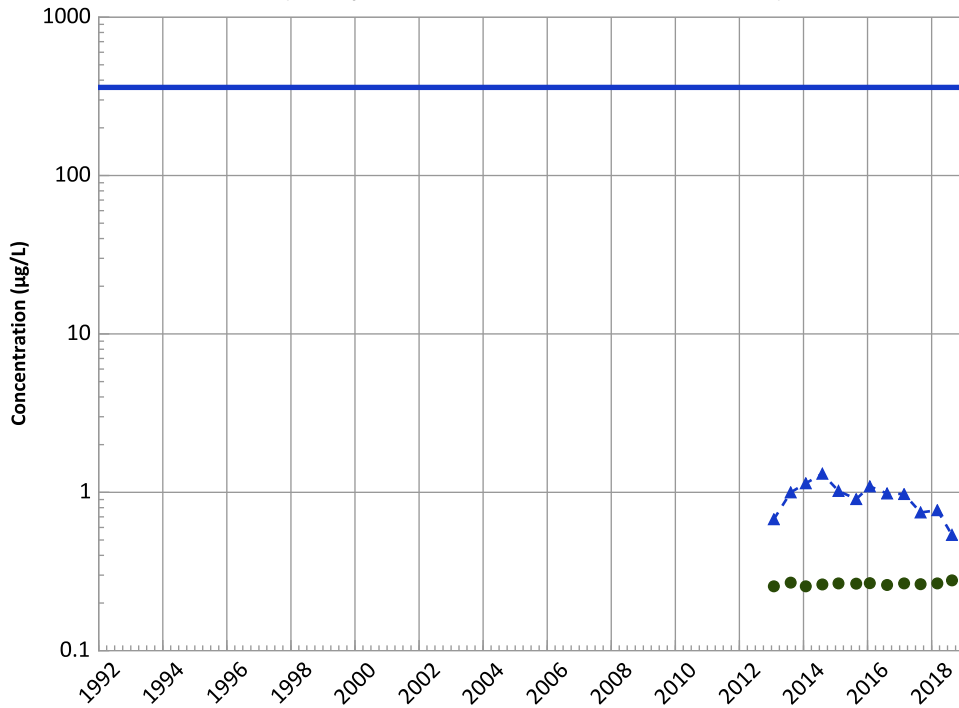
Data (2017 - 2021):

Stable

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

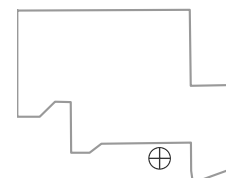
Data (2017 - 2021):

No Trend

All Data:

Probably Decreasing

Well Location

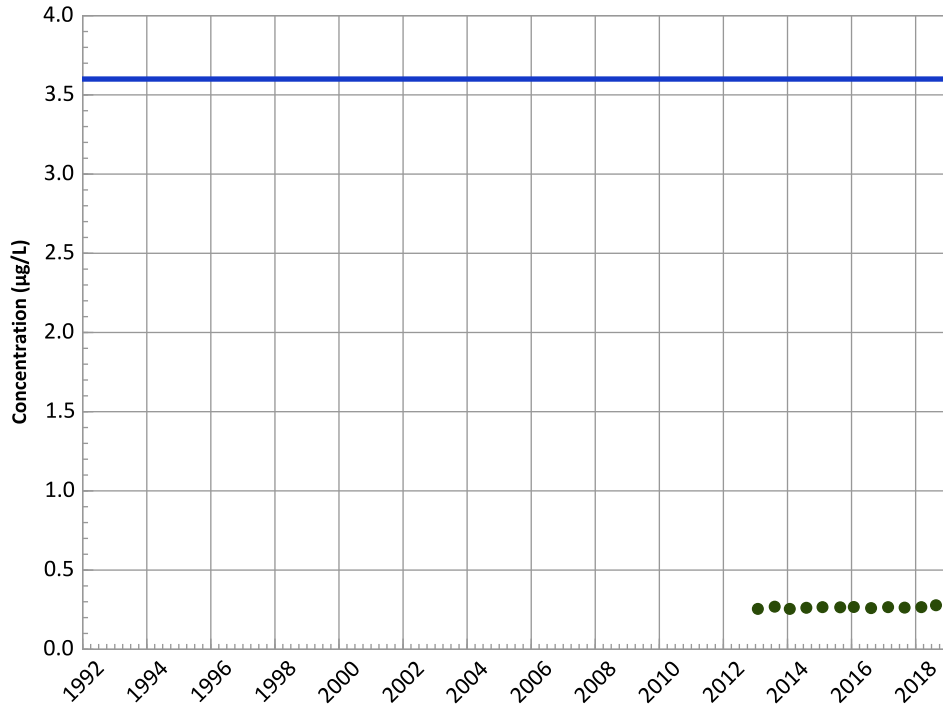


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

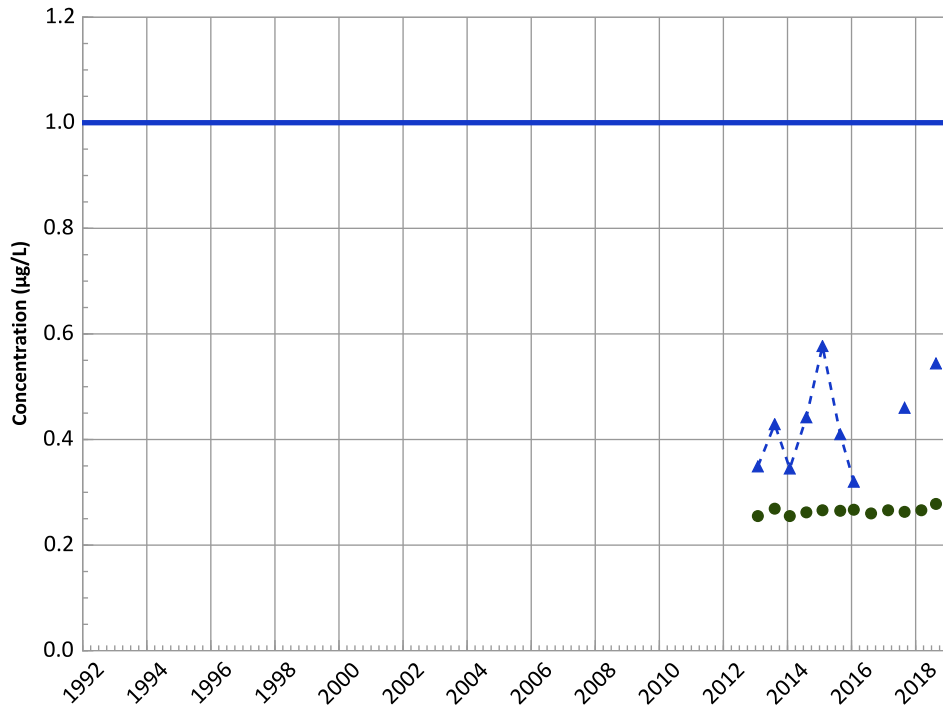
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

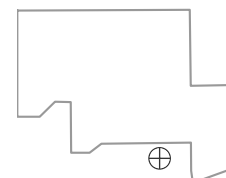
Data (2017 - 2021):

No Trend

All Data:

No Trend

Well Location

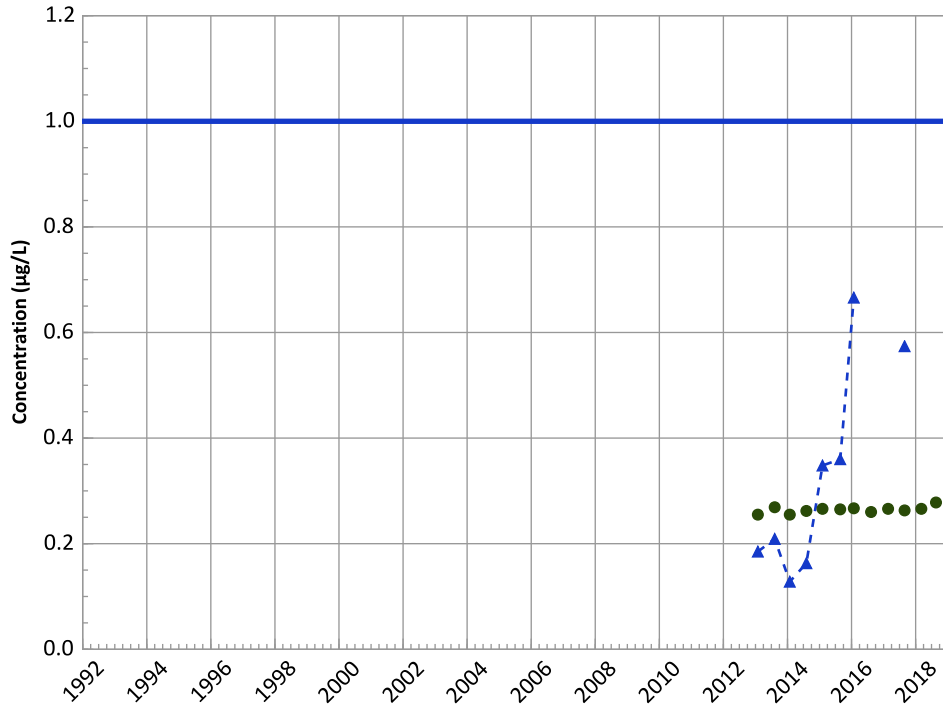


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

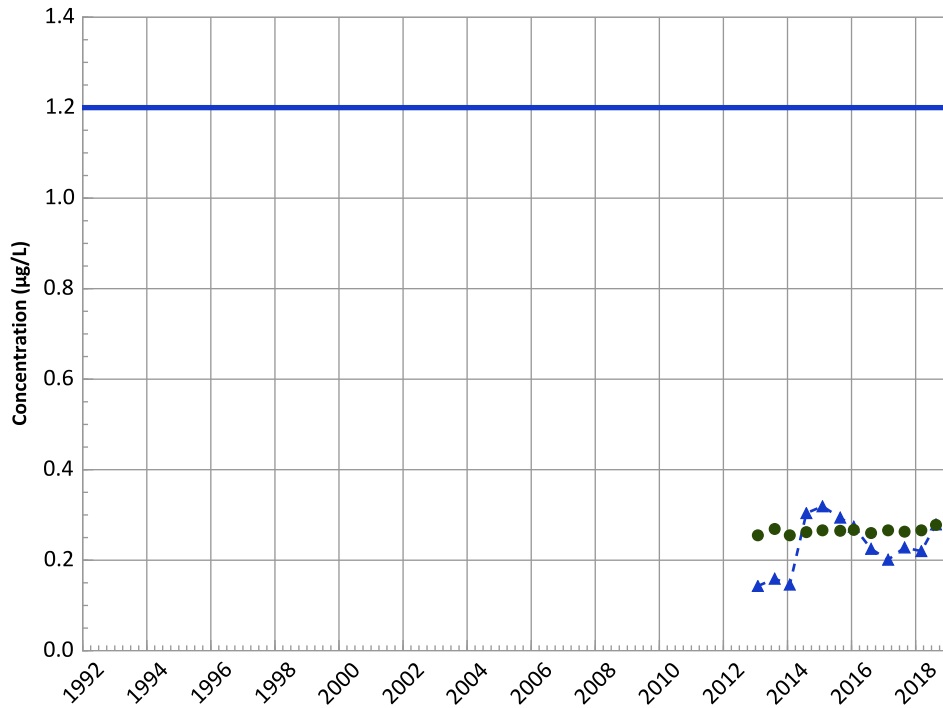


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

2-Amino-4,6-Dinitrotoluene Trend

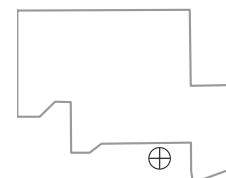


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Probably Increasing

Well Location

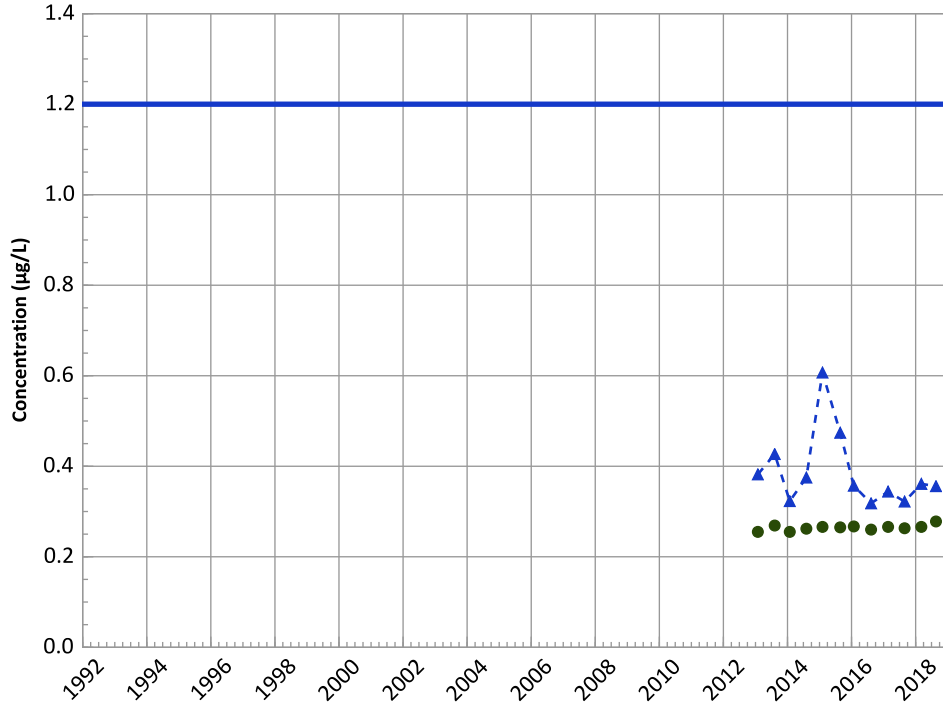


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

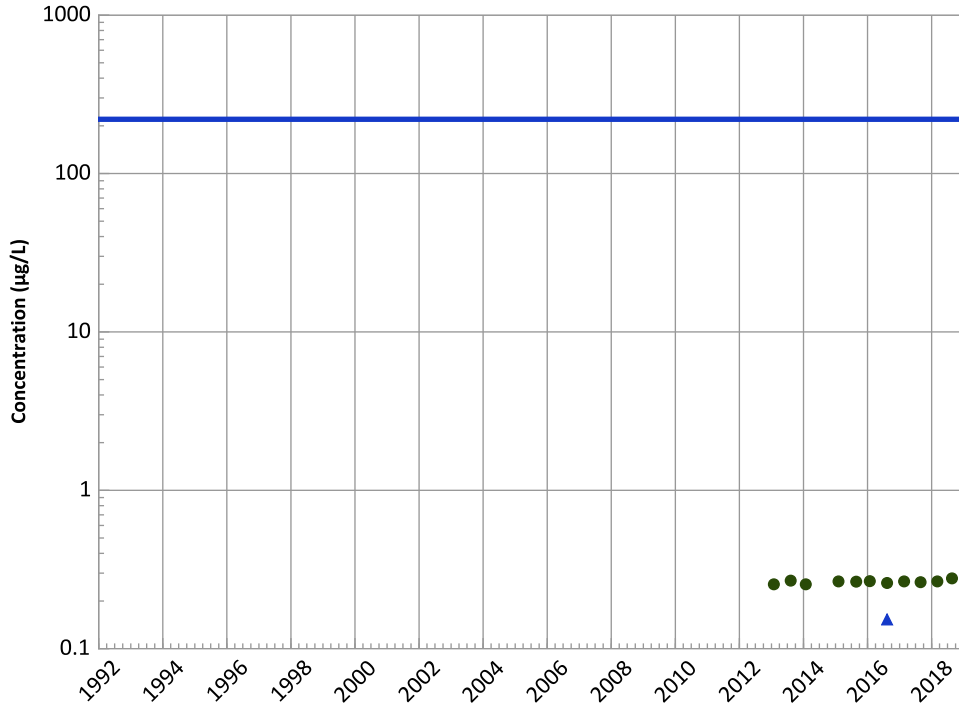
Data (2017 - 2021):

Stable

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

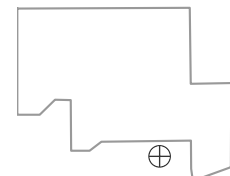
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

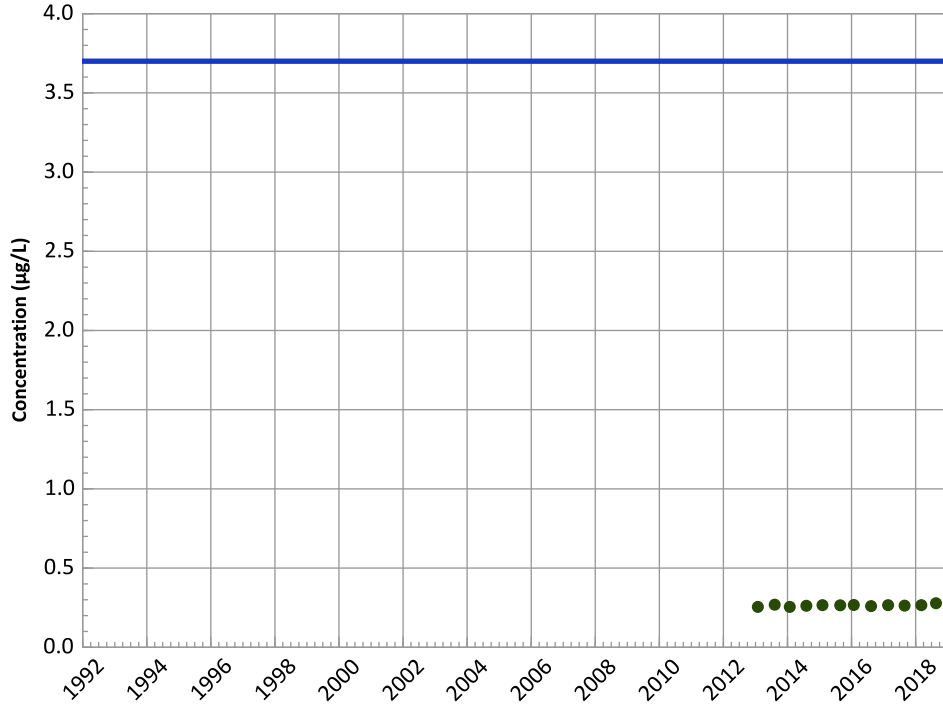


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

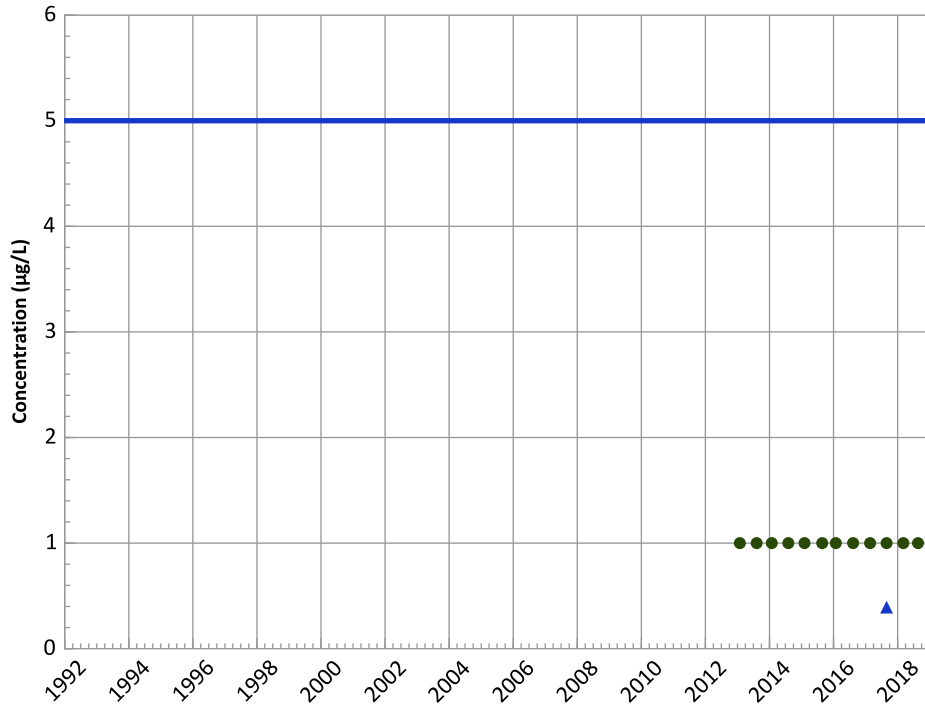
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

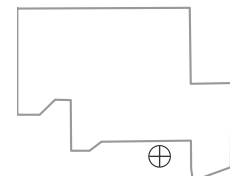
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

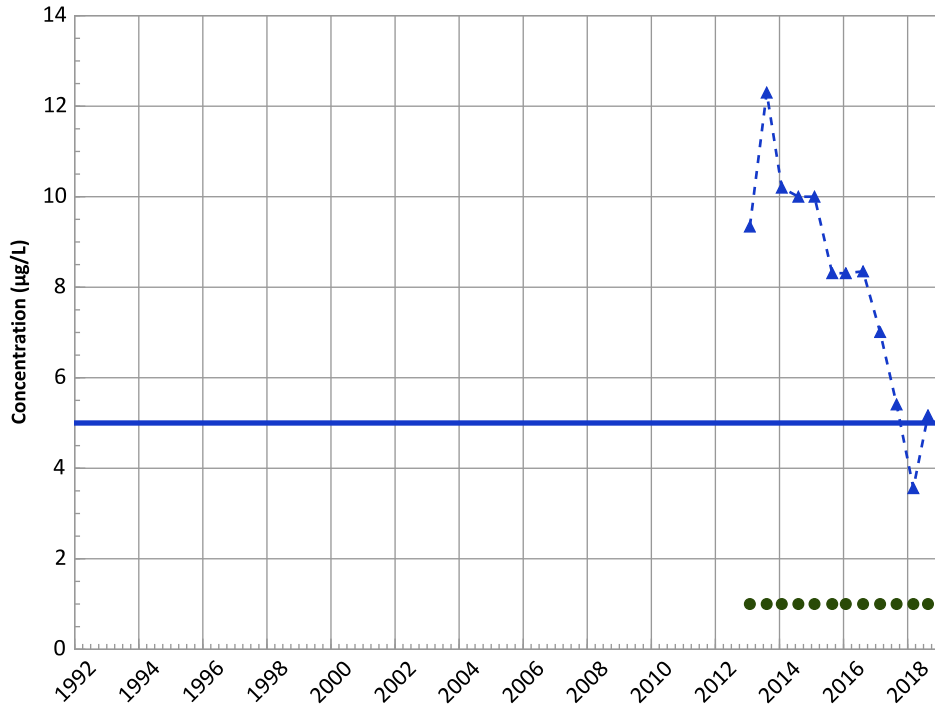


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

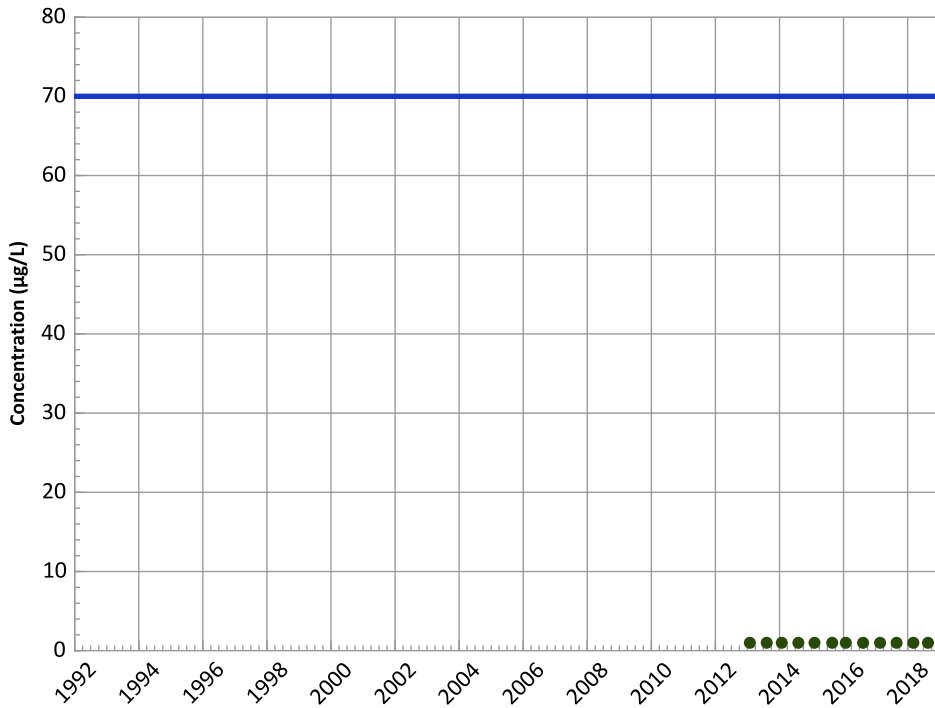
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

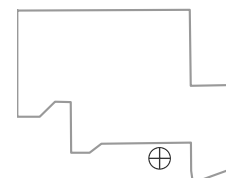
All Data:

All Non-Detect

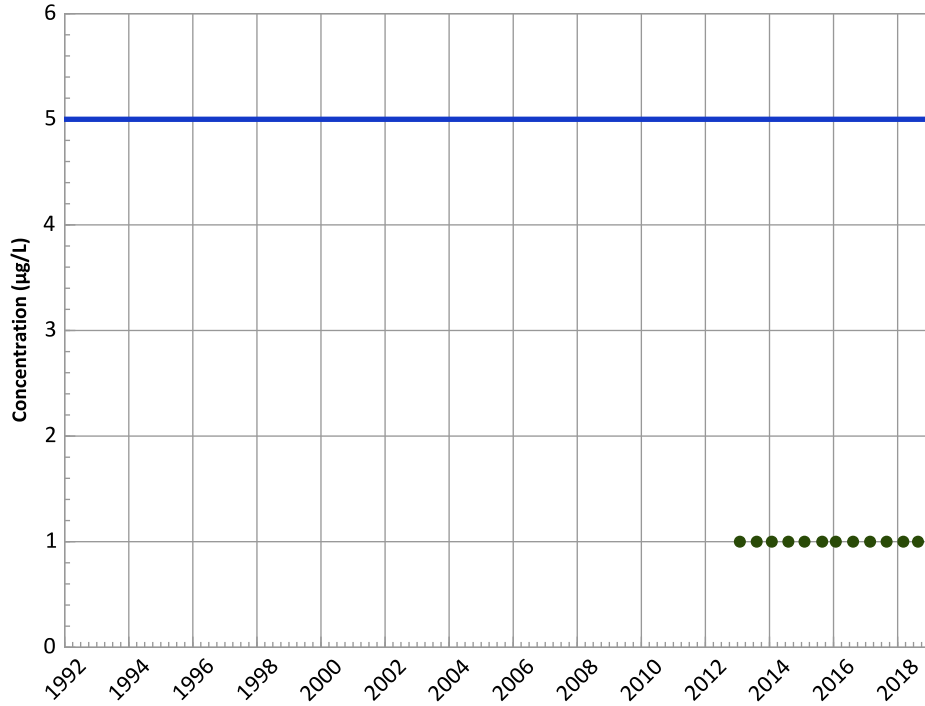
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

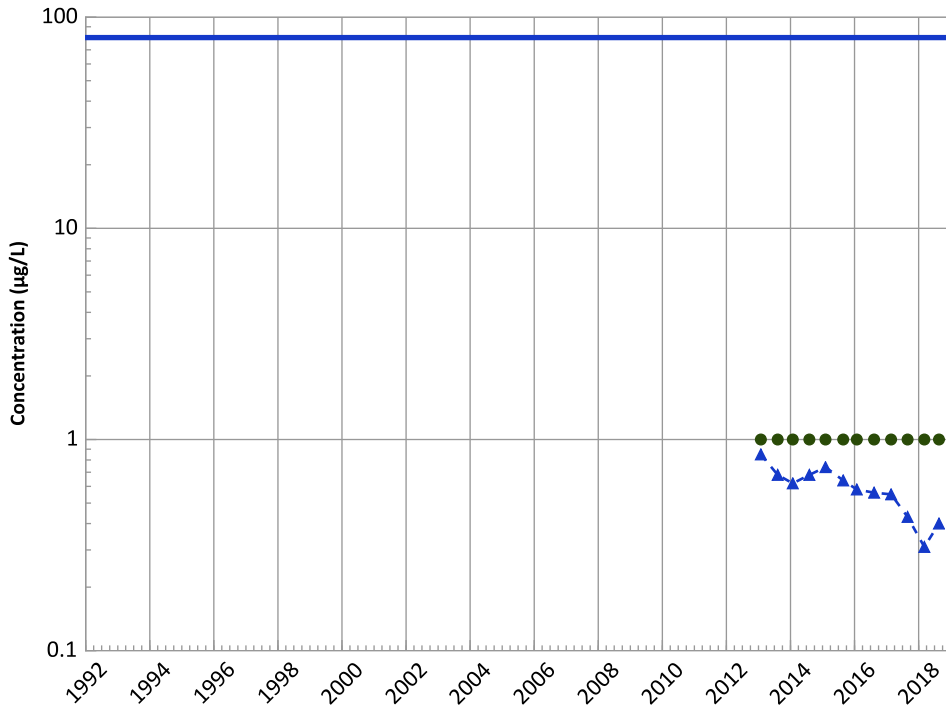
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

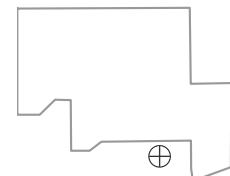
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

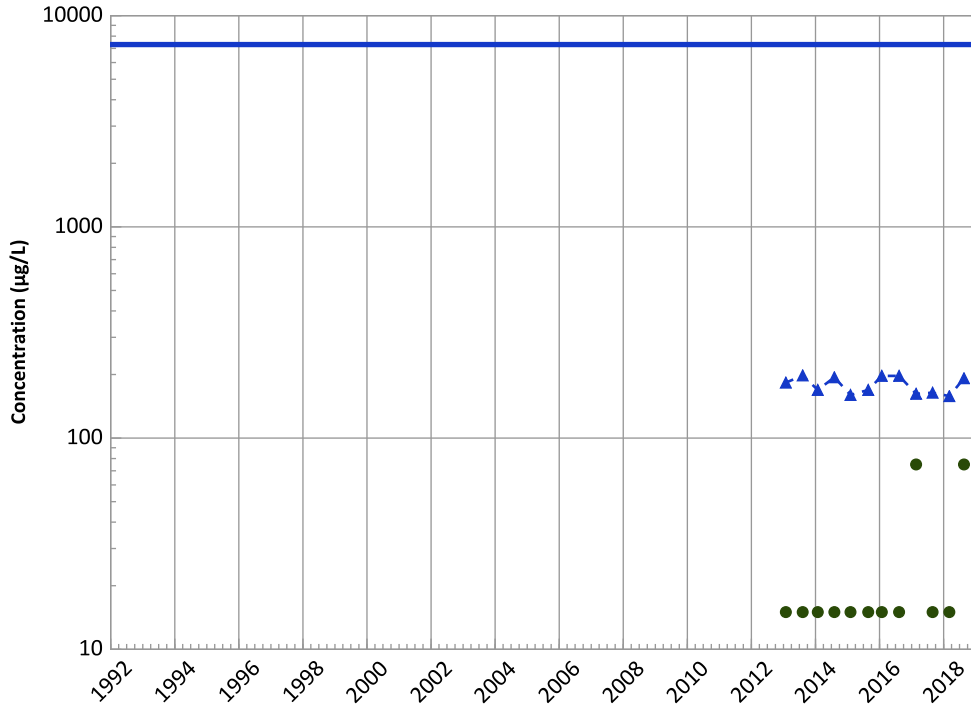


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

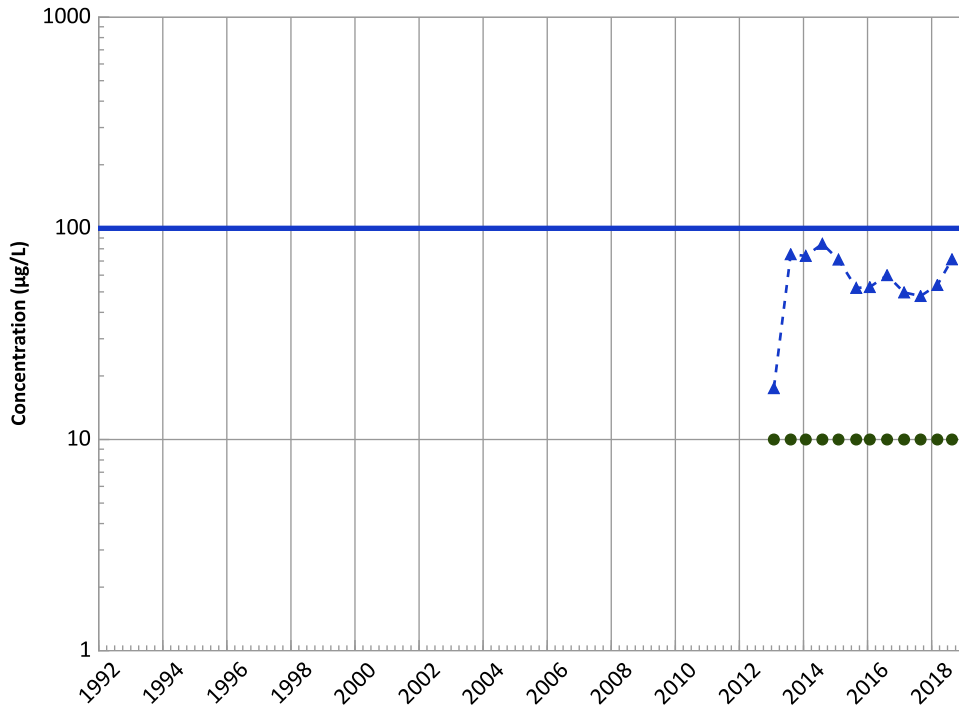


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

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

Chromium, Total Trend



Concentration Trend

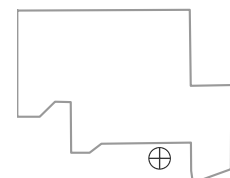
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

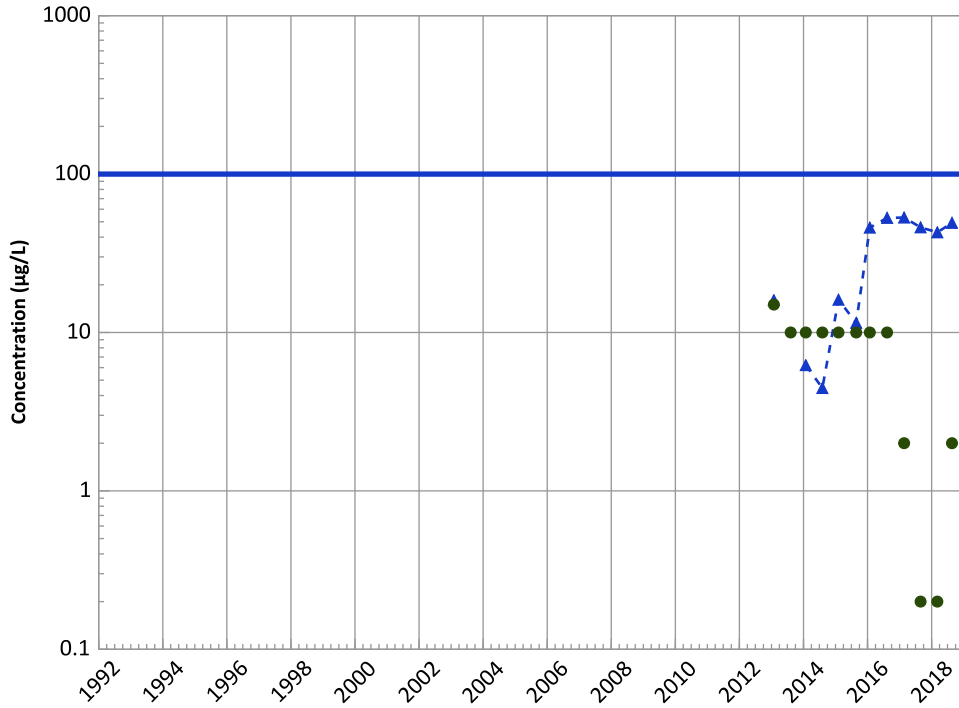
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

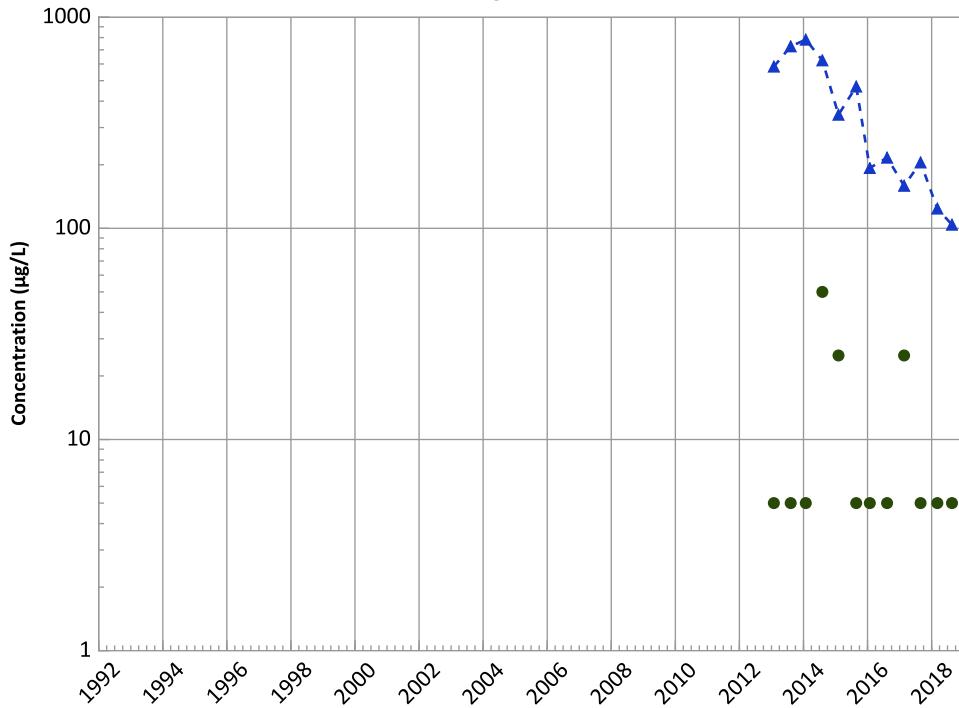
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

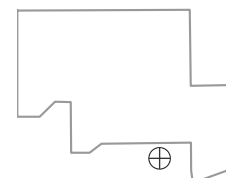
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

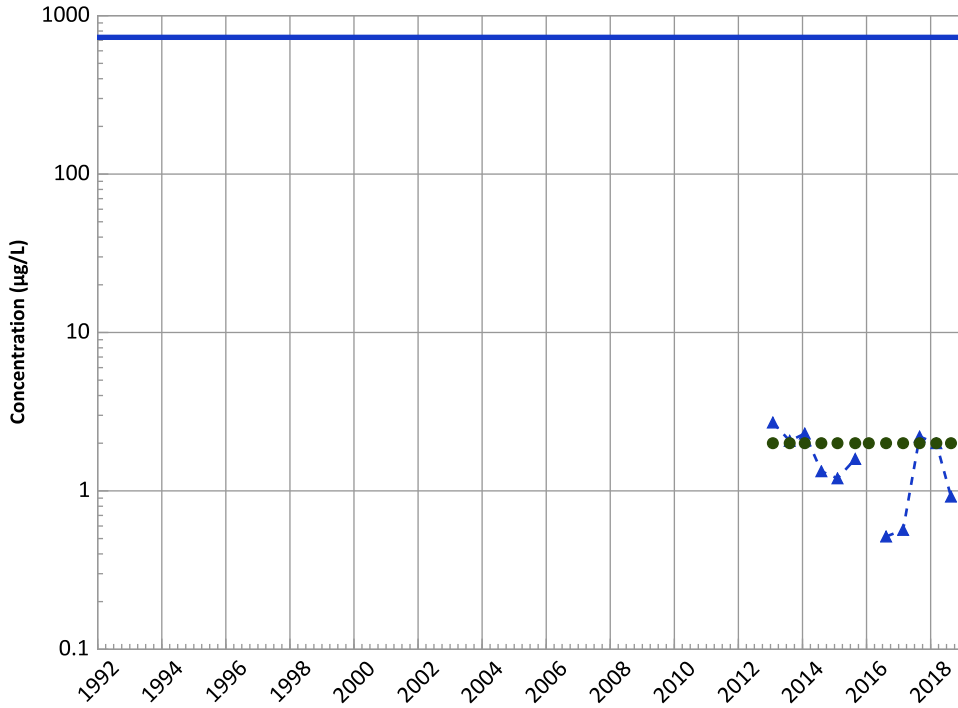
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1166 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

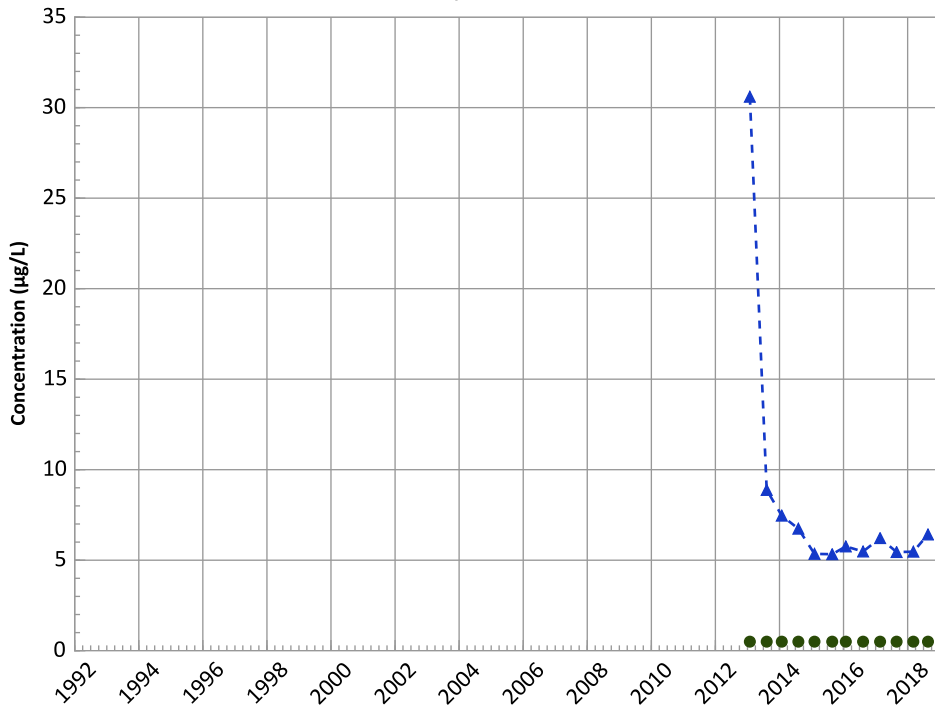
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

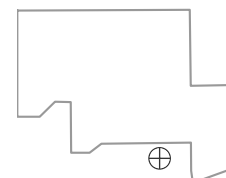
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

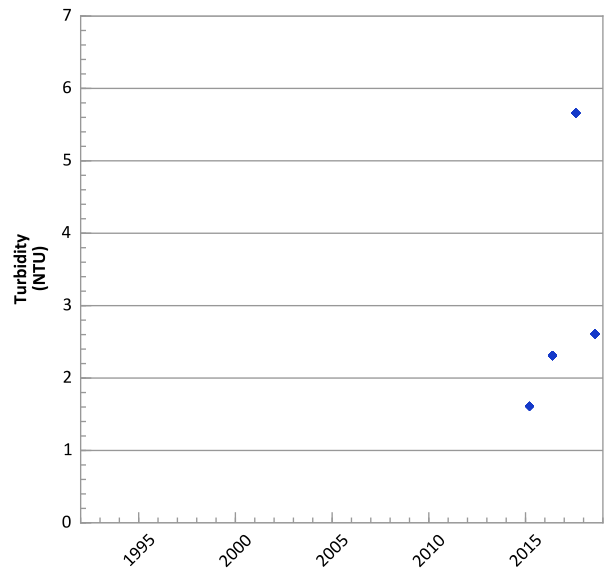
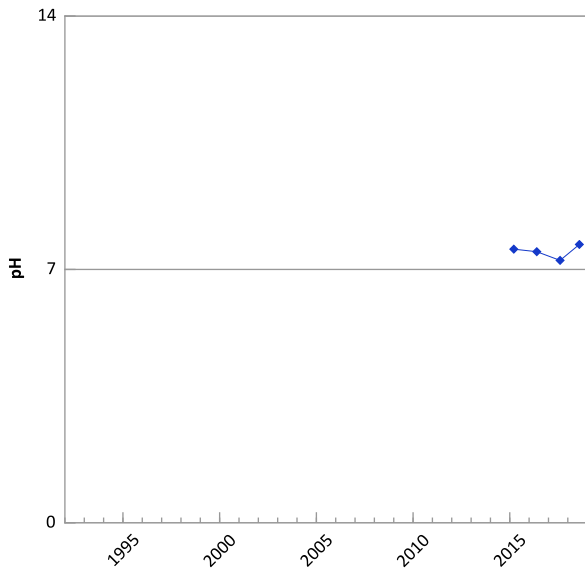
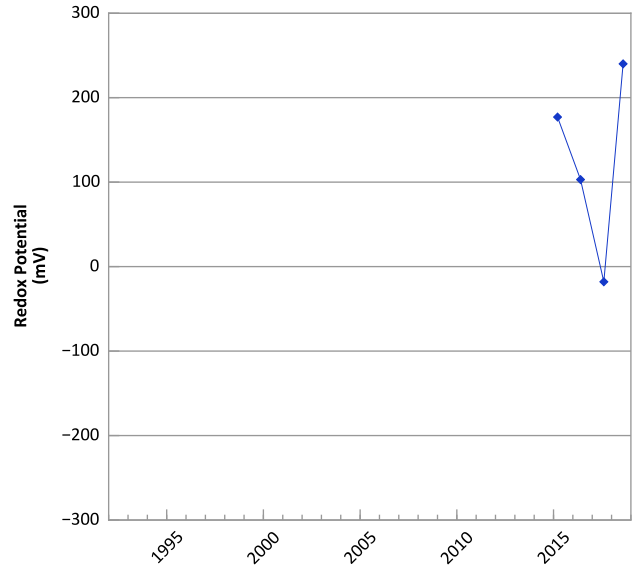
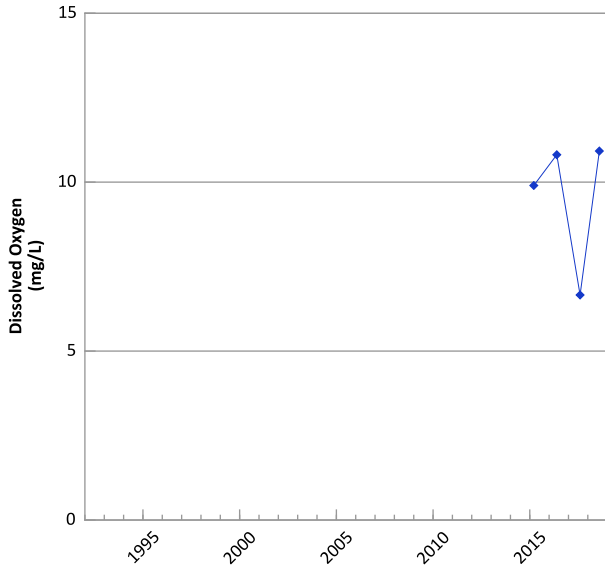
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2013 to 08/21/2018
Analysis Date: 02/14/2019

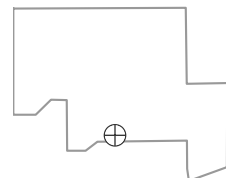
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



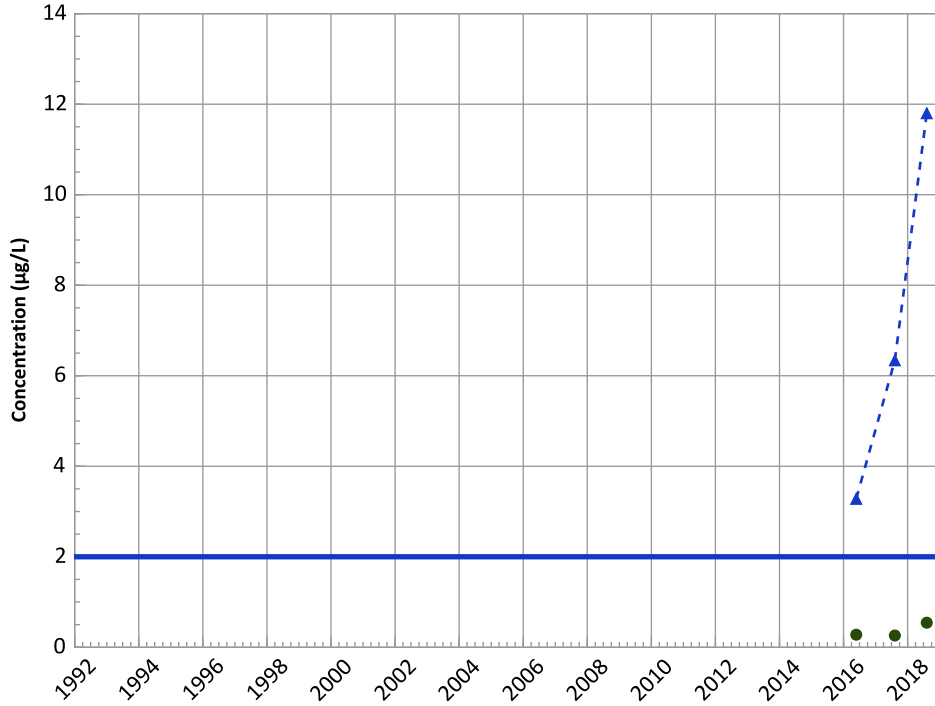
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 03/18/2015 to 08/07/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

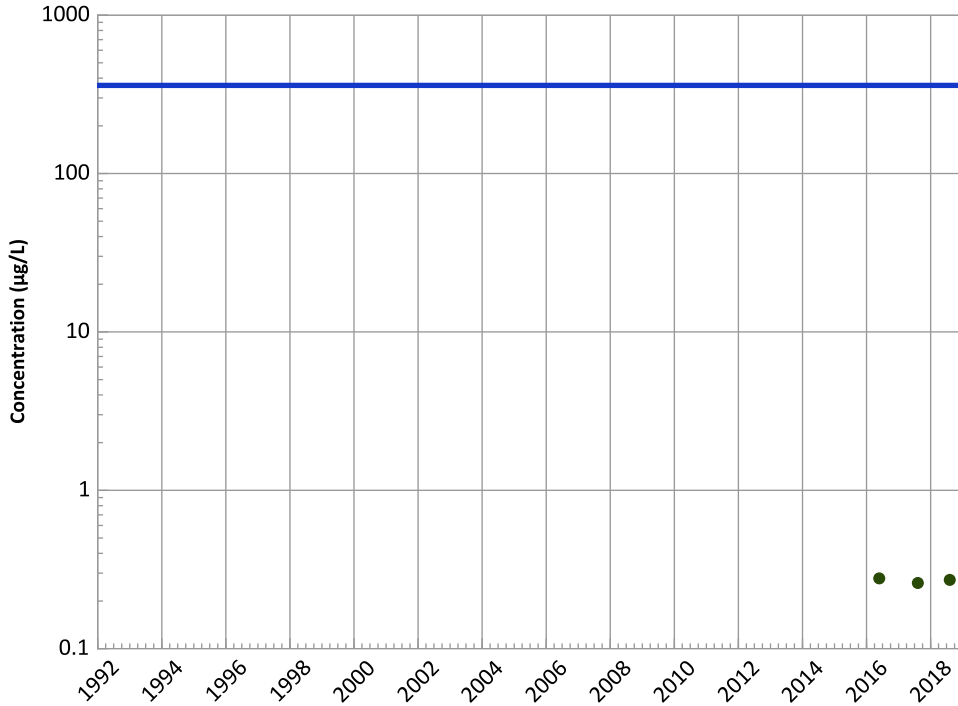
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

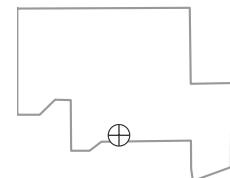
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

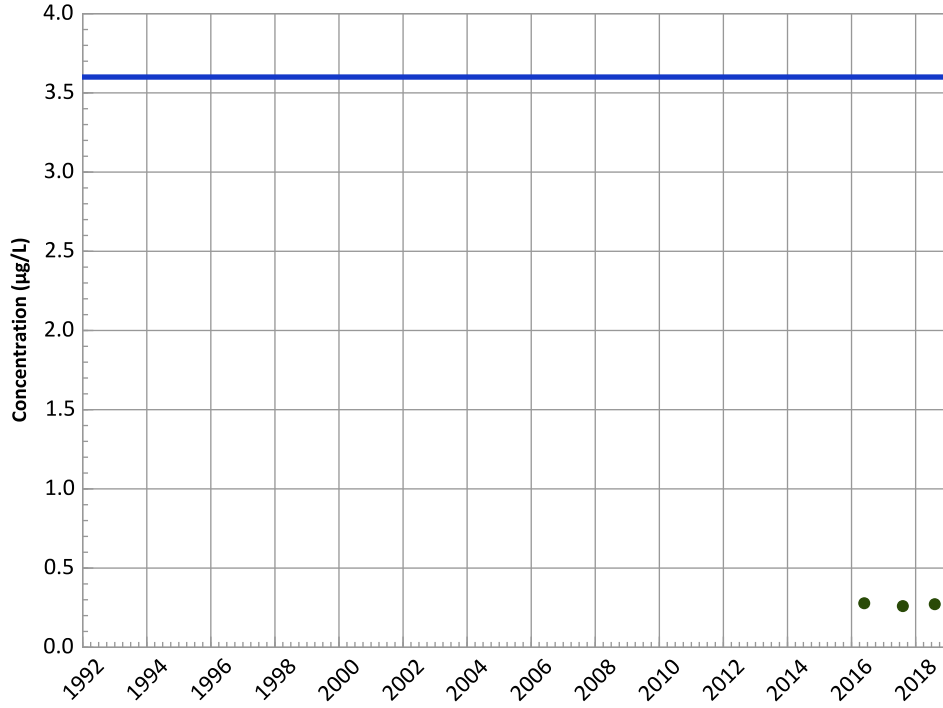


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1171 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

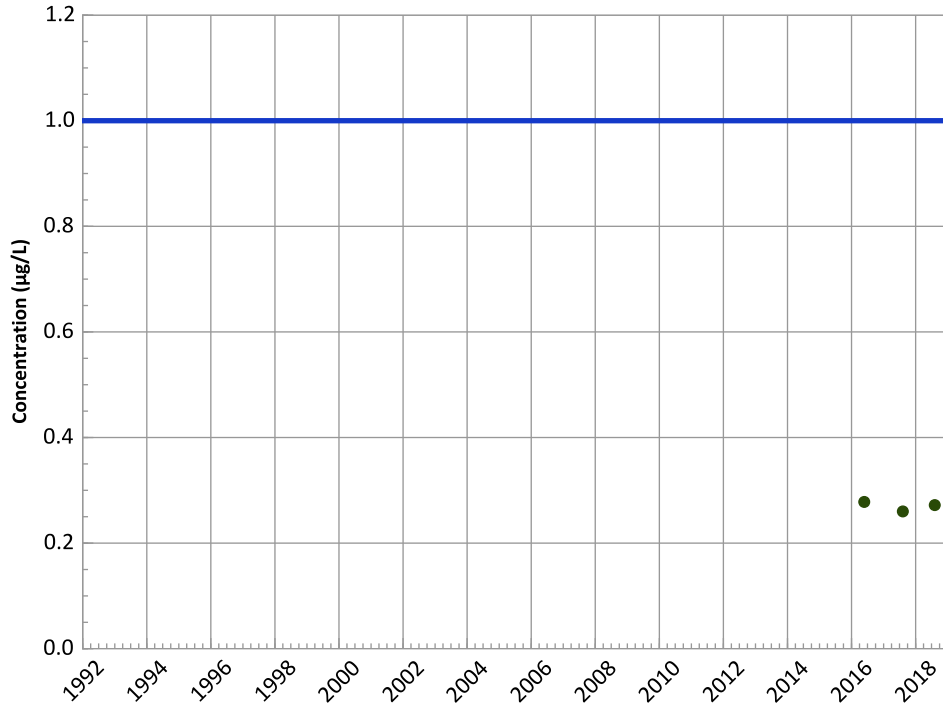
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

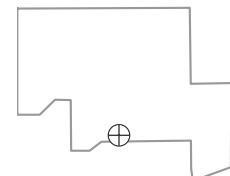
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

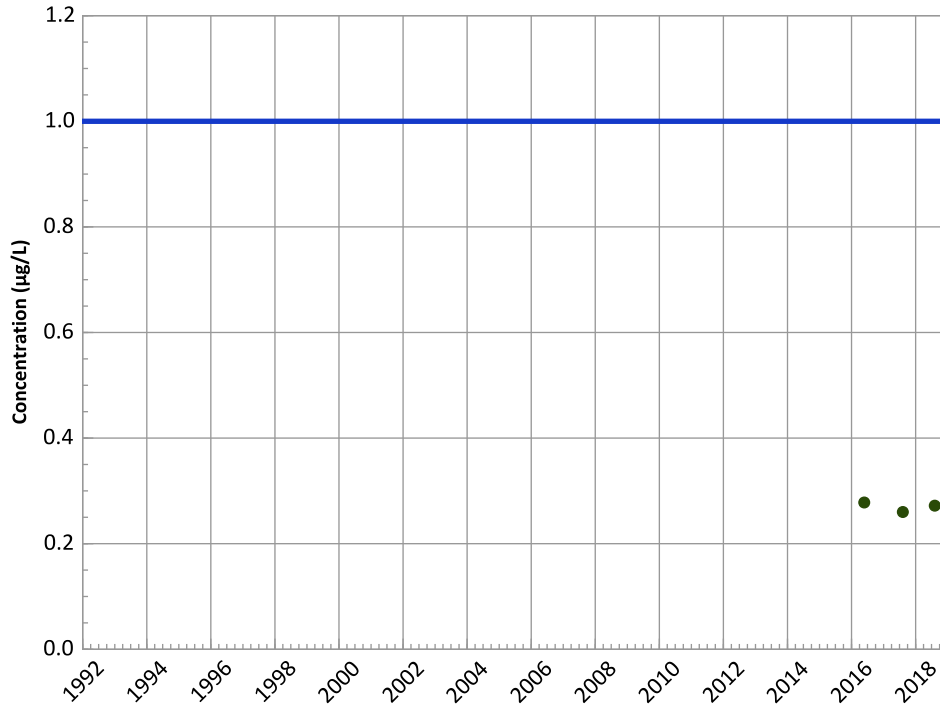


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1171 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

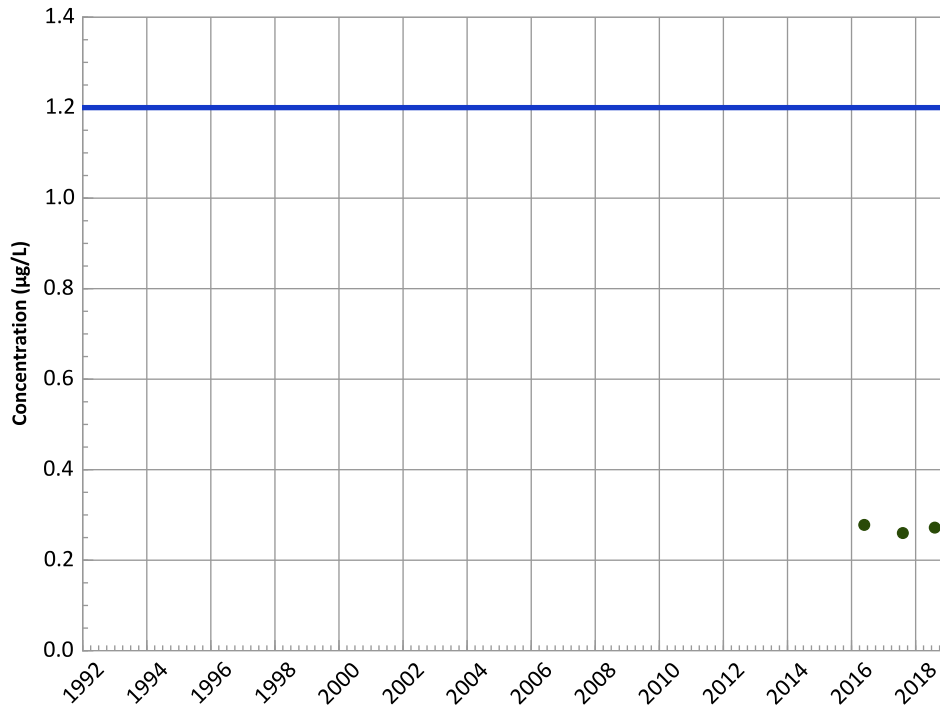
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

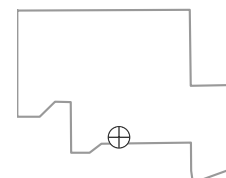
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

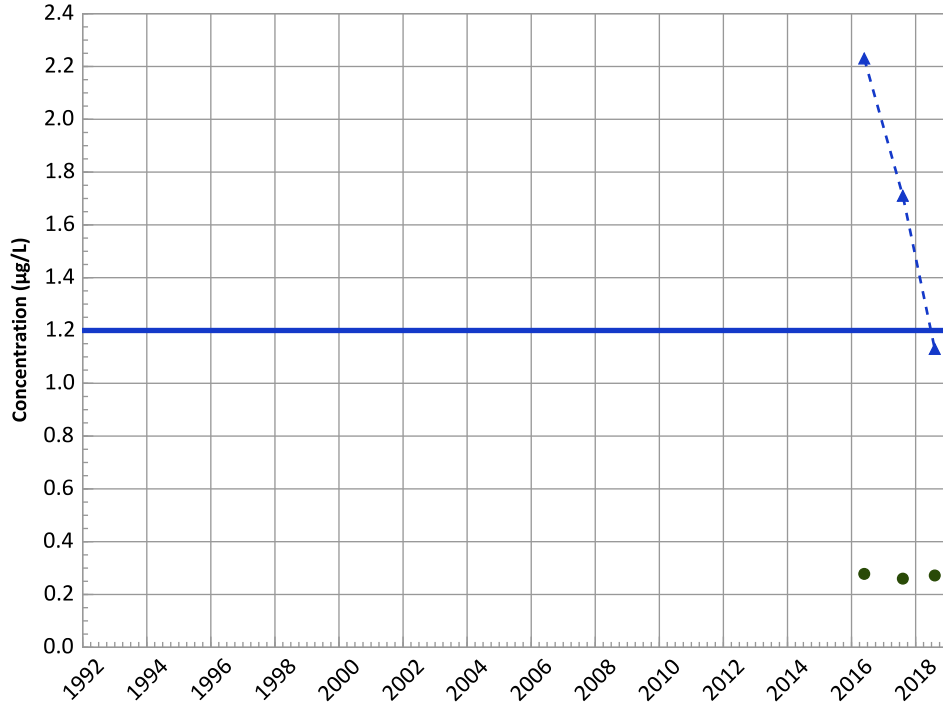


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1171 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

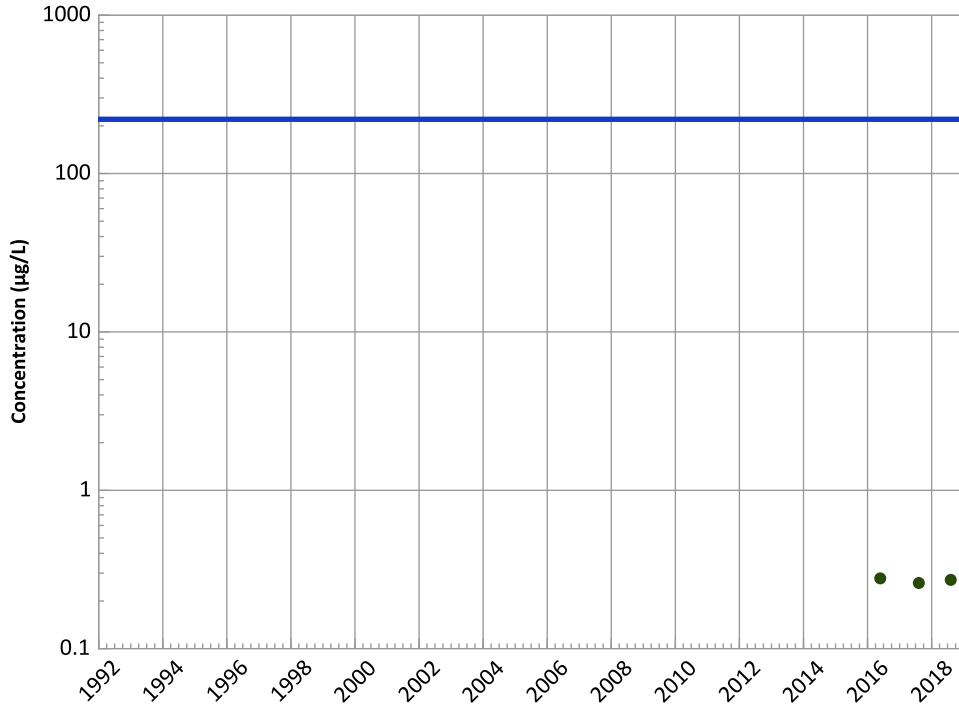
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

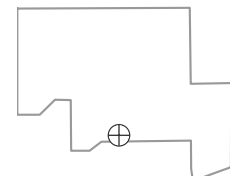
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

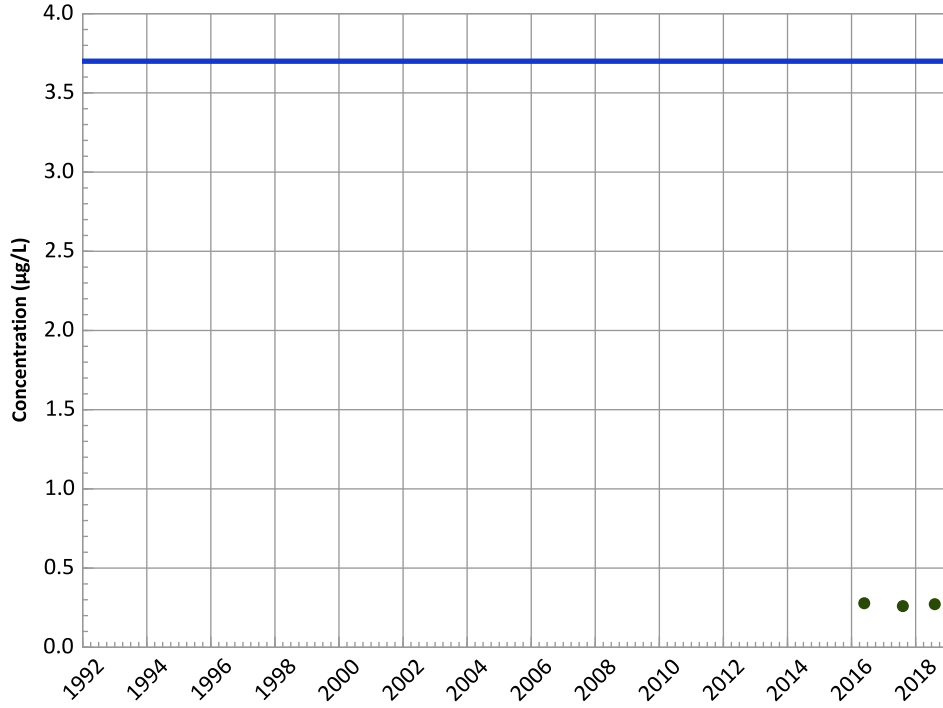


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1171 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

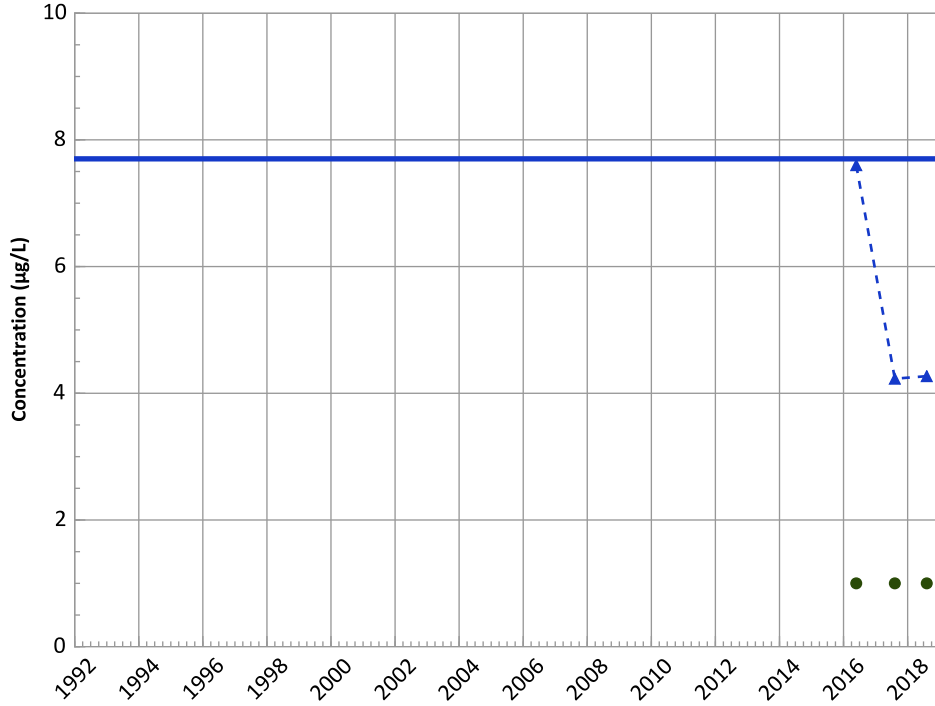
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

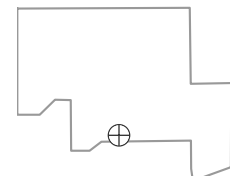
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

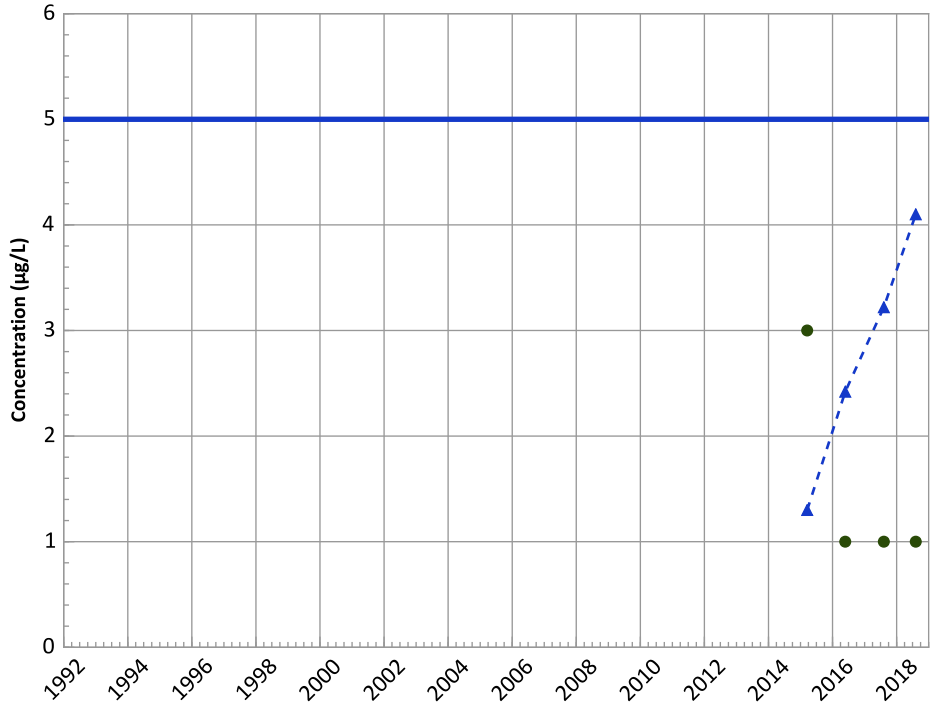
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1171 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

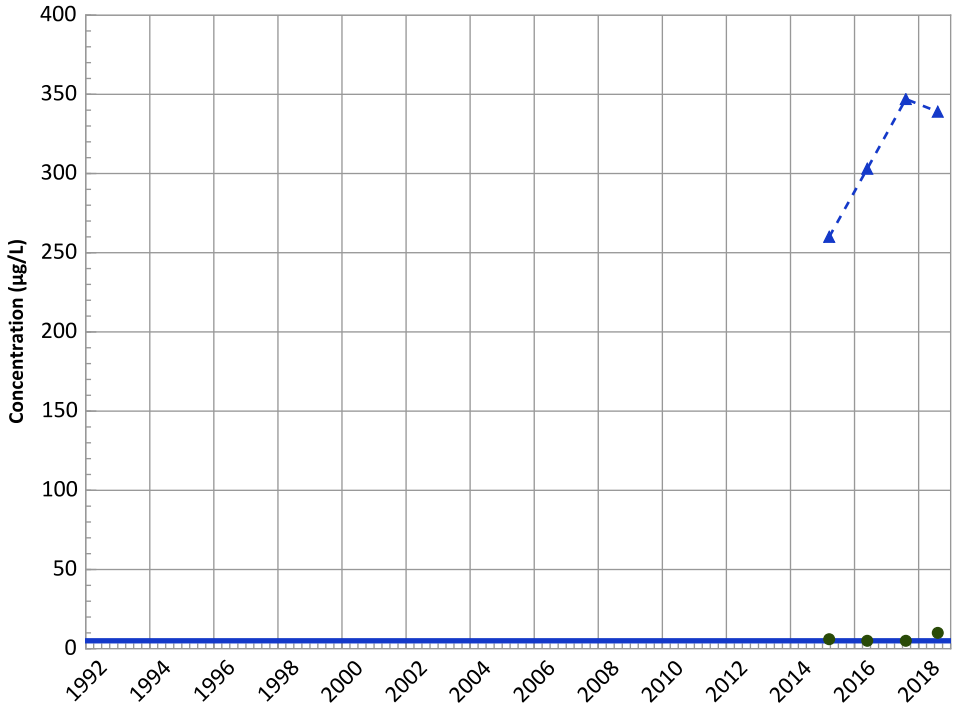


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Trichloroethene Trend

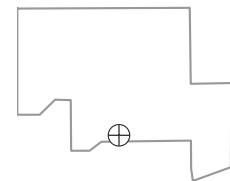


Concentration Trend

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 Detections in Dataset)
All Data:
Increasing

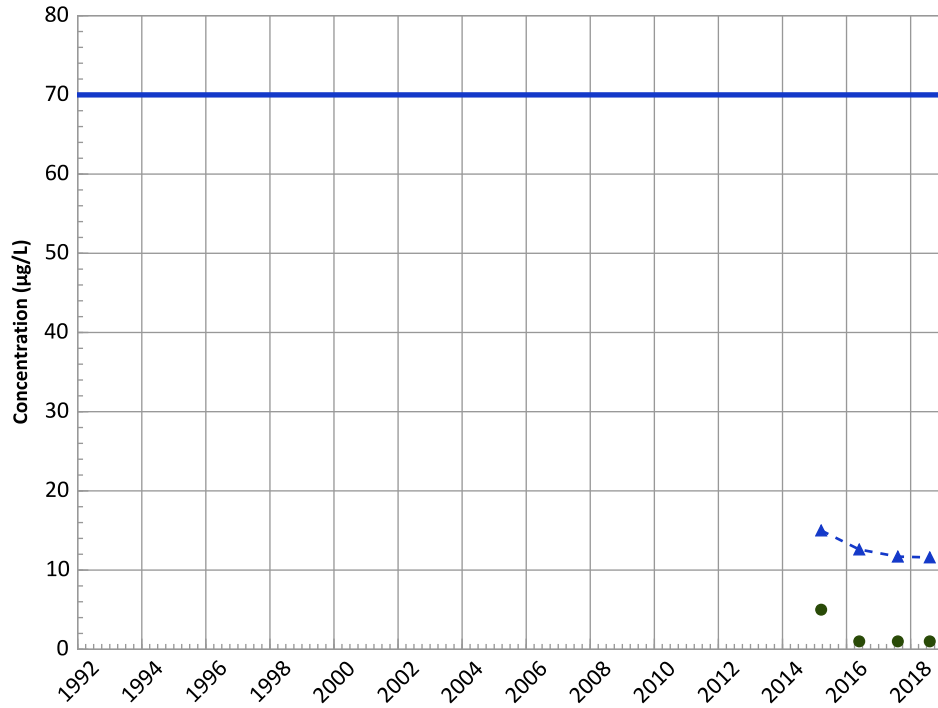
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1171 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

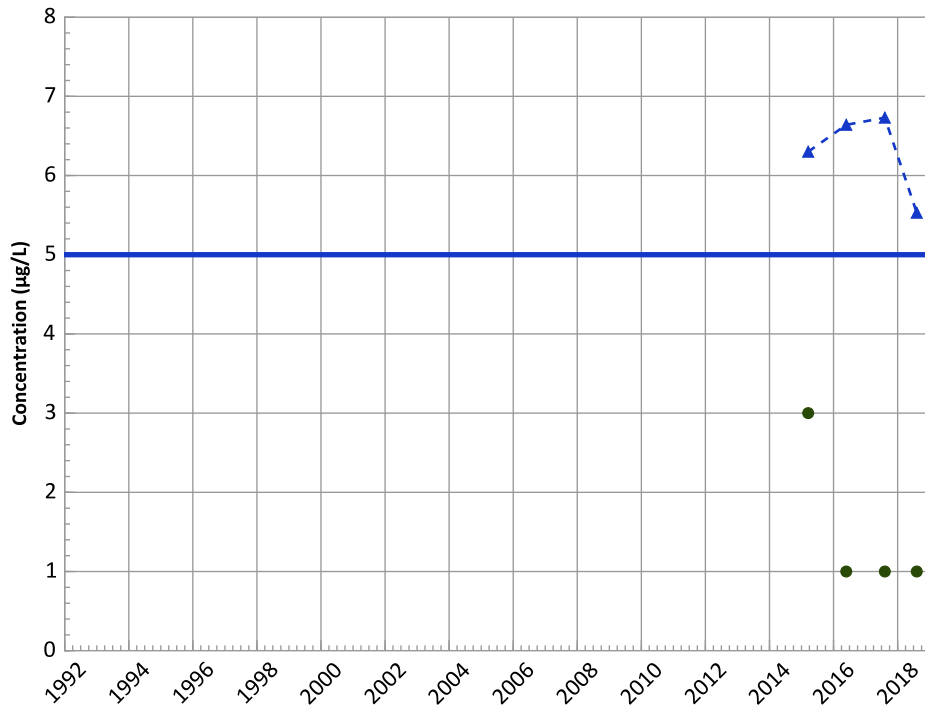


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

1,2-Dichloroethane Trend

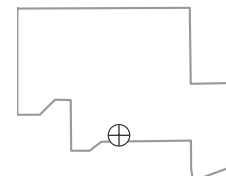


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Stable

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

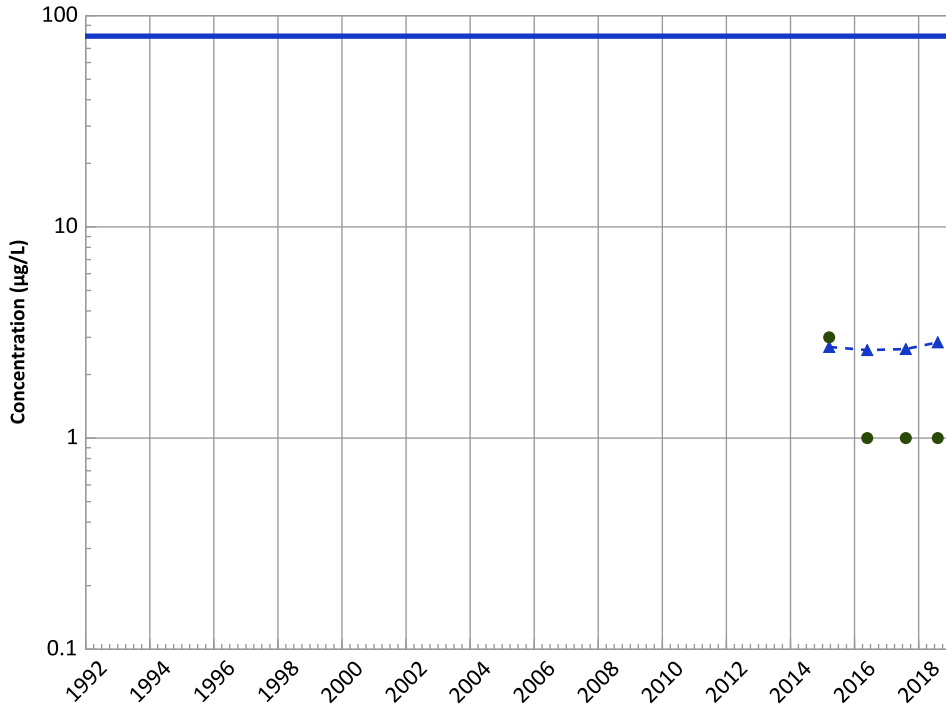
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

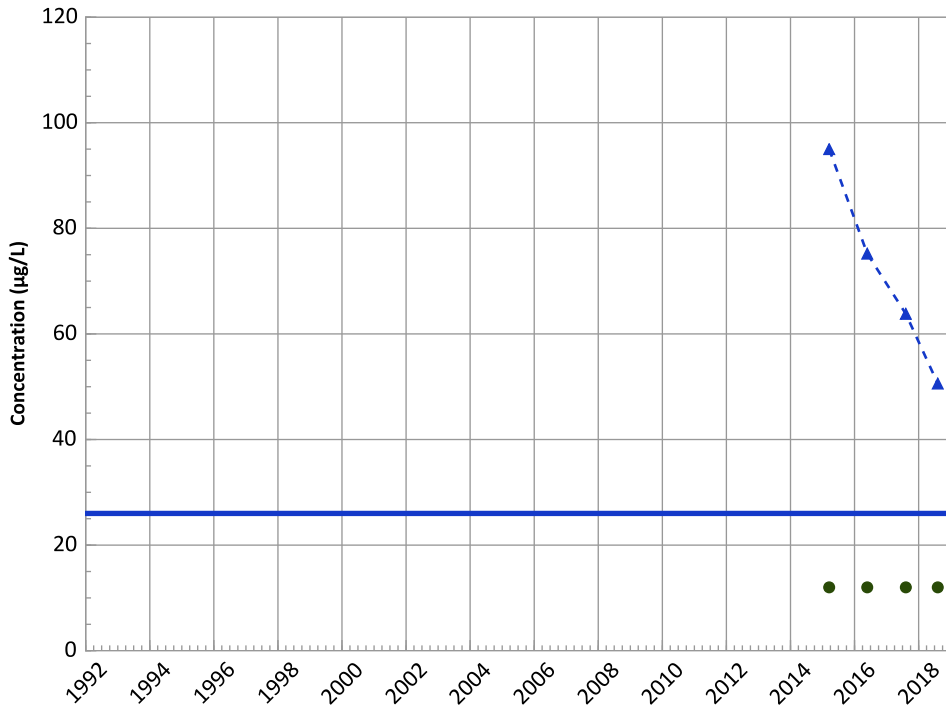


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Perchlorate Trend



Concentration Trend

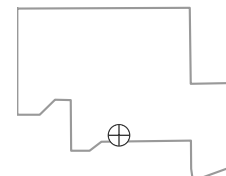
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

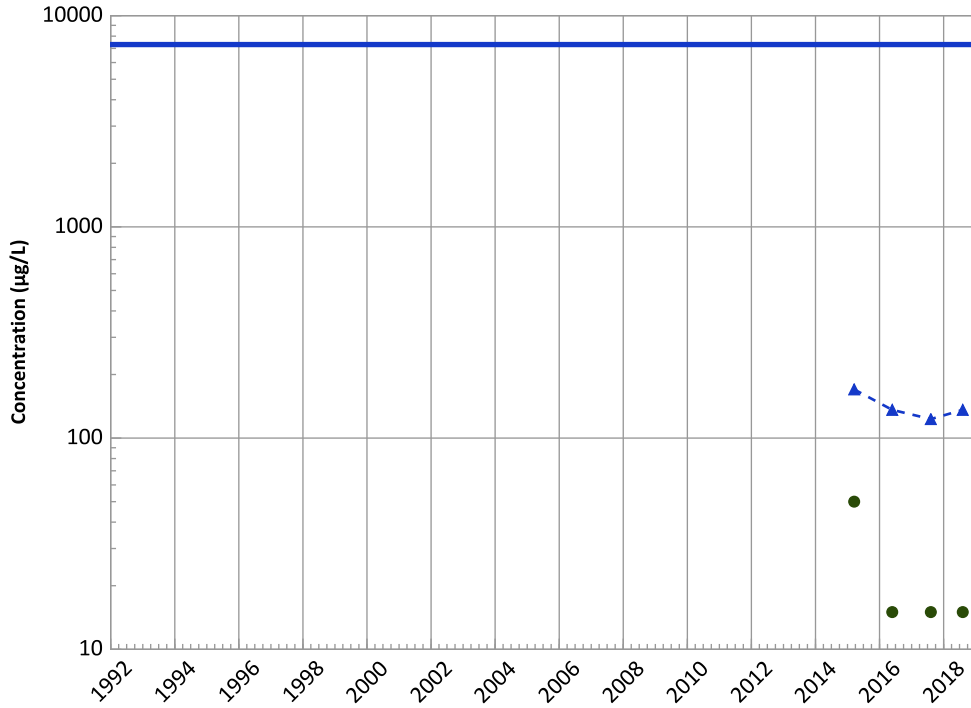
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1171 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

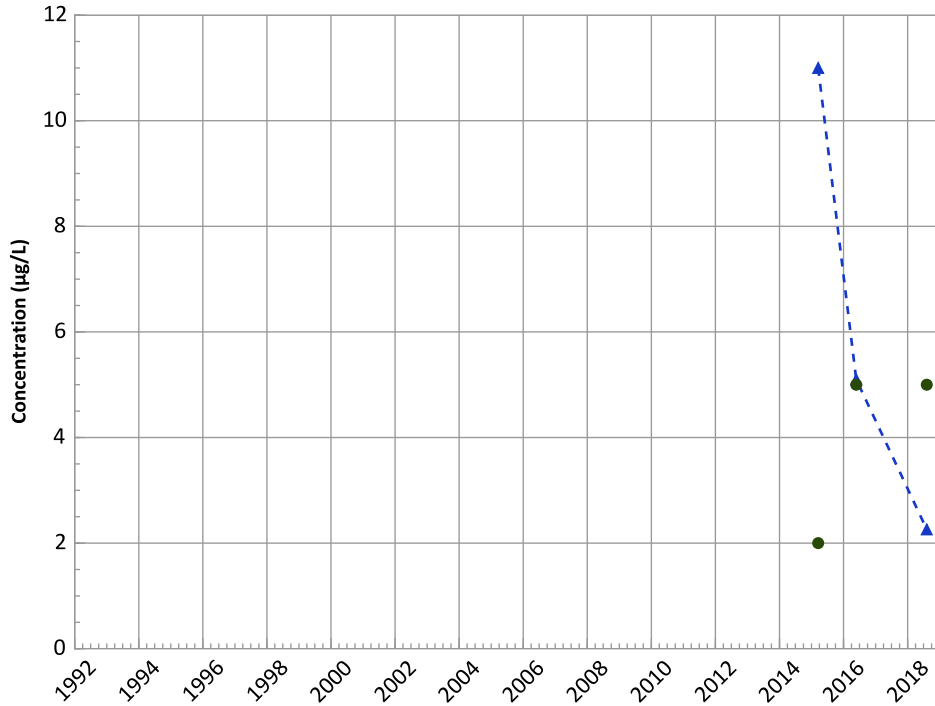


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Manganese Trend

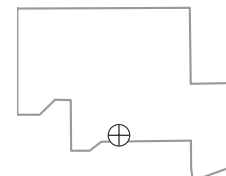


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

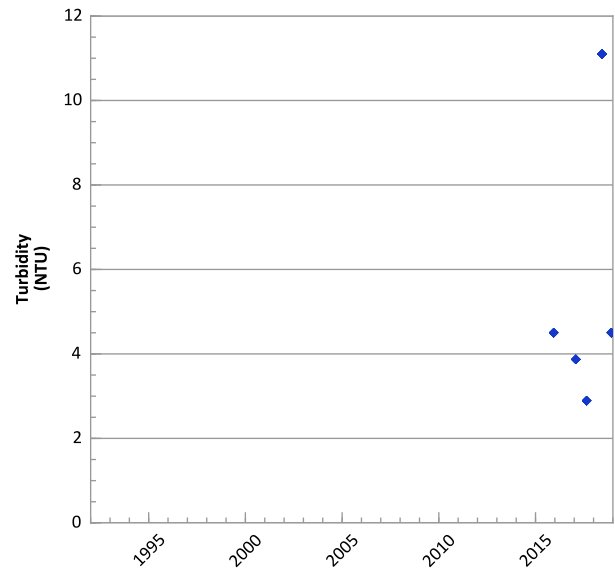
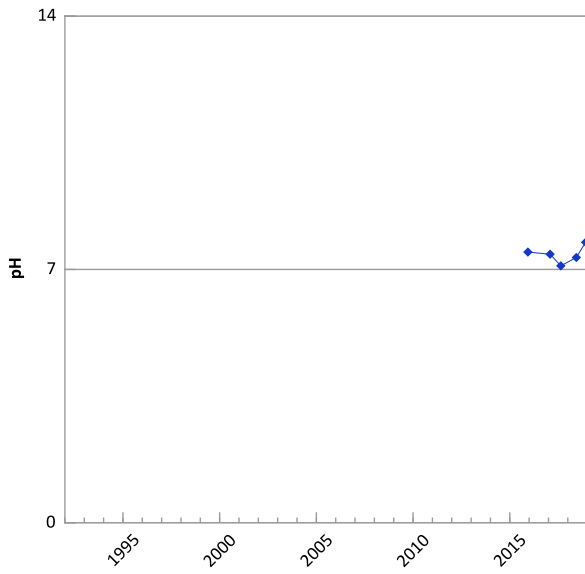
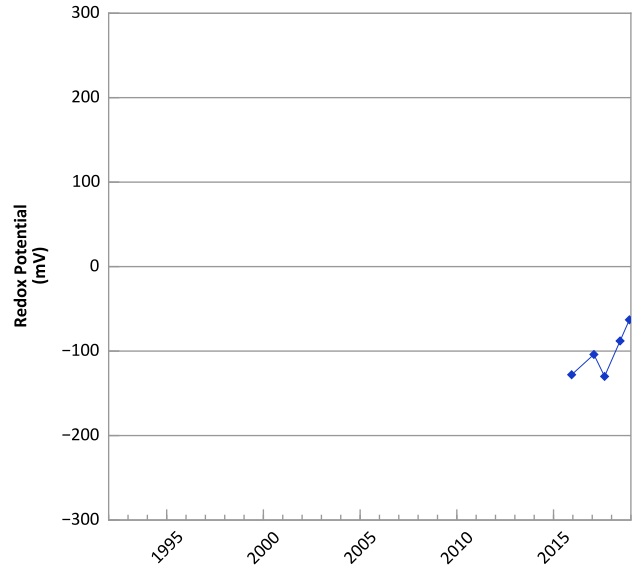
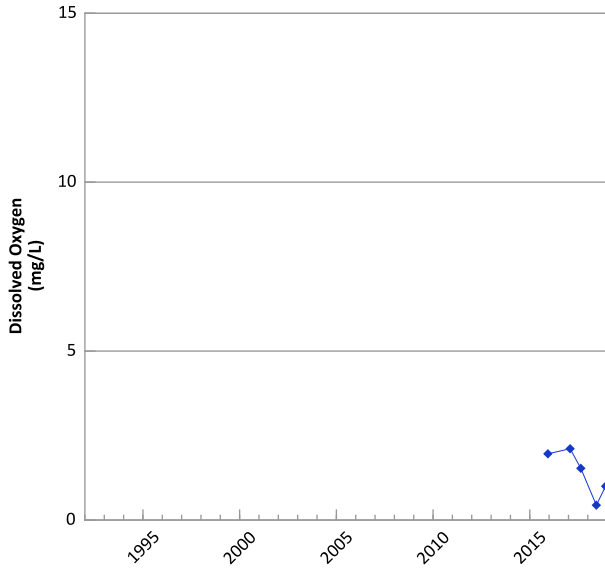
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/18/2015 to 08/07/2018
Analysis Date: 02/14/2019

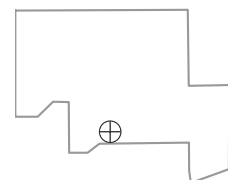
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



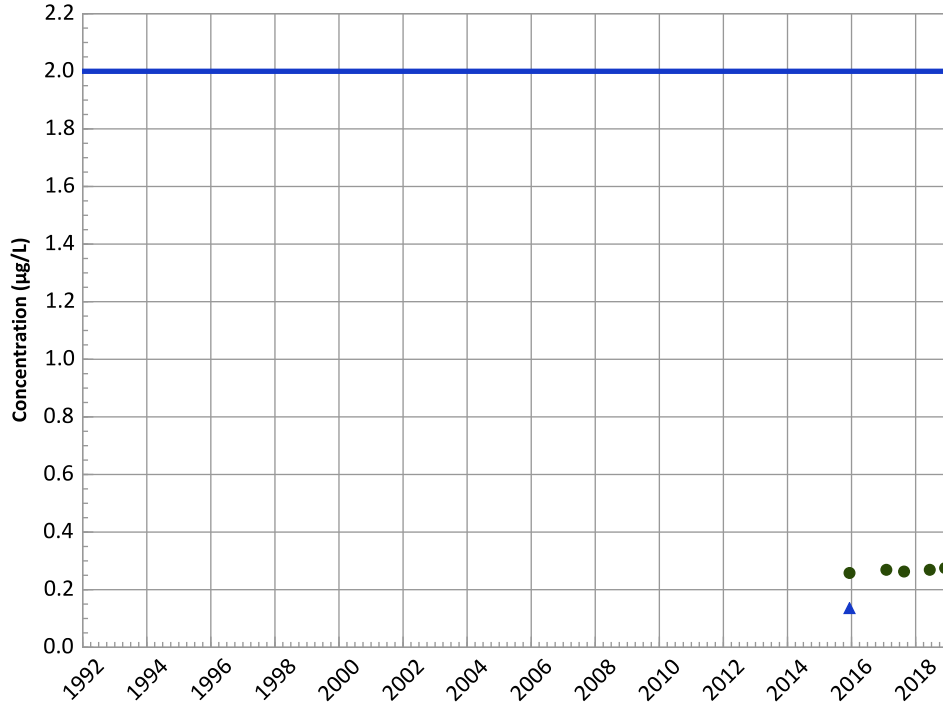
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/09/2015 to 12/03/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

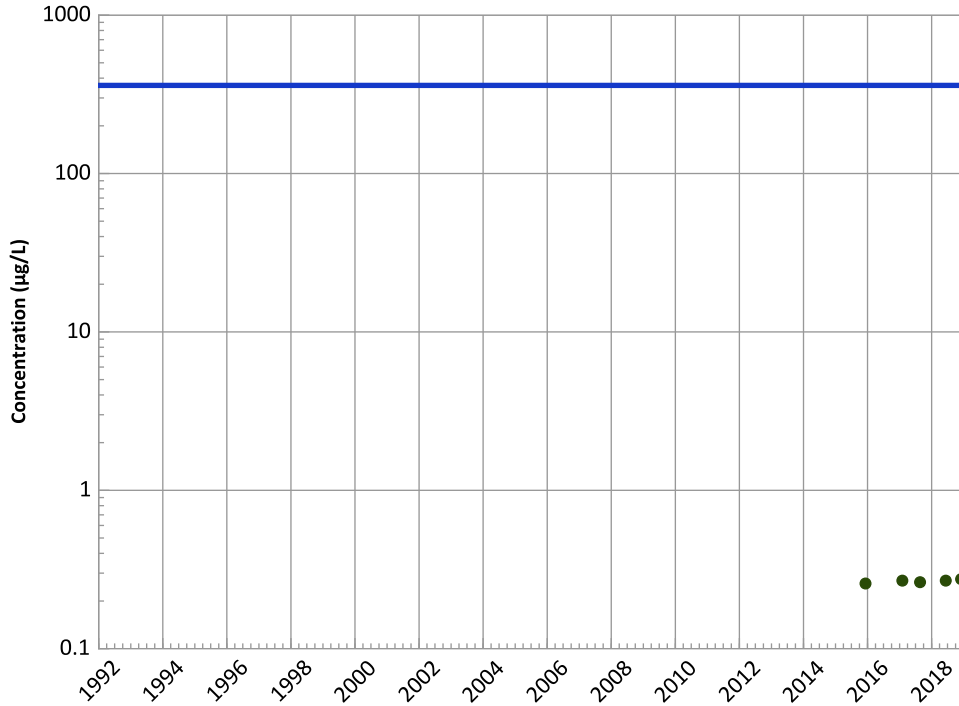


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

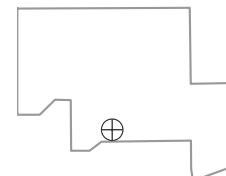
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

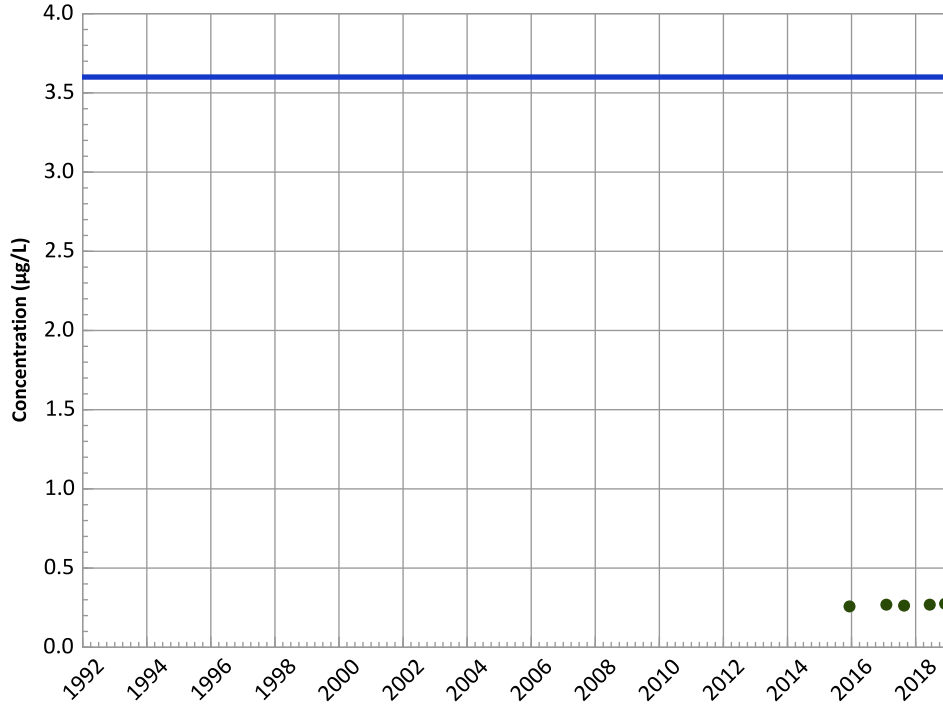
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

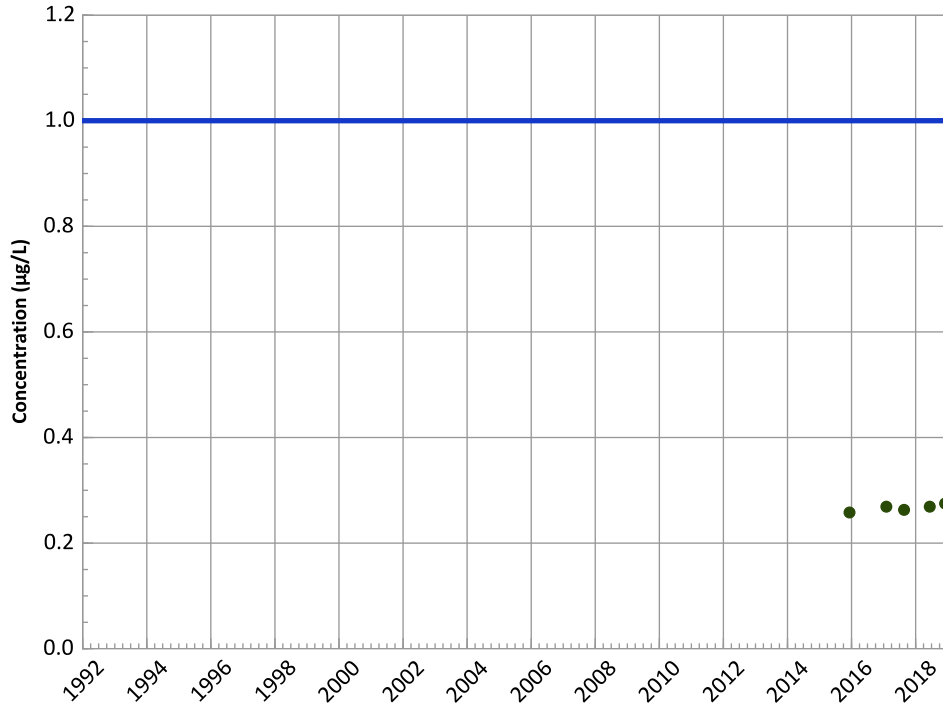


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

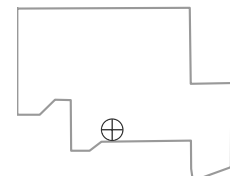


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

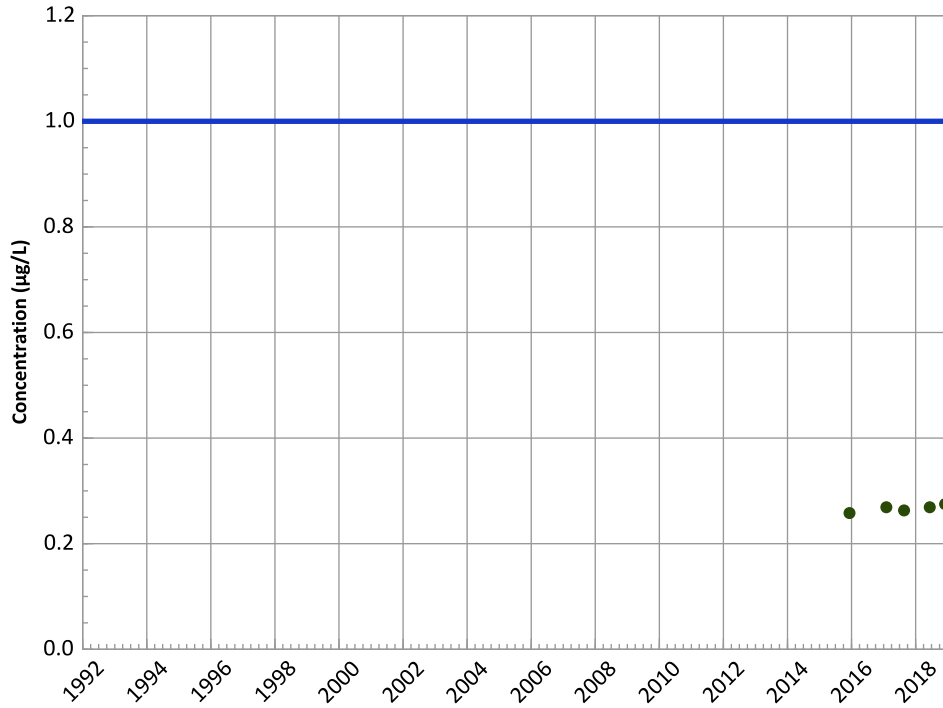


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

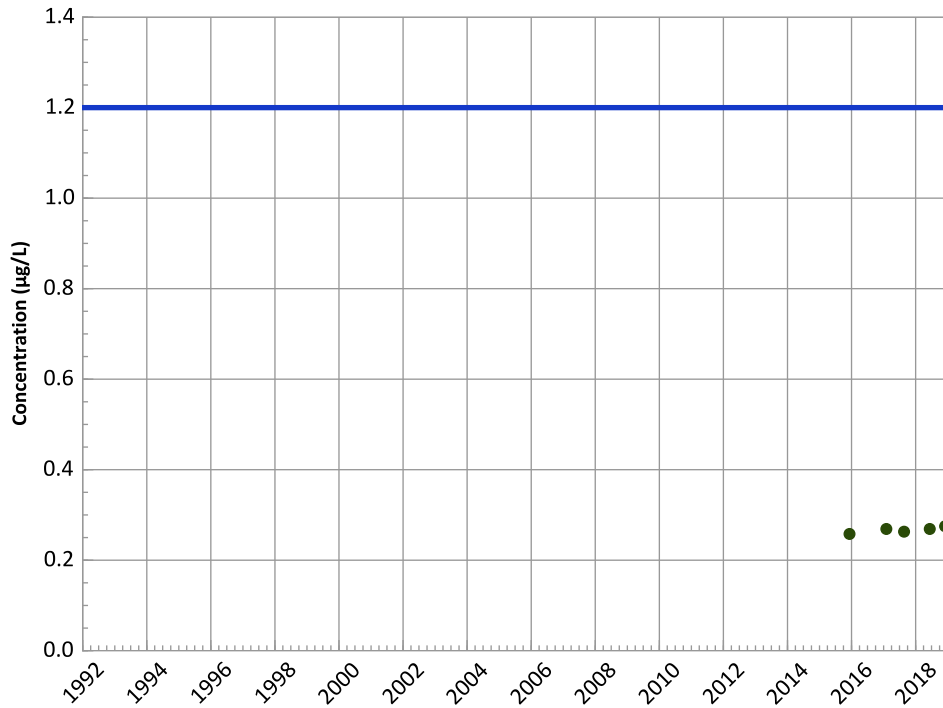


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

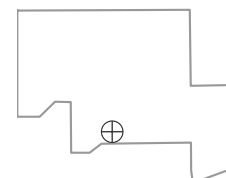


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

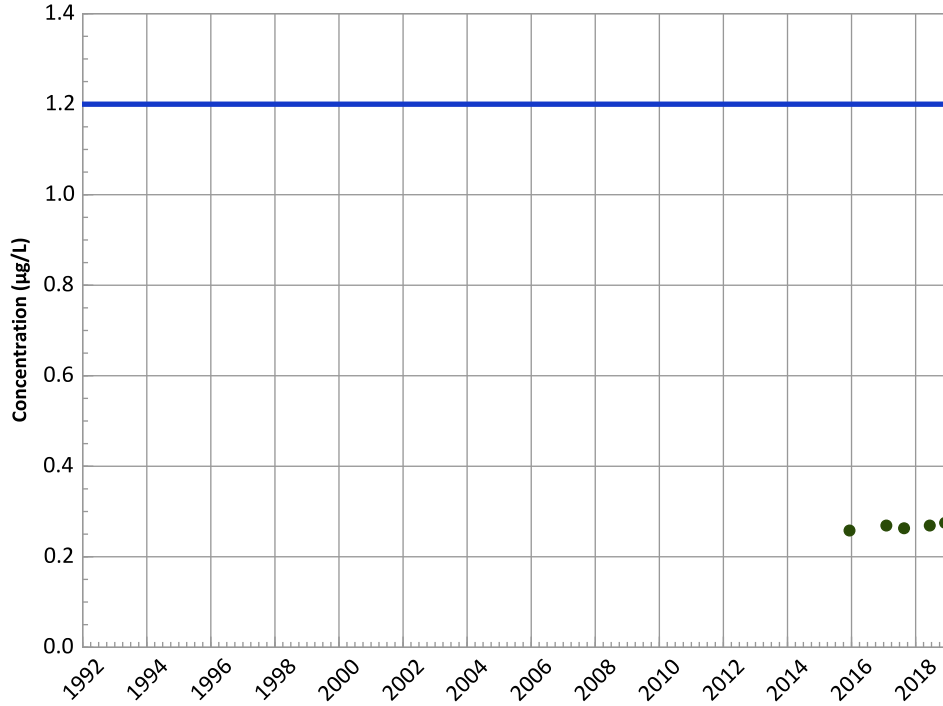


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

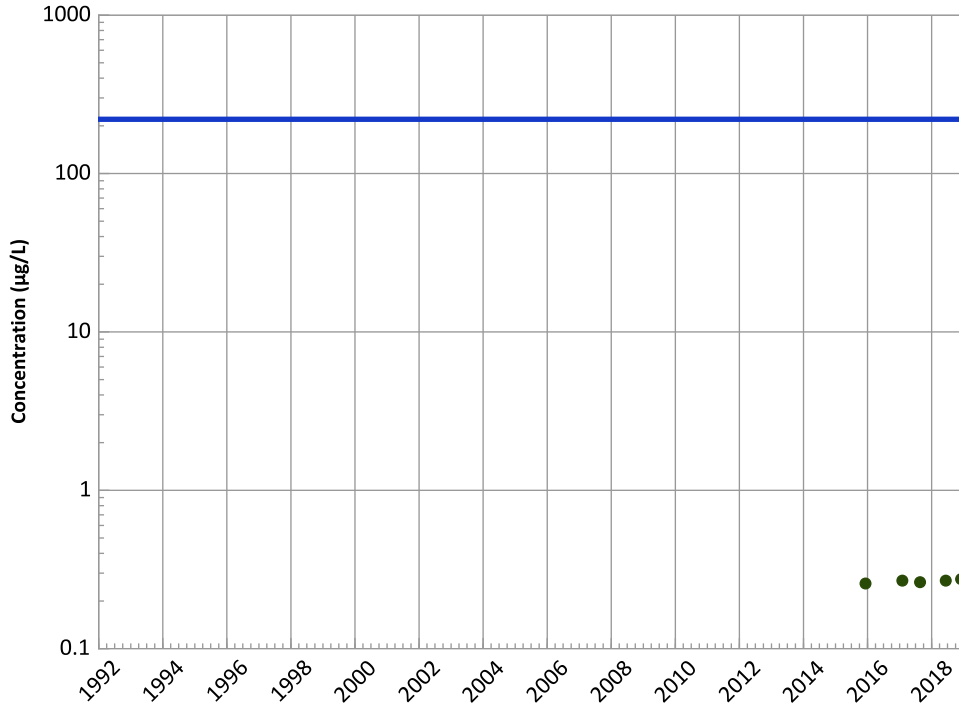


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

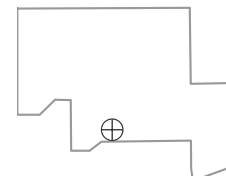
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

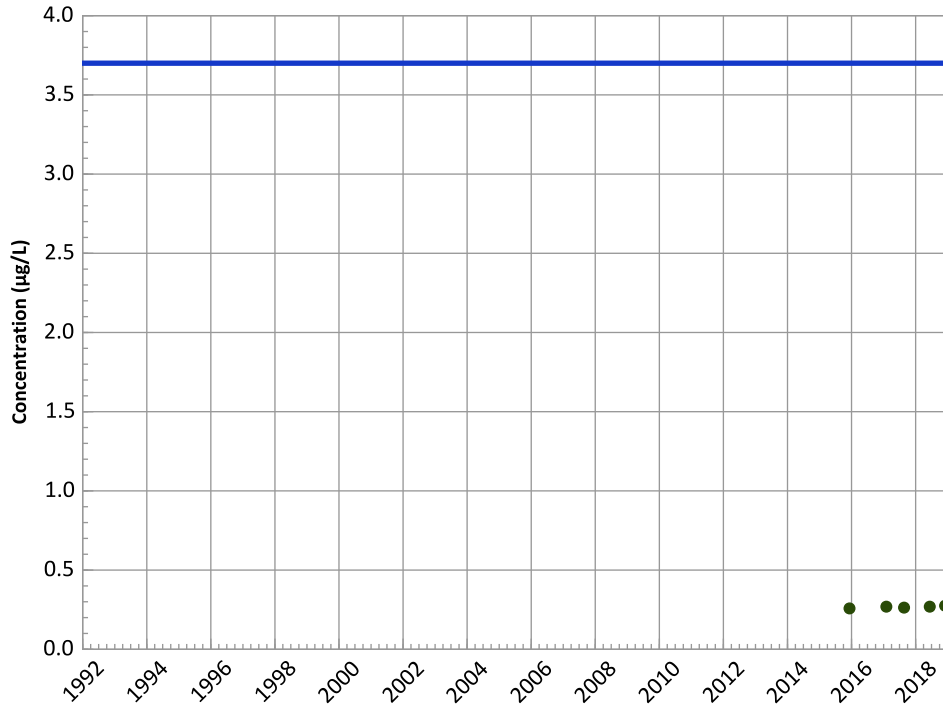
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

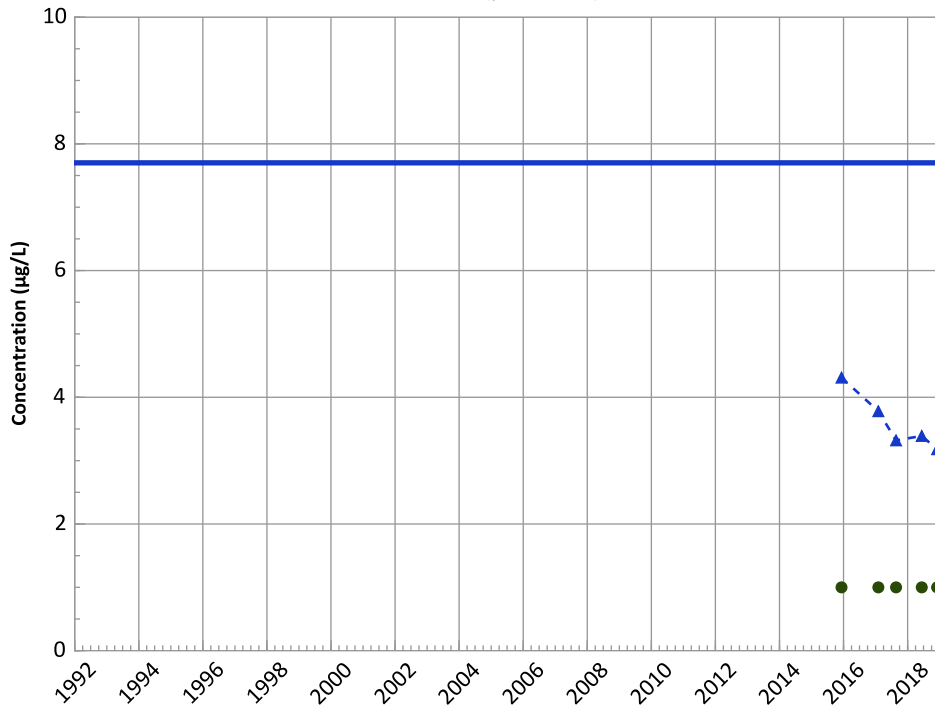


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

1,4-Dioxane (p-Dioxane) Trend

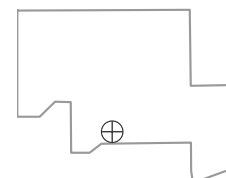


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

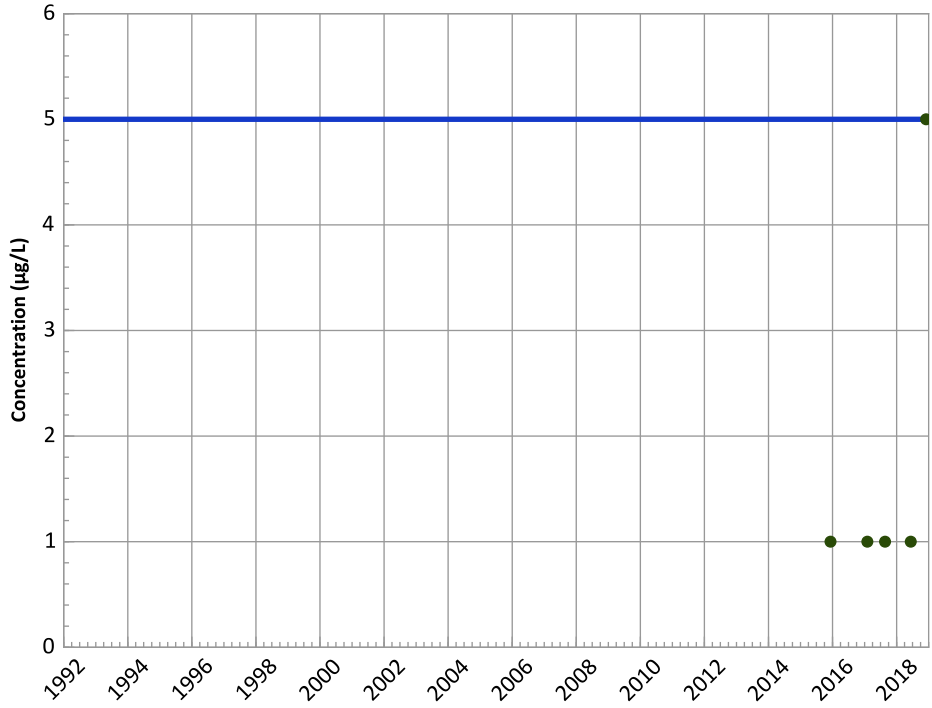
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

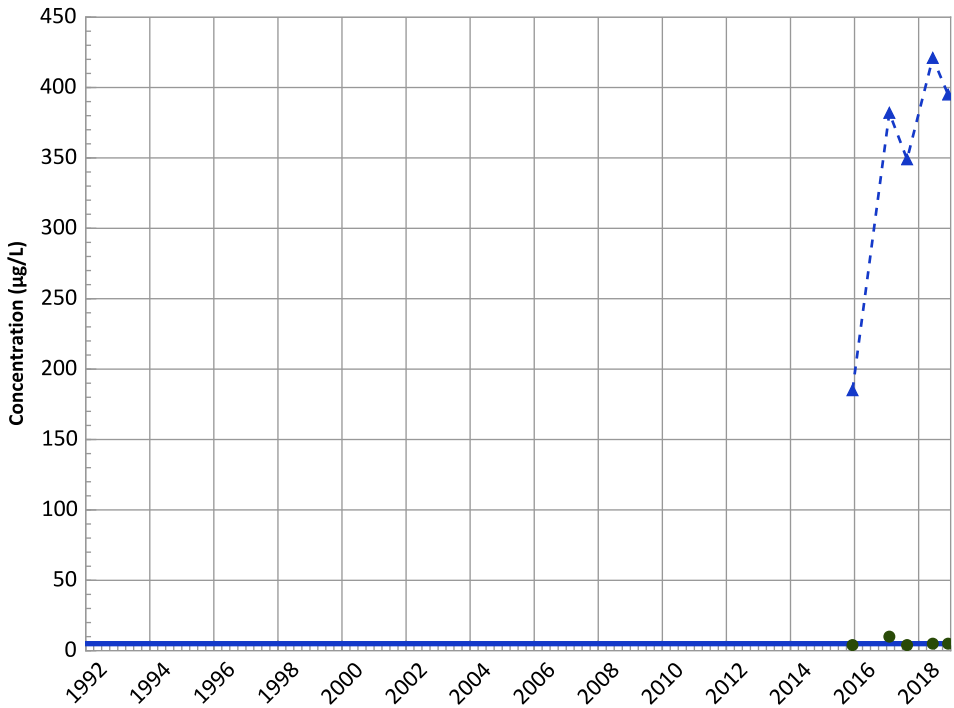


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Trichloroethene Trend

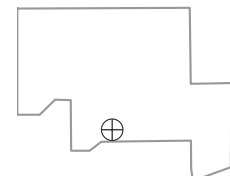


Concentration Trend

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 Detections in Dataset)
All Data:
Increasing

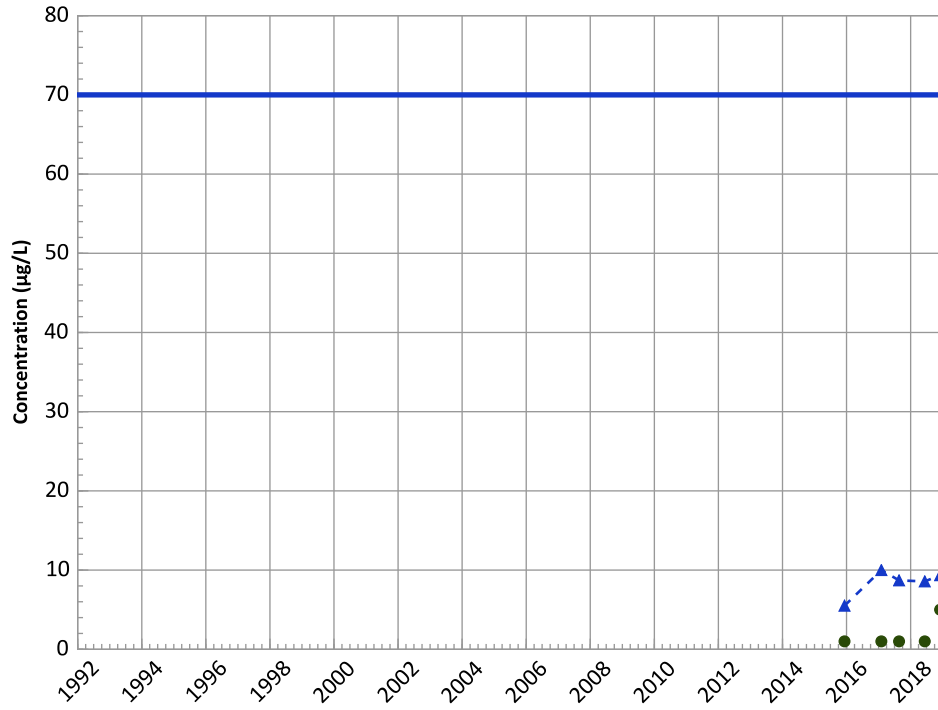
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

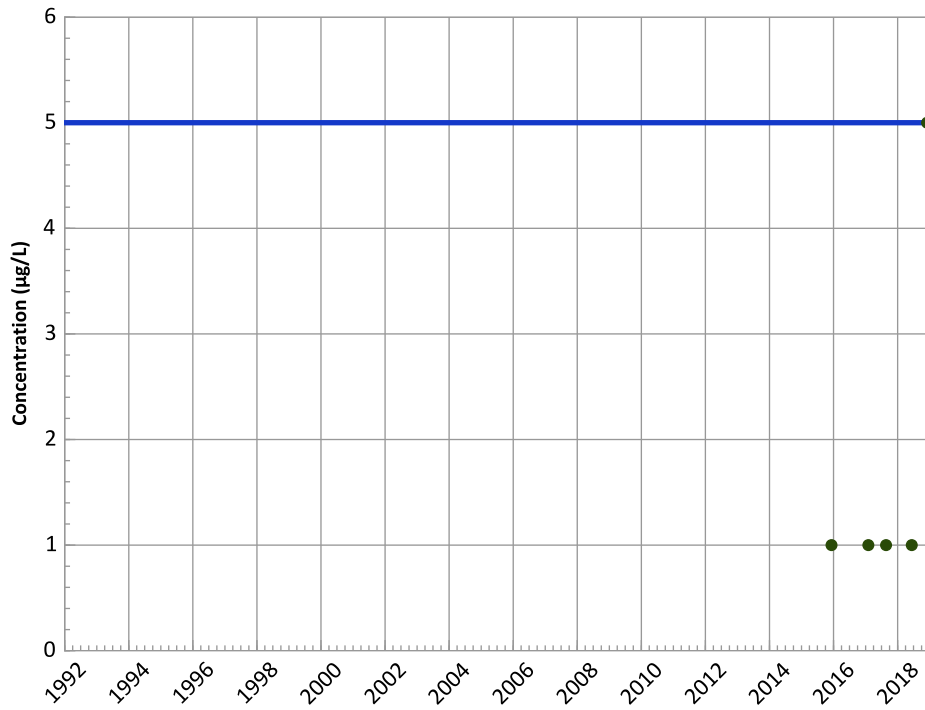


Concentration Trend

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 Detections in Dataset)
All Data:
Probably Increasing

1,2-Dichloroethane Trend



Concentration Trend

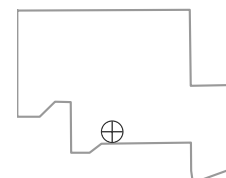
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

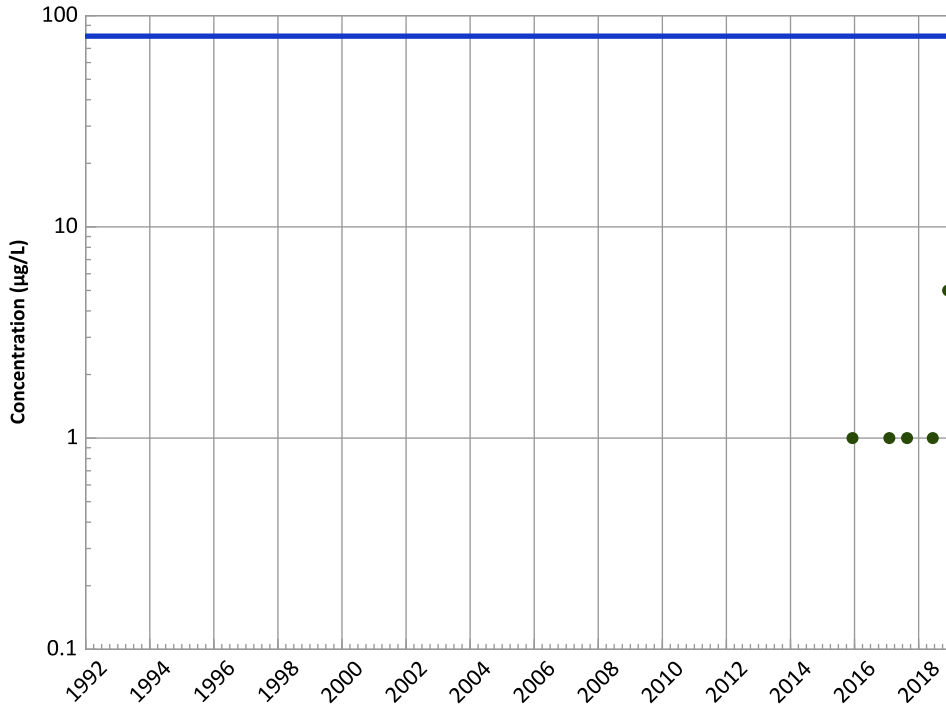
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

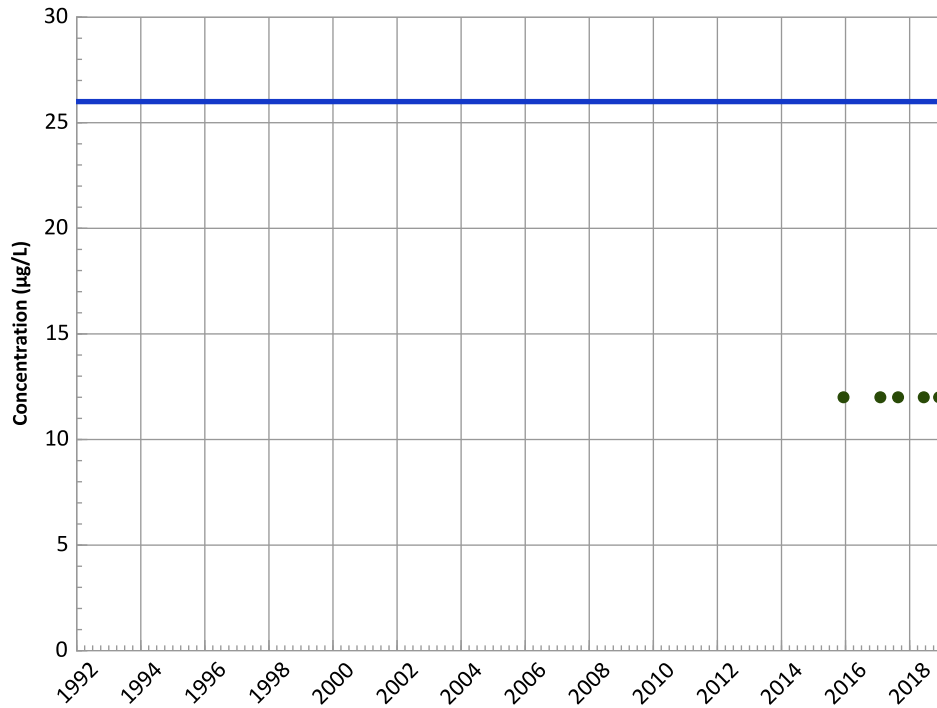


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Perchlorate Trend

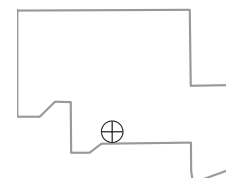


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

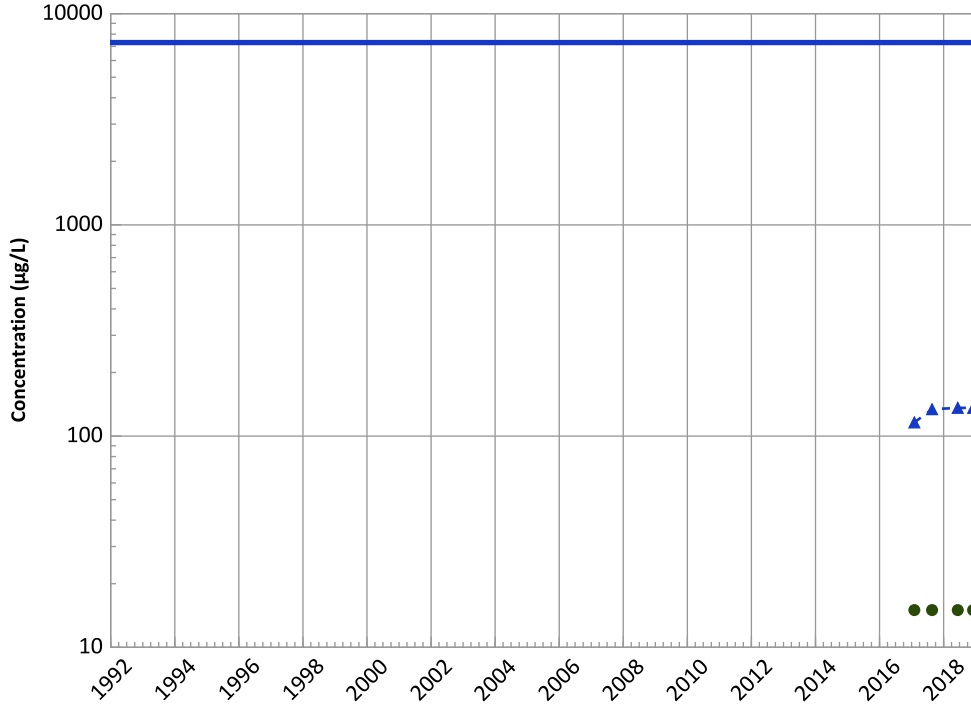


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1180 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

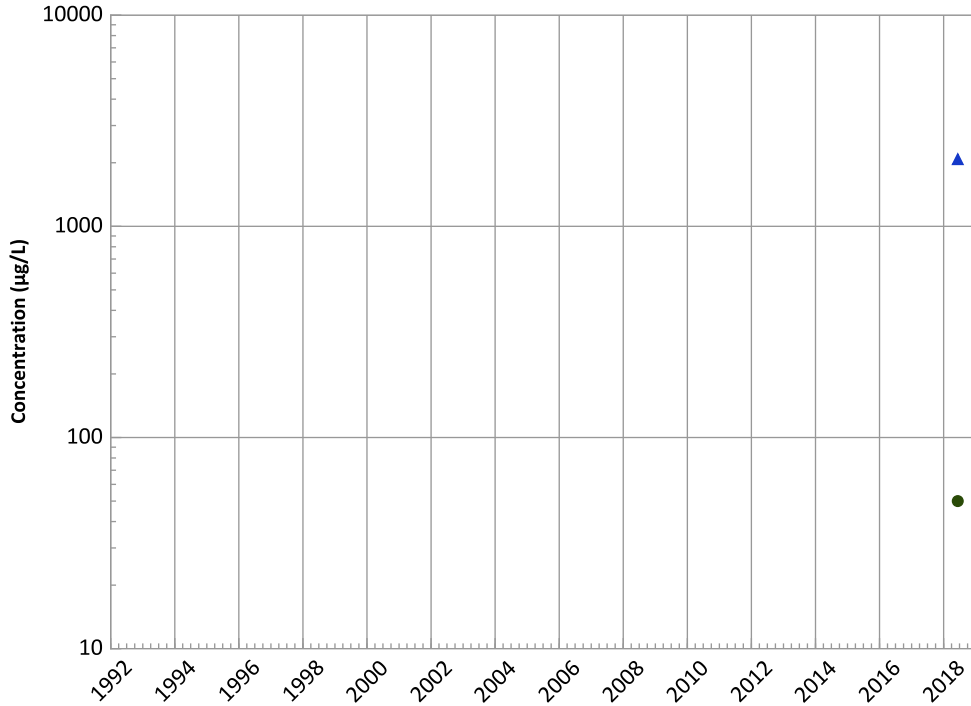


Concentration Trend

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:
Probably Increasing

Manganese Trend

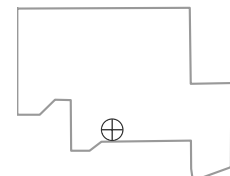


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

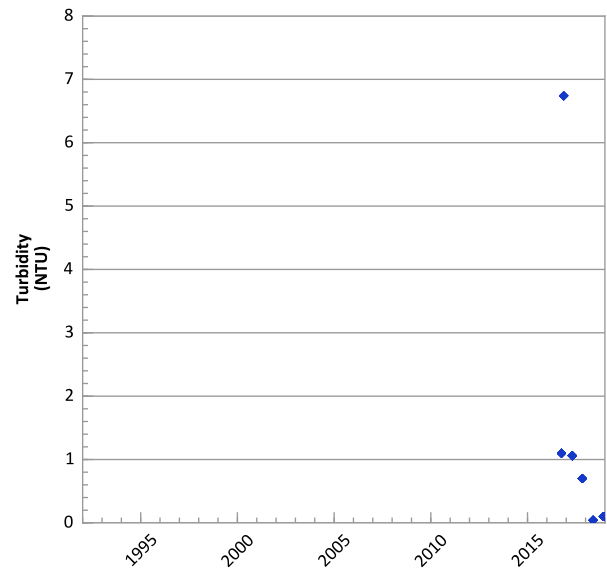
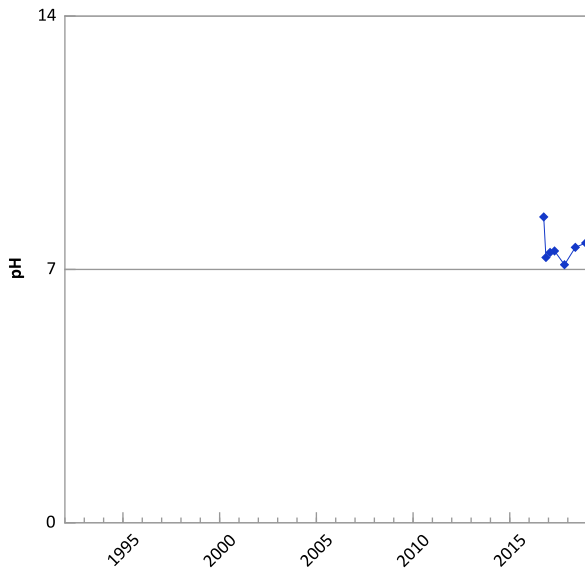
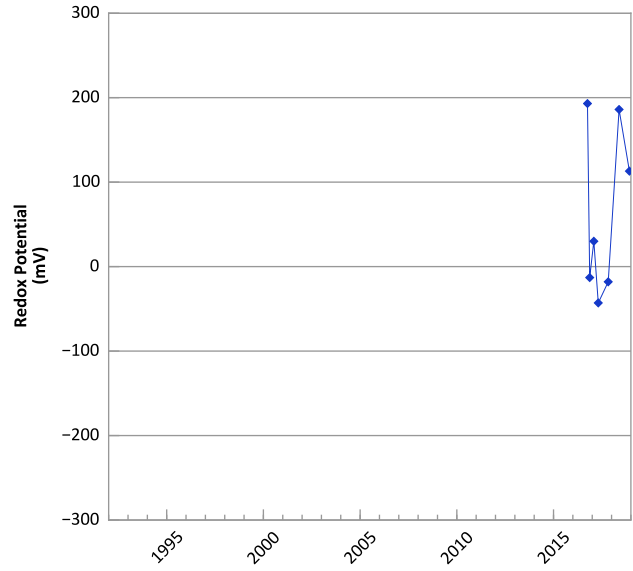
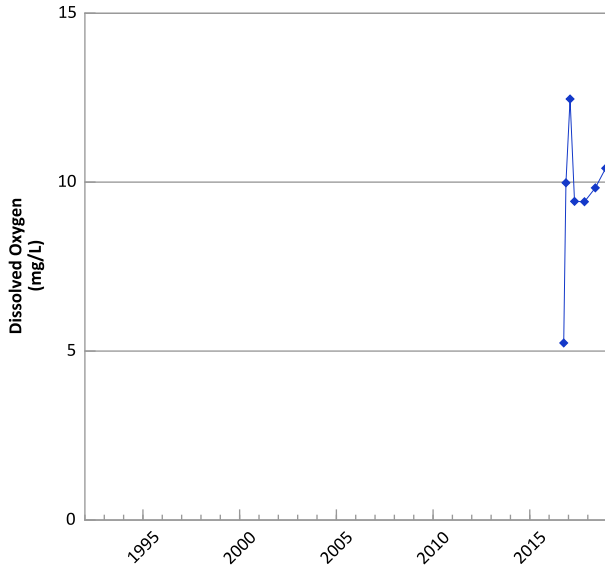
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/09/2015 to 12/03/2018
Analysis Date: 02/14/2019

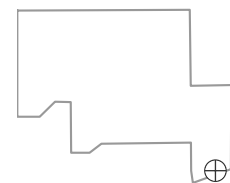
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



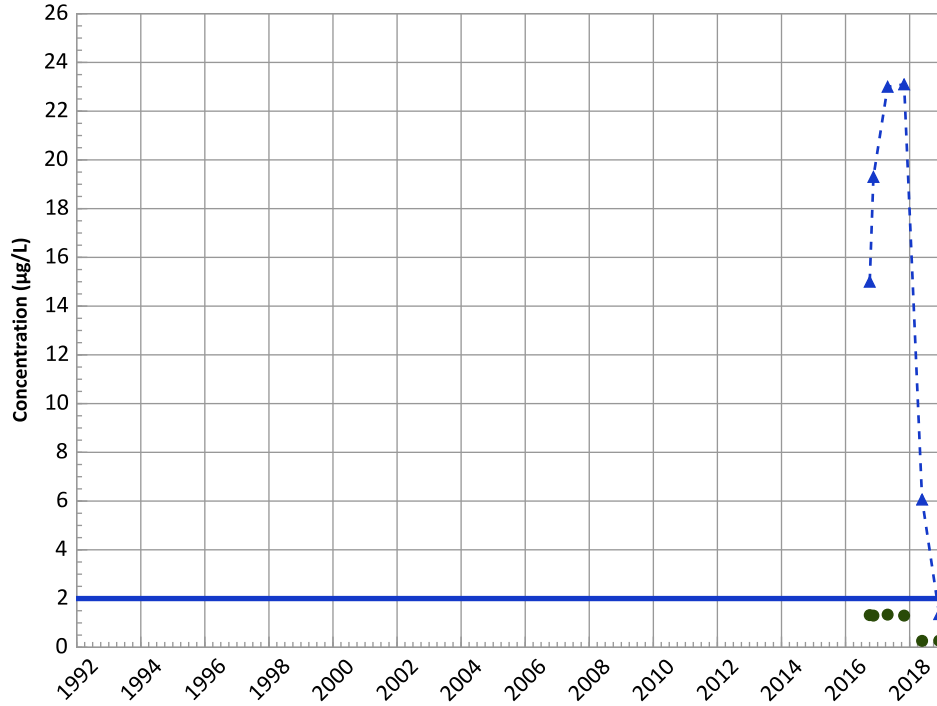
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/03/2016 to 12/04/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

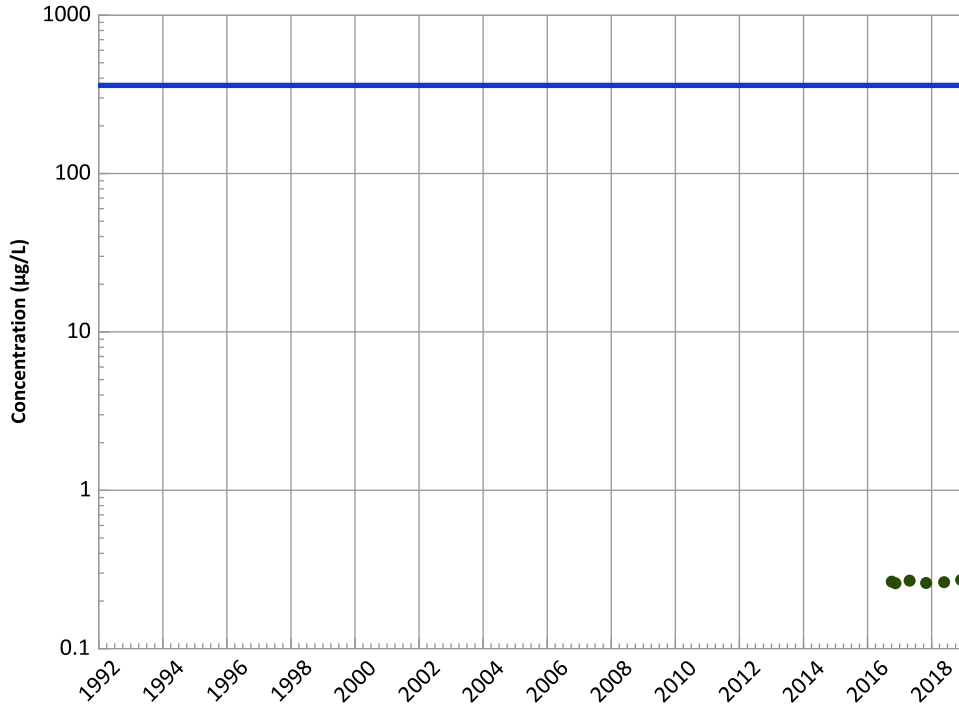


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

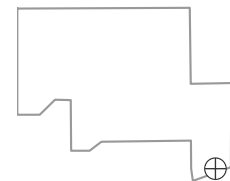


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

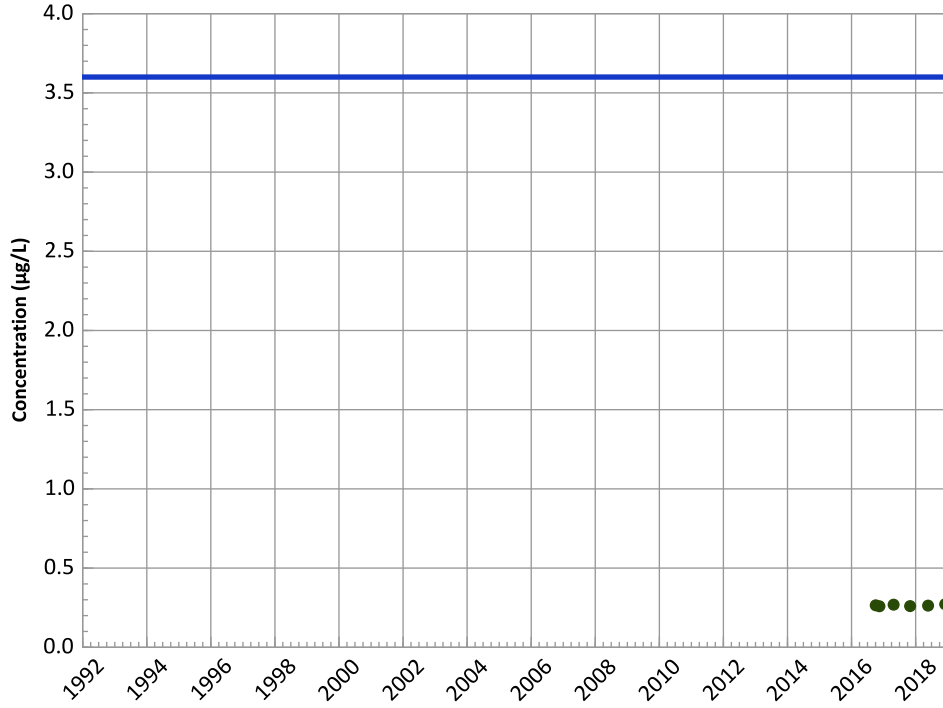


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

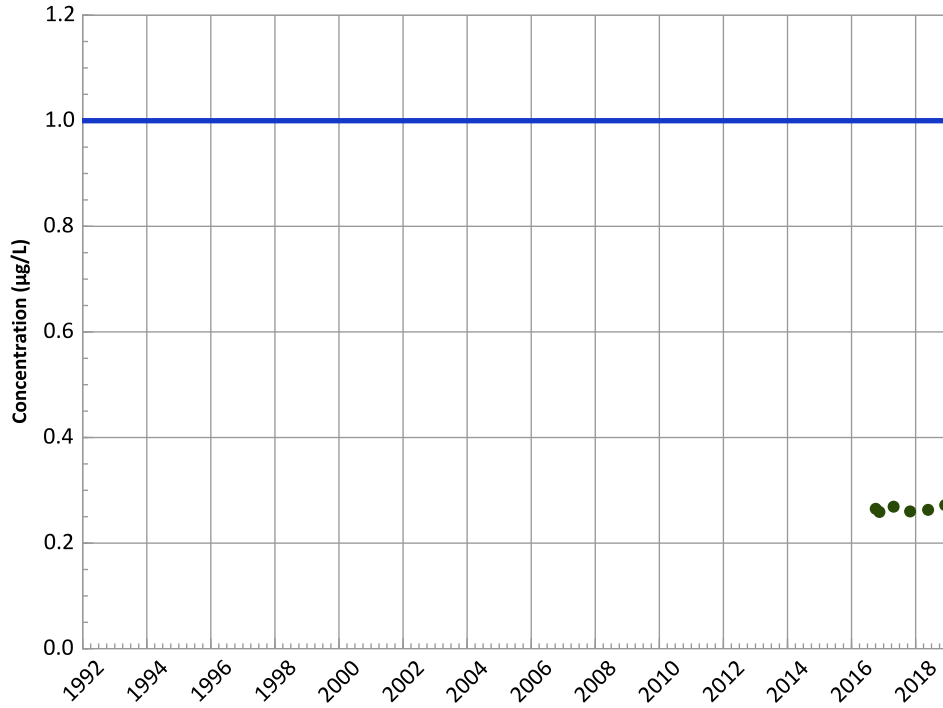


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

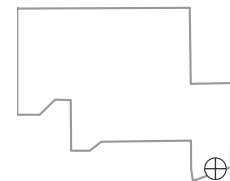


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

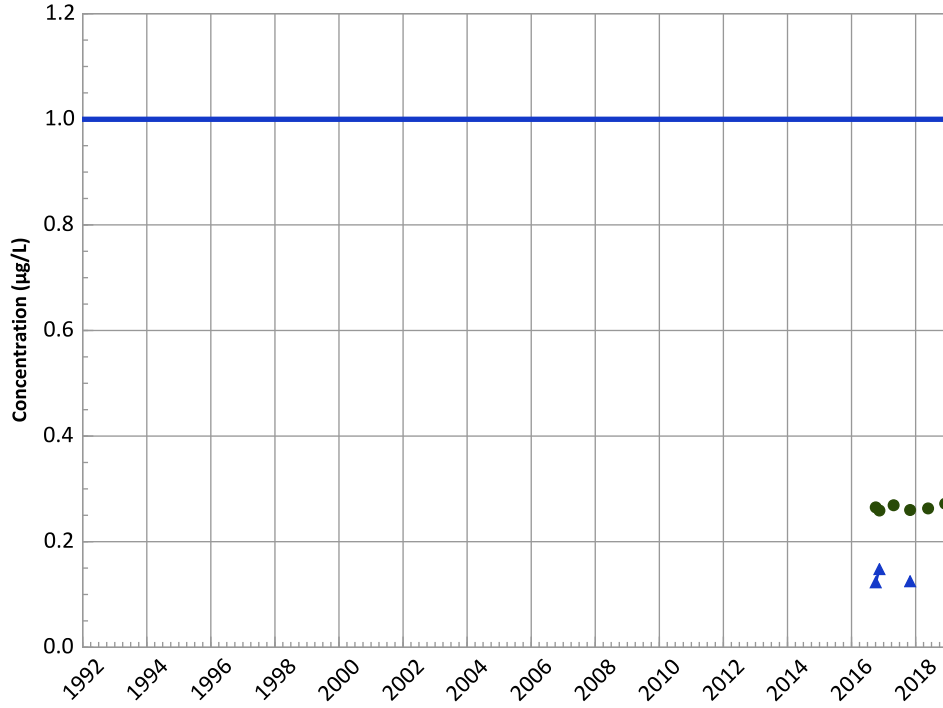


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

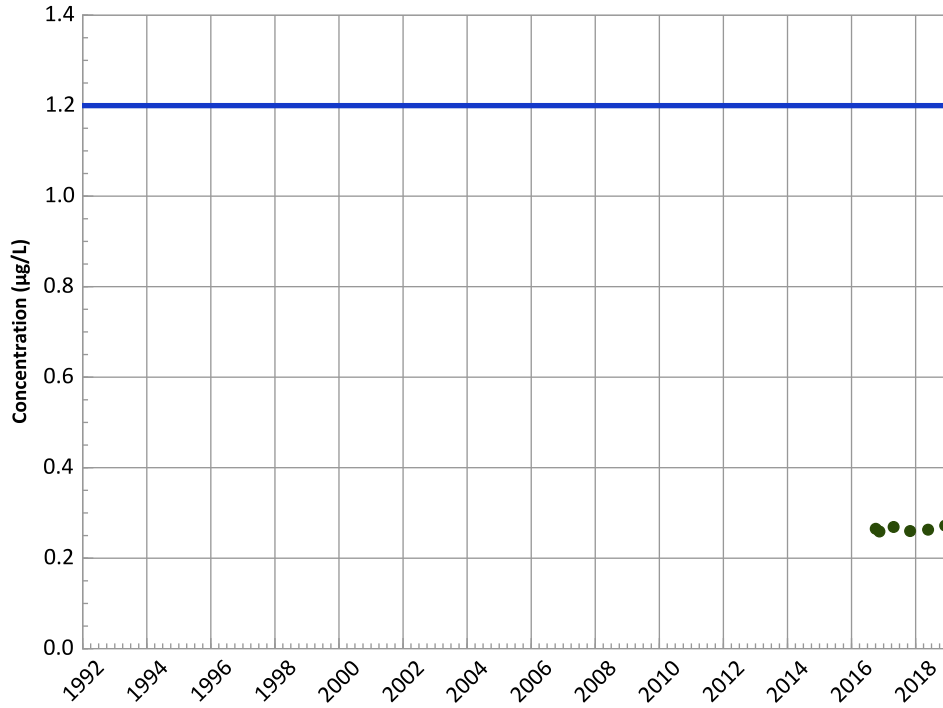


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend

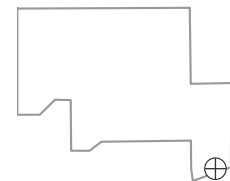


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

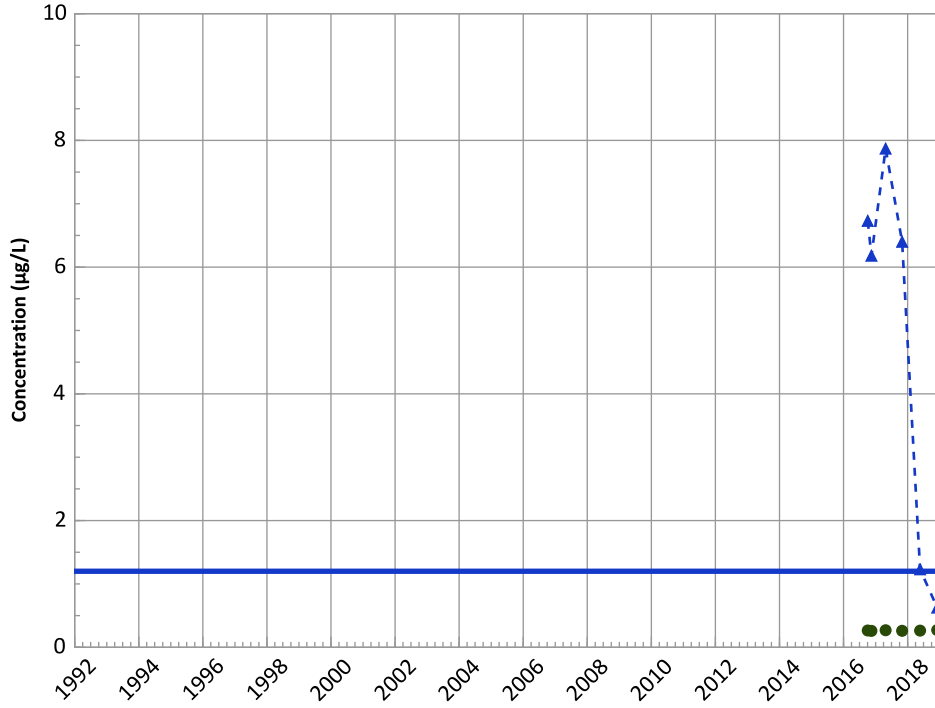


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

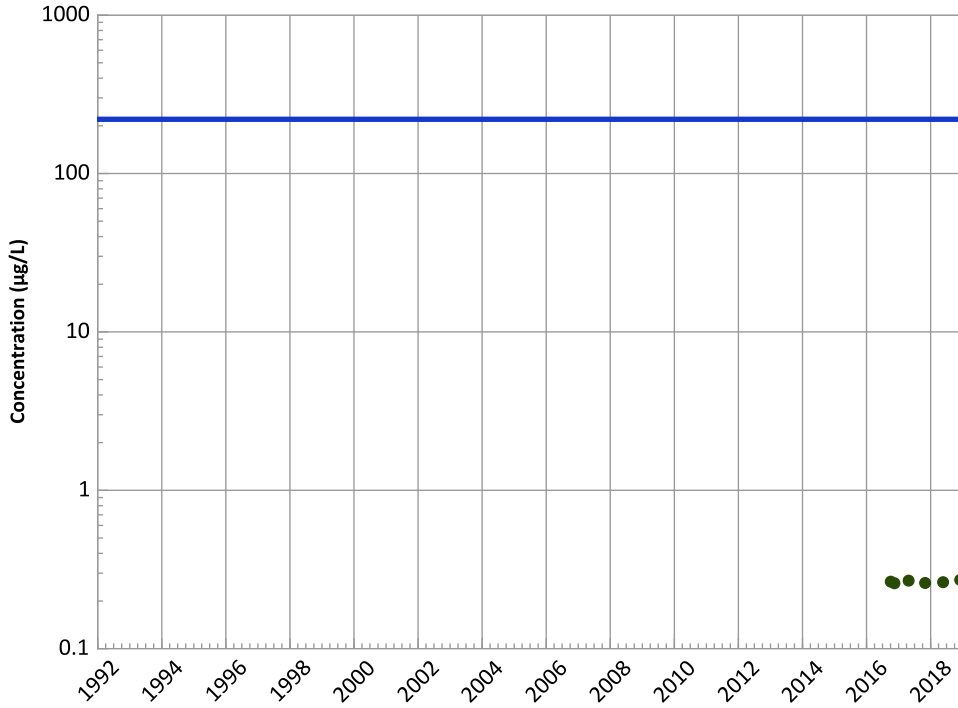


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

1,3,5-Trinitrobenzene Trend

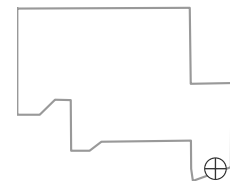


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

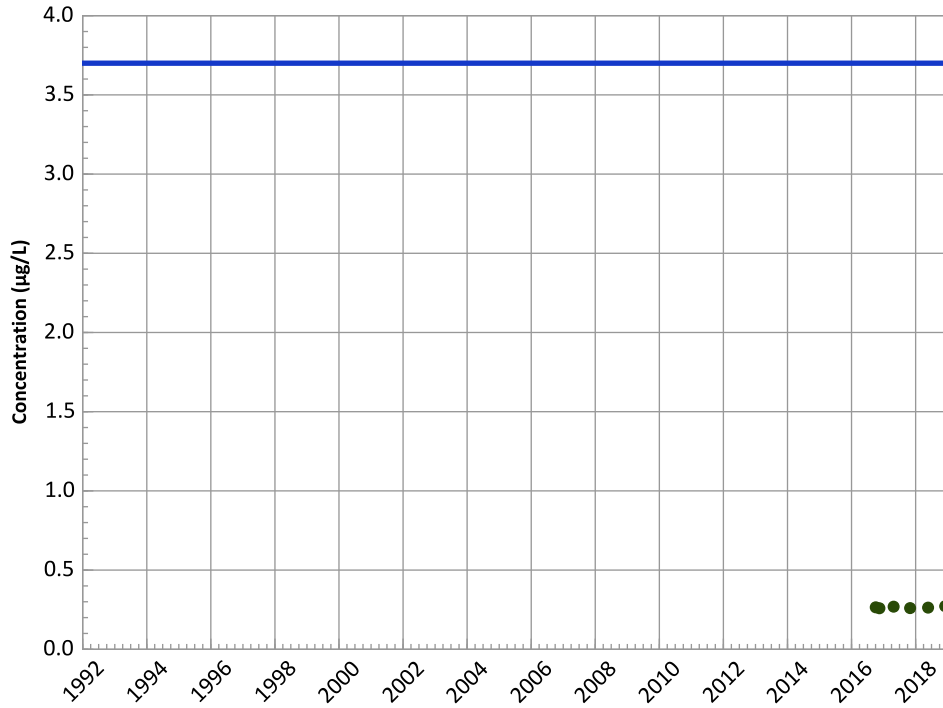


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

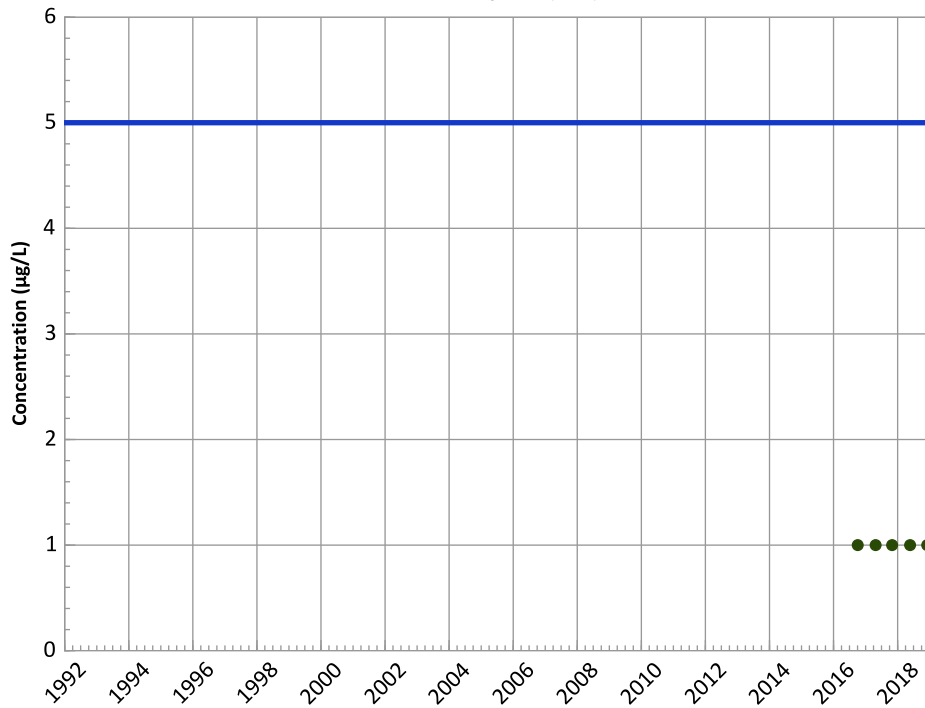


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Tetrachloroethylene (PCE) Trend

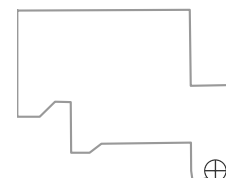


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

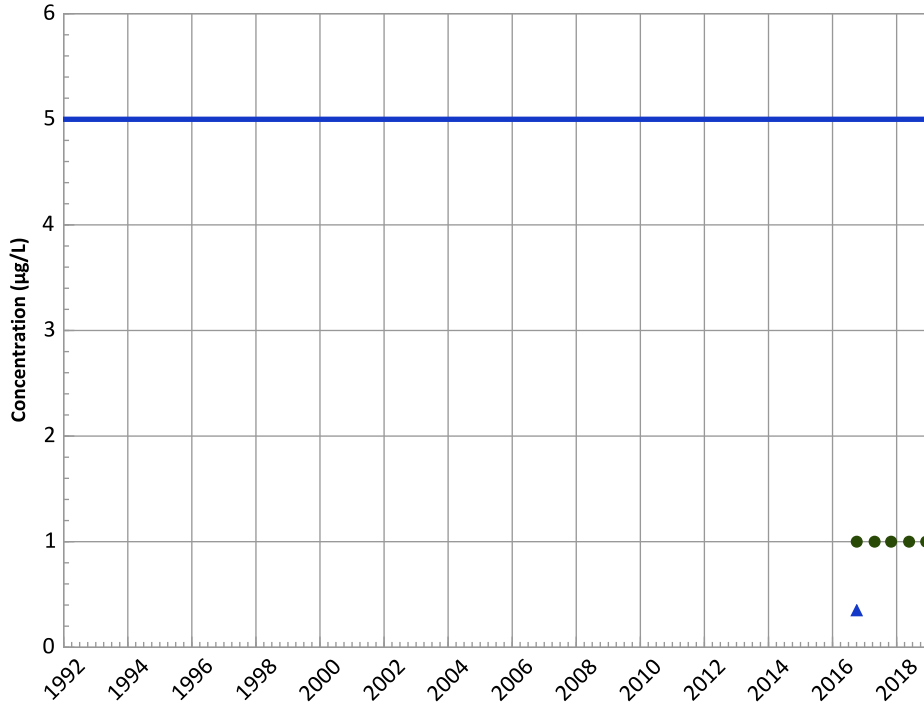


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

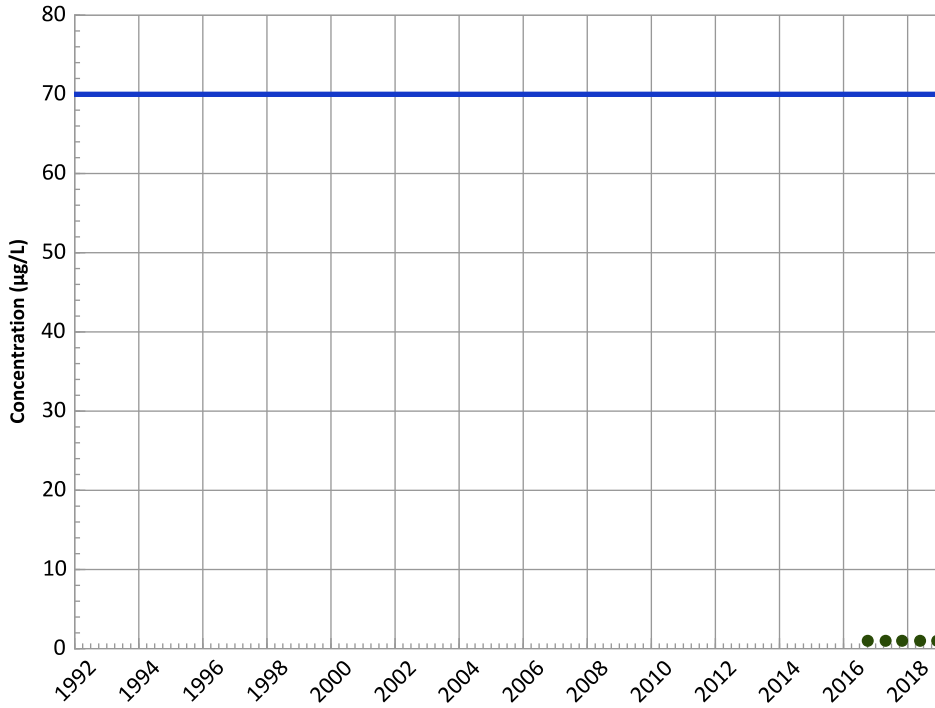


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend

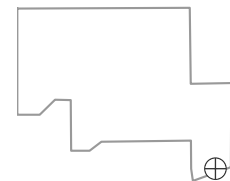


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

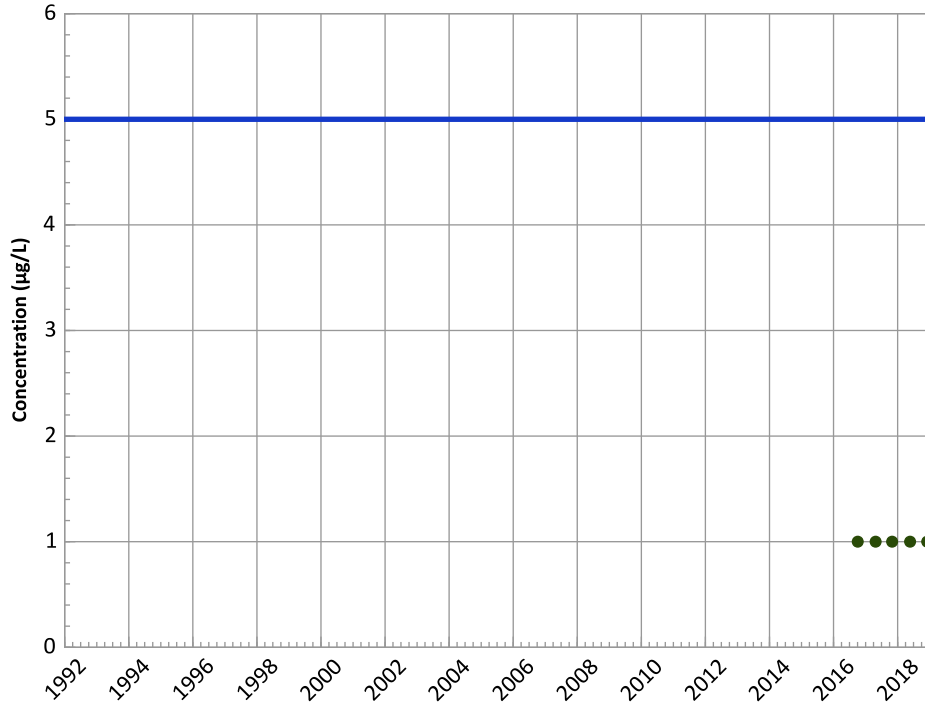
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

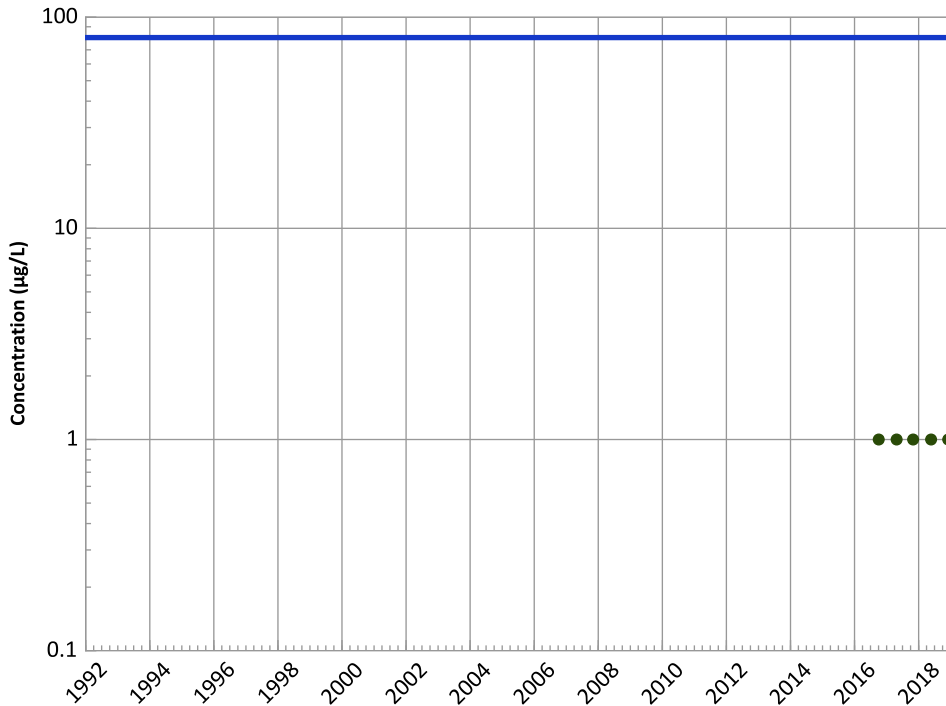


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

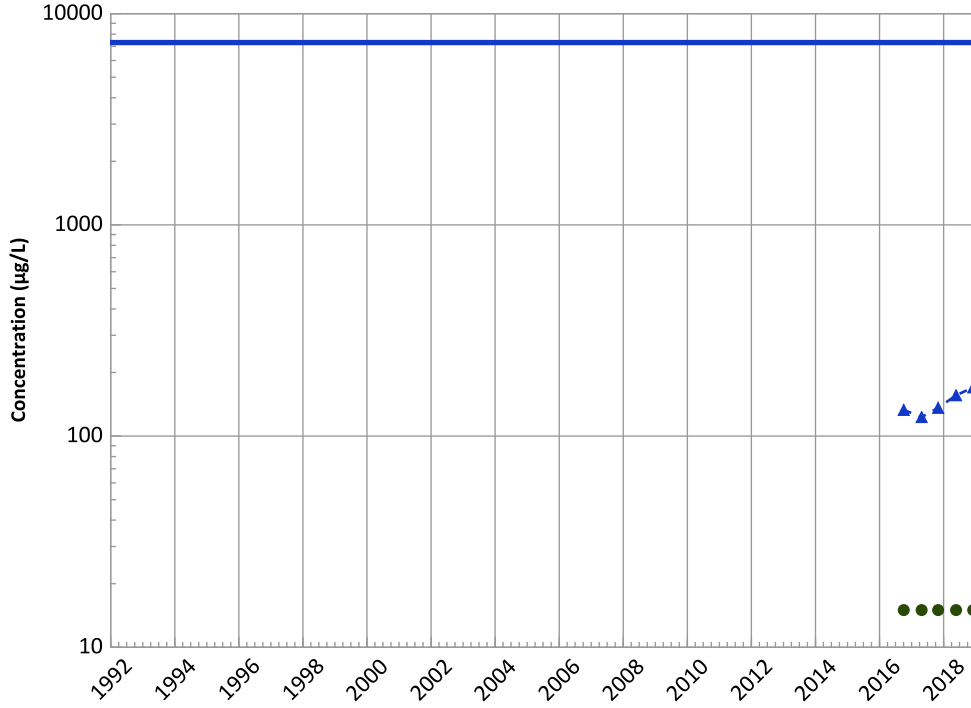


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

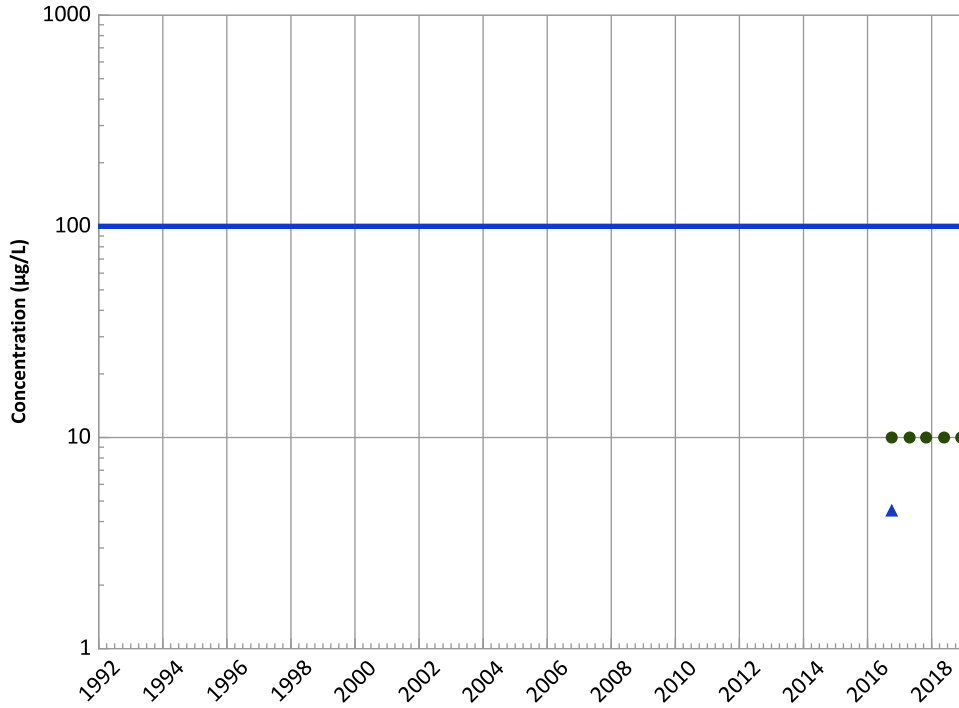


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Chromium, Total Trend

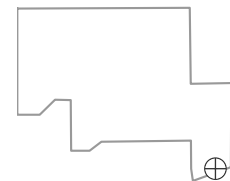


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

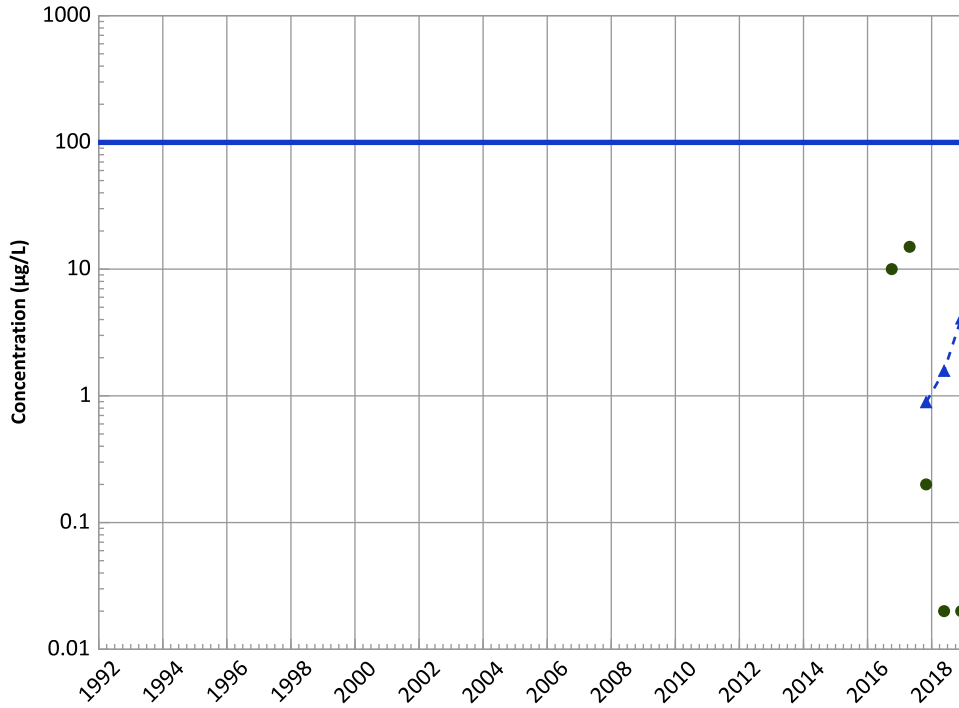
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1182 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**

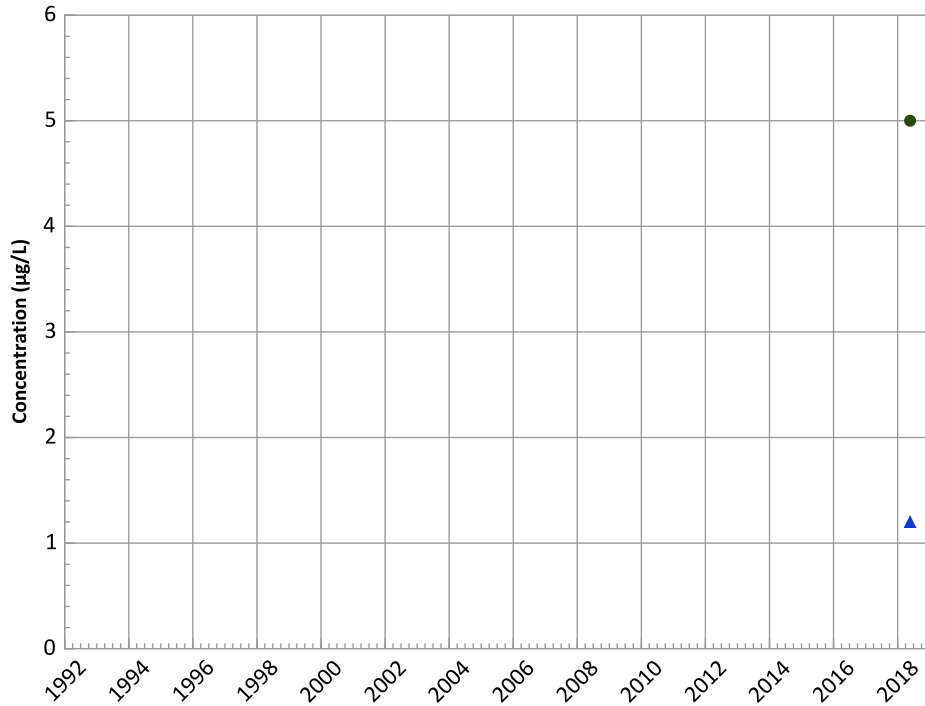


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

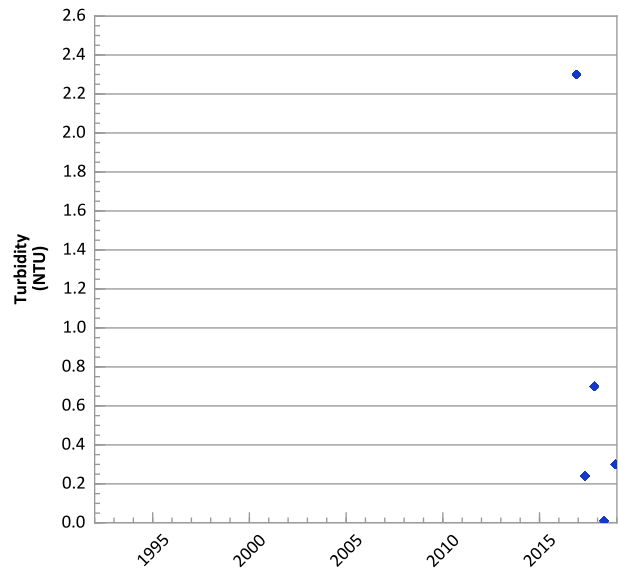
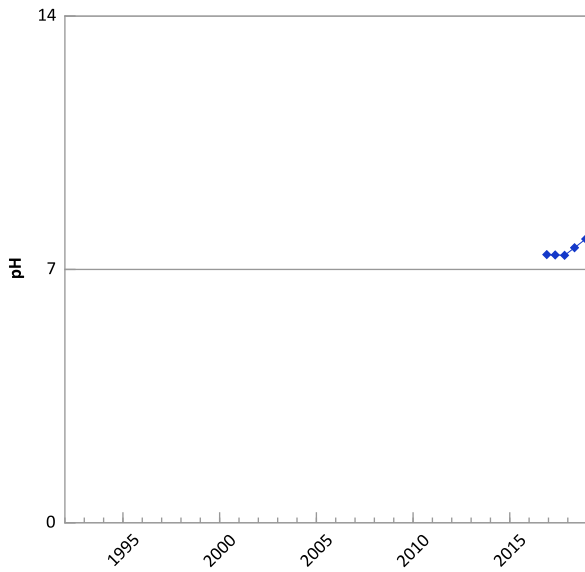
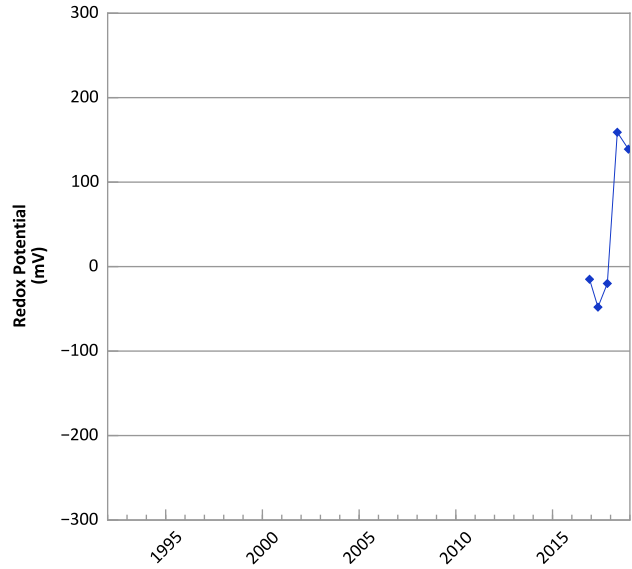
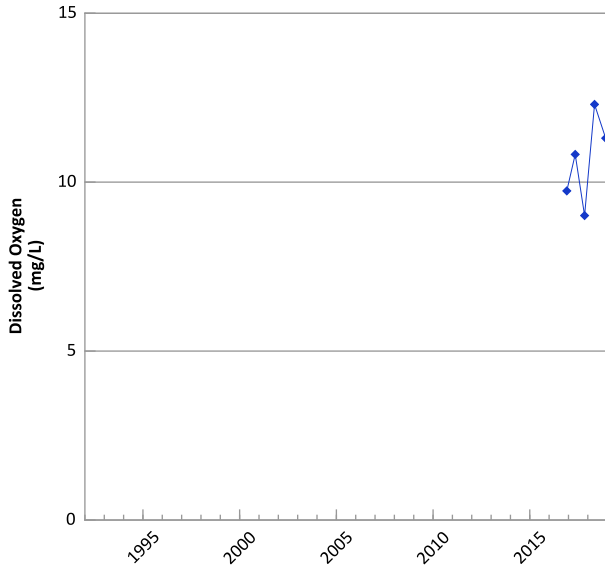
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/03/2016 to 12/04/2018
Analysis Date: 02/14/2019

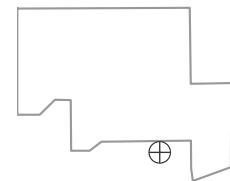
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



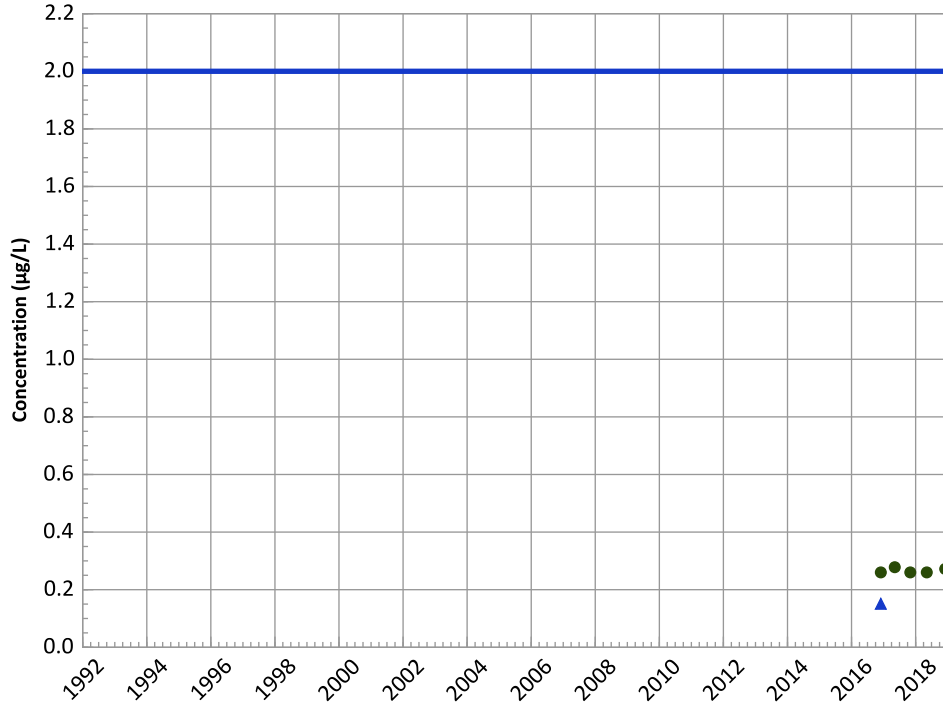
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/30/2016 to 12/04/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

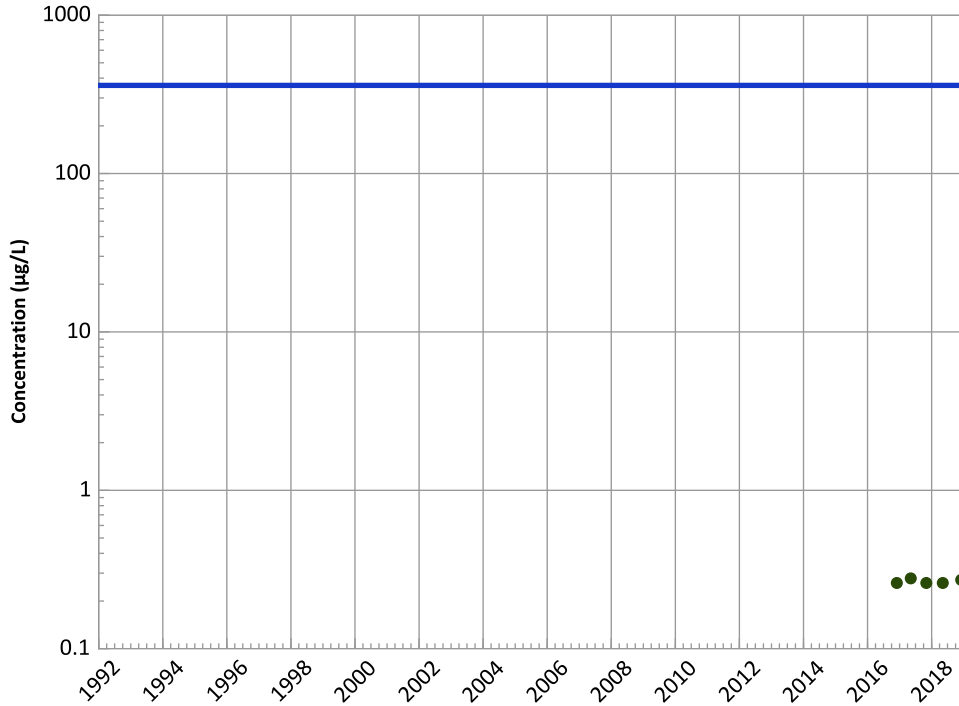


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

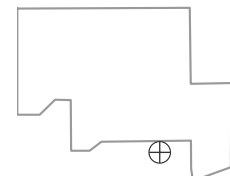


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

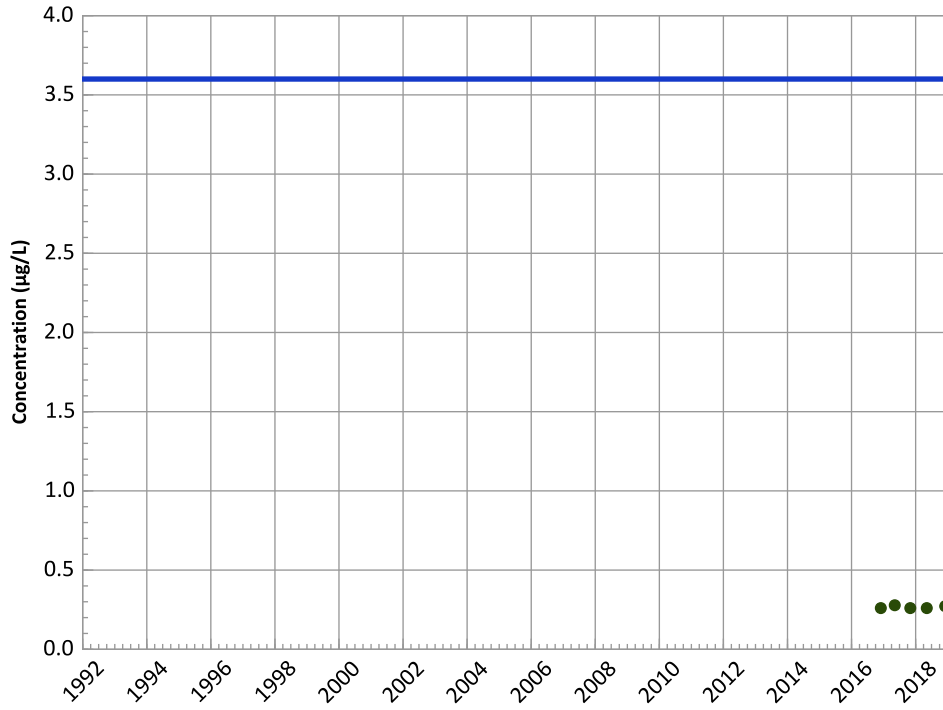


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

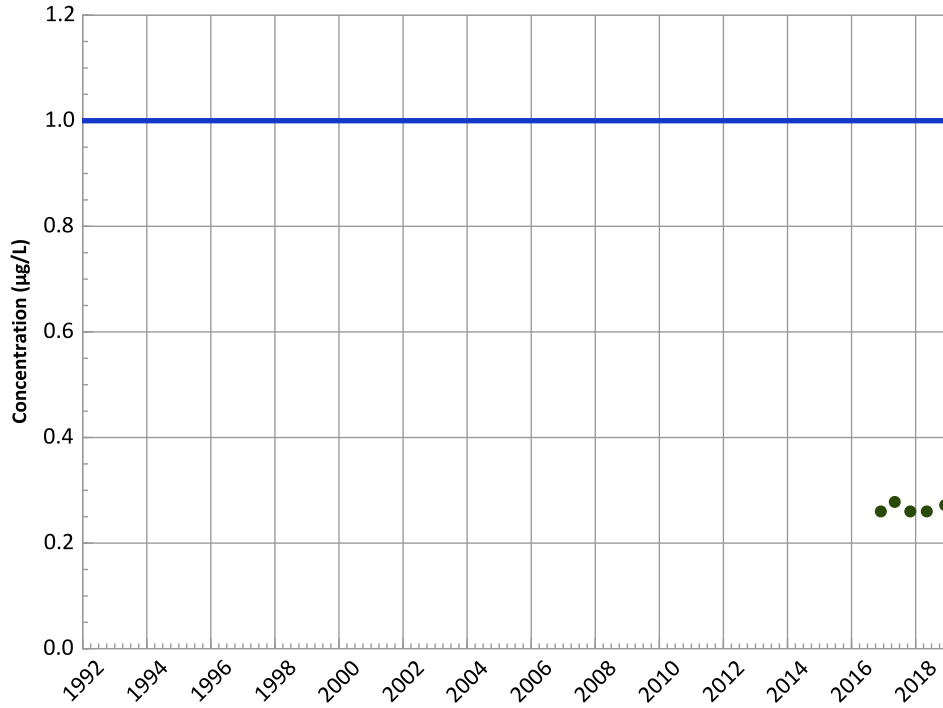
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

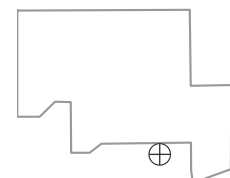
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

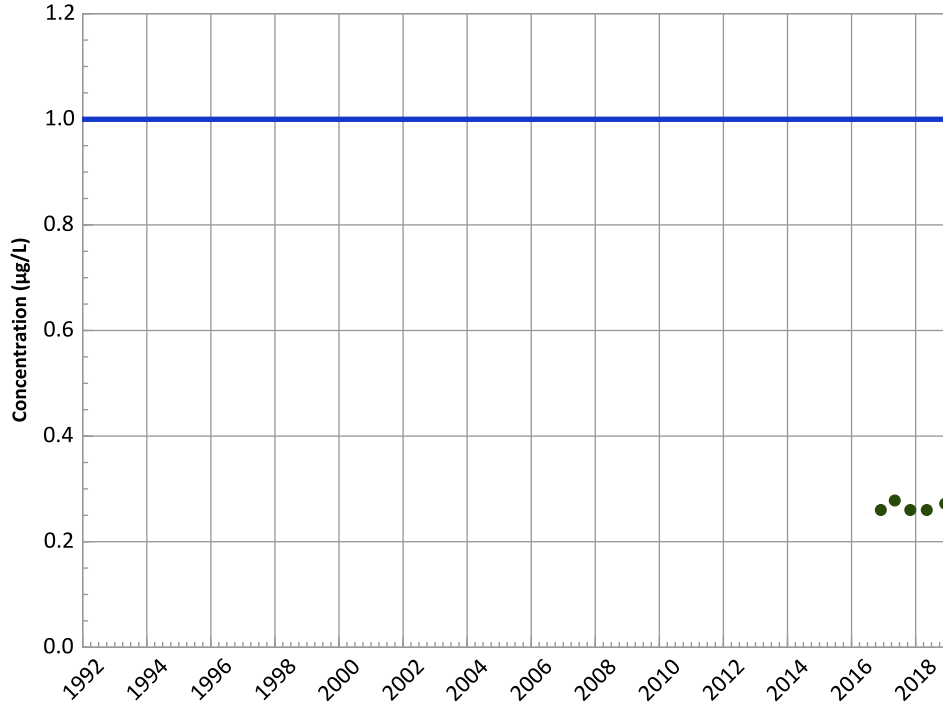


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

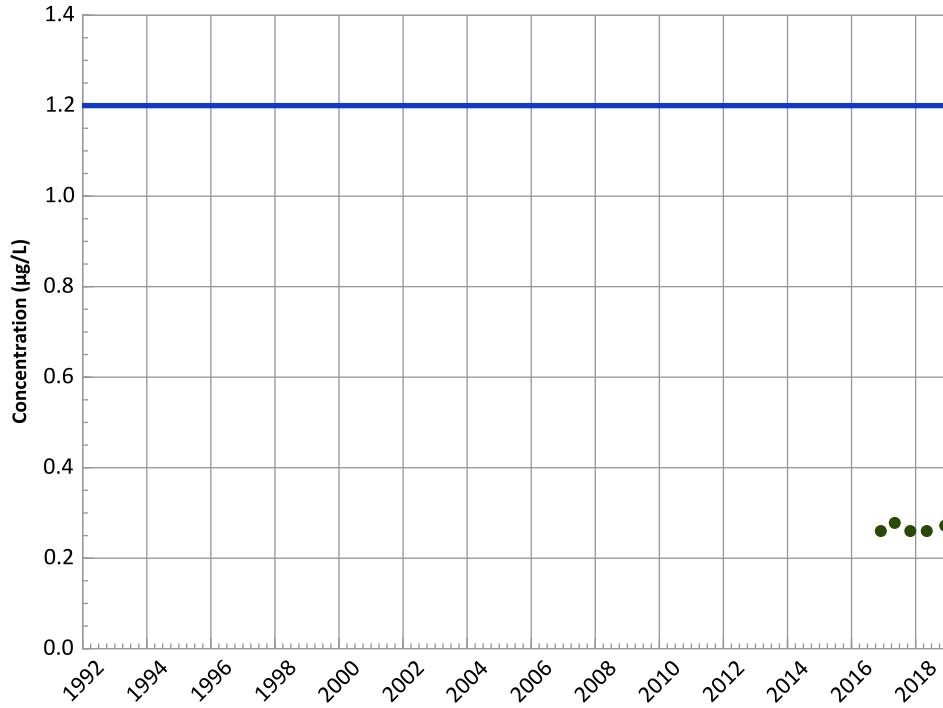


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

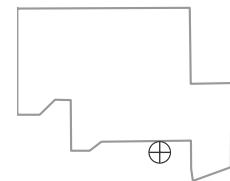


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

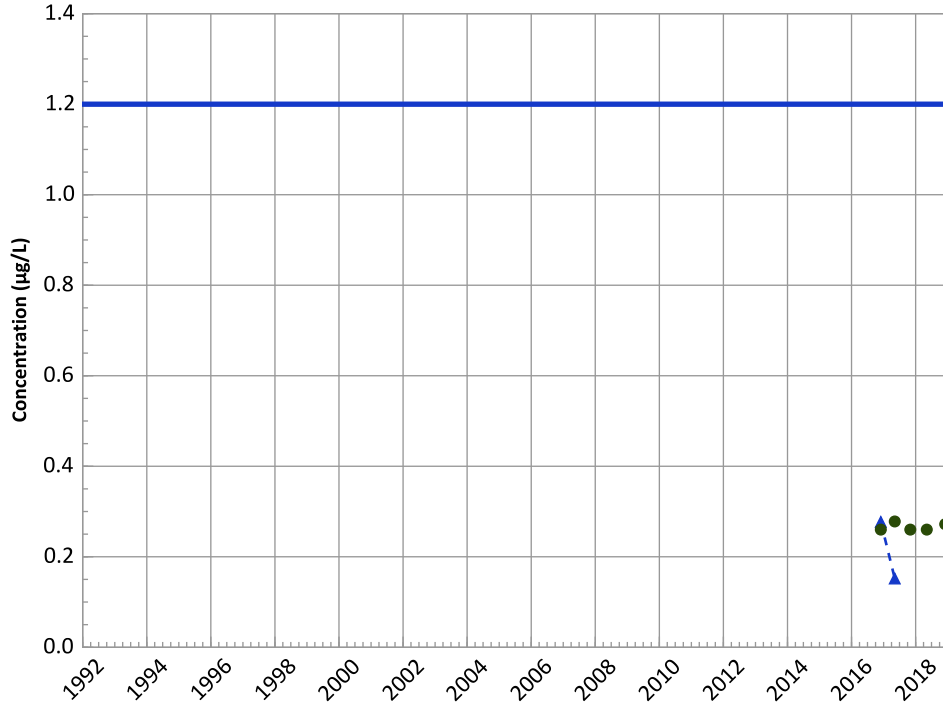


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

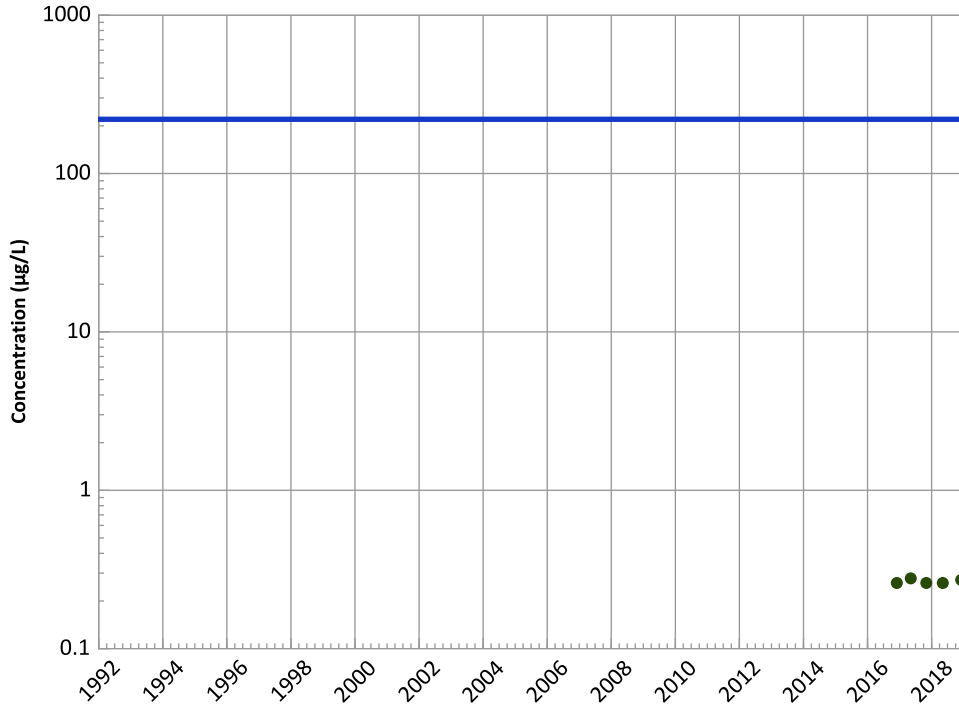


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

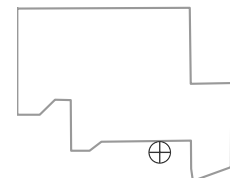
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

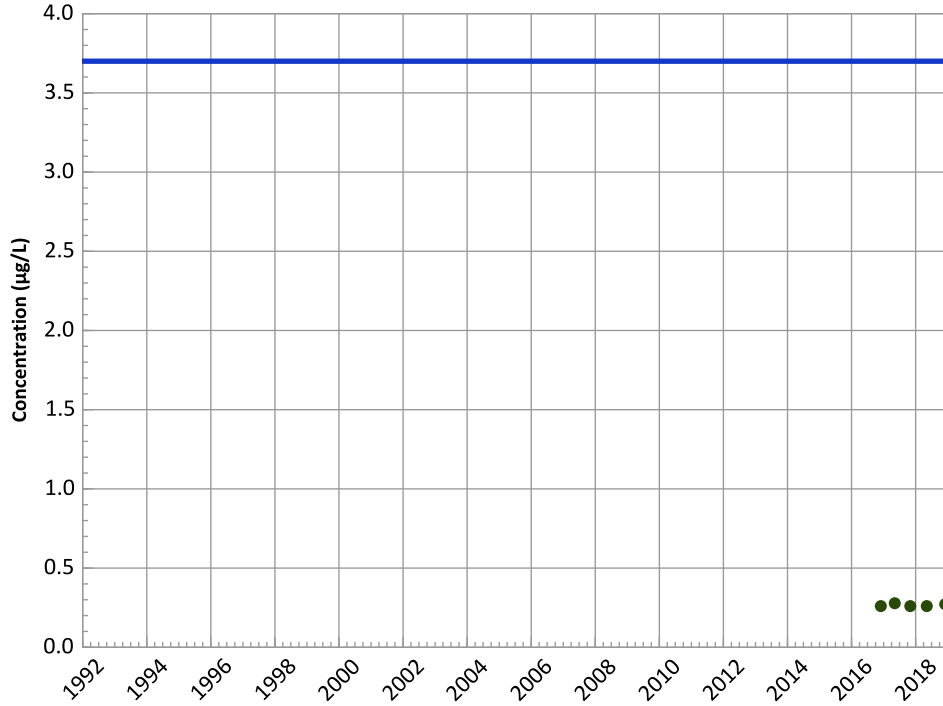
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

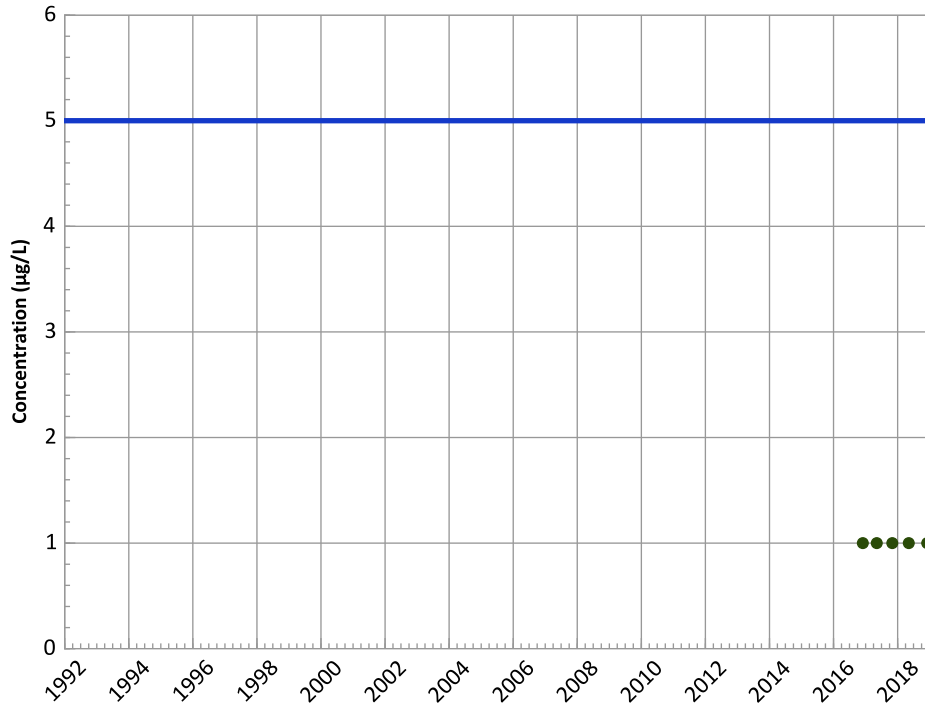


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Tetrachloroethylene (PCE) Trend

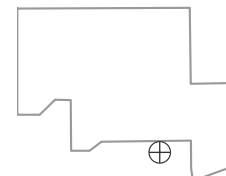


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

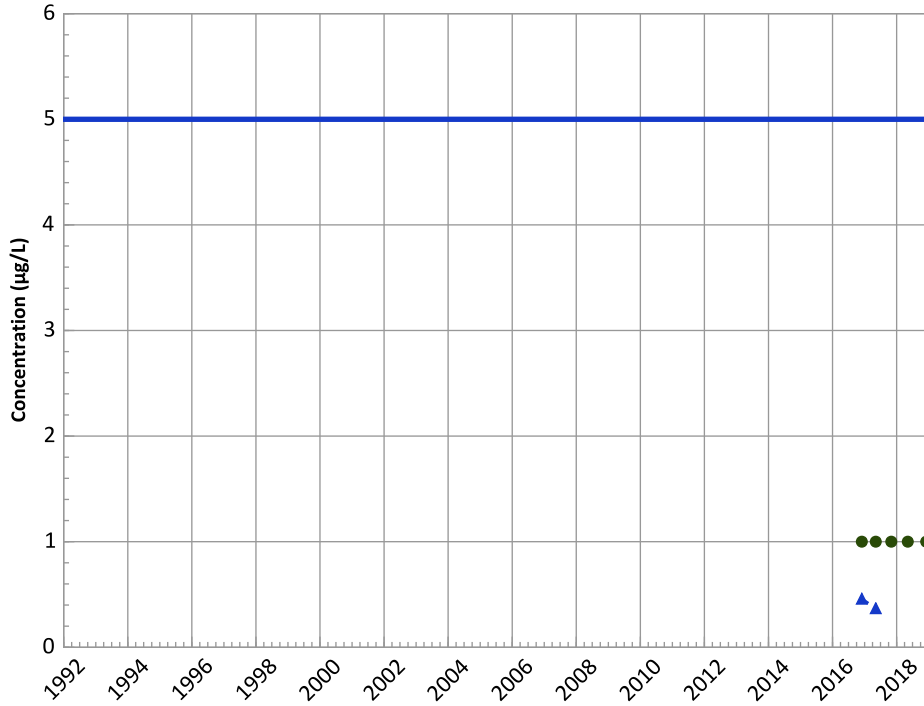


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

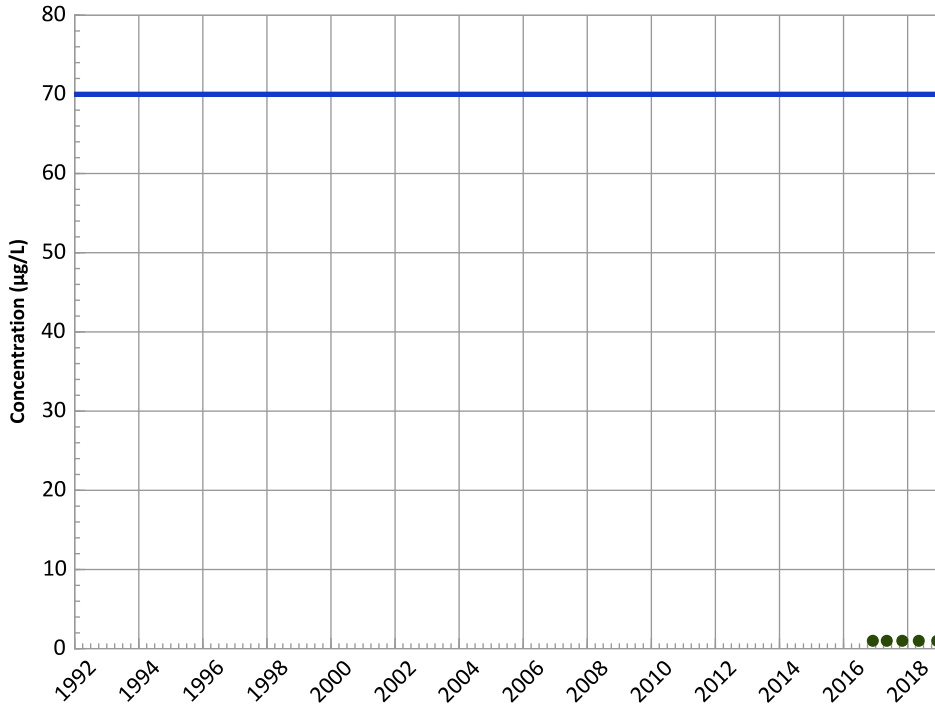


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend

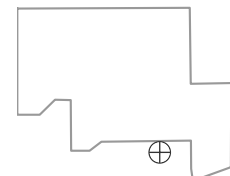


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

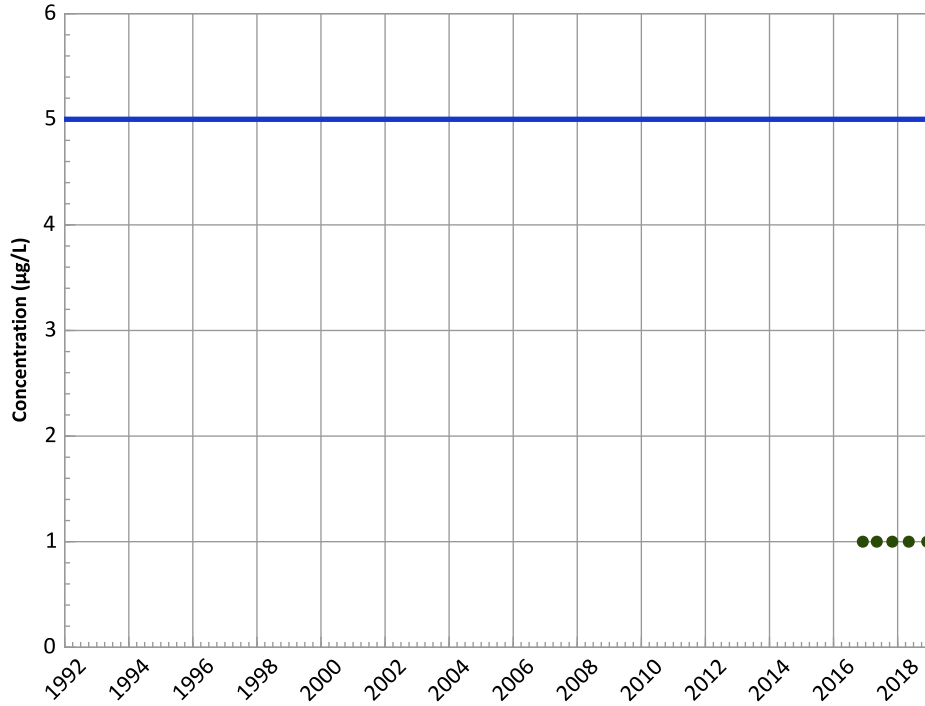
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

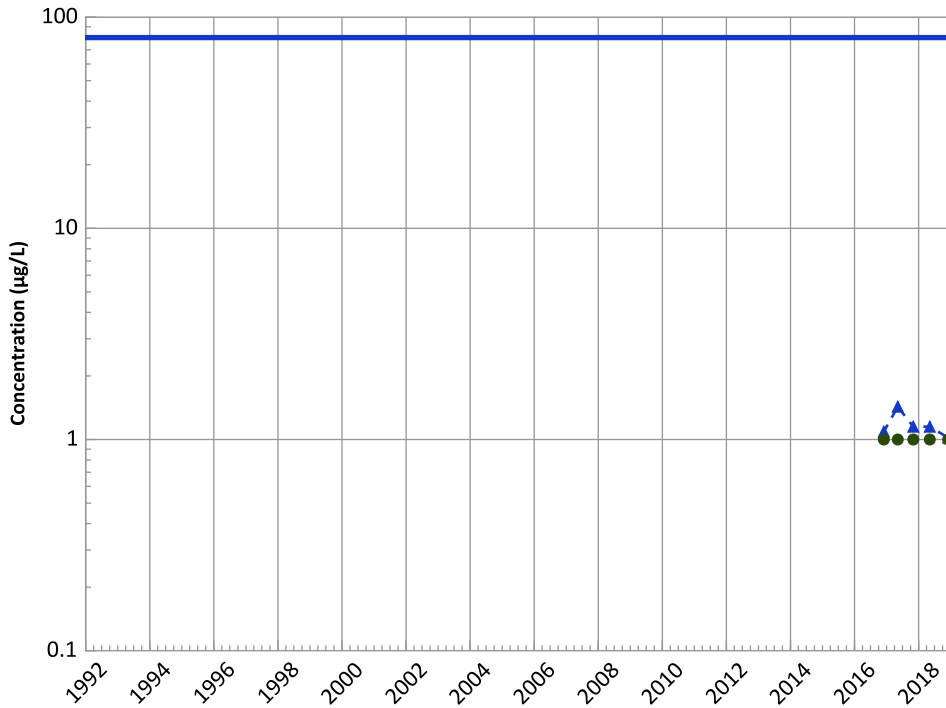


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend

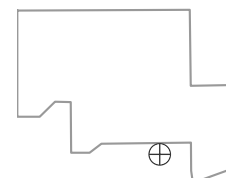


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Well Location

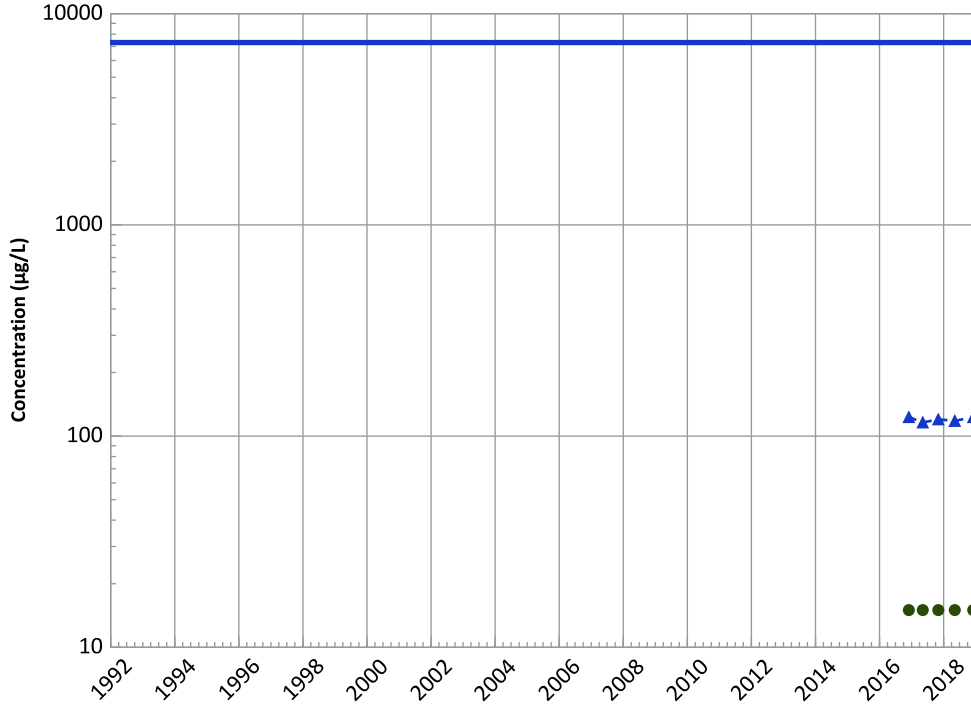


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

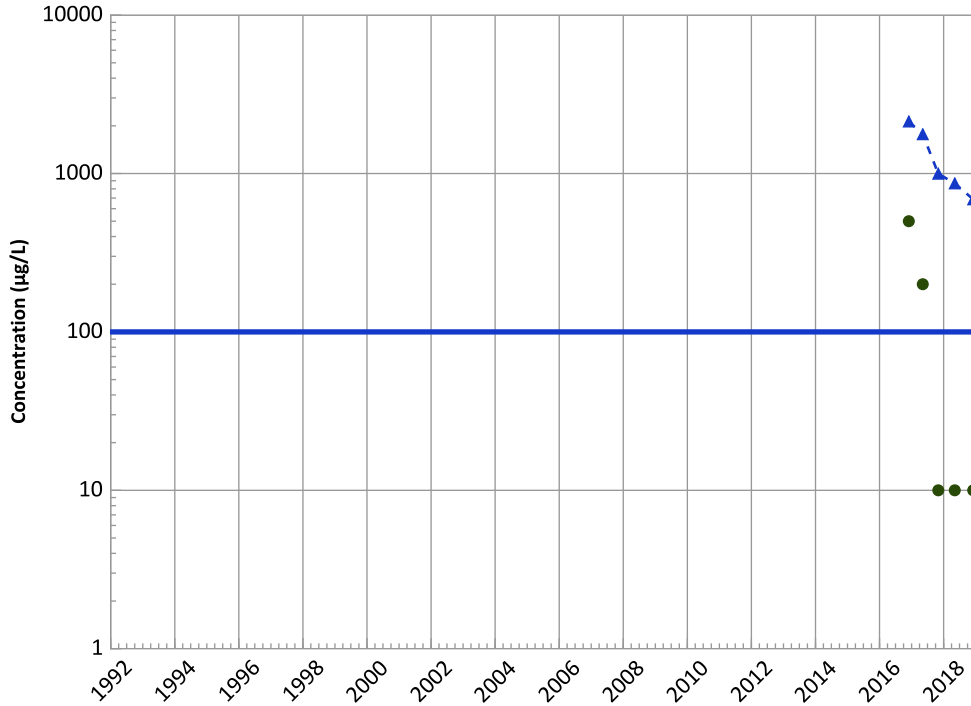


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Chromium, Total Trend

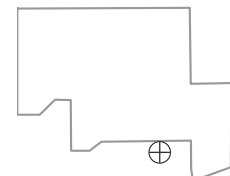


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

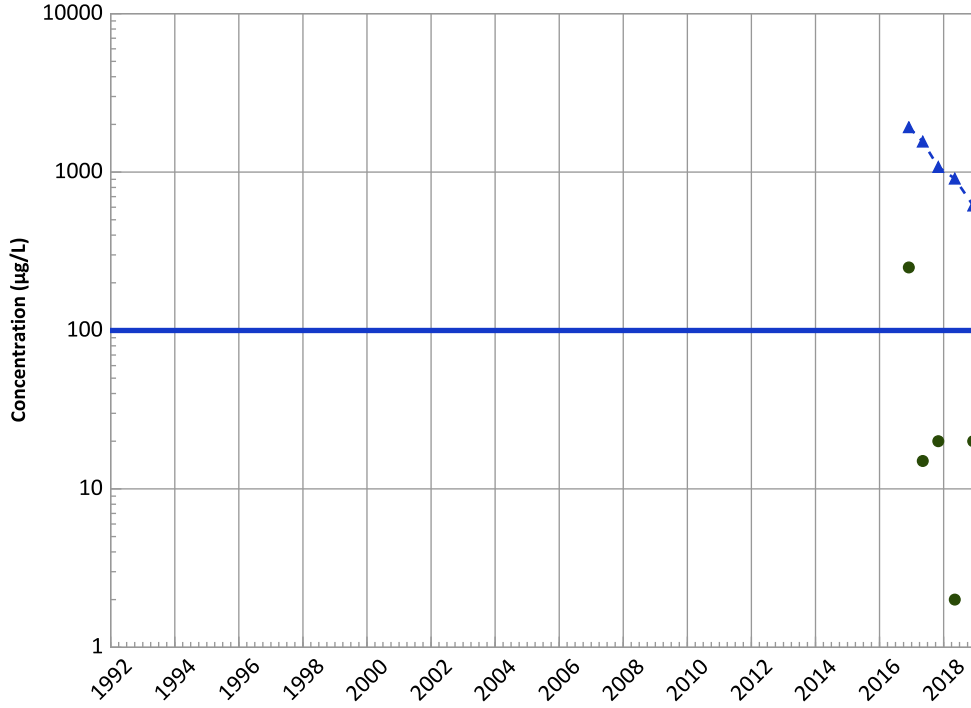


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

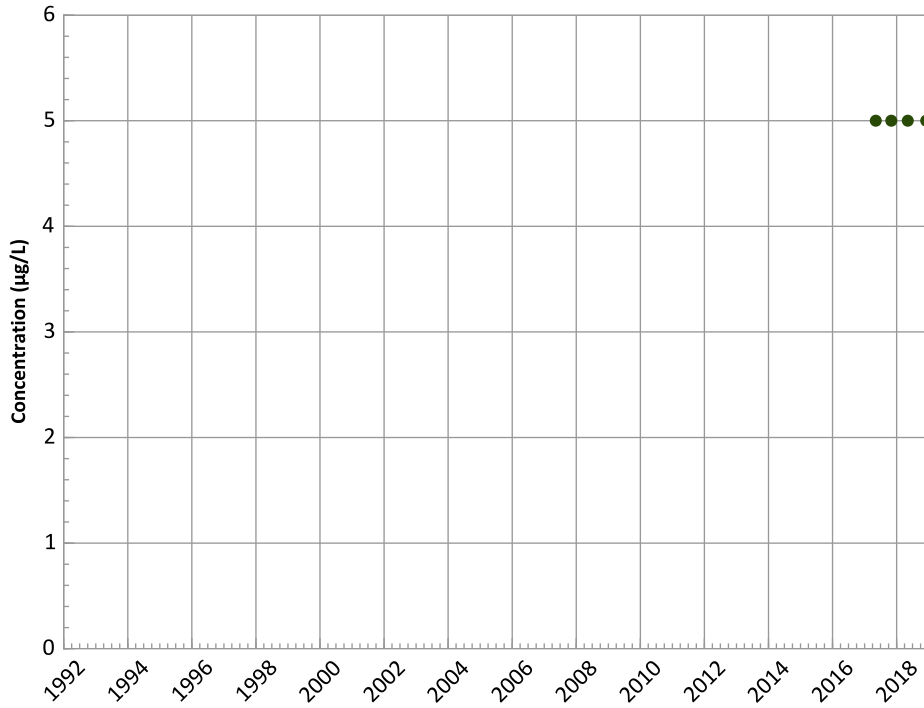


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend

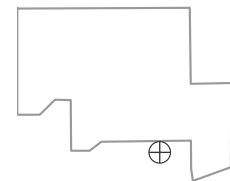


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

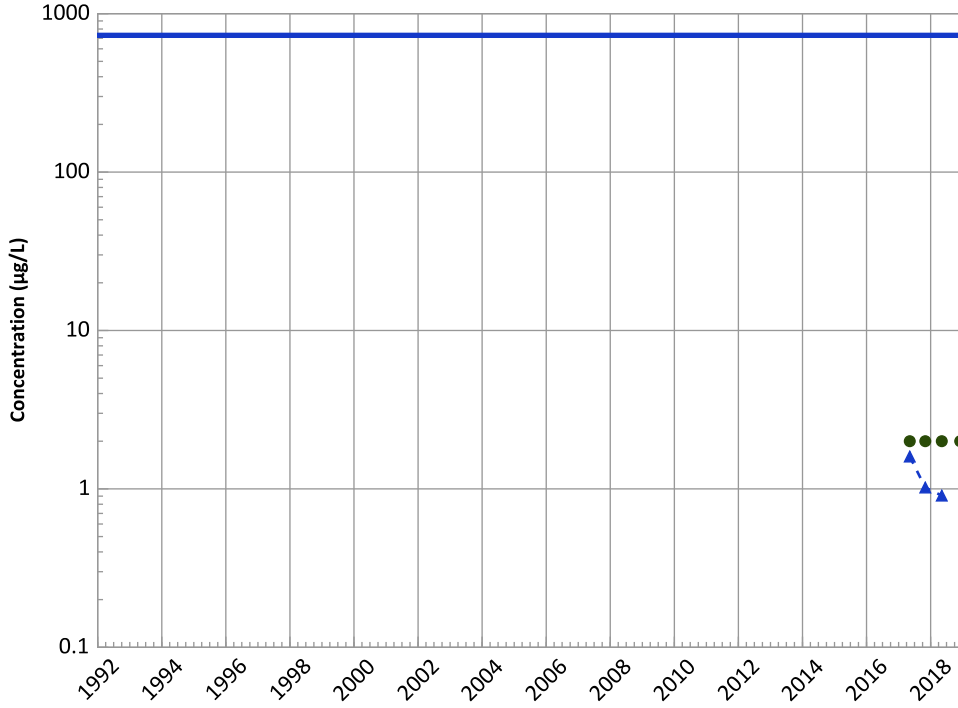


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1183 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend

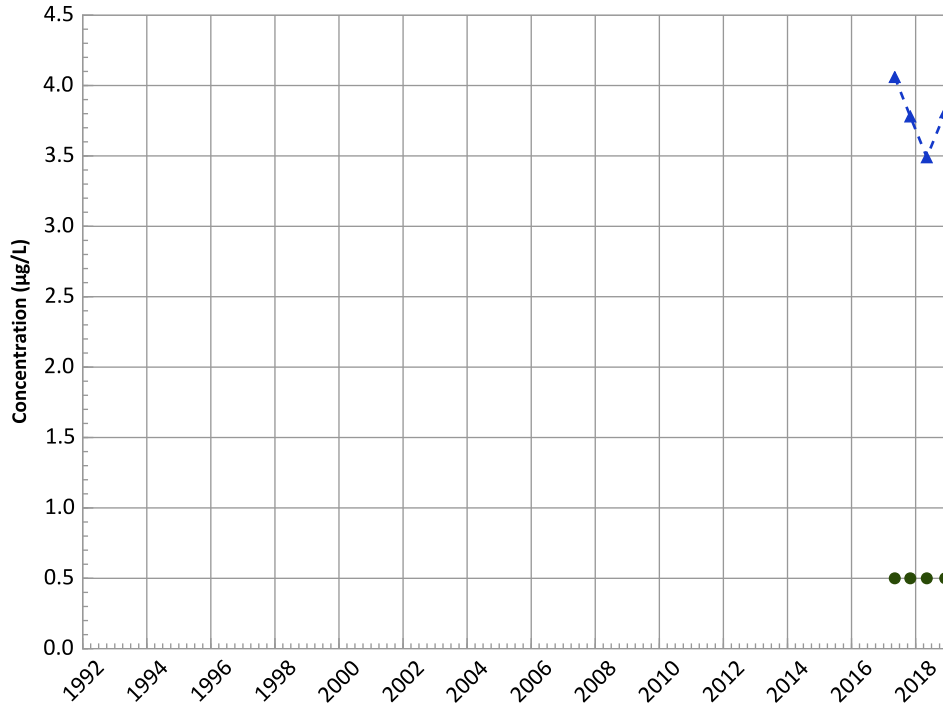


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Molybdenum Trend

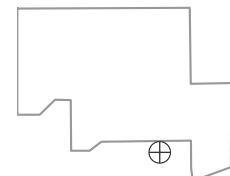


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Stable

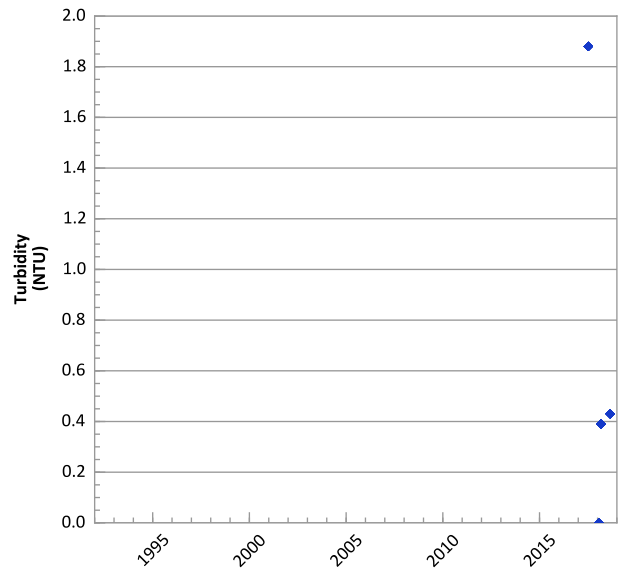
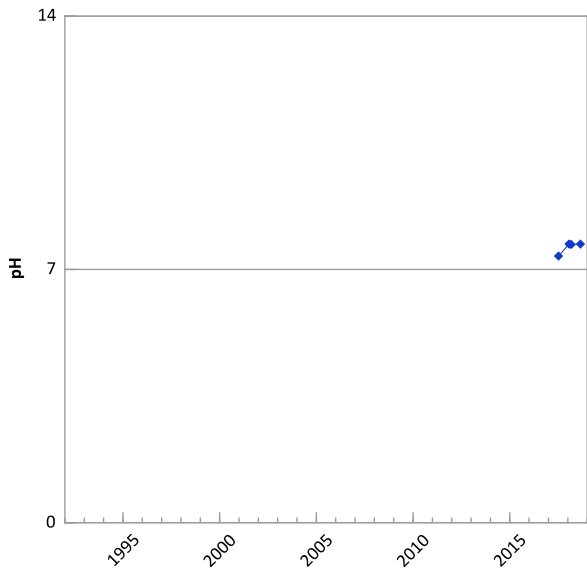
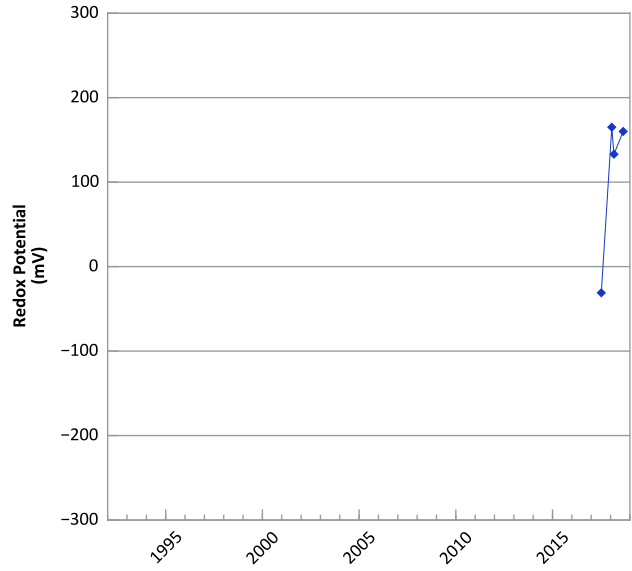
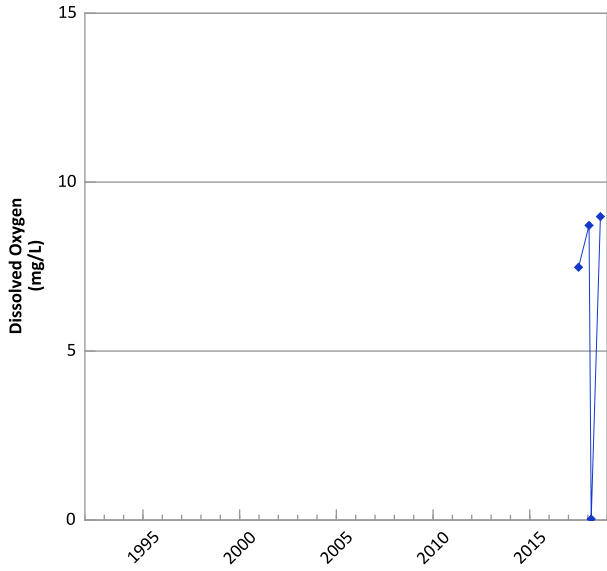
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/30/2016 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



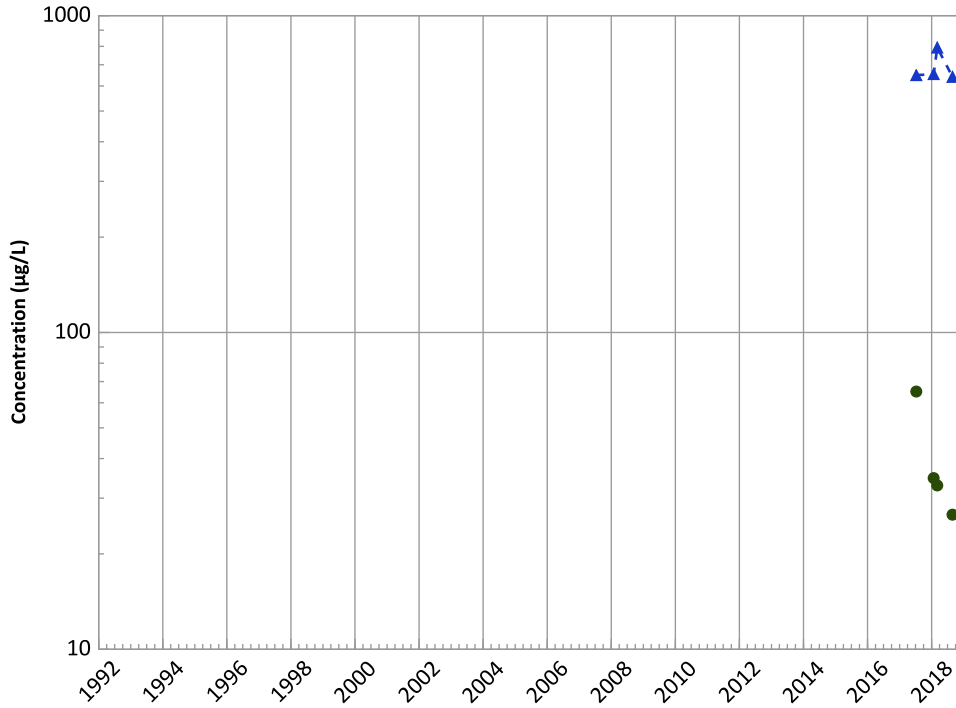
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 07/10/2017 to 08/27/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

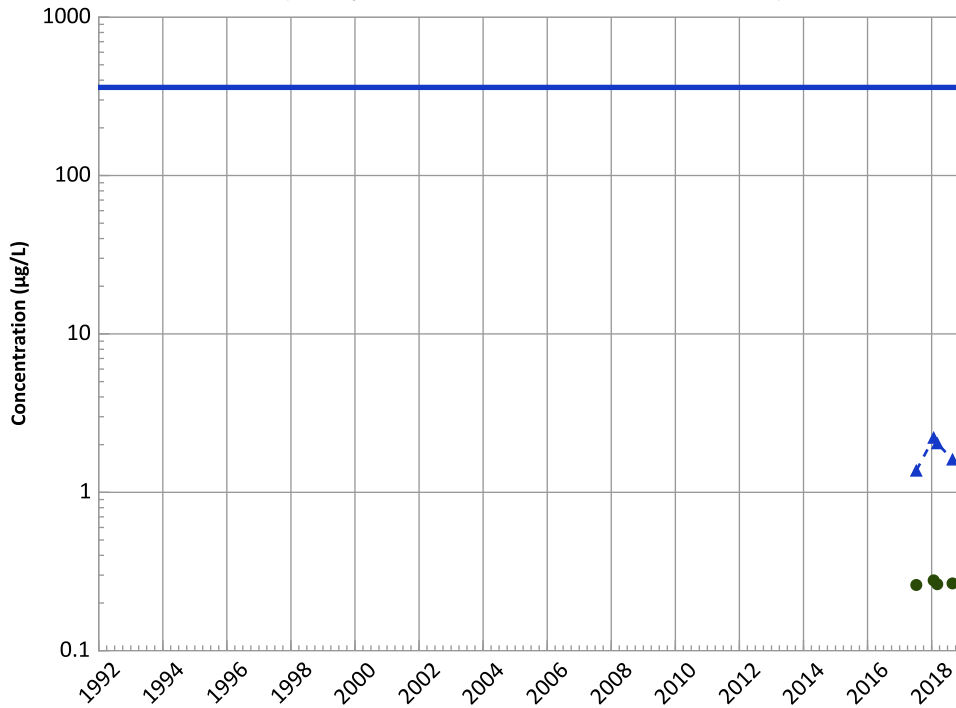


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Stable

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
No Trend

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

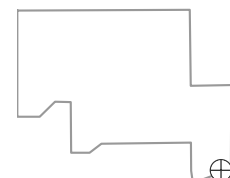


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Stable

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
No Trend

Well Location

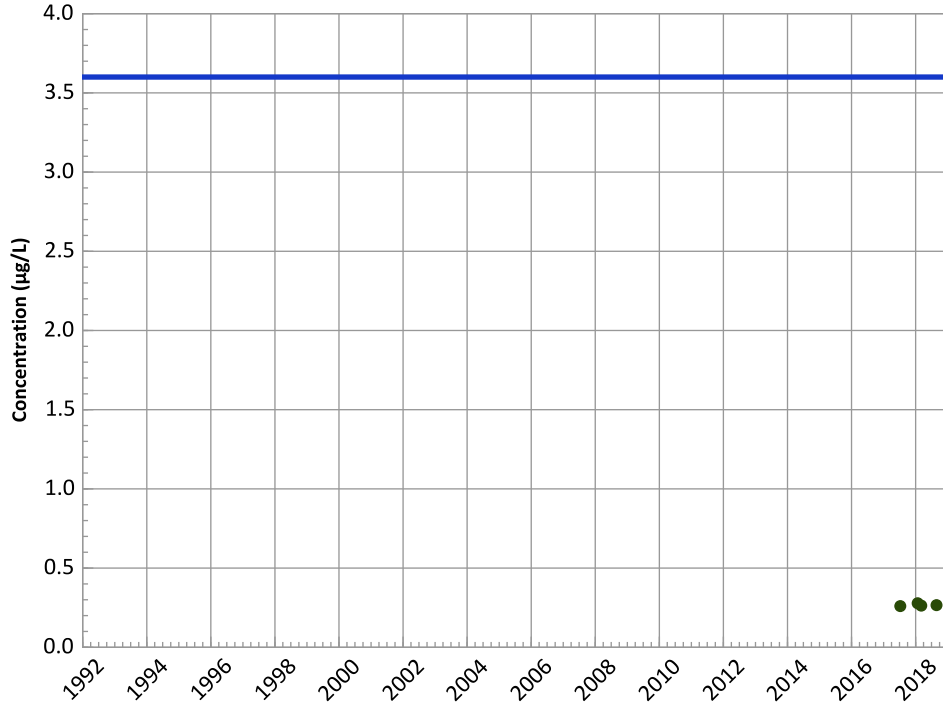


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

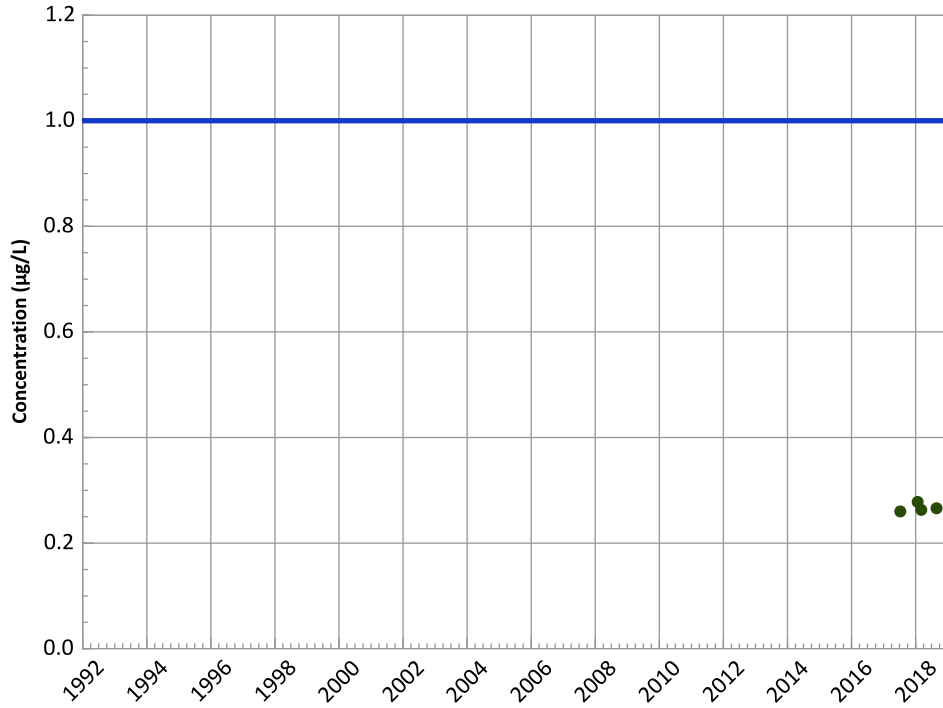


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

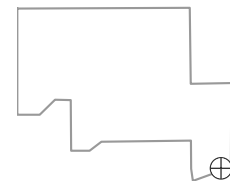


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

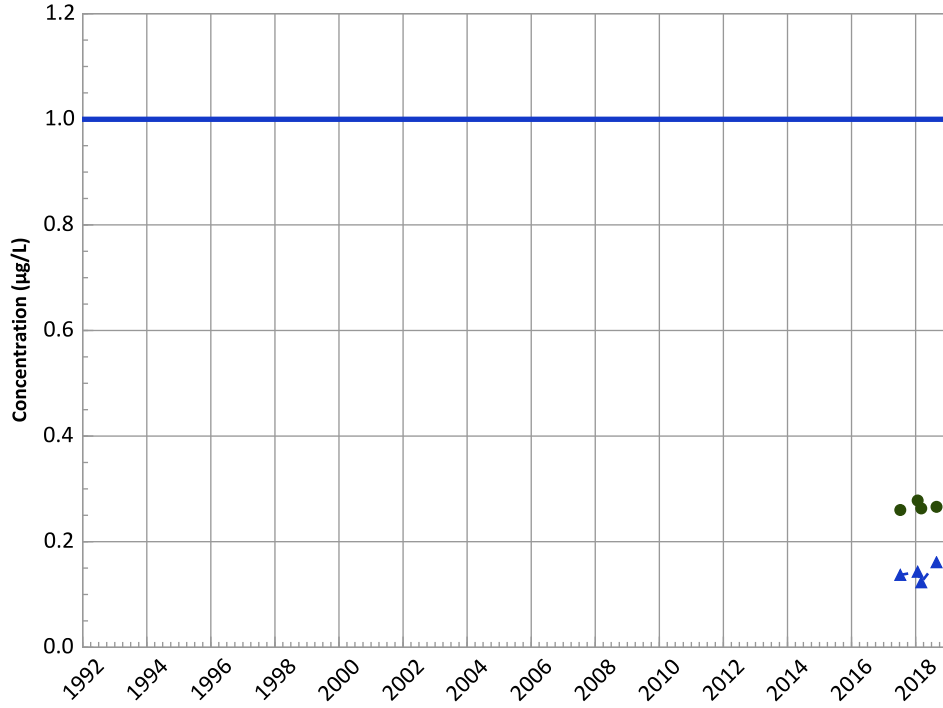


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

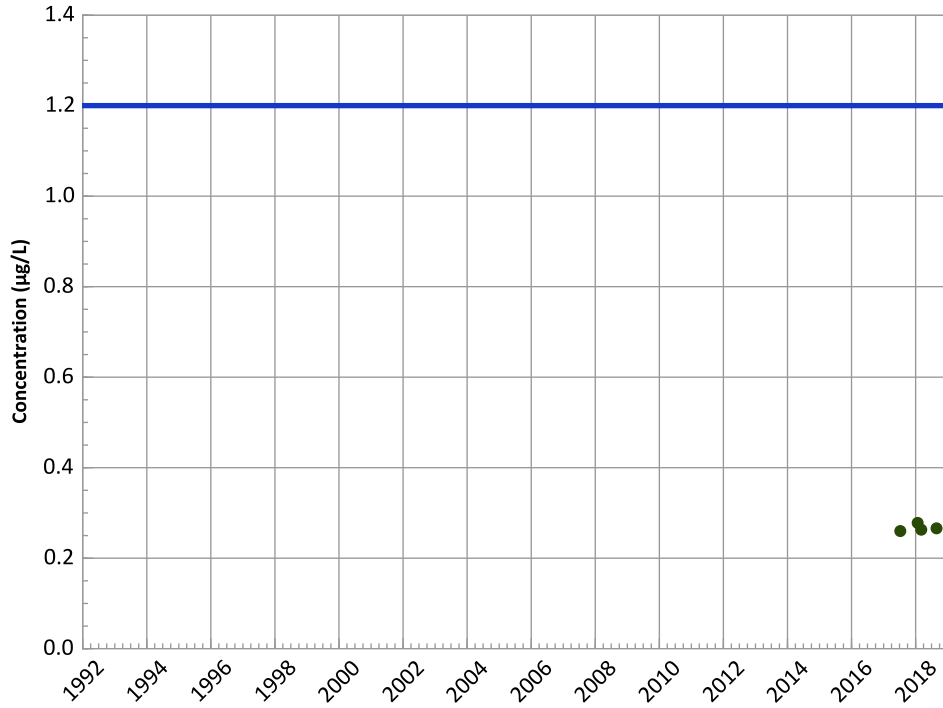


Concentration Trend

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

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

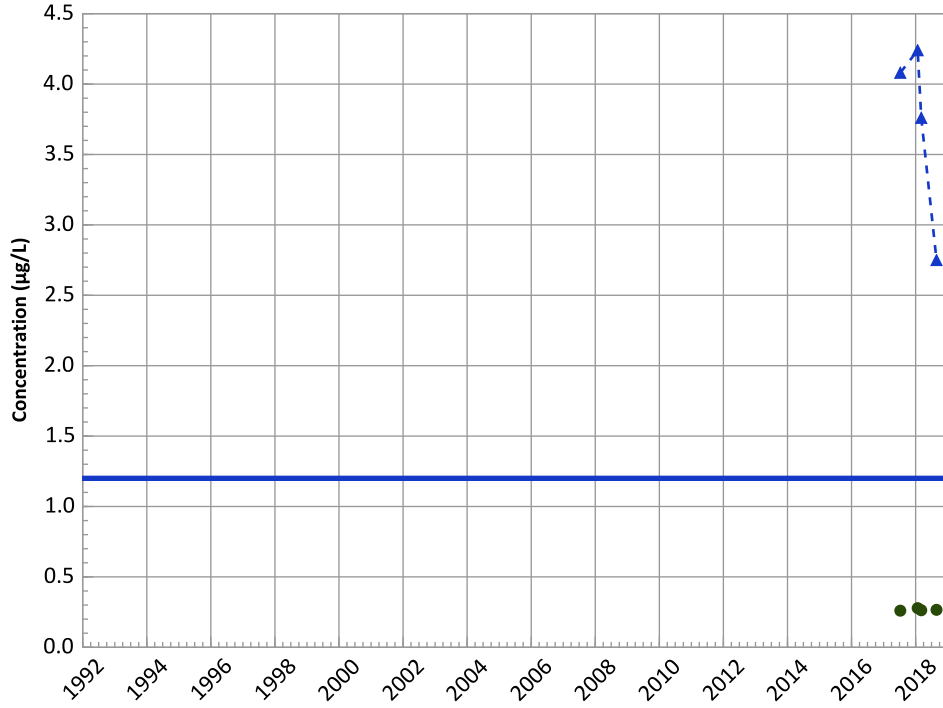


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

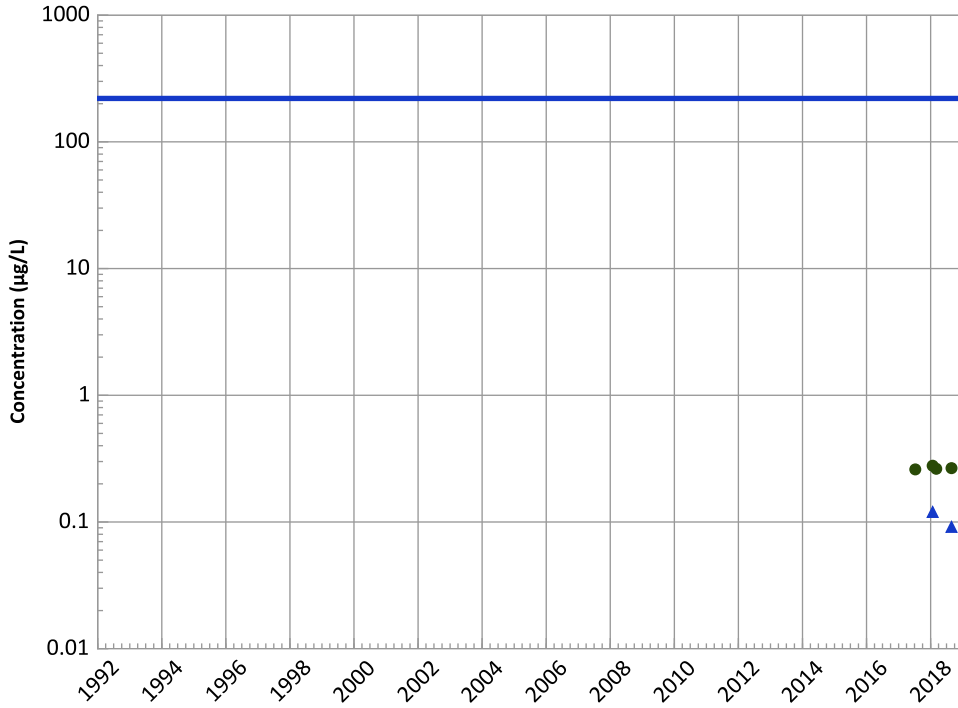
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Probably Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

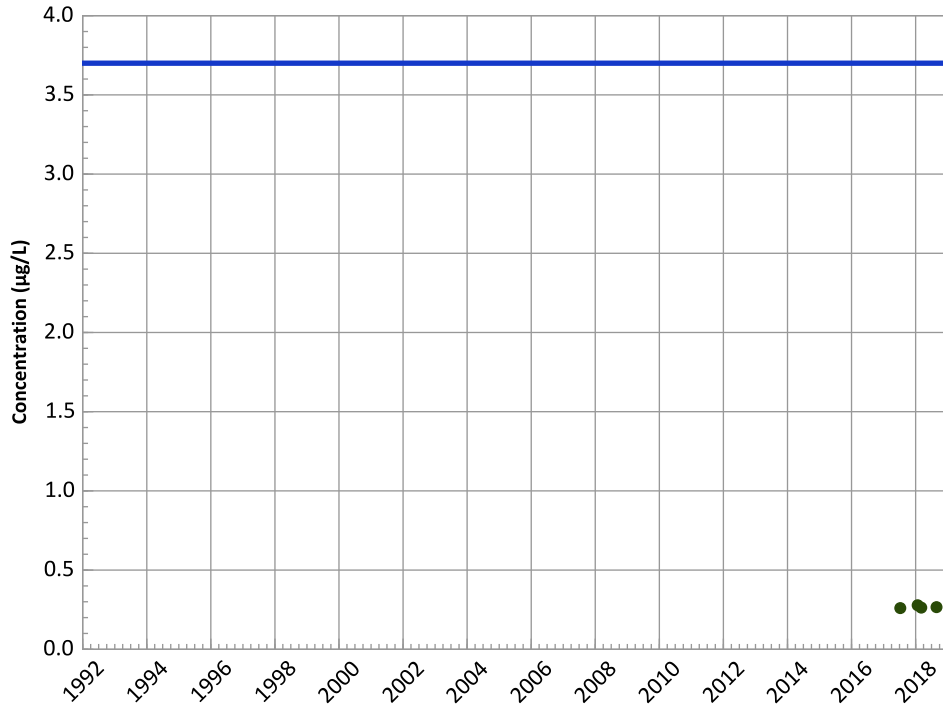


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

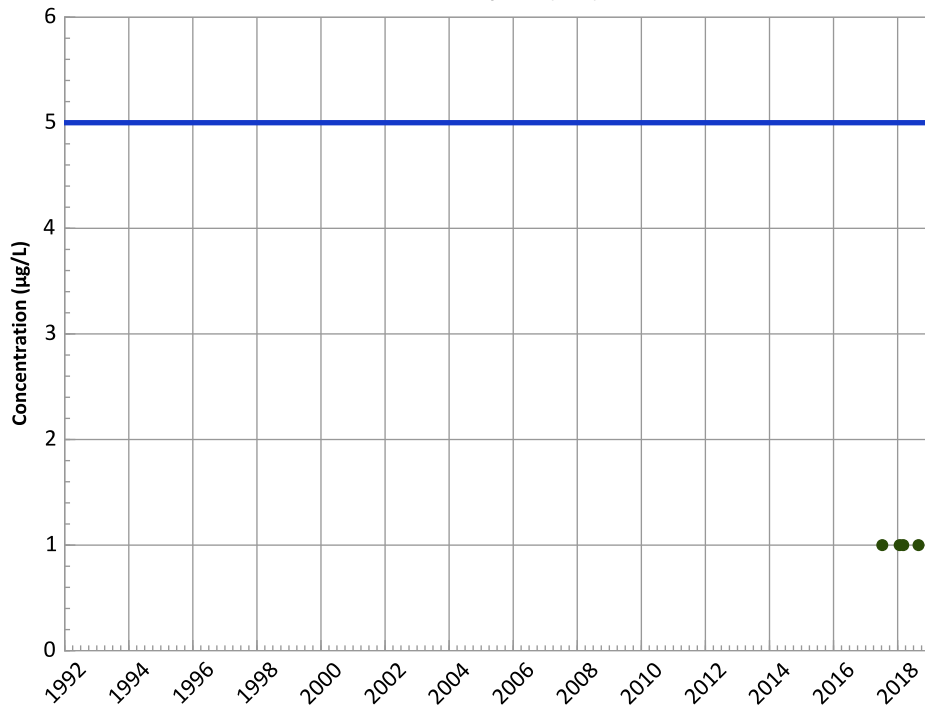


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Tetrachloroethylene (PCE) Trend

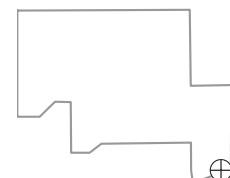


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

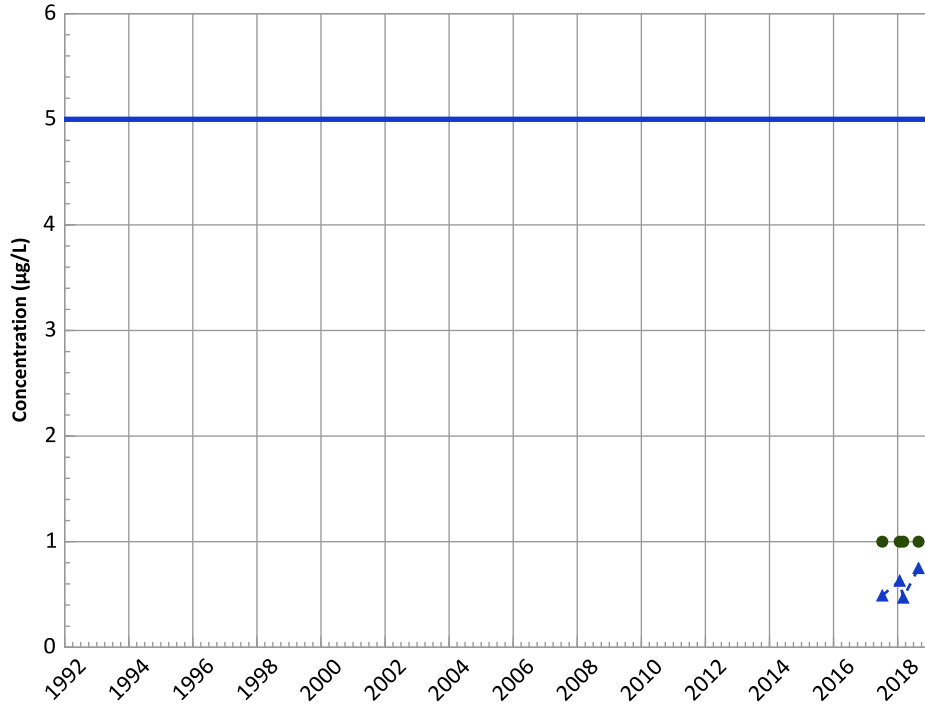


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

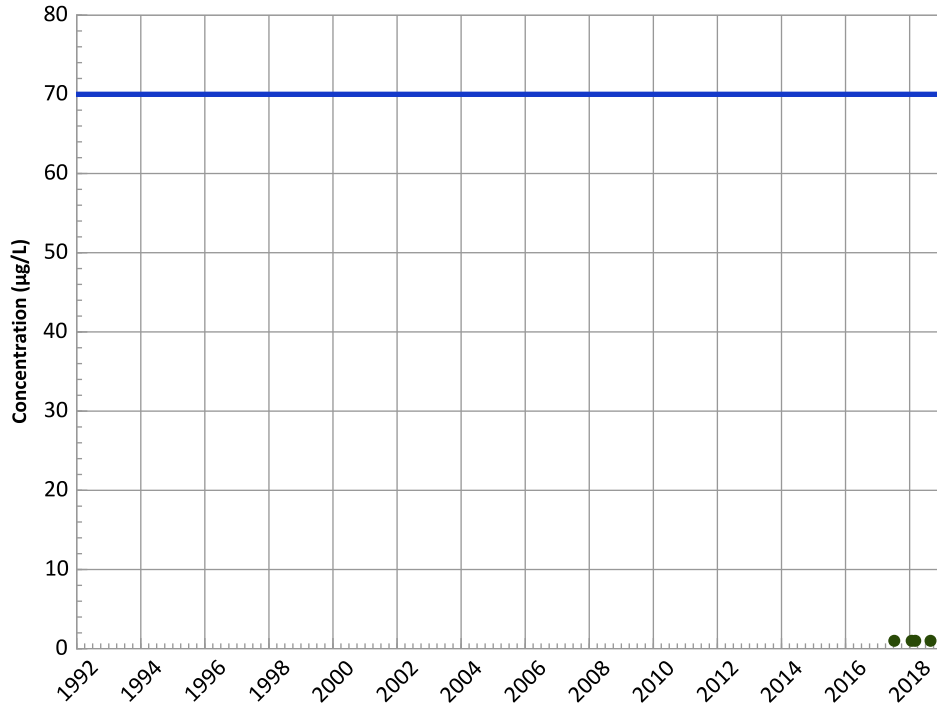


Concentration Trend

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

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

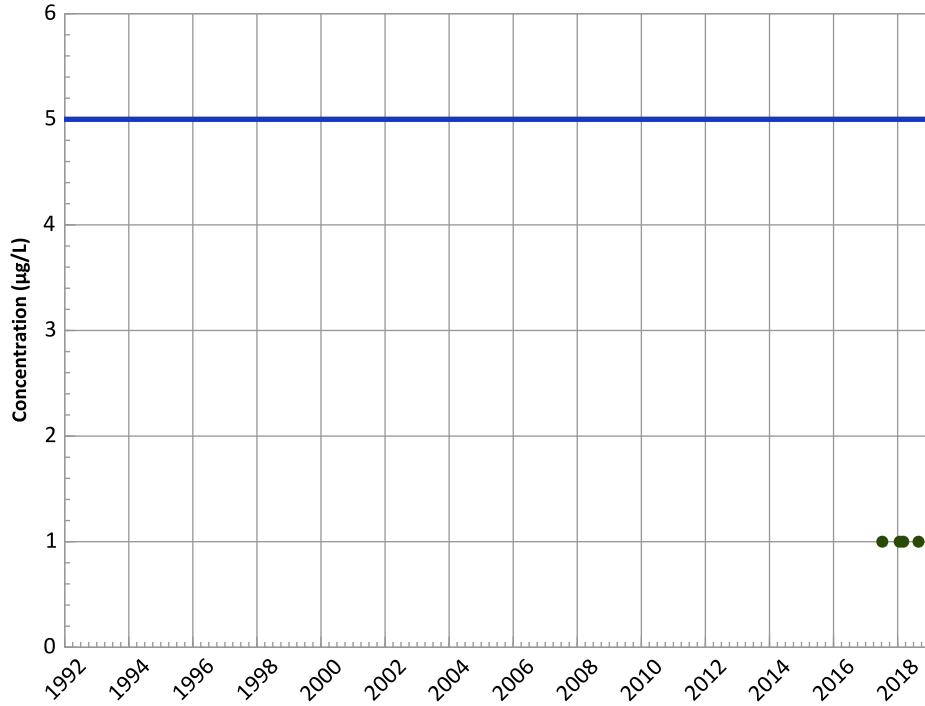
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

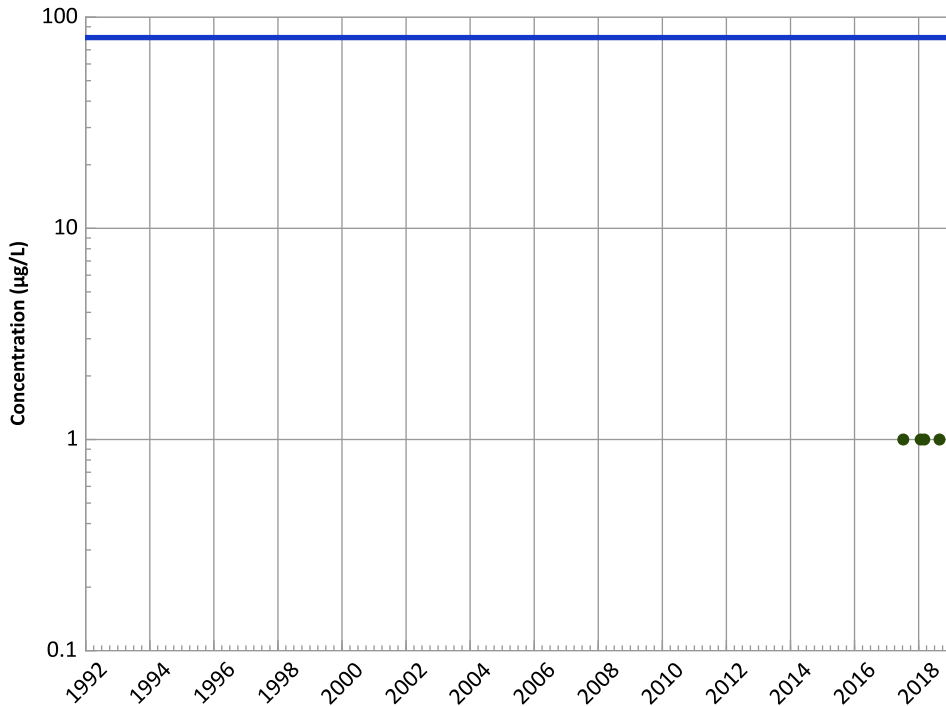


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

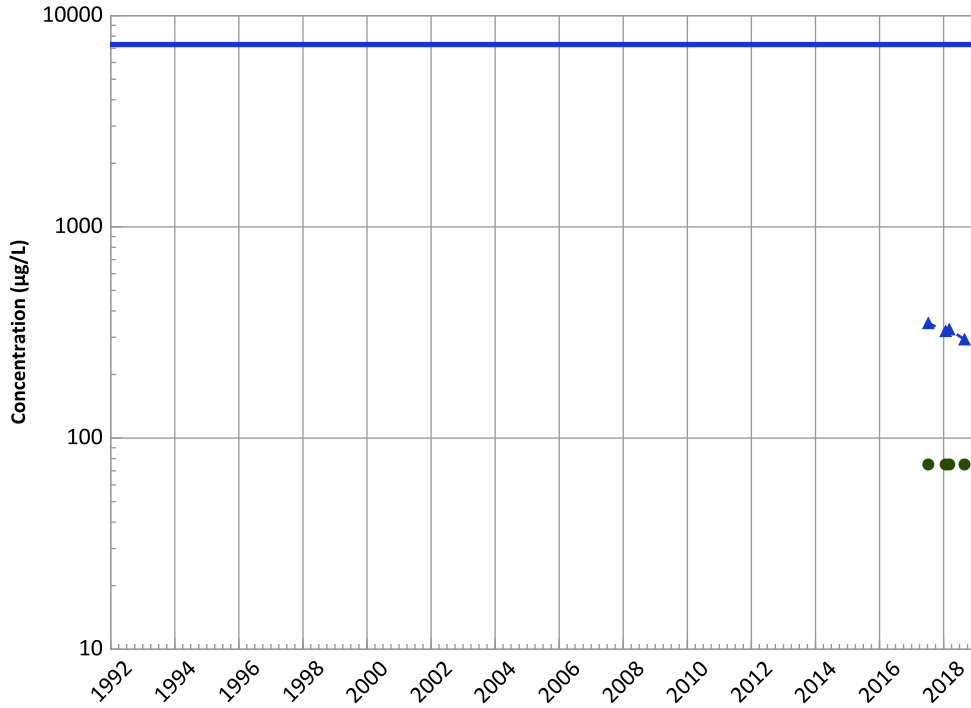


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

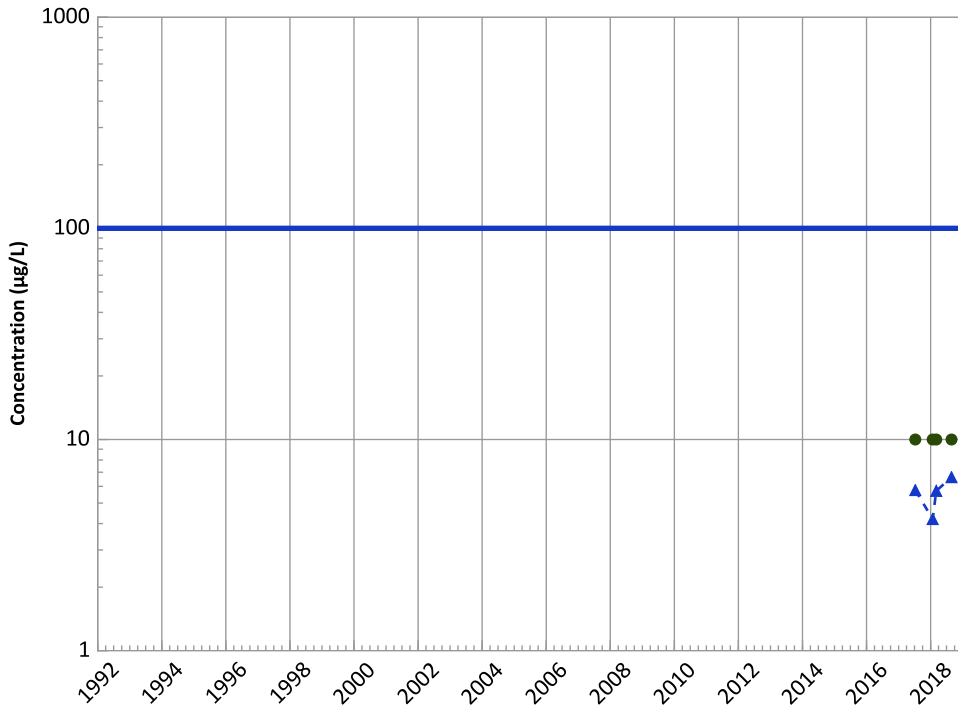


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

Chromium, Total 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

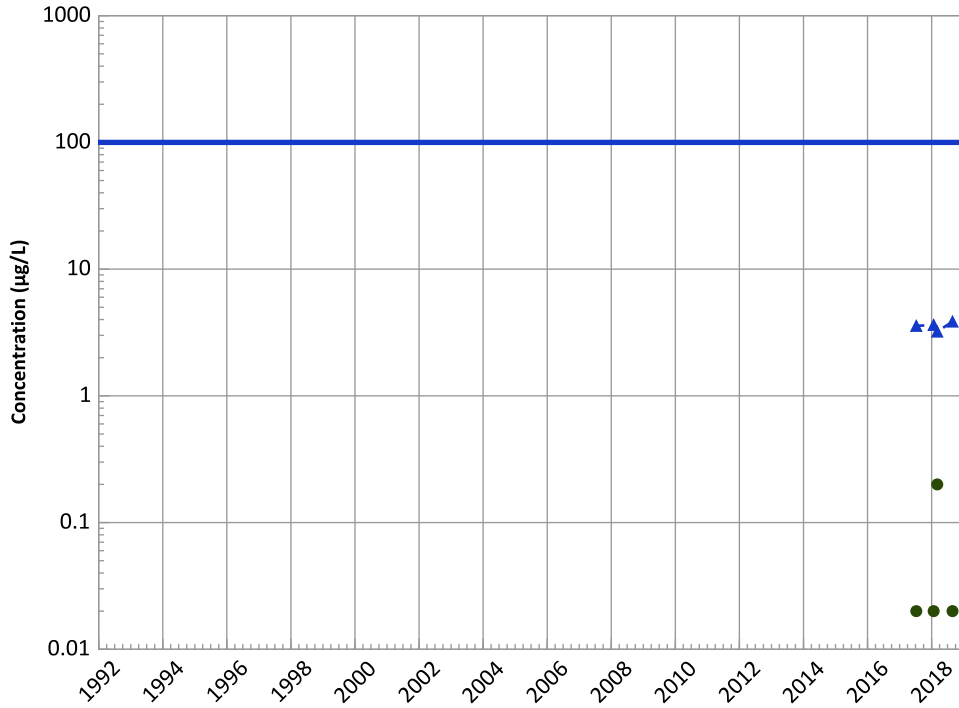
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1185 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**

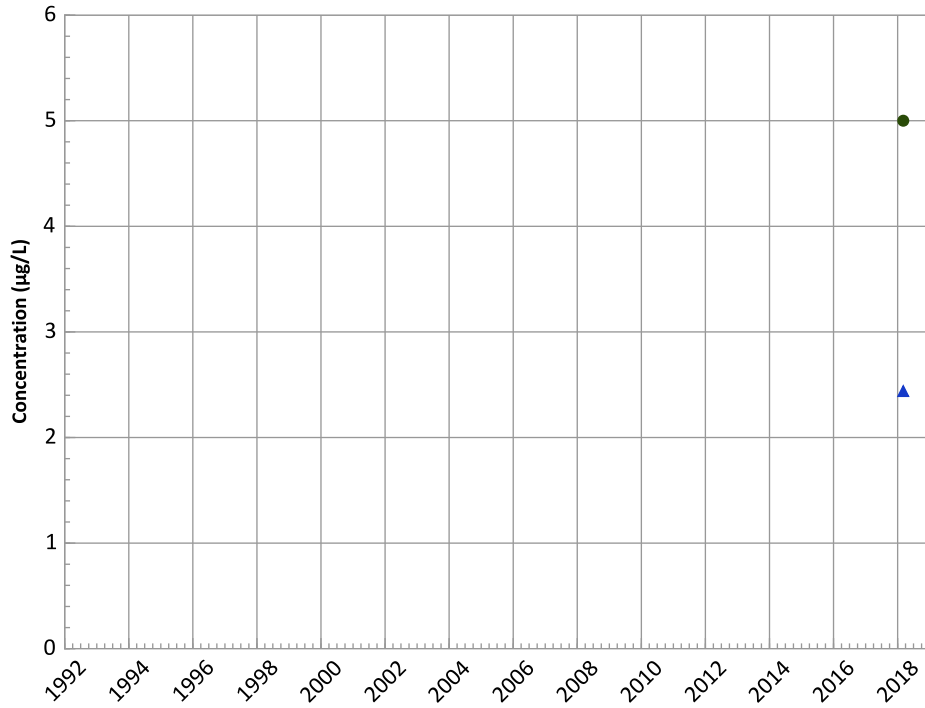


Concentration Trend

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

Manganese Trend

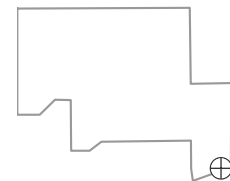


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

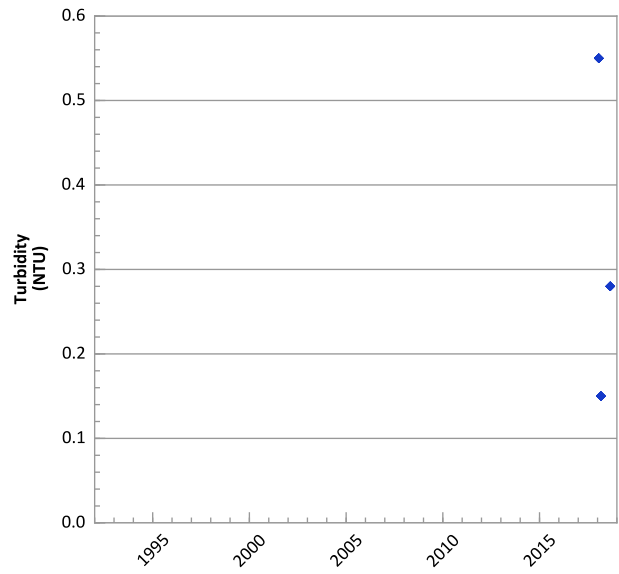
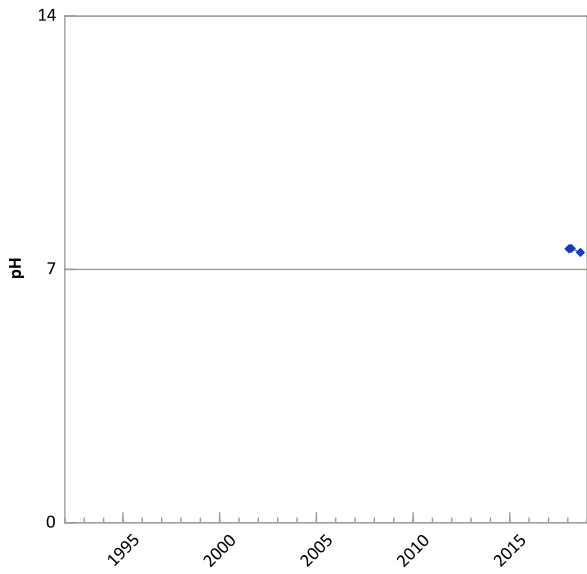
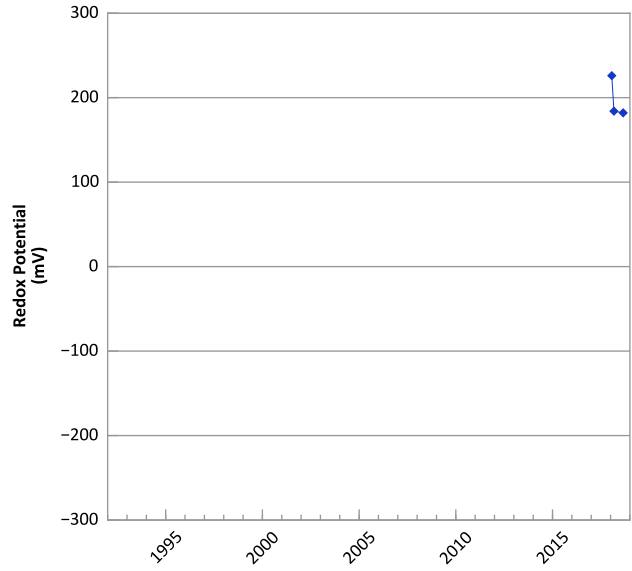
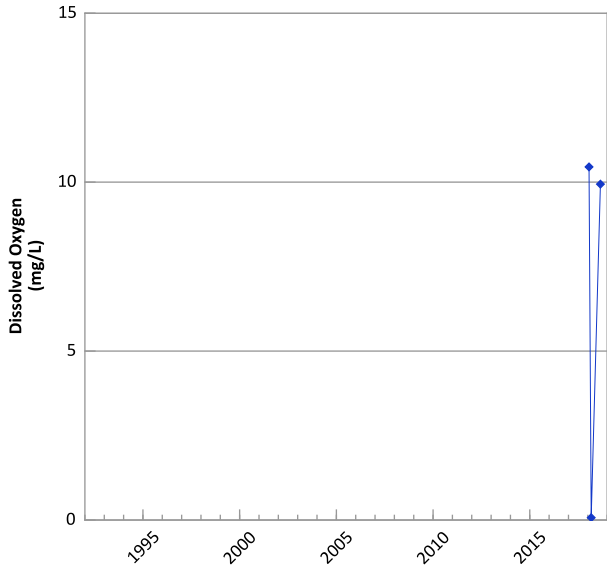
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/10/2017 to 08/27/2018
Analysis Date: 02/14/2019

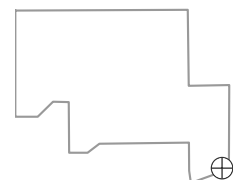
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



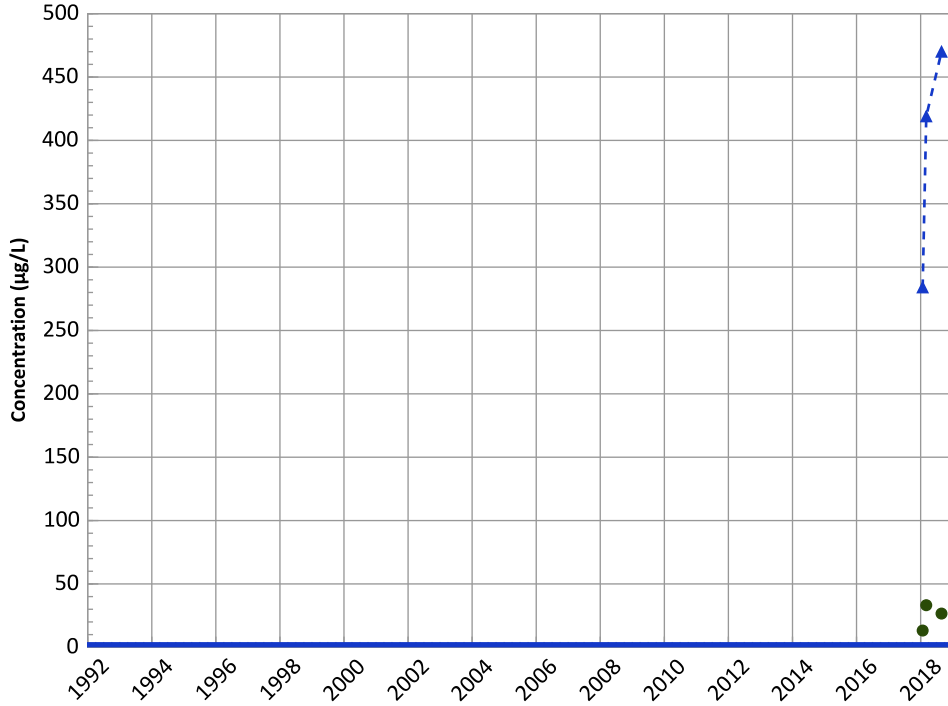
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 01/24/2018 to 08/27/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

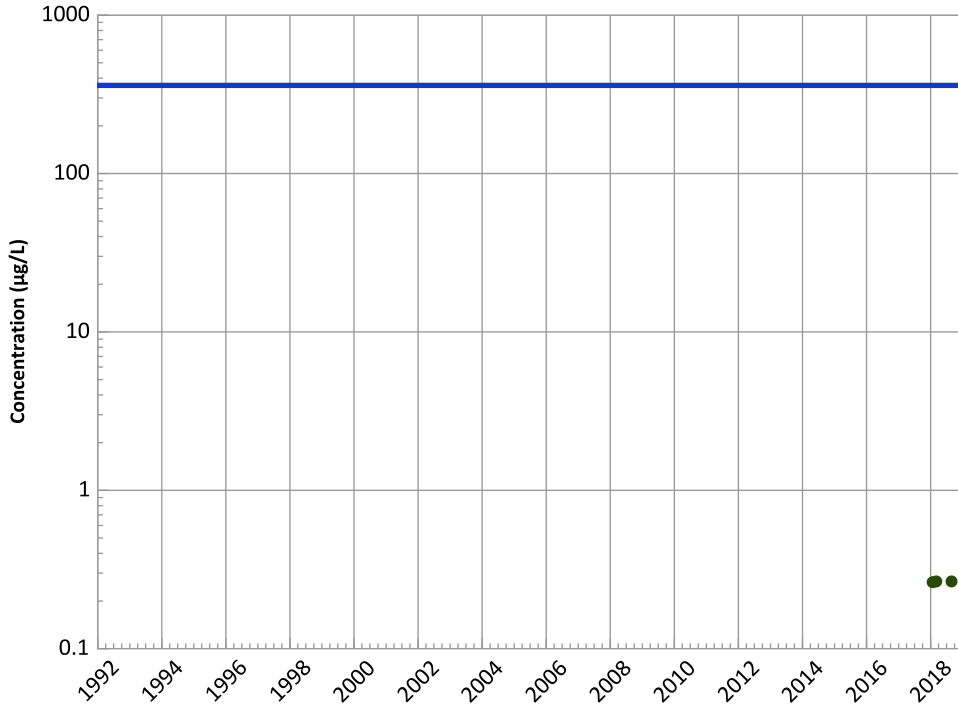
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

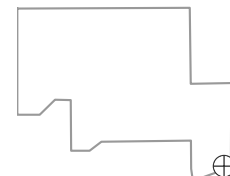
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

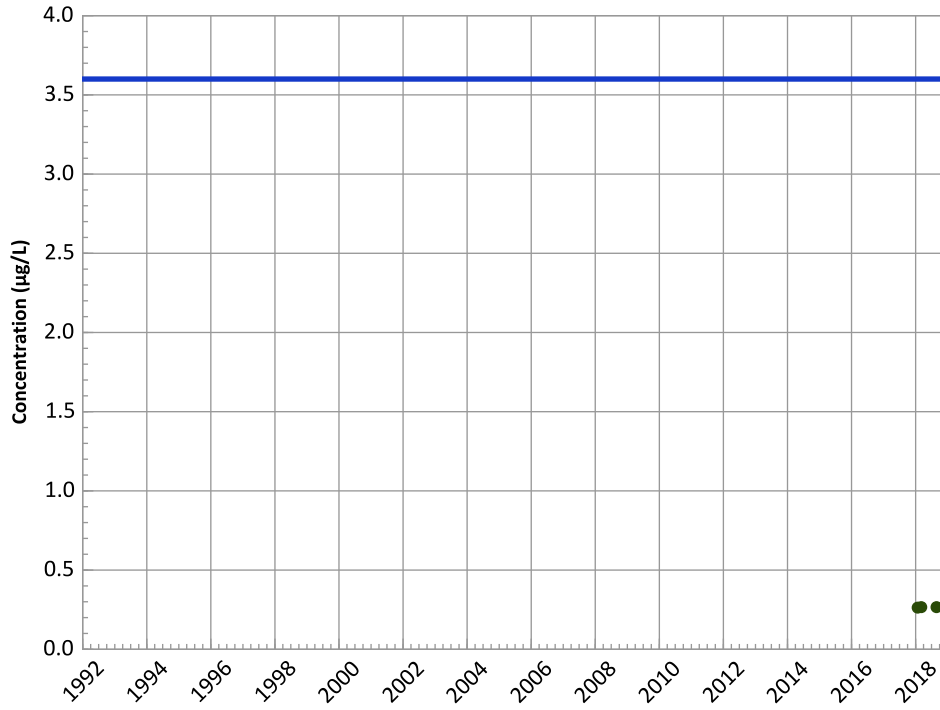


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

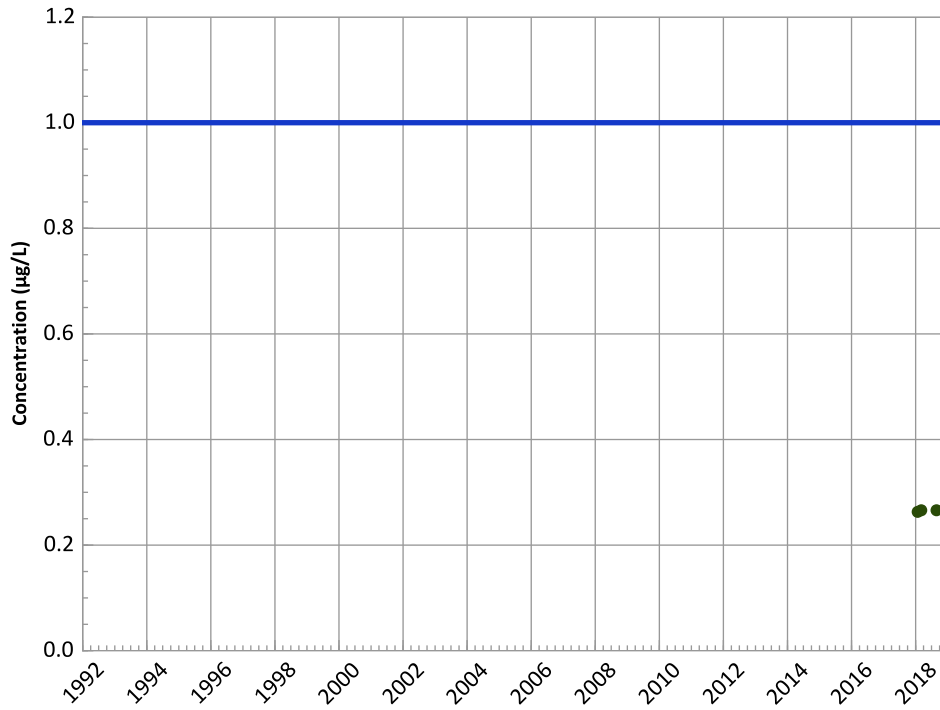
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

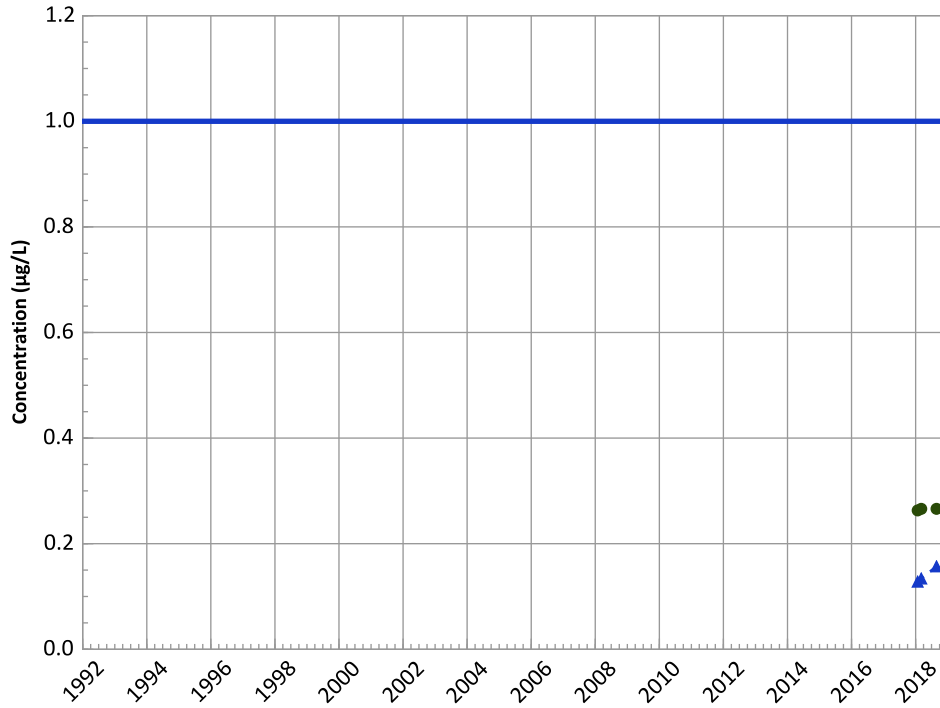


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

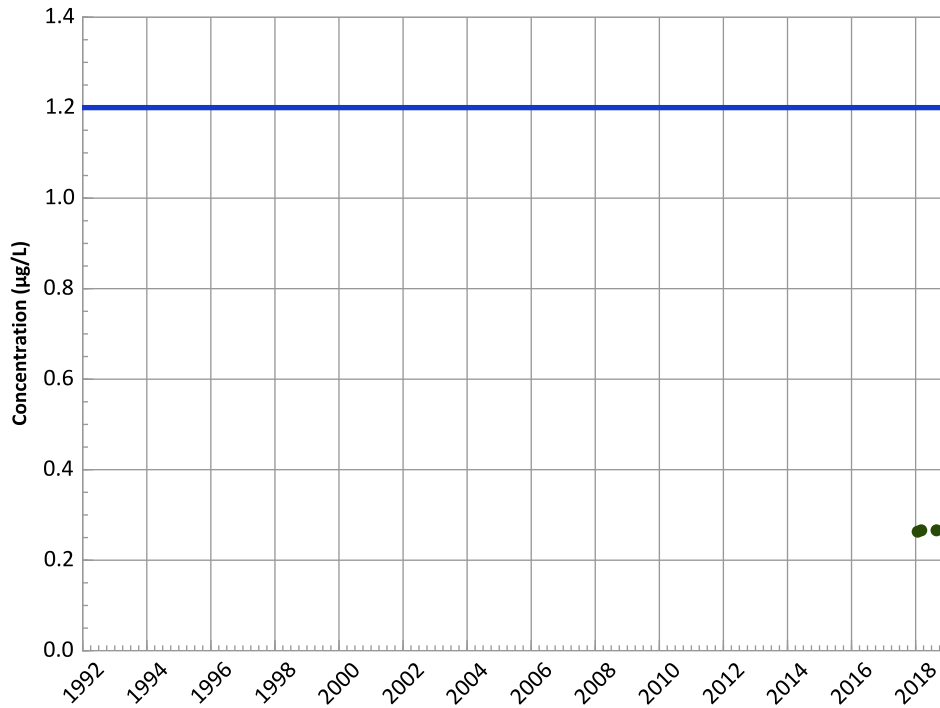


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

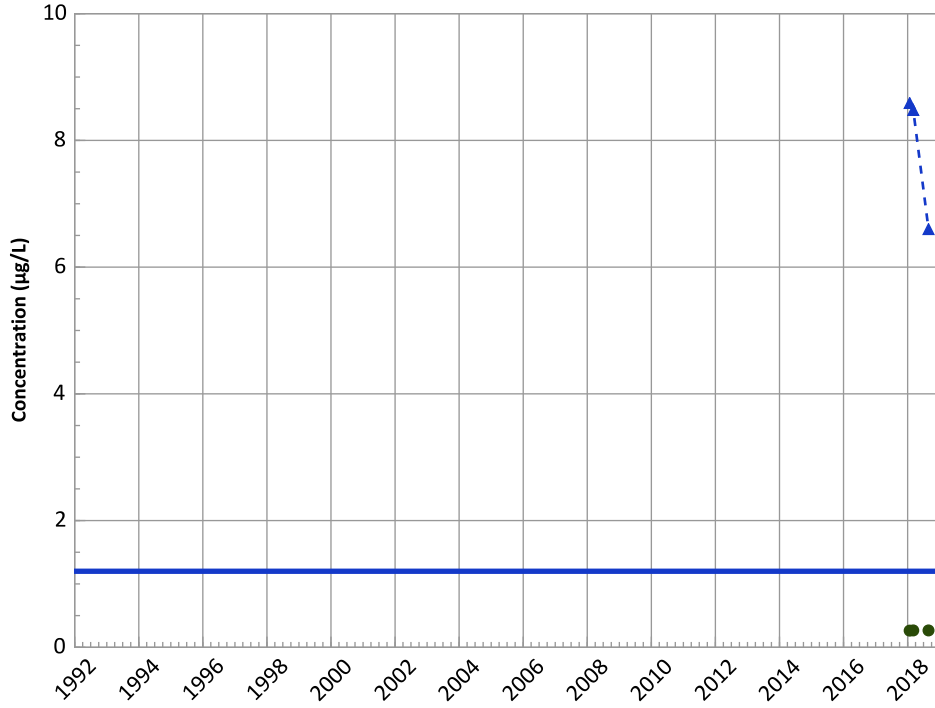


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

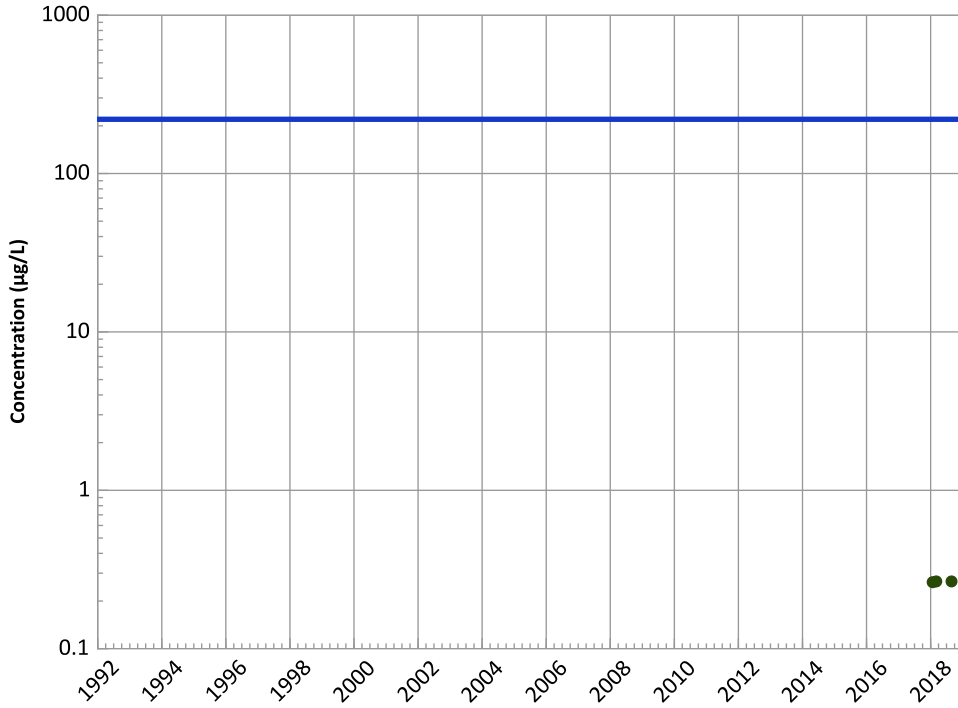
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

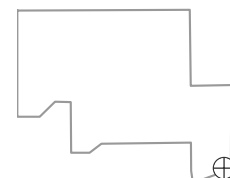
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

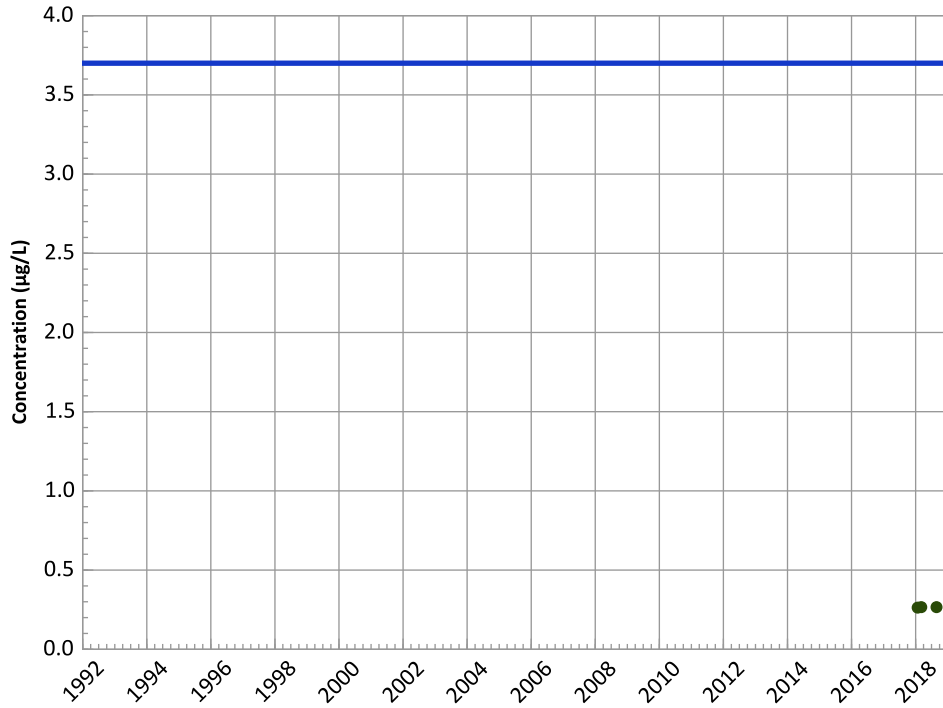


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

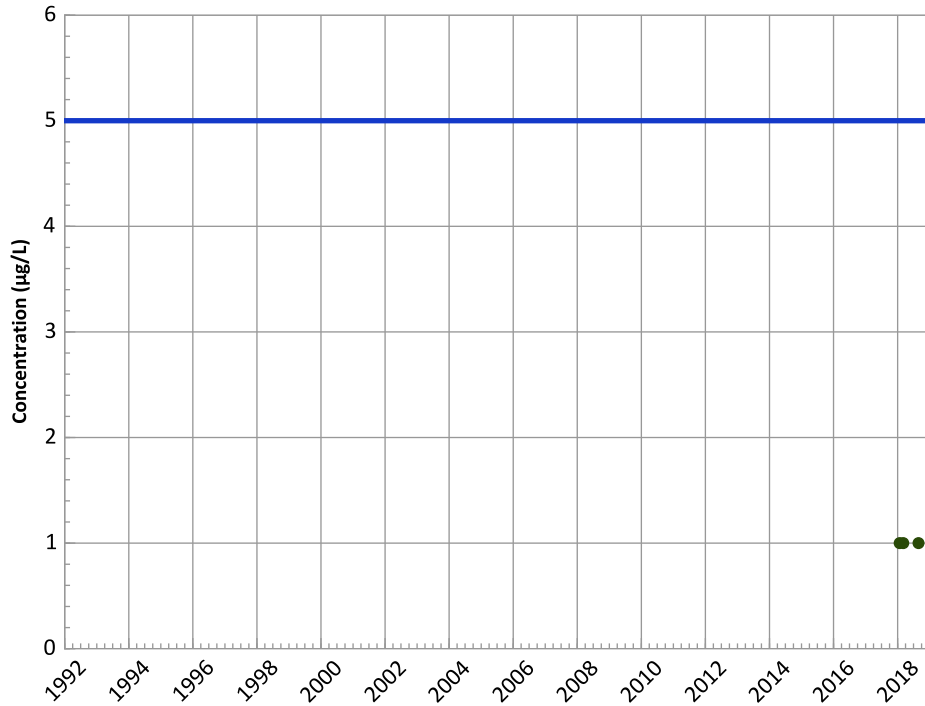
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

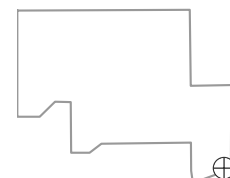
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

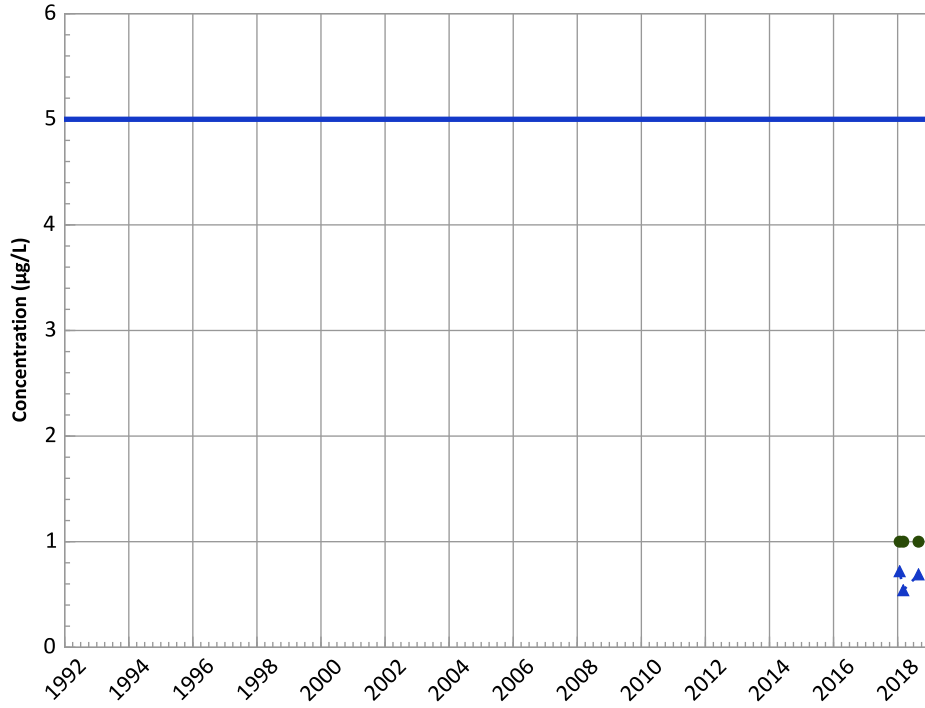


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

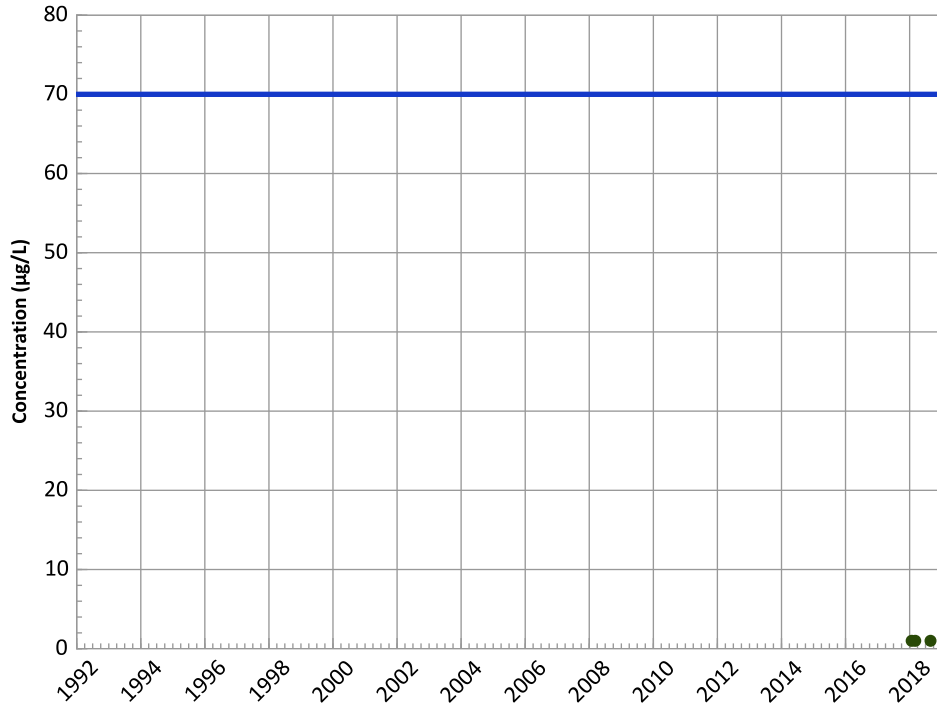


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend

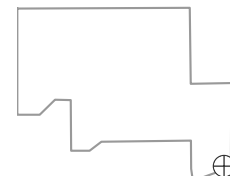


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

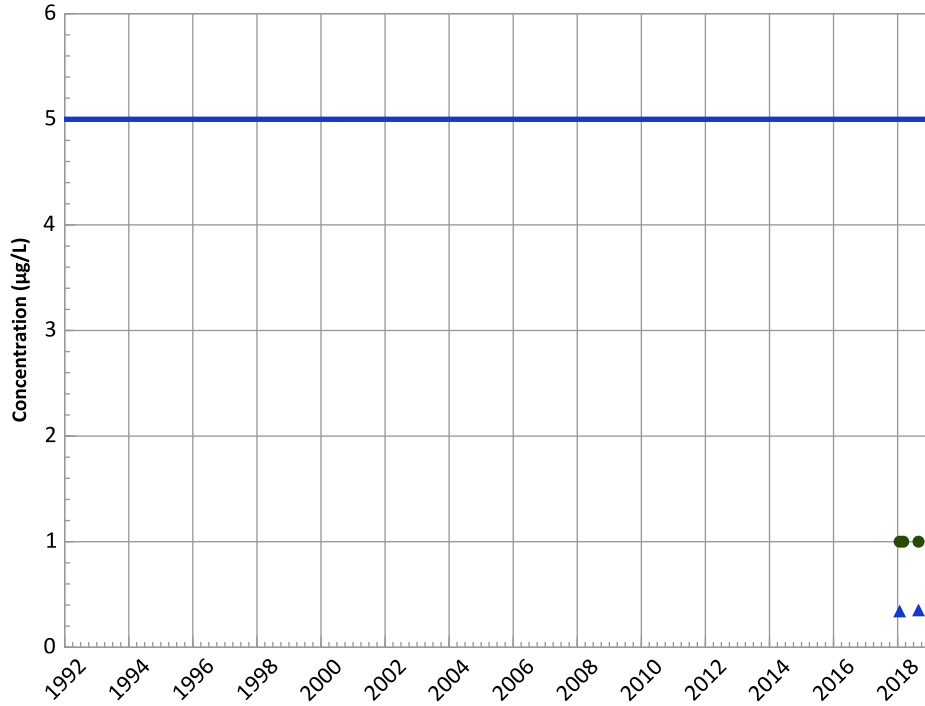
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

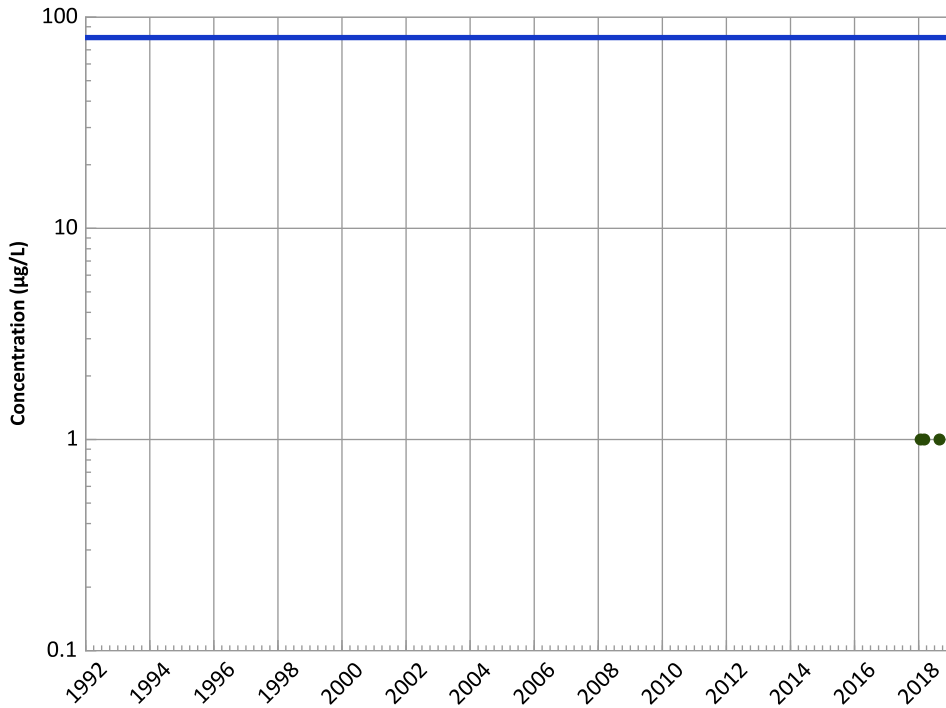


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

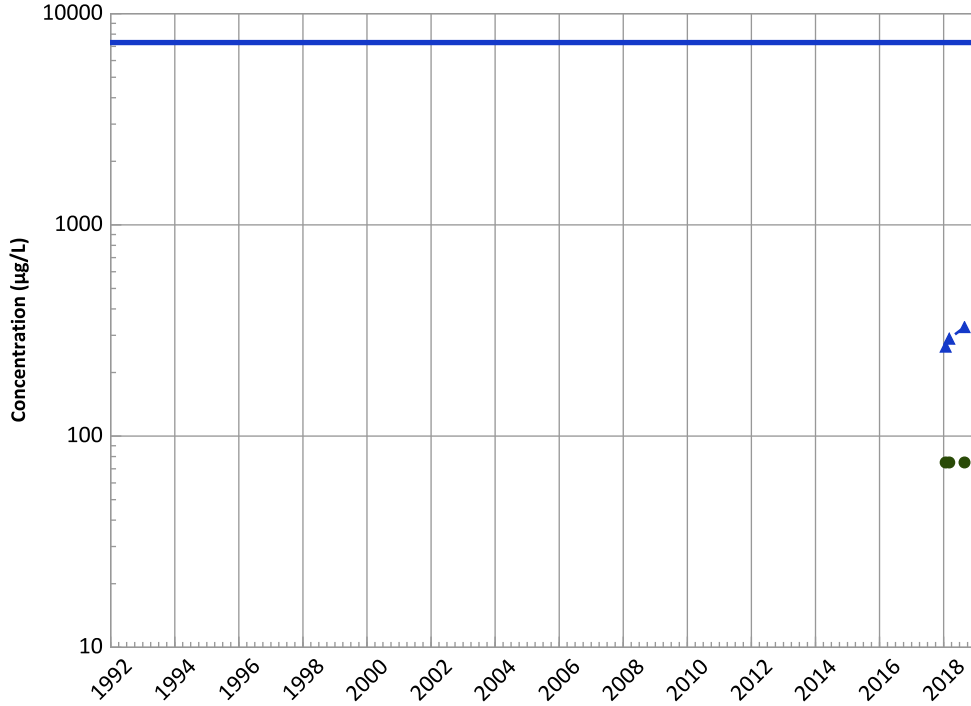


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

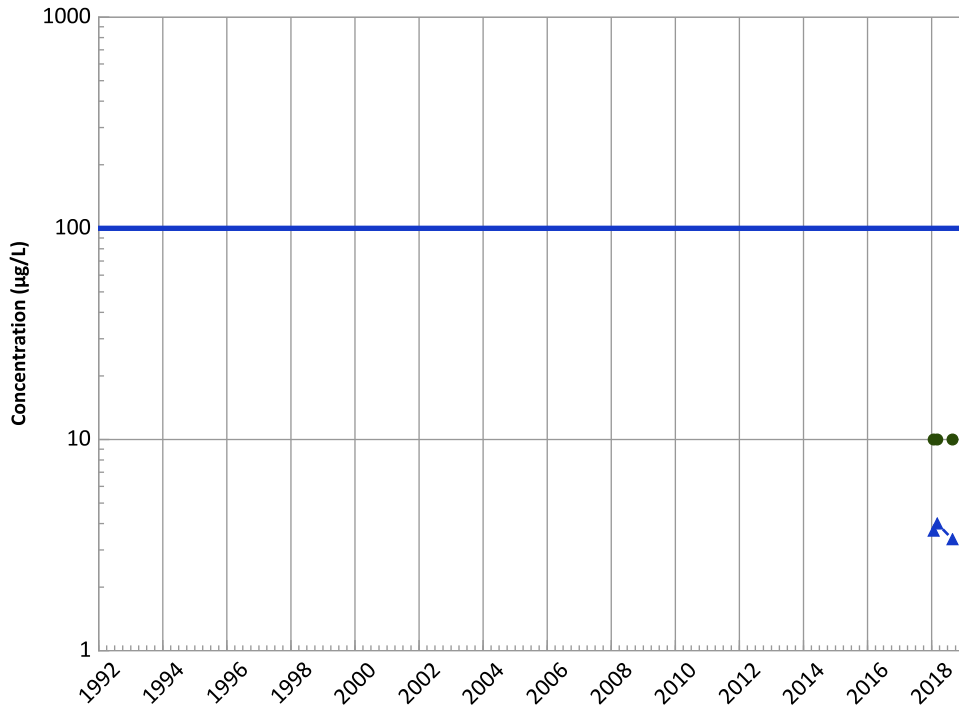


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

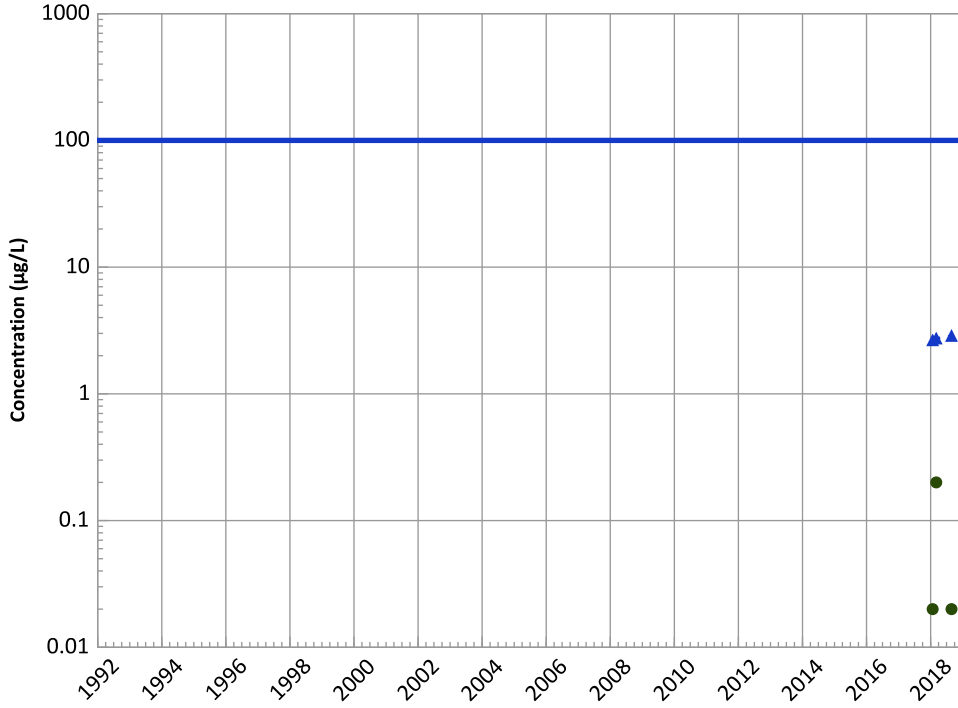


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1190 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

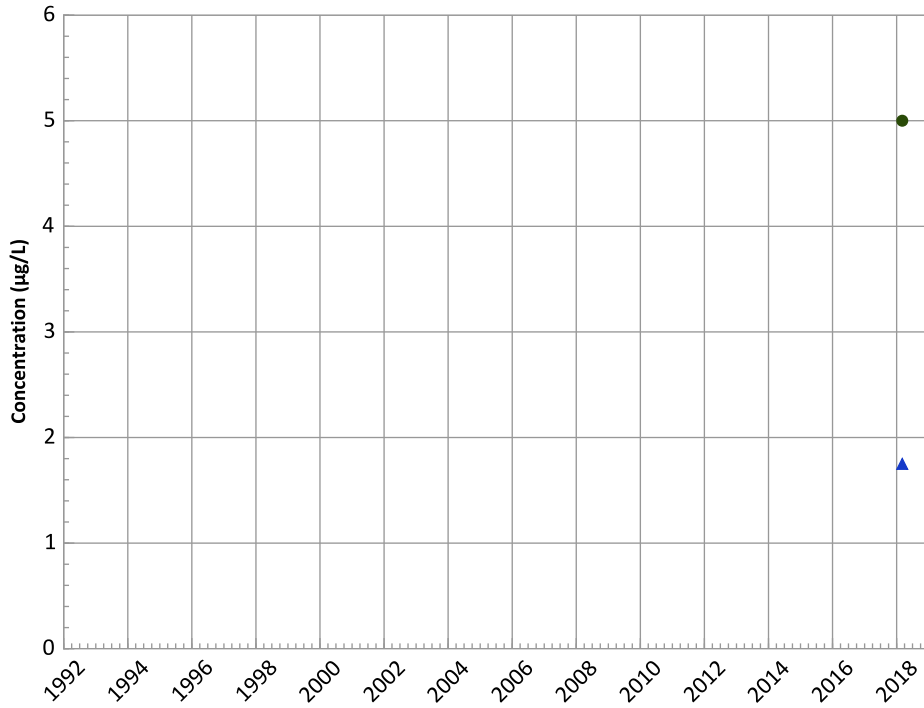


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Manganese Trend

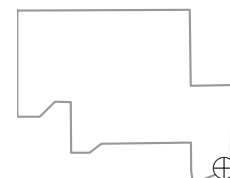


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

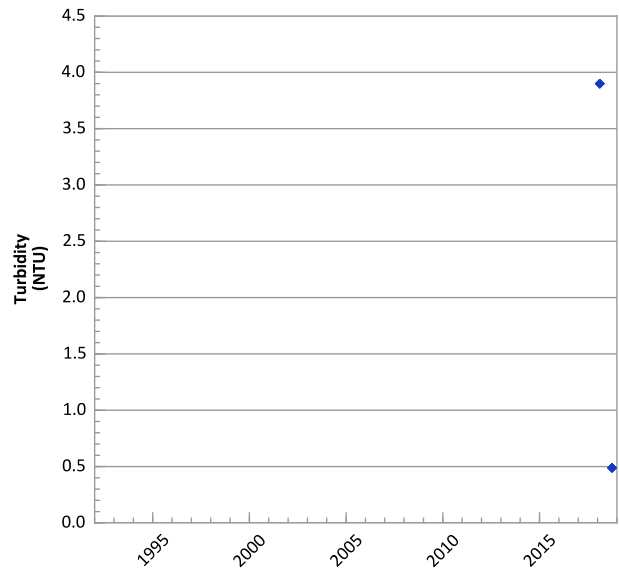
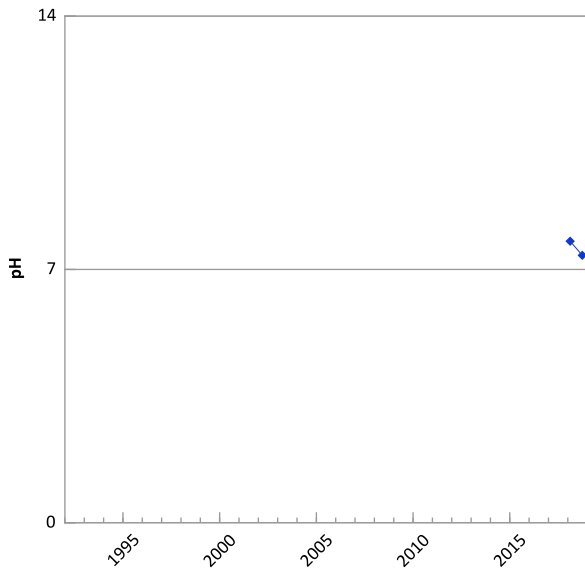
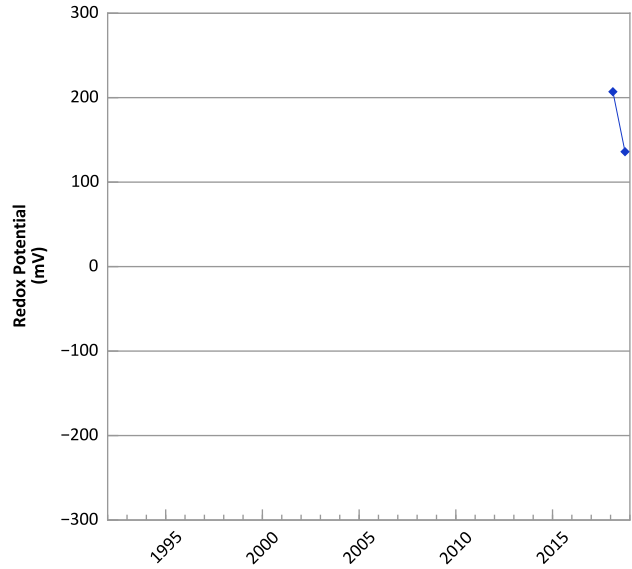
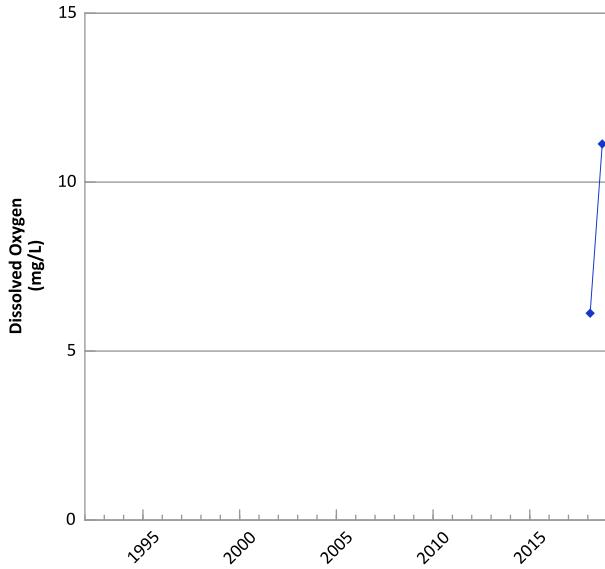
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/24/2018 to 08/27/2018
Analysis Date: 02/14/2019

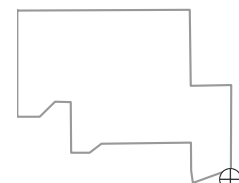
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



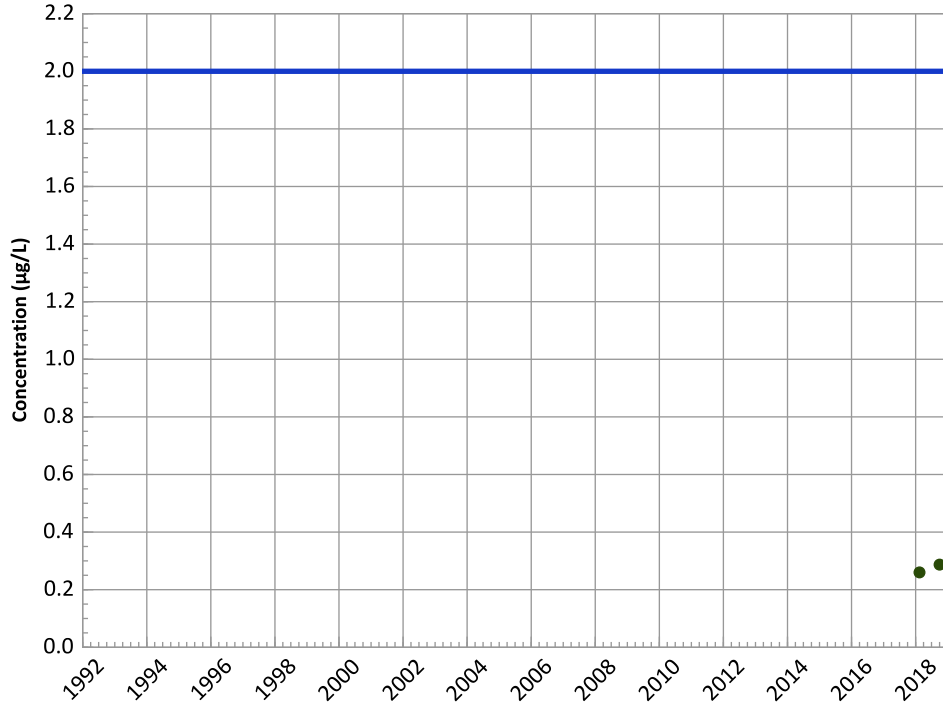
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 02/14/2018 to 10/01/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

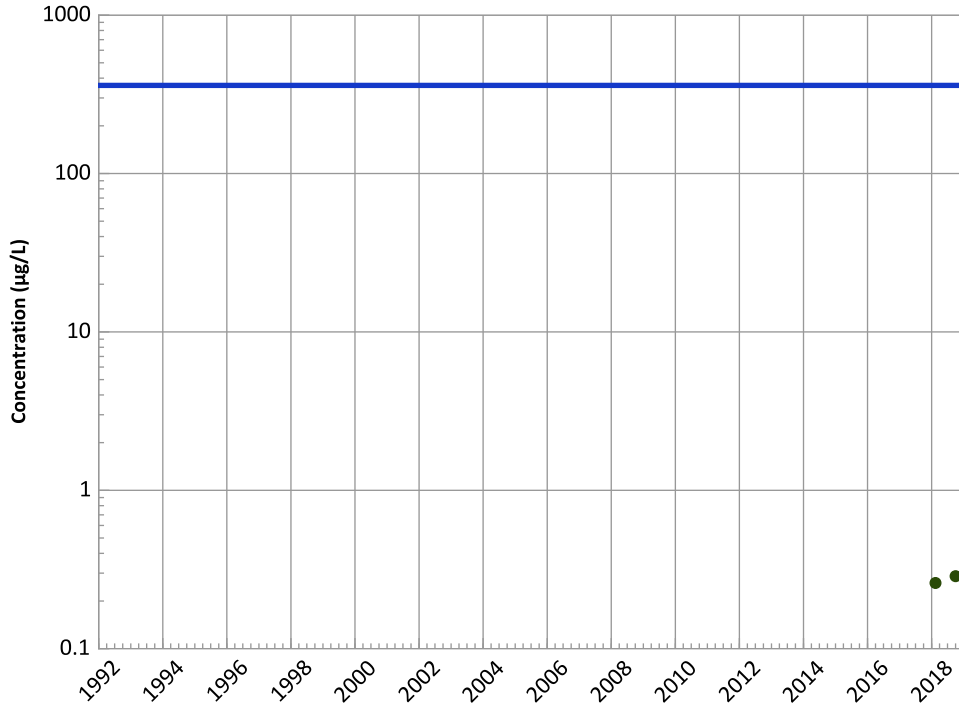
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

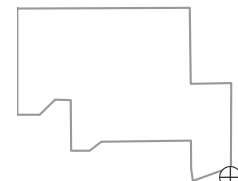
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

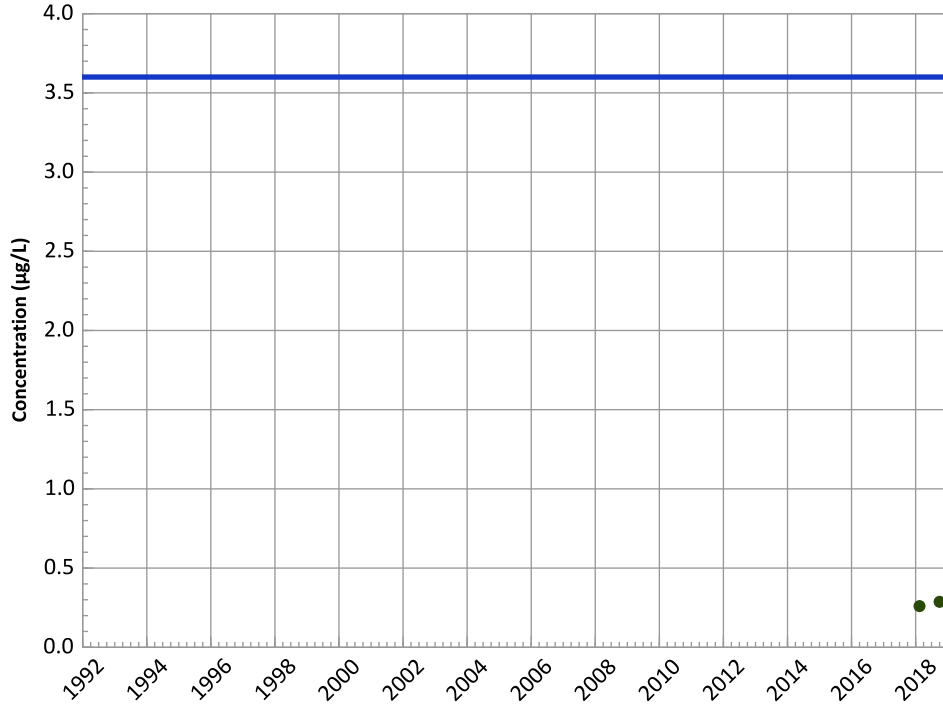


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

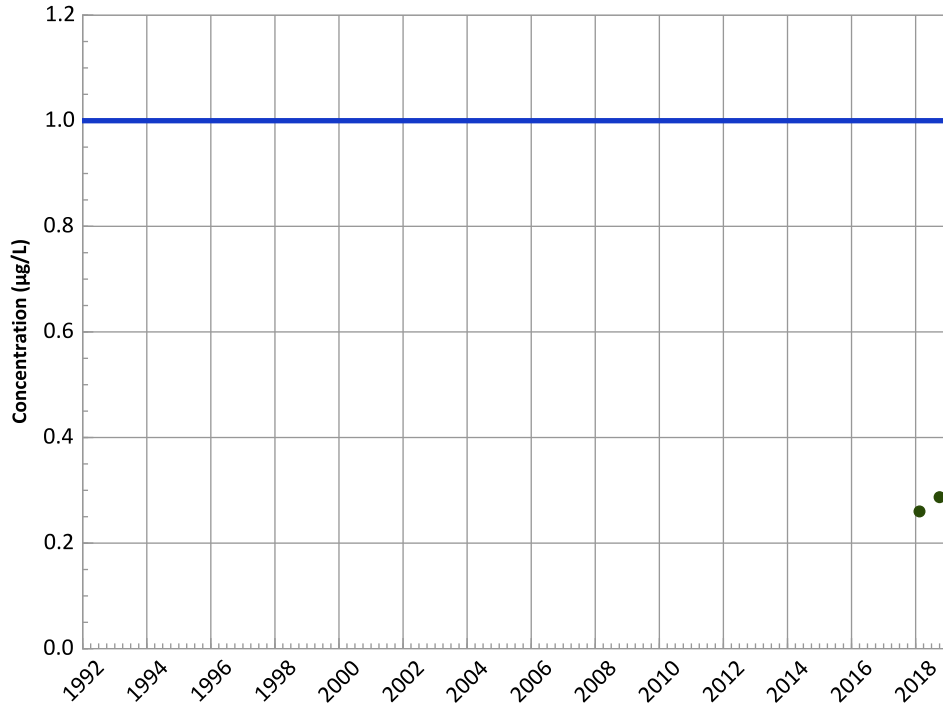
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

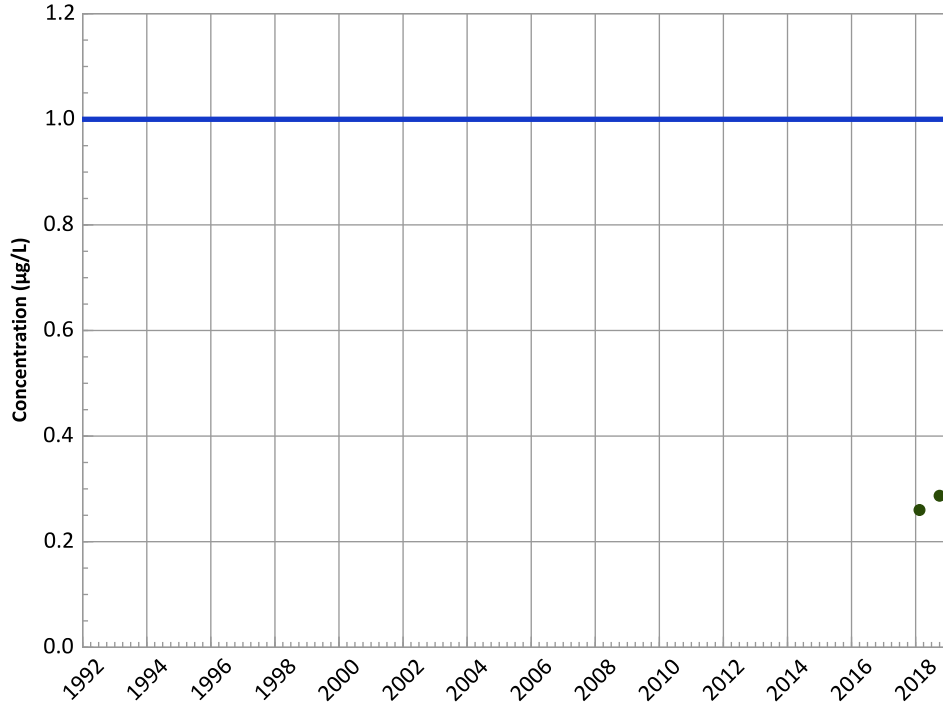


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

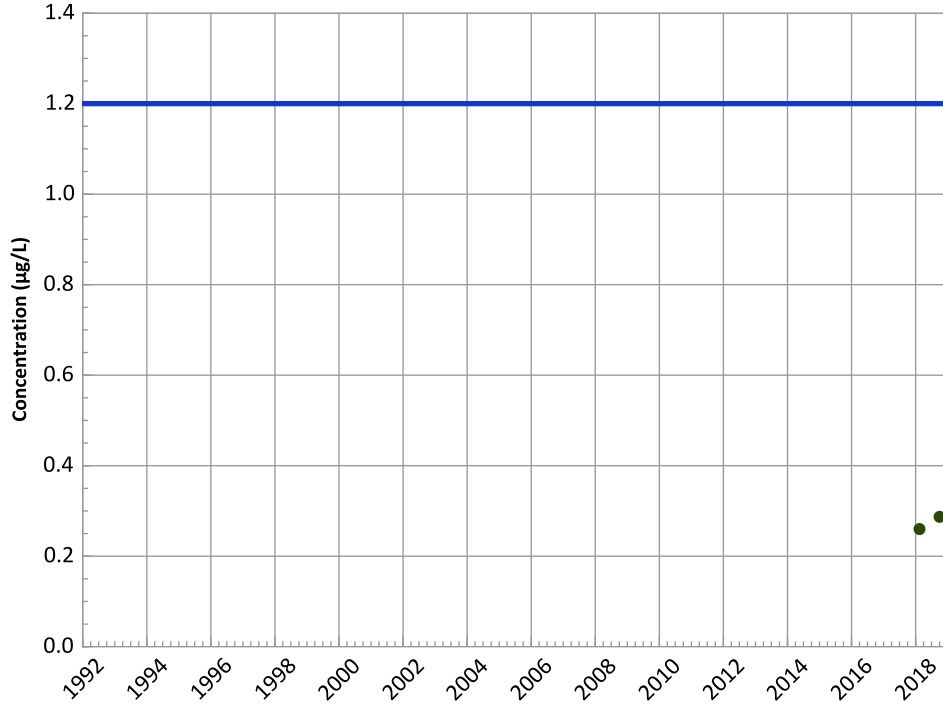
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

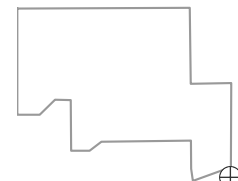
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

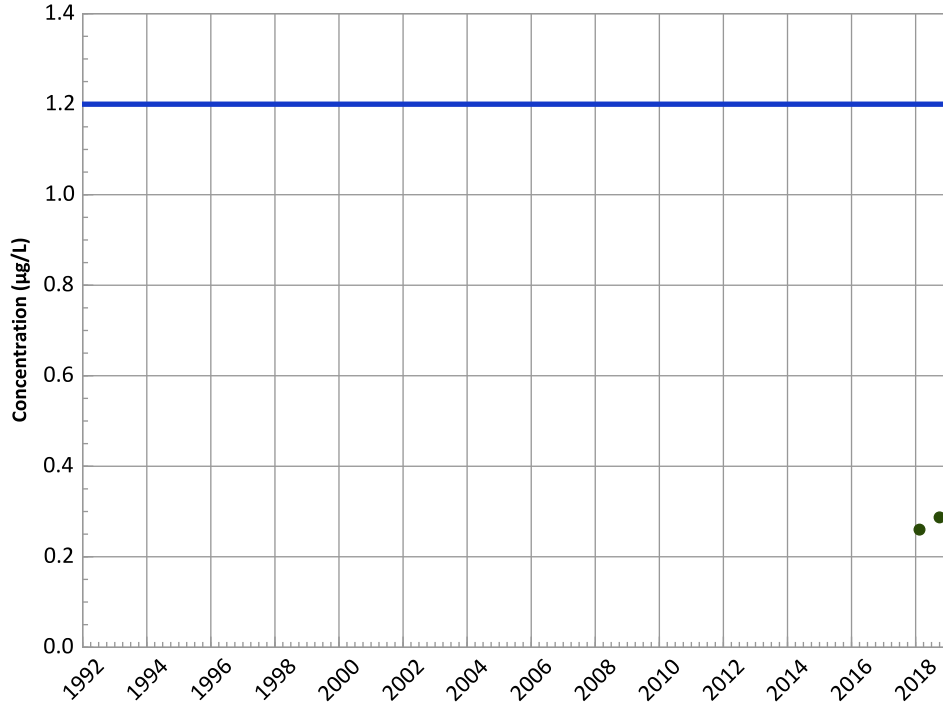


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

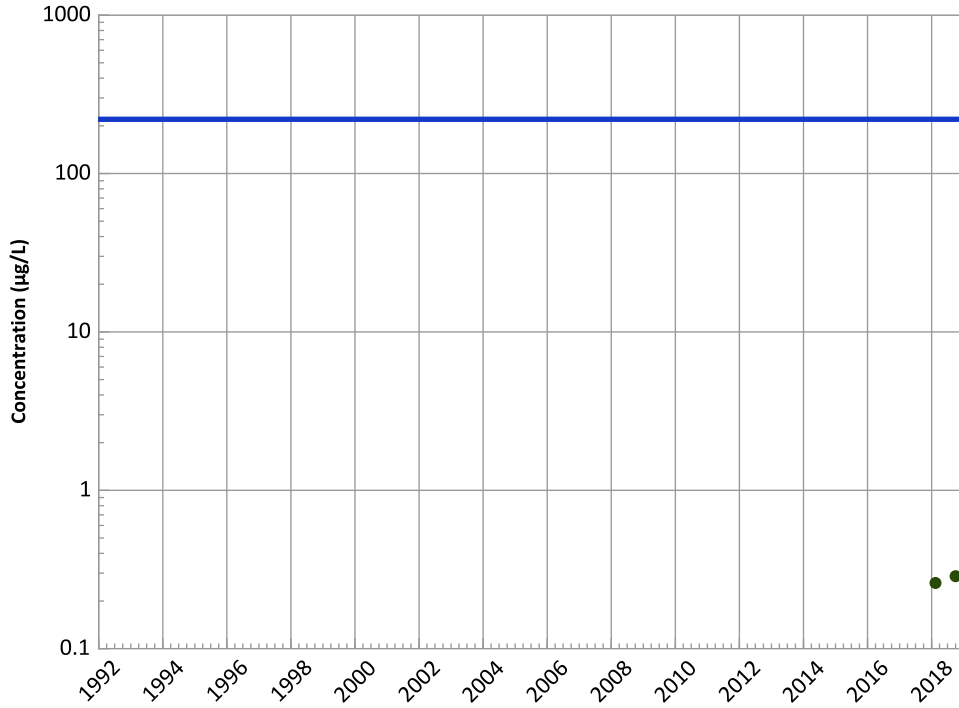
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

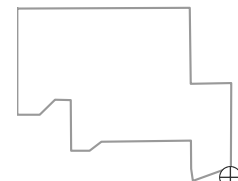
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

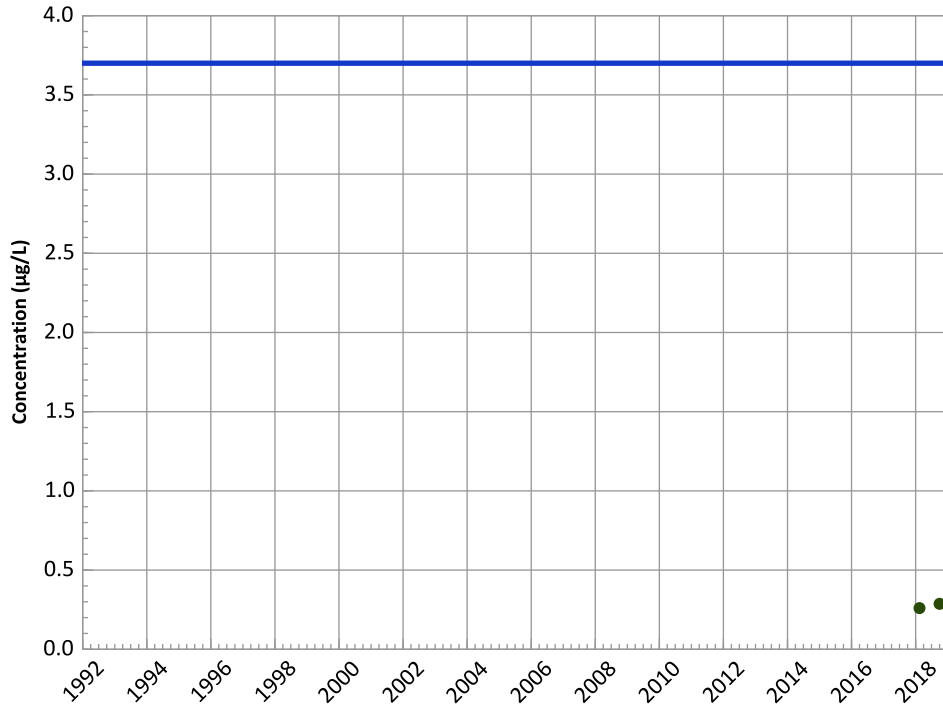


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

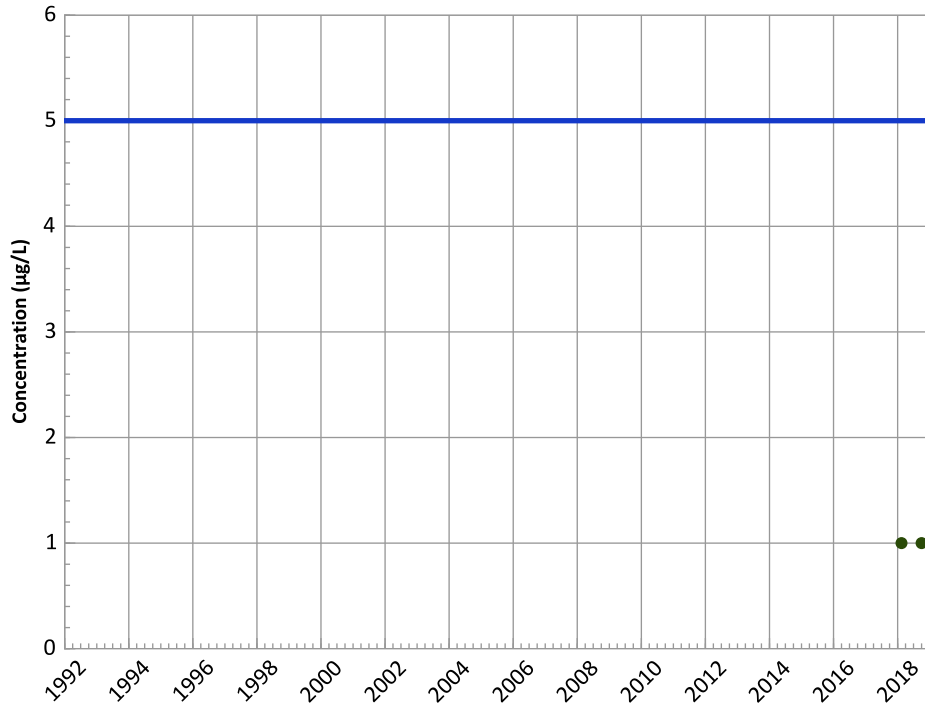
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

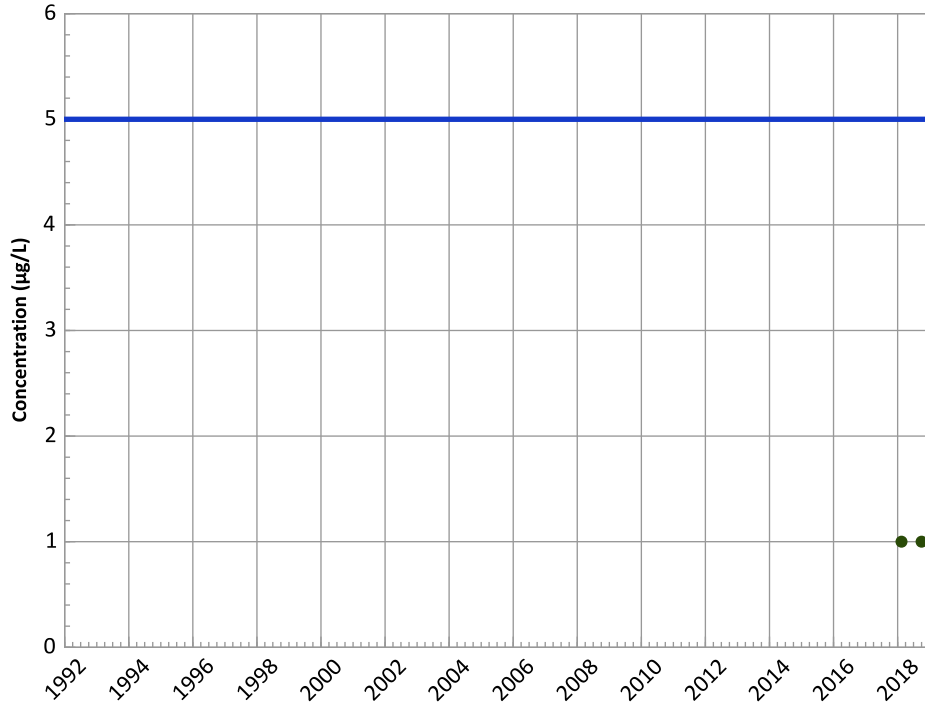


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

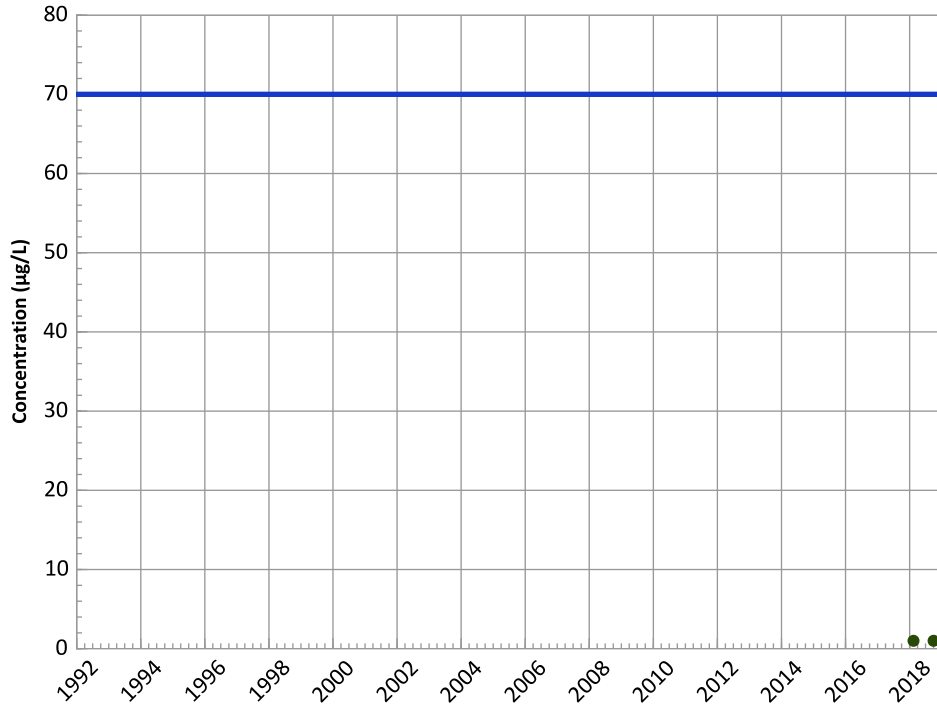


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

cis-1,2-Dichloroethene Trend

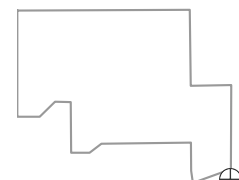


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

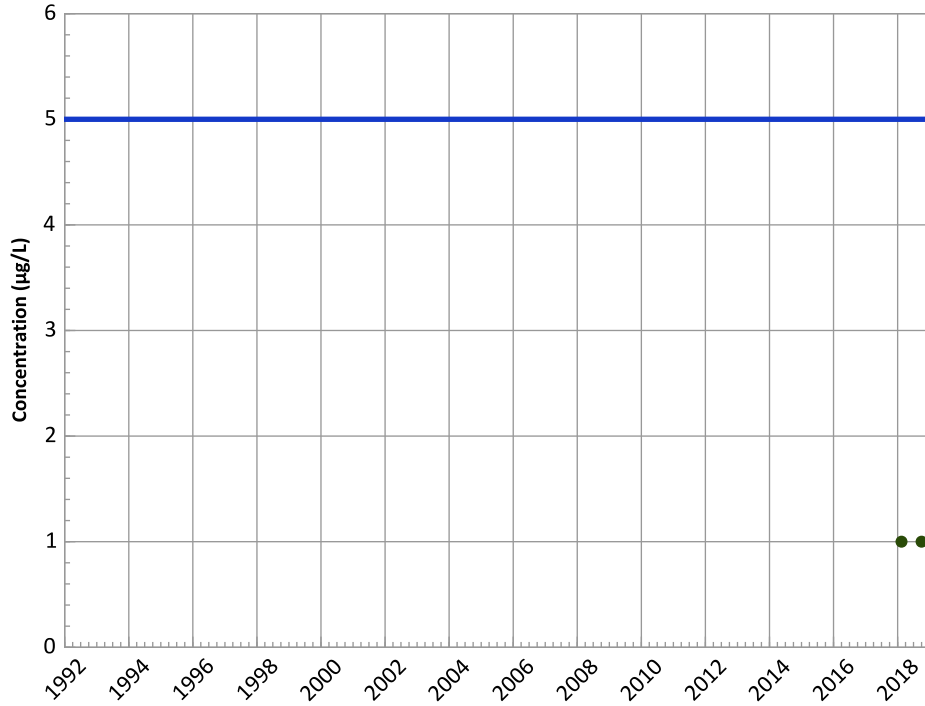
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

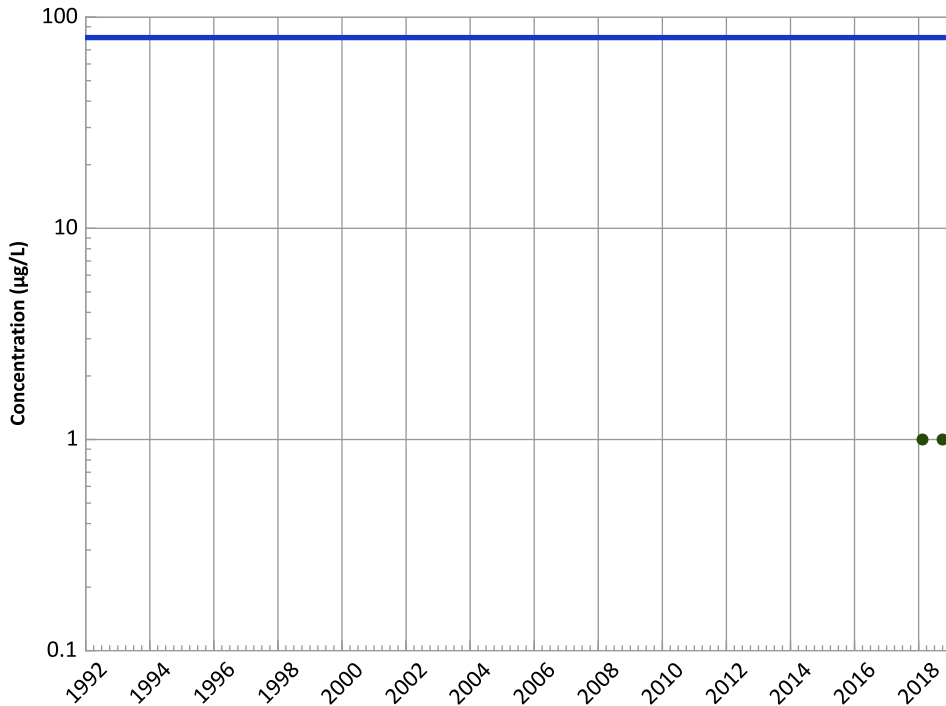


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend

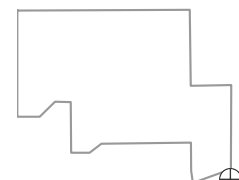


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

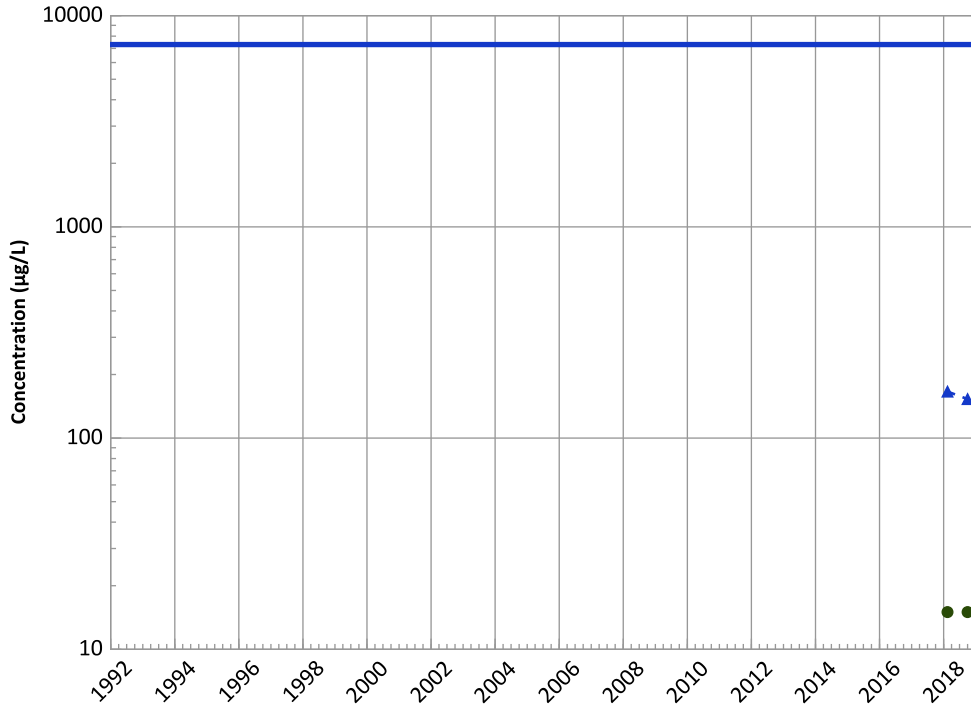


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

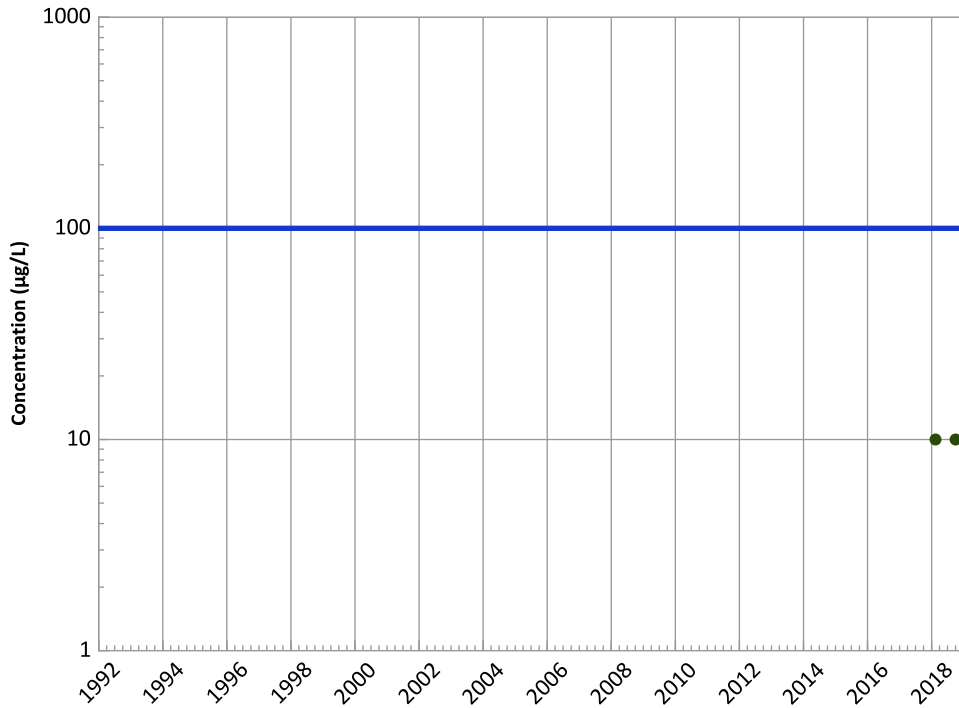


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

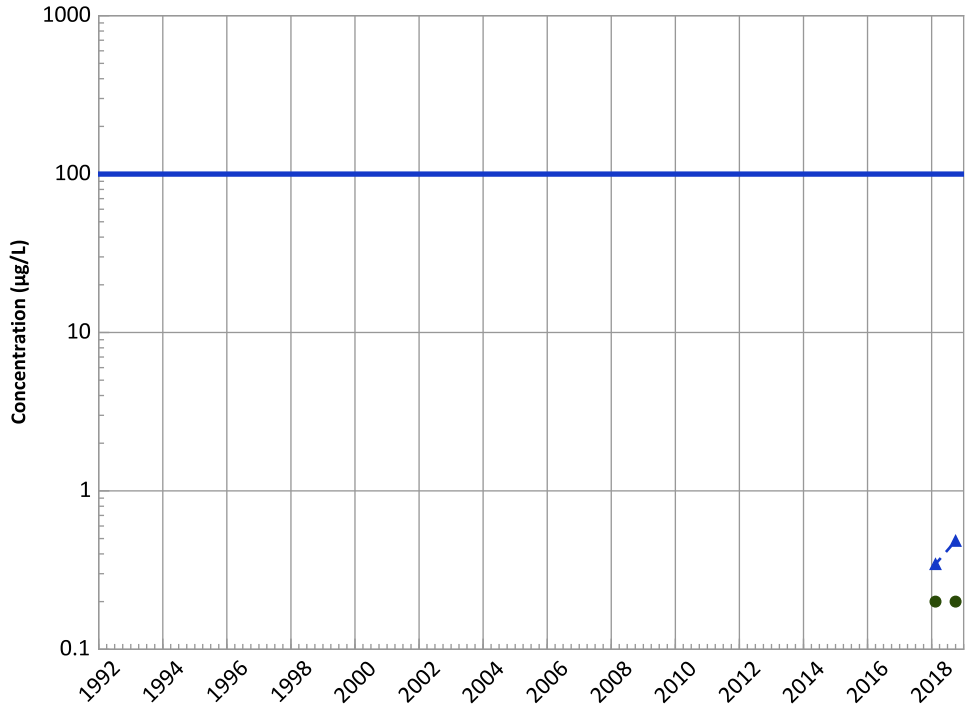
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1192 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

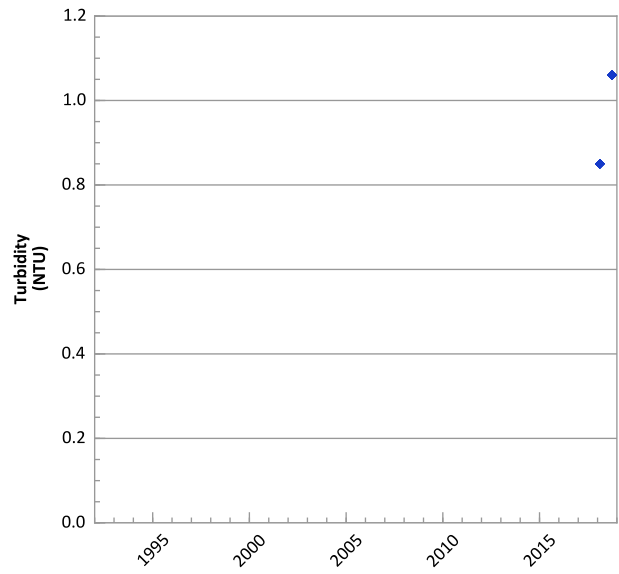
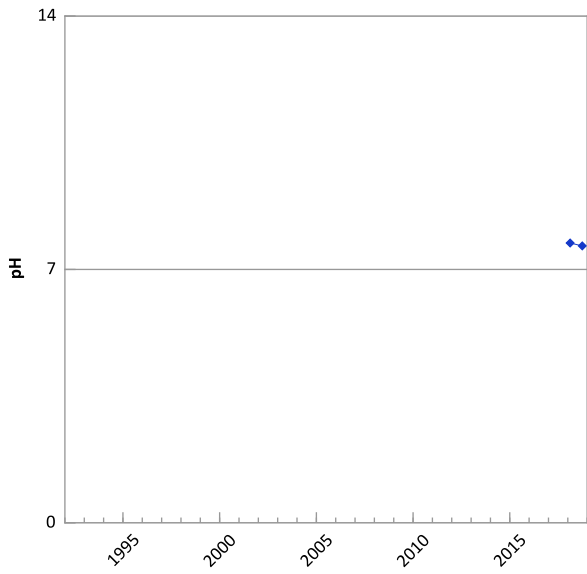
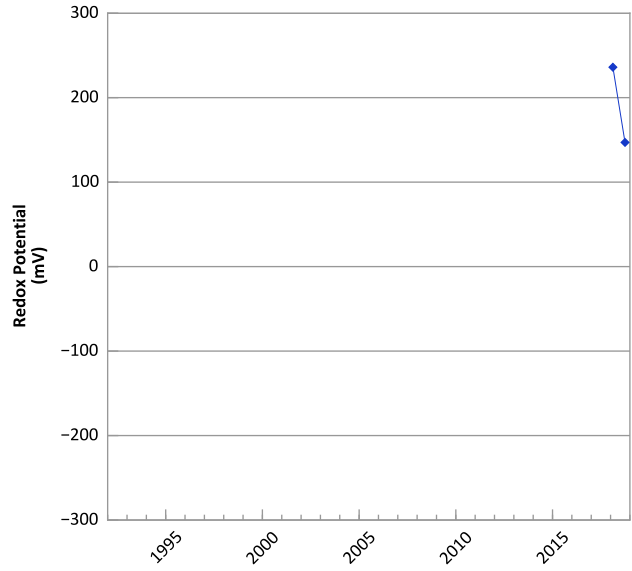
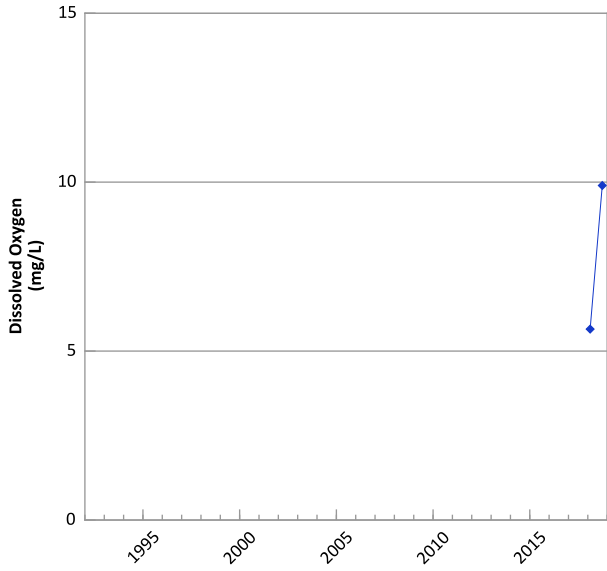
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

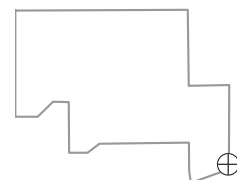


**PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



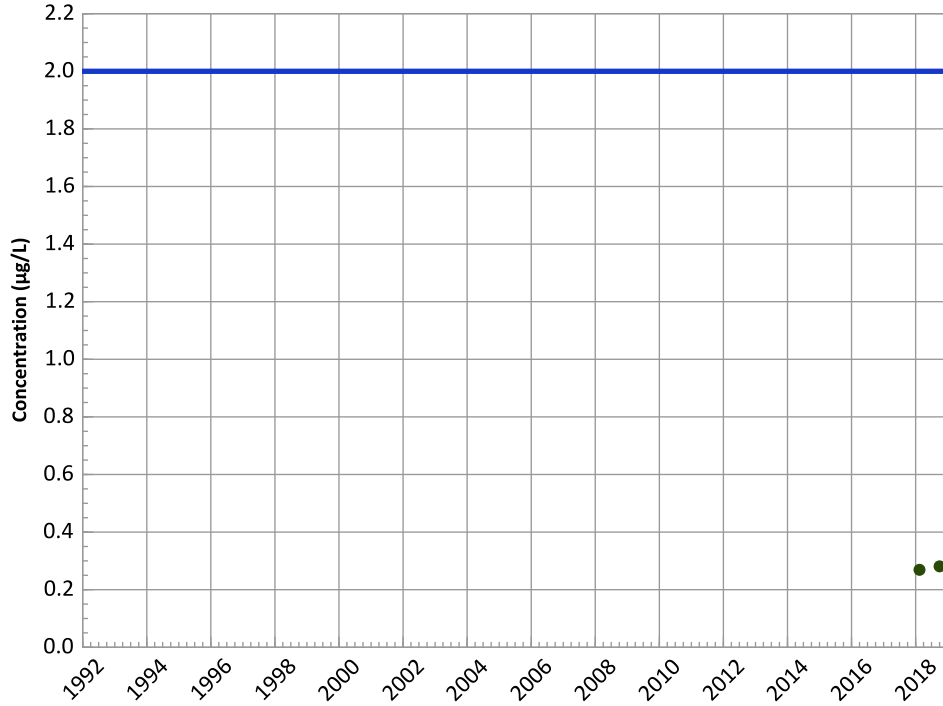
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 02/14/2018 to 10/01/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

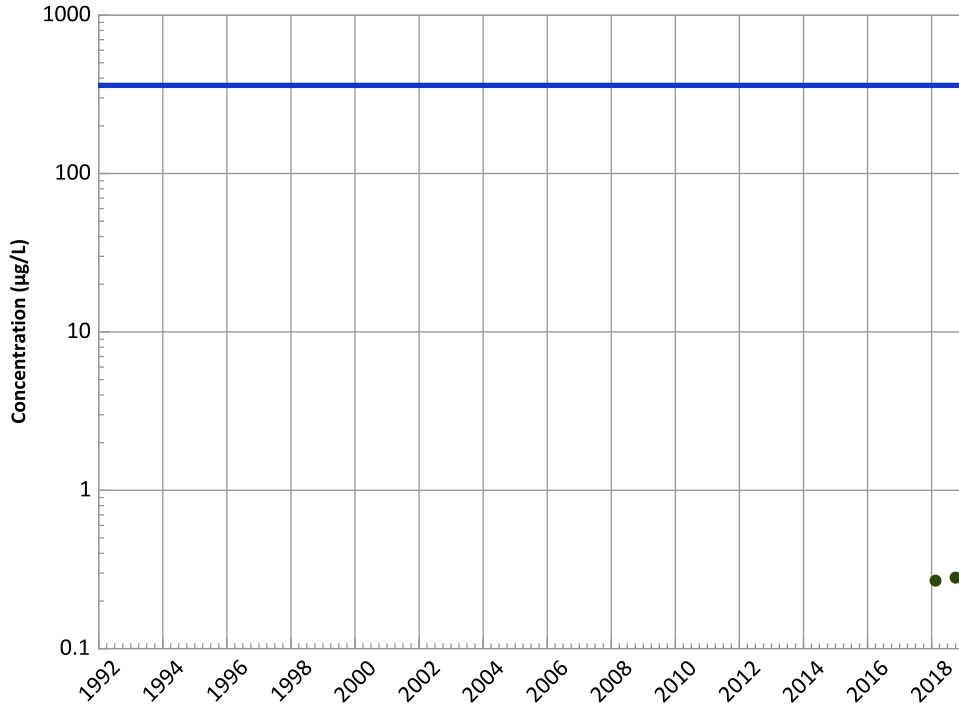
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

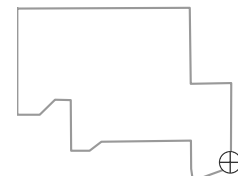
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

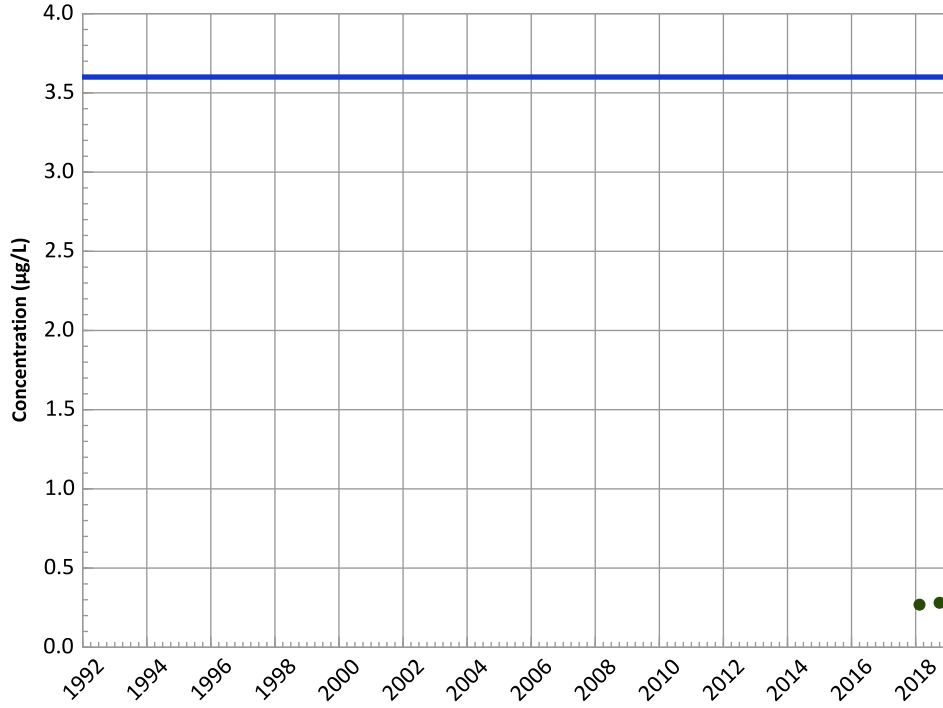


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

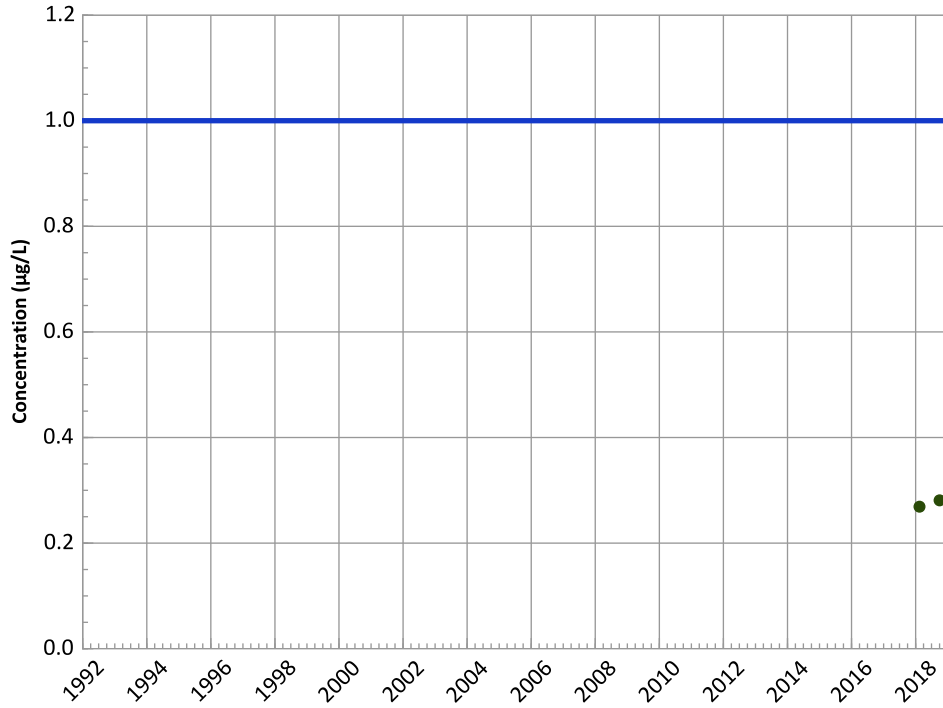
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

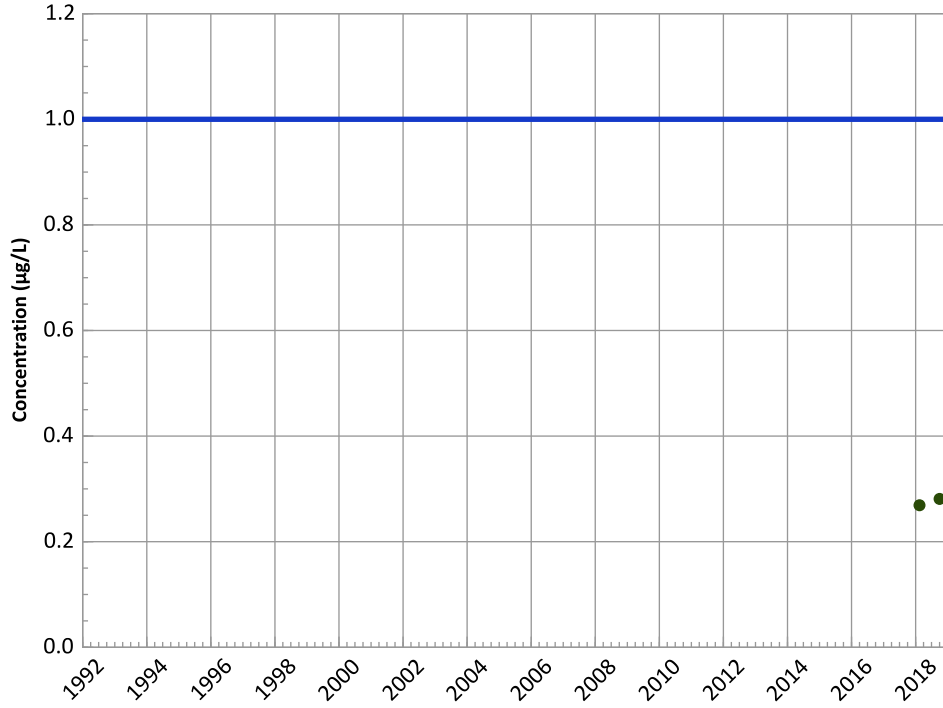


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

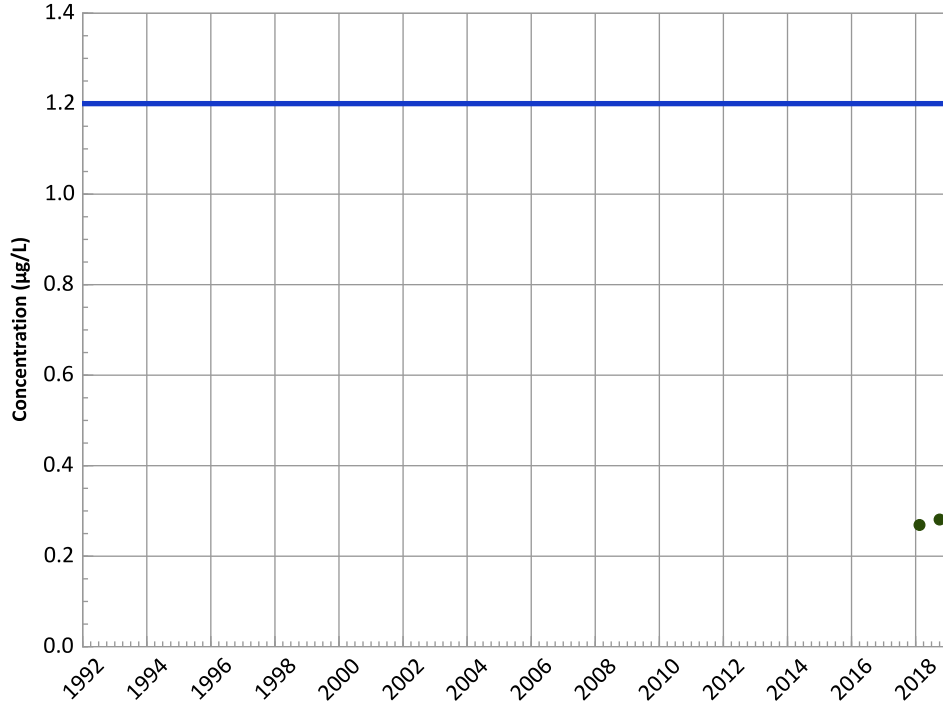
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

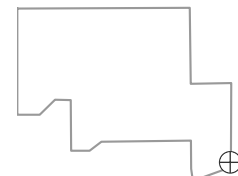
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

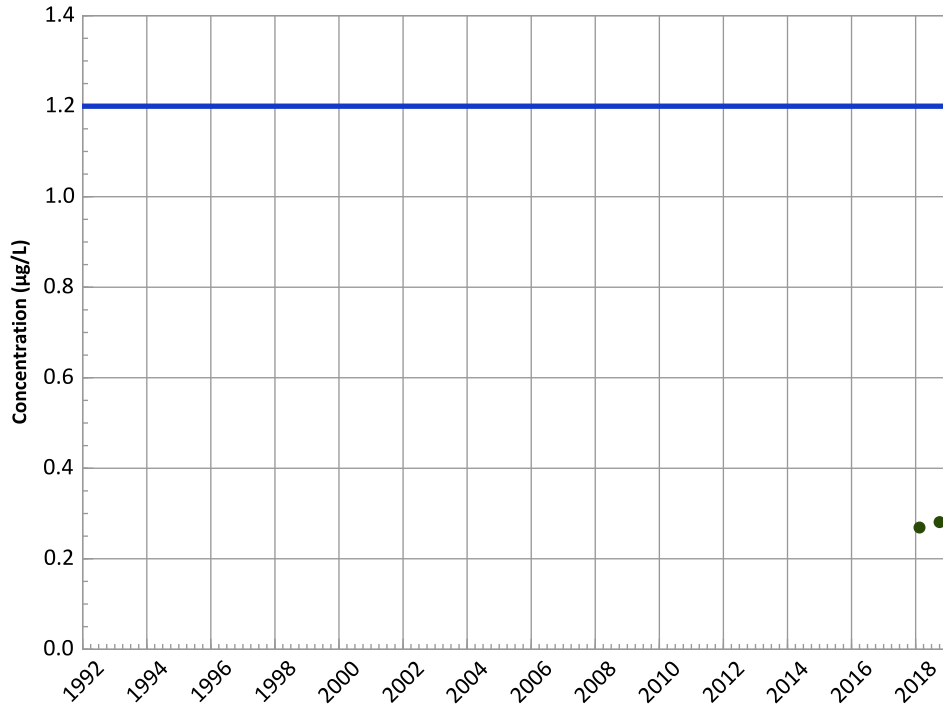


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

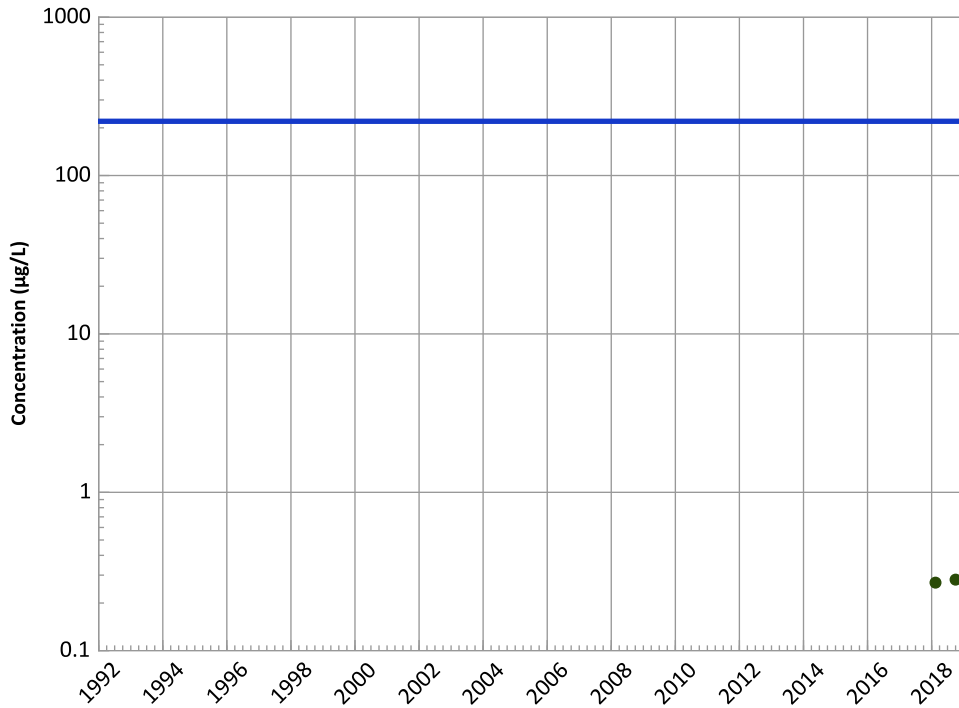
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

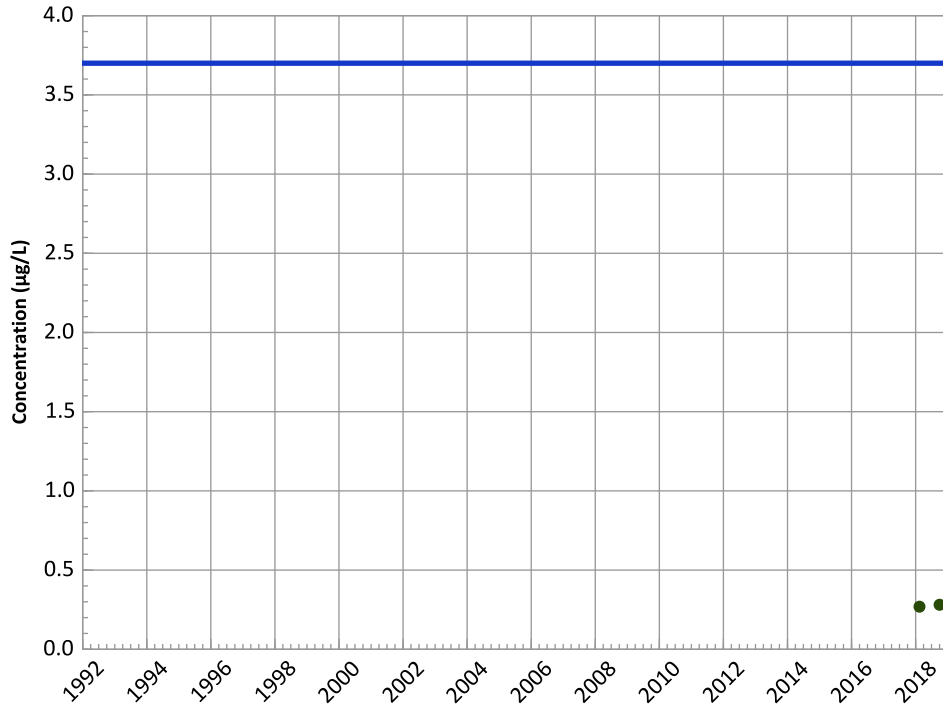


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

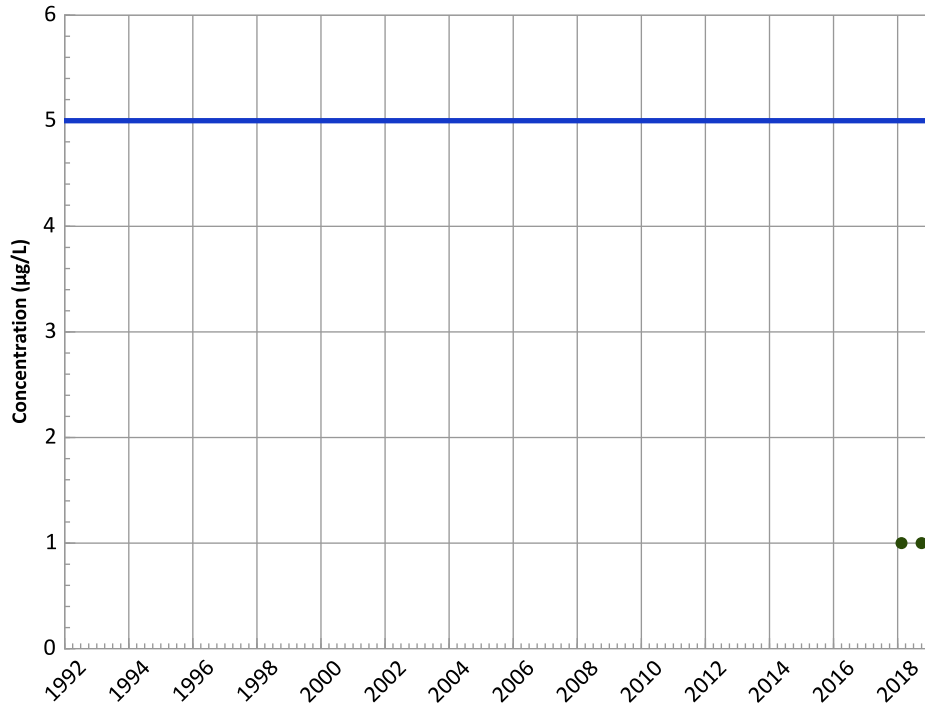
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

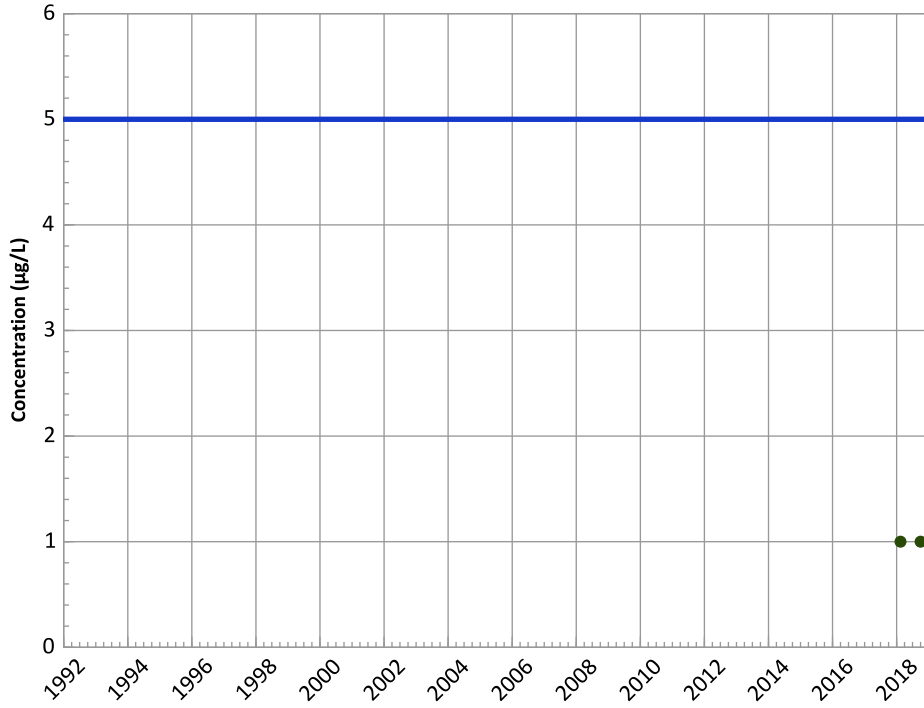


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

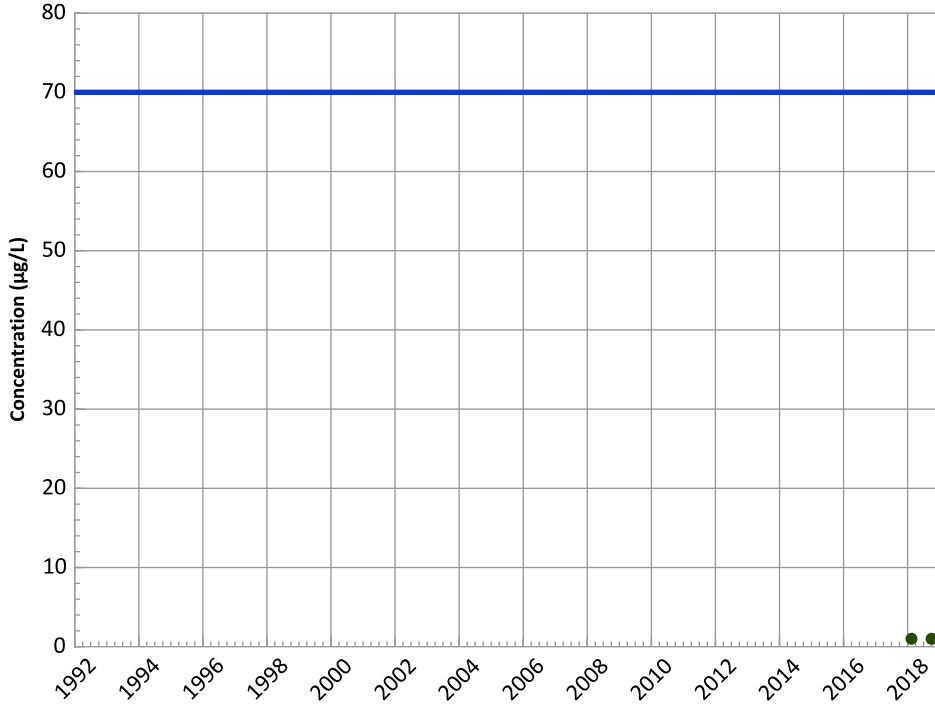
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

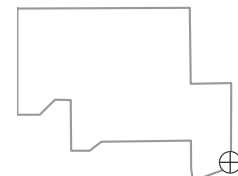
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

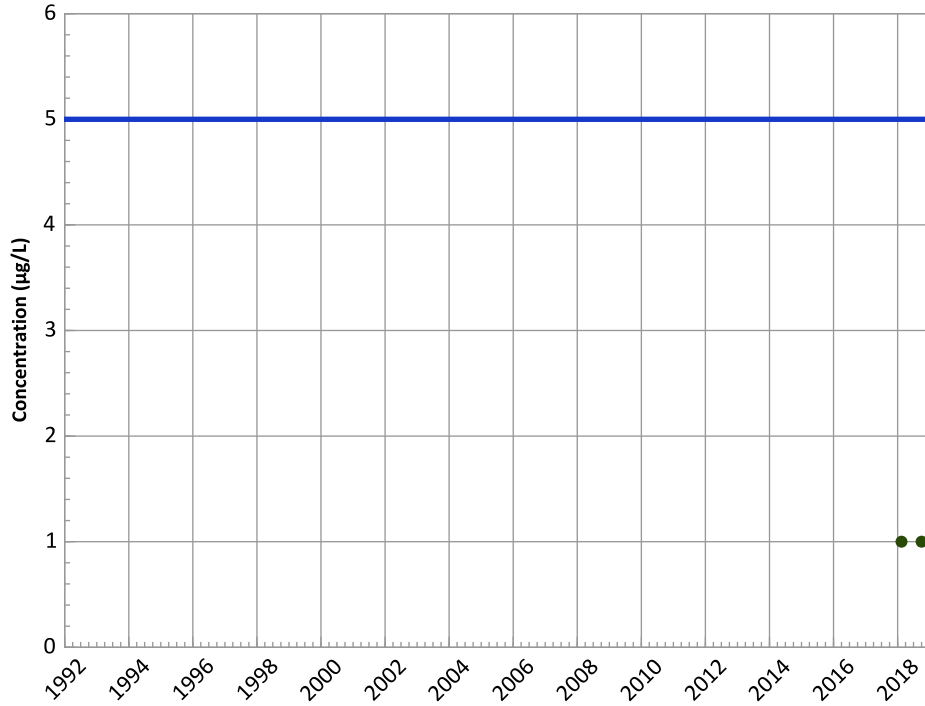
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

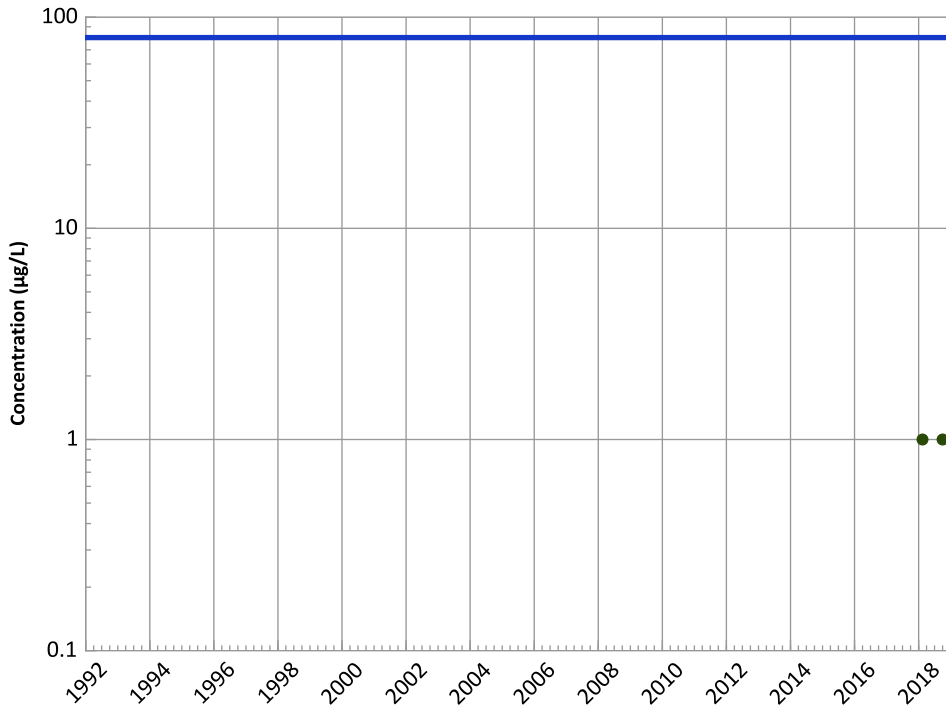


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

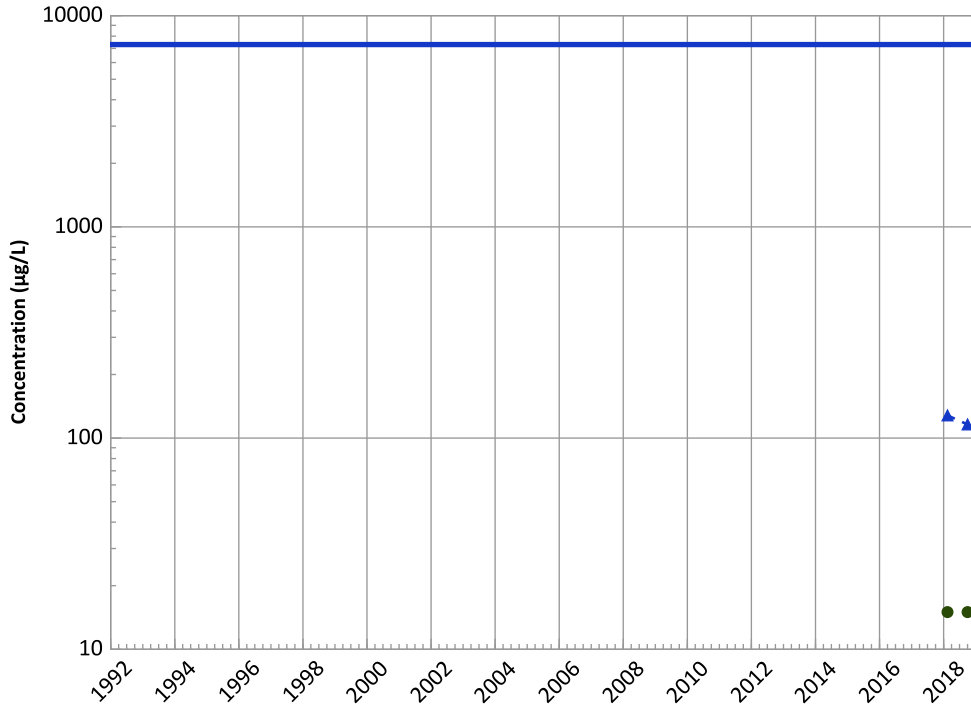


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

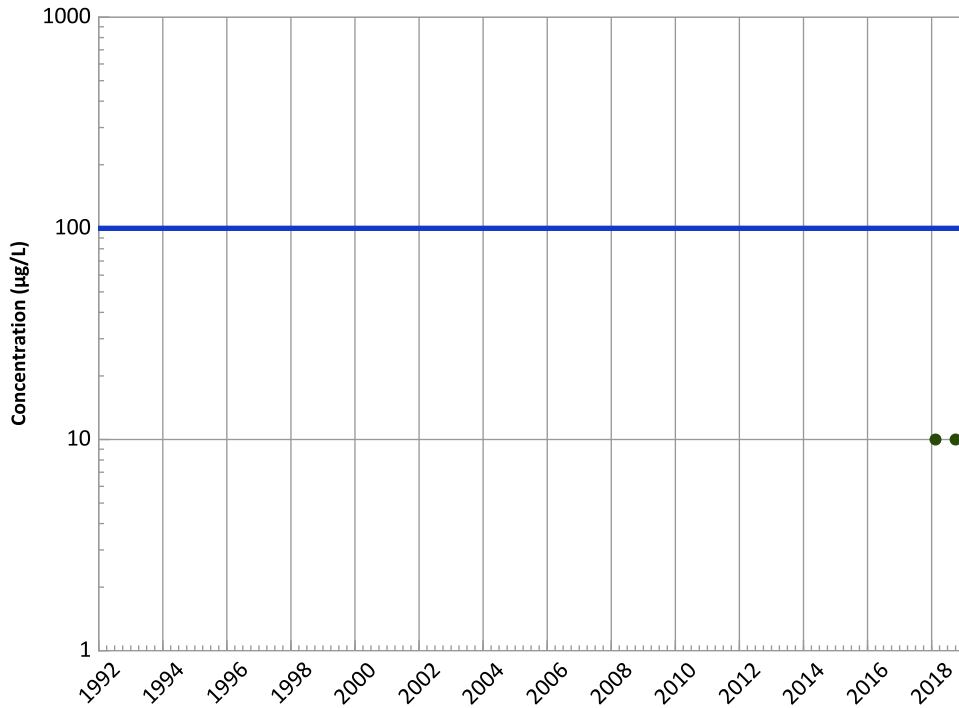


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

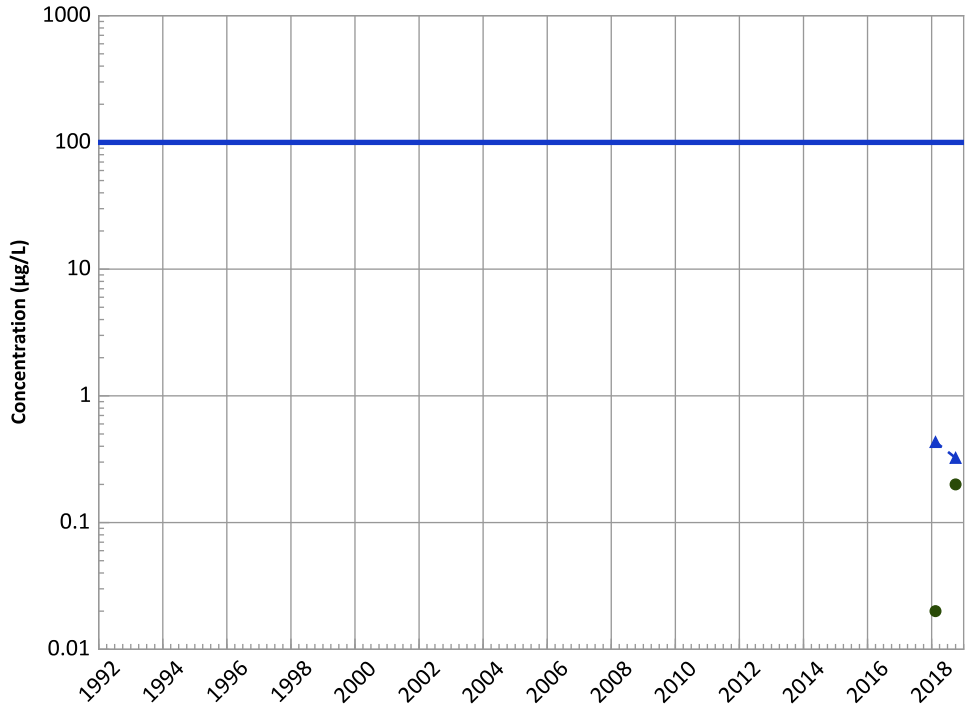
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1195 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

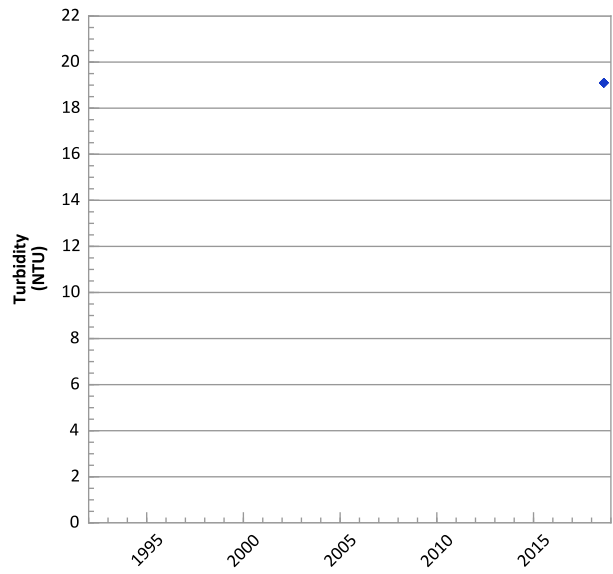
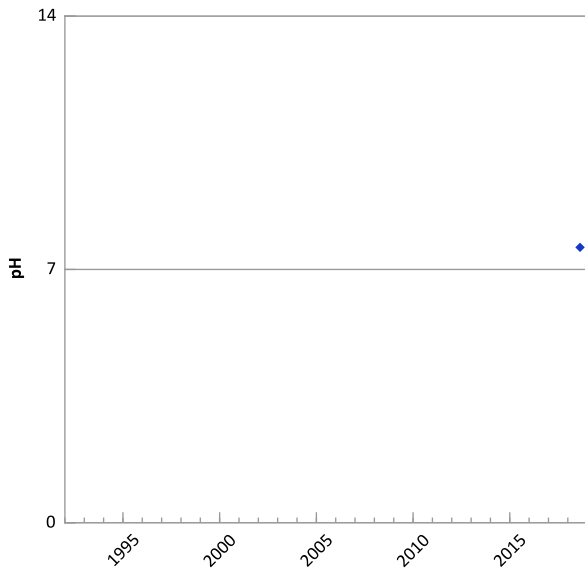
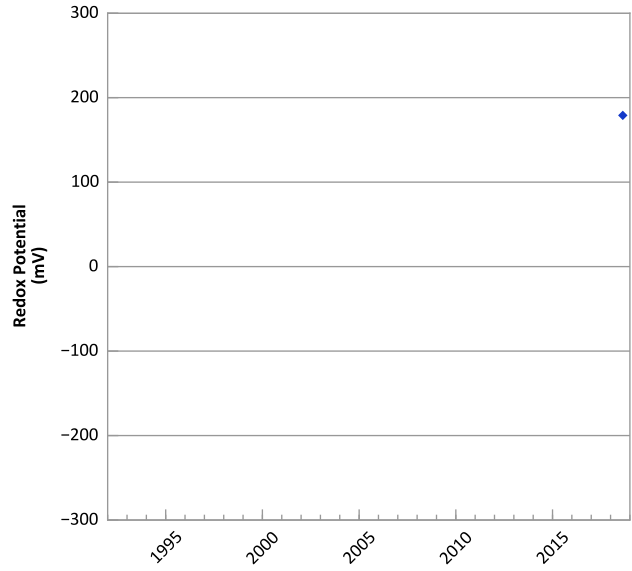
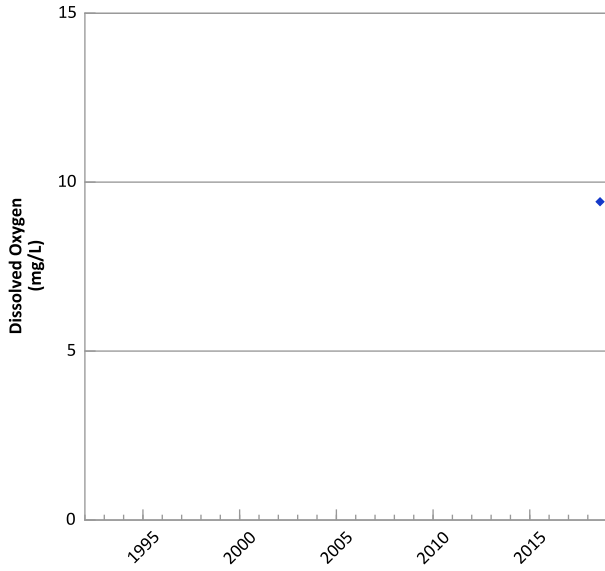
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/14/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

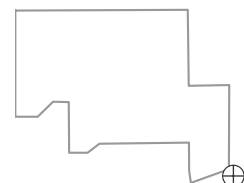


**PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



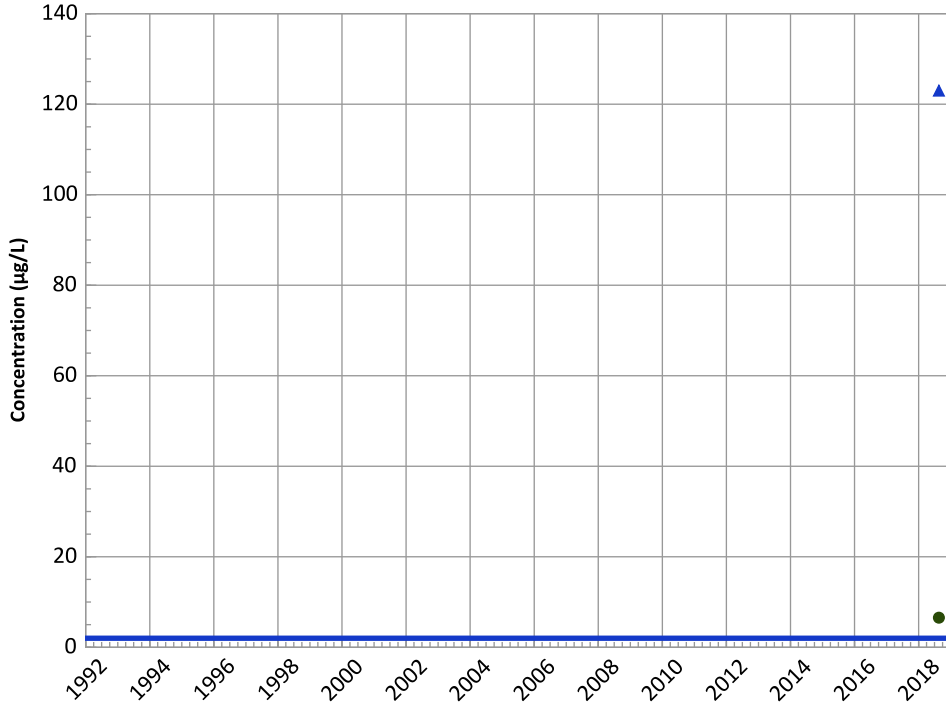
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/20/2018 to 08/20/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

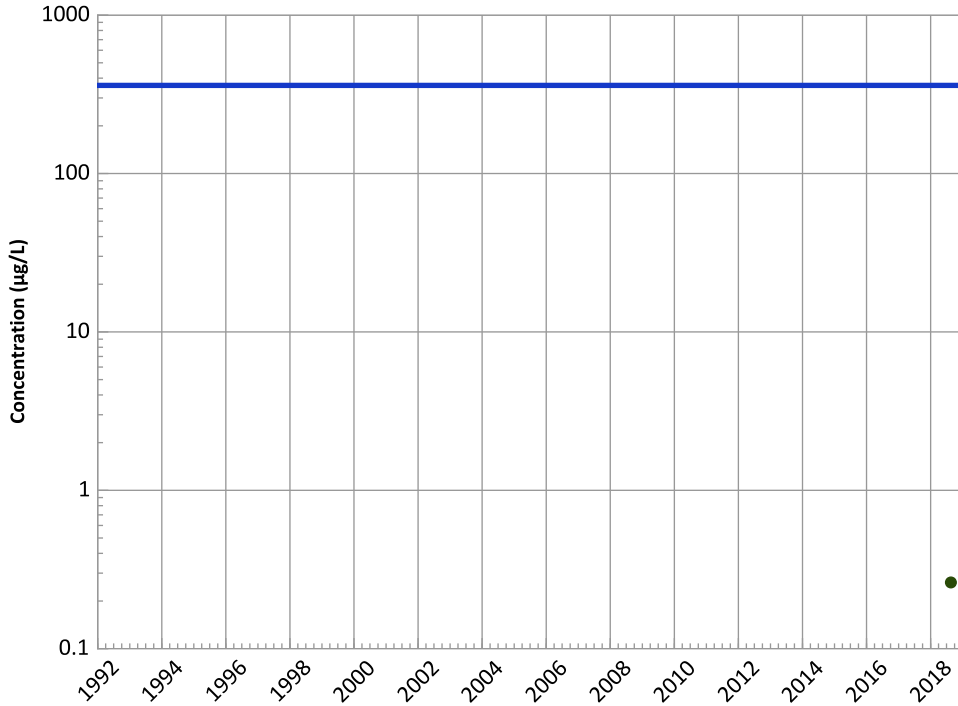
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

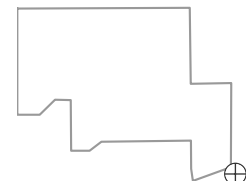
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

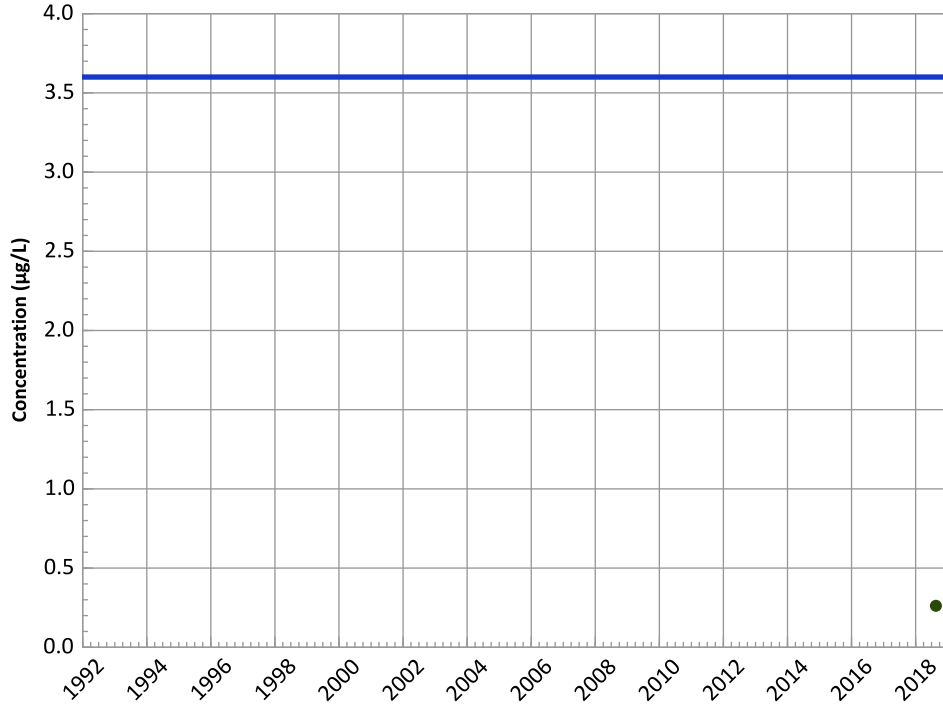


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

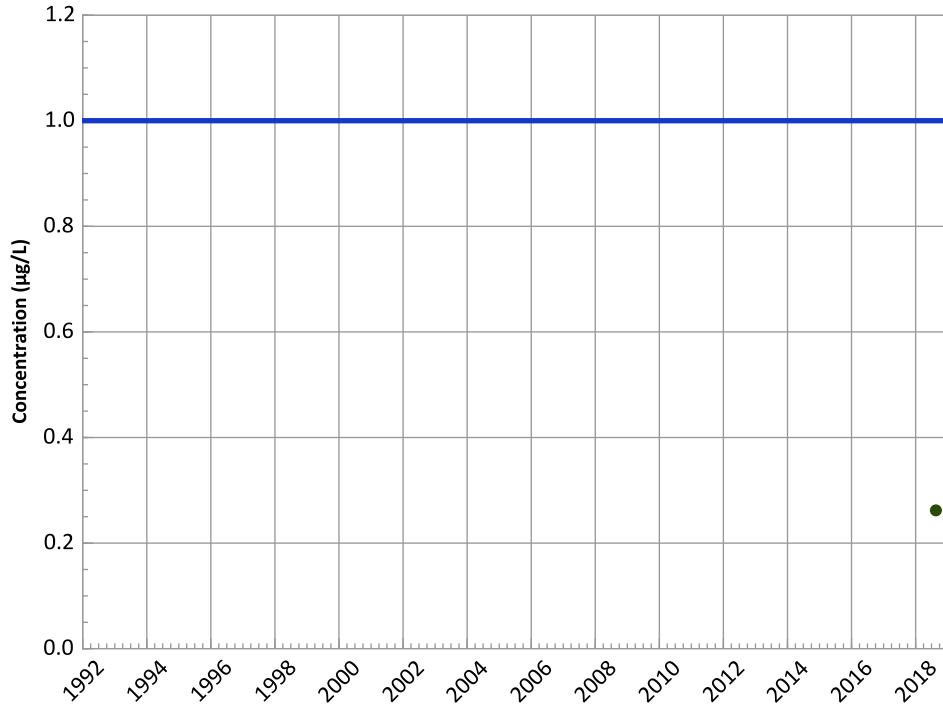
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

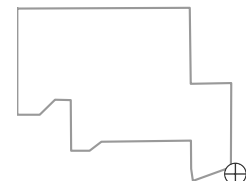
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

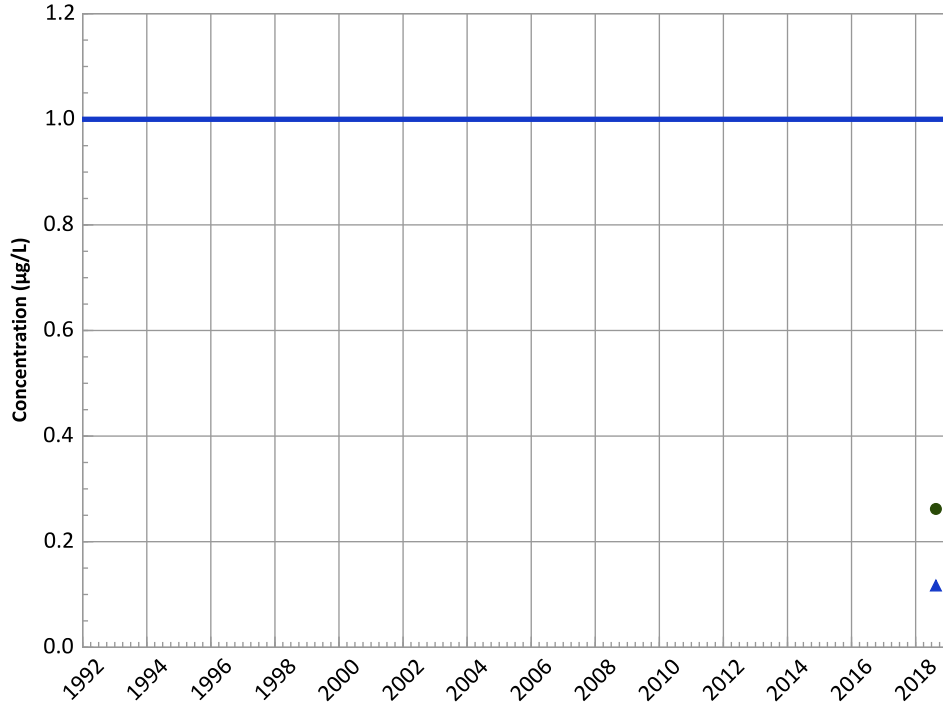


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

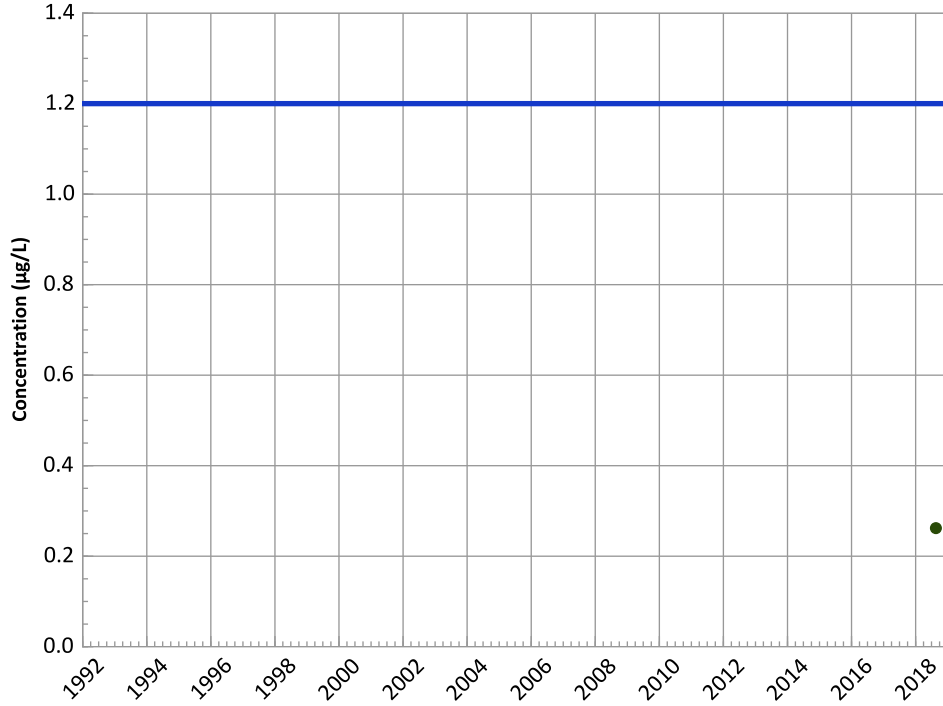
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

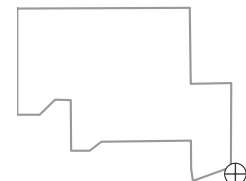
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

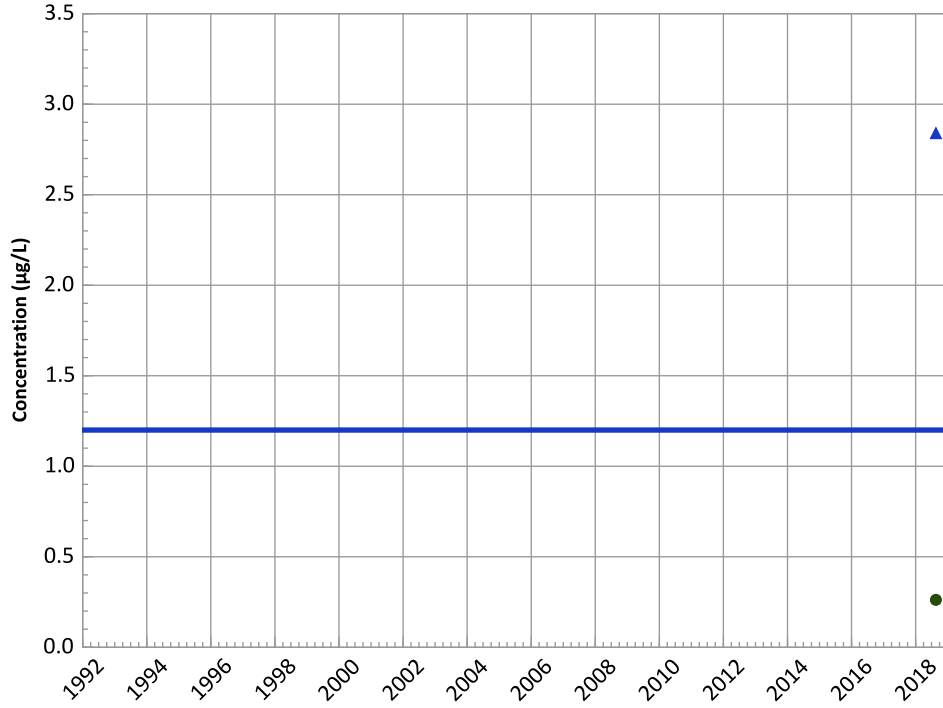


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

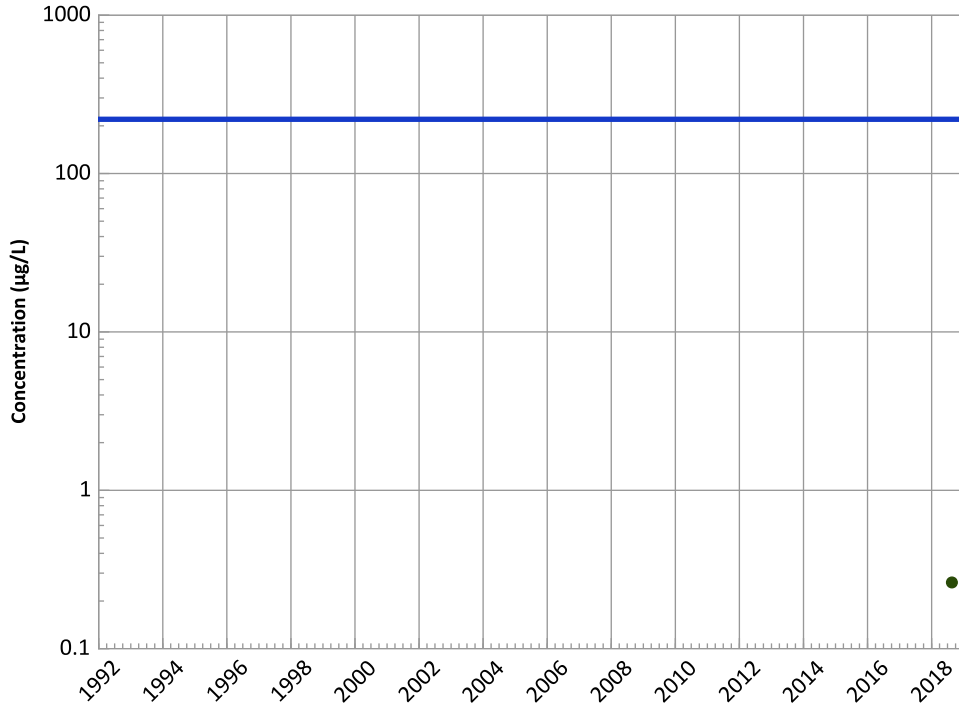
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

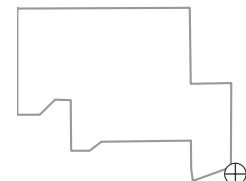
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

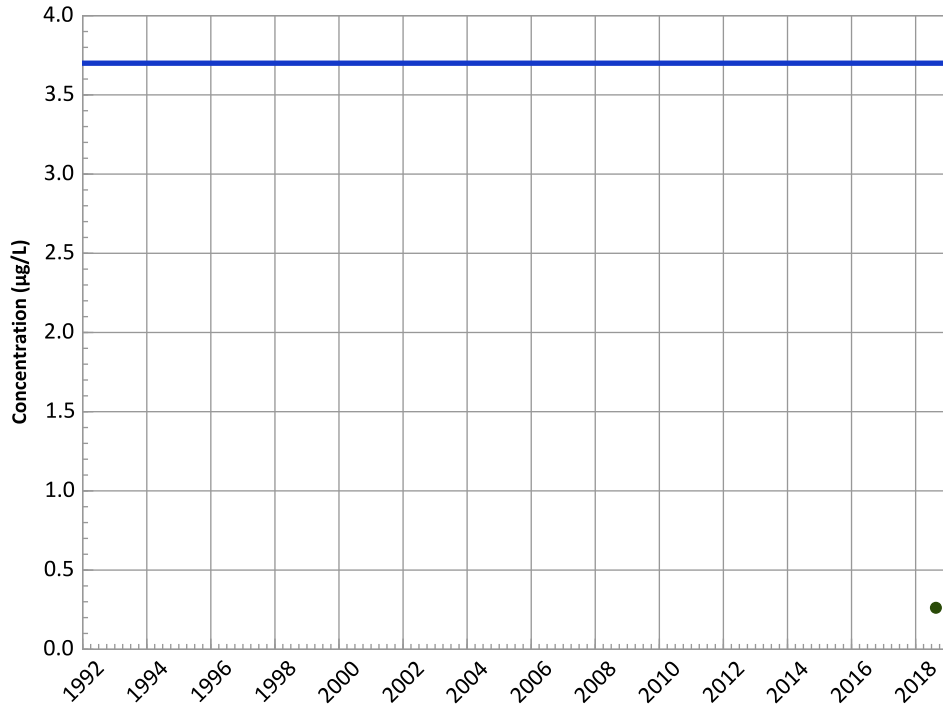


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

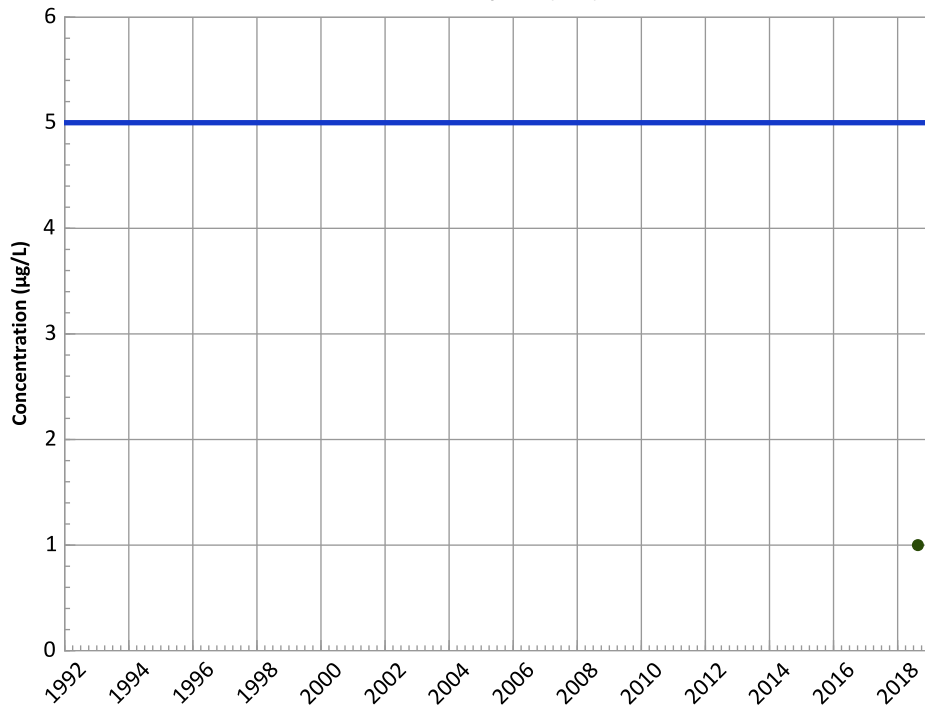
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

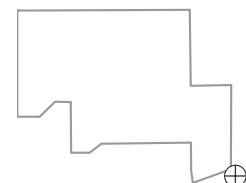
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

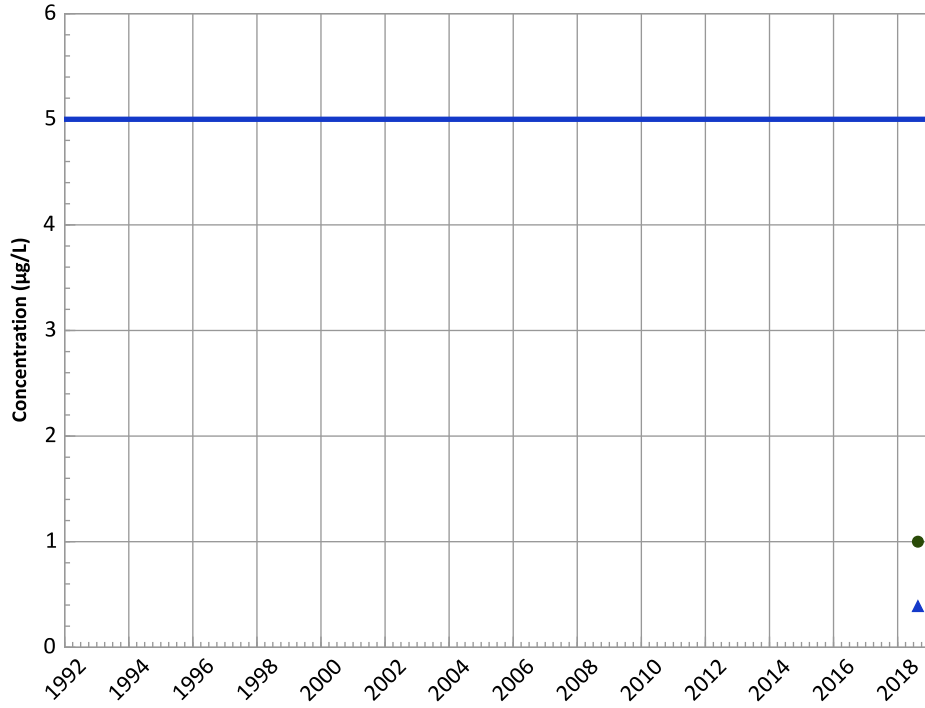


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

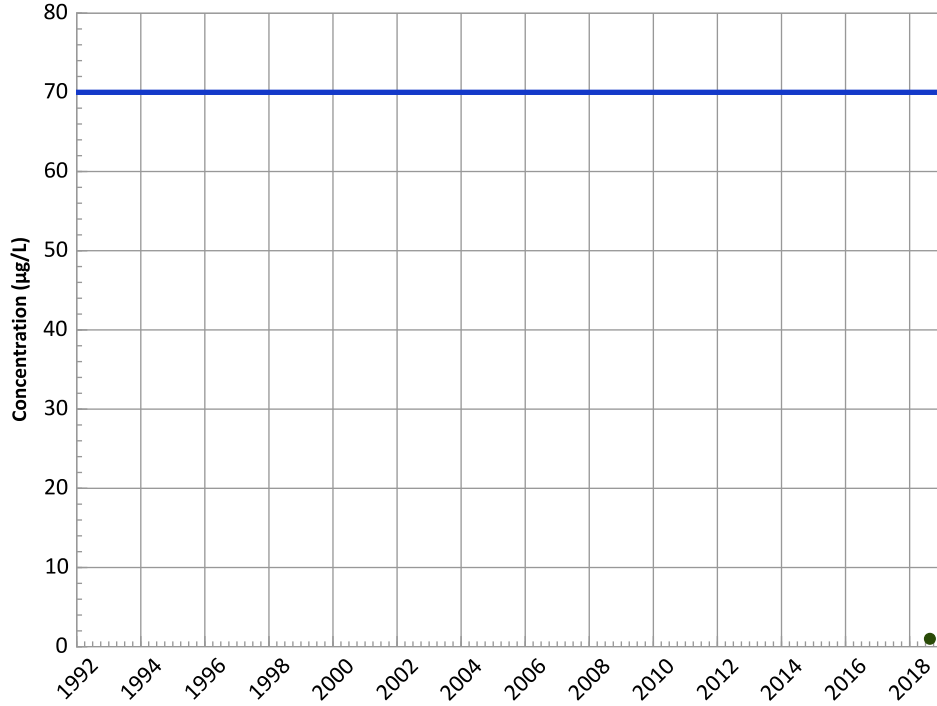
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

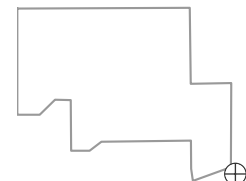
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

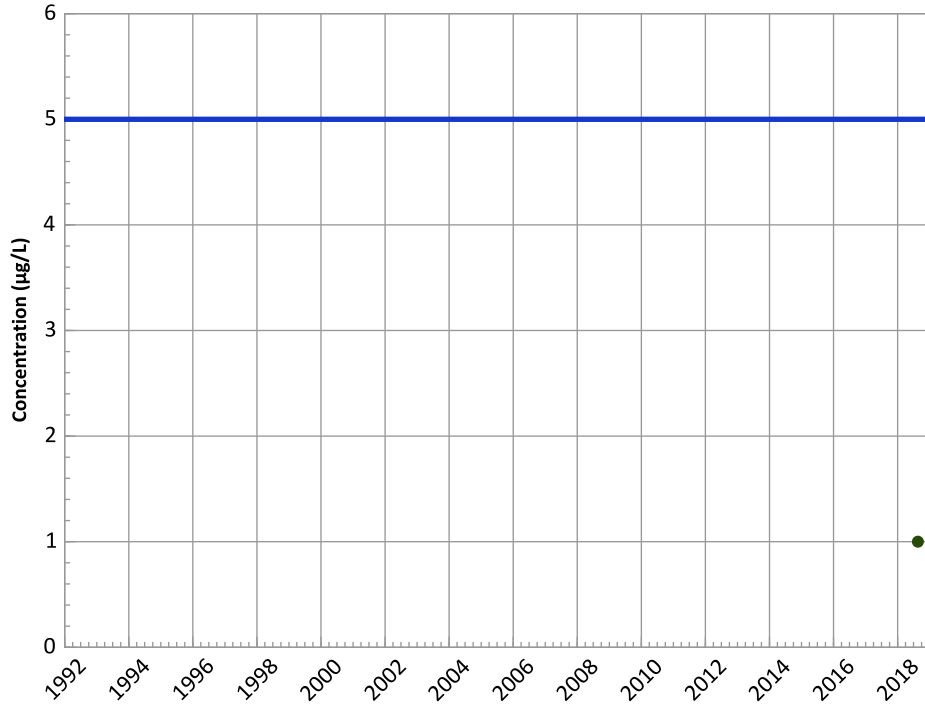
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

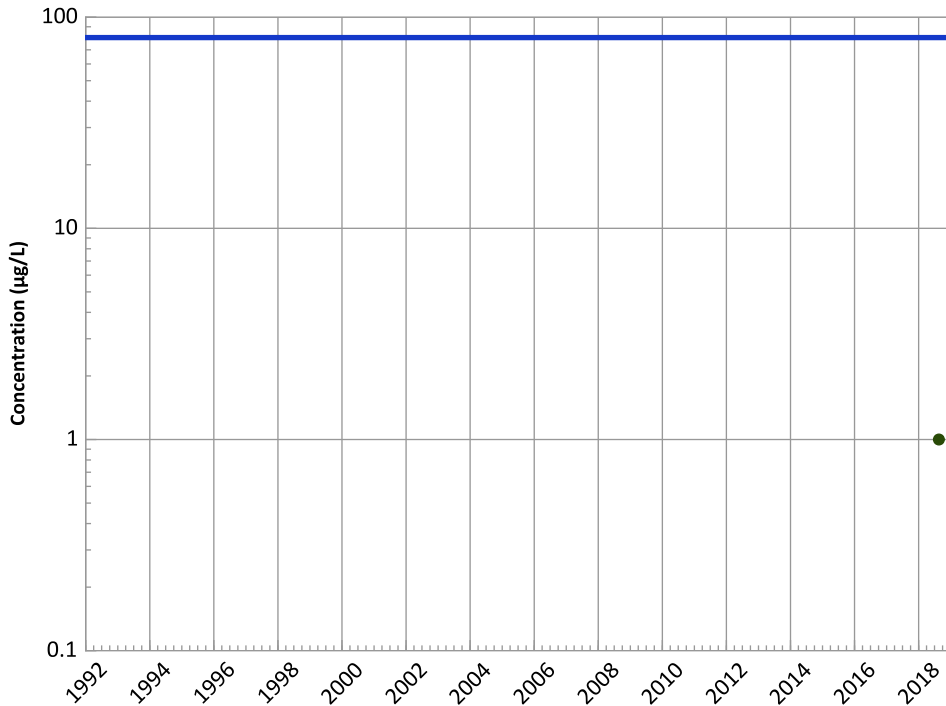
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

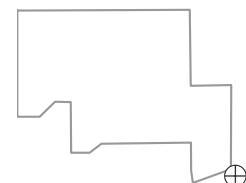
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

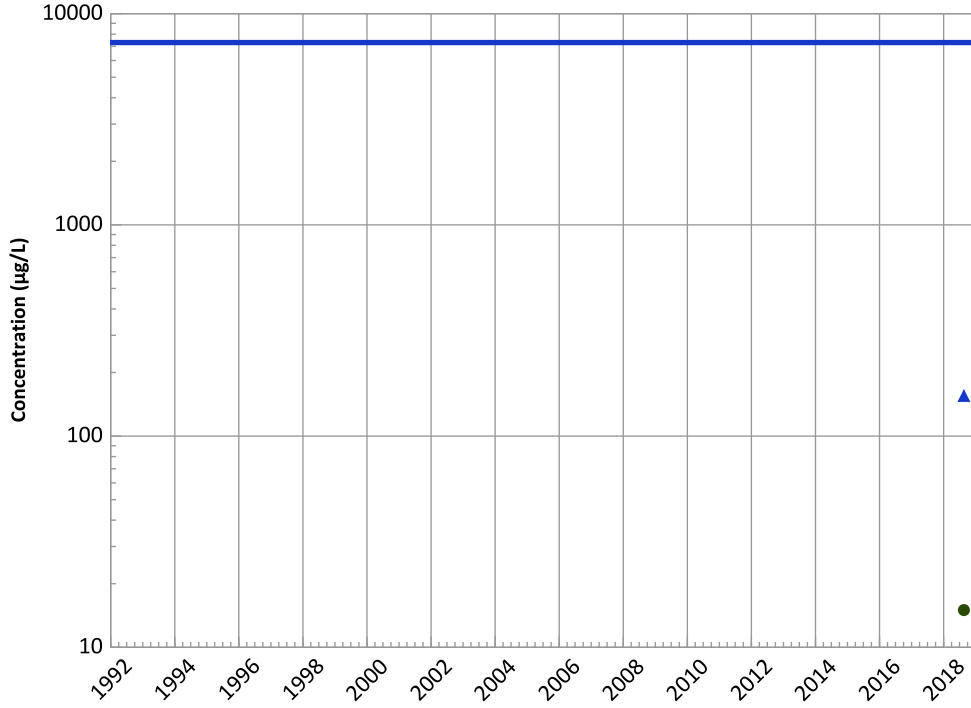


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)

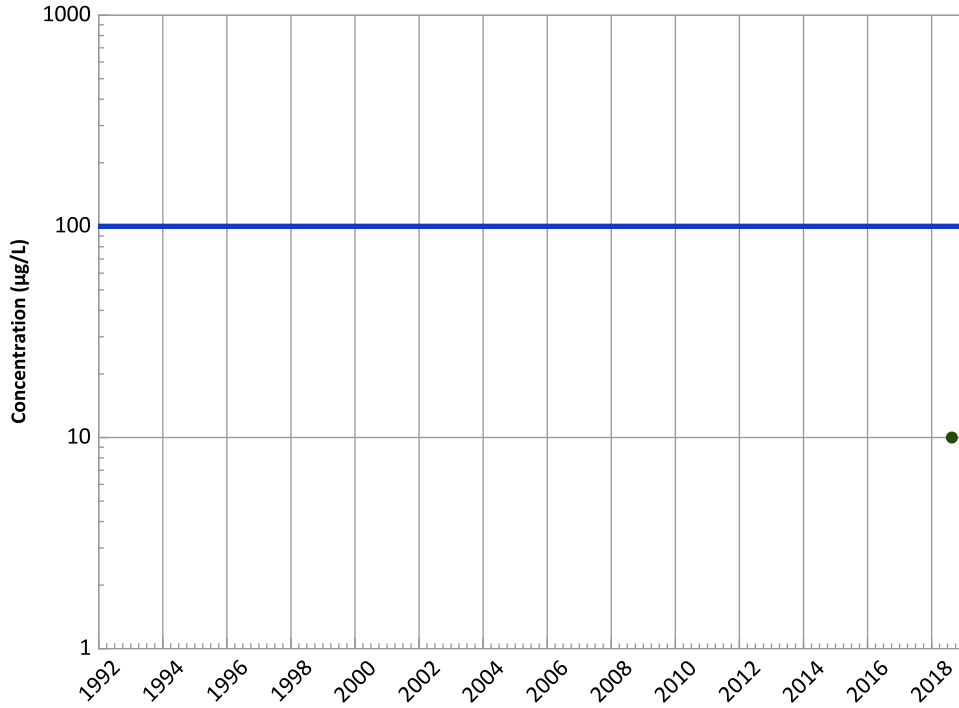
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
N/A (<4 Samples in Dataset)

All Data:
N/A (<4 Detections in Dataset)

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)

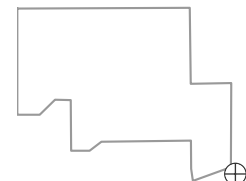
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
N/A (<4 Samples in Dataset)

All Data:
All Non-Detect

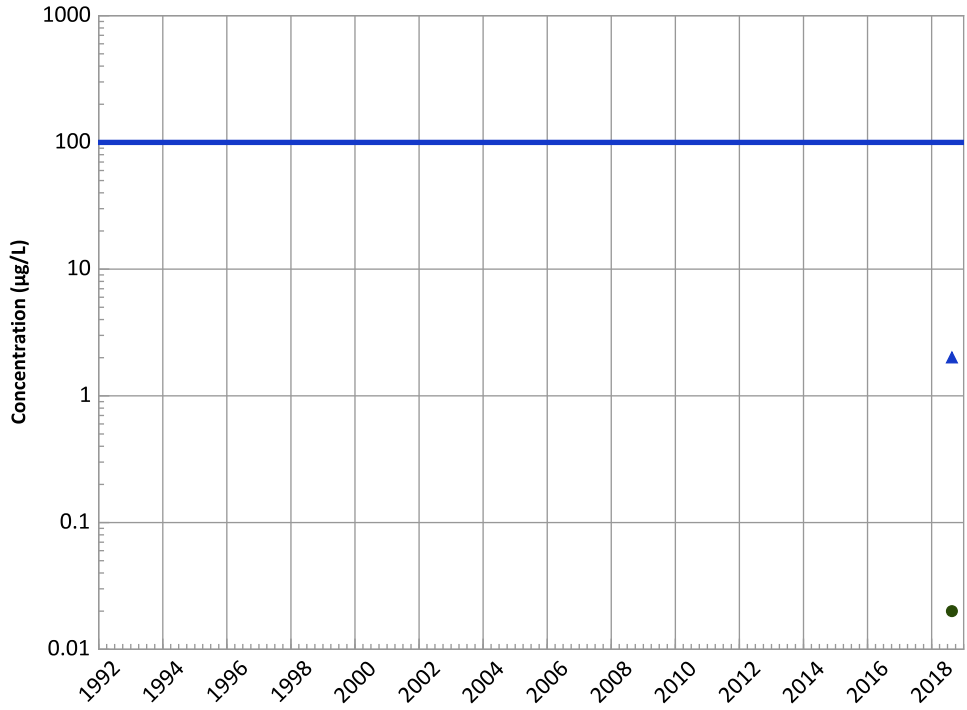
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1197 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

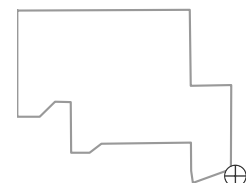
All Data:

N/A (<4 Detections in Dataset)

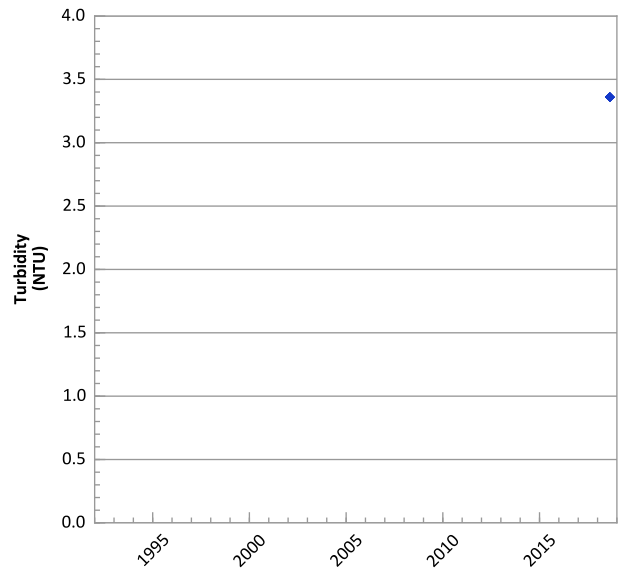
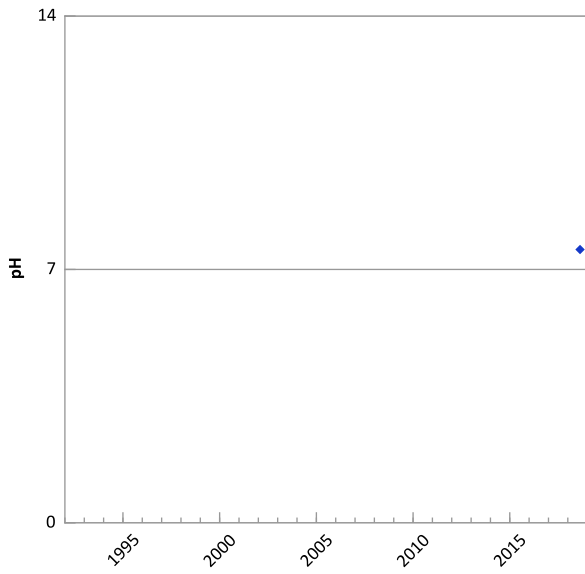
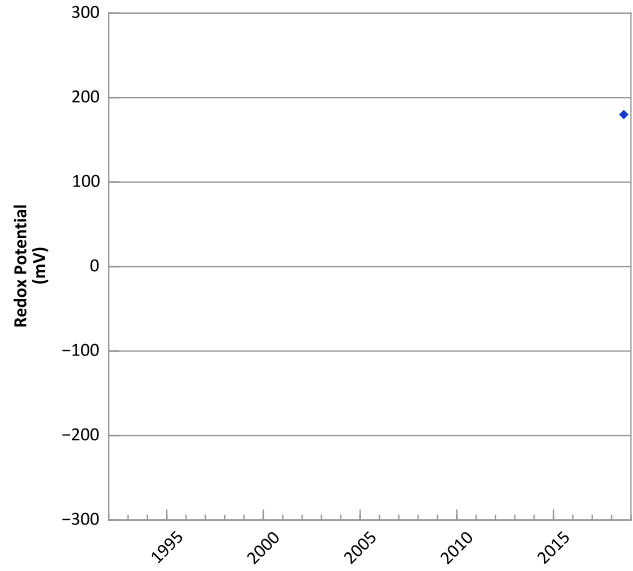
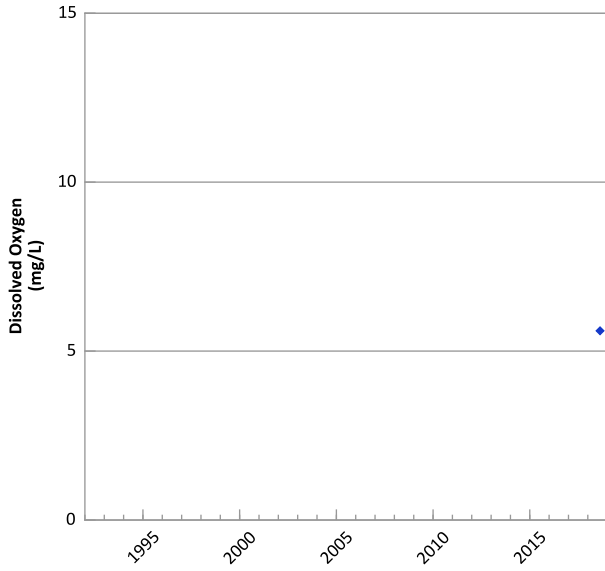
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

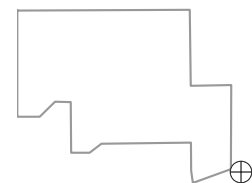


PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters



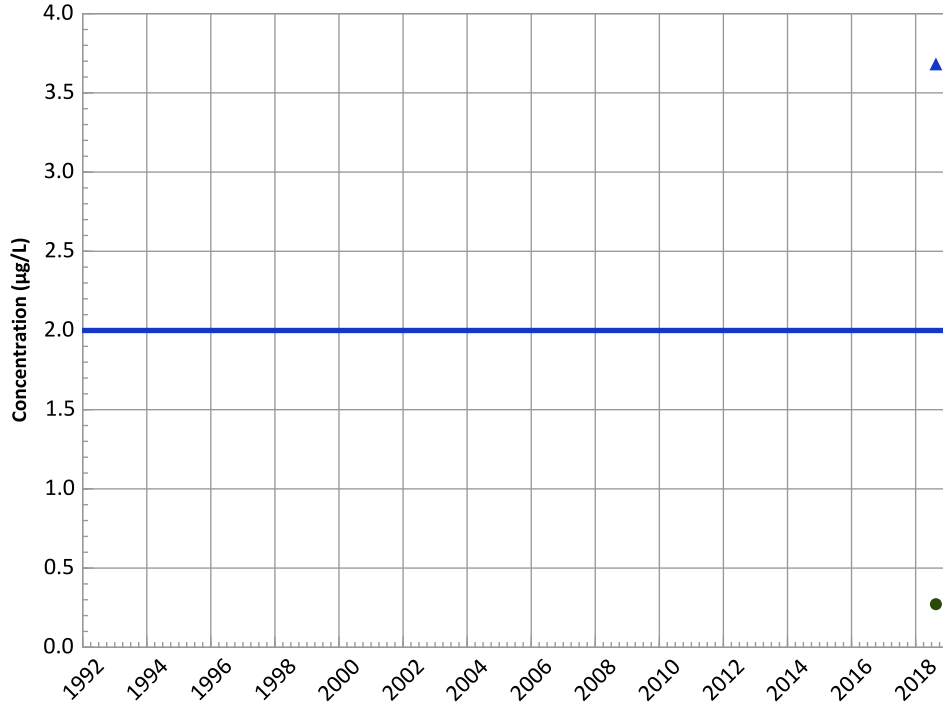
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

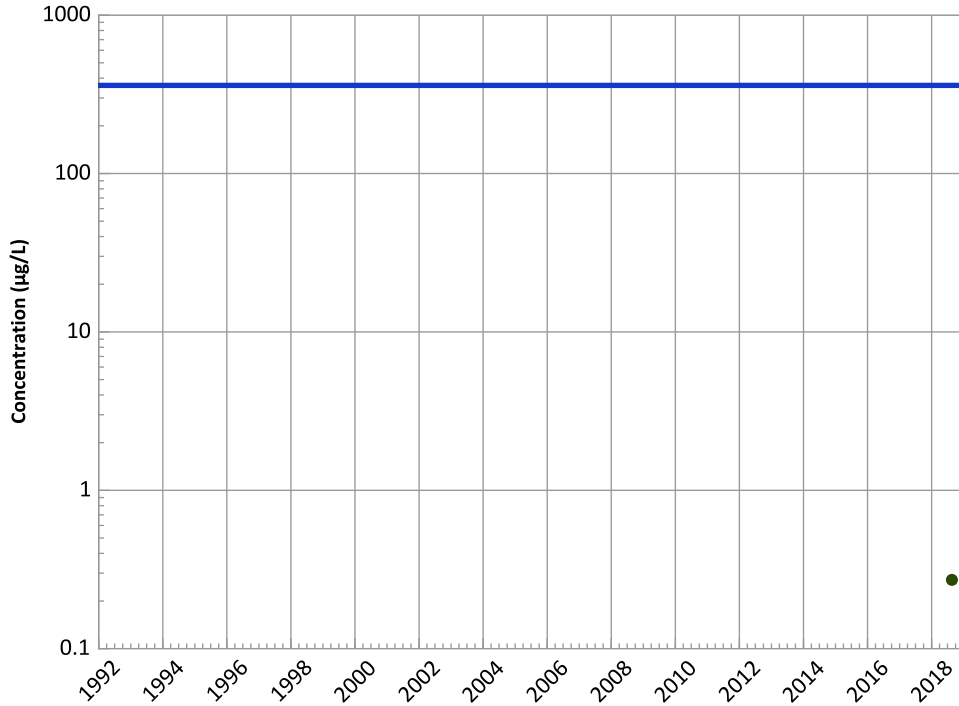
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

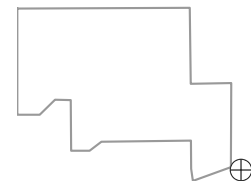
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

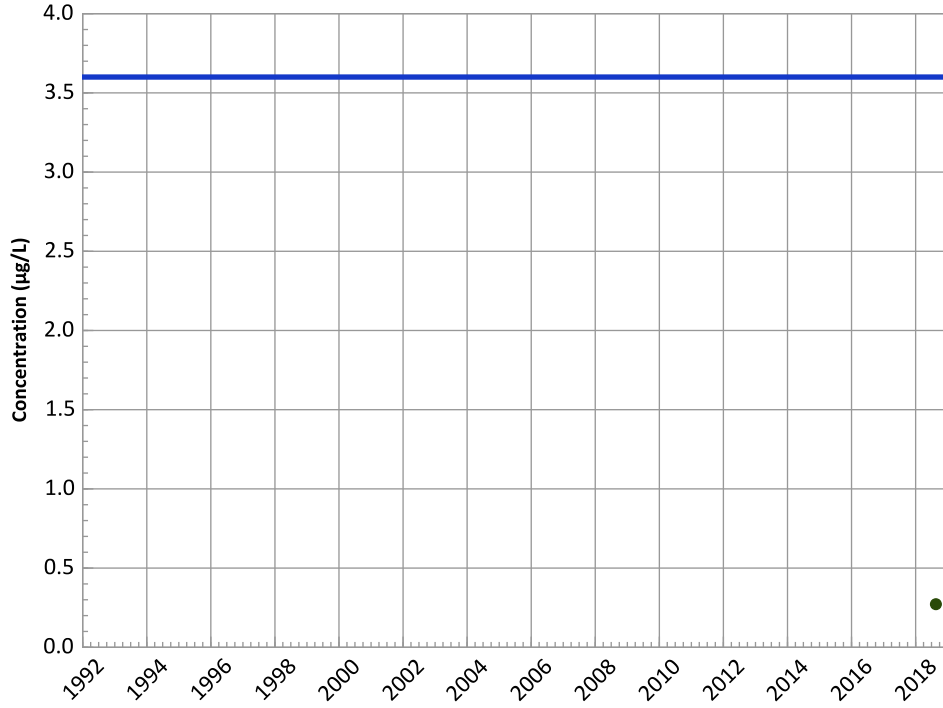


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

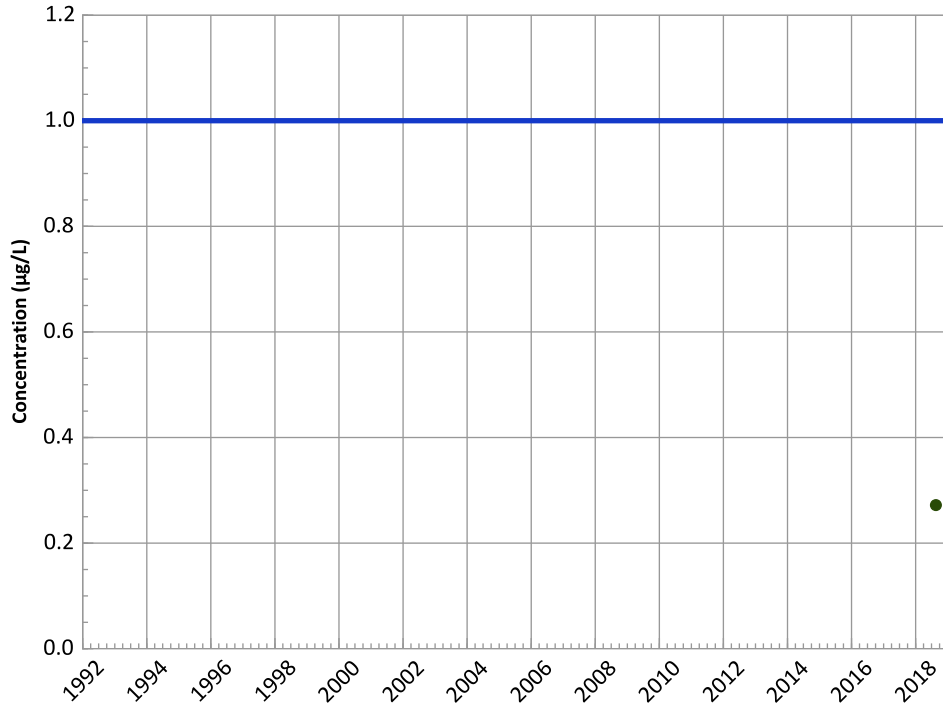
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

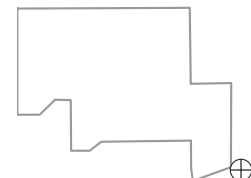
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

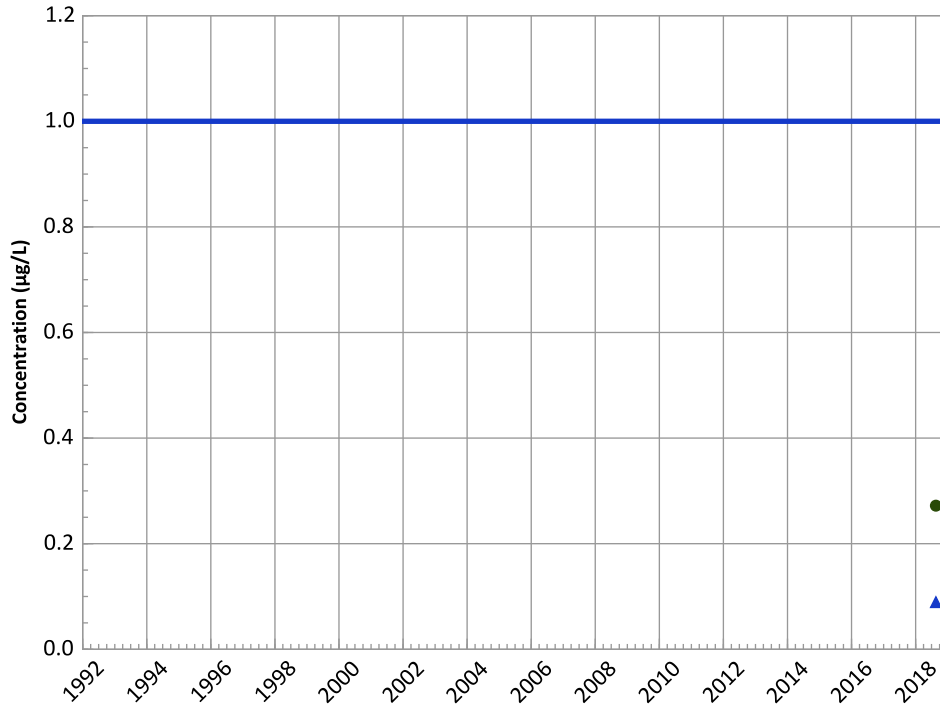


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

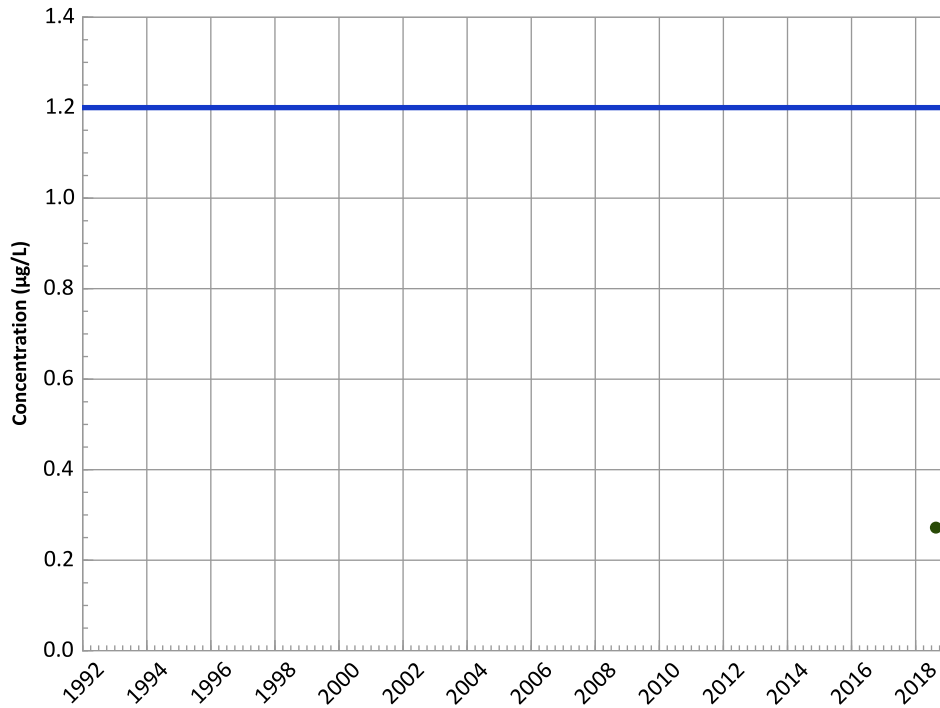
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

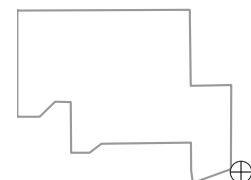
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

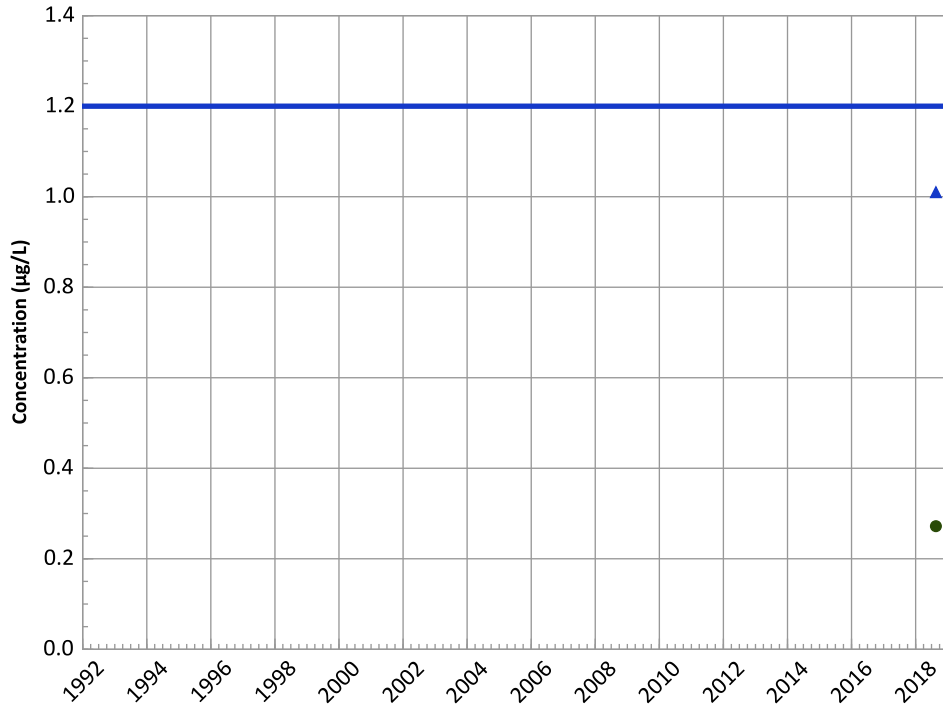


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

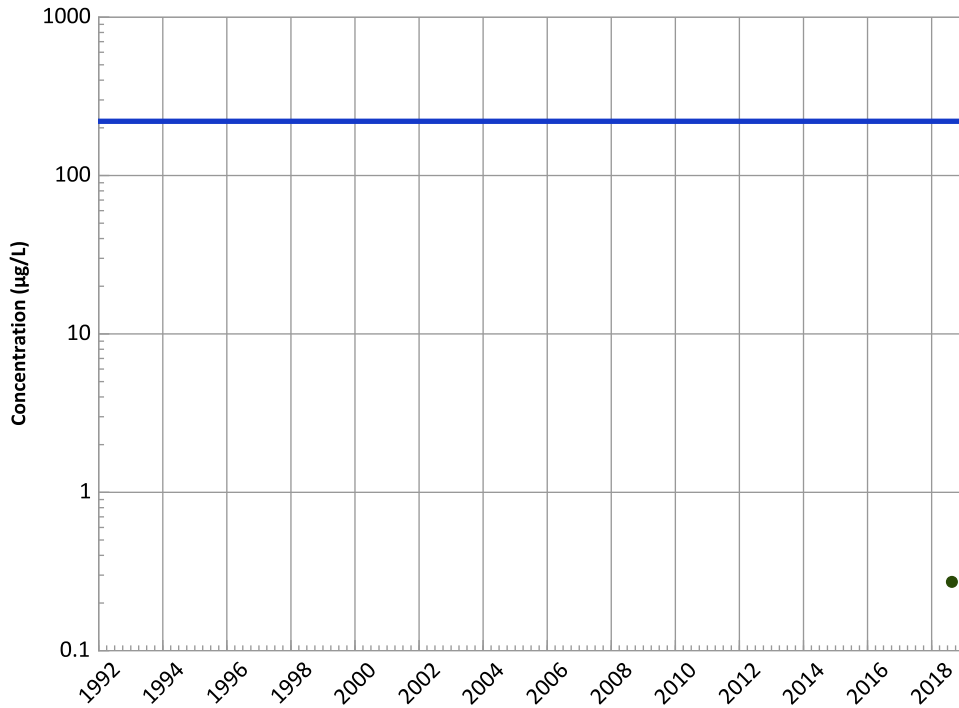
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

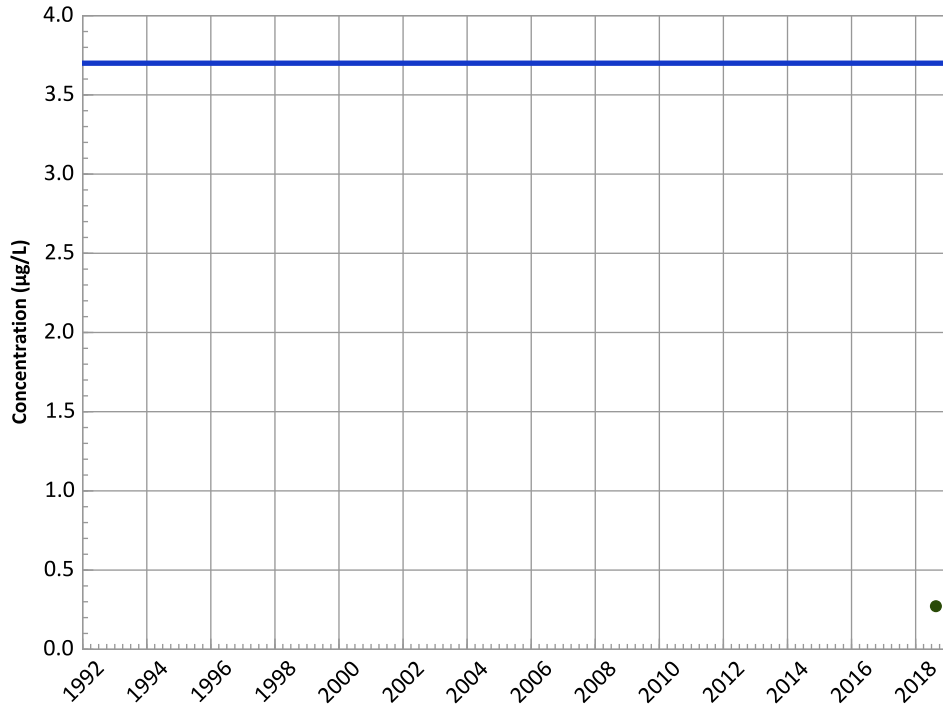


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

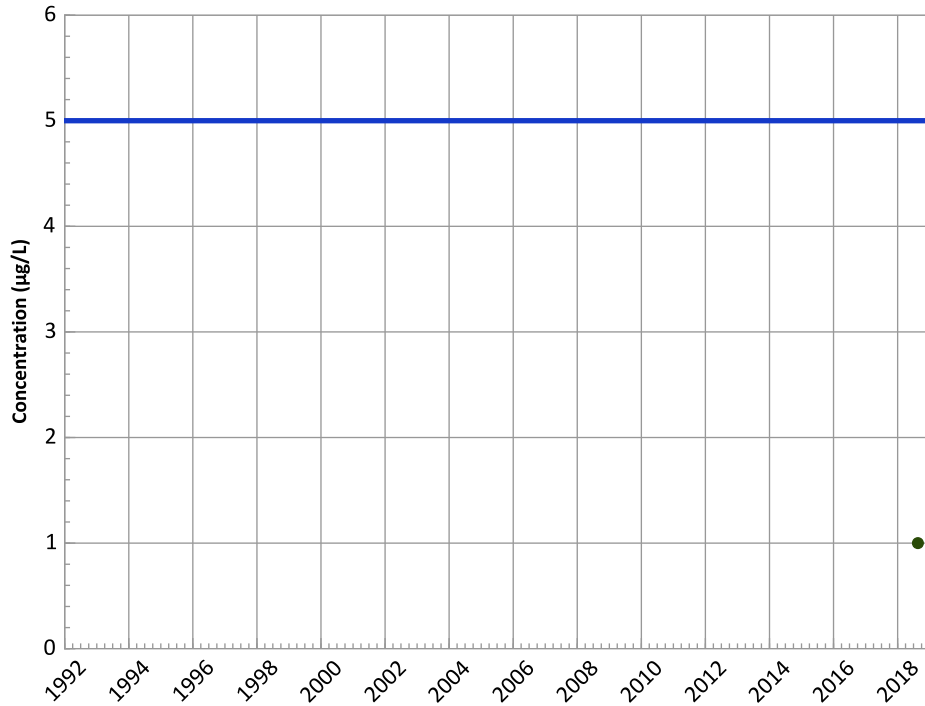
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

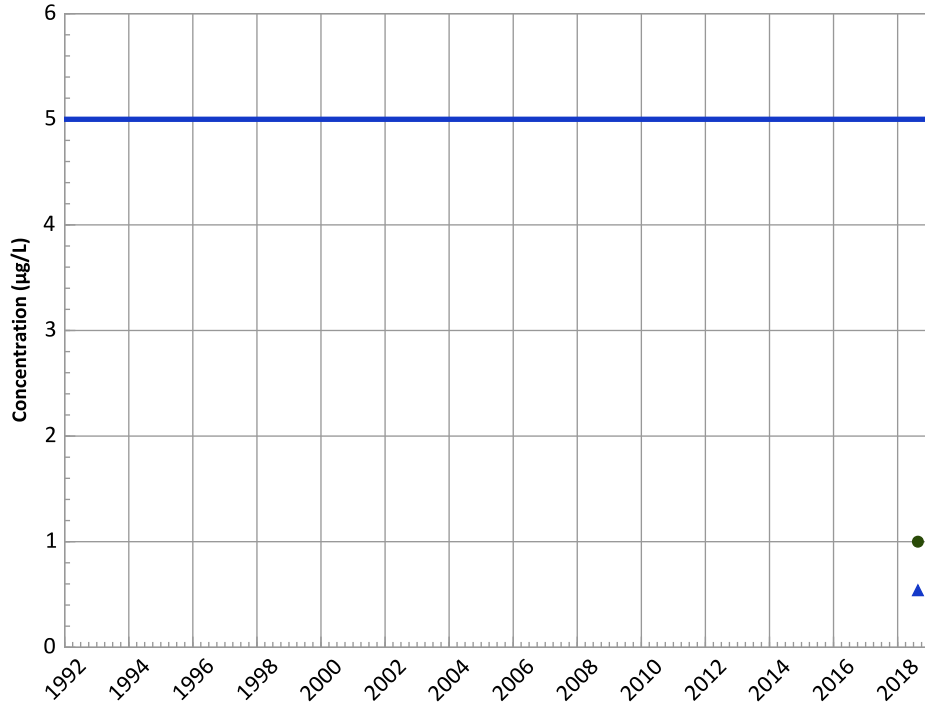


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

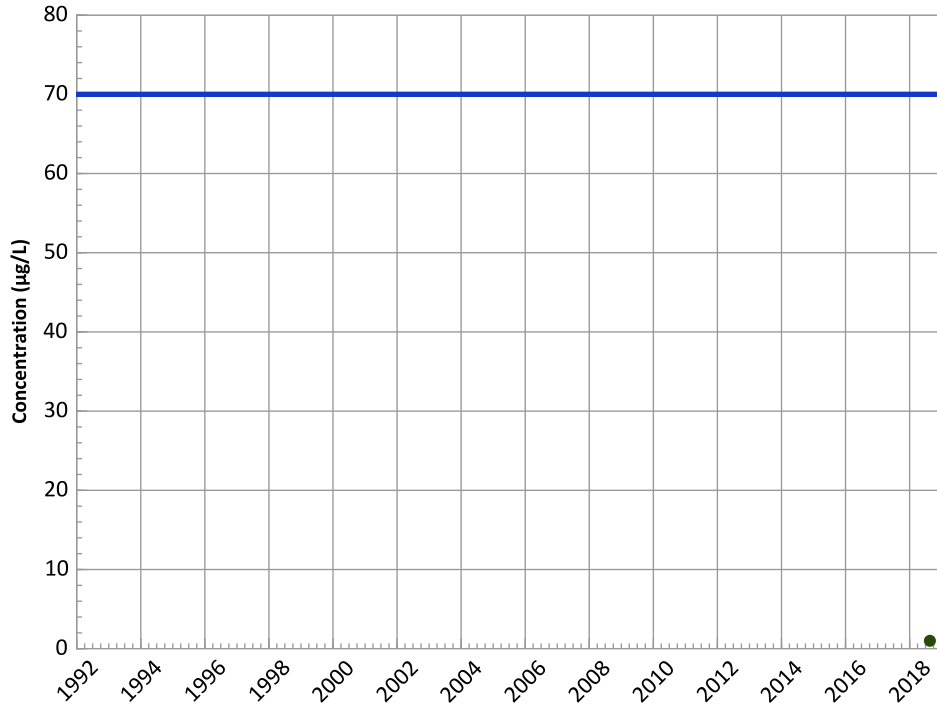


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

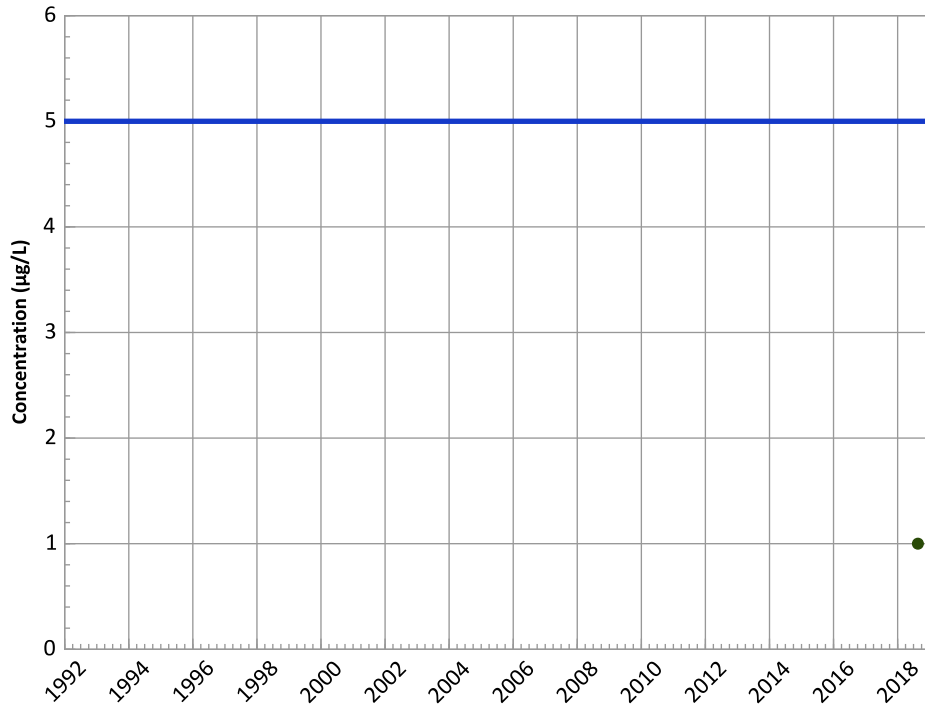
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

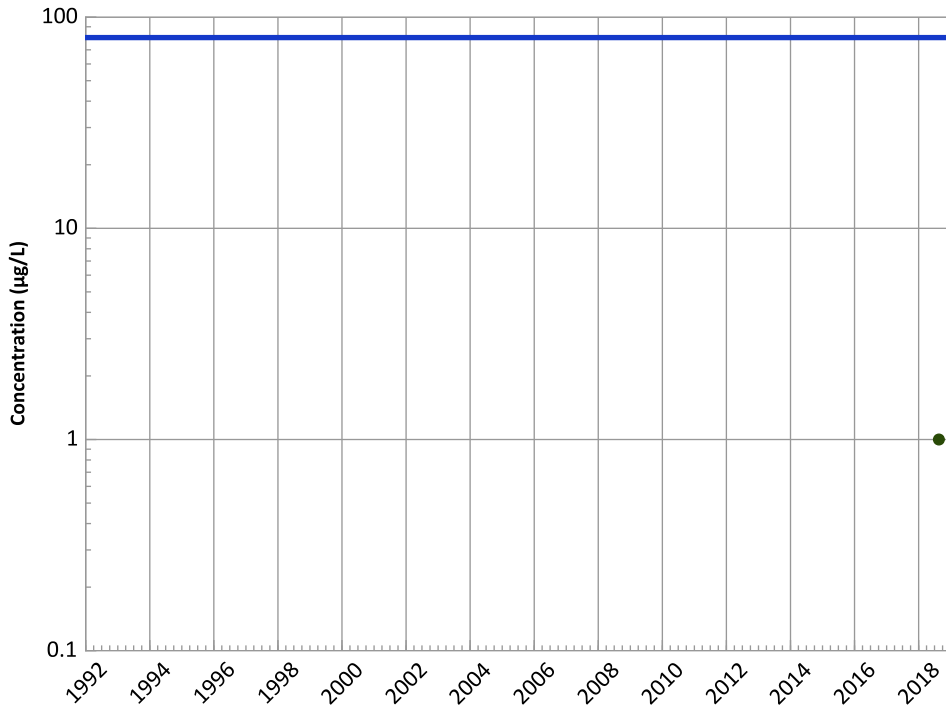


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

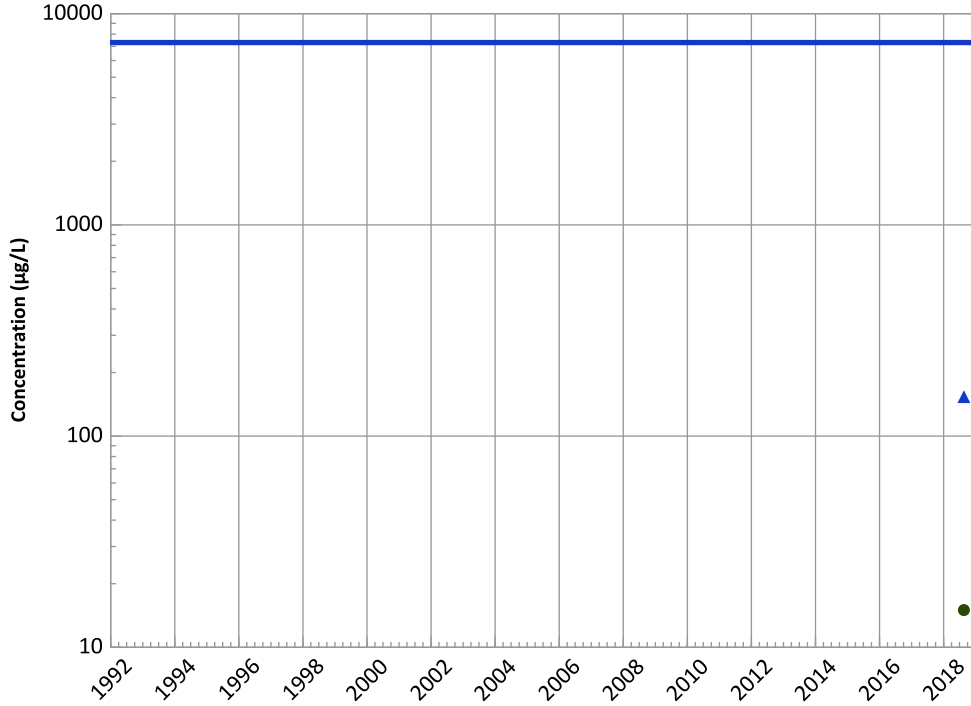


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

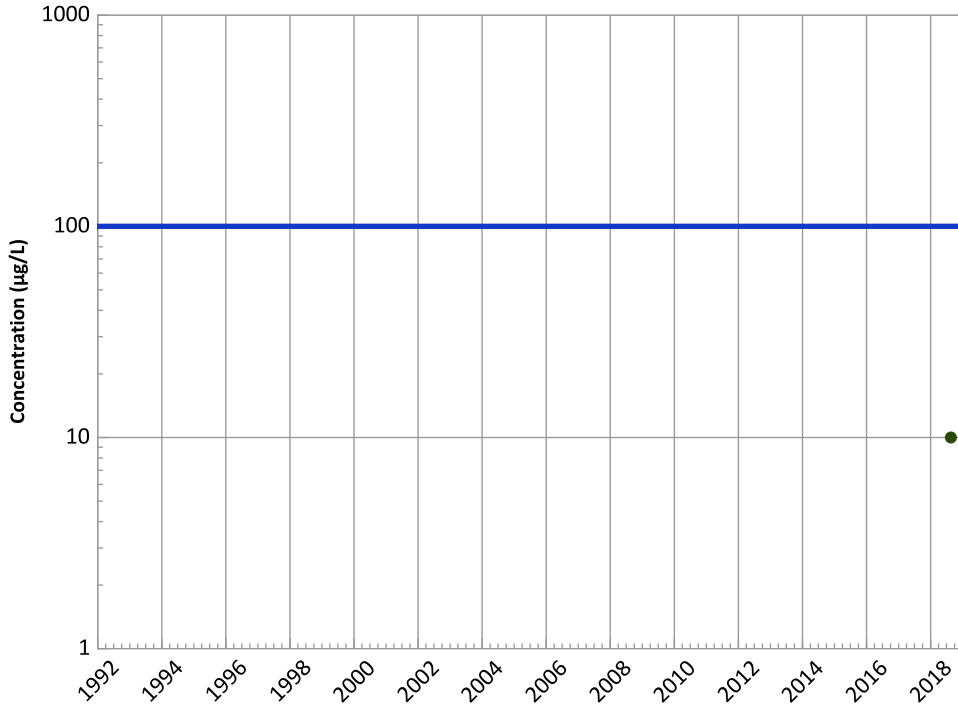


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

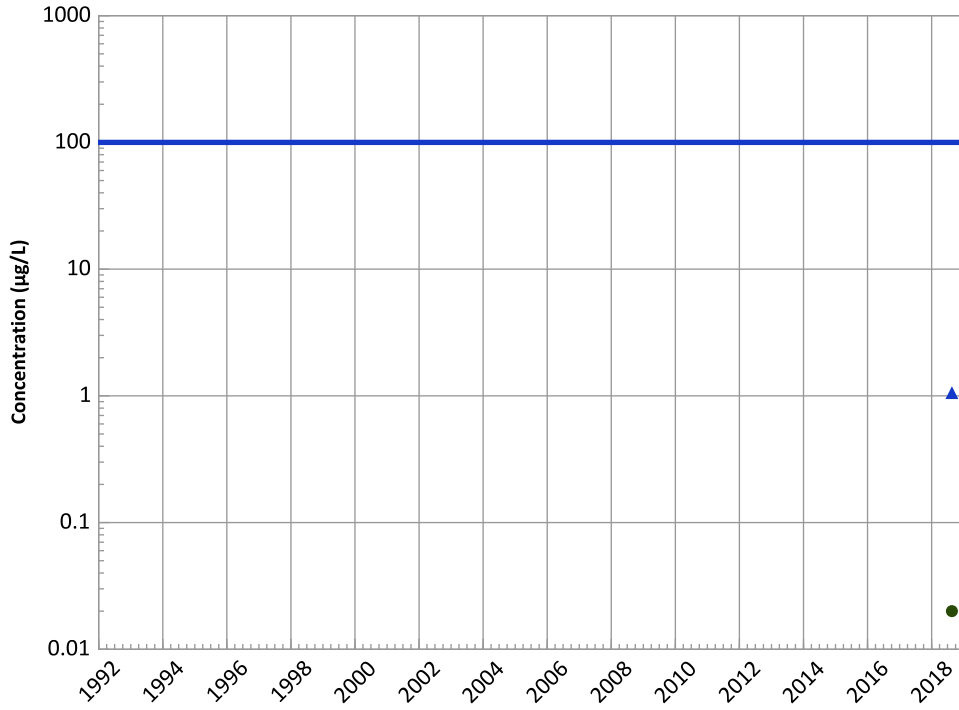
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1199 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Hexavalent Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

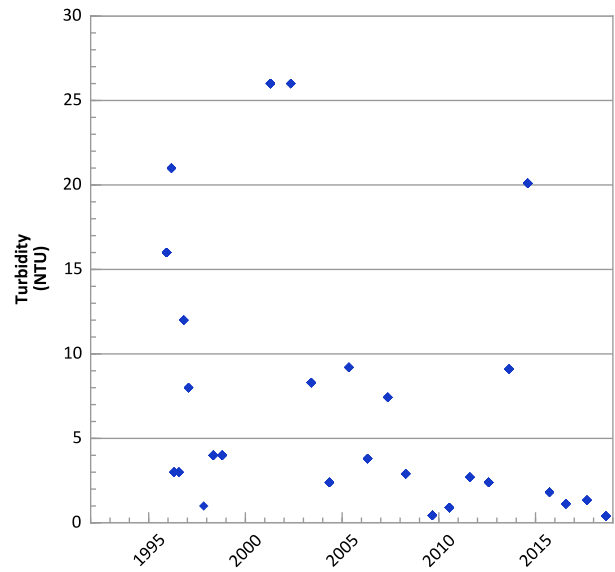
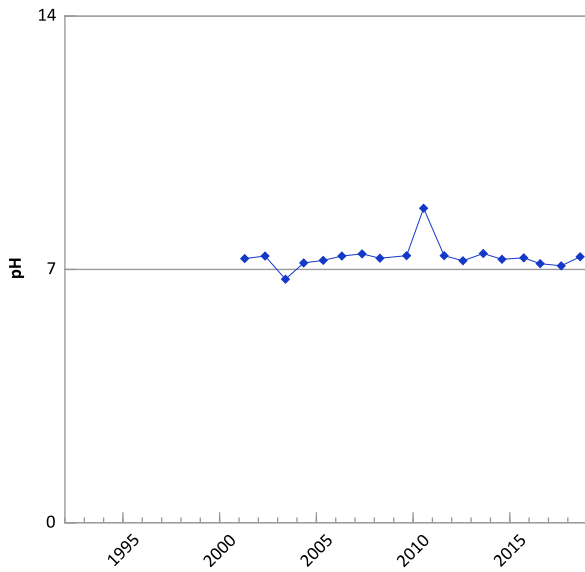
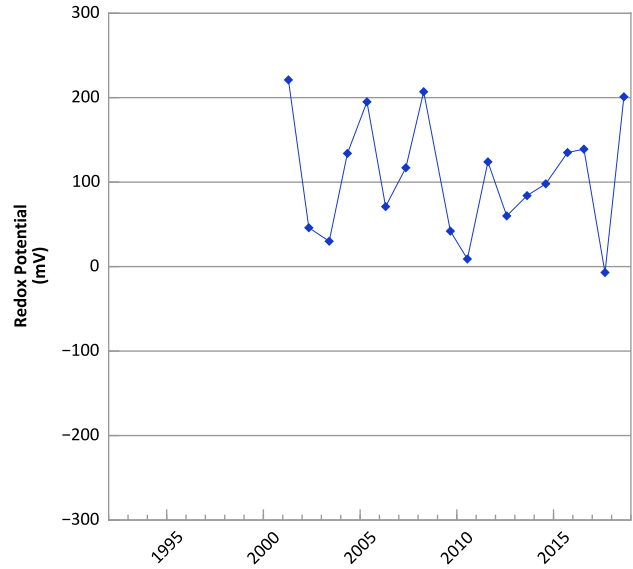
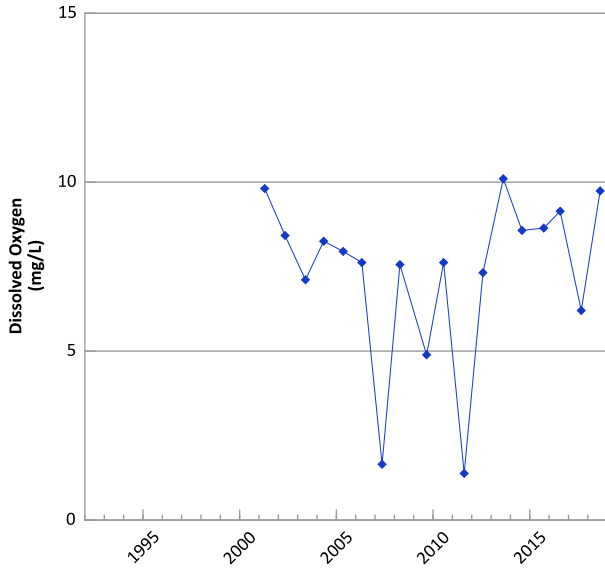
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 08/20/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

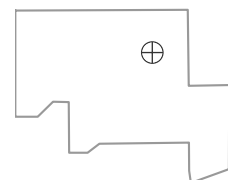


**PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



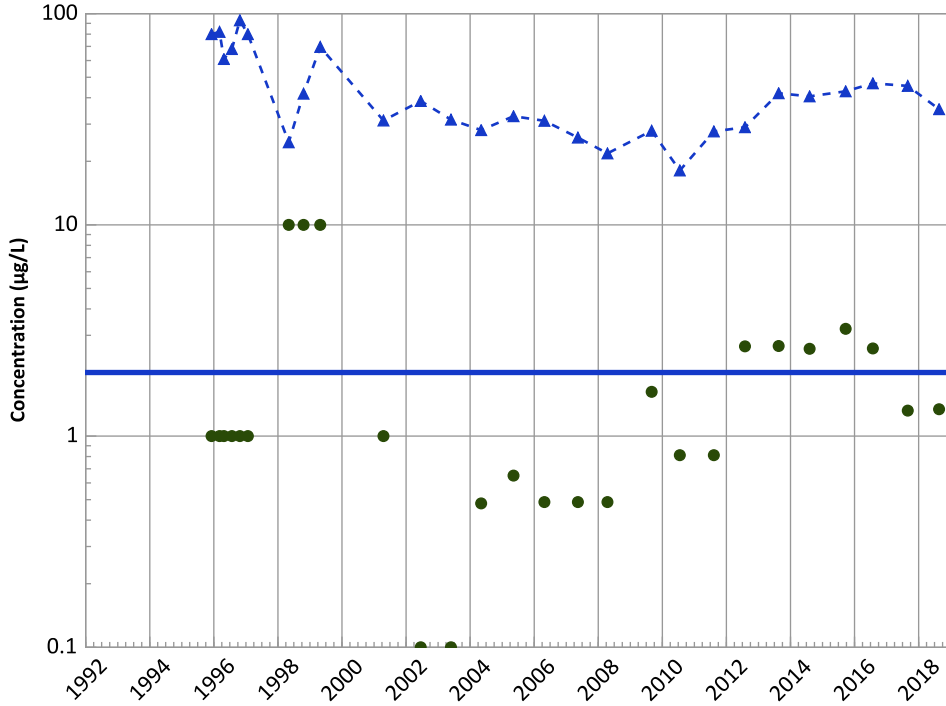
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/06/1995 to 08/22/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

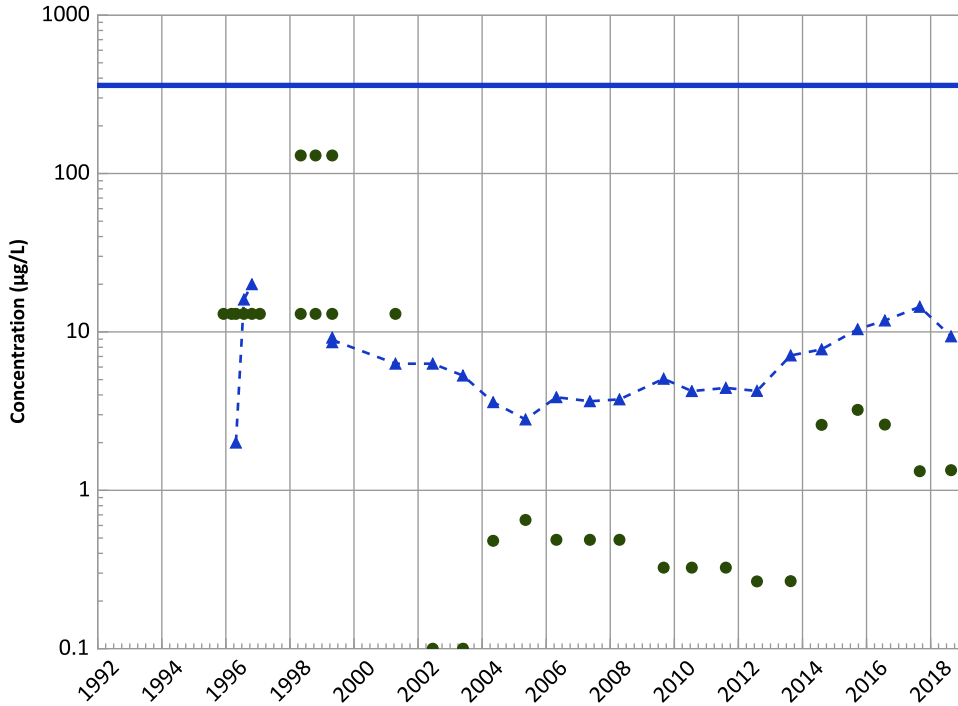
Data (2017 - 2021):

Increasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

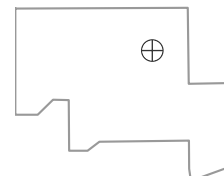
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

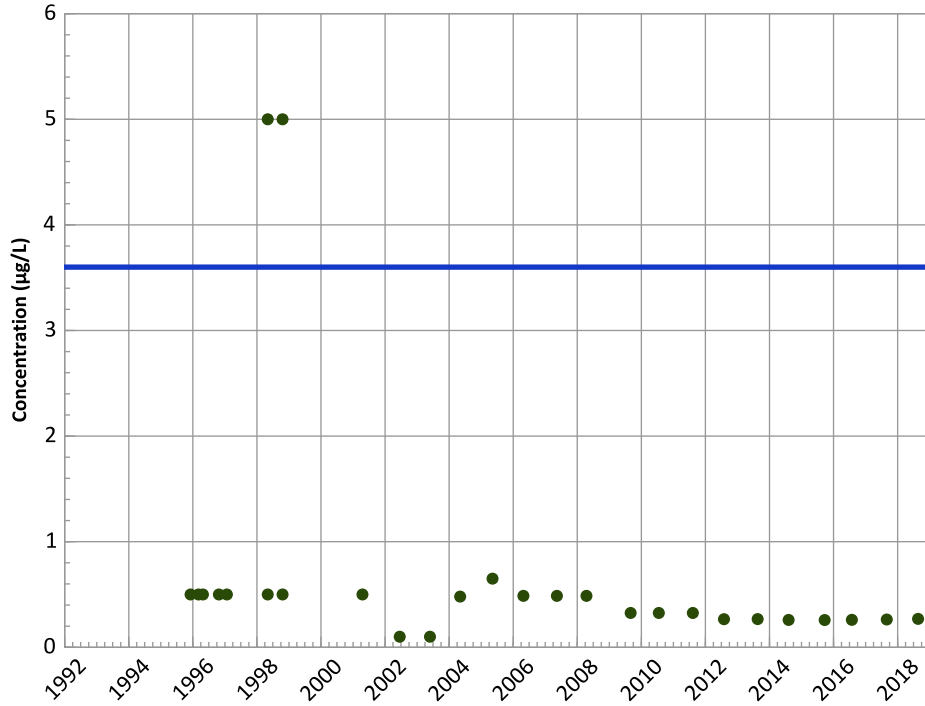
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

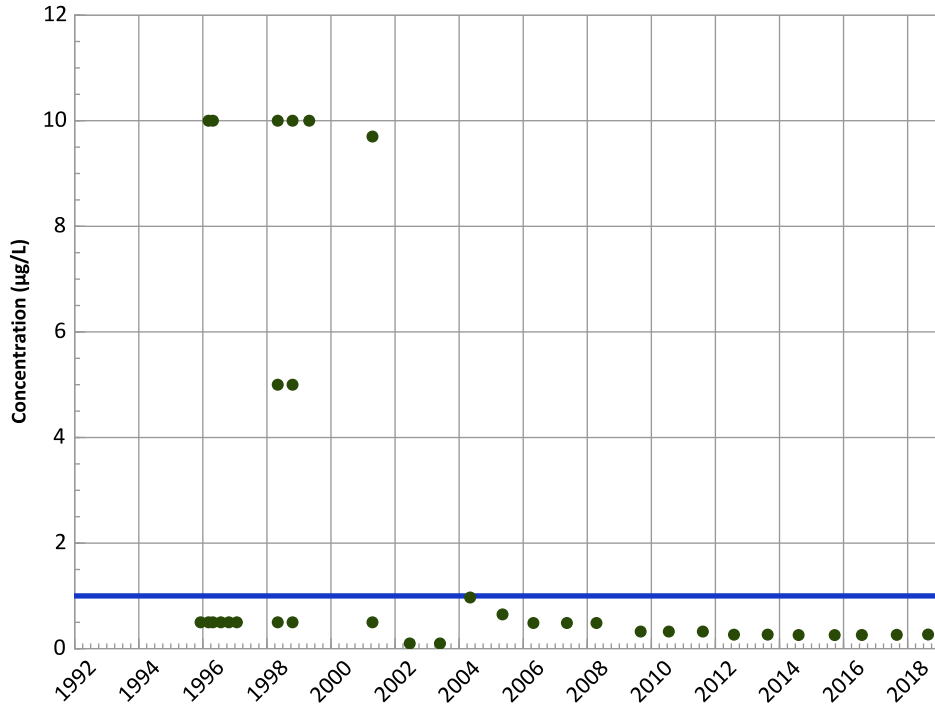
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

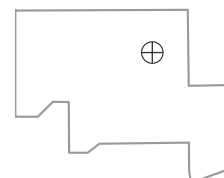
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

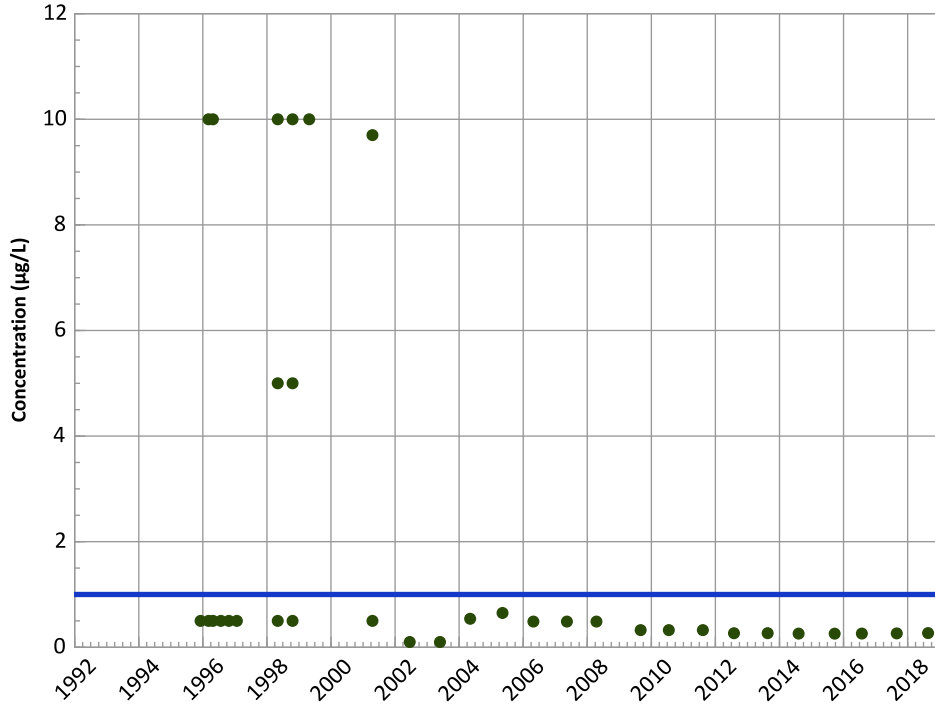
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

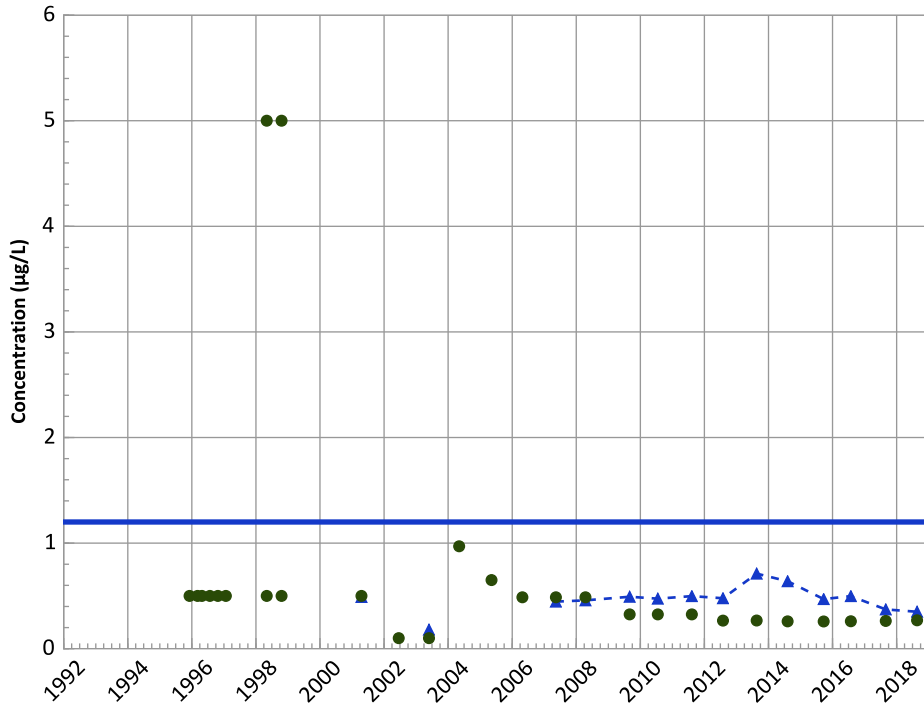
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

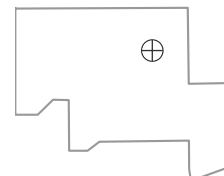
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

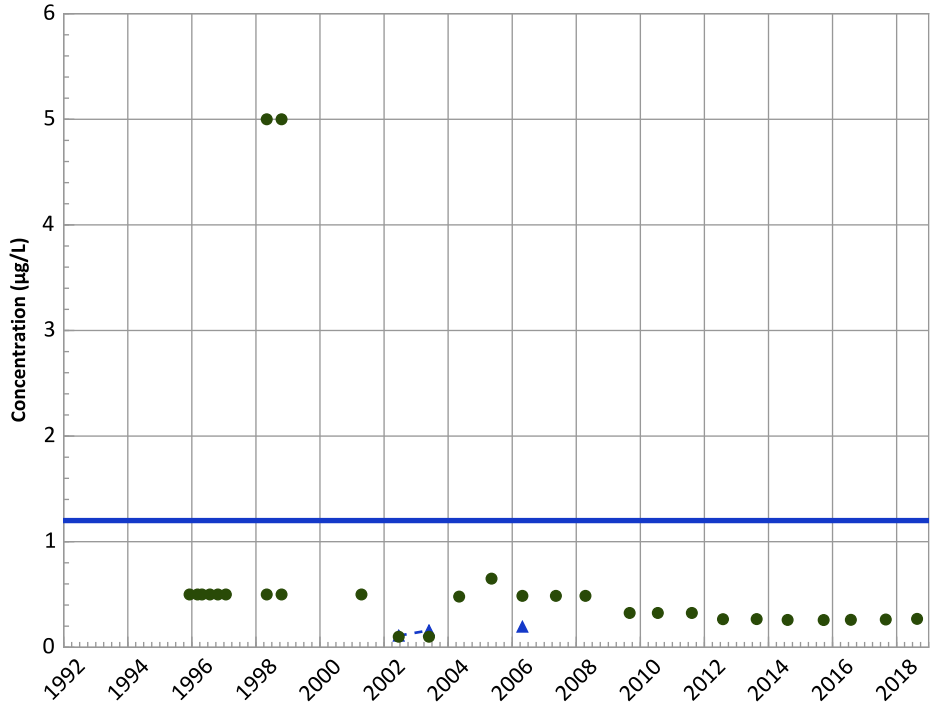
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

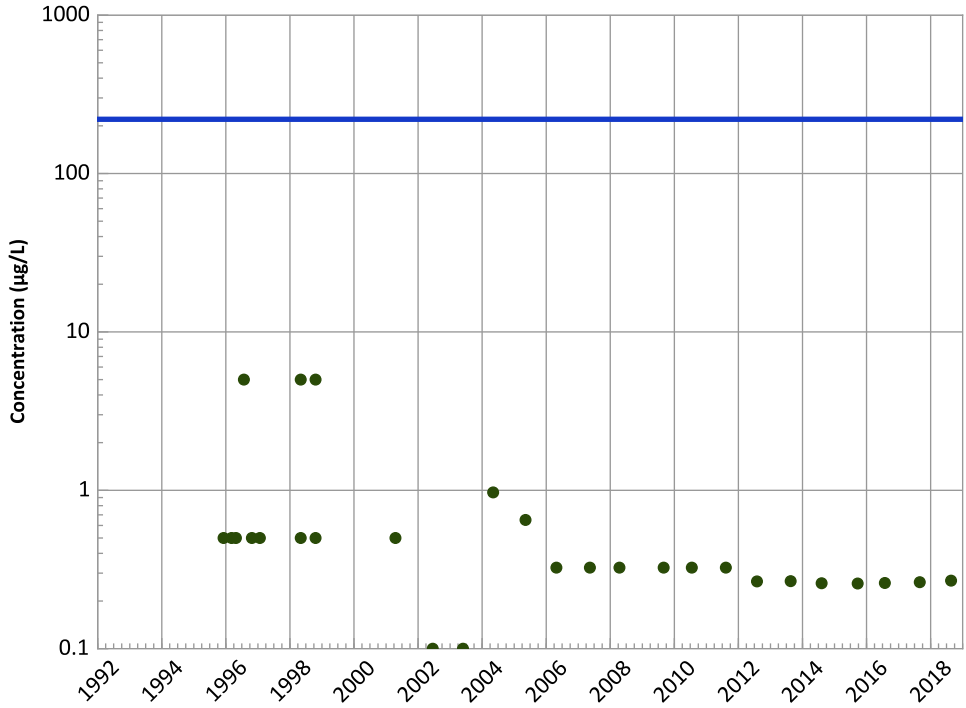
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

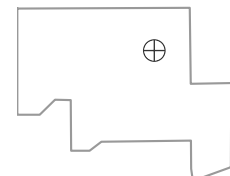
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

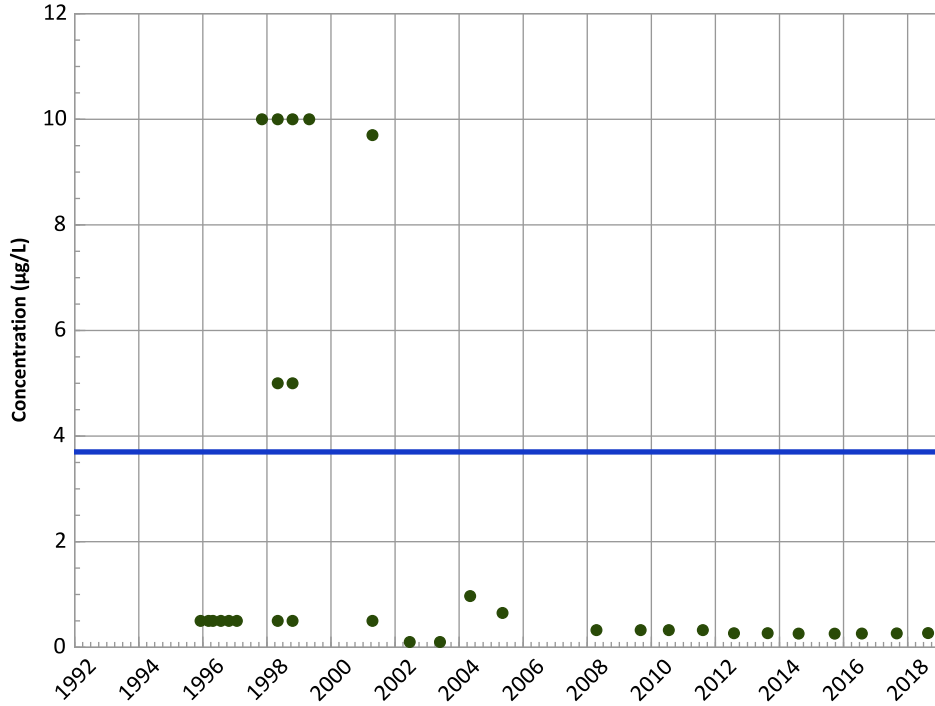
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

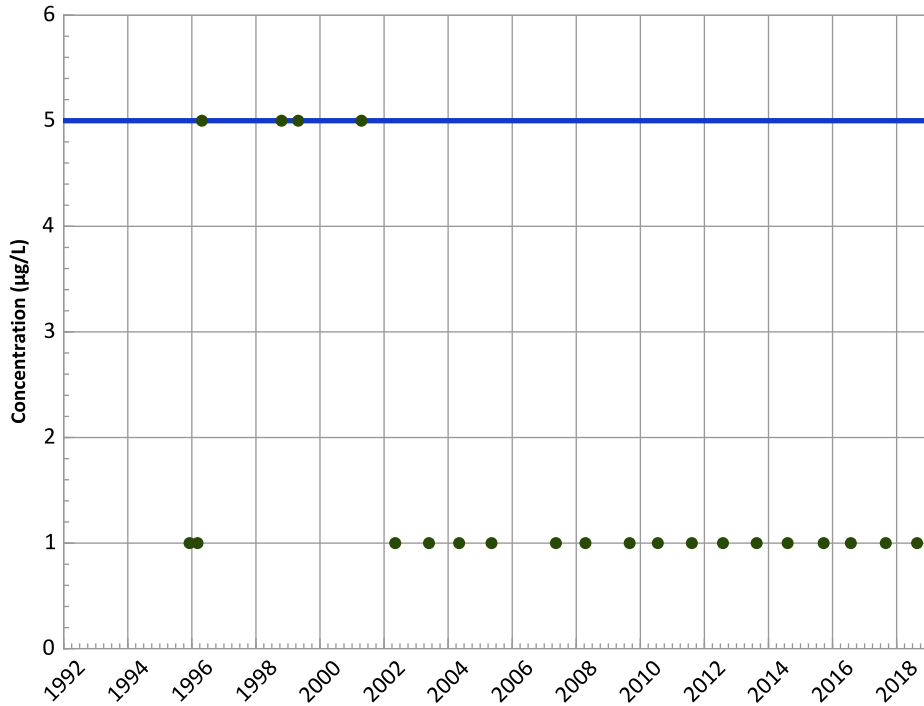
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

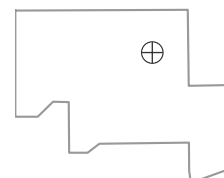
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

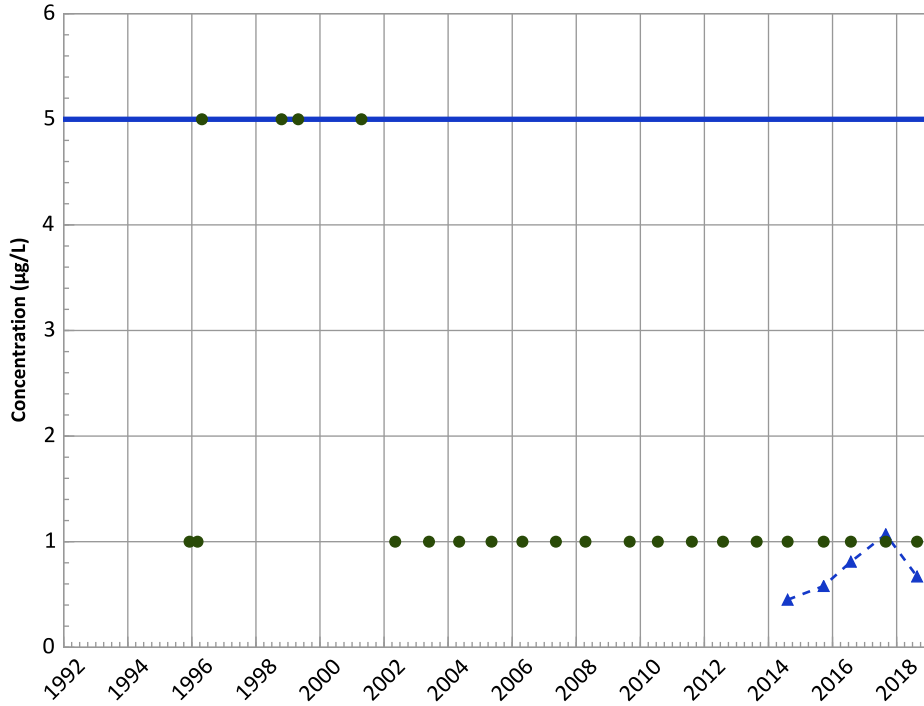
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

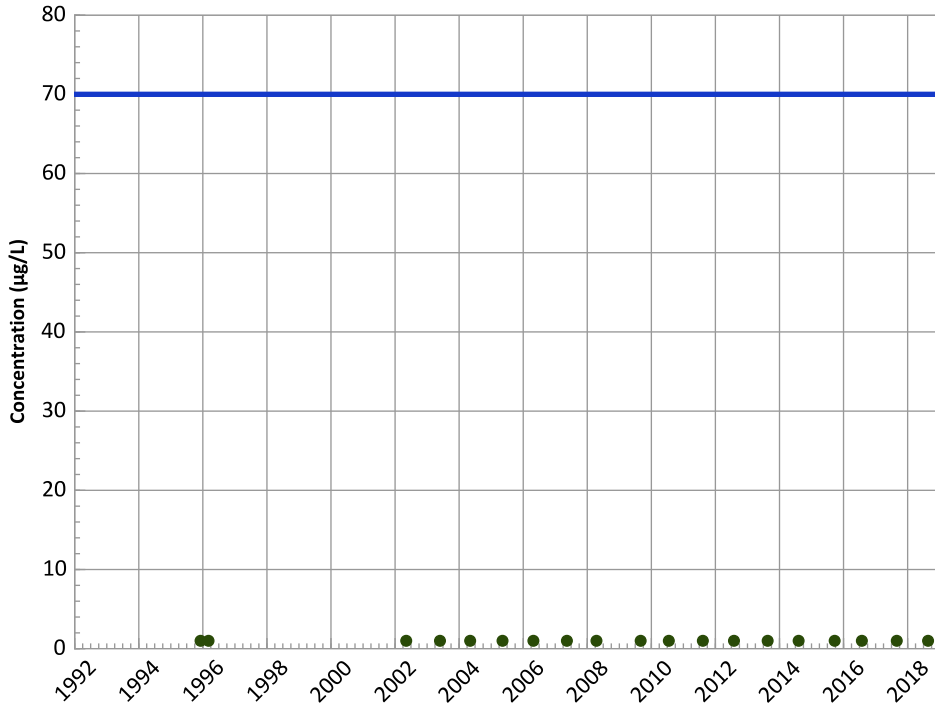


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

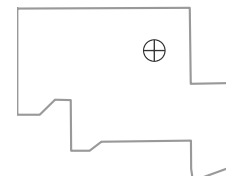
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

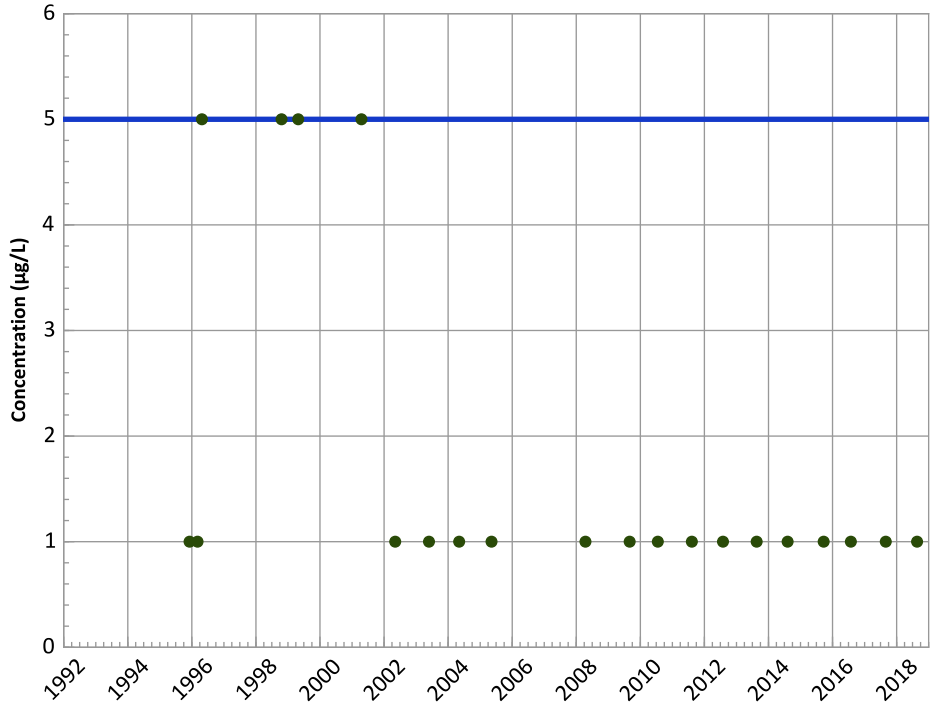
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

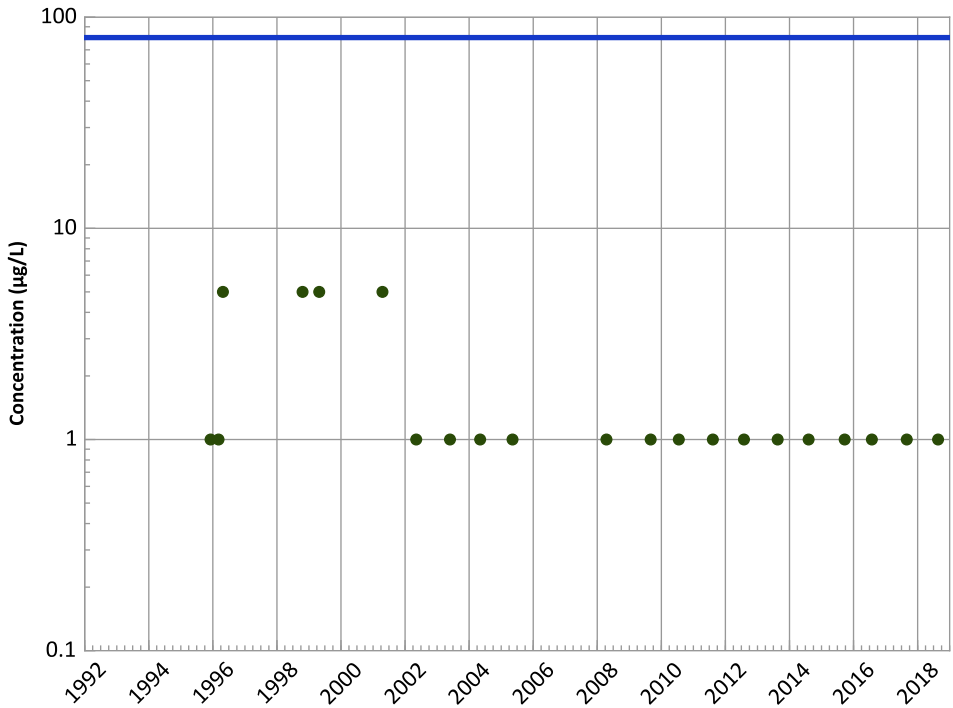
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

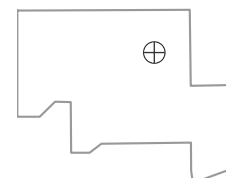
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

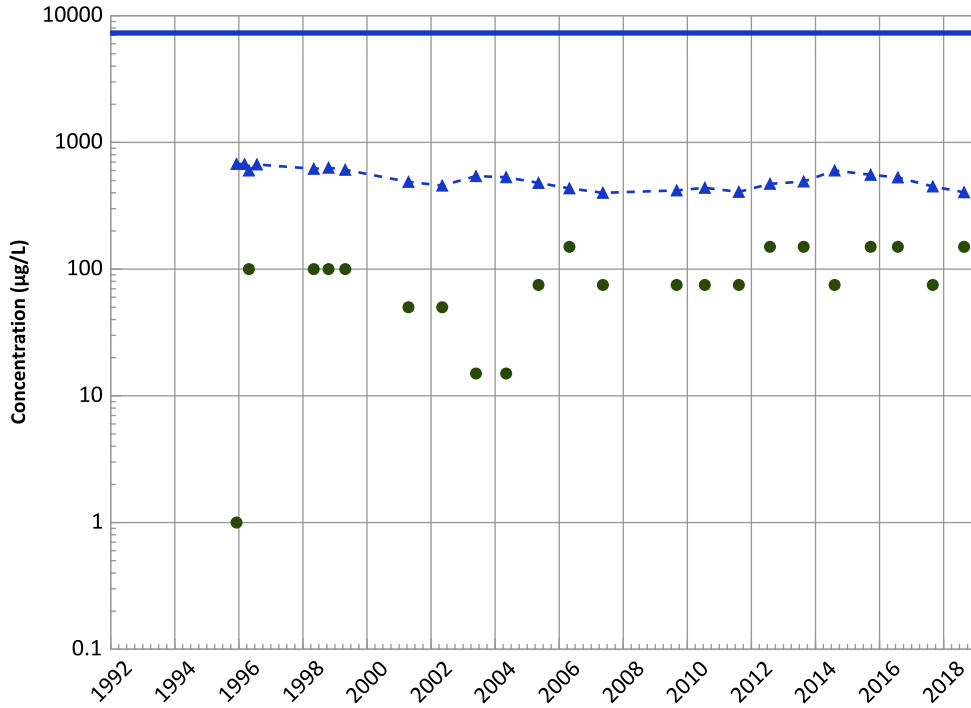
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

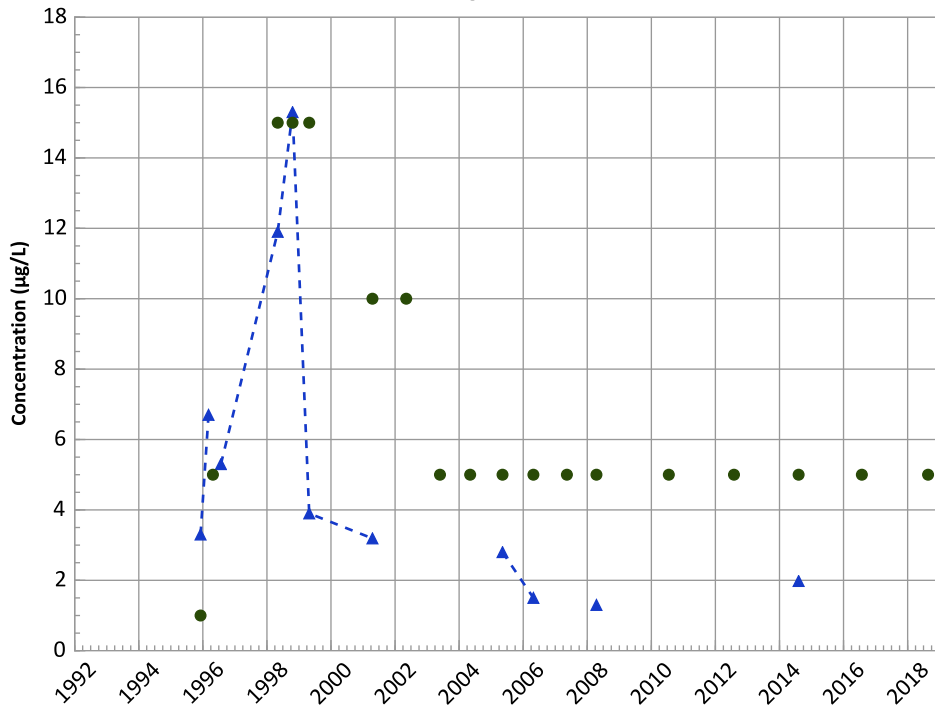


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

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

Manganese Trend



Concentration Trend

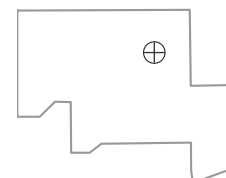
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

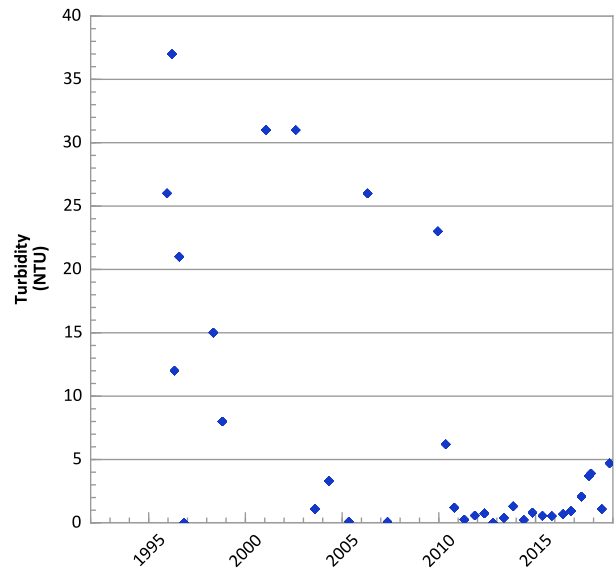
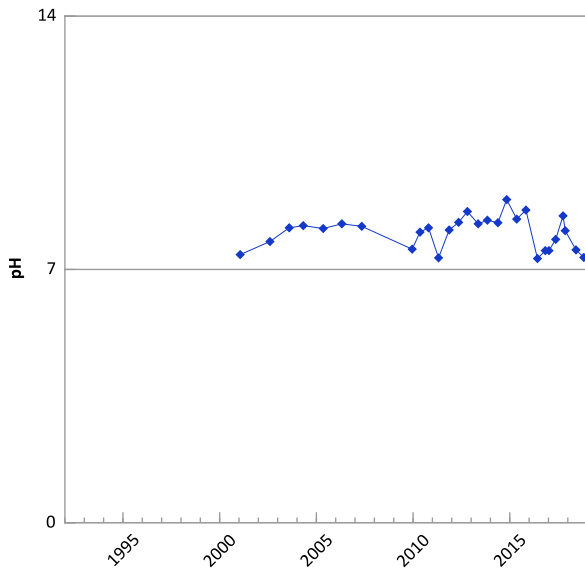
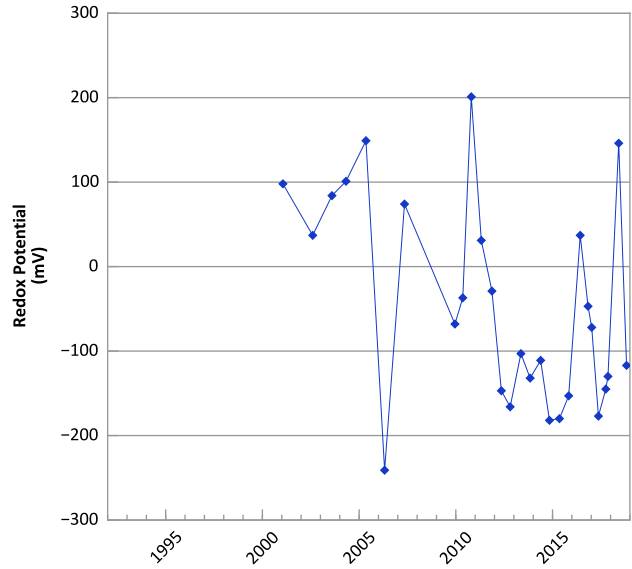
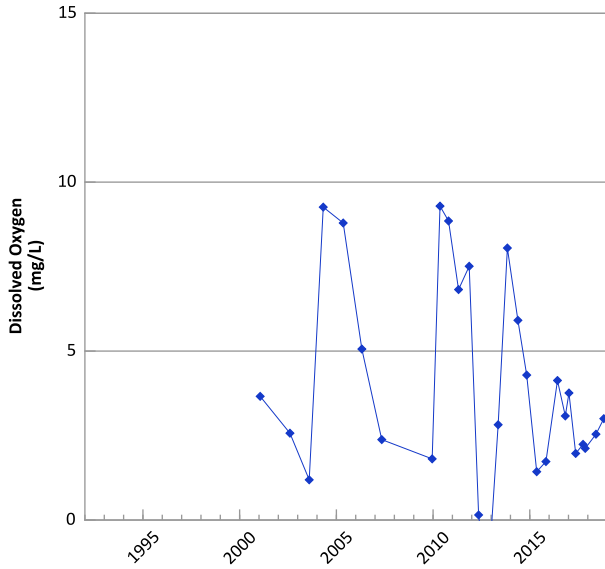
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/06/1995 to 08/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

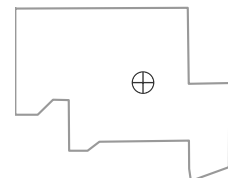


**PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



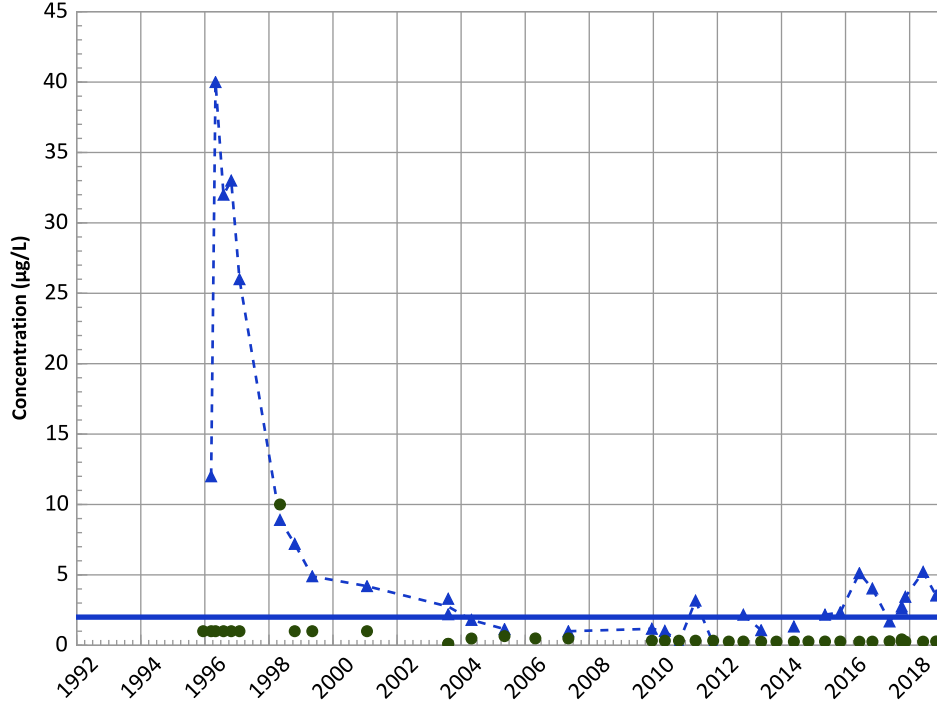
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/13/1995 to 10/30/2018
 Analysis Date: 02/14/2019

Well Location



PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

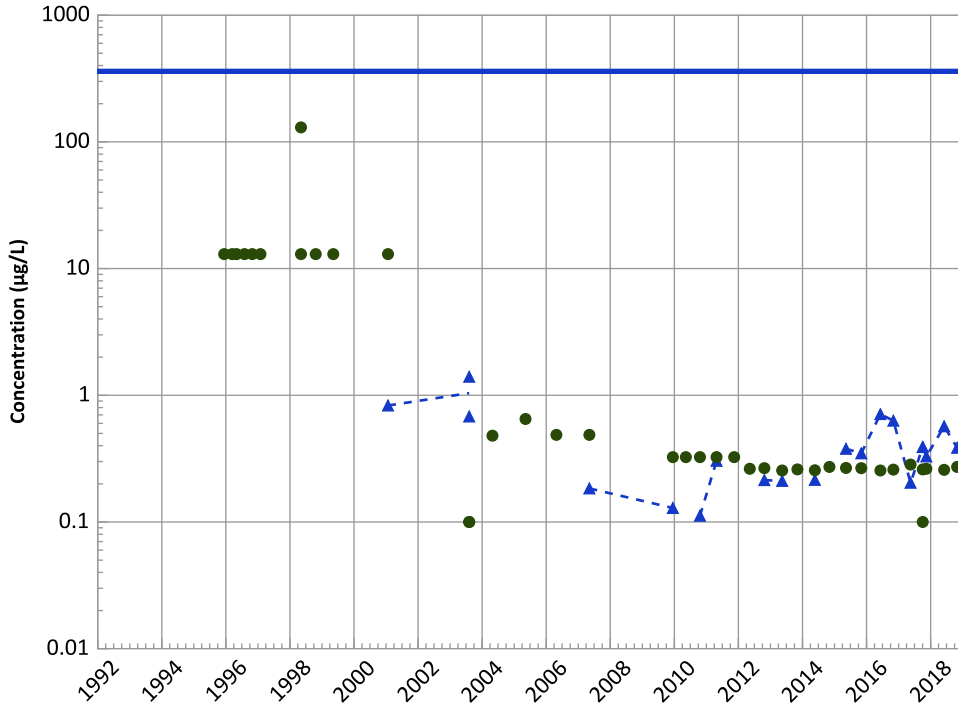


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

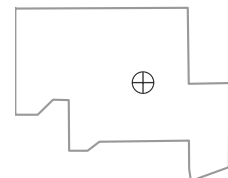
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

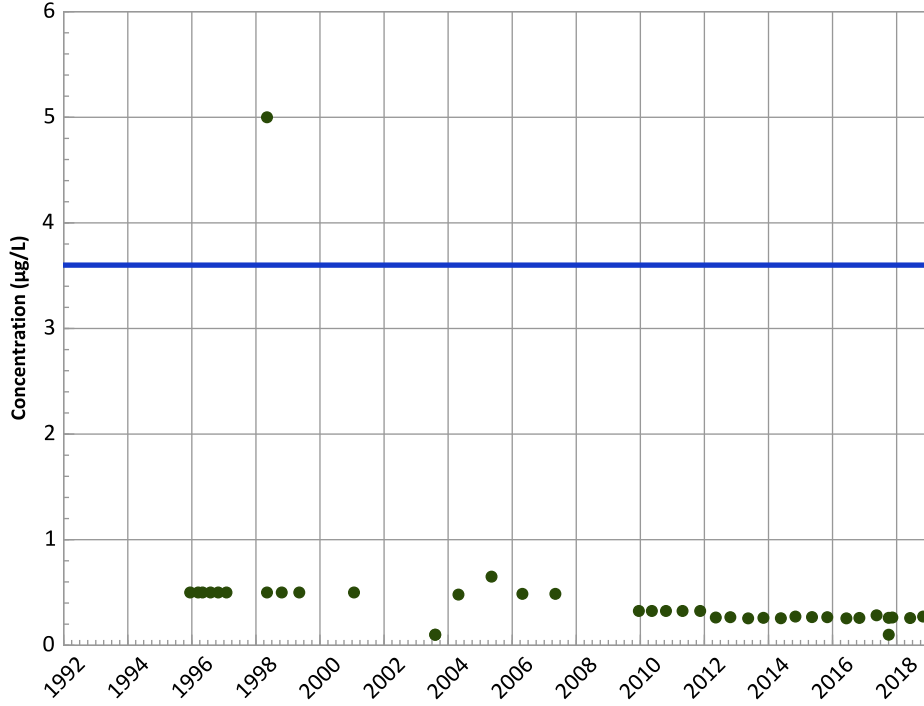
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

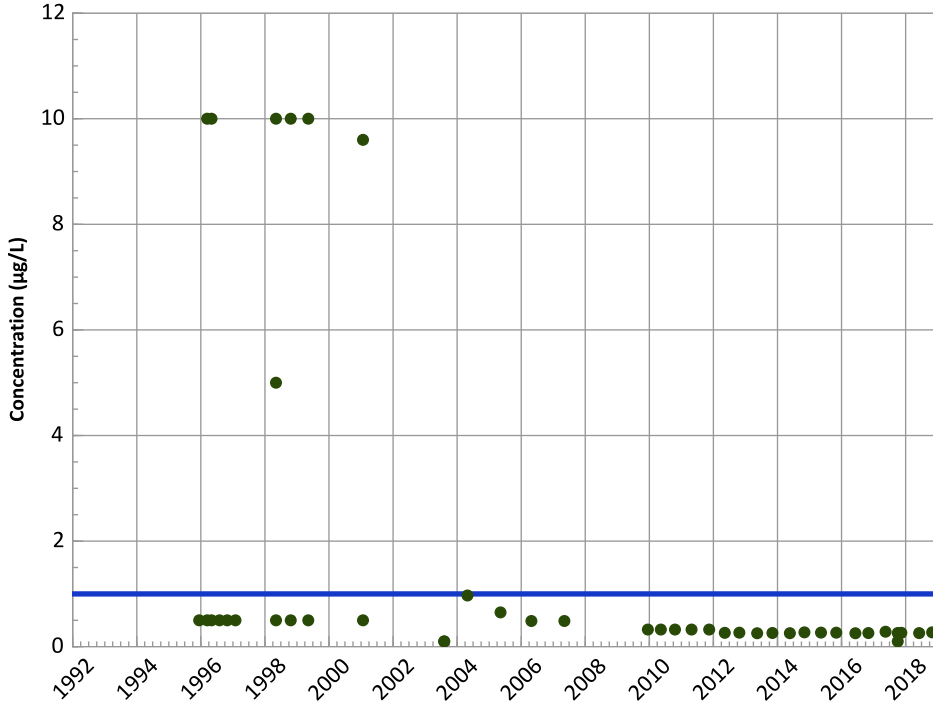
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

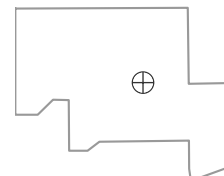
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

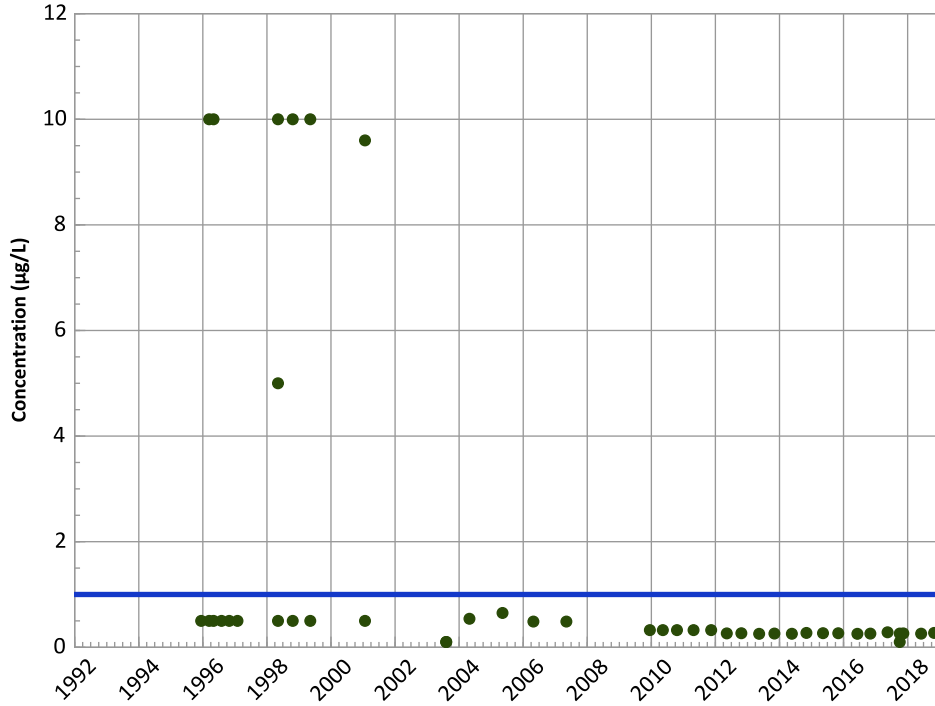
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

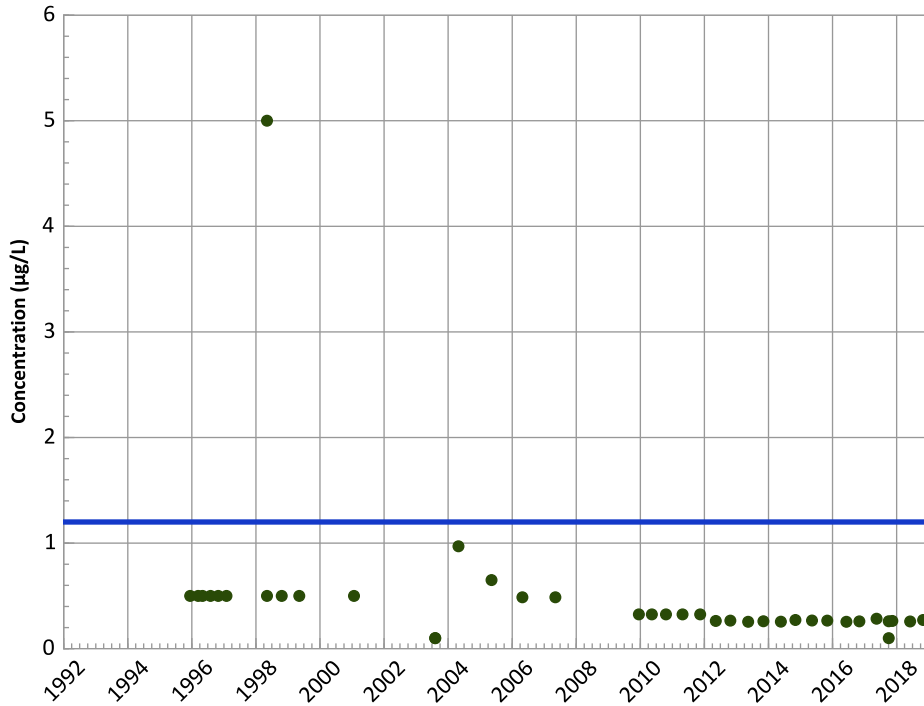
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

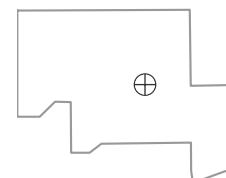
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

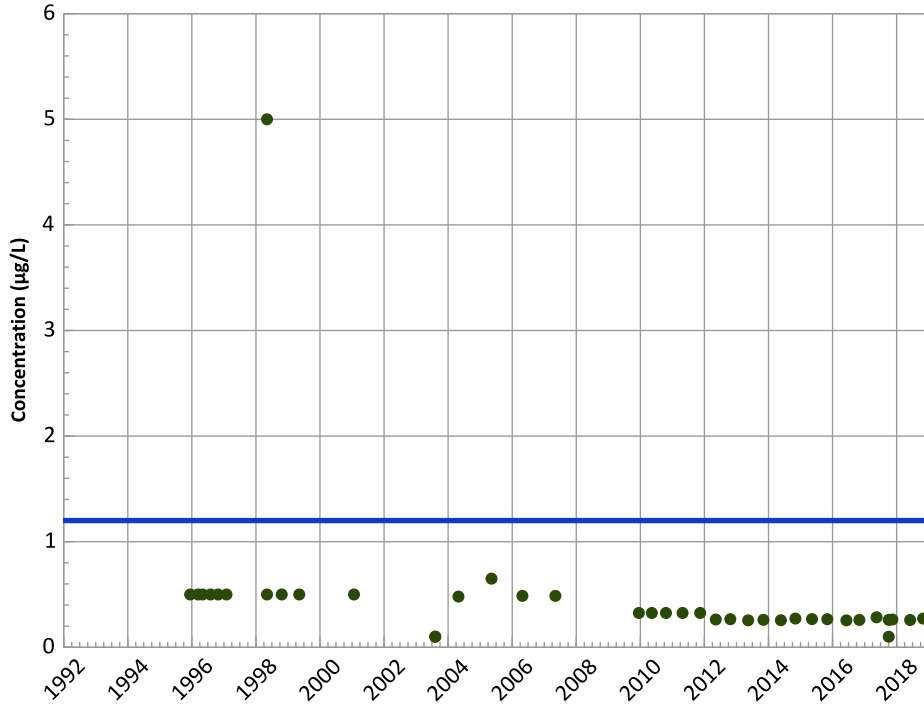
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

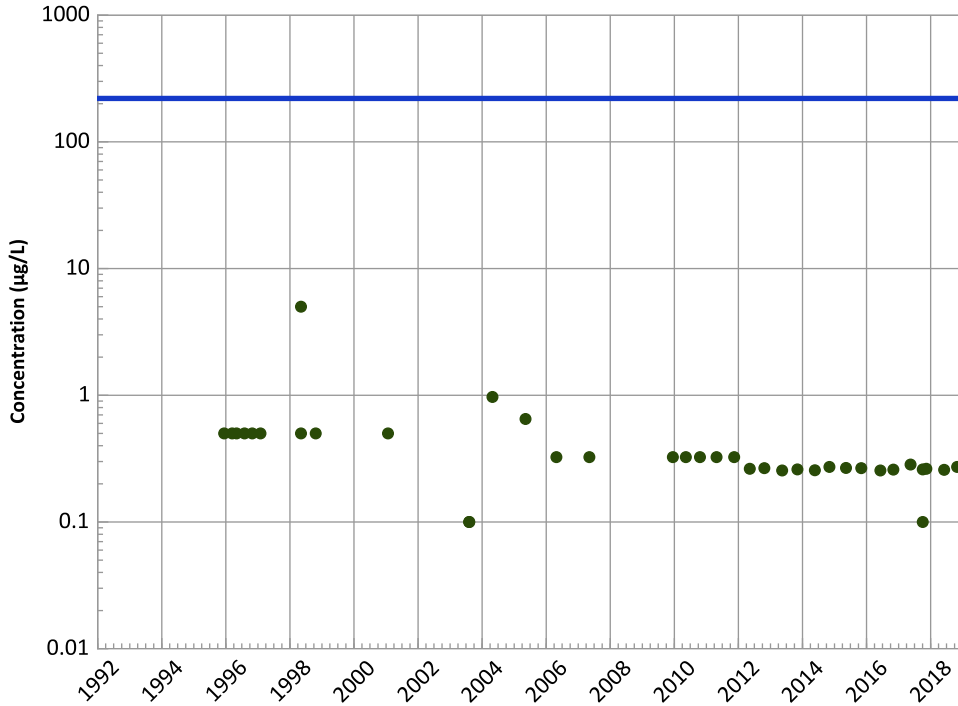
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

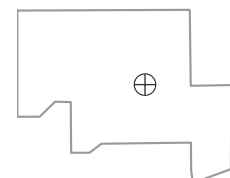
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

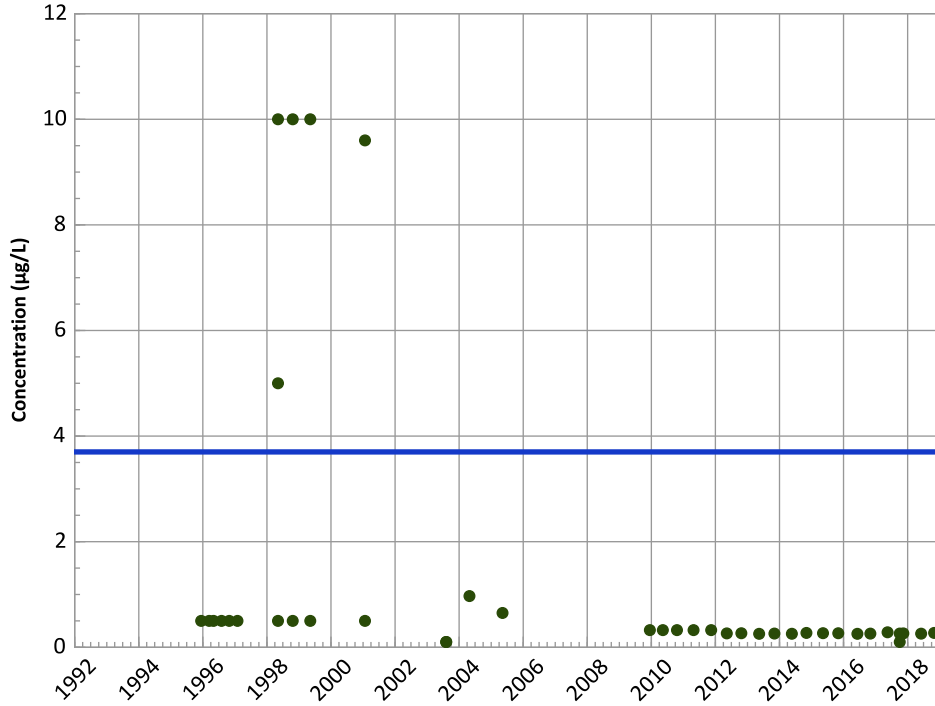


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

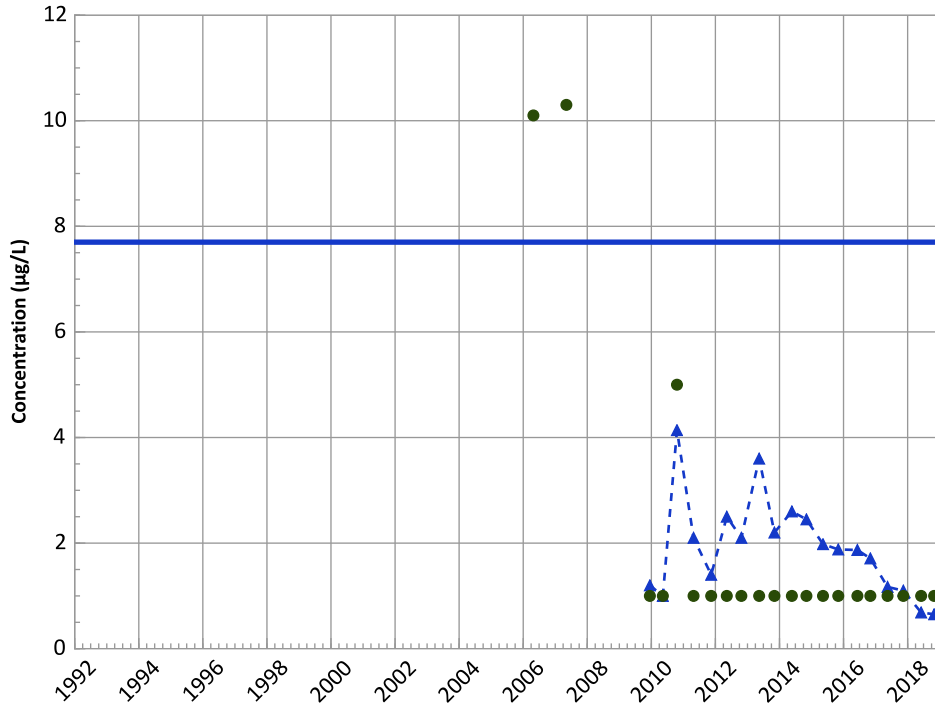
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

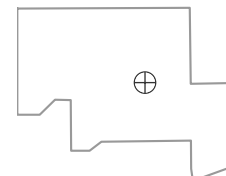
All Data:

Decreasing

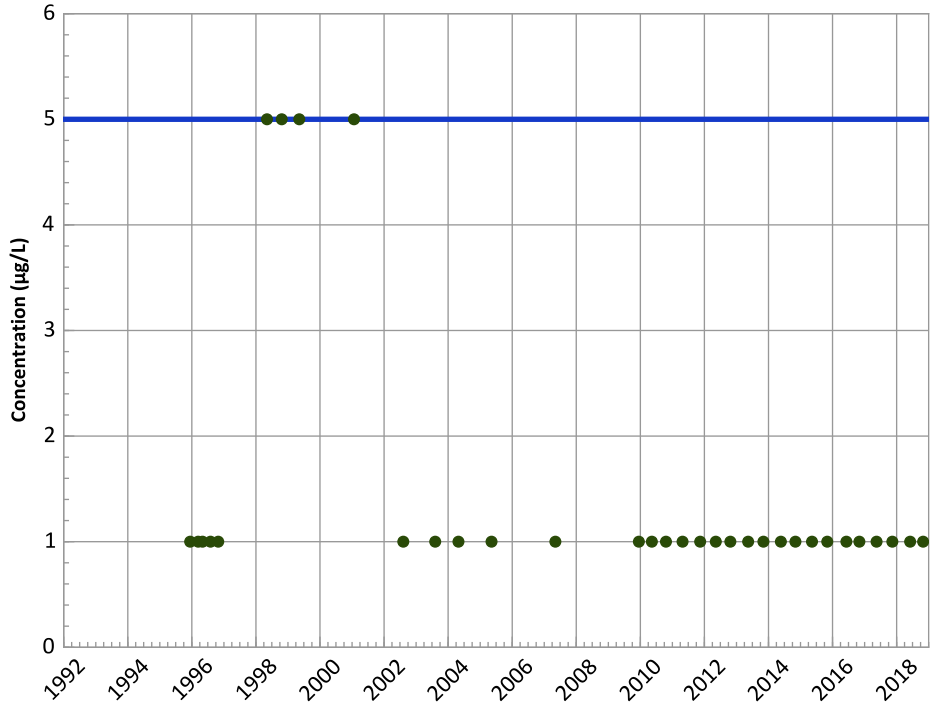
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

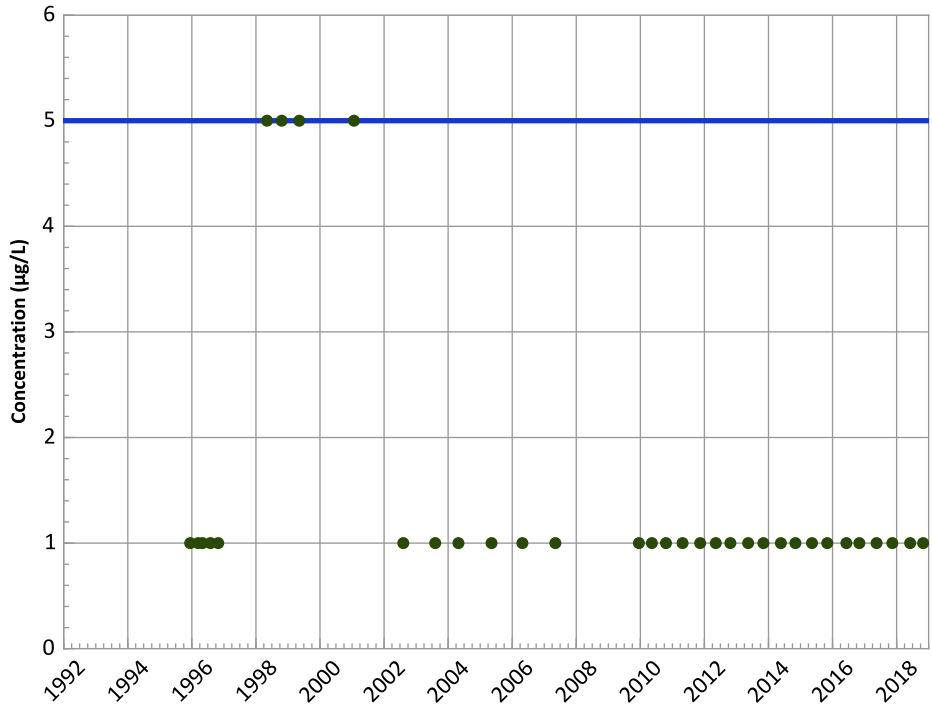
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

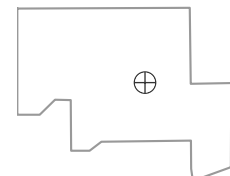
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

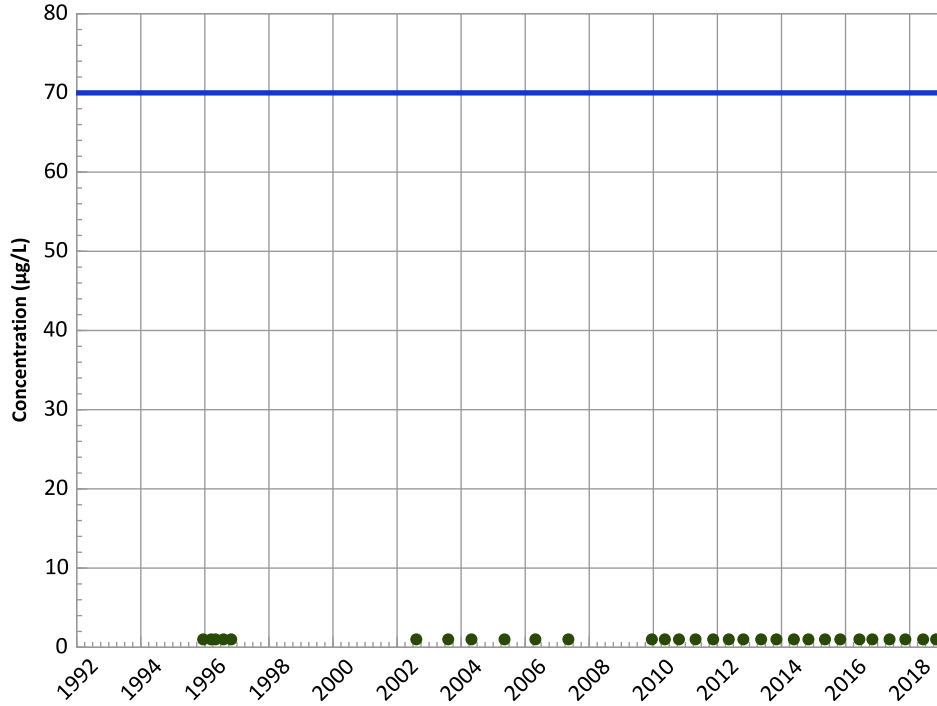
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

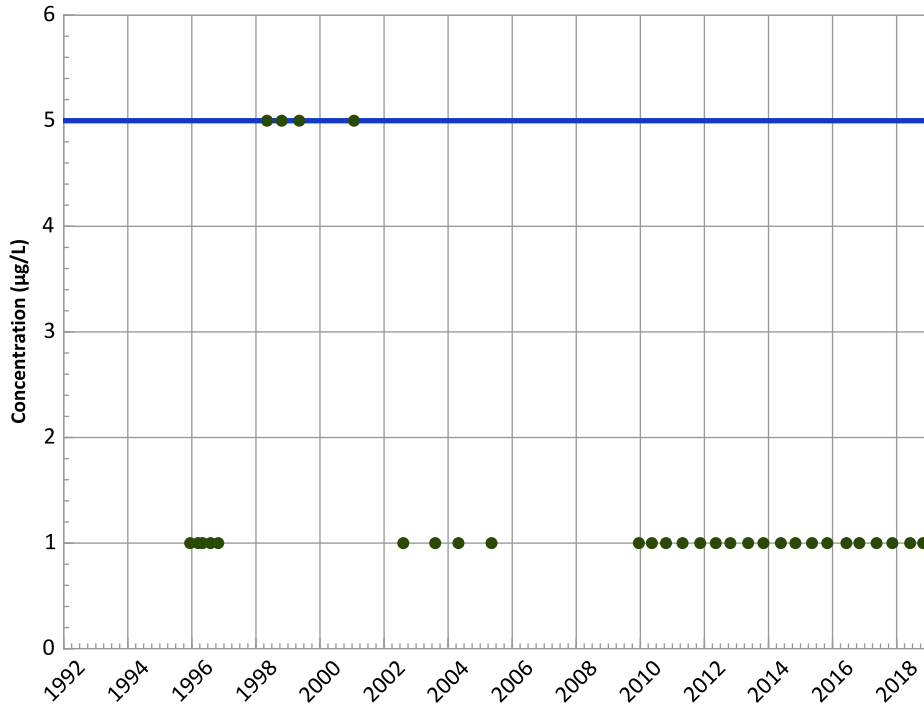
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

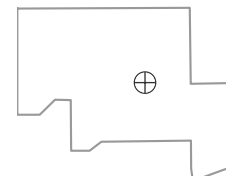
All Data:

All Non-Detect

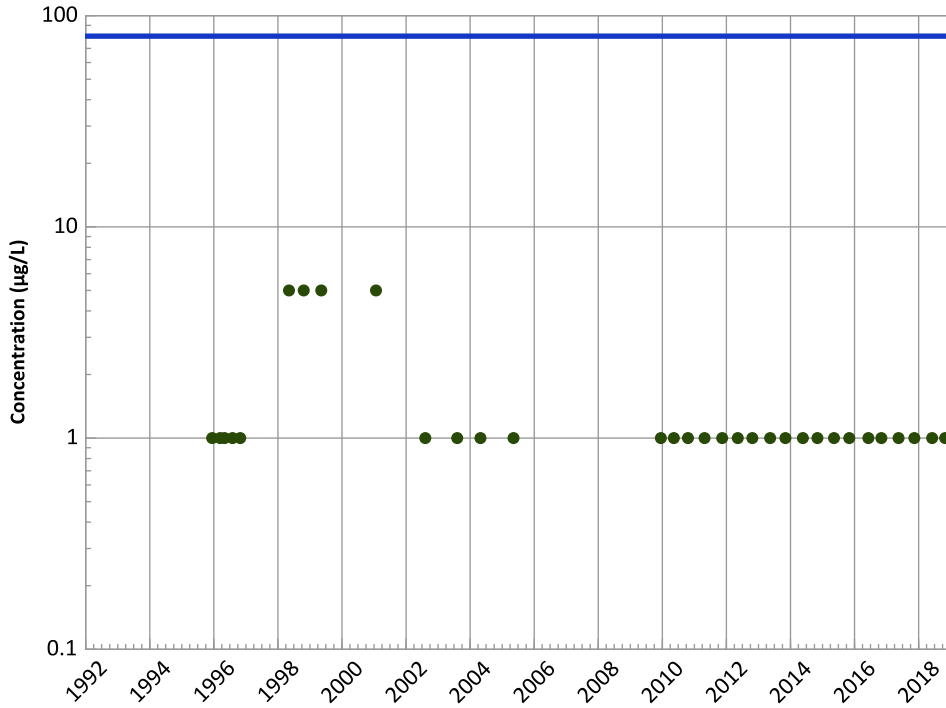
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

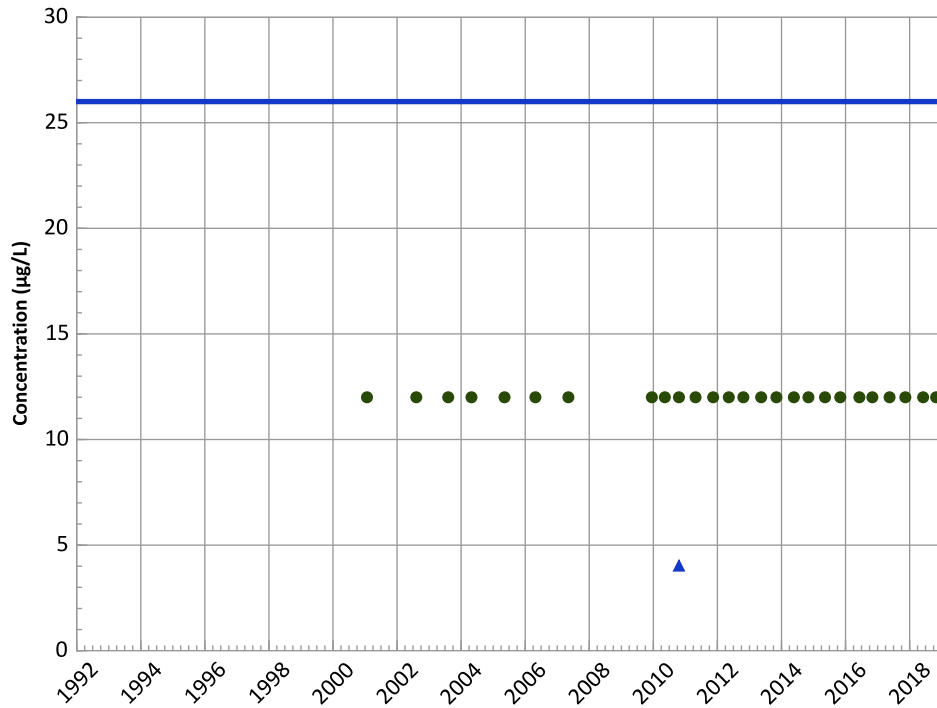


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

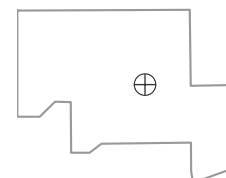


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Well Location

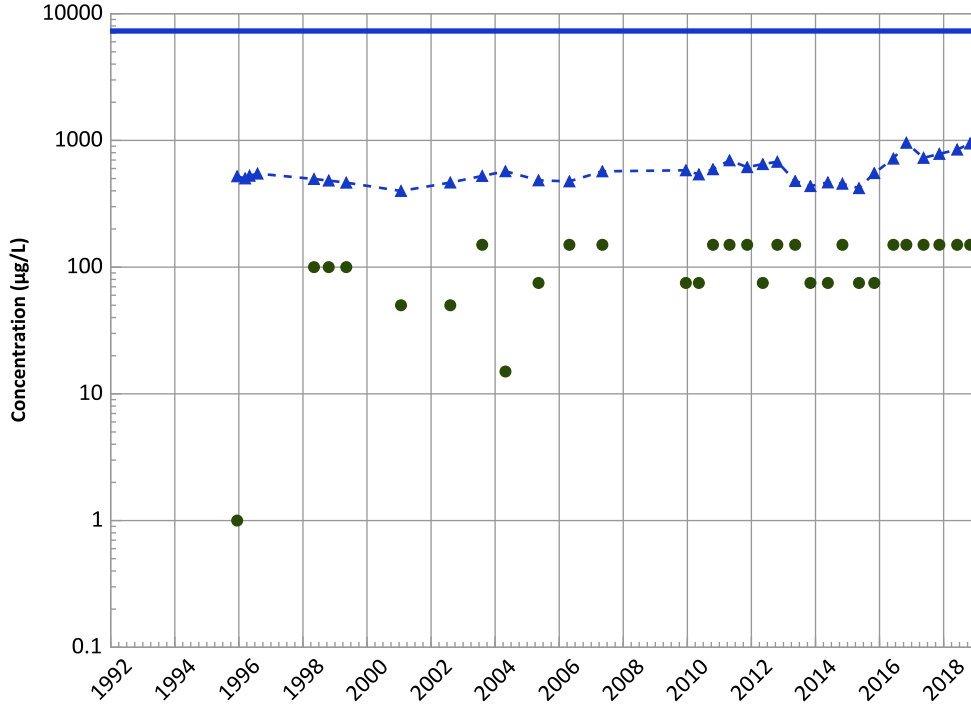


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1P02 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

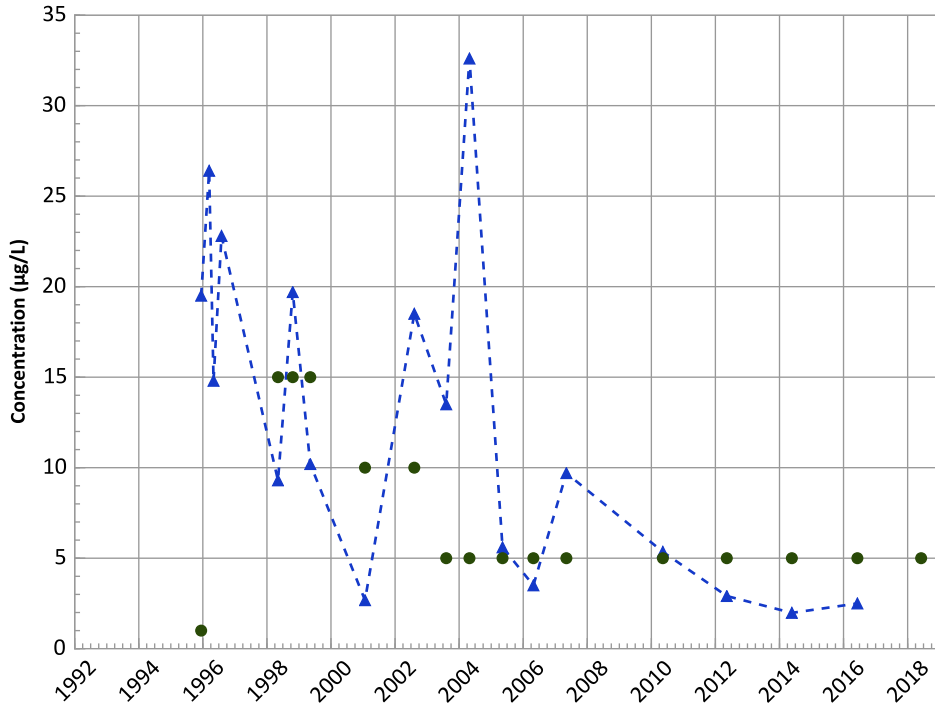
Data (2017 - 2021):

No Trend

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

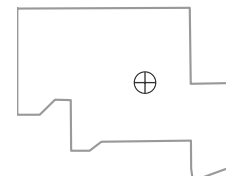
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

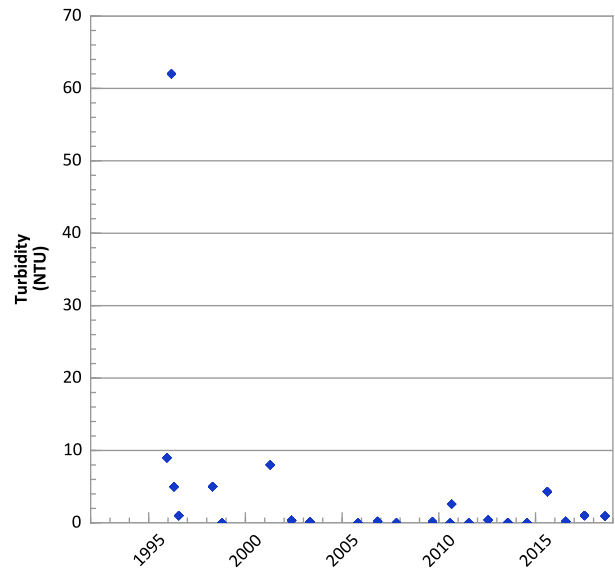
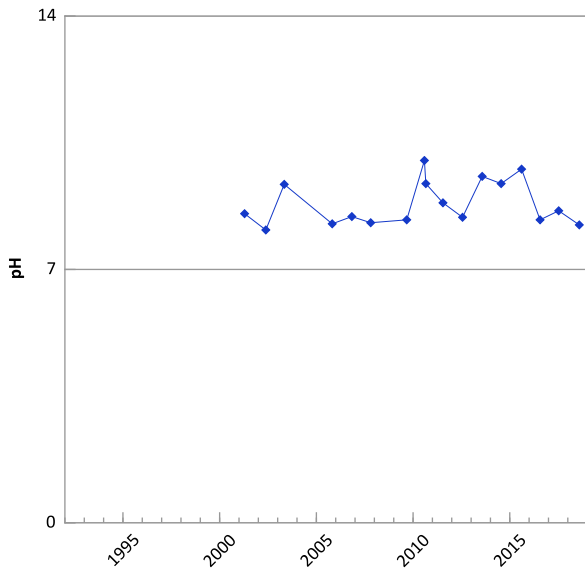
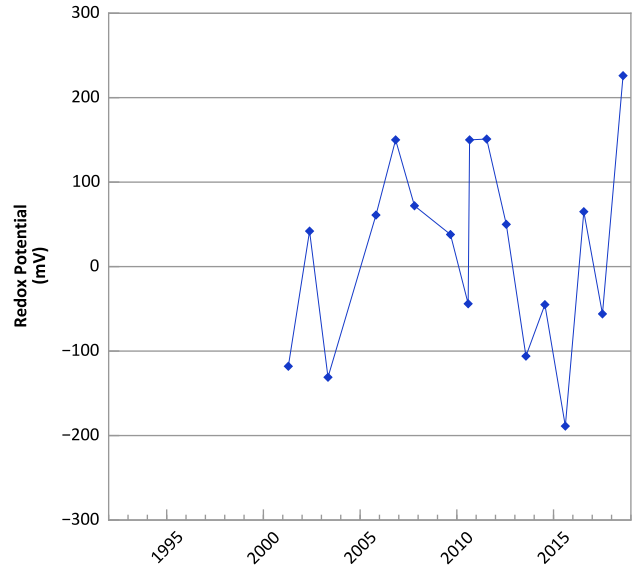
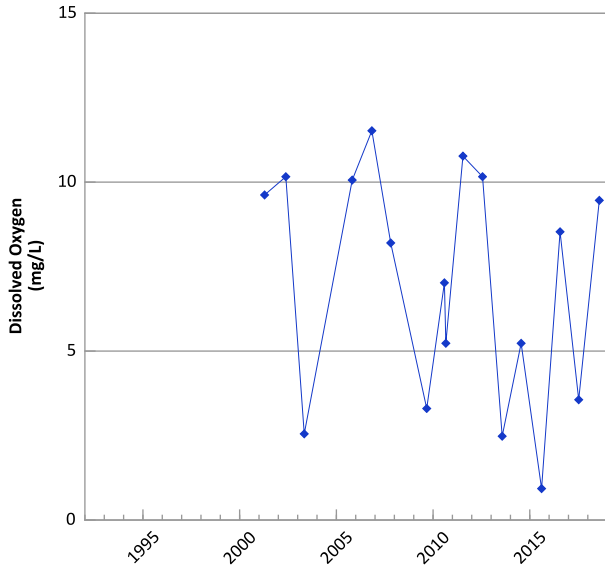
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/13/1995 to 10/30/2018
Analysis Date: 02/14/2019

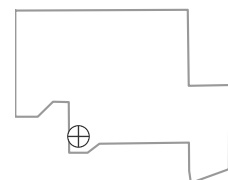
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



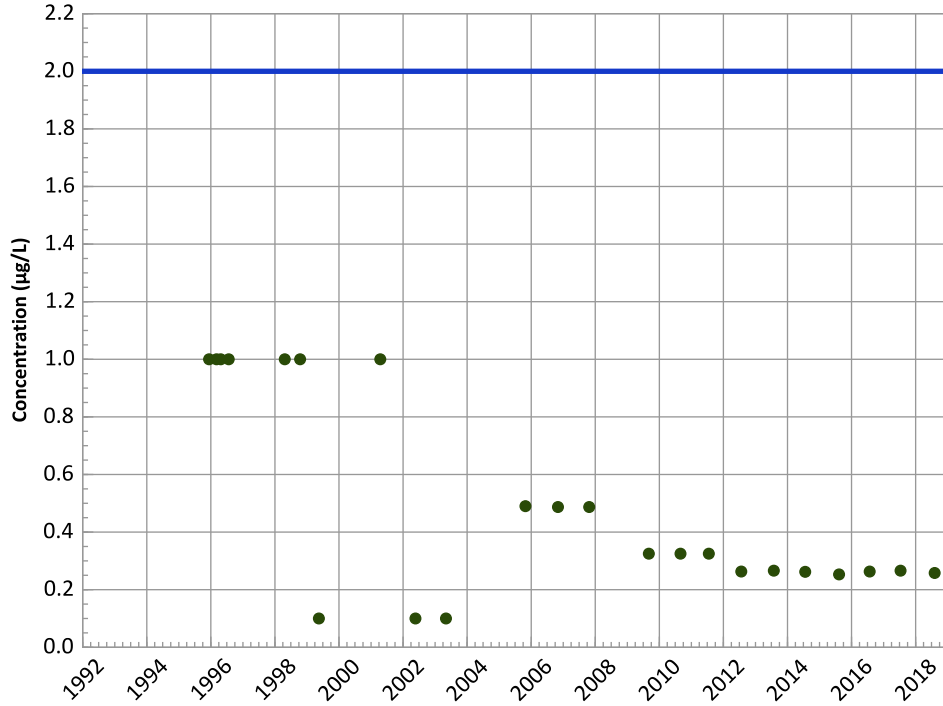
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/12/1995 to 08/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX07-1Q01 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

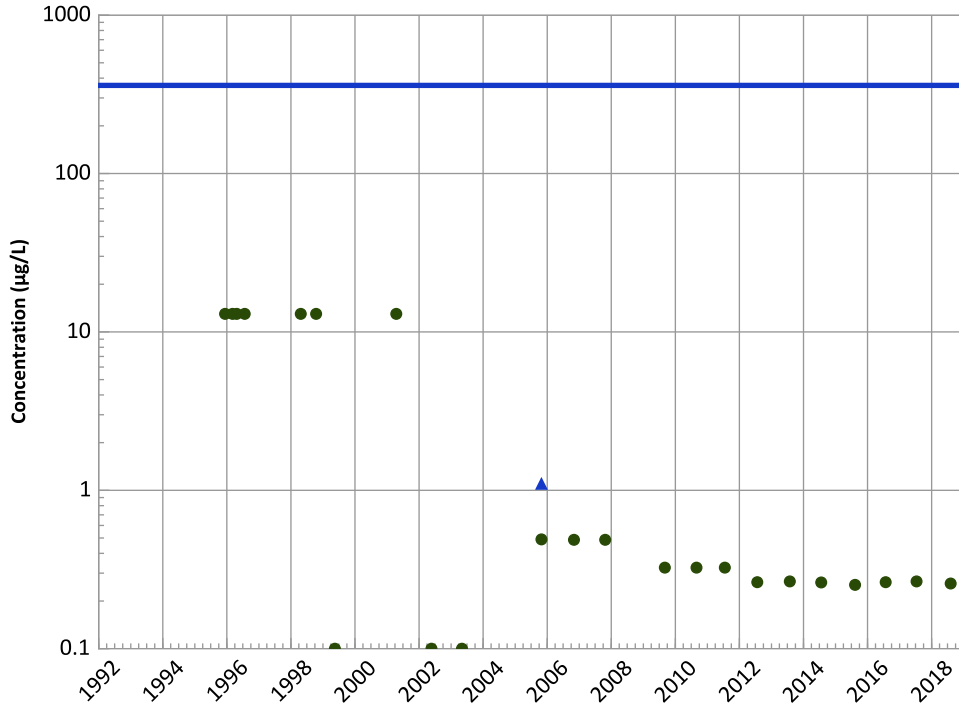
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

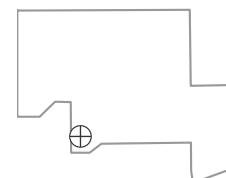
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

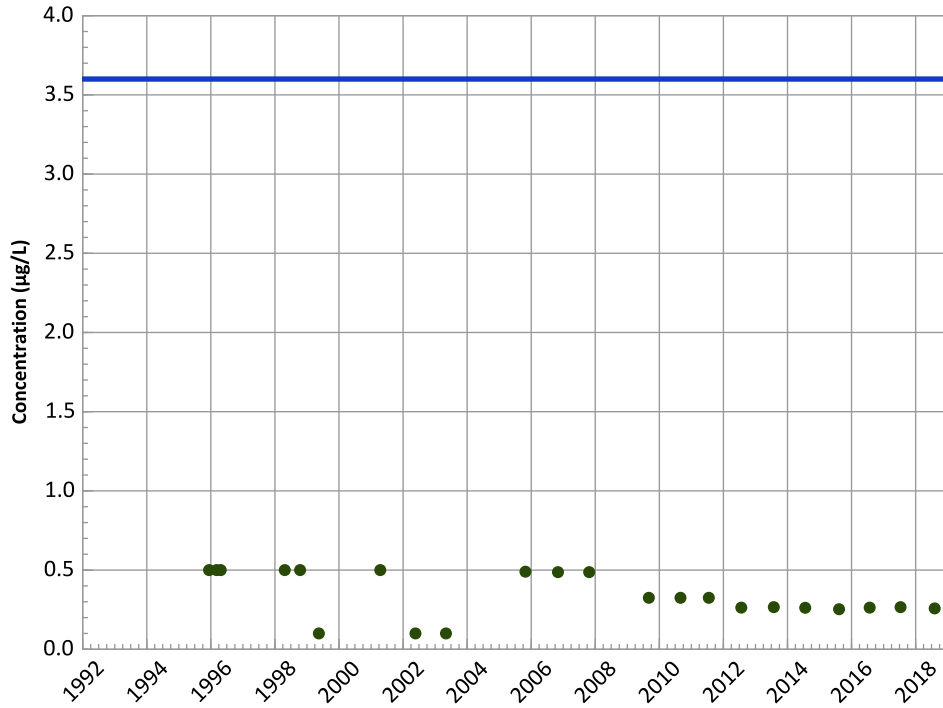
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

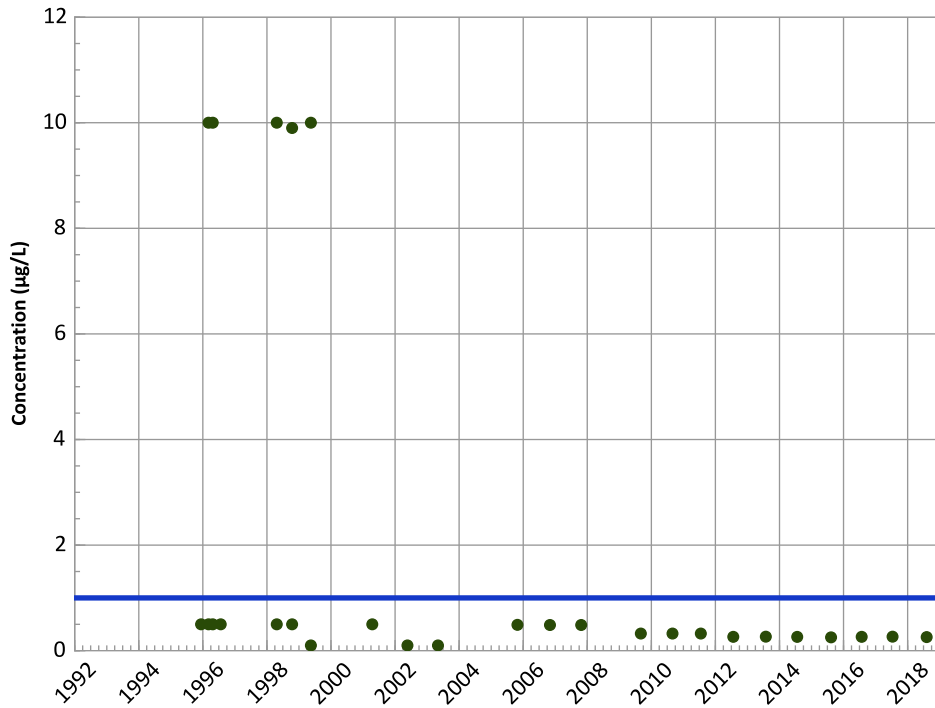
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

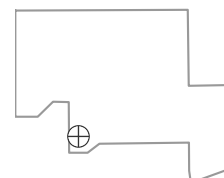
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

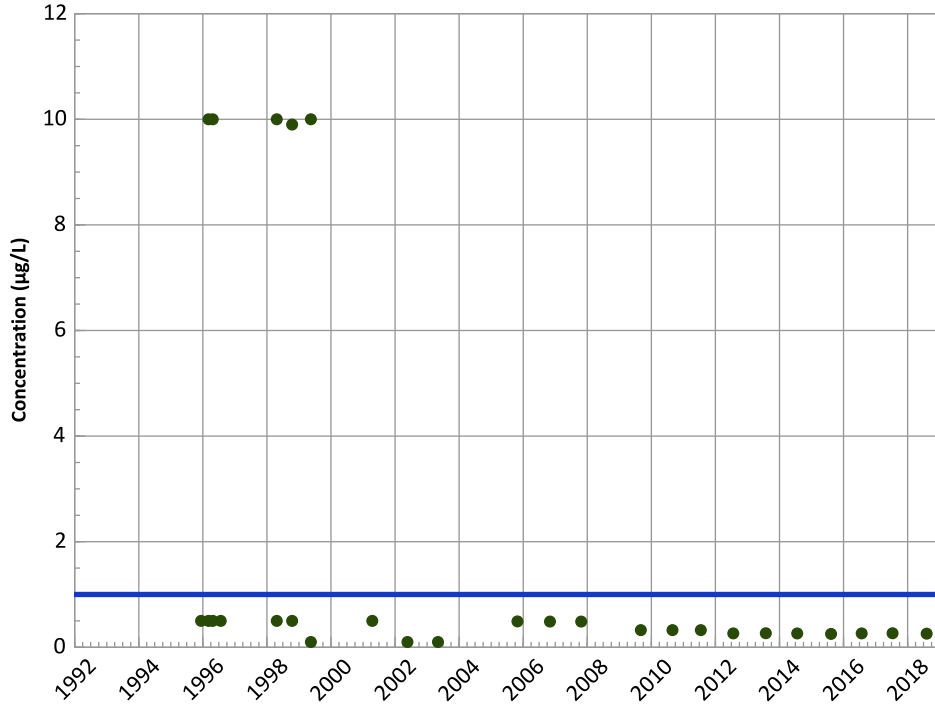
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

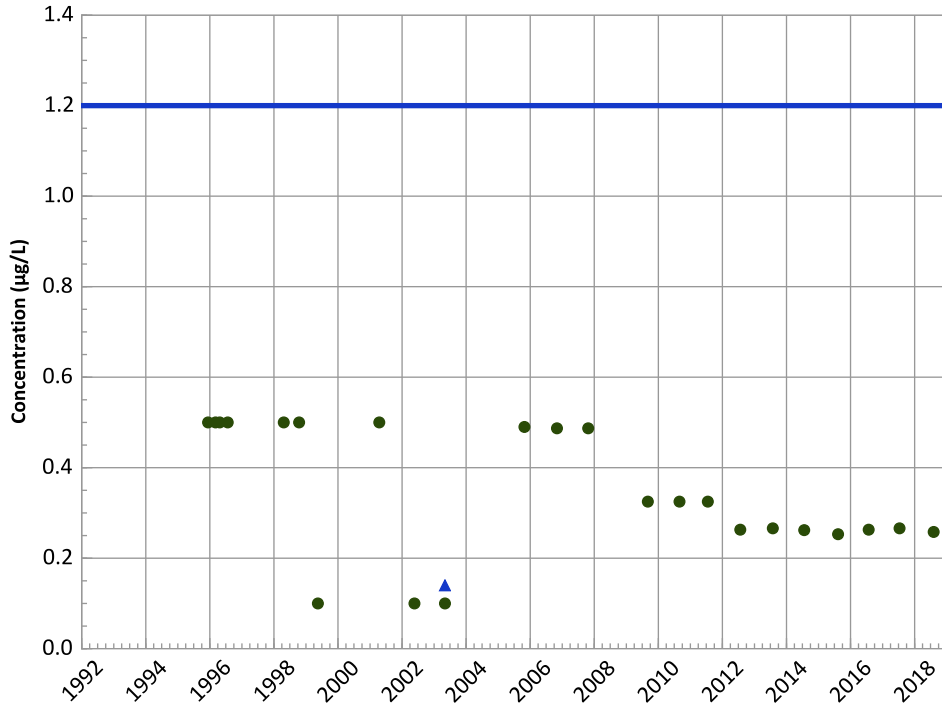
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

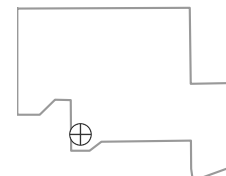
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

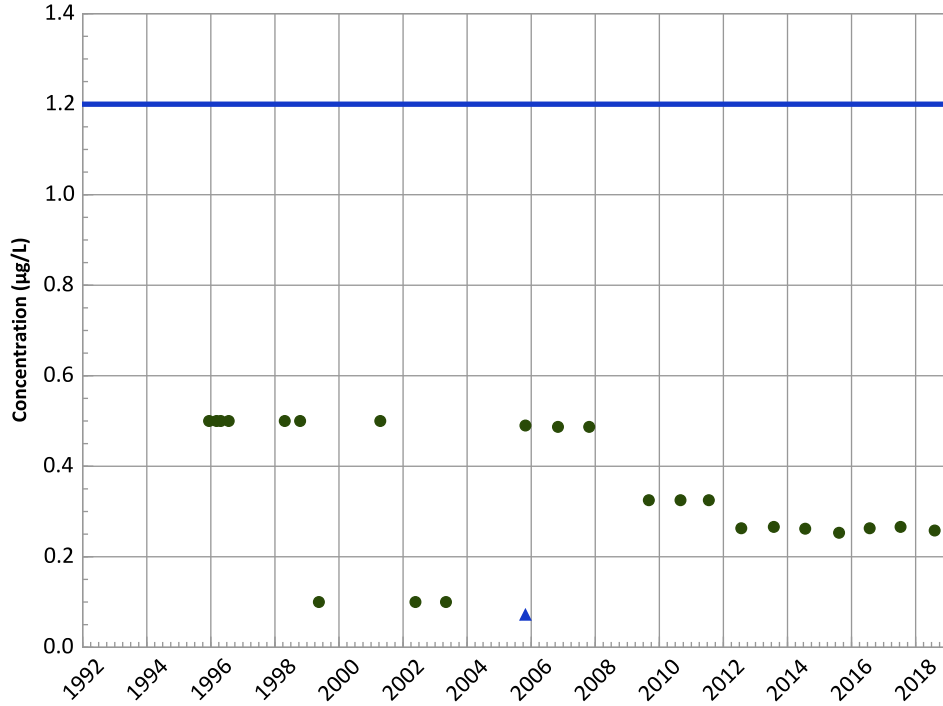
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

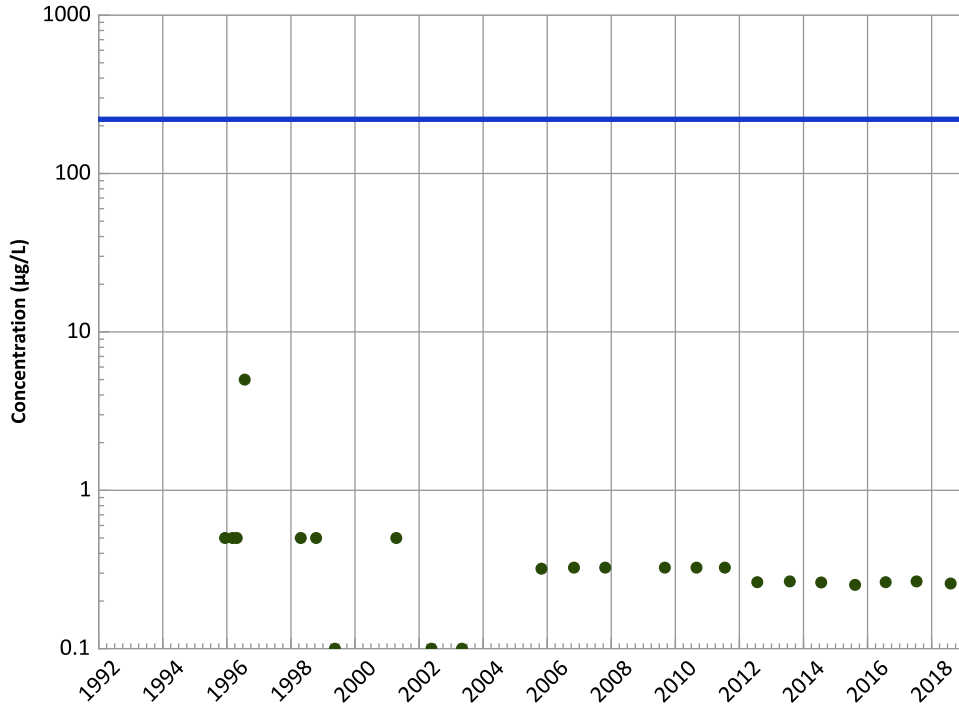
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

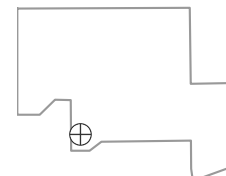
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

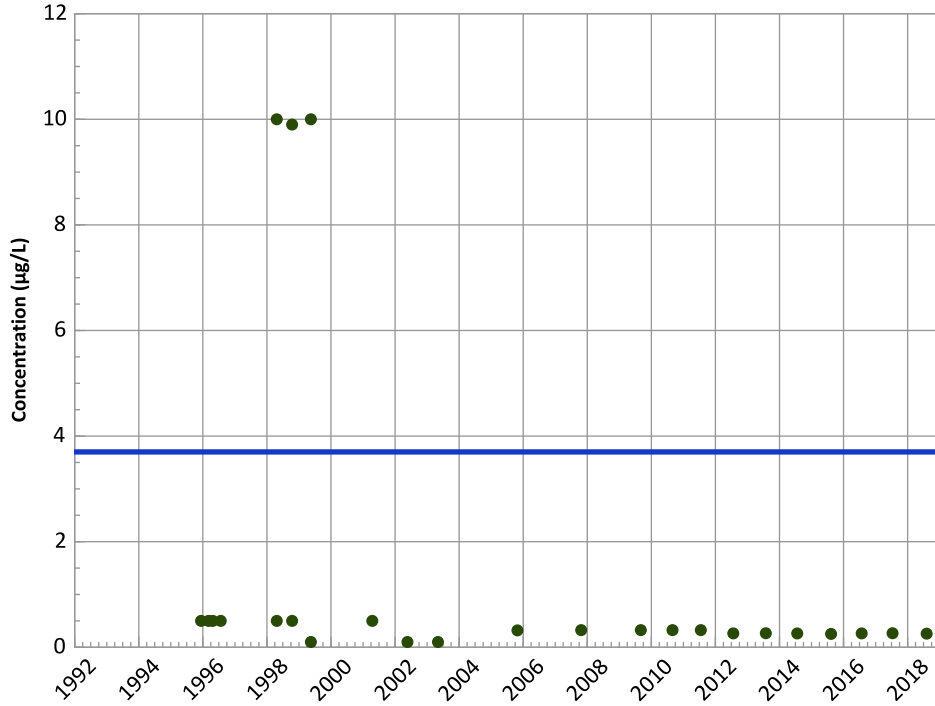
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

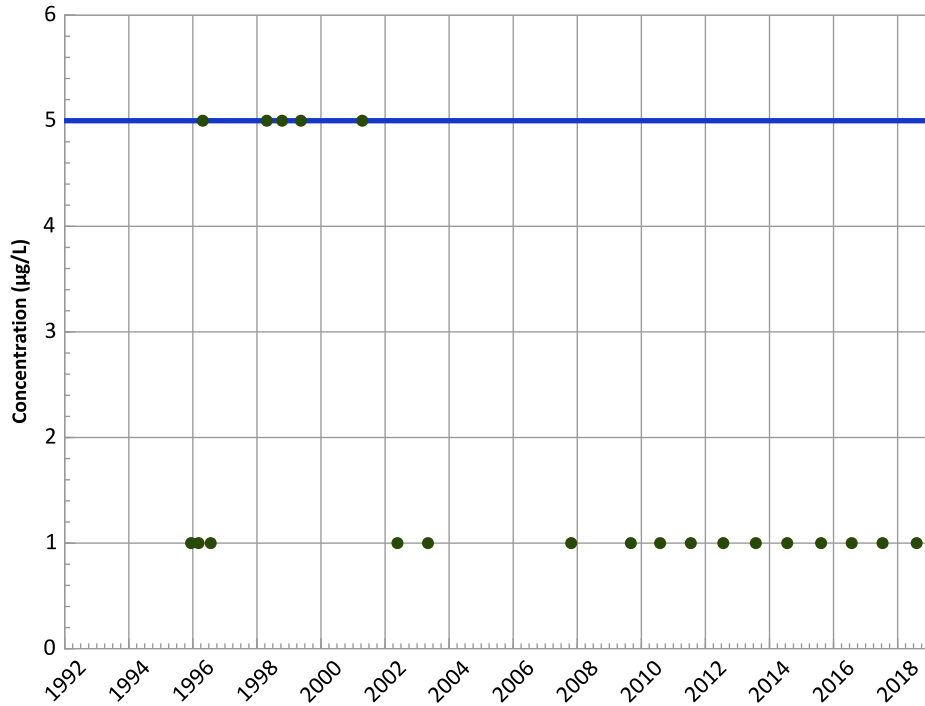
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

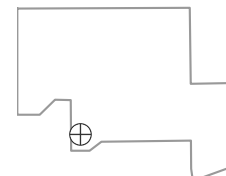
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

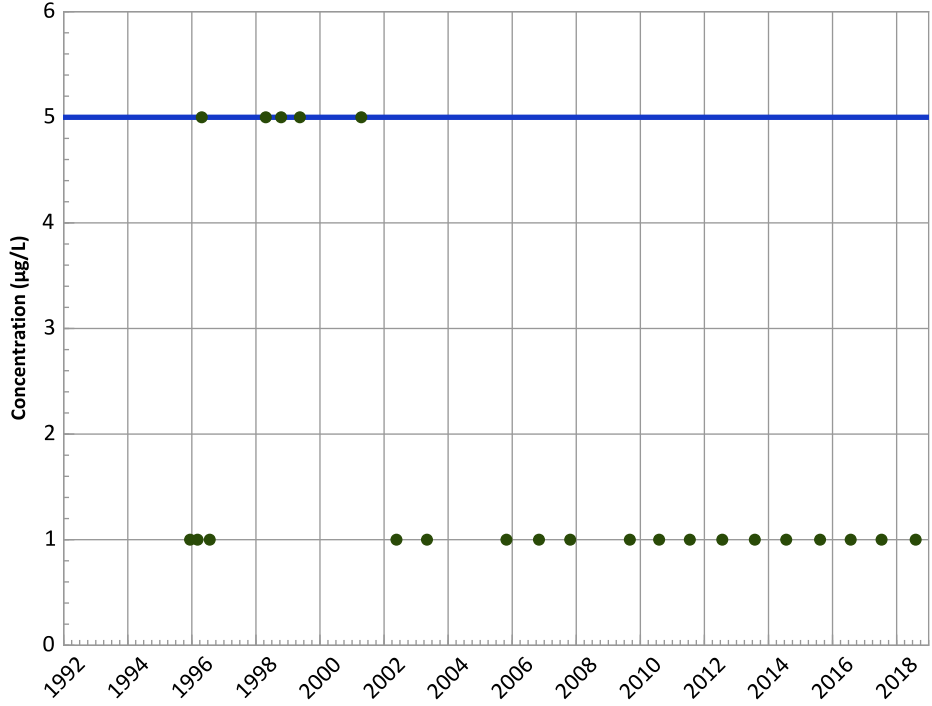
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

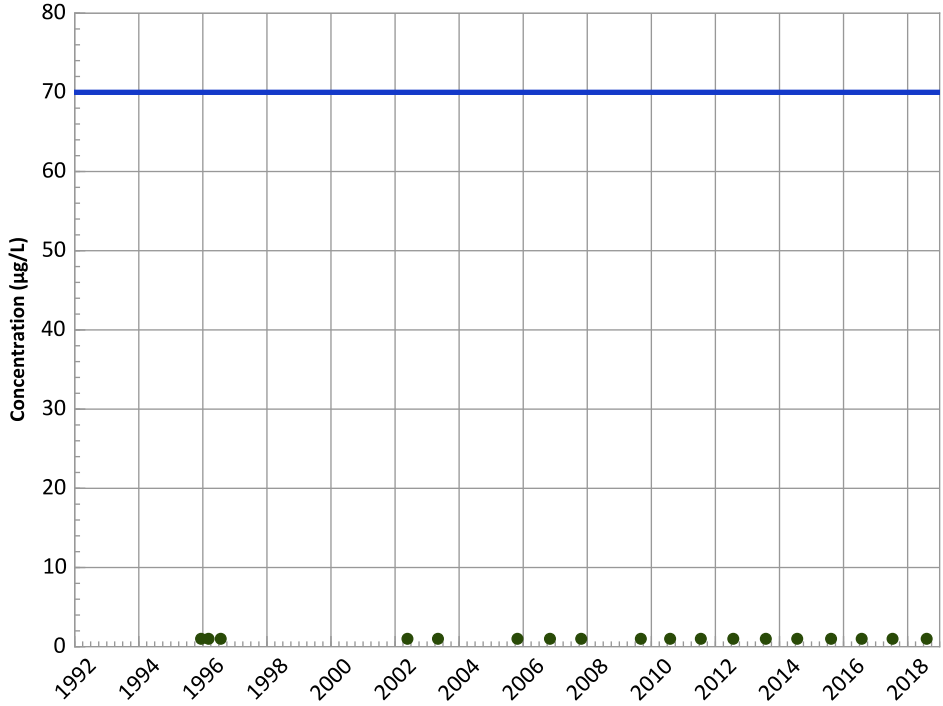
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

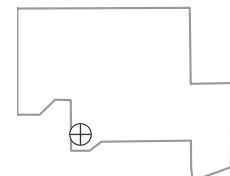
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

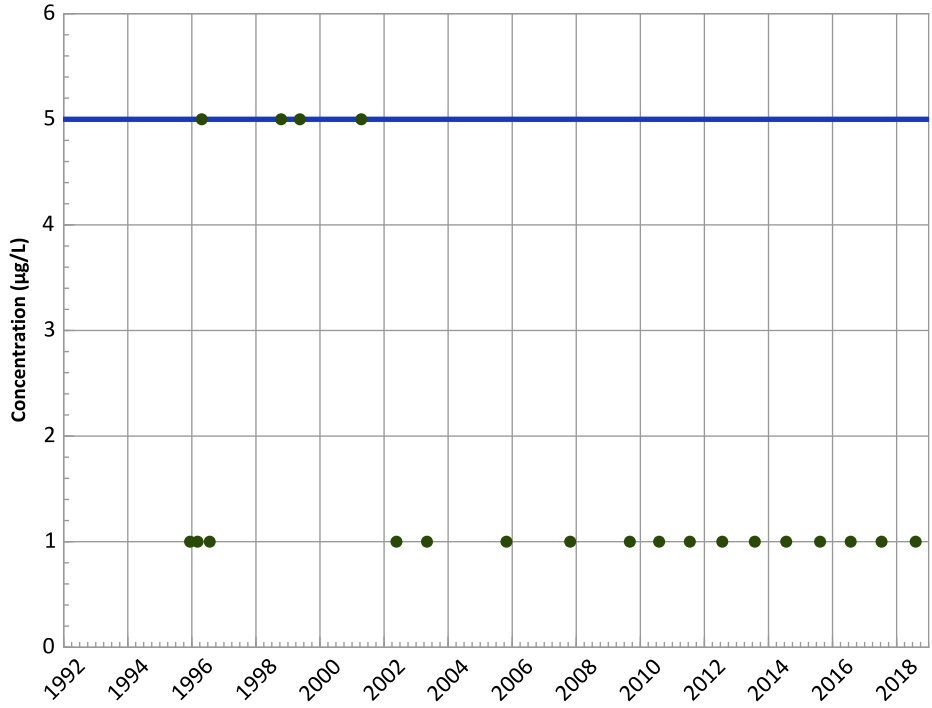
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

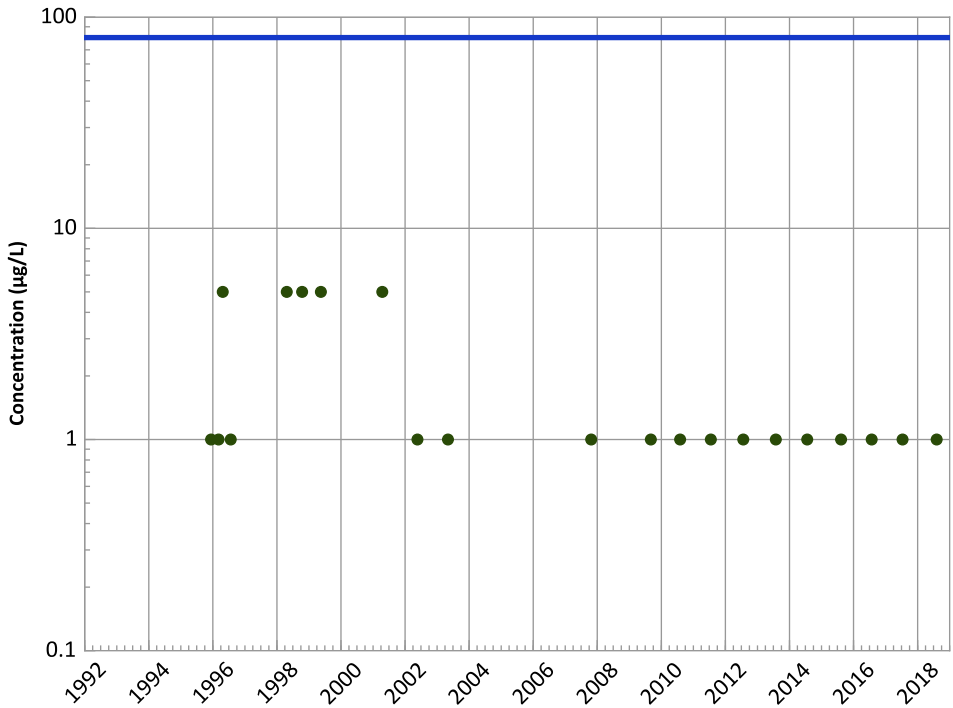
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

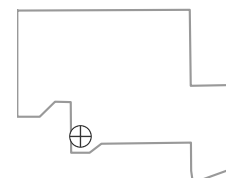
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

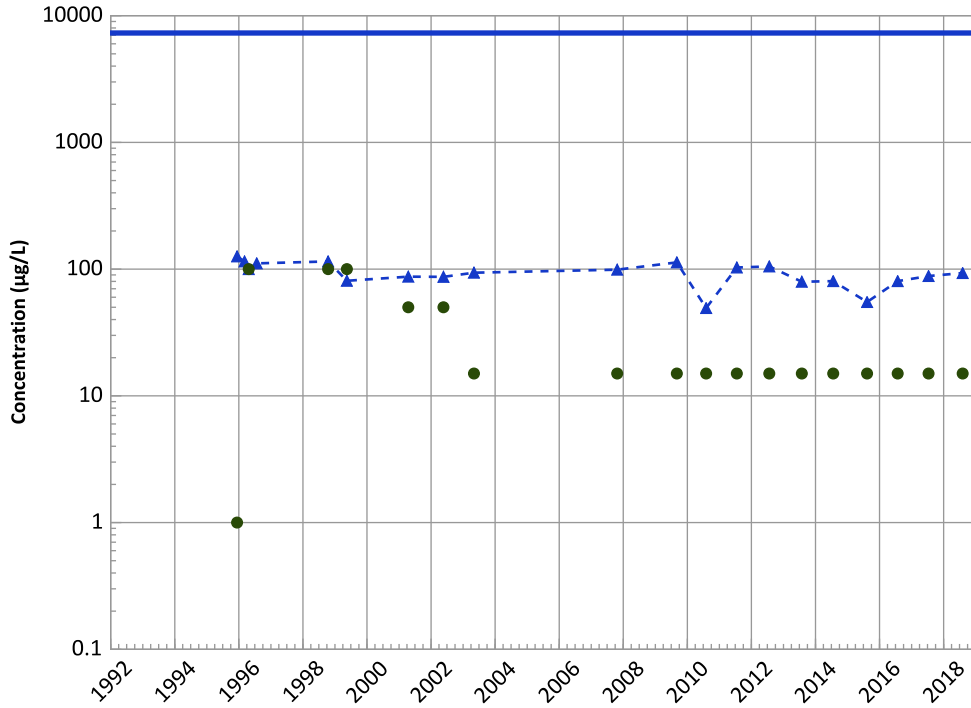
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q01 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

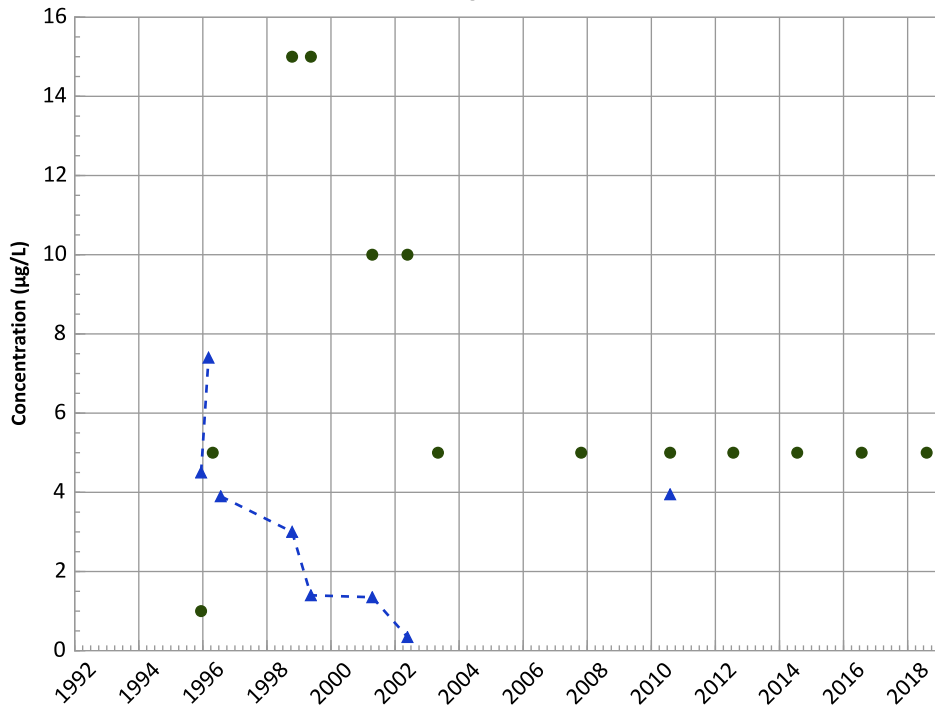
Data (2017 - 2021):

Stable

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

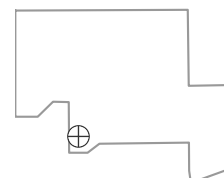
All Data:

Stable

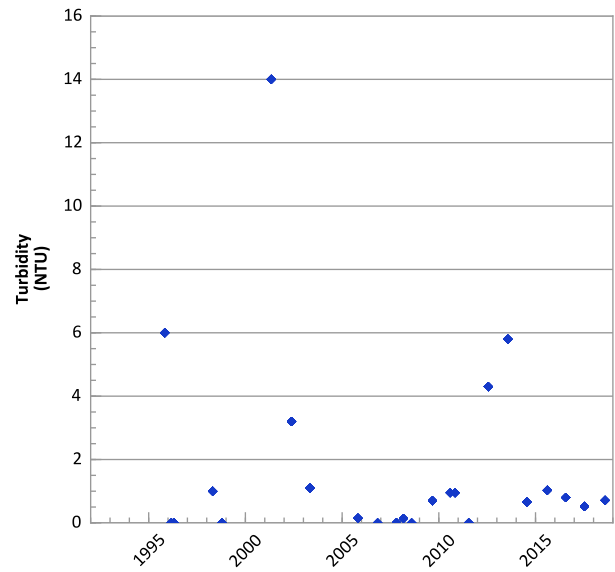
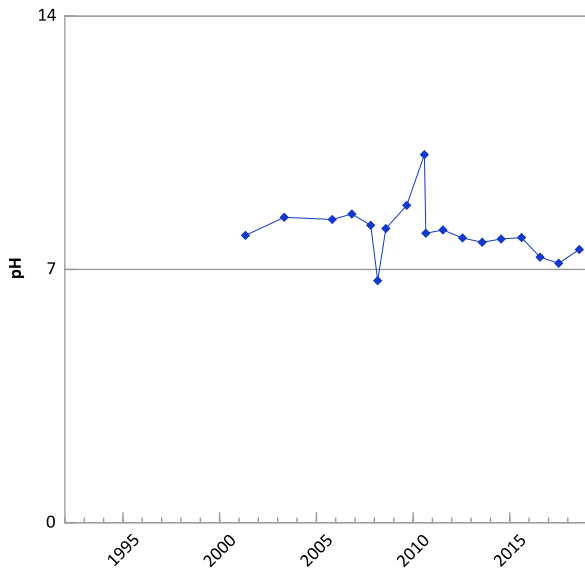
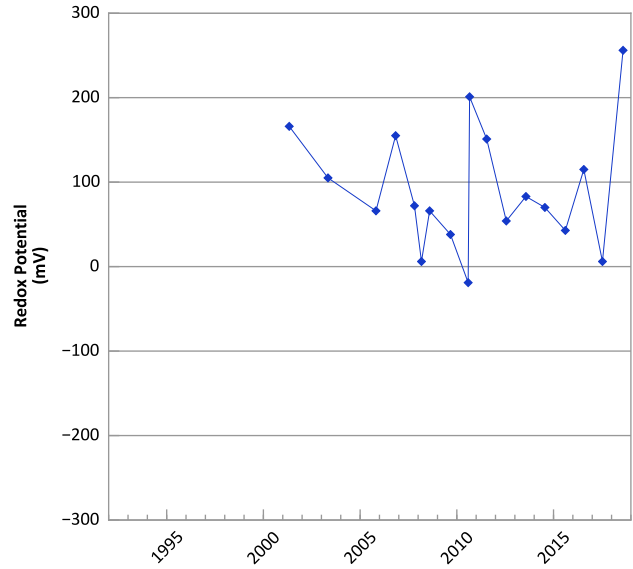
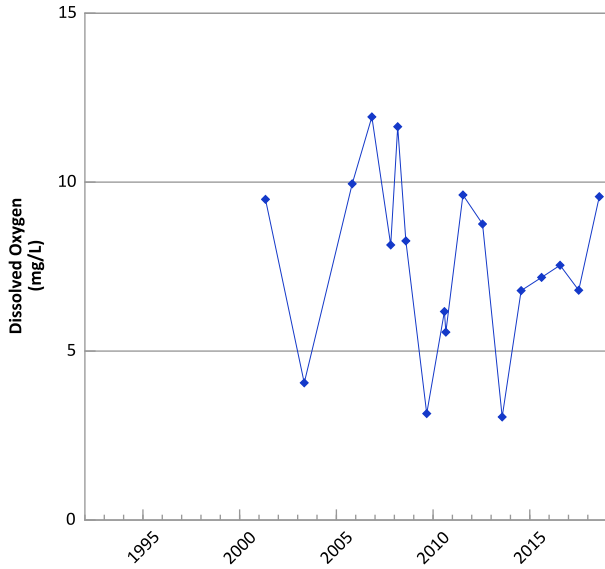
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

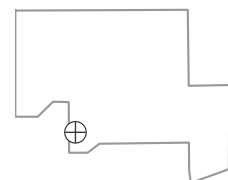


**PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



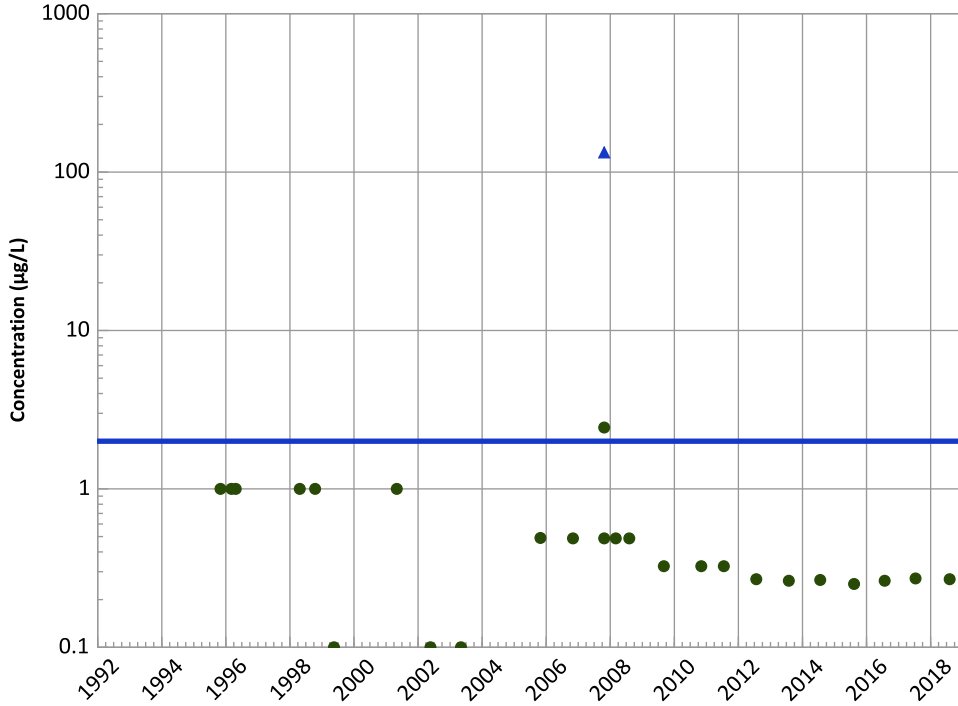
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/01/1995 to 08/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

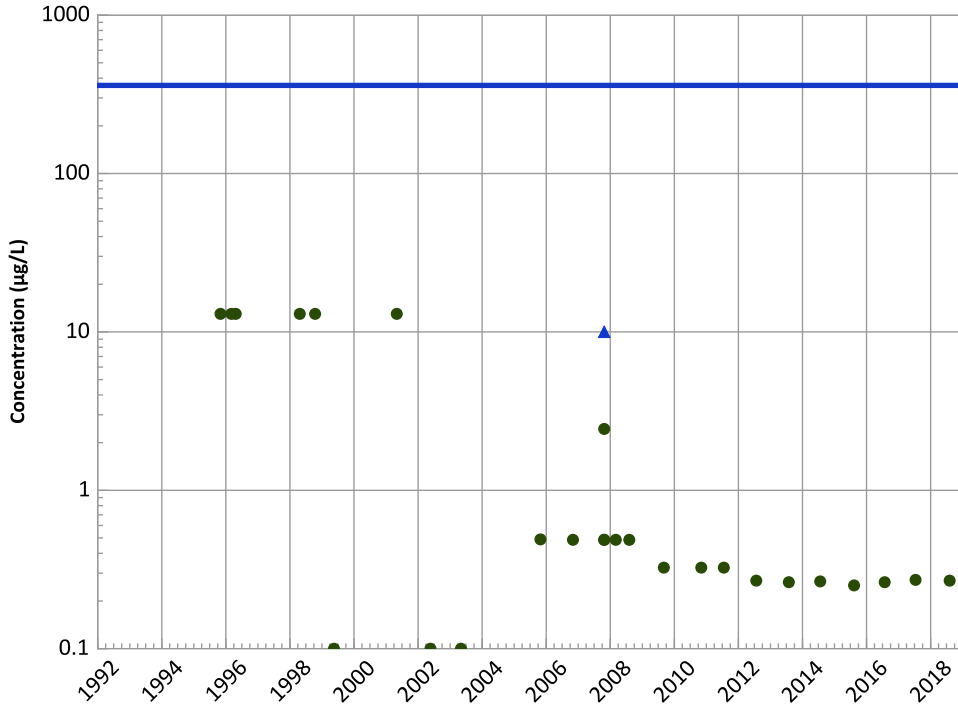
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All 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 (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

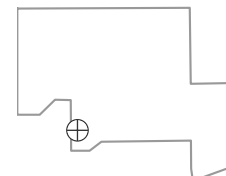
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

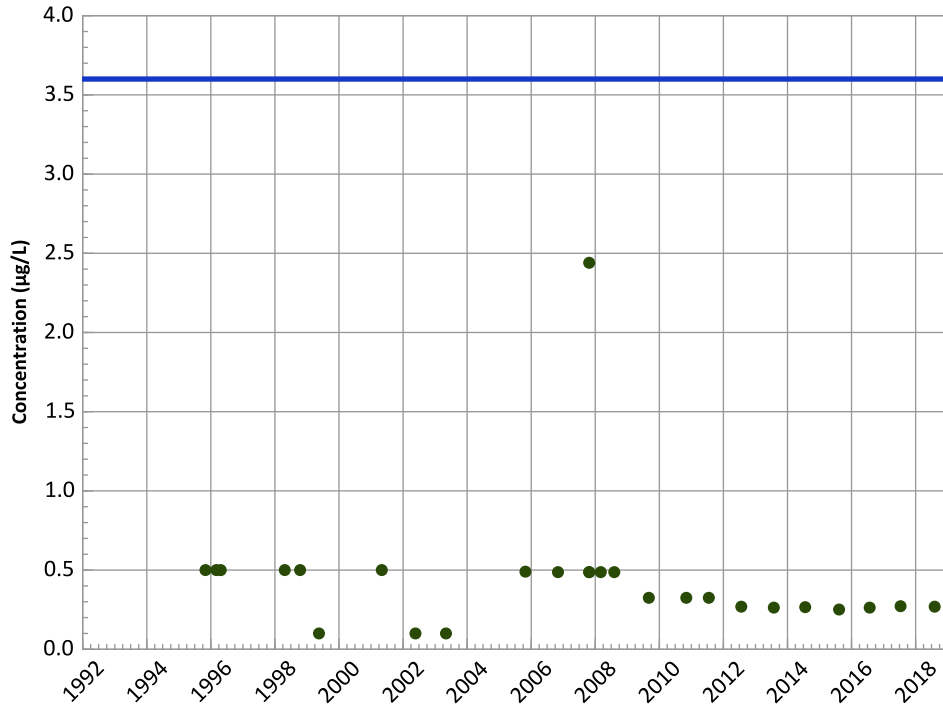
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

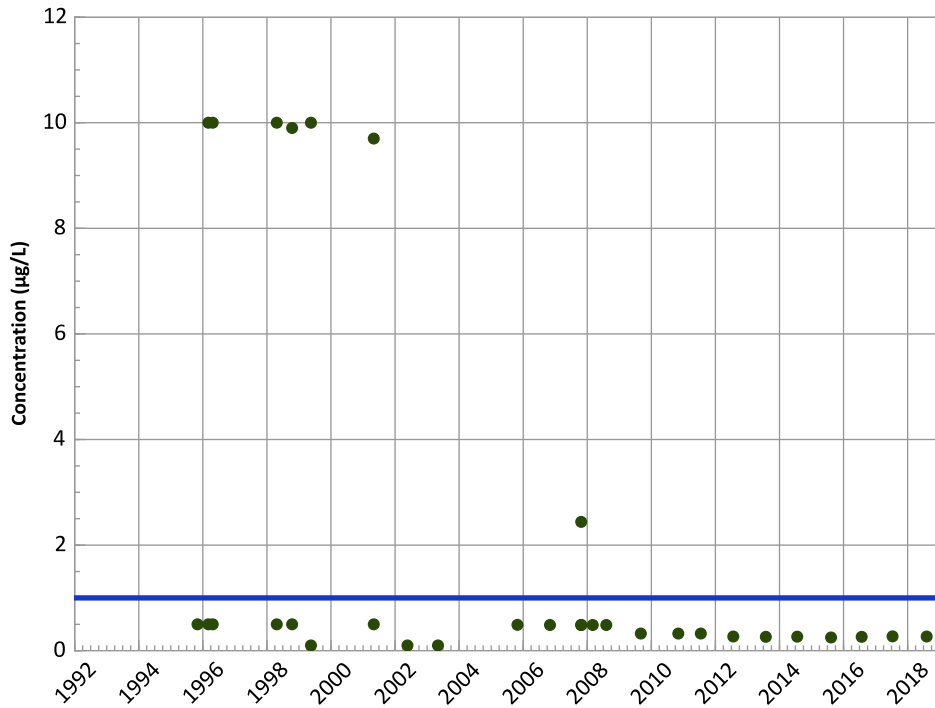
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

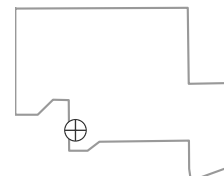
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

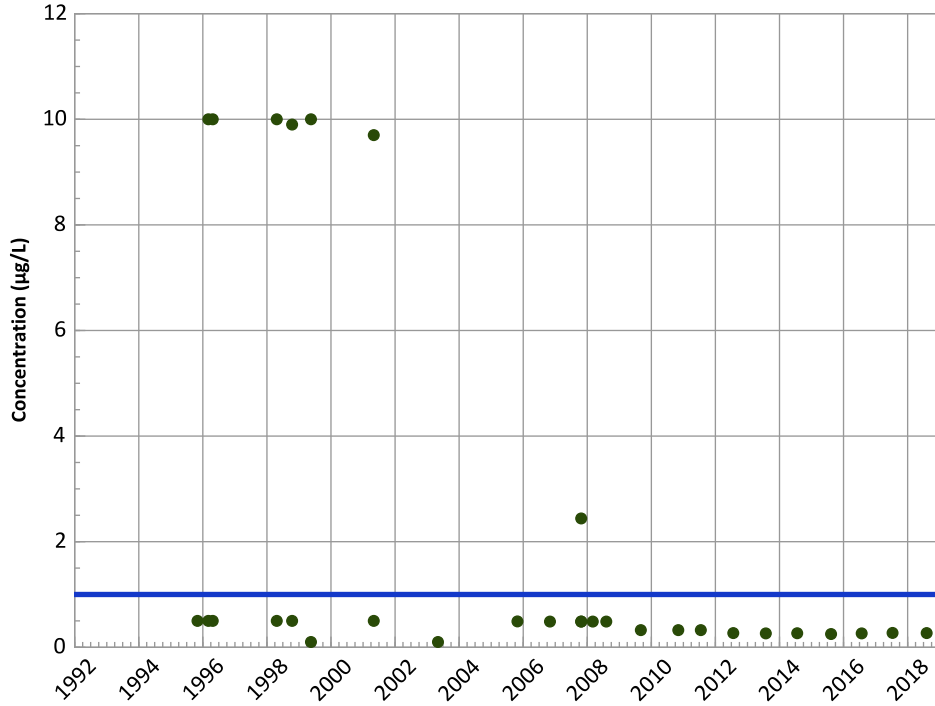
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

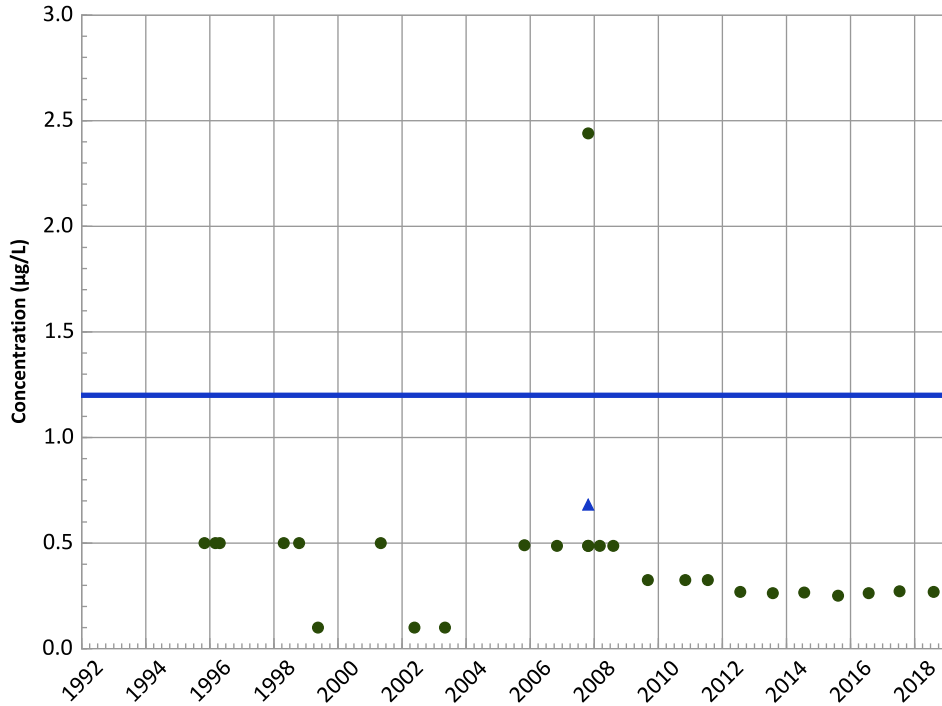
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

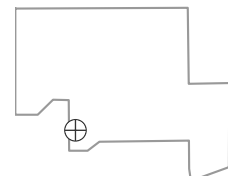
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

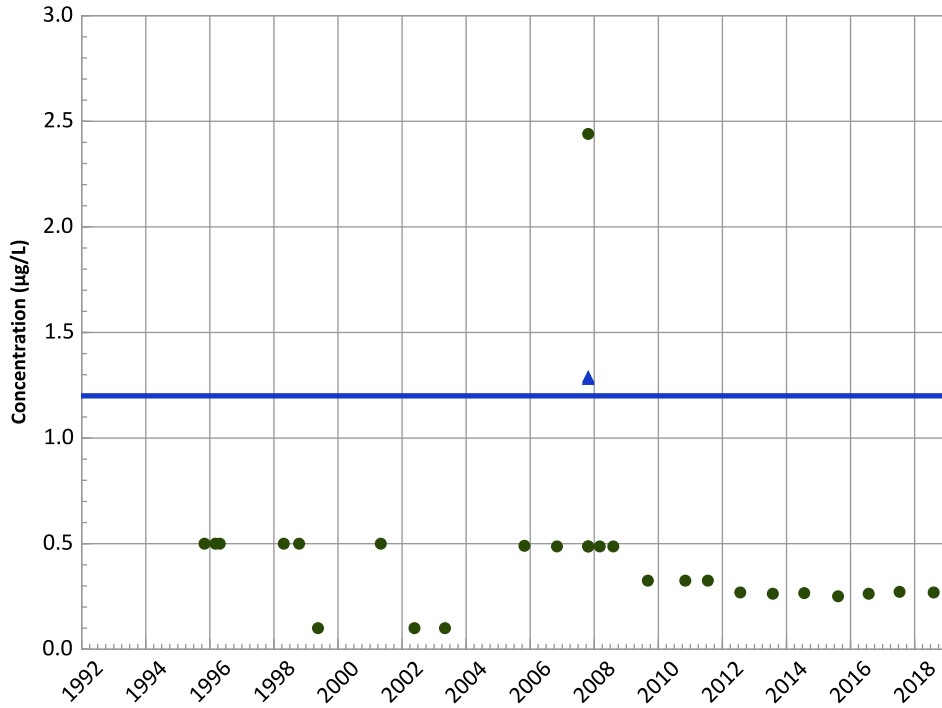
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

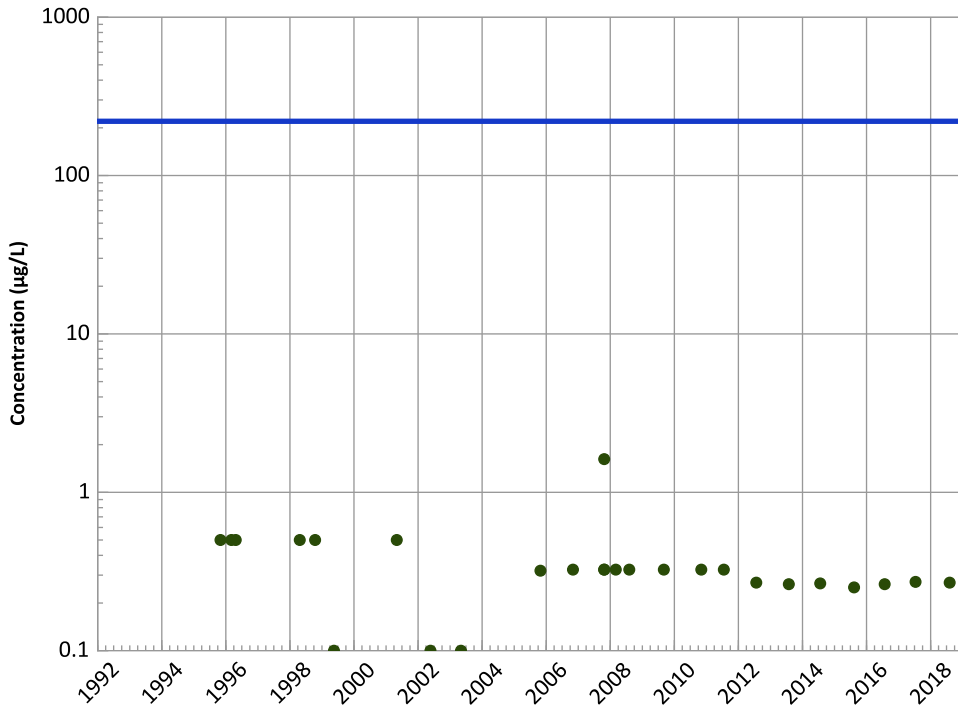


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

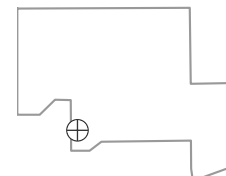
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

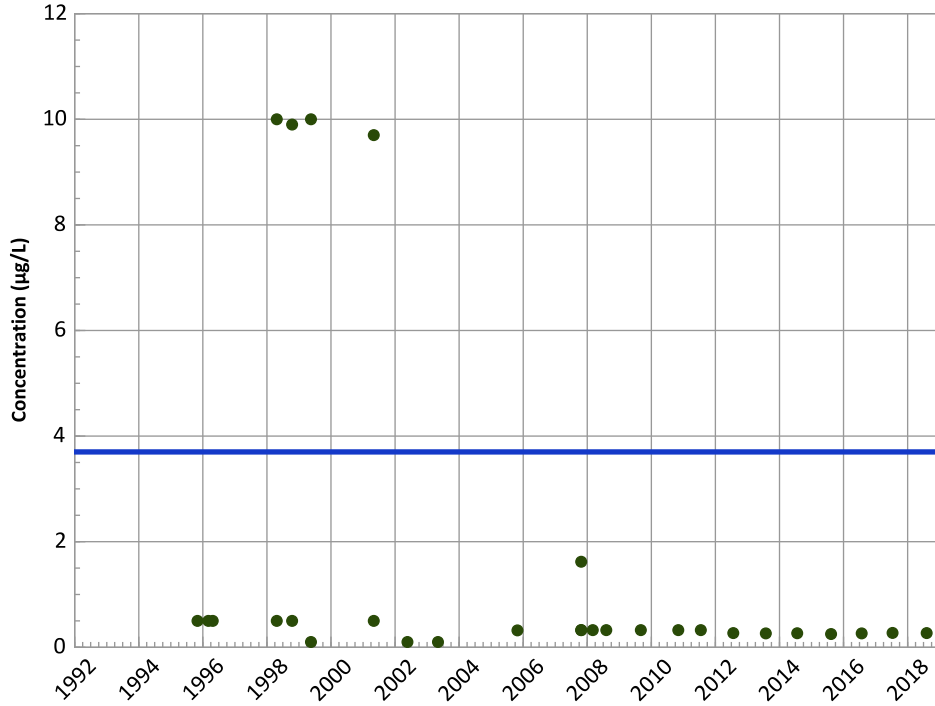
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

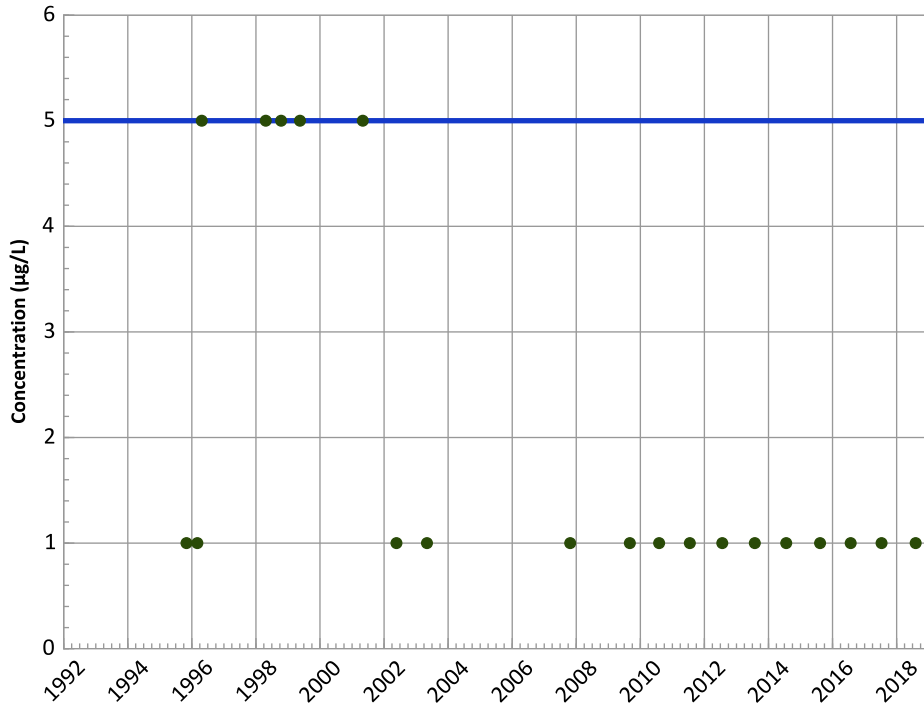
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

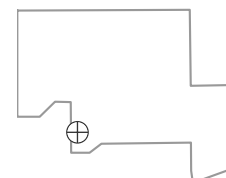
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

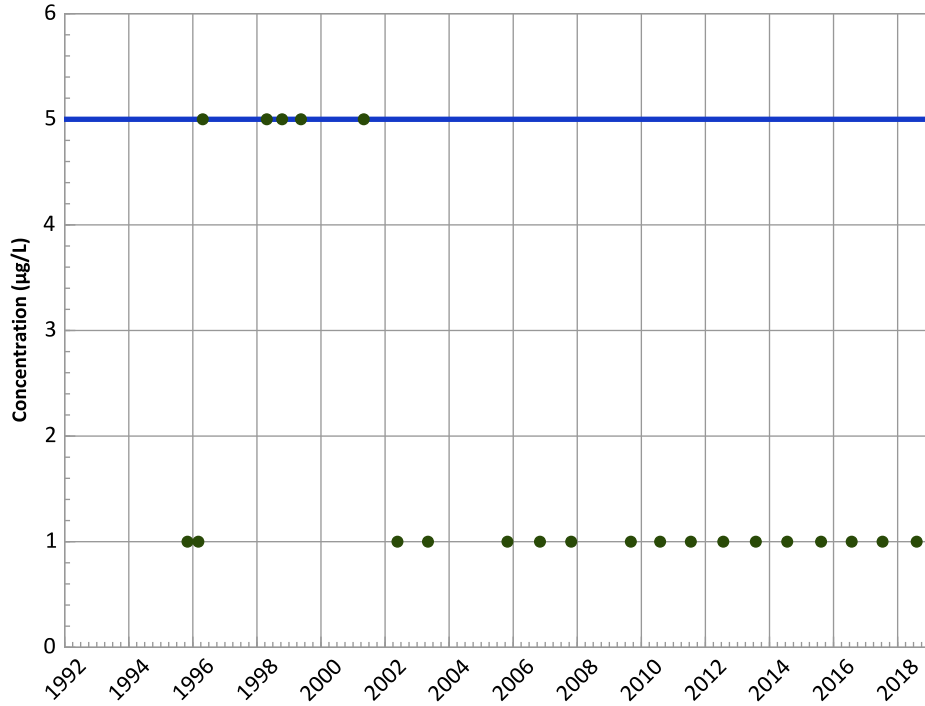


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

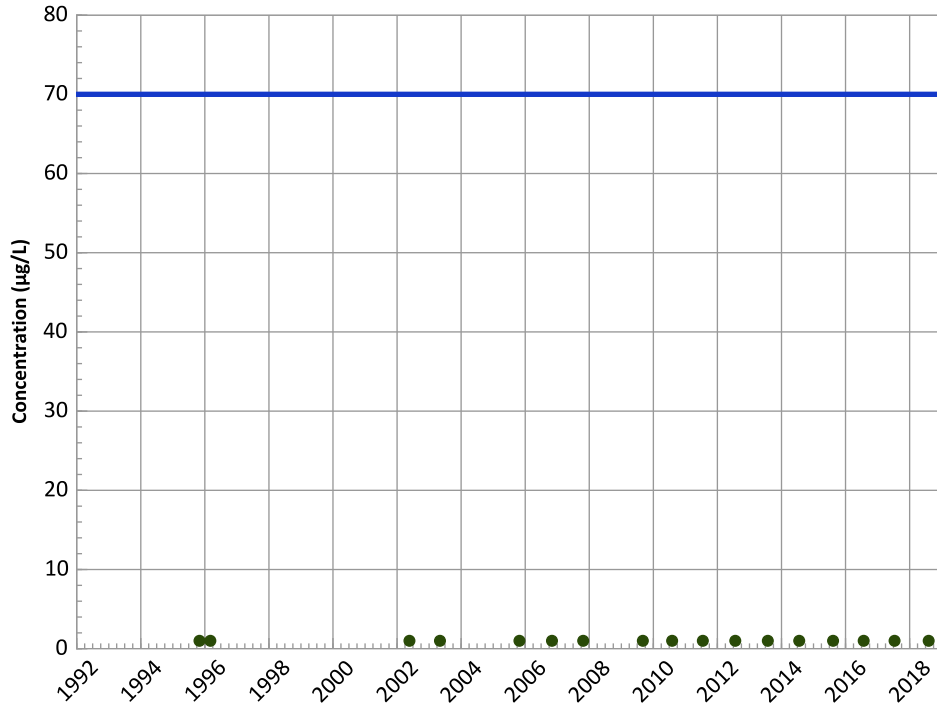
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

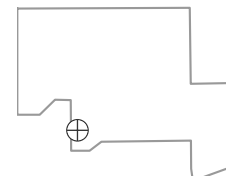
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

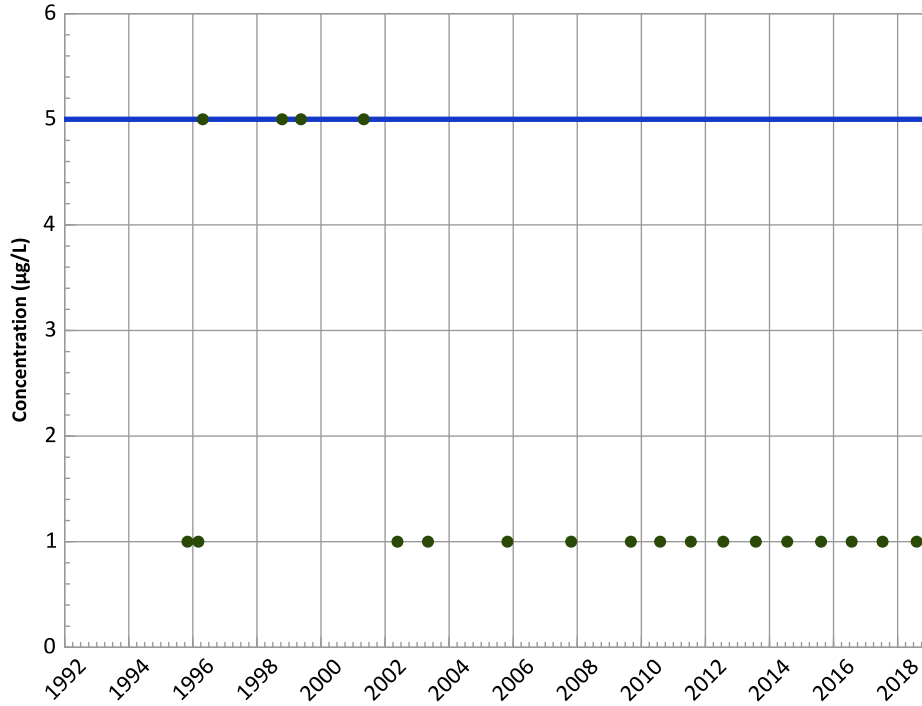
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

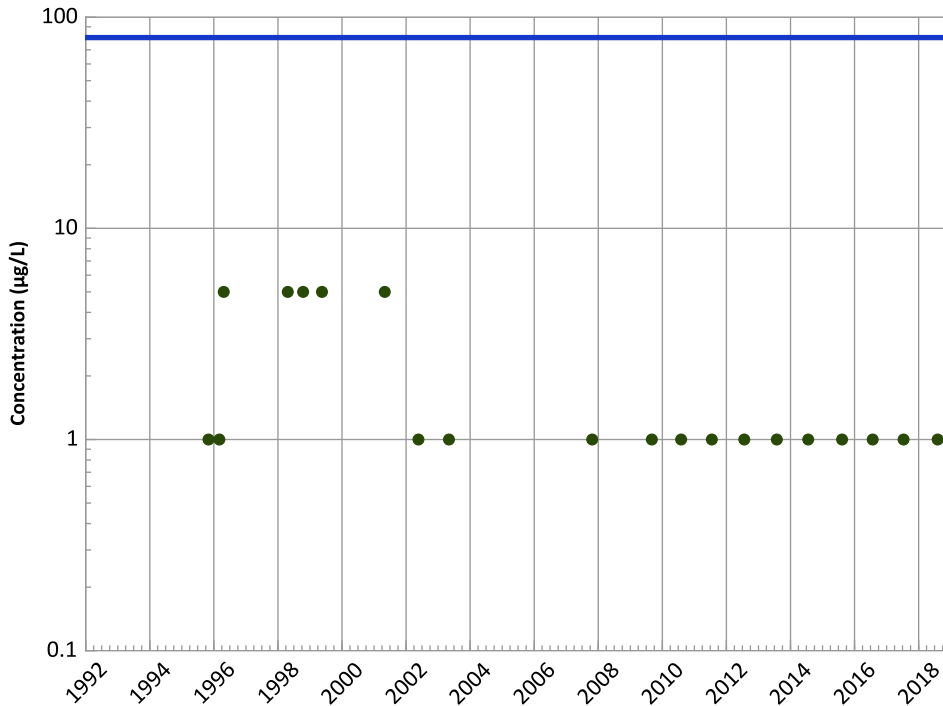
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

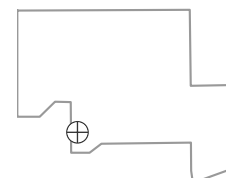
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

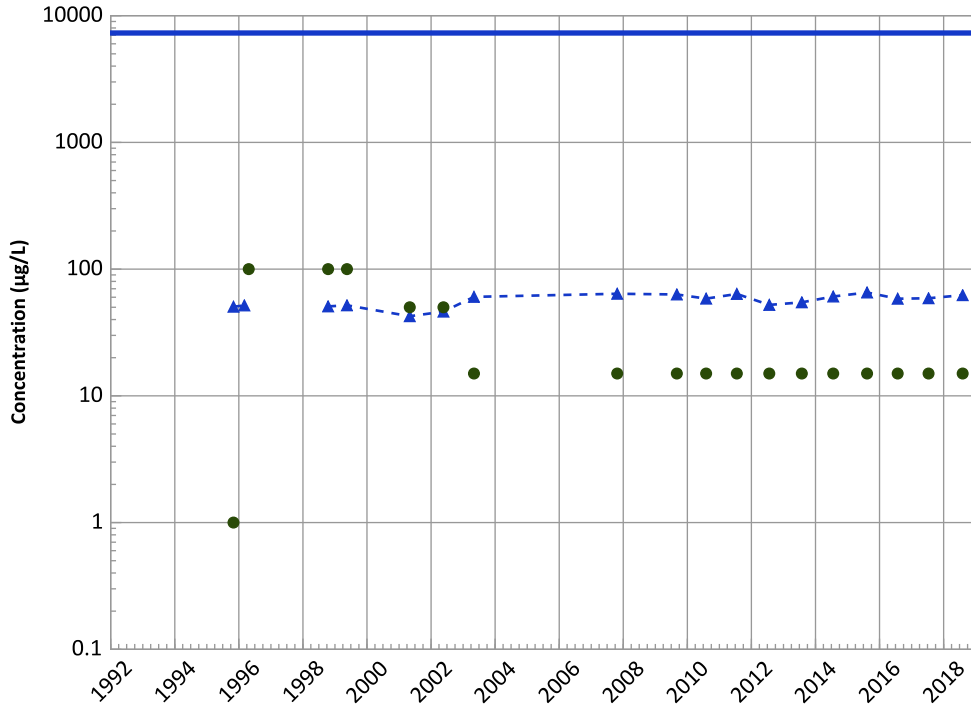
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q02 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

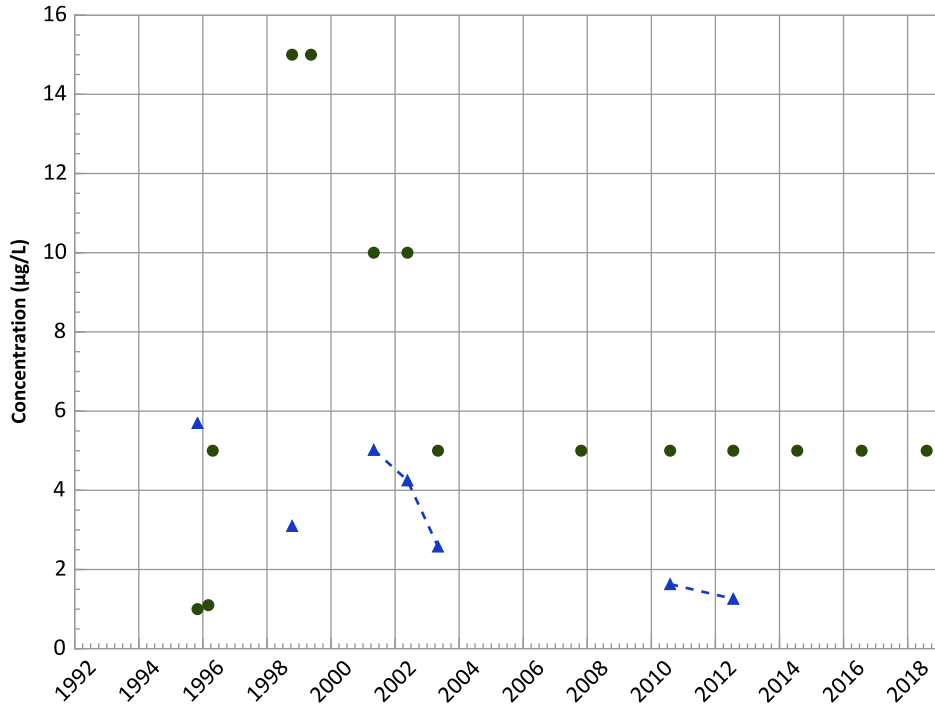
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

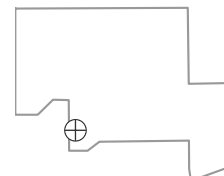
All Data:

Decreasing

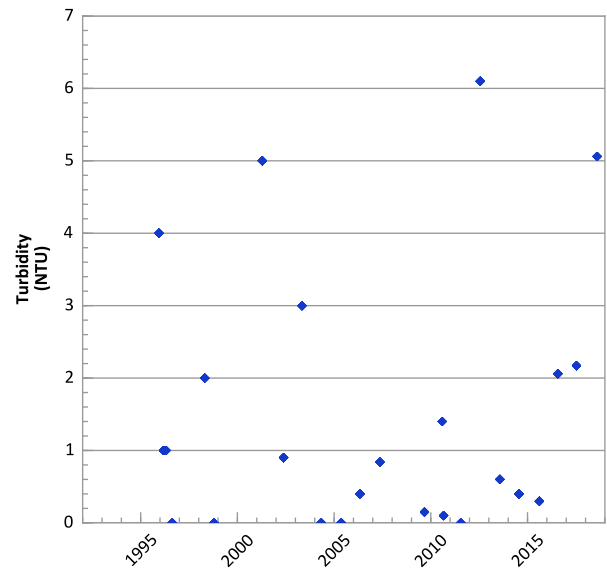
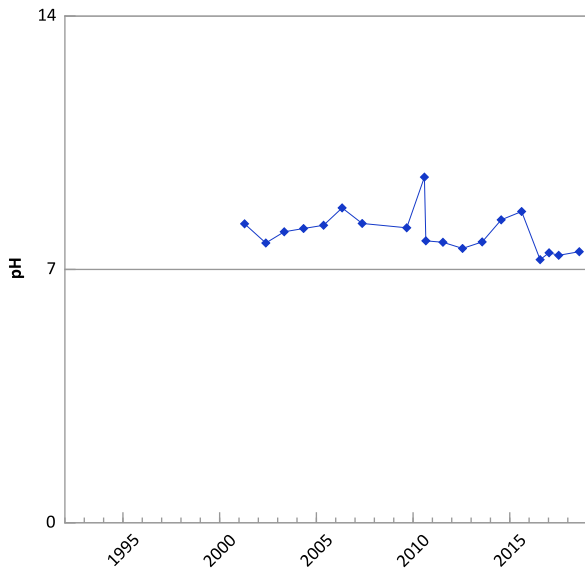
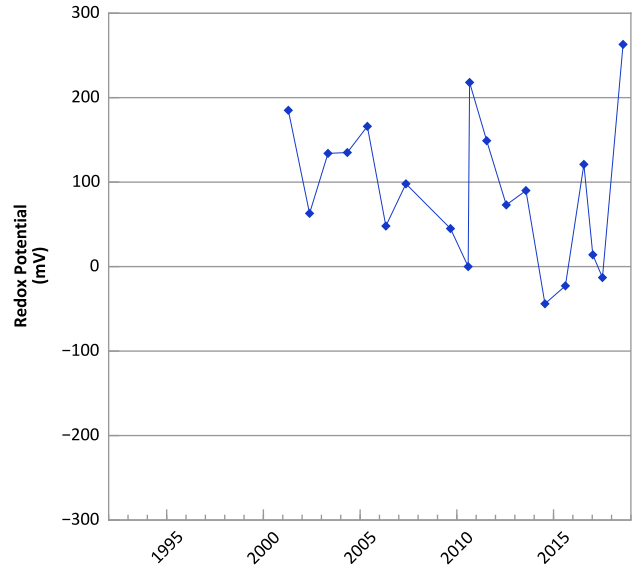
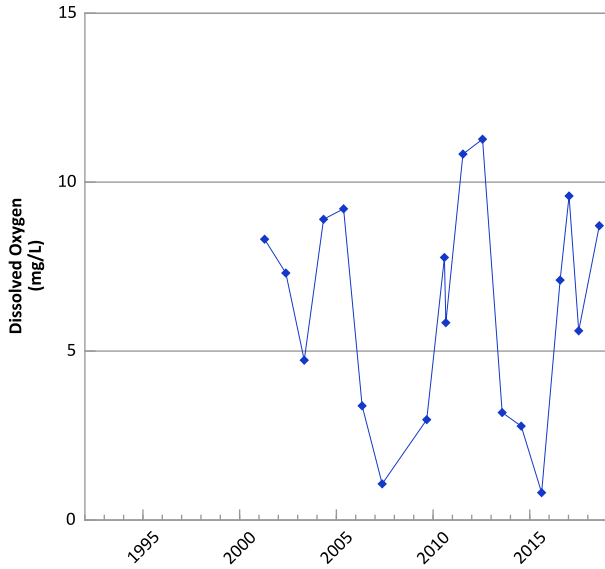
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/01/1995 to 08/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

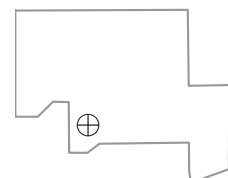


**PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



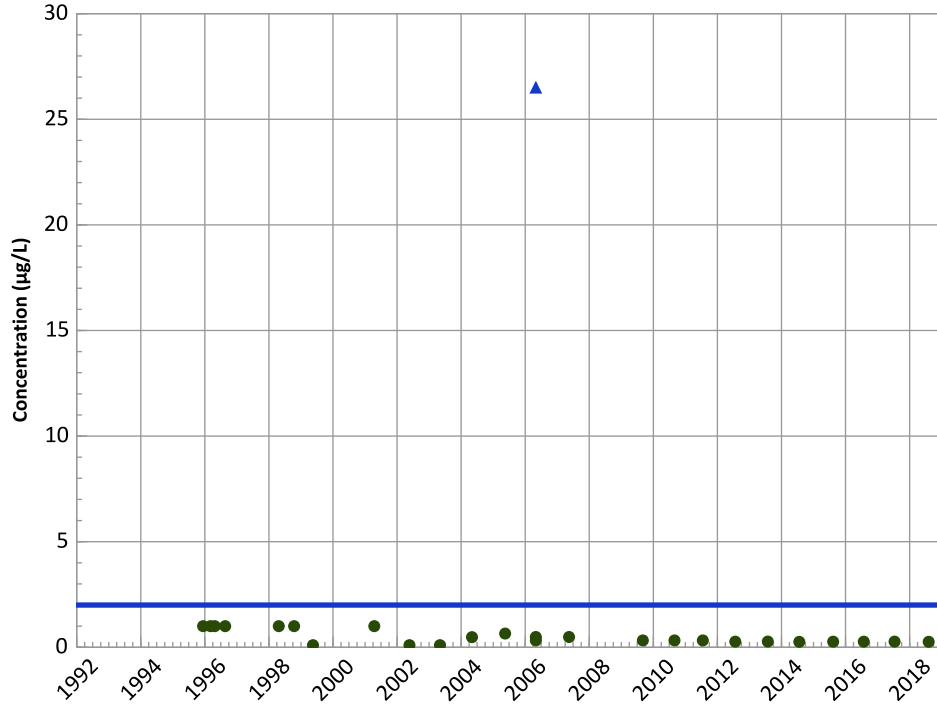
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/12/1995 to 08/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX07-1Q03 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 (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

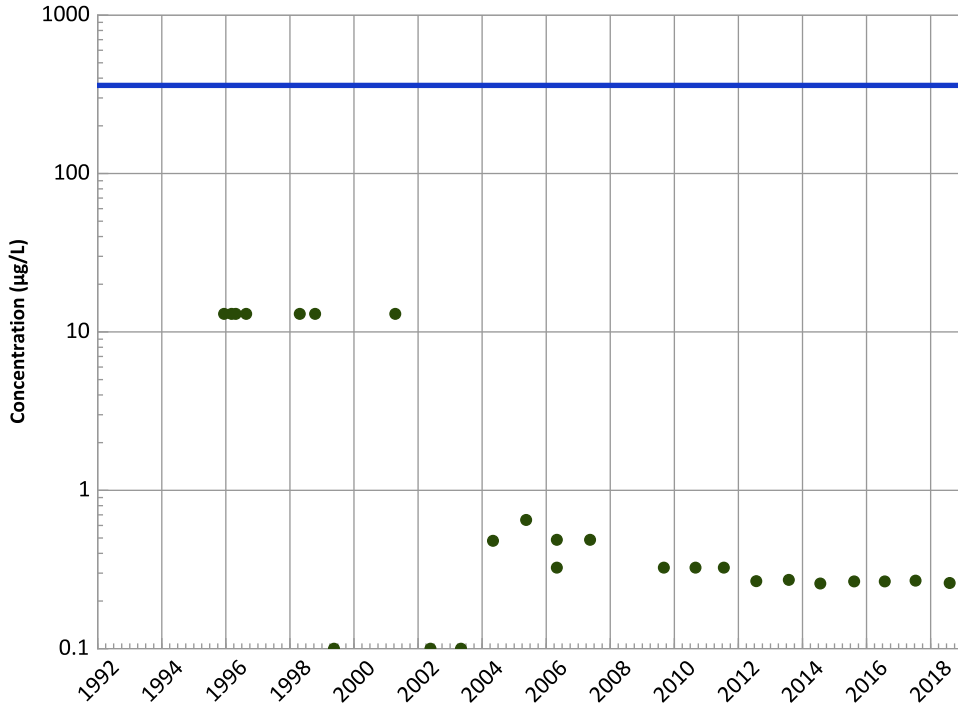
Data (2017 - 2021):

All Non-Detect

All 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

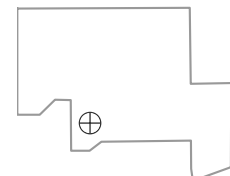
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

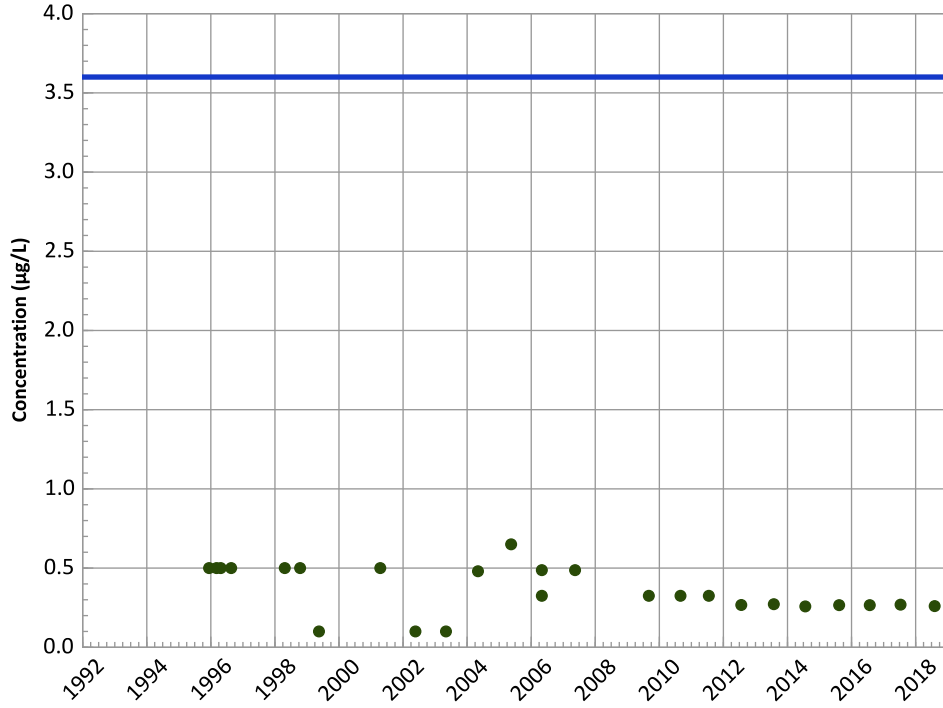
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

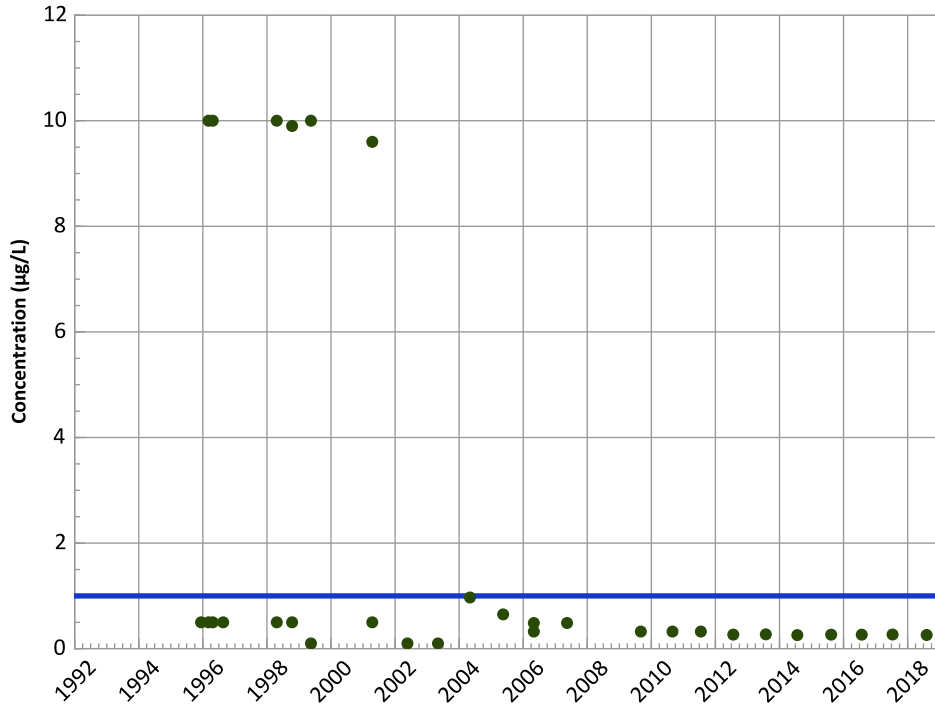
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

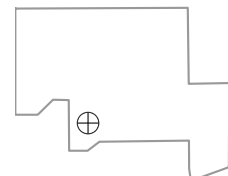
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

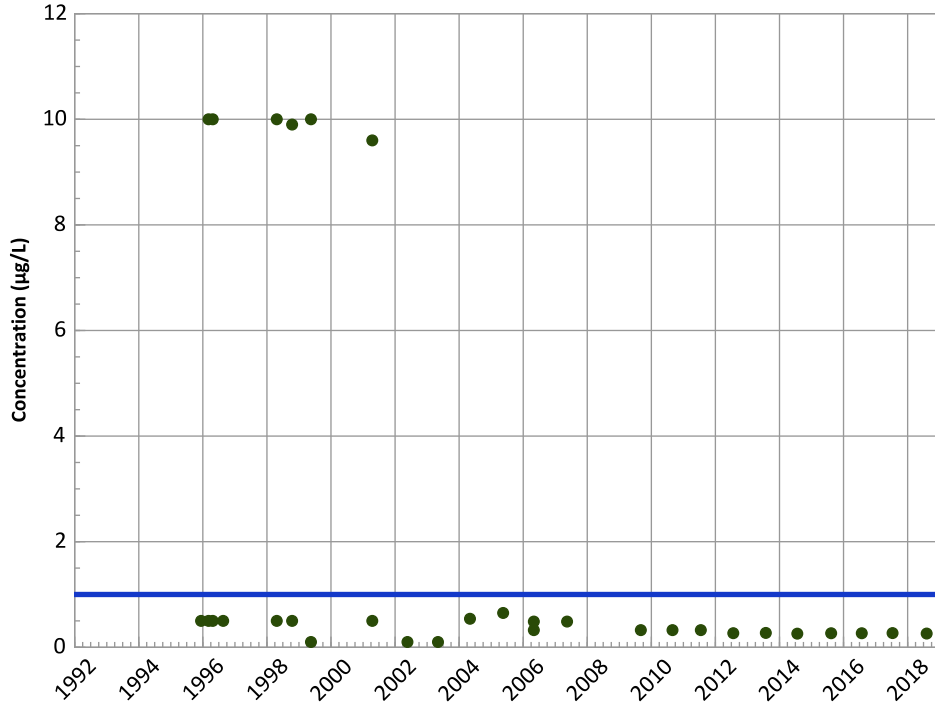
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

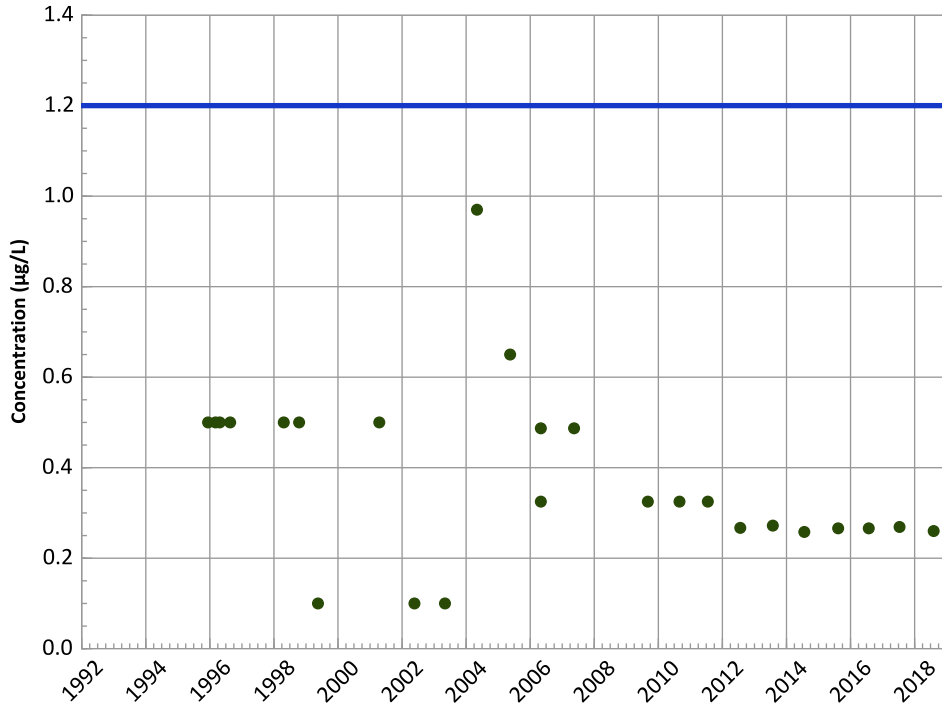
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

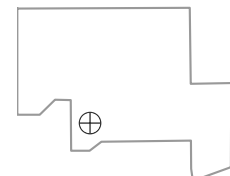
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

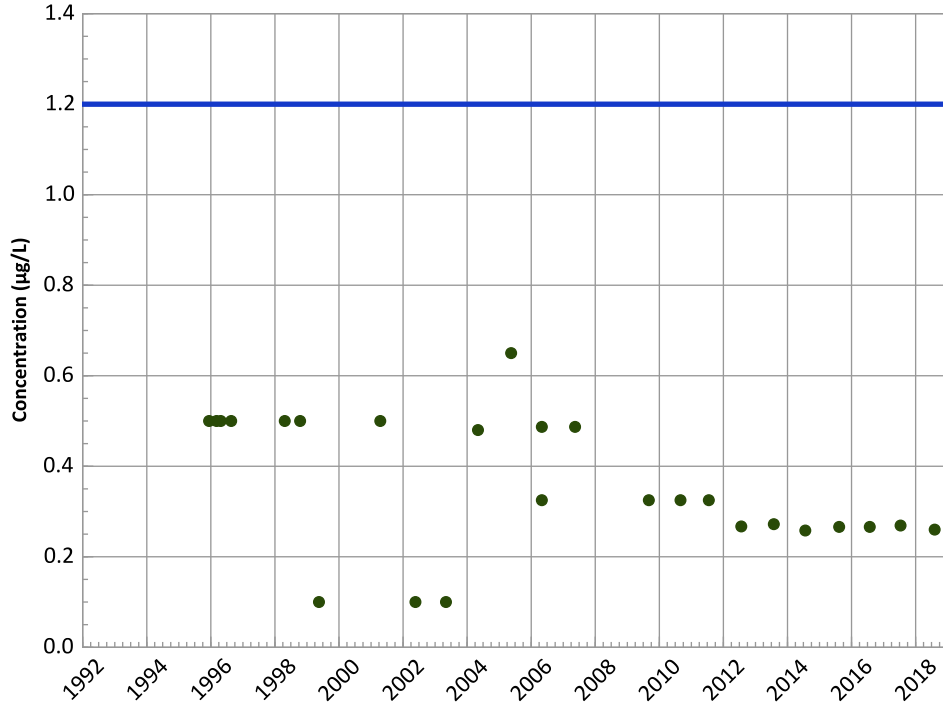


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

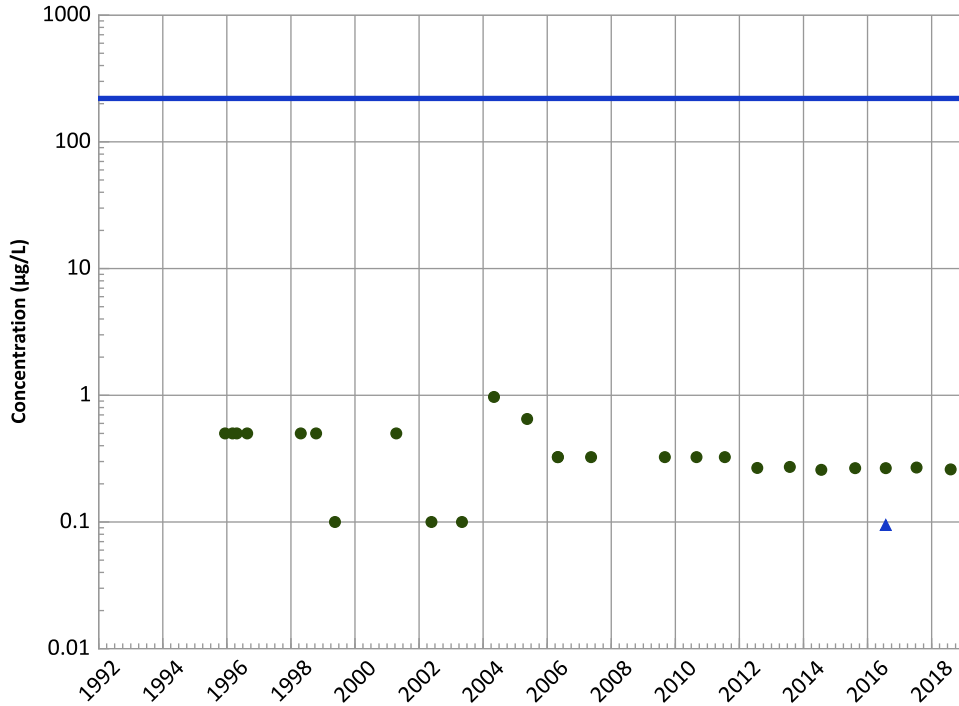
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

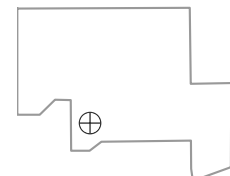
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

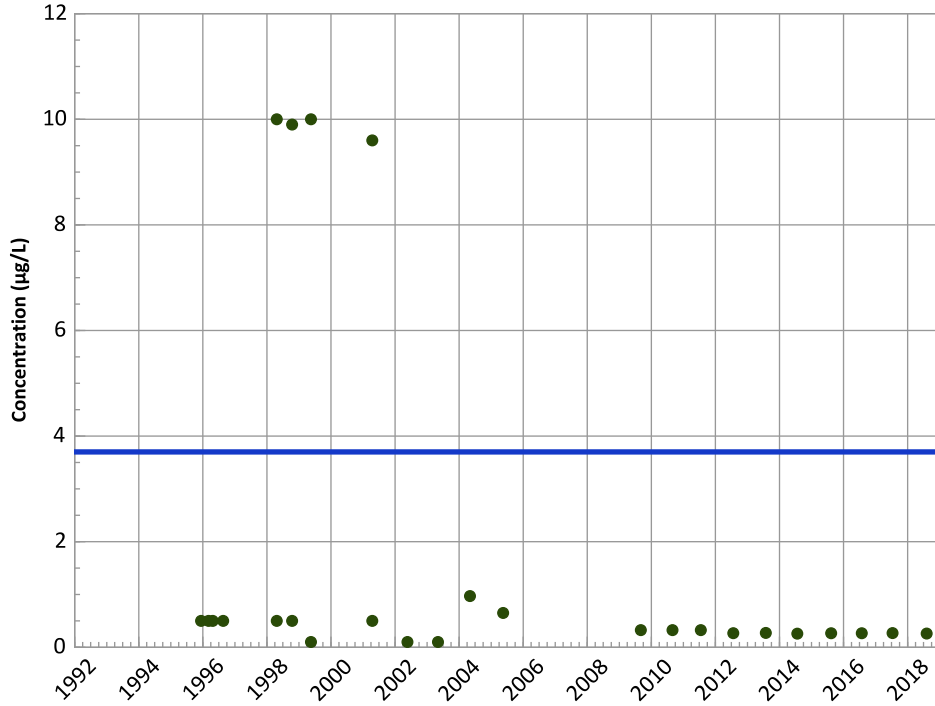
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

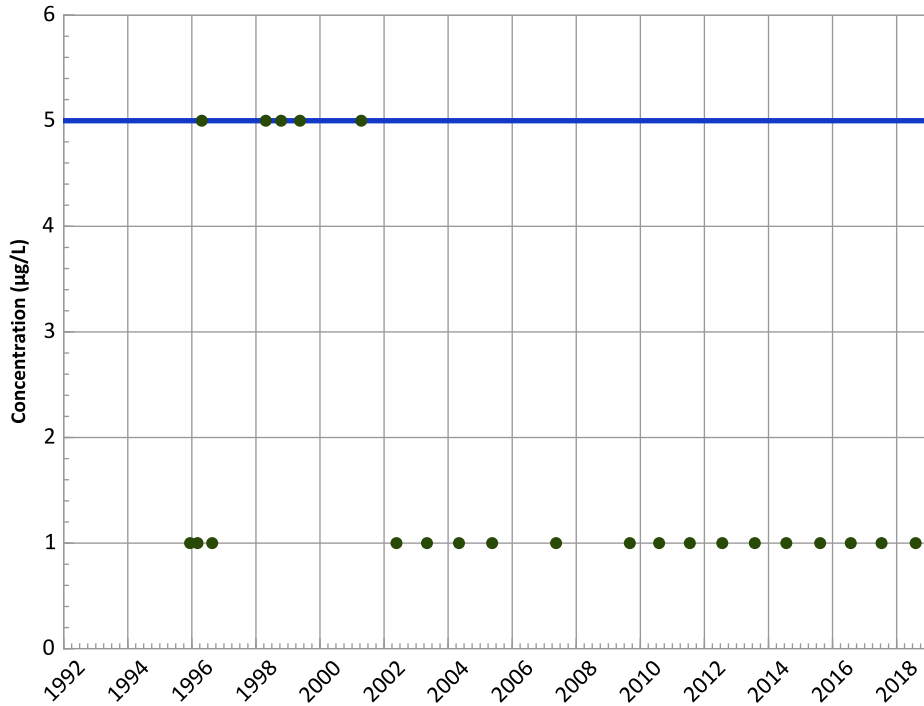
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

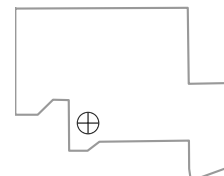
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

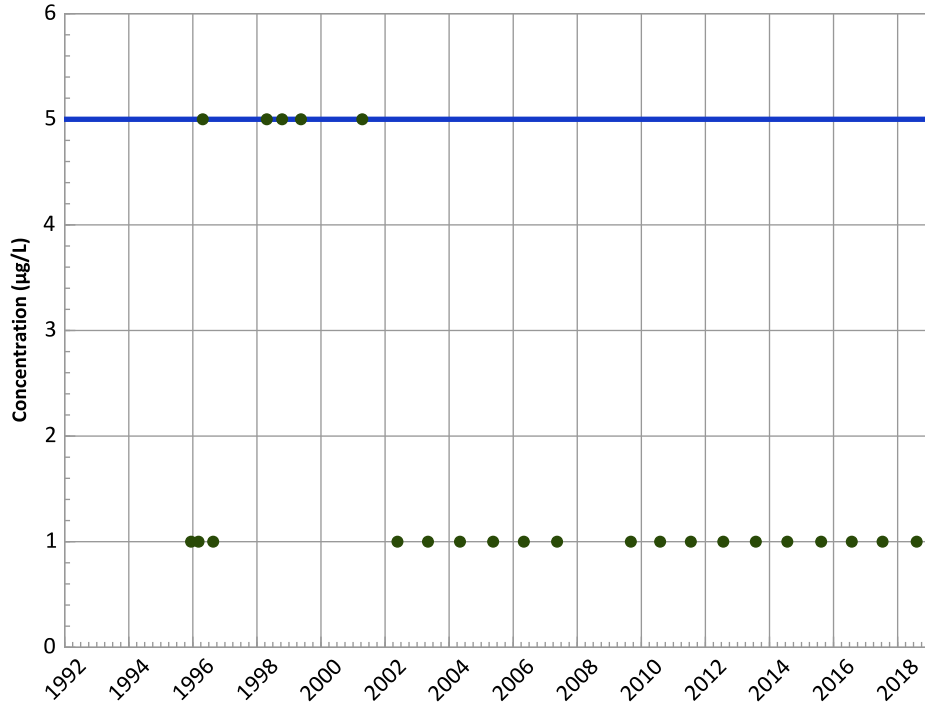
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

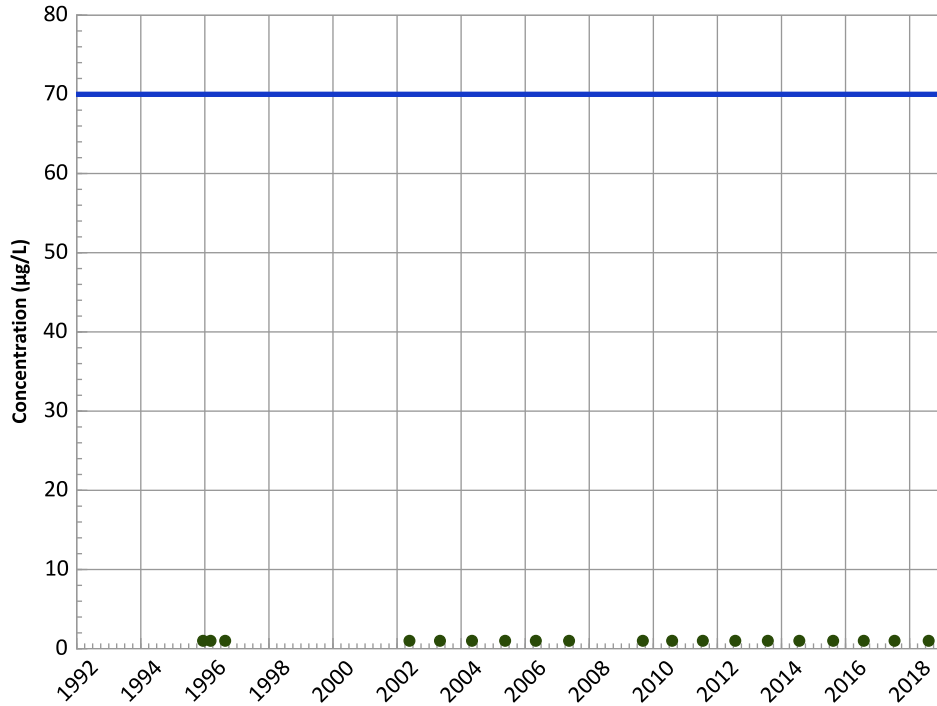
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

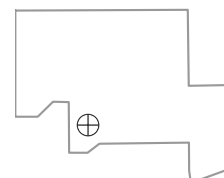
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

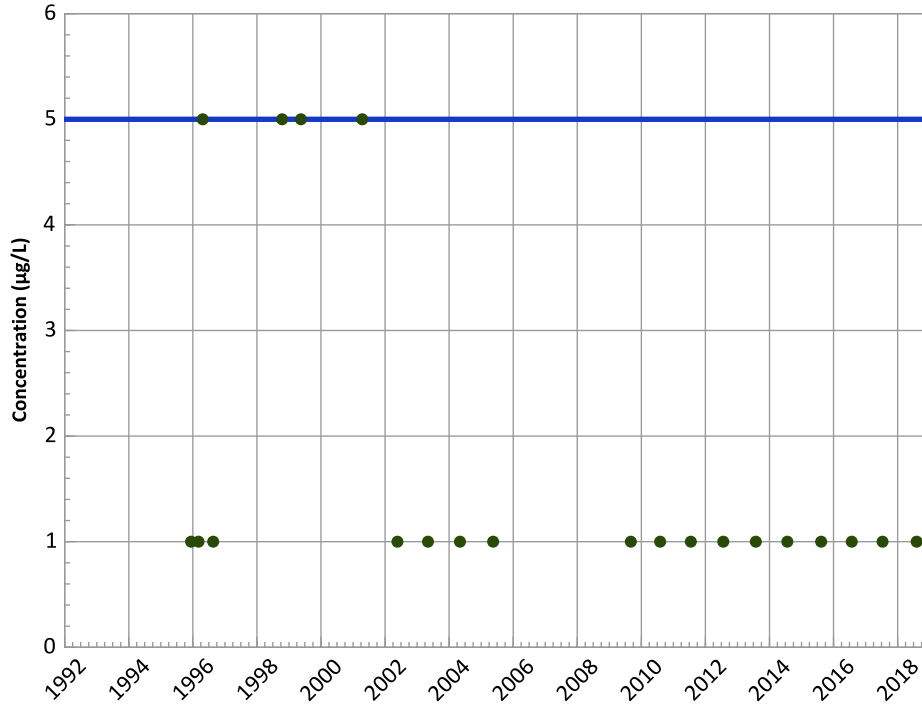
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

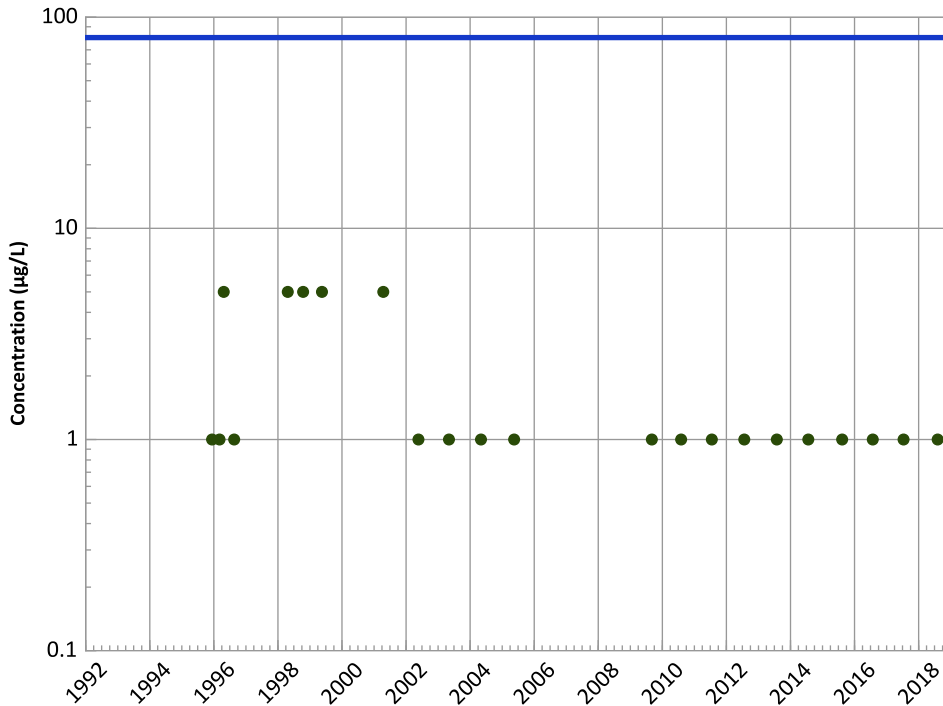
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

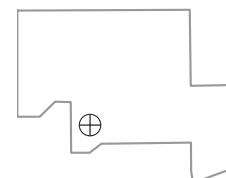
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

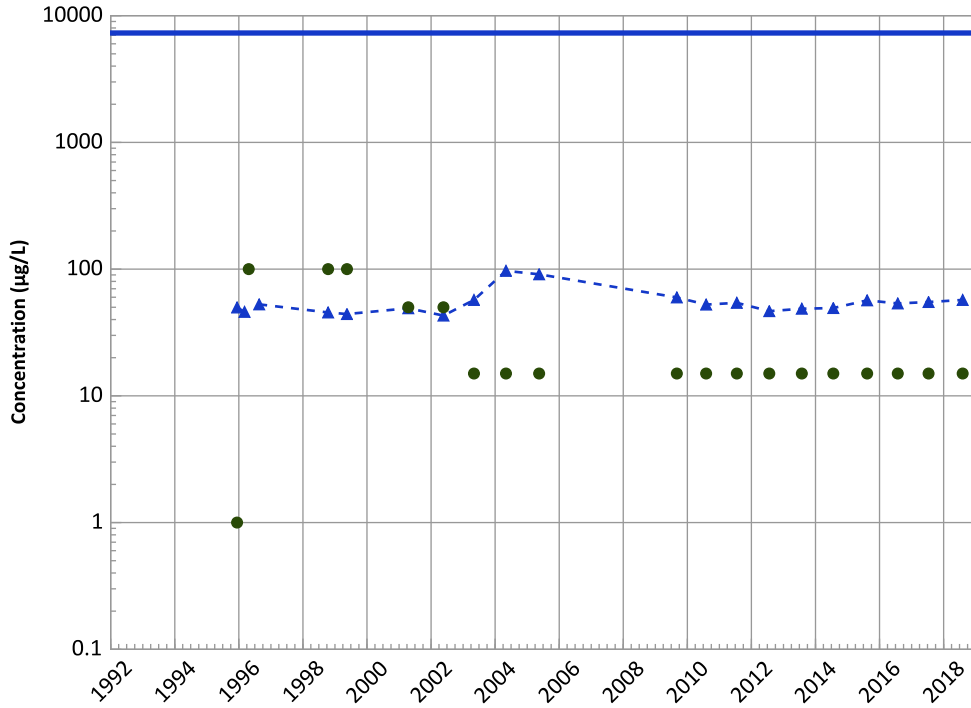


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1Q03 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

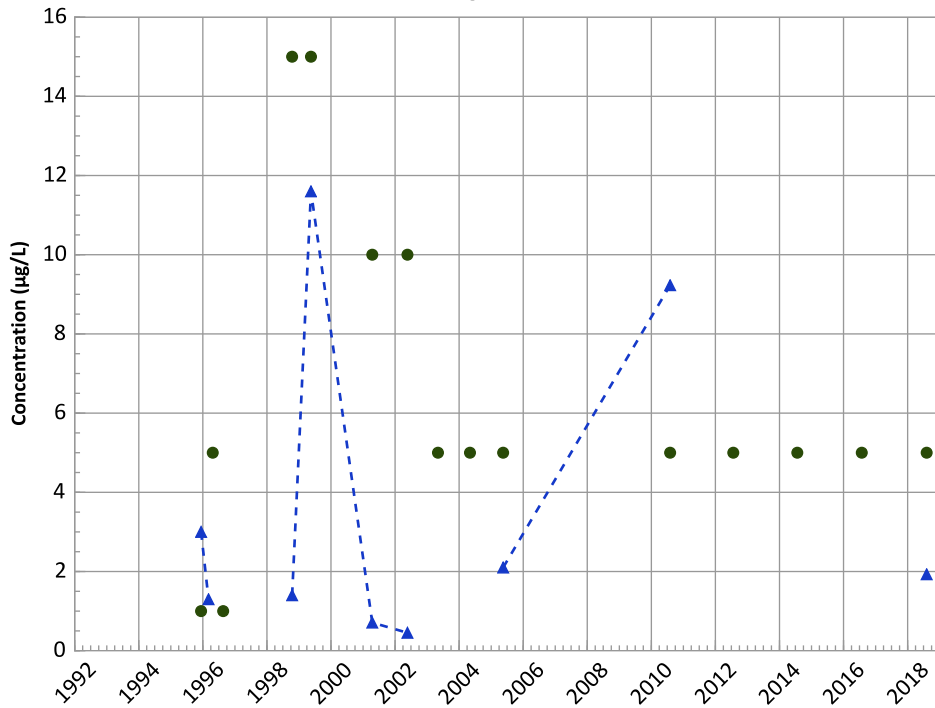
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese 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)

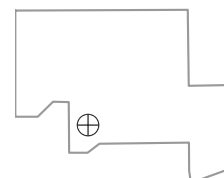
All Data:

No Trend

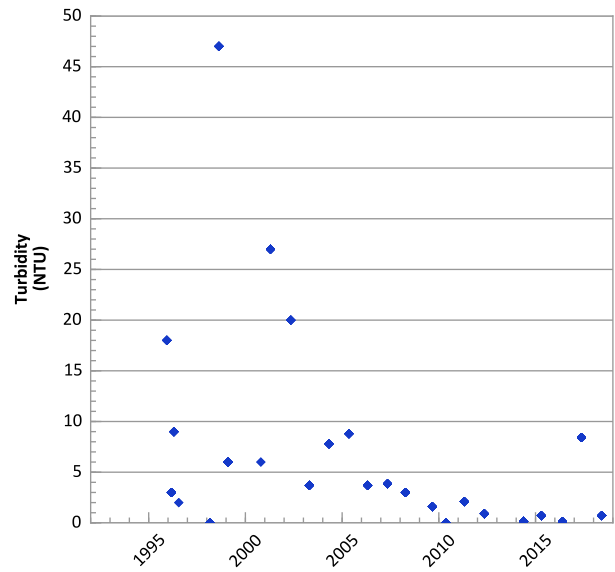
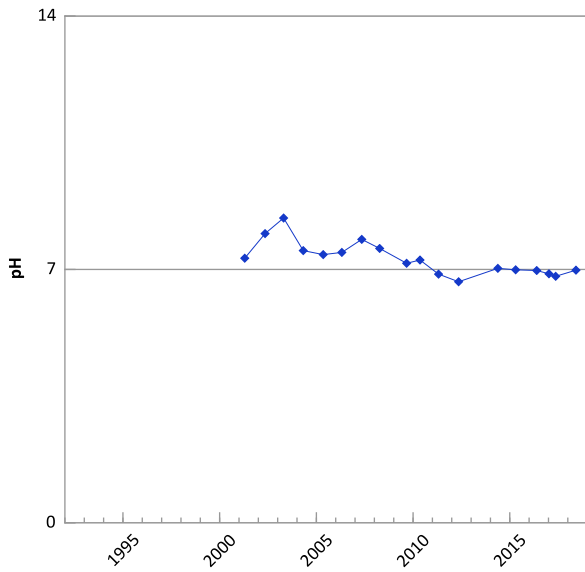
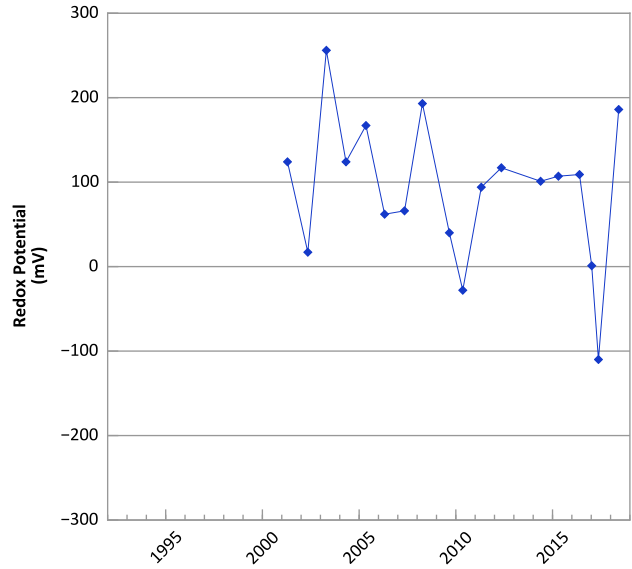
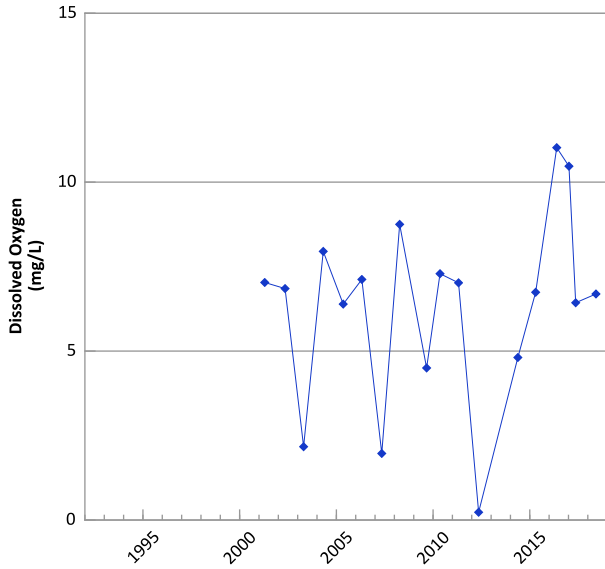
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/12/1995 to 08/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

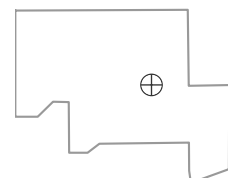


**PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



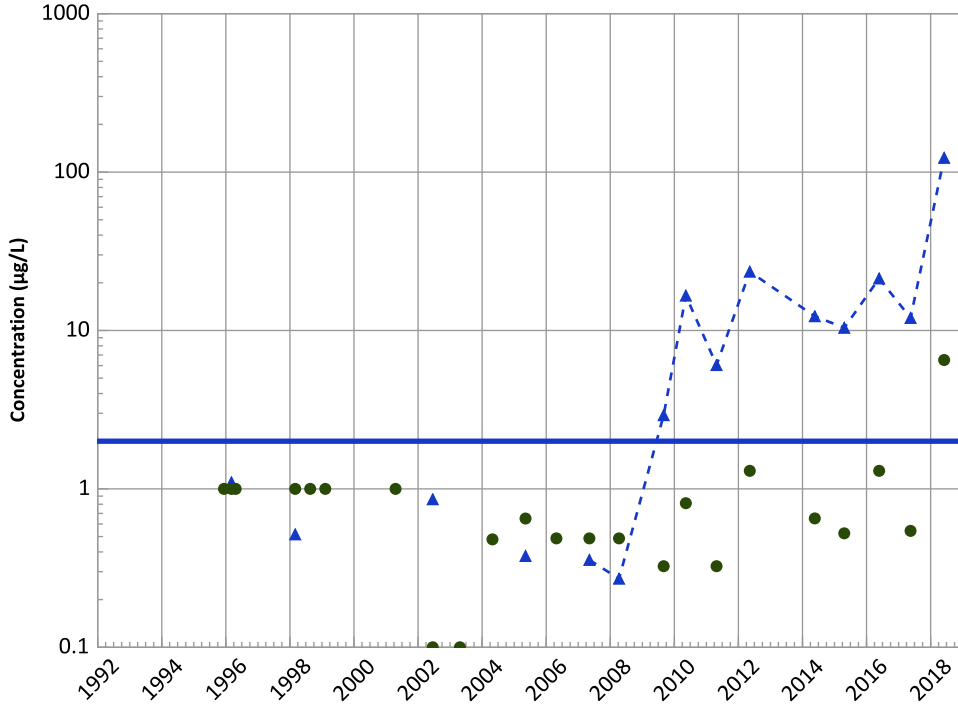
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/11/1995 to 06/04/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

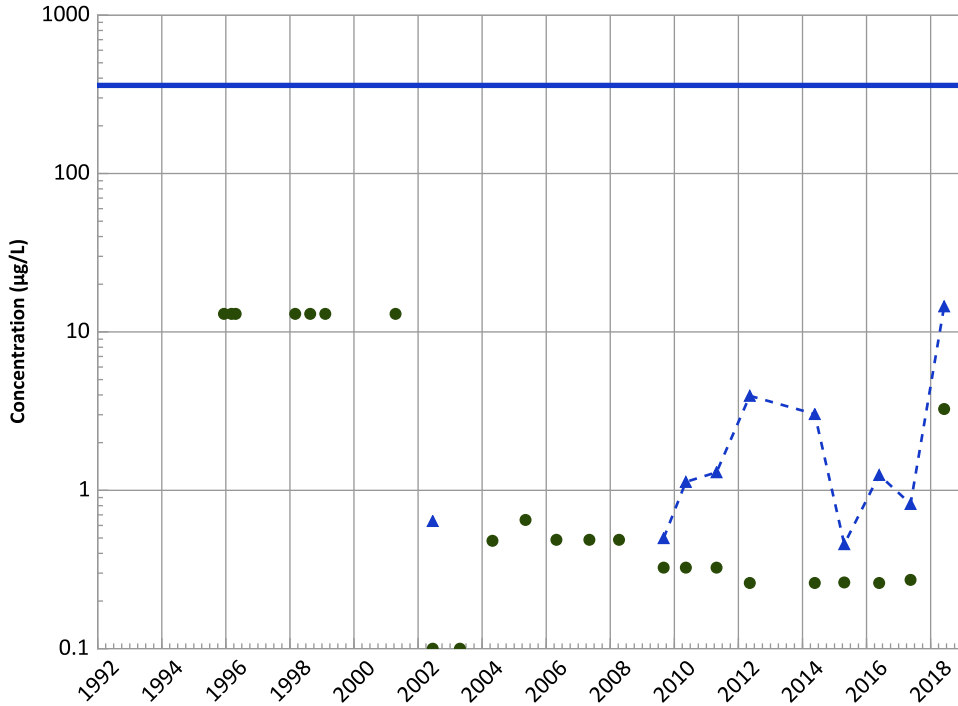
Data (2017 - 2021):

Stable

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

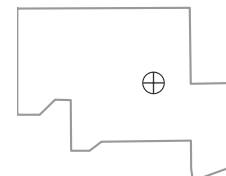
All Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

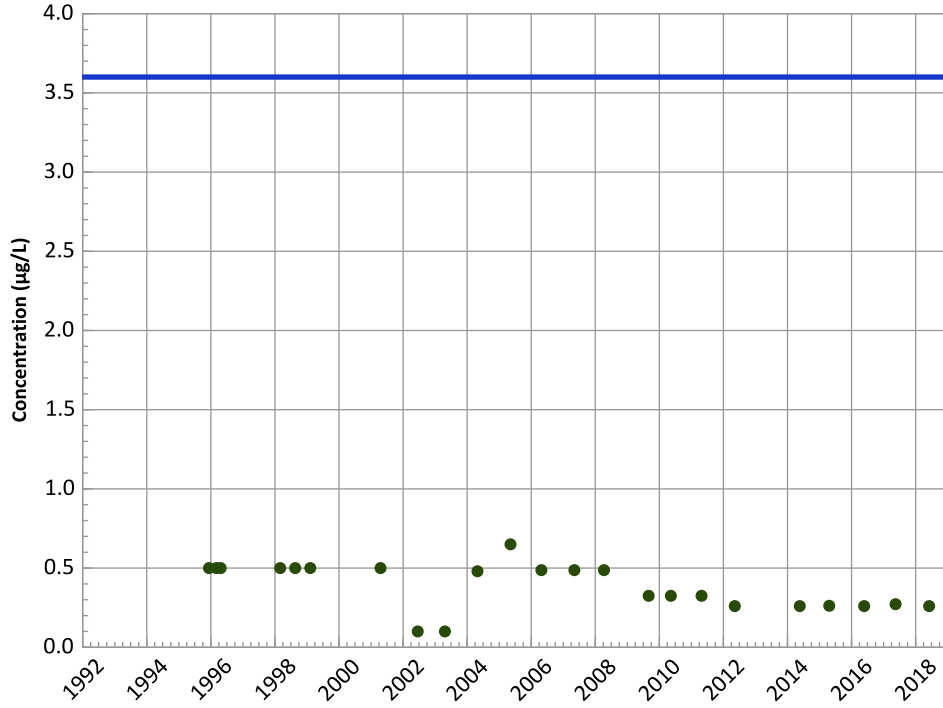
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

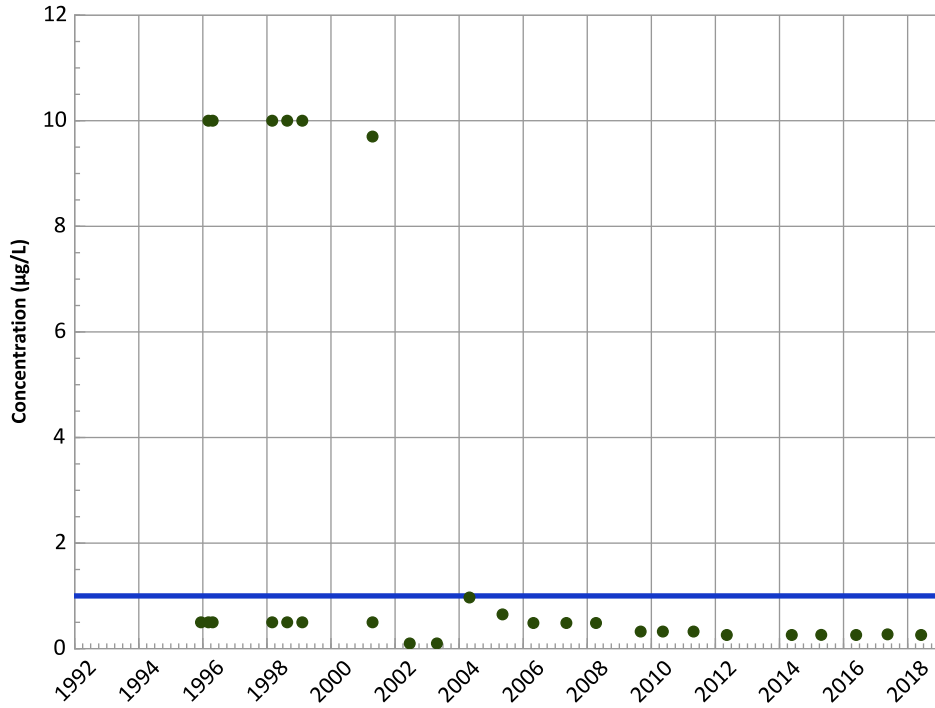
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

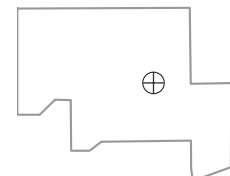
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

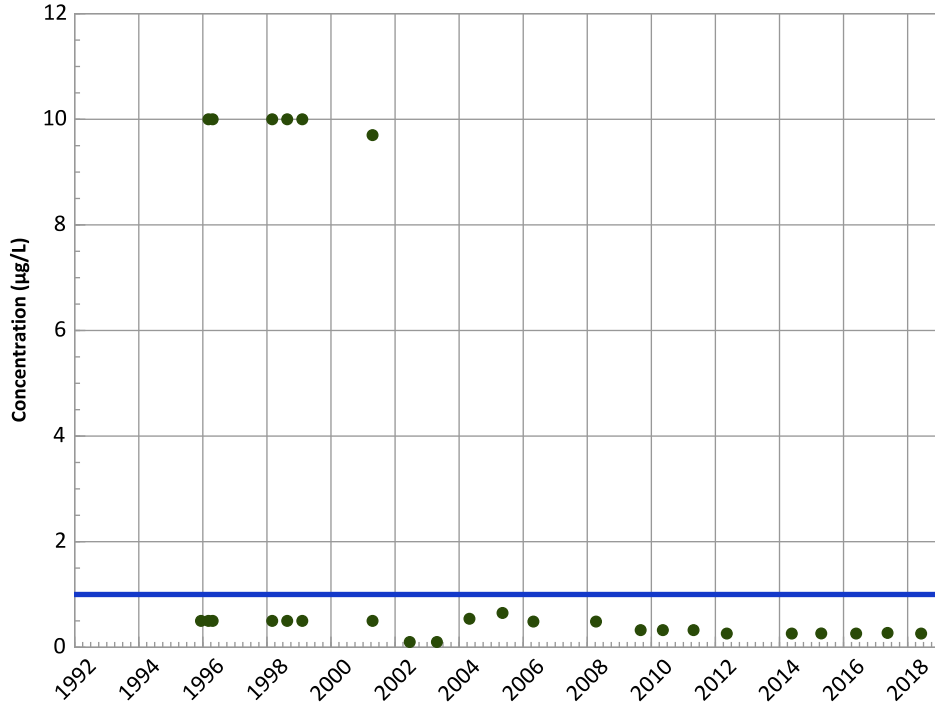
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

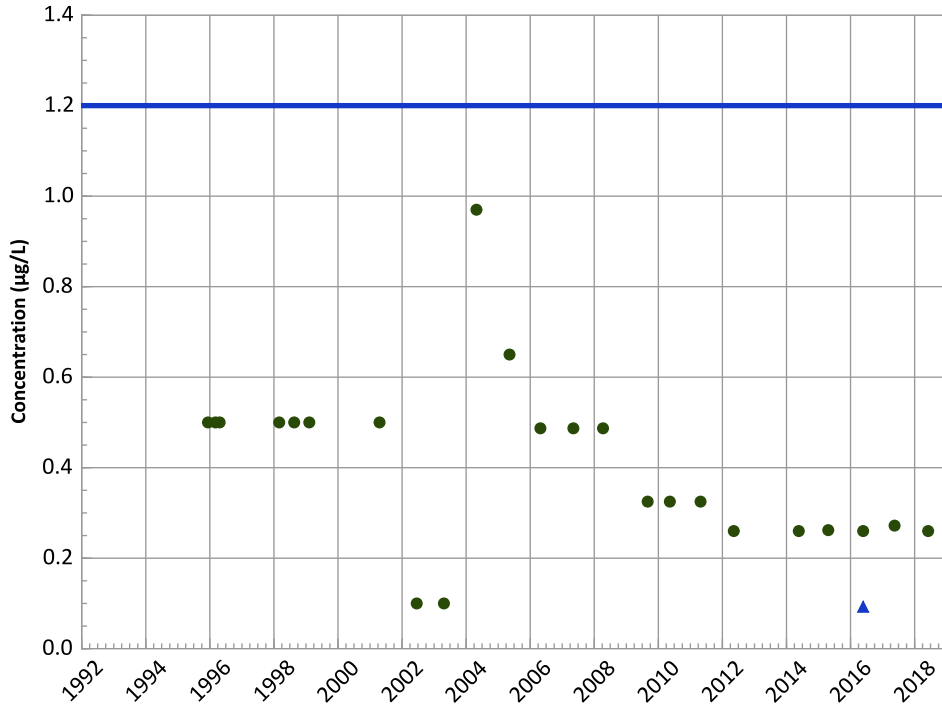
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

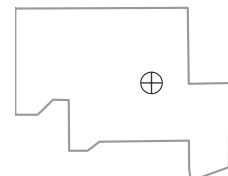
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

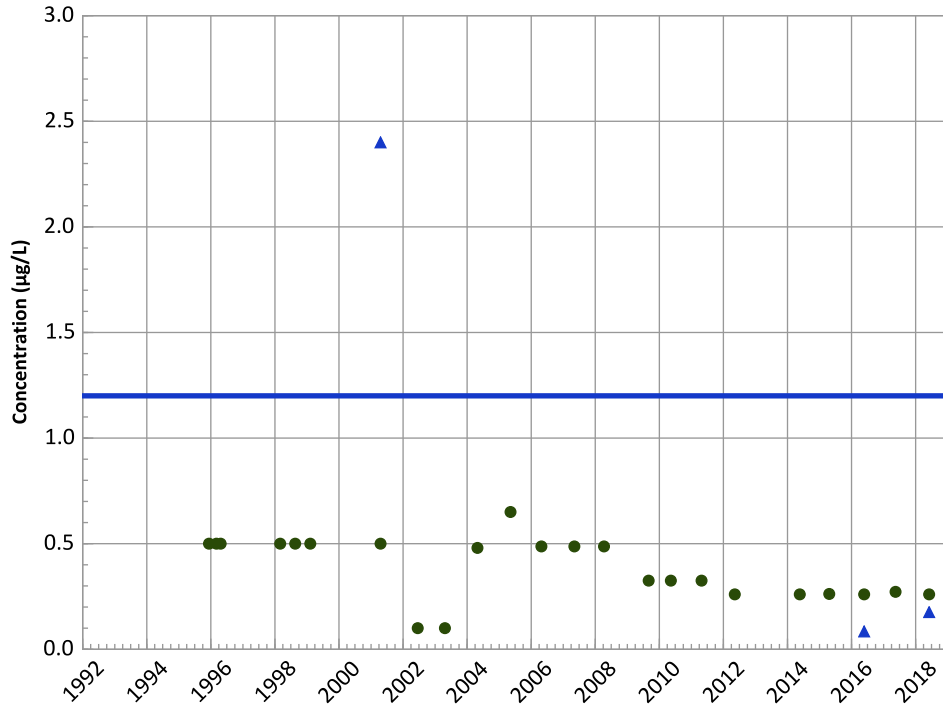
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

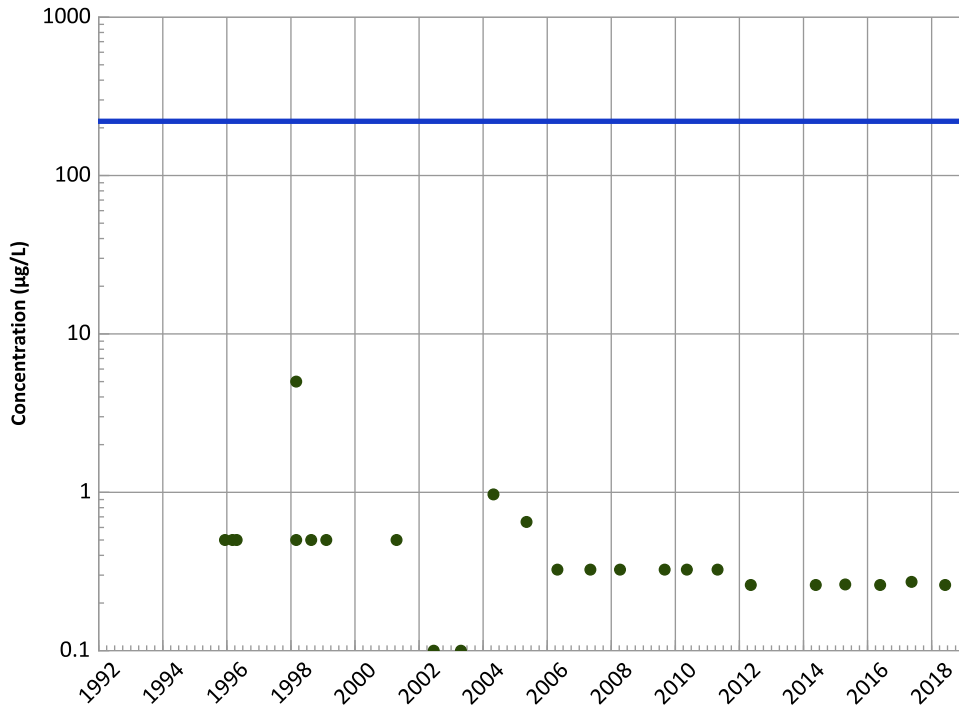


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

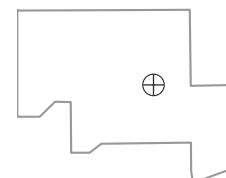
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

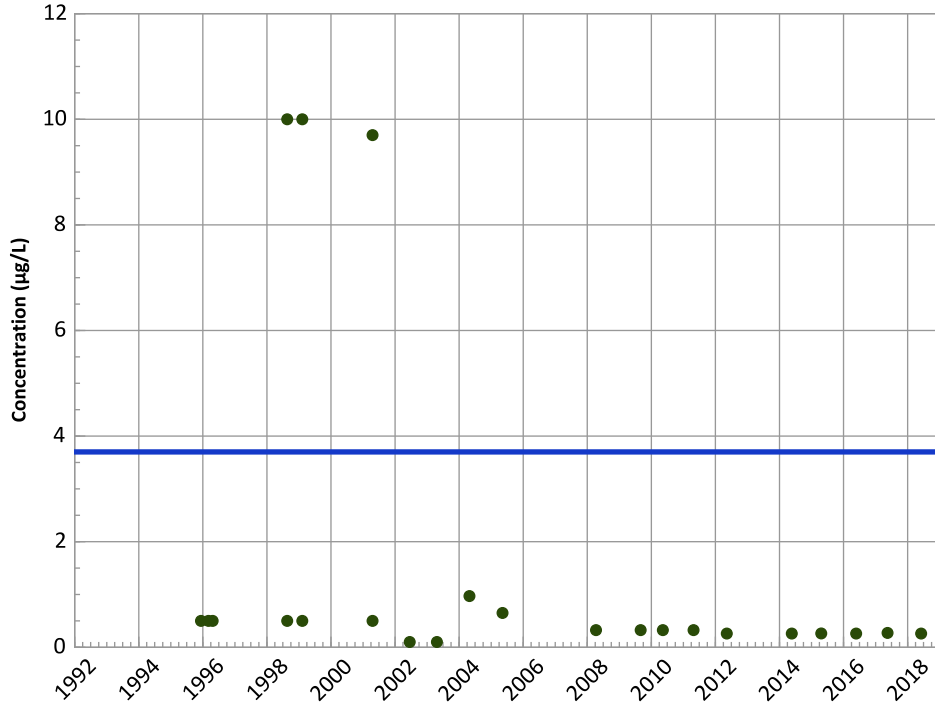
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

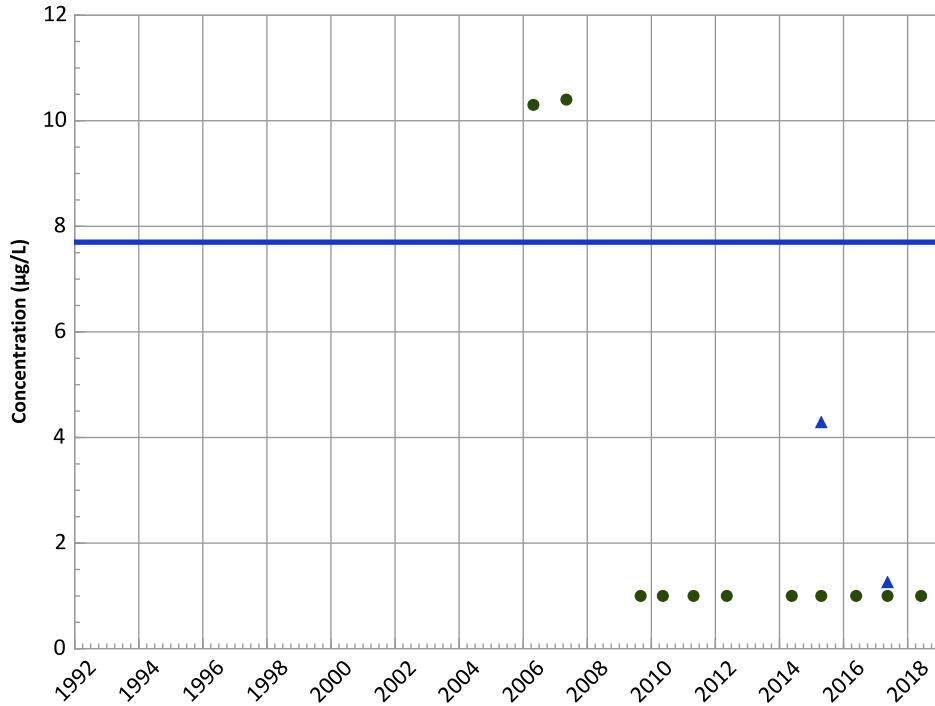
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

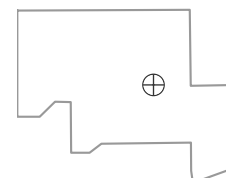
All Data:

N/A (<4 Detections in Dataset)

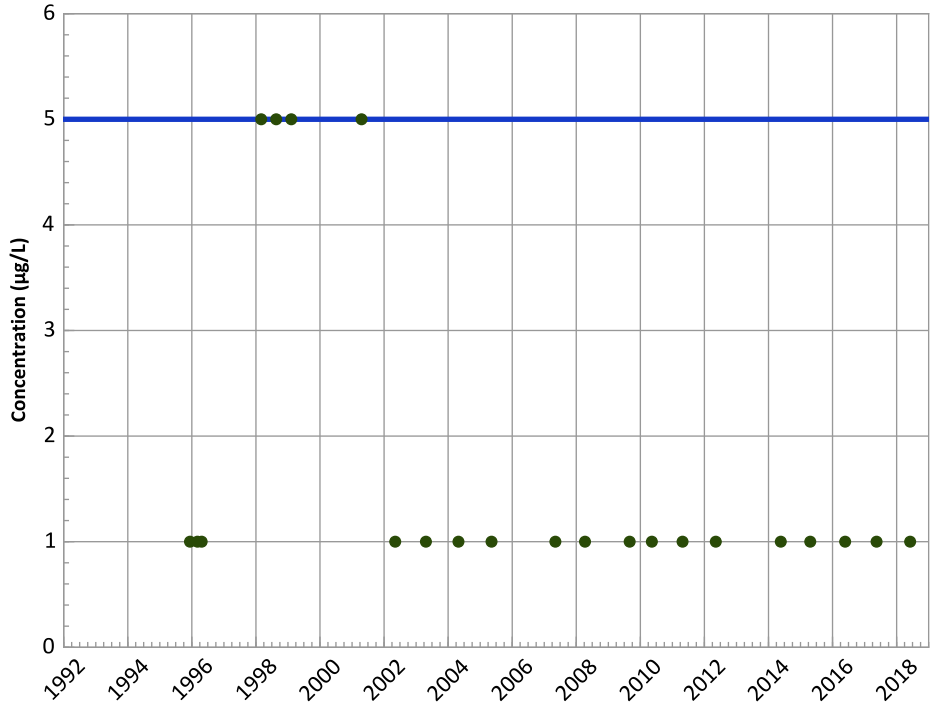
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

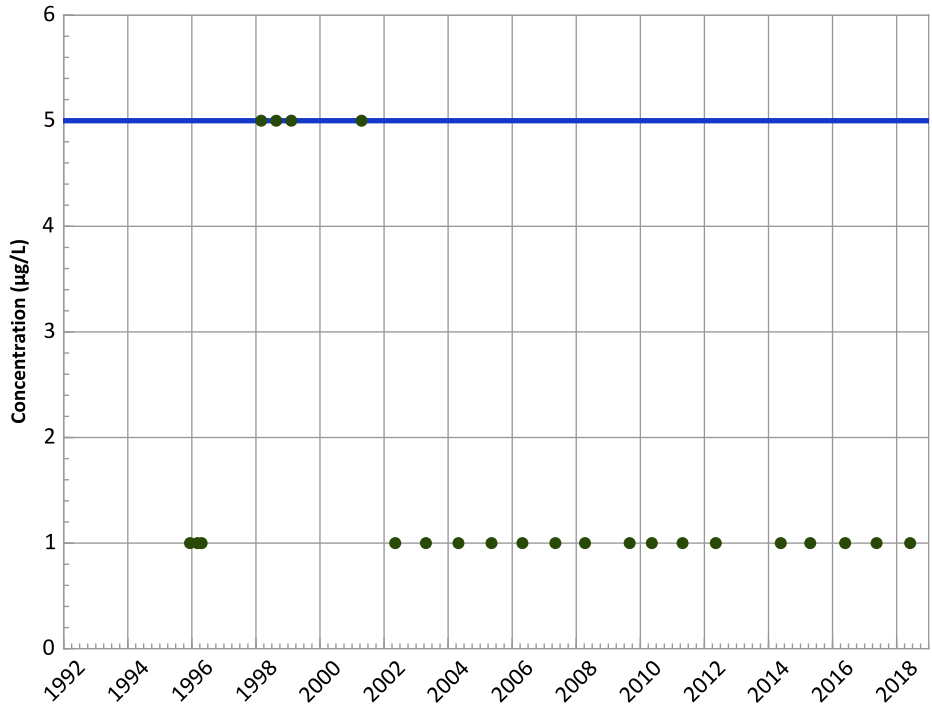
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

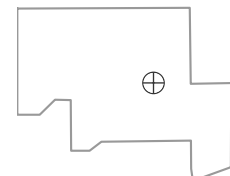
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

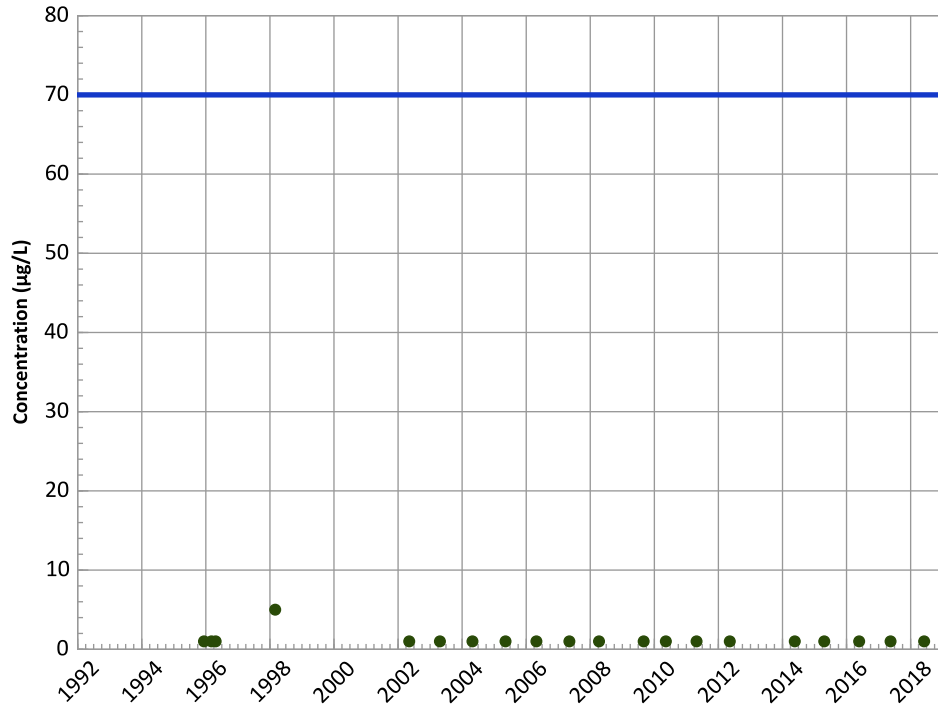
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

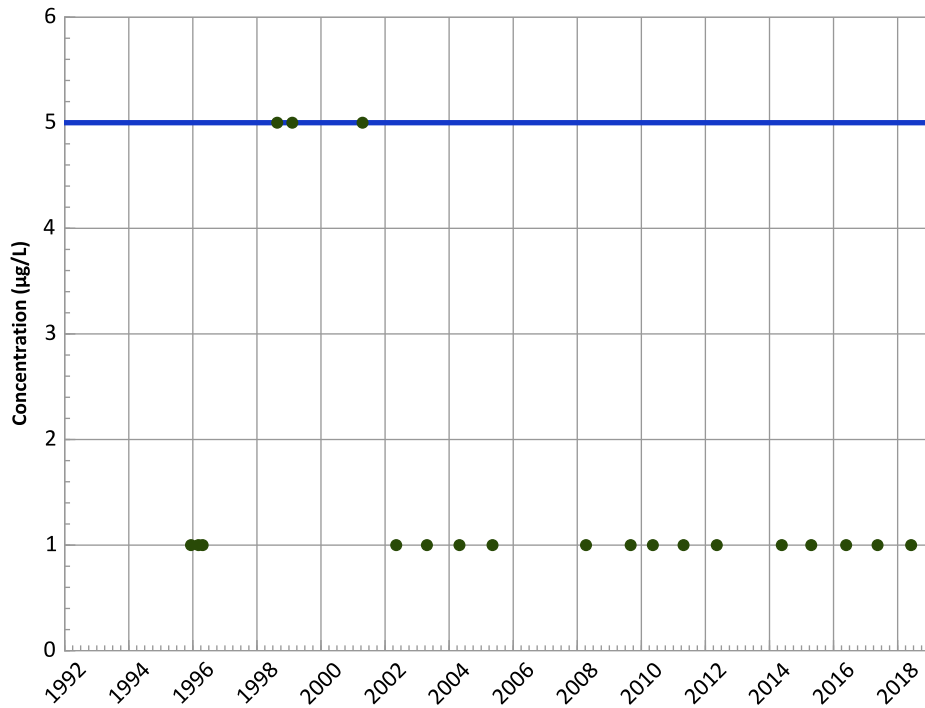
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

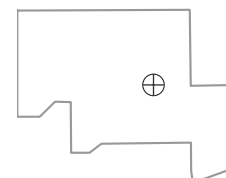
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

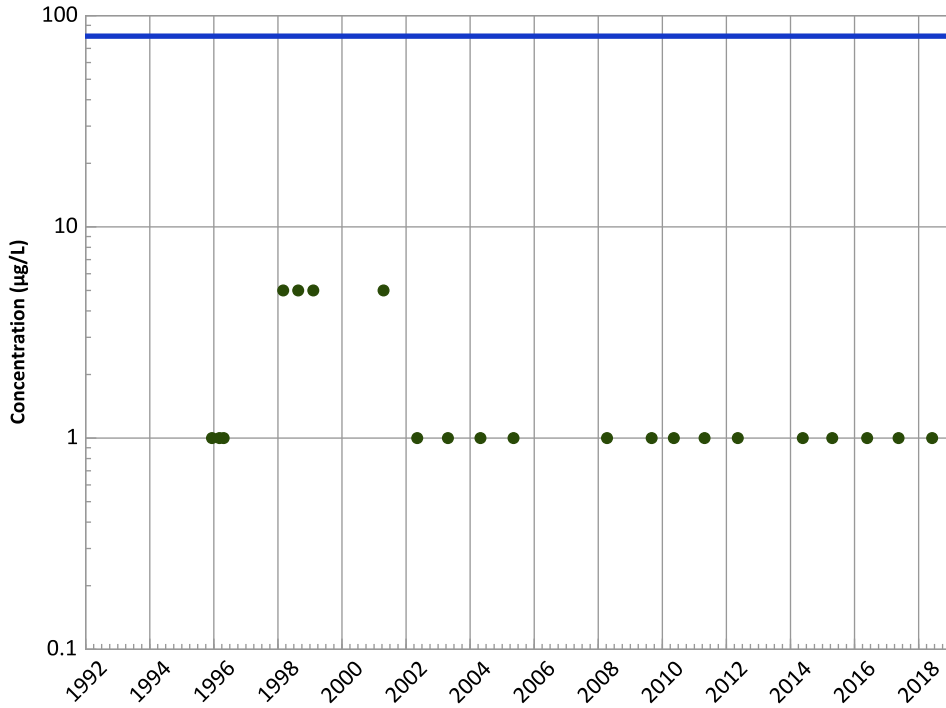
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend

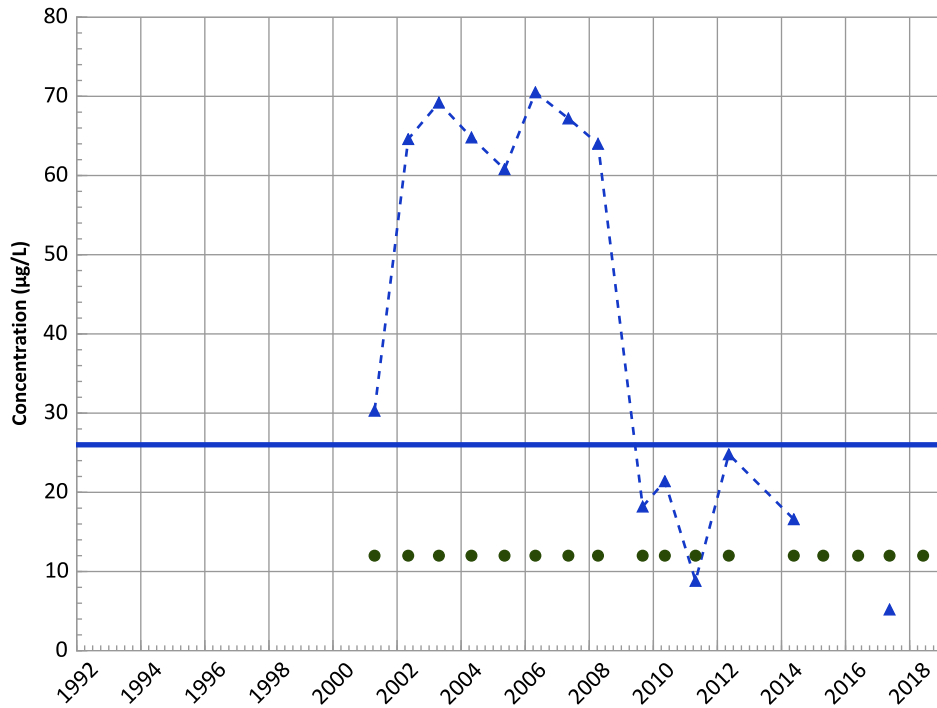


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

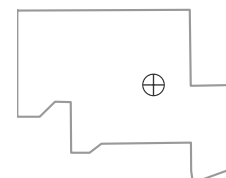


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

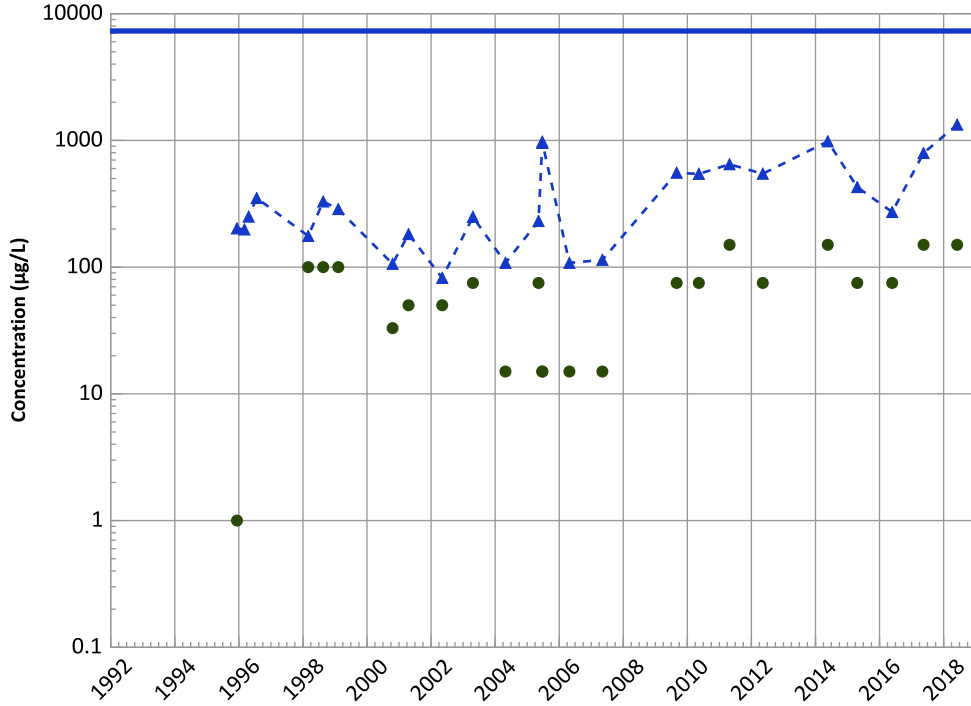


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1001 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

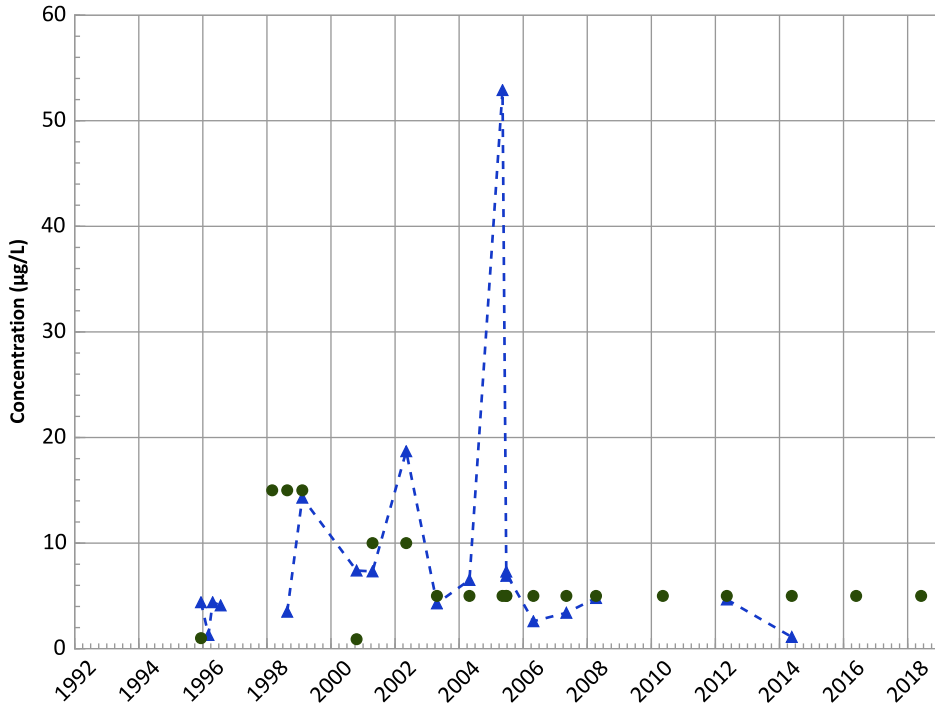
Data (2017 - 2021):

Stable

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

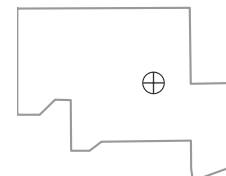
All Data:

No Trend

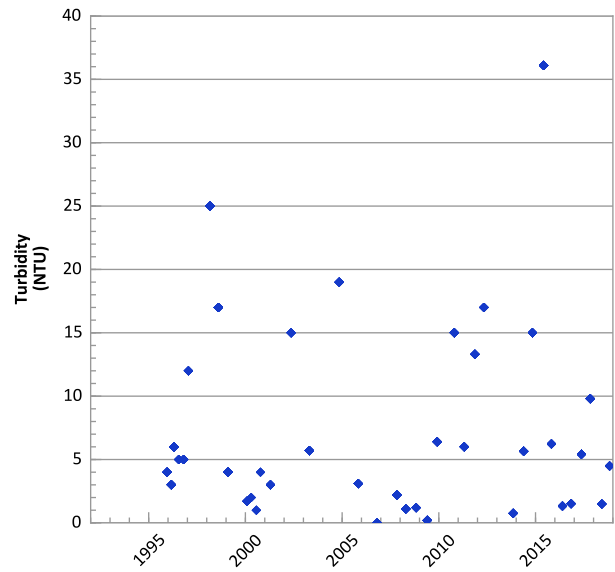
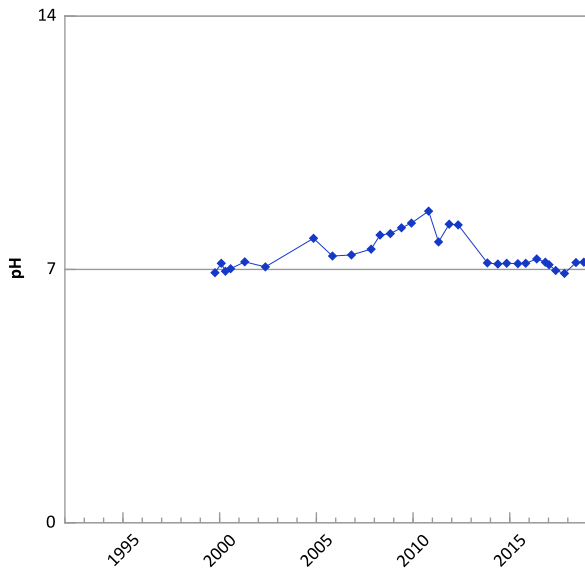
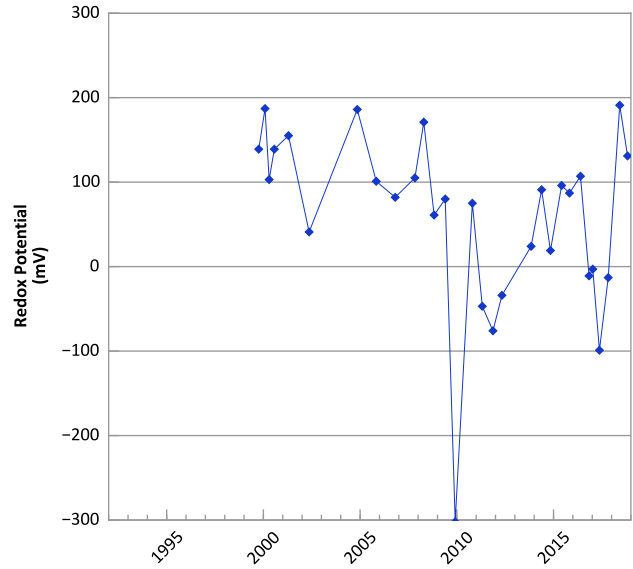
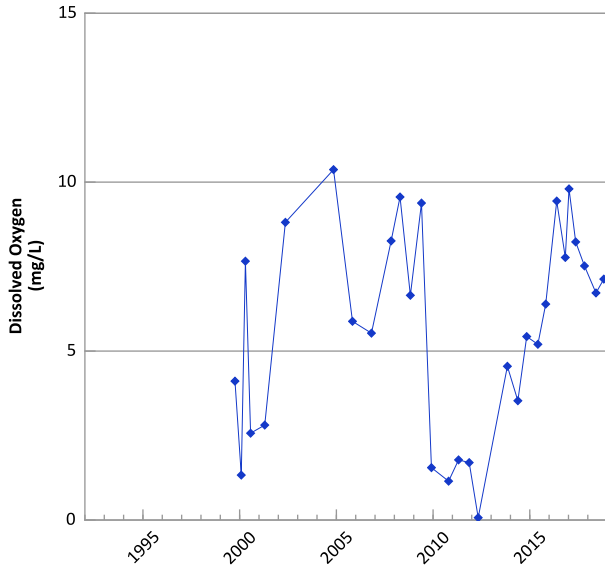
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/11/1995 to 06/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

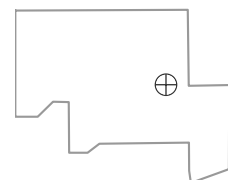


**PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



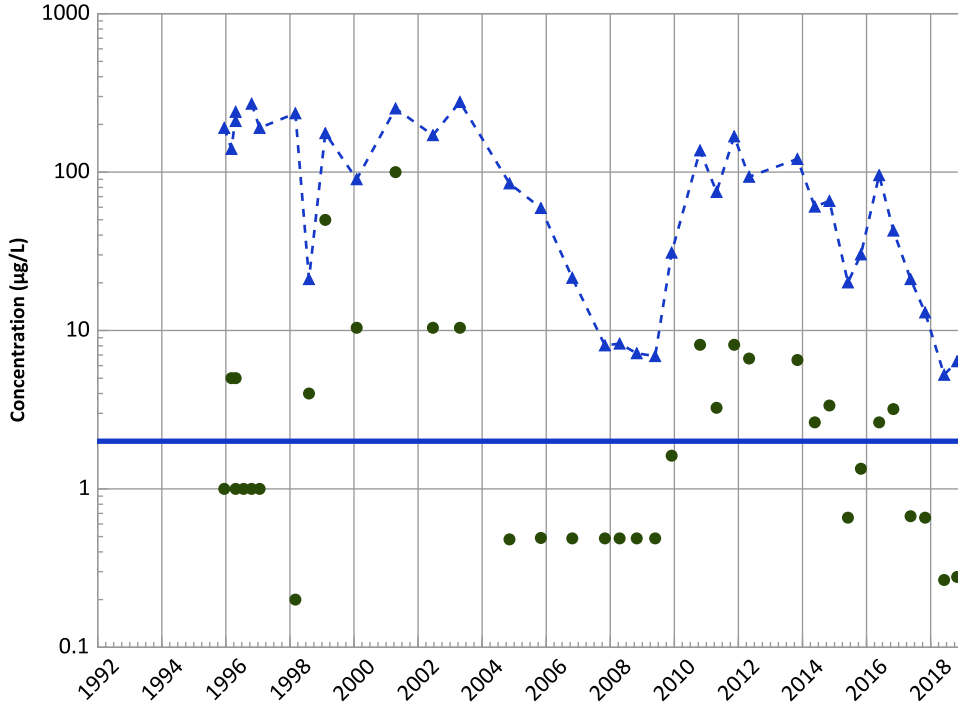
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/14/1995 to 10/30/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

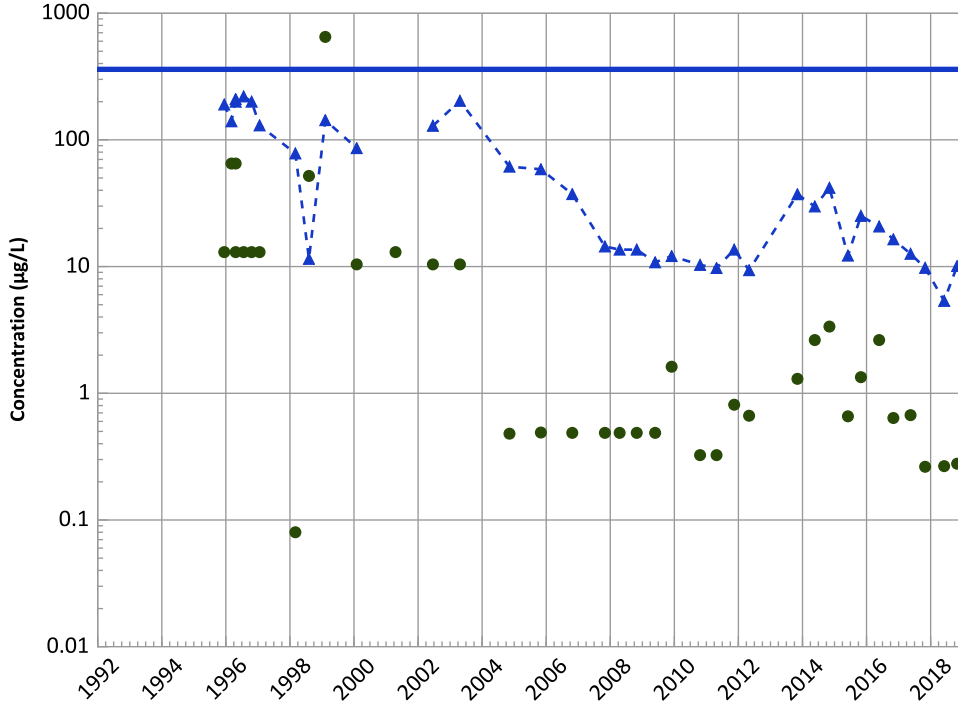
Data (2017 - 2021):

Stable

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

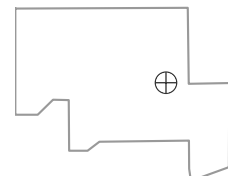
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

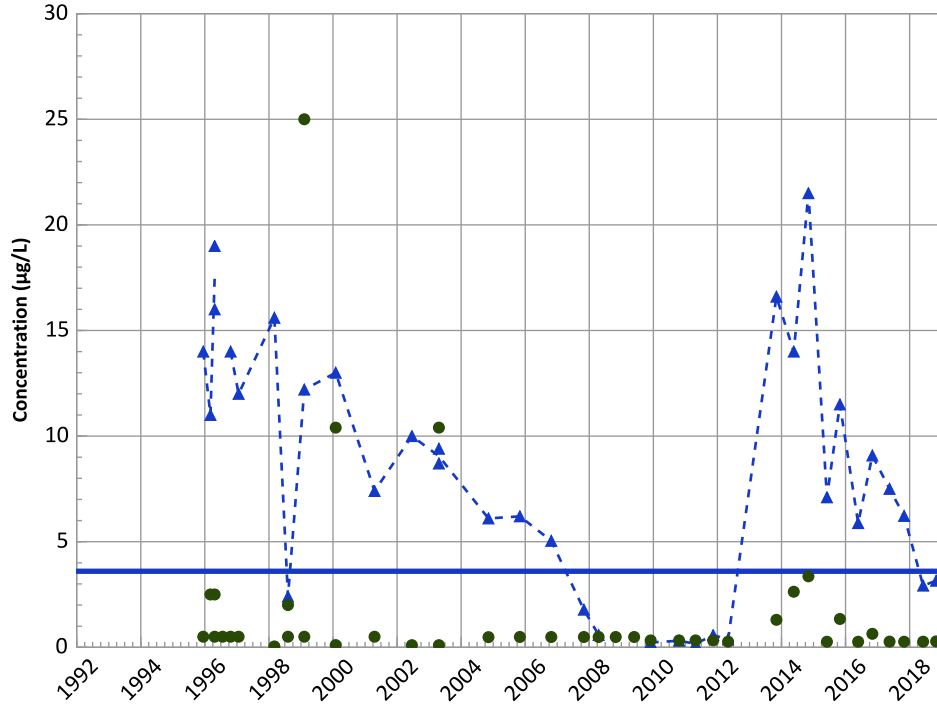
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

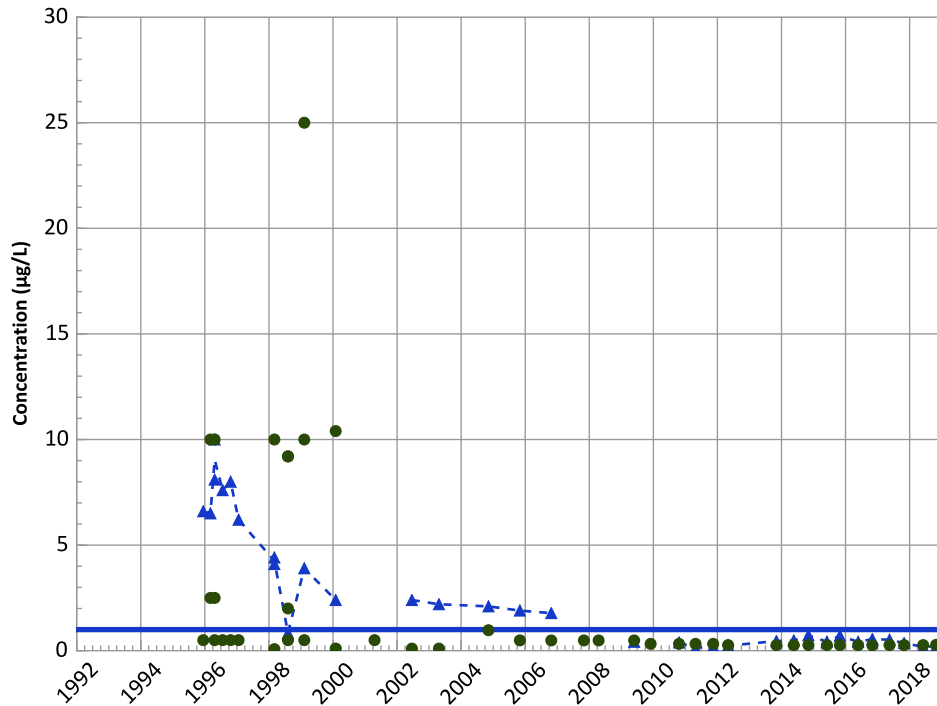
Data (2017 - 2021):

Probably Increasing

All Data:

Probably Decreasing

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

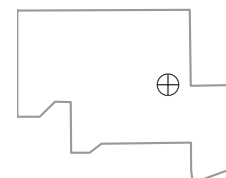
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

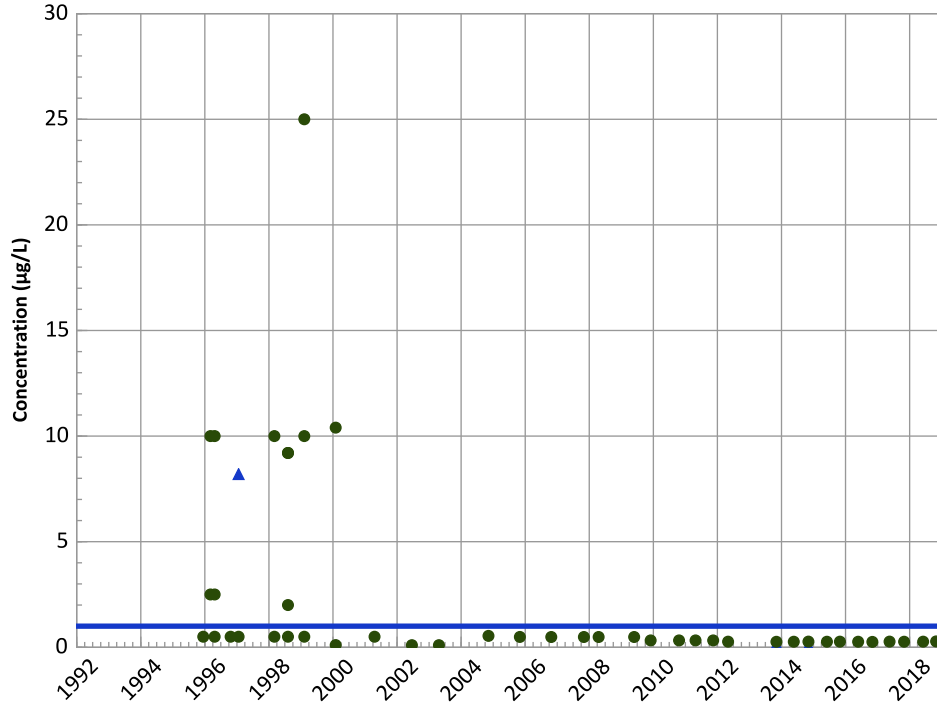
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

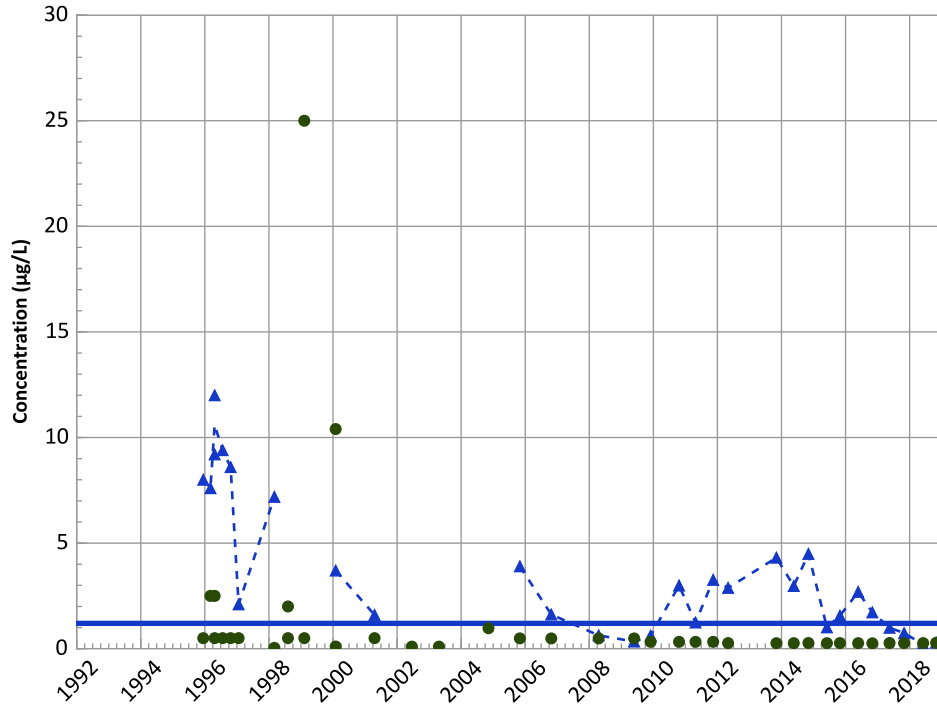


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

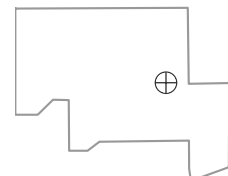
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

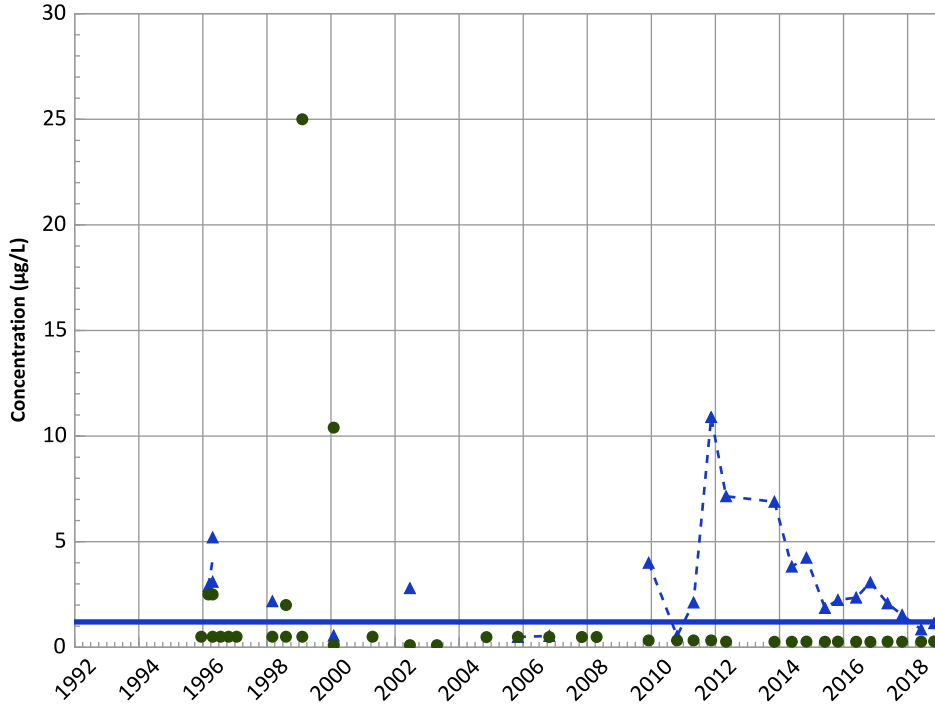
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

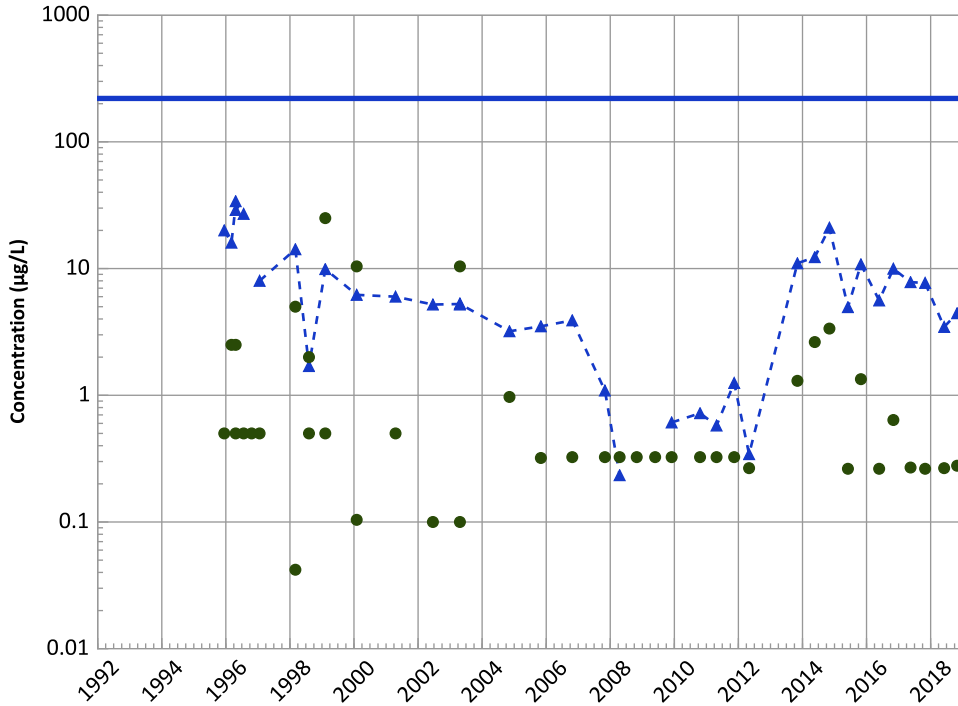
Data (2017 - 2021):

Decreasing

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

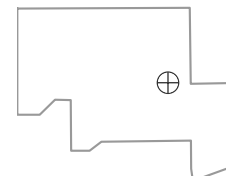
All Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

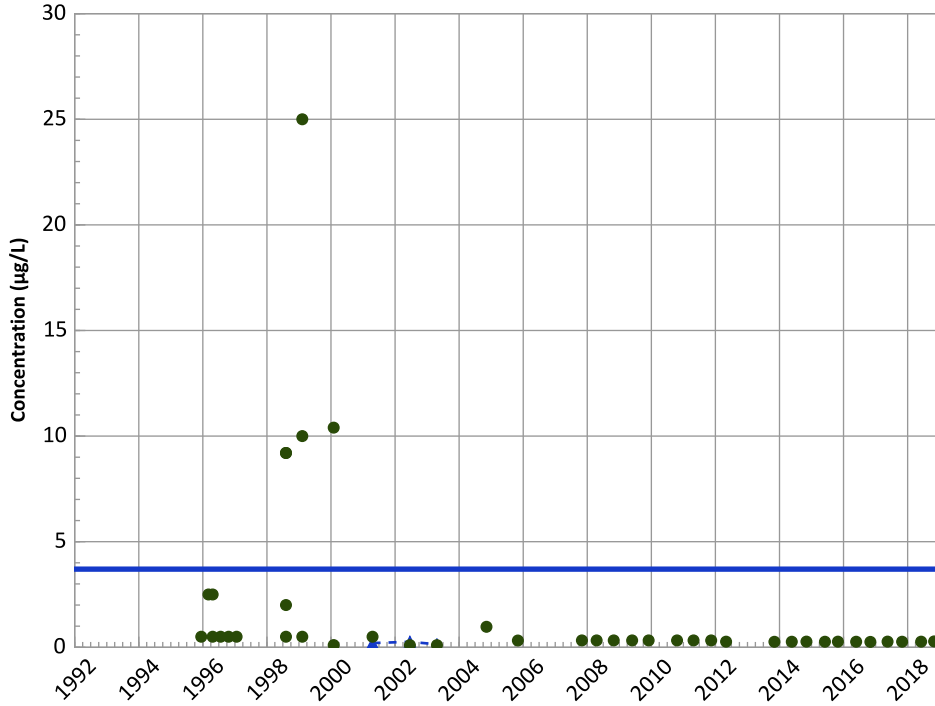
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

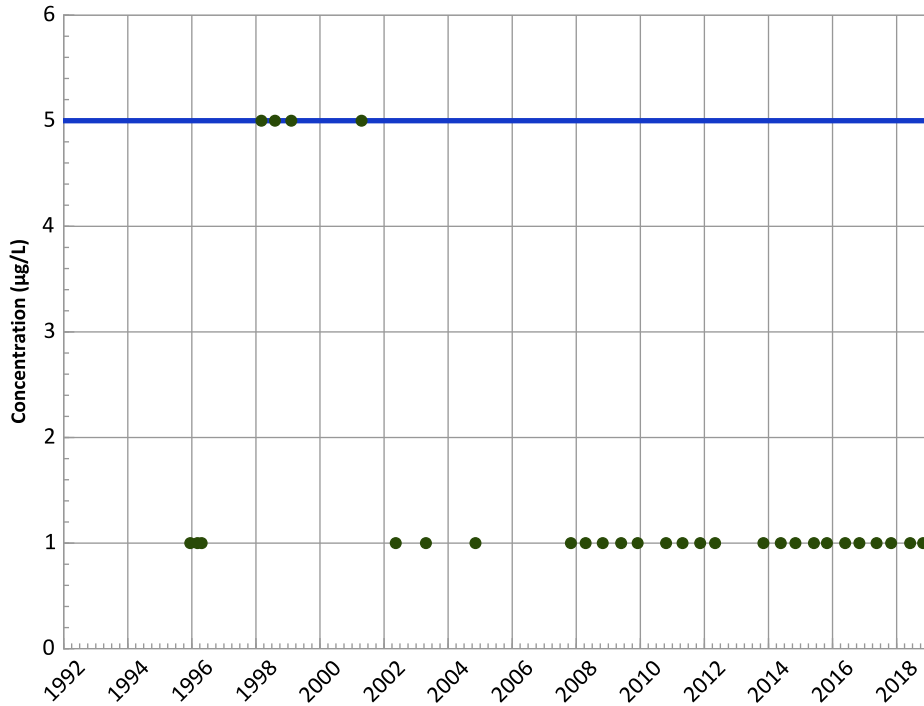


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

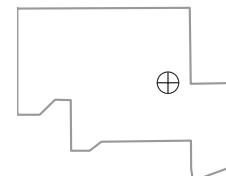
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

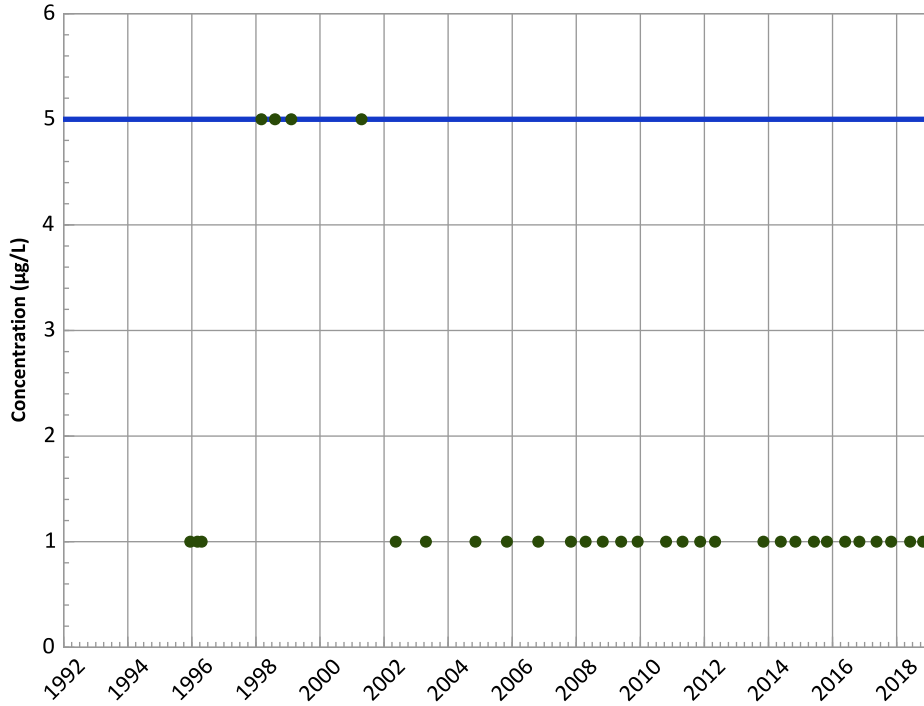
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

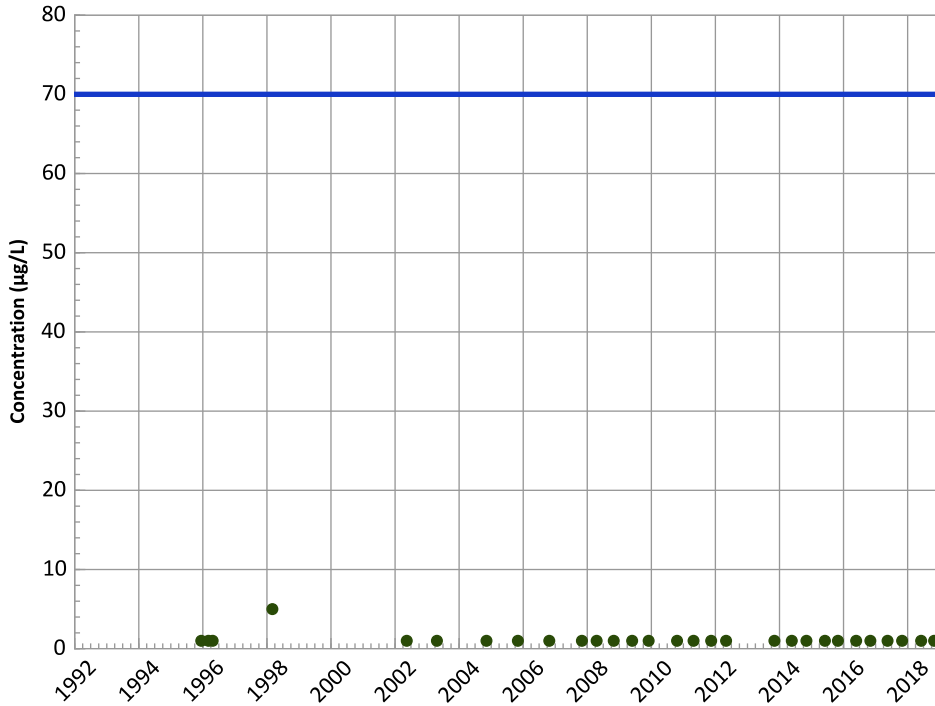
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

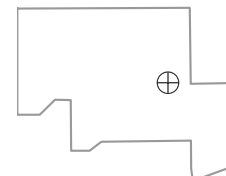
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

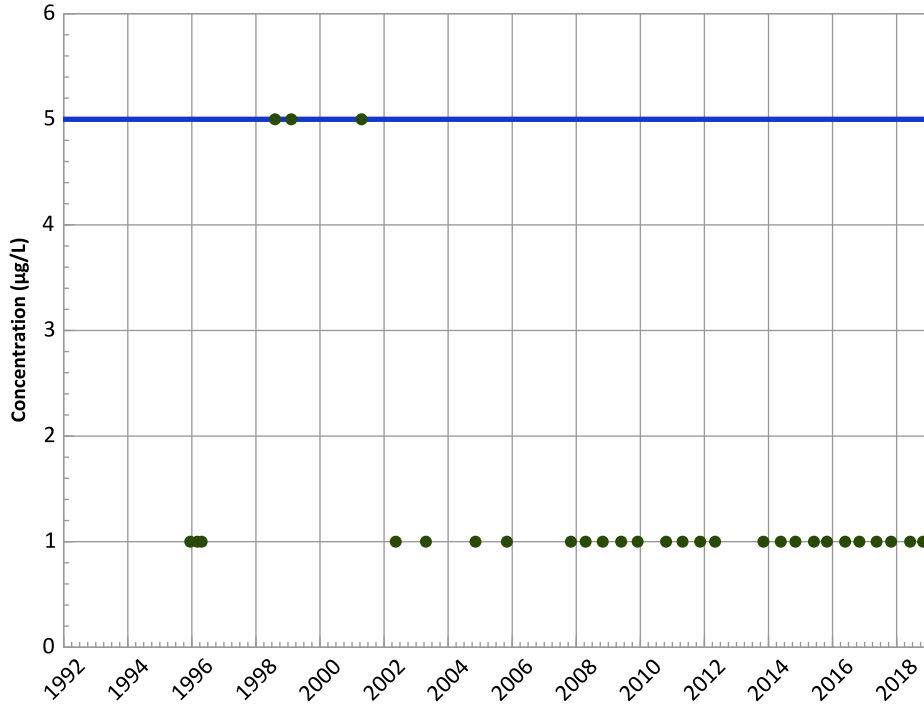
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

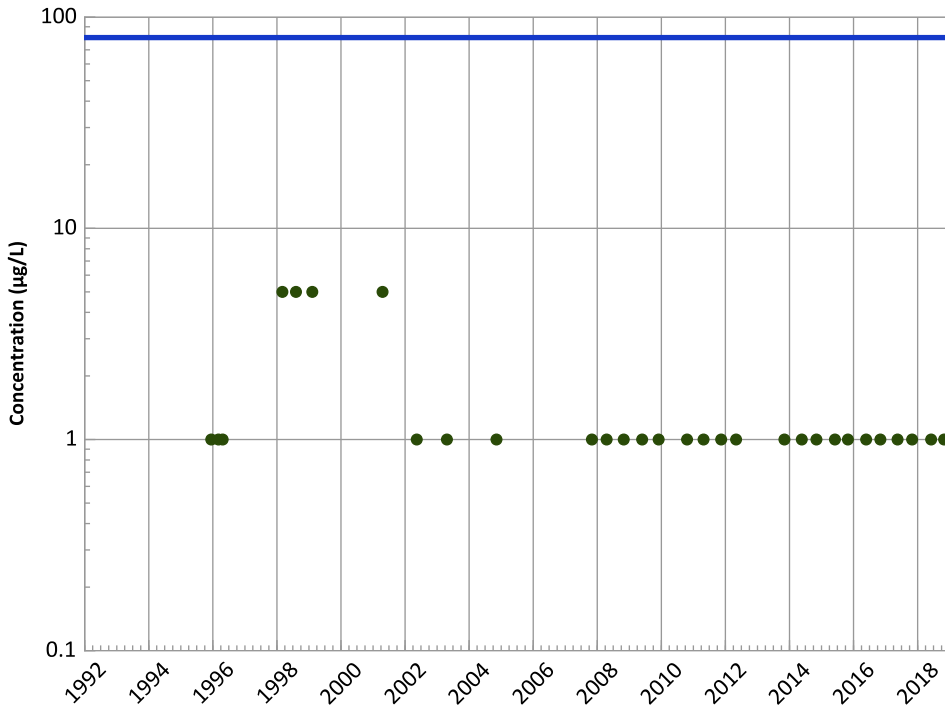
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

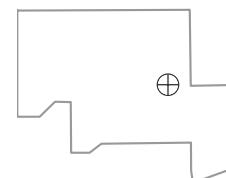
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

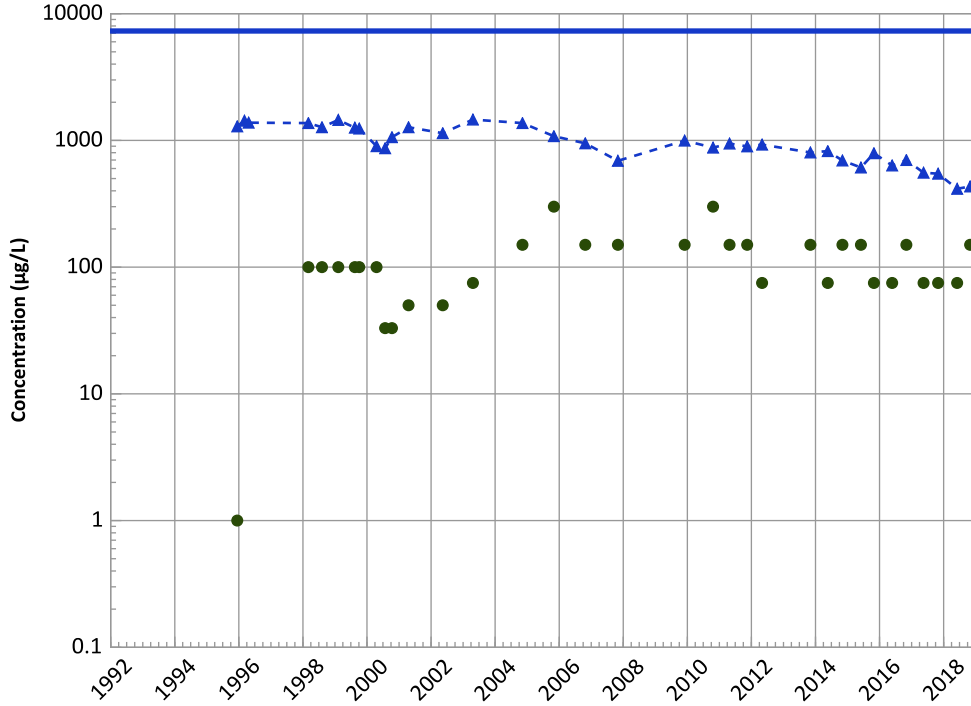


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

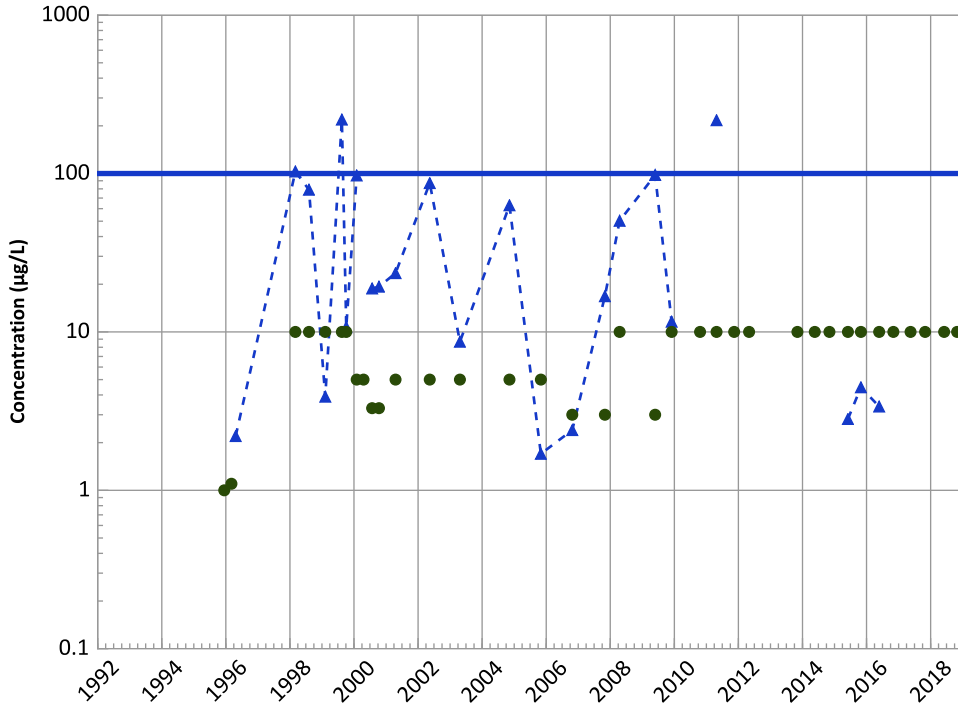
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

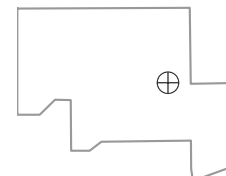
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

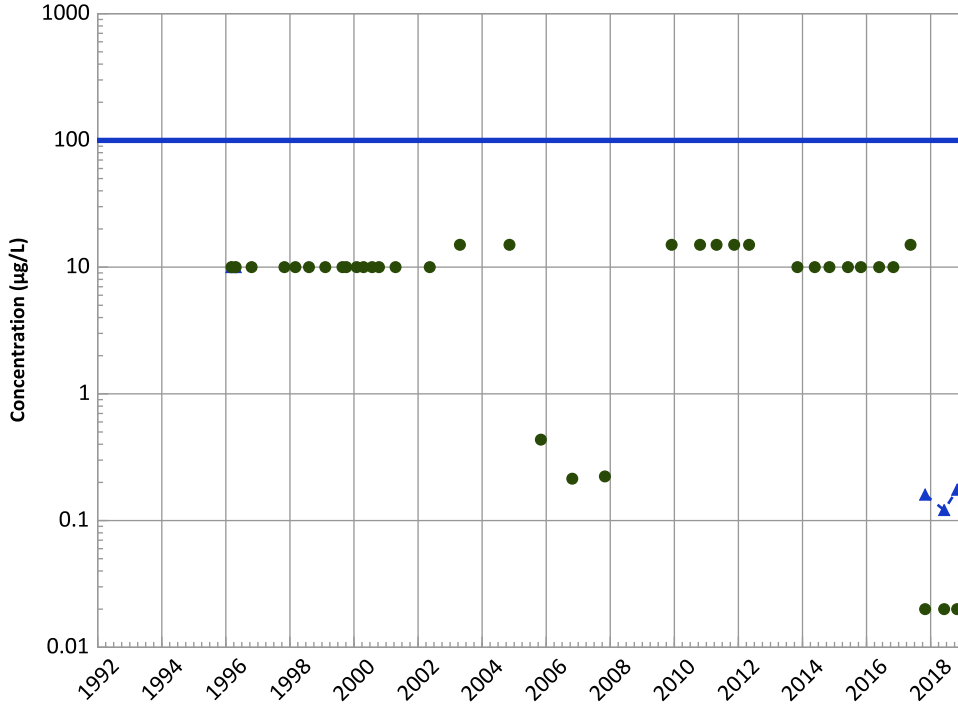
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1002 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

MAROS Linear Regression Method

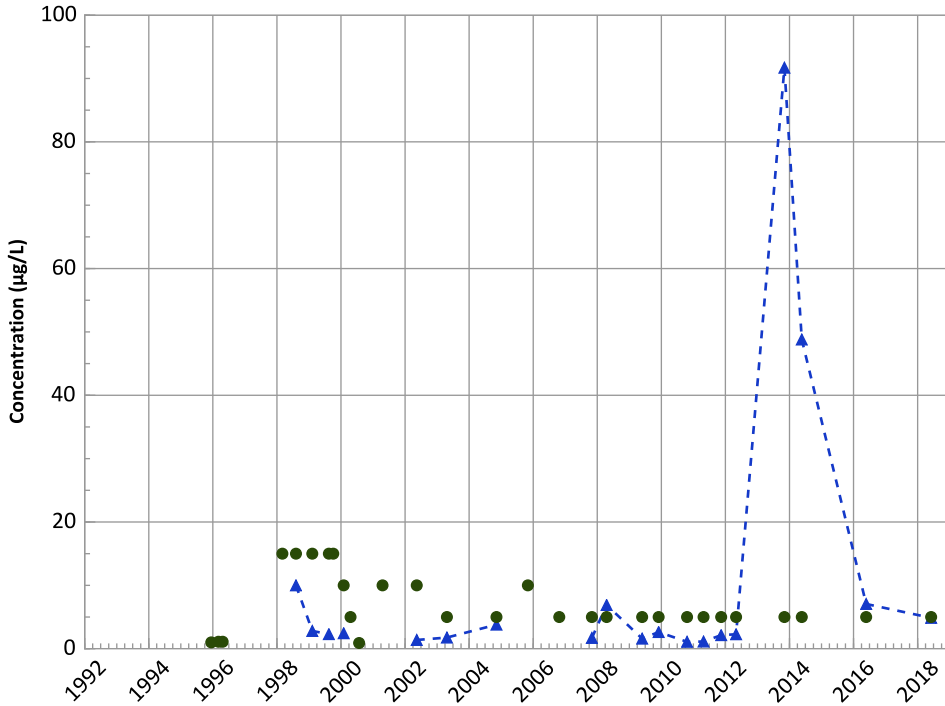
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

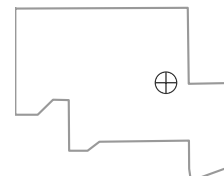
All Data:

No Trend

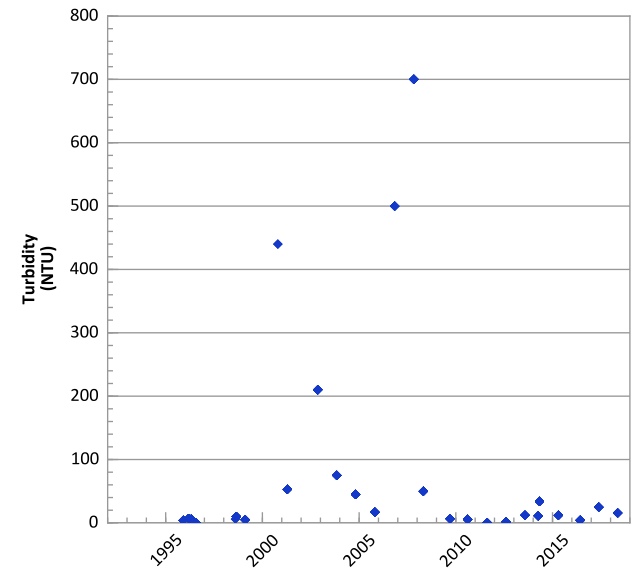
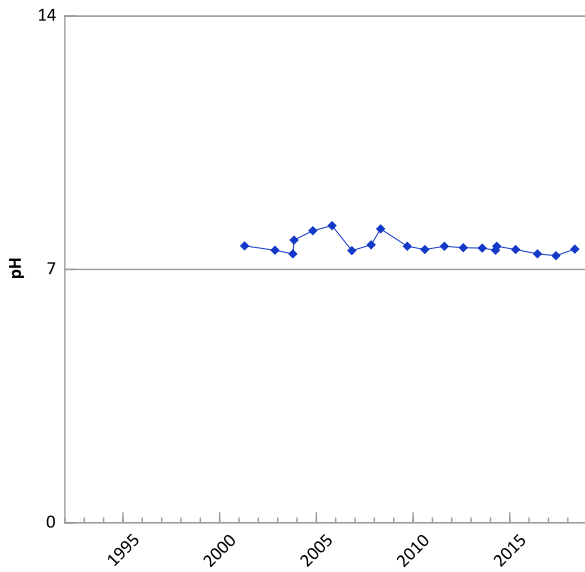
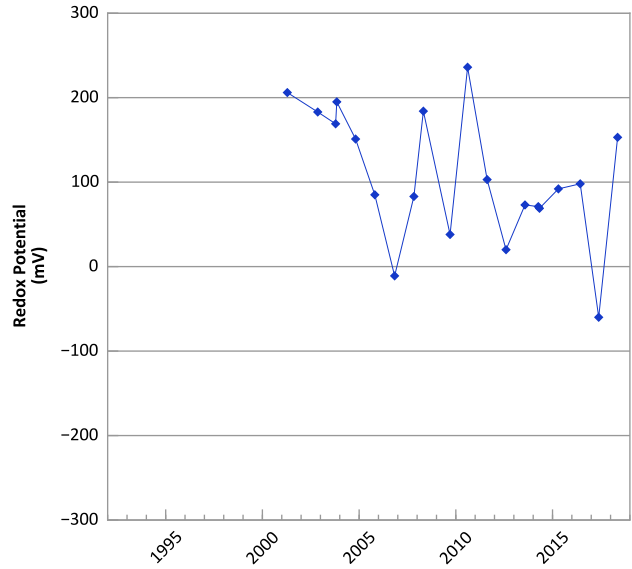
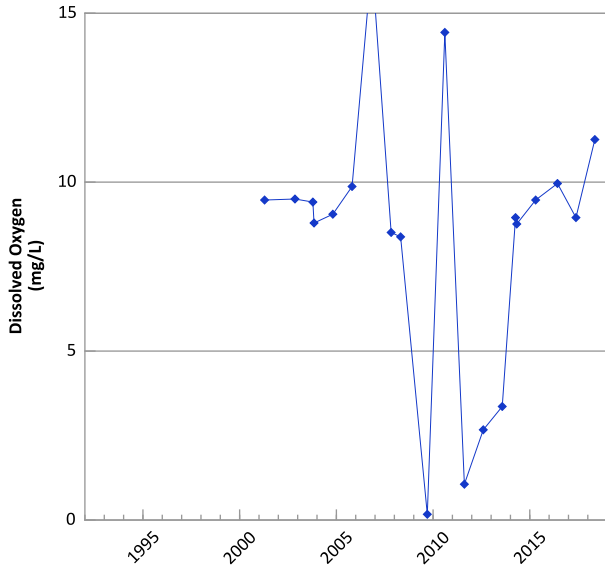
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/14/1995 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

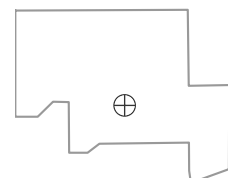


**PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



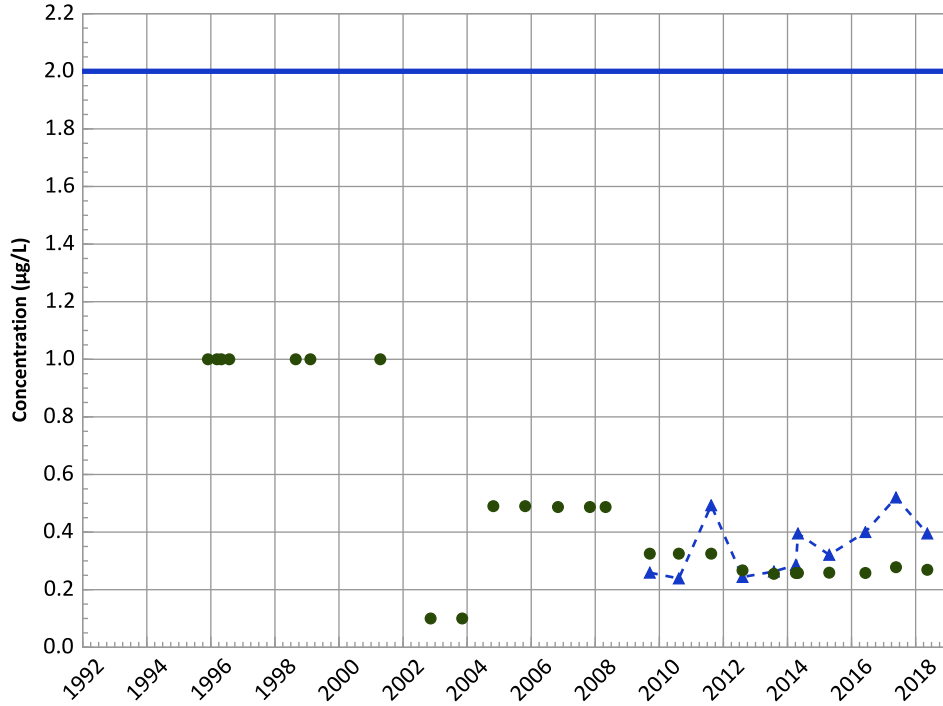
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/29/1995 to 05/14/2018
 Analysis Date: 02/14/2019

Well Location



PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

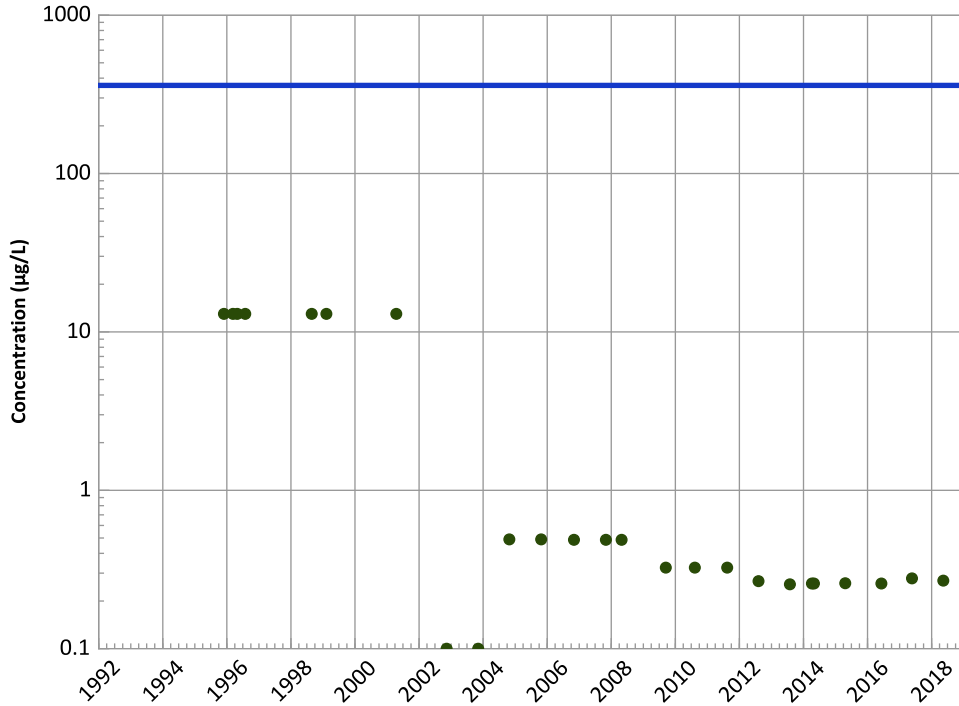


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

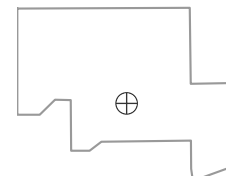
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

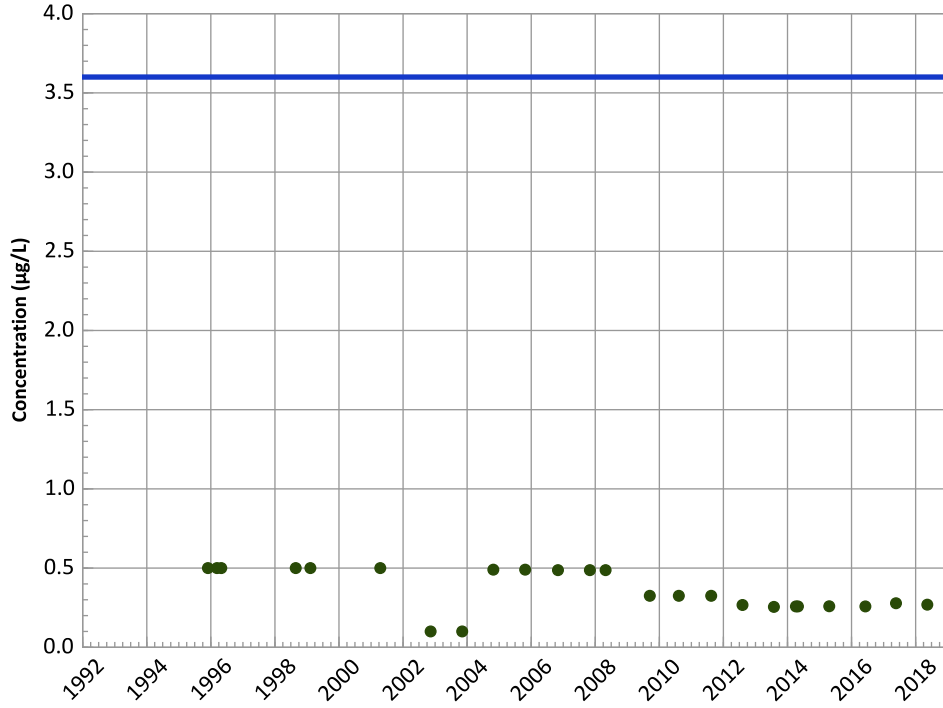
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

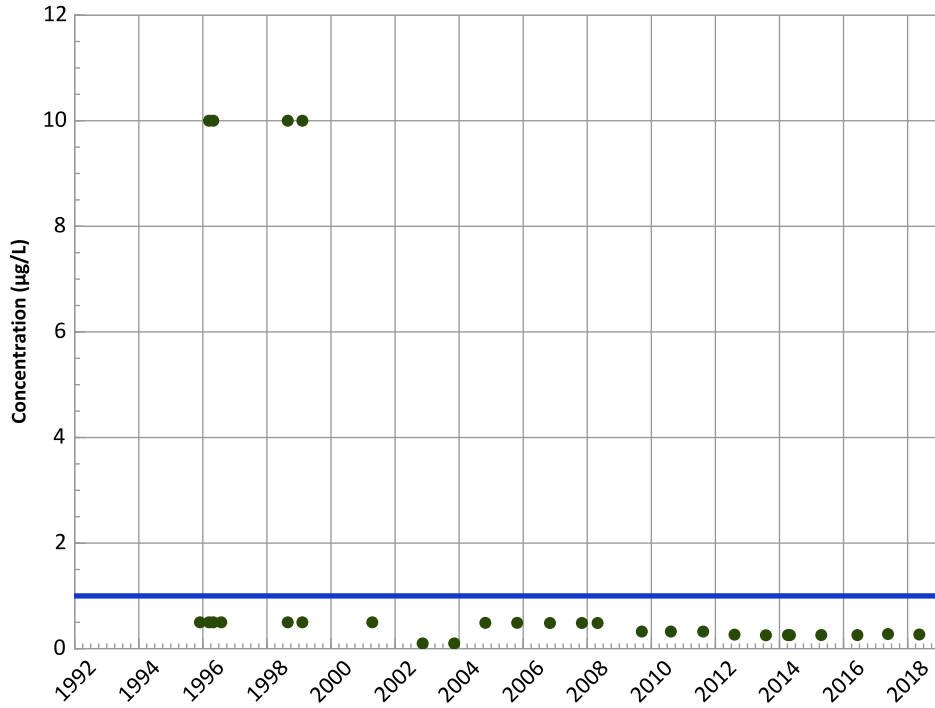
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

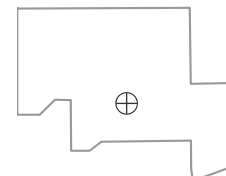
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

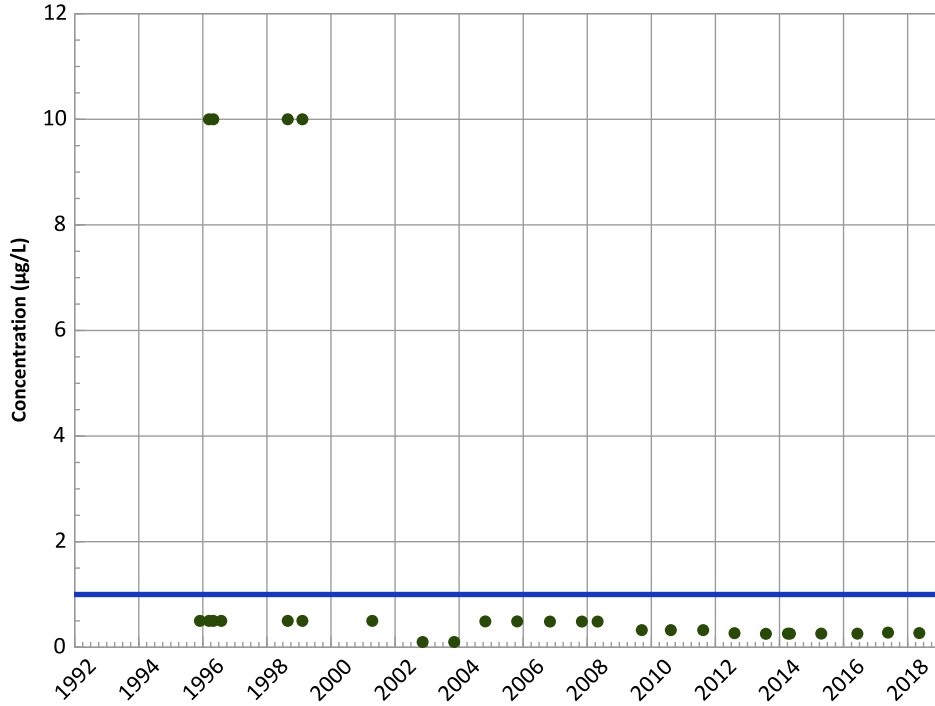
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

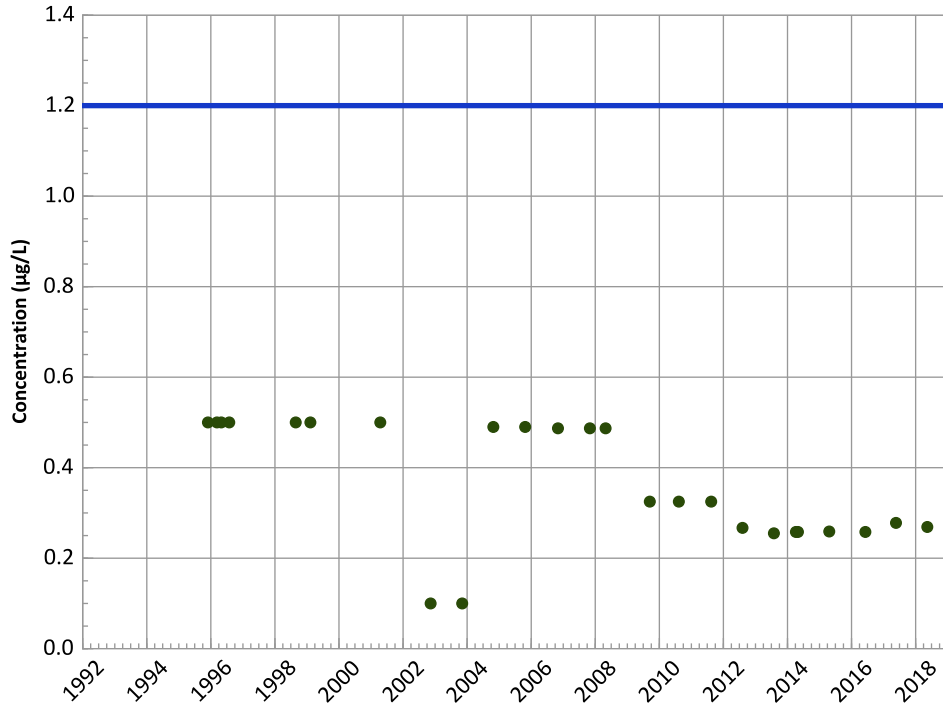
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

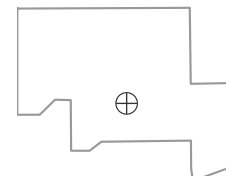
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

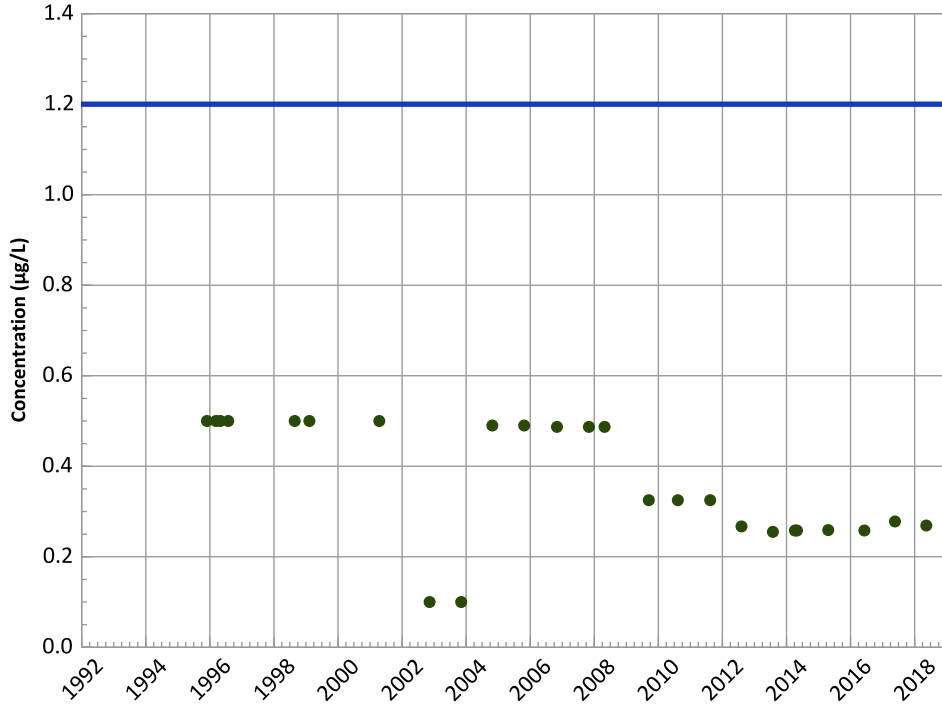
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

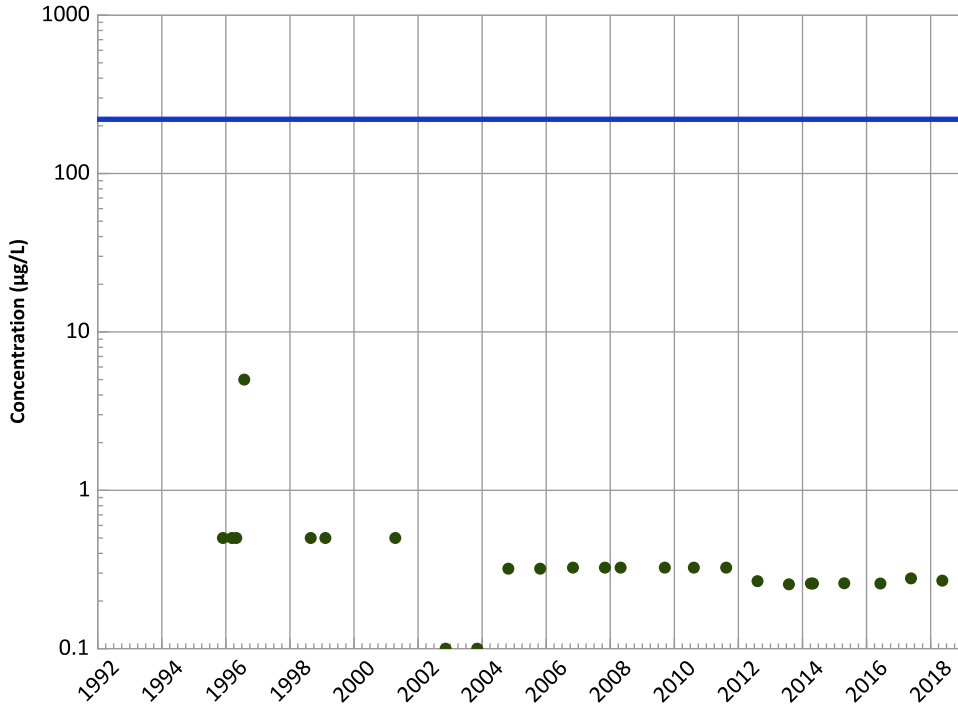
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

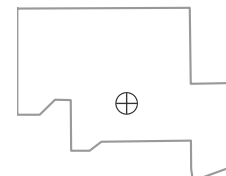
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

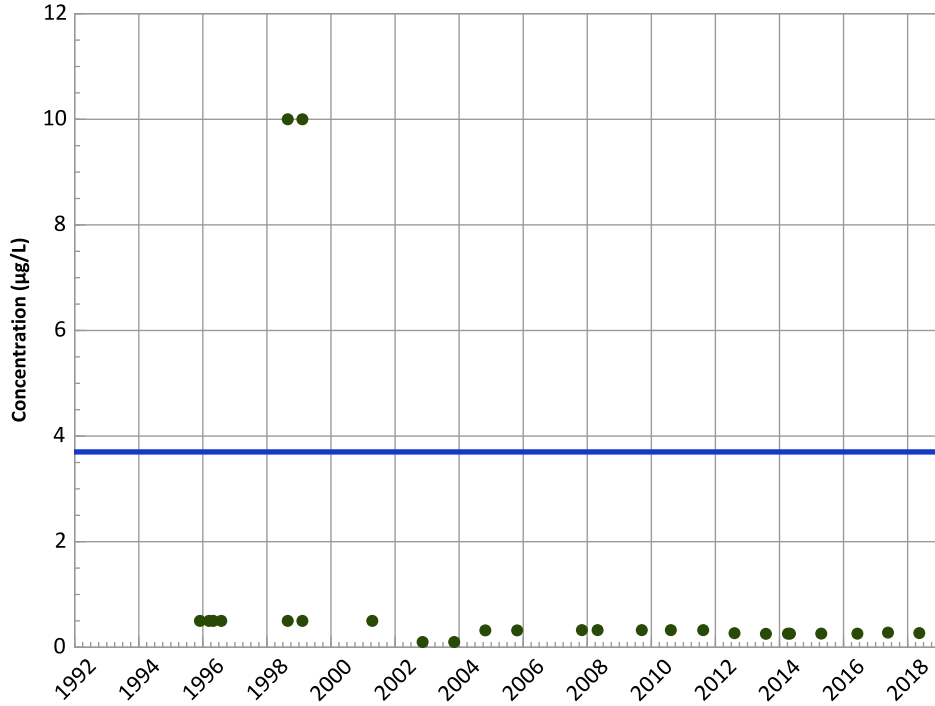
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

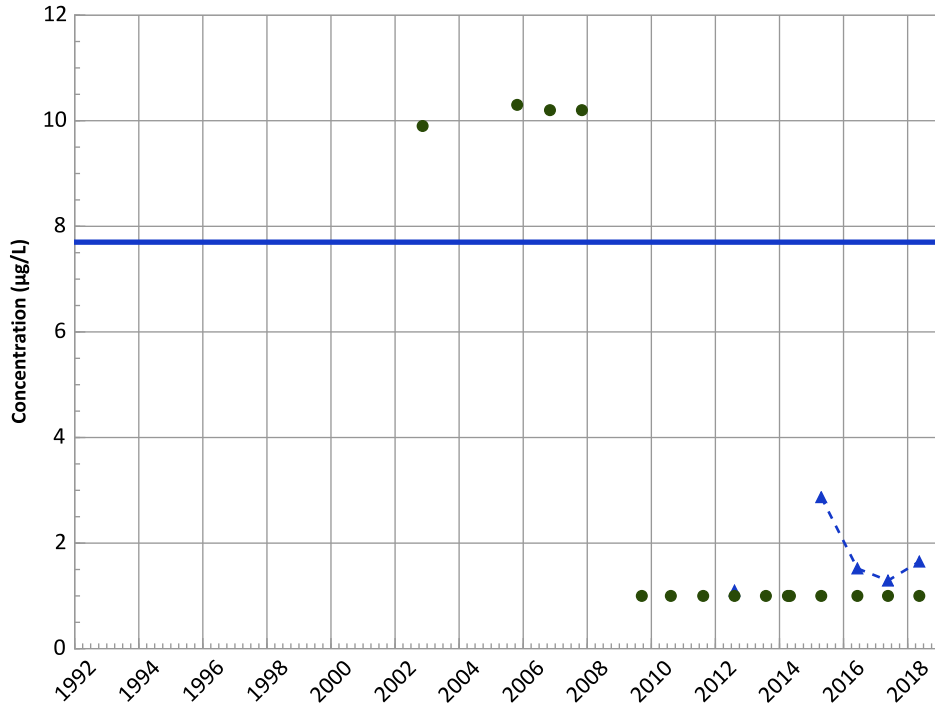
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

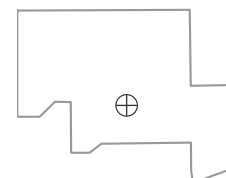
All Data:

No Trend

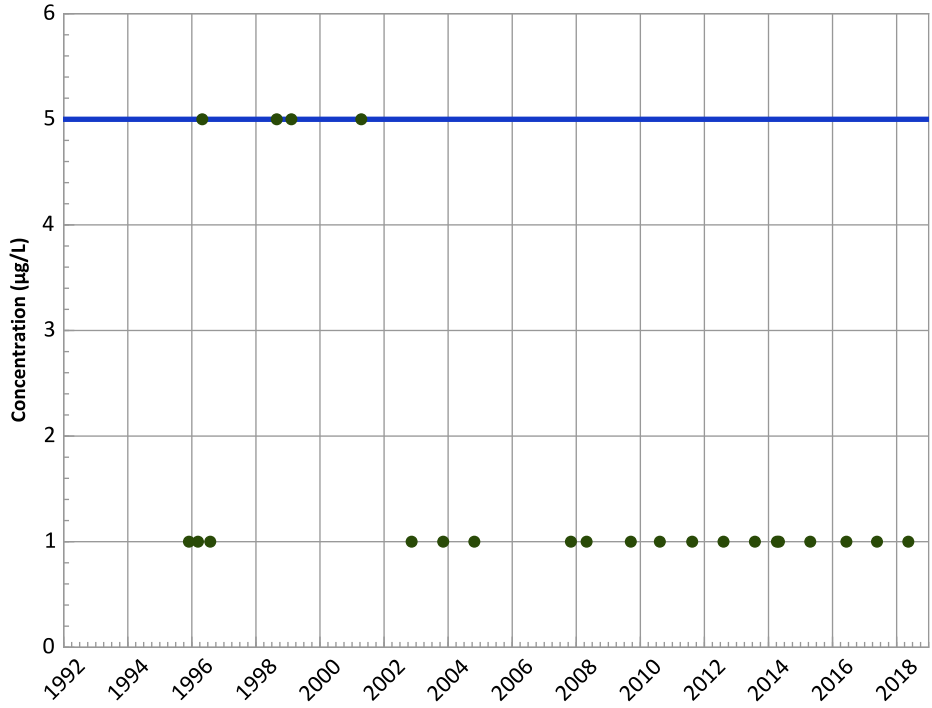
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

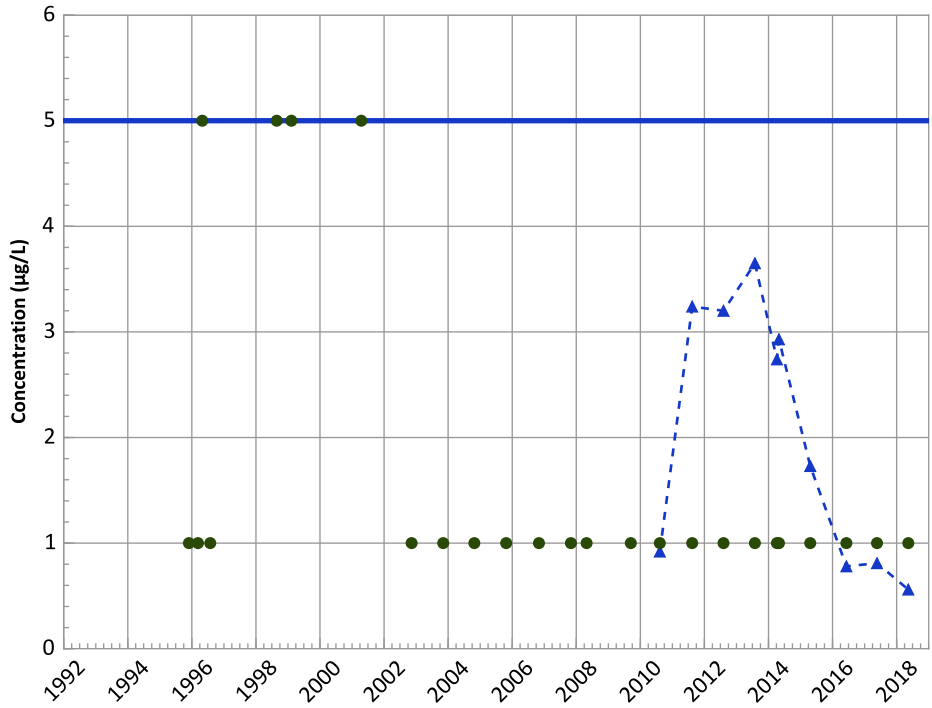
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

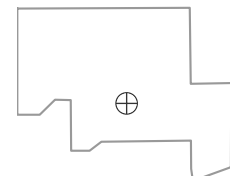
All Data:

Decreasing

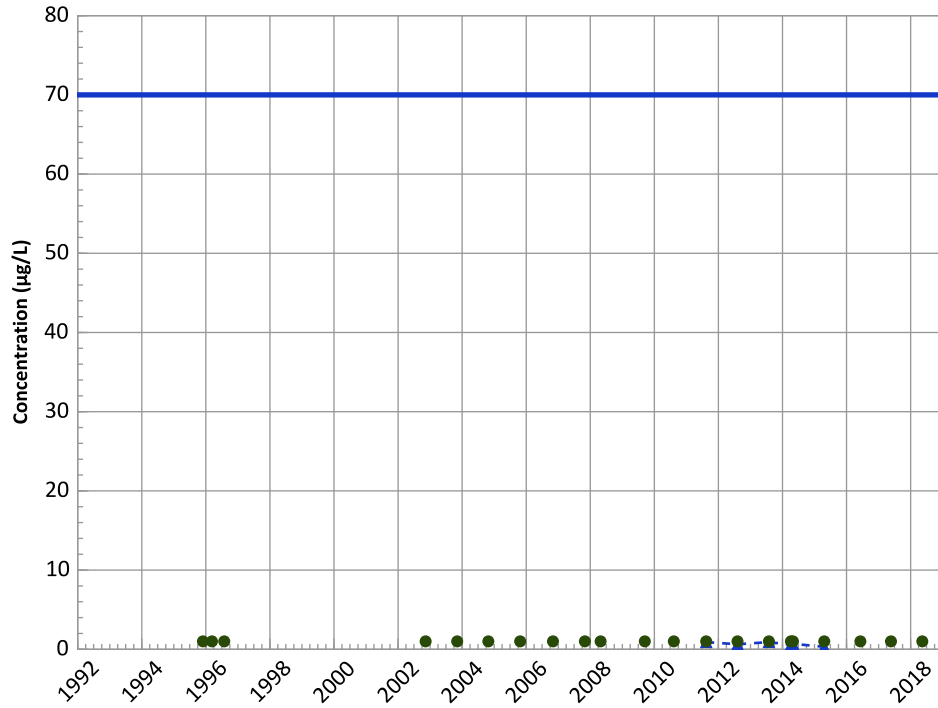
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

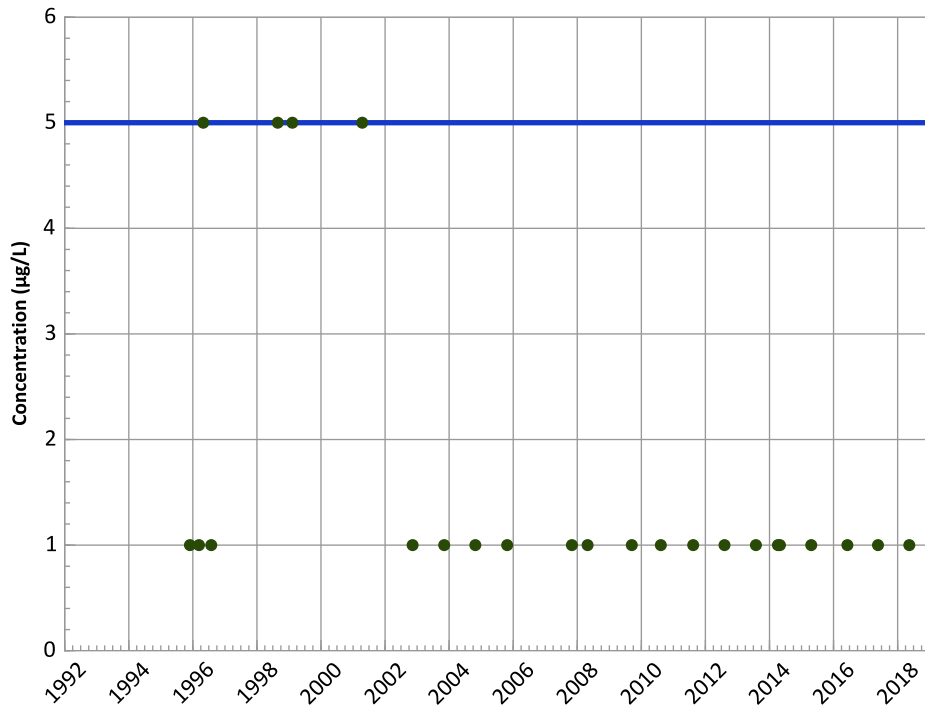


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Decreasing

1,2-Dichloroethane Trend



Concentration Trend

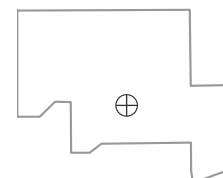
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

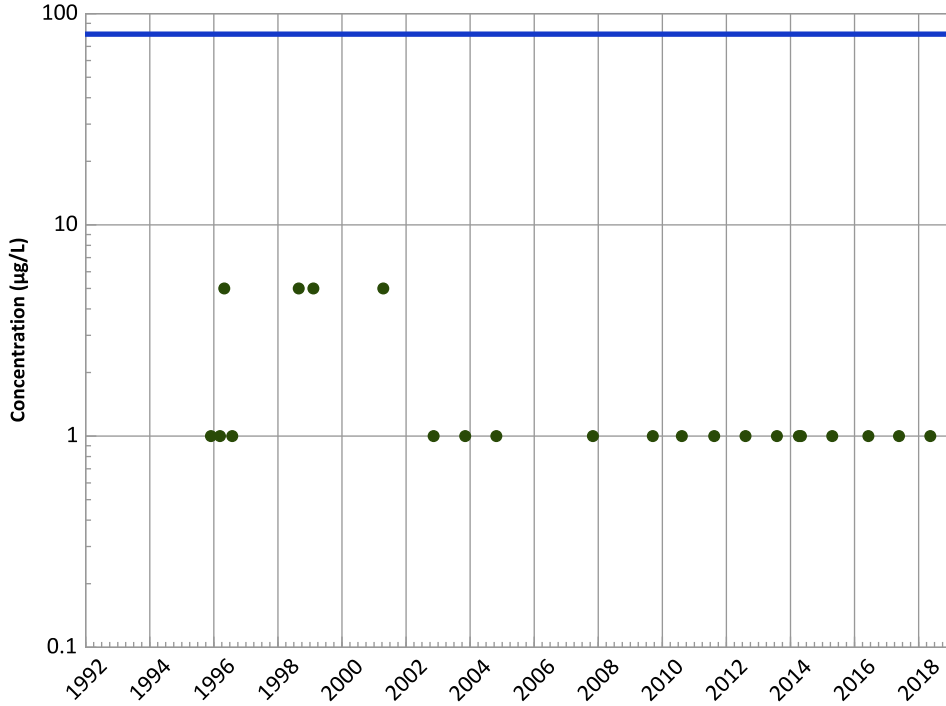
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

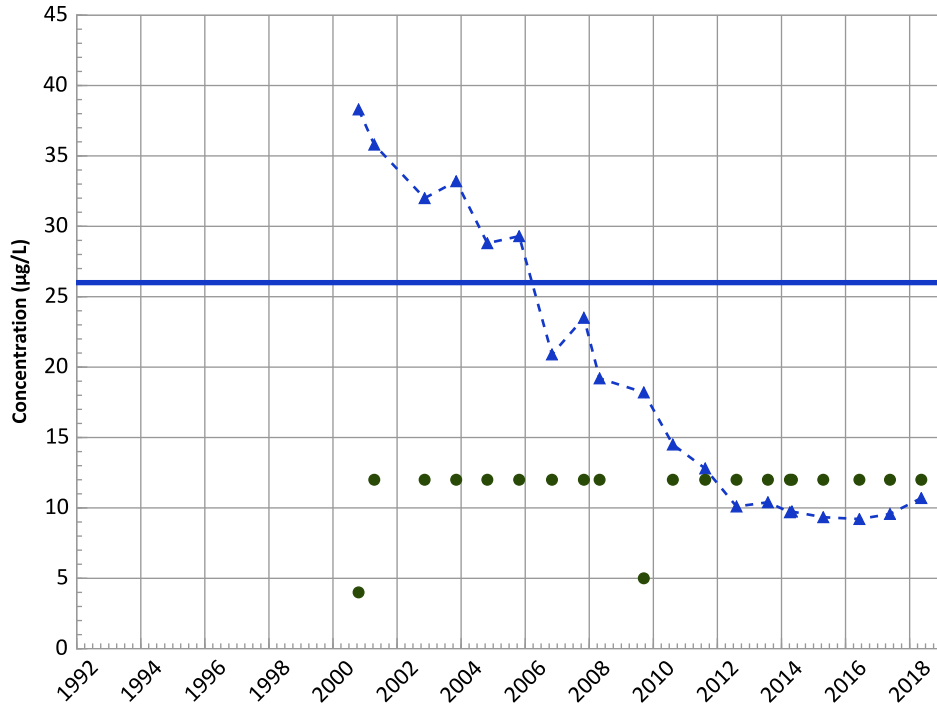
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

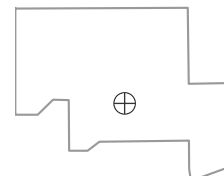
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

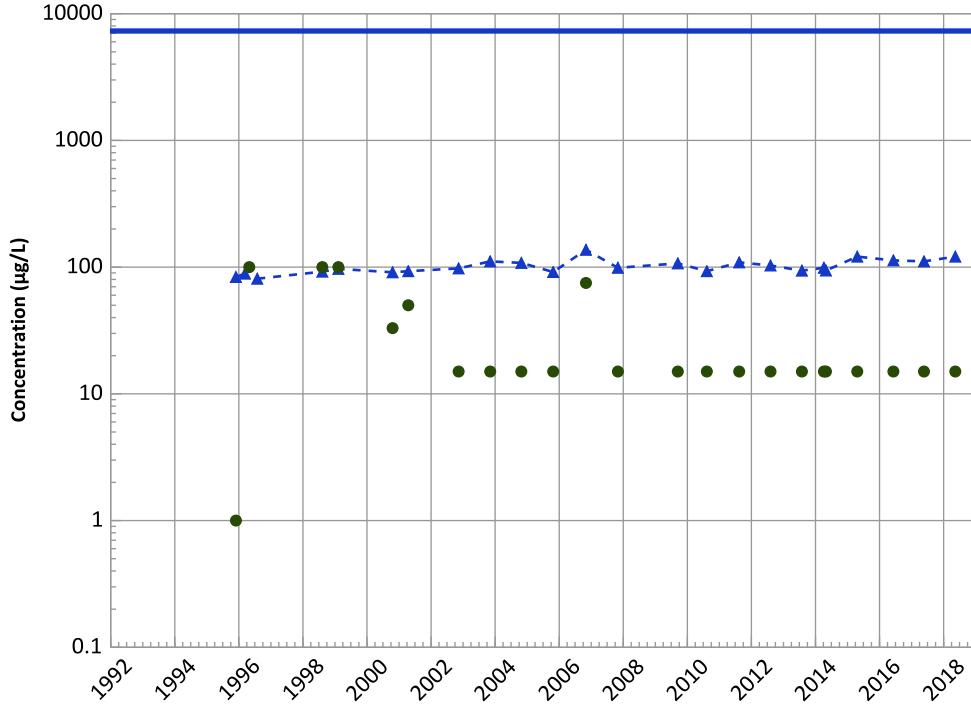
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1003 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

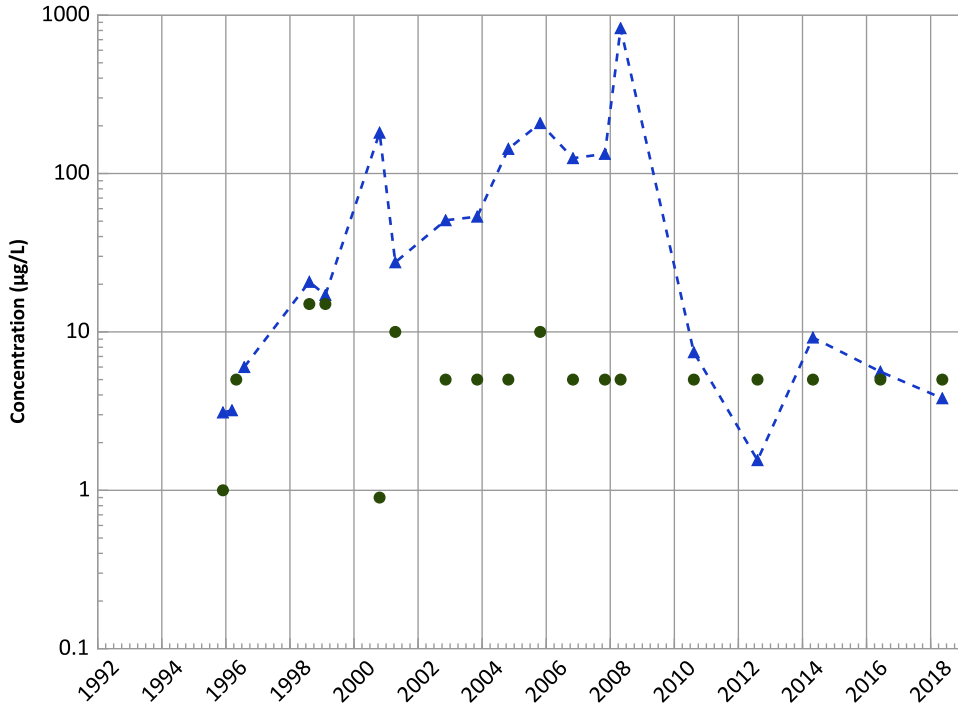
Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

Manganese 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 Detections in Dataset)

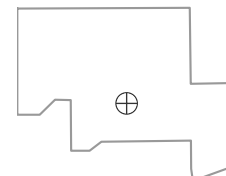
All Data:

No Trend

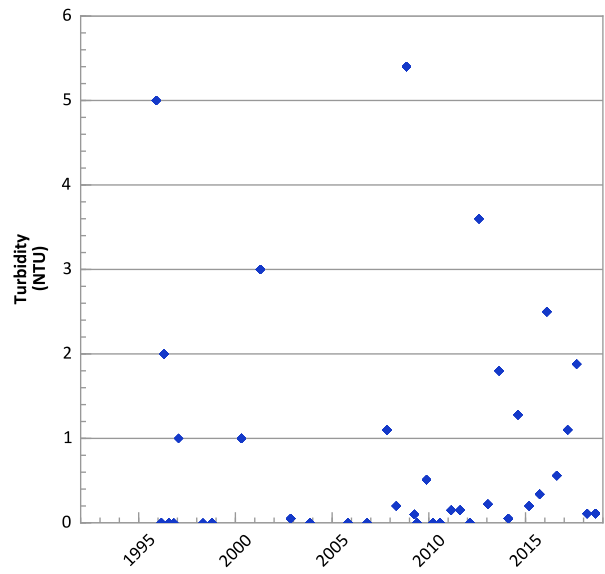
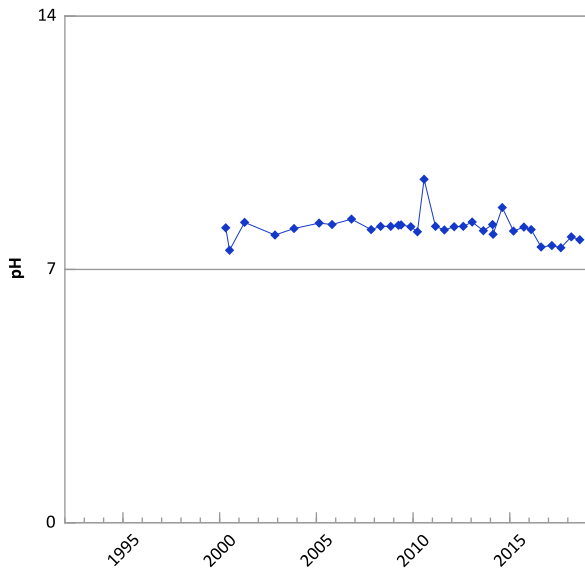
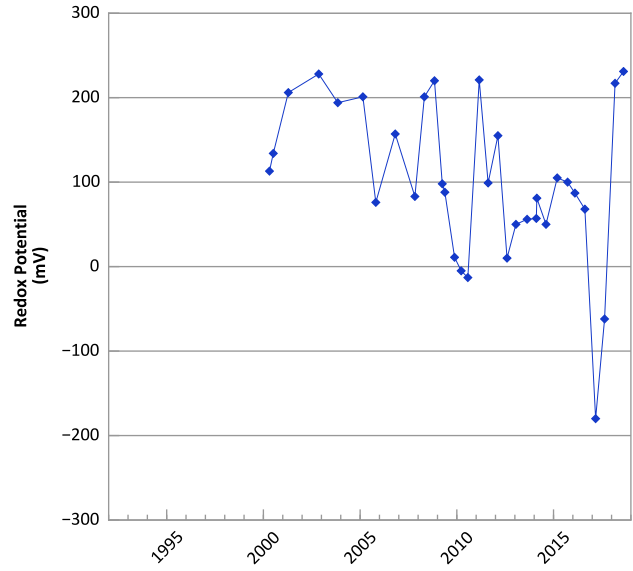
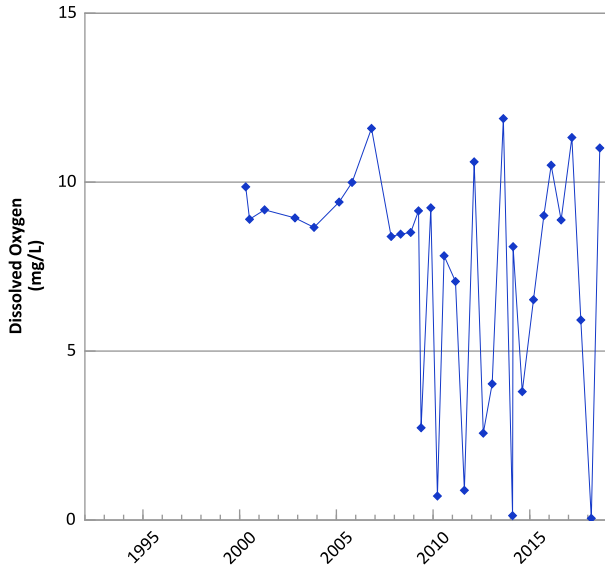
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 05/14/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

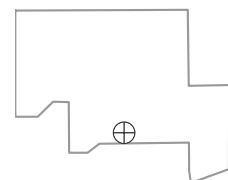


**PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



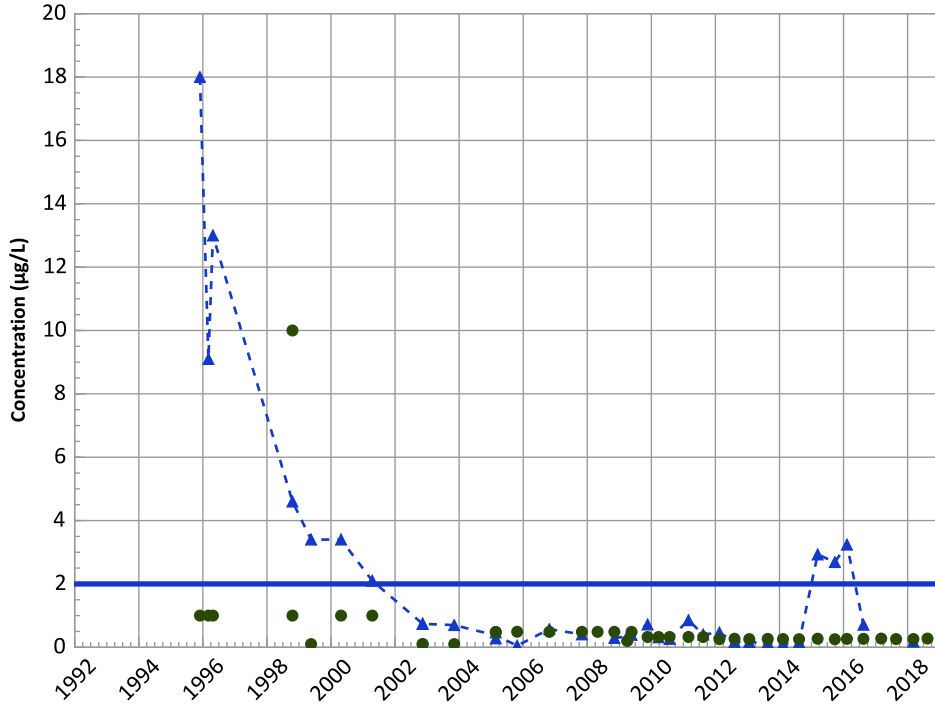
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/29/1995 to 08/15/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

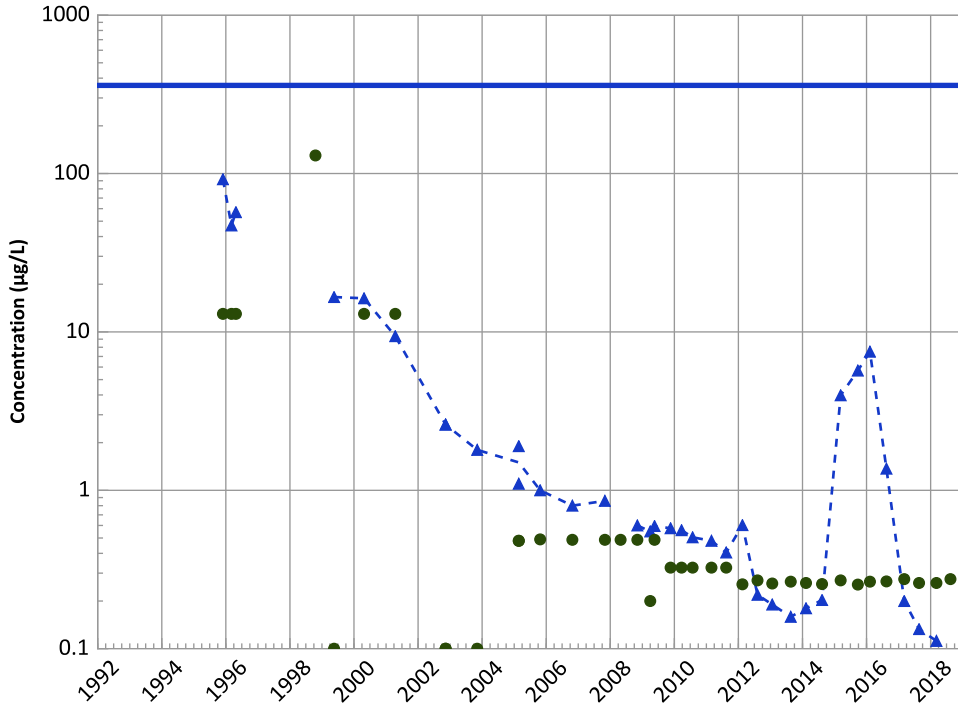
Data (2017 - 2021):

Increasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

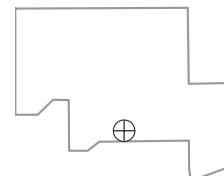
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

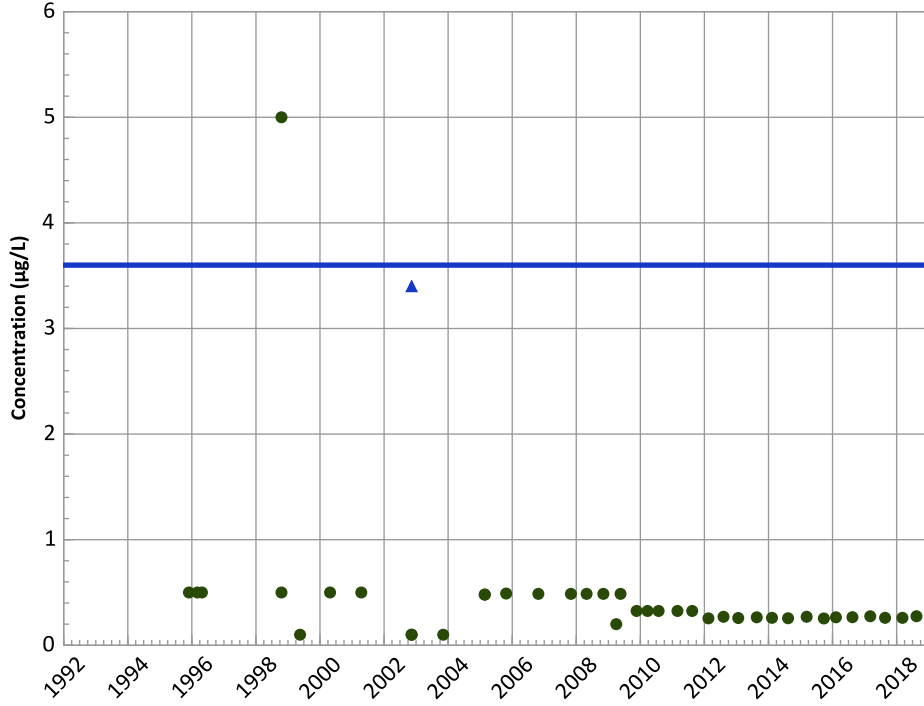
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

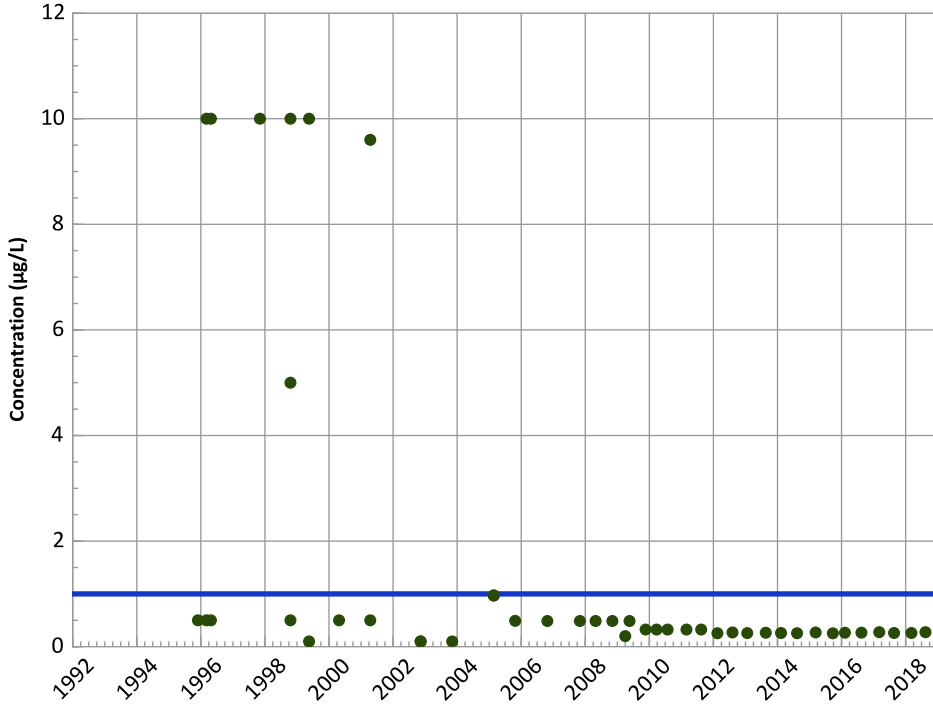
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

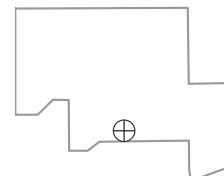
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

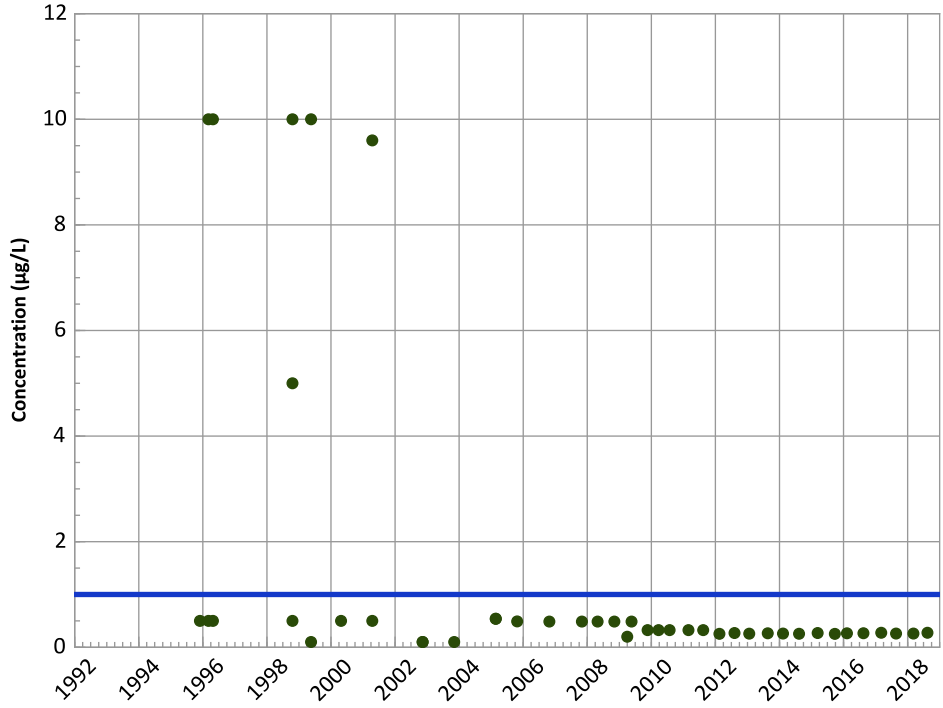
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

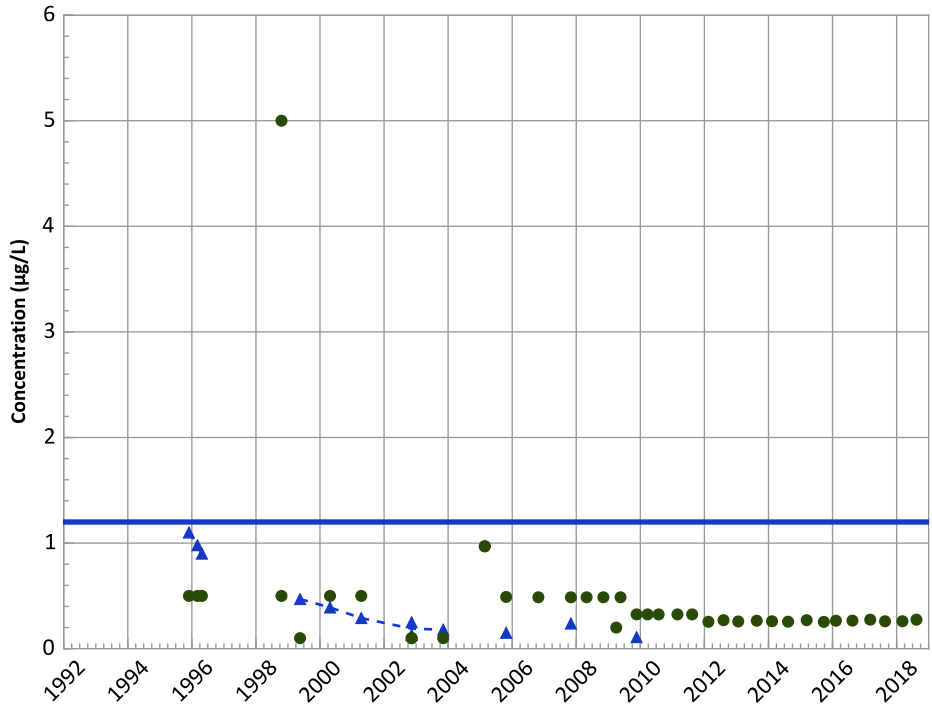
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

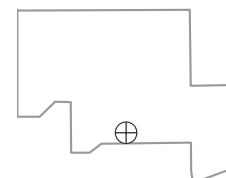
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

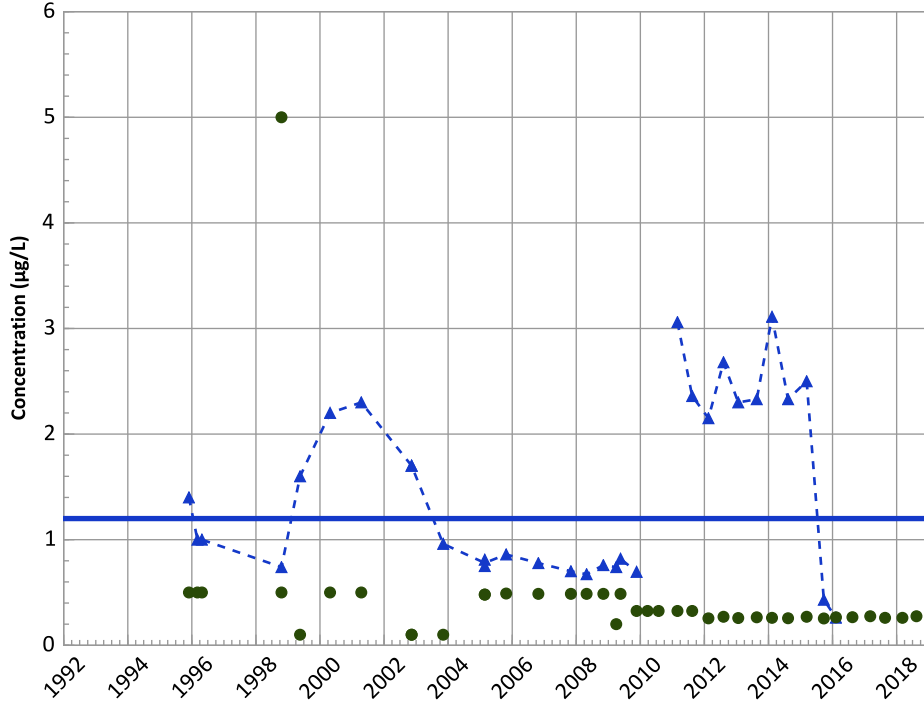
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

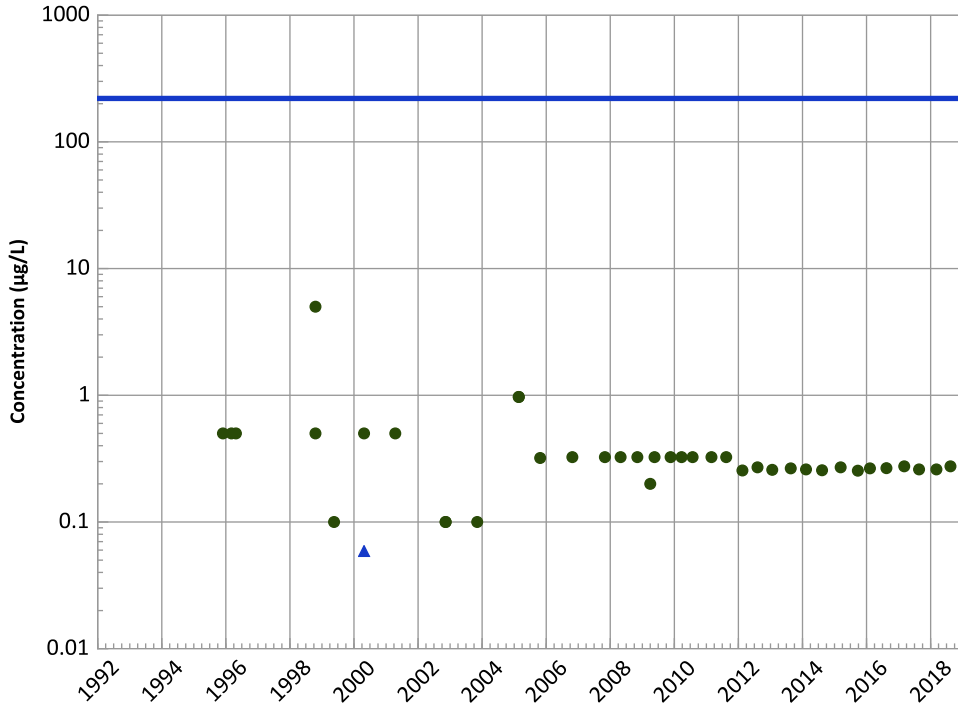
Data (2017 - 2021):

Decreasing

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

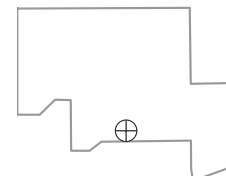
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

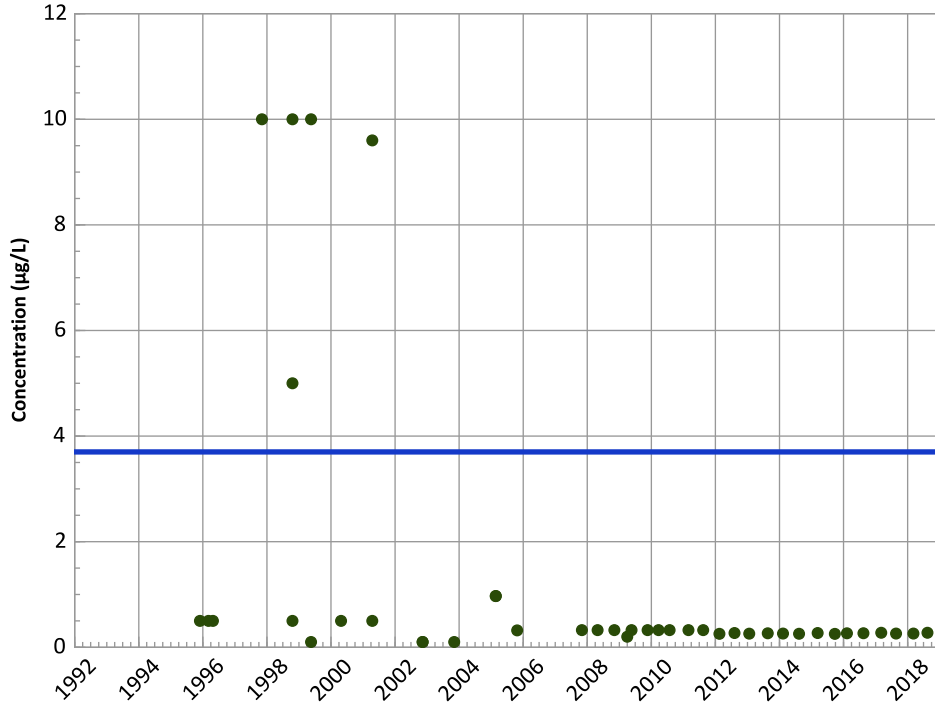


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

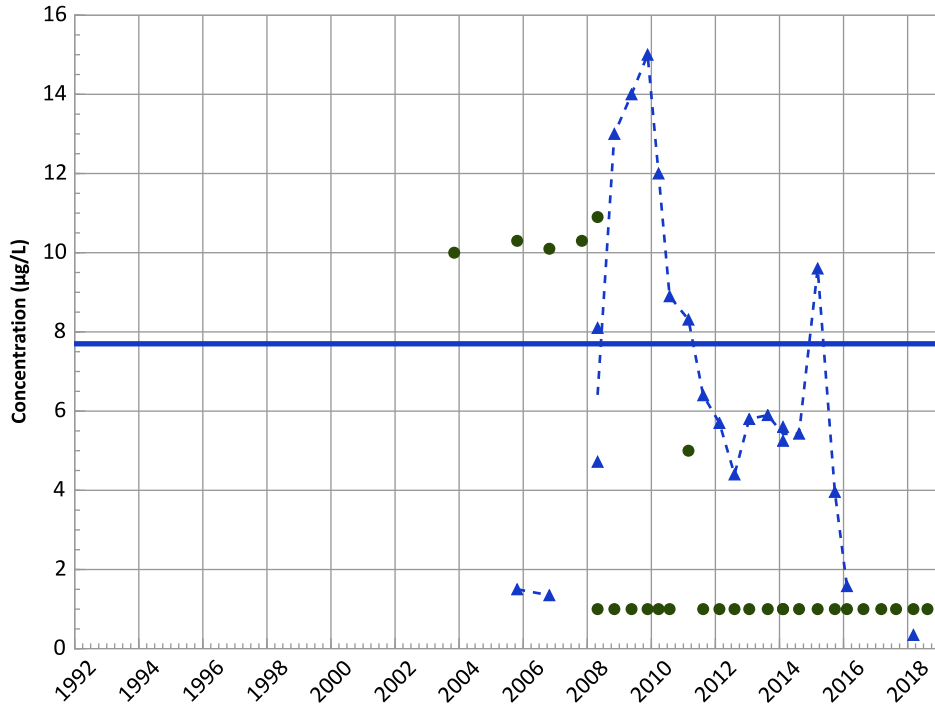
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

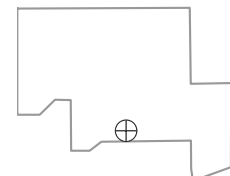
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

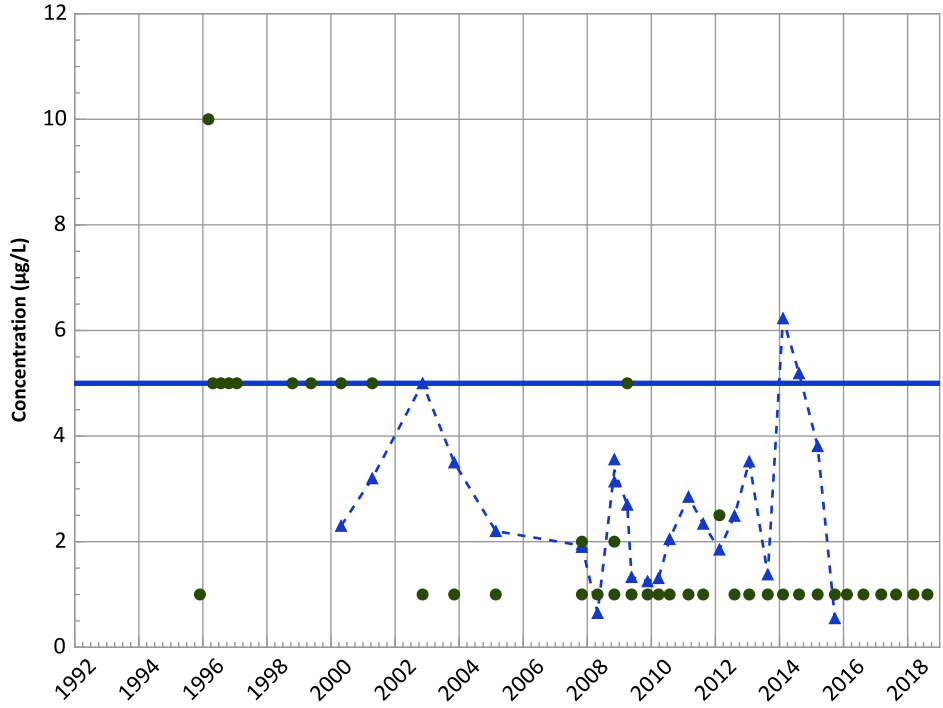
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

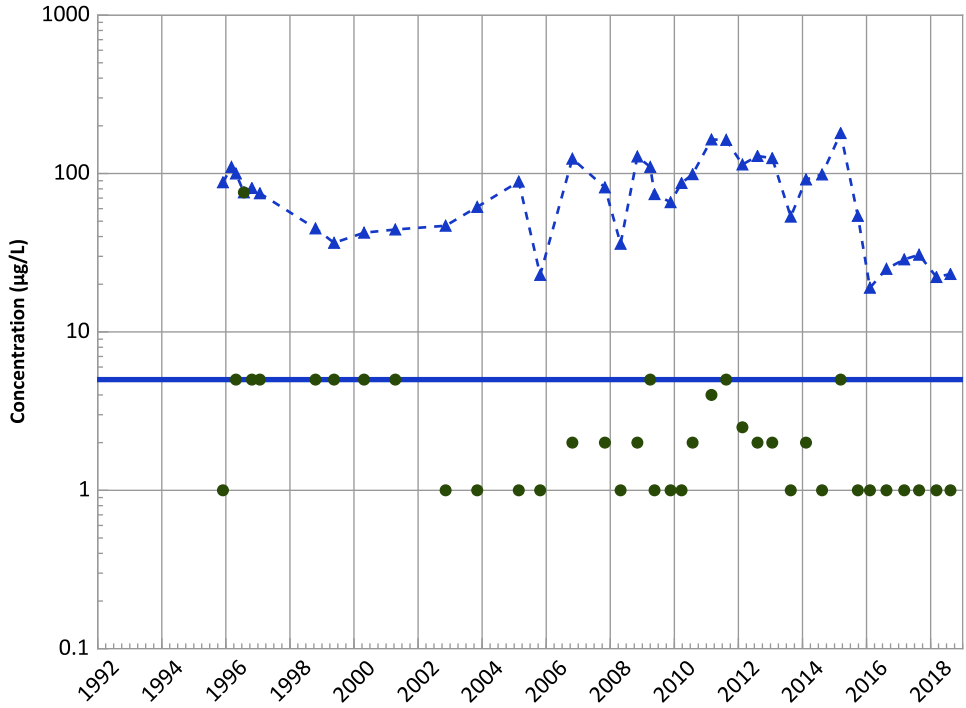
Data (2017 - 2021):

Stable

All Data:

Stable

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

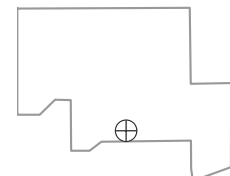
All Data:

Stable

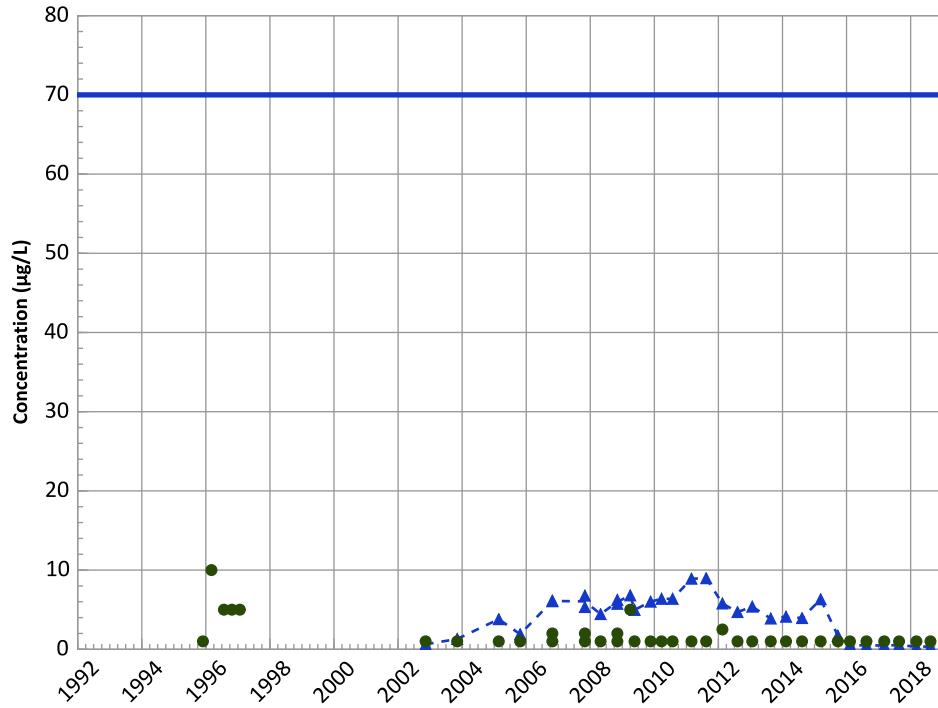
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

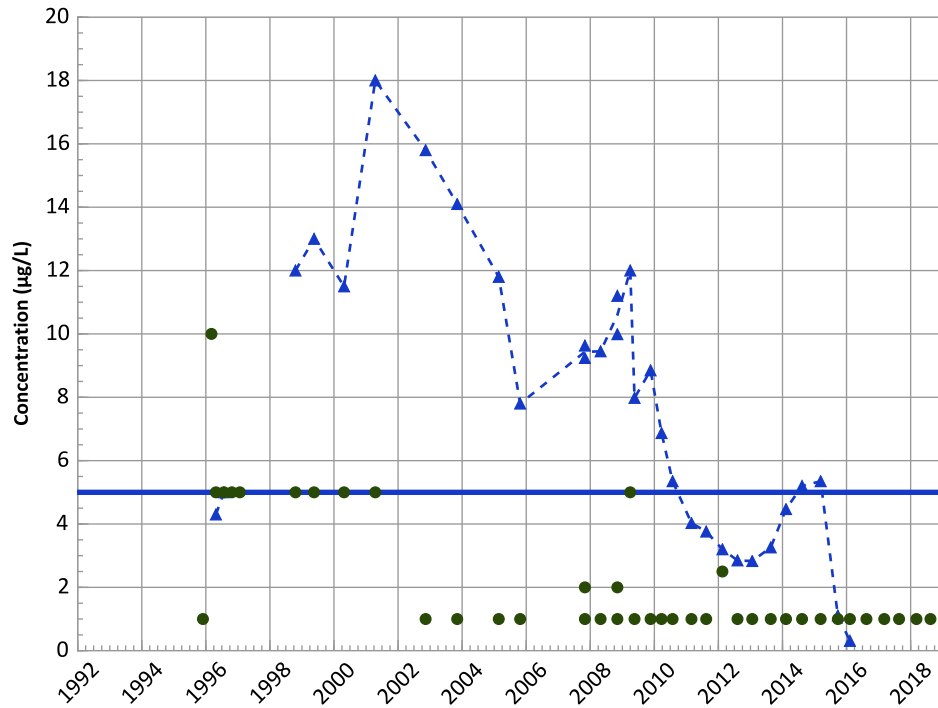
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Decreasing

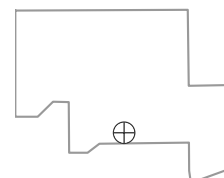
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

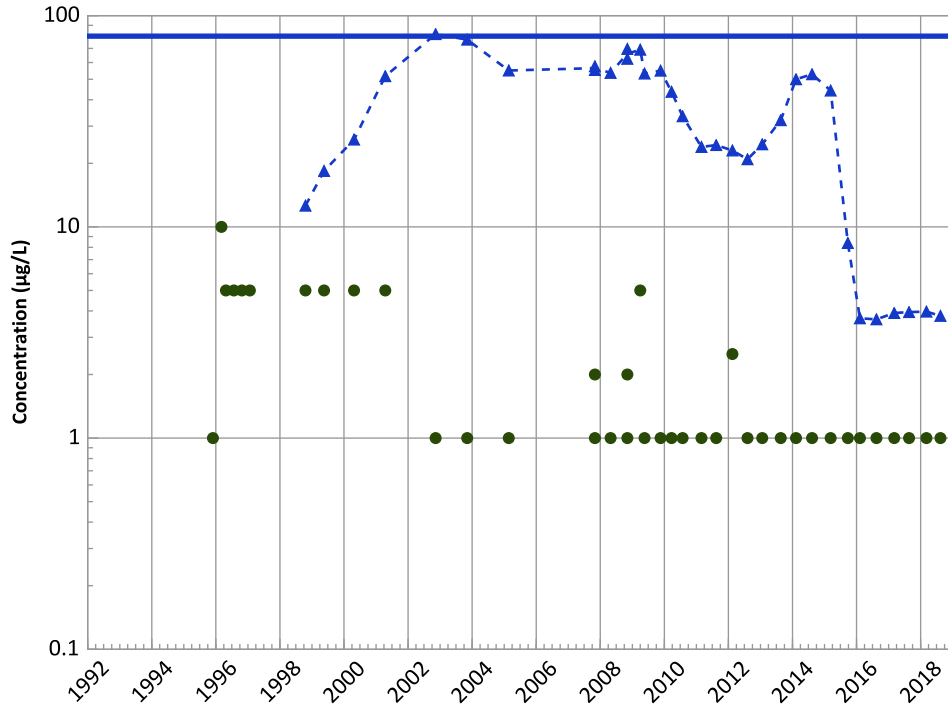
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend

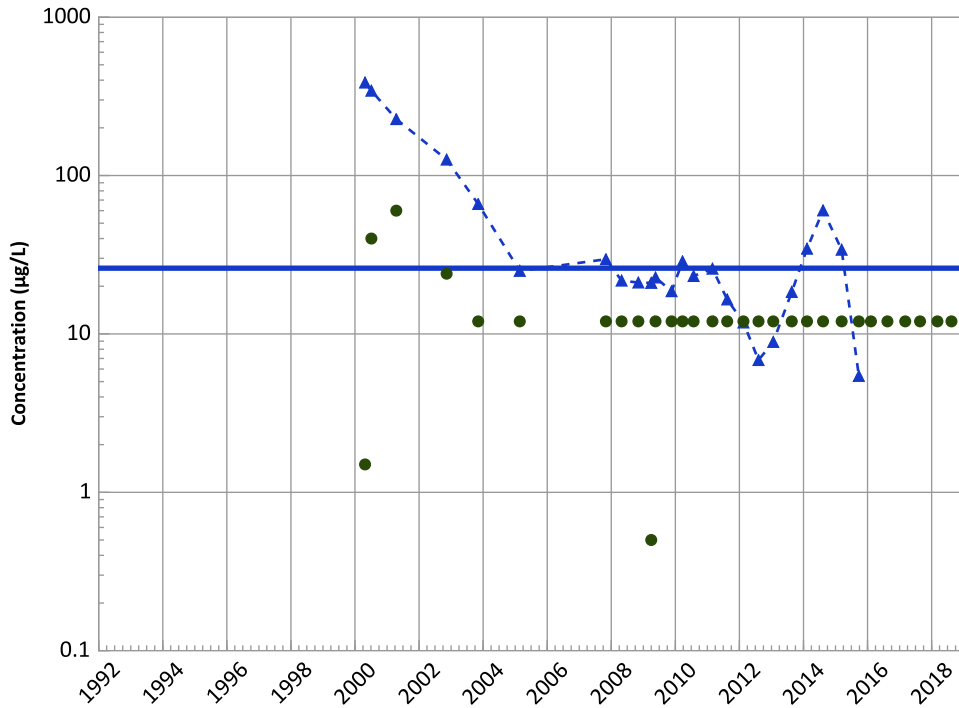


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Perchlorate Trend



Concentration Trend

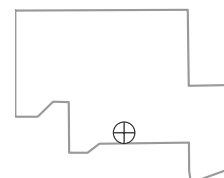
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

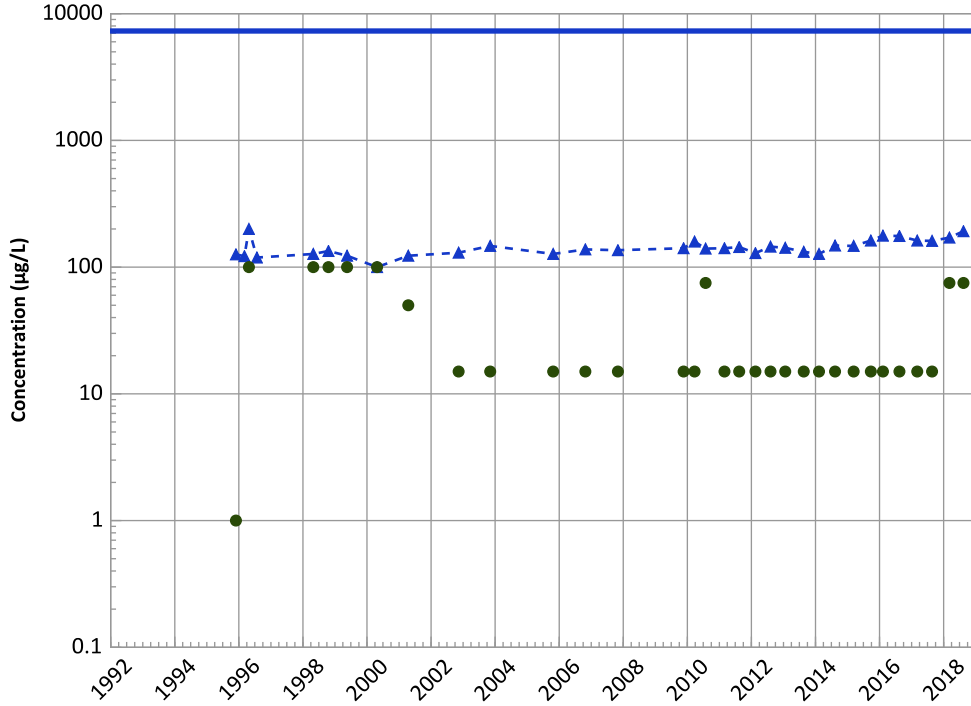
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

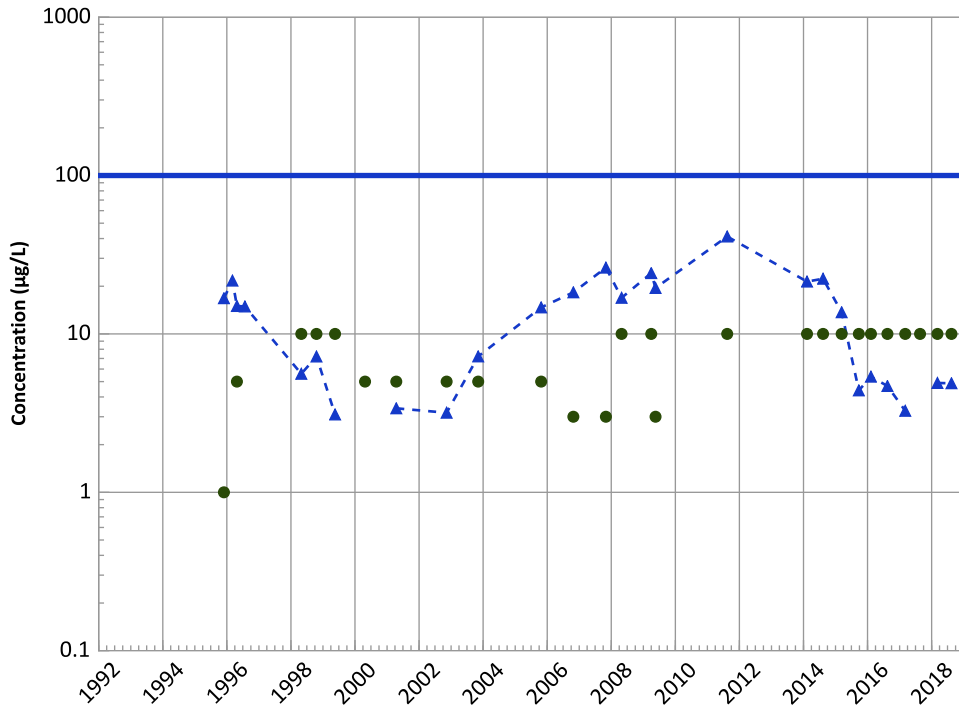


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Chromium, Total Trend



Concentration Trend

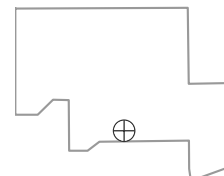
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

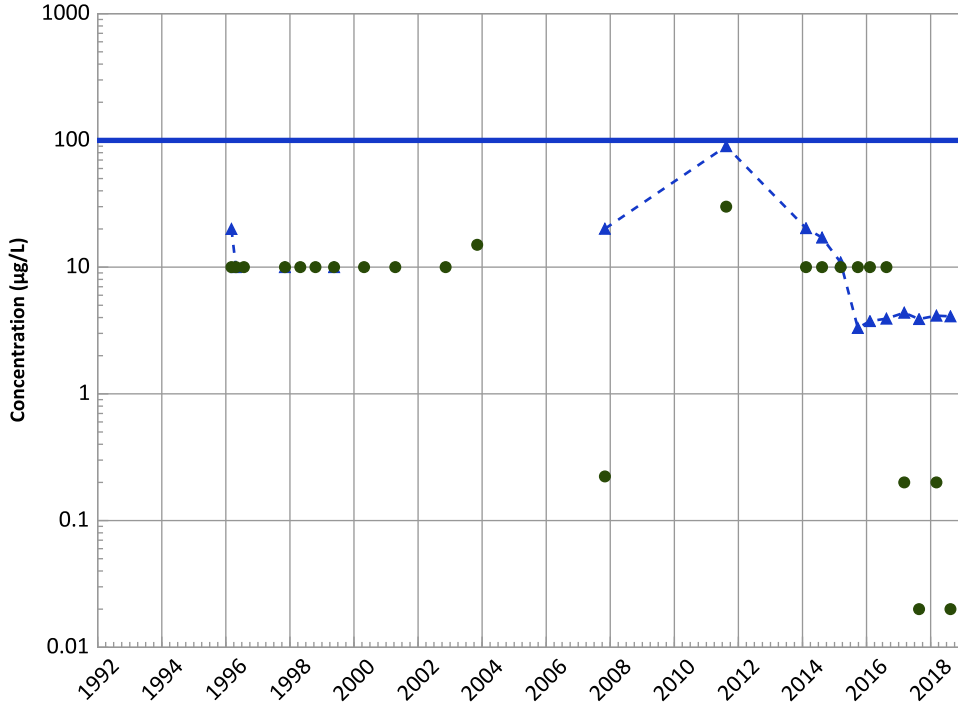
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1005 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

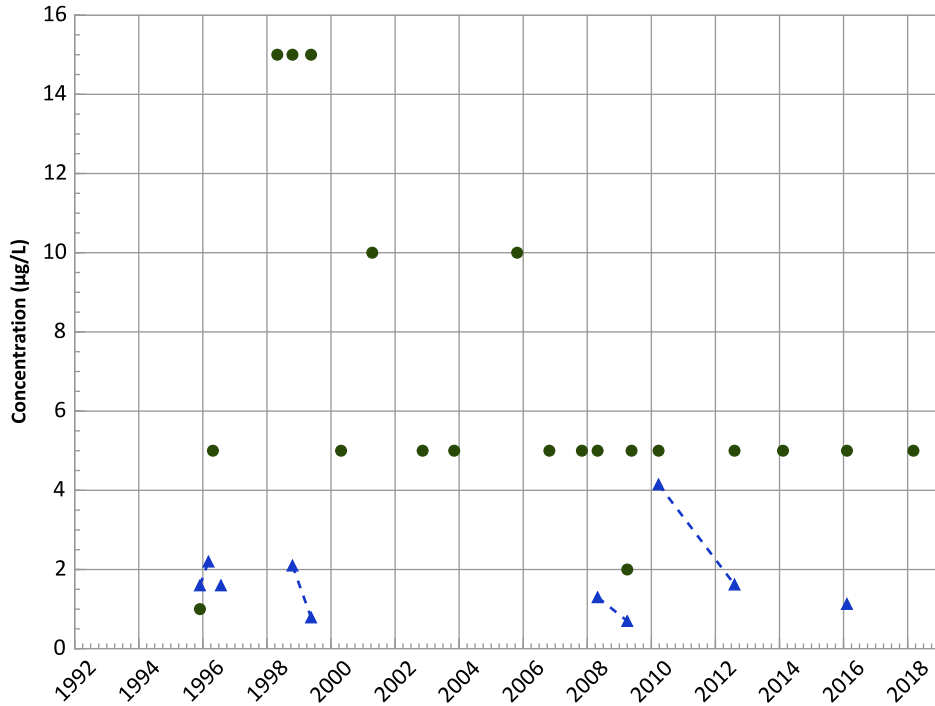
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

No Trend

MAROS Linear Regression Method

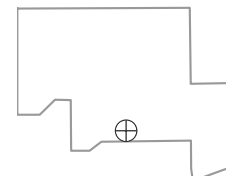
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Stable

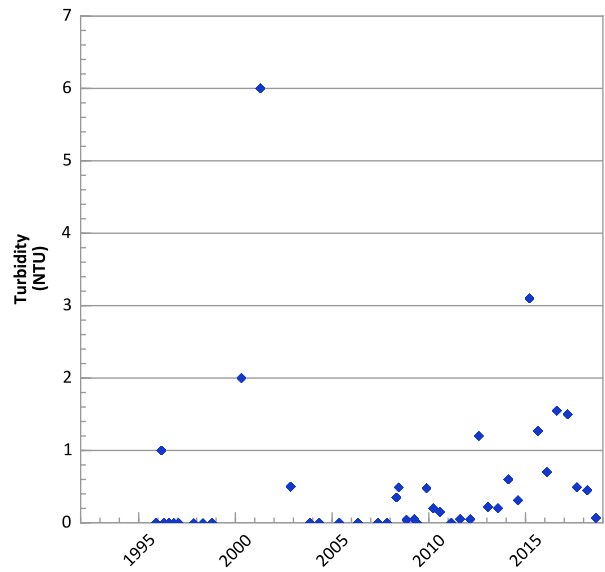
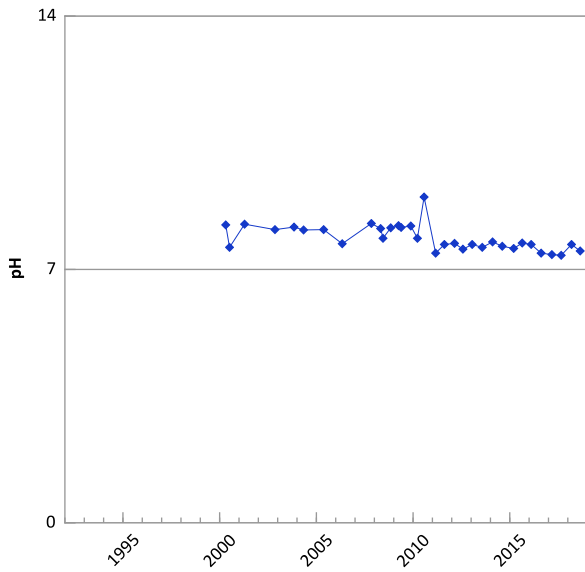
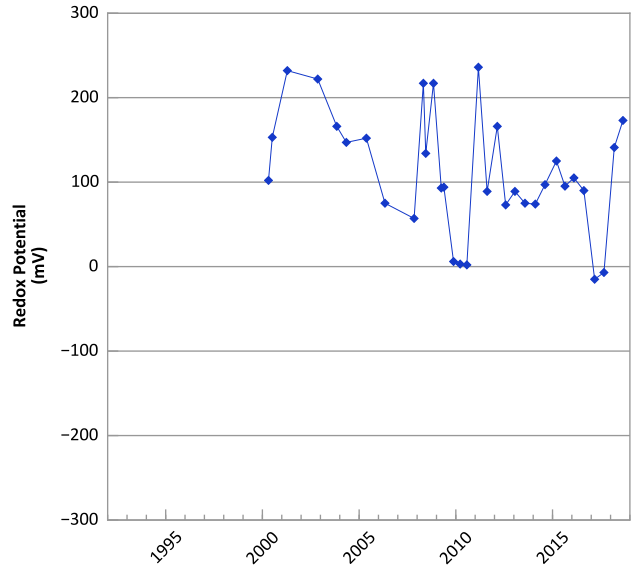
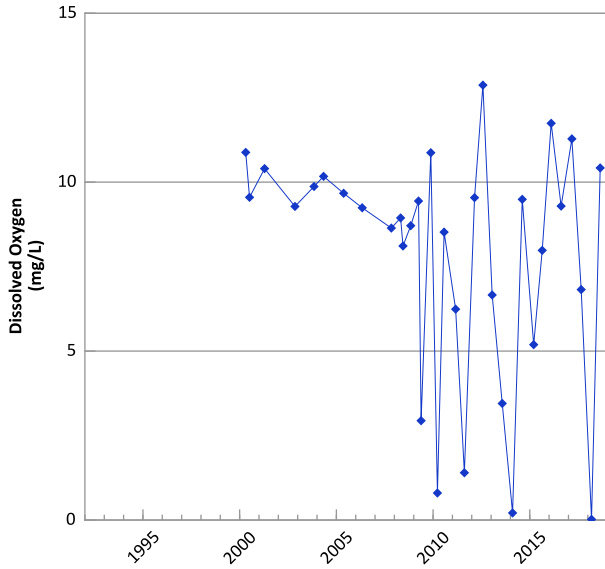
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/29/1995 to 08/15/2018
Analysis Date: 02/14/2019

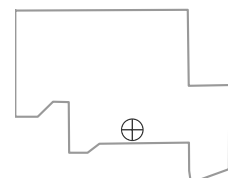
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



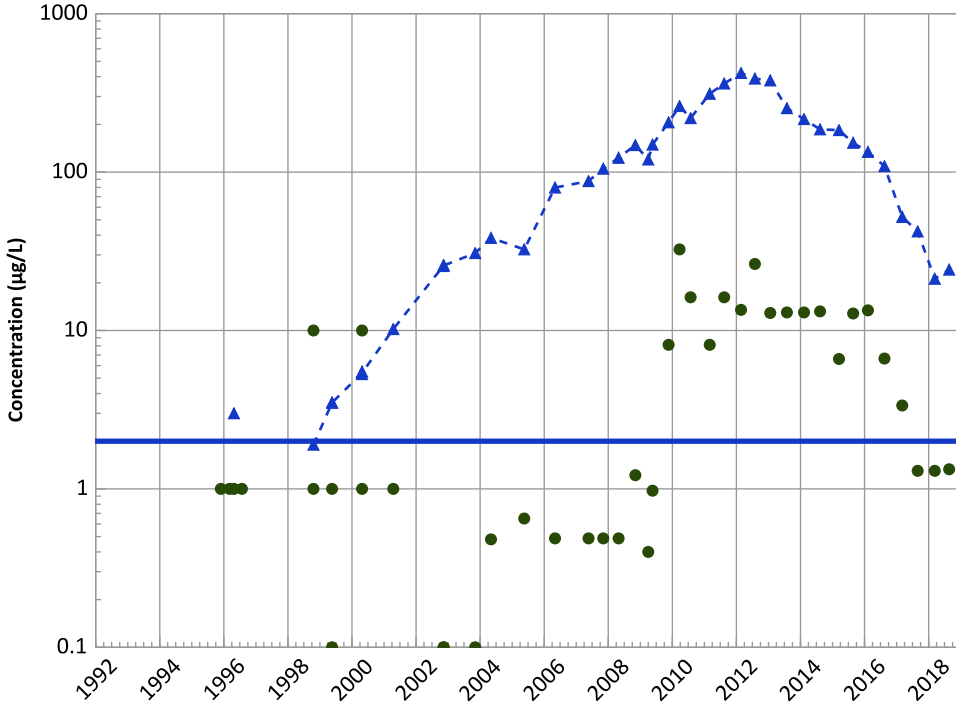
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/28/1995 to 08/23/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

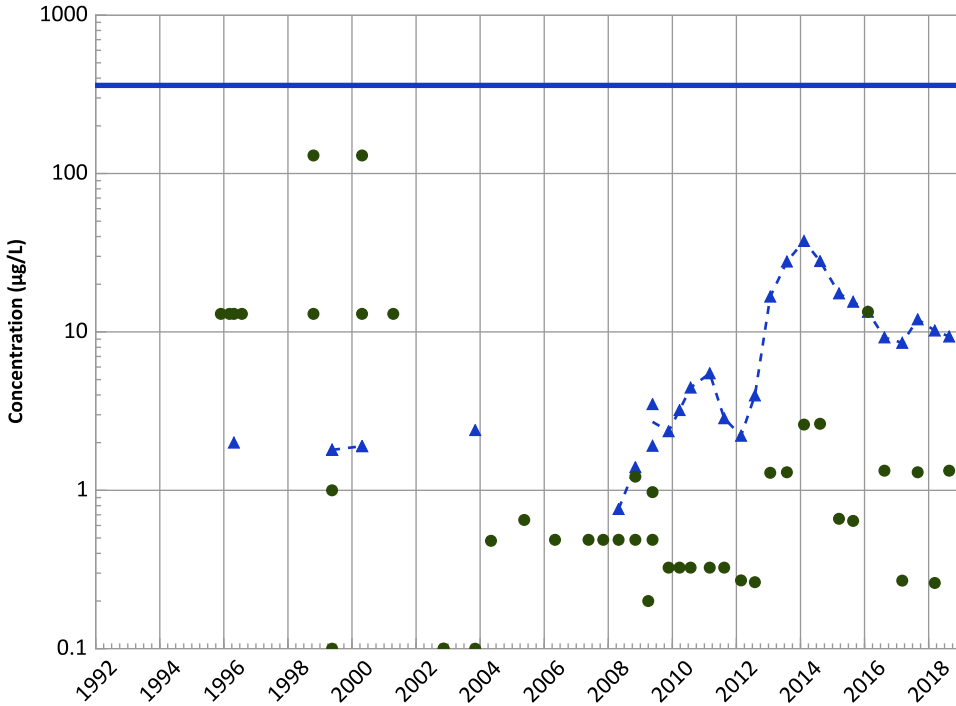
Data (2017 - 2021):

Decreasing

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

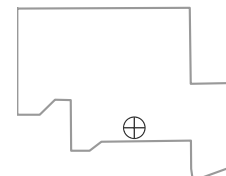
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

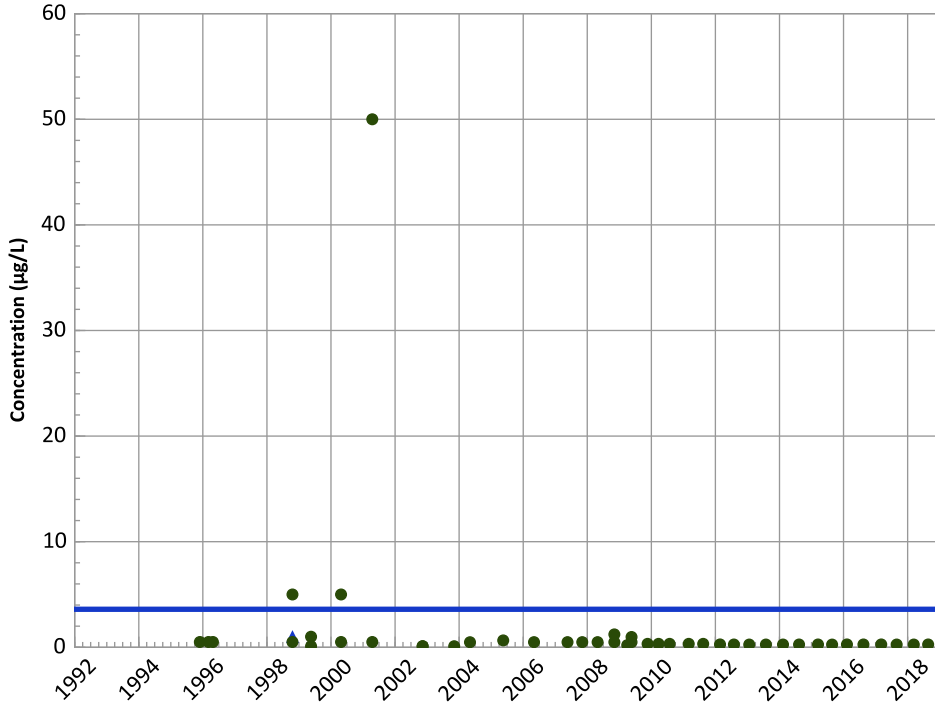
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

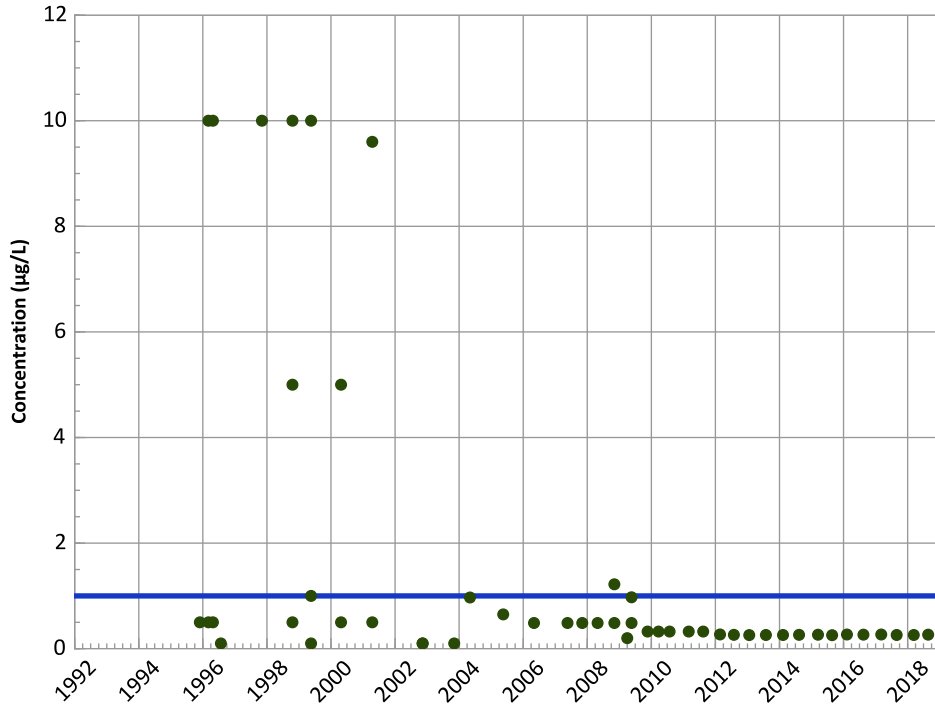
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

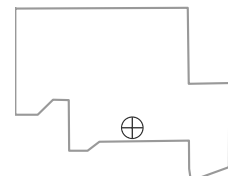
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

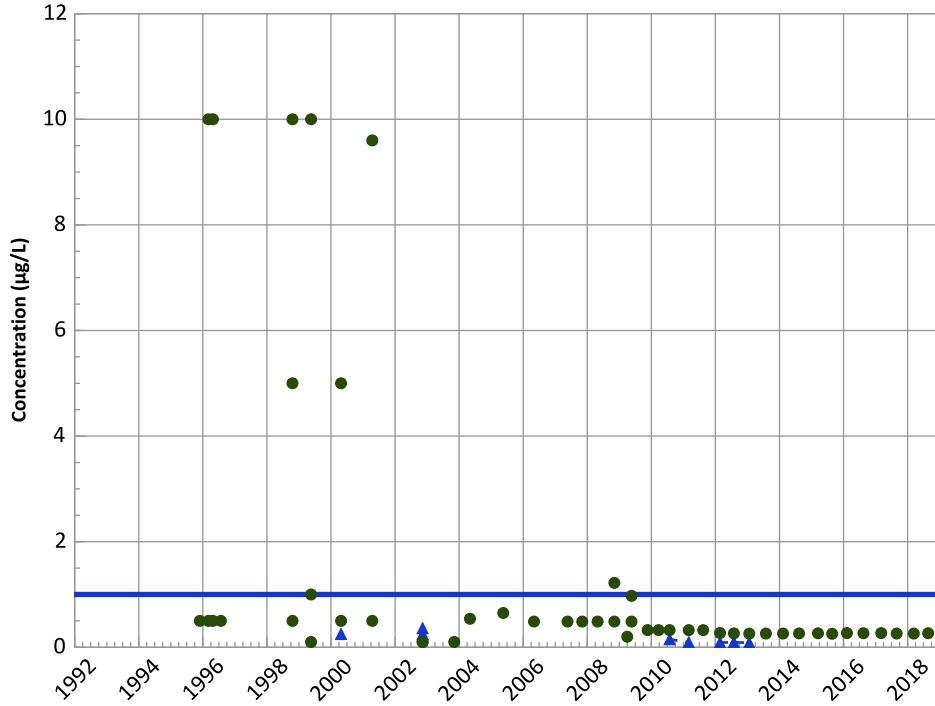
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

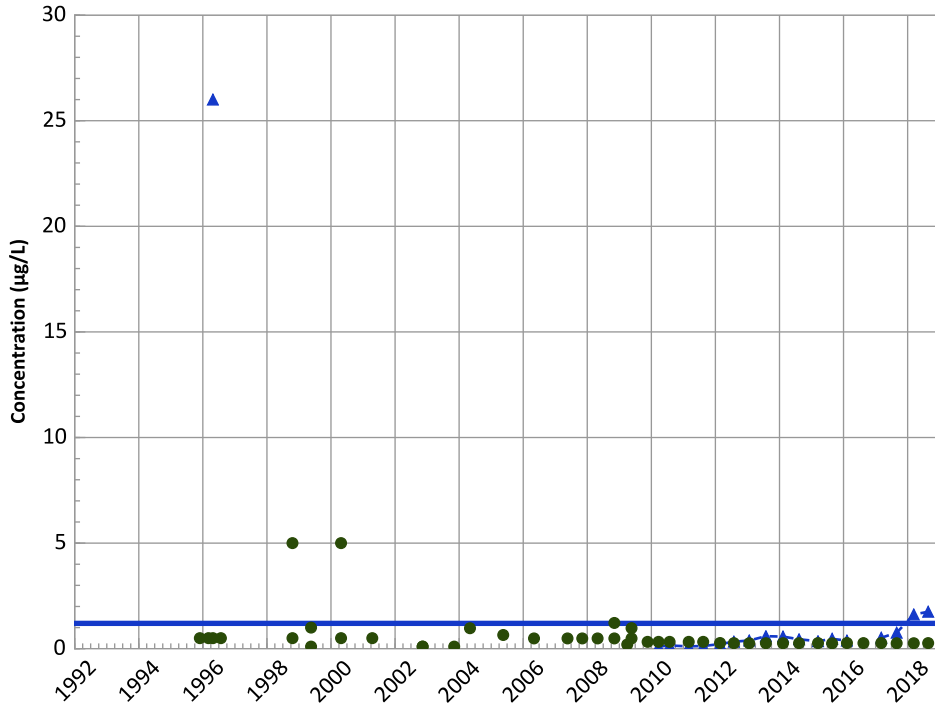


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

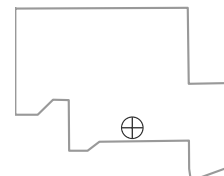
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
No Trend
All Data:
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

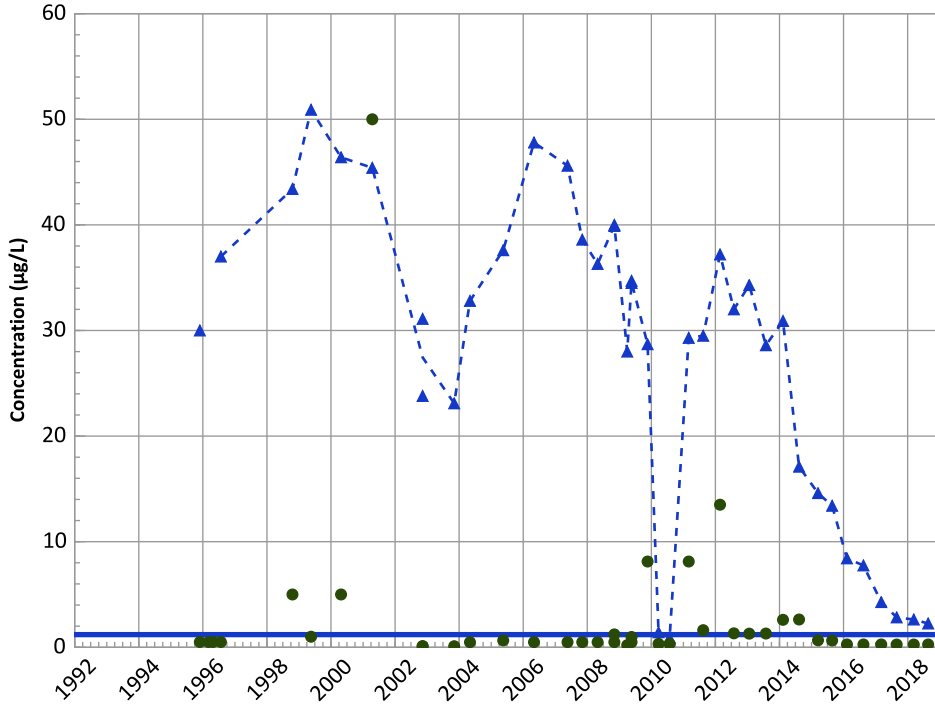
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

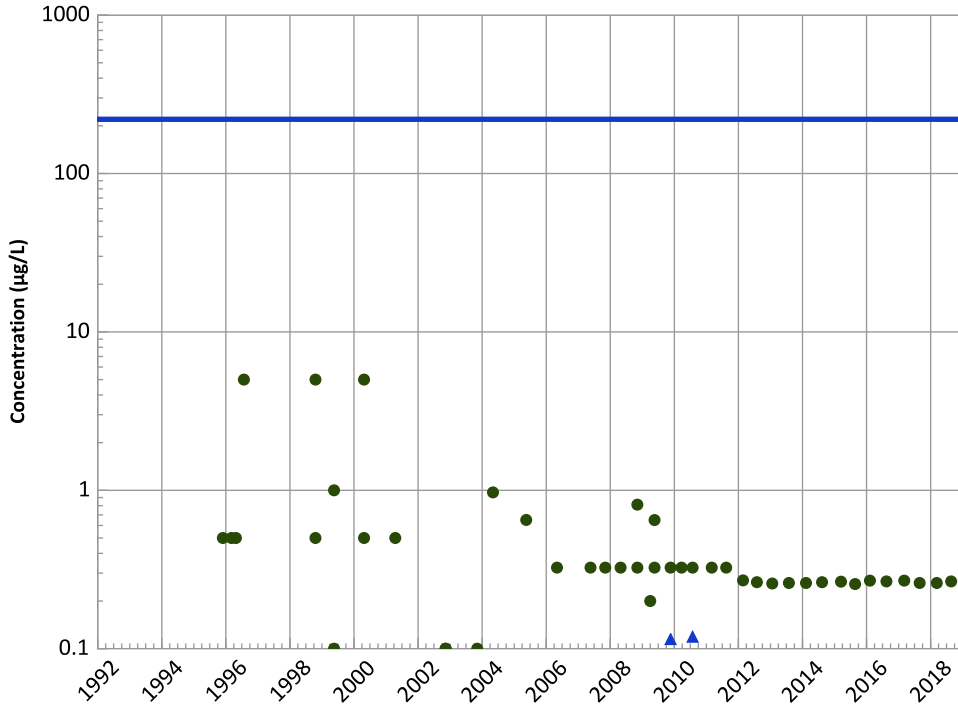
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

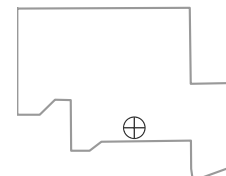
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

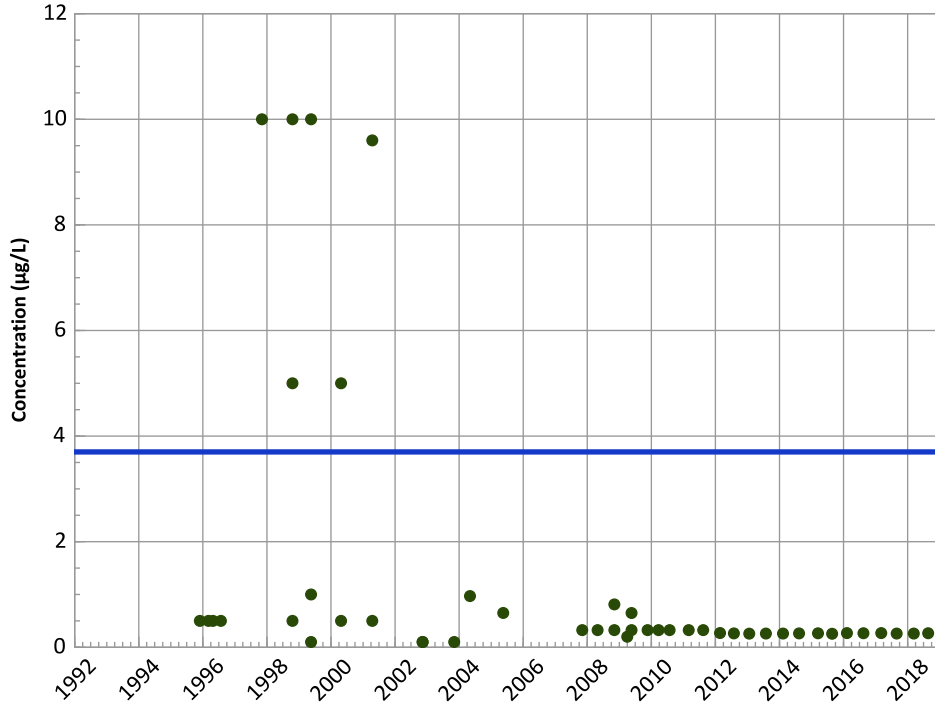
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

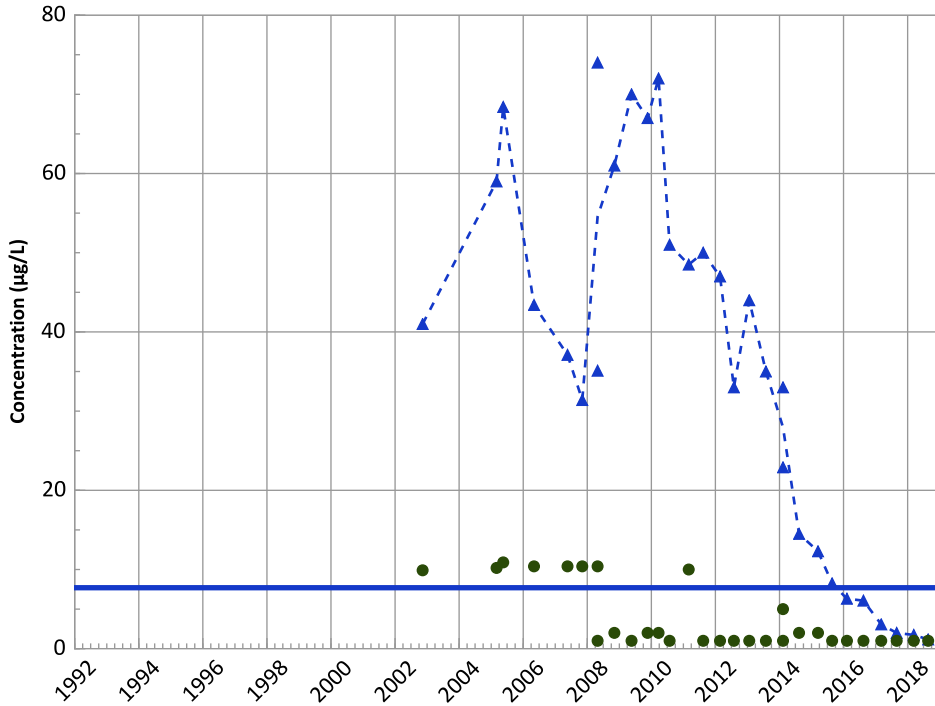
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

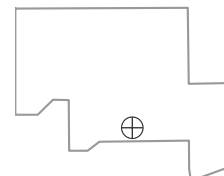
All Data:

Decreasing

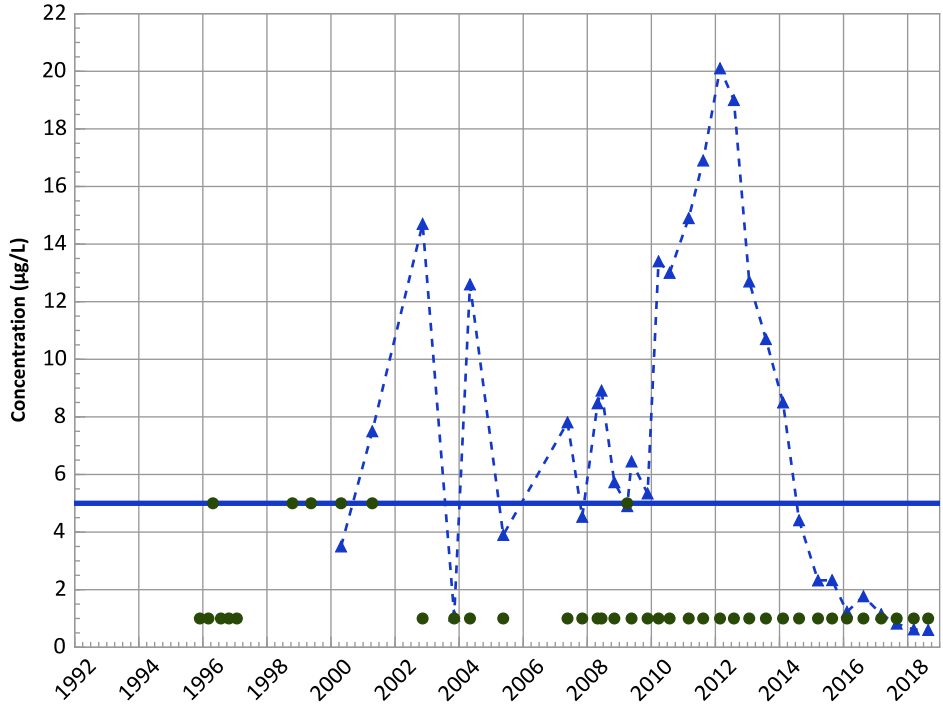
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

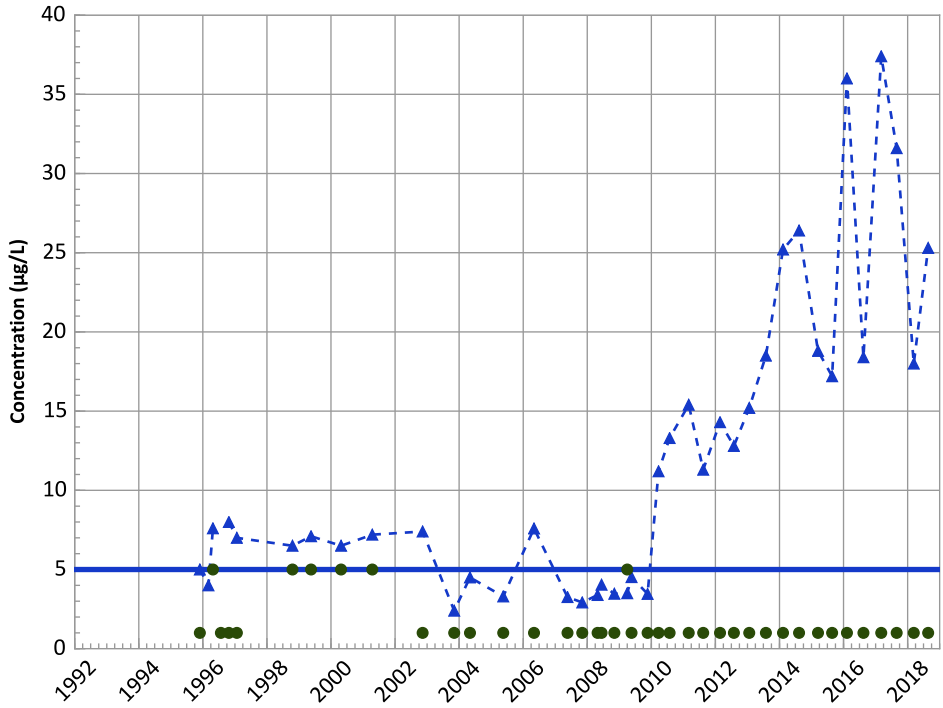
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

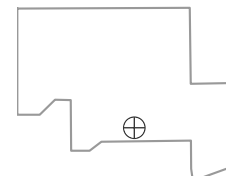
All Data:

Increasing

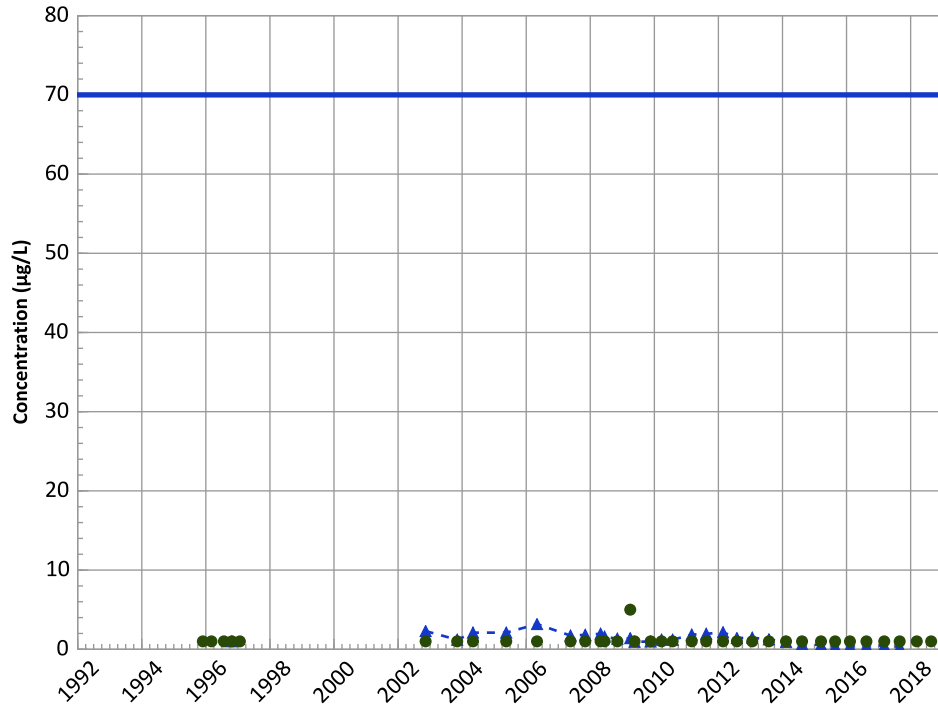
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

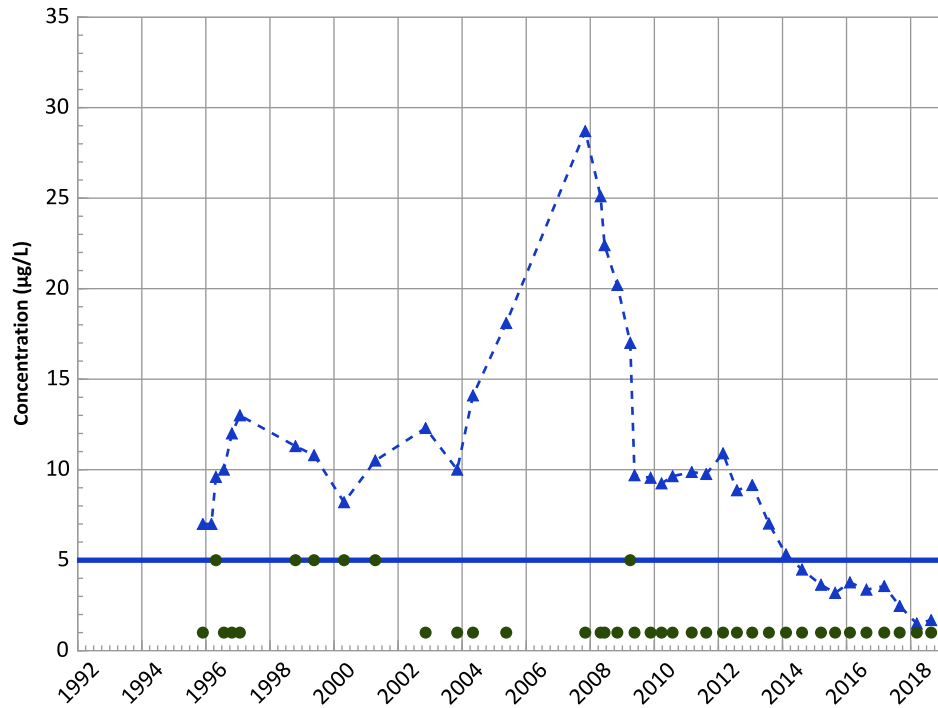
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

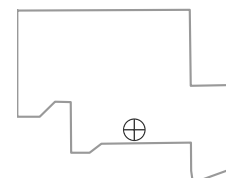
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

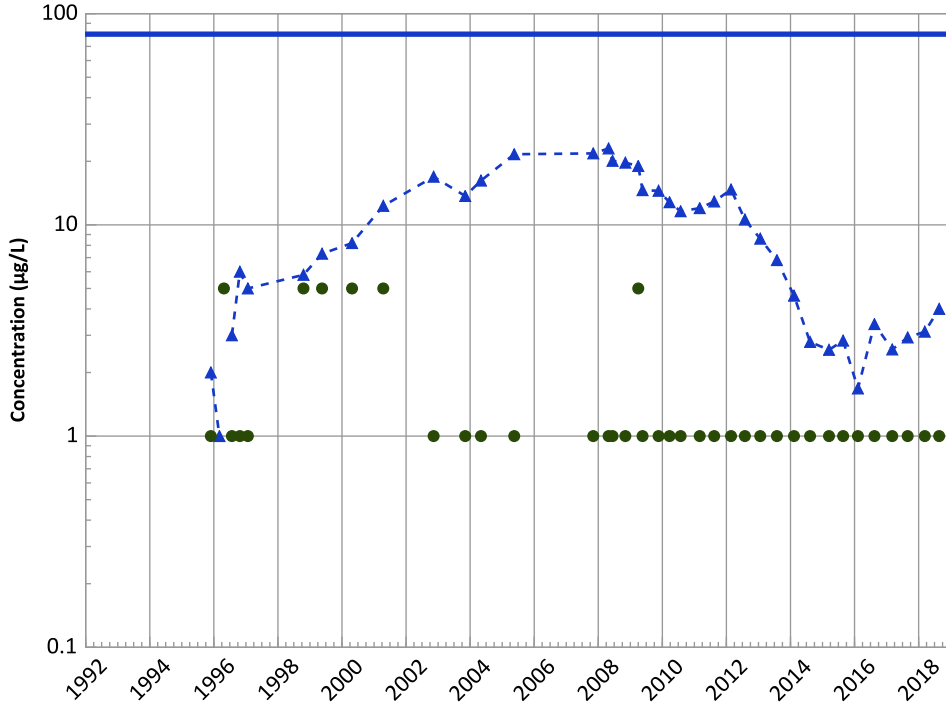


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

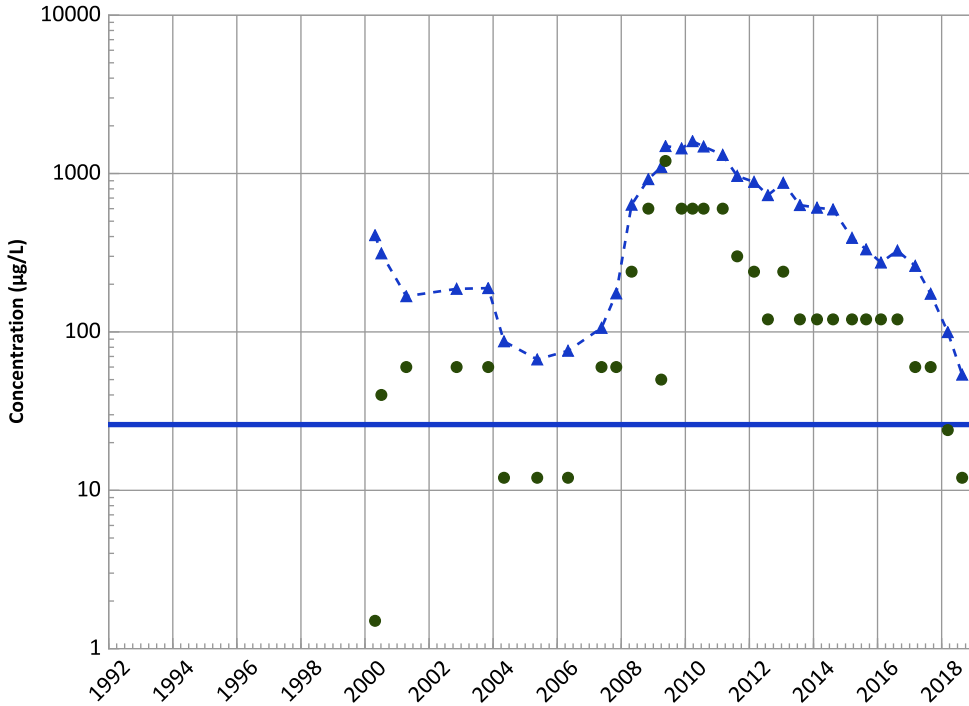
Data (2017 - 2021):

Decreasing

All Data:

Stable

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

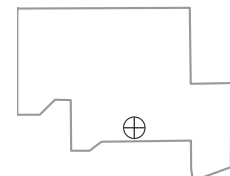
Data (2017 - 2021):

Decreasing

All Data:

No Trend

Well Location

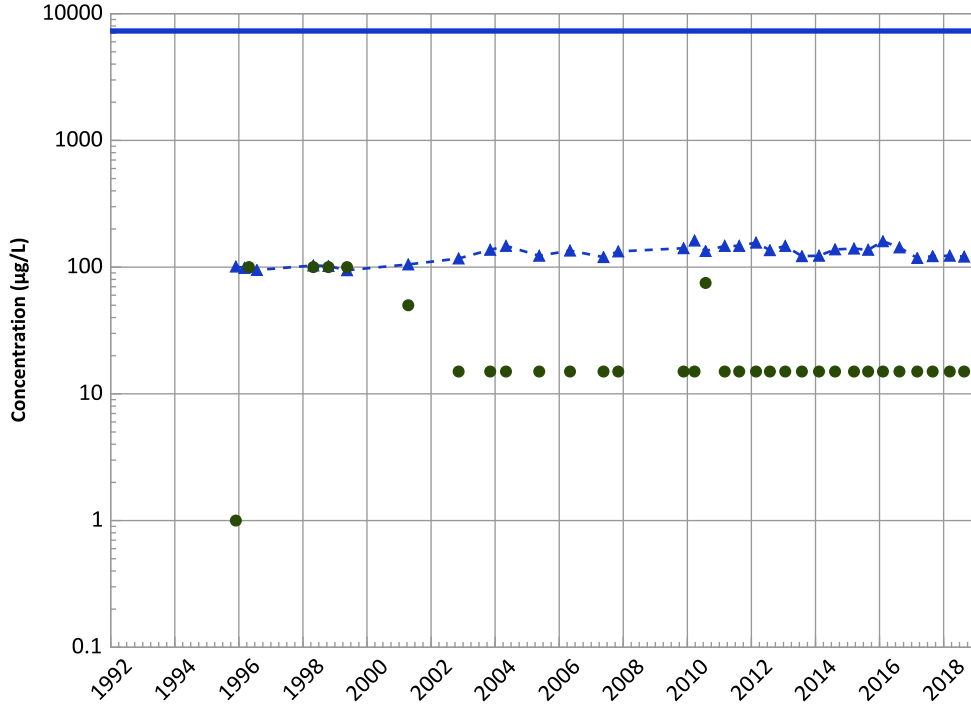


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1006 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

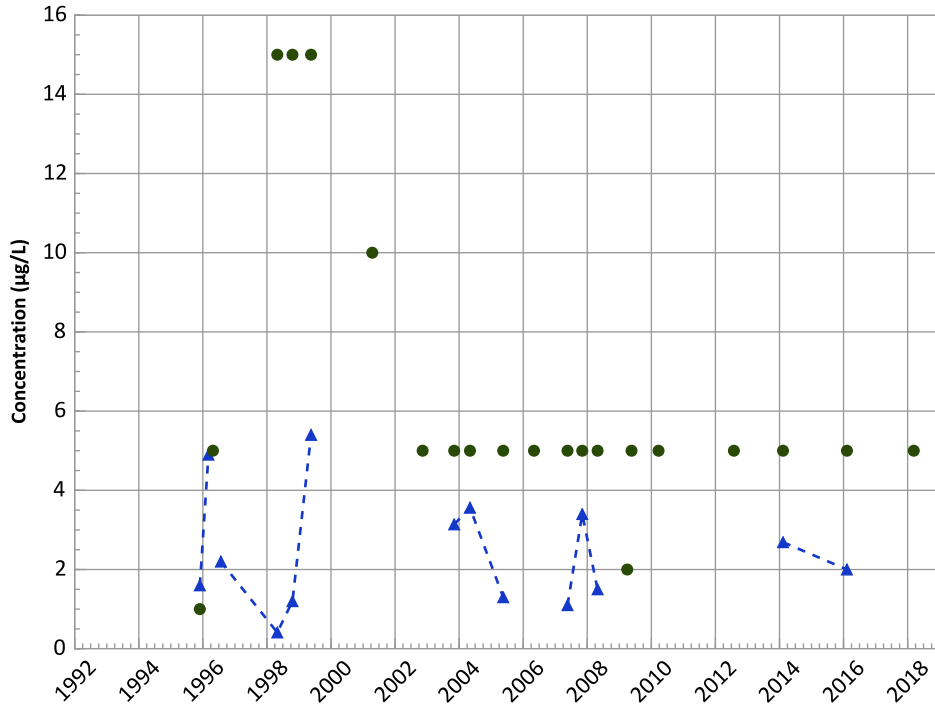


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

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

Manganese Trend



Concentration Trend

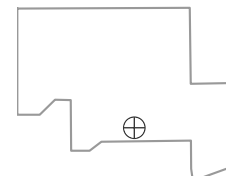
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

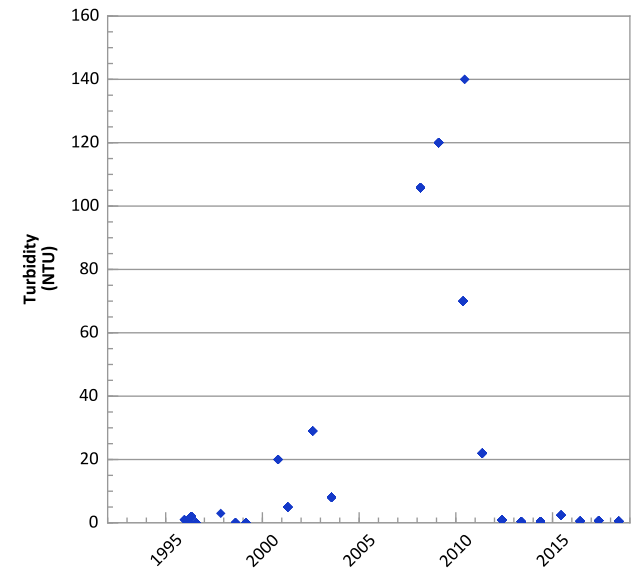
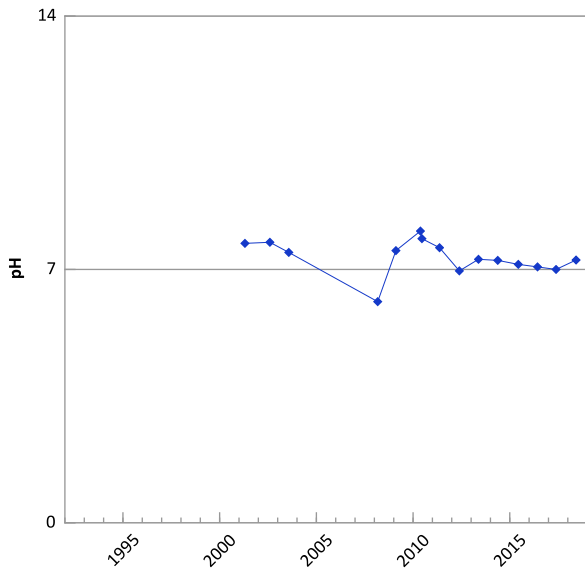
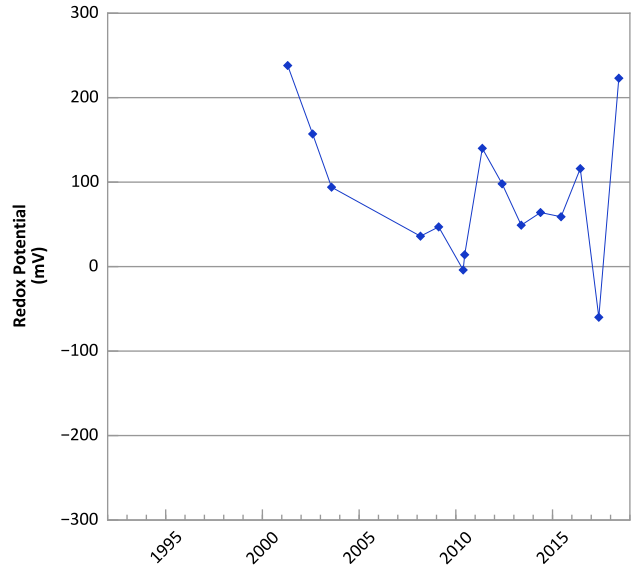
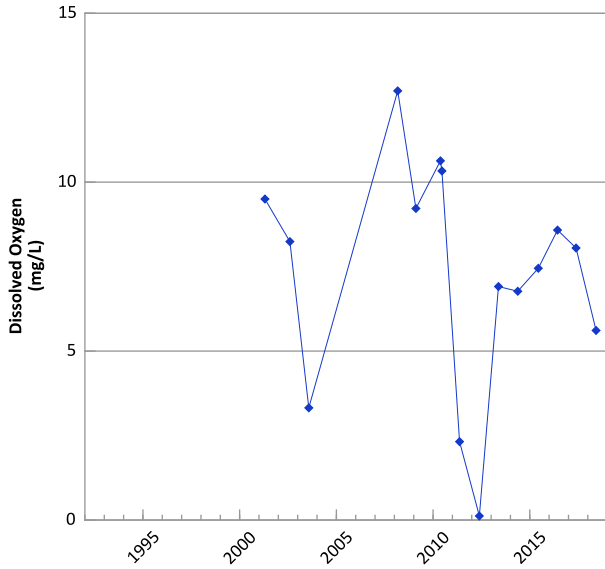
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/28/1995 to 08/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

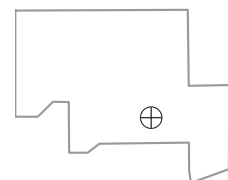


**PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



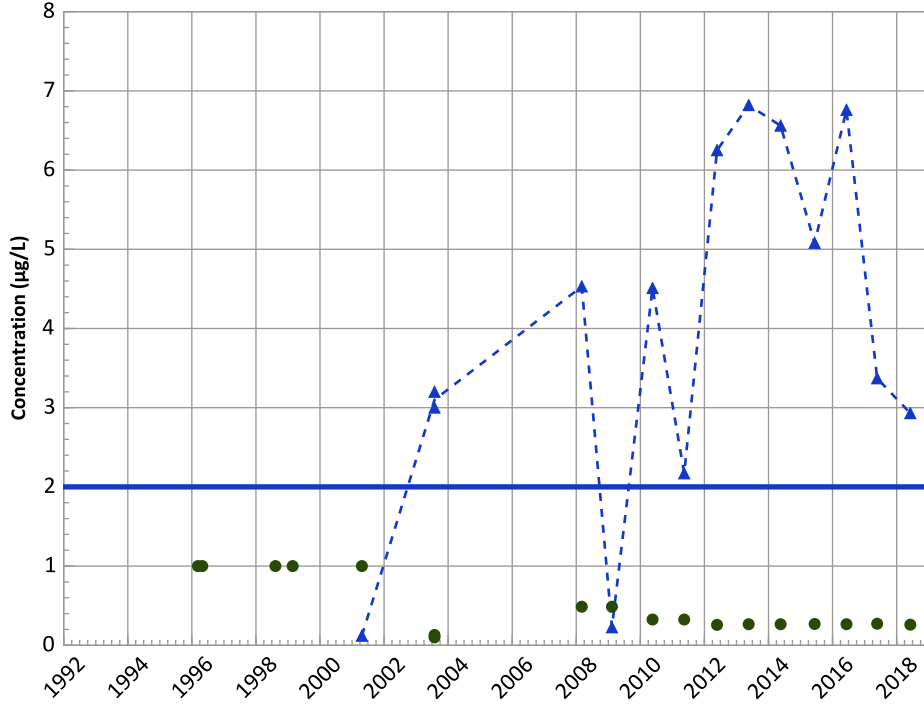
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 12/20/1995 to 06/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

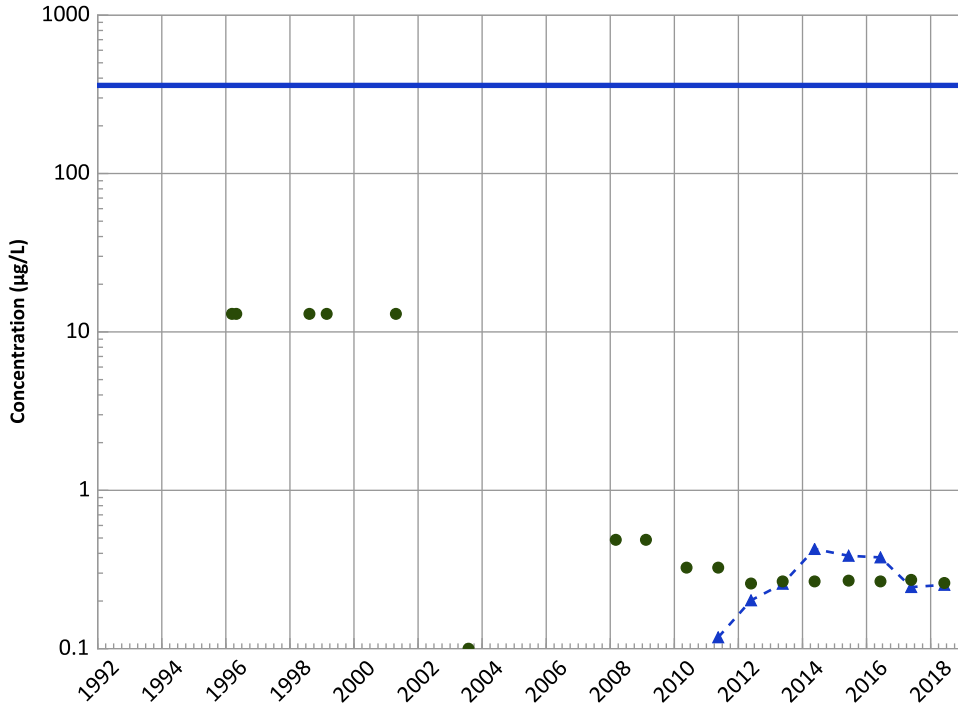


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Stable
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

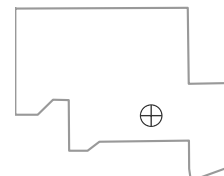
MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

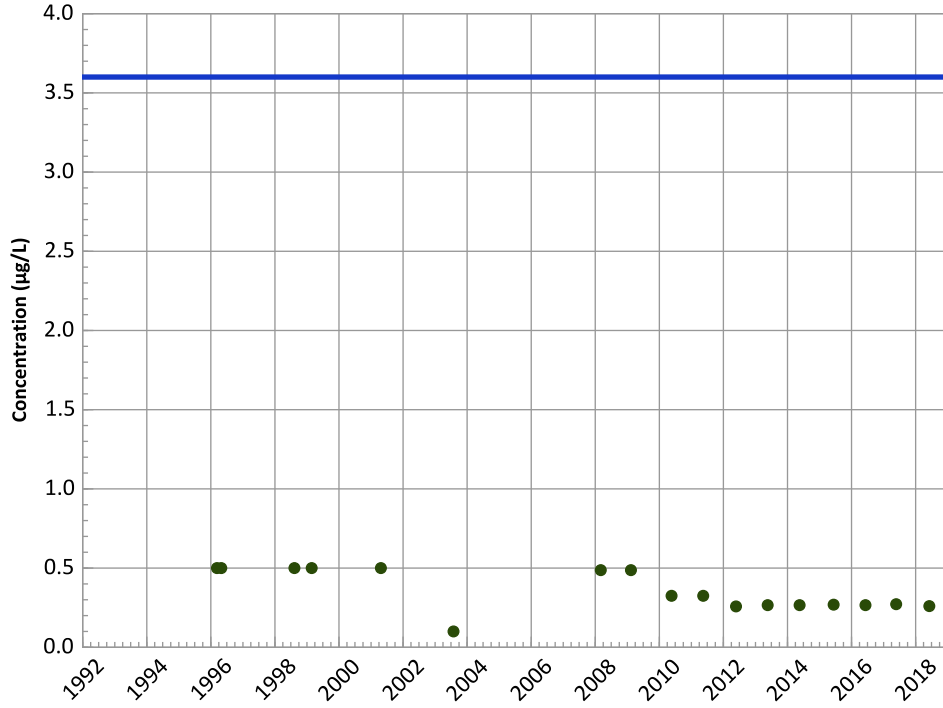
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

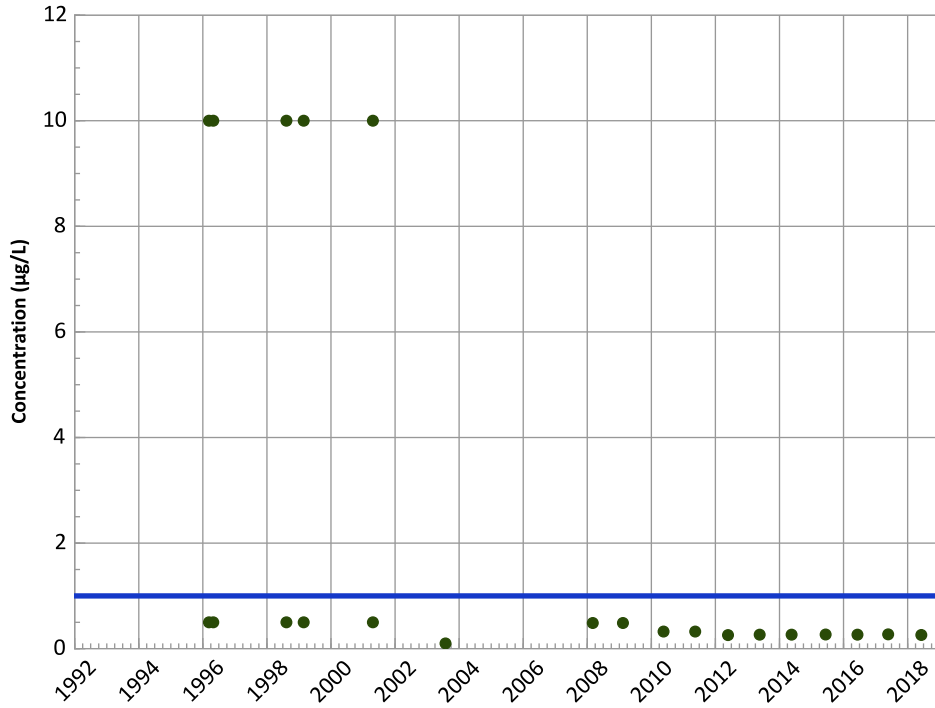
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

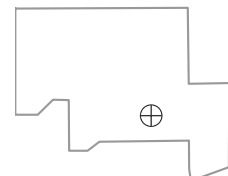
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

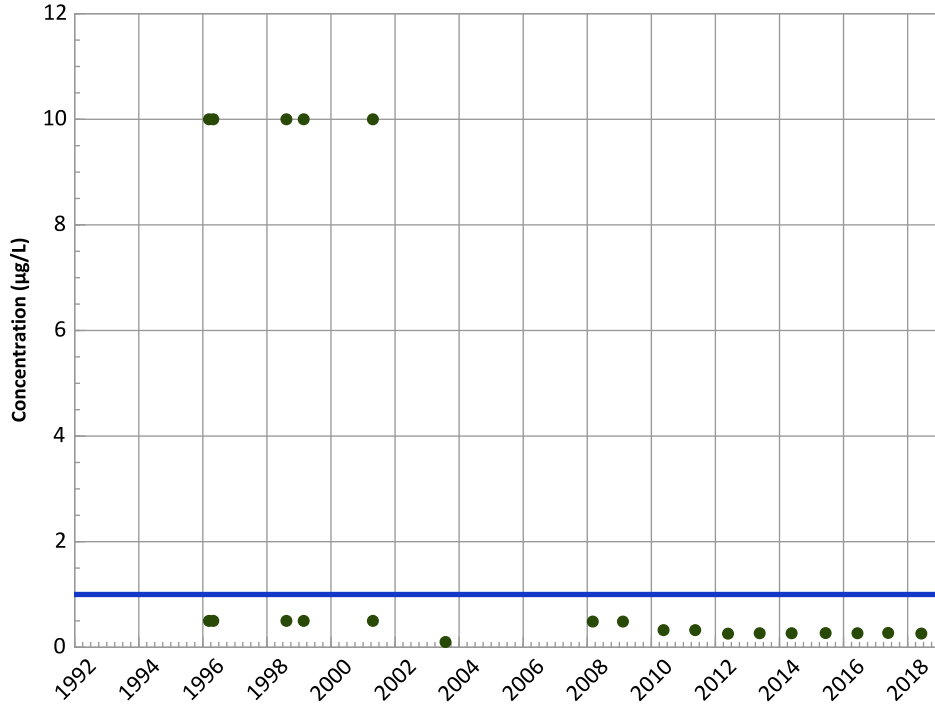
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

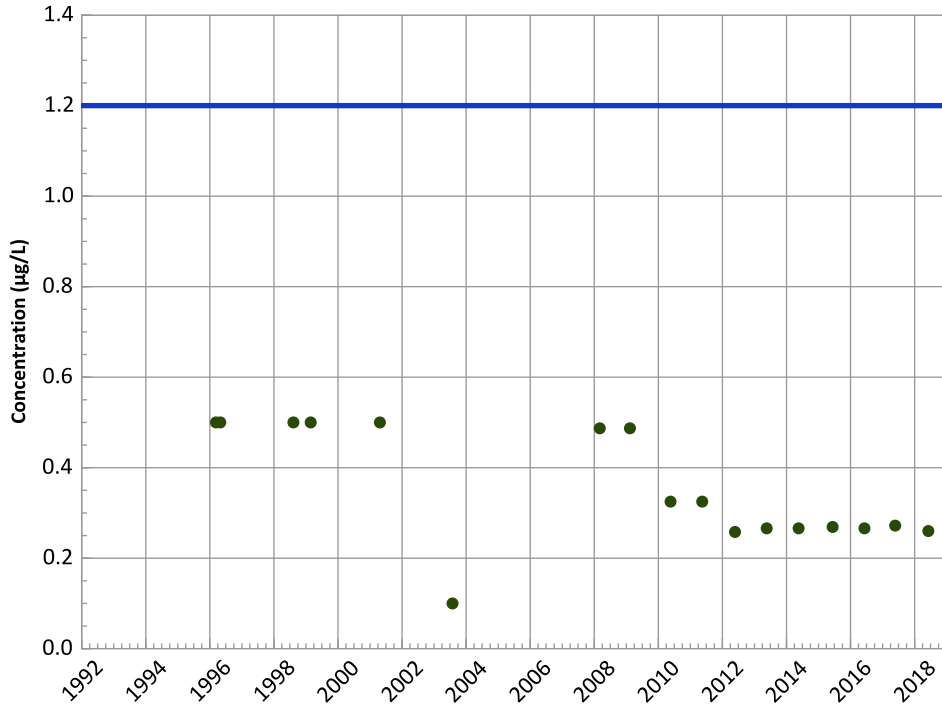
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

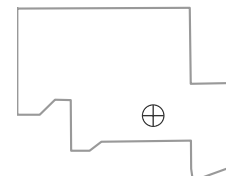
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

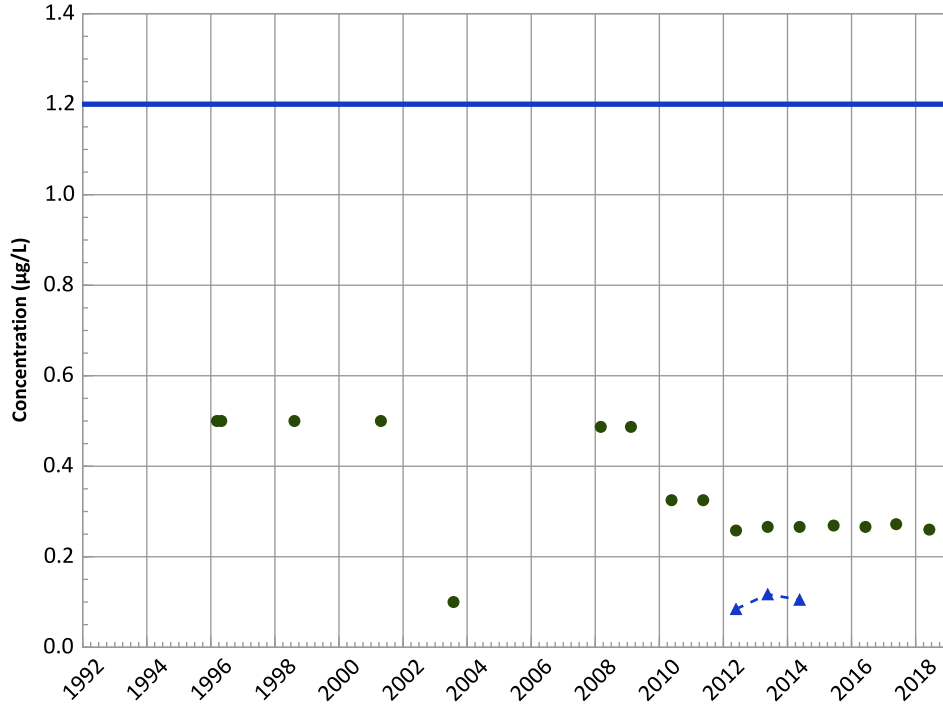


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

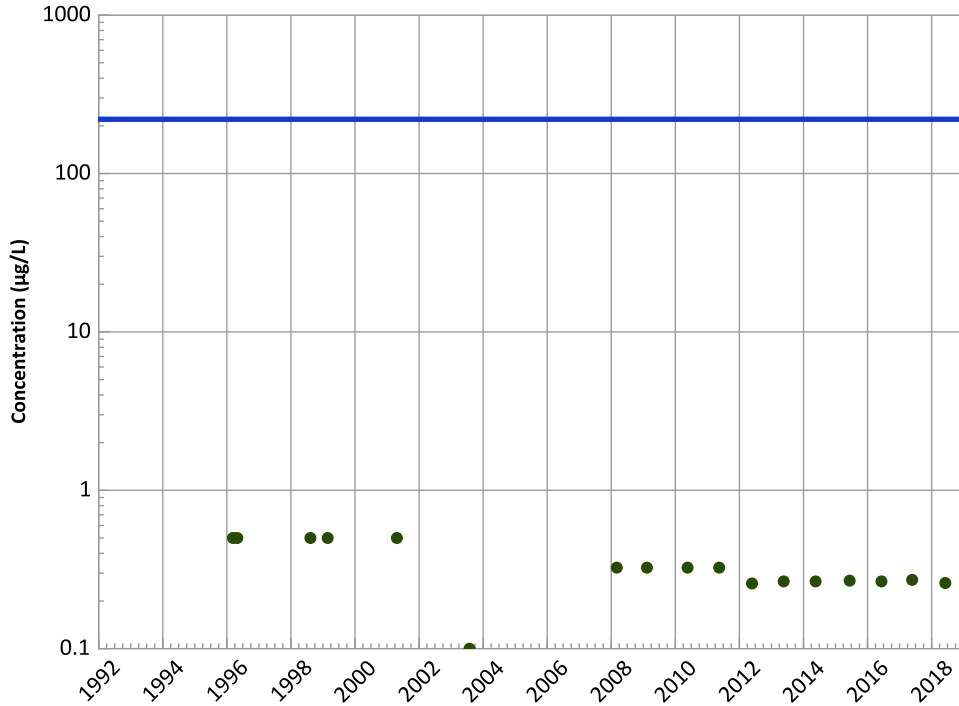


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

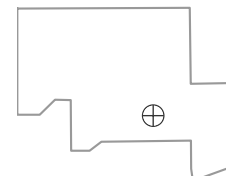
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

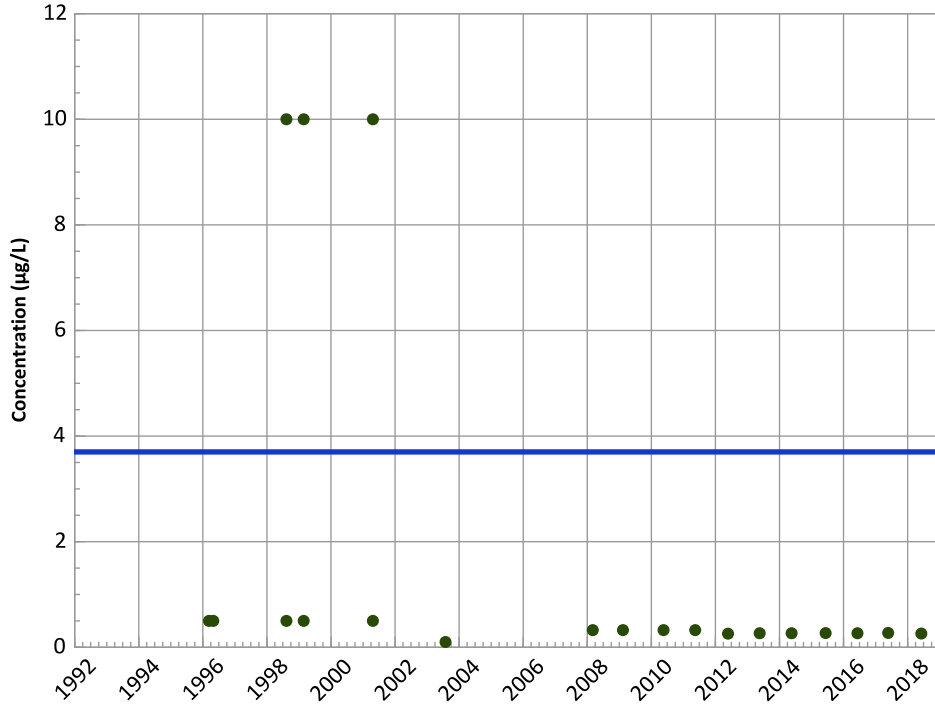
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

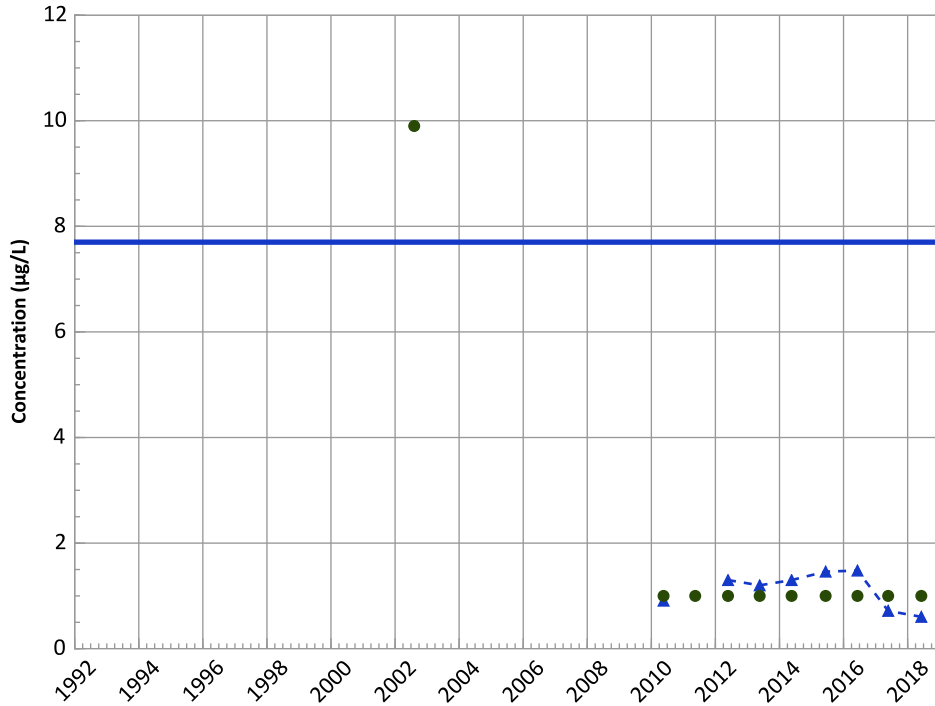
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

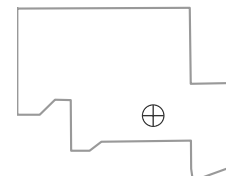
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

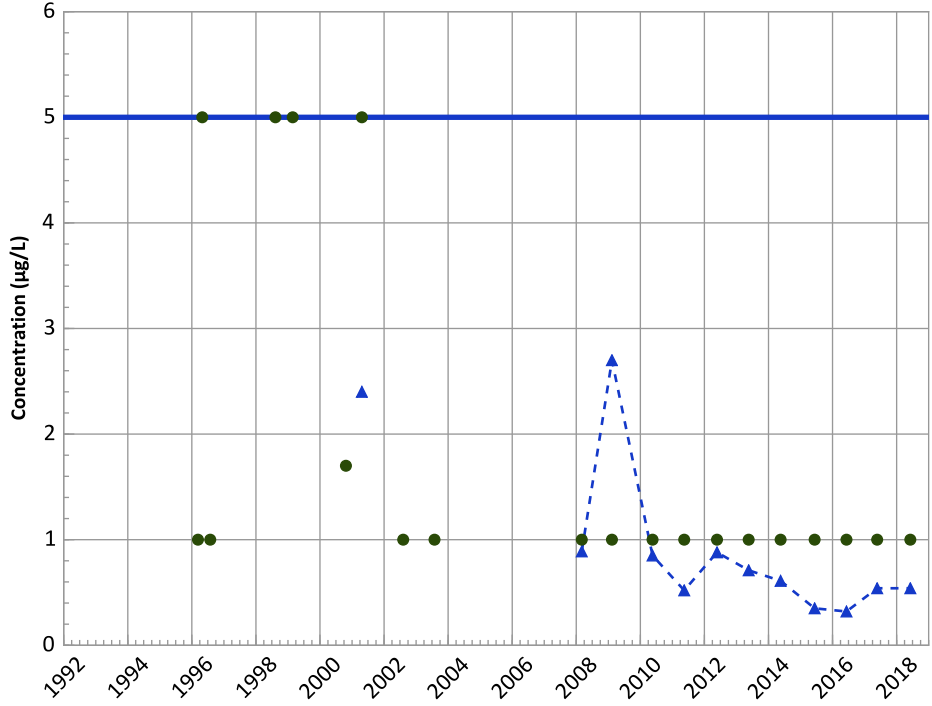
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

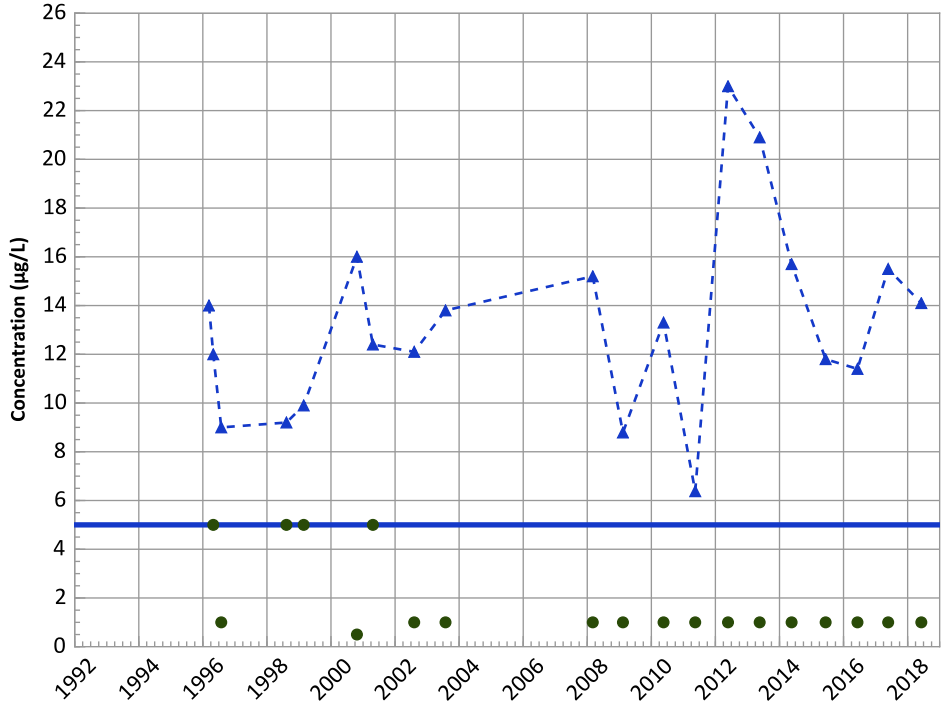
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

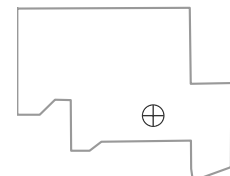
Data (2017 - 2021):

Decreasing

All Data:

No Trend

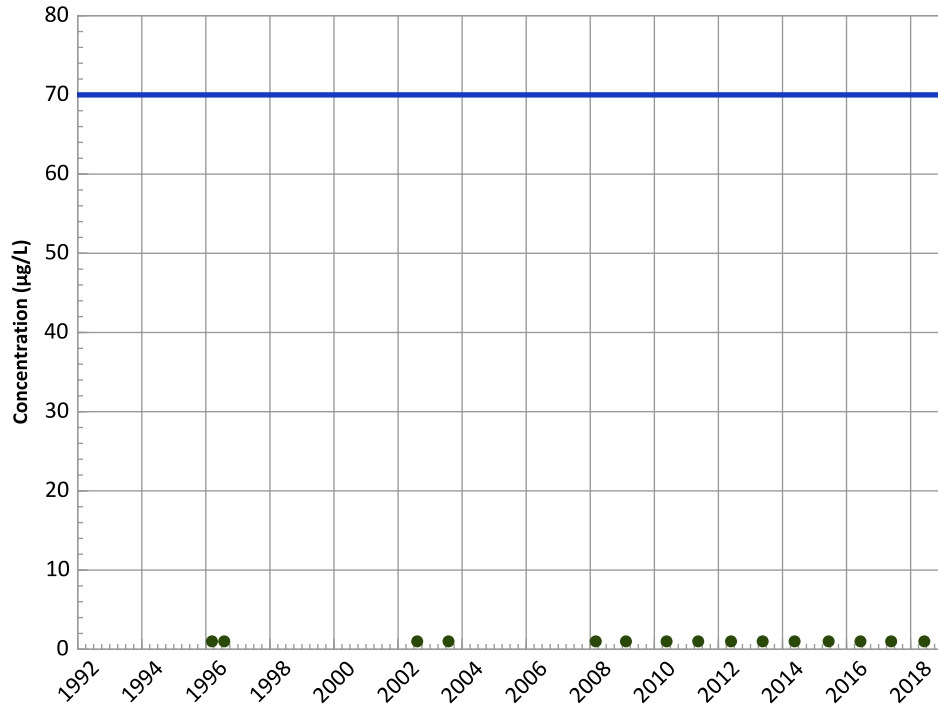
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

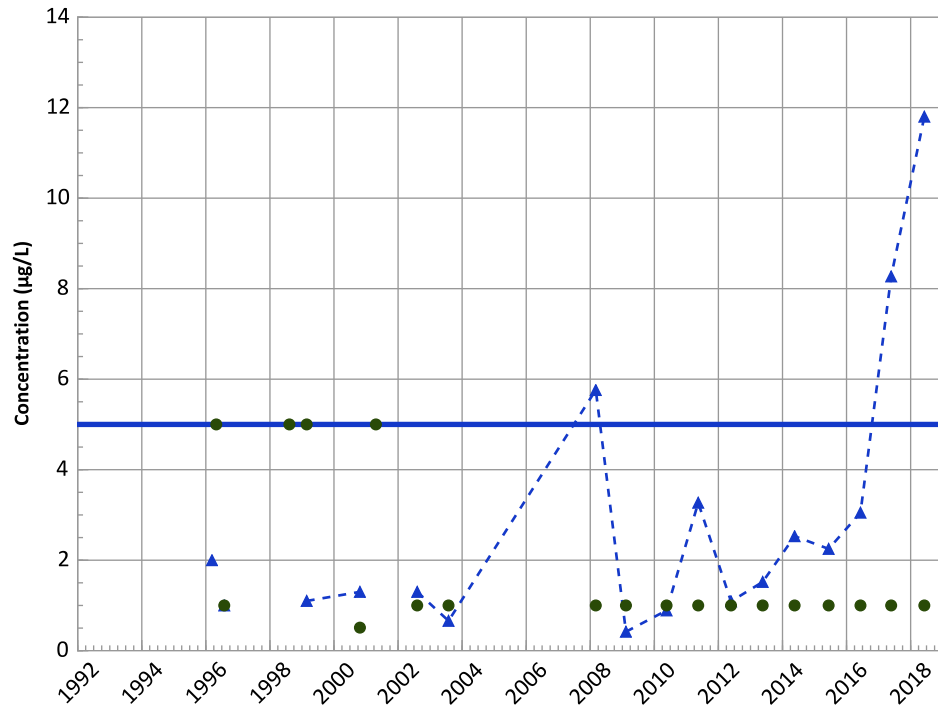
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

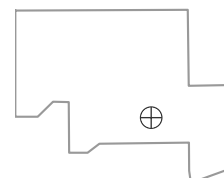
All Data:

Increasing

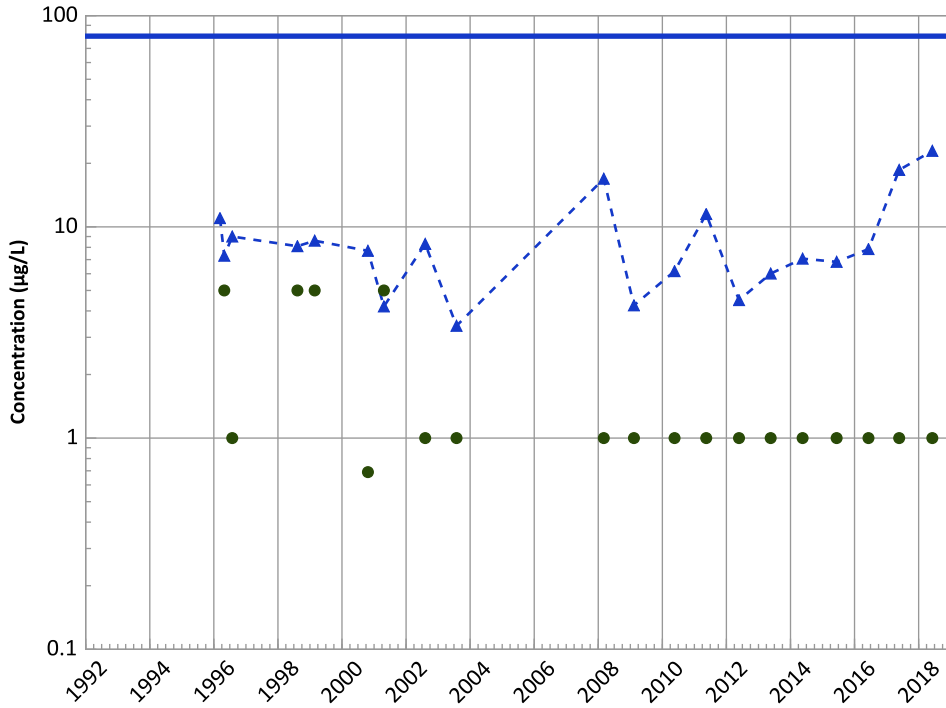
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

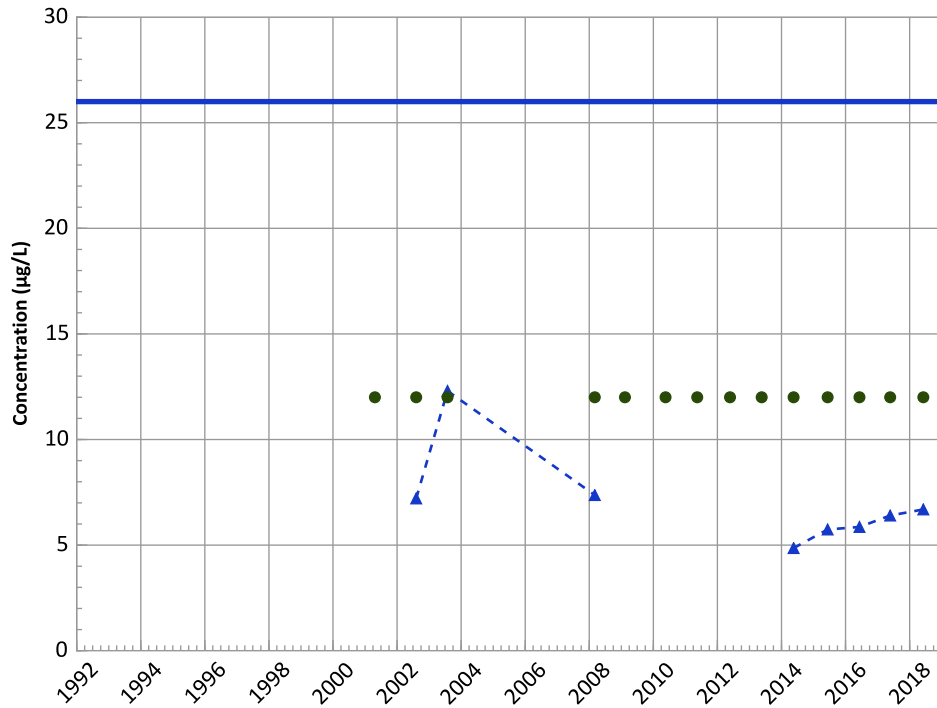


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

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

Perchlorate Trend

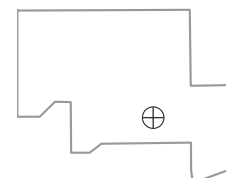


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

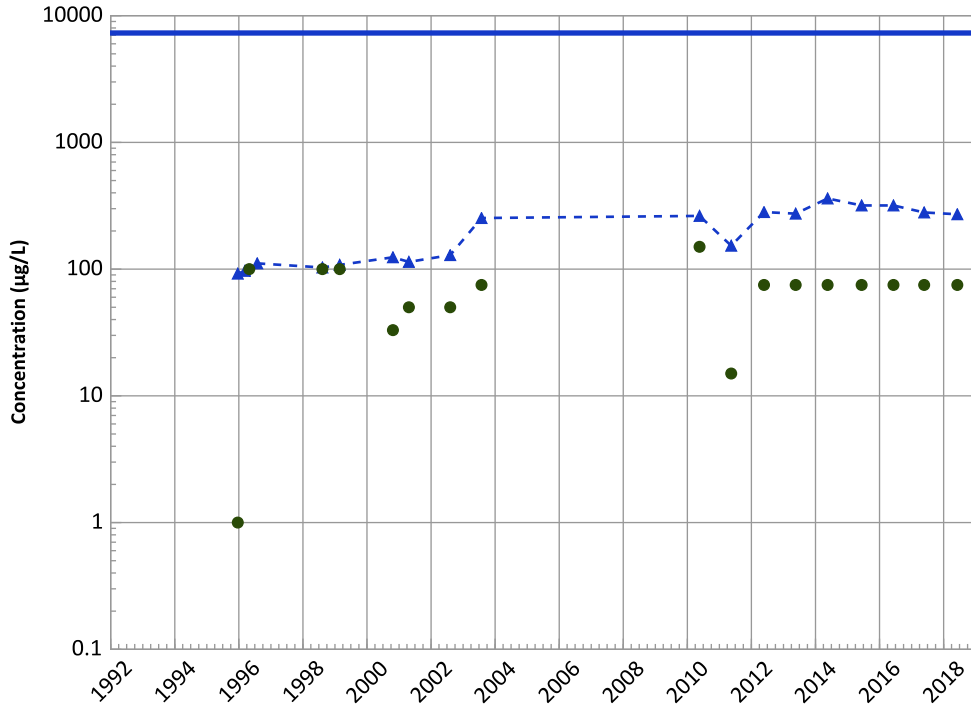


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

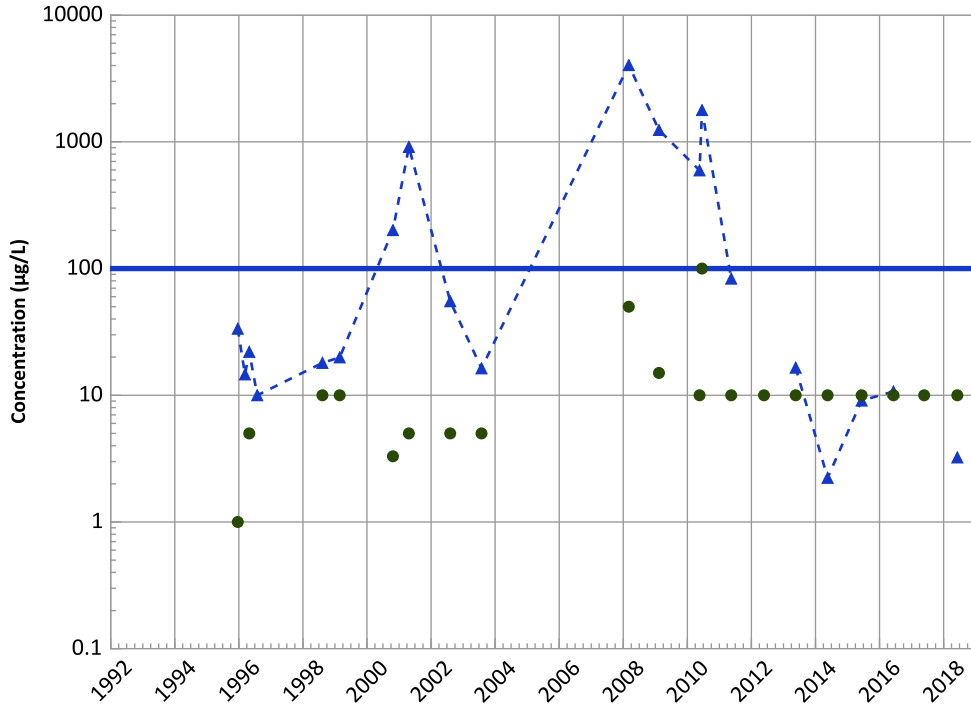
Data (2017 - 2021):

No Trend

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

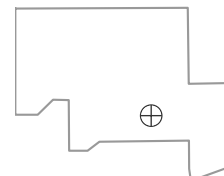
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

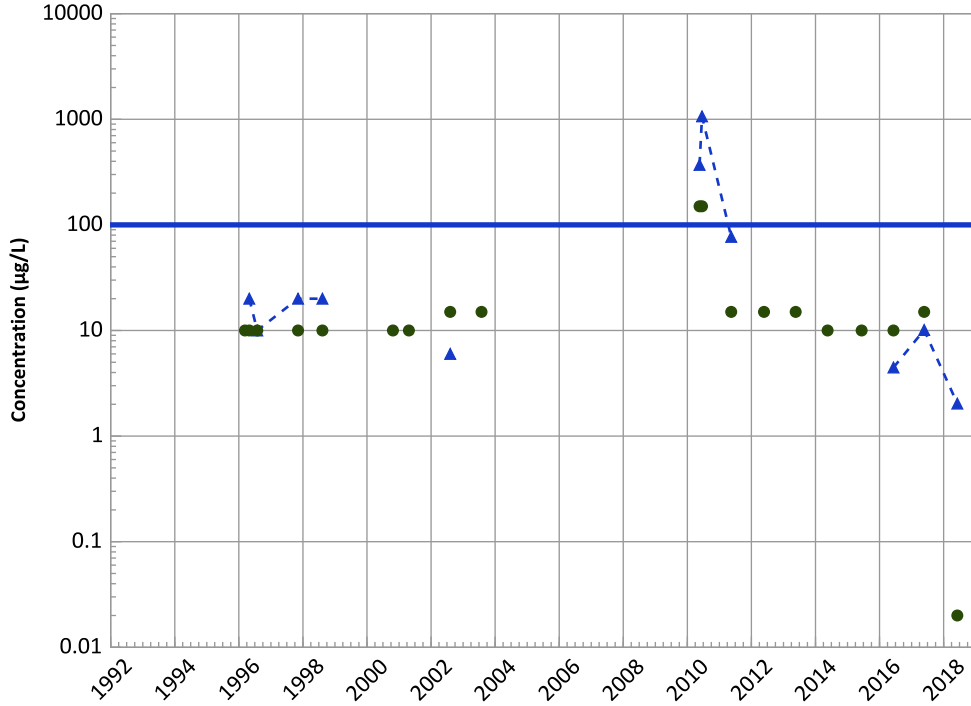
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1007 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

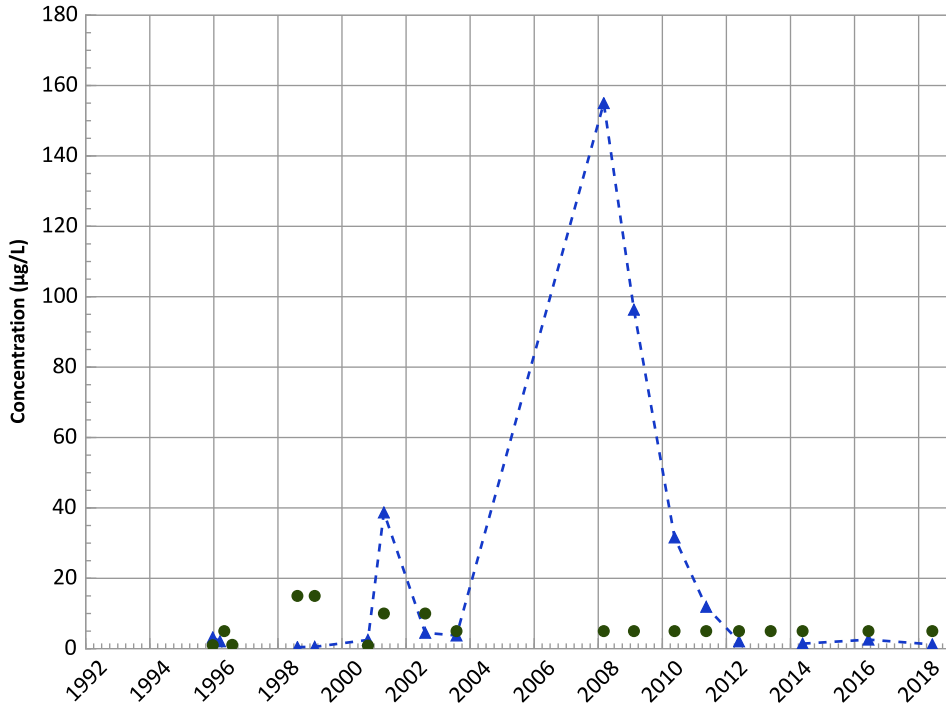


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Manganese Trend



Concentration Trend

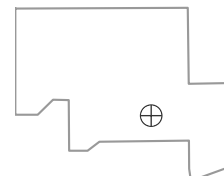
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

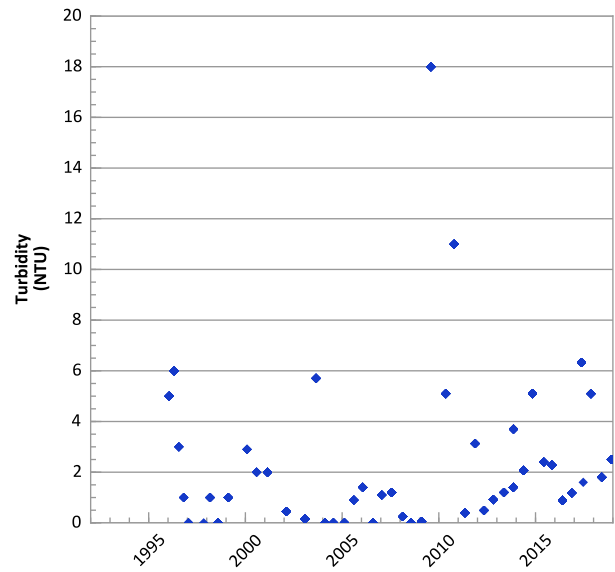
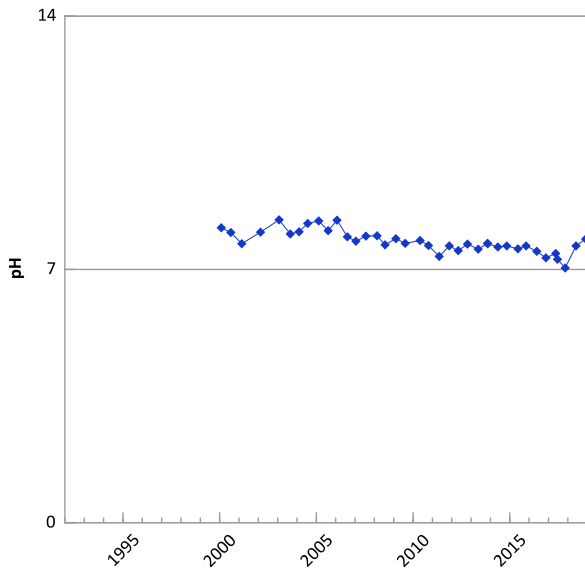
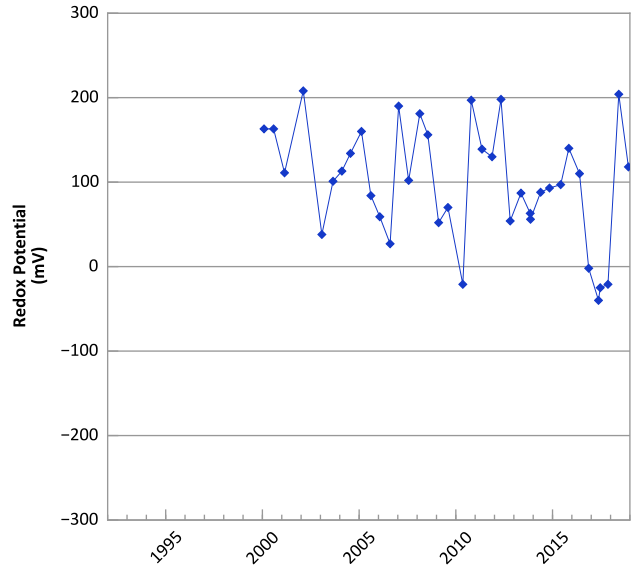
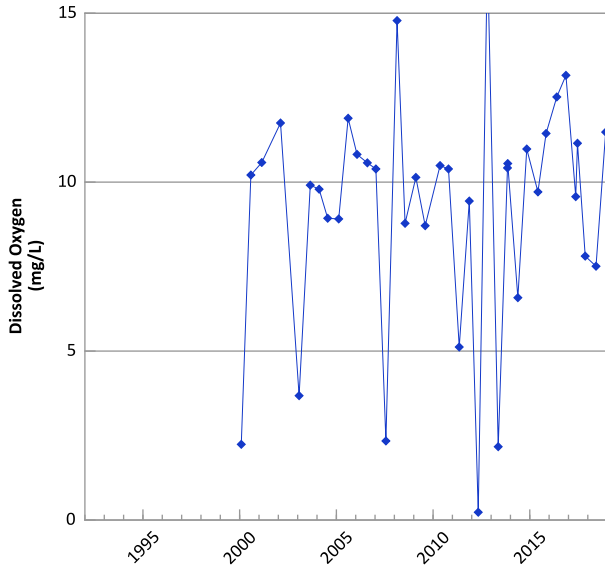
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 12/20/1995 to 06/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

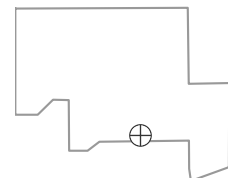


**PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



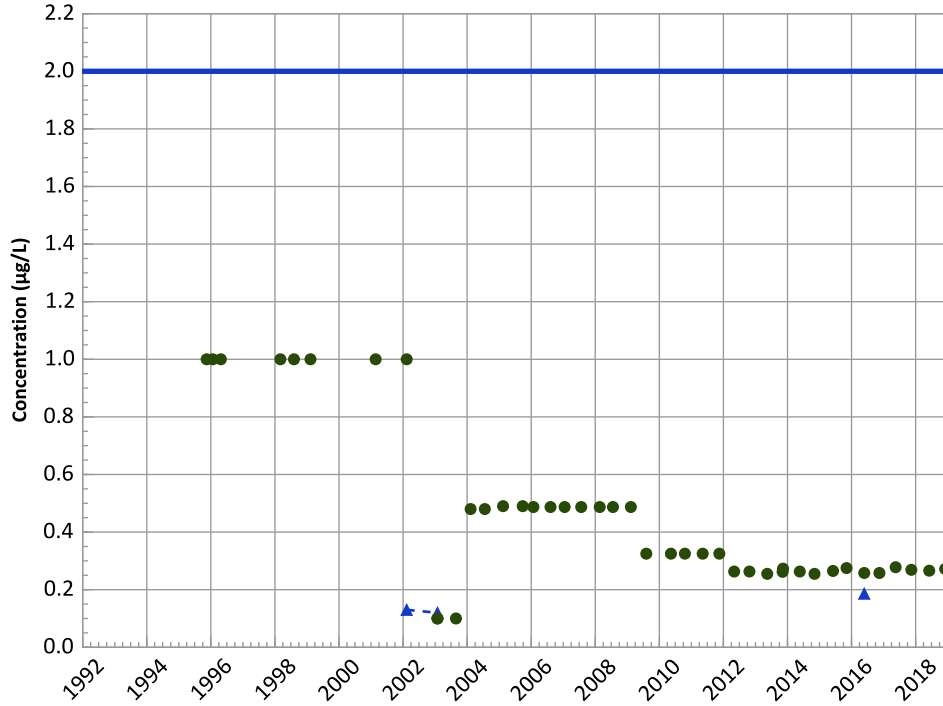
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

Well Location



PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

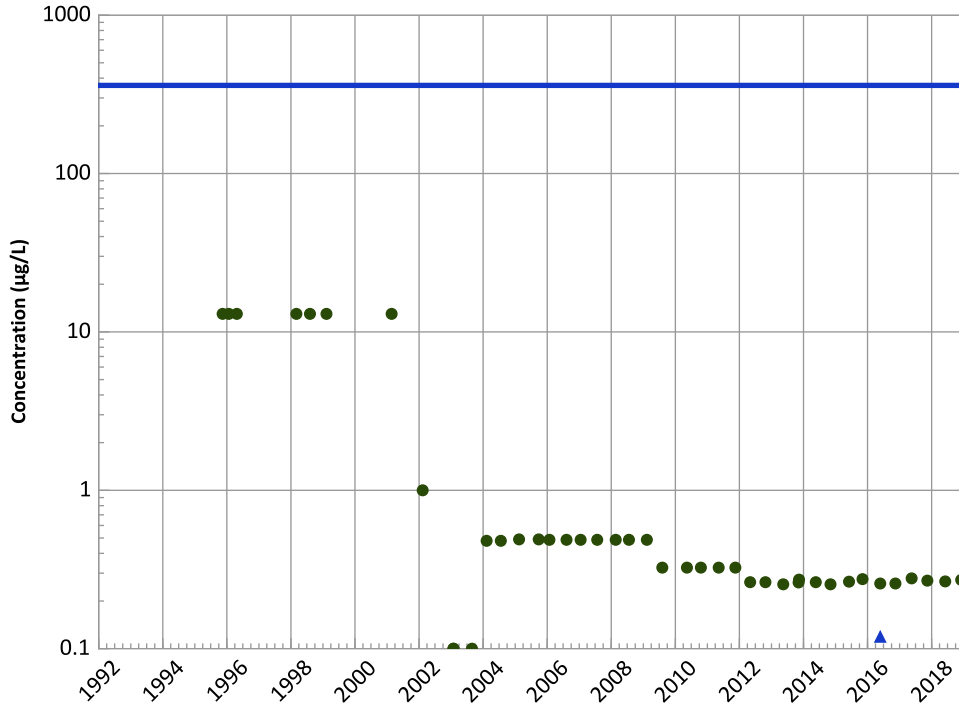


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

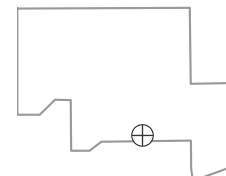
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

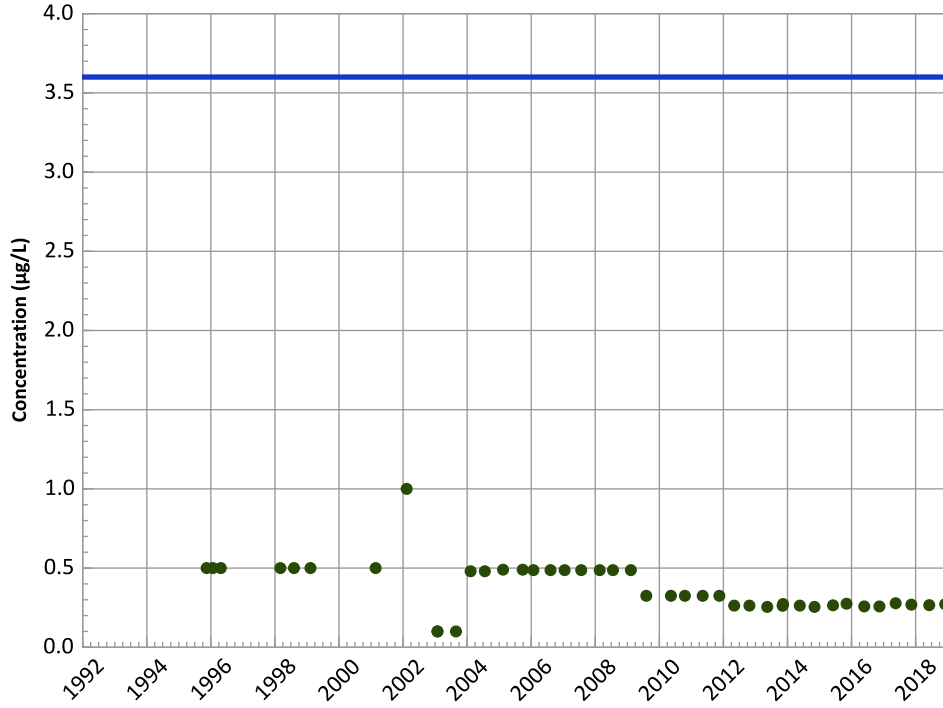
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

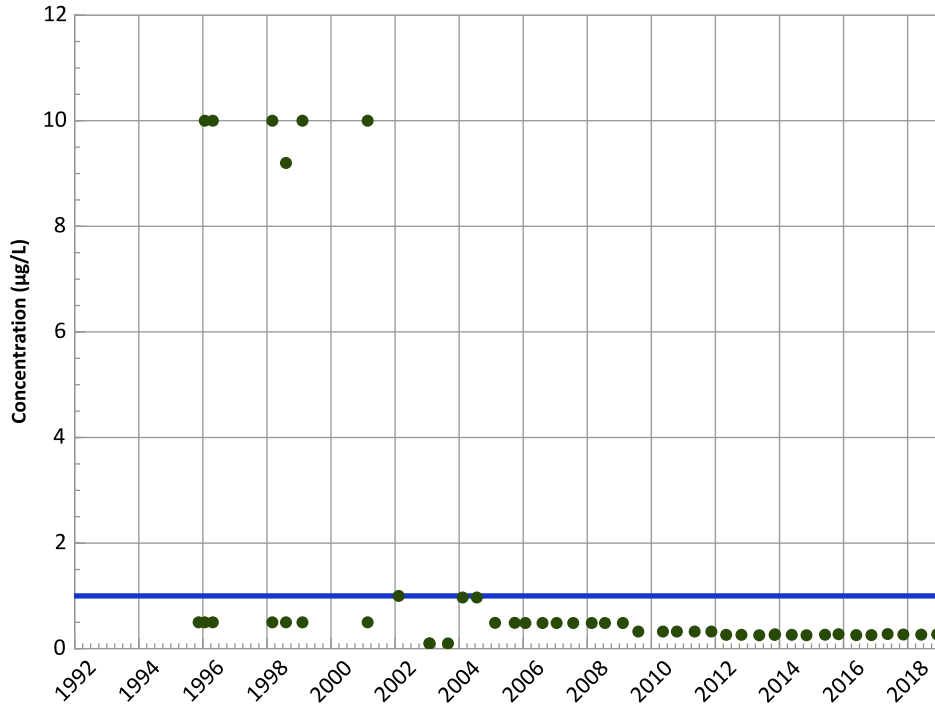
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

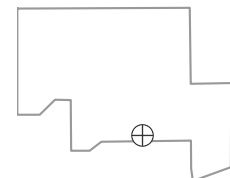
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

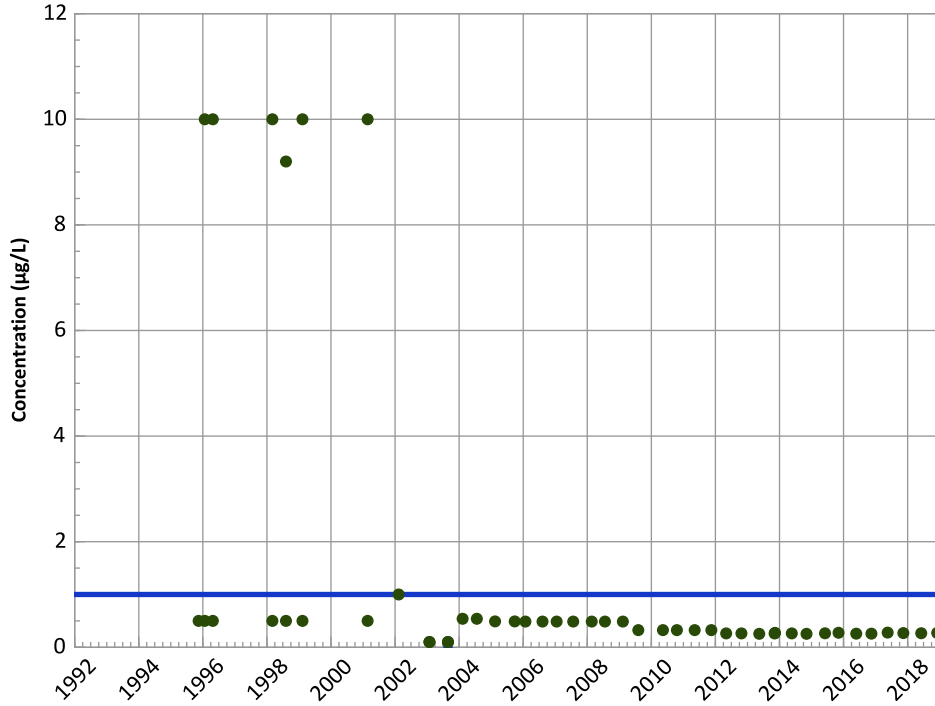
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

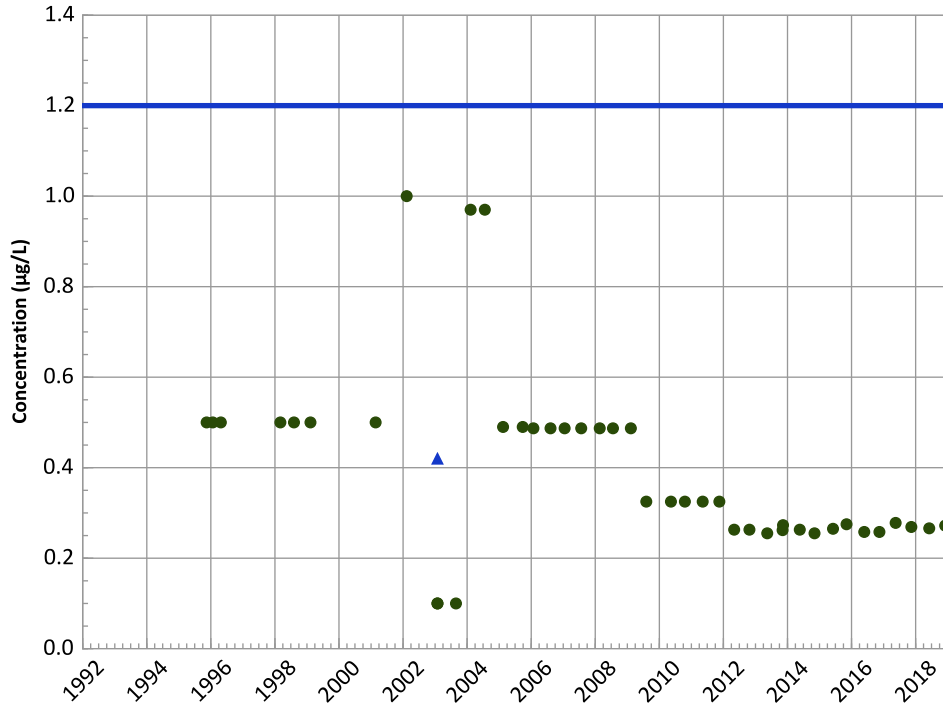
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

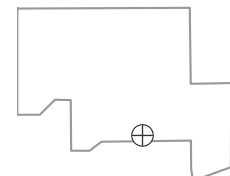
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

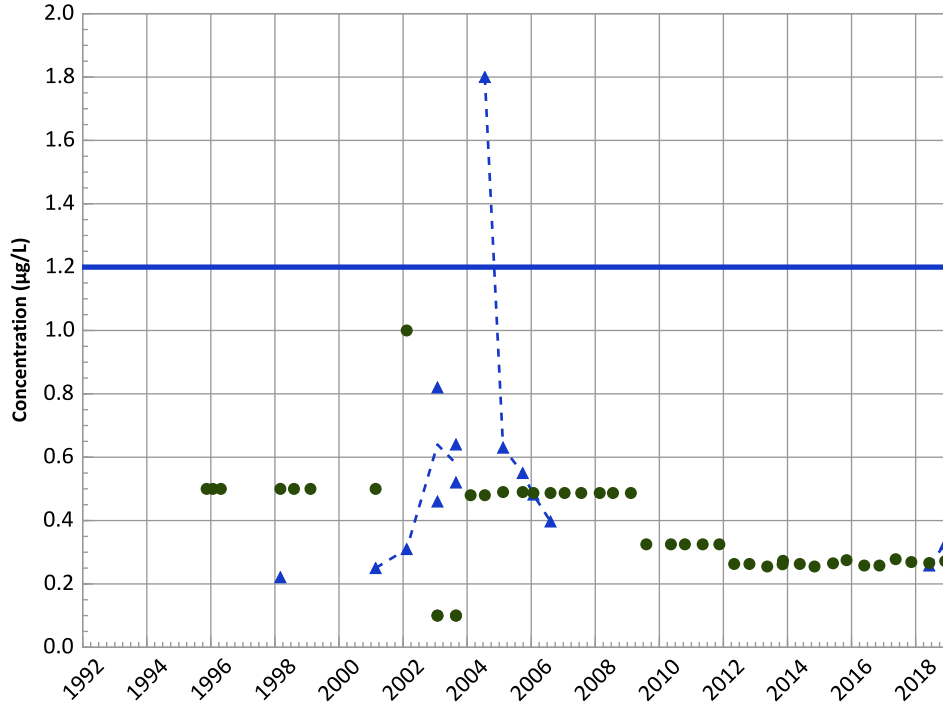
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

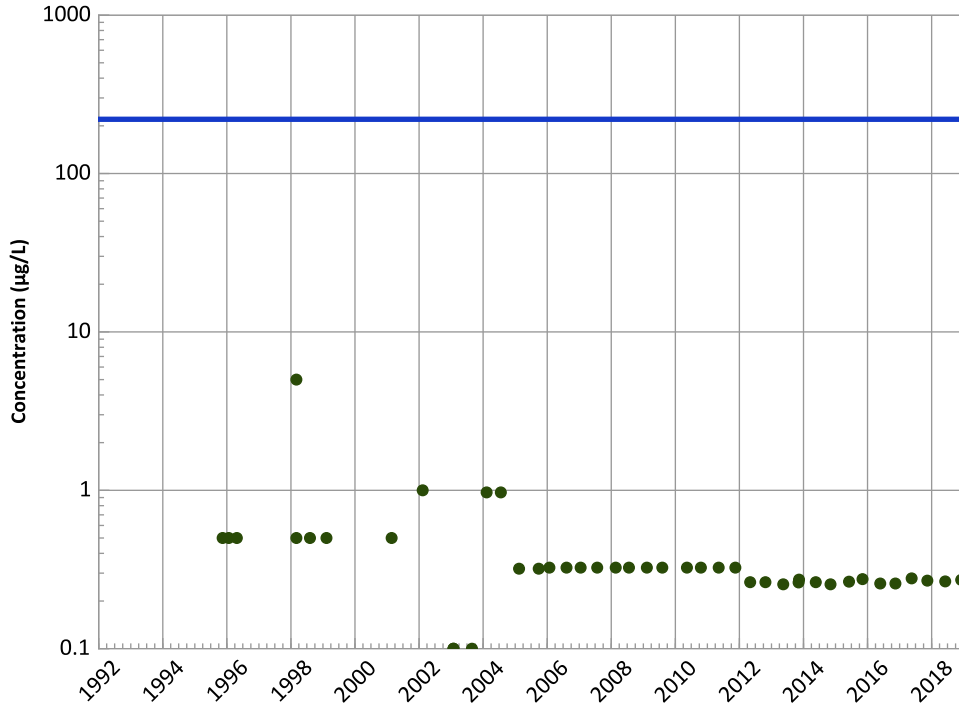
Data (2017 - 2021):

All Non-Detect

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

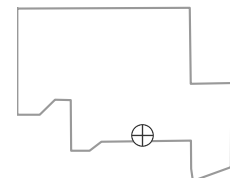
All Data:

All Non-Detect

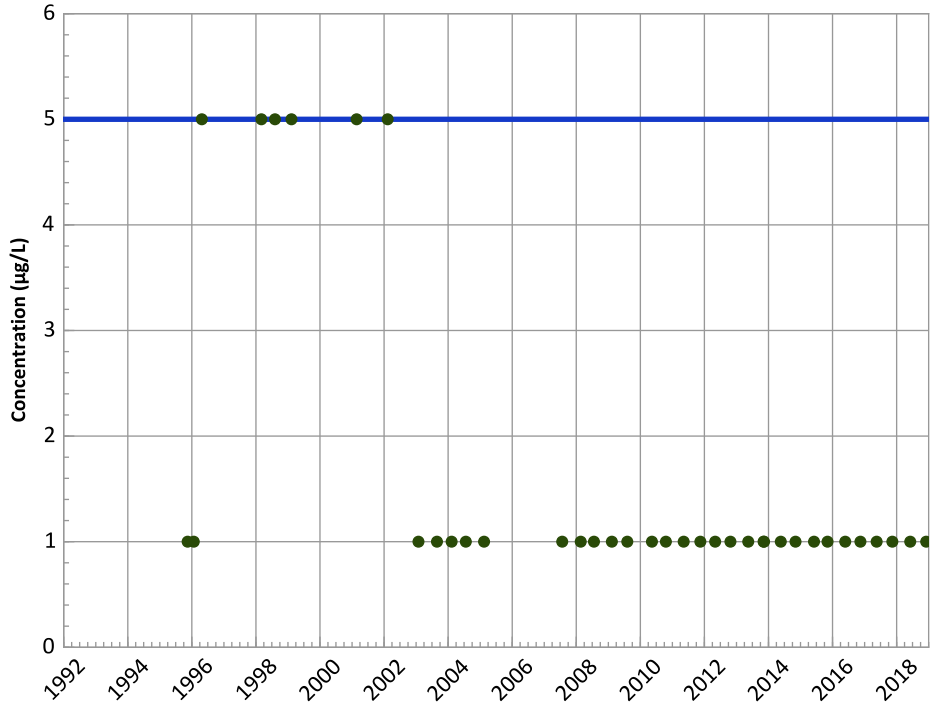
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

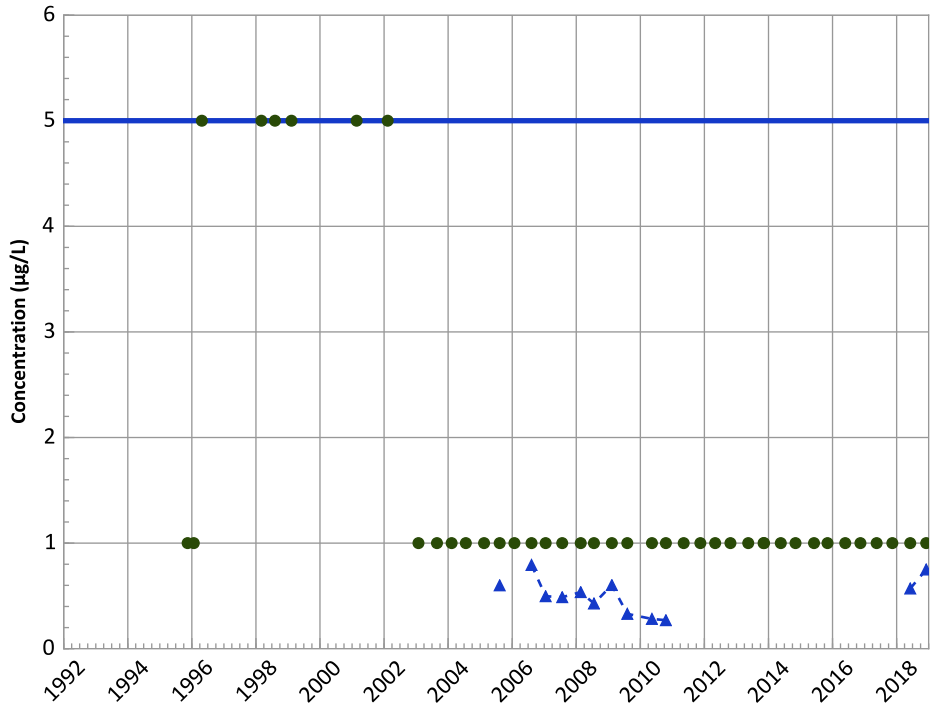
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

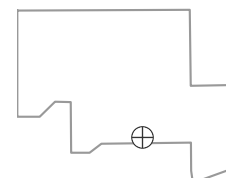
All Data:

No Trend

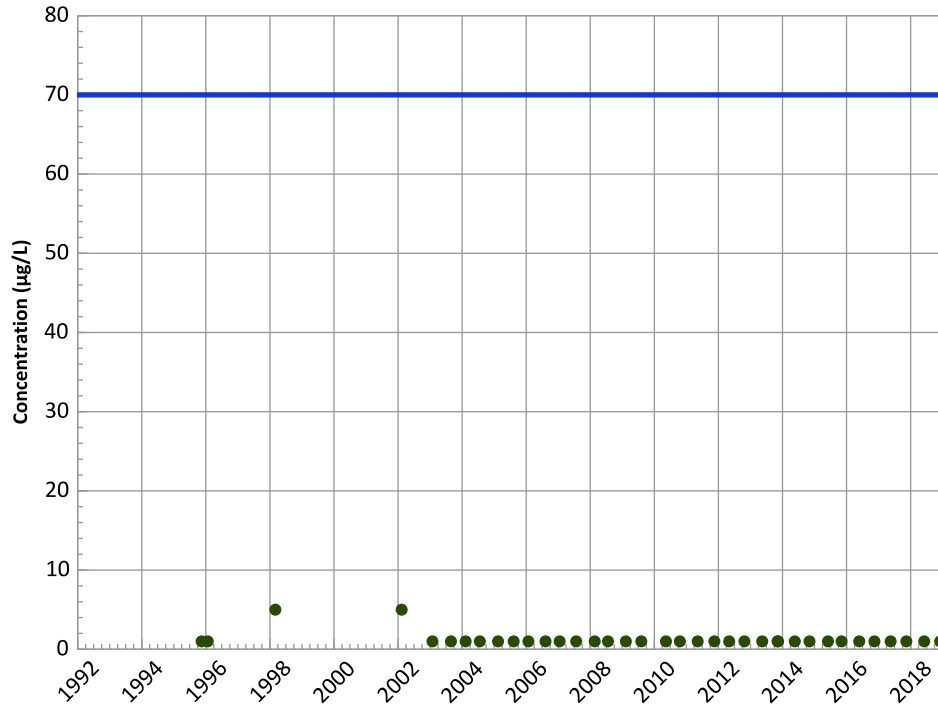
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

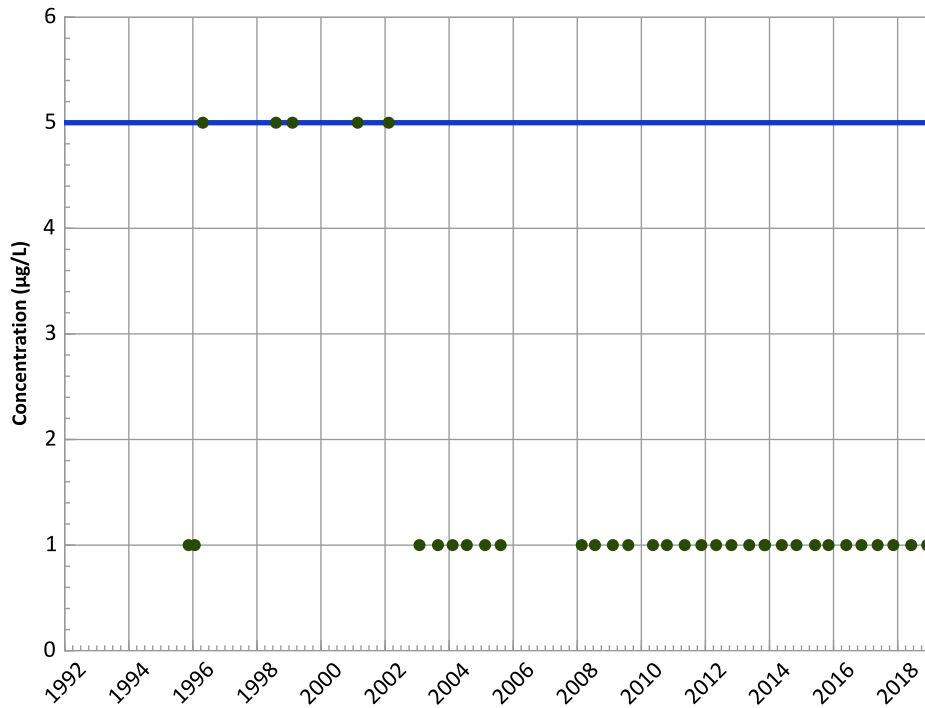
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

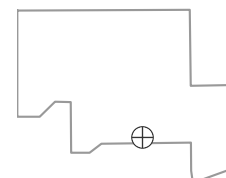
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

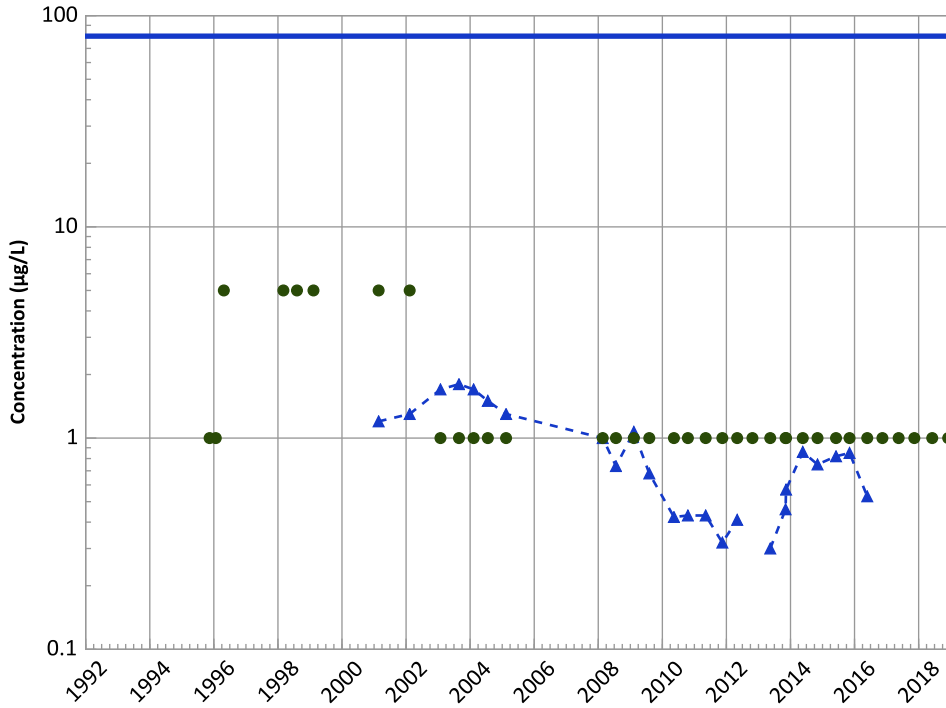


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

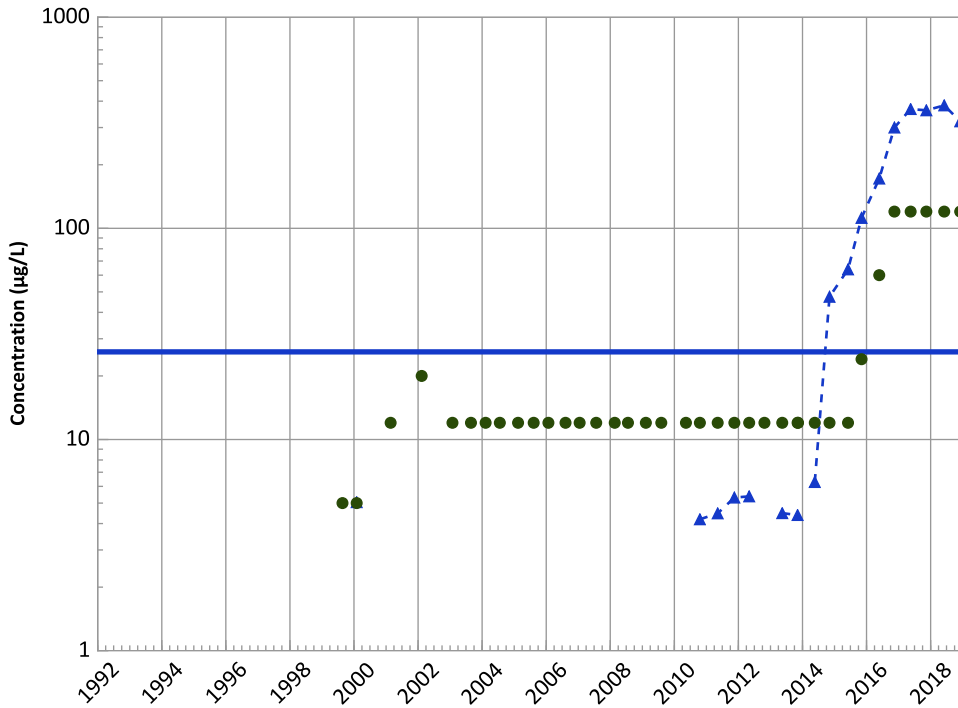
Data (2017 - 2021):

Increasing

All Data:

Decreasing

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

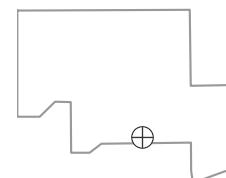
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

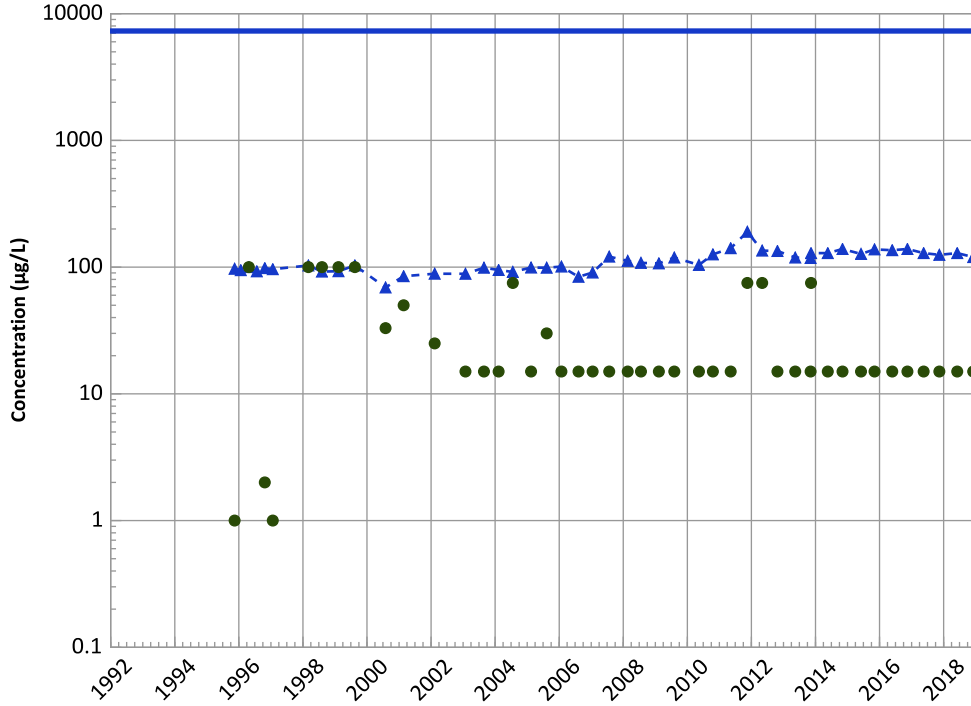


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

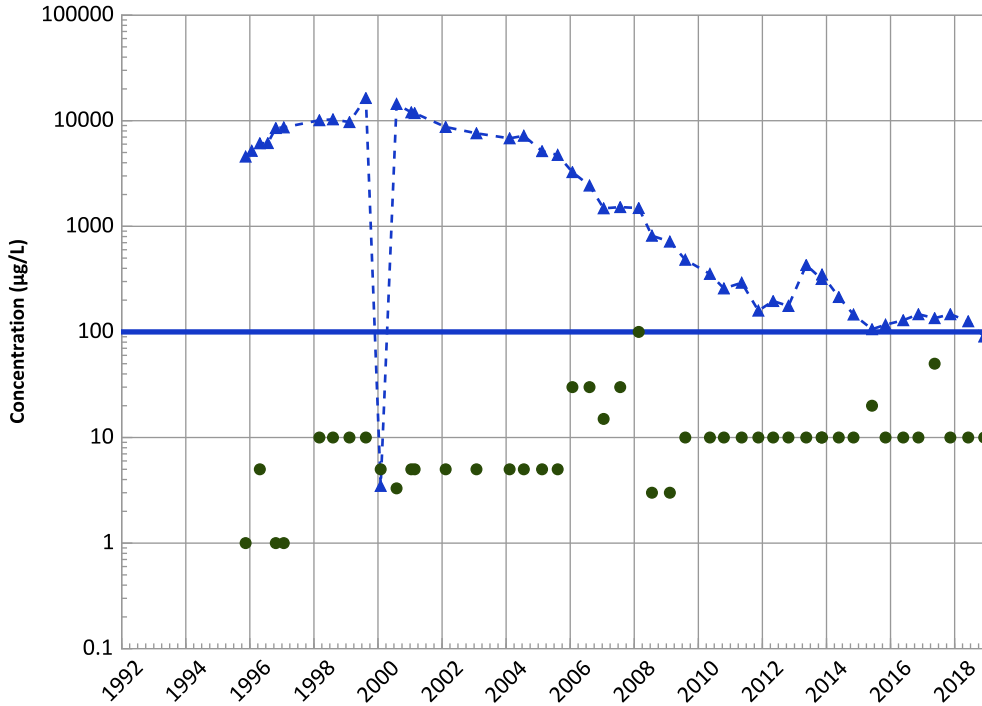
Data (2017 - 2021):

No Trend

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

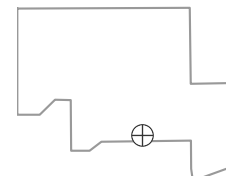
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

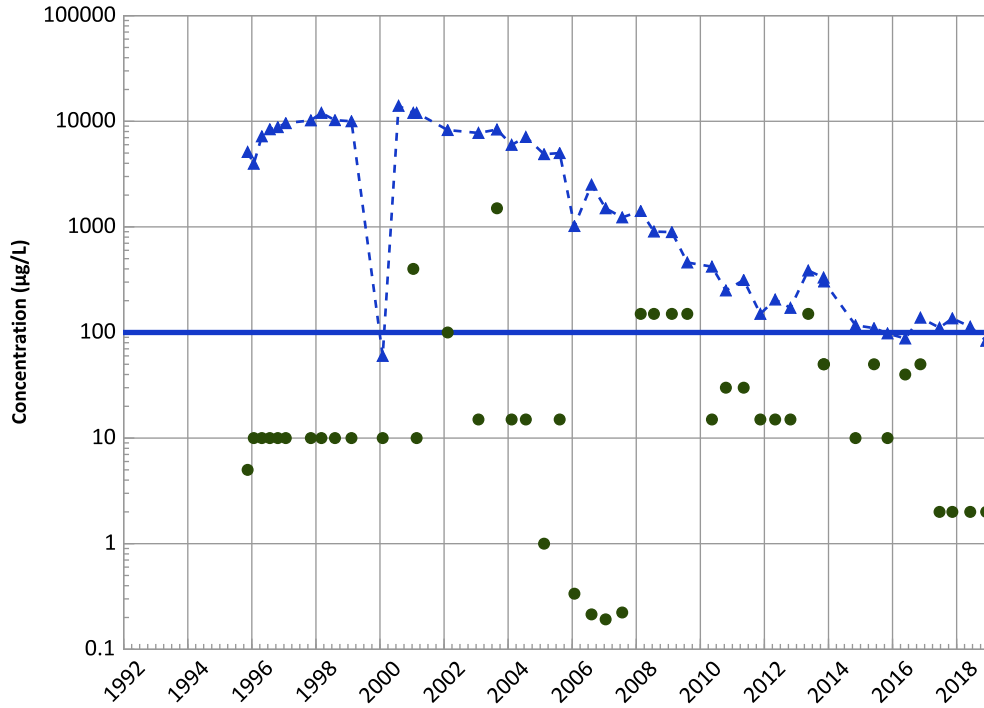
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

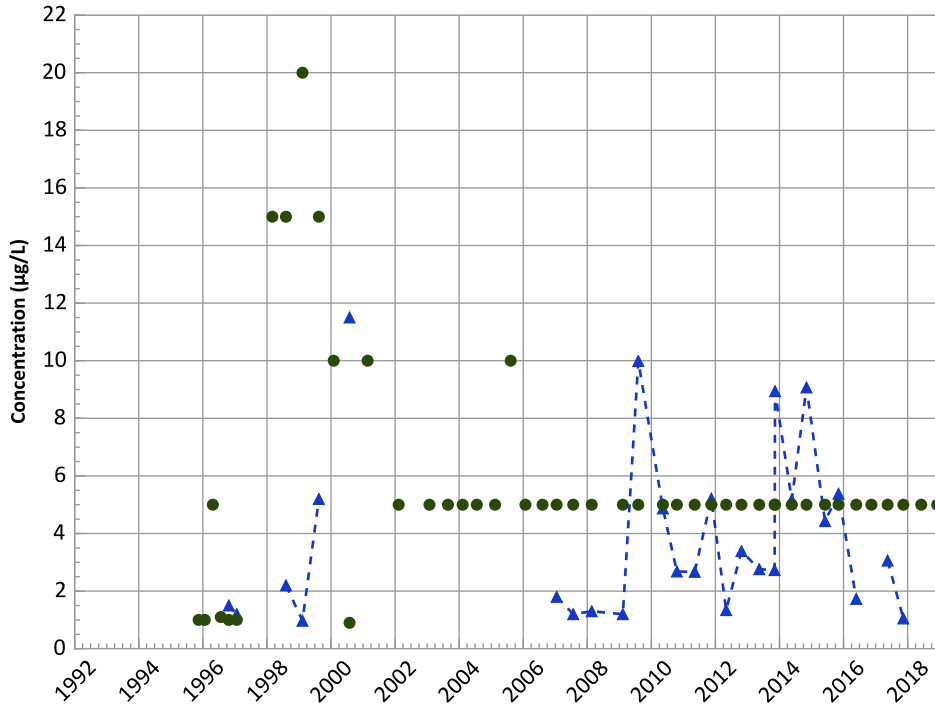


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Manganese Trend



Concentration Trend

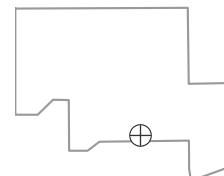
MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Increasing

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

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

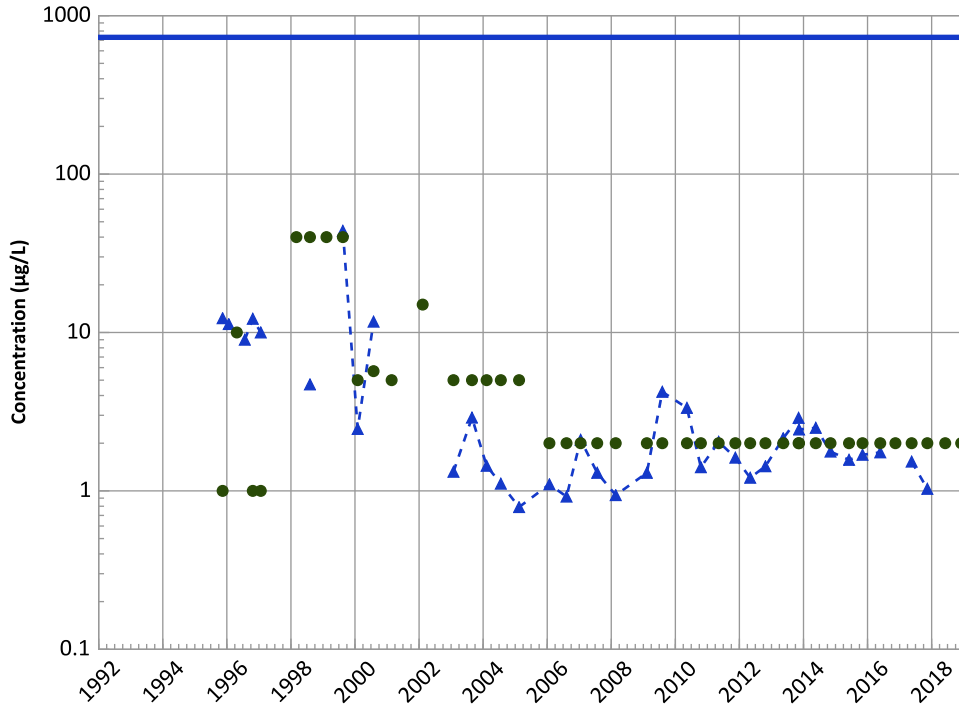
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1008 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

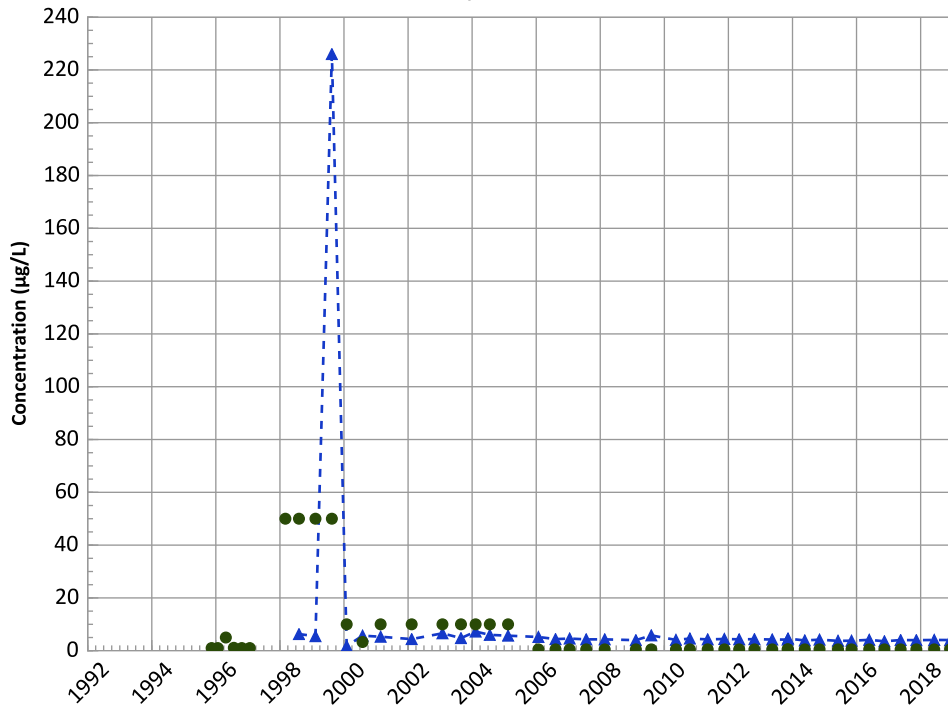
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

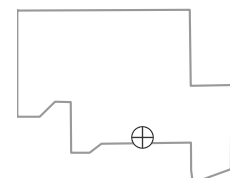
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

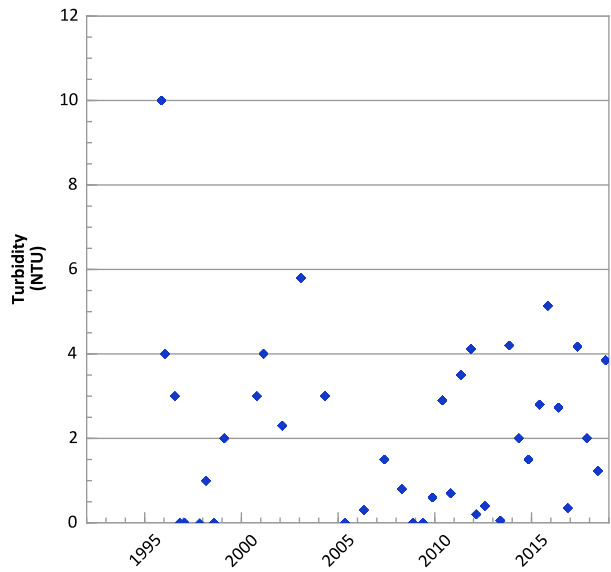
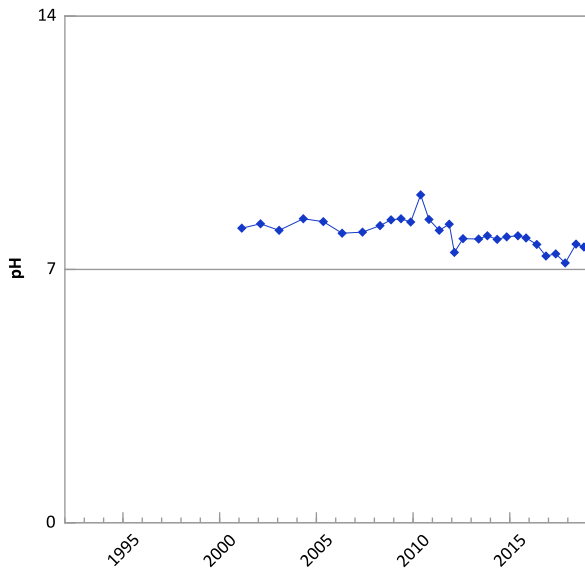
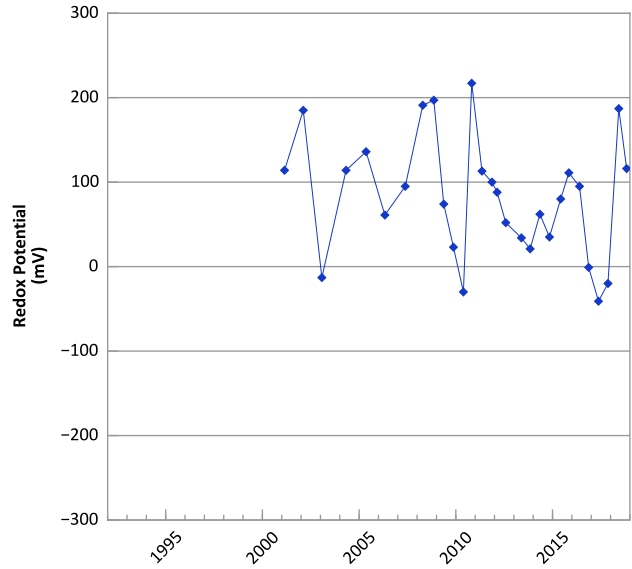
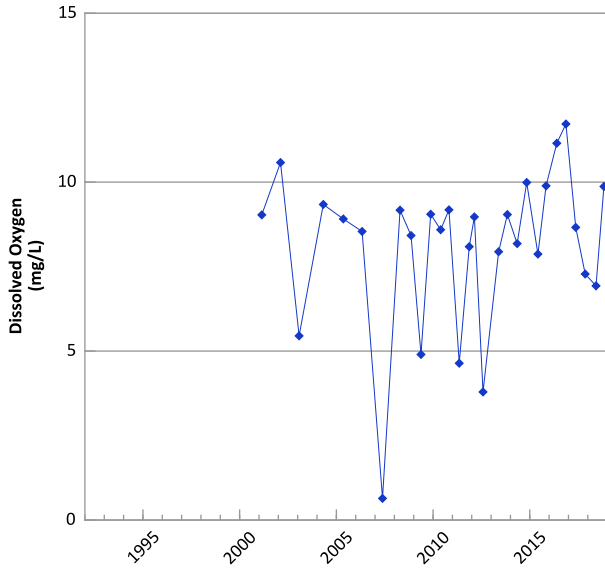
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 12/04/2018
Analysis Date: 02/14/2019

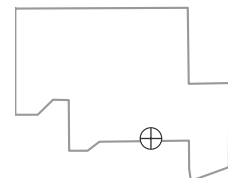
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



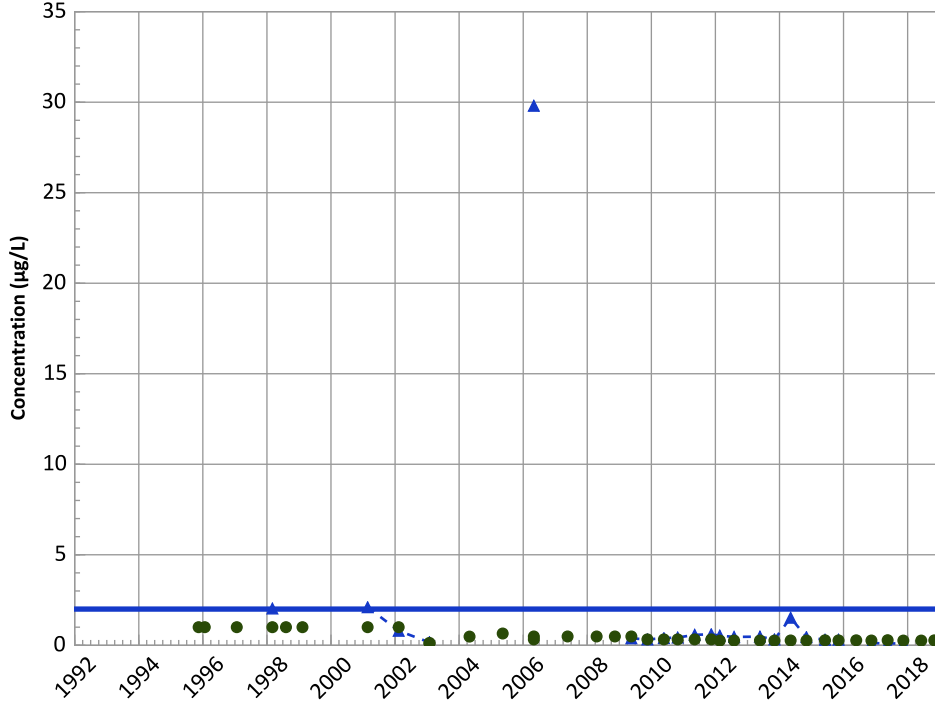
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/14/1995 to 11/01/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

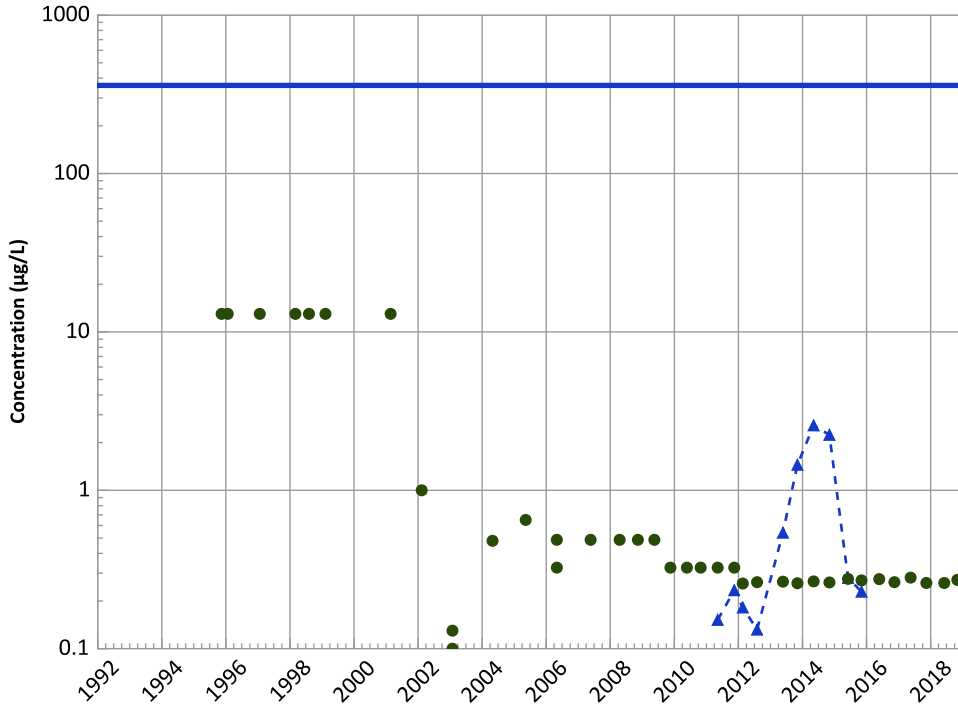
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

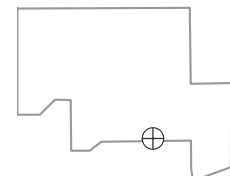
All Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

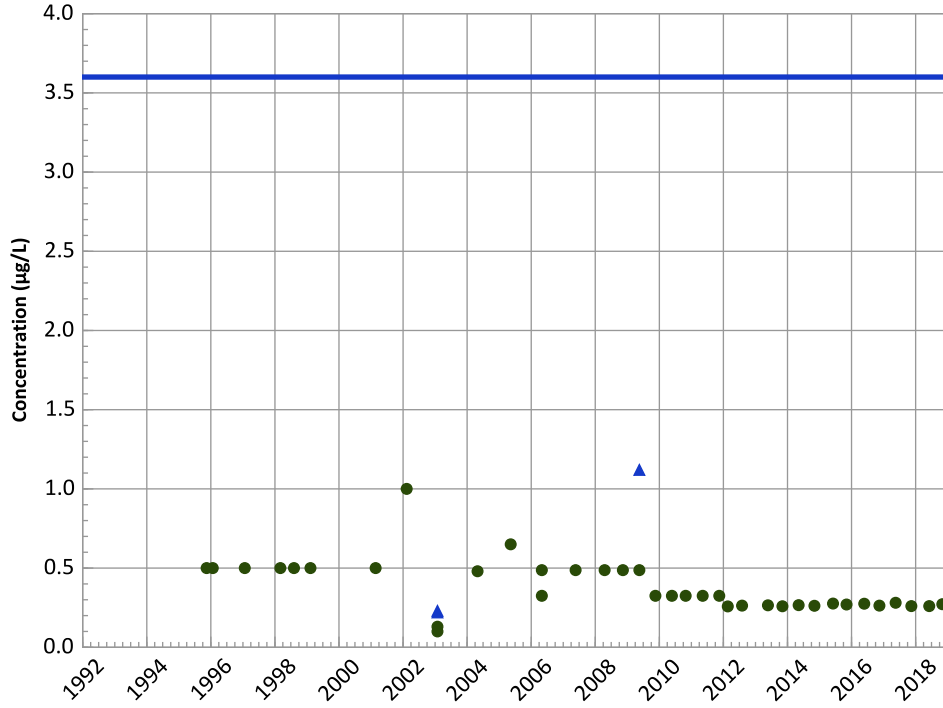
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

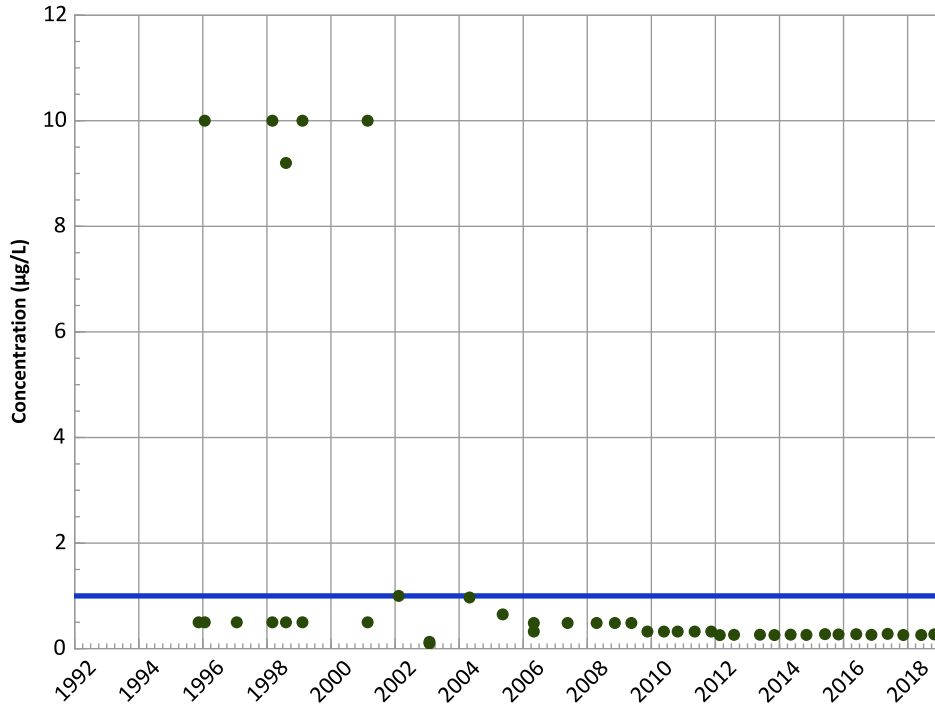
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

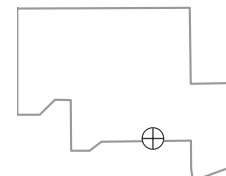
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

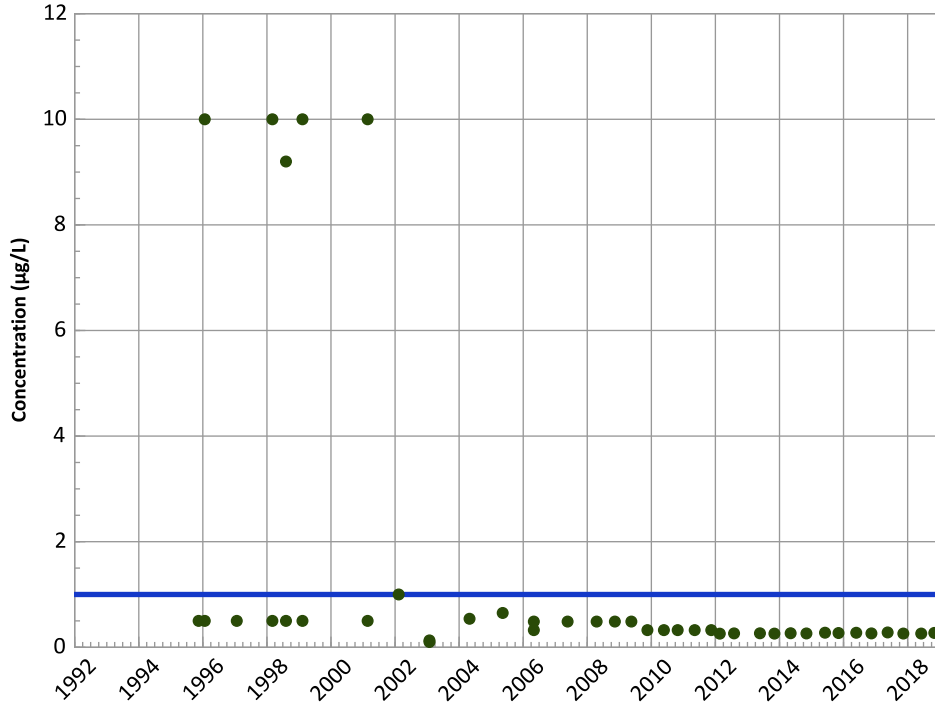
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

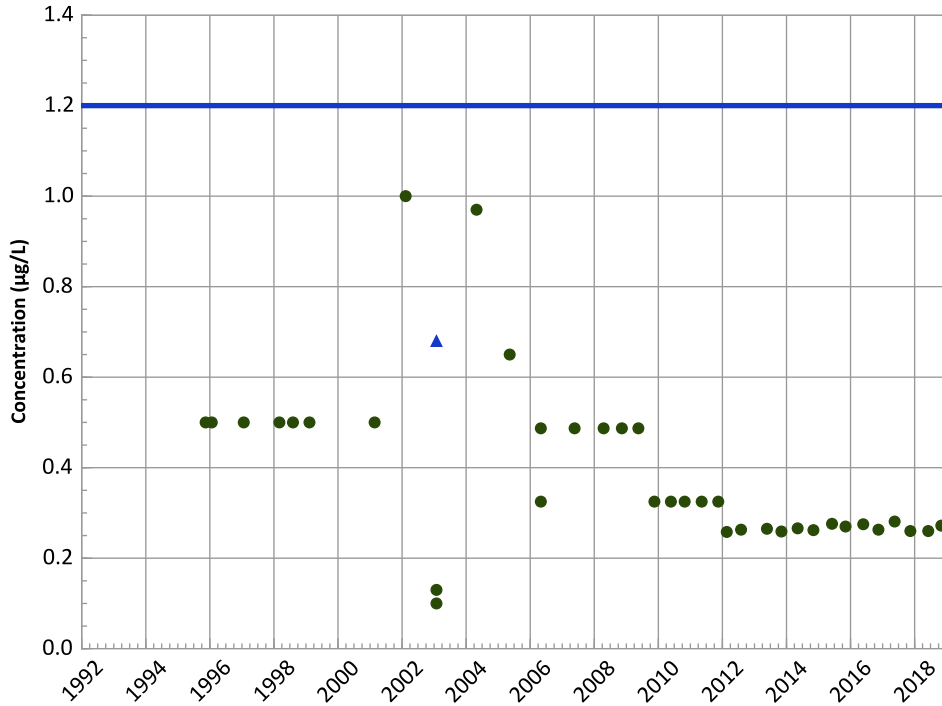
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

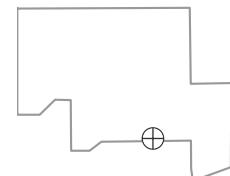
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

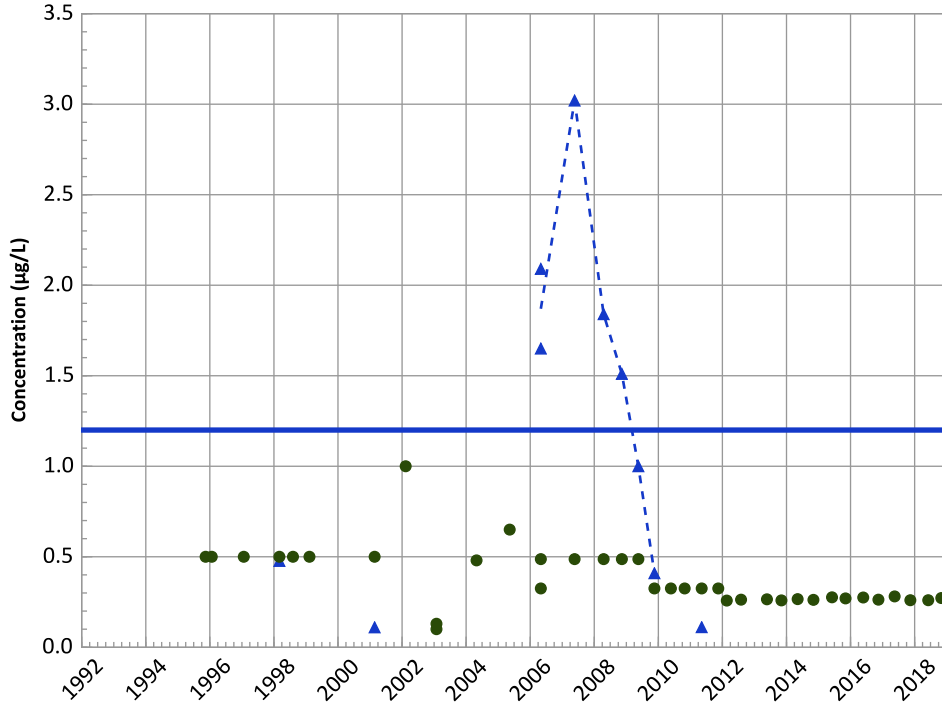


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

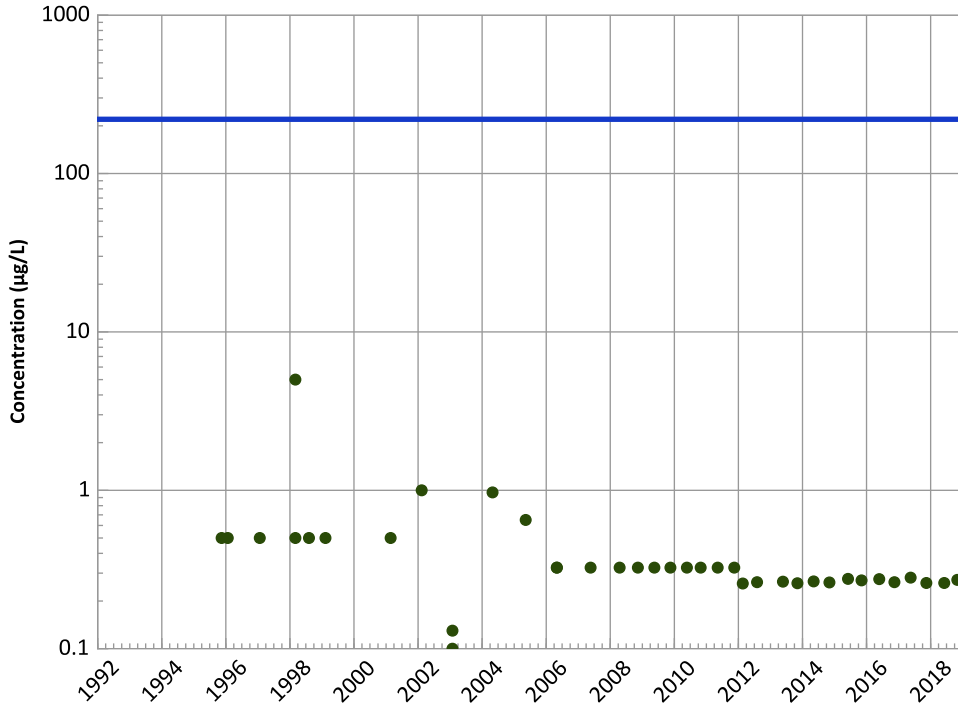
Data (2017 - 2021):

All Non-Detect

All Data:

No Trend

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

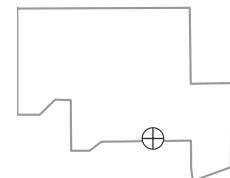
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

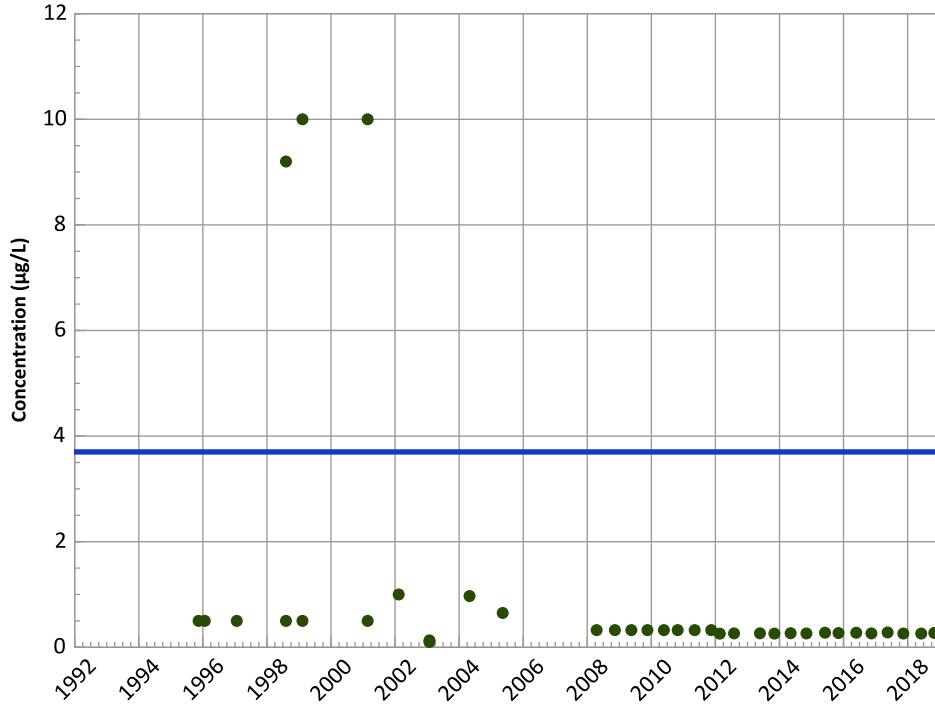
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

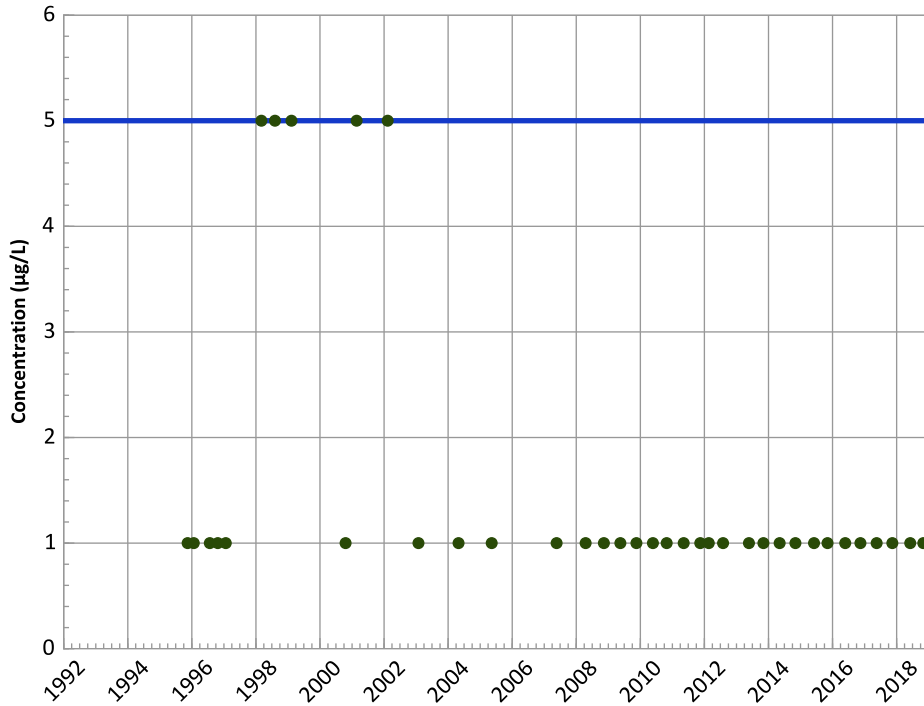
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

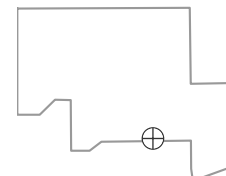
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

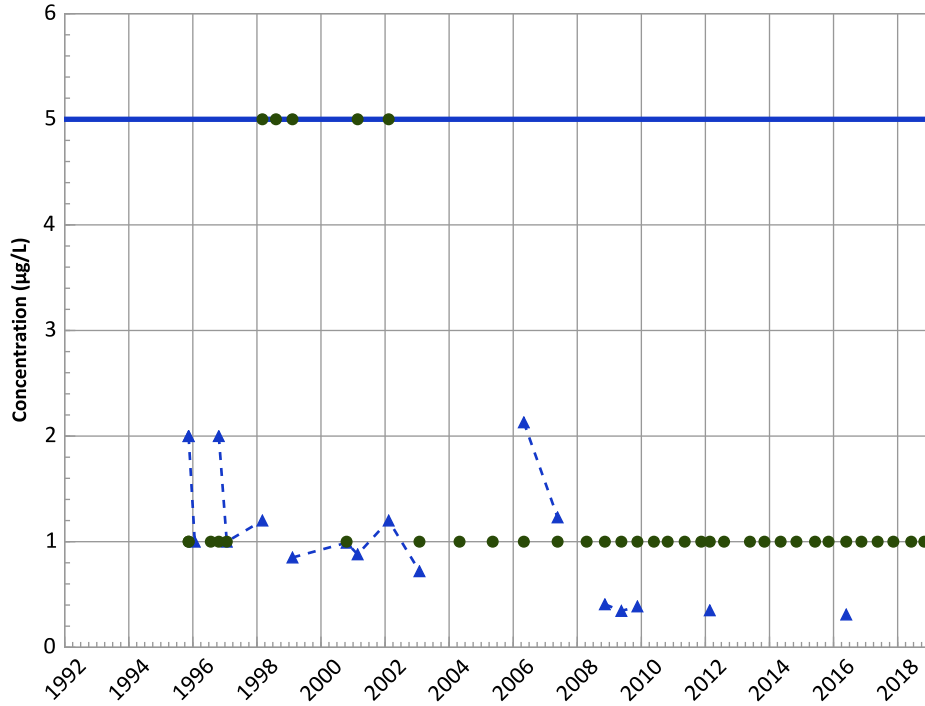


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

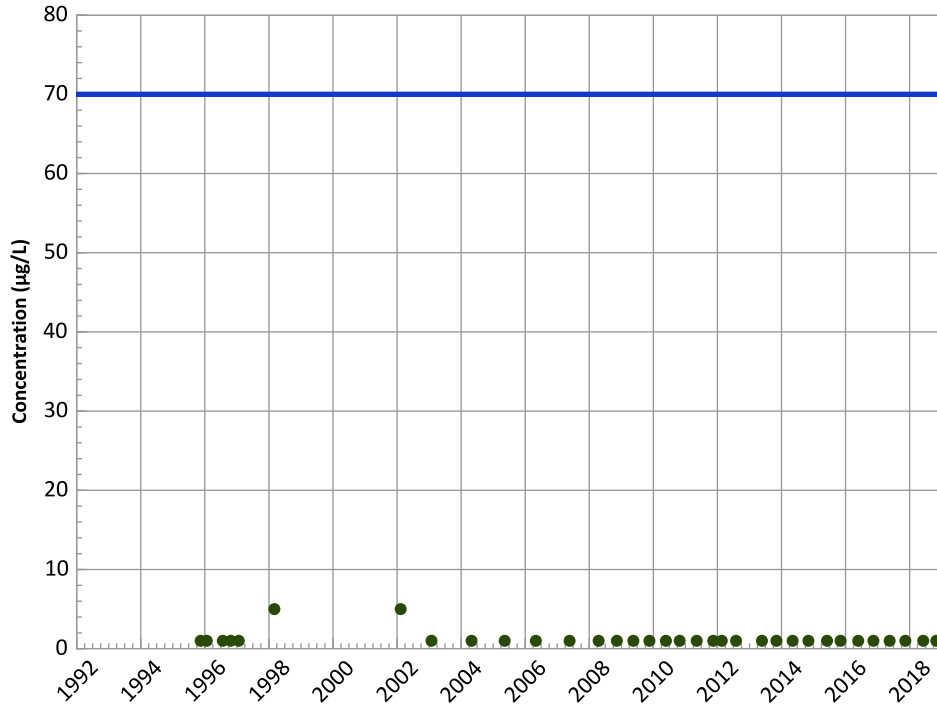


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

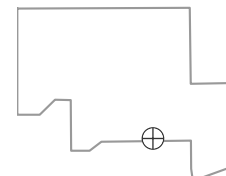
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

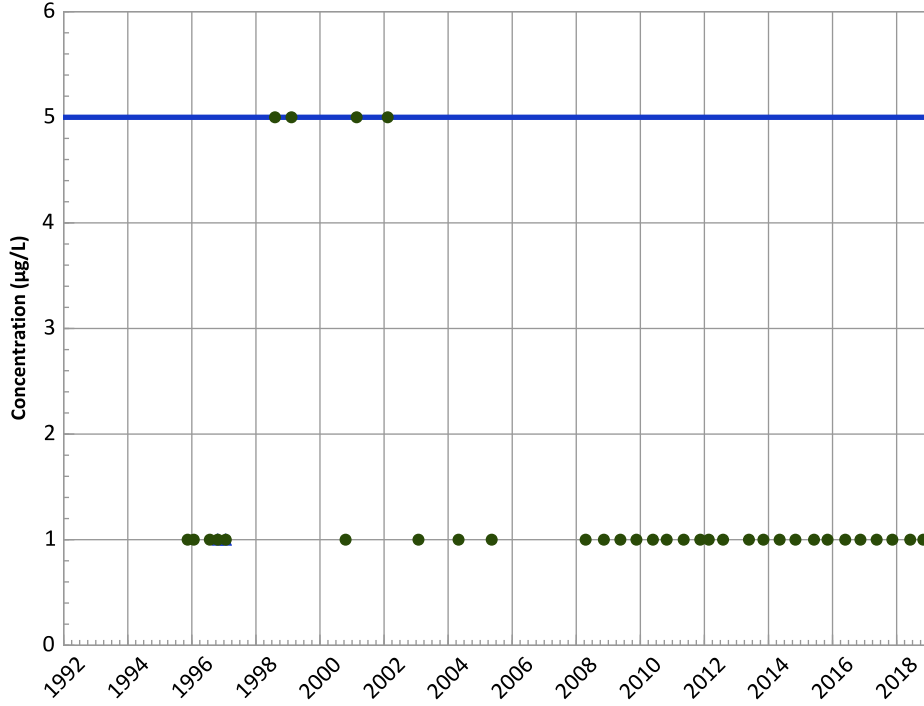
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

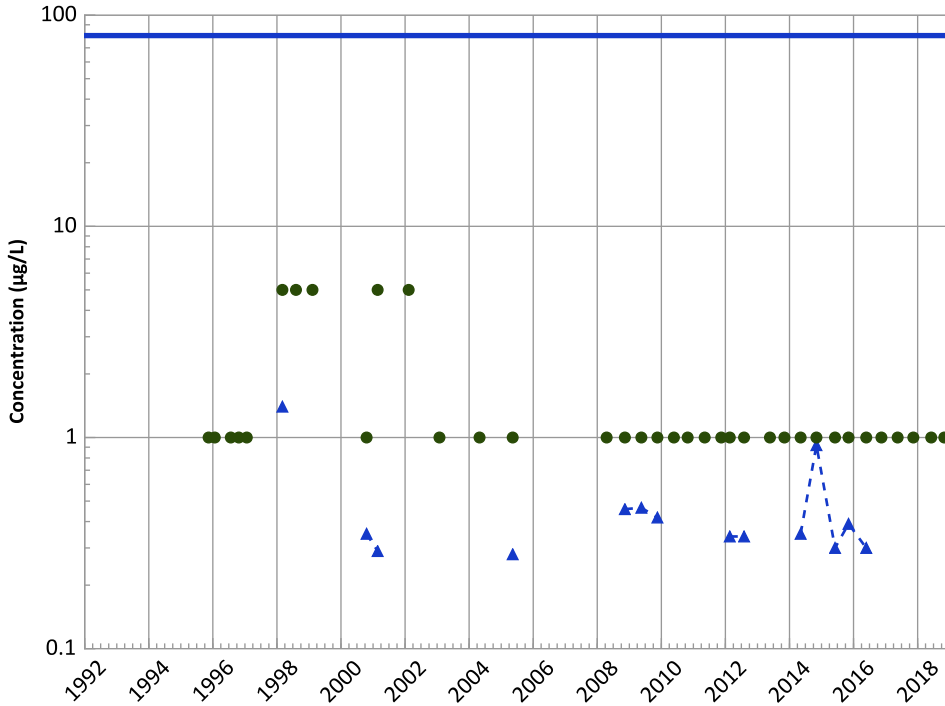
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
Increasing
All Data:
Decreasing

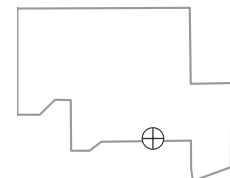
MAROS Linear Regression Method

Data (2017 - 2021):
No Trend
All Data:
Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

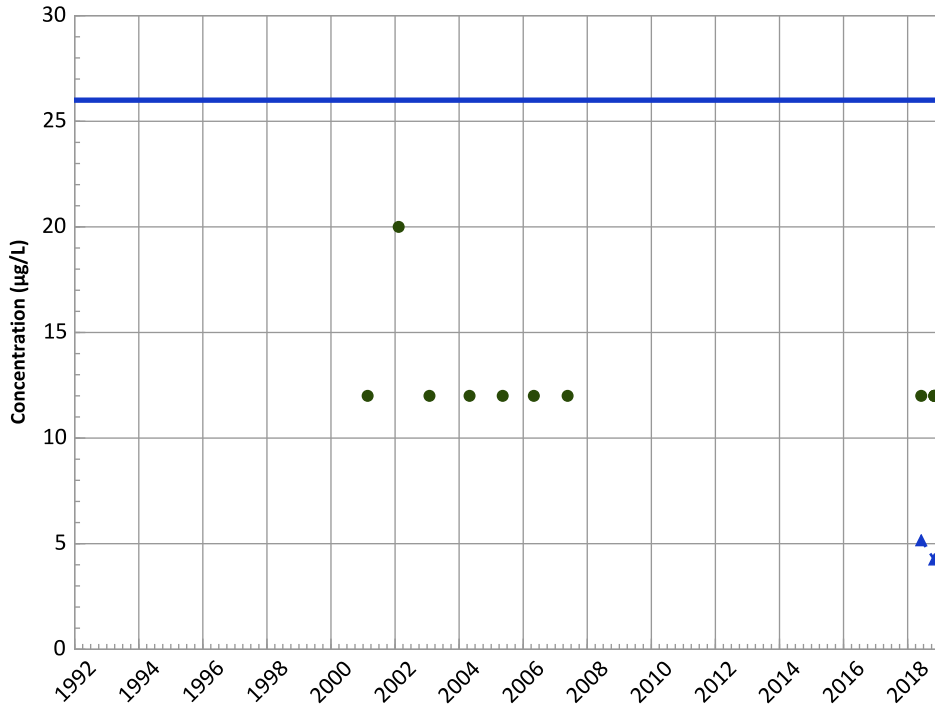
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend

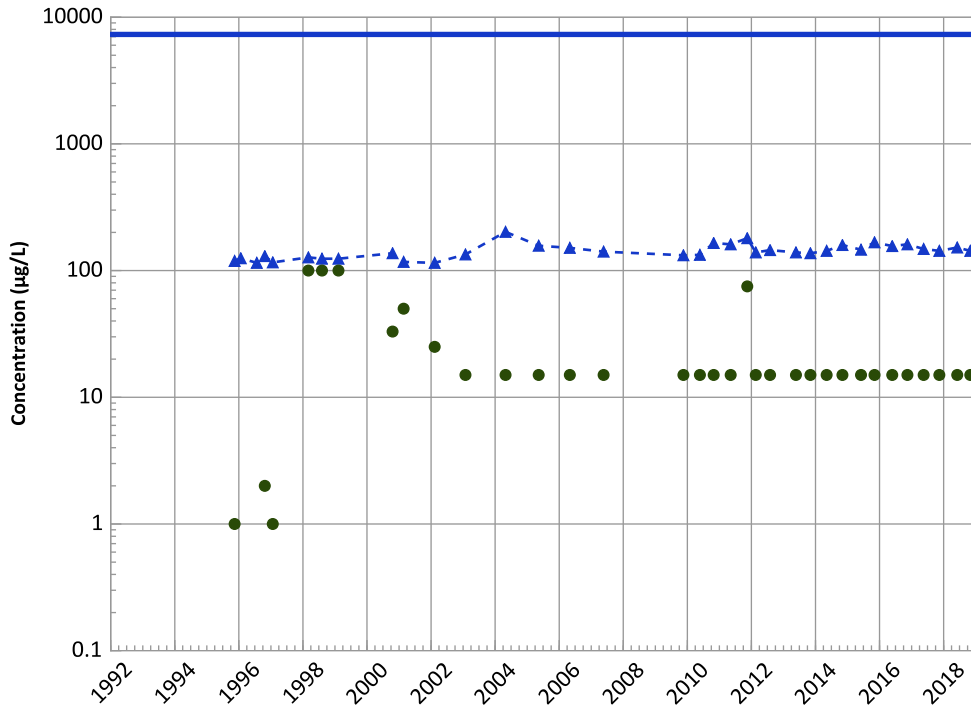


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

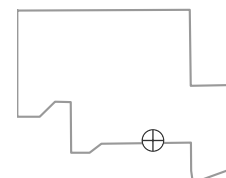
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

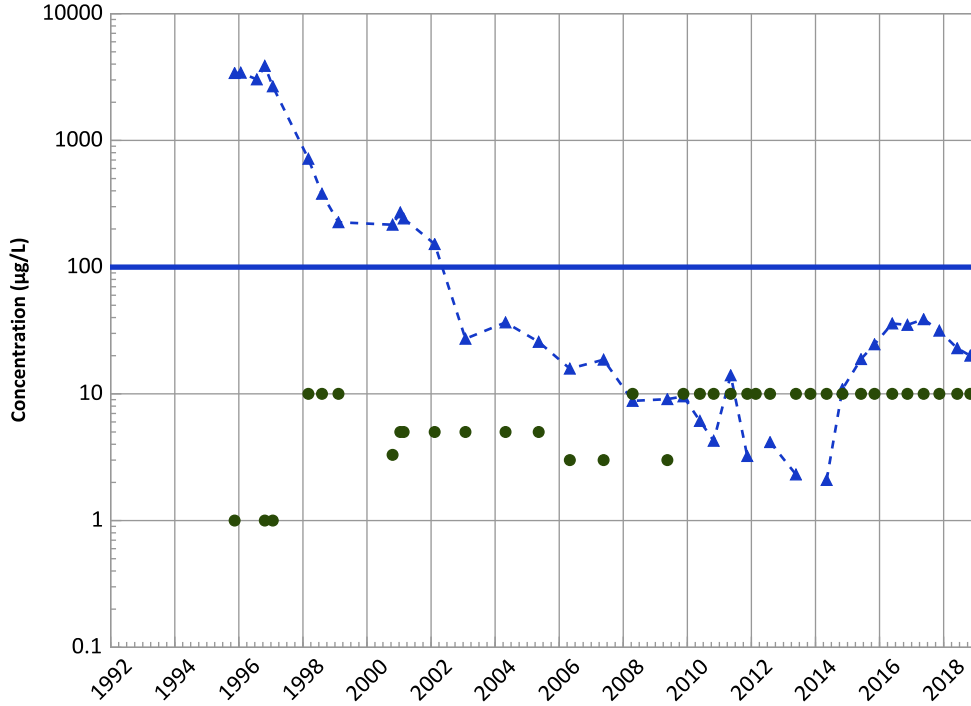
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

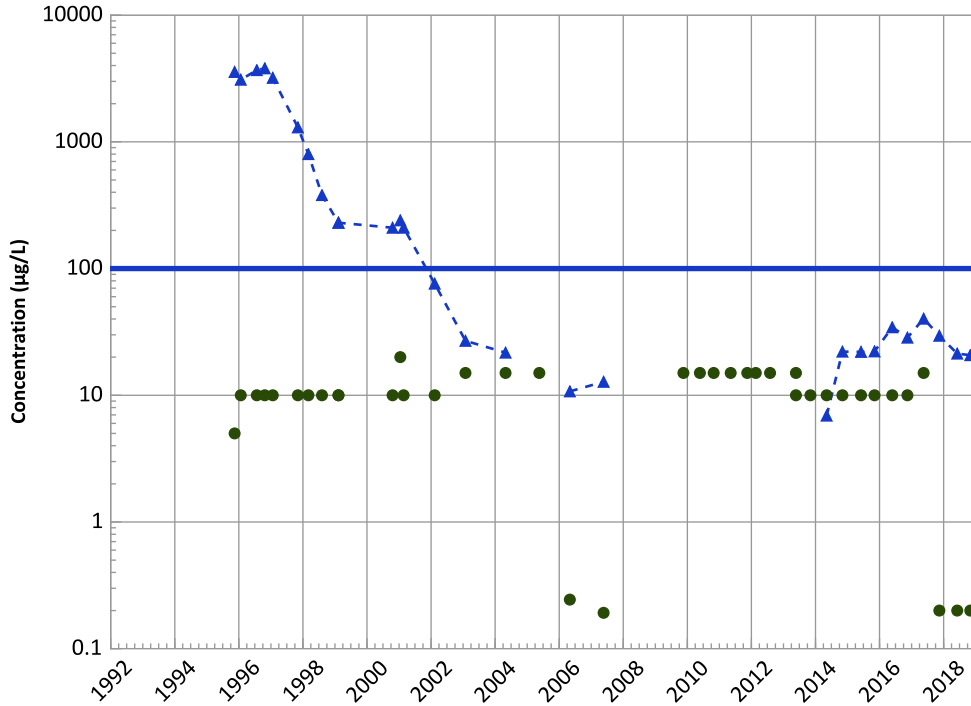
Data (2017 - 2021):

Increasing

All Data:

Decreasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

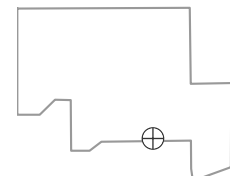
Data (2017 - 2021):

Increasing

All Data:

Decreasing

Well Location

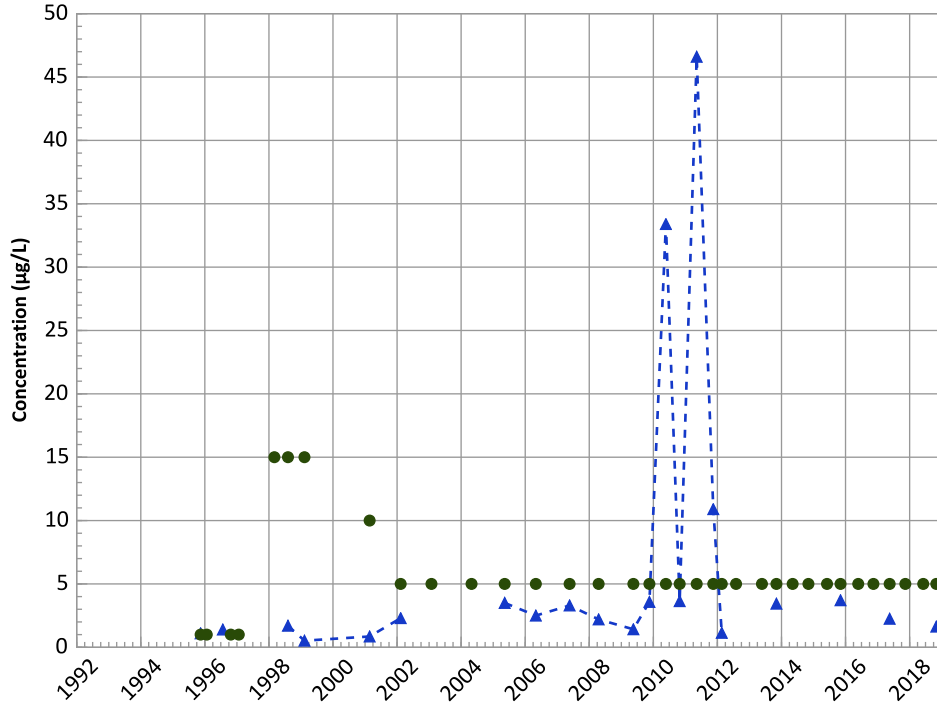


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend

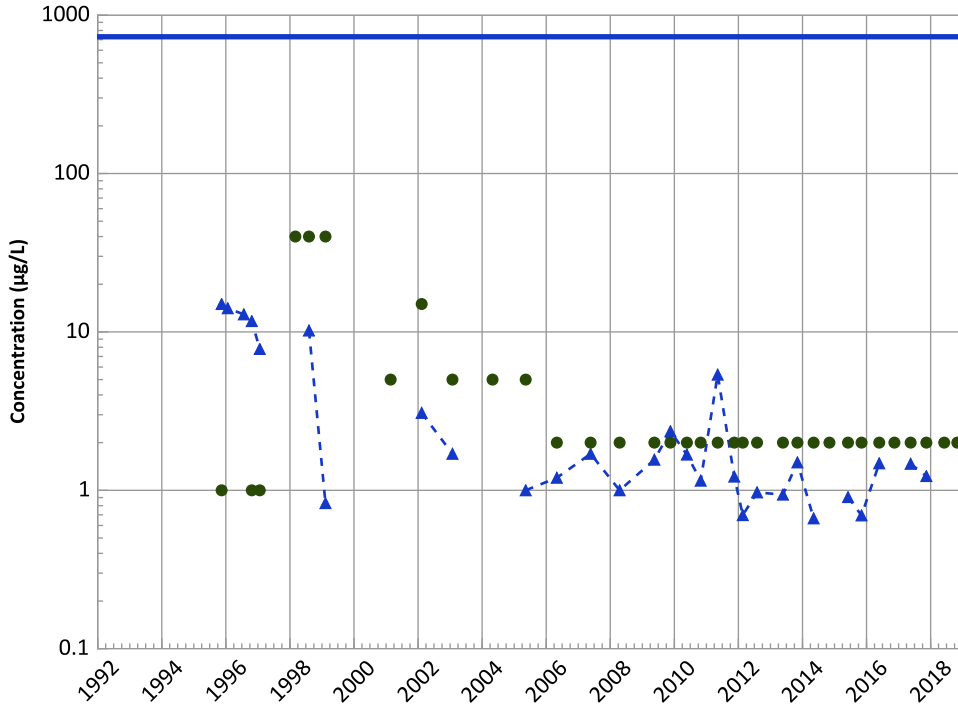


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Nickel Trend

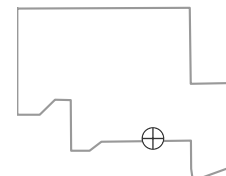


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

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

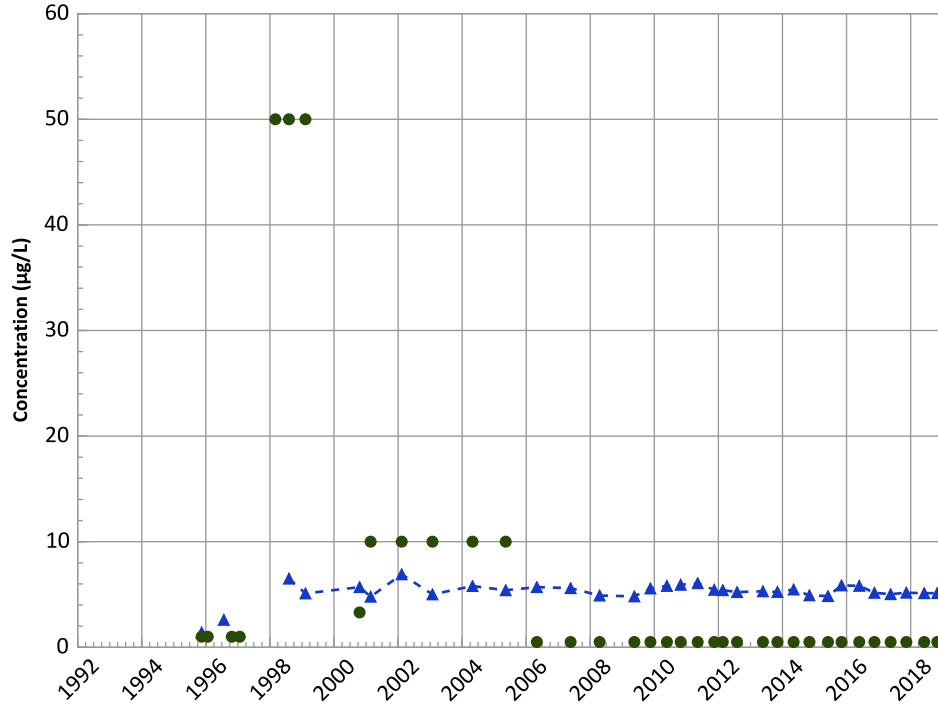
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX08-1009 in Perched Aquifer
USDOE/NNSA Pantex Plant
Molybdenum Trend**

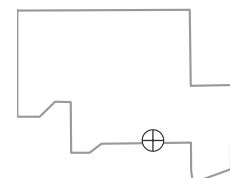


Concentration Trend
MAROS Mann-Kendall Method
 Data (2017 - 2021):
 Decreasing
 All Data:
 No Trend
MAROS Linear Regression Method
 Data (2017 - 2021):
 No Trend
 All Data:
 Increasing

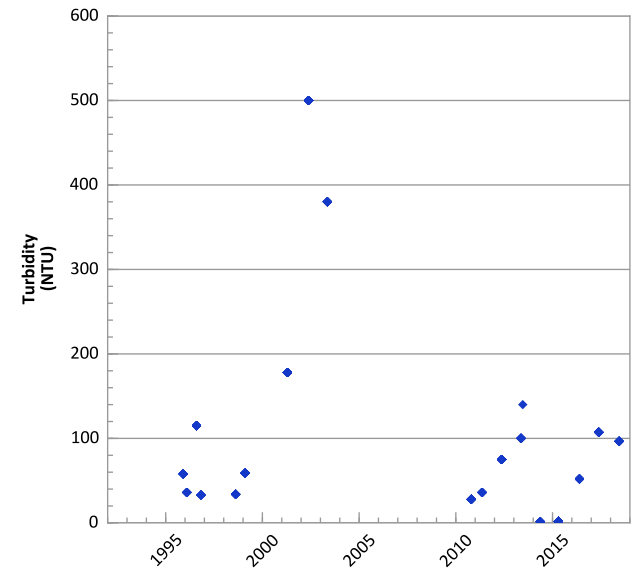
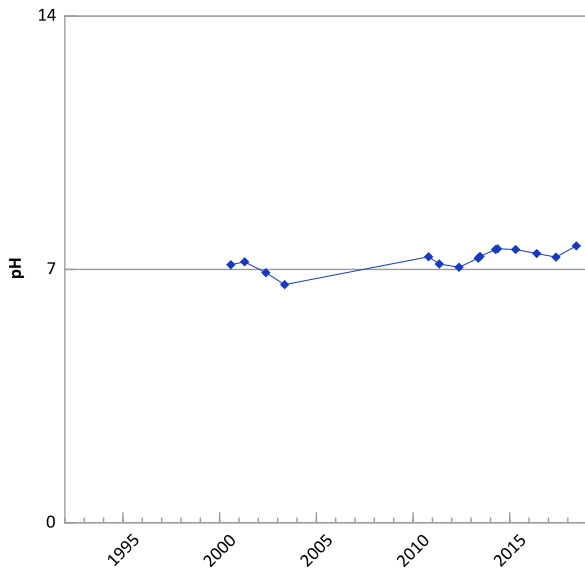
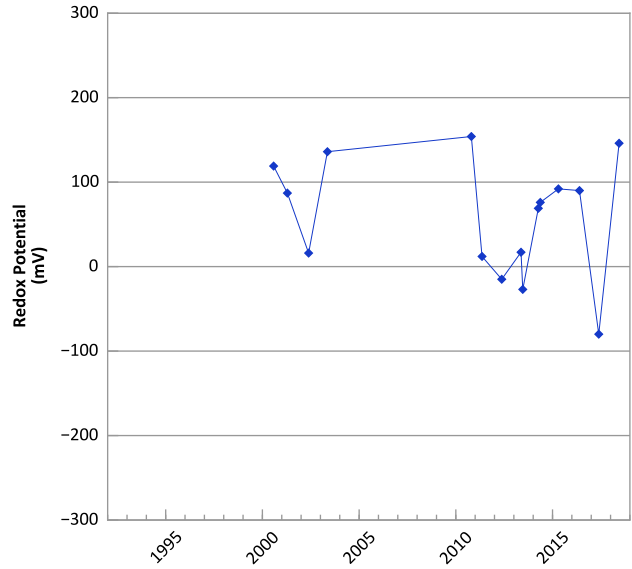
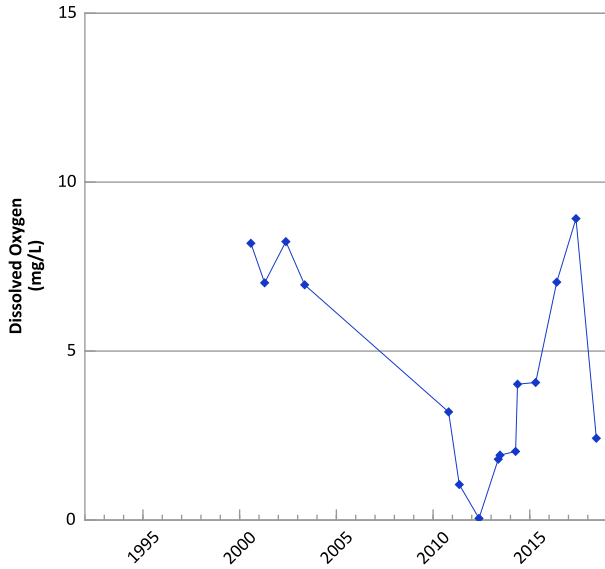
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/14/1995 to 11/01/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

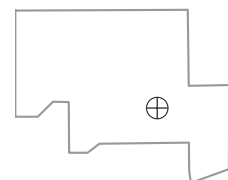


**PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



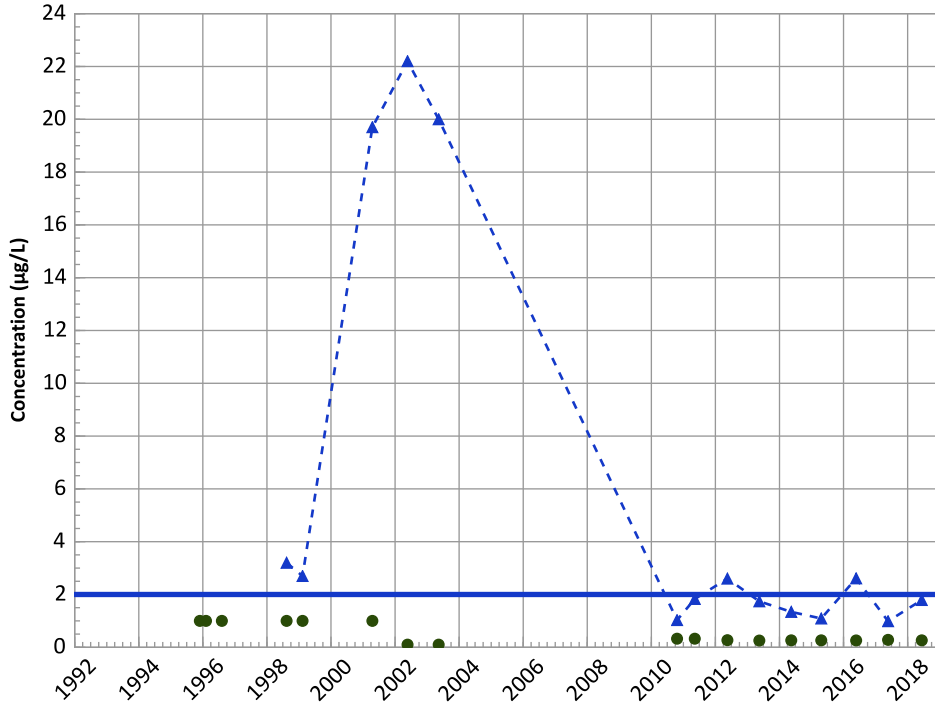
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 07/07/1992 to 06/11/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

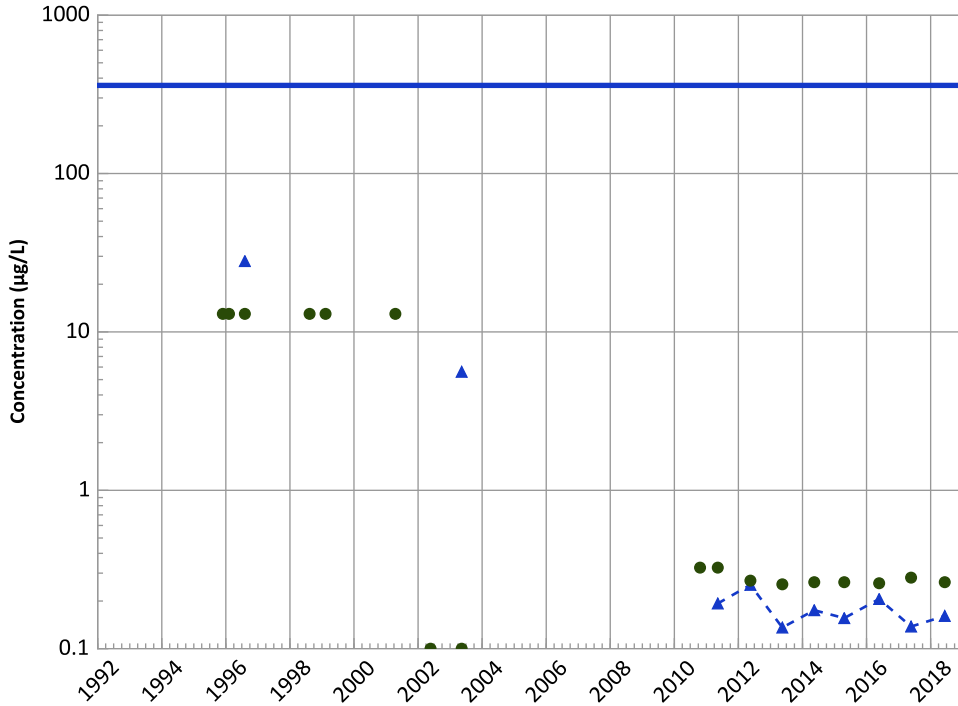
Data (2017 - 2021):

Stable

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

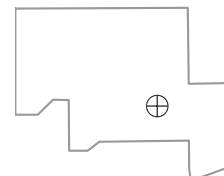
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

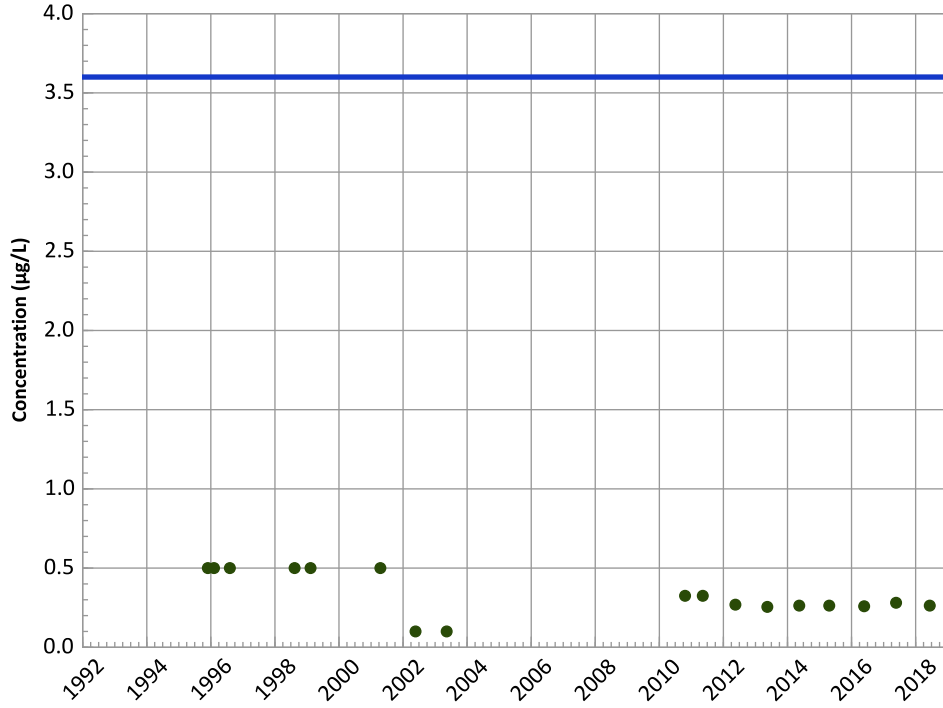
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

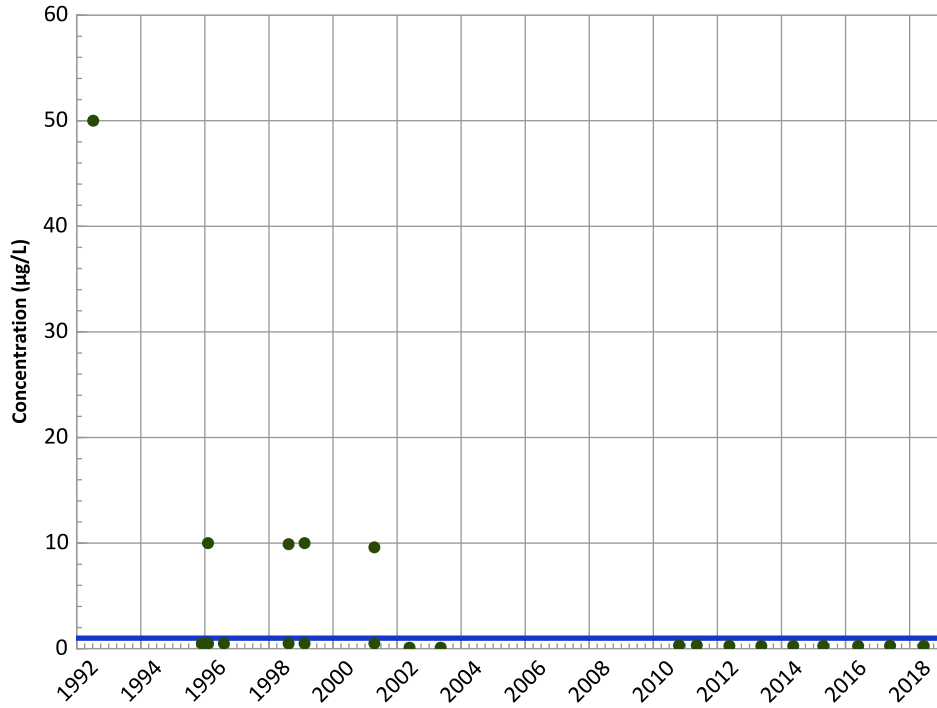
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

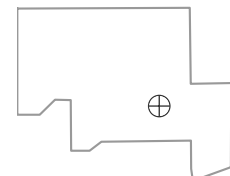
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

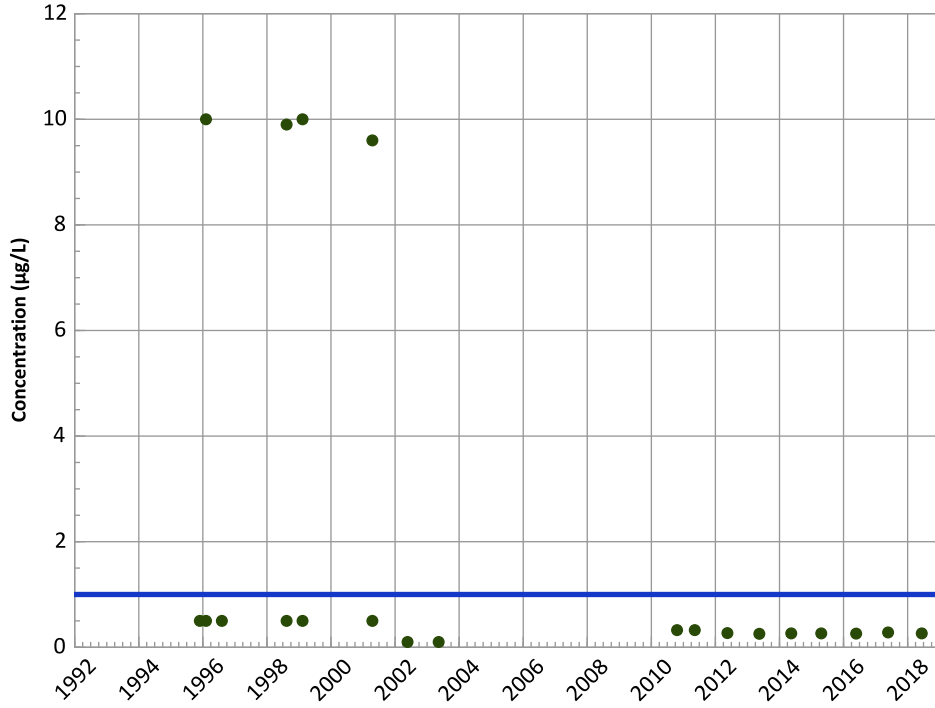


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

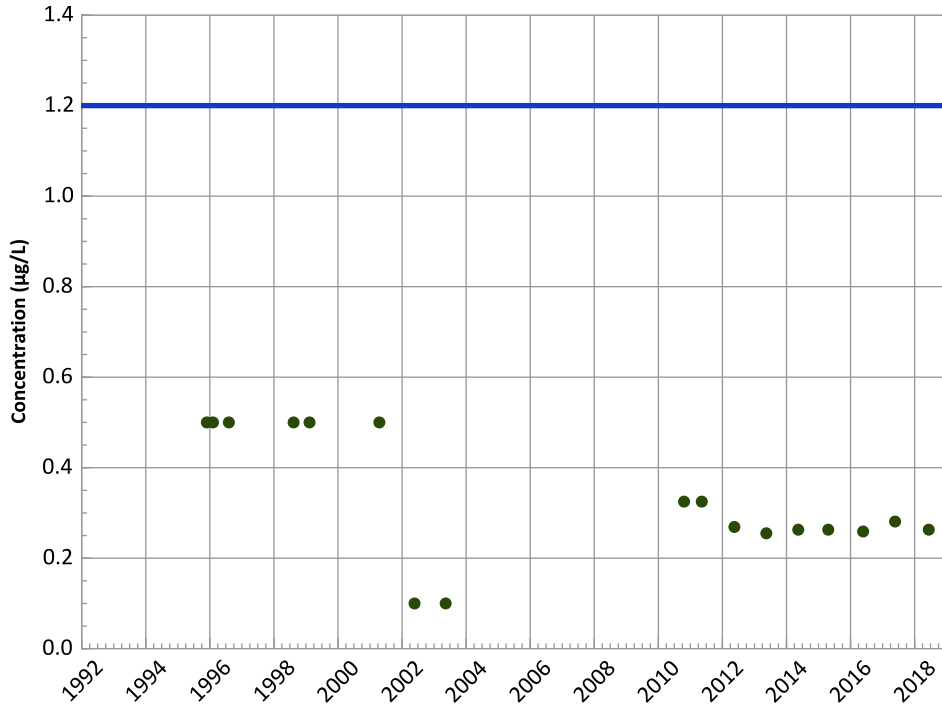
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

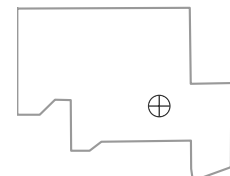
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

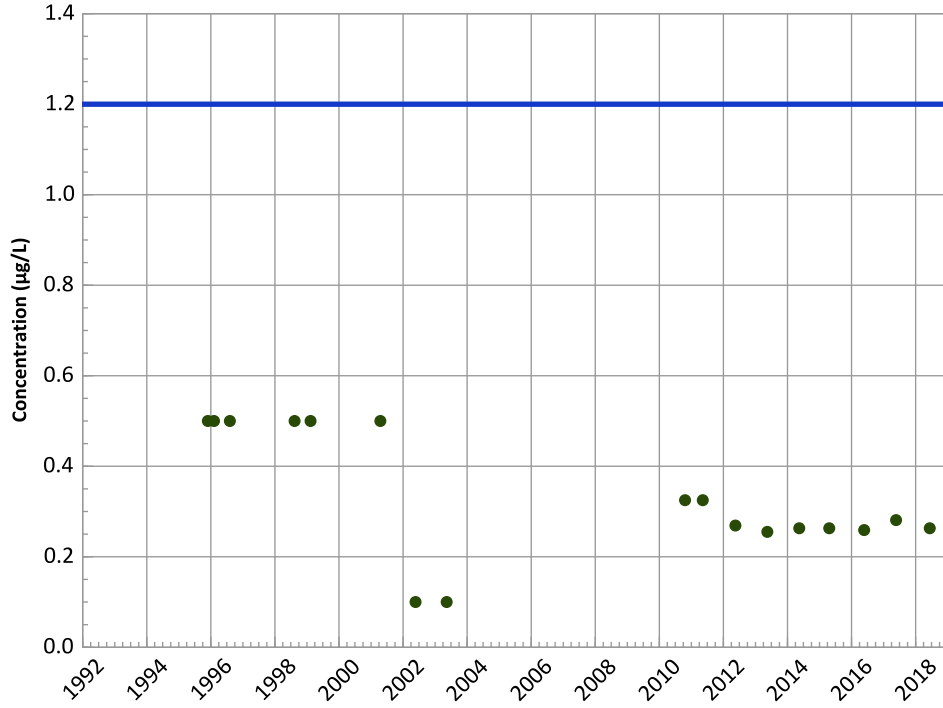
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

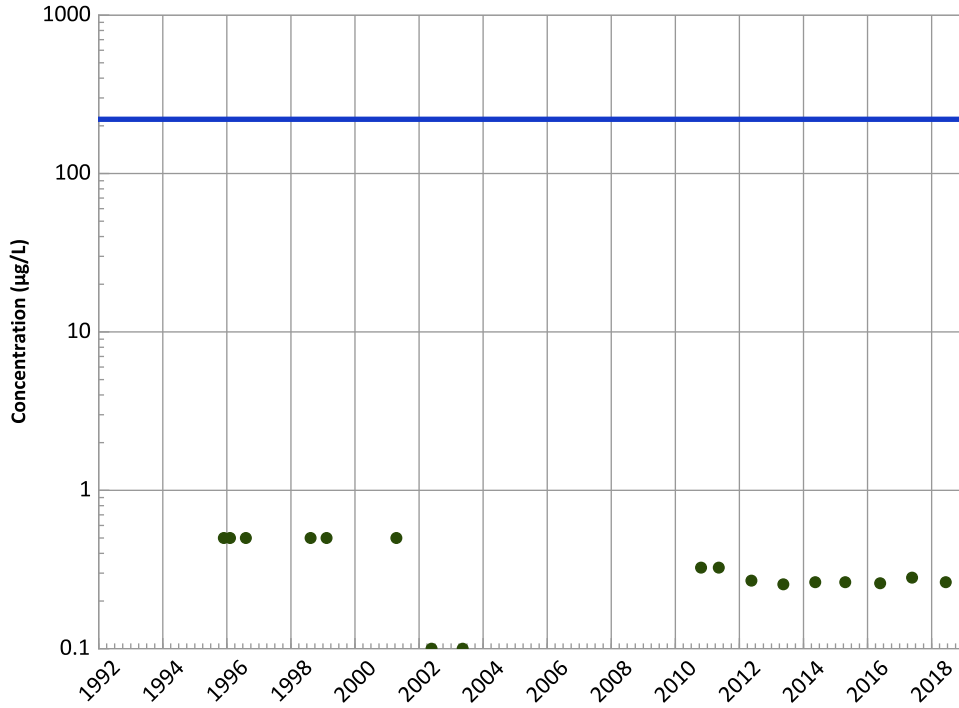
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

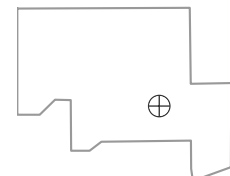
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

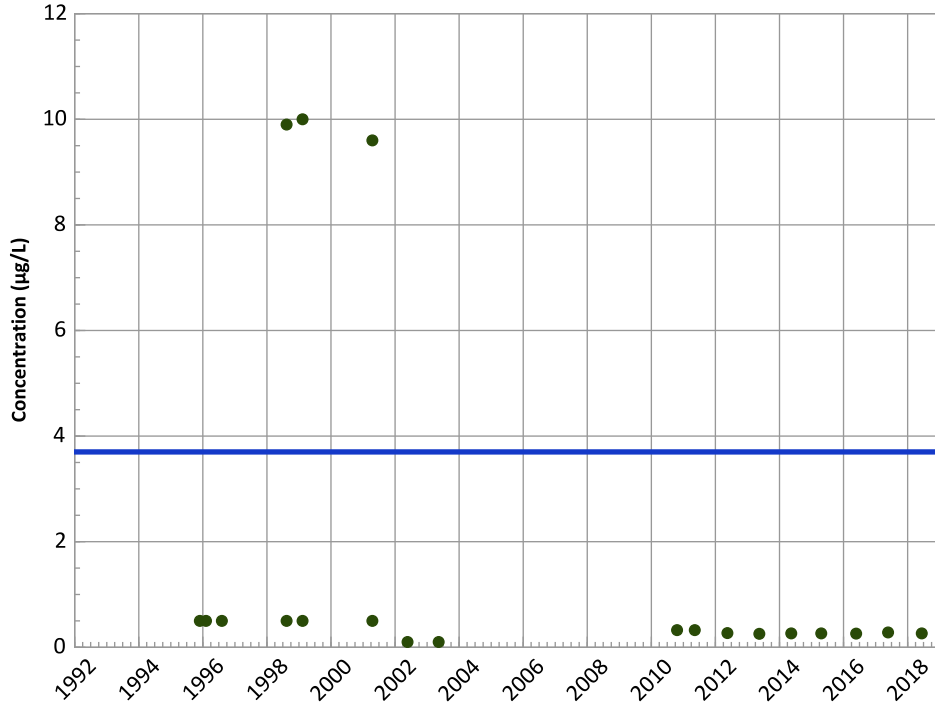
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

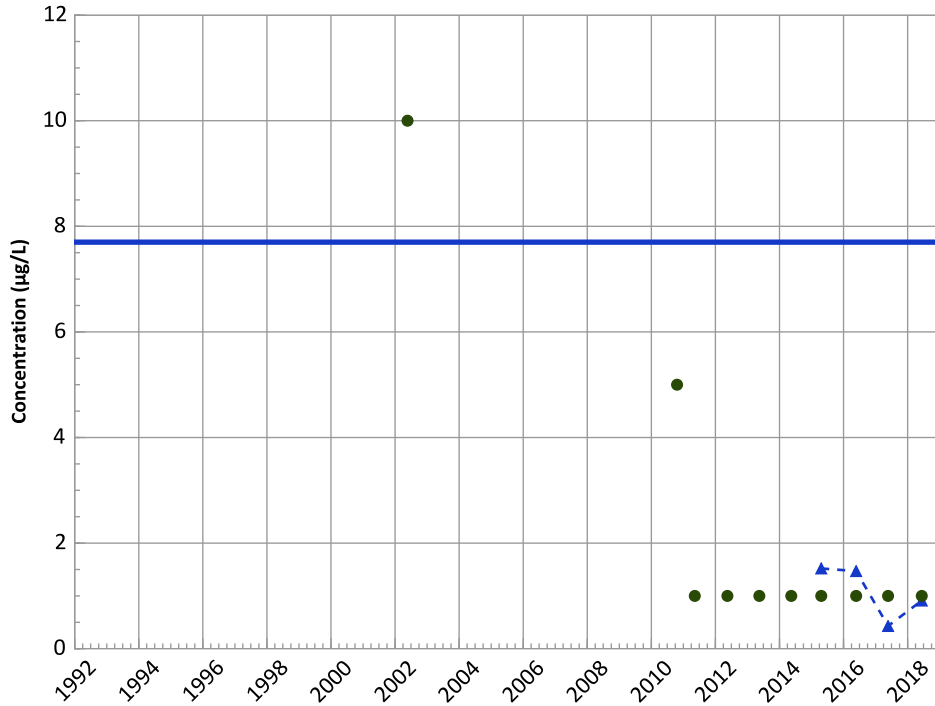
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

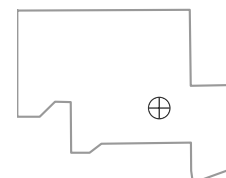
All Data:

Stable

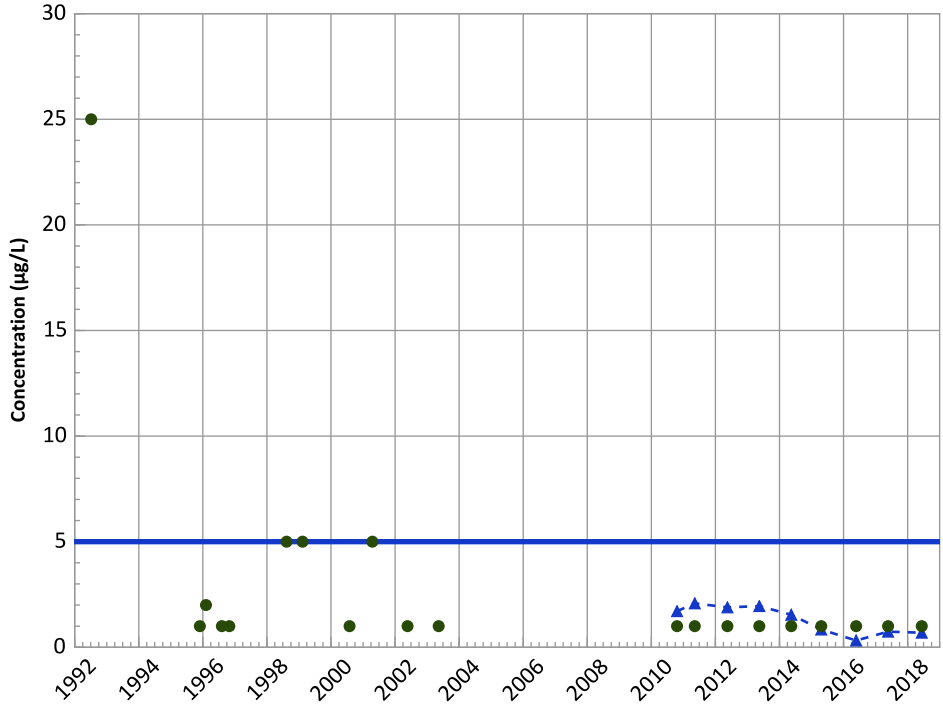
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

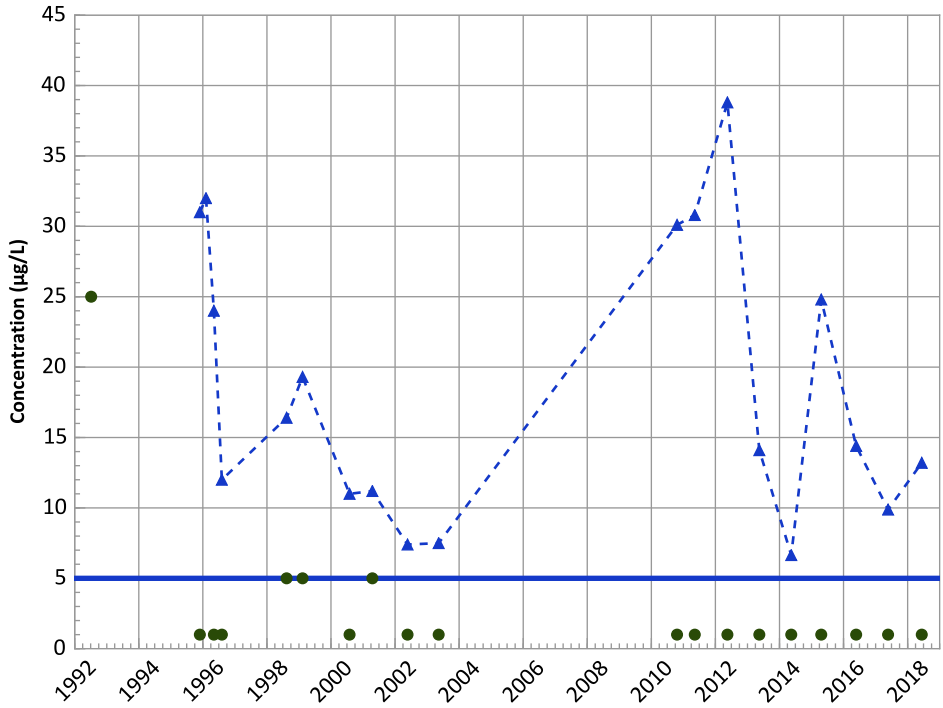
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

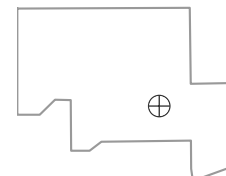
All Data:

Stable

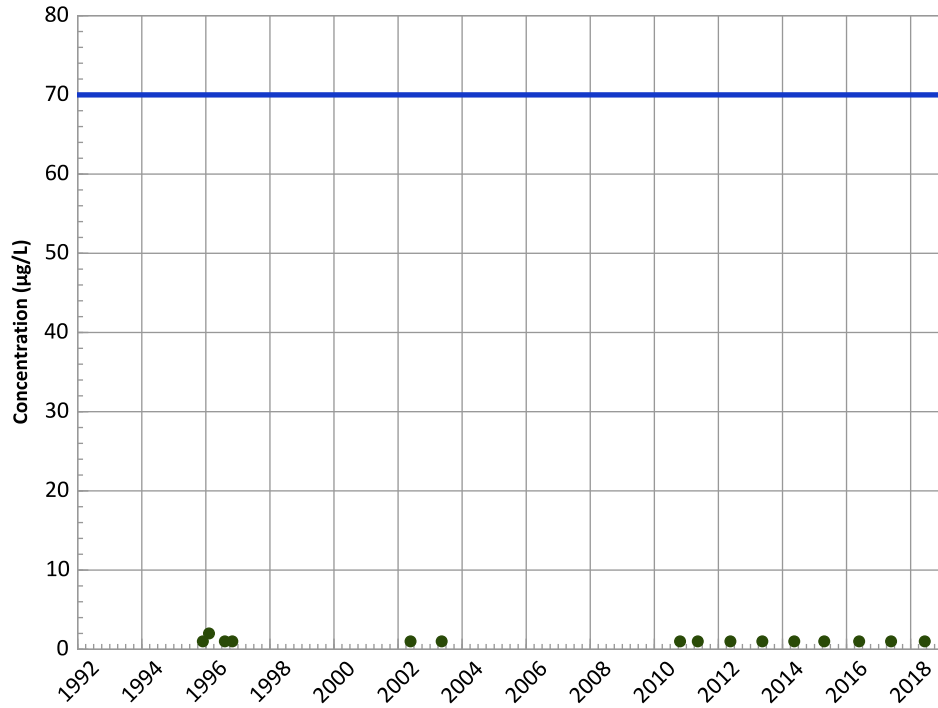
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

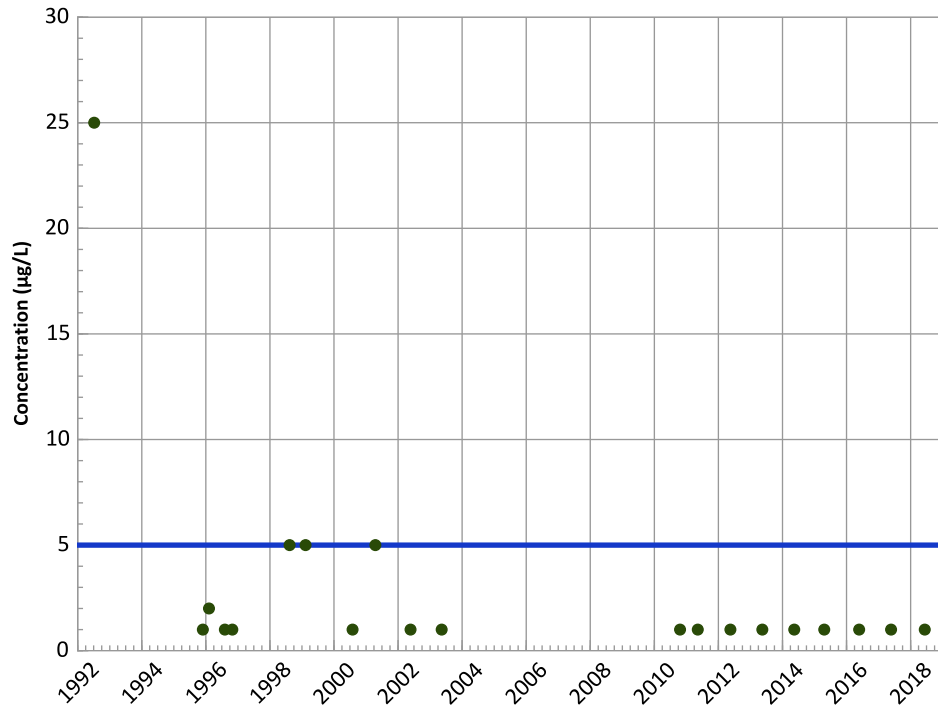
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

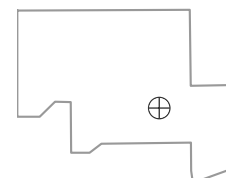
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

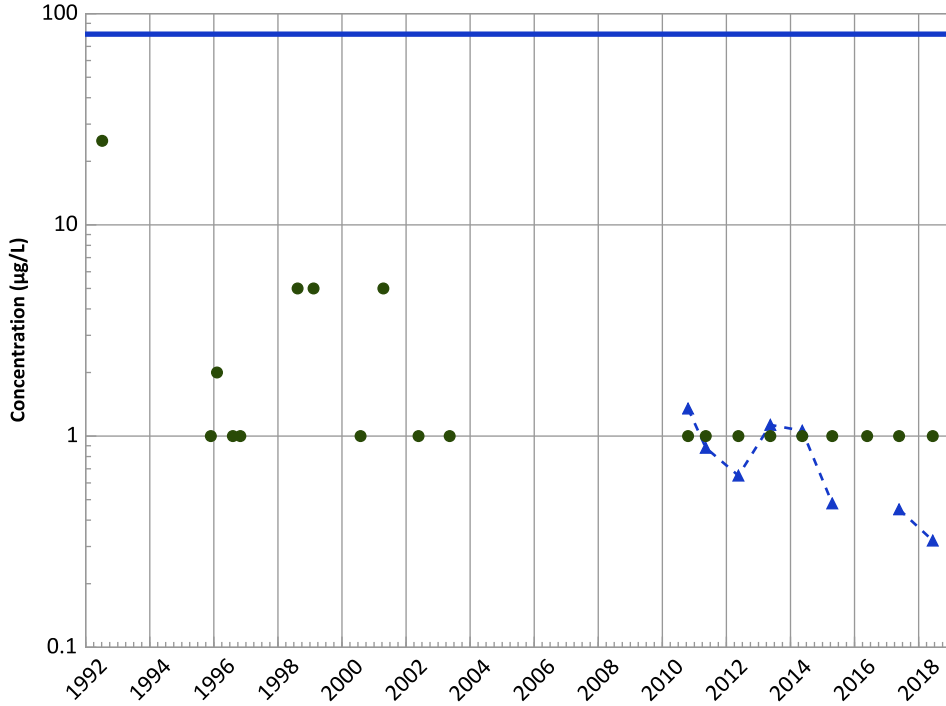


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

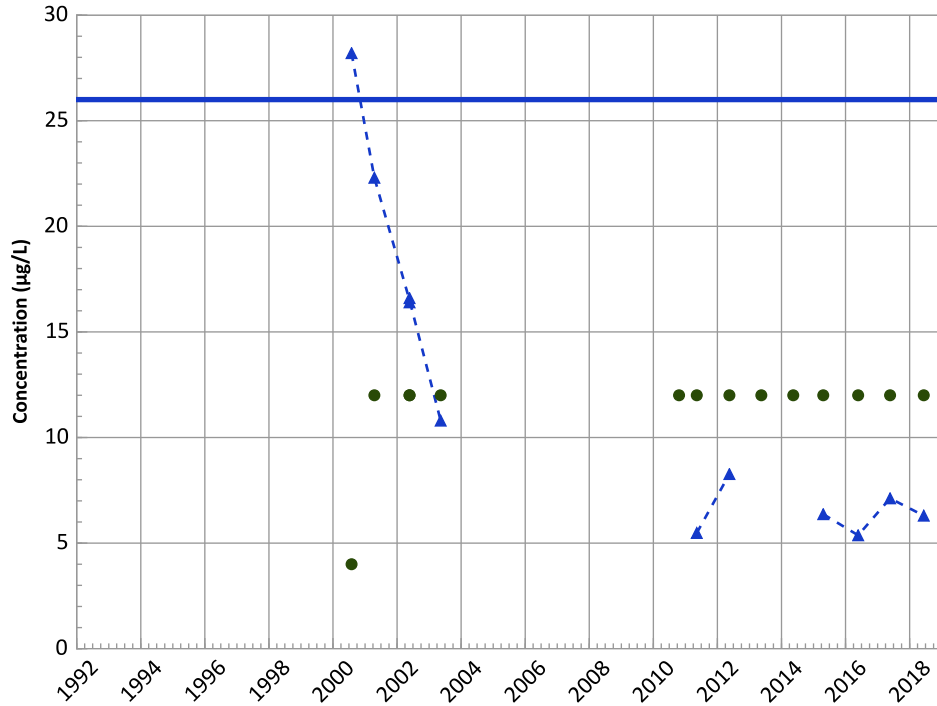
Data (2017 - 2021):

Stable

All Data:

Decreasing

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

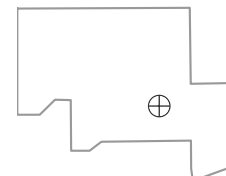
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

Well Location

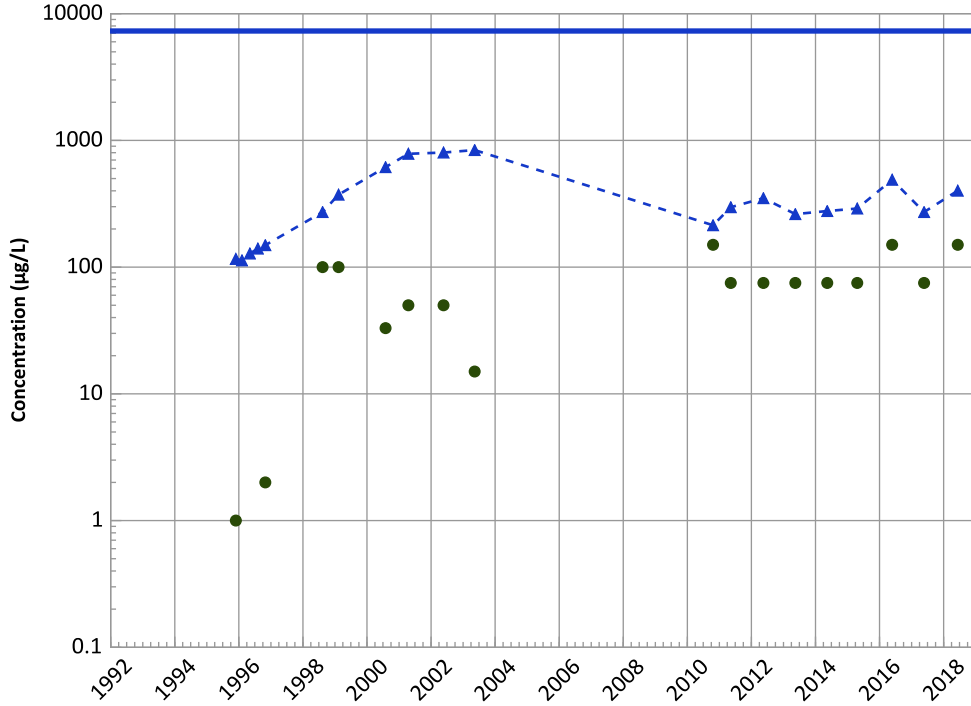


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

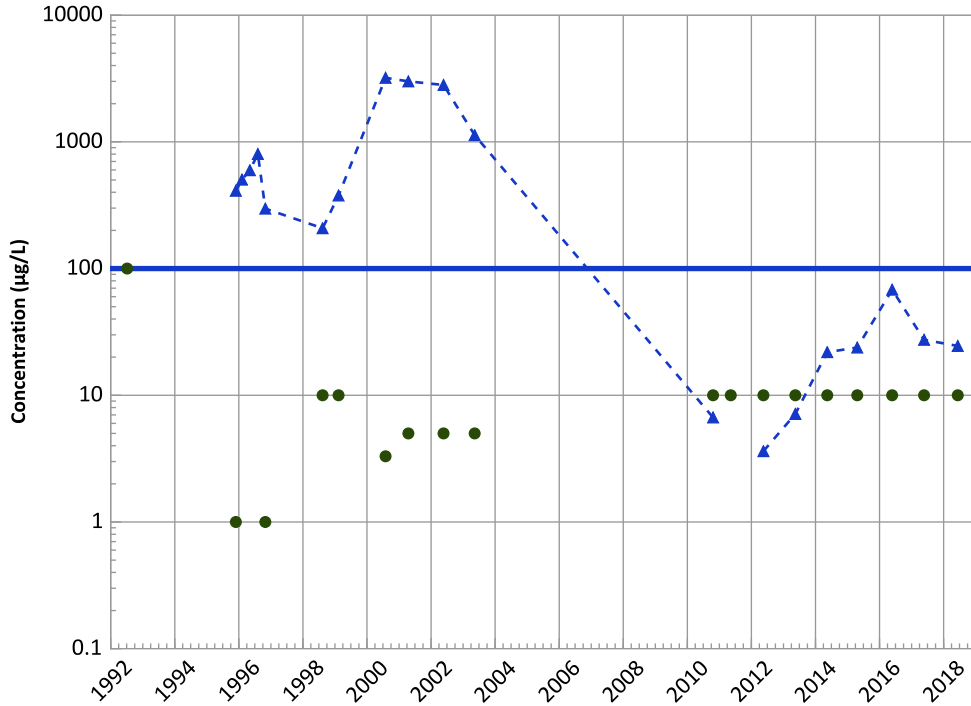


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
No Trend
All Data:
Probably Increasing

Chromium, Total Trend



Concentration Trend

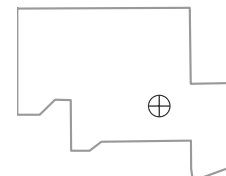
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

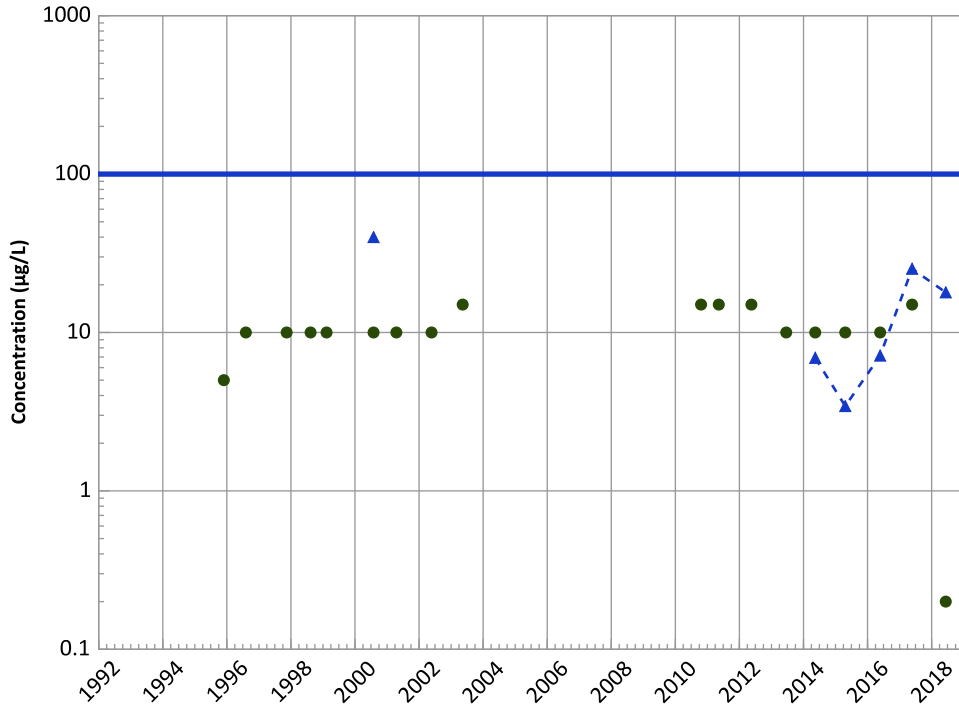
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

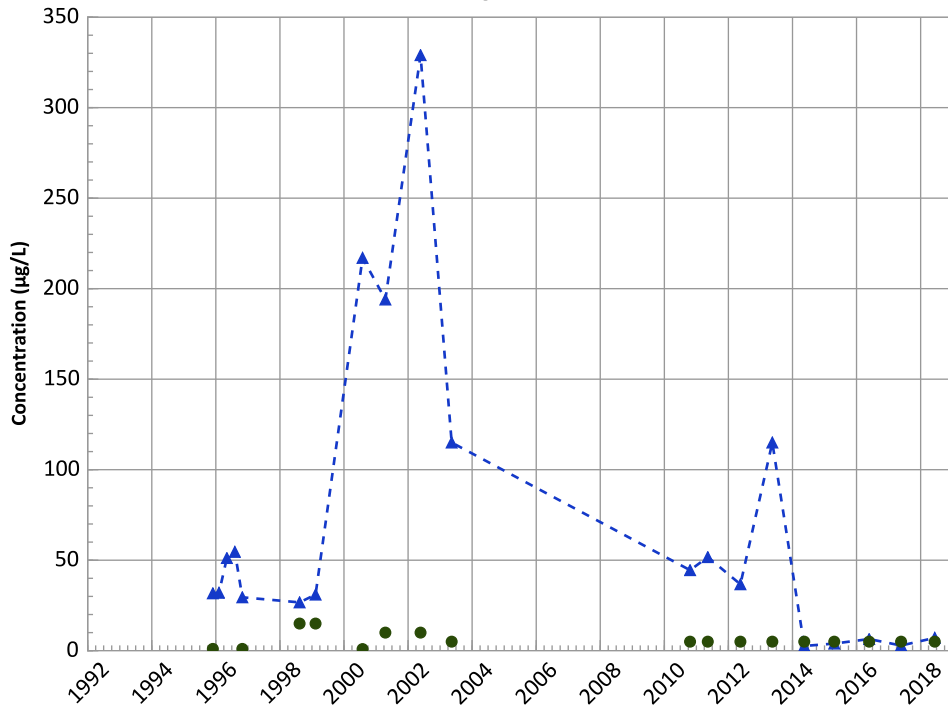


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Manganese Trend

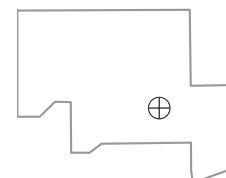


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Well Location

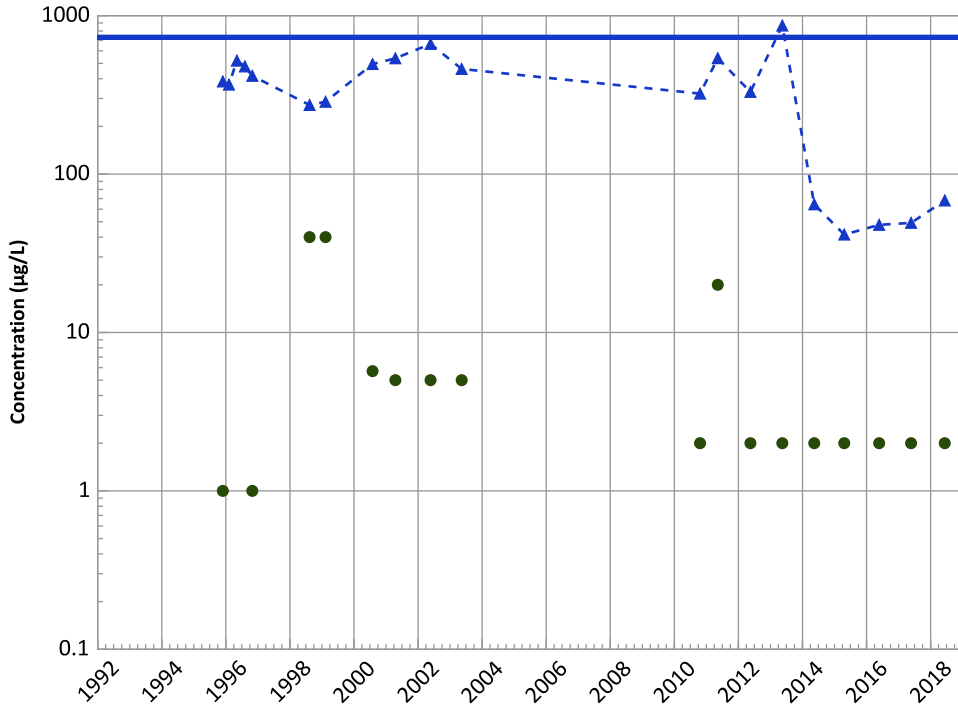


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX10-1014 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

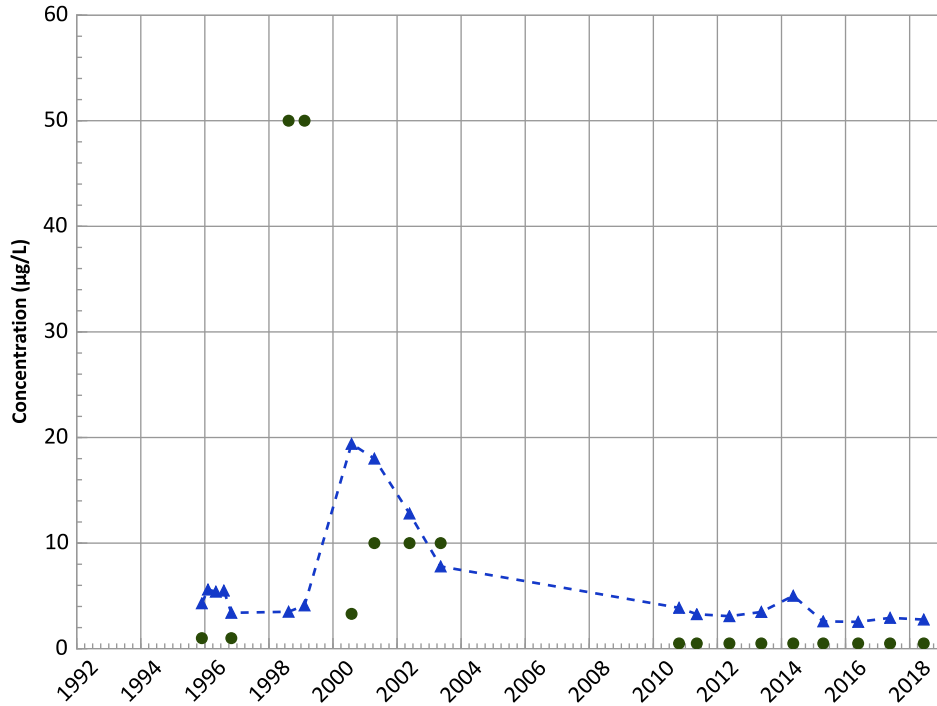
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

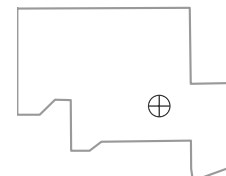
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 07/07/1992 to 06/11/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**ISB Performance Monitoring Well
Analyte Concentration Trends**

Perched Aquifer In Situ Performance Monitoring (ISPM) Well COC Summary Trend Analysis

Well	Easting	Northing	COC	First Date	Last Date	NumS AD	NumD AD	AIIND AD	CV AD	MKS AD	Conf AD	Trend AD	NumS L4S	NumD L4S	AIIND L4S	CV L4S	MKS L4S	Conf L4S	Trend L4S	NumS SSRA	NumD SSRA	AIIND SSRA	CV SSRA	MKS SSRA	Conf SSRA	Trend SSRA
PTX06-1150	635233.98	3754718.24	DCA12	8/30/2008	11/26/2018	31	13	No	0.4822	153.00	0.996	Increasing	4	3	No	0.00	0.00	0	<4 Detections in Data	29	13	No	0.4756079	113.00	0.9825	Increasing
PTX06-1150	635233.98	3754718.24	TCLME	8/30/2008	11/26/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	29	0	Yes	0	0.00	0	All Non-Detect
PTX06-1150	635233.98	3754718.24	VC	8/30/2008	11/26/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	29	0	Yes	0	0.00	0	All Non-Detect
PTX06-1150	635233.98	3754718.24	PERC	8/30/2008	11/26/2018	31	30	No	0.7234	-197.00	1	Decreasing	4	4	No	0.28006	-5.00	1	Decreasing	29	29	No	0.659051	-254.00	1	Decreasing
PTX06-1150	635233.98	3754718.24	BA	8/26/2009	11/26/2018	29	29	No	0.2549	218.00	1	Increasing	4	4	No	0.14829	6.00	0.958	Increasing	29	29	No	0.2548599	218.00	1	Increasing
PTX06-1150	635233.98	3754718.24	CR	8/30/2008	11/26/2018	22	20	No	0.8422	-53.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	20	18	No	0.8361973	-52.00	1	Decreasing
PTX06-1150	635233.98	3754718.24	AL	8/30/2008	11/26/2018	24	7	No	4.3739	39.00	0.825	No Trend	4	0	Yes	0	0.00	0	All Non-Detect	22	5	No	0.6272503	84.00	1	Increasing
PTX06-1150	635233.98	3754718.24	AS	1/27/2014	11/26/2018	20	12	No	2.0583	36.00	0.87	No Trend	4	1	No	0	0.00	0	<4 Detections in Data	20	12	No	2.1082846	36.00	0.87	No Trend
PTX06-1150	635233.98	3754718.24	BA	8/30/2008	11/26/2018	24	24	No	0.6996	120.00	0.999	Increasing	4	4	No	0.69709	4.00	0.833	No Trend	22	22	No	0.6165668	159.00	1	Increasing
PTX06-1150	635233.98	3754718.24	CA	8/30/2008	11/26/2018	24	24	No	0.15374	127.00	0.999	Increasing	4	4	No	0.15374	4.00	0.833	No Trend	22	22	No	0.2037326	172.00	1	Increasing
PTX06-1150	635233.98	3754718.24	FE	8/30/2008	11/26/2018	24	24	No	2.8423	-115.00	1	Decreasing	4	4	No	1.67509	0.00	0.375	No Trend	22	22	No	0.9229449	-72.00	1	Decreasing
PTX06-1150	635233.98	3754718.24	K	8/30/2008	11/26/2018	24	24	No	0.1997	62.00	0.934	Probably Increasing	4	4	No	0.24896	2.00	0.625	No Trend	22	22	No	0.1428016	81.00	1	Increasing
PTX06-1150	635233.98	3754718.24	MG	8/30/2008	11/26/2018	24	24	No	0.1894	138.00	1	Increasing	4	4	No	0.15898	4.00	0.833	No Trend	22	22	No	0.1967651	135.00	1	Increasing
PTX06-1150	635233.98	3754718.24	MM	8/30/2008	11/26/2018	24	23	No	3.5832	108.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	22	21	No	4.4370668	-67.00	1	Decreasing
PTX06-1150	635233.98	3754718.24	MO	8/30/2008	11/26/2018	22	21	No	0.4312	47.00	0.901	Probably Increasing	4	3	No	0	0.00	0	<4 Detections in Data	20	19	No	0.3544917	12.00	0.638	No Trend
PTX06-1150	635233.98	3754718.24	NA	8/30/2008	11/26/2018	24	24	No	0.3406	127.00	0.999	Increasing	4	4	No	0.52525	3.00	0.729	No Trend	22	22	No	0.3512858	114.00	1	Increasing
PTX06-1150	635233.98	3754718.24	NI	8/30/2008	11/26/2018	22	21	No	0.7803	25.00	0.748	No Trend	4	3	No	0	0.00	0	<4 Detections in Data	20	19	No	0.7176656	-10.00	1	Decreasing
PTX06-1150	635233.98	3754718.24	TVFA	8/30/2008	11/26/2018	22	21	No	0.913	-90.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	20	19	No	0.2127846	-49.00	1	Decreasing
PTX06-1150	635233.98	3754718.24	TOC	8/30/2008	11/26/2018	23	15	No	0.5843	46.00	0.881	No Trend	4	4	No	0.27207	2.00	0.625	No Trend	21	13	No	0.5819398	59.00	1	Increasing
PTX06-1150	635233.98	3754718.24	TVFA	5/1/2013	11/26/2018	21	21	No	1.6602	-56.00	1	Decreasing	4	4	No	0.81338	0.00	0.375	Stable	21	21	No	1.66022	-56.00	1	Decreasing
PTX06-1153	641184.13	3752089.44	RDX	10/27/2009	10/29/2018	38	38	No	0.26481	179.00	0.988	Increasing	4	4	No	0.26481	6.00	0.958	Increasing	38	38	No	0.2644963	179.00	0.988	Increasing
PTX06-1153	641184.13	3752089.44	HMX	10/27/2009	10/29/2018	38	38	No	0.2652	273.00	1	Increasing	4	4	No	0.08906	3.00	0.729	No Trend	38	38	No	0.2651986	273.00	1	Increasing
PTX06-1153	641184.13	3752089.44	TNT	10/27/2009	10/29/2018	38	1	No	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	38	1	No	0	0.00	0	<4 Detections in Data
PTX06-1153	641184.13	3752089.44	DNT24	10/27/2009	10/29/2018	38	2	No	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	<4 Detections in Data	38	2	No	0	0.00	0	<4 Detections in Data
PTX06-1153	641184.13	3752089.44	DNT26	10/27/2009	10/29/2018	38	3	No	2.7409	73.00	0.816	No Trend	4	0	Yes	0	0.00	0	All Non-Detect	38	5	No	2.7409224	73.00	0.816	No Trend
PTX06-1153	641184.13	3752089.44	DNT2A	10/27/2009	10/29/2018	38	33	No	1.4931	296.00	1	Increasing	4	3	No	0	0.00	0	<4 Detections in Data	38	33	No	1.4930989	296.00	1	Increasing
PTX06-1153	641184.13	3752089.44	DNT4A	3/18/2010	10/29/2018	37	32	No	1.1939	-58.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	37	32	No	1.1938603	-58.00	1	Decreasing
PTX06-1153	641184.13	3752089.44	TNB135	10/27/2009	10/29/2018	38	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	38	0	Yes	0	0.00	0	All Non-Detect
PTX06-1153	641184.13	3752089.44	DNB13	10/27/2009	10/29/2018	38	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	38	0	Yes	0	0.00	0	All Non-Detect
PTX06-1153	641184.13	3752089.44	MNX	10/27/2009	10/29/2018	38	36	No	1.2015	97.00	0.885	No Trend	4	4	No	0.36185	4.00	0.833	No Trend	38	36	No	1.2014764	97.00	0.885	No Trend
PTX06-1153	641184.13	3752089.44	DNX	10/27/2009	10/29/2018	38	36	No	1.6565	145.00	0.965	Increasing	4	4	No	0.51938	4.00	0.833	No Trend	38	36	No	1.656494	145.00	0.965	Increasing
PTX06-1153	641184.13	3752089.44	TNX	10/27/2009	10/29/2018	38	36	No	1.2064	106.00	0.906	Probably Increasing	4	4	No	0.44731	6.00	0.958	Increasing	38	36	No	1.2063648	106.00	0.906	Probably Increasing
PTX06-1153	641184.13	3752089.44	PCE	10/27/2009	10/29/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1153	641184.13	3752089.44	DCE12C	10/27/2009	10/29/2018	37	33	No	0.6323	-394.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	37	33	No	0.6323665	-394.00	1	Decreasing
PTX06-1153	641184.13	3752089.44	DCE12C	10/27/2009	10/29/2018	37	10	No	0.4065	173.00	0.985	Increasing	4	0	Yes	0	0.00	0	All Non-Detect	37	10	No	0.4064889	173.00	0.985	Increasing
PTX06-1153	641184.13	3752089.44	DCE12T	10/27/2009	10/29/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1153	641184.13	3752089.44	DCA12	10/27/2009	10/29/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	37	1	No	0	0.00	0	<4 Detections in Data
PTX06-1153	641184.13	3752089.44	TCLME	10/27/2009	10/29/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1153	641184.13	3752089.44	VC	10/27/2009	10/29/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1153	641184.13	3752089.44	CR	10/27/2009	10/29/2018	37	37	No	0.2084	345.00	1	Increasing	4	4	No	0.04536	1.00	0.5	No Trend	37	37	No	0.2084092	345.00	1	Increasing
PTX06-1153	641184.13	3752089.44	BA	10/27/2009	10/29/2018	37	37	No	0.5597	-40.00	1	Decreasing	4	4	No	0.09336	-1.00	1	Decreasing	37	37	No	0.5597044	-40.00	1	Decreasing
PTX06-1153	641184.13	3752089.44	CR-6	10/27/2009	10/29/2018	37	34	No	0.7245	-103.00	1	Decreasing	4	4	No	0.41605	0.00	0.375	Stable	37	34	No	0.7245003	-103.00	1	Decreasing
PTX06-1153	641184.13	3752089.44	AL	10/27/2009	10/29/2018	37	6	No	1.0333	243.00	0.999	Increasing	4	1	No	0	0.00	0	<4 Detections in Data	37	6	No	1.033202	243.00	0.999	Increasing
PTX06-1153	641184.13	3752089.44	CE	10/27/2009	10/29/2018	37	26	No	0.551	-28.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	37	26	No	0.551034	-28.00	1	Decreasing
PTX06-1153	641184.13	3752089.44	BA	10/27/2009																						

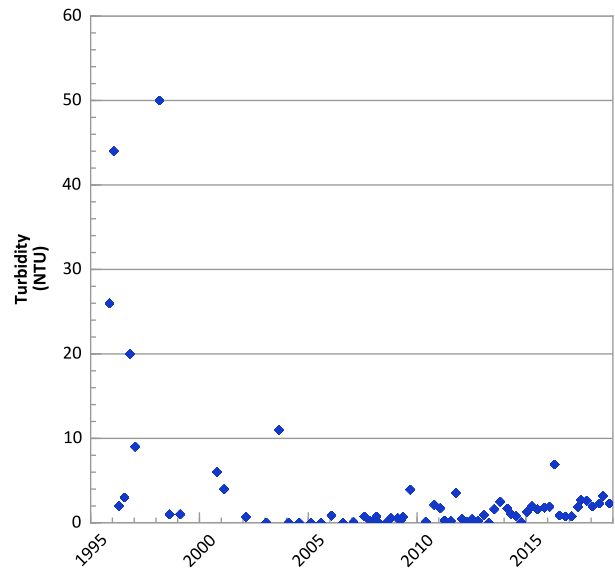
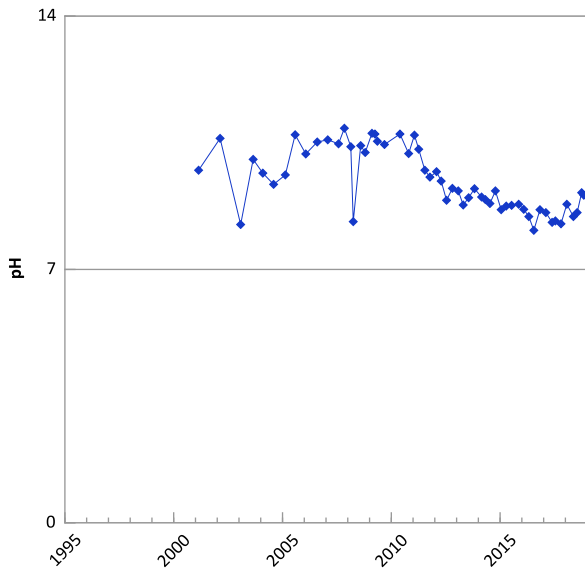
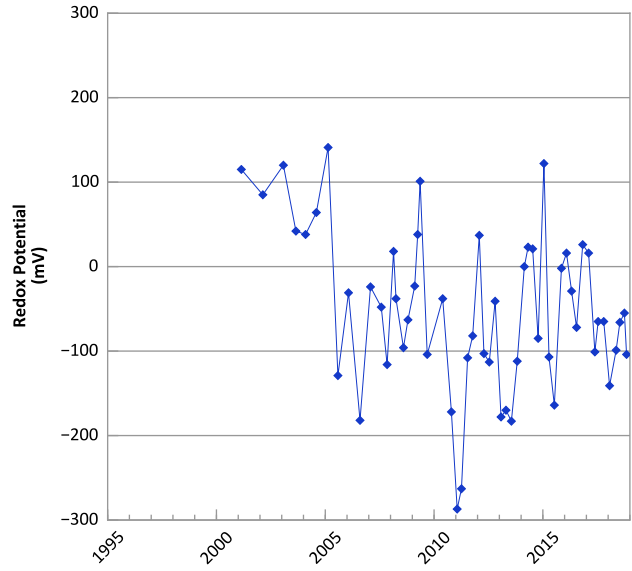
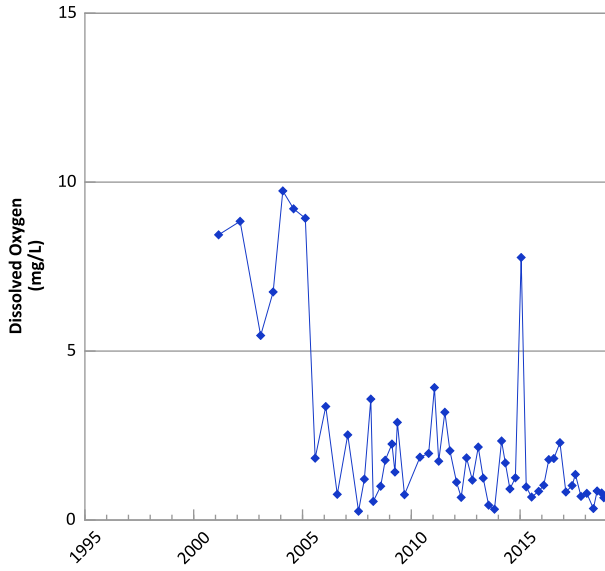
Perched Aquifer In Situ Performance Monitoring (ISPM) Well COC Summary Trend Analysis

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
PTX06-1154	641870.52	3752279.90	TVFA	10/27/2009	10/29/2018	37	36	No	3.2424	-353.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	37	36	No	3.2424464	-353.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	RDX	10/26/2009	11/6/2018	36	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	36	1	No	0	0.00	0	<4 Detections in Data
PTX06-1155	634603.74	3755215.62	HMX	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	TNT	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	DNT24	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	DNT26	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	DNT2A	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	DNT4A	10/26/2009	11/6/2018	37	7	No	1.4446	-254.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	37	7	No	1.4446414	-254.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	TNB135	3/23/2010	11/6/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	36	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	DNB13	10/26/2009	11/6/2018	36	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	36	1	No	0	0.00	0	<4 Detections in Data
PTX06-1155	634603.74	3755215.62	MNX	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	DNX	10/26/2009	11/6/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	36	0	Yes	0	0.00	0	All Non-Detect
PTX06-1155	634603.74	3755215.62	TNX	10/26/2009	11/6/2018	36	3	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	36	3	No	0	0.00	0	<4 Detections in Data
PTX06-1155	634603.74	3755215.62	DIOXANE14	10/26/2009	11/6/2018	37	37	No	0.6357	393.00	1	Increasing	4	4	No	0.23385	4.00	0.833	No Trend	37	37	No	0.6356518	393.00	1	Increasing
PTX06-1155	634603.74	3755215.62	PCE	10/26/2009	11/6/2018	37	17	No	0.2798	113.00	0.928	Probably Increasing	4	0	Yes	0	0.00	0	All Non-Detect	37	17	No	0.2797987	113.00	0.928	Probably Increasing
PTX06-1155	634603.74	3755215.62	TCE	10/26/2009	11/6/2018	37	32	No	1.2424	-481.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	37	32	No	1.2424206	-481.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	DCE12C	10/26/2009	11/6/2018	37	37	No	0.7614	194.00	0.995	Increasing	4	4	No	0.11762	0.00	0.375	Stable	37	37	No	0.7613872	194.00	0.995	Increasing
PTX06-1155	634603.74	3755215.62	DCE12T	10/26/2009	11/6/2018	37	30	No	1.1776	-86.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	37	30	No	1.1776417	-86.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	DCA12	10/26/2009	11/6/2018	37	37	No	0.7085	-545.00	1	Decreasing	4	4	No	0.1283	5.00	0.8955	No Trend	37	37	No	0.7084753	-545.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	TCLME	10/26/2009	11/6/2018	37	18	No	0.4264	-3.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	37	18	No	0.4263713	-3.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	VC	10/26/2009	11/6/2018	37	25	No	0.7234	-54.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	37	25	No	0.723435	-54.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	PERC	10/26/2009	11/6/2018	37	8	No	2.2597	-205.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	37	8	No	2.2596827	-205.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	B	10/26/2009	11/6/2018	37	36	No	0.3459	274.00	1	Increasing	4	4	No	0.11714	2.00	0.625	No Trend	37	36	No	0.3458834	274.00	1	Increasing
PTX06-1155	634603.74	3755215.62	CR	10/26/2009	11/6/2018	37	21	No	1.1978	-177.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	37	21	No	1.197147	-177.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	AL	10/26/2009	11/6/2018	37	11	No	0.9615	223.00	0.998	Increasing	4	1	No	0	0.00	0	<4 Detections in Data	37	11	No	0.9615412	223.00	0.998	Increasing
PTX06-1155	634603.74	3755215.62	AS	10/26/2009	11/6/2018	37	36	No	0.5906	455.00	1	Increasing	4	4	No	0.20309	4.00	0.833	No Trend	37	36	No	0.5906334	455.00	1	Increasing
PTX06-1155	634603.74	3755215.62	BA	10/26/2009	11/6/2018	37	37	No	0.5127	275.00	1	Increasing	4	4	No	0.13909	0.00	0.375	Stable	37	37	No	0.5126614	275.00	1	Increasing
PTX06-1155	634603.74	3755215.62	CA	10/26/2009	11/6/2018	37	37	No	0.3691	315.00	1	Increasing	4	4	No	0.15603	-3.00	1	Decreasing	37	37	No	0.3690939	315.00	1	Increasing
PTX06-1155	634603.74	3755215.62	KE	10/26/2009	11/6/2018	37	37	No	0.8301	143.00	0.9685	Increasing	4	4	No	0.19671	2.00	0.625	No Trend	37	37	No	0.830121	143.00	0.9685	Increasing
PTX06-1155	634603.74	3755215.62	K	10/26/2009	11/6/2018	37	37	No	0.1861	334.00	1	Increasing	4	4	No	0.15849	-2.00	1	Decreasing	37	37	No	0.1860846	334.00	1	Increasing
PTX06-1155	634603.74	3755215.62	MG	10/26/2009	11/6/2018	37	37	No	0.39	351.00	1	Increasing	4	4	No	0.18253	-4.00	1	Decreasing	37	37	No	0.3900133	351.00	1	Increasing
PTX06-1155	634603.74	3755215.62	MN	10/26/2009	11/6/2018	37	37	No	0.8817	74.00	0.829	No Trend	4	4	No	0.11128	-1.00	1	Decreasing	37	37	No	0.8817105	74.00	0.829	No Trend
PTX06-1155	634603.74	3755215.62	MO	10/26/2009	11/6/2018	37	29	No	0.8957	-374.00	1	Decreasing	4	1	No	0	0.00	0	<4 Detections in Data	37	29	No	0.8957178	-374.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	MA	10/26/2009	11/6/2018	37	24	No	0.8666	30.00	1	Increasing	4	1	No	0.4616	4.00	0.833	No Trend	37	24	No	0.8665148	30.00	1	Increasing
PTX06-1155	634603.74	3755215.62	N	10/26/2009	11/6/2018	37	27	No	2.4506	-142.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	37	27	No	2.4505647	-142.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	V	10/26/2009	11/6/2018	37	14	No	1.1684	-108.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	37	14	No	1.1683591	-108.00	1	Decreasing
PTX06-1155	634603.74	3755215.62	TCC	10/26/2009	11/6/2018	37	36	No	1.8582	129.00	0.953	Increasing	4	4	No	0.03509	-1.00	1	Decreasing	37	36	No	1.8581889	129.00	0.953	Increasing
PTX06-1155	634603.74	3755215.62	TVFA	10/26/2009	11/6/2018	37	36	No	2.5786	-178.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	37	36	No	2.5786477	-178.00	1	Decreasing
PTX06-1156	636378.92	3755076.47	RDX	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1156	636378.92	3755076.47	HMX	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1156	636378.92	3755076.47	TNT	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1156	636378.92	3755076.47	DNT24	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1156	636378.92	3755076.47	DNT26	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1156	636378.92	3755076.47	DNT4A	10/26/2009	11/6/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	37	0	Yes	0	0.00	0	All Non-Detect
PTX06-1156	636378.92	3755076.47	TNB135	10/26/2009	11/6/2018	37	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	37	1	No	0	0.00	0	<4 Detections

Perched Aquifer In Situ Performance Monitoring (ISPM) Well COC Summary Trend Analysis

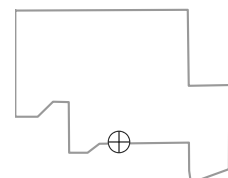
Well	Easting	Northing	COC	First Date	Last Date	NumS AD	NumD AD	AI/ND AD	CV AD	MKS AD	Conf AD	Trend AD	NumS L4S	NumD L4S	AI/ND L4S	CV L4S	MKS L4S	Conf L4S	Trend L4S	NumS SSRA	NumD SSRA	AI/ND SSRA	CV SSRA	MKS SSRA	Conf SSRA	Trend SSRA
PTX06-1173	634197.62	3755312.40	DCE12T	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1173	634197.62	3755312.40	DCA12	6/8/2016	11/7/2018	9	9	No	0.1265	-12.00	1	Decreasing	4	4	No	0.14337	-5.00	1	Decreasing	9	9	No	0.1264988	-12.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	TCLME	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1173	634197.62	3755312.40	VG	6/8/2016	11/7/2018	9	5	No	0.5602	-1.00	1	Decreasing	4	2	No	0	0.00	0	<4 Detections in Data	9	5	No	0.5602217	-1.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	PERC	6/8/2016	11/7/2018	9	2	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	2	No	0	0.00	0	<4 Detections in Data
PTX06-1173	634197.62	3755312.40	B	6/8/2016	11/7/2018	9	9	No	0.1416	9.00	0.7915	No Trend	4	4	No	0.11668	2.00	0.625	No Trend	9	9	No	0.1415902	9.00	0.7915	No Trend
PTX06-1173	634197.62	3755312.40	CR	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1173	634197.62	3755312.40	AL	6/8/2016	11/7/2018	9	3	No	0	0.00	0	<4 Detections in Data	4	2	No	0	0.00	0	<4 Detections in Data	9	3	No	0	0.00	0	<4 Detections in Data
PTX06-1173	634197.62	3755312.40	BA	6/8/2016	11/7/2018	9	9	No	0.4587	28.00	0.999	Increasing	4	4	No	0.1271	0.00	0.375	Stable	9	9	No	0.4586831	28.00	0.999	Increasing
PTX06-1173	634197.62	3755312.40	AS	6/8/2016	11/7/2018	9	9	No	0.438	-13.00	1	Decreasing	4	4	No	0.14381	-3.00	1	Decreasing	9	9	No	0.4380182	-13.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	CA	6/8/2016	11/7/2018	9	9	No	0.3278	-14.00	1	Decreasing	4	4	No	0.11705	-3.00	1	Decreasing	9	9	No	0.3278148	-14.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	FE	6/8/2016	11/7/2018	9	9	No	0.5373	-15.00	1	Decreasing	4	4	No	0.19726	-5.00	1	Decreasing	9	9	No	0.5373347	-15.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	K	6/8/2016	11/7/2018	9	9	No	0.1568	-17.00	1	Decreasing	4	4	No	0.07003	0.00	0.375	Stable	9	9	No	0.1567506	-17.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	MG	6/8/2016	11/7/2018	9	9	No	0.3443	-14.00	1	Decreasing	4	4	No	0.13661	-3.00	1	Decreasing	9	9	No	0.3442857	-14.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	MM	6/8/2016	11/7/2018	9	9	No	0.9003	-19.00	1	Decreasing	4	4	No	0.19764	-5.00	1	Decreasing	9	9	No	0.9002882	-19.00	1	Decreasing
PTX06-1173	634197.62	3755312.40	MO	6/8/2016	11/7/2018	9	7	No	0.4334	3.00	0.5795	No Trend	4	4	No	0.10761	2.00	0.625	No Trend	9	7	No	0.4334148	3.00	0.5795	No Trend
PTX06-1173	634197.62	3755312.40	NA	6/8/2016	11/7/2018	9	9	No	0.7034	32.00	1	Increasing	4	4	No	0.39082	6.00	0.958	Increasing	9	9	No	0.7034274	32.00	1	Increasing
PTX06-1173	634197.62	3755312.40	N	6/8/2016	11/7/2018	9	8	No	0.5023	25.00	0.9955	Increasing	4	4	No	0.41901	6.00	0.958	Increasing	9	8	No	0.5022761	25.00	0.9955	Increasing
PTX06-1173	634197.62	3755312.40	VJ	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1173	634197.62	3755312.40	TOC	6/8/2016	11/7/2018	9	9	No	1.7764	10.00	0.821	No Trend	4	4	No	0.26877	6.00	0.958	Increasing	9	9	No	1.7763877	10.00	0.821	No Trend
PTX06-1173	634197.62	3755312.40	TVFA	6/8/2016	11/7/2018	9	8	No	2.9139	-4.00	1	Decreasing	4	3	No	0	0.00	0	<4 Detections in Data	9	8	No	2.9138856	-4.00	1	Decreasing
PTX06-1174	633904.63	3755489.15	RDX	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	HMX	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	TNT	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	DNT24	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	DNT26	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	DNT2A	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	DNT4A	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	TNB135	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	DNB13	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	MNX	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	DNX	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	TNX	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	DOXANE14	6/8/2016	11/7/2018	9	7	No	0.6766	-3.00	1	Decreasing	4	3	No	0.2811	0.00	0	<4 Detections in Data	9	7	No	0.6766211	-3.00	1	Decreasing
PTX06-1174	633904.63	3755489.15	PCE	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	TCE	6/8/2016	11/7/2018	9	5	No	2.8373	0.00	0.46	No Trend	4	1	No	0	0.00	0	<4 Detections in Data	9	5	No	2.8372551	0.00	0.46	No Trend
PTX06-1174	633904.63	3755489.15	DCE12C	6/8/2016	11/7/2018	9	9	No	1.0833	-8.00	1	Decreasing	4	4	No	1.48752	4.00	0.833	No Trend	9	9	No	1.083277	-8.00	1	Decreasing
PTX06-1174	633904.63	3755489.15	DCE12T	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	DCA12	6/8/2016	11/7/2018	9	6	No	0.8395	9.00	0.7915	No Trend	4	1	No	0	0.00	0	<4 Detections in Data	9	6	No	0.8394958	9.00	0.7915	No Trend
PTX06-1174	633904.63	3755489.15	TCLME	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	VC	6/8/2016	11/7/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1174	633904.63	3755489.15	PERC	6/8/2016	11/7/2018	9	1	No	0	0.00	0	<4 Detections in Data	4	0	Yes	0	0.00	0	All Non-Detect	9	1	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	B	6/8/2016	11/7/2018	9	0	Yes	0.2878	13.00	0.89	No Trend	4	4	No	0.12521	-1.00	1	Decreasing	9	0	Yes	0.2878459	13.00	0.89	No Trend
PTX06-1174	633904.63	3755489.15	BA	6/8/2016	11/7/2018	9	7	No	0	0.00	0	<4 Detections in Data	4	3	No	0	0.00	0	All Non-Detect	9	7	No	0	0.00	0	<4 Detections in Data
PTX06-1174	633904.63	3755489.15	AL	6/8/2016	11/7/2018	9	5	No	0.7727	6.00	0.694	No Trend	4	3	No	0	0.00	0	<4 Detections in Data	9	5	No	0.772662	6.00	0.694	No Trend
PTX06-1174	633904.63	3755489.15	AS	6/8/2016	11/7/2018	9	9	No	0.4108	16.00	0.94	Probably Increasing	4	4	No	0.21095	-2.00	1	Decreasing	9	9	No	0.4107503	16.00		

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



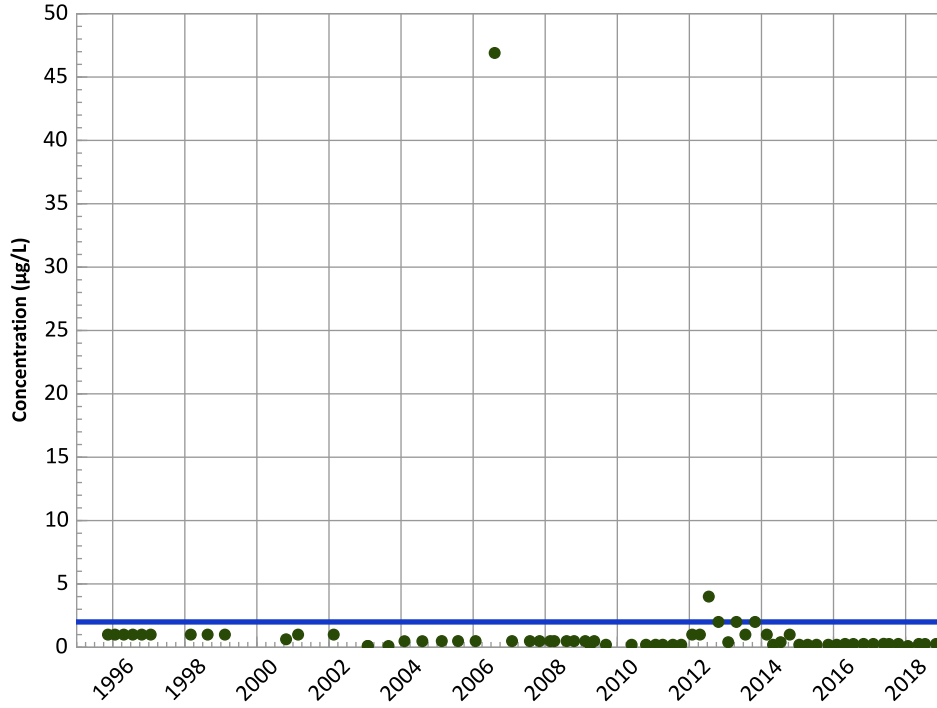
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/14/1995 to 11/06/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

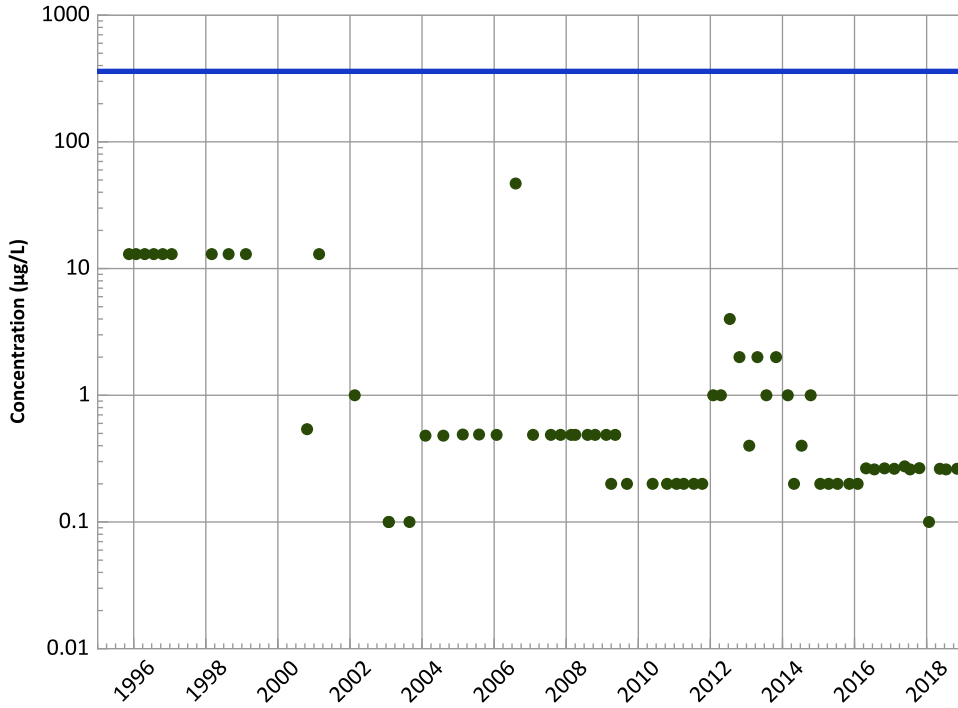
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

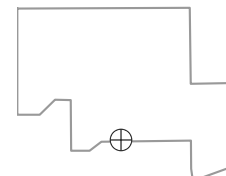
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

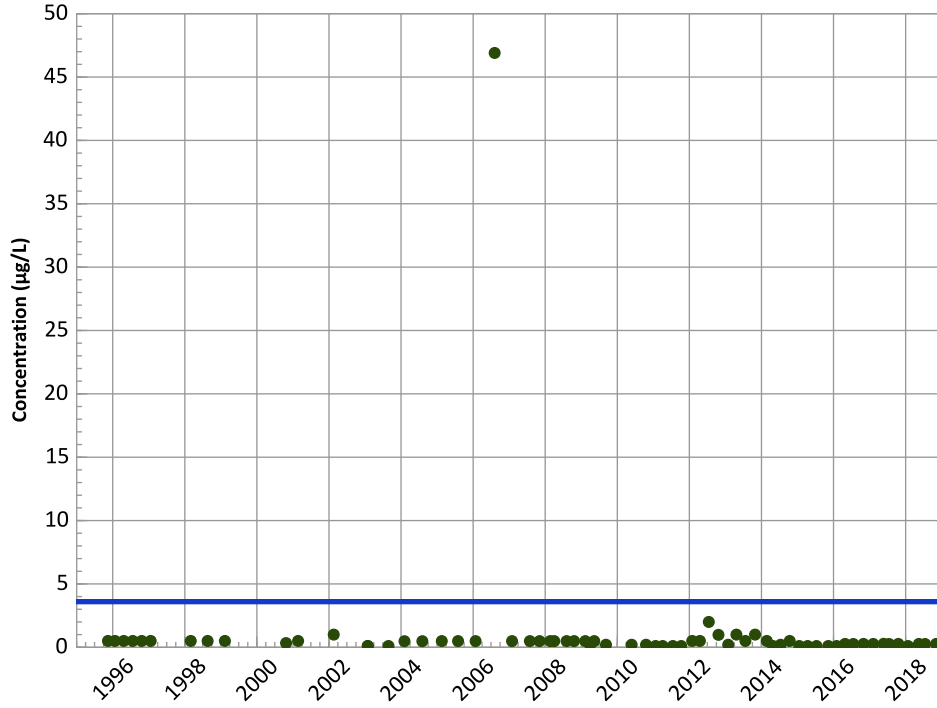
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

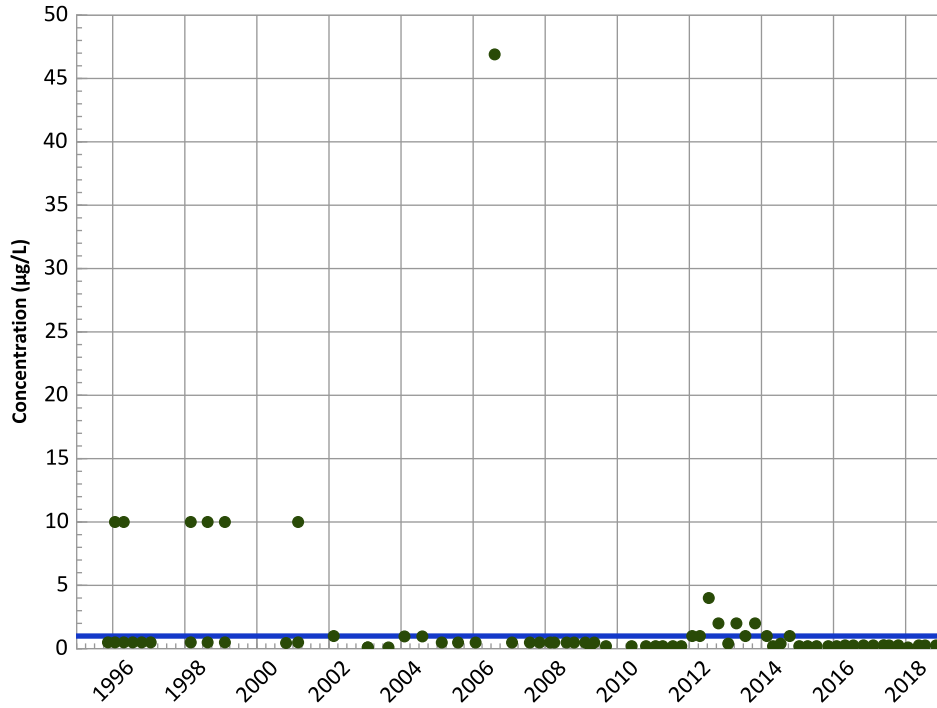
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

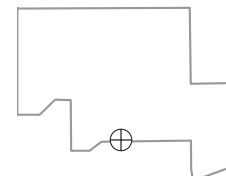
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

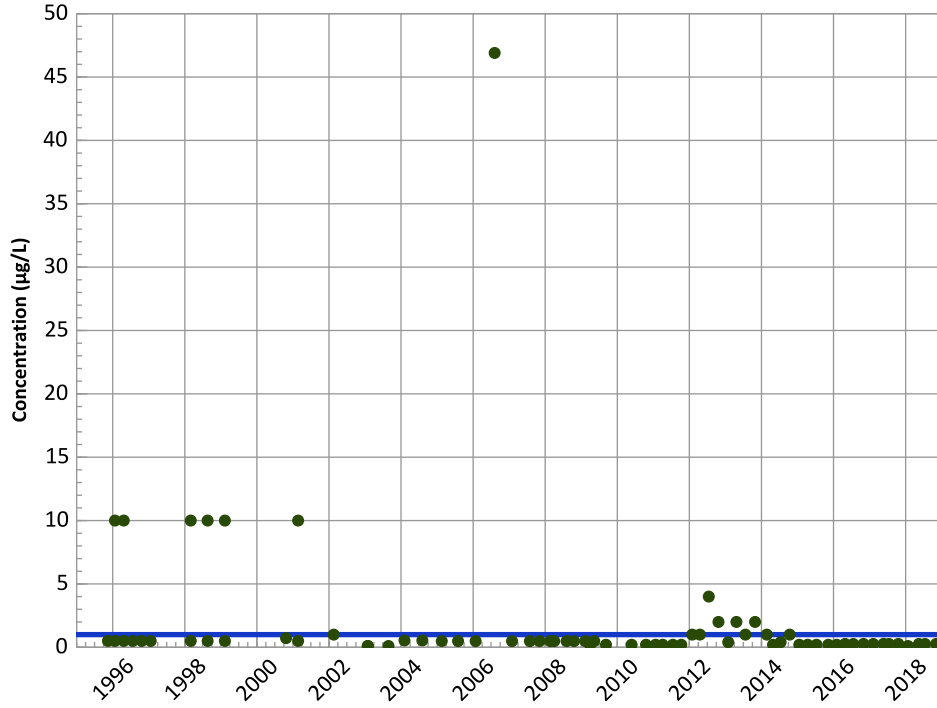
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

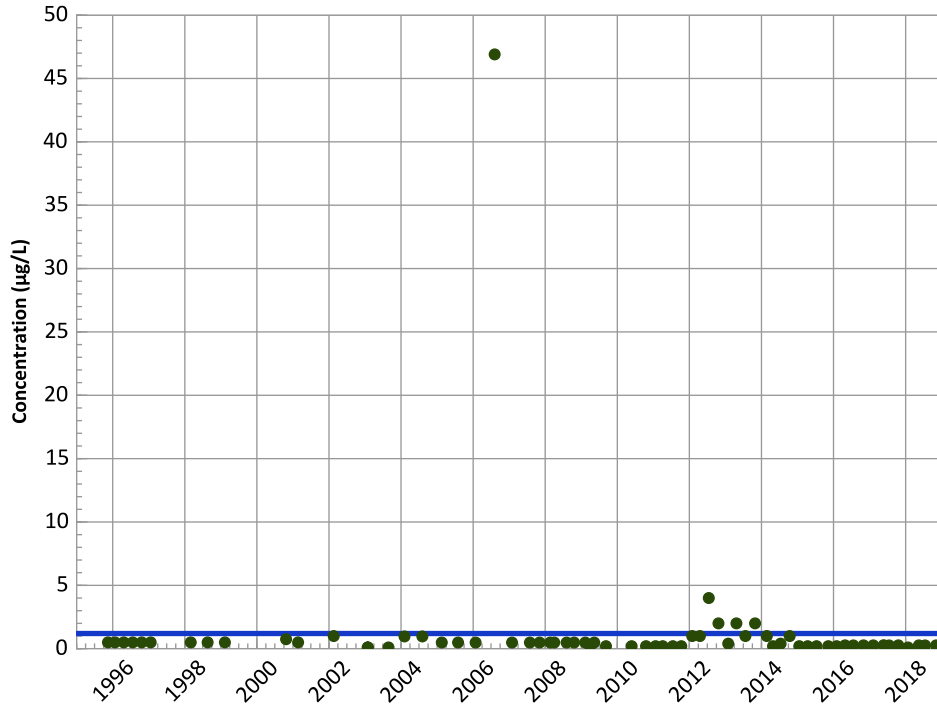
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

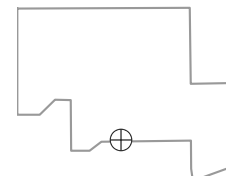
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

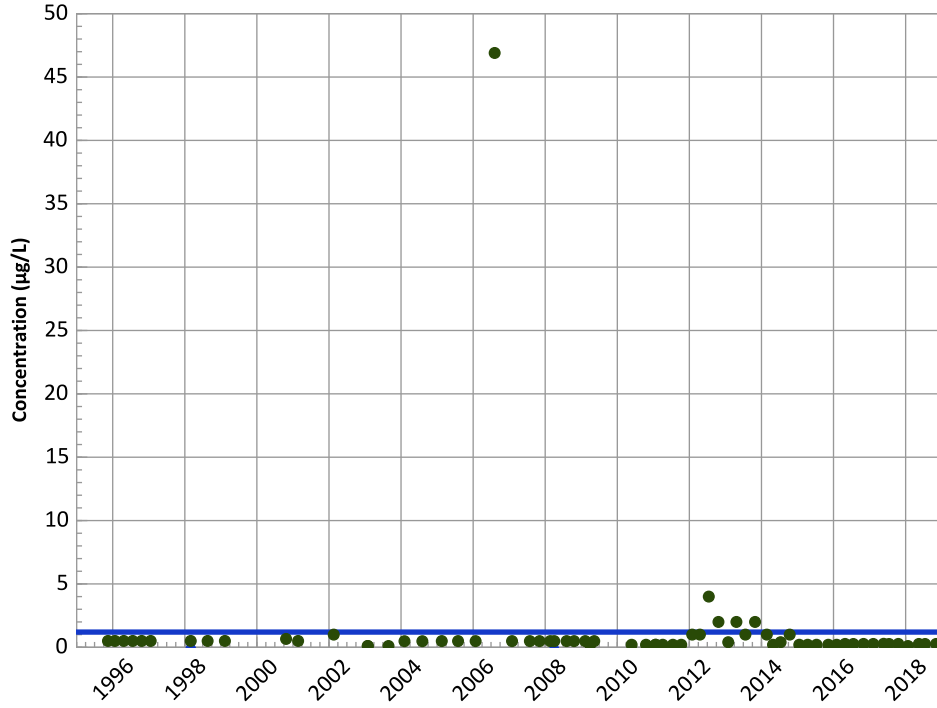
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

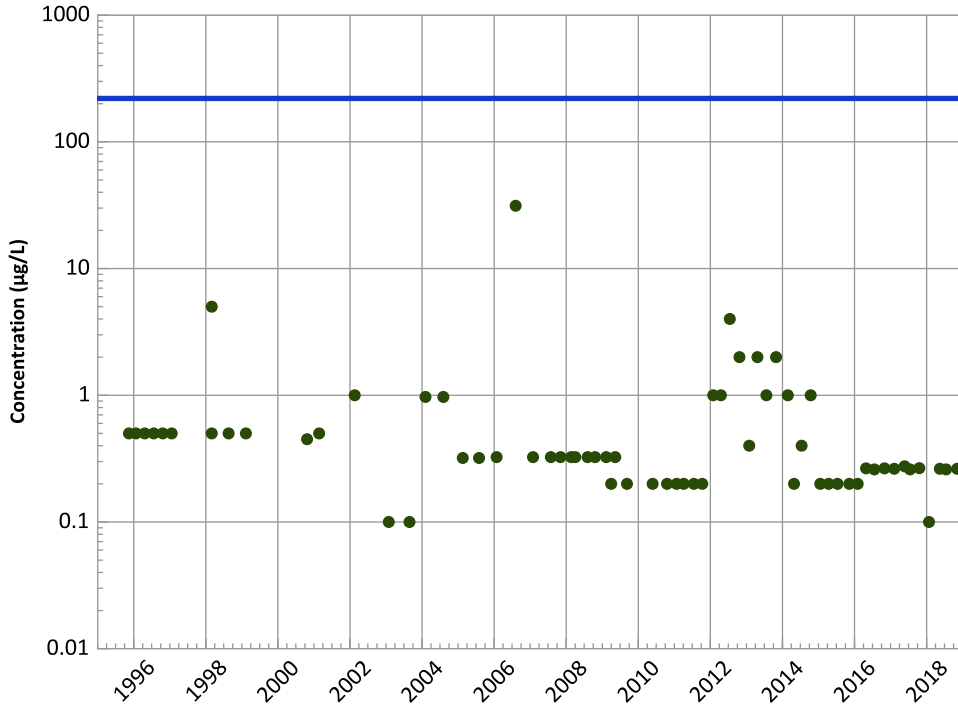
Data (2017 - 2021):

All Non-Detect

All Data:

Stable

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

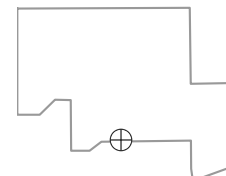
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

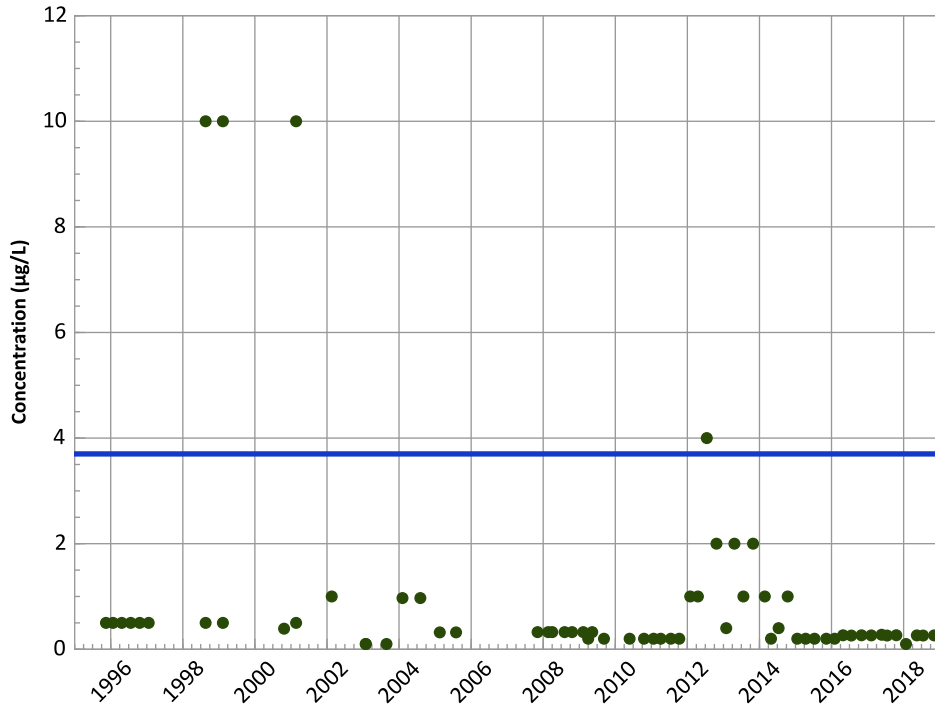
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

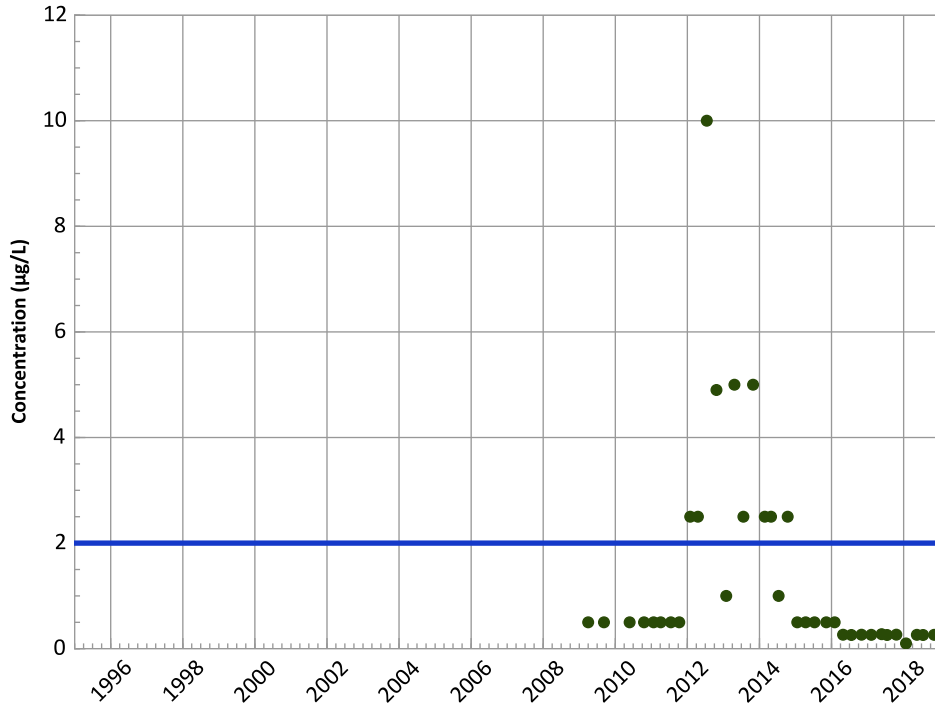
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

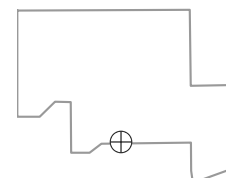
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

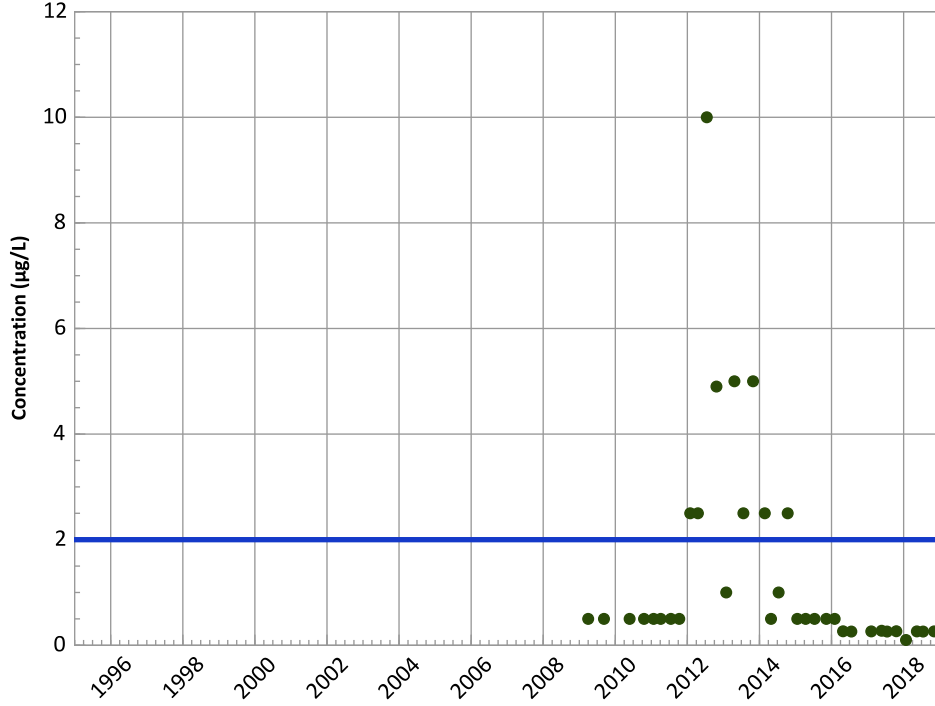
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

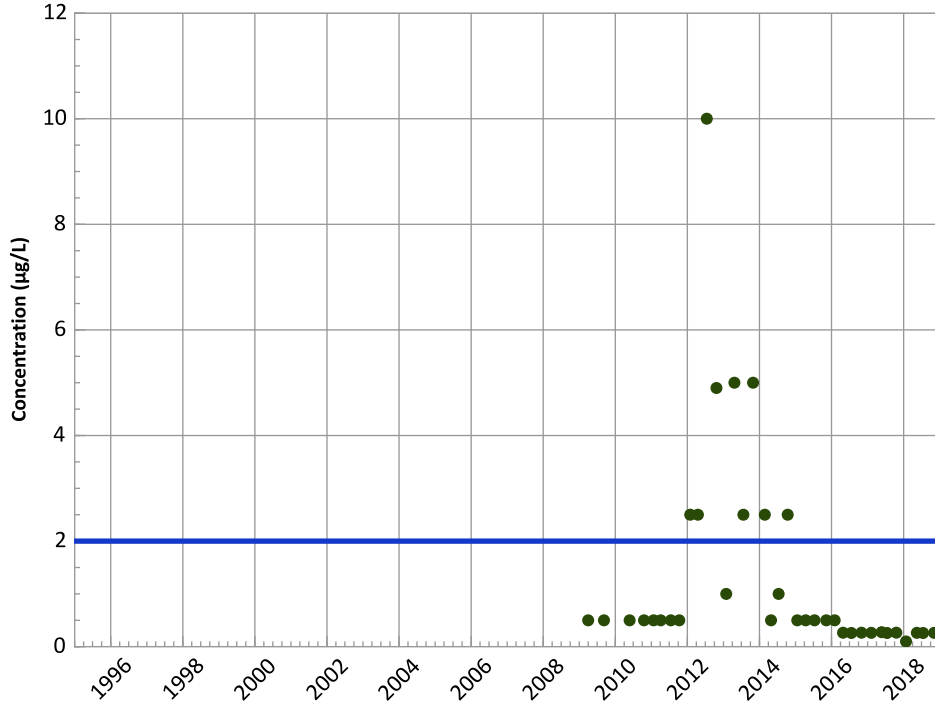
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

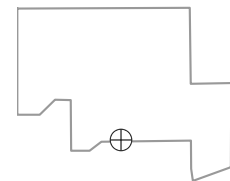
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

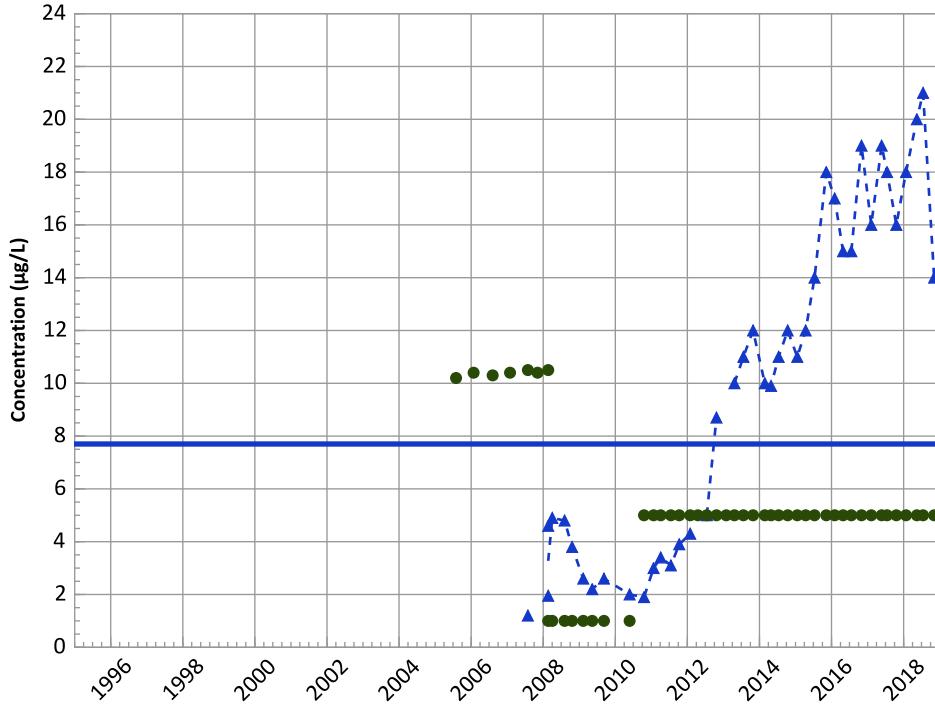
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,4-Dioxane (p-Dioxane) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

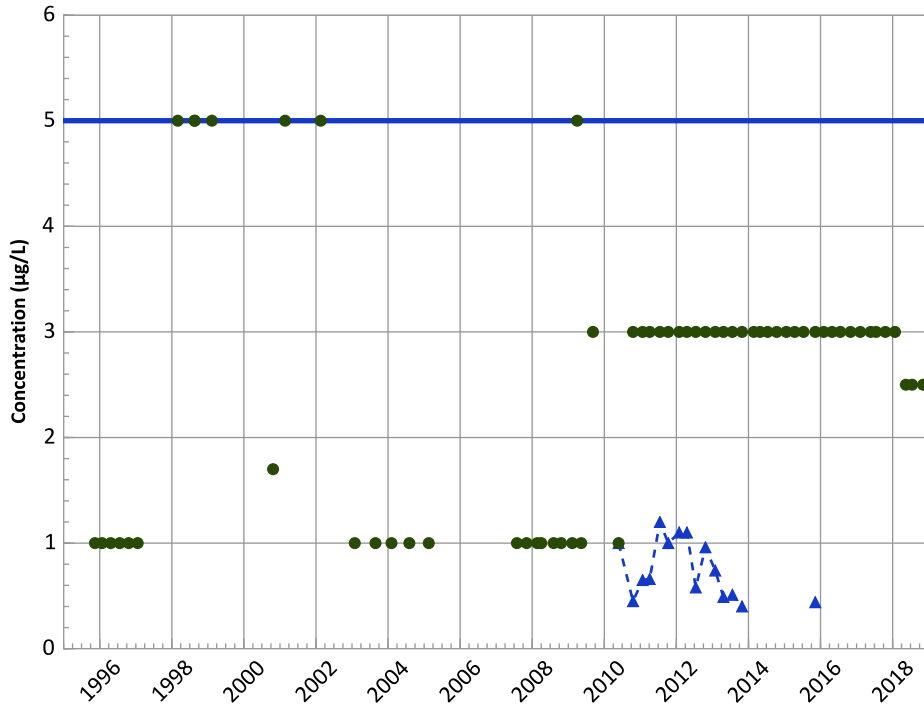
Data (2017 - 2021):

Increasing

All Data:

Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

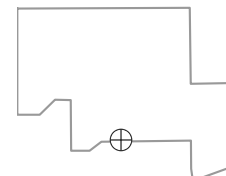
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

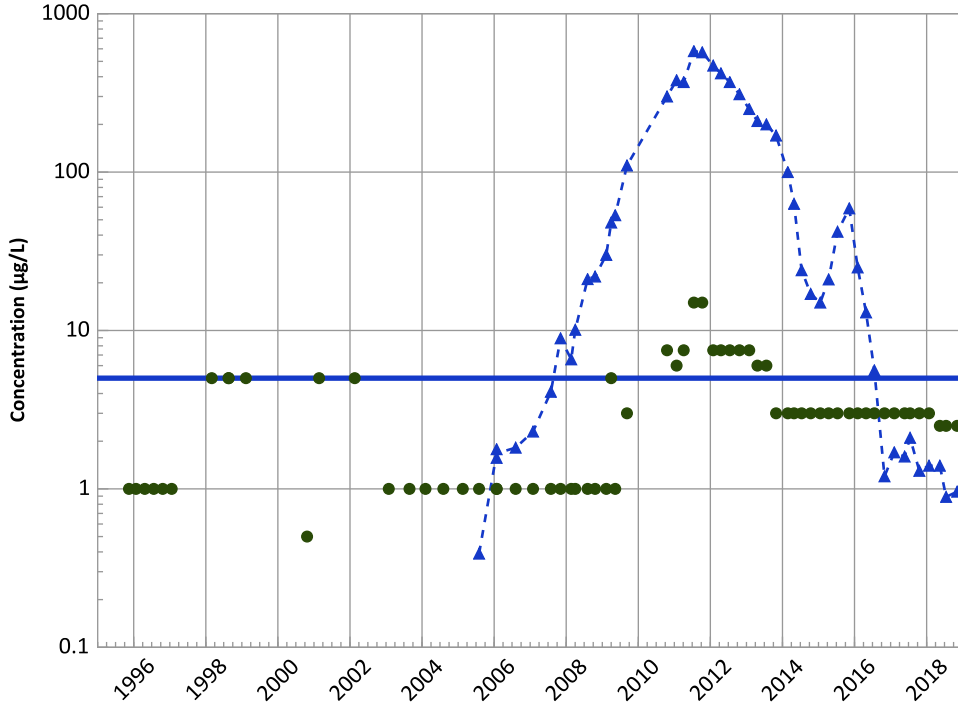
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

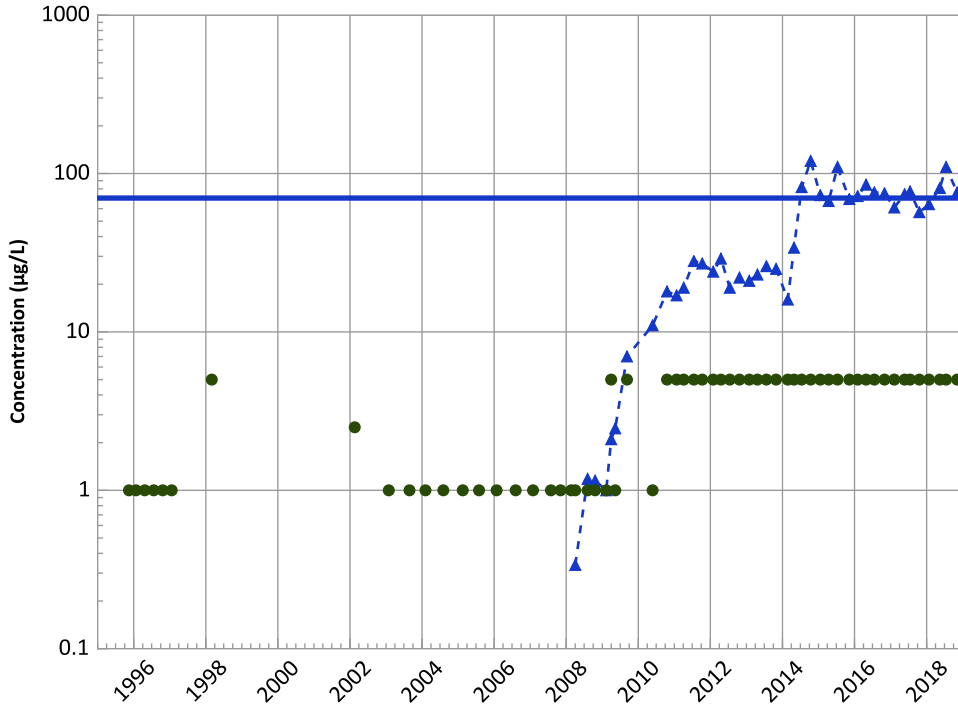
Data (2017 - 2021):

Decreasing

All Data:

No Trend

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

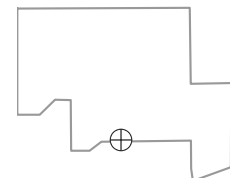
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

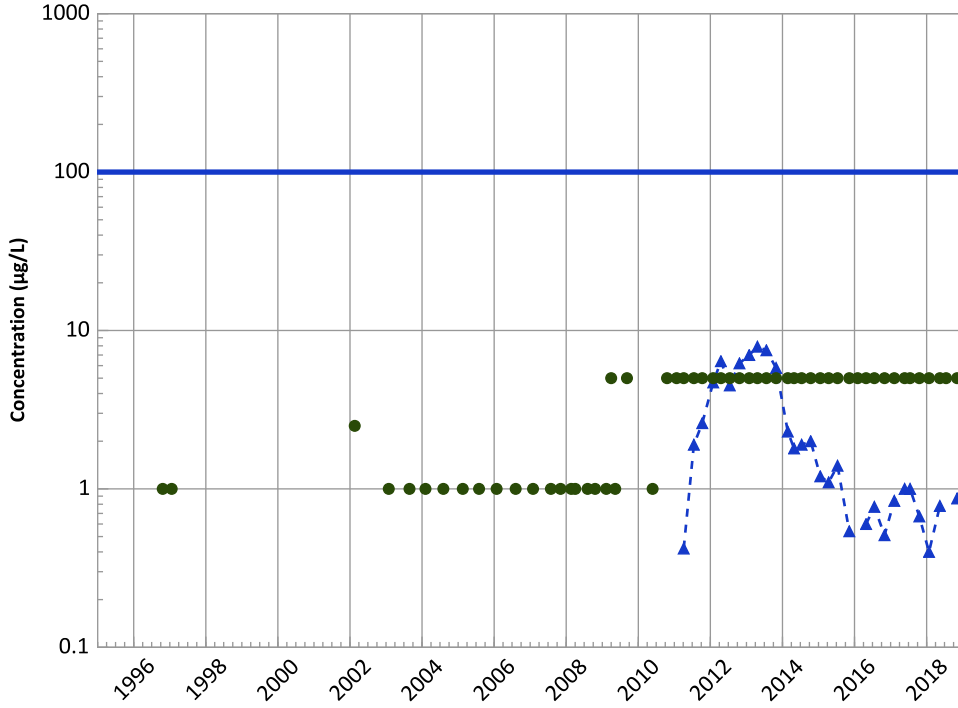
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

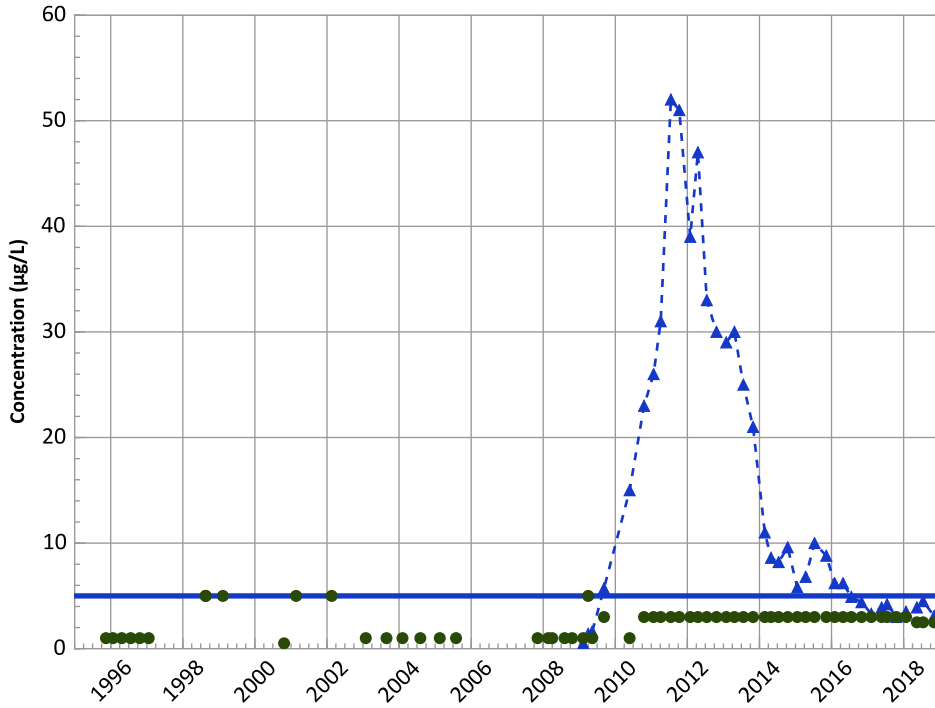
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

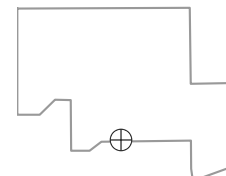
All Data:

Decreasing

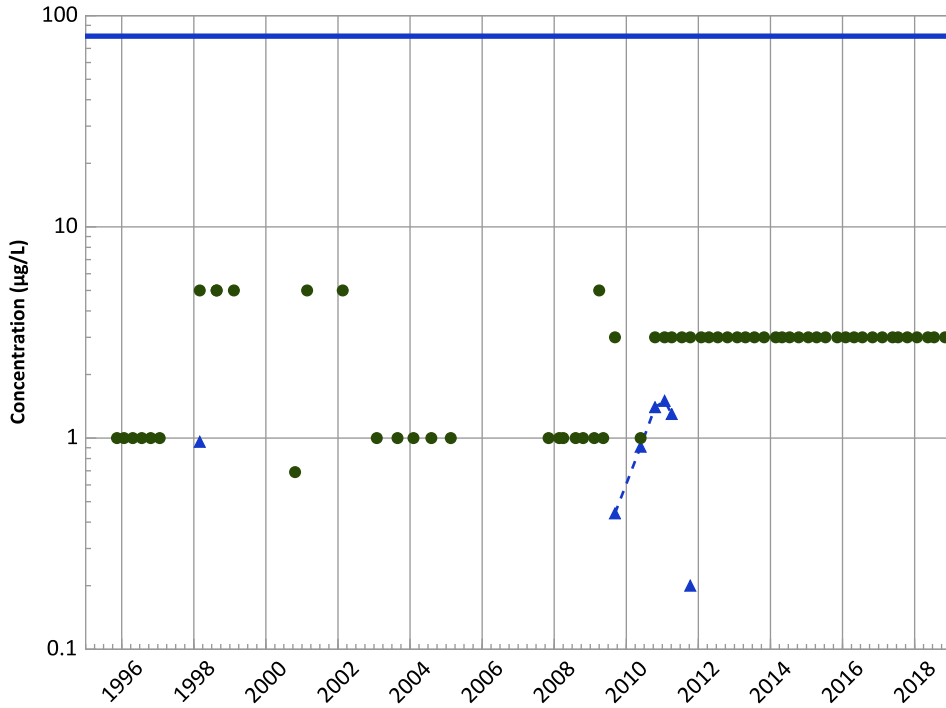
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Increasing

MAROS Linear Regression Method

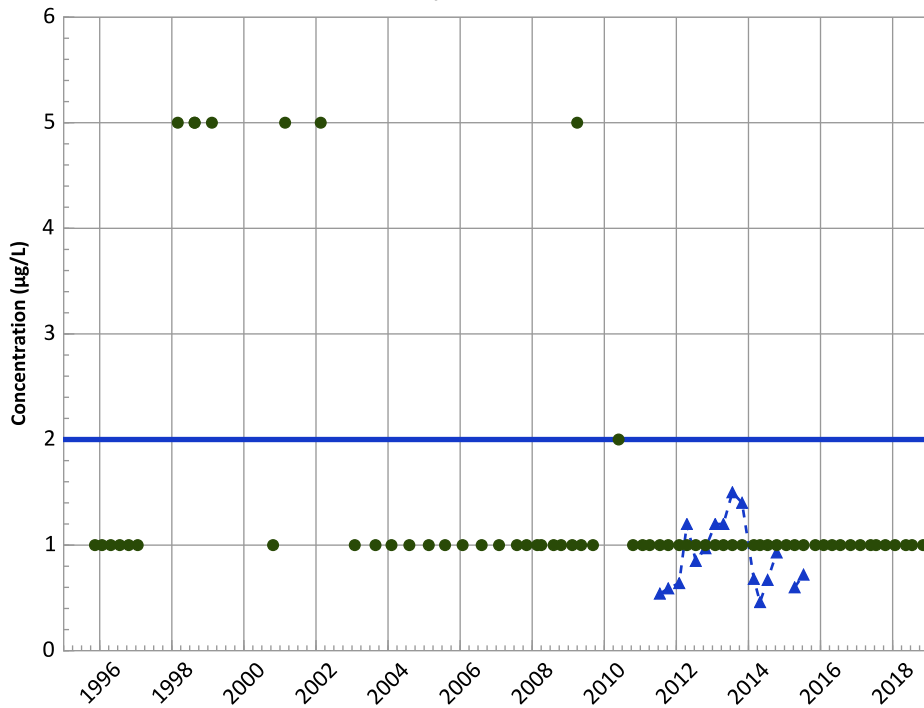
Data (2017 - 2021):

All Non-Detect

All Data:

Stable

Vinyl Chloride Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Decreasing

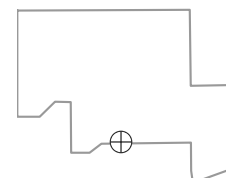
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/14/1995 to 11/06/2018
 Analysis Date: 02/14/2019

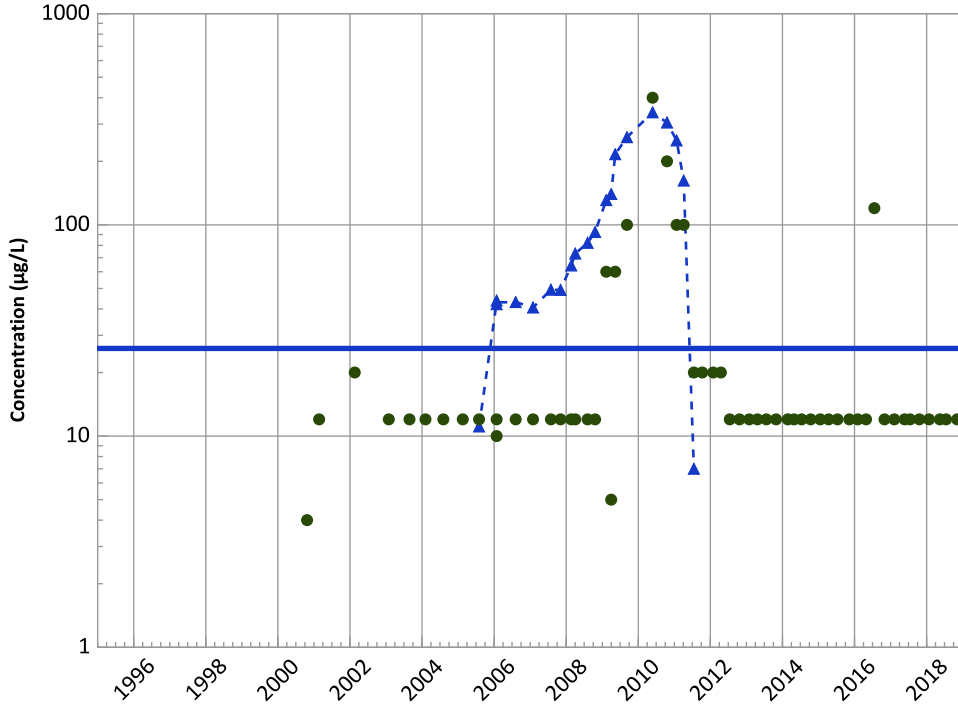
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

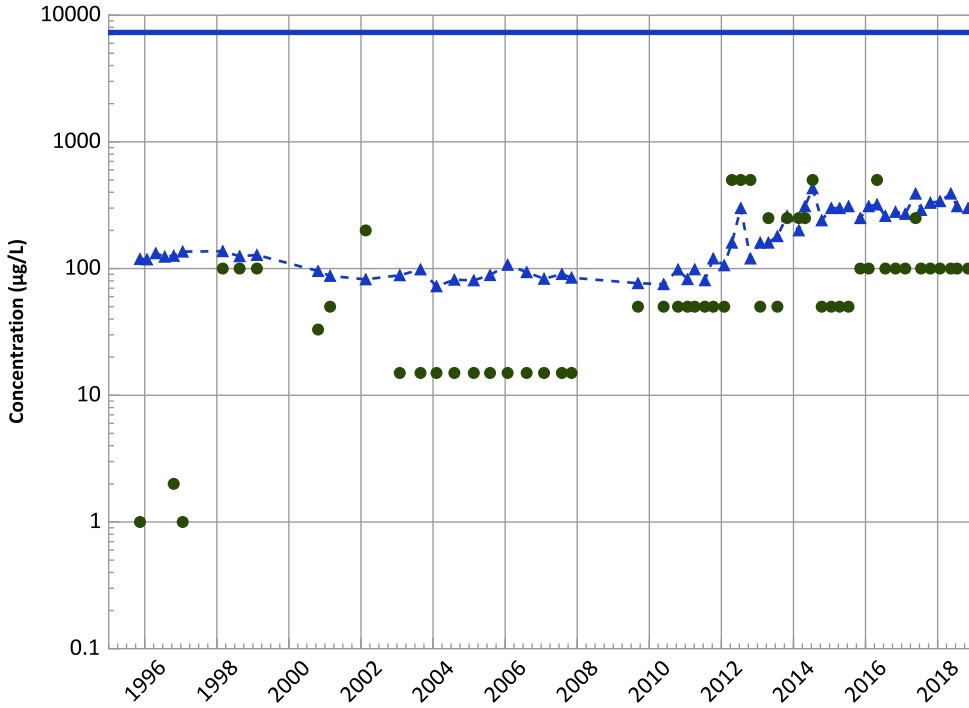
Data (2017 - 2021):

All Non-Detect

All Data:

Increasing

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

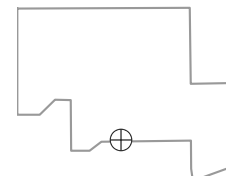
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

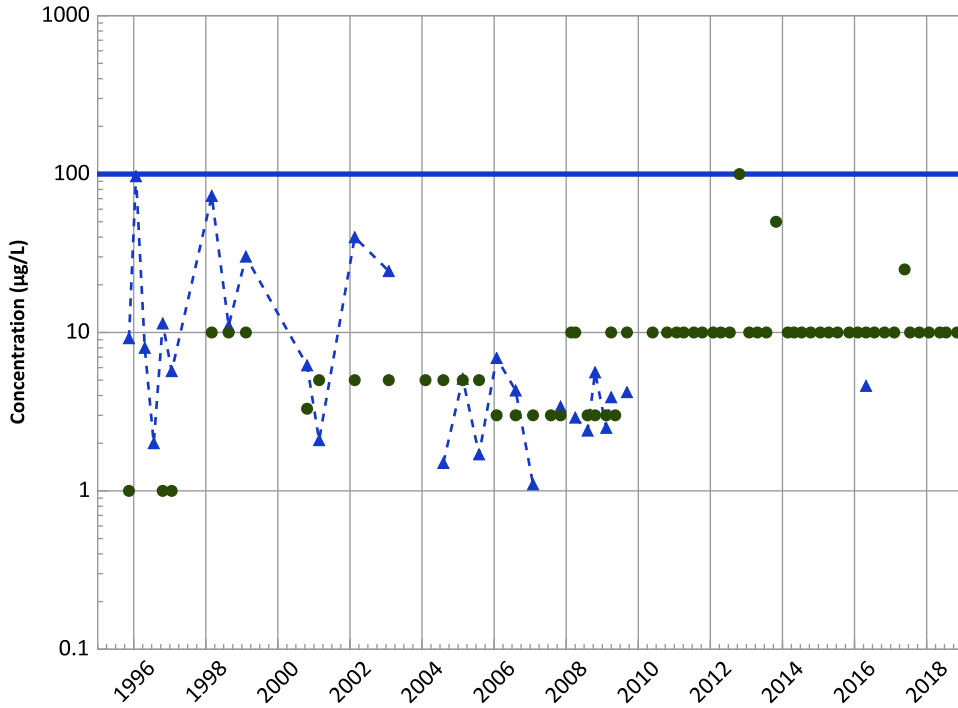
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

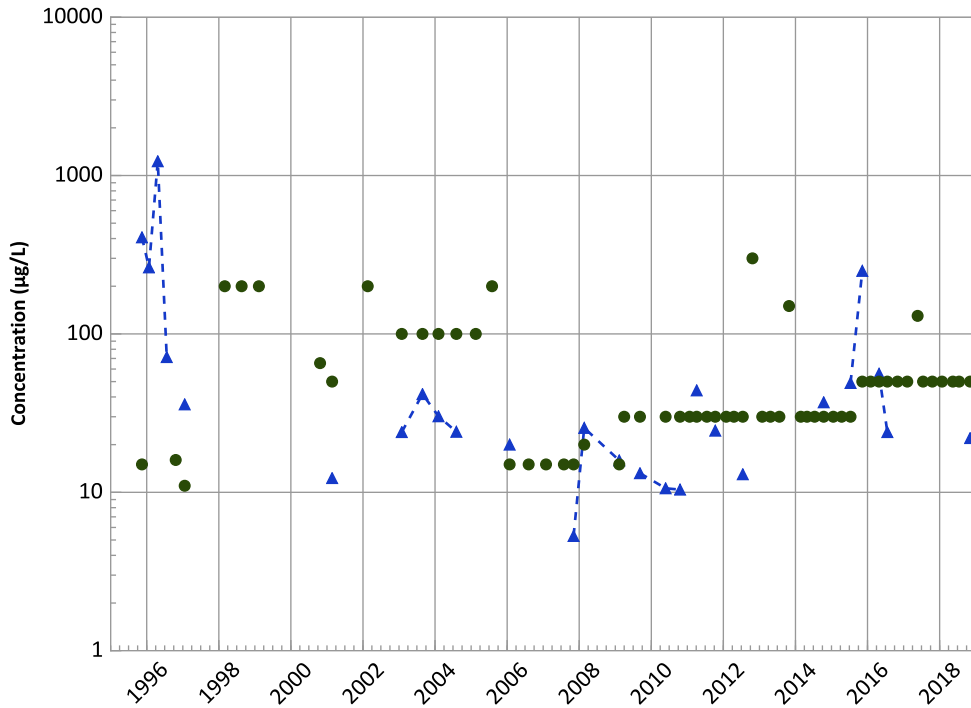


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Aluminum Trend

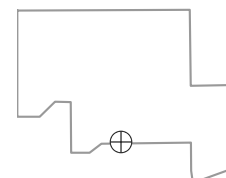


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

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

Well Location

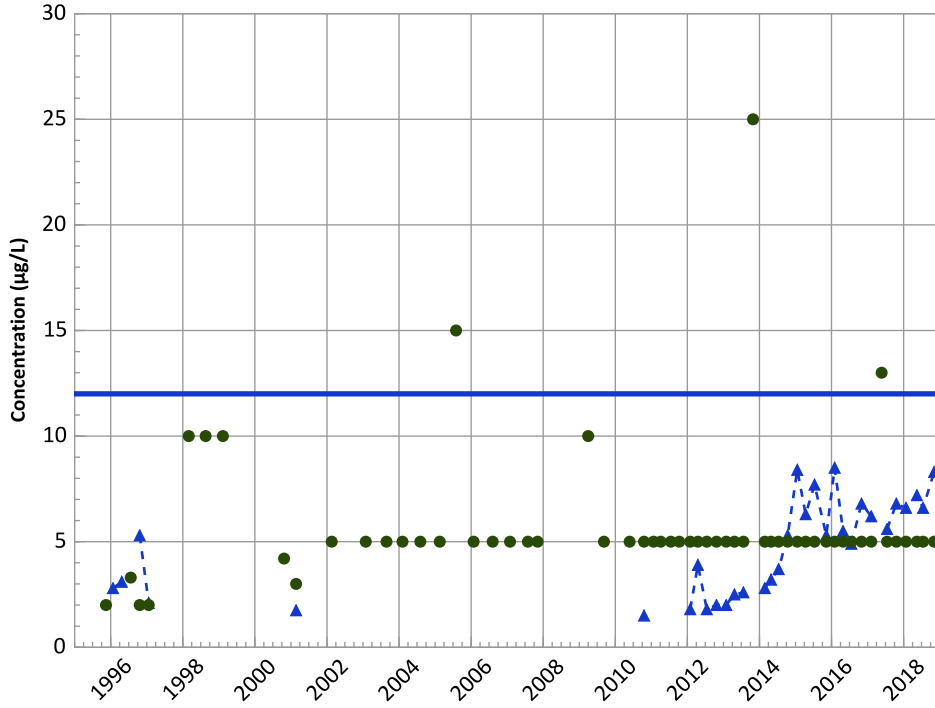


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend

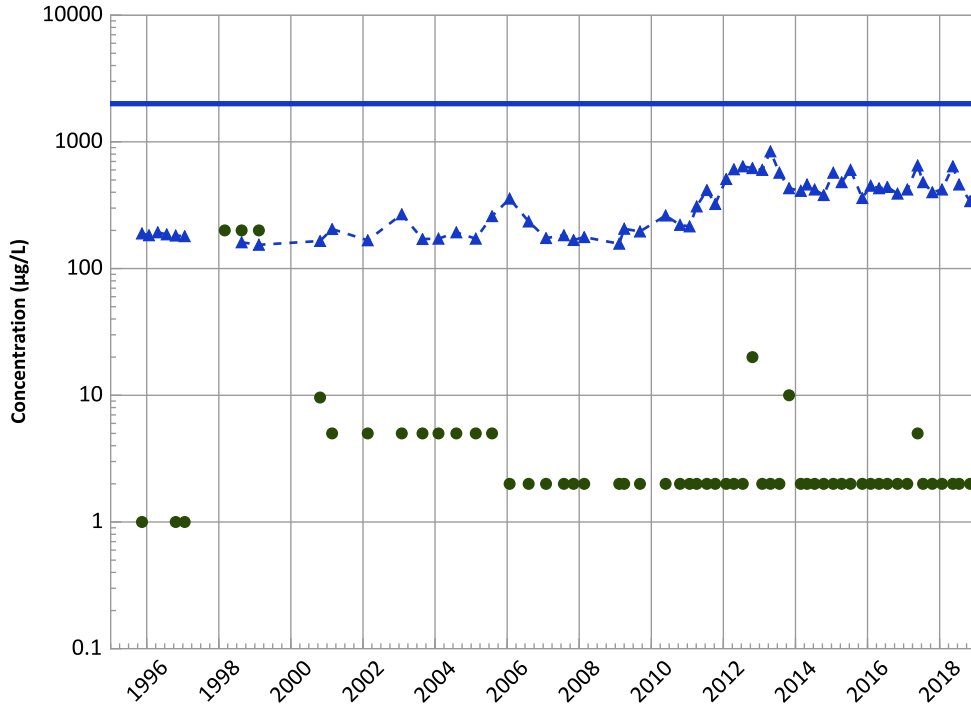


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Barium Trend



Concentration Trend

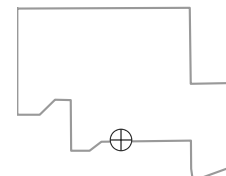
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

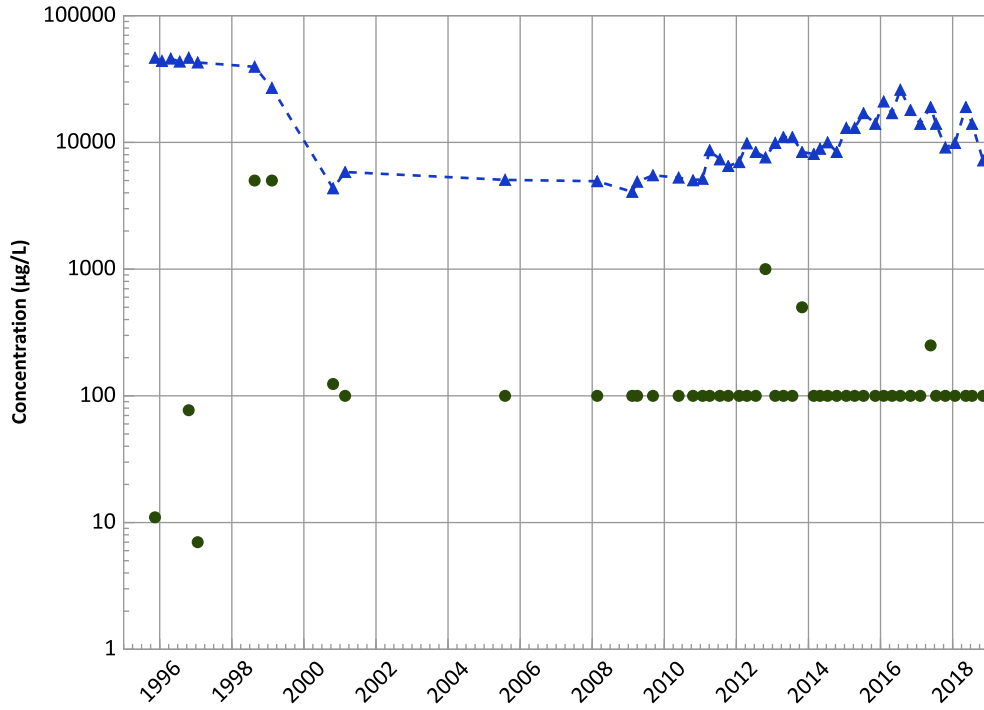
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

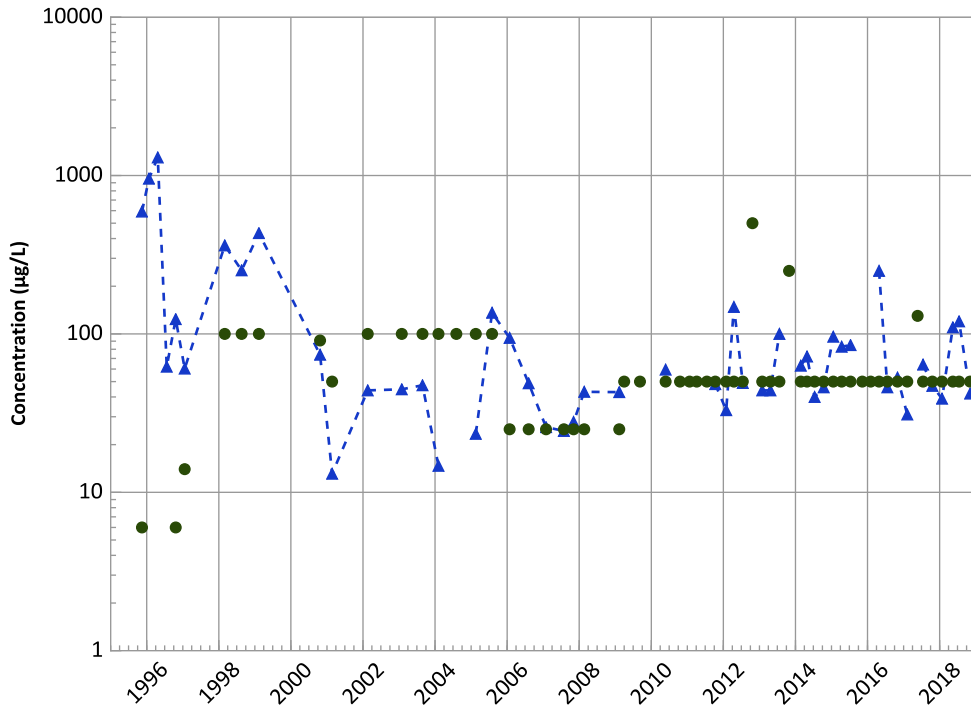
Data (2017 - 2021):

Increasing

All Data:

Decreasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

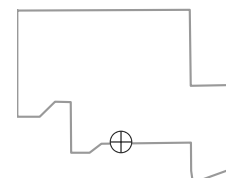
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Well Location

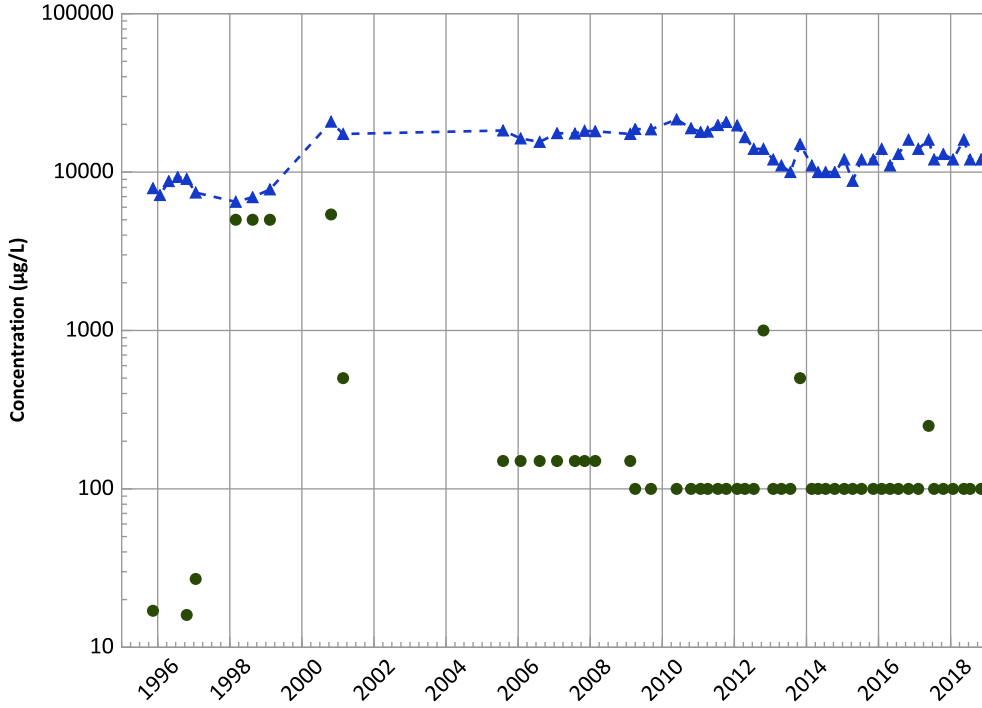


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

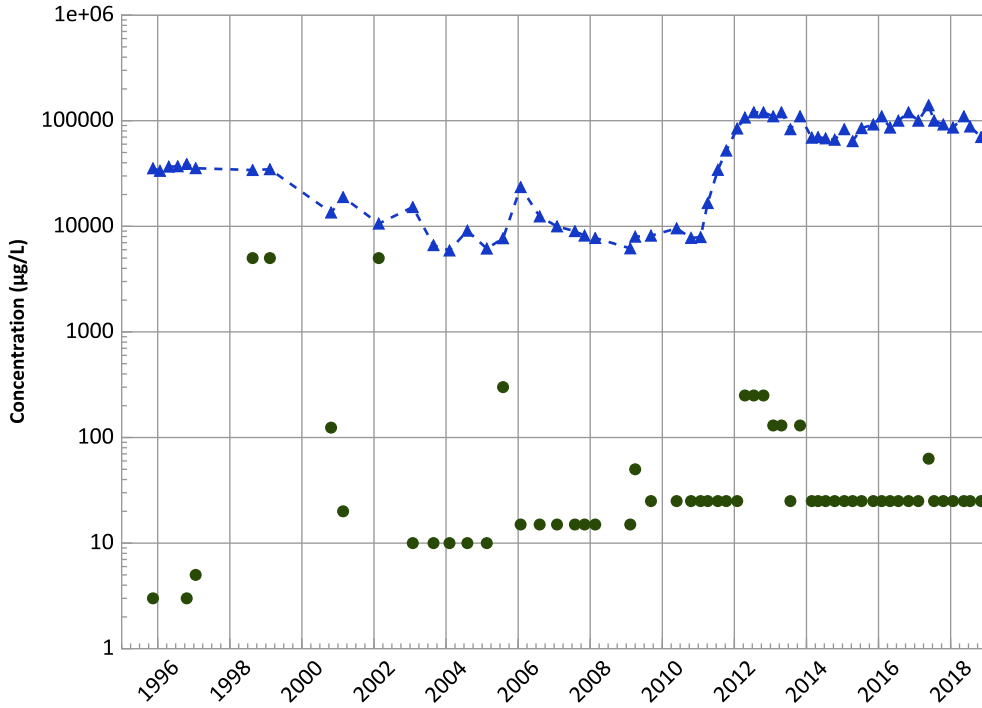
Data (2017 - 2021):

Stable

All Data:

Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

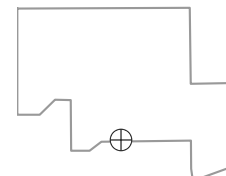
Data (2017 - 2021):

Stable

All Data:

Increasing

Well Location

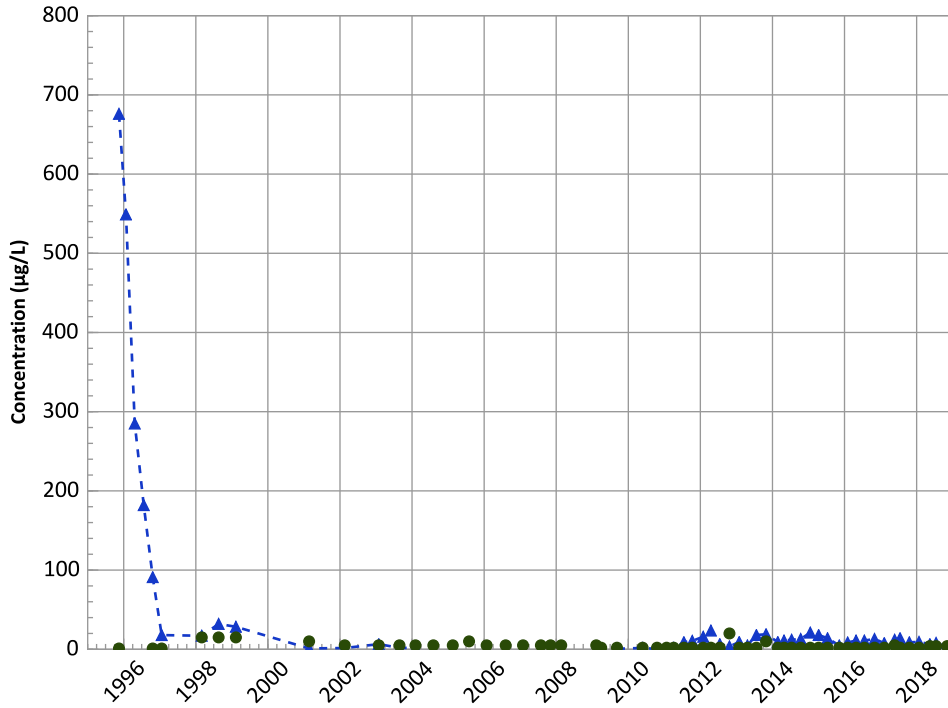


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

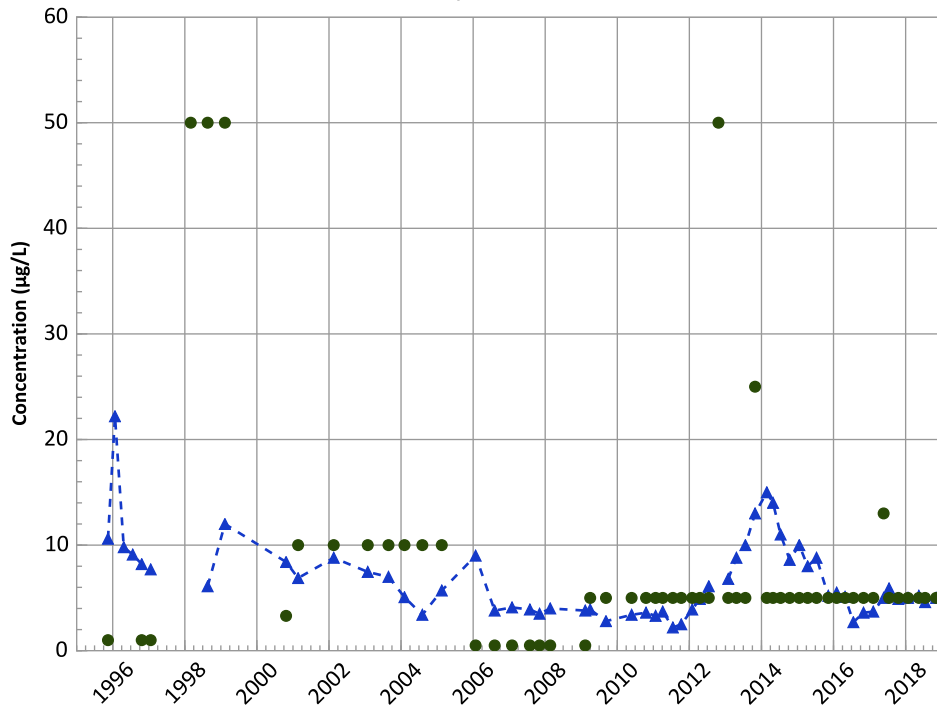
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

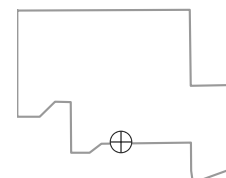
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

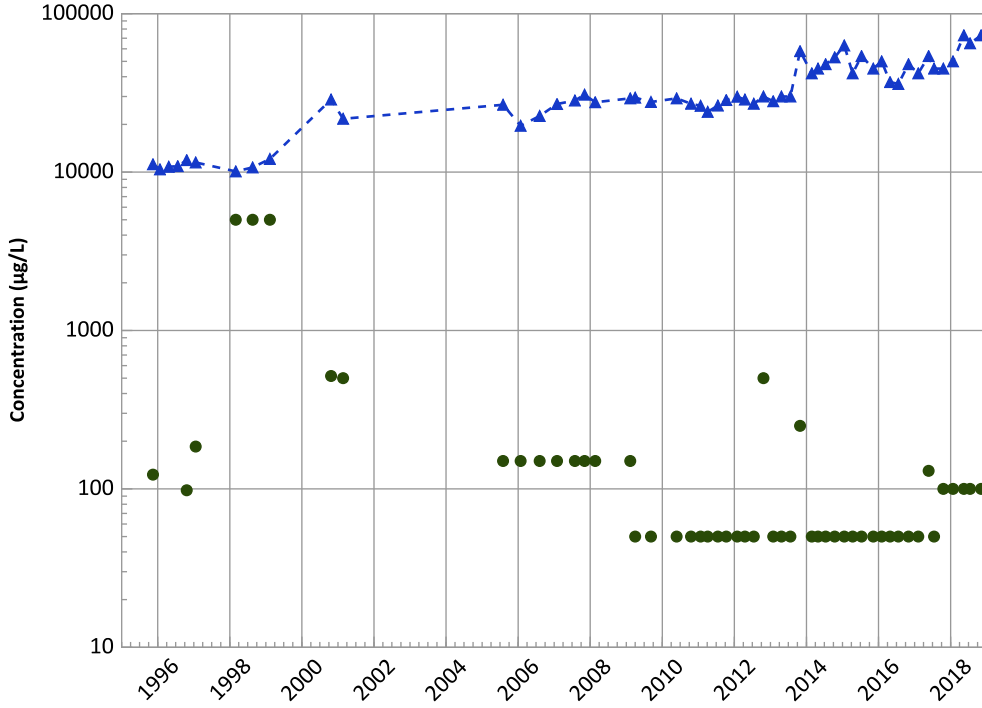
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

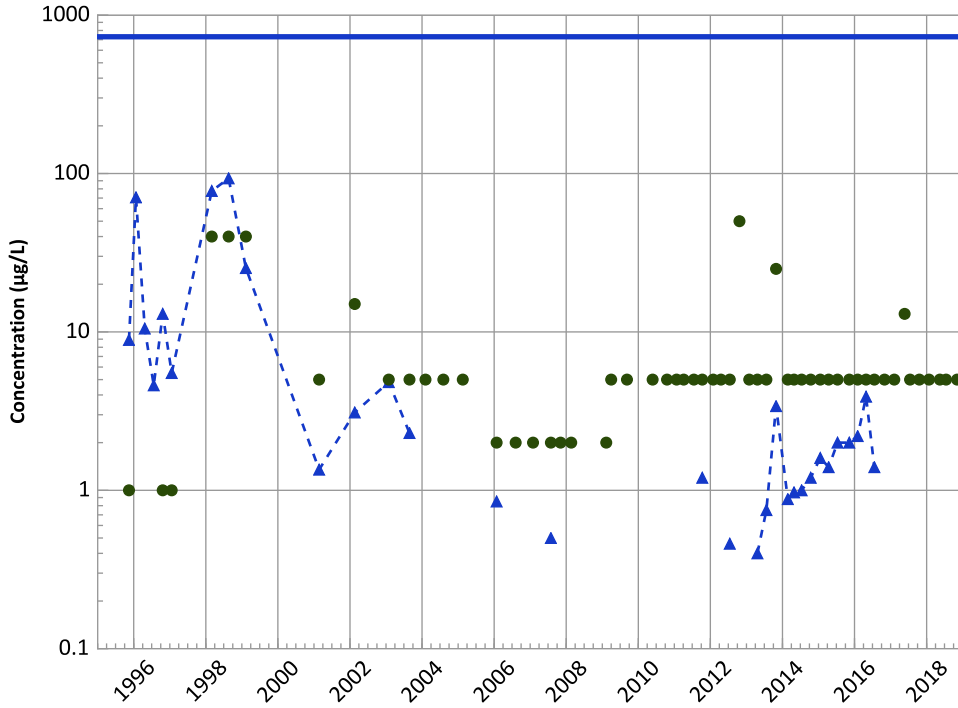
Data (2017 - 2021):

Increasing

All Data:

Increasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

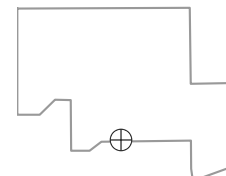
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

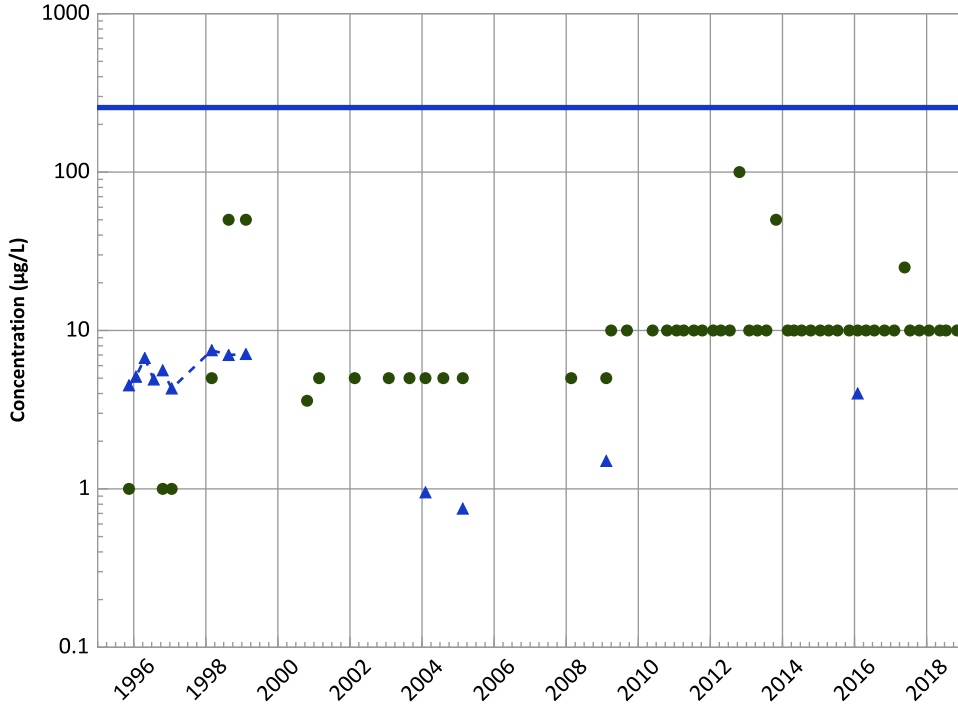
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Vanadium Trend

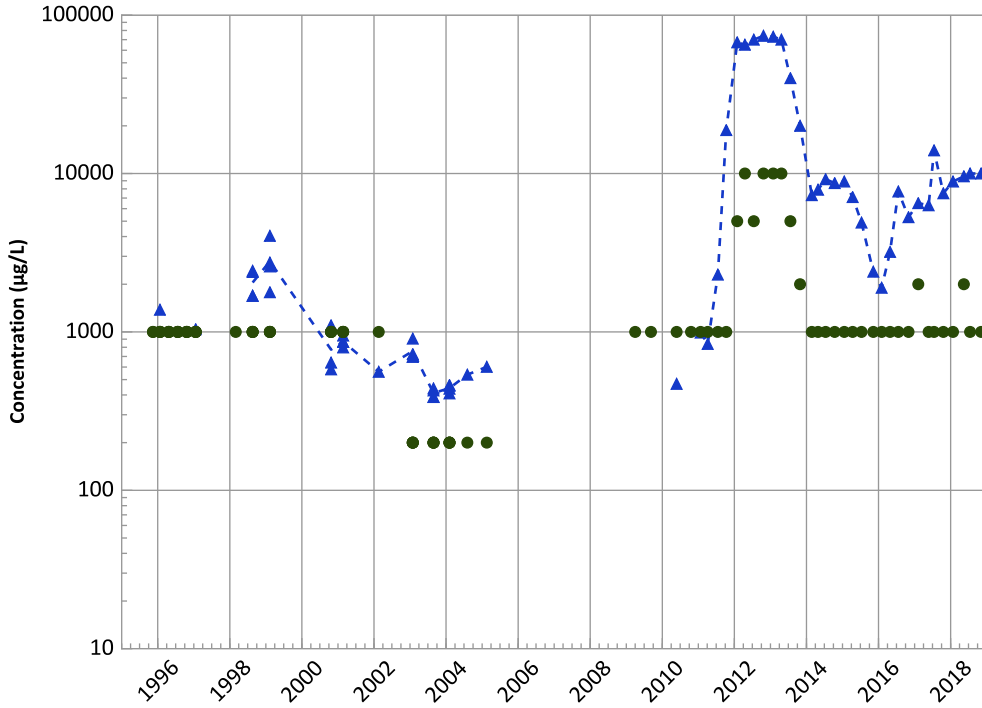


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Total Organic Carbon Trend



Concentration Trend

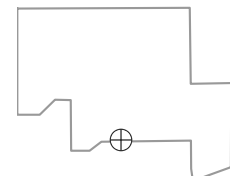
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

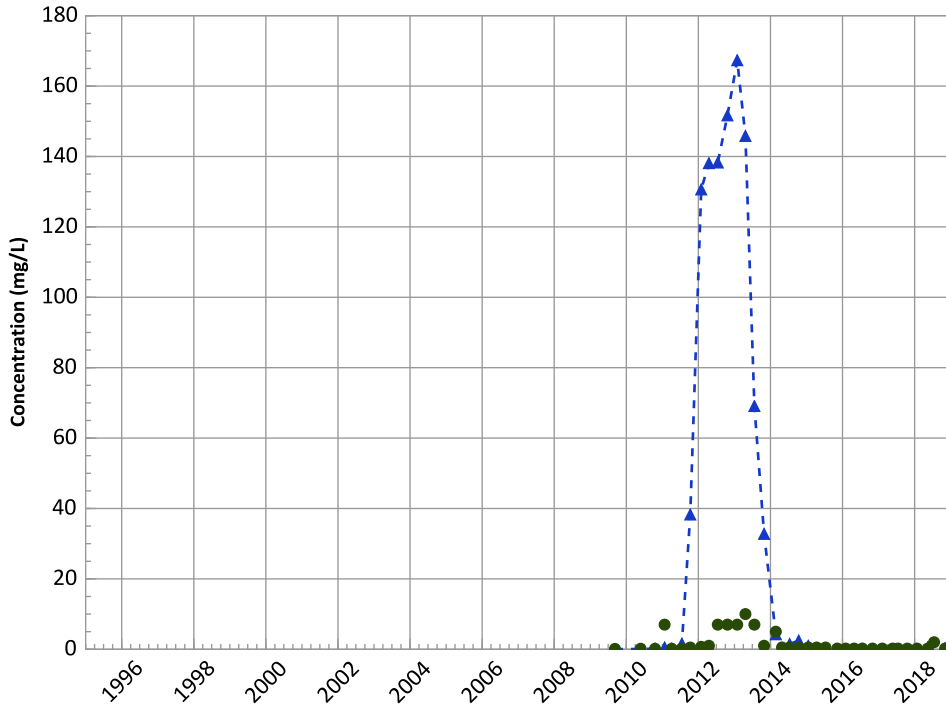
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1012 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

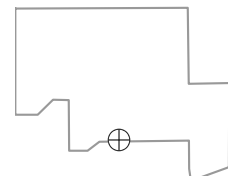
All Data:

Decreasing

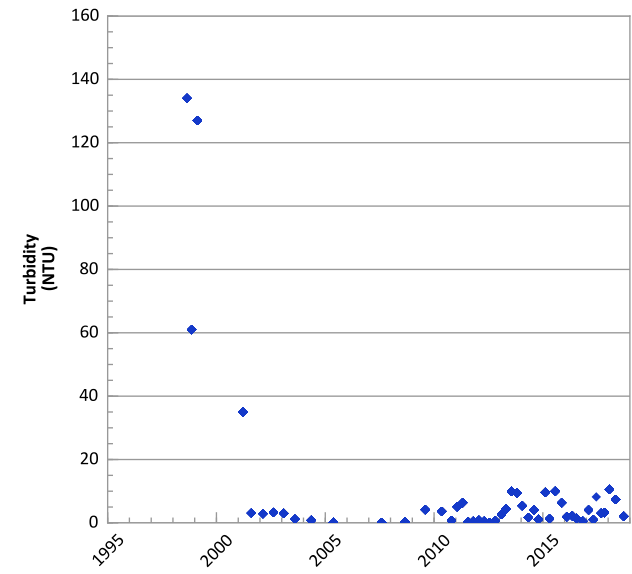
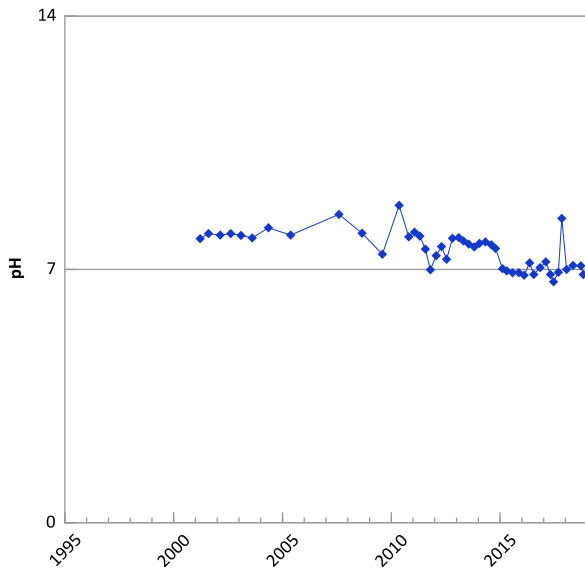
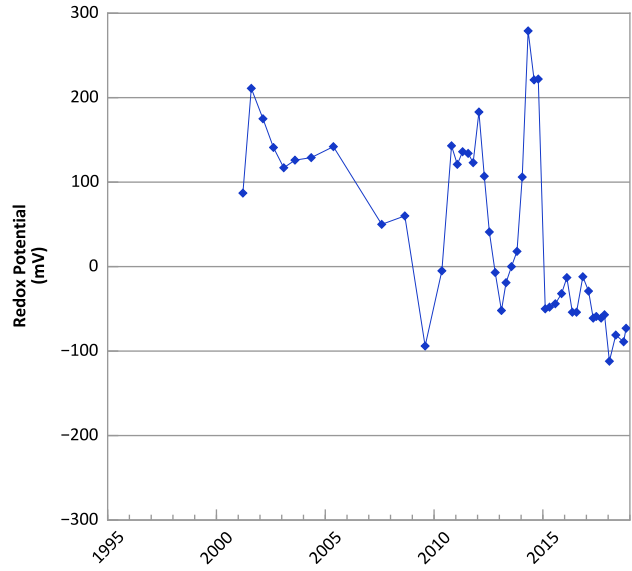
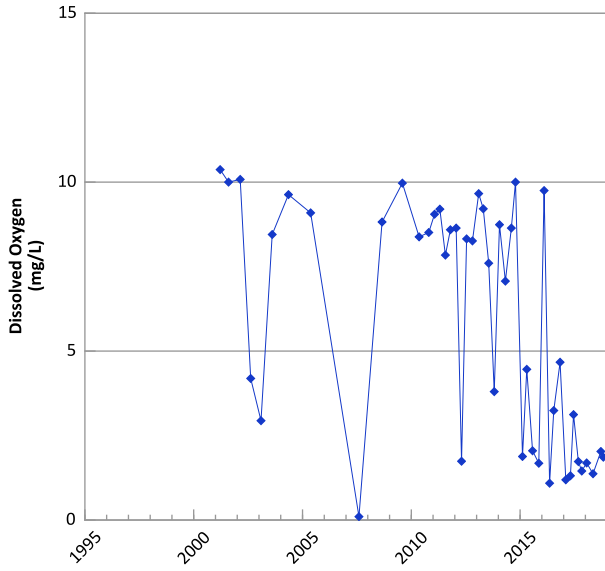
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/14/1995 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

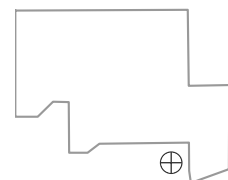


**PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



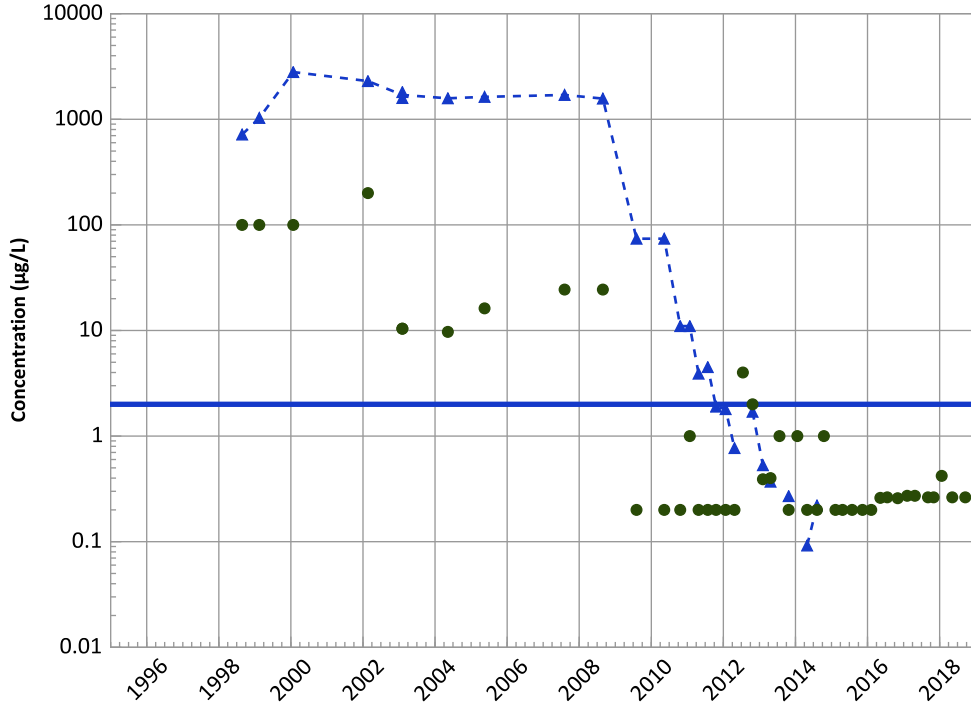
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

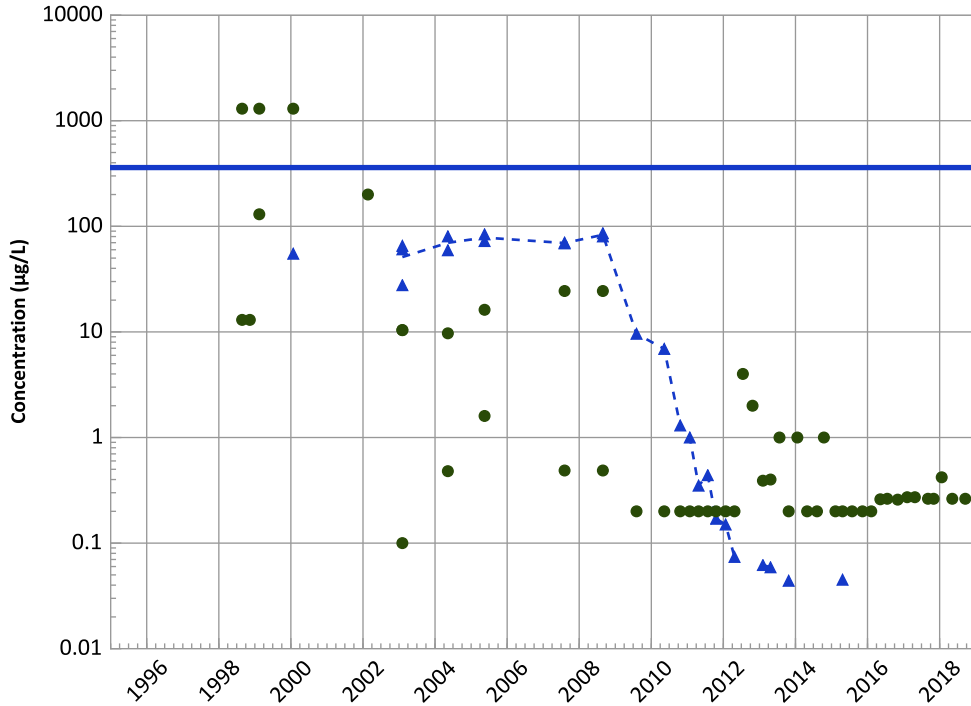


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

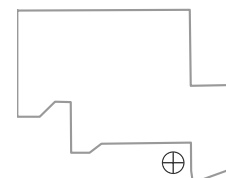
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

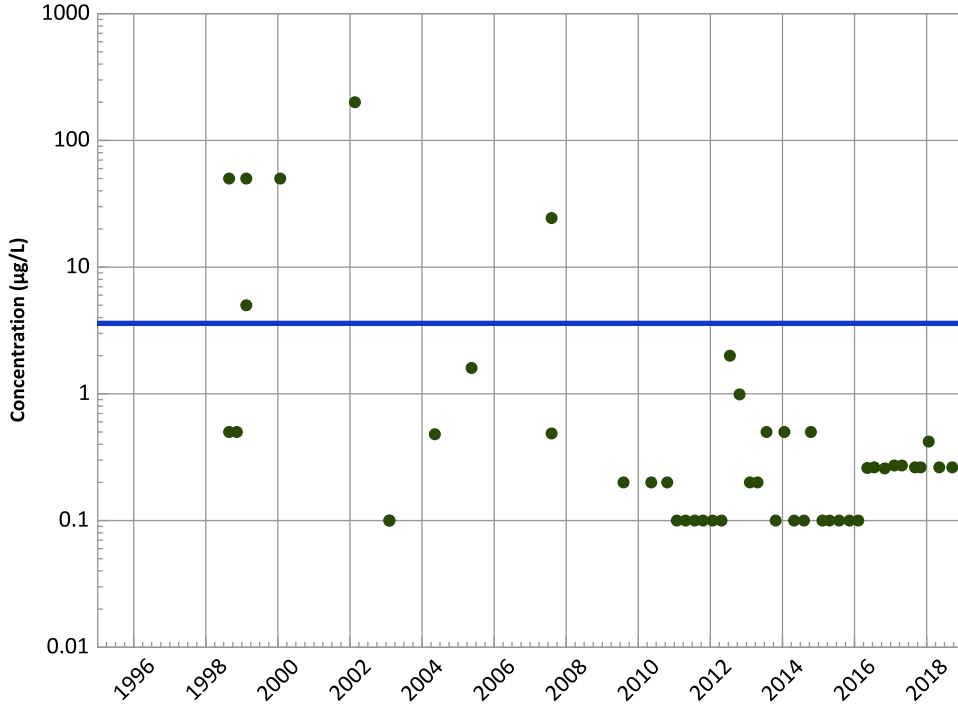
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

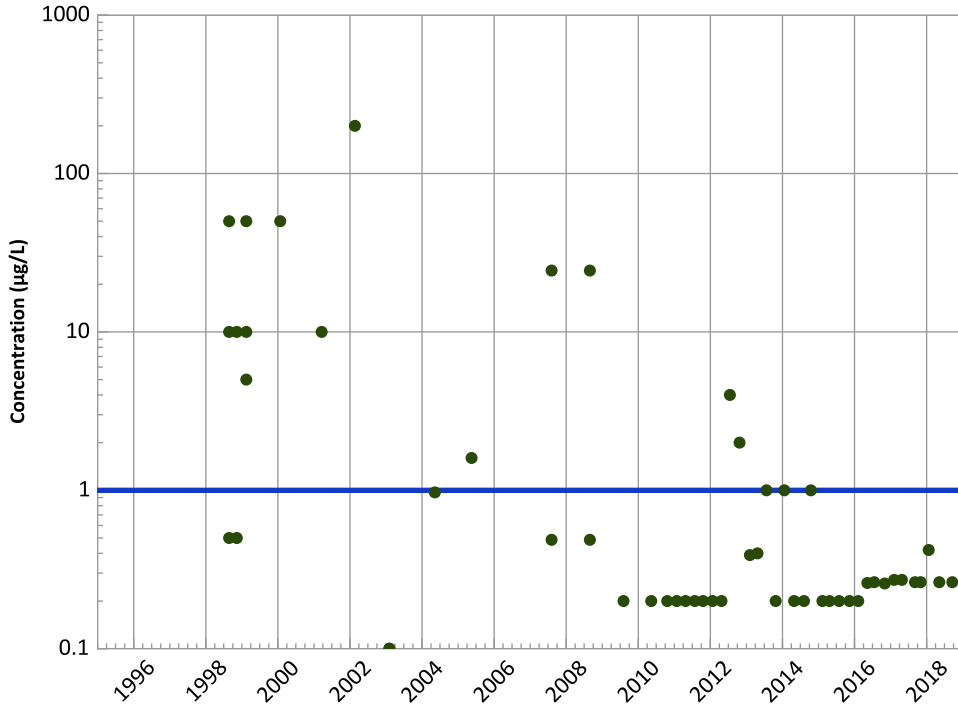
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

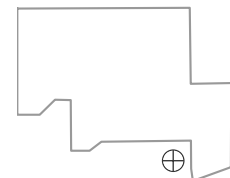
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

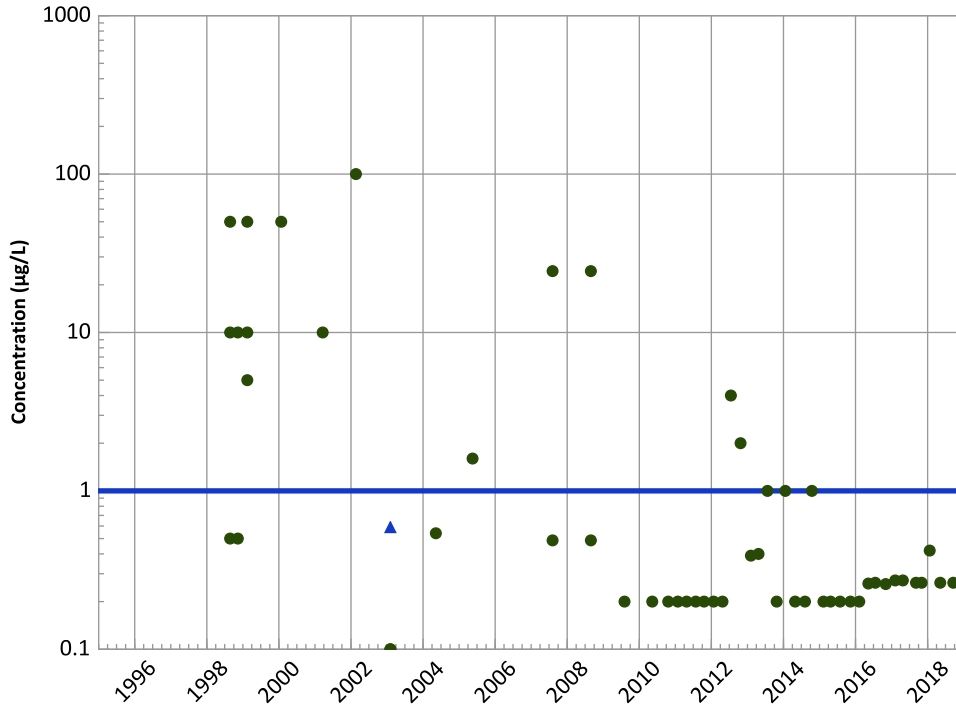
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

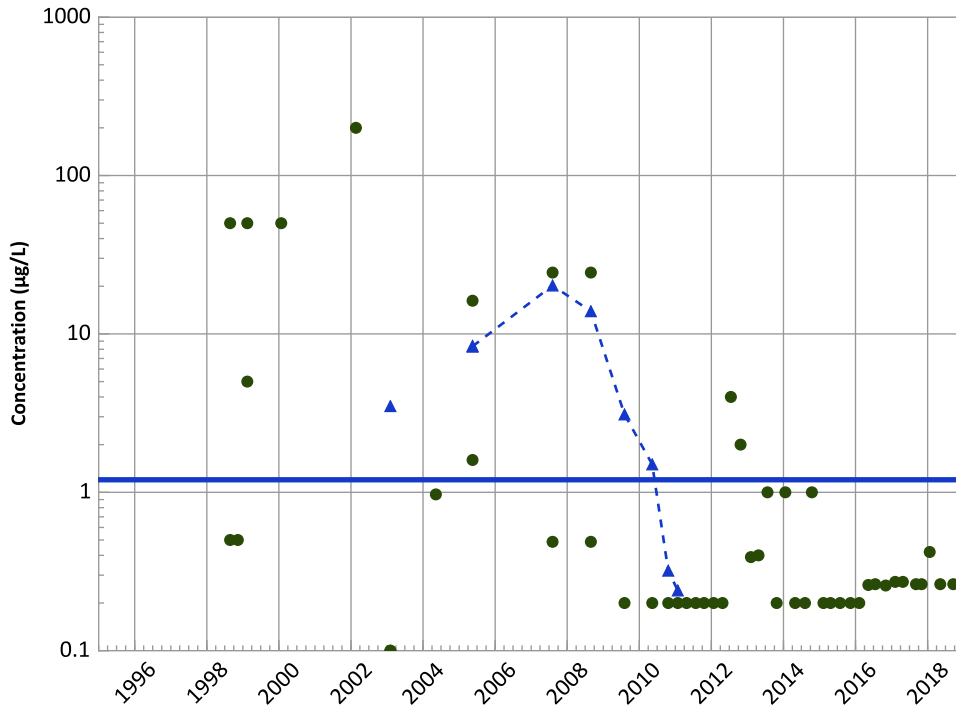
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

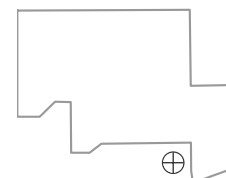
All Data:

Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

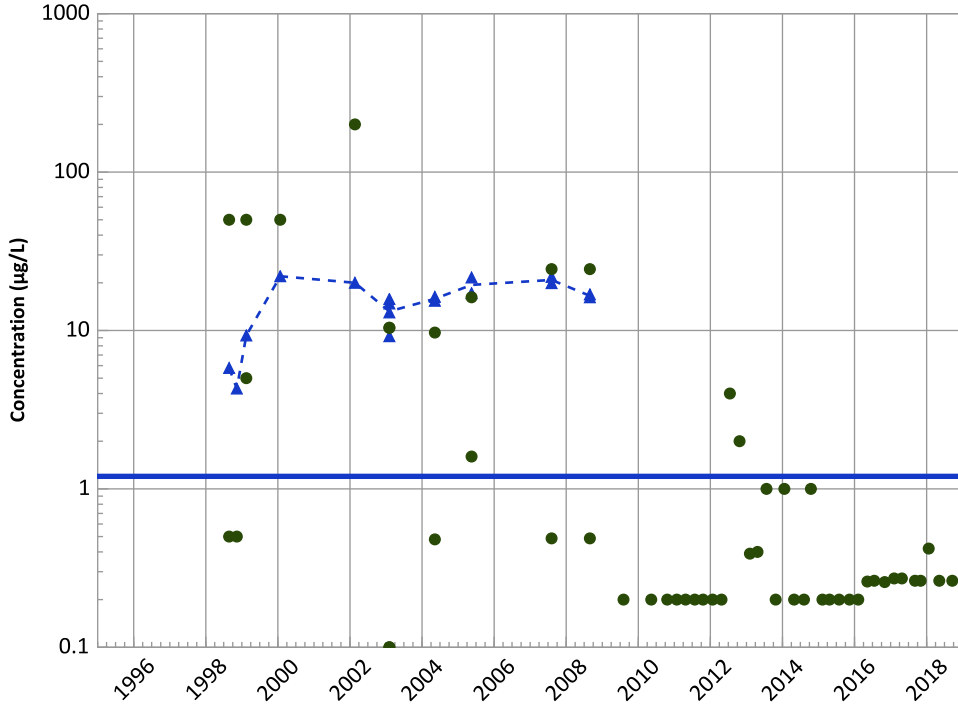
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

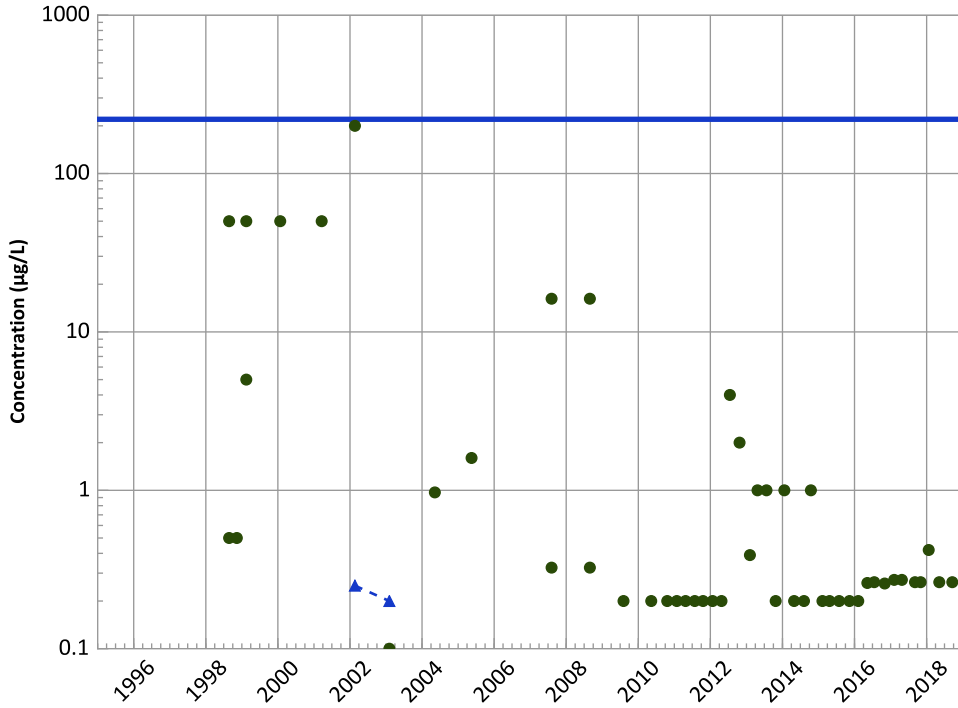
Data (2017 - 2021):

All Non-Detect

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

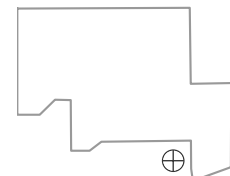
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

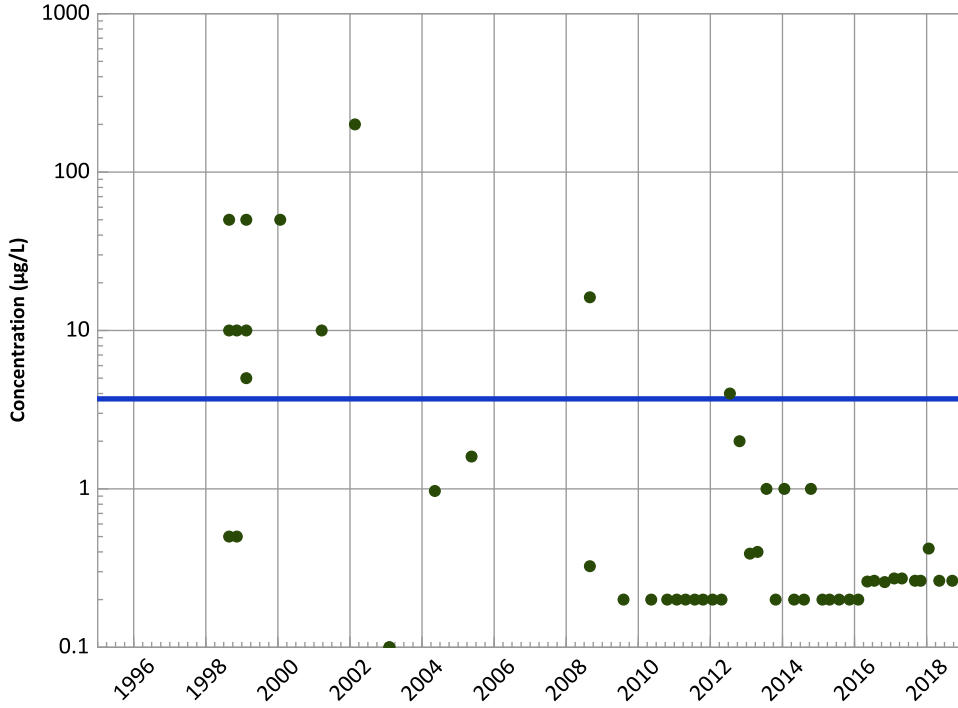
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

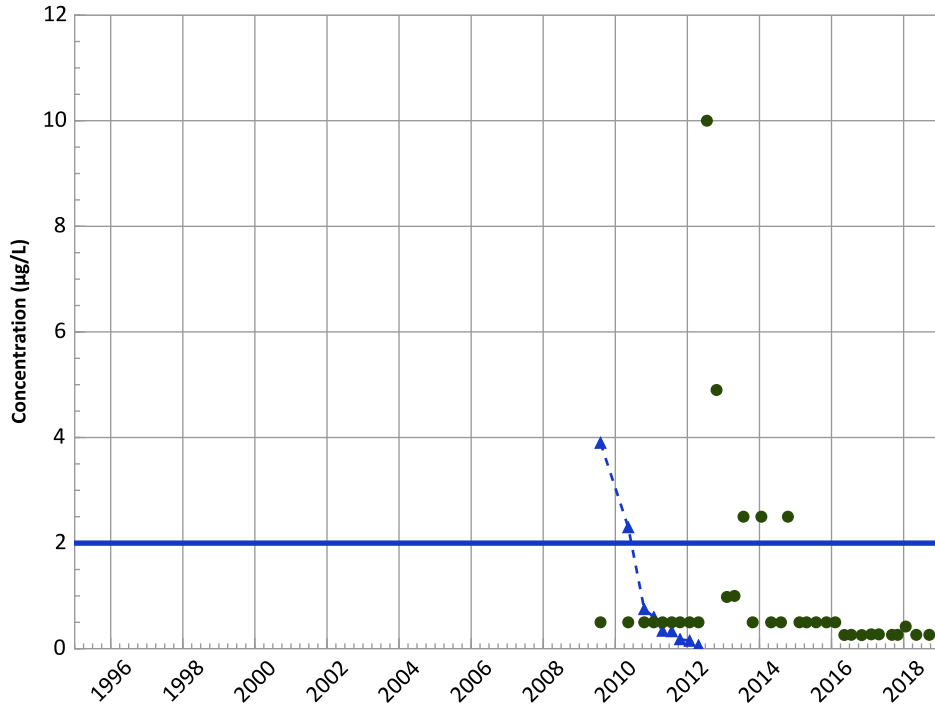
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

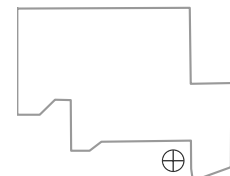
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

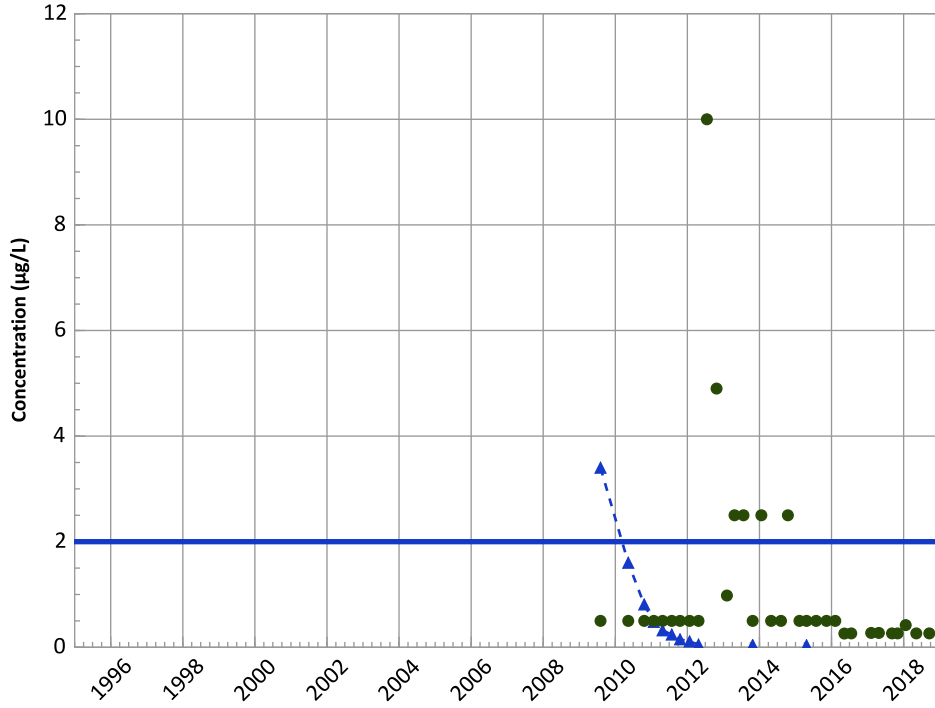
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

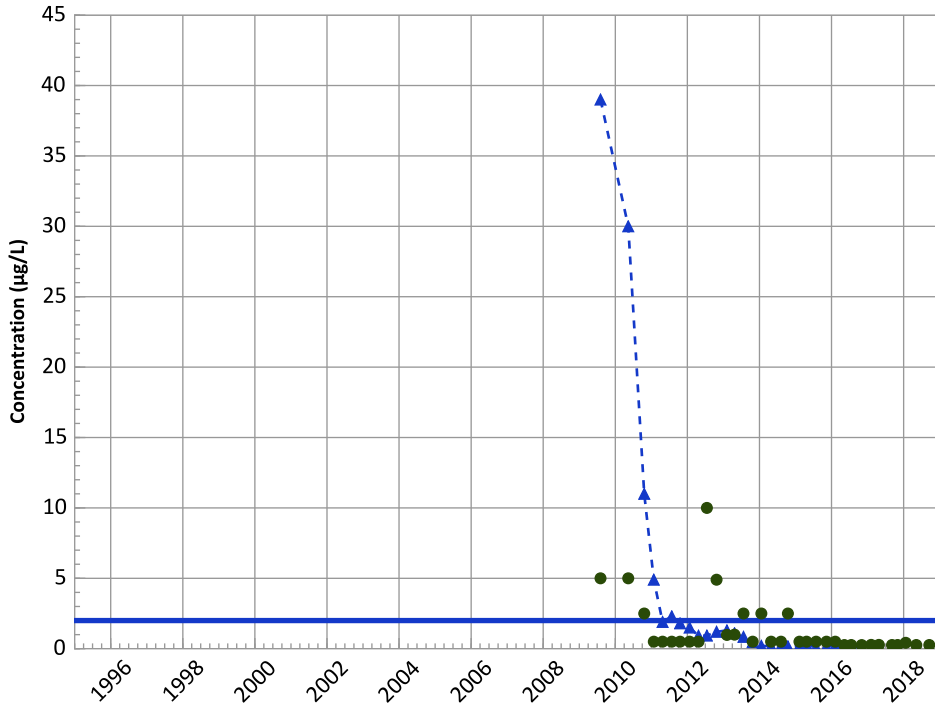
Data (2017 - 2021):

Stable

All Data:

Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

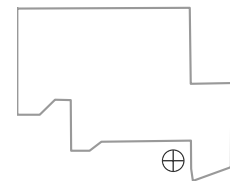
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

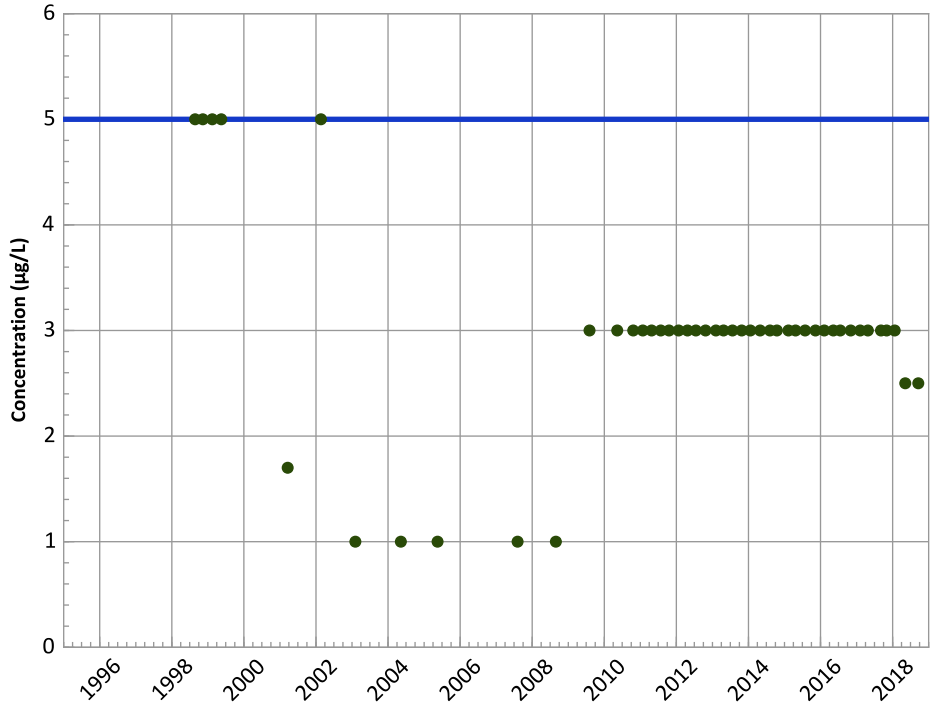
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

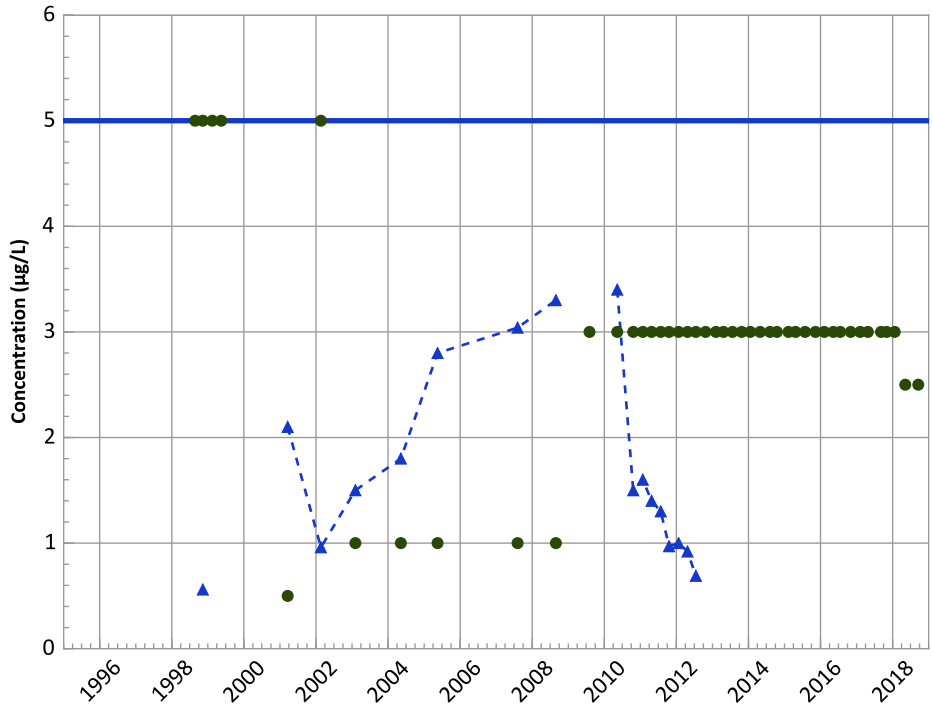
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

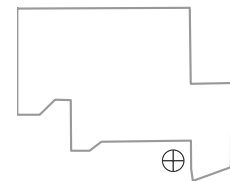
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

Well Location

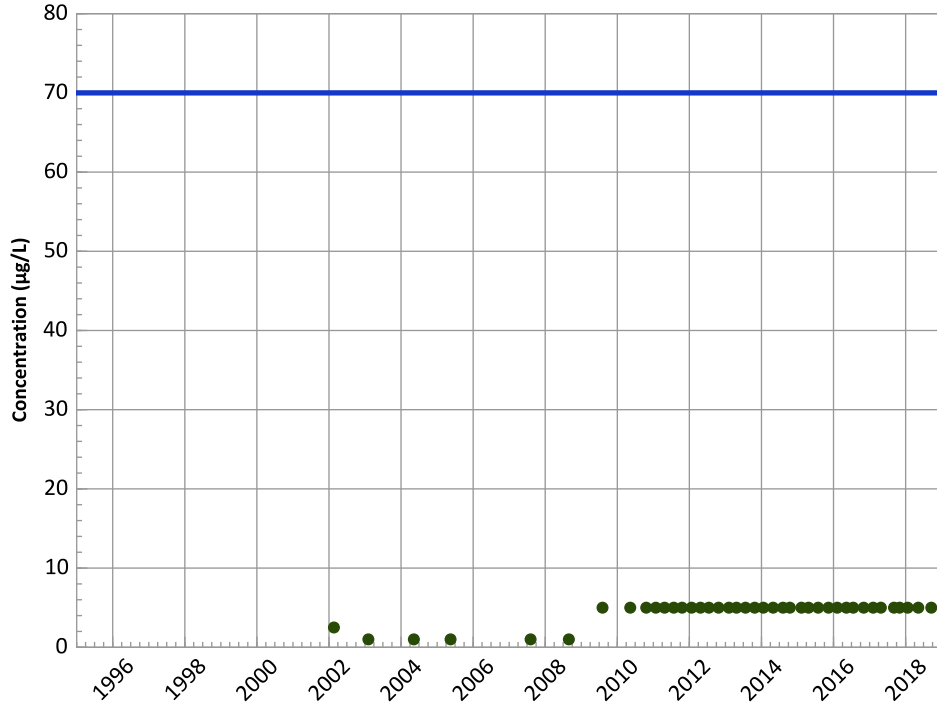


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

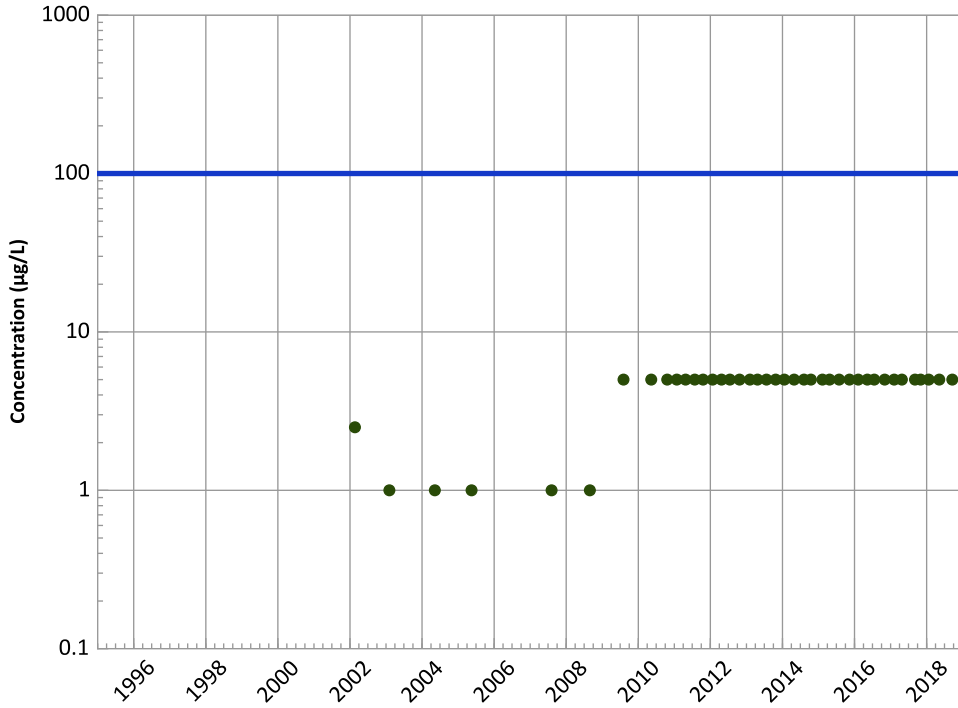
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

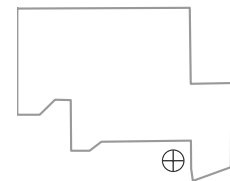
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

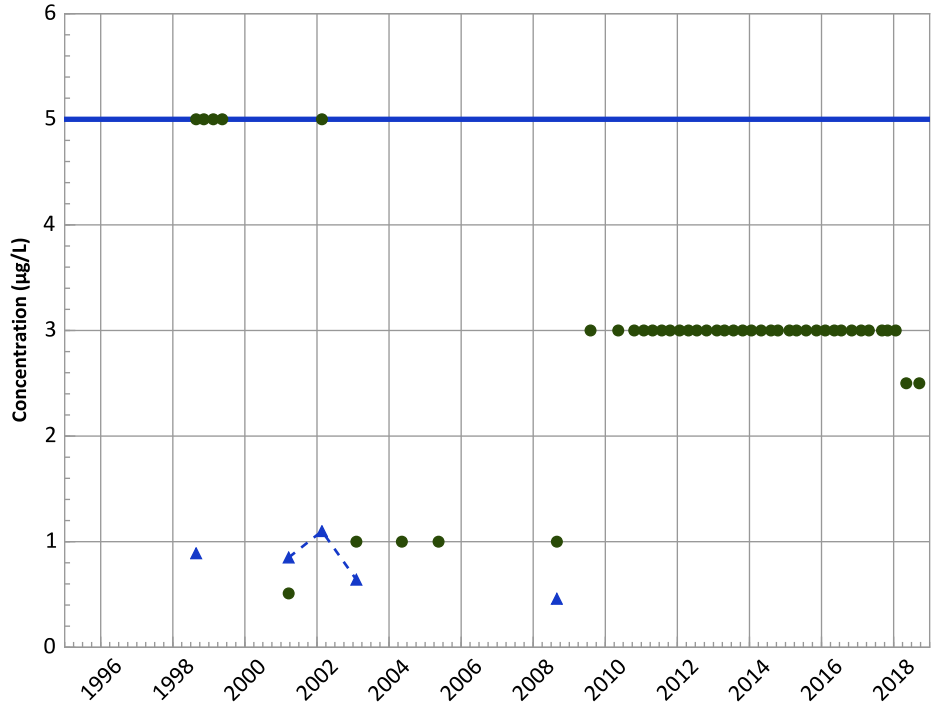
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Increasing

MAROS Linear Regression Method

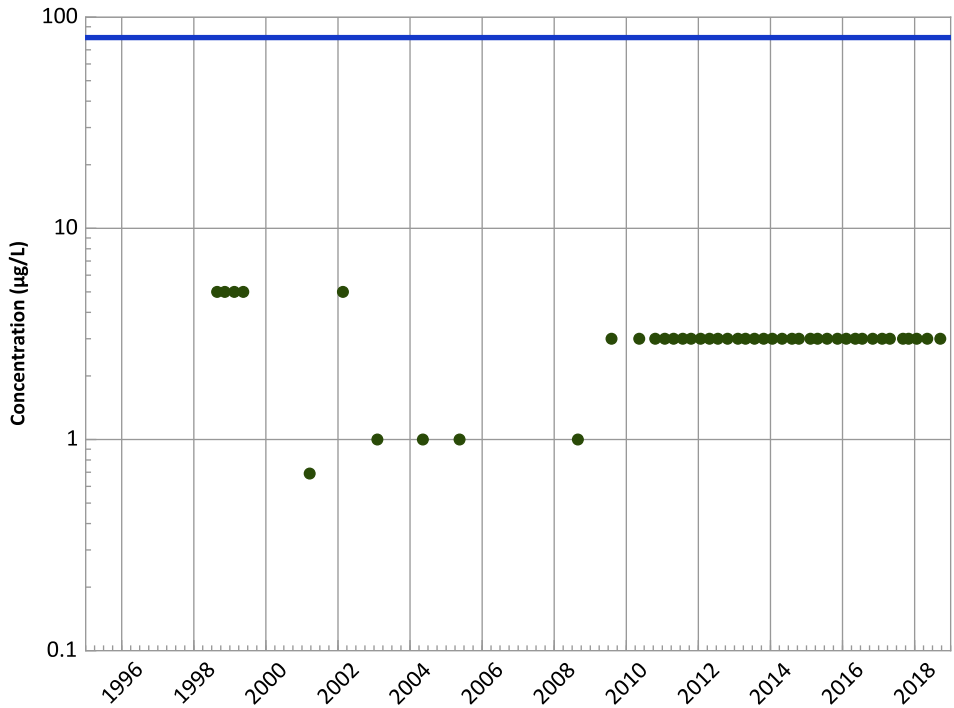
Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

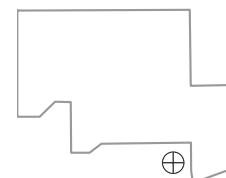
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

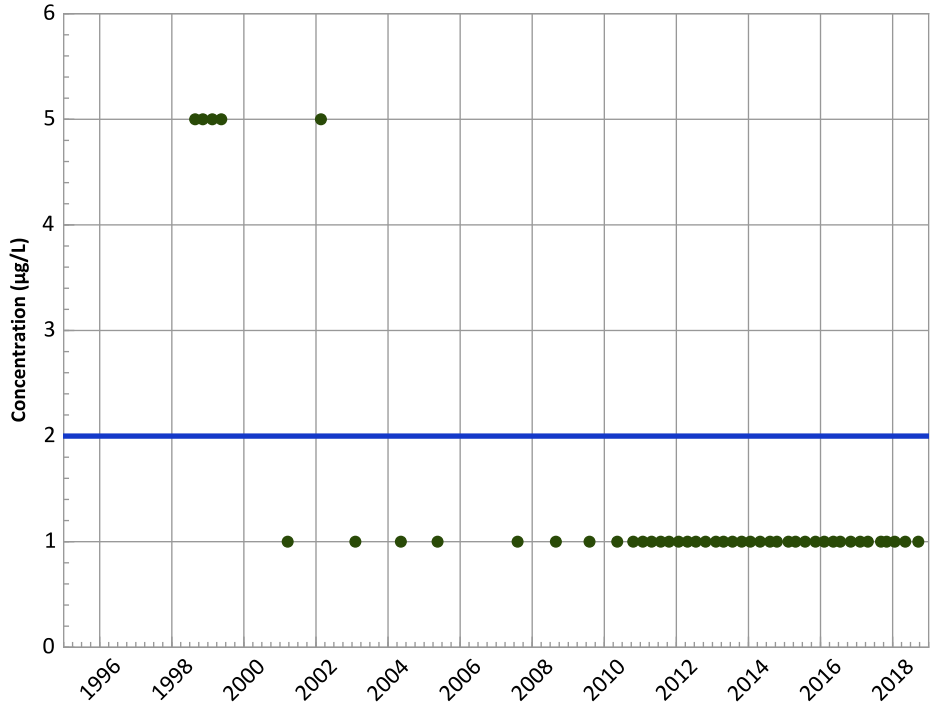
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

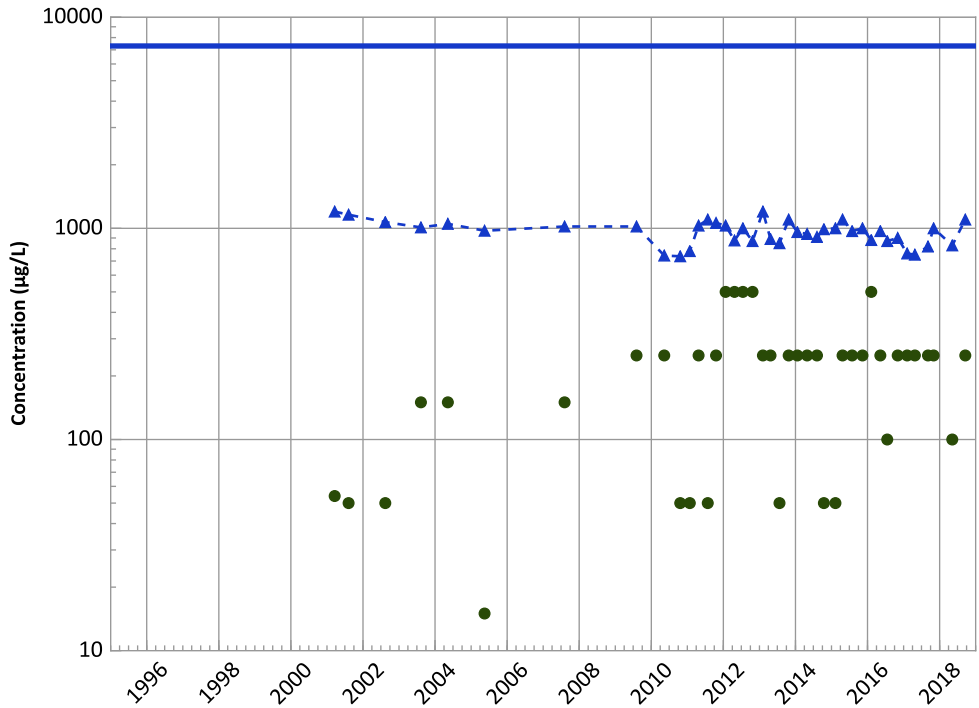


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Boron Trend



Concentration Trend

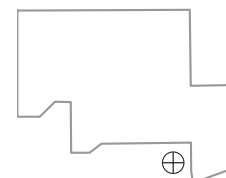
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

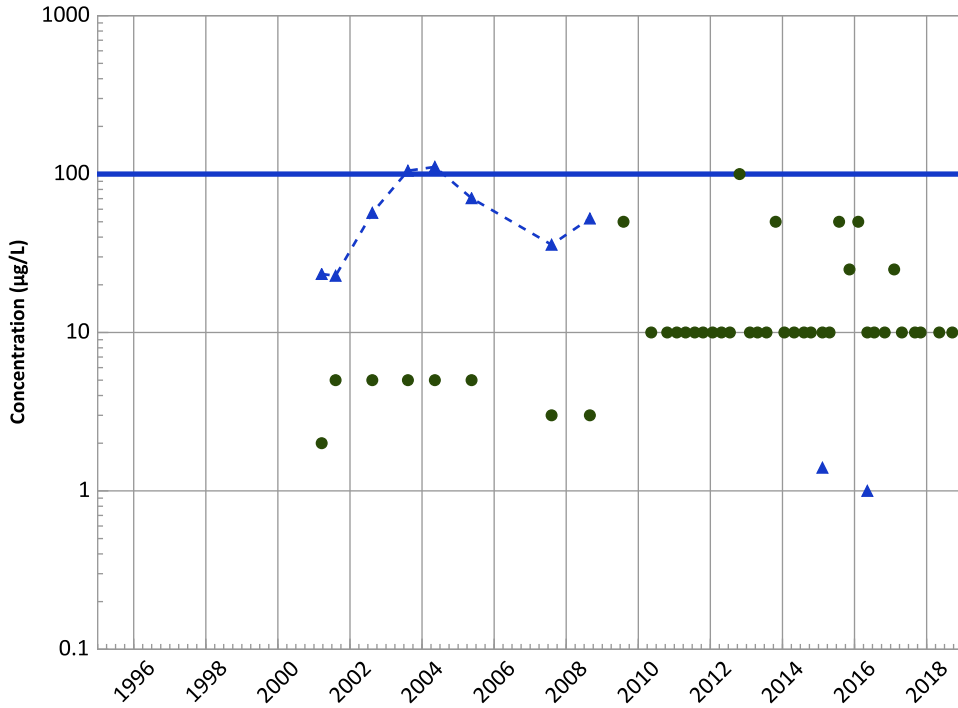
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

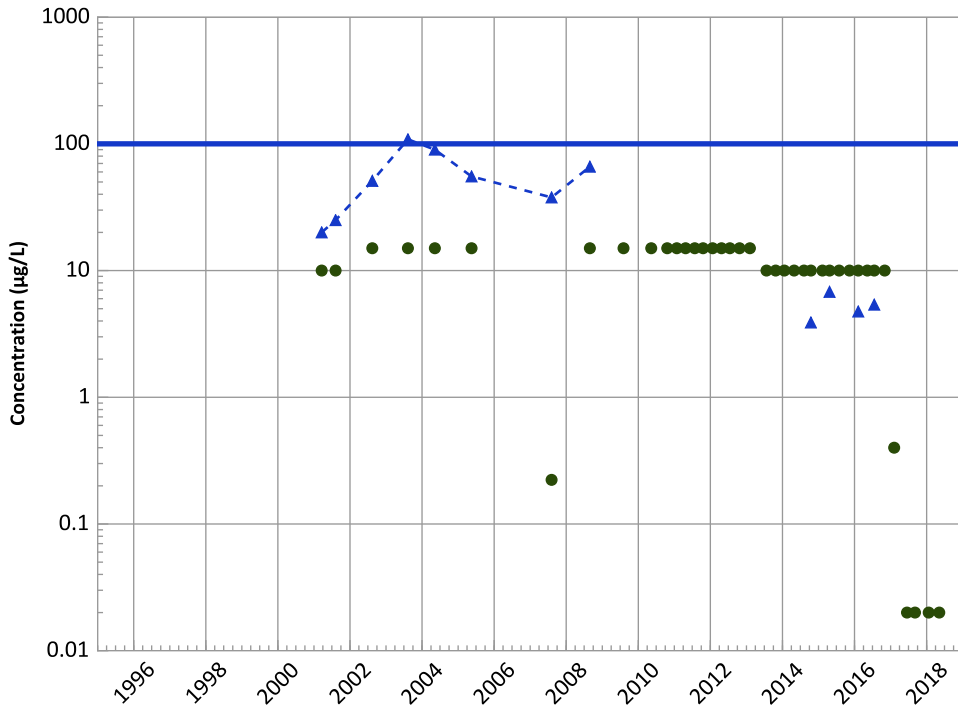


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Chromium, Hexavalent Trend

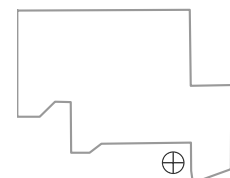


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Well Location

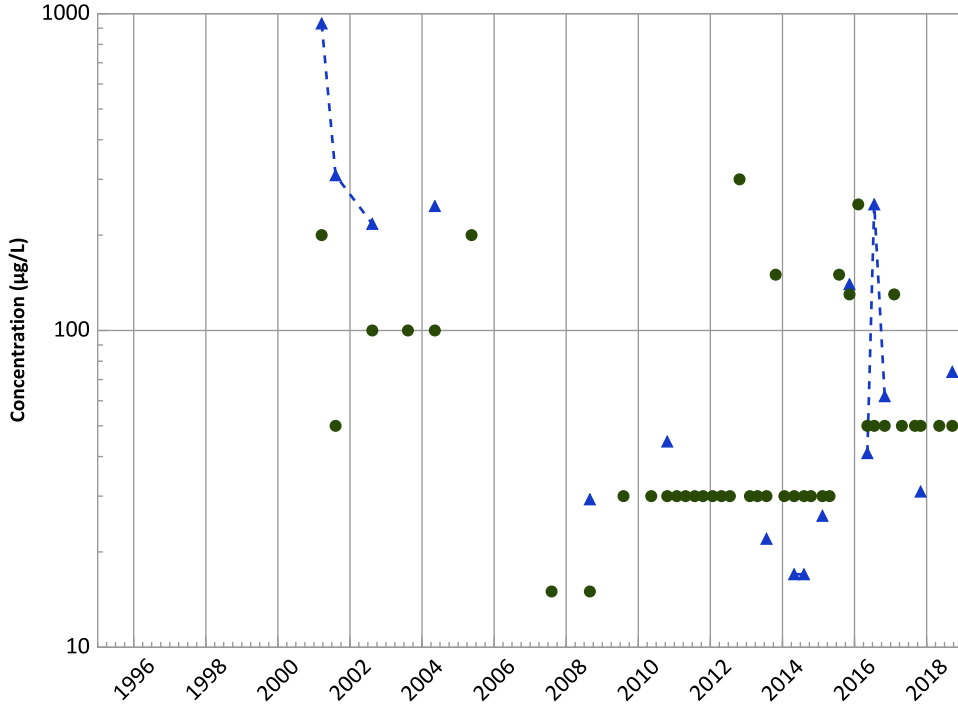


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

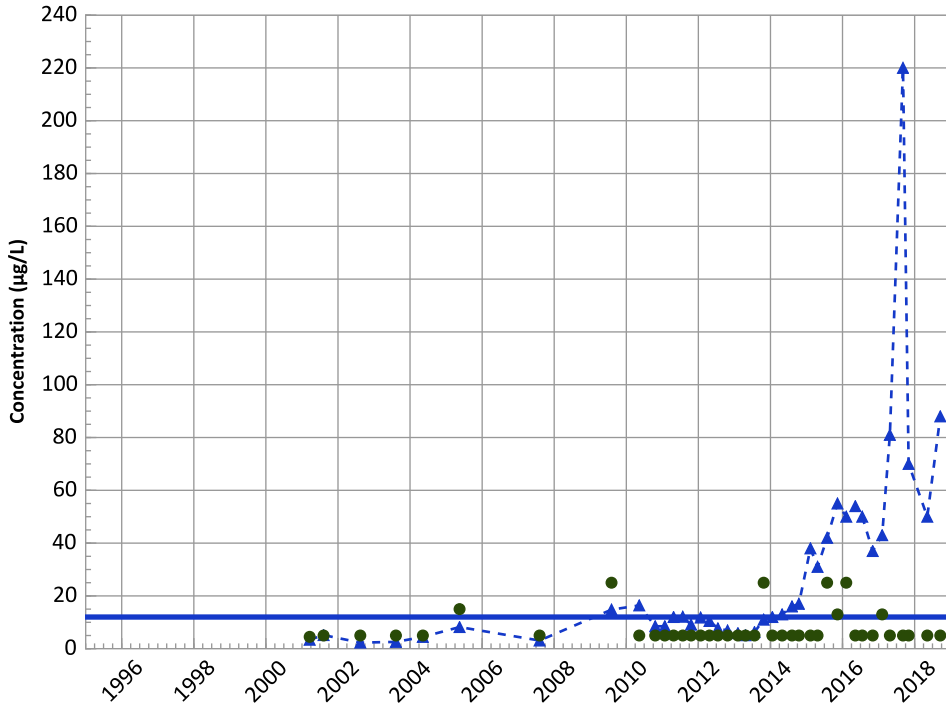
Data (2017 - 2021):

Increasing

All Data:

Decreasing

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

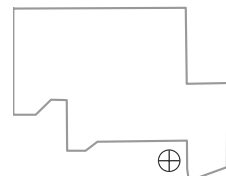
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

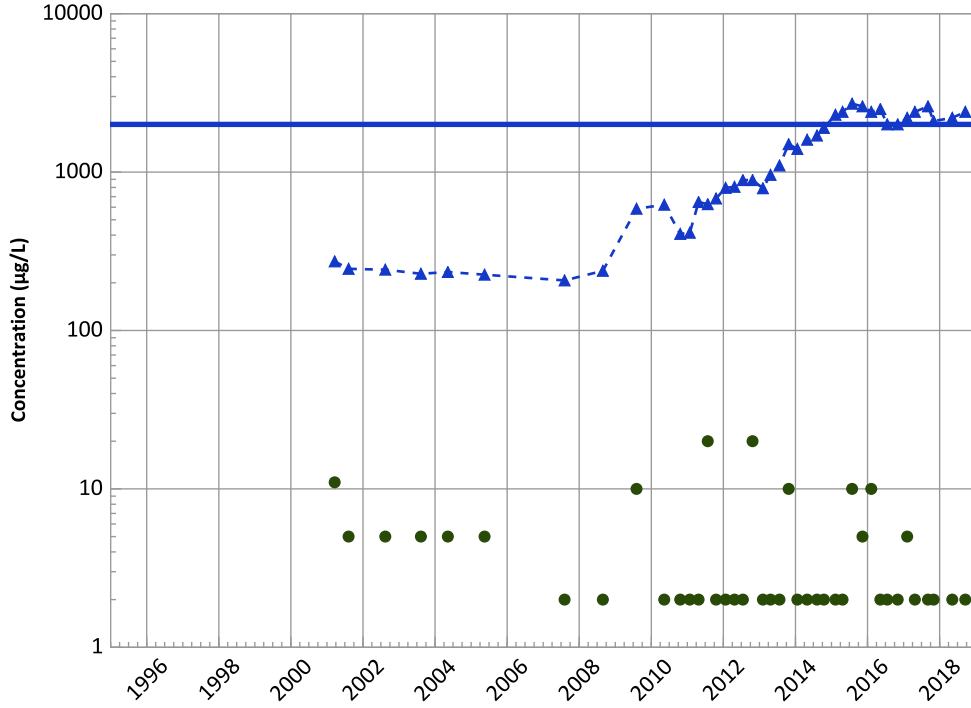


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

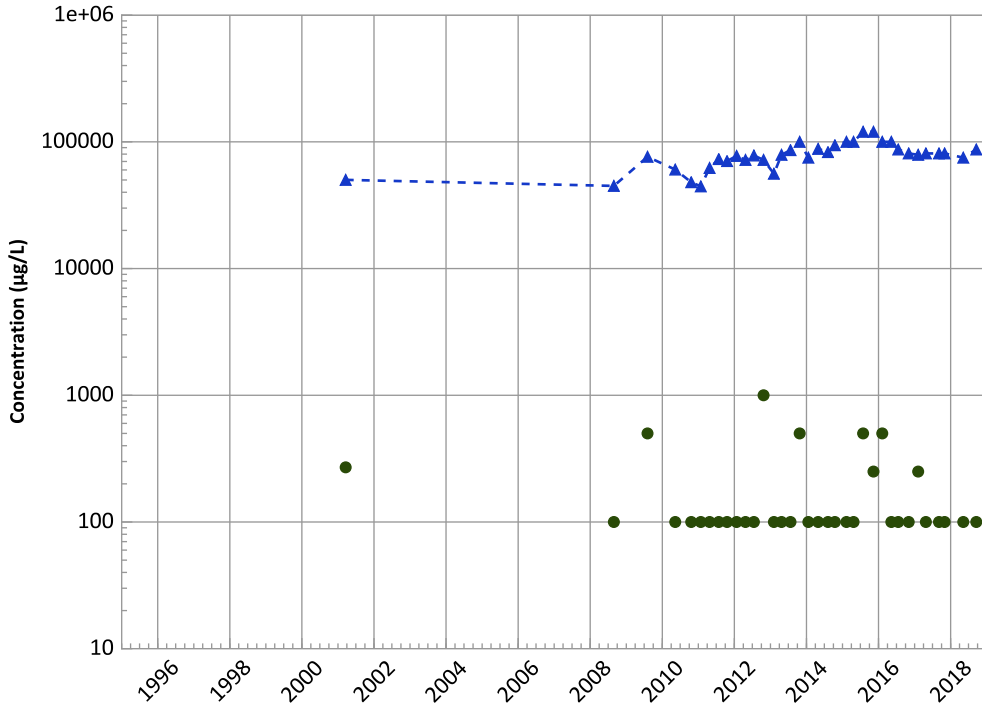
Data (2017 - 2021):

Increasing

All Data:

Increasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

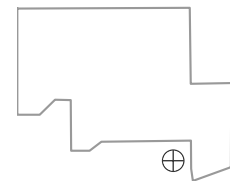
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

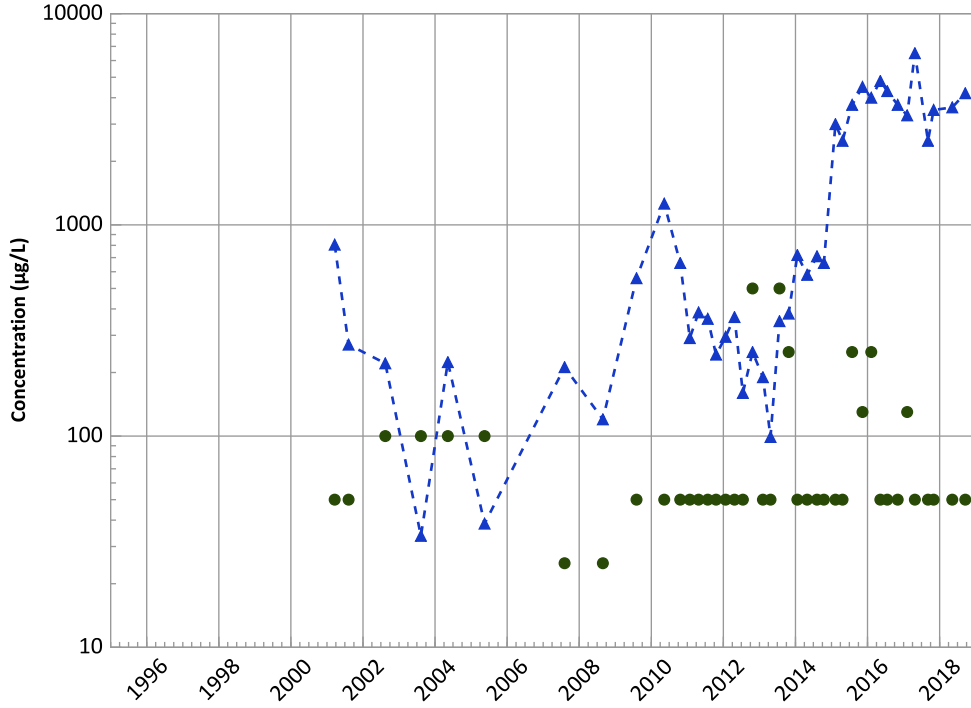


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

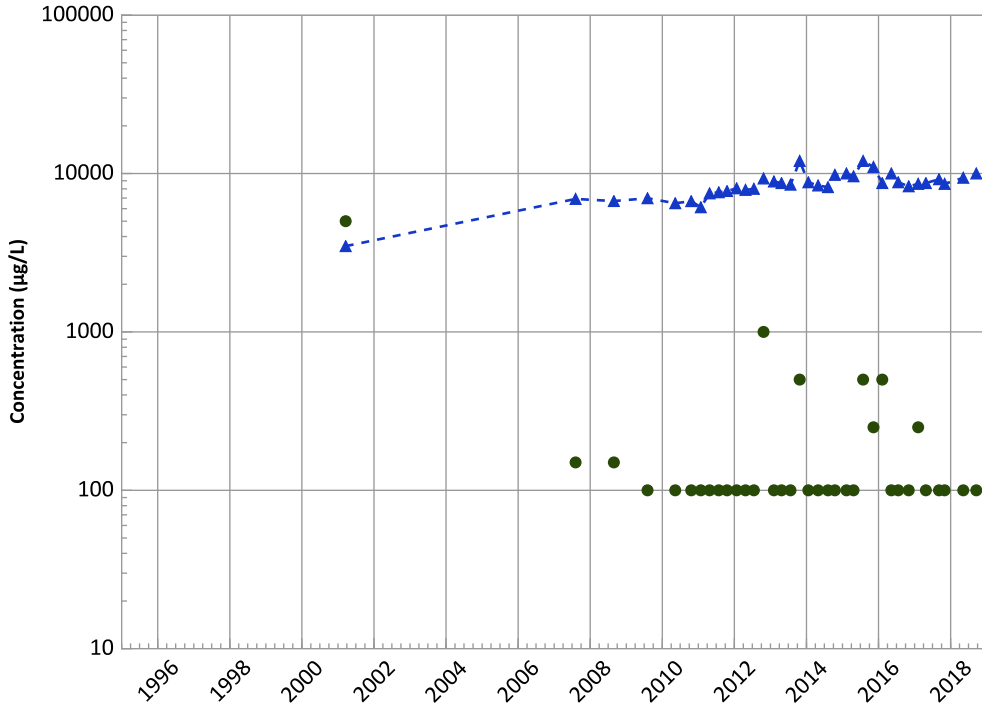
Data (2017 - 2021):

Increasing

All Data:

Increasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Increasing

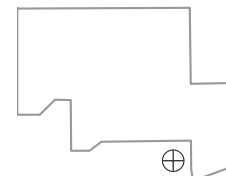
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

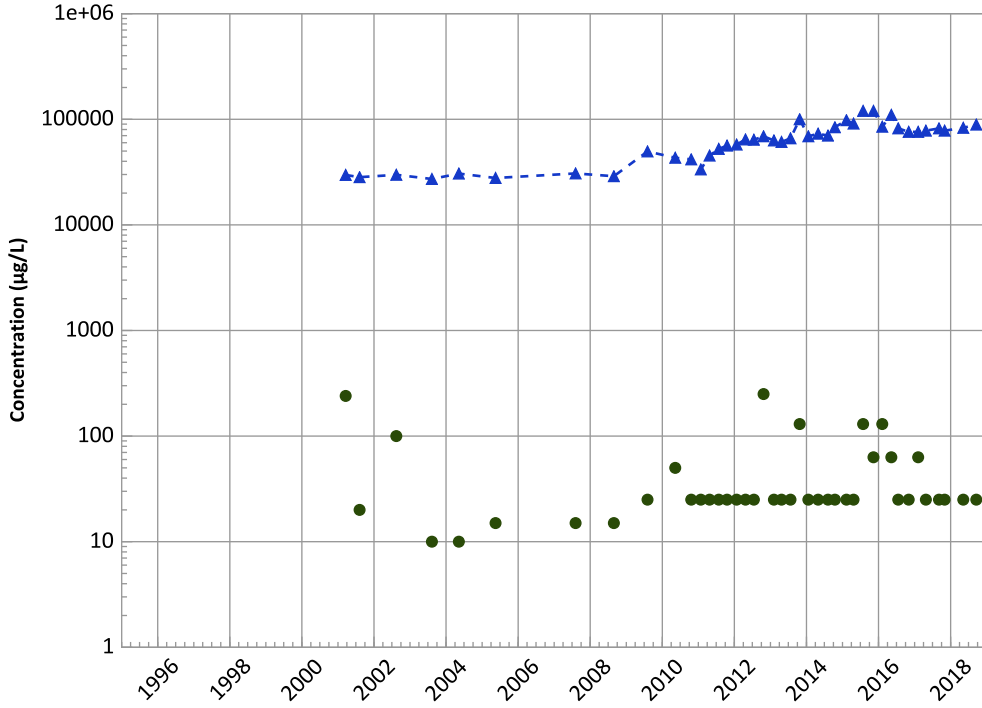
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

Magnesium Trend

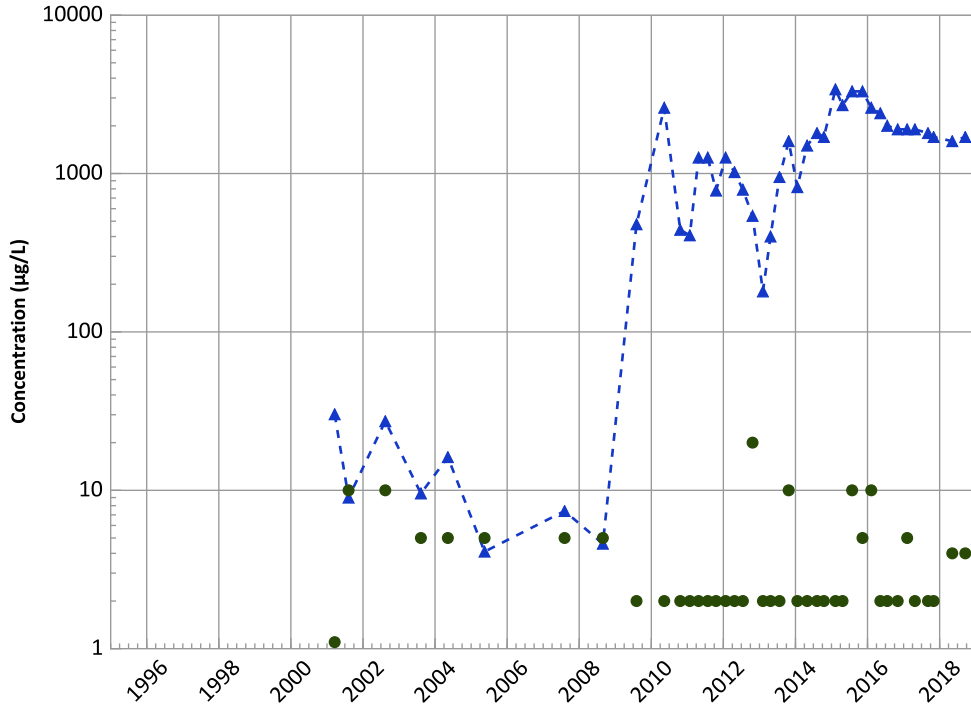


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Manganese Trend

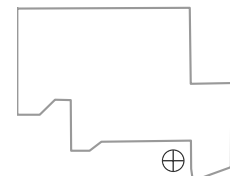


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Well Location

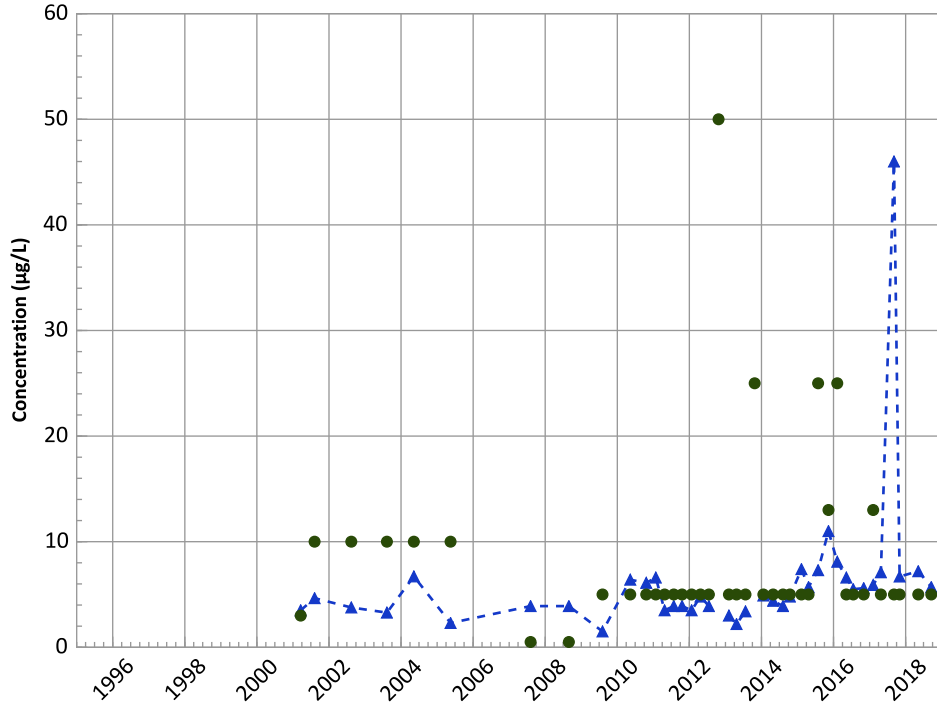


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

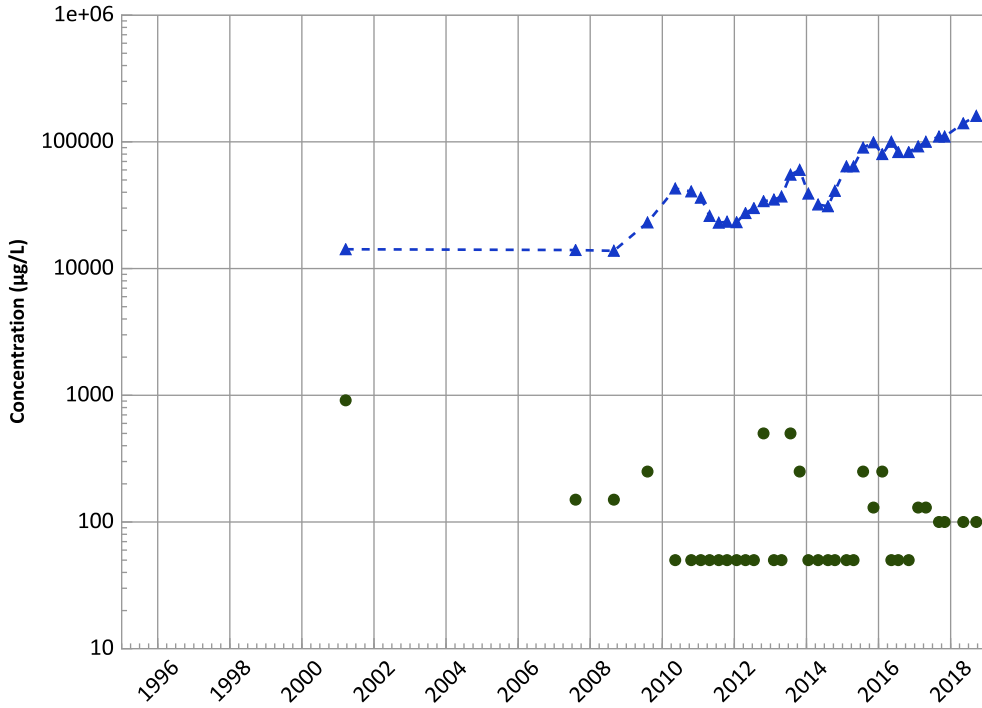
Data (2017 - 2021):

Increasing

All Data:

Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

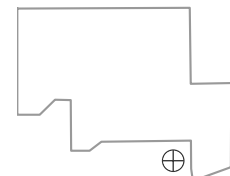
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

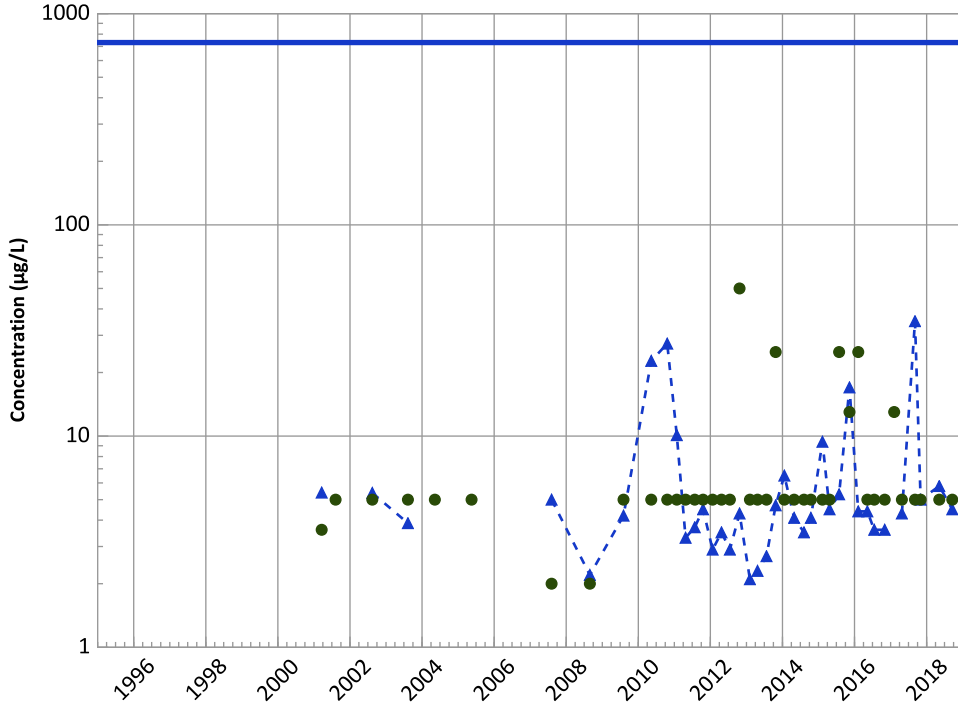


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

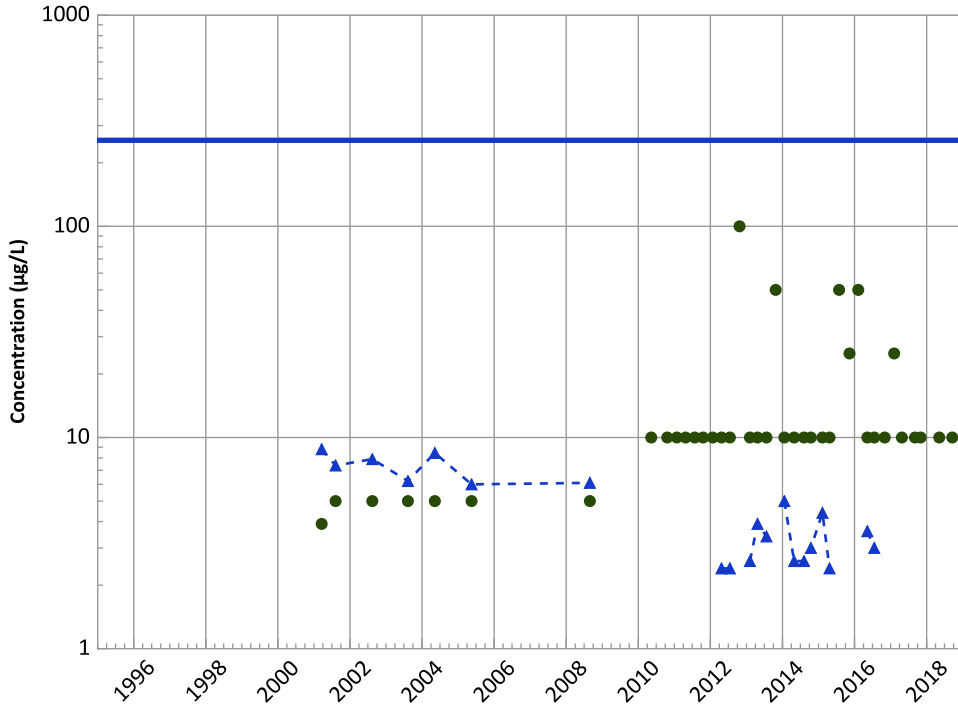
Data (2017 - 2021):

Increasing

All Data:

No Trend

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

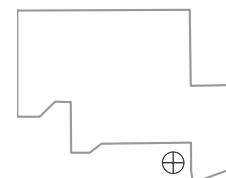
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

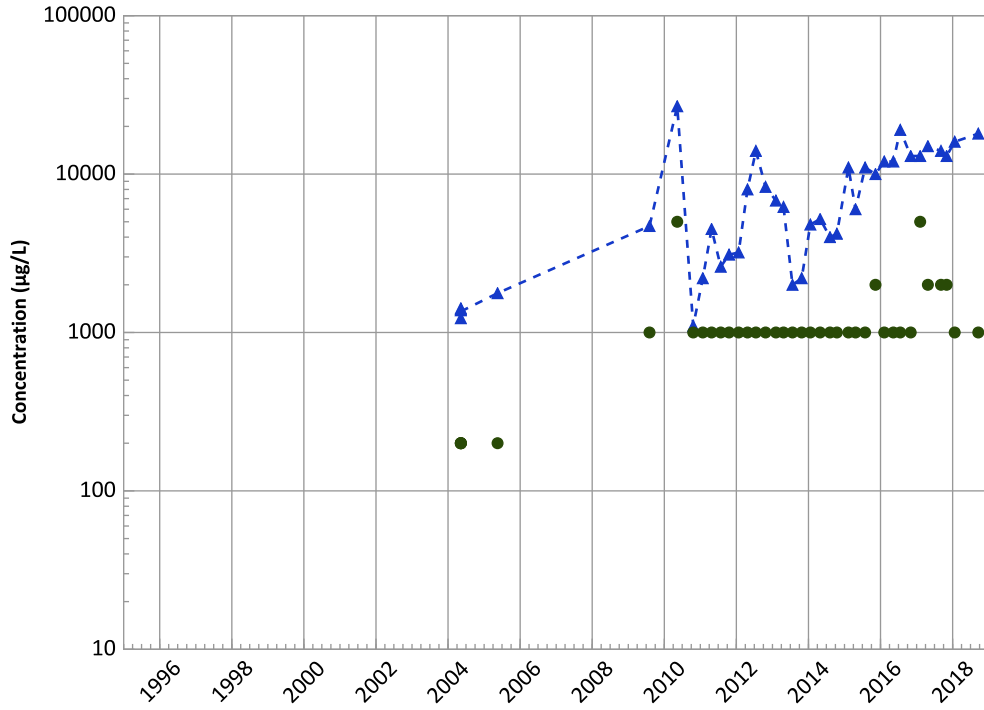
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1037 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

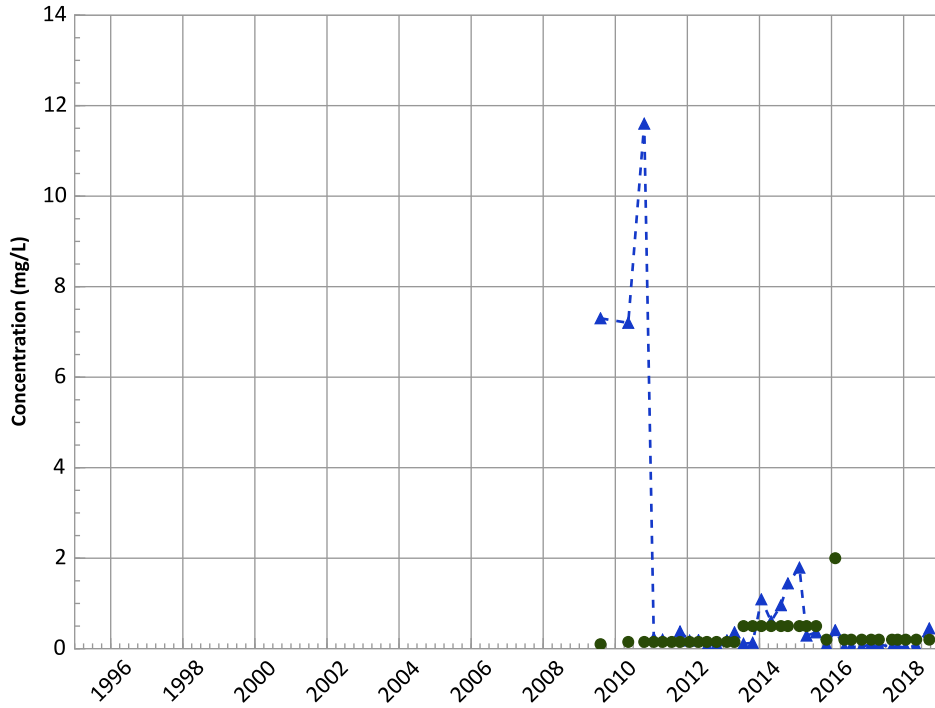
Data (2017 - 2021):

Increasing

All Data:

Increasing

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

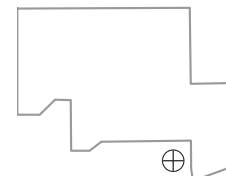
Data (2017 - 2021):

No Trend

All Data:

Decreasing

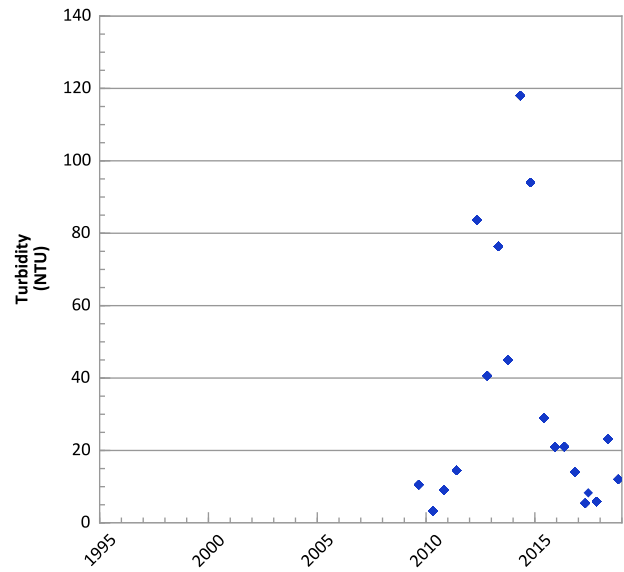
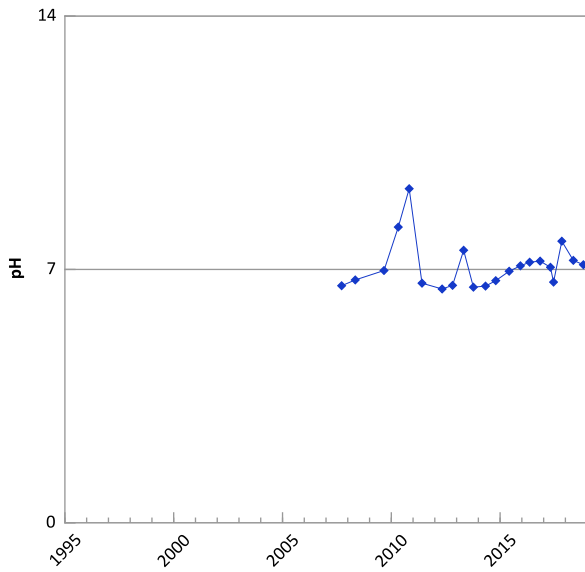
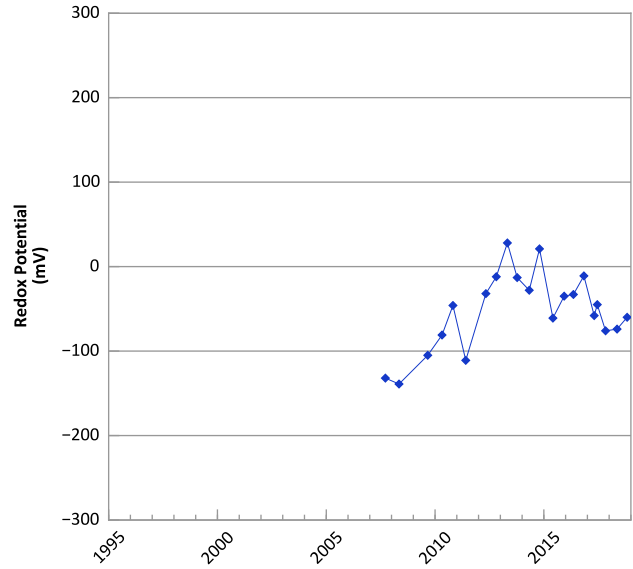
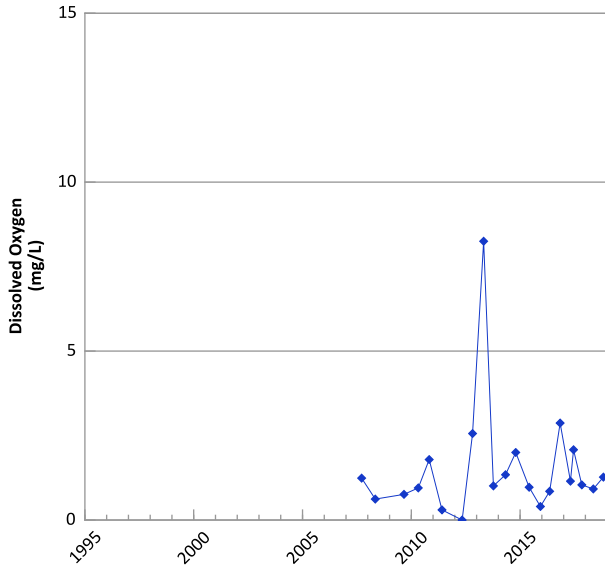
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/25/1998 to 09/18/2018
Analysis Date: 02/14/2019

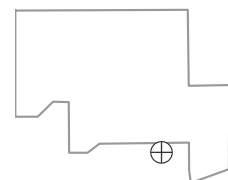
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



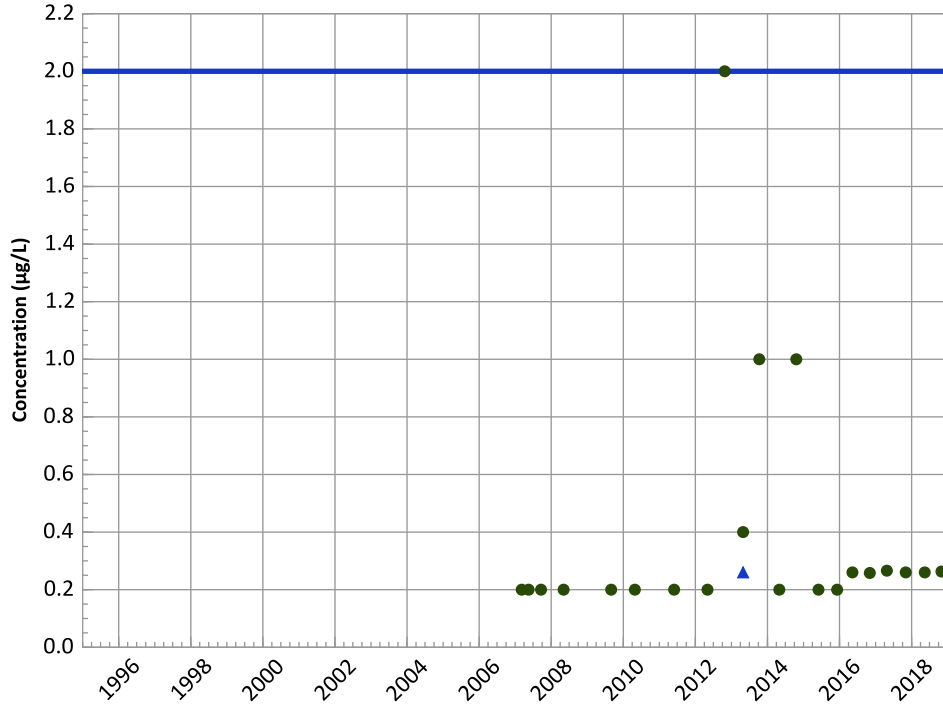
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 03/08/2007 to 10/30/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

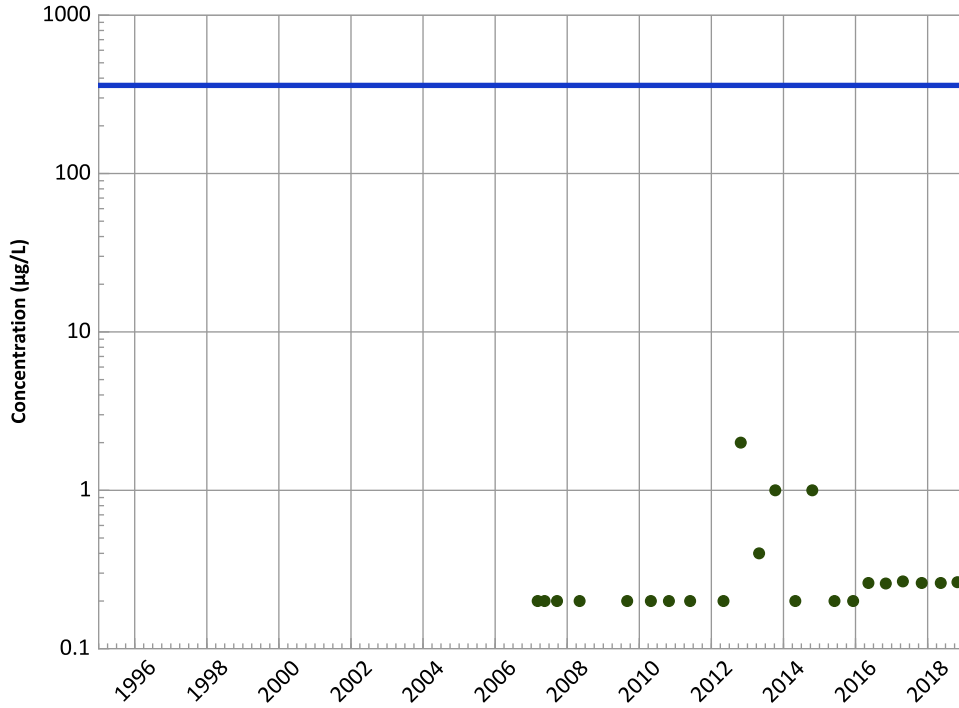
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

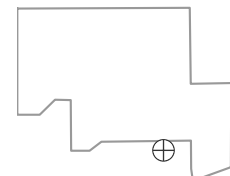
Query Date Range: 01/01/1992 to 12/31/2018

Data Date Range: 03/08/2007 to 10/30/2018

Analysis Date: 02/14/2019

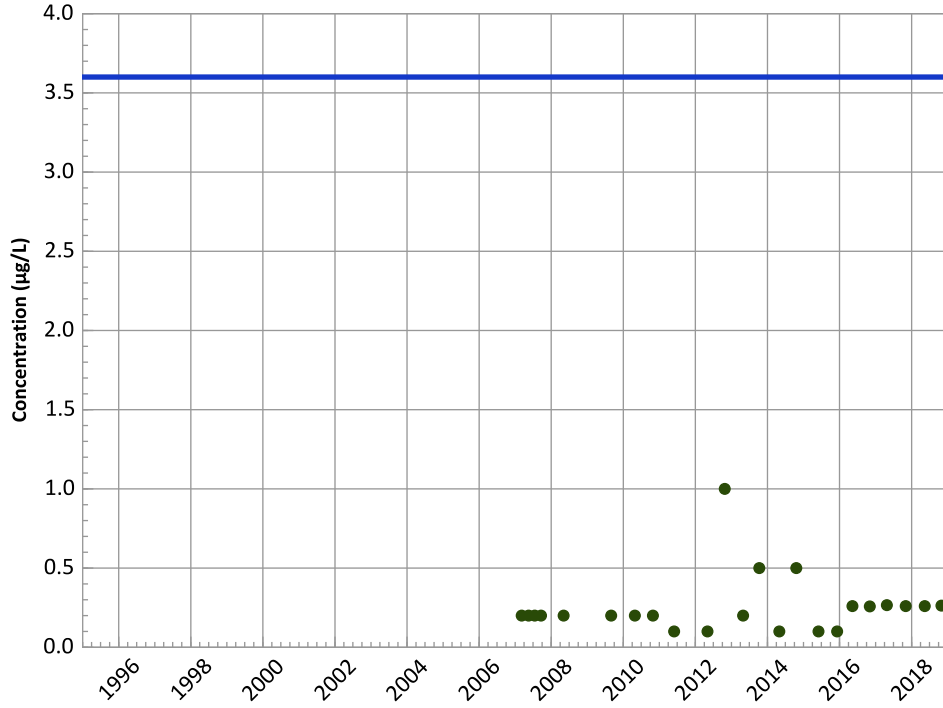
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

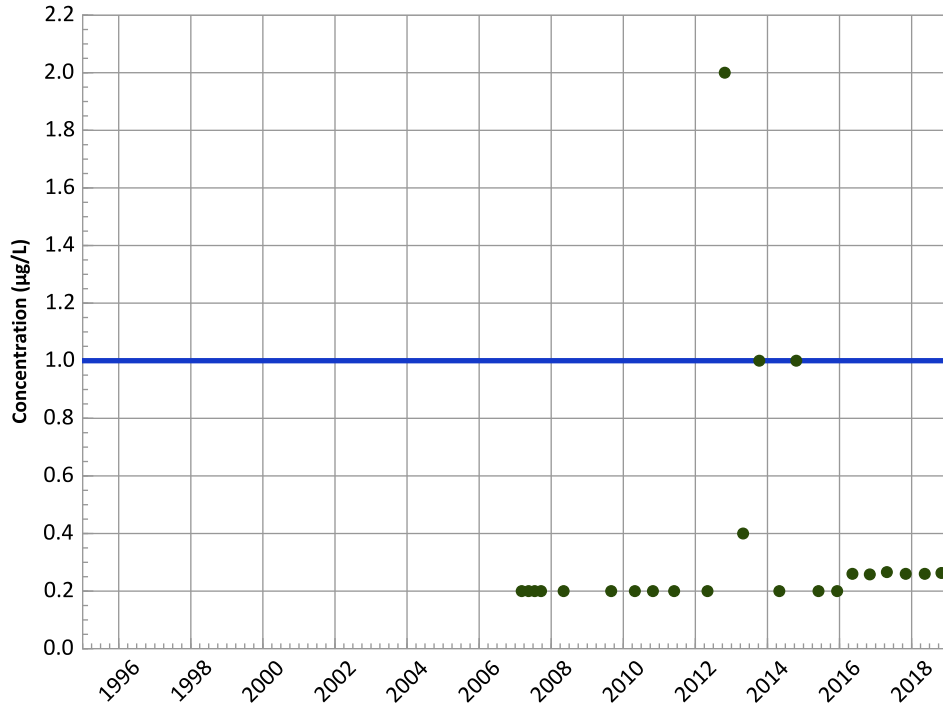
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

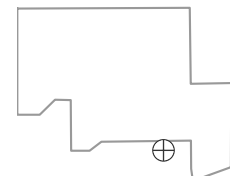
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

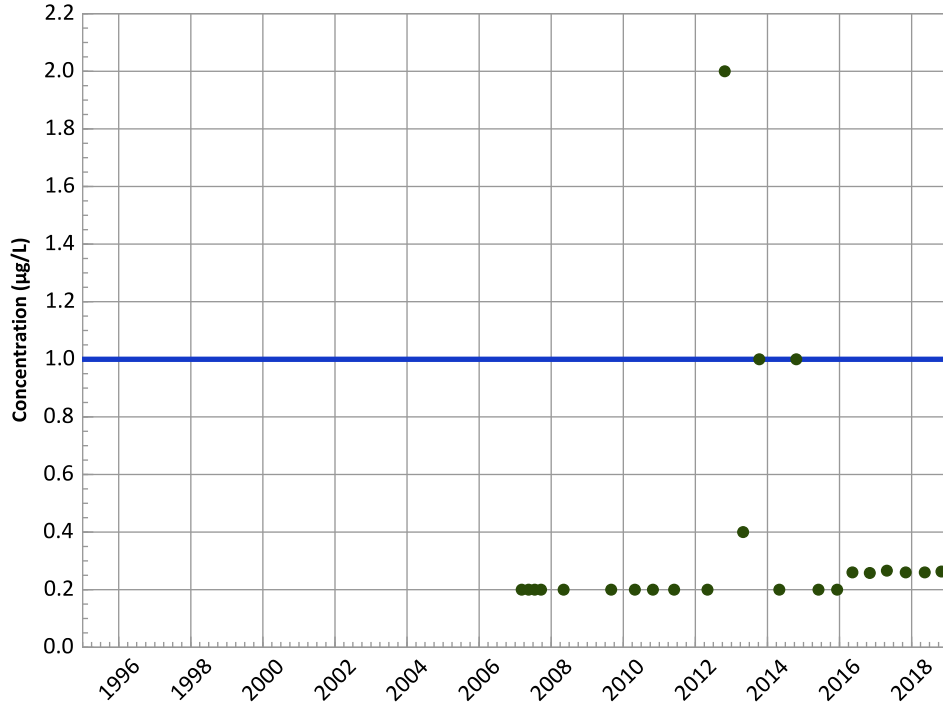
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

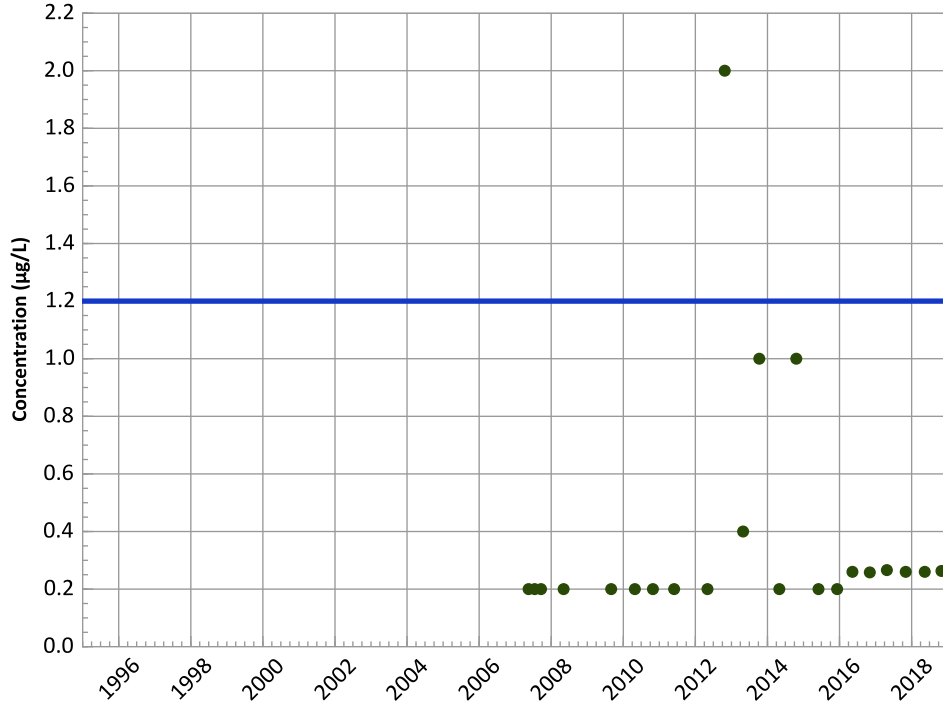
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

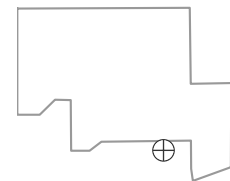
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

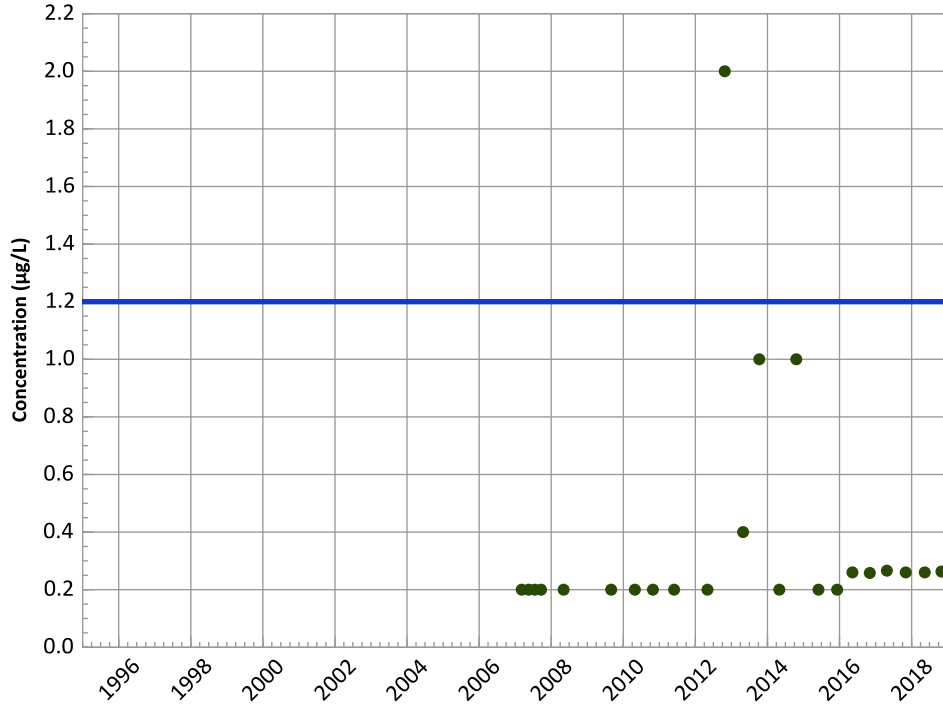


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

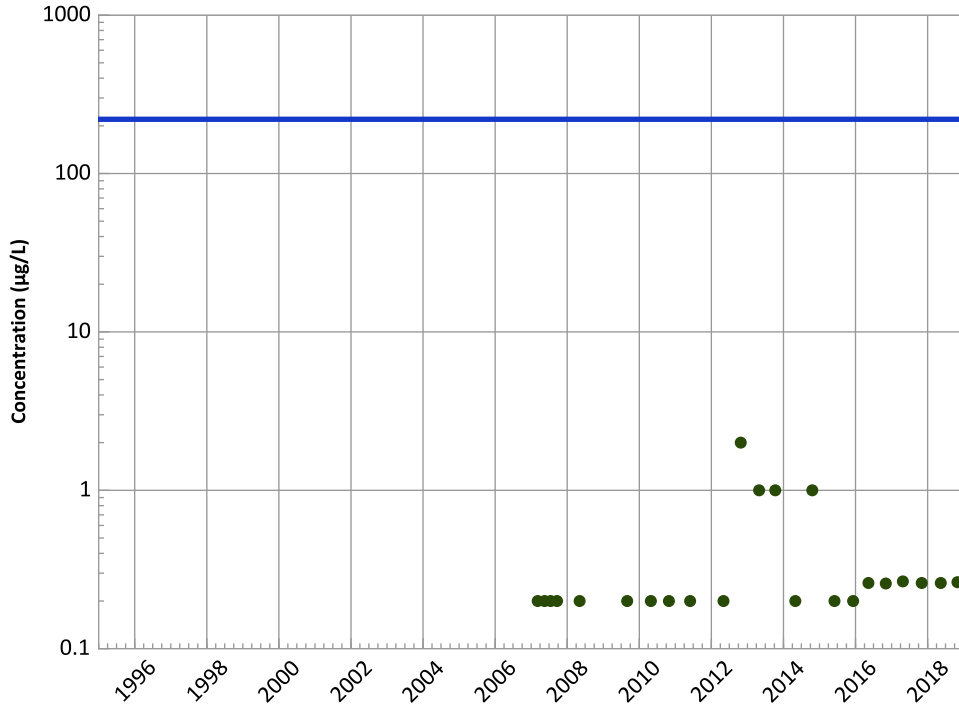


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

1,3,5-Trinitrobenzene Trend

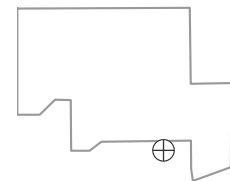


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

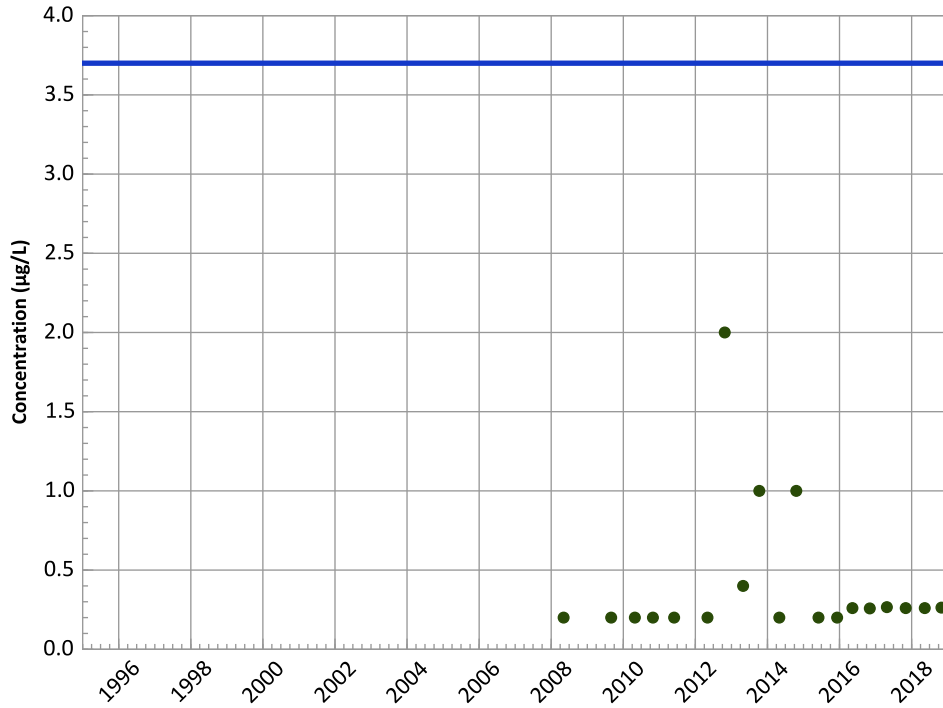
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

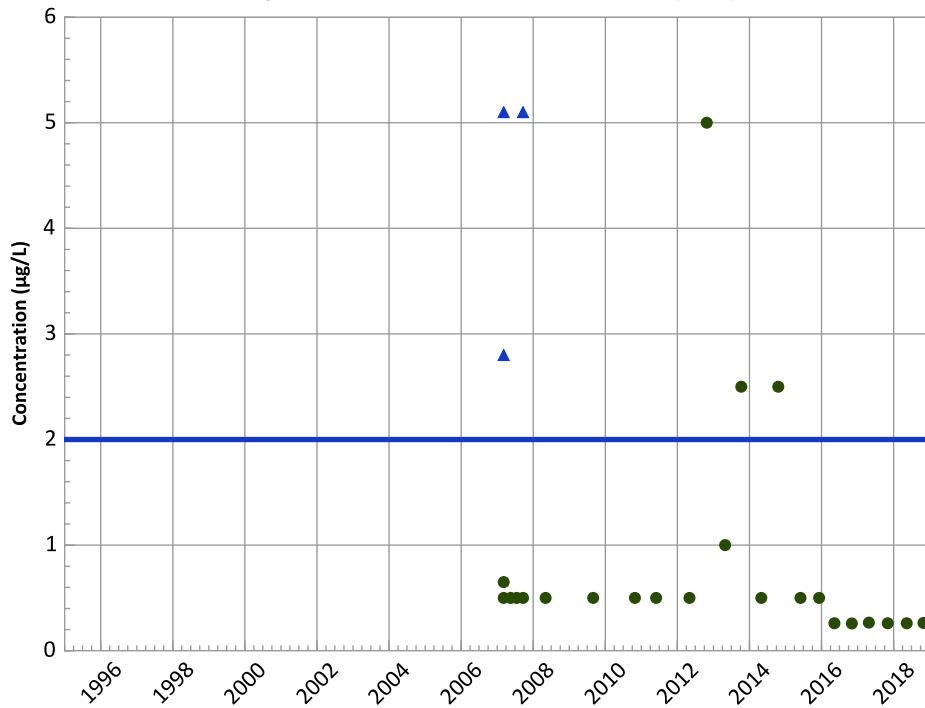
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

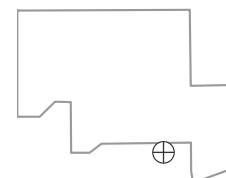
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

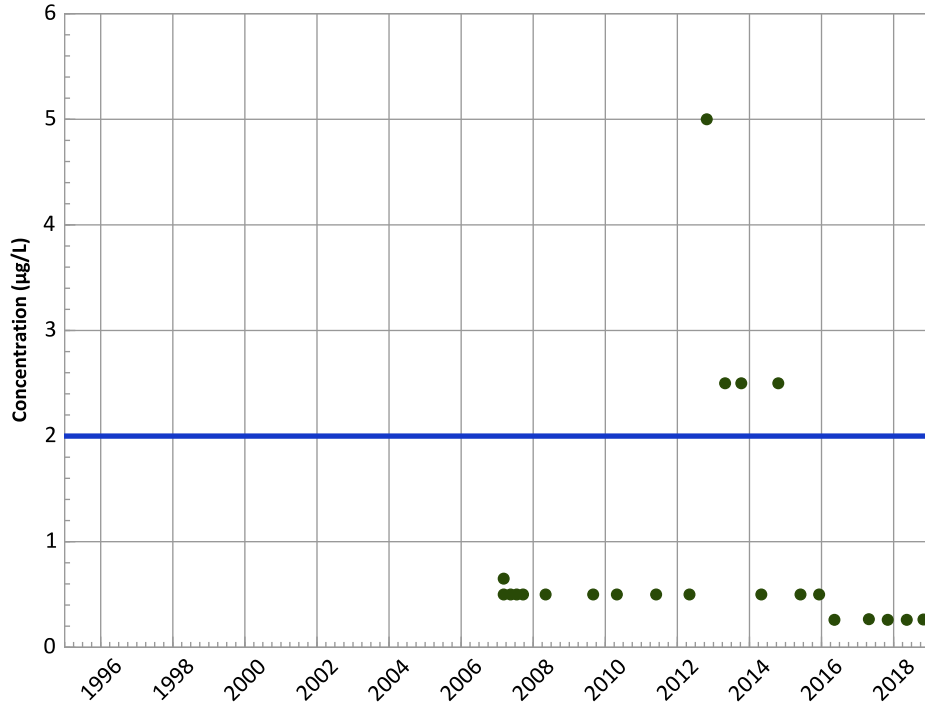
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

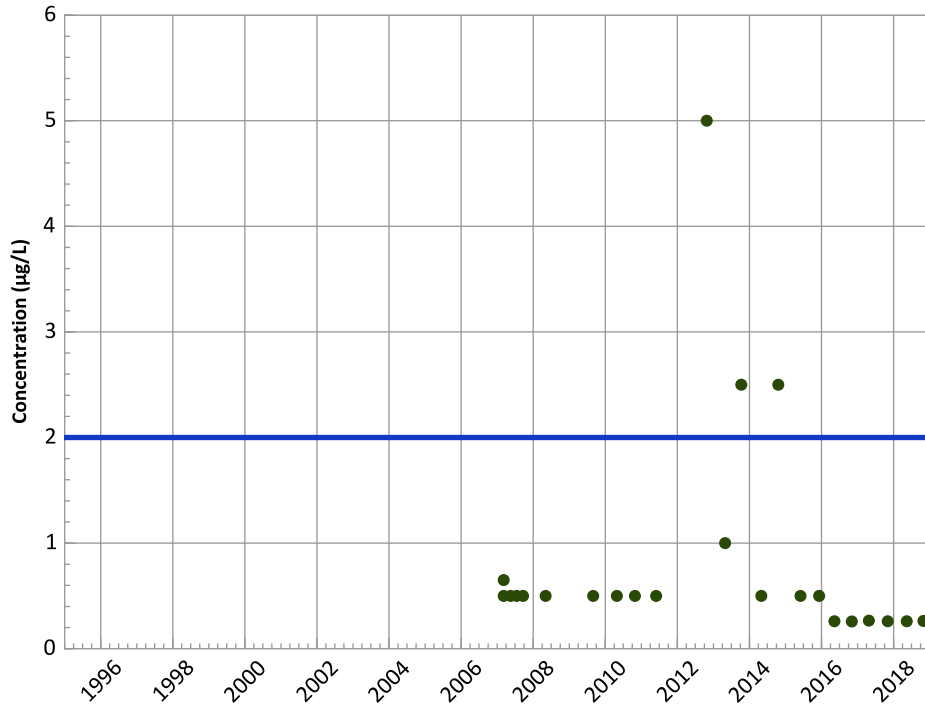


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

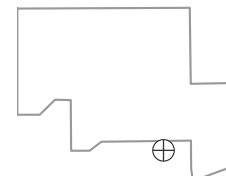
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

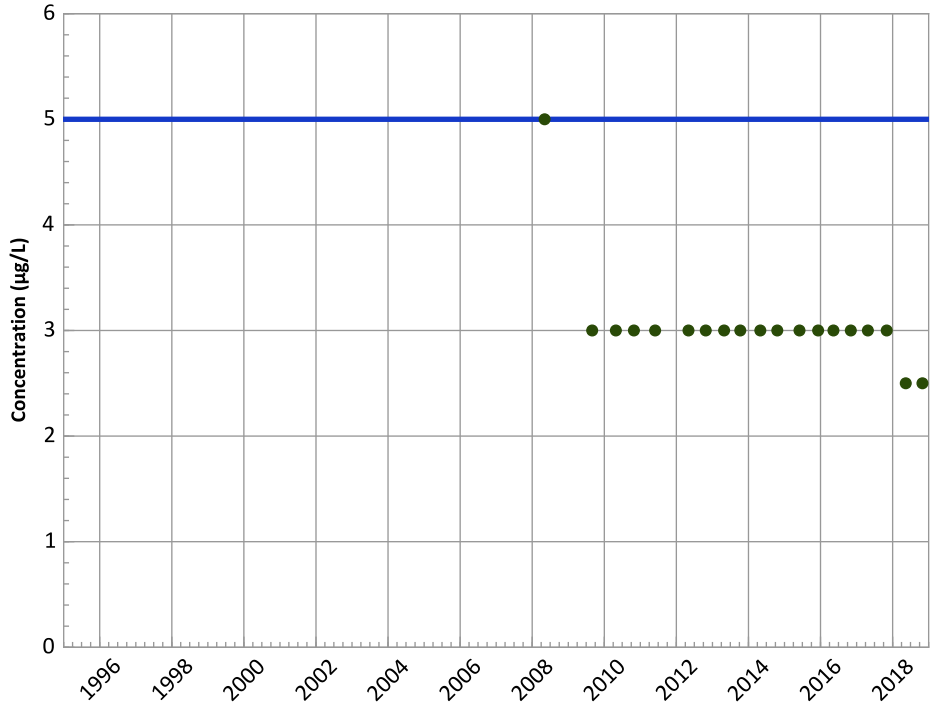
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

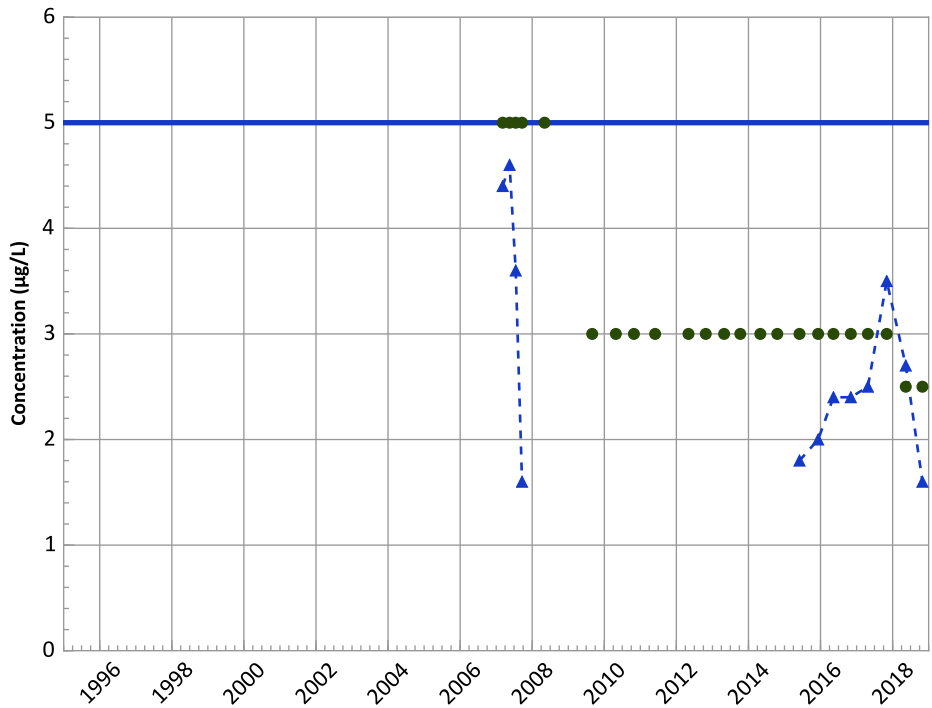
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

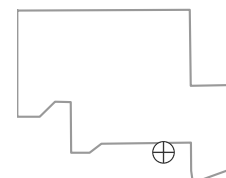
Data (2017 - 2021):

Increasing

All Data:

Probably Decreasing

Well Location

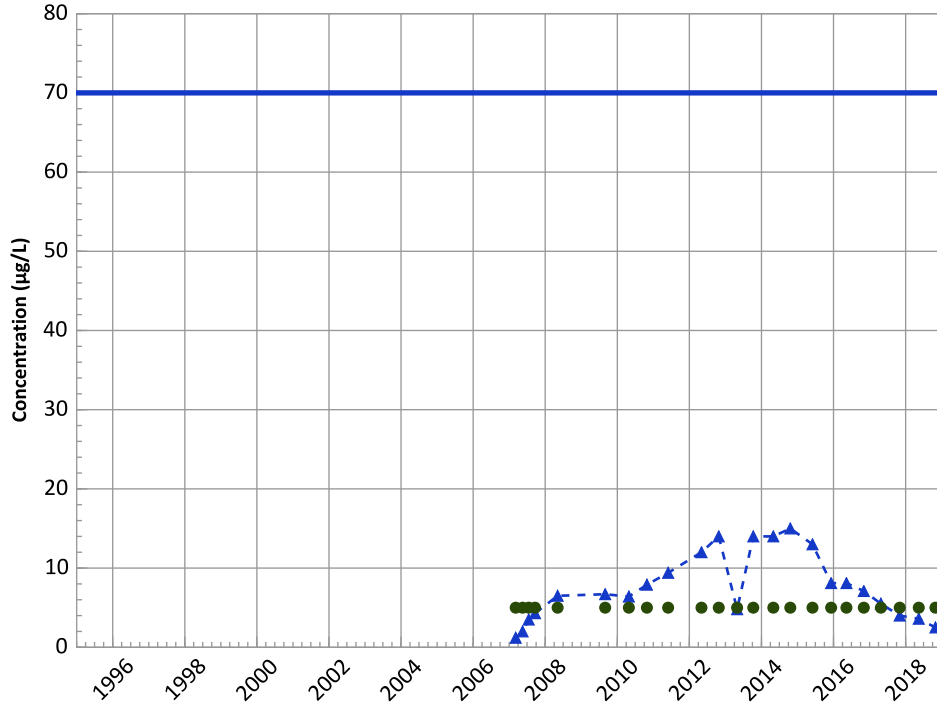


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

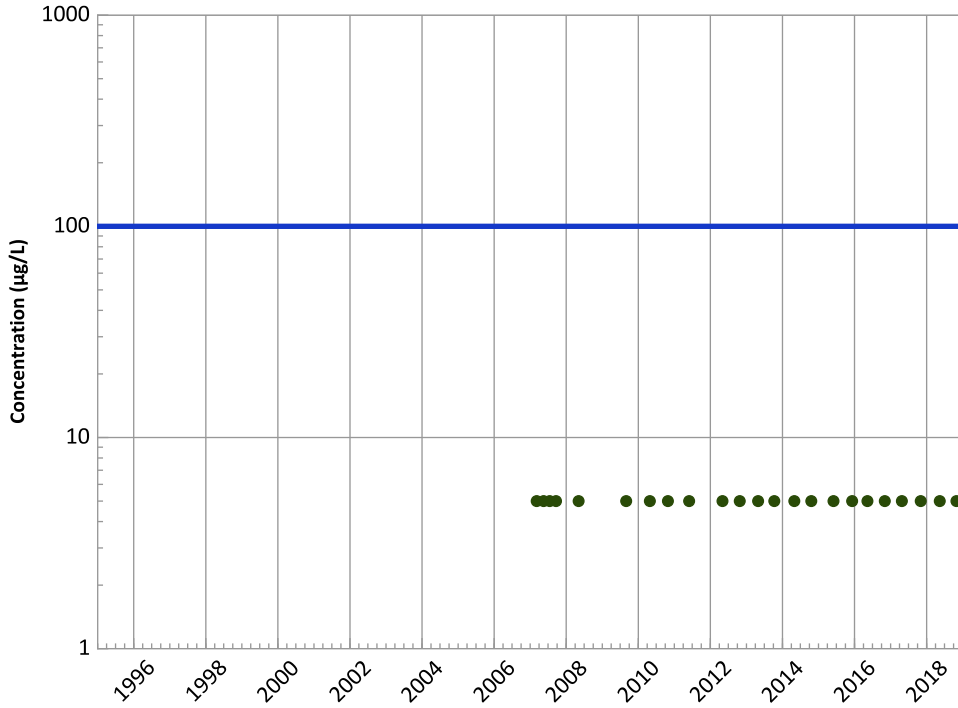
Data (2017 - 2021):

Stable

All Data:

No Trend

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

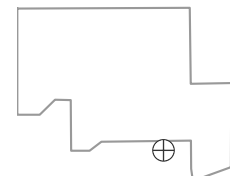
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

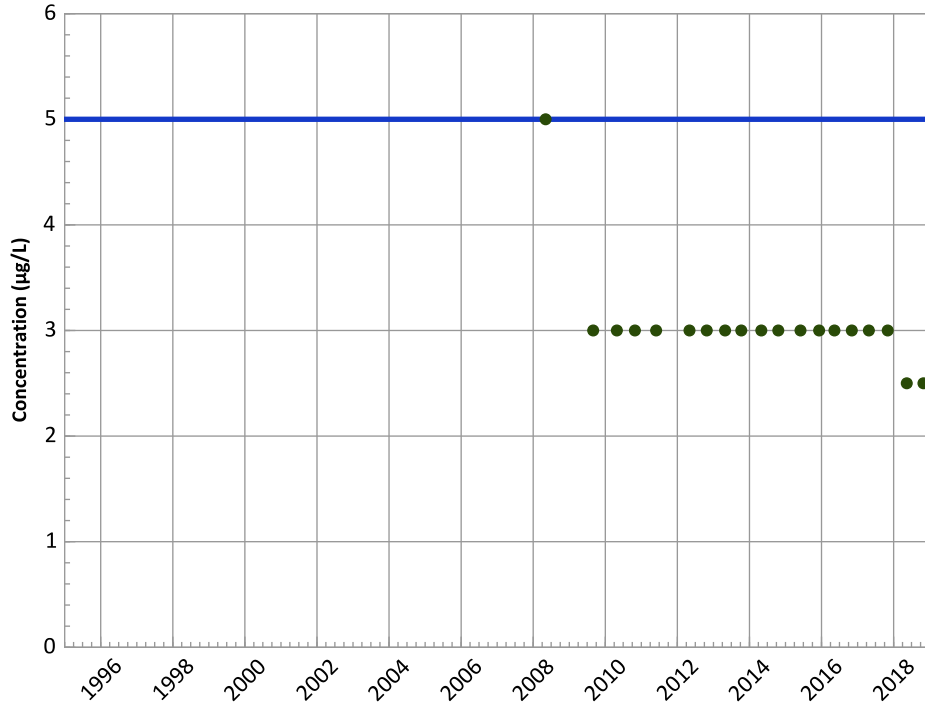
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

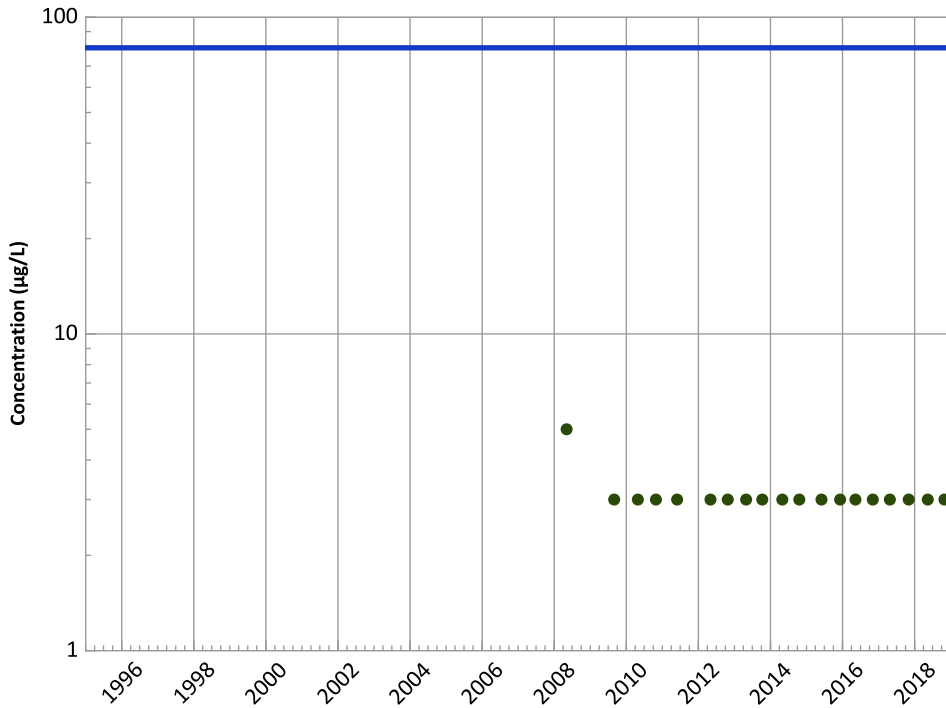
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

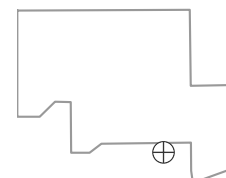
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

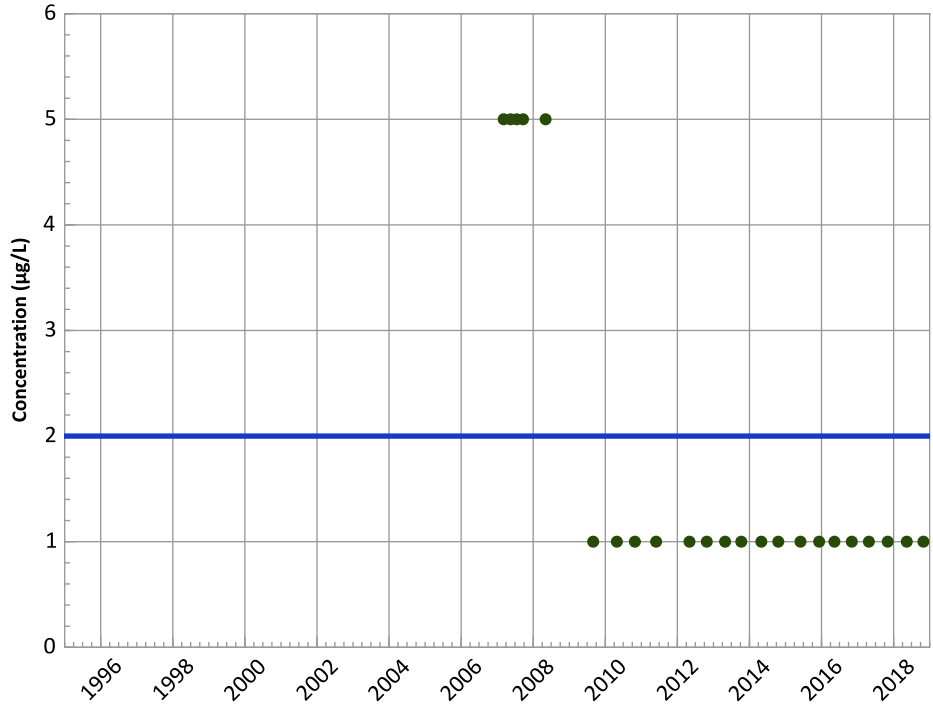
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

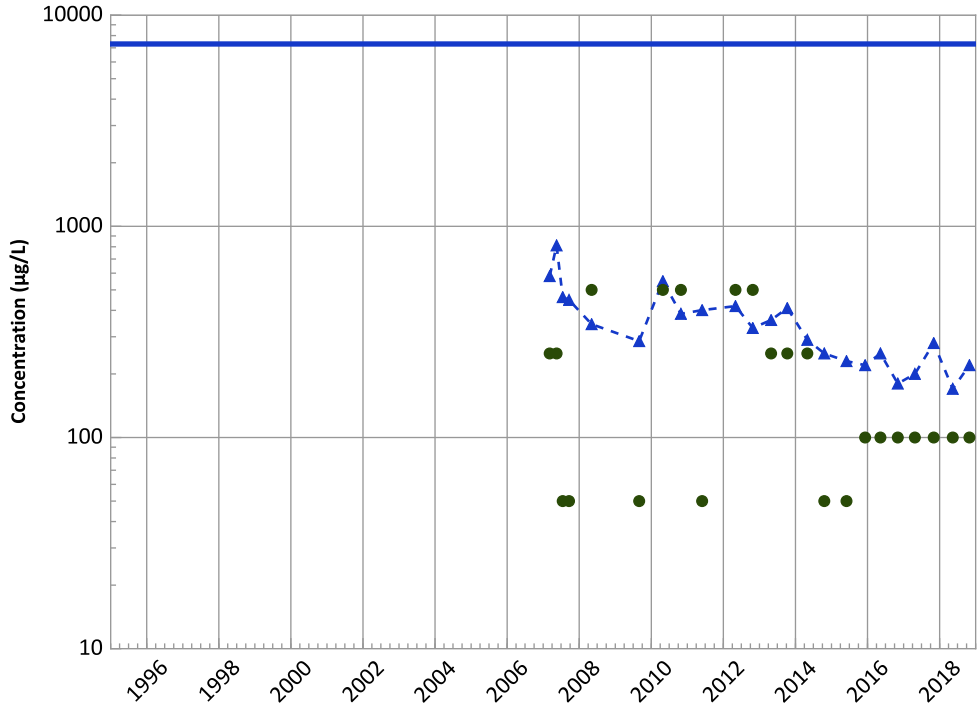


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Boron Trend

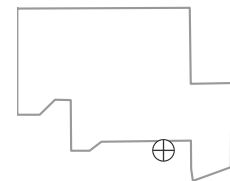


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

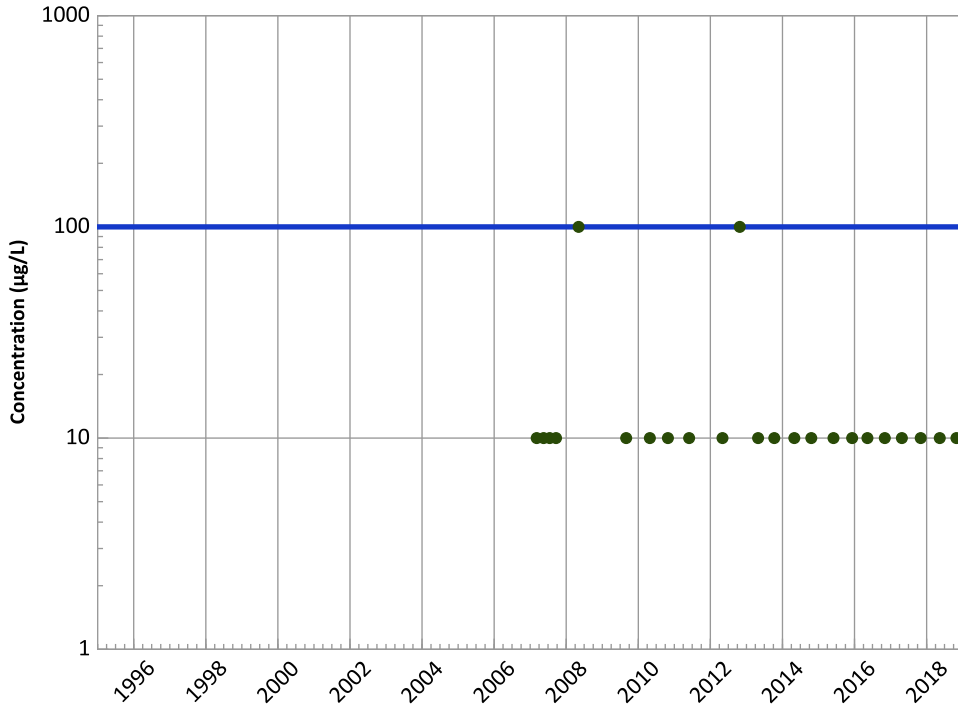


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

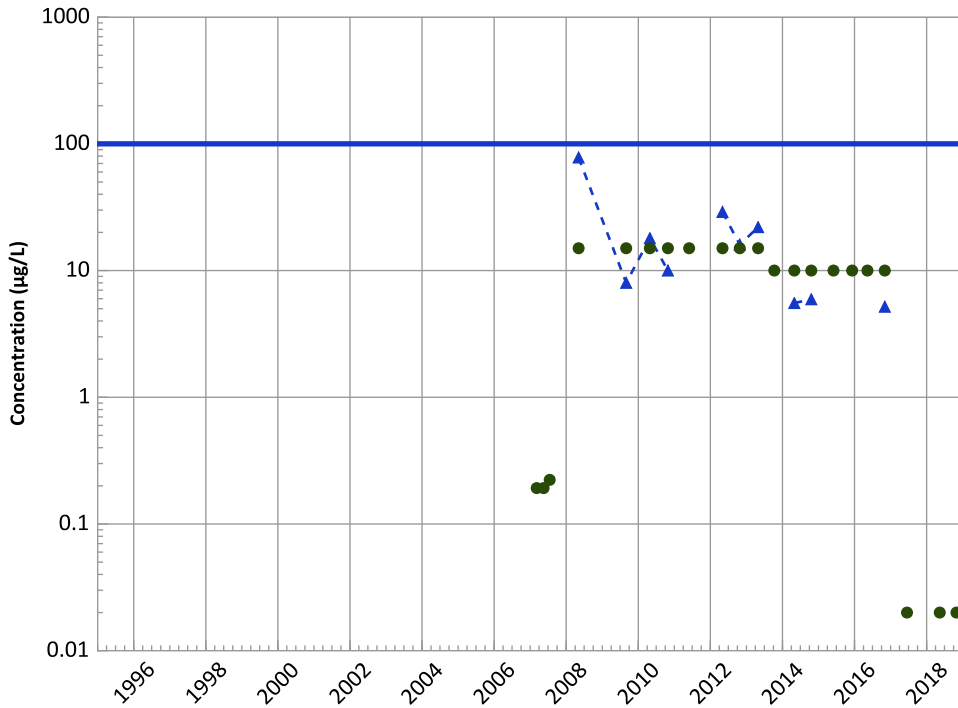


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Chromium, Hexavalent Trend

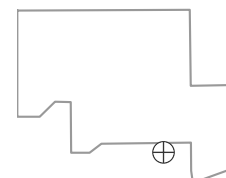


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

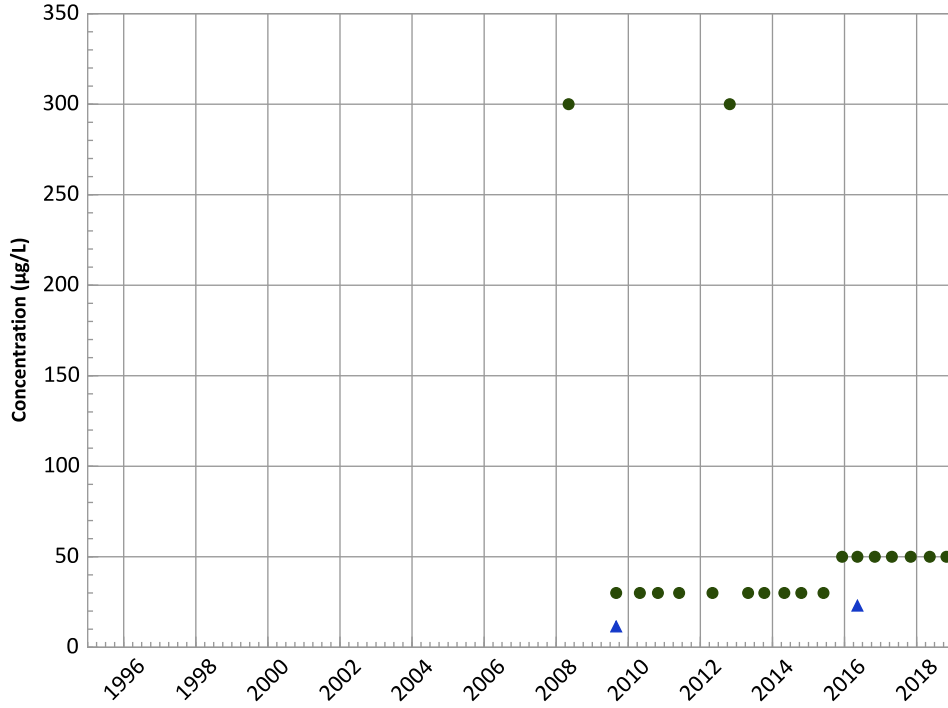


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Aluminum Trend

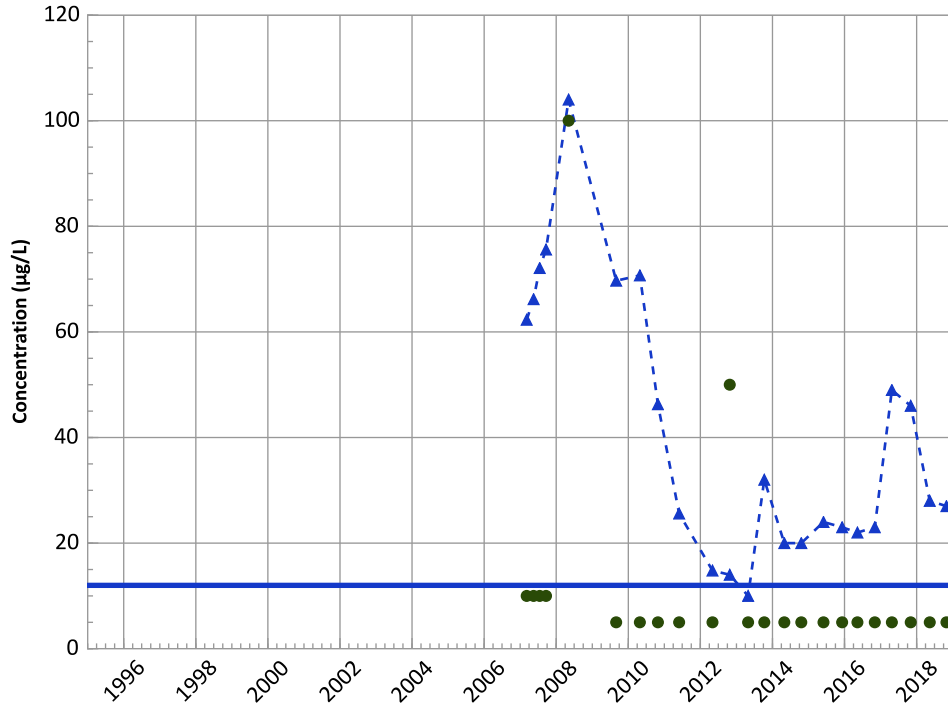


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Arsenic Trend



Concentration Trend

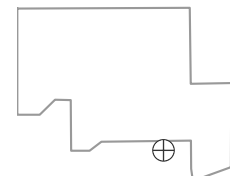
MAROS Mann-Kendall Method
Data (2017 - 2021):
Probably Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

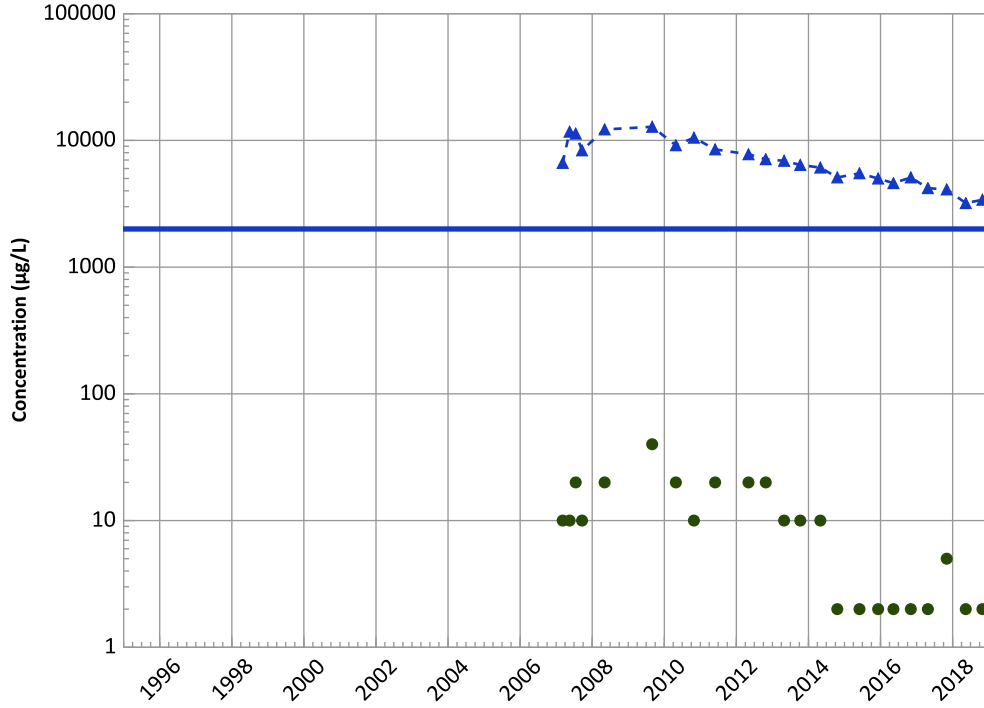
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

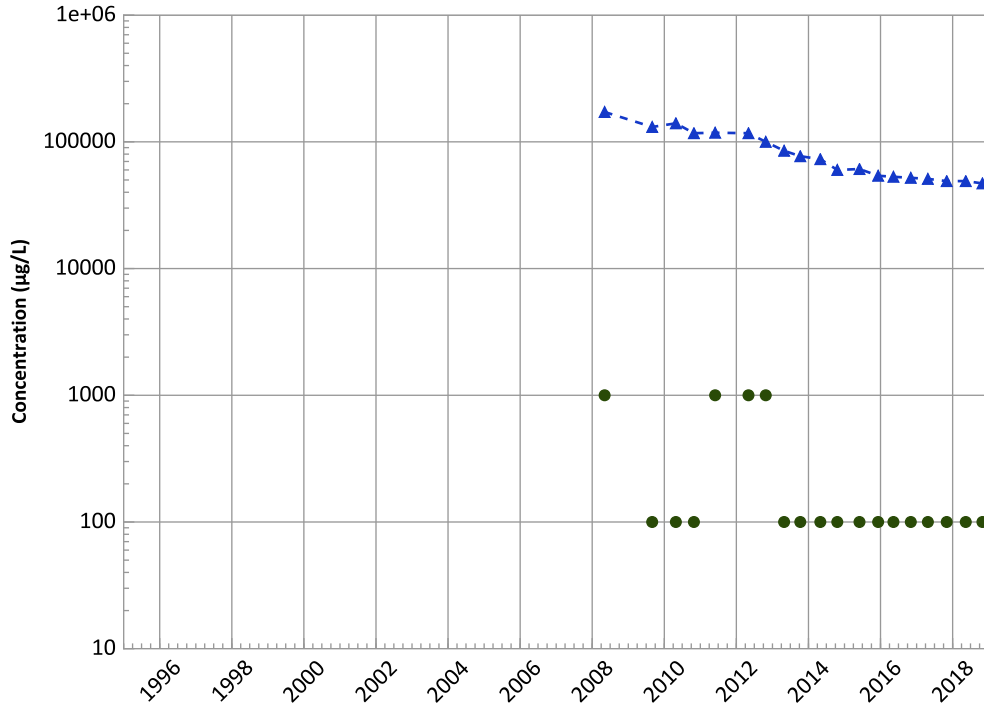
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

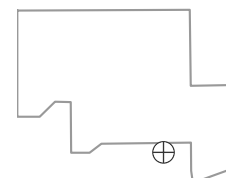
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

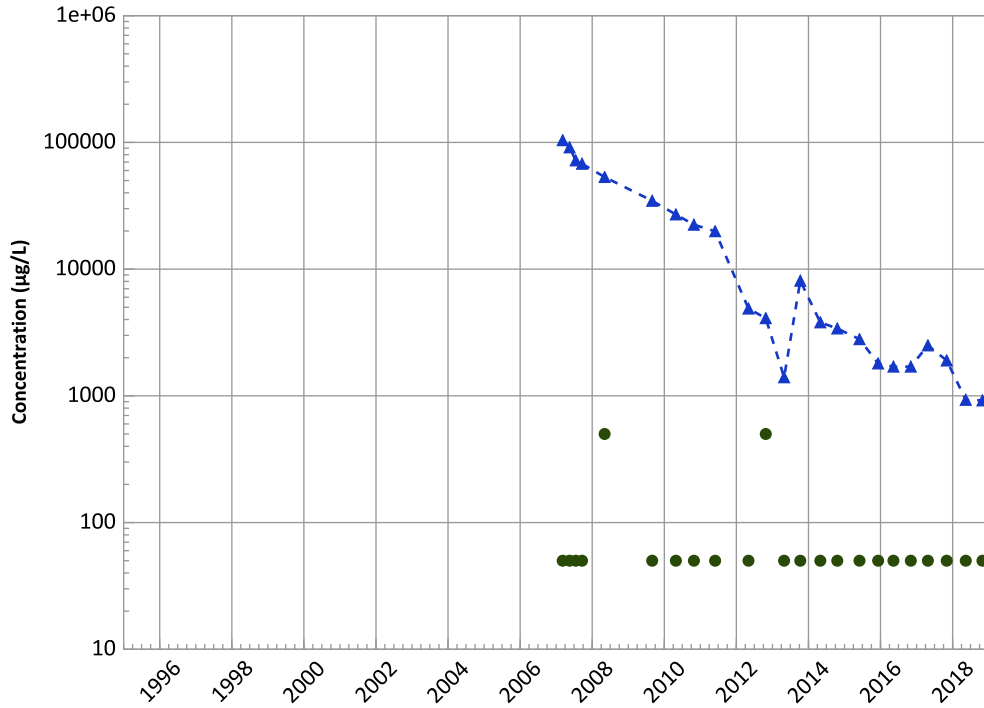


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

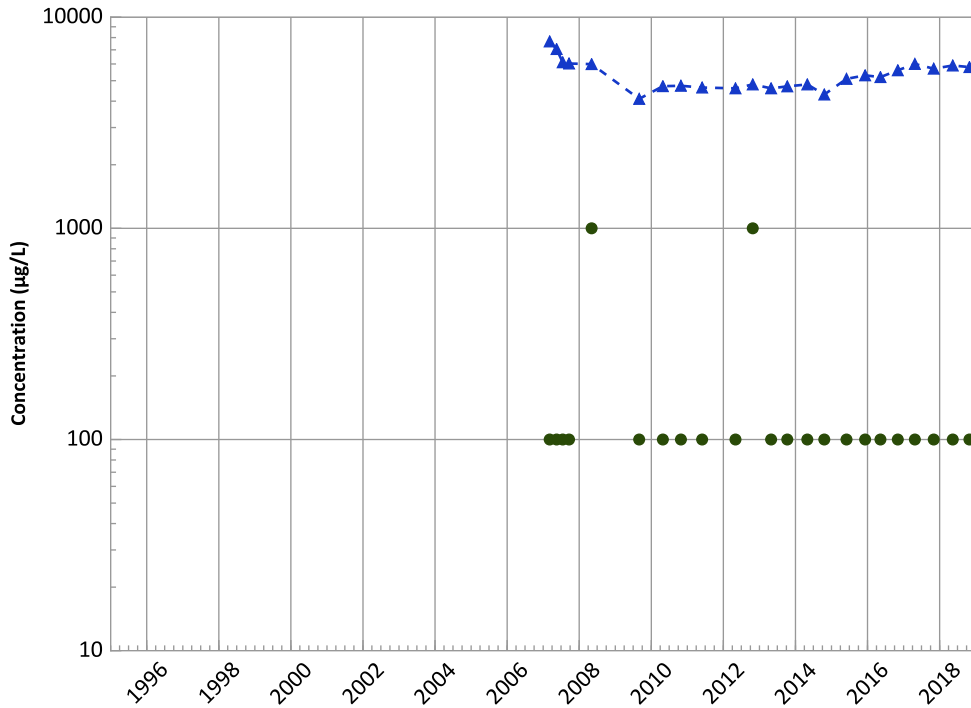
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

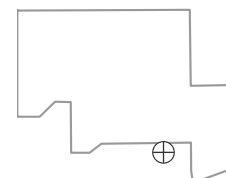
Data (2017 - 2021):

Increasing

All Data:

Stable

Well Location

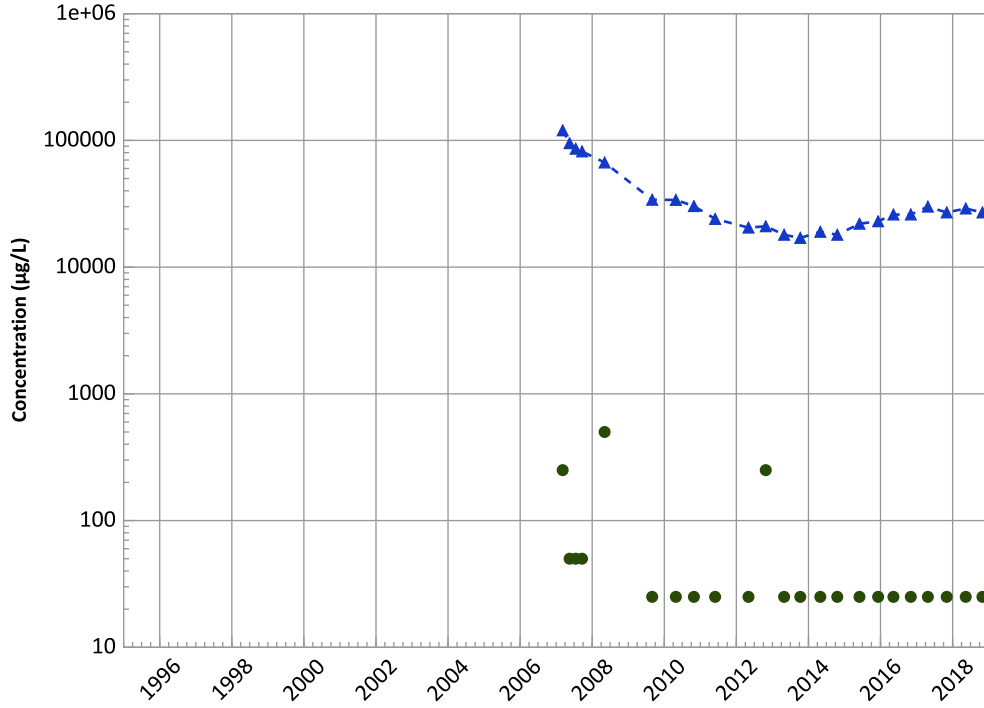


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Magnesium Trend

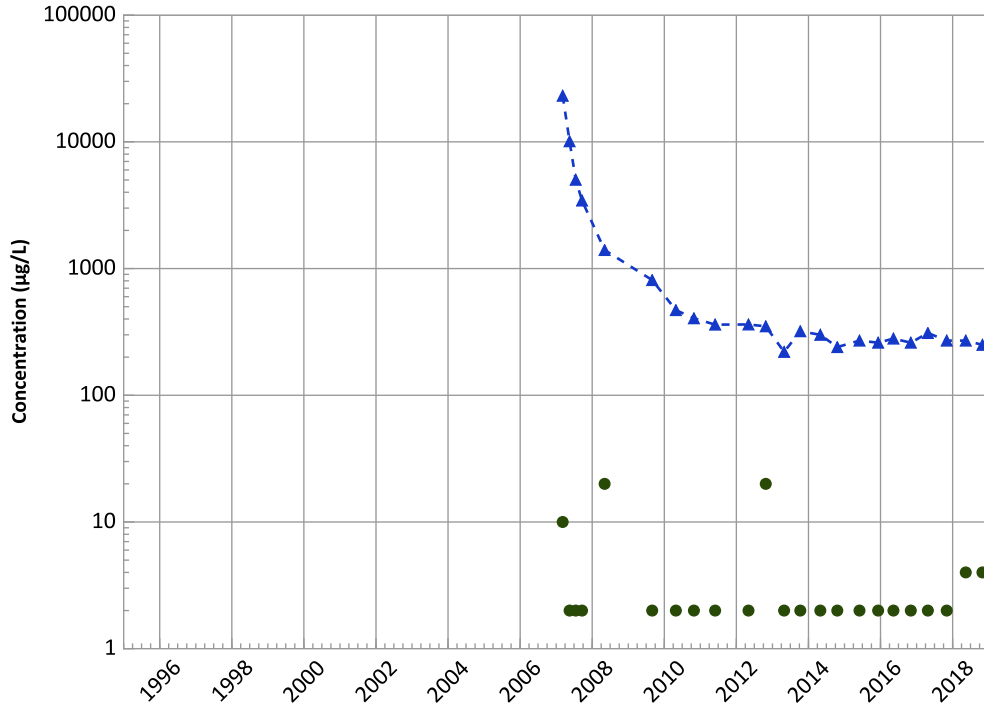


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

Manganese Trend

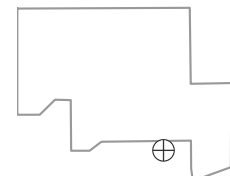


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
Decreasing

Well Location

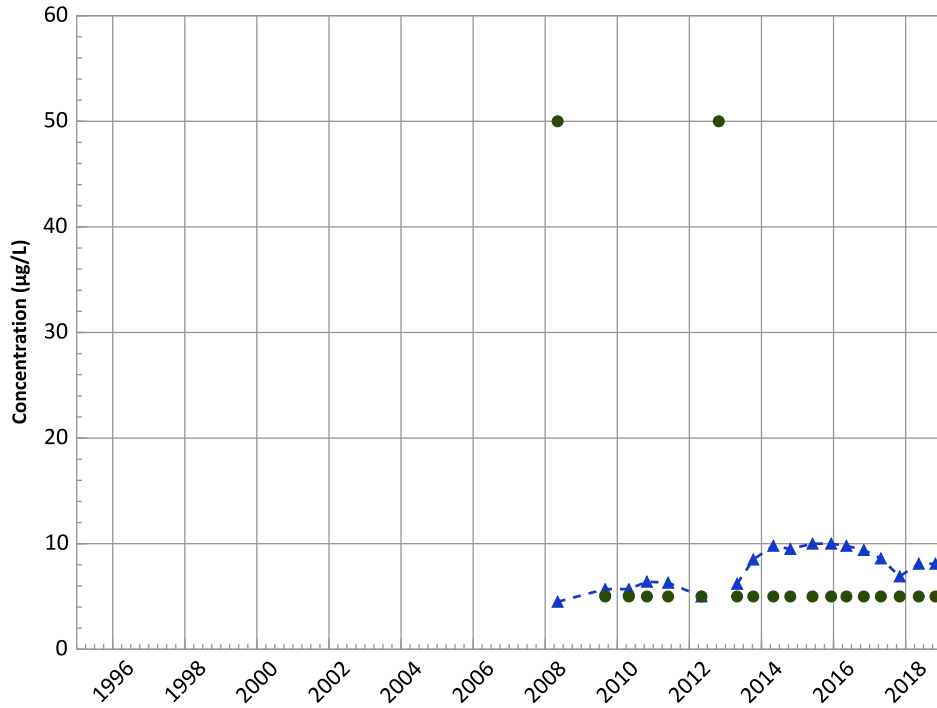


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend

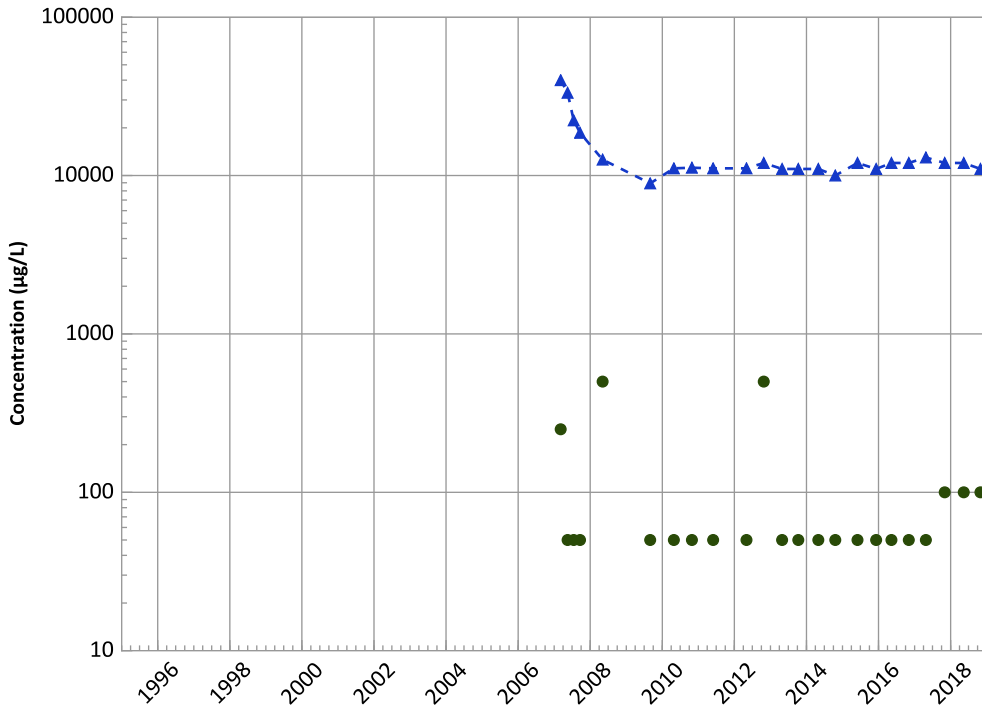


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Sodium Trend

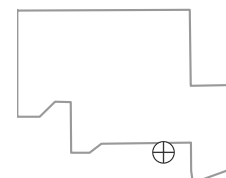


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

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

Well Location

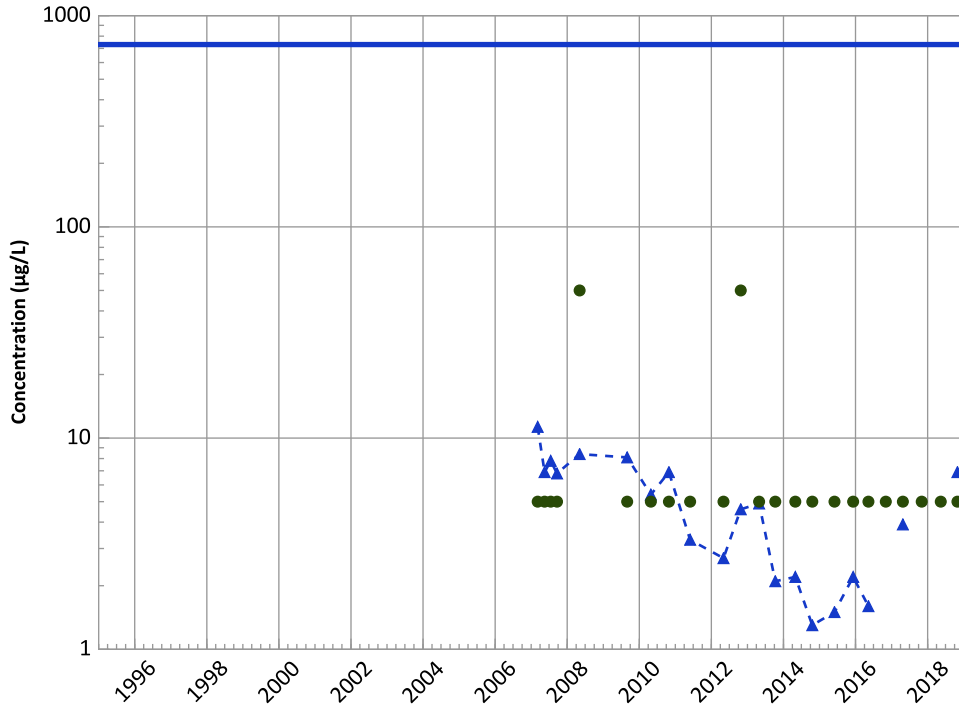


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

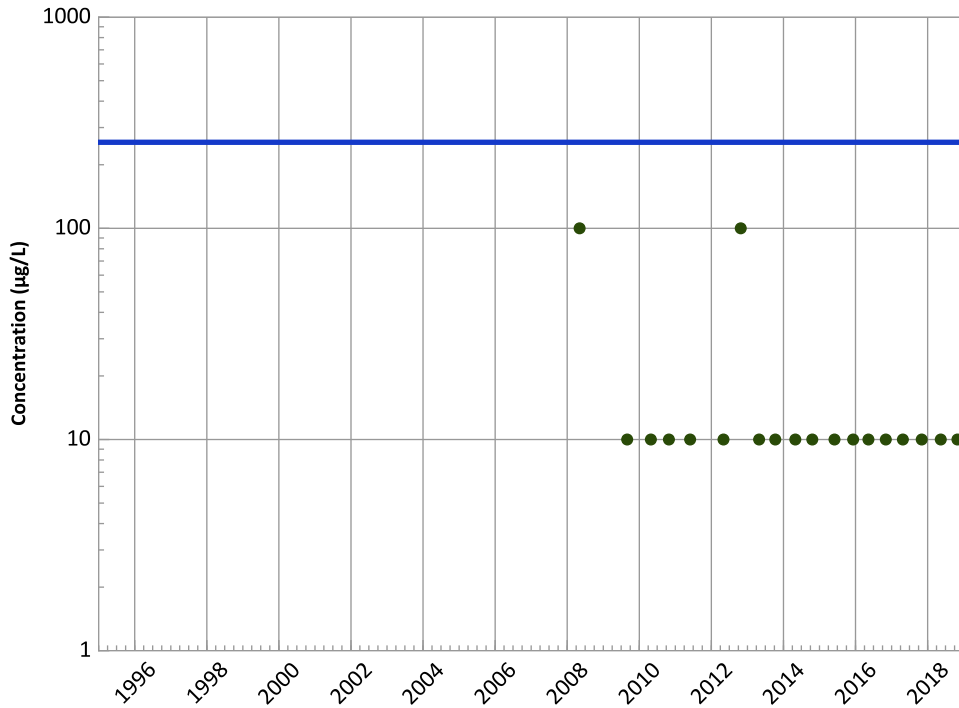
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

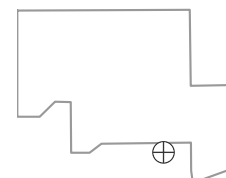
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

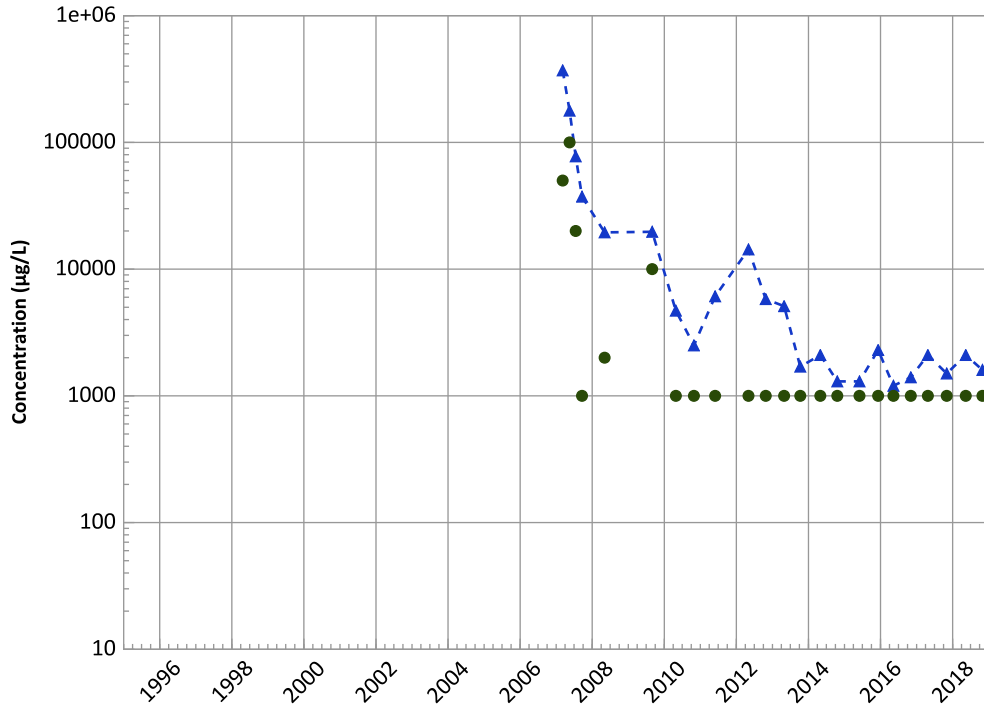


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/08/2007 to 10/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1098 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

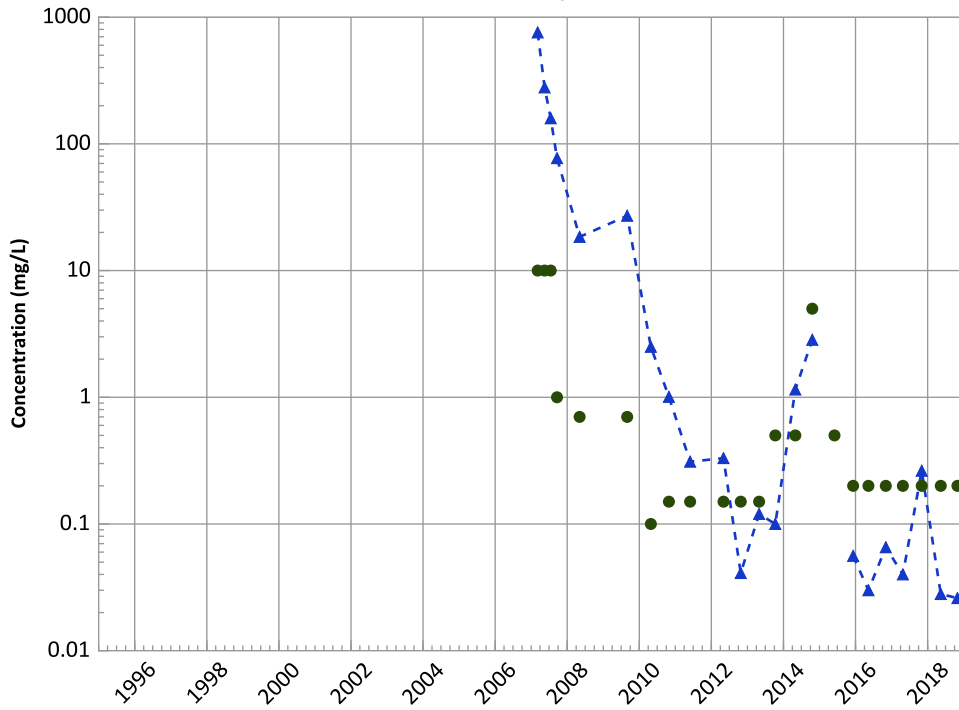
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

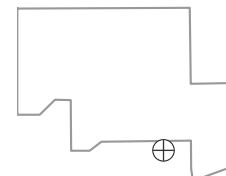
Query Date Range: 01/01/1992 to 12/31/2018

Data Date Range: 03/08/2007 to 10/30/2018

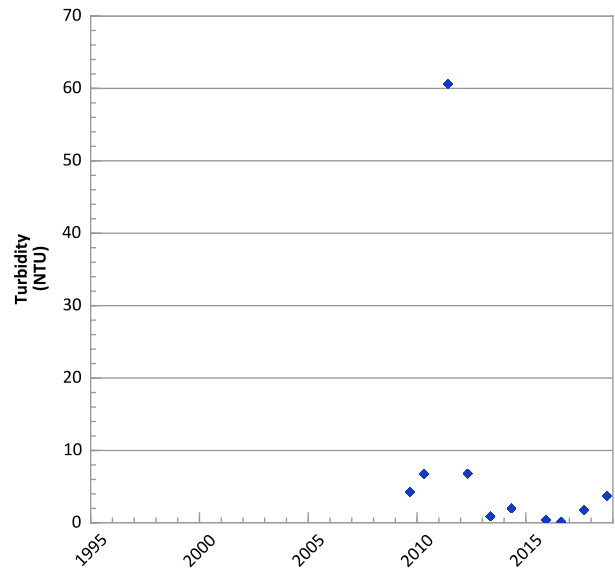
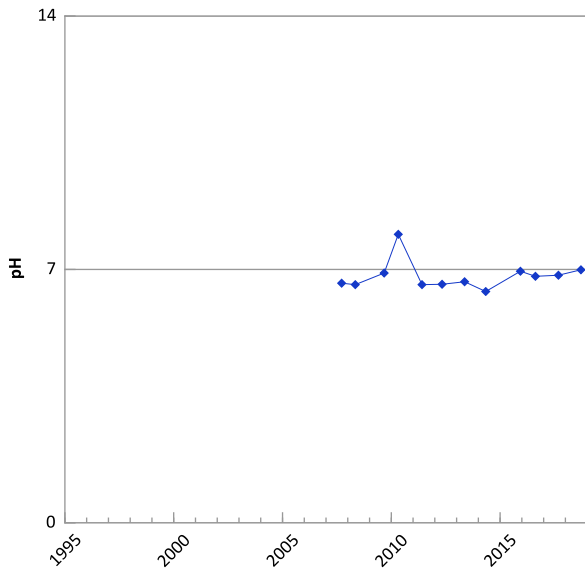
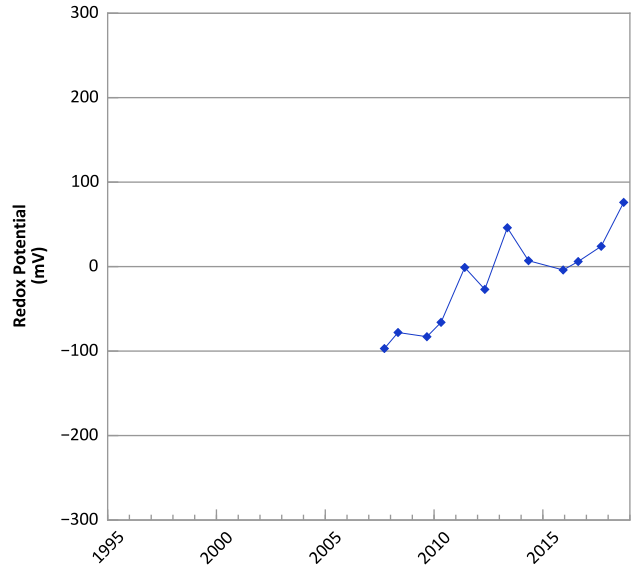
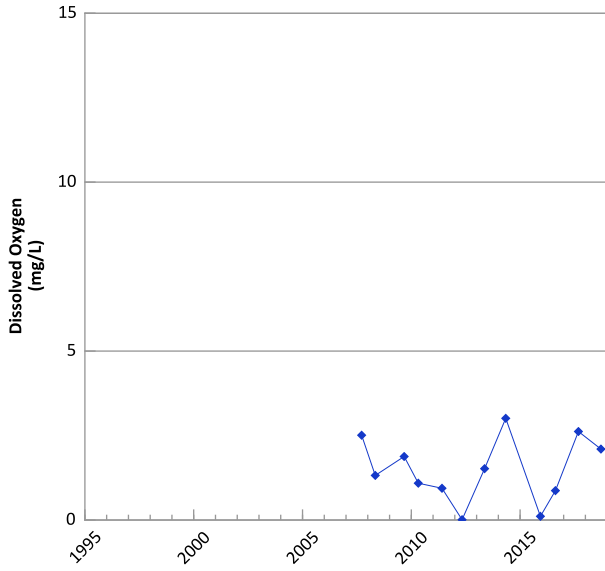
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

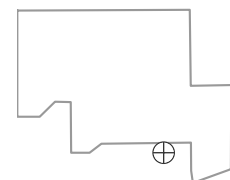


**PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



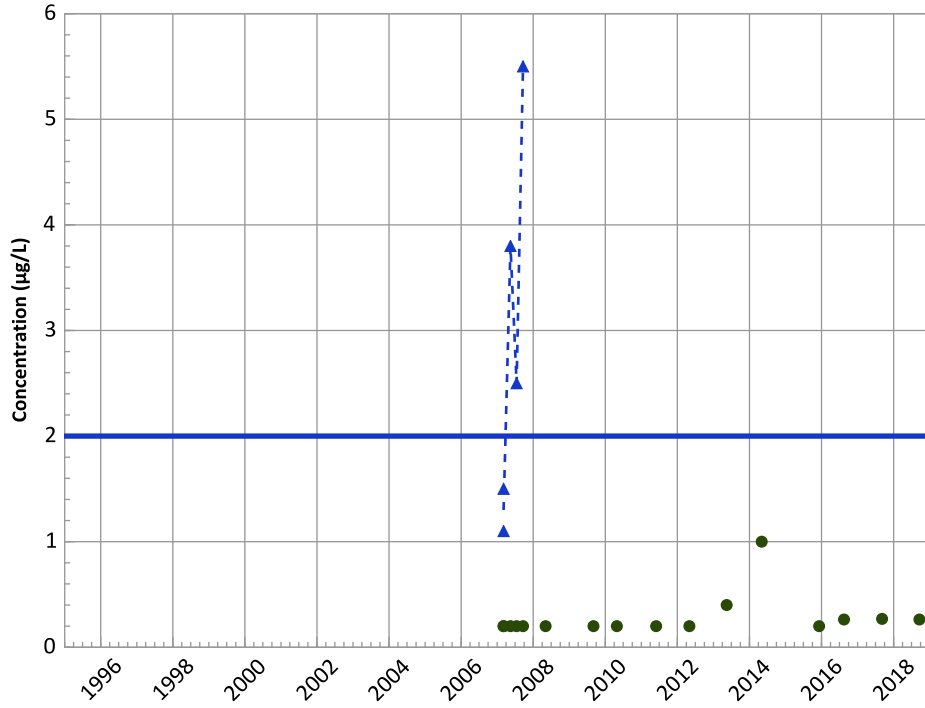
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 03/07/2007 to 09/19/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1100 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 (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

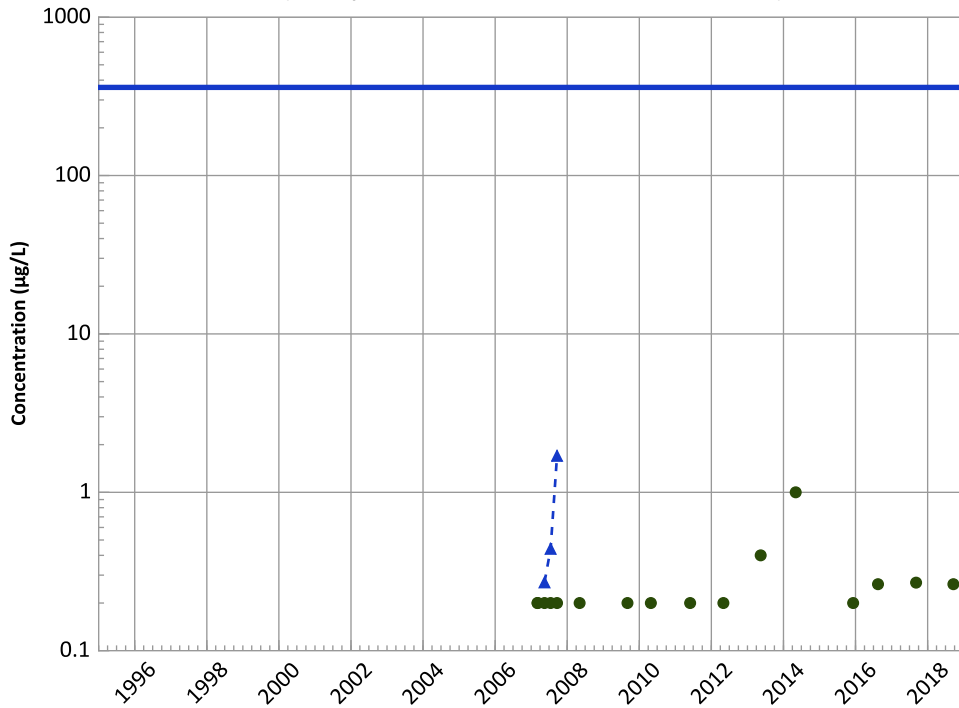
Data (2017 - 2021):

All Non-Detect

All Data:

Probably Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

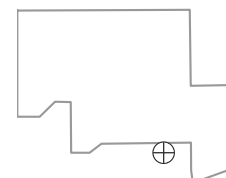
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

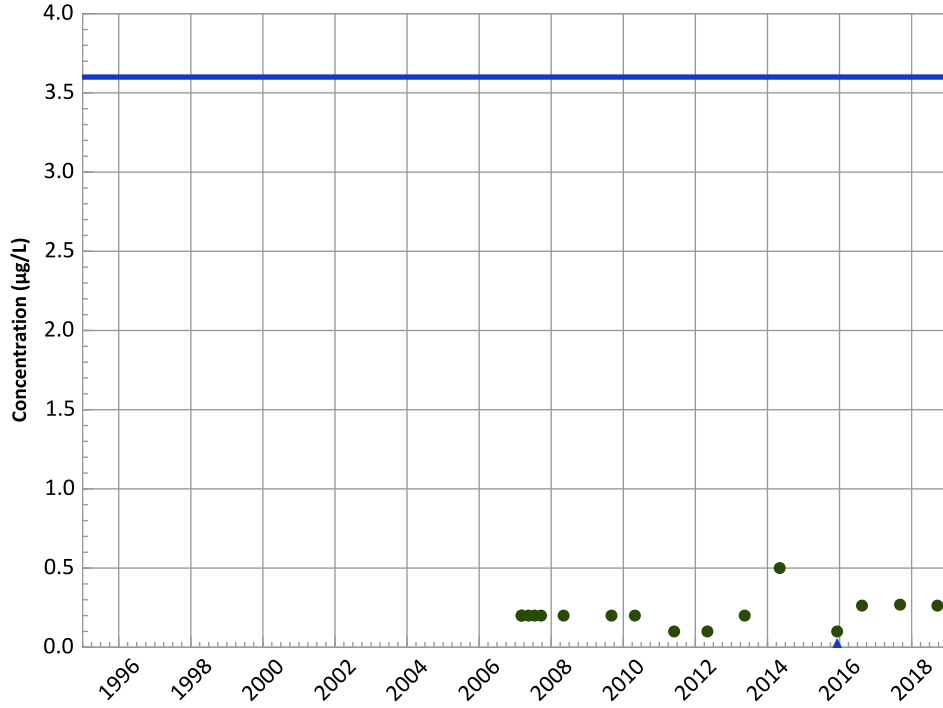


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

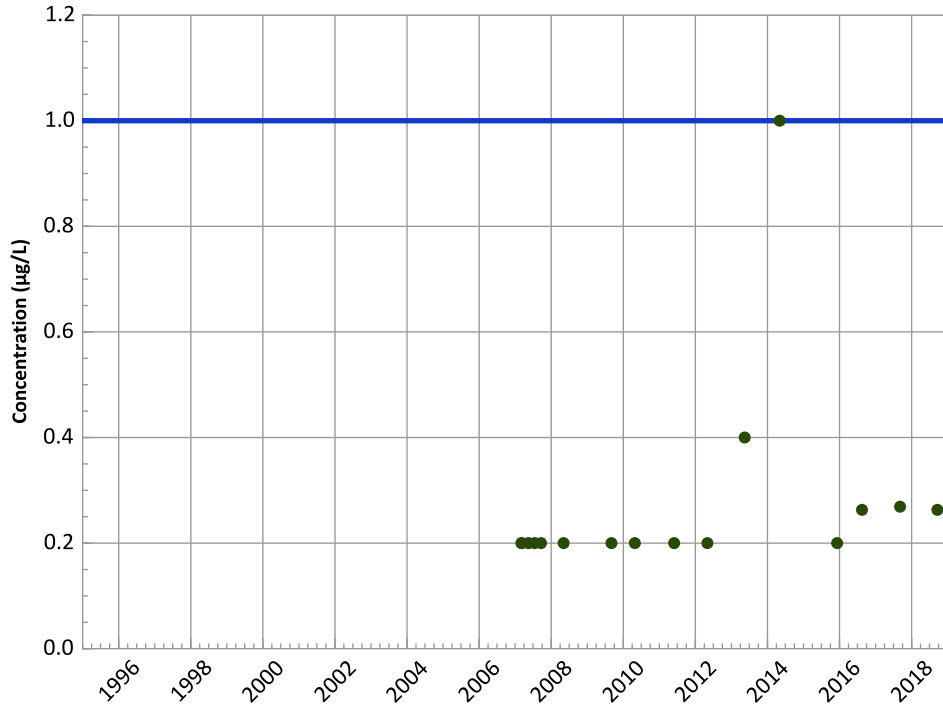


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend

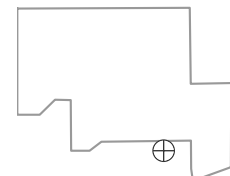


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

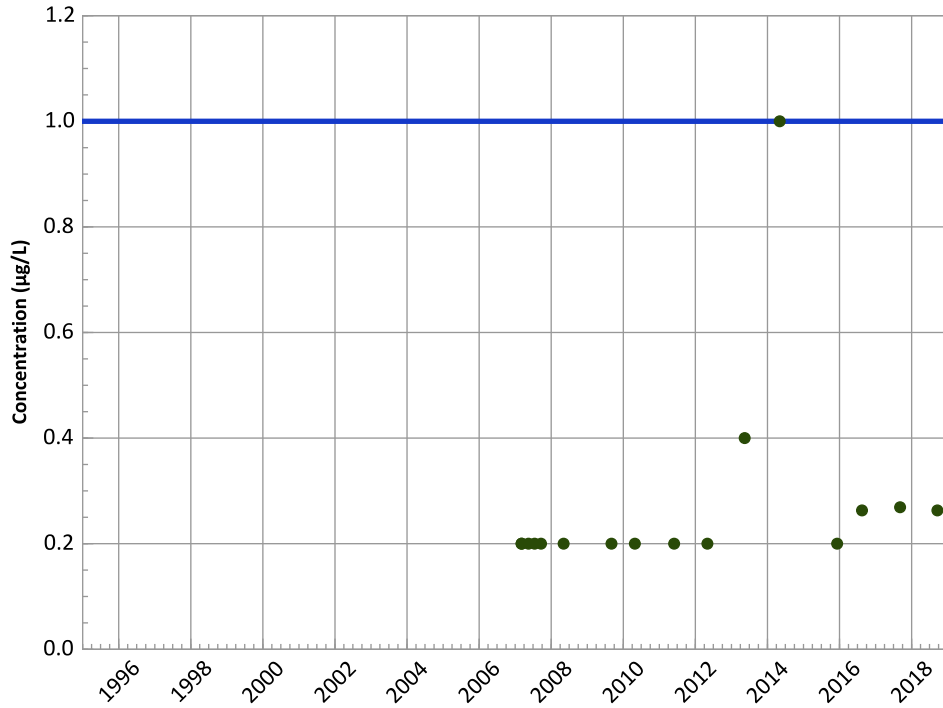


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

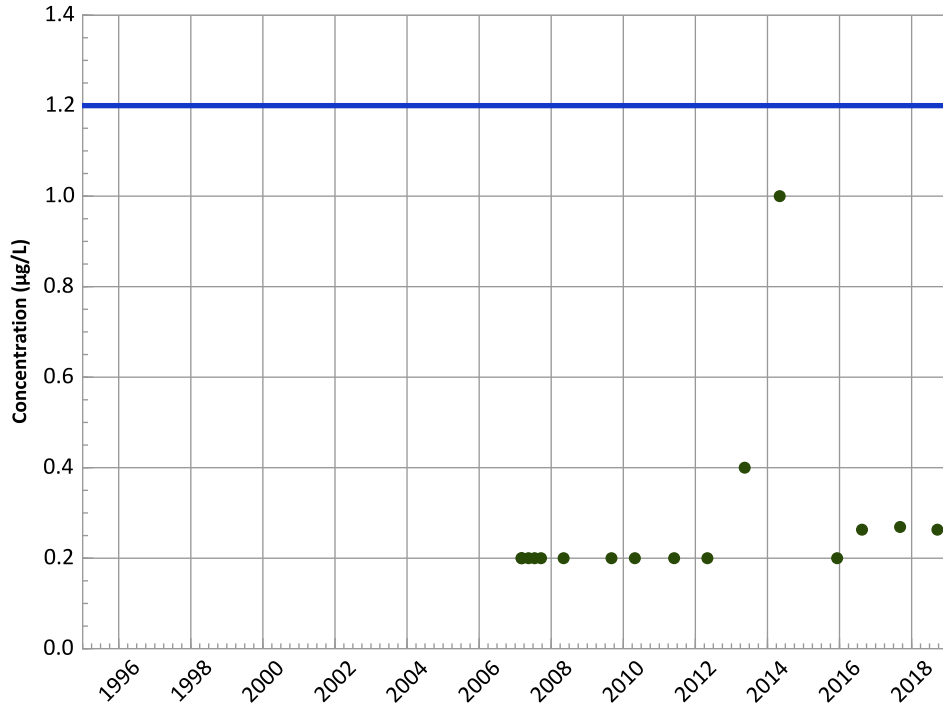
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

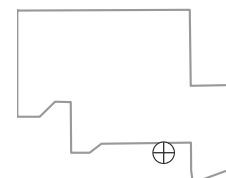
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

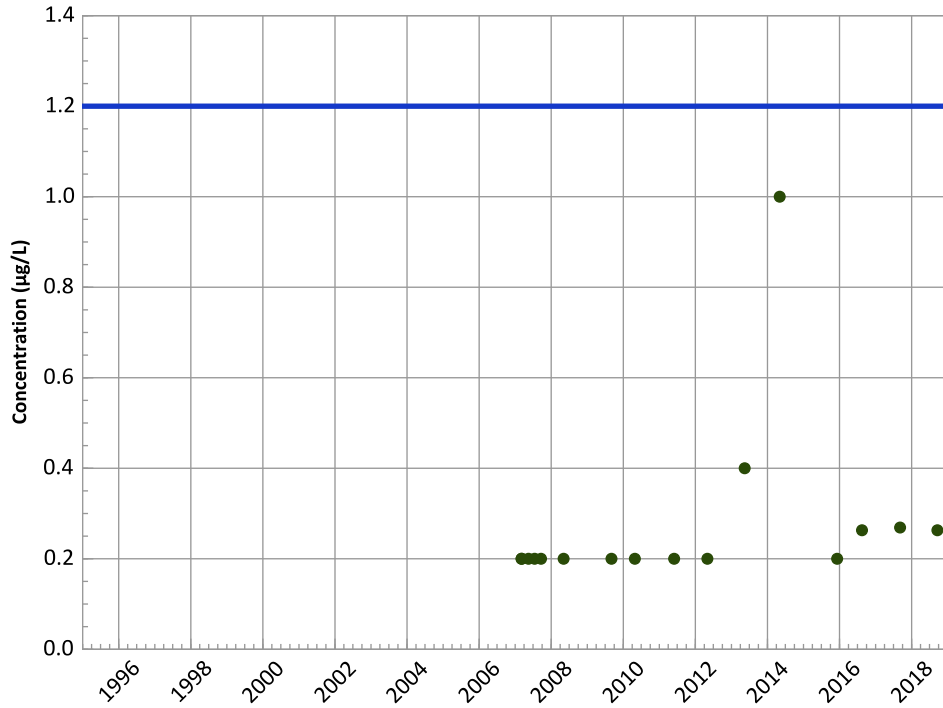


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

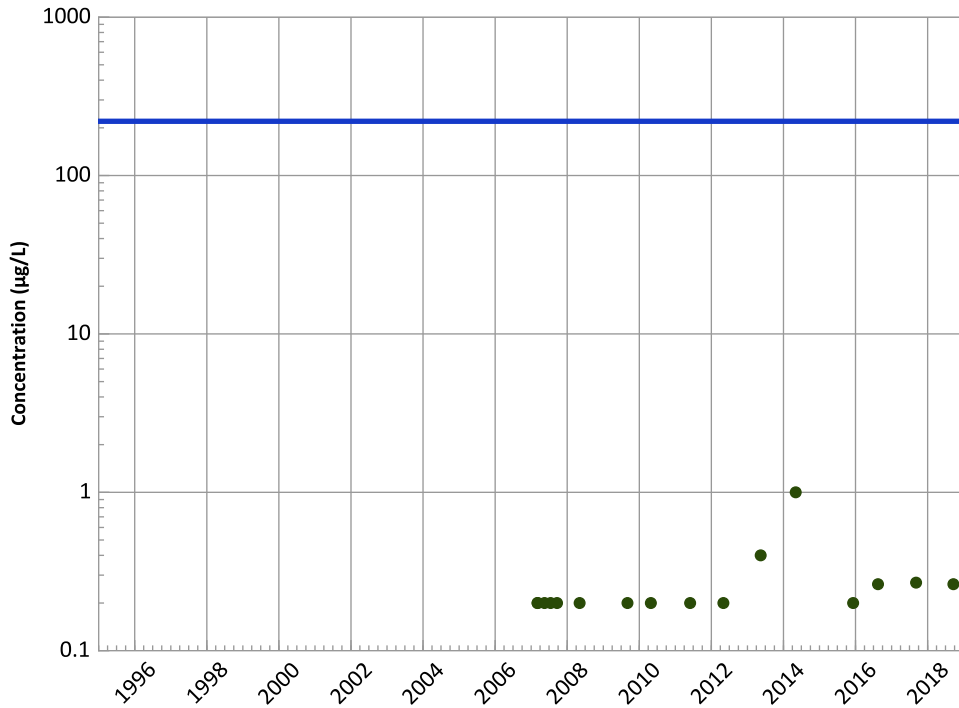
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

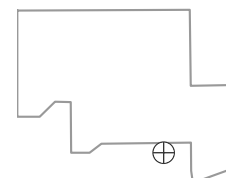
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

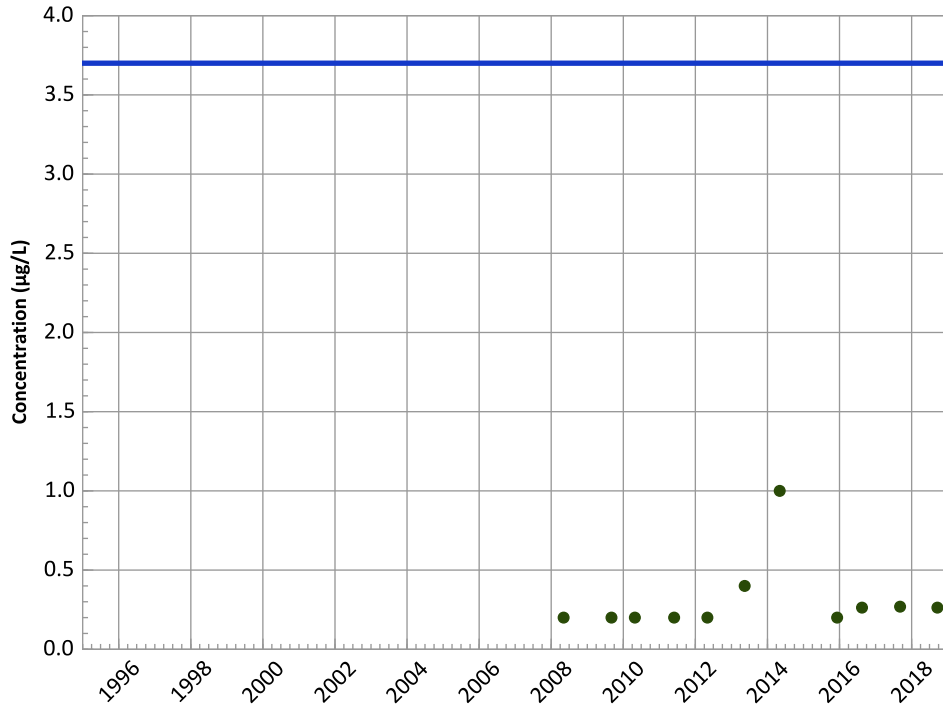
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

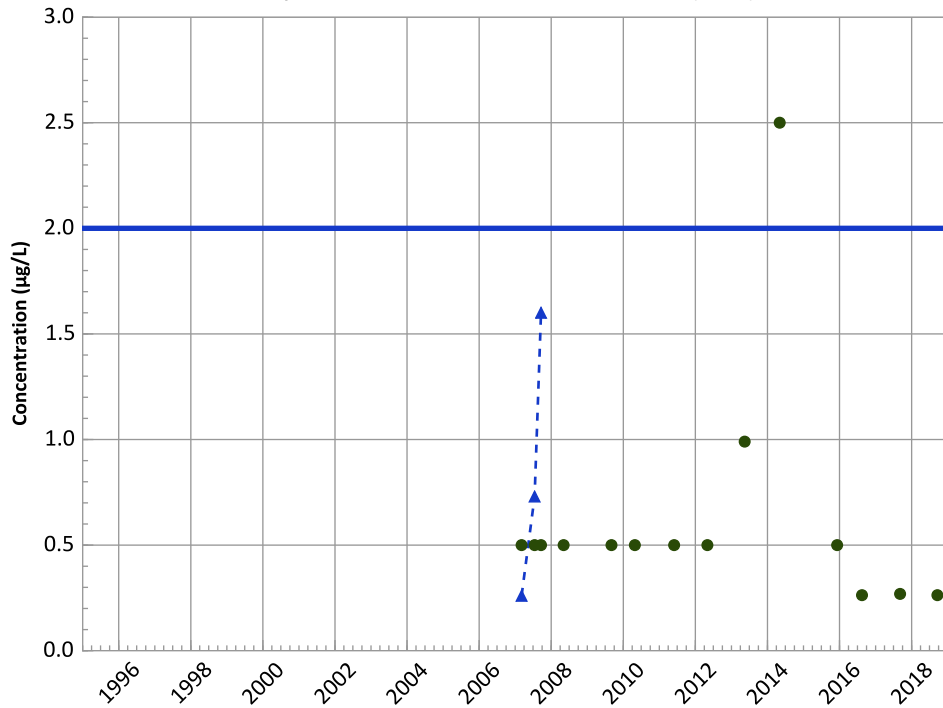
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

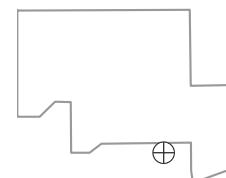
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

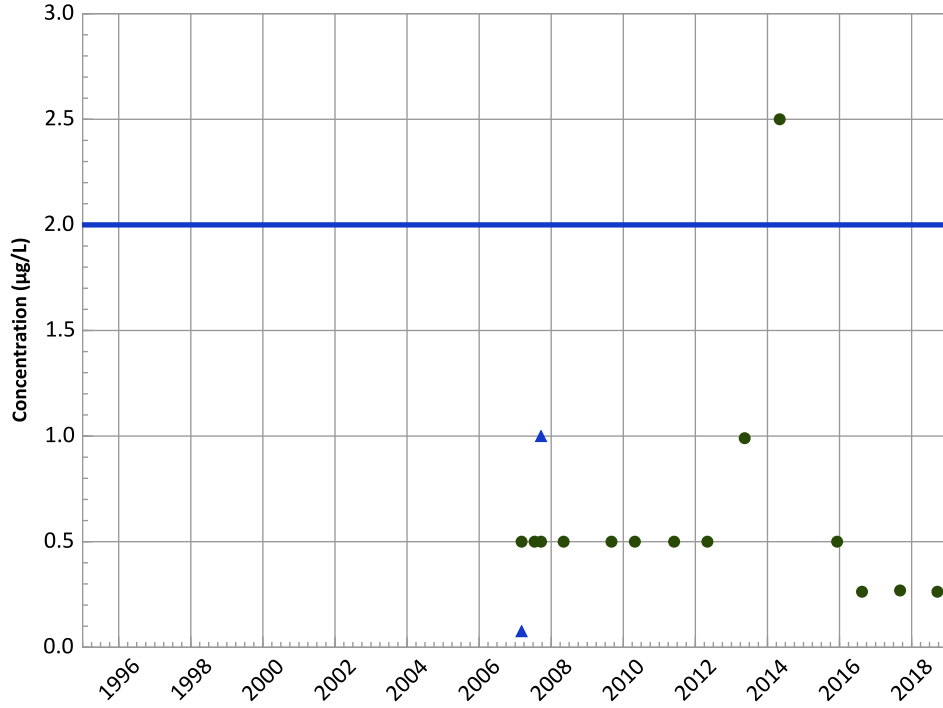


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

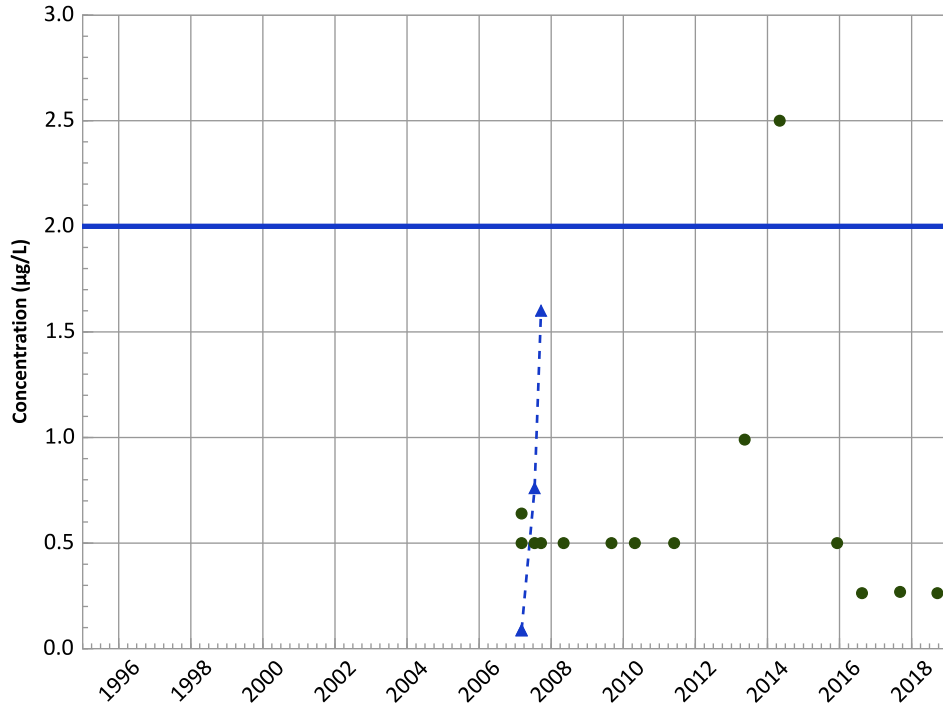


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

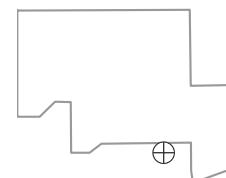


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

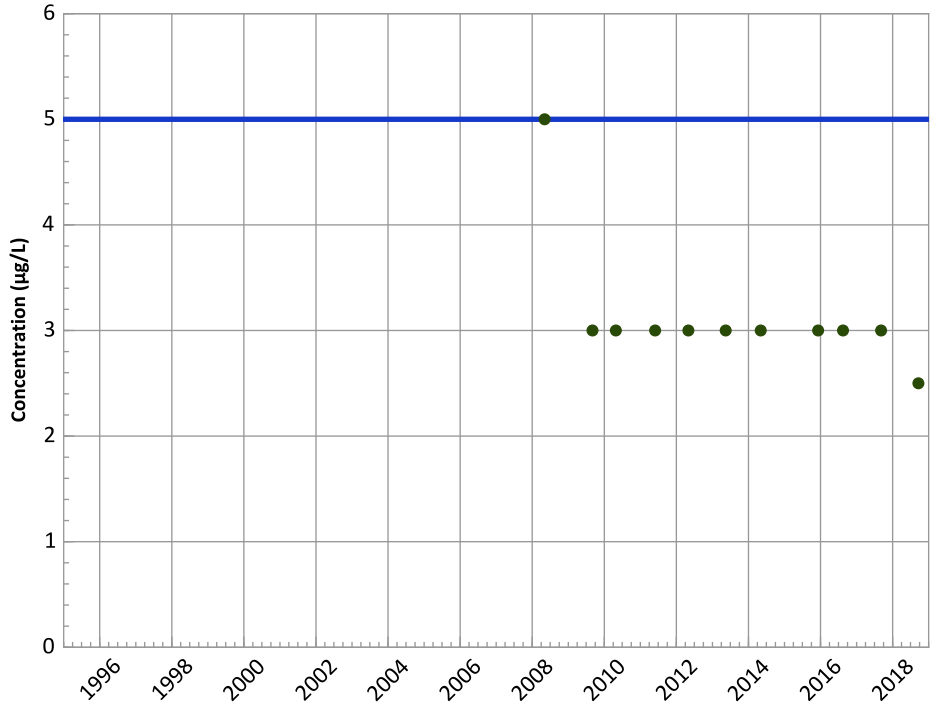
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

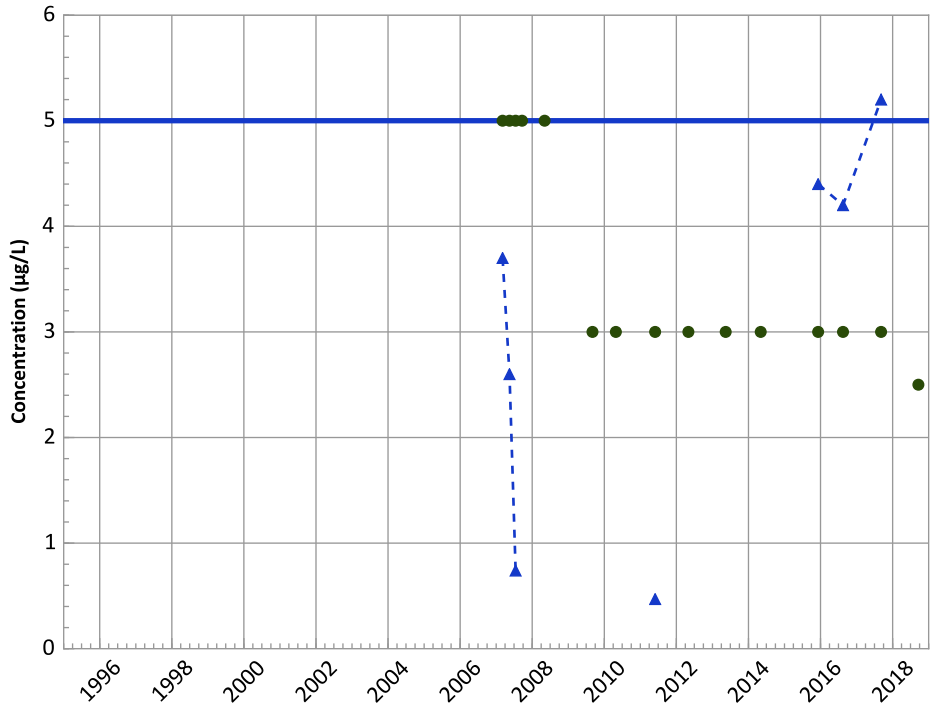
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Stable

MAROS Linear Regression Method

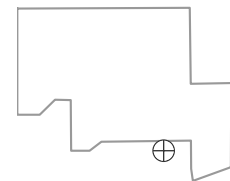
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

No Trend

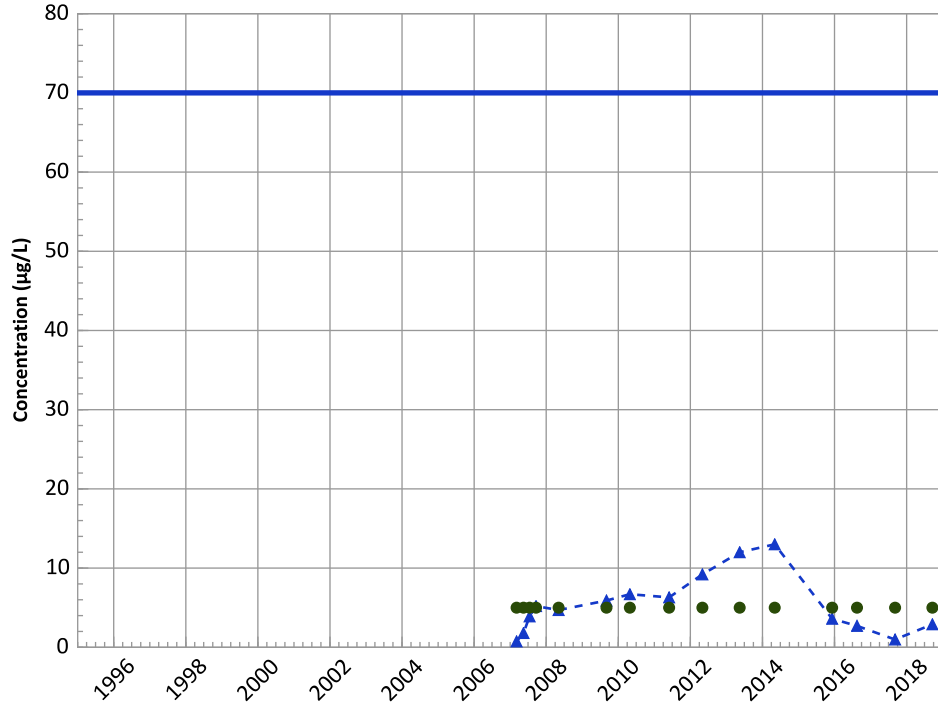
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant
cis-1,2-Dichloroethene Trend**

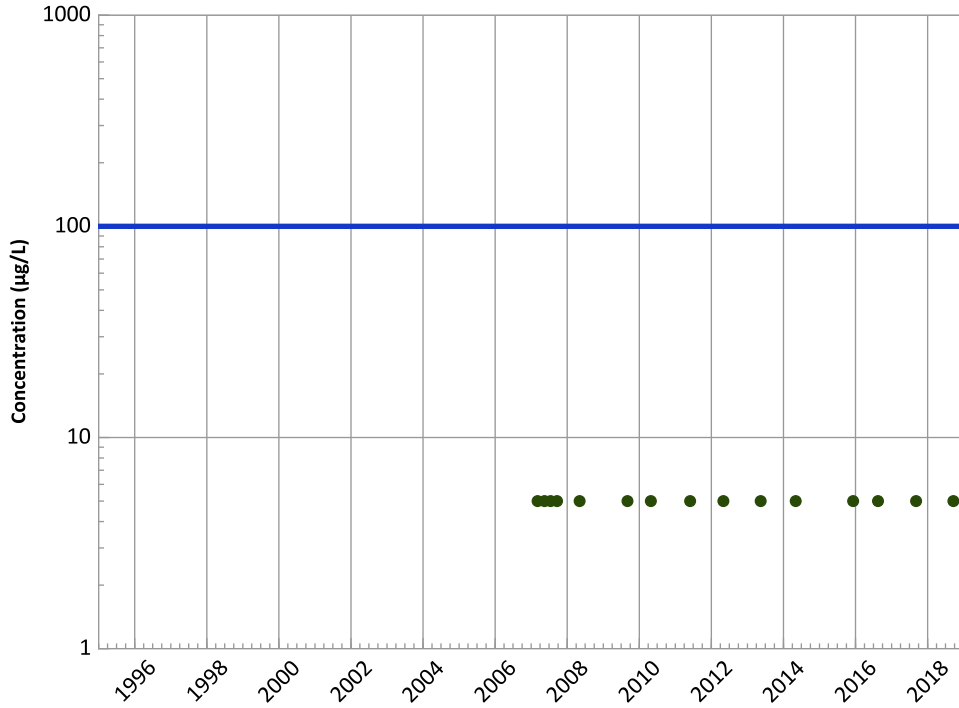


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

trans-1,2-Dichloroethene Trend

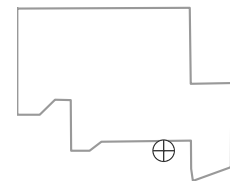


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

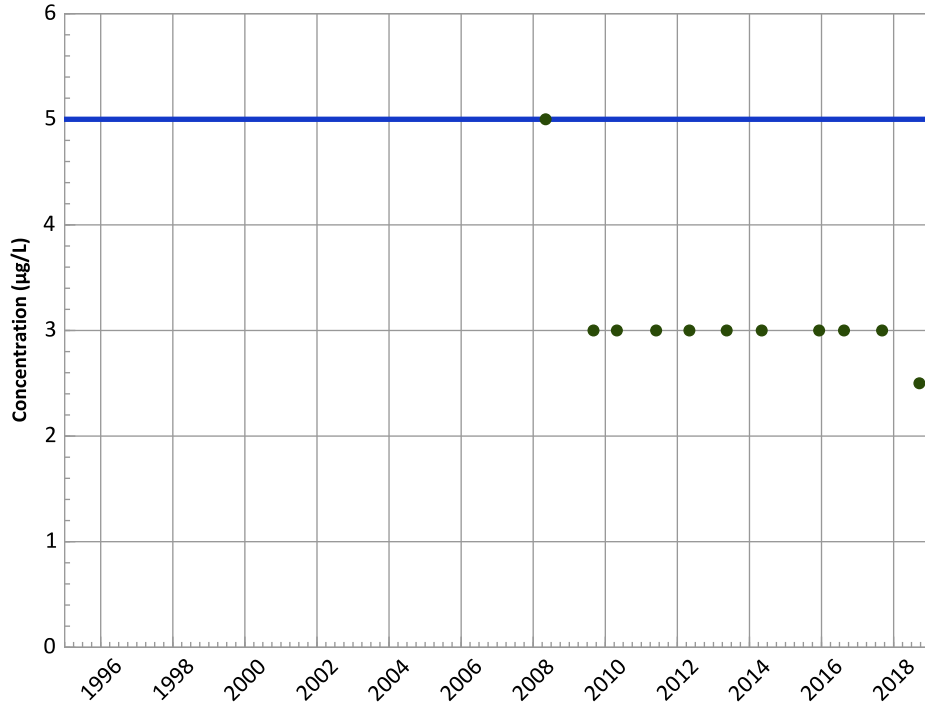
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

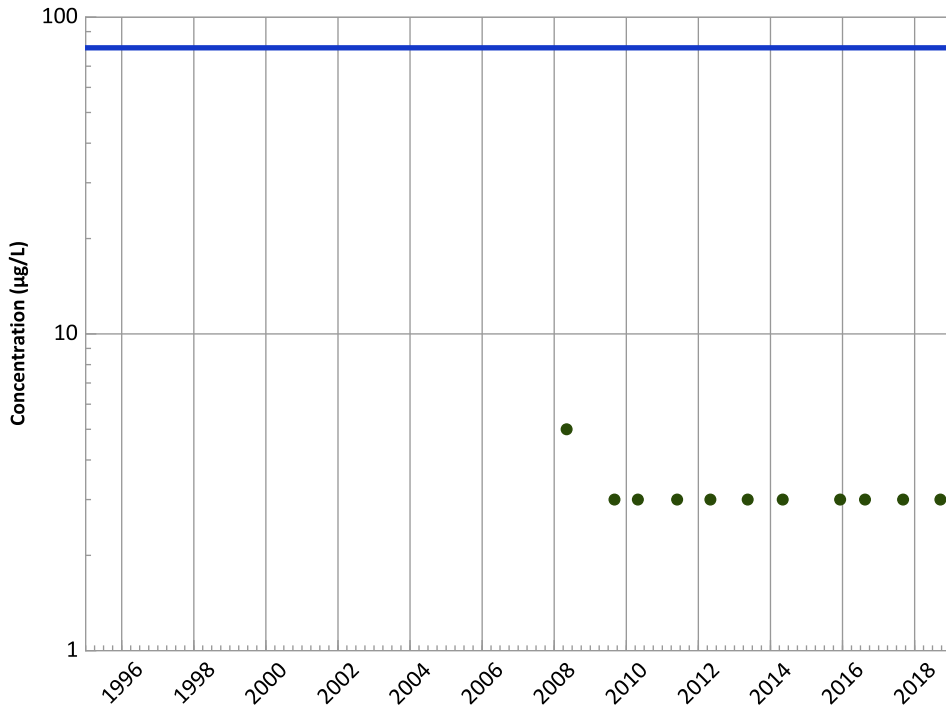
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

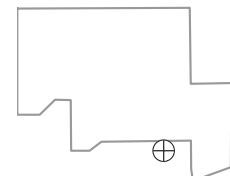
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

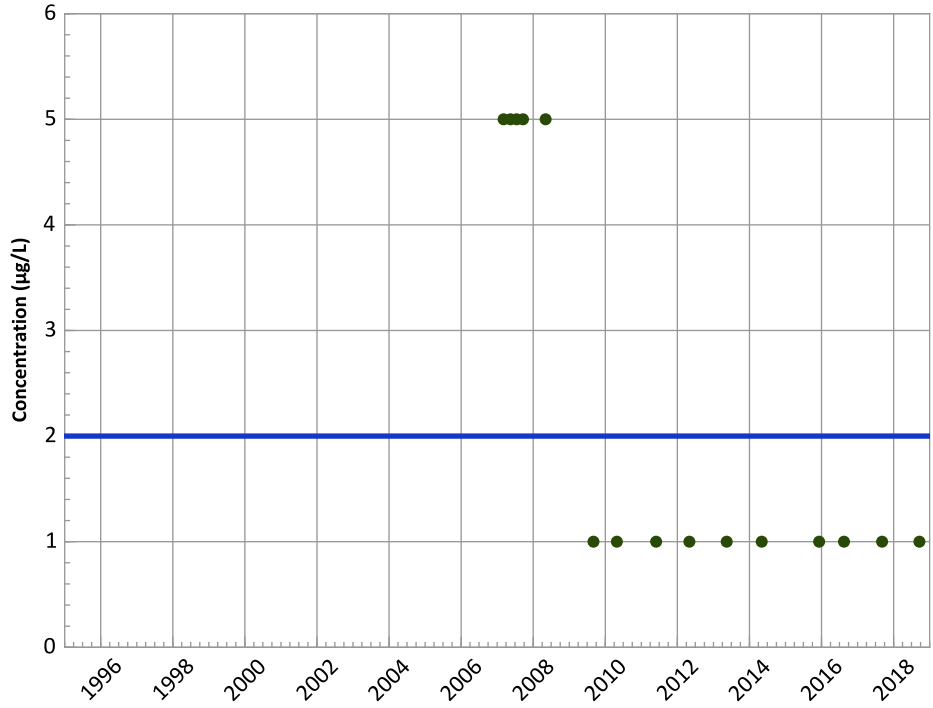
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

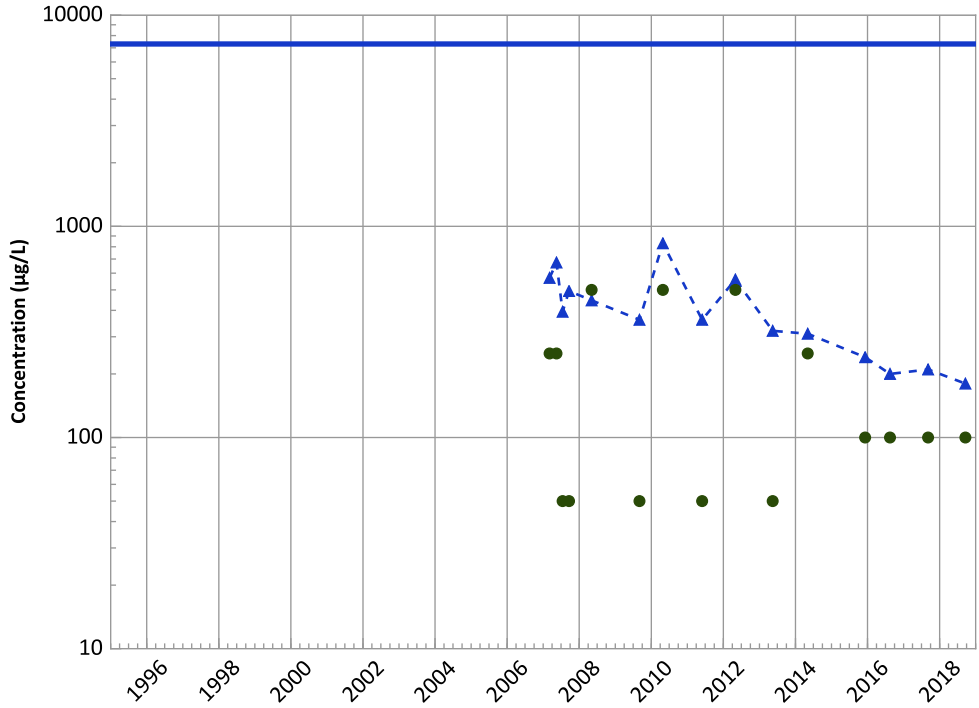
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

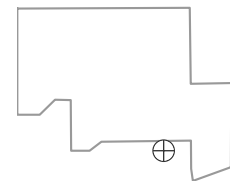
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

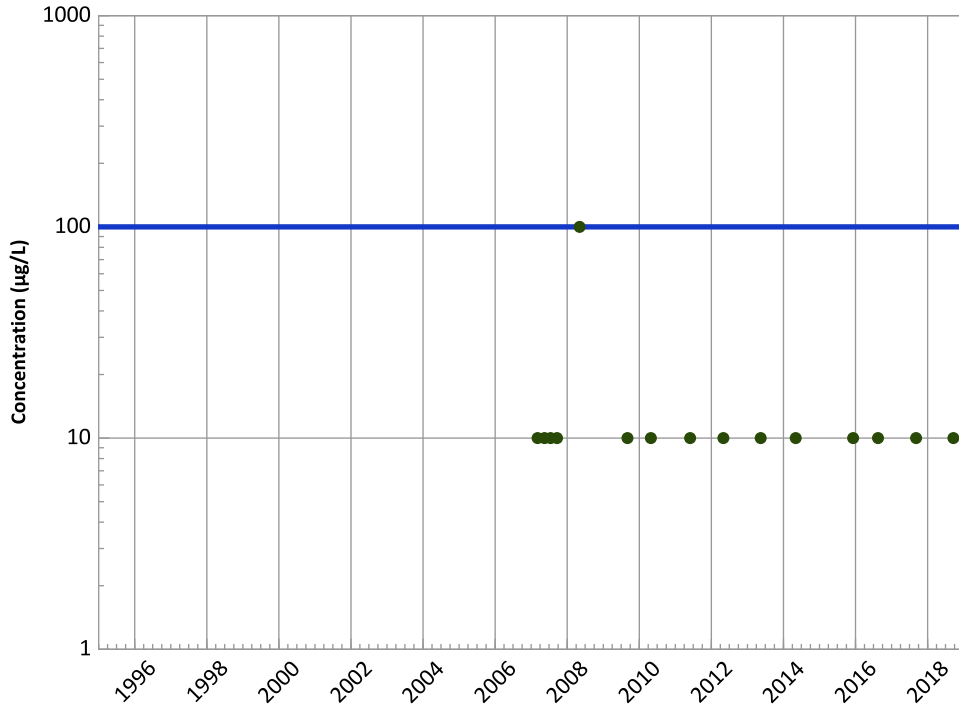


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

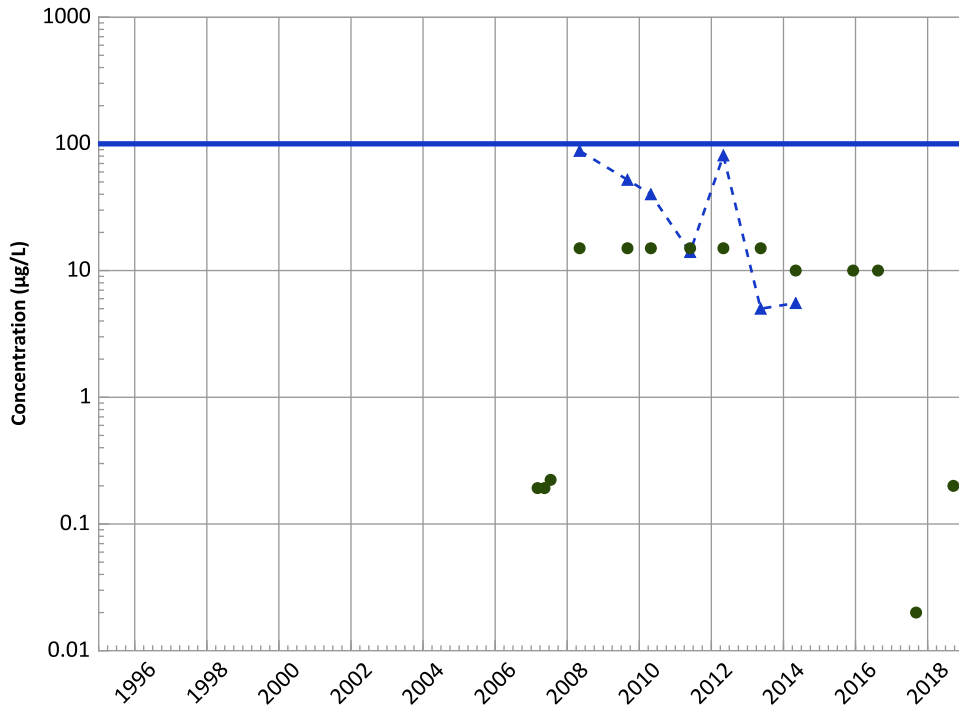


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Chromium, Hexavalent Trend

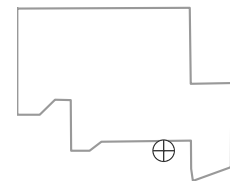


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

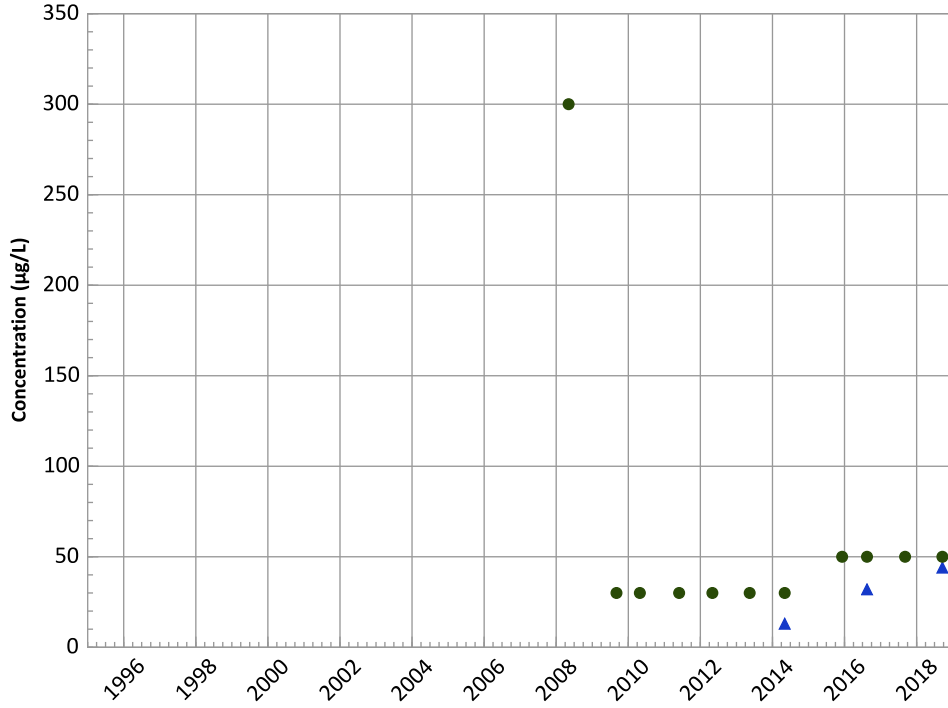


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Aluminum Trend

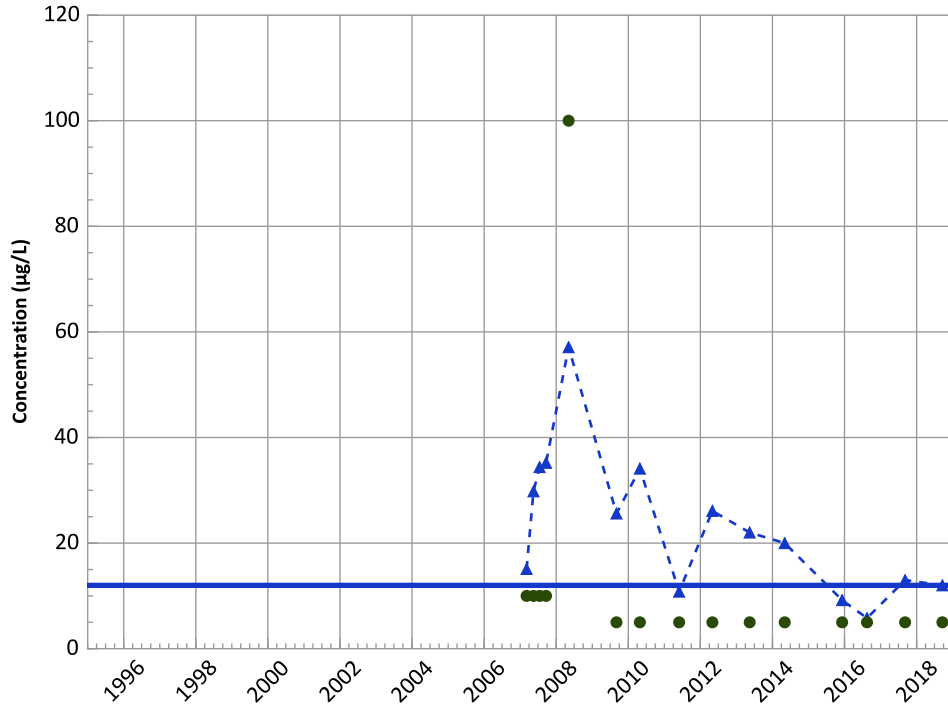


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Arsenic Trend

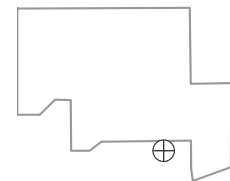


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

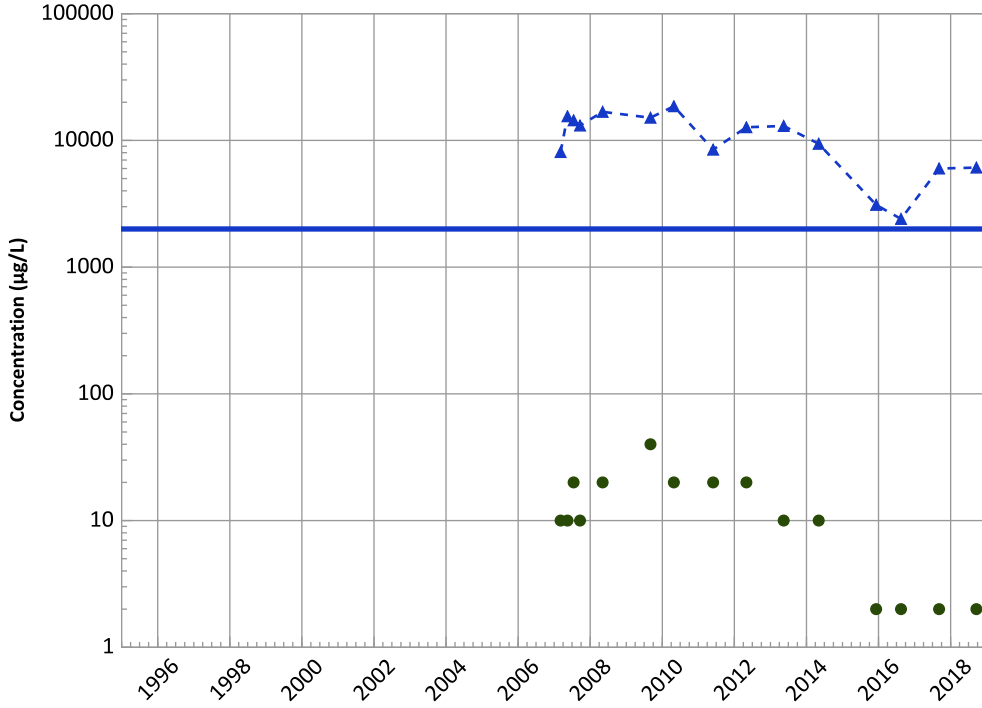


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

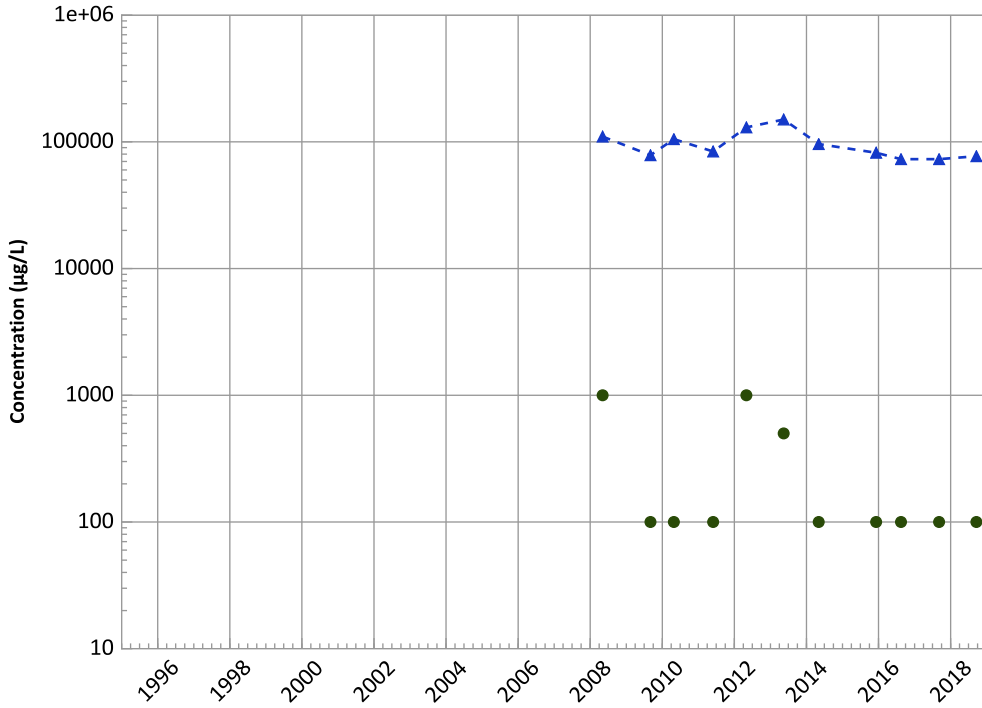
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

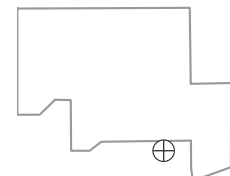
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

Well Location

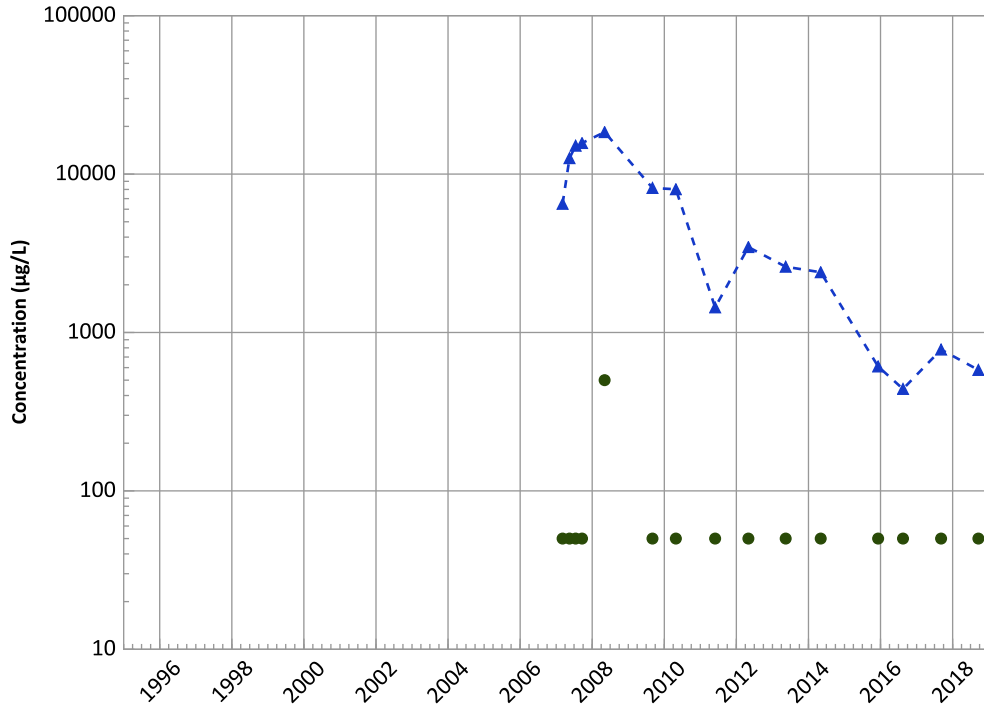


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

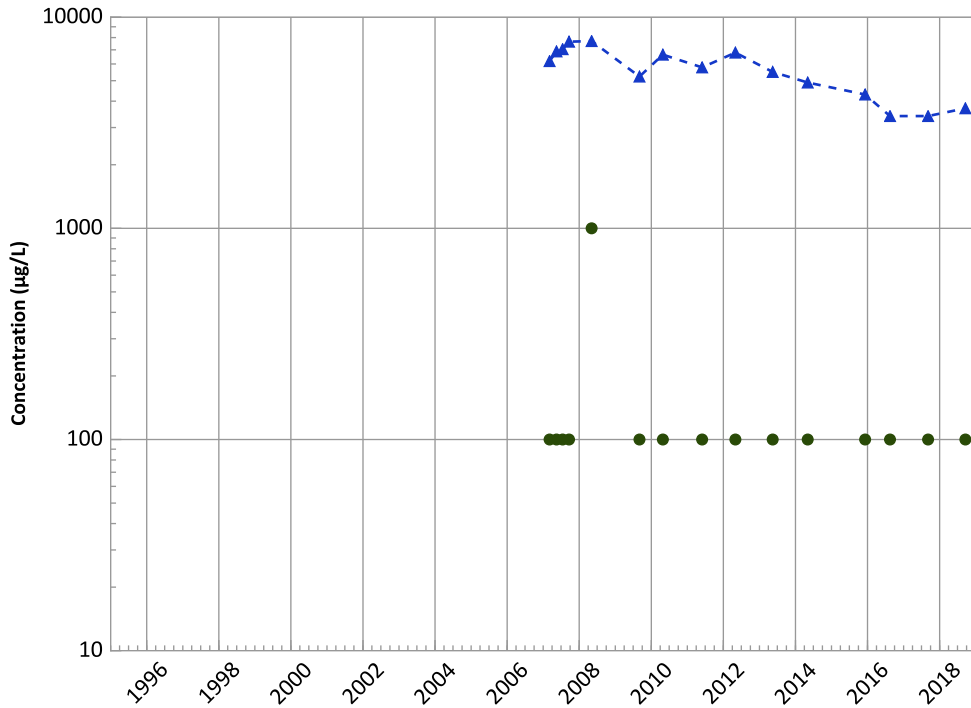
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

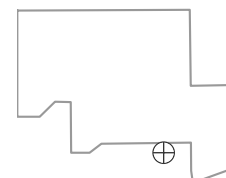
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

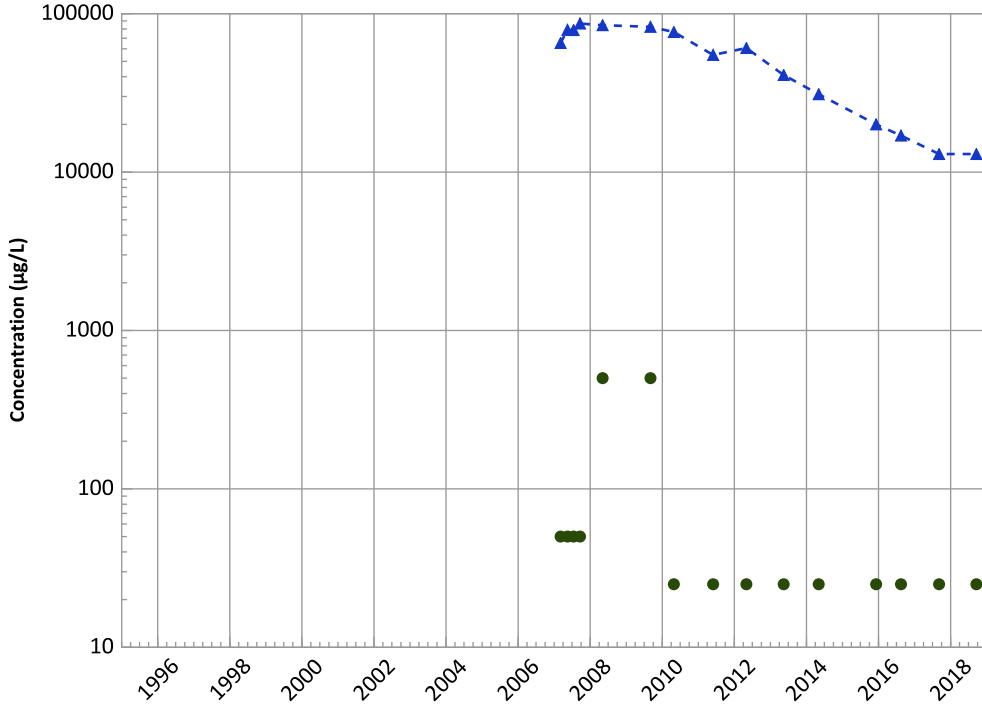


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

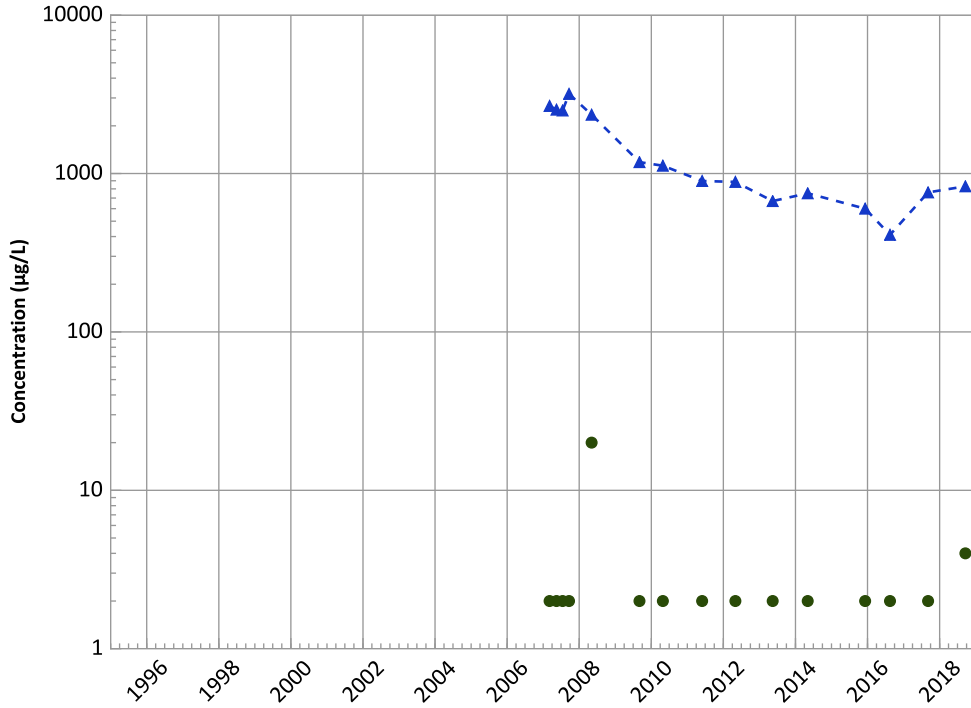
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

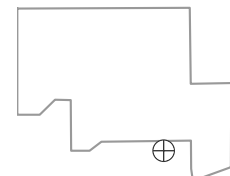
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

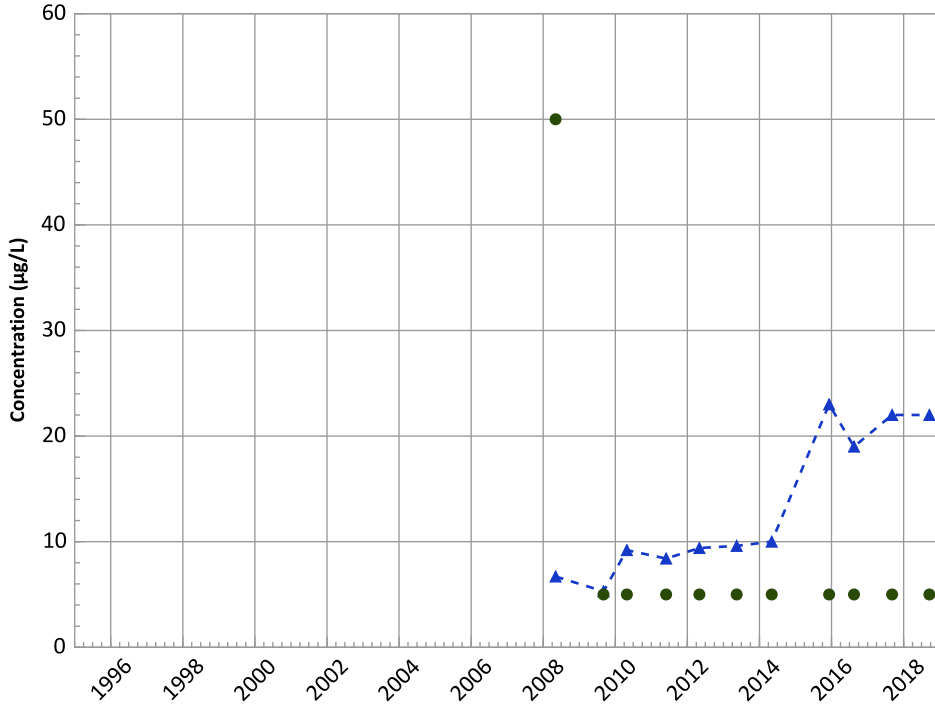


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend

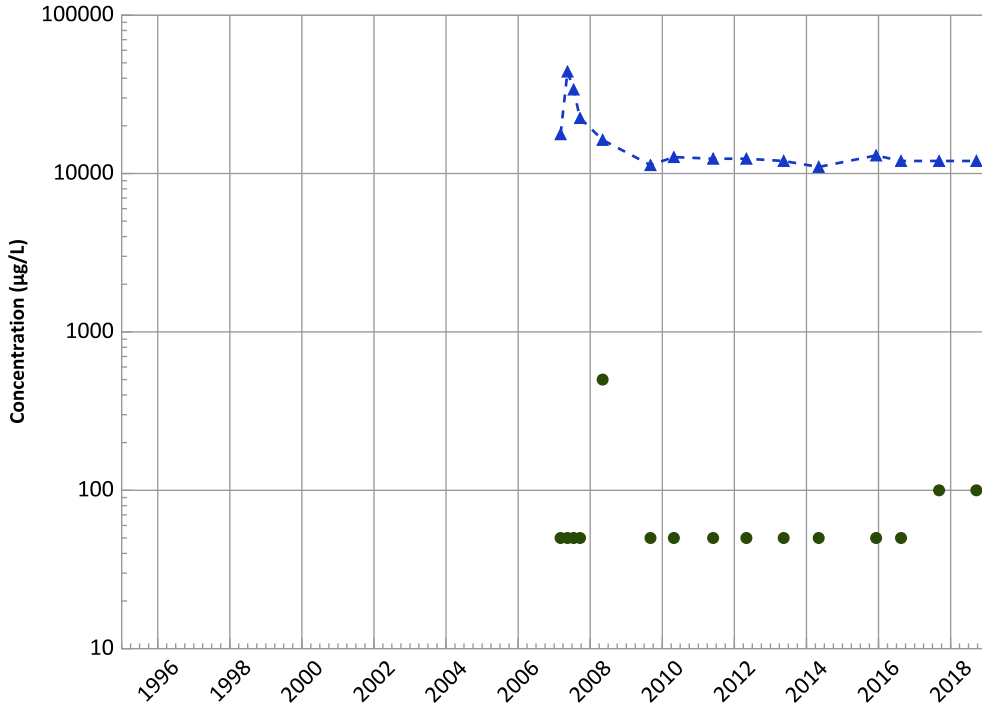


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Sodium Trend

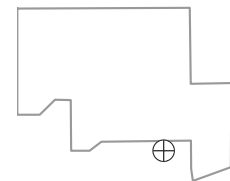


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Well Location

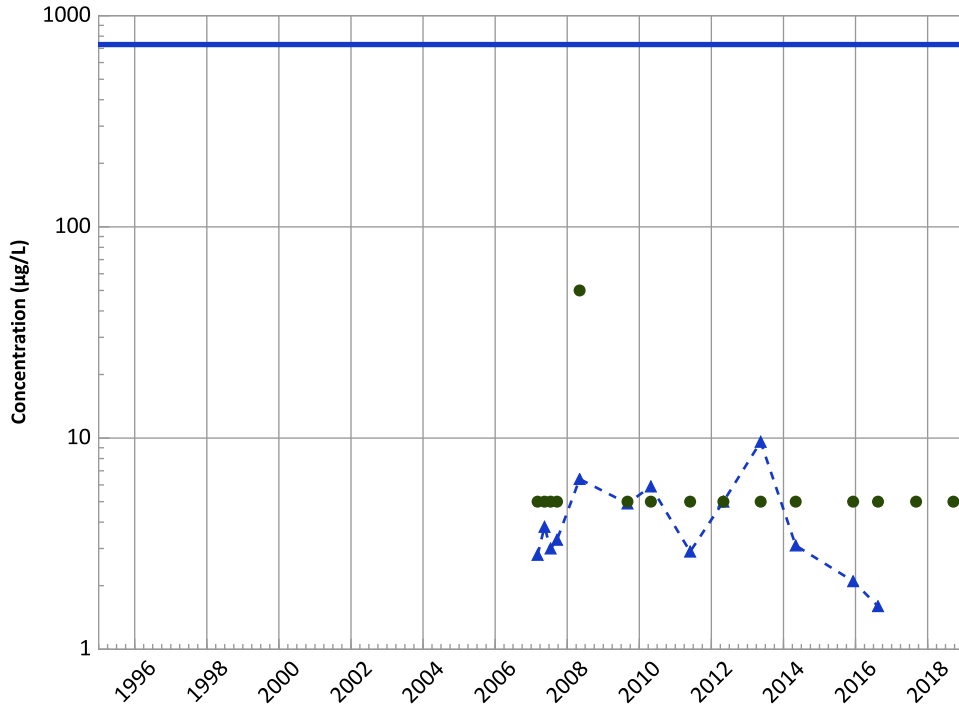


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend

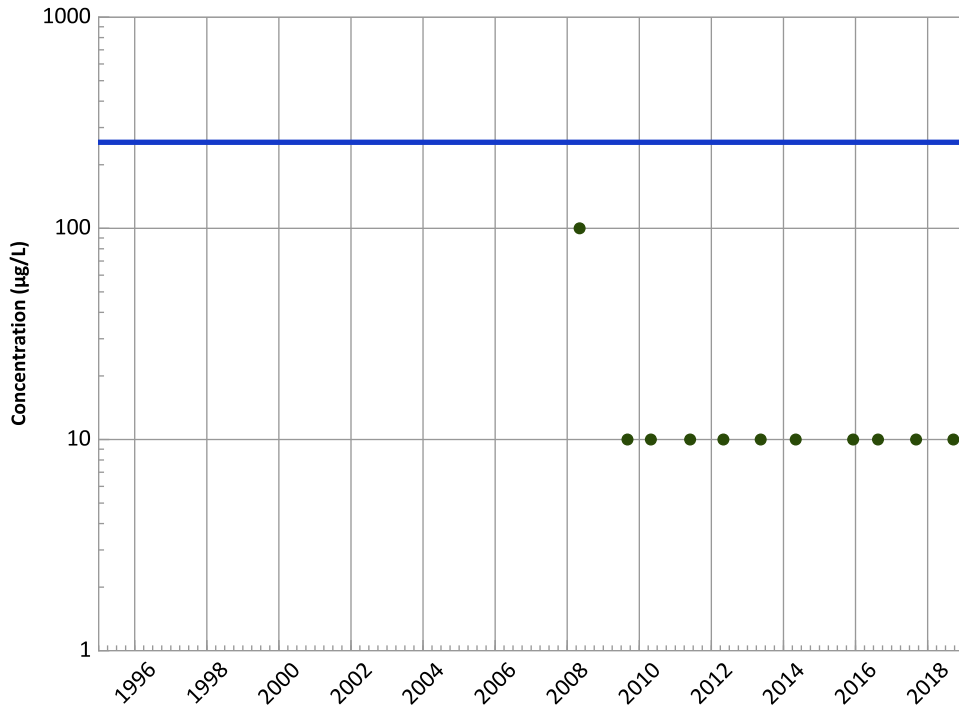


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Stable

Vanadium Trend

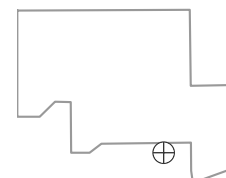


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

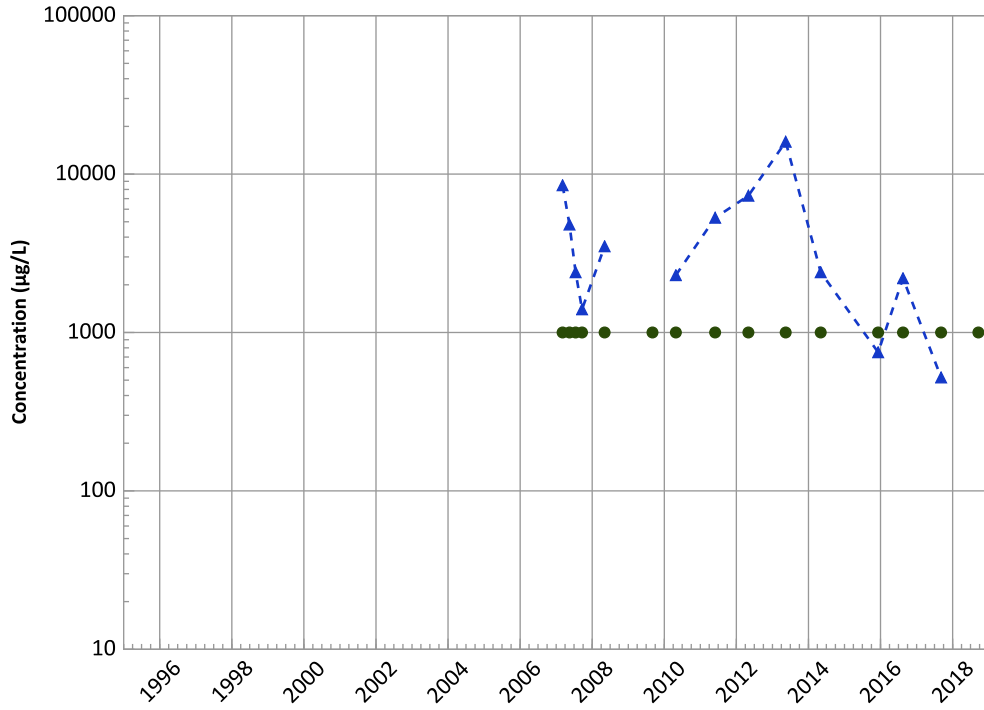


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1100 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

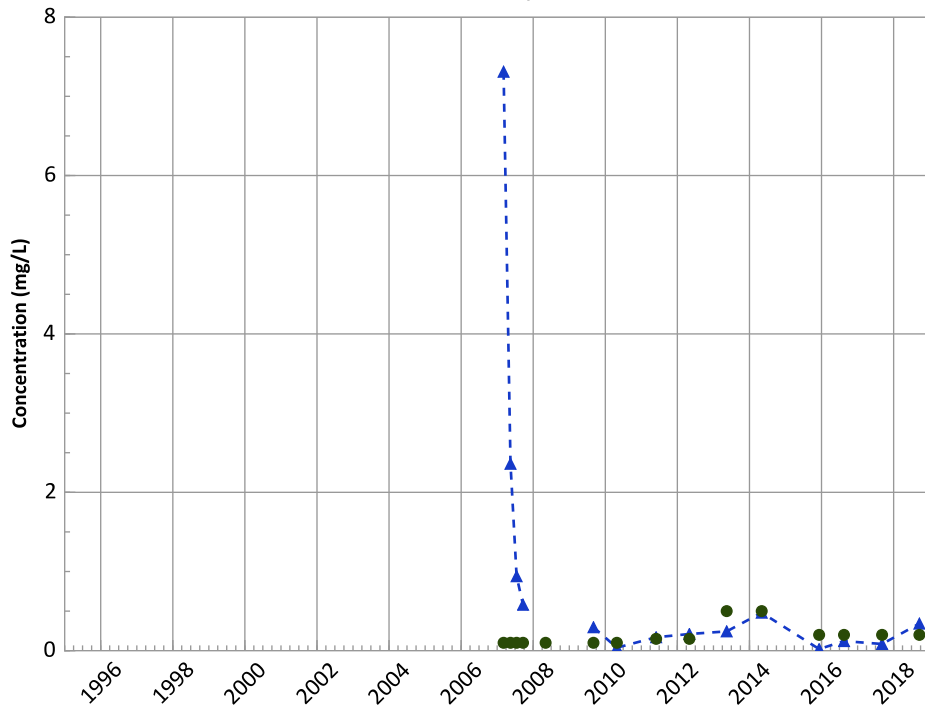
Data (2017 - 2021):

Probably Decreasing

All Data:

Probably Decreasing

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

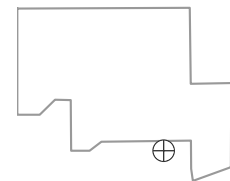
Data (2017 - 2021):

Stable

All Data:

Decreasing

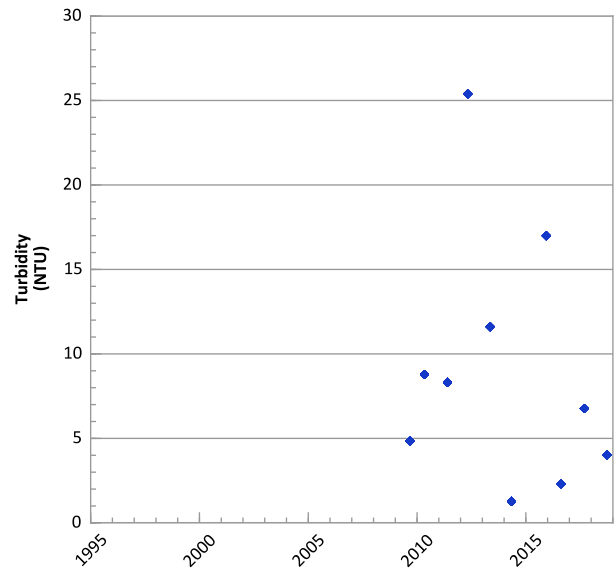
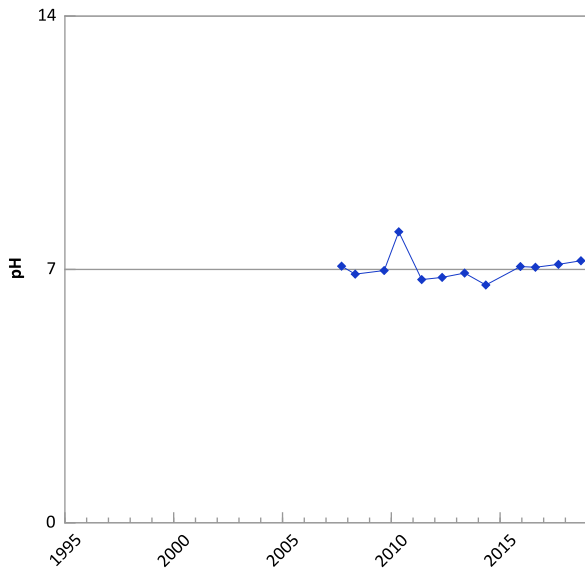
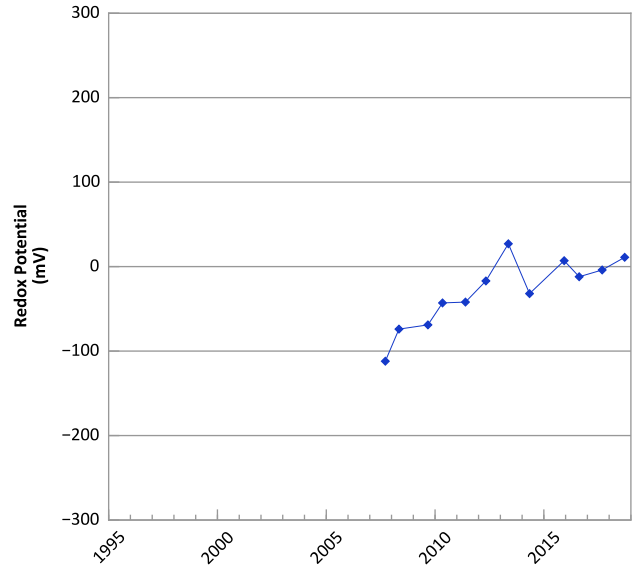
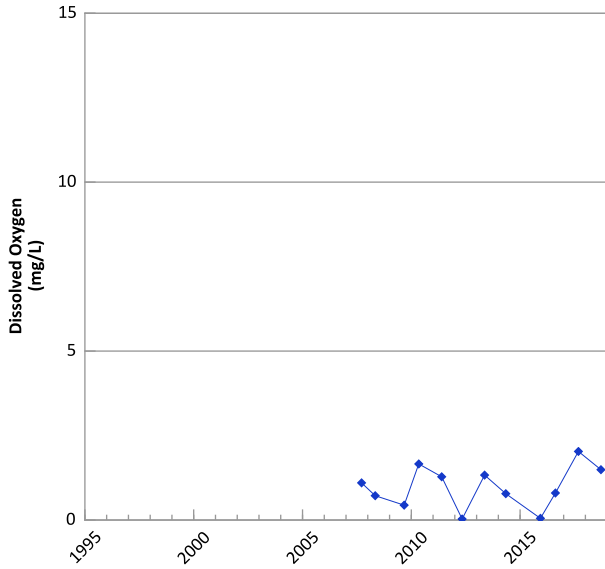
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/07/2007 to 09/19/2018
Analysis Date: 02/14/2019

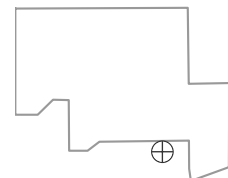
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



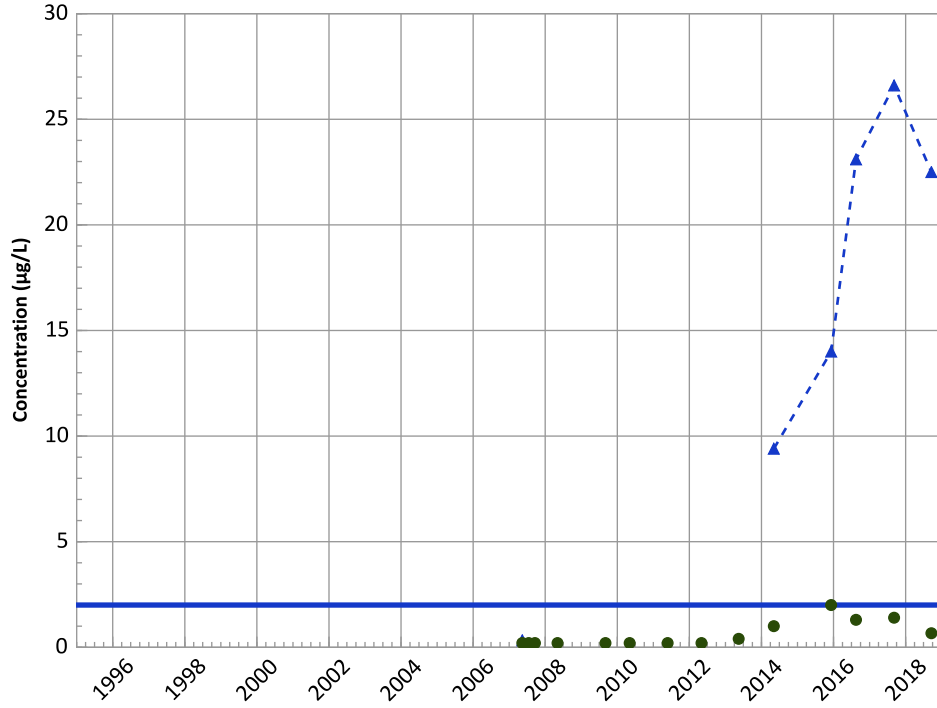
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 03/06/2007 to 09/19/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

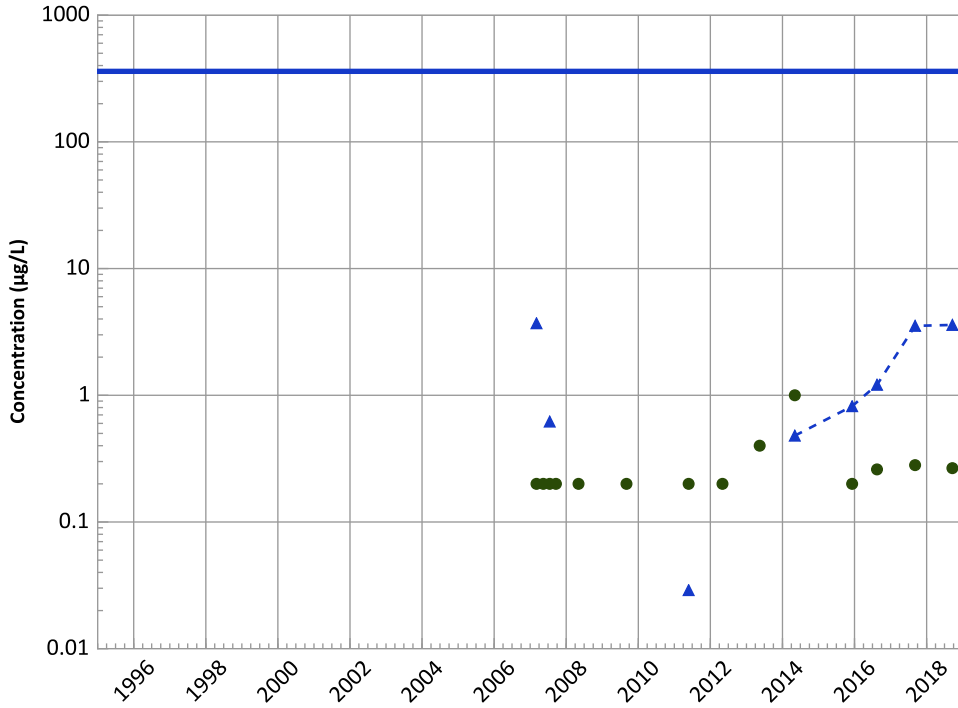


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

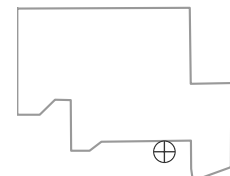
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

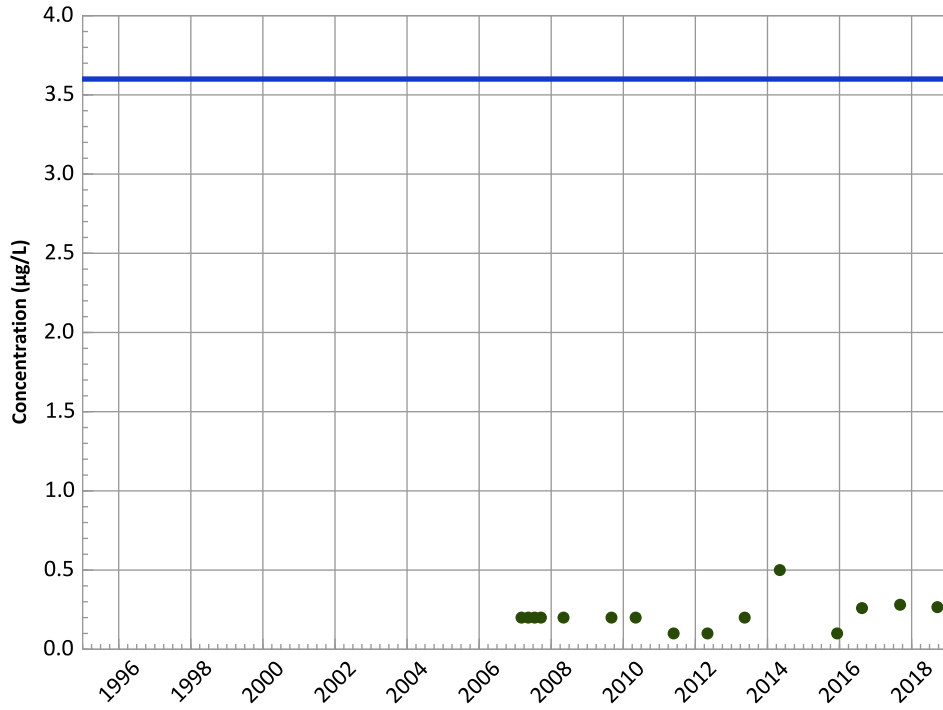
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

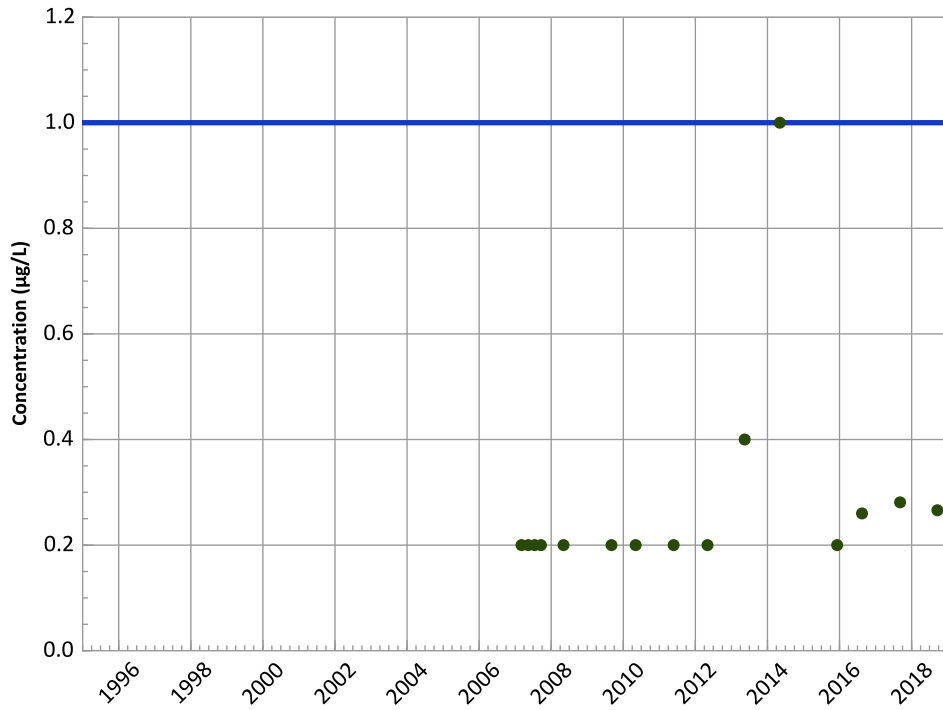
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

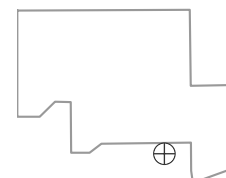
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

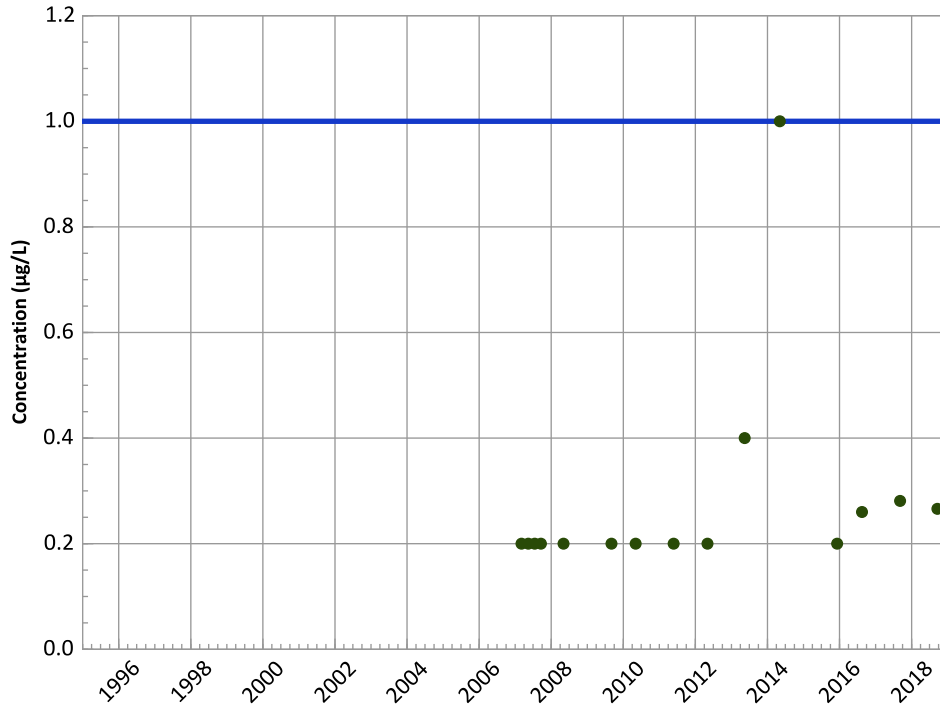
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

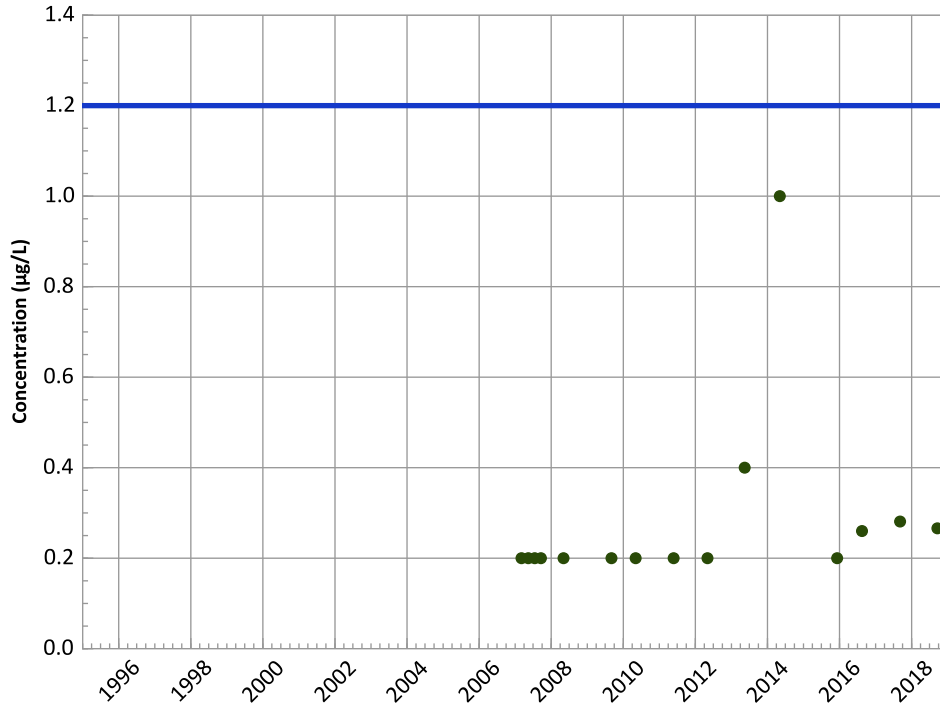
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

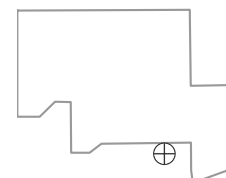
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

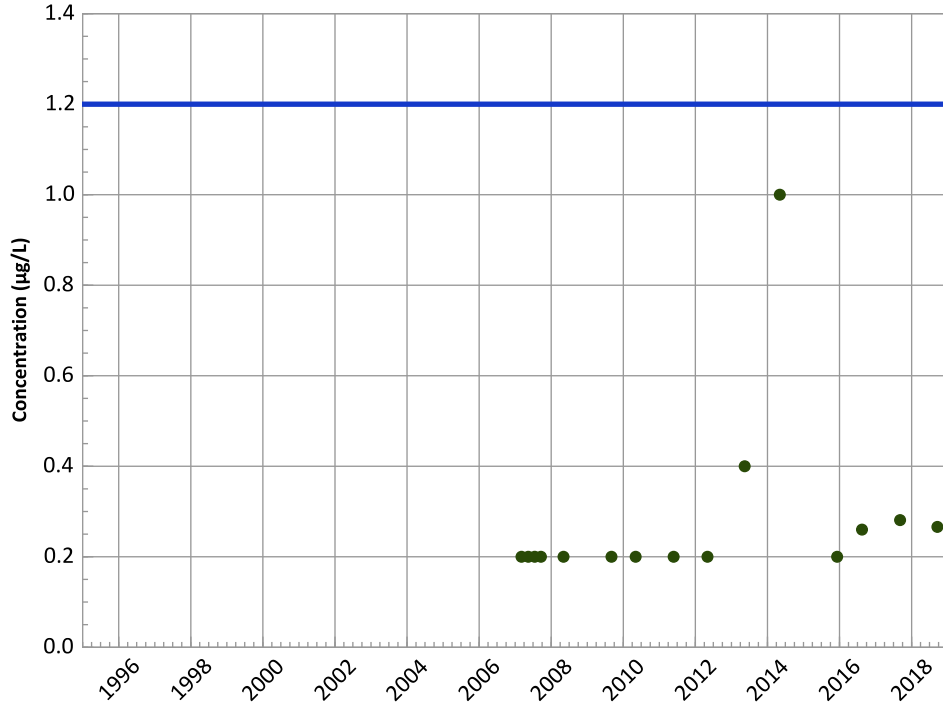


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

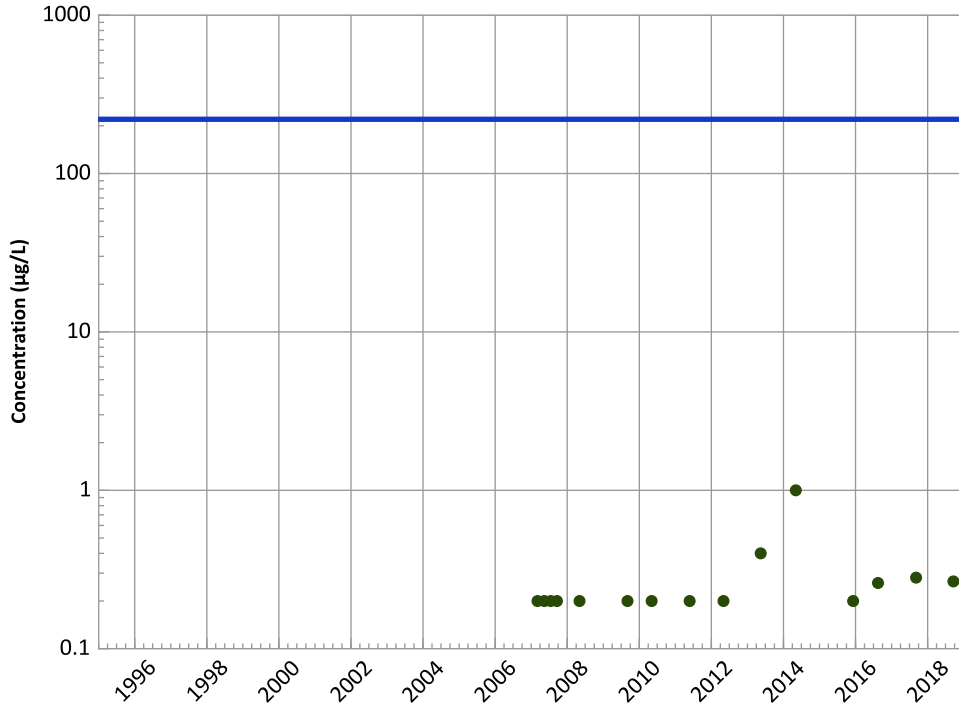
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

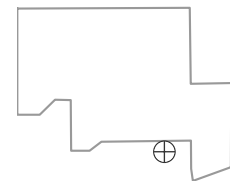
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

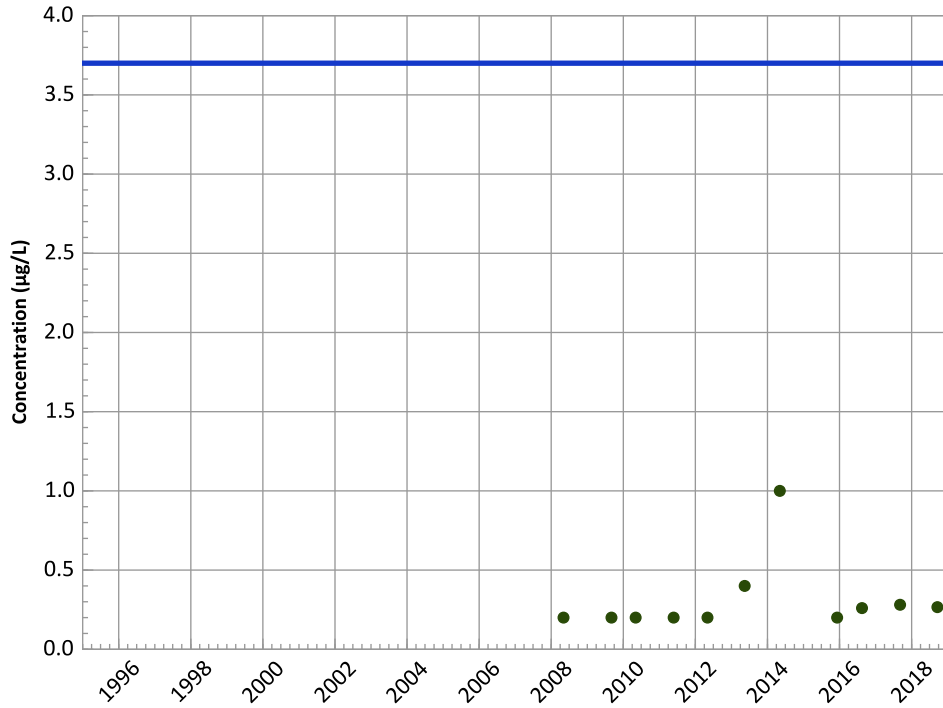
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

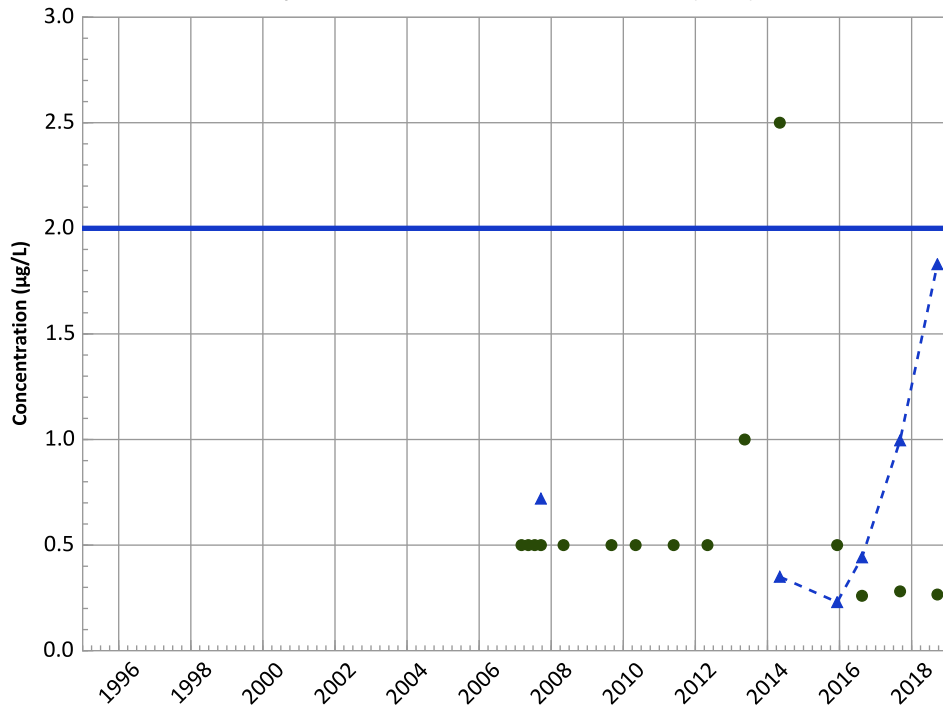
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

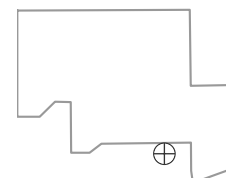
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

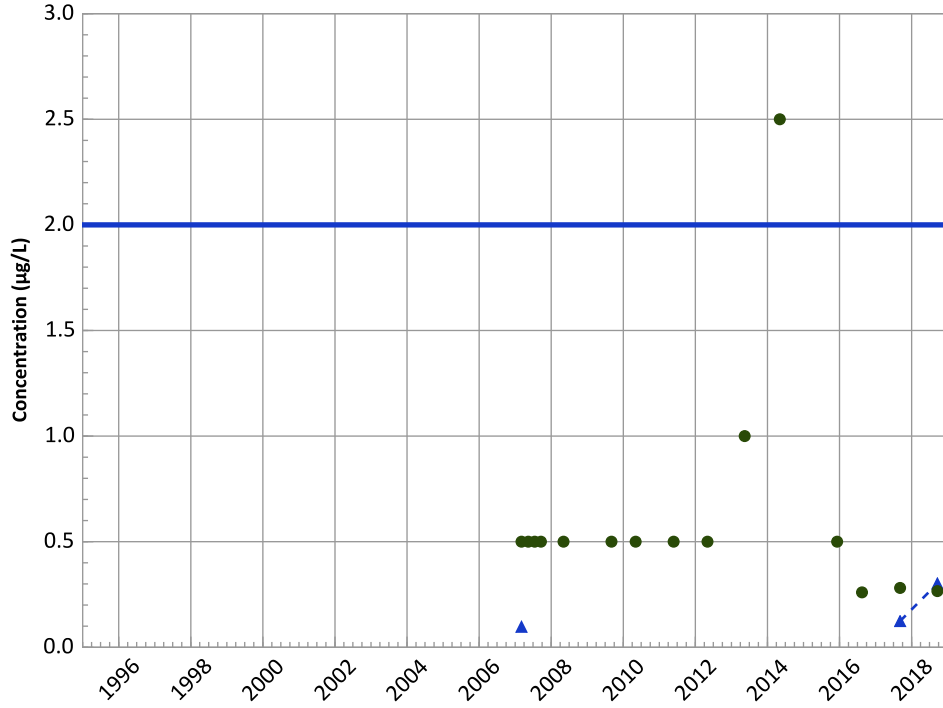
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

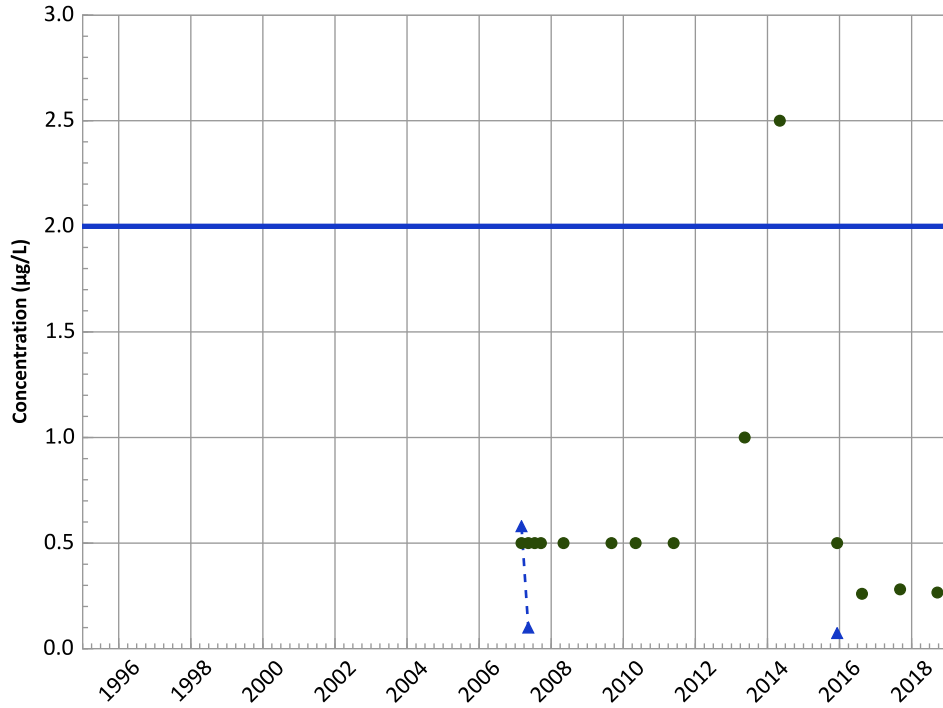
Data (2017 - 2021):

All Non-Detect

All 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 (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

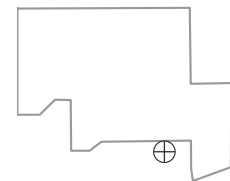
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

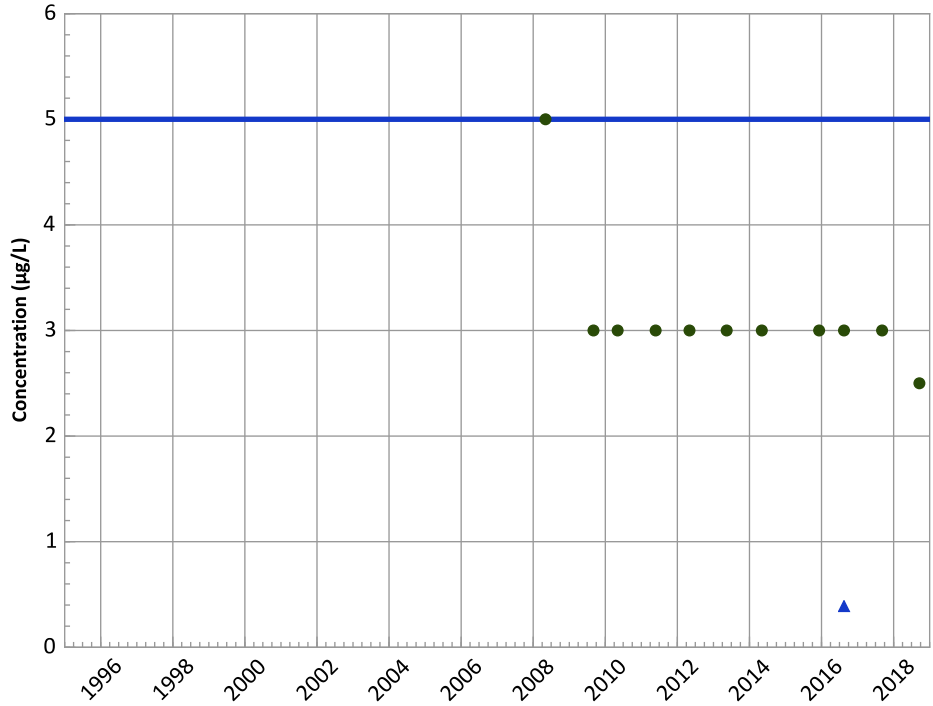
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

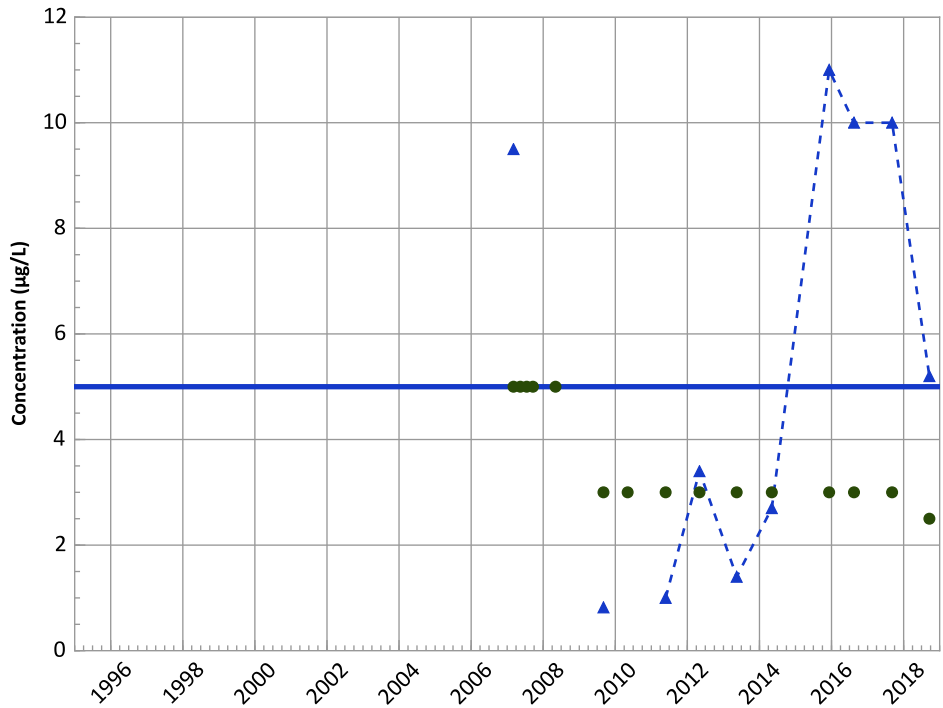


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Trichloroethene Trend



Concentration Trend

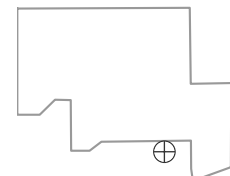
MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Increasing
All Data:
No Trend

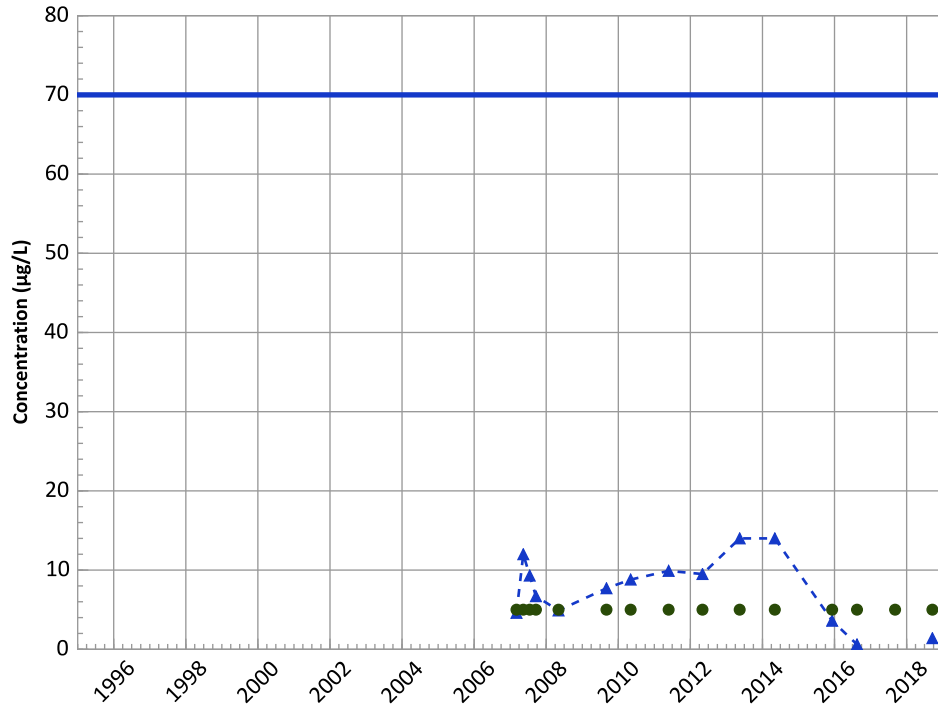
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ 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**

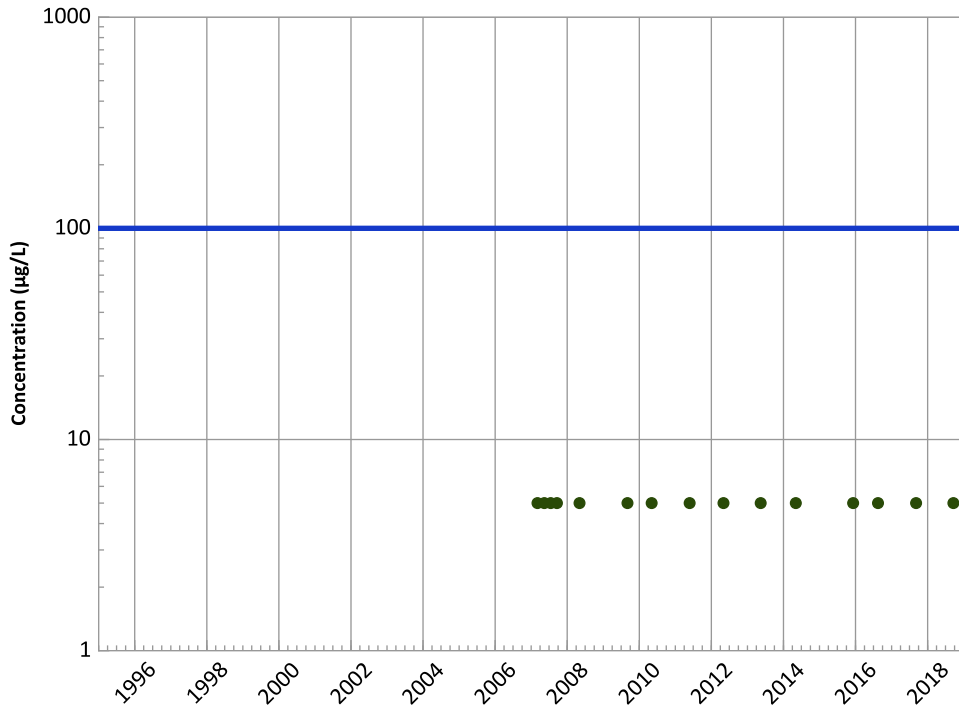


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

trans-1,2-Dichloroethene Trend



Concentration Trend

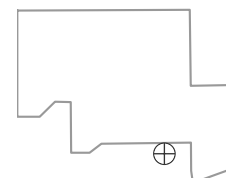
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

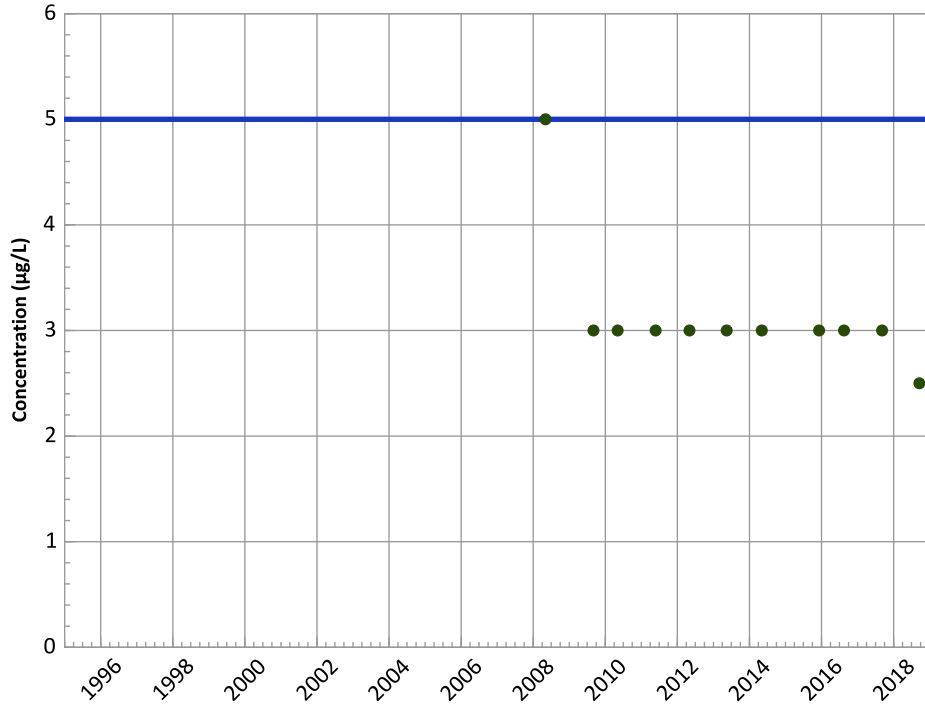
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

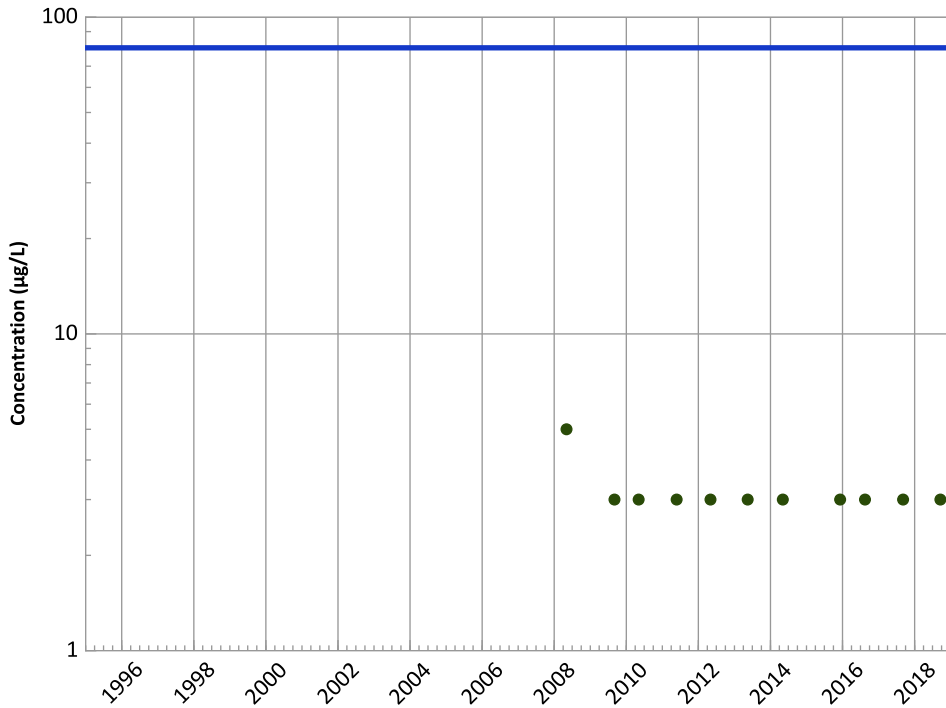
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

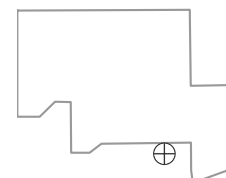
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

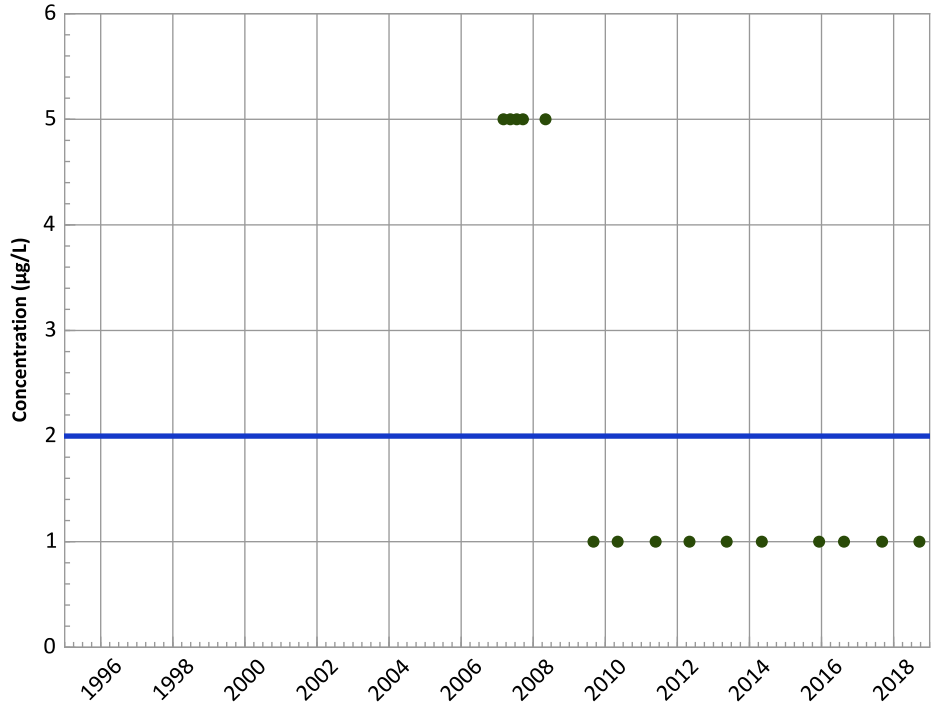
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

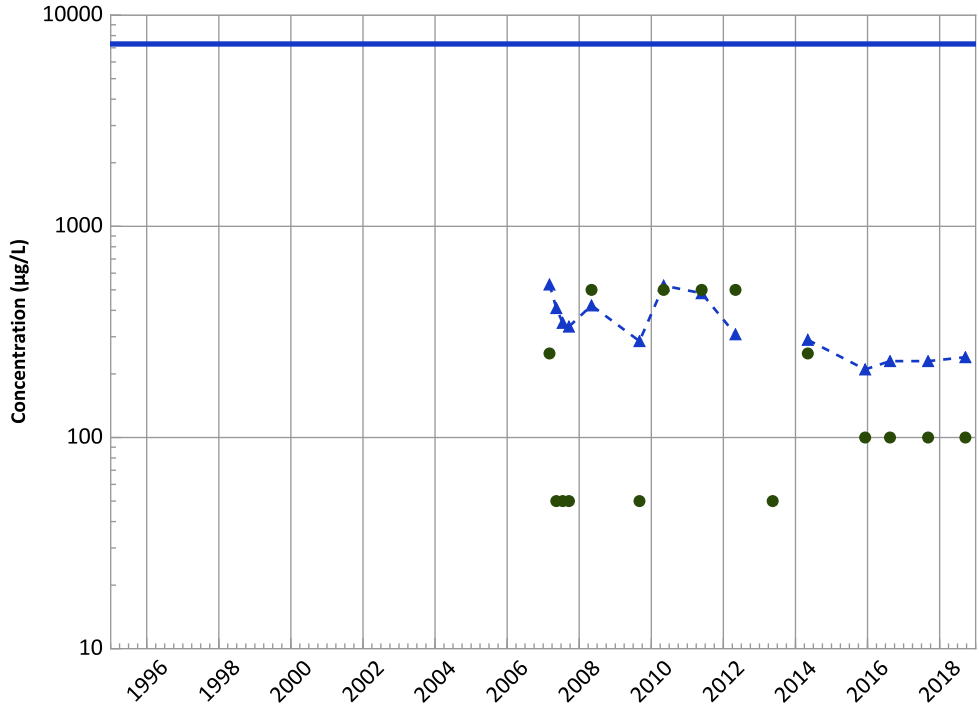


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Boron Trend

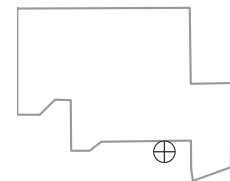


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
Decreasing

Well Location

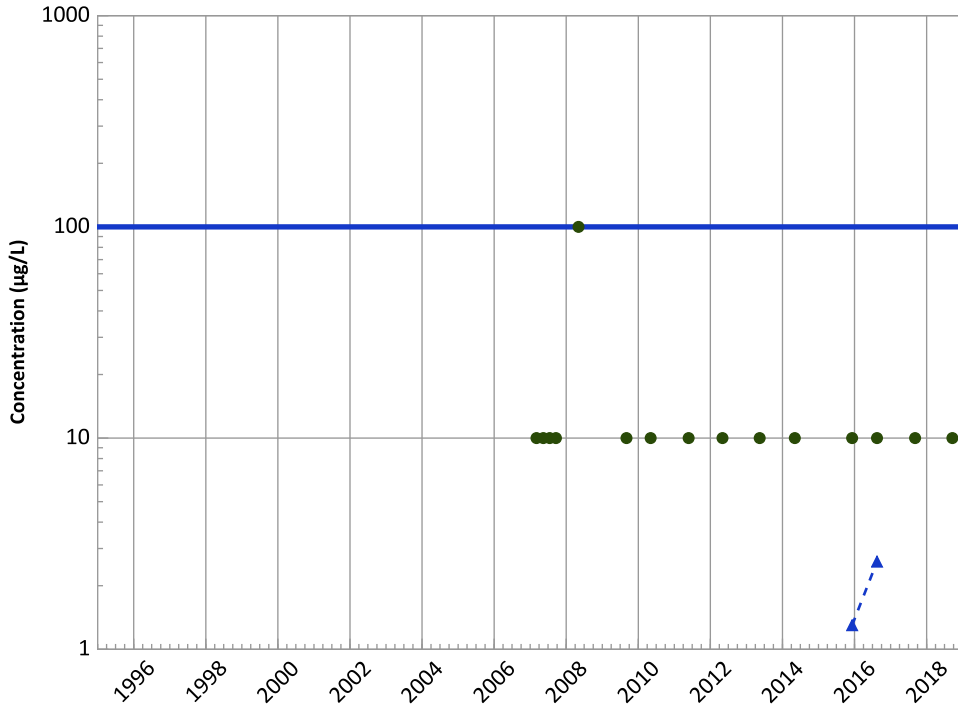


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

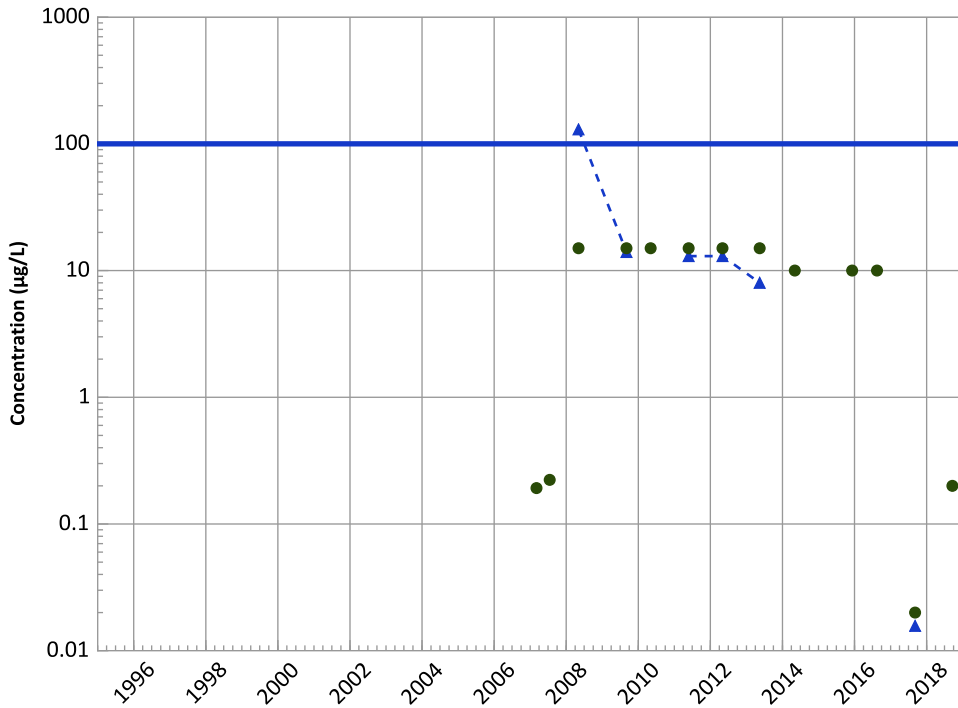


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chromium, Hexavalent Trend

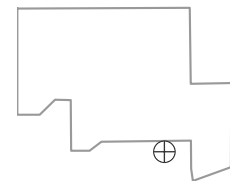


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

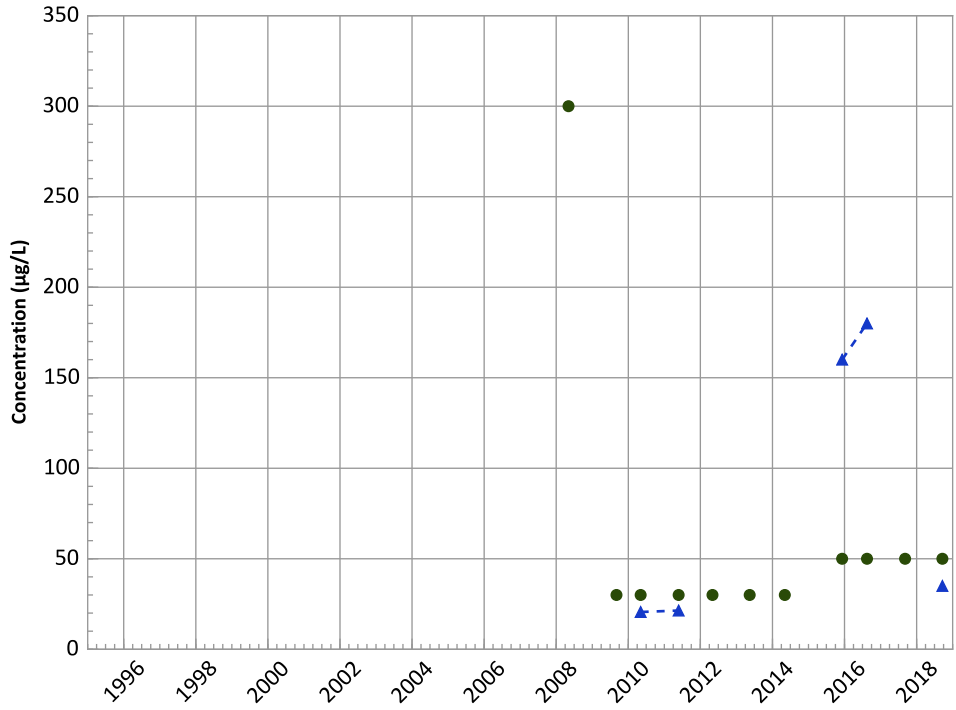


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Aluminum Trend

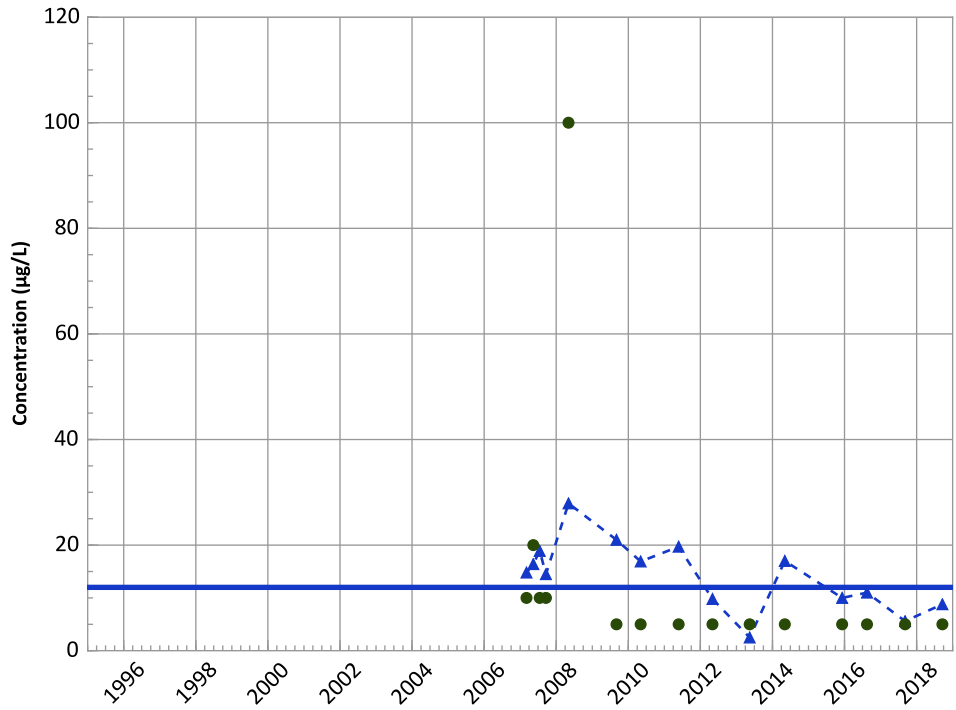


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Arsenic Trend

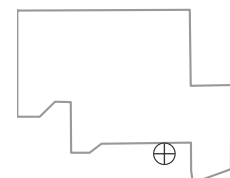


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

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

Well Location

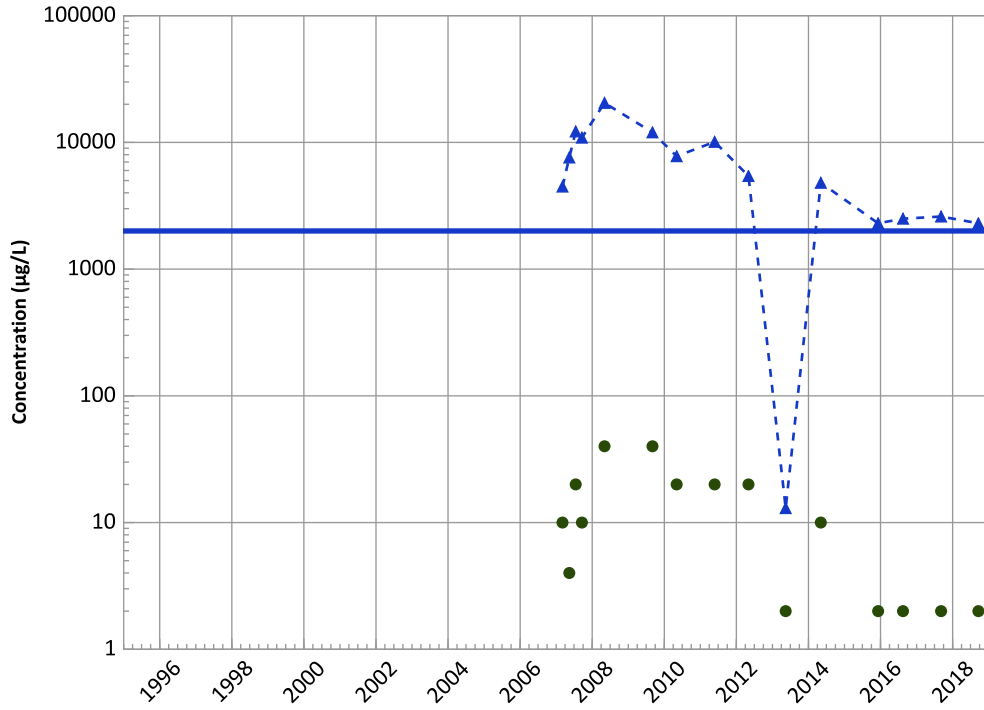


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

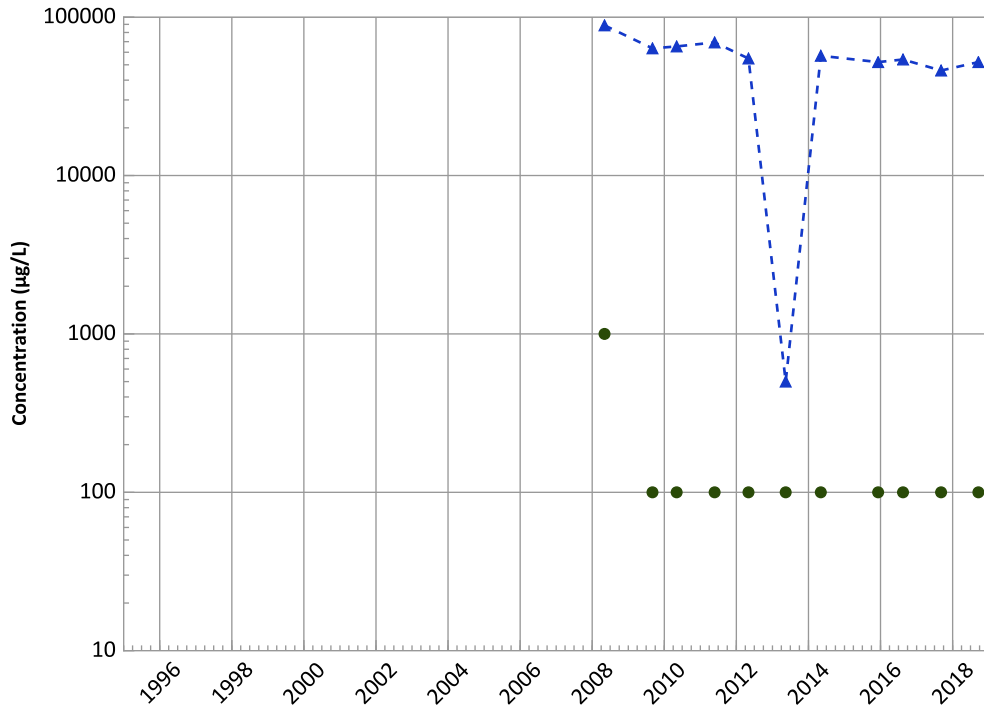
Data (2017 - 2021):

No Trend

All Data:

Probably Decreasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Decreasing

MAROS Linear Regression Method

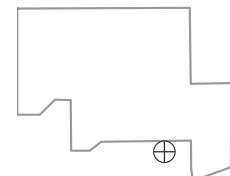
Data (2017 - 2021):

No Trend

All Data:

Stable

Well Location

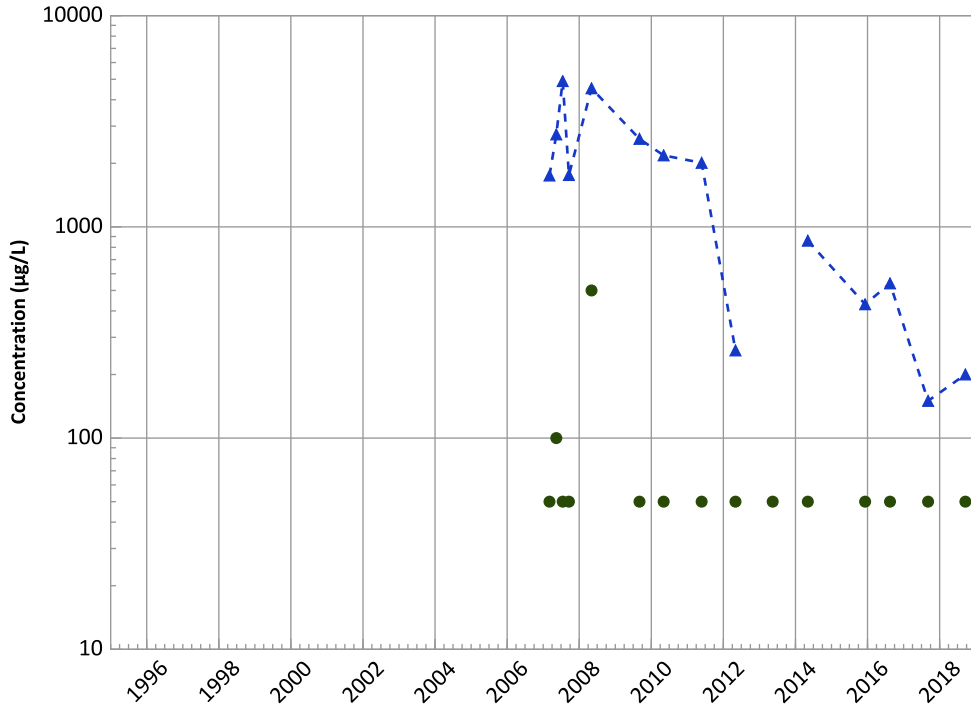


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

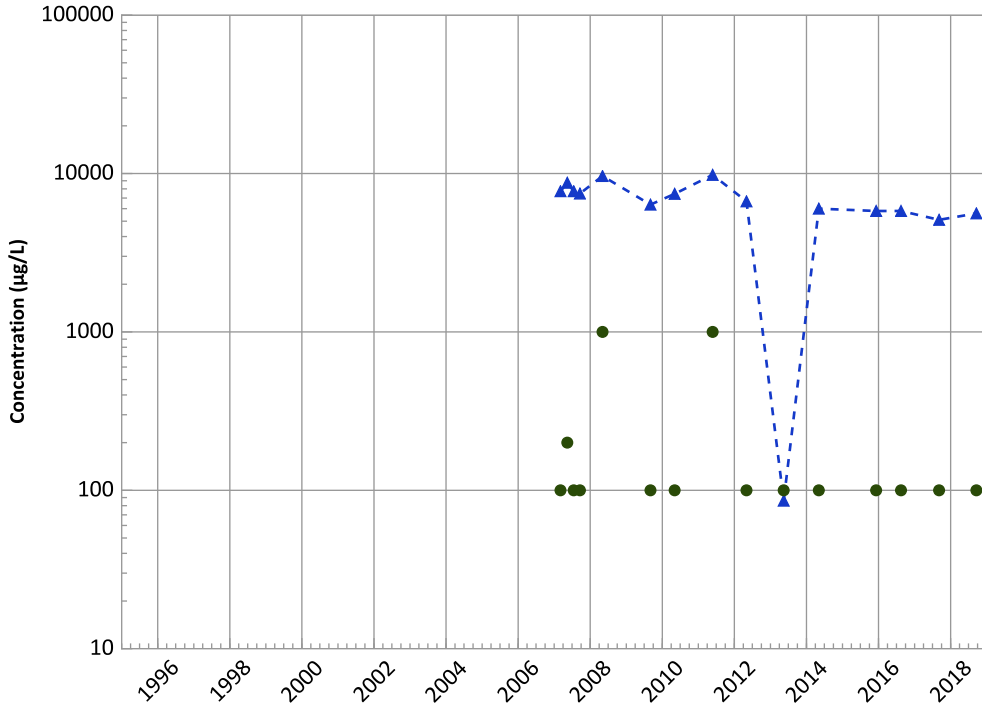
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

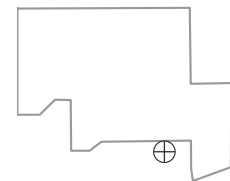
Data (2017 - 2021):

No Trend

All Data:

Stable

Well Location

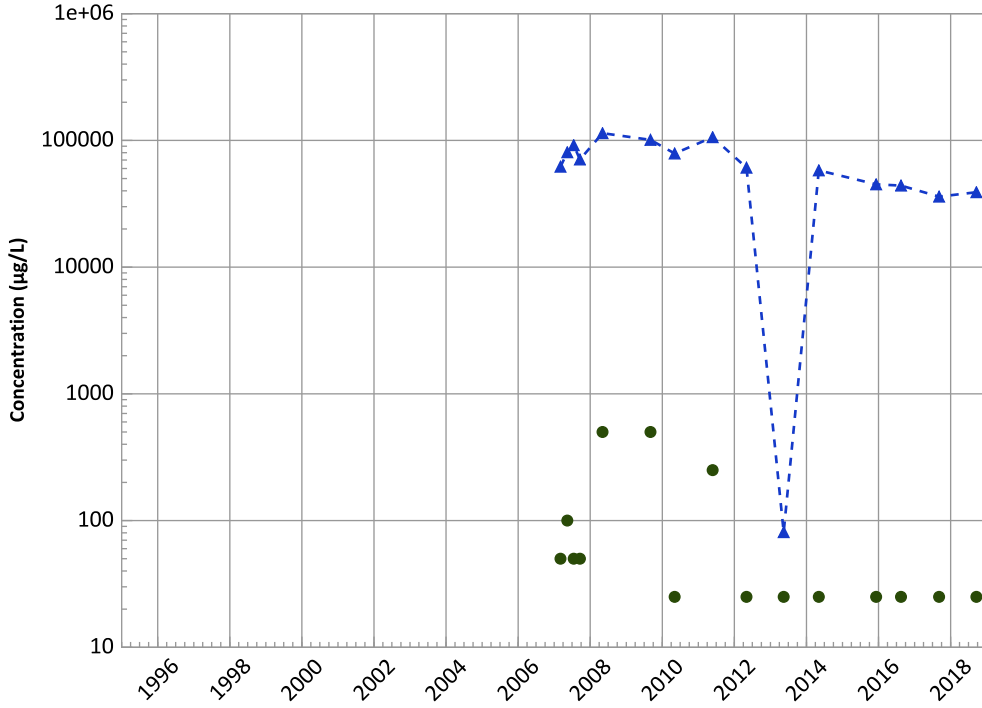


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

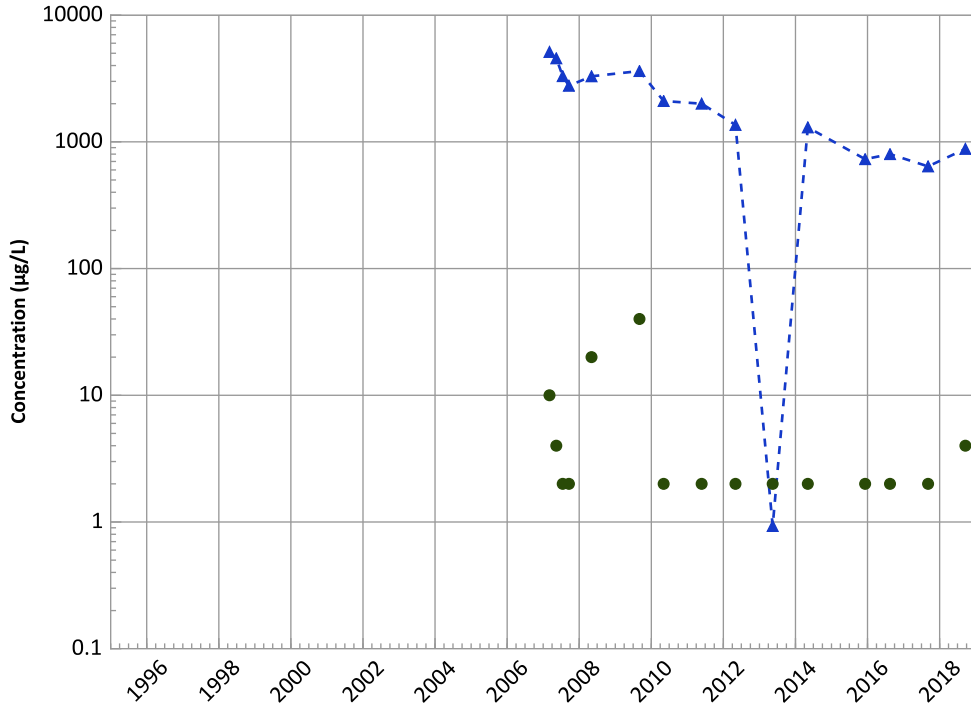
Data (2017 - 2021):

No Trend

All Data:

Stable

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

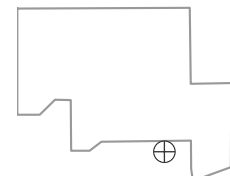
Data (2017 - 2021):

No Trend

All Data:

Probably Decreasing

Well Location

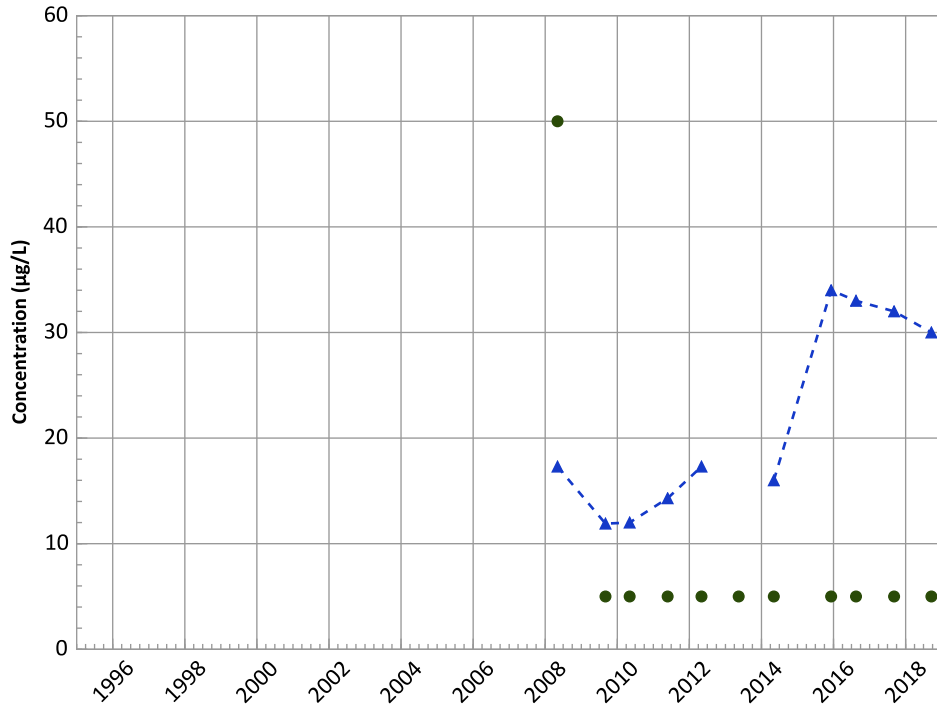


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

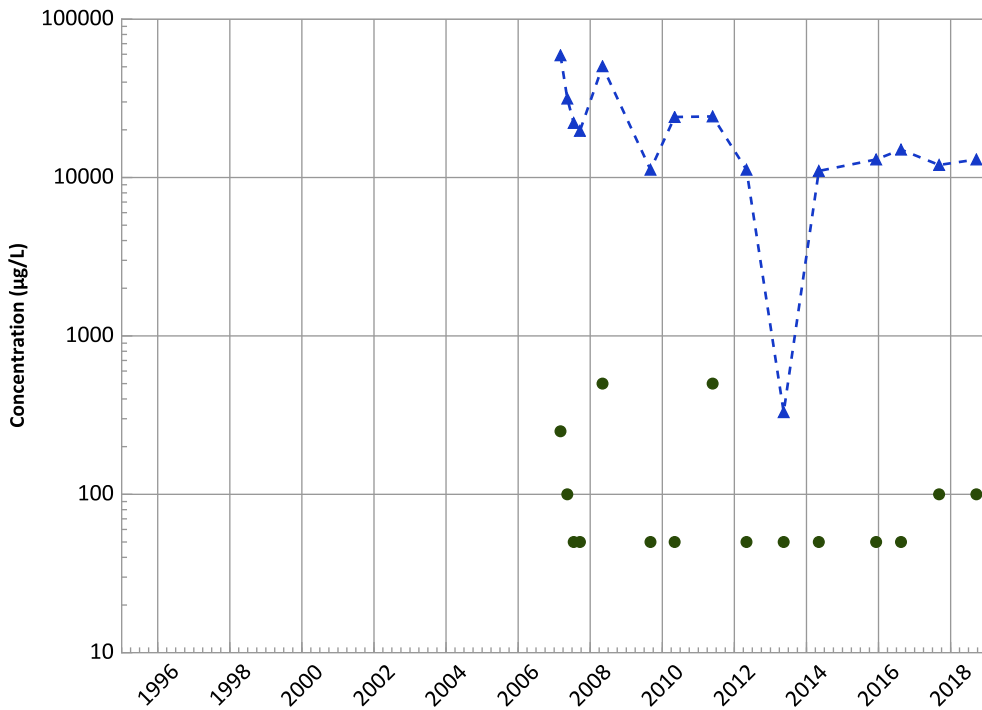
MAROS Mann-Kendall Method

Data (2017 - 2021):
No Trend
All Data:
Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):
Probably Increasing
All Data:
Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
No Trend
All Data:
Decreasing

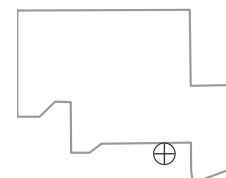
MAROS Linear Regression Method

Data (2017 - 2021):
No Trend
All Data:
Probably Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

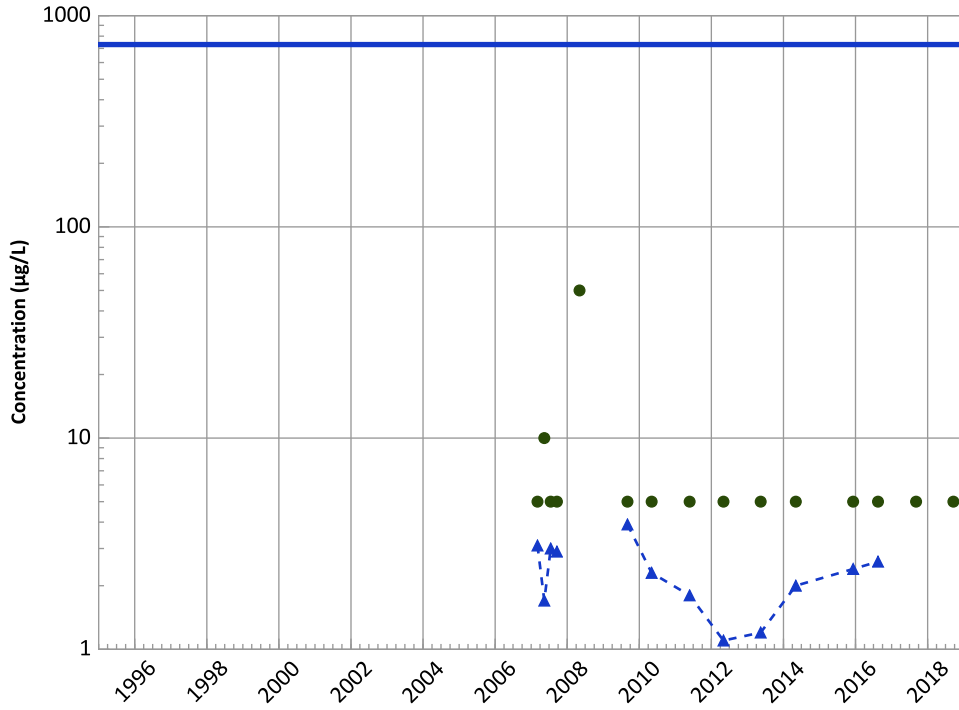
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend

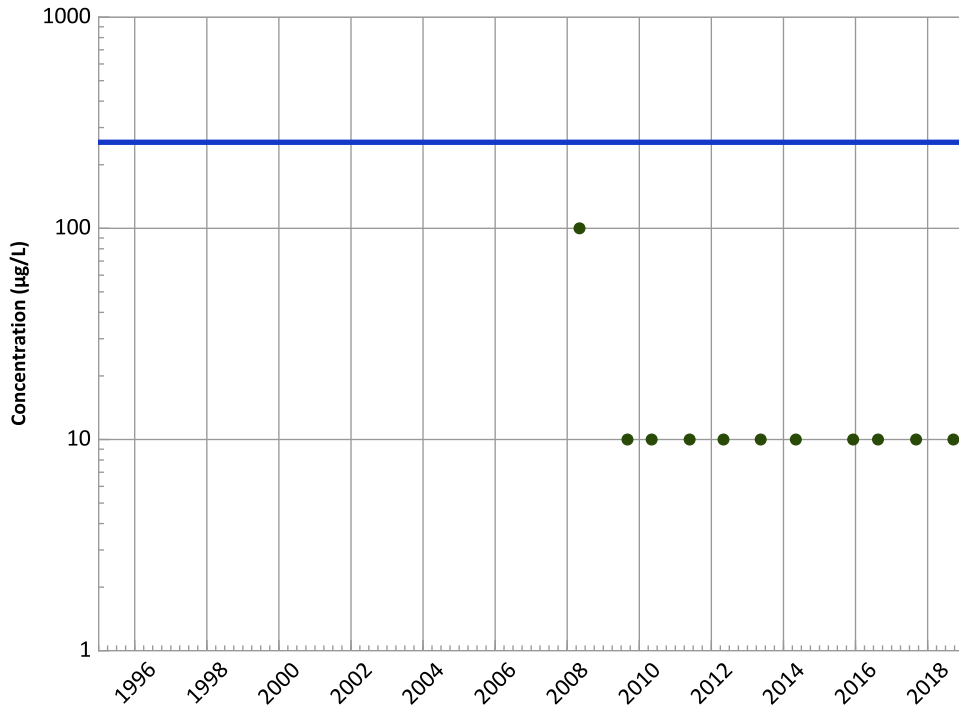


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Stable

Vanadium Trend

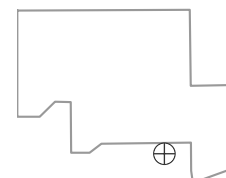


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

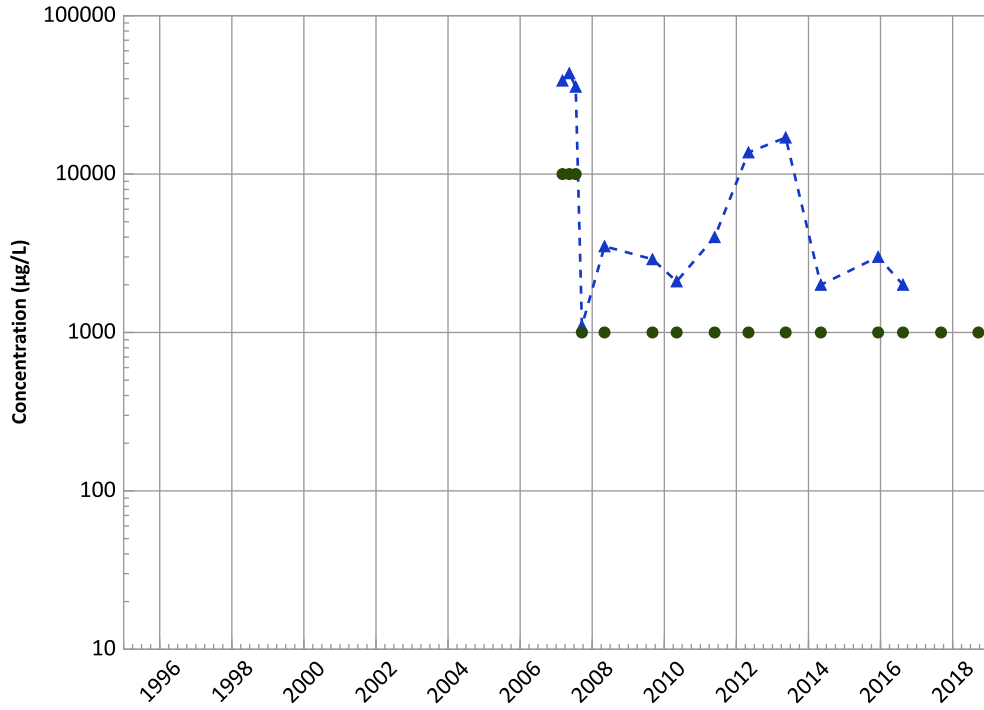


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1101 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

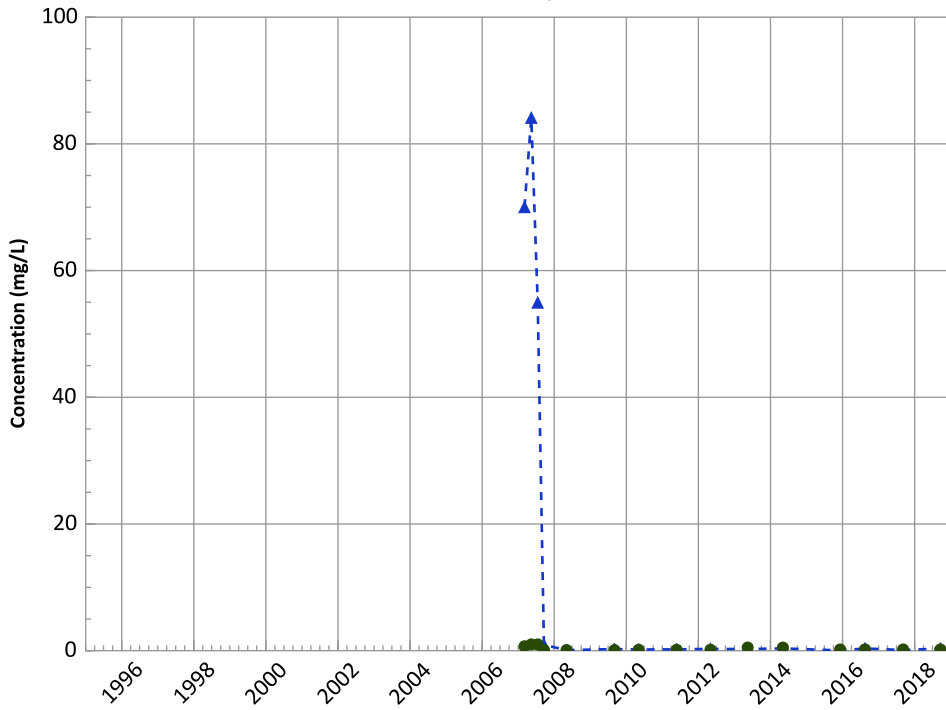
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Decreasing

MAROS Linear Regression Method

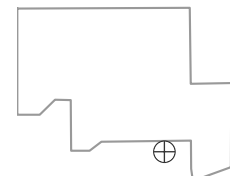
Data (2017 - 2021):

Stable

All Data:

Decreasing

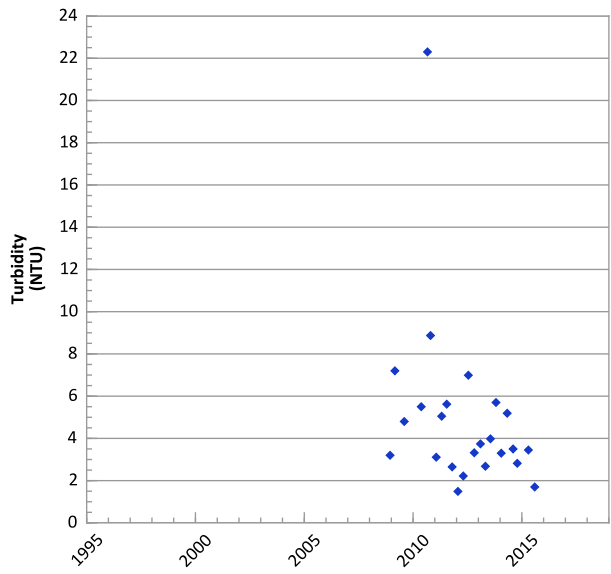
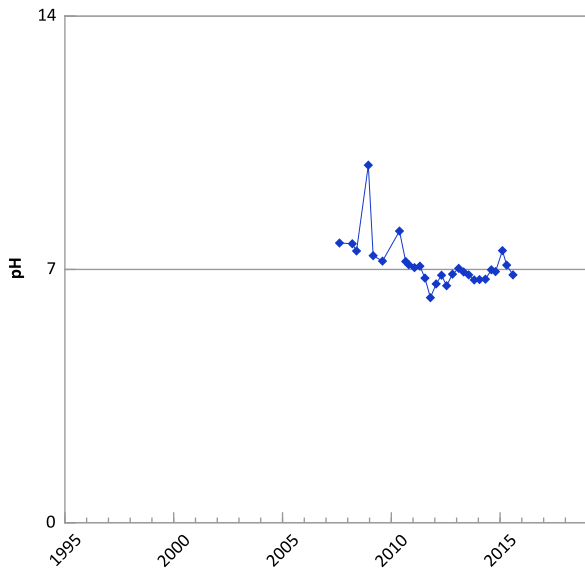
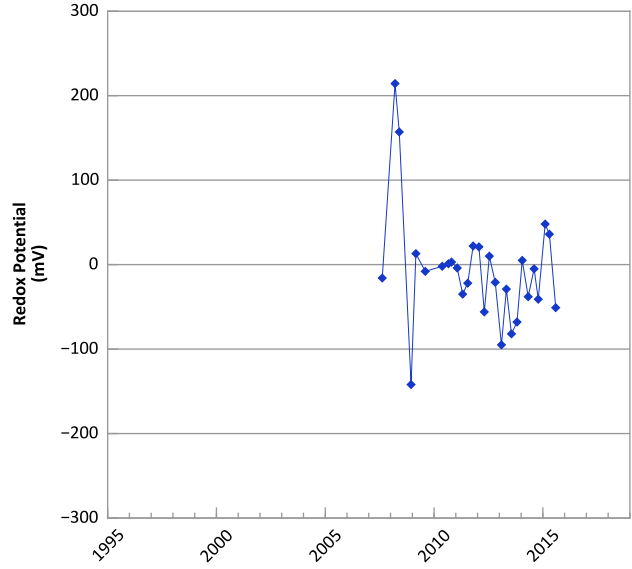
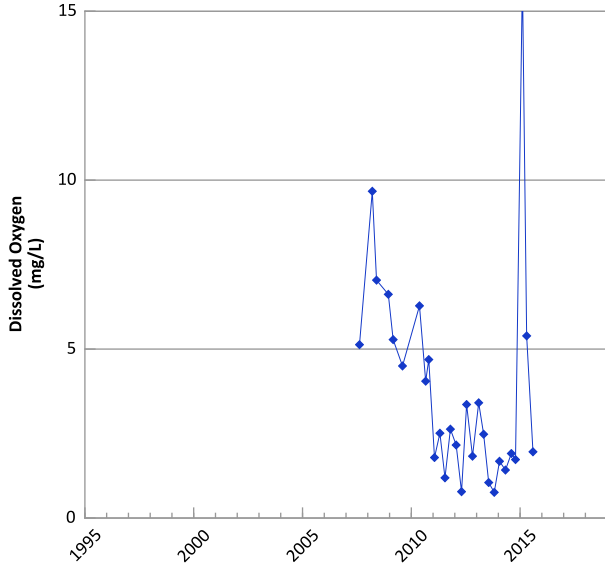
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 03/06/2007 to 09/19/2018
Analysis Date: 02/14/2019

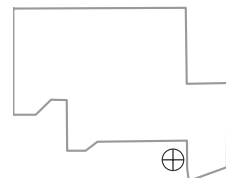
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



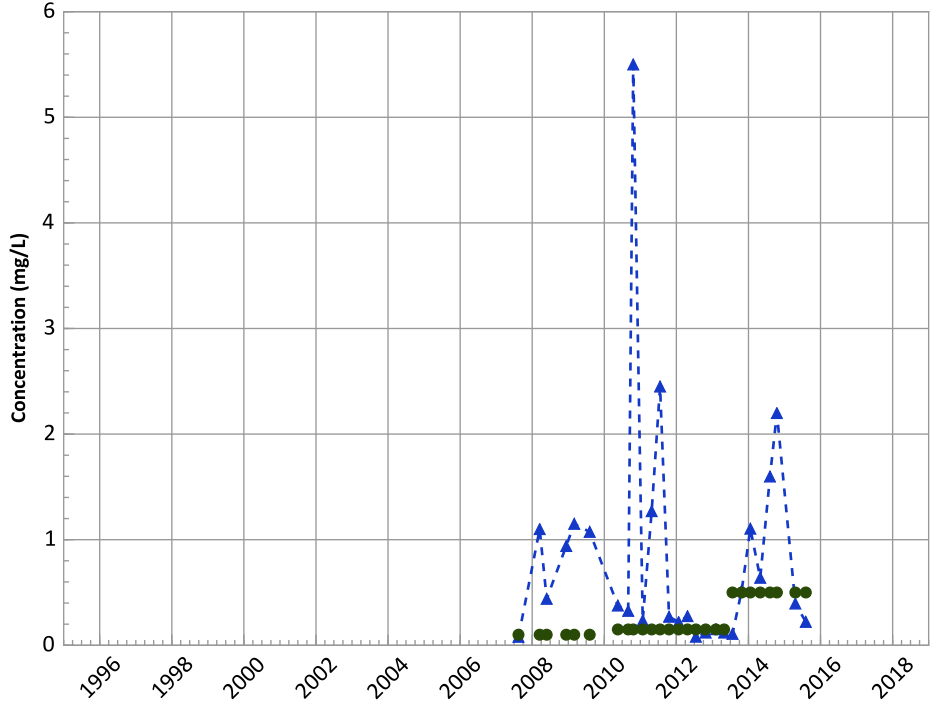
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/15/2007 to 08/05/2015
 Analysis Date: 02/14/2019

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):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

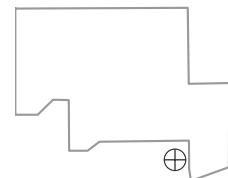
All Data:

No Trend

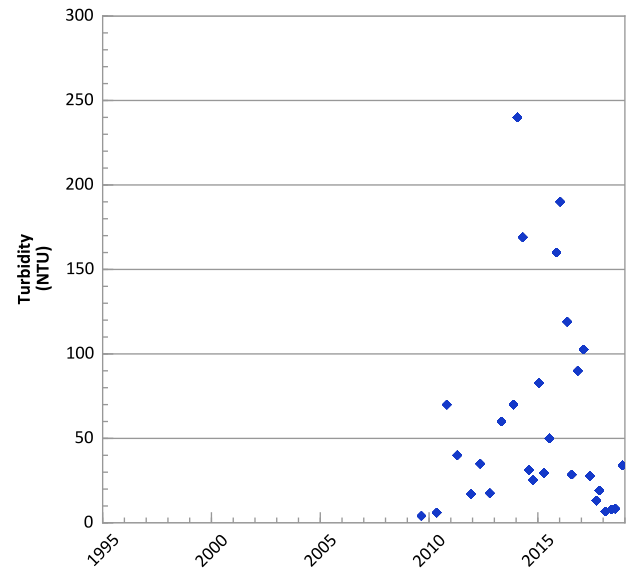
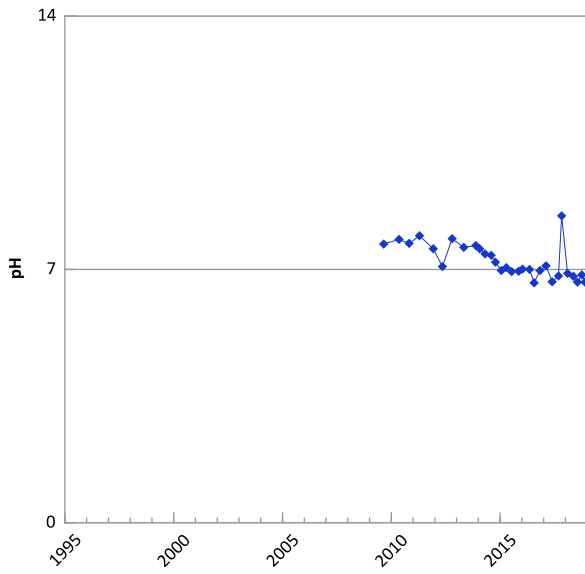
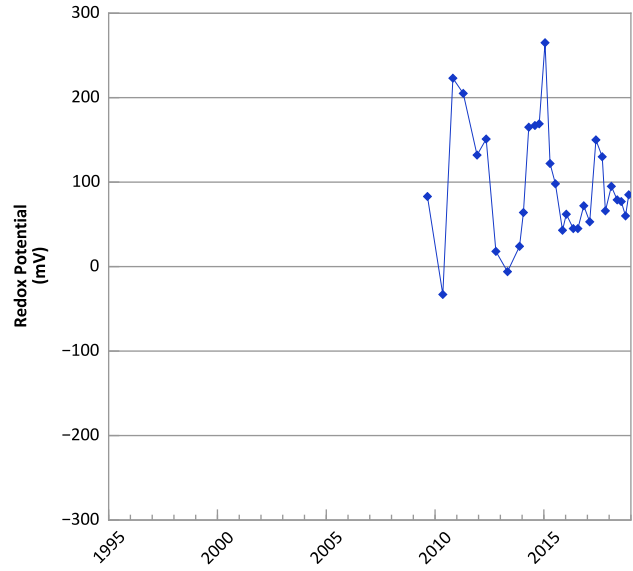
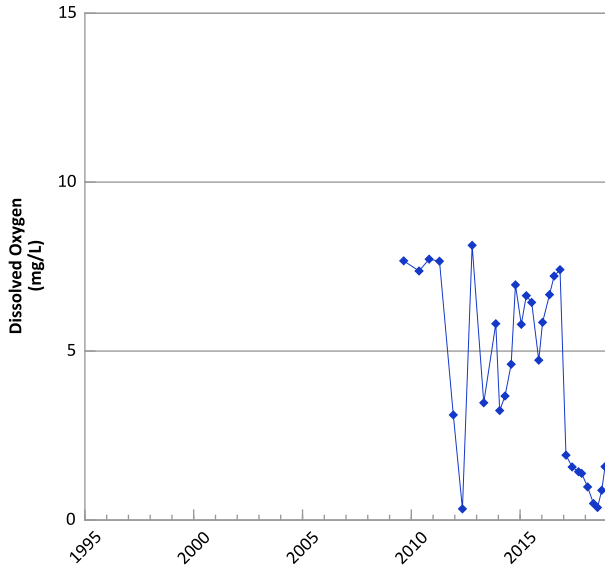
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/15/2007 to 08/05/2015
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

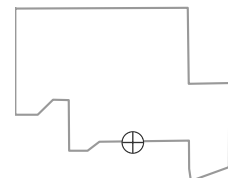


**PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



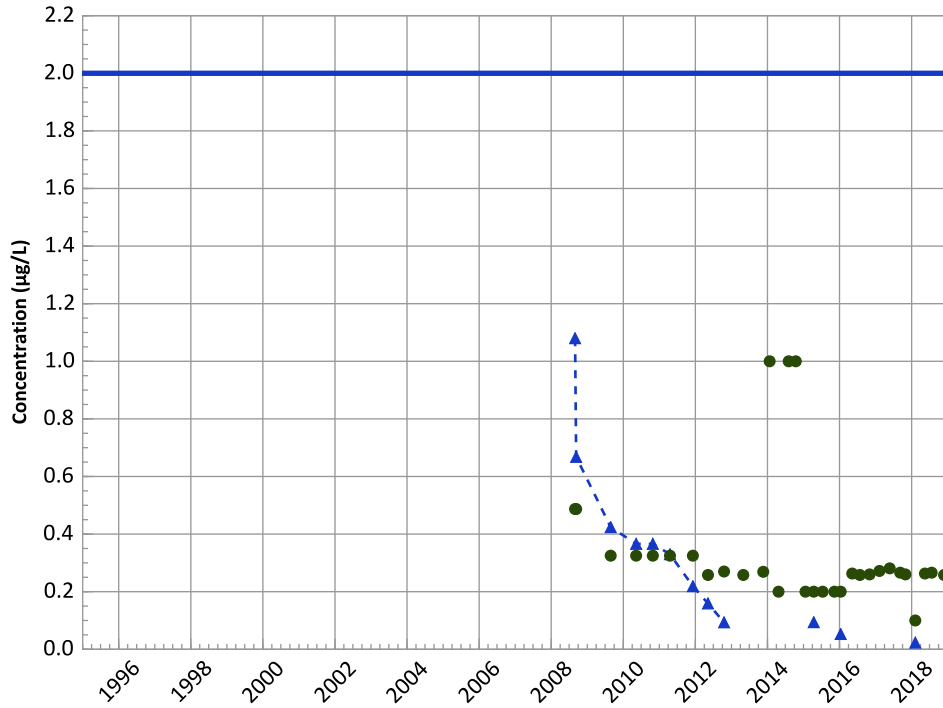
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/30/2008 to 11/26/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

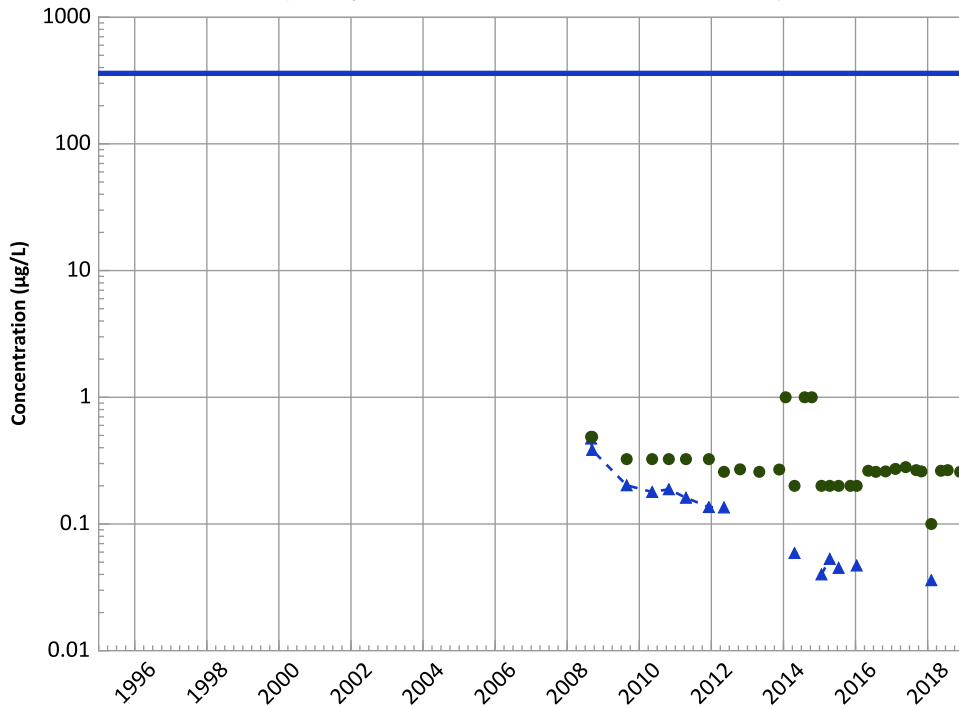
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

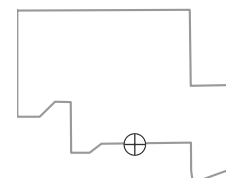
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

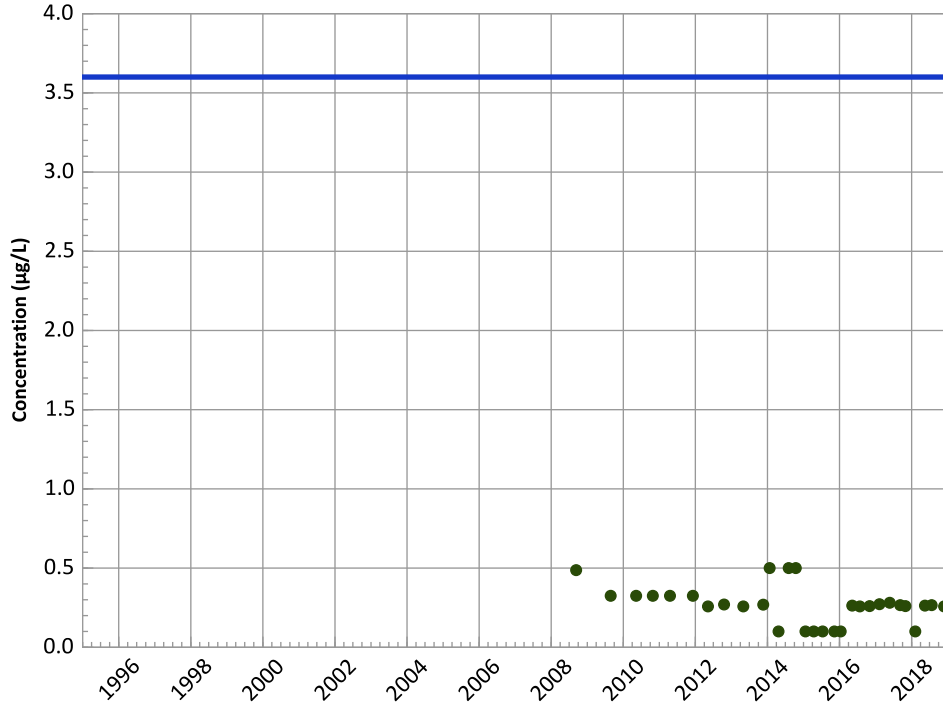
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

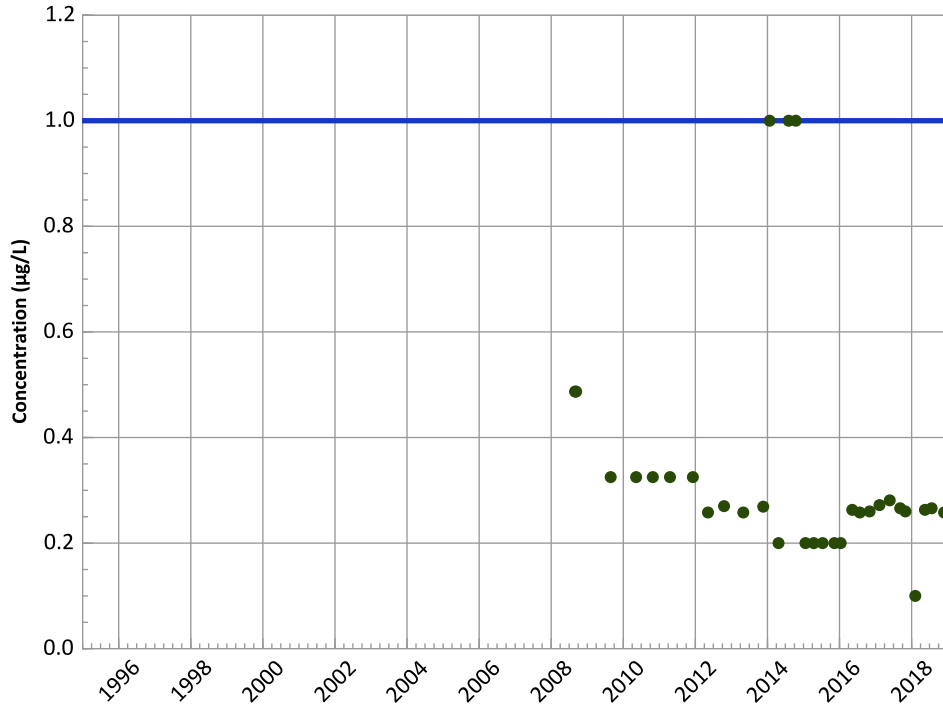
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

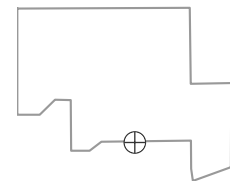
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

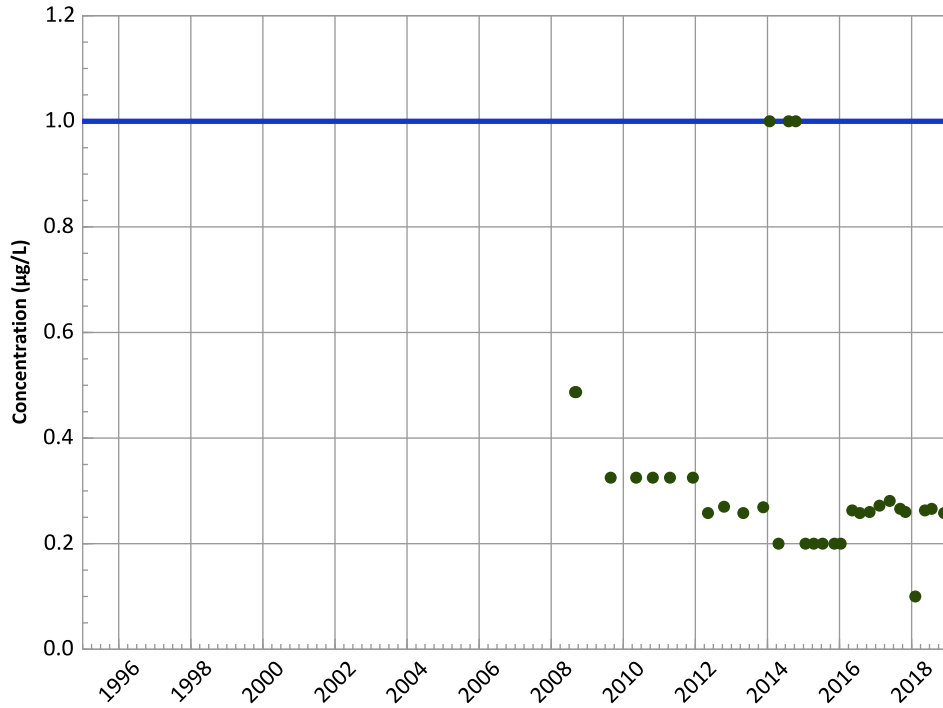


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

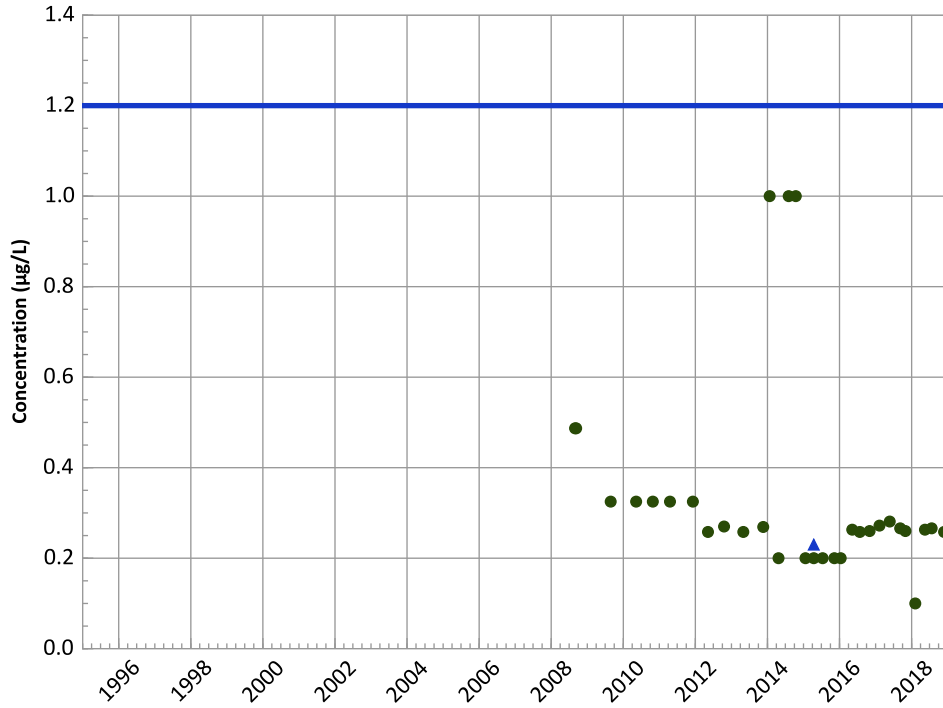
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

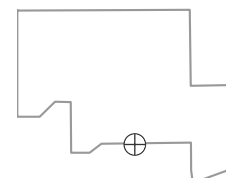
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

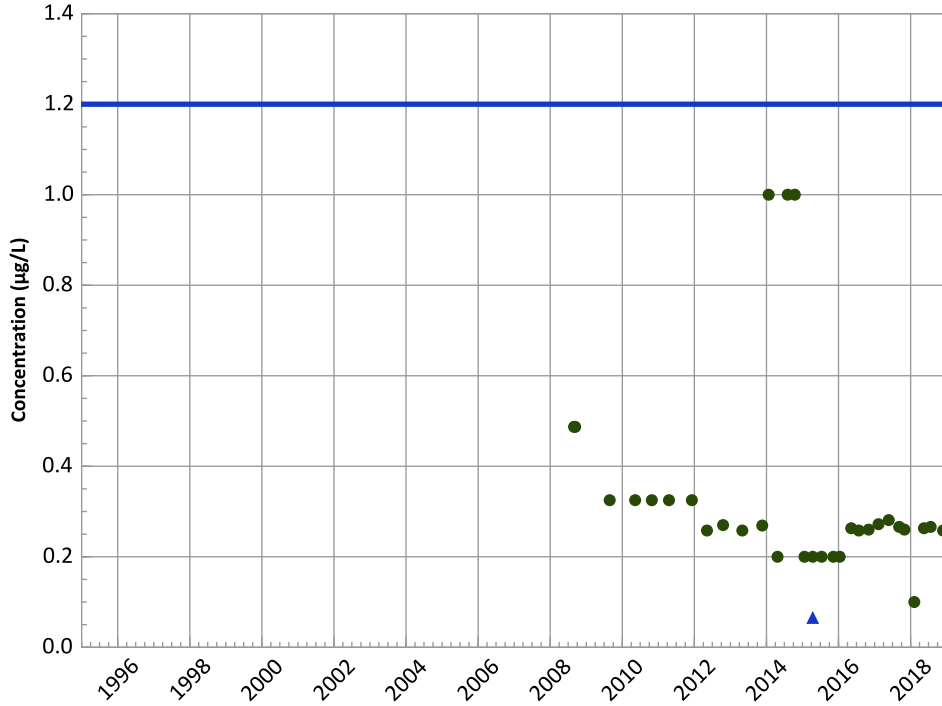


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

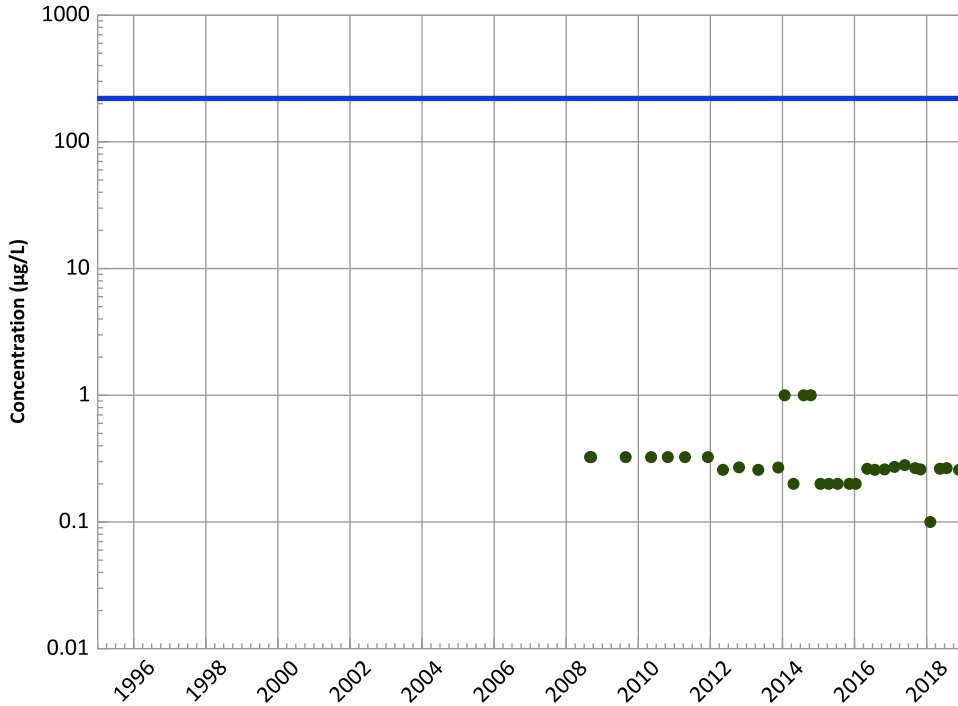


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend

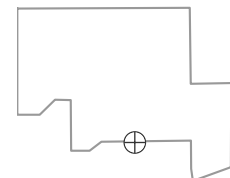


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

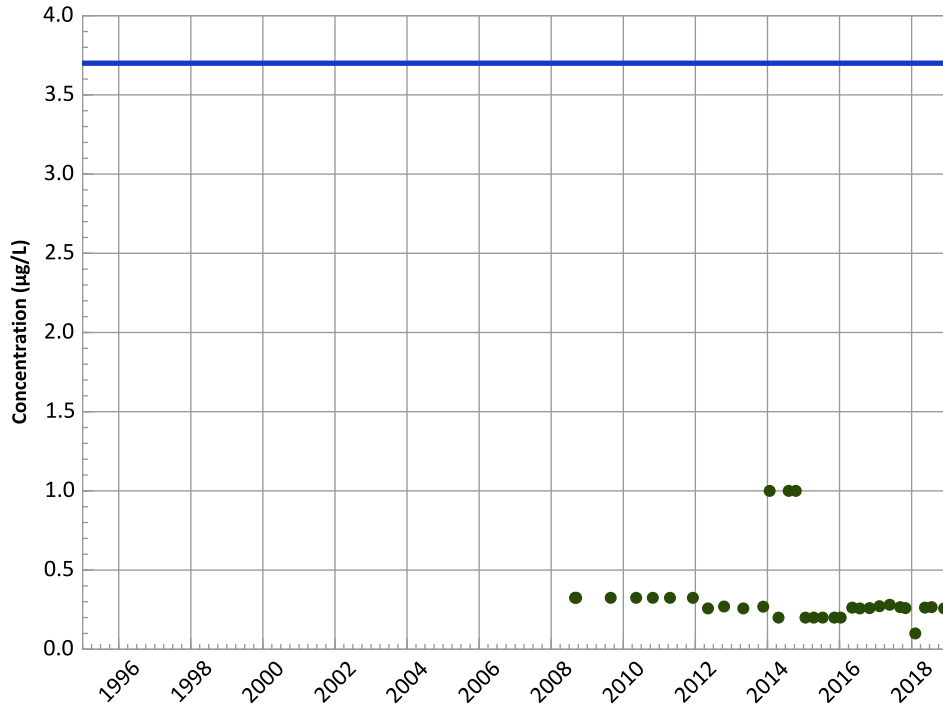


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

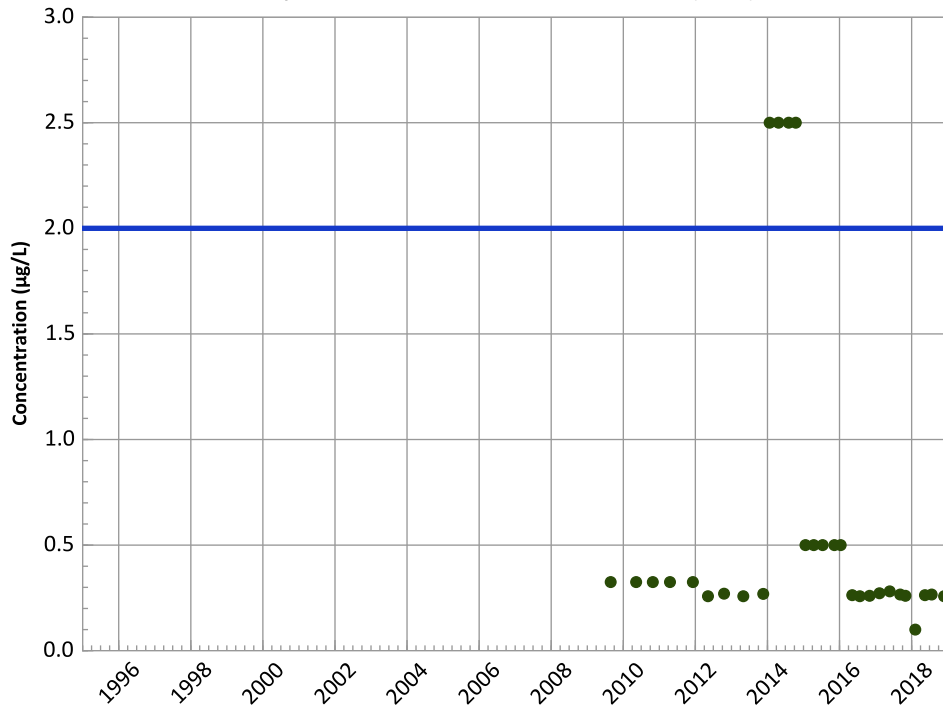
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

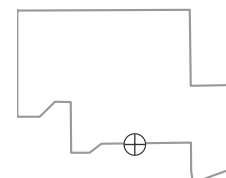
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

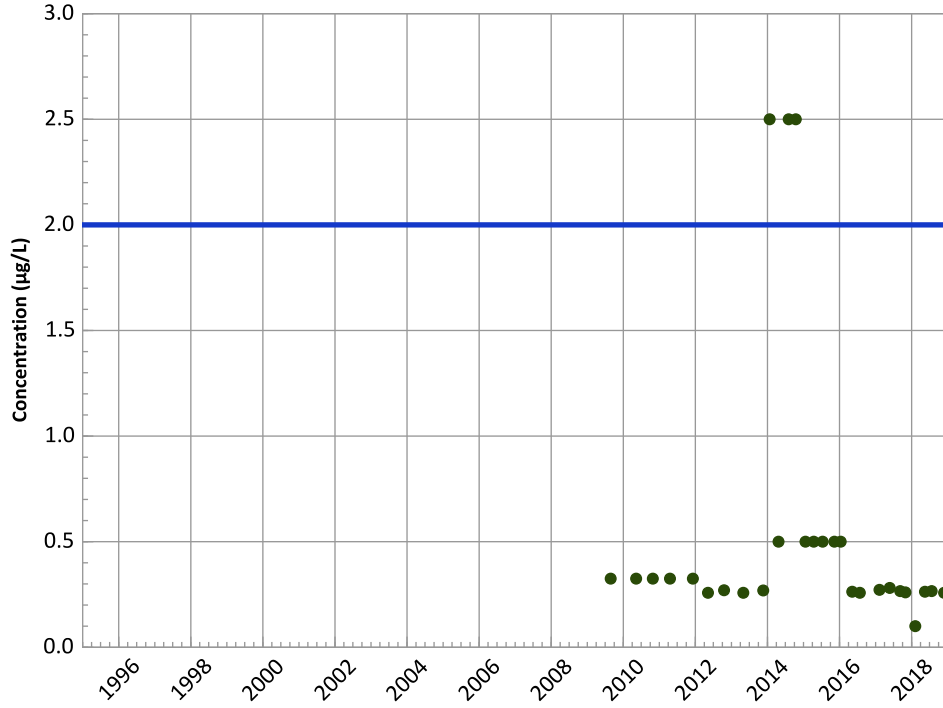
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

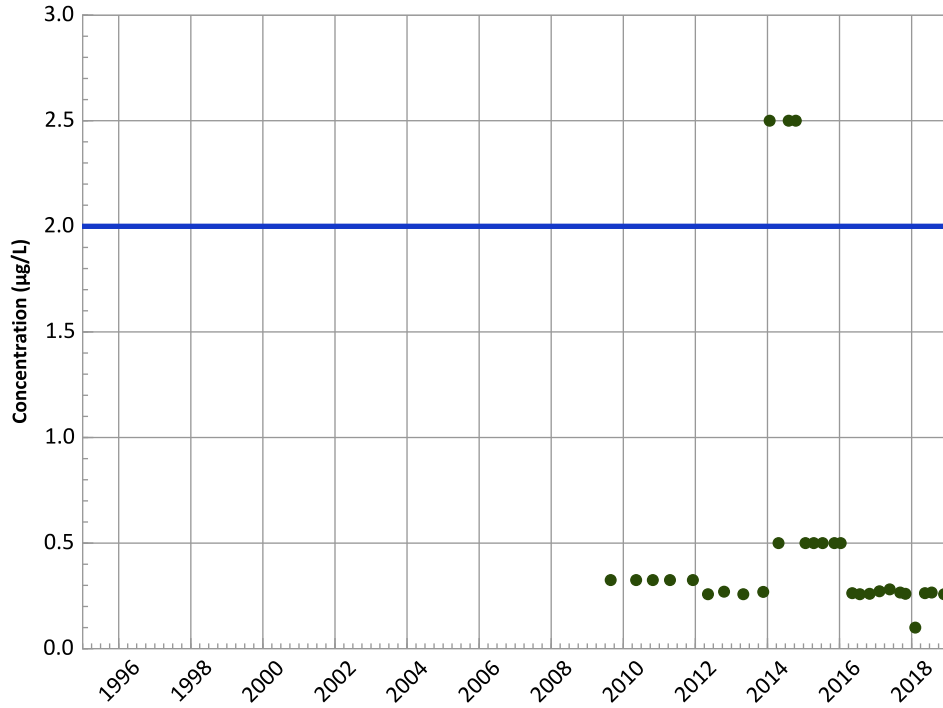


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

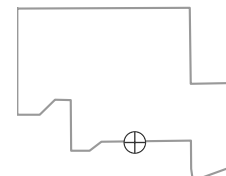
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

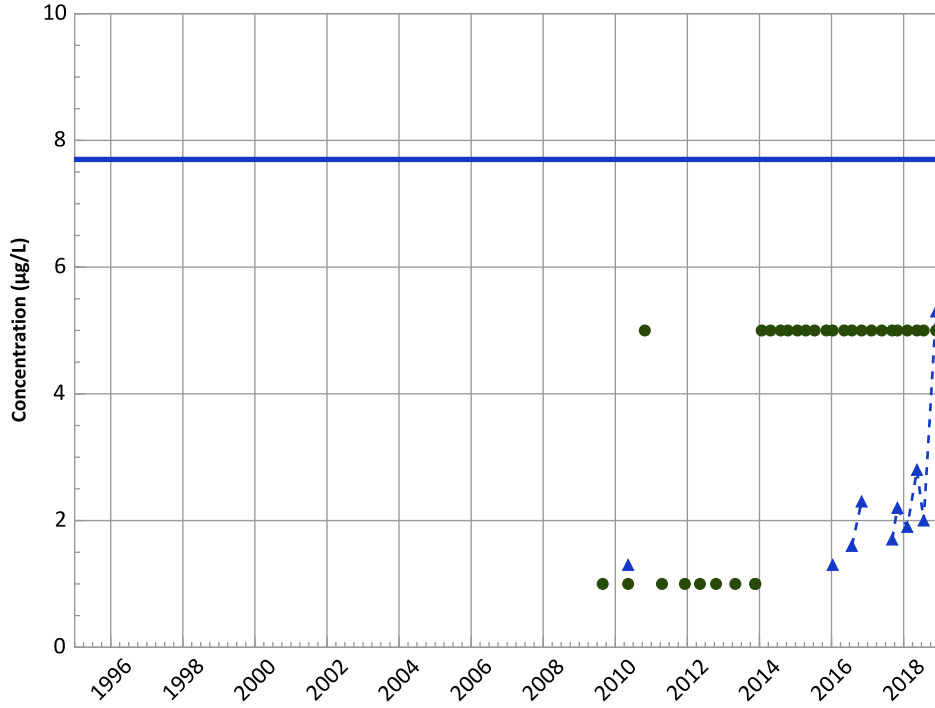
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ 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

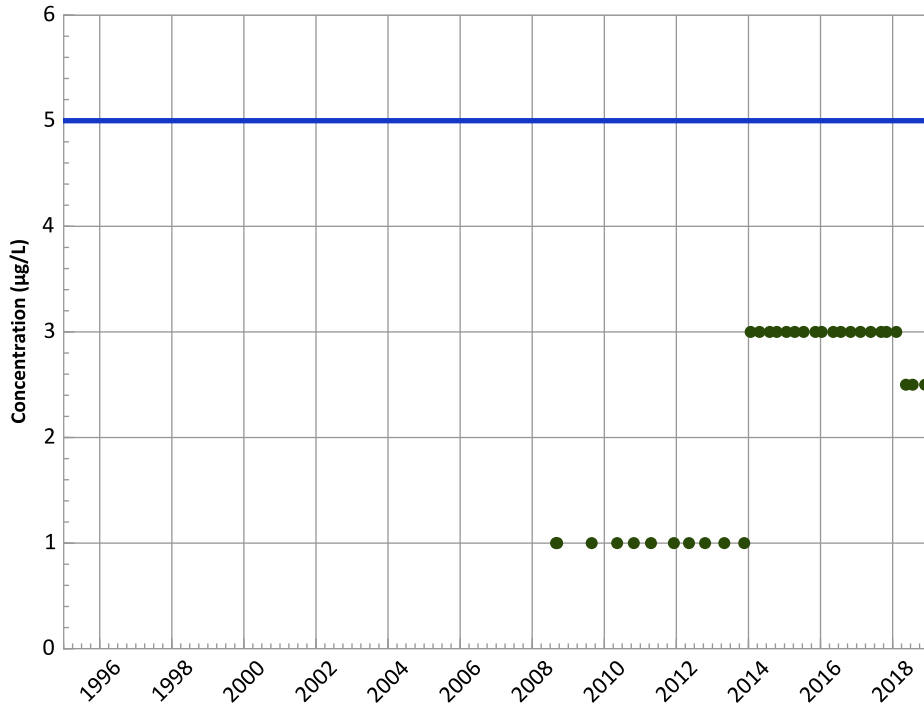


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Tetrachloroethylene (PCE) Trend

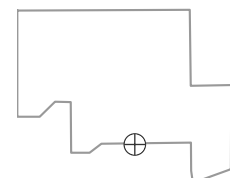


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

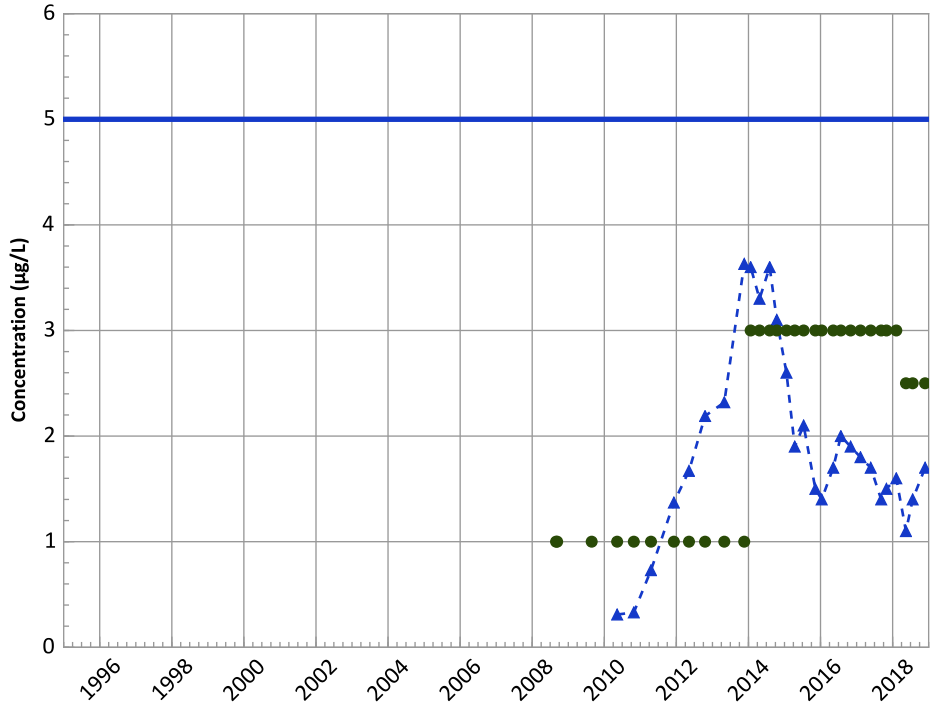


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

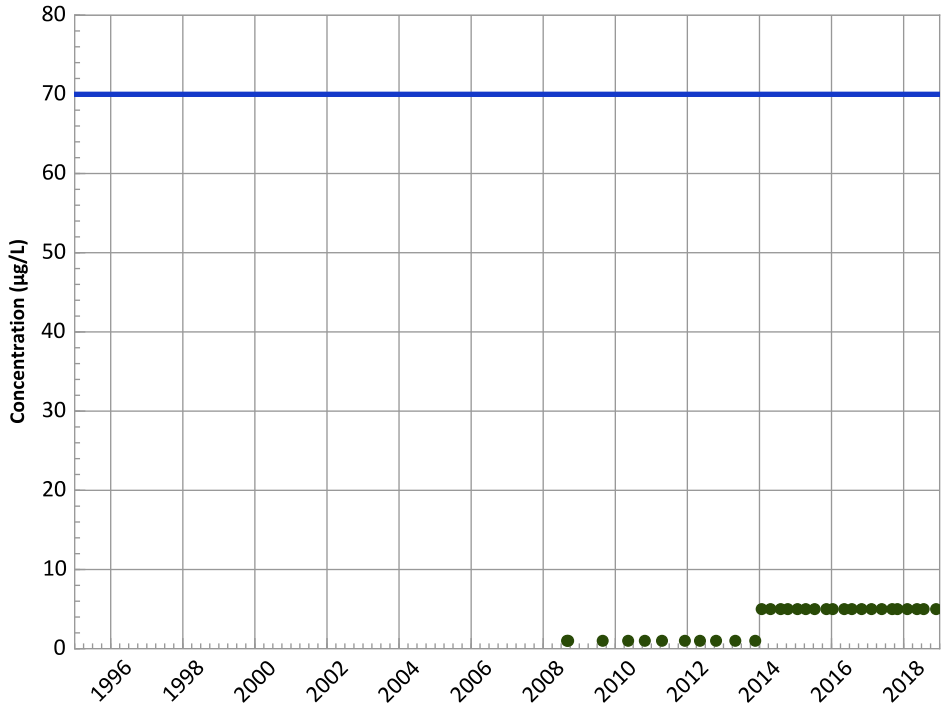
Data (2017 - 2021):

Probably Decreasing

All Data:

Probably Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

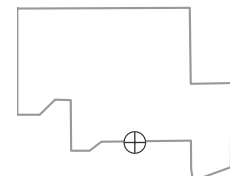
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

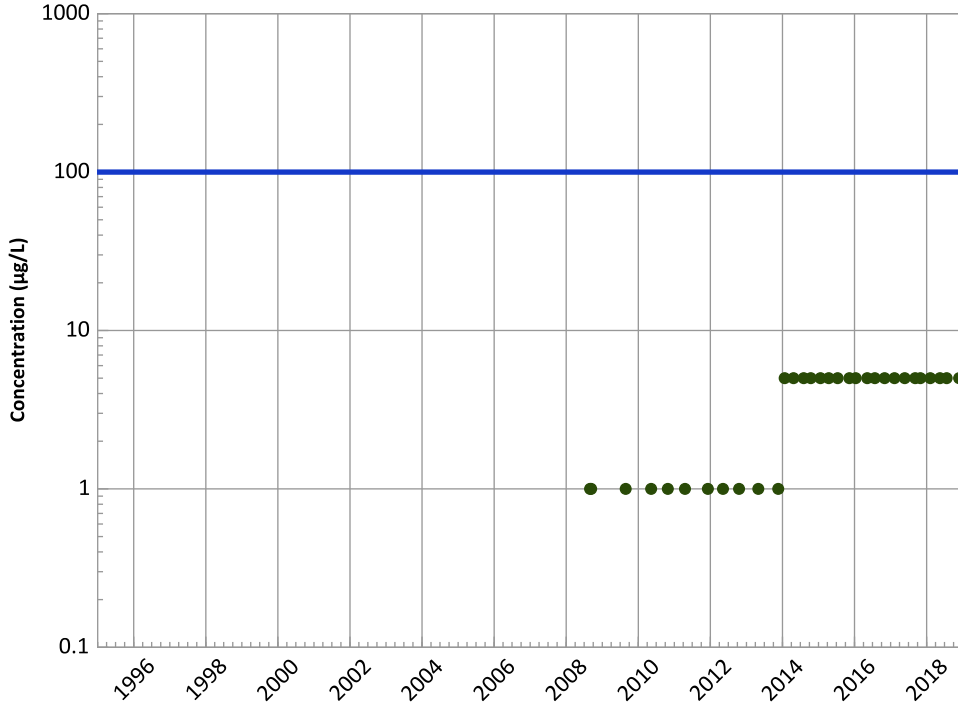
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

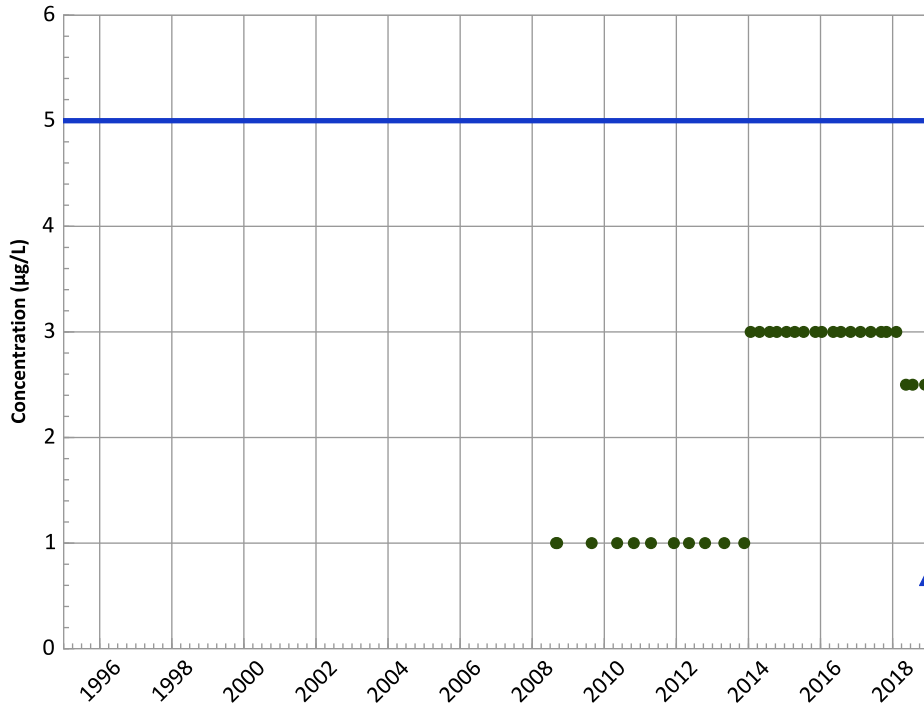
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

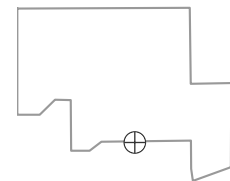
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

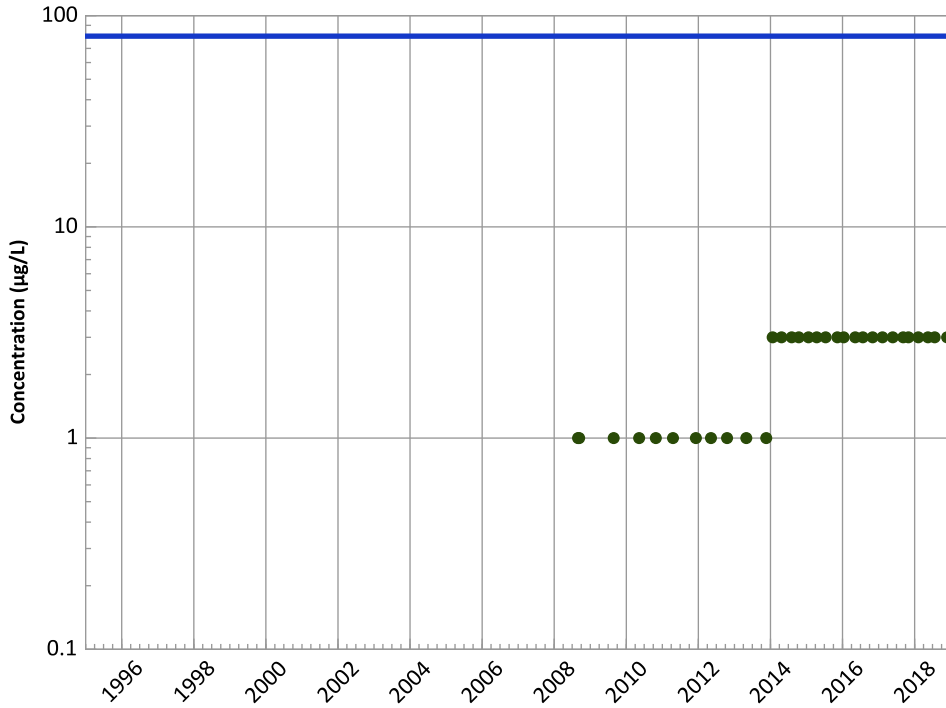
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

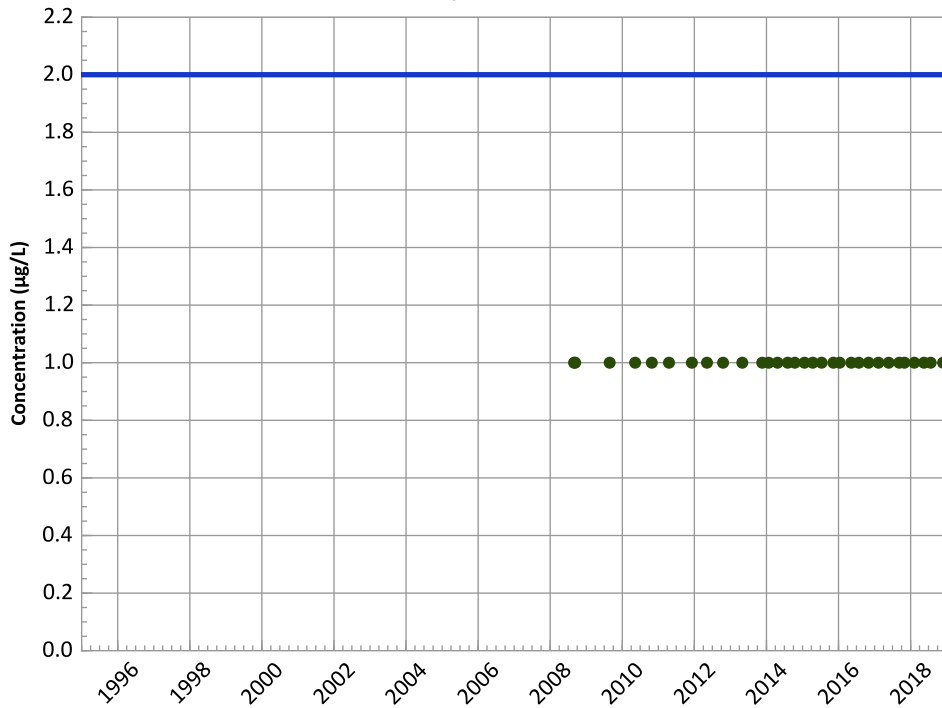


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Vinyl Chloride Trend

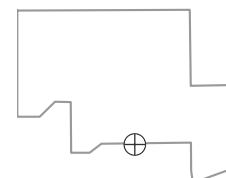


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

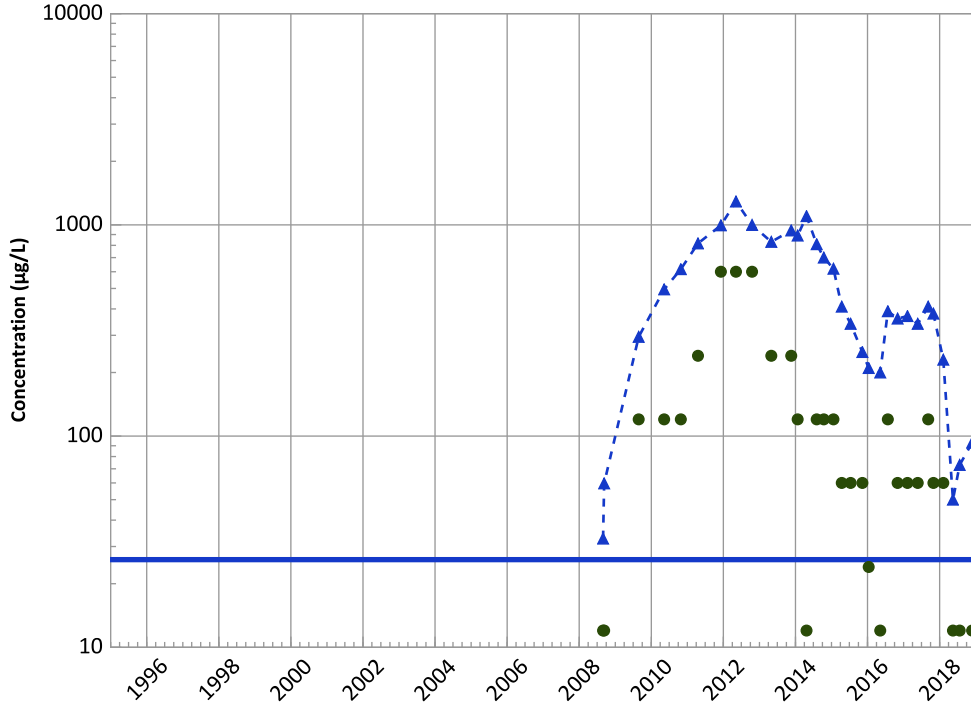


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

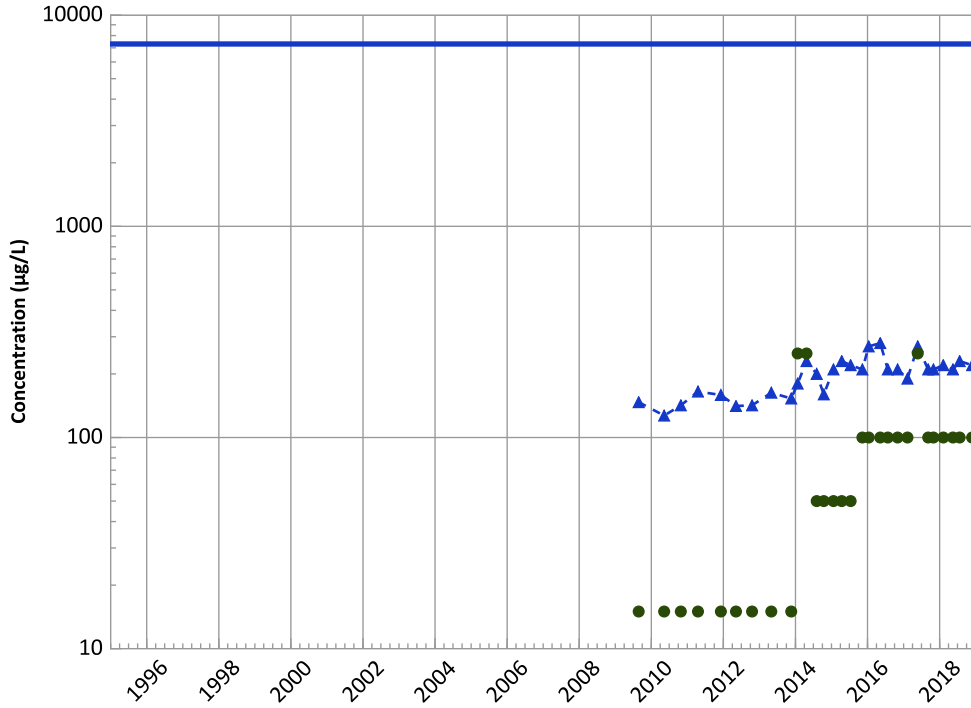
Data (2017 - 2021):

Decreasing

All Data:

Stable

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

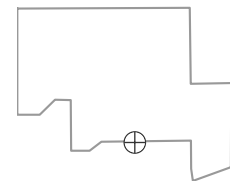
Data (2017 - 2021):

Increasing

All Data:

Increasing

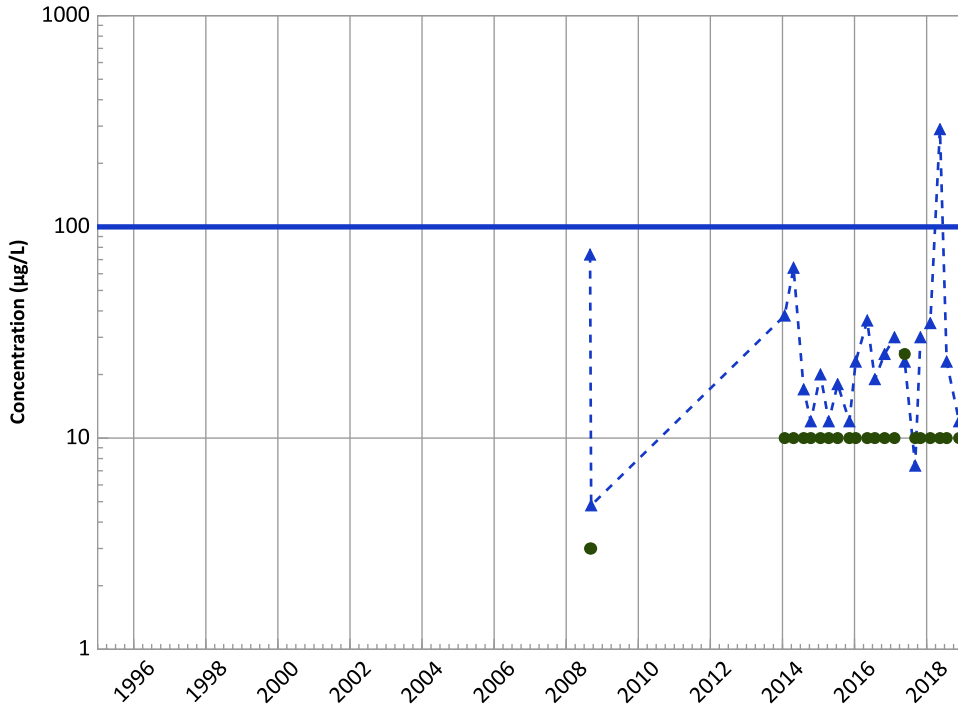
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**

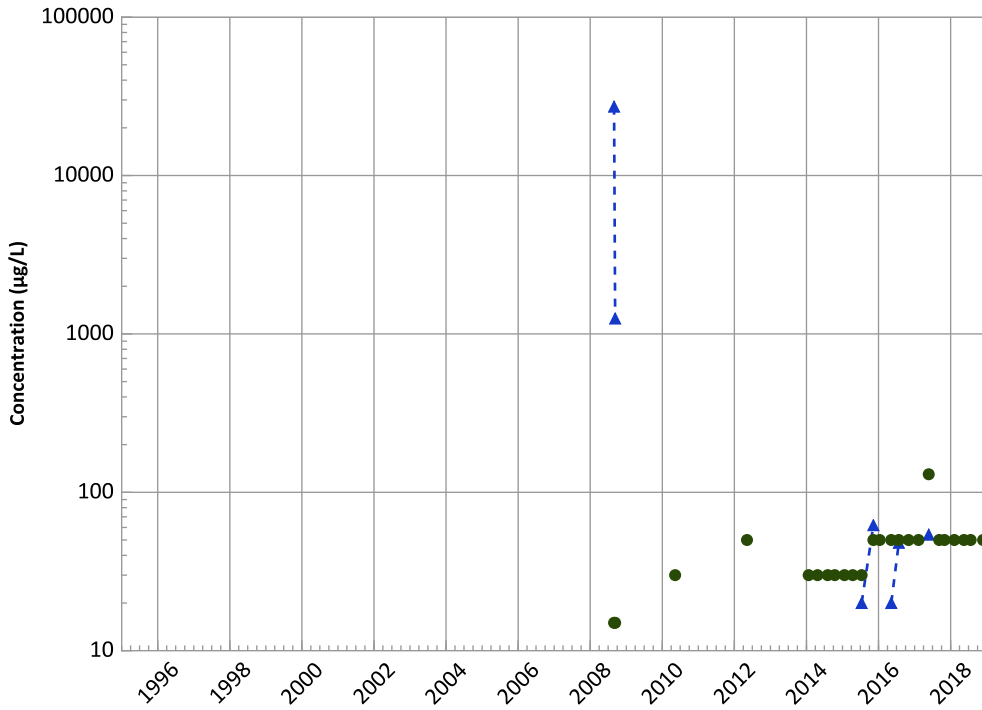


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

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

Aluminum Trend



Concentration Trend

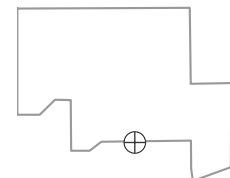
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
No Trend

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

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

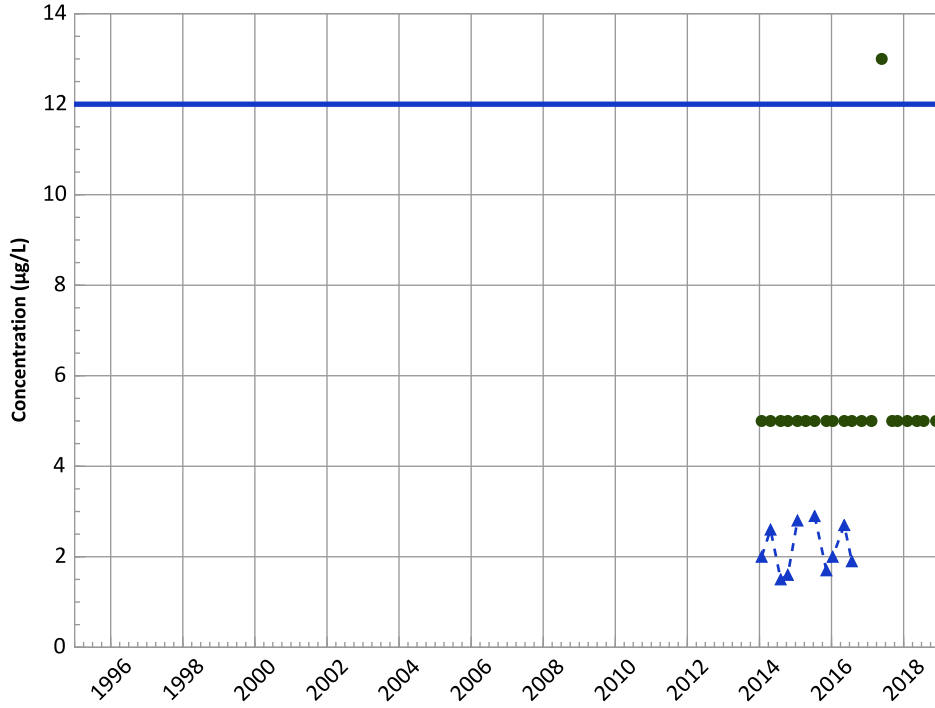
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend

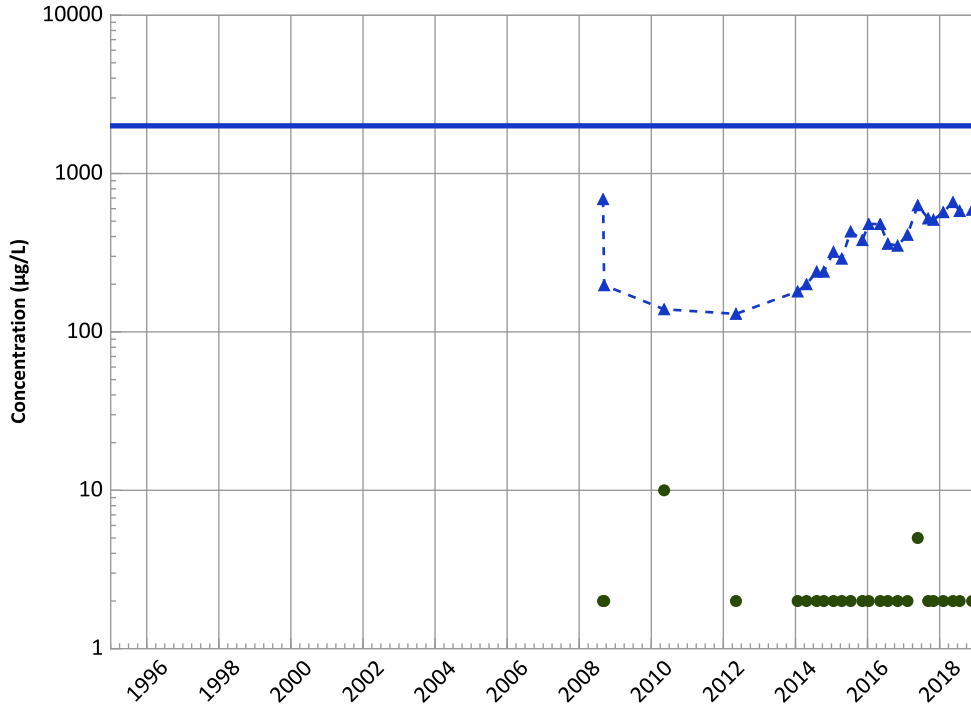


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

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

Barium Trend



Concentration Trend

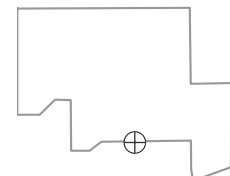
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

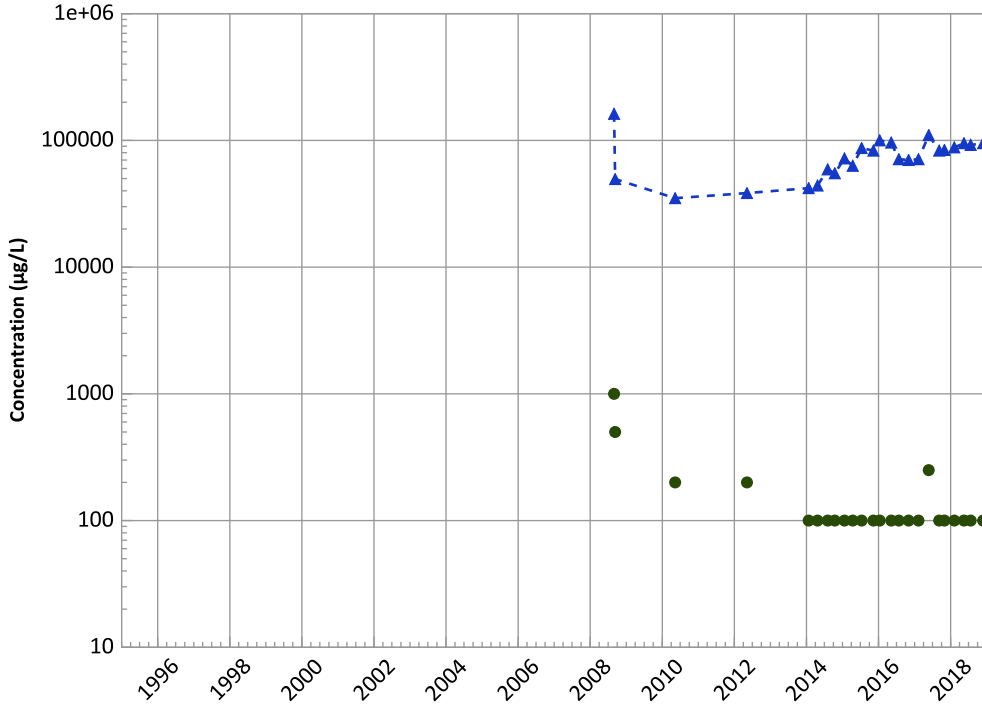
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

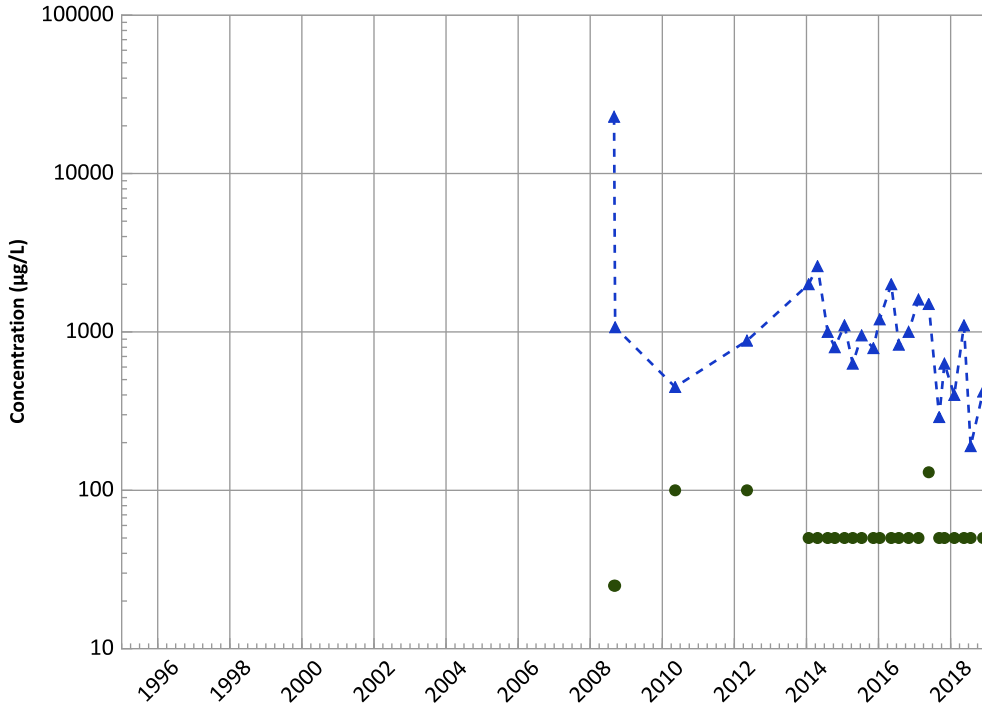
Data (2017 - 2021):

Increasing

All Data:

Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

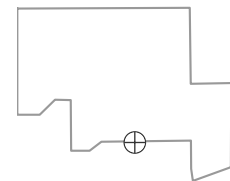
Data (2017 - 2021):

Stable

All Data:

Decreasing

Well Location

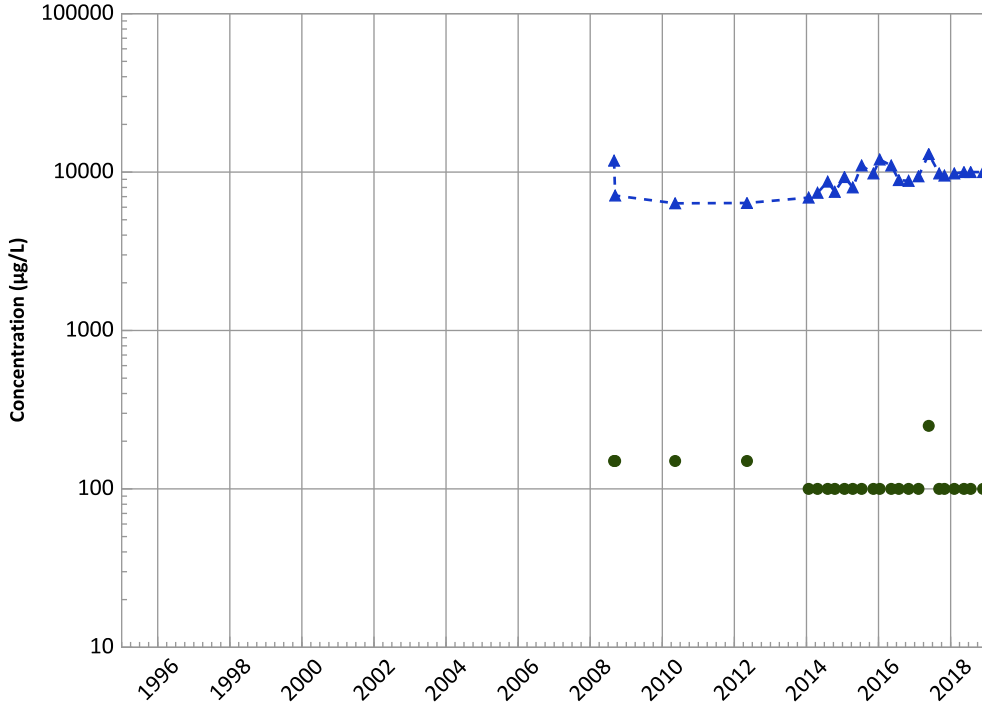


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

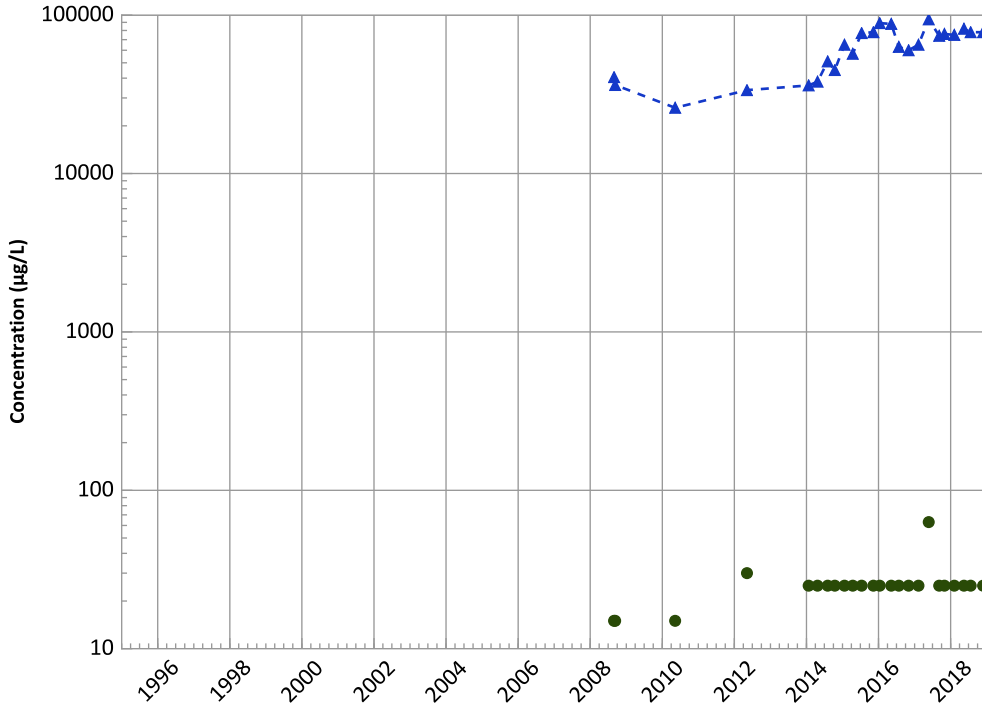
Data (2017 - 2021):

Increasing

All Data:

Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

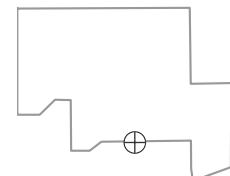
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

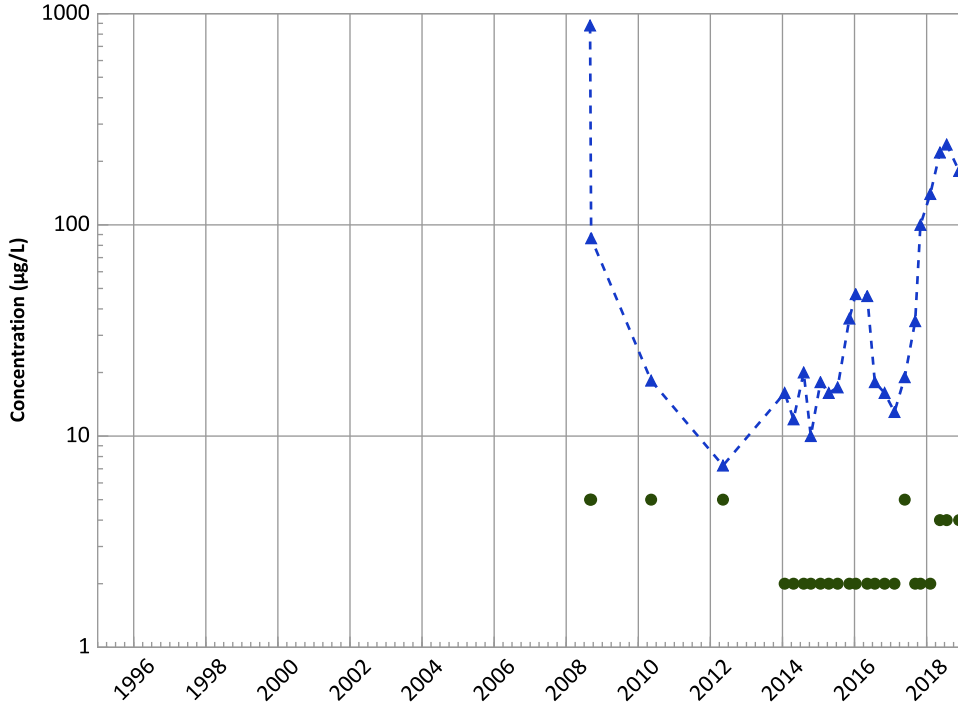


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

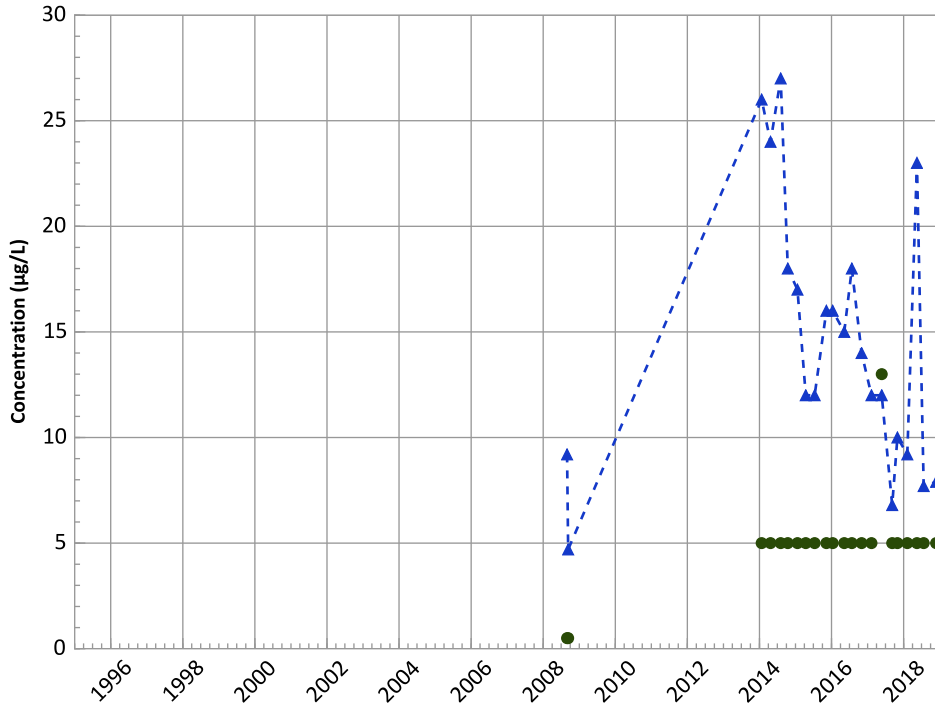
Data (2017 - 2021):

Increasing

All Data:

No Trend

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

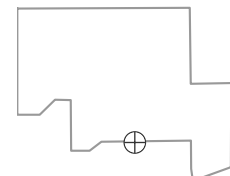
Data (2017 - 2021):

Decreasing

All Data:

No Trend

Well Location

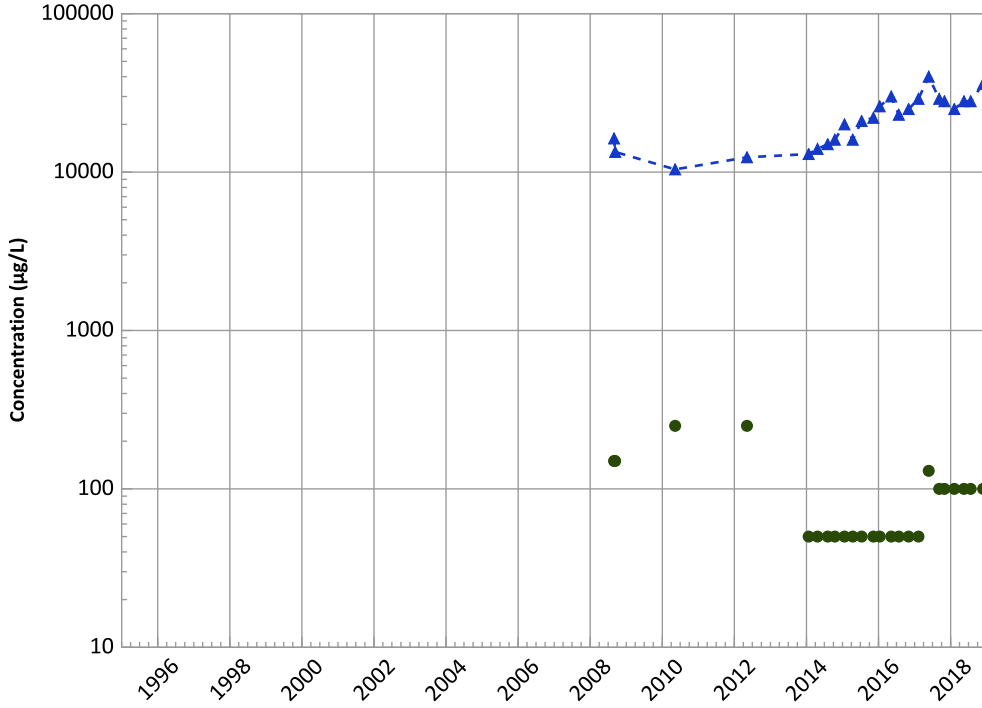


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

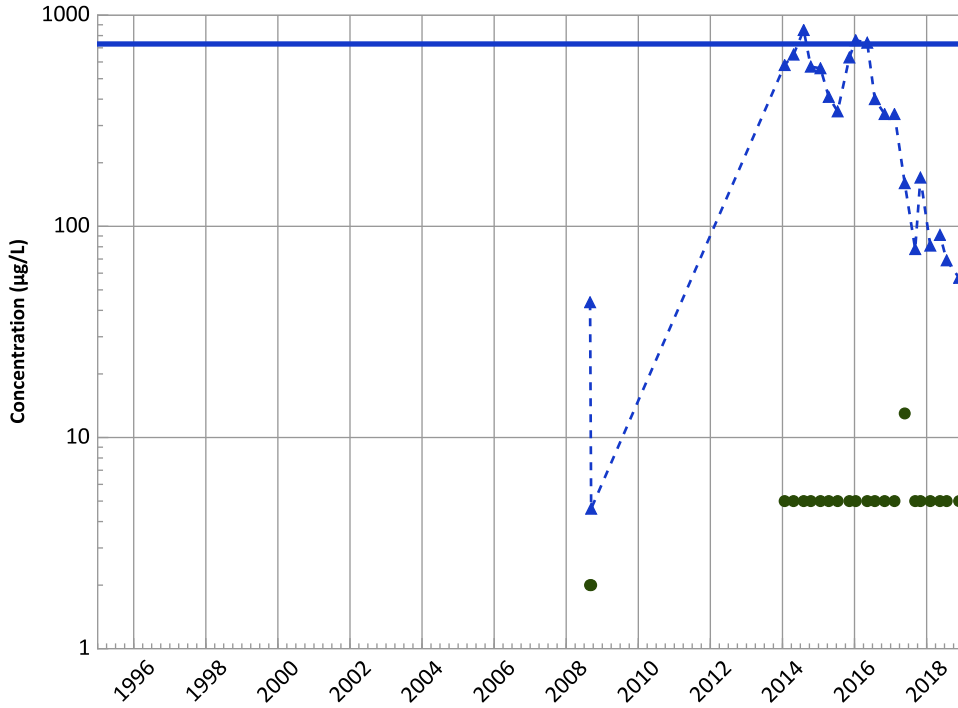
Data (2017 - 2021):

Increasing

All Data:

Increasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

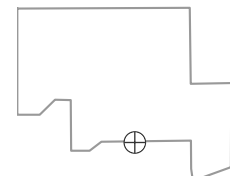
Data (2017 - 2021):

Stable

All Data:

No Trend

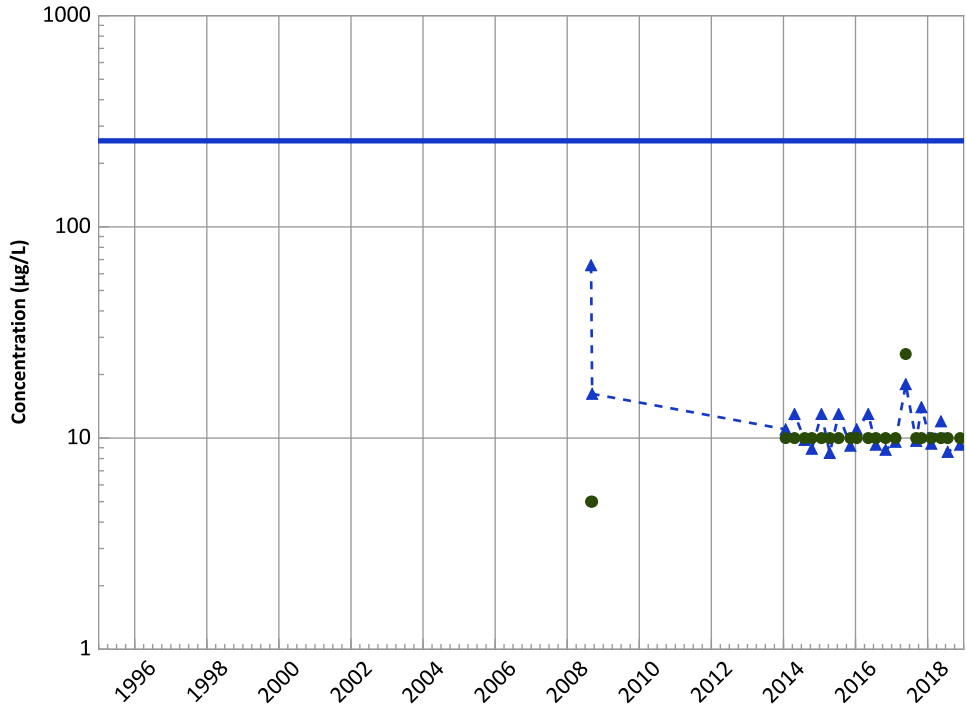
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Vanadium Trend

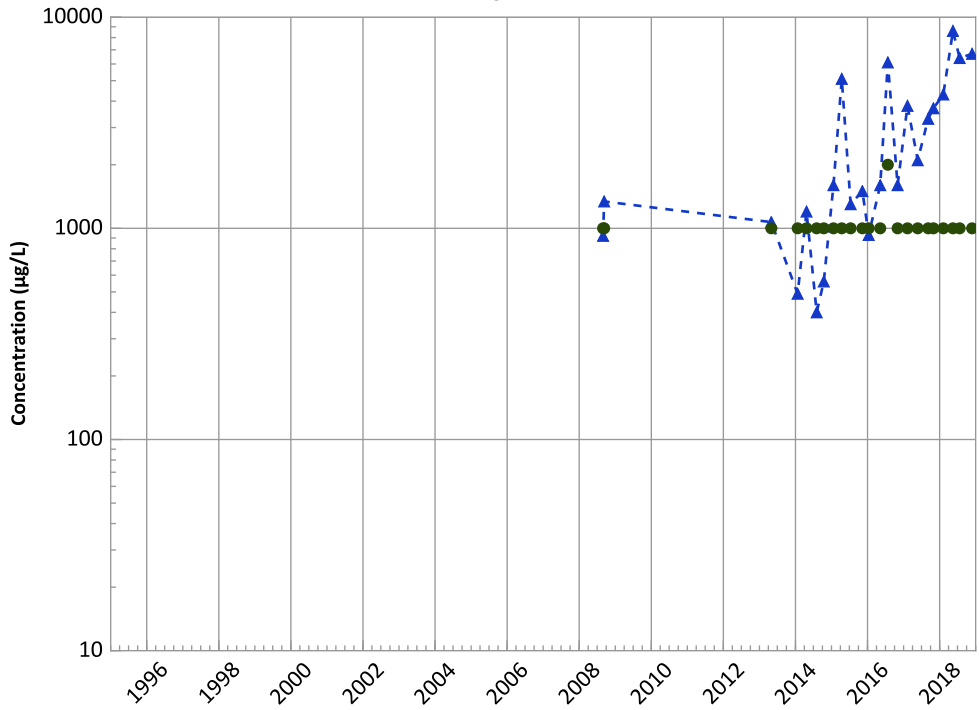


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 Decreasing
 All Data:
 Decreasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 Stable
 All Data:
 Decreasing

Total Organic Carbon Trend

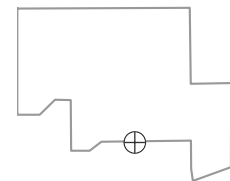


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 Increasing
 All Data:
 Increasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 Increasing
 All Data:
 Increasing

Well Location

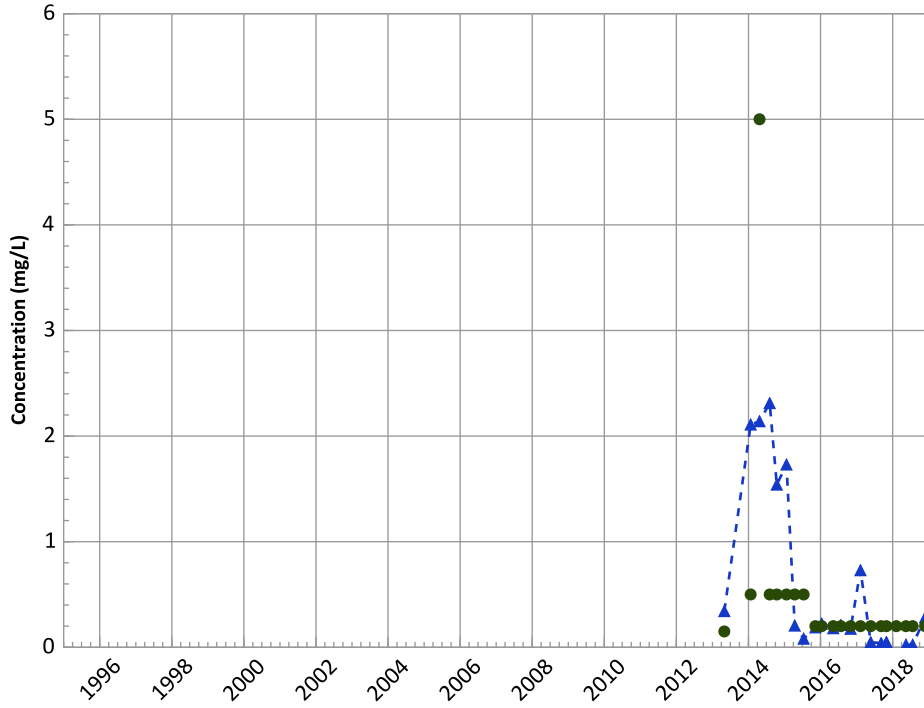


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/30/2008 to 11/26/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1148 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

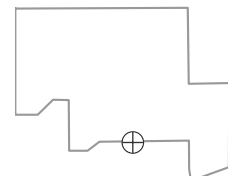
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

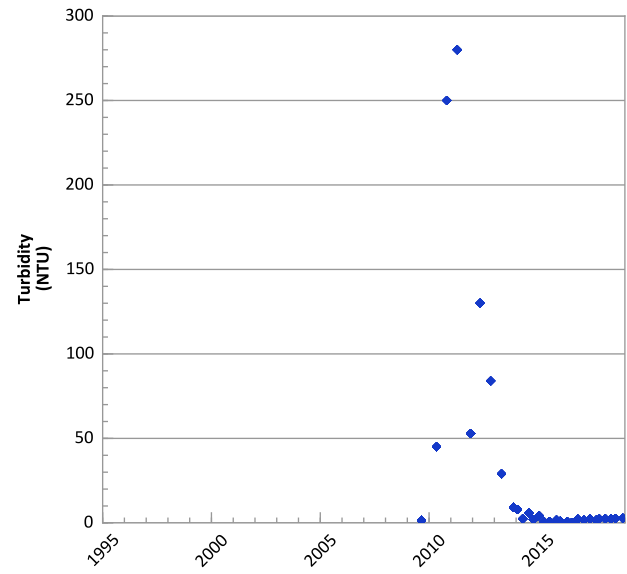
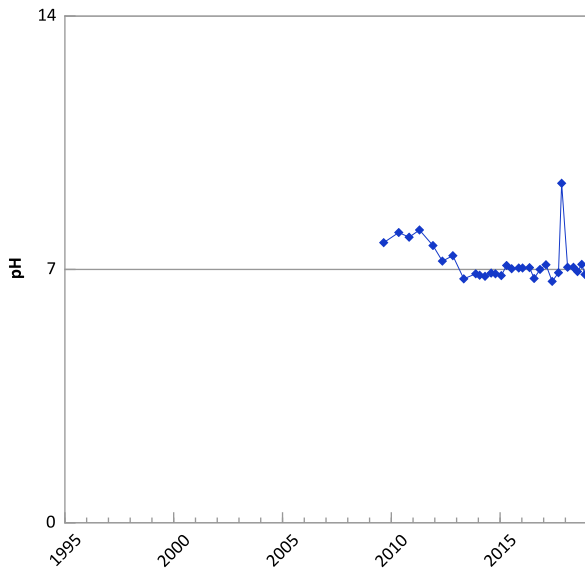
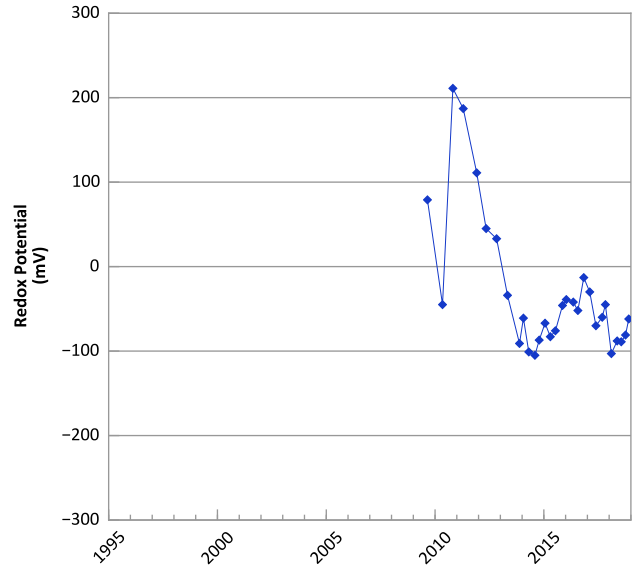
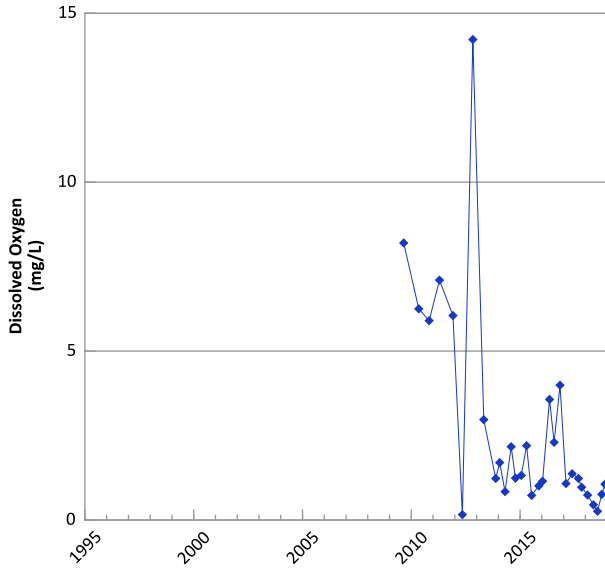
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

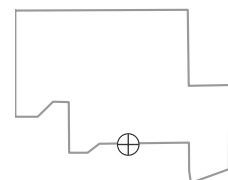


**PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



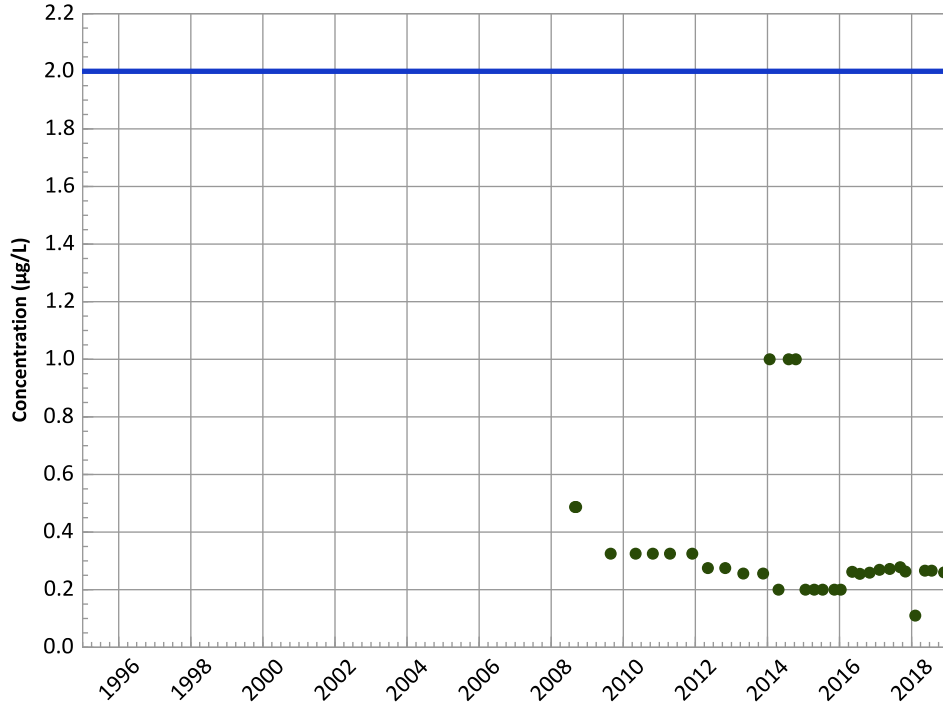
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/30/2008 to 11/26/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

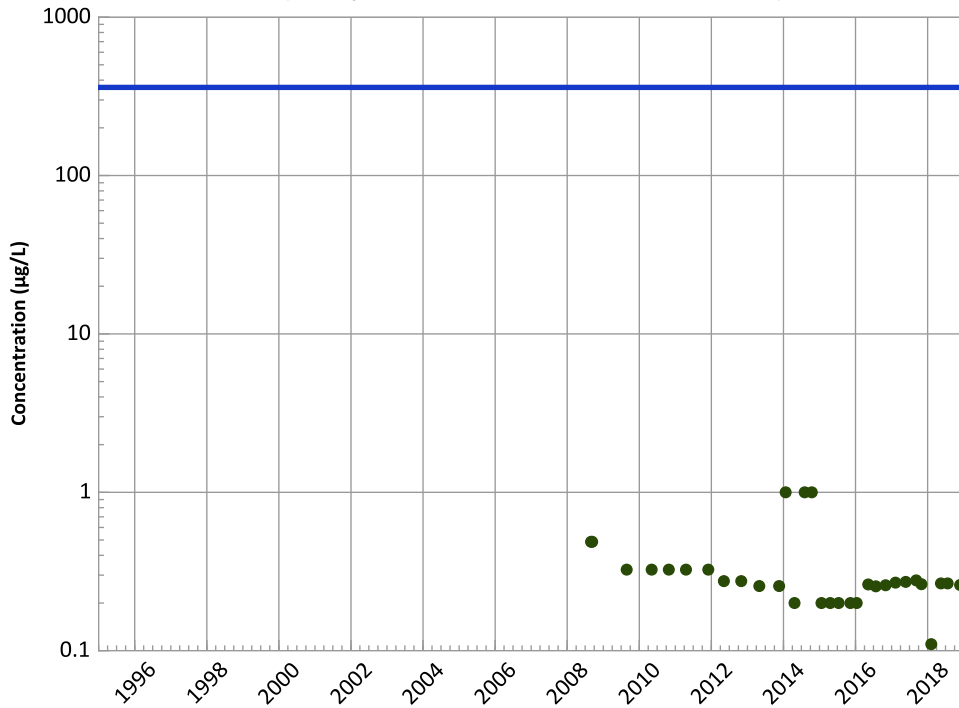


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

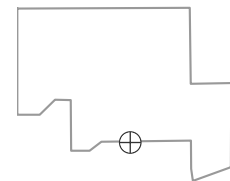


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

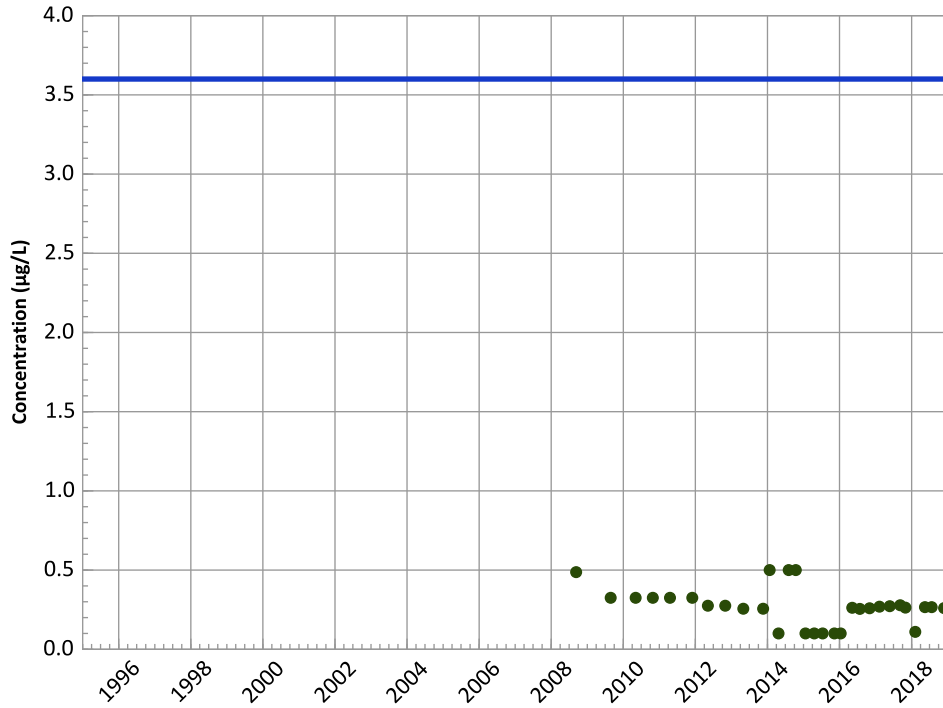


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

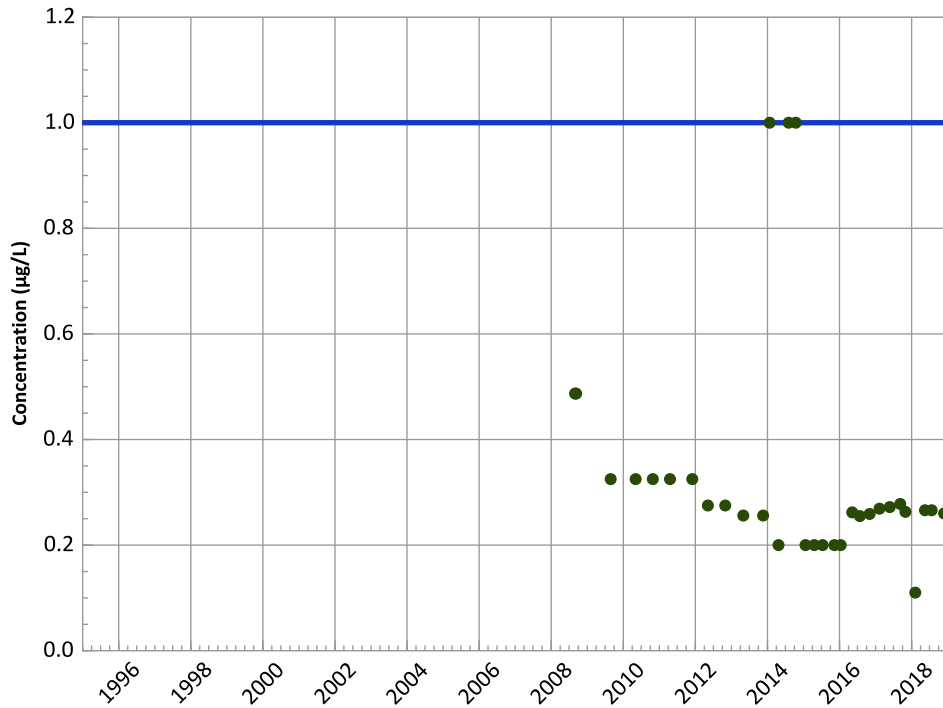
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

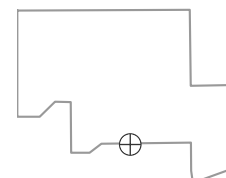
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

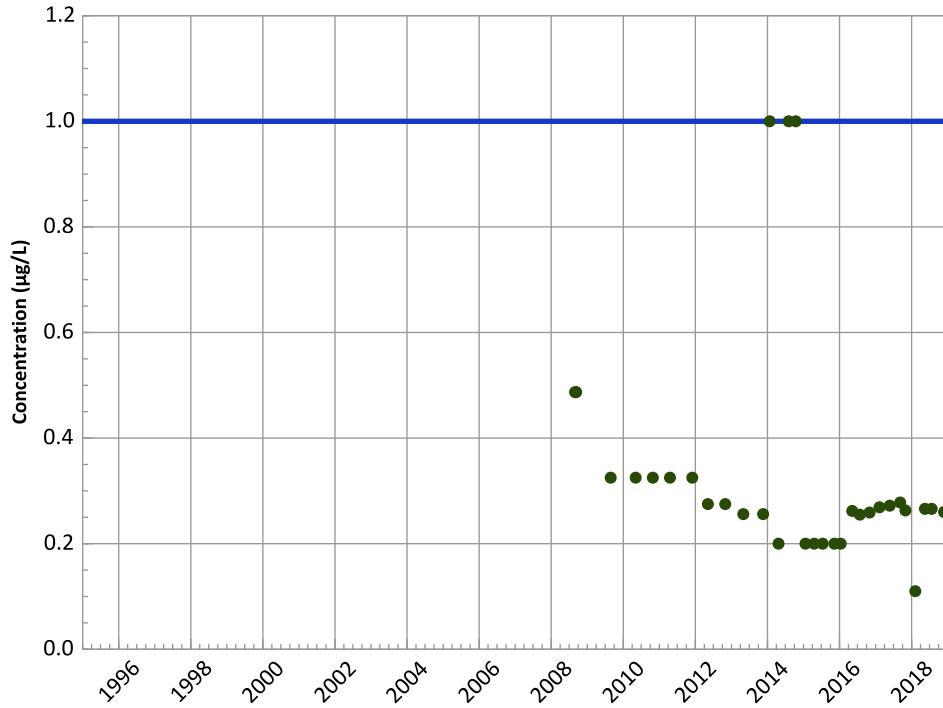


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

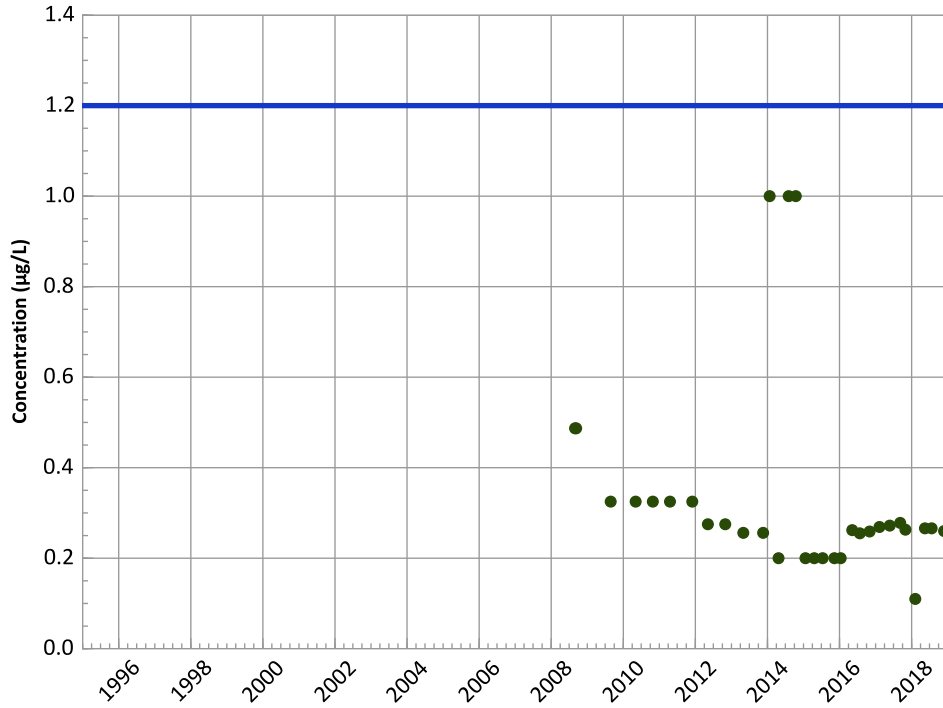
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

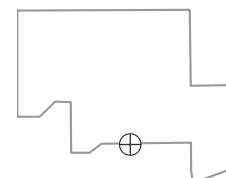
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

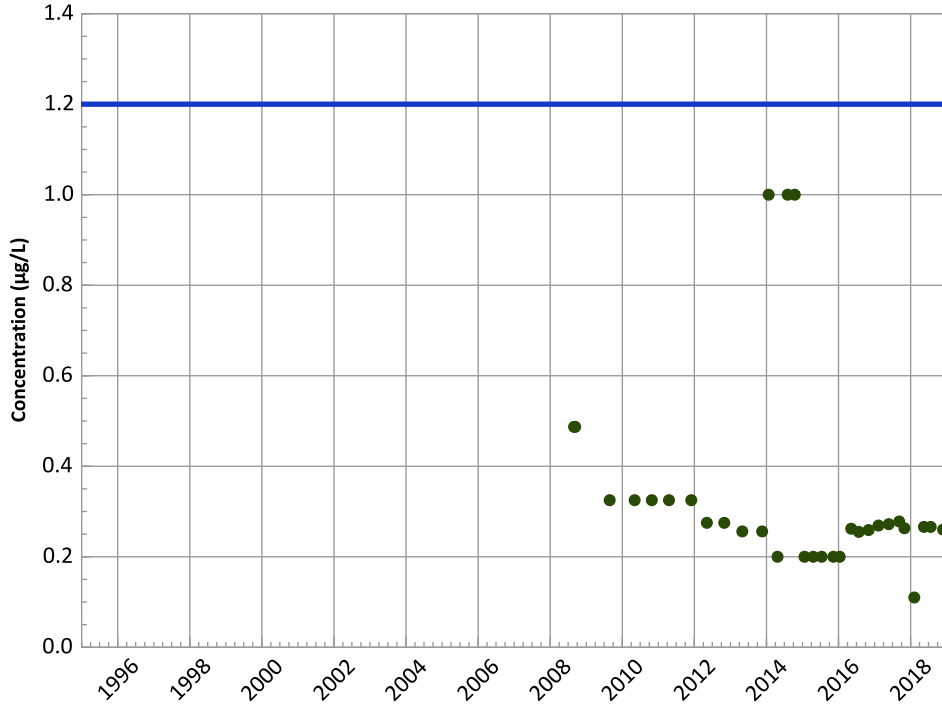


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

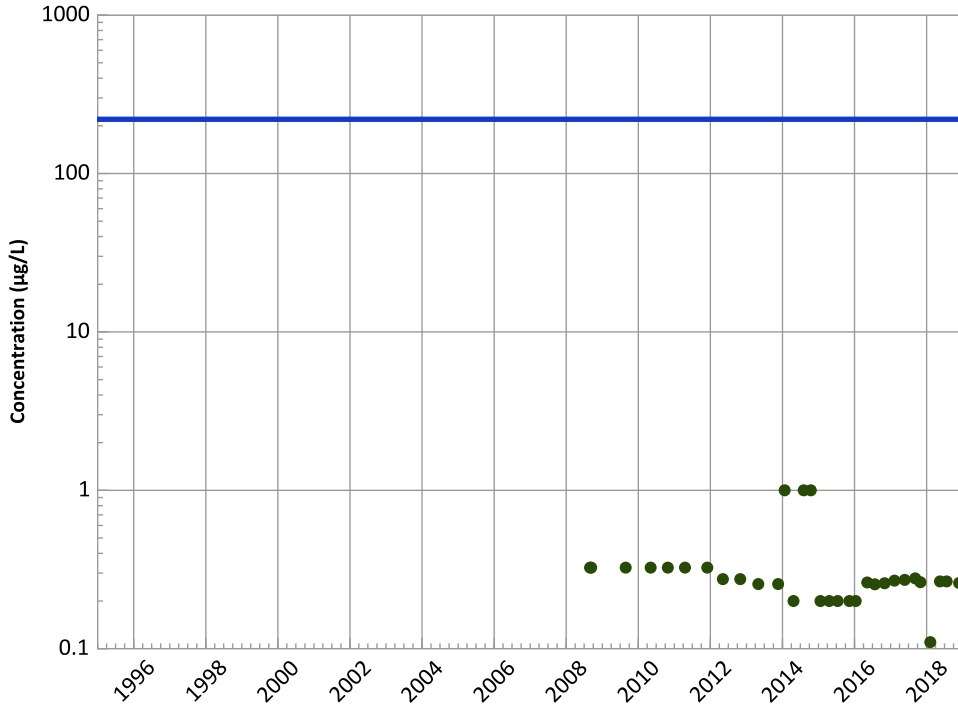
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

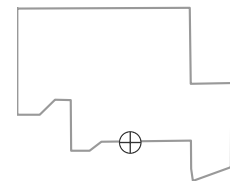
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

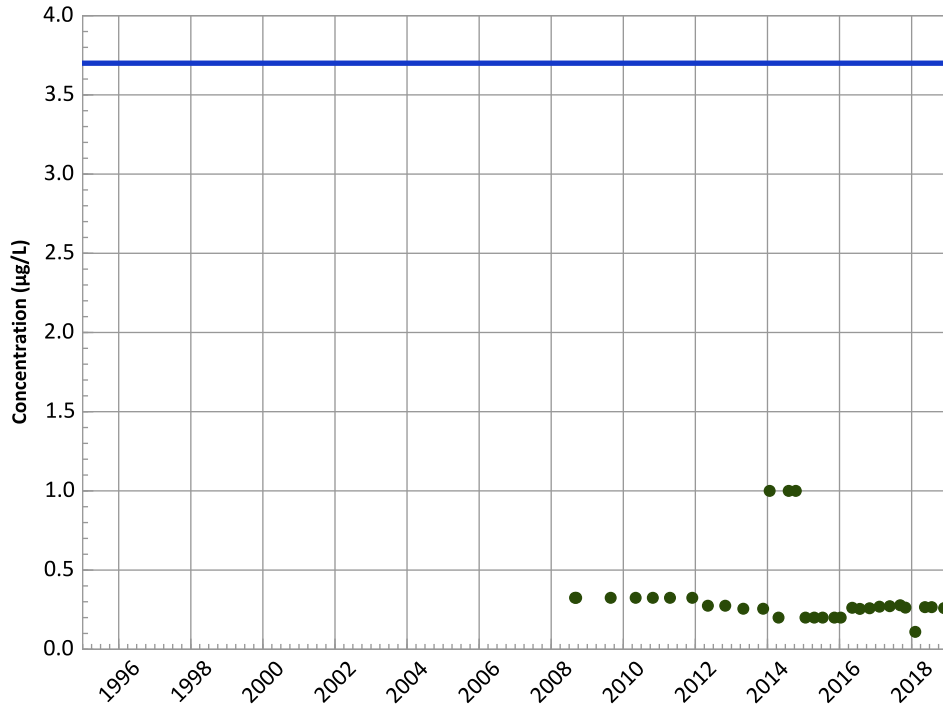
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**

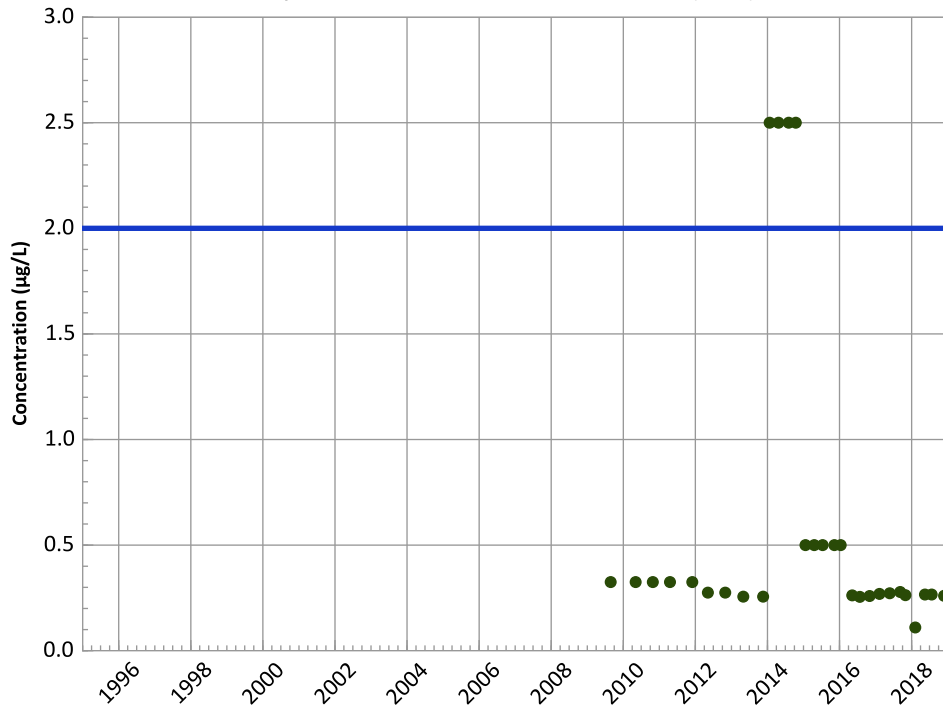


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

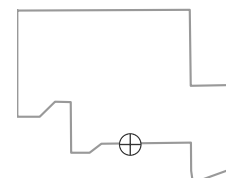
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

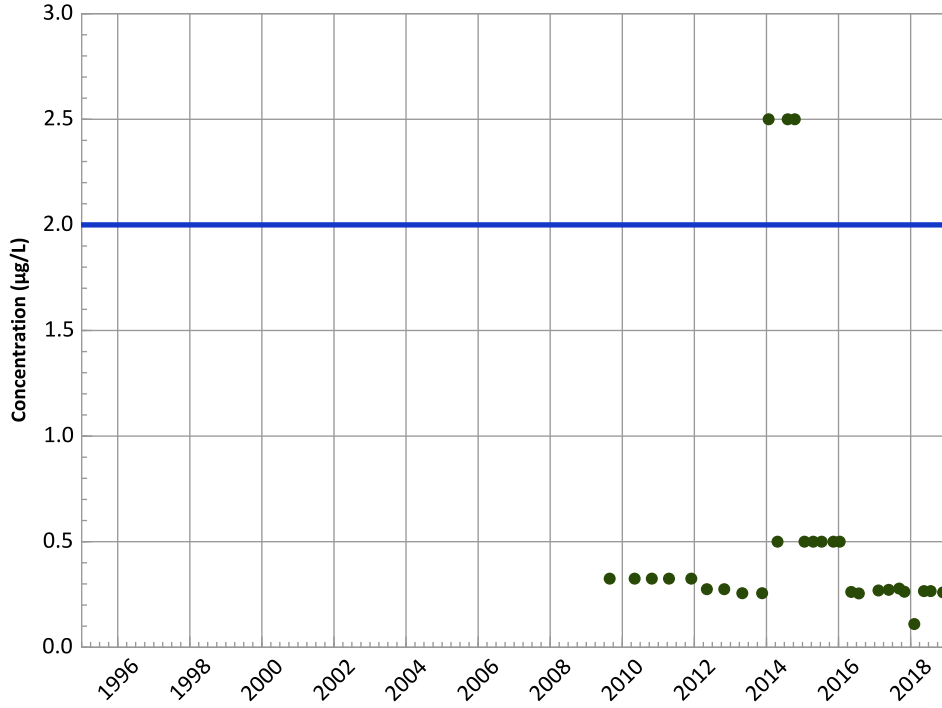
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

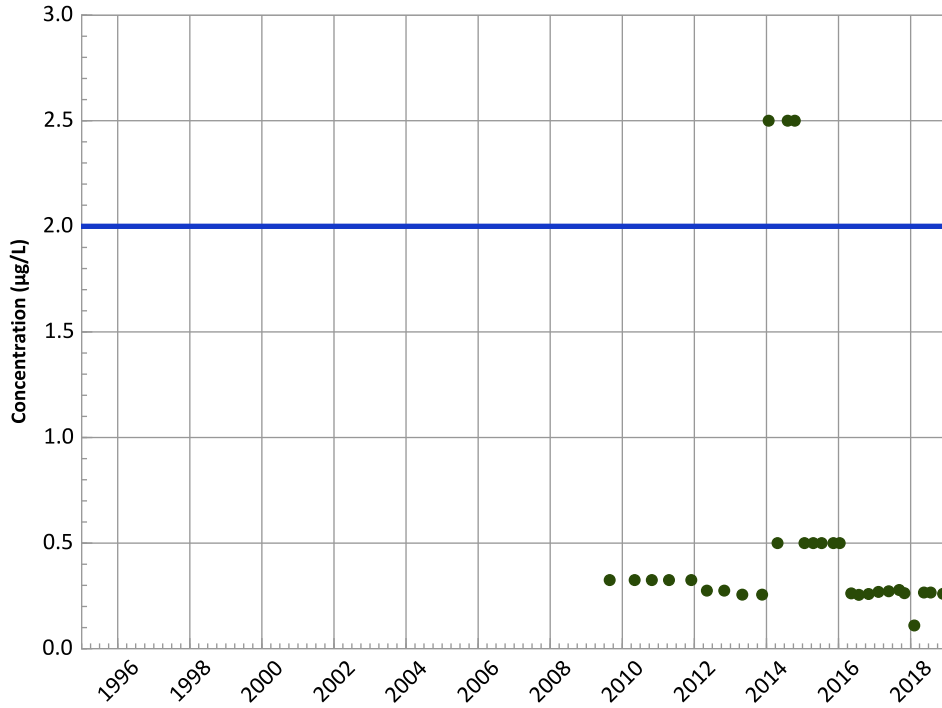
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

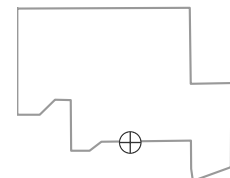
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

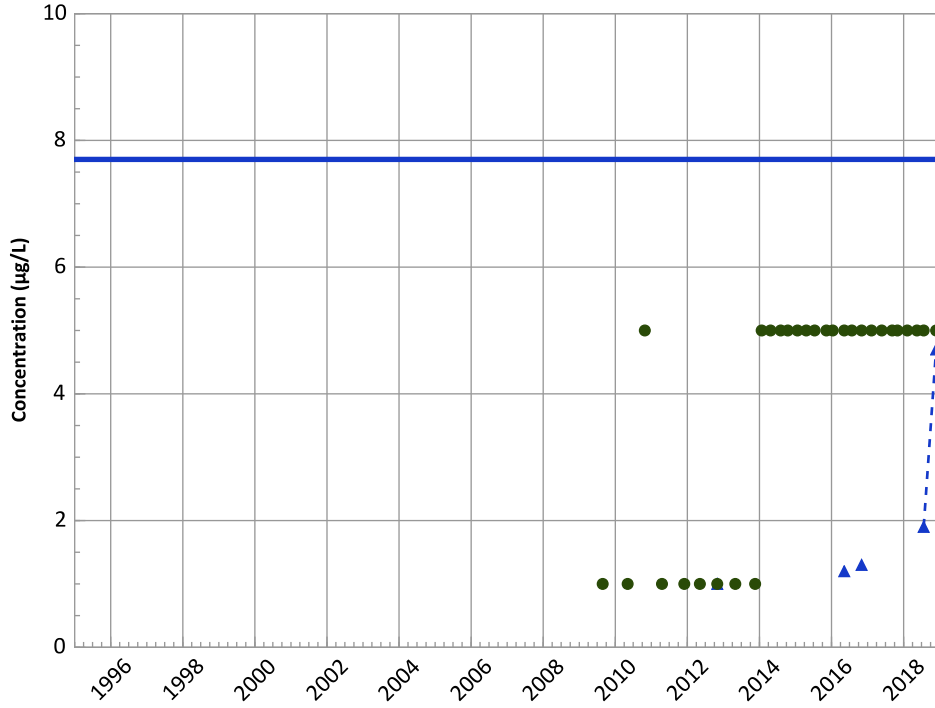
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

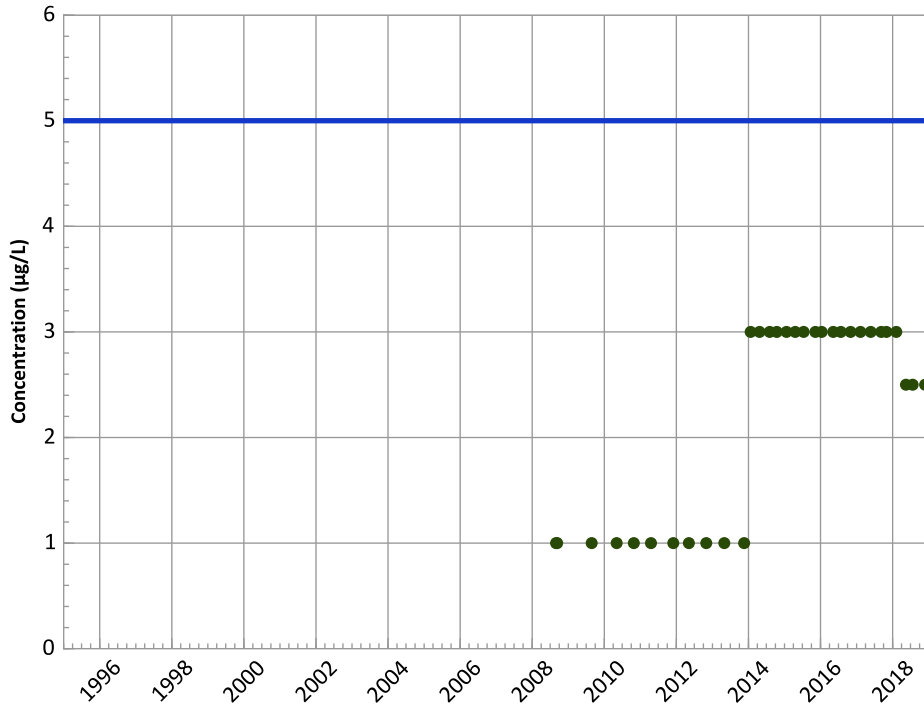


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Increasing

Tetrachloroethylene (PCE) Trend

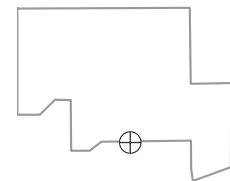


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

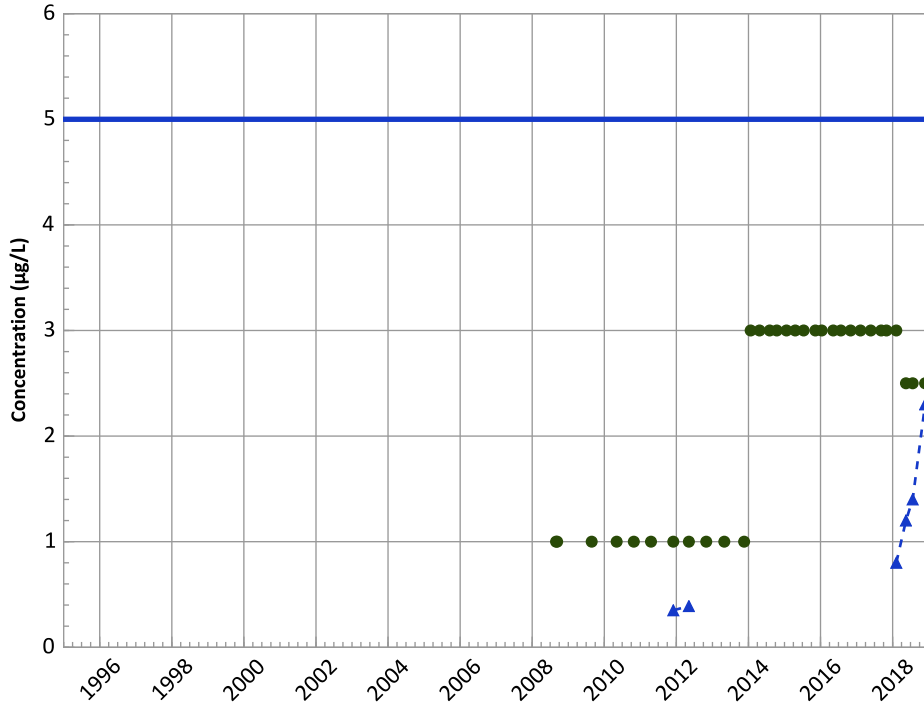


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

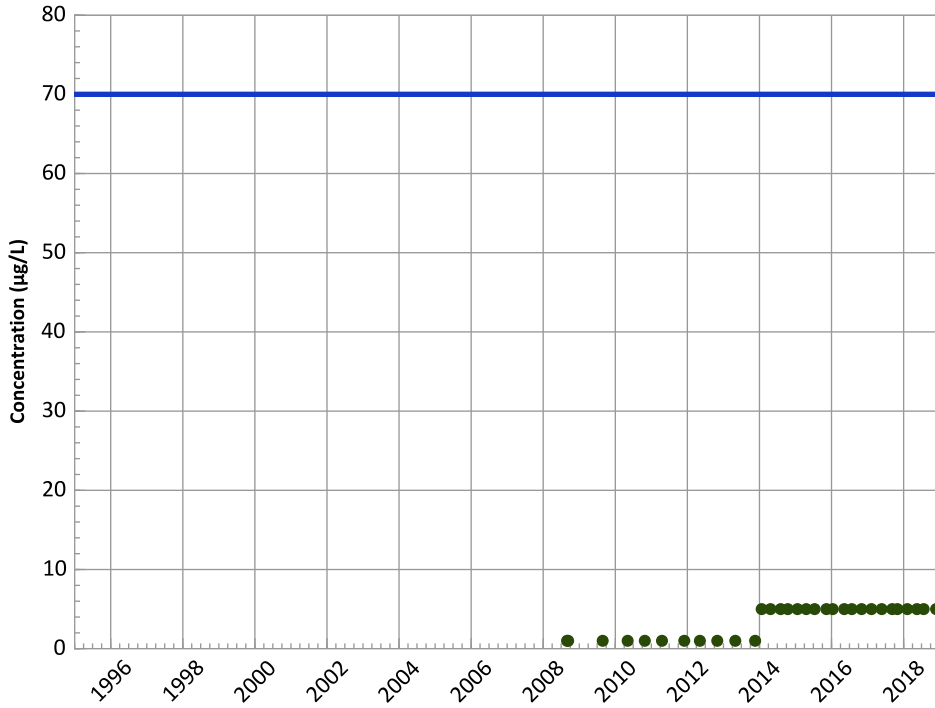


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

cis-1,2-Dichloroethene Trend

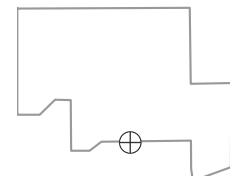


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

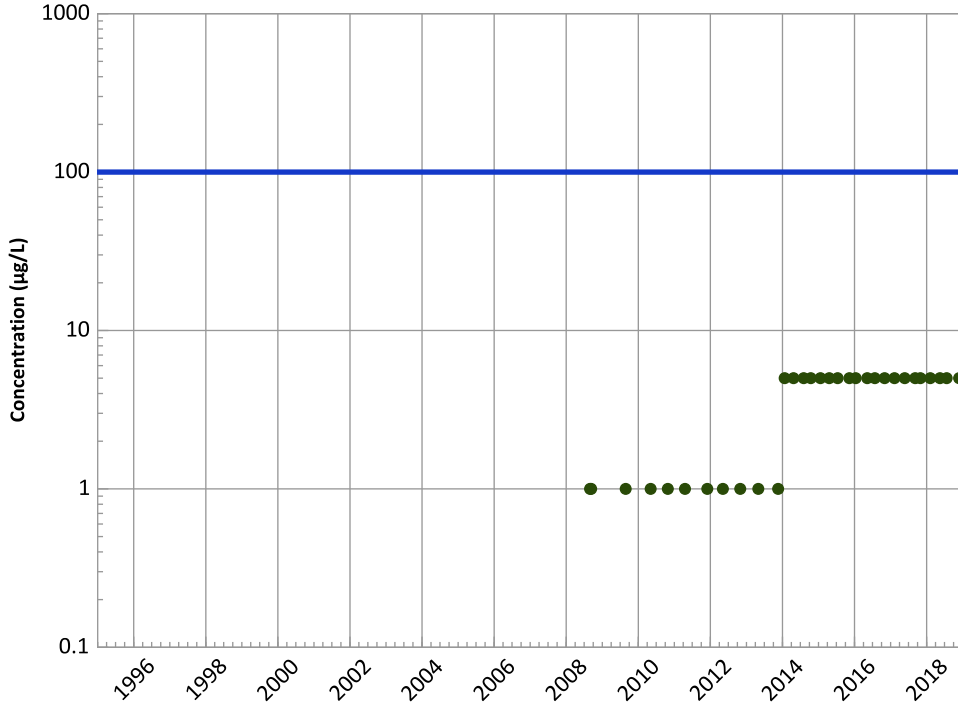


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

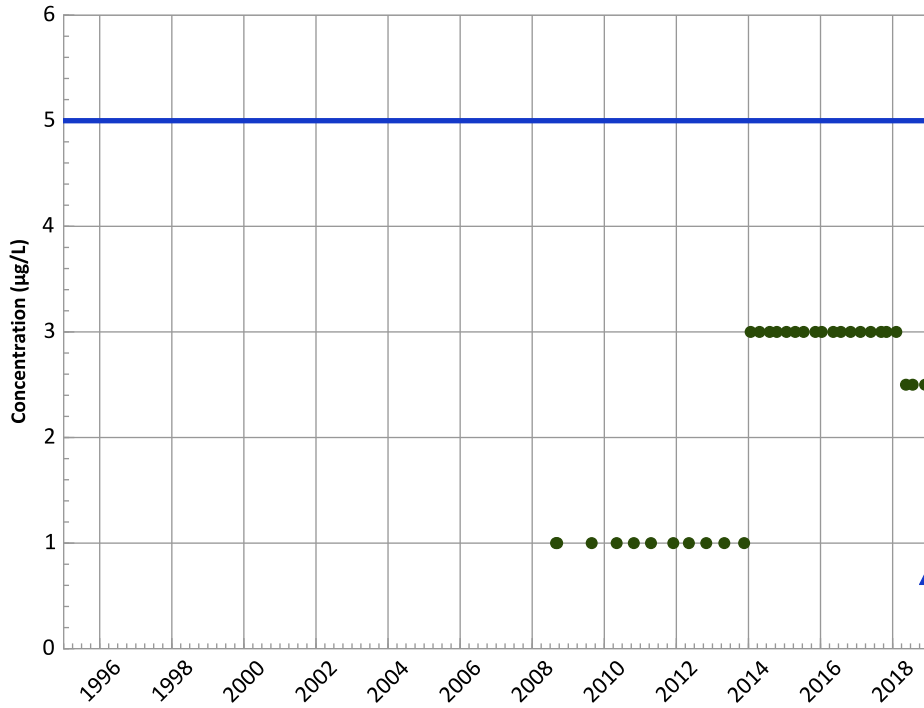
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

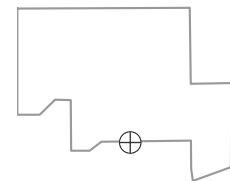
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

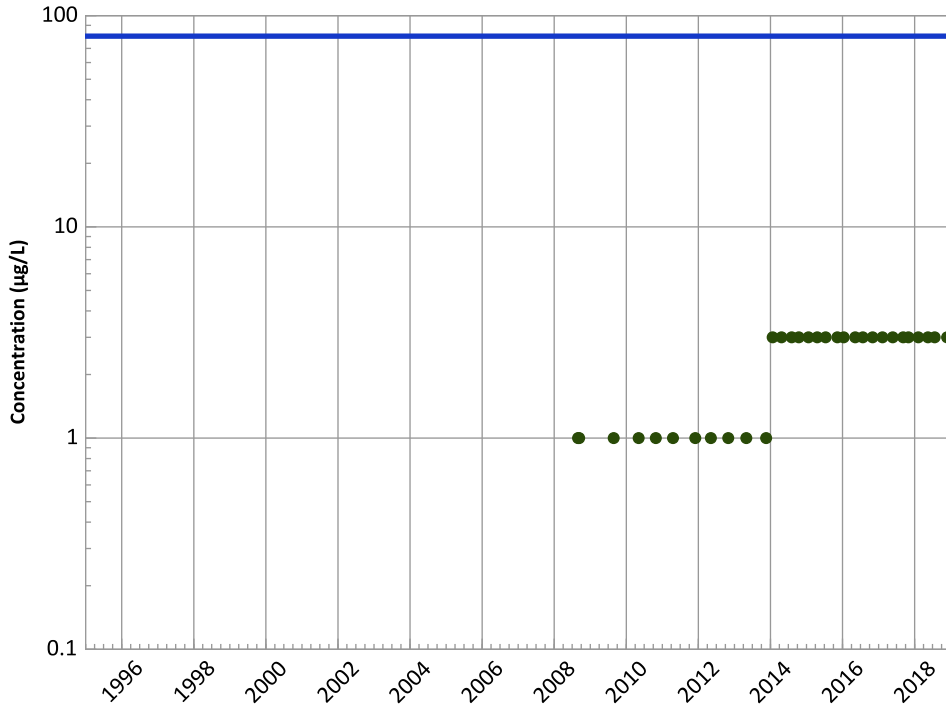
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

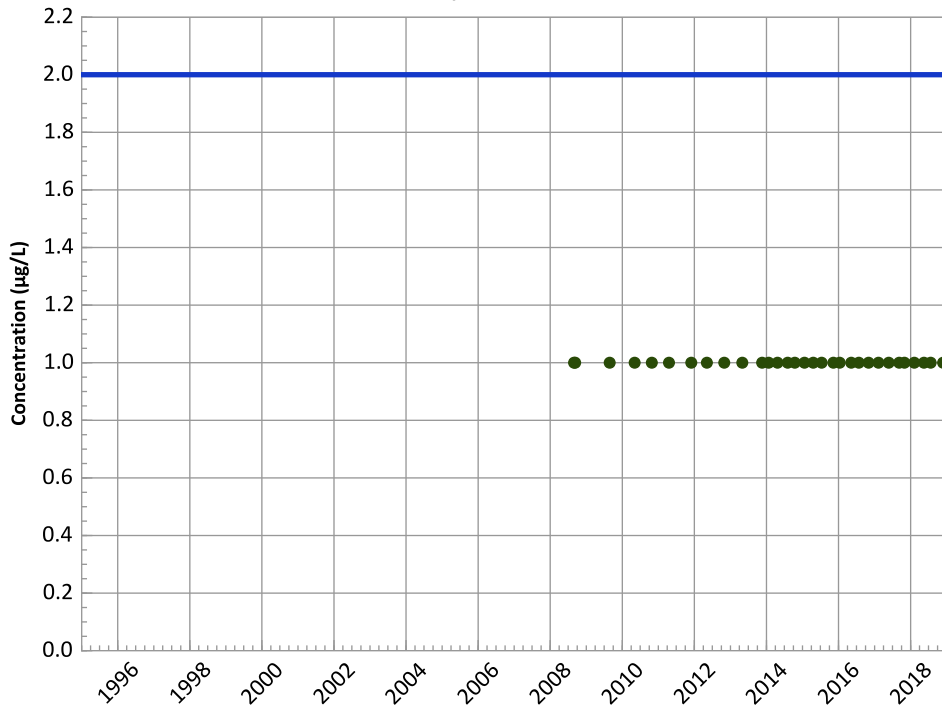


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Vinyl Chloride Trend

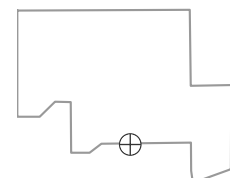


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

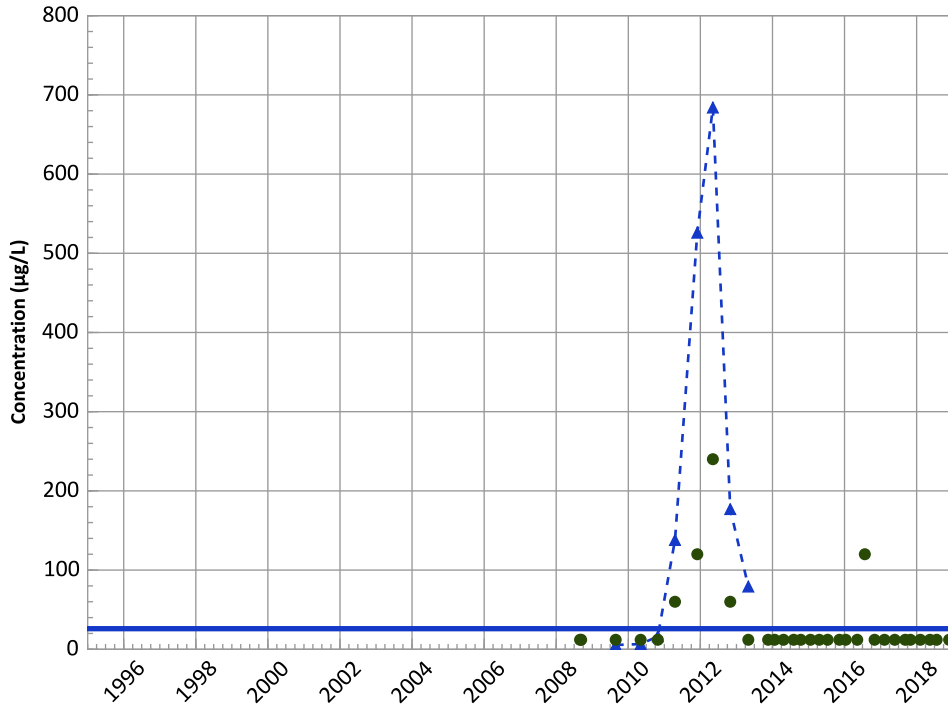
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

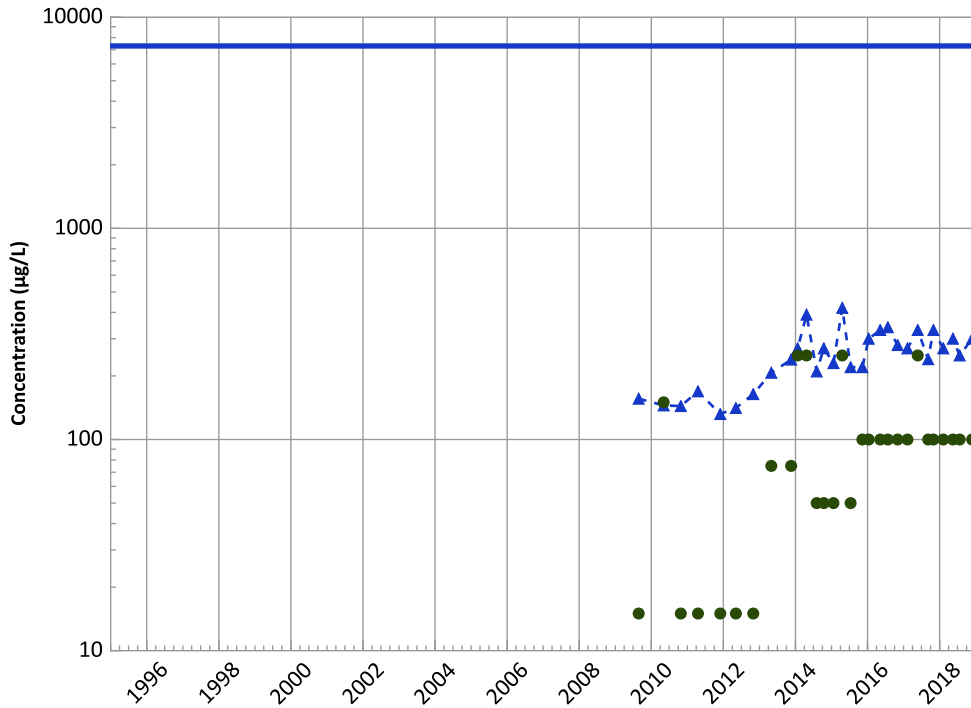


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Boron Trend

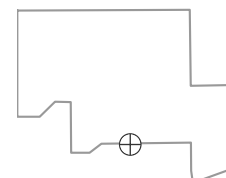


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Well Location

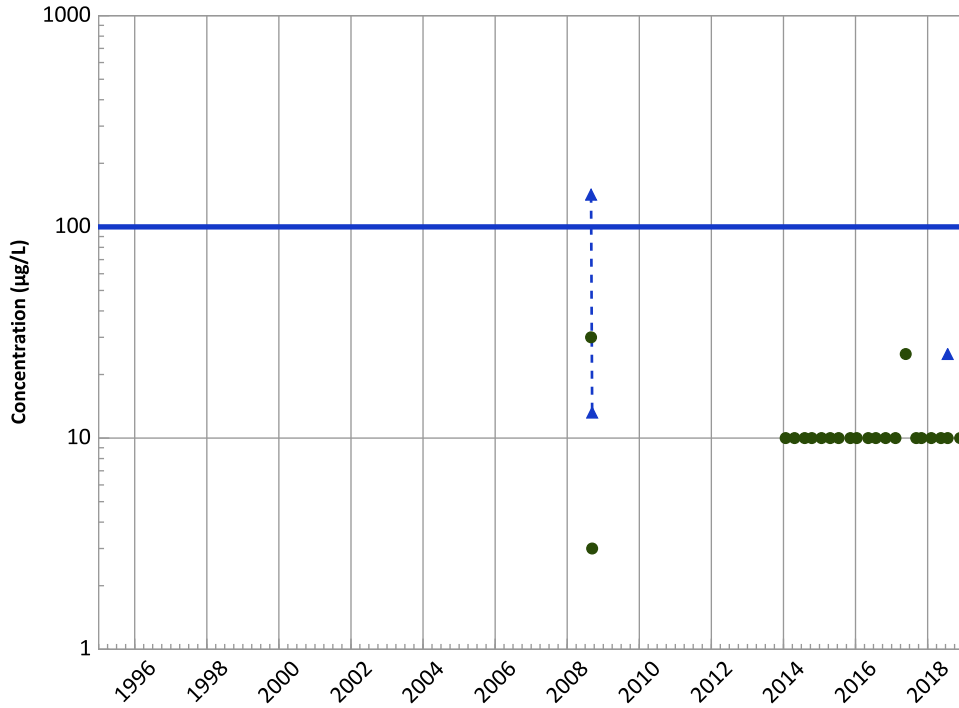


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

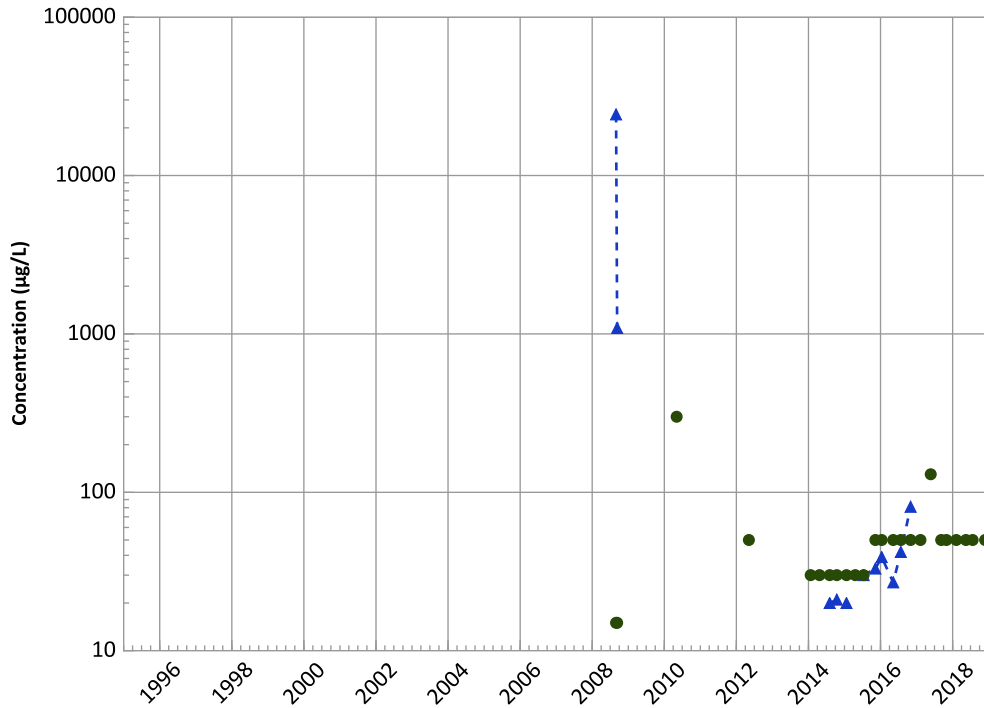
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

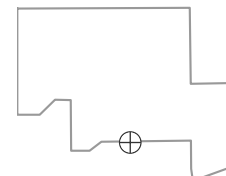
Data (2017 - 2021):

Increasing

All Data:

Decreasing

Well Location

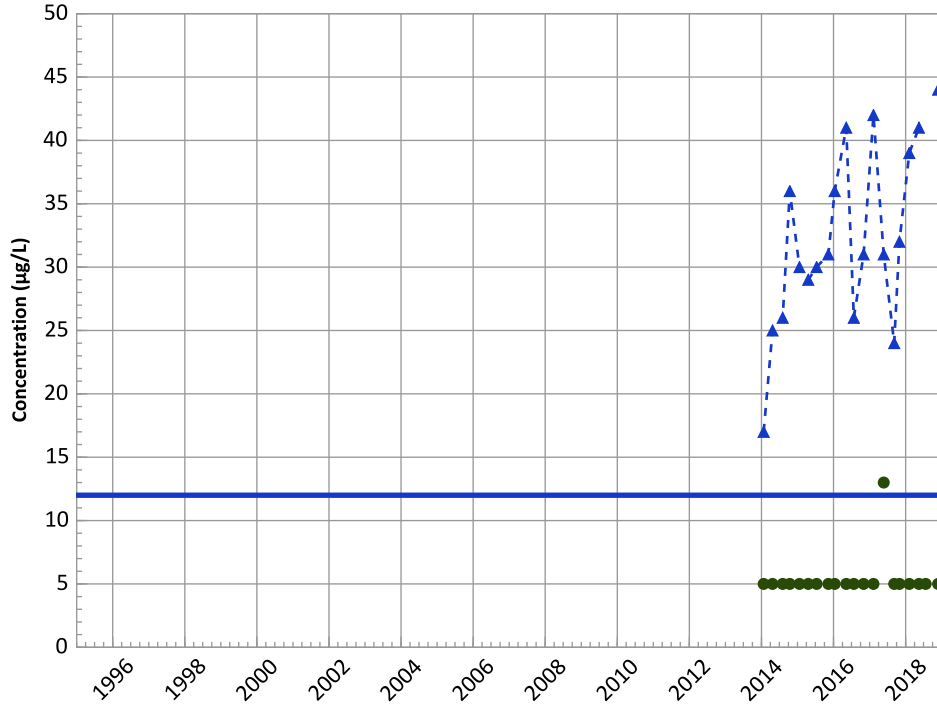


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

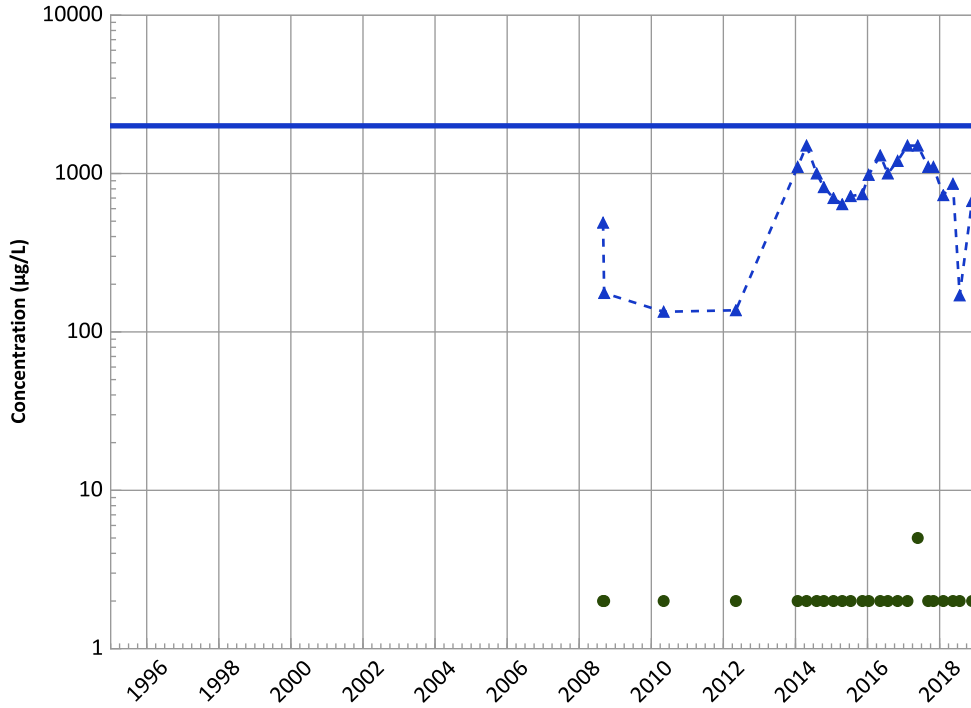
Data (2017 - 2021):

Increasing

All Data:

Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

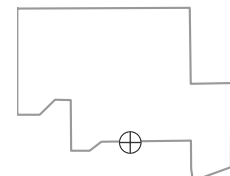
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

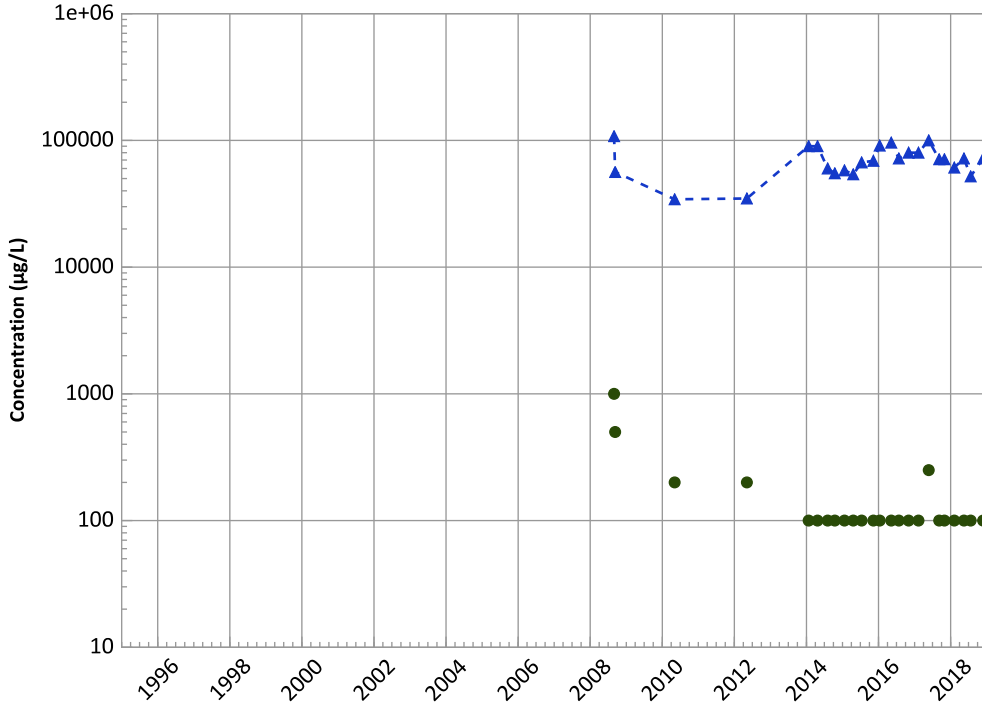
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

MAROS Linear Regression Method

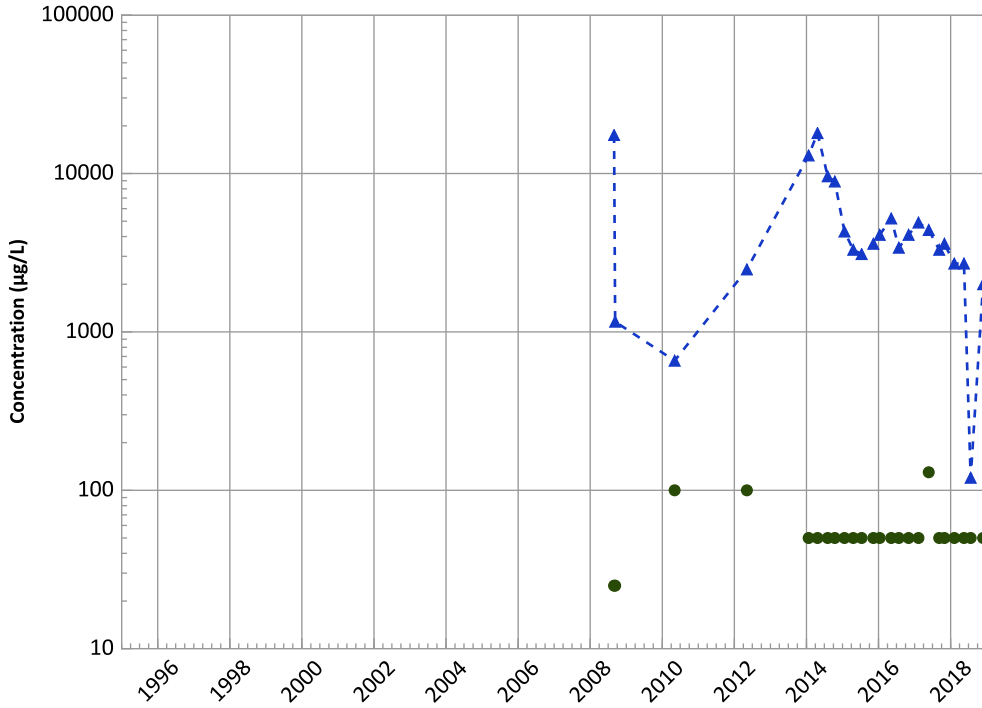
Data (2017 - 2021):

Increasing

All Data:

No Trend

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

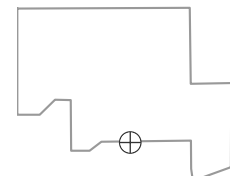
Data (2017 - 2021):

Stable

All Data:

Stable

Well Location

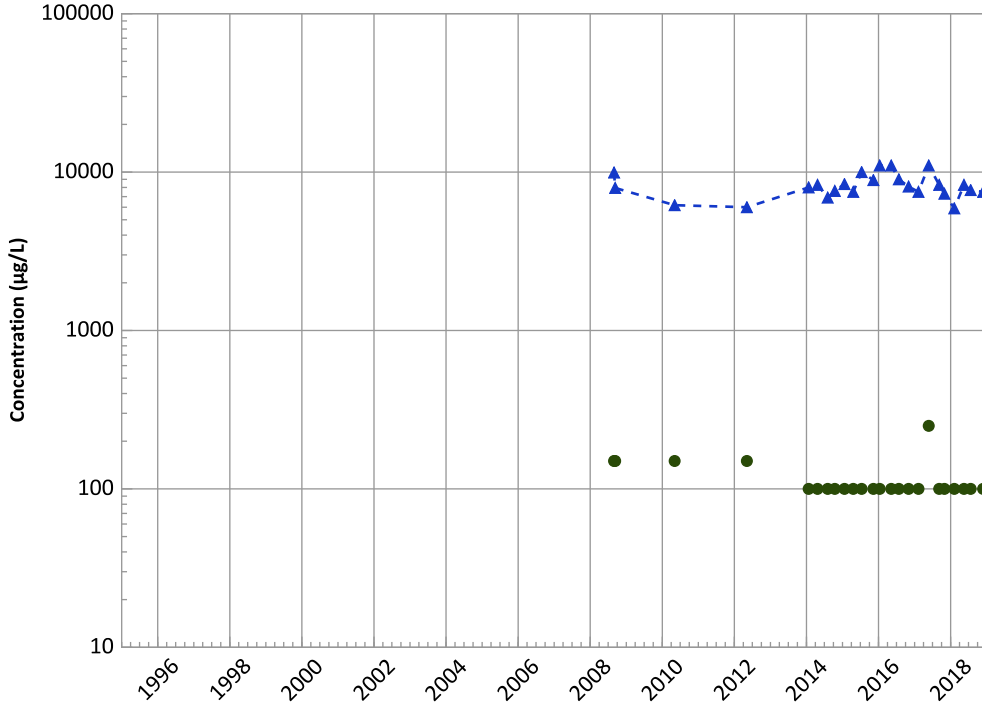


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

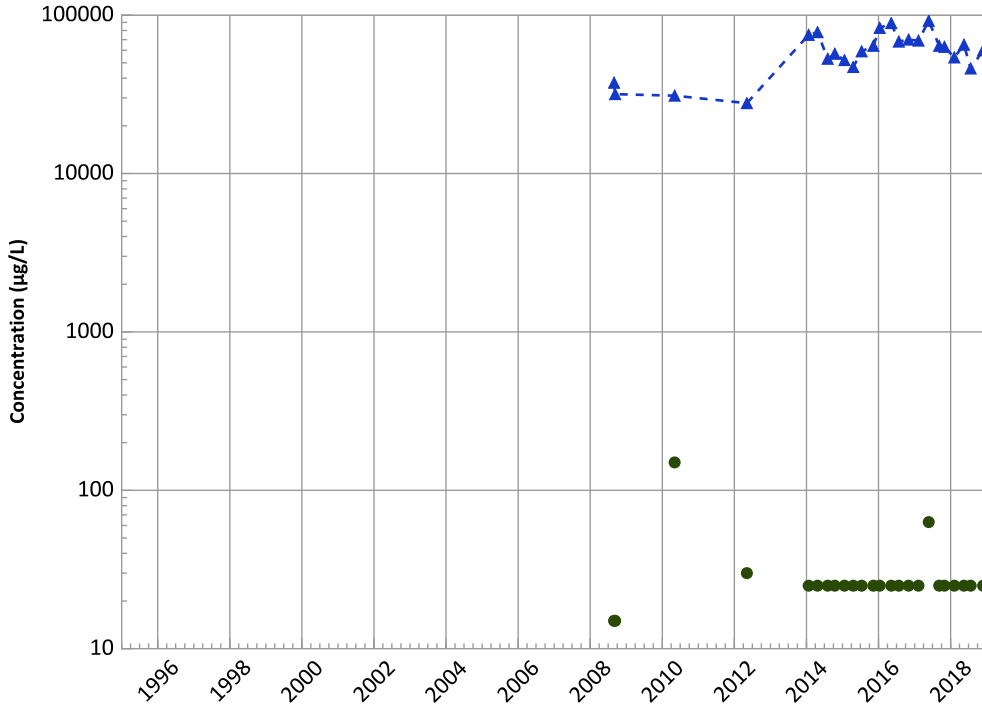
Data (2017 - 2021):

Increasing

All Data:

No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

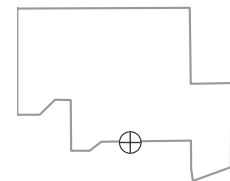
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

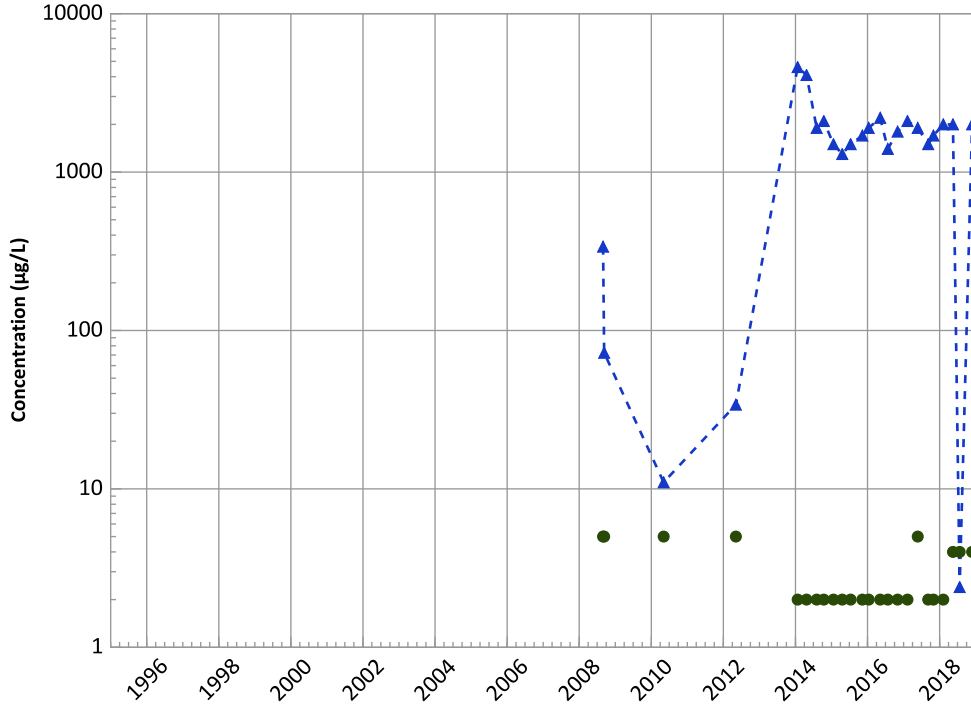


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

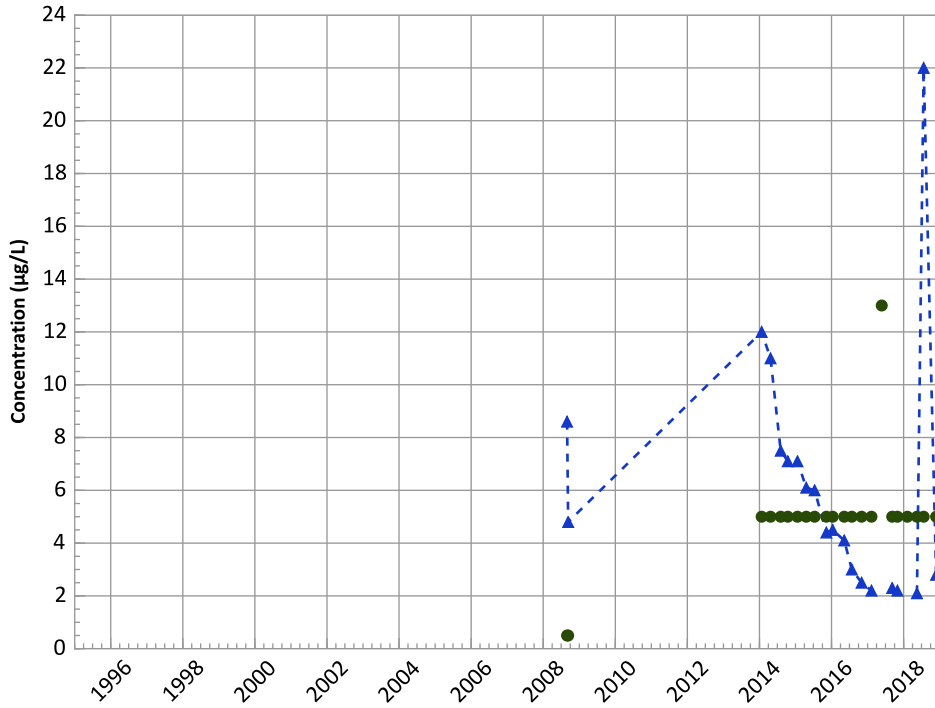
Data (2017 - 2021):

Increasing

All Data:

Increasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

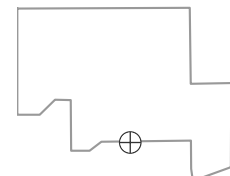
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

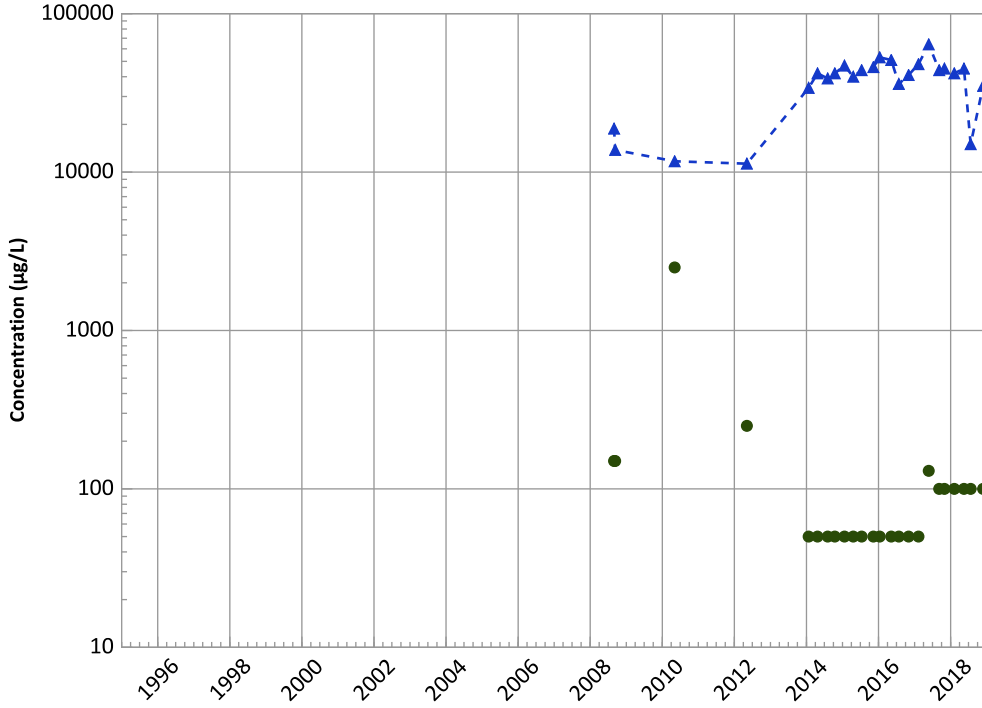


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

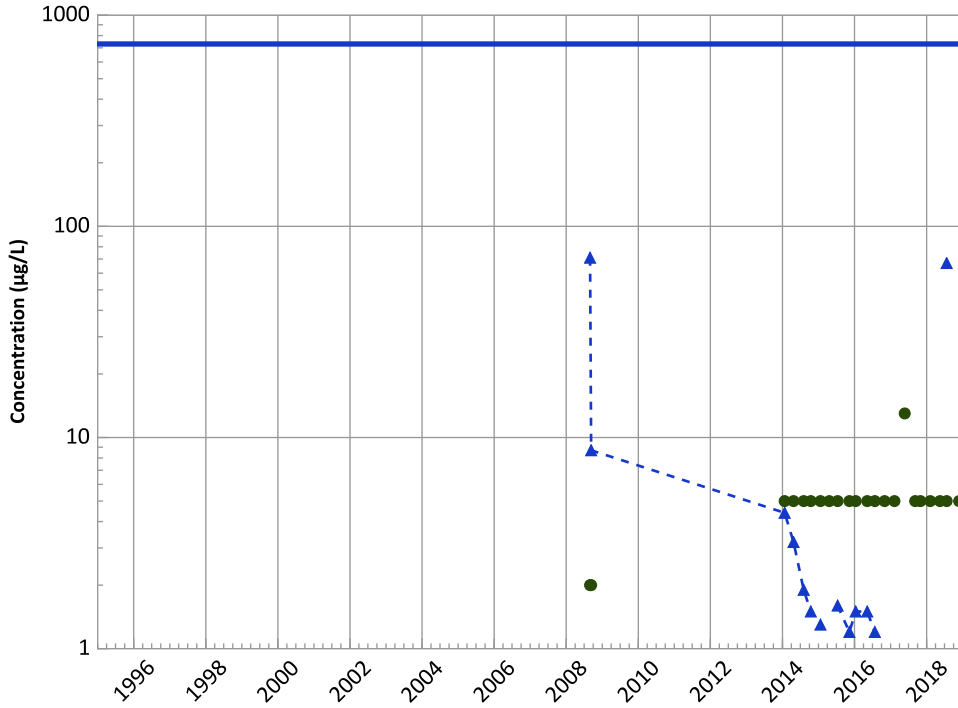
Data (2017 - 2021):

Increasing

All Data:

Increasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

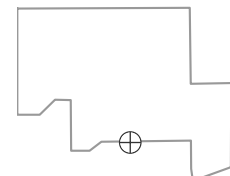
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

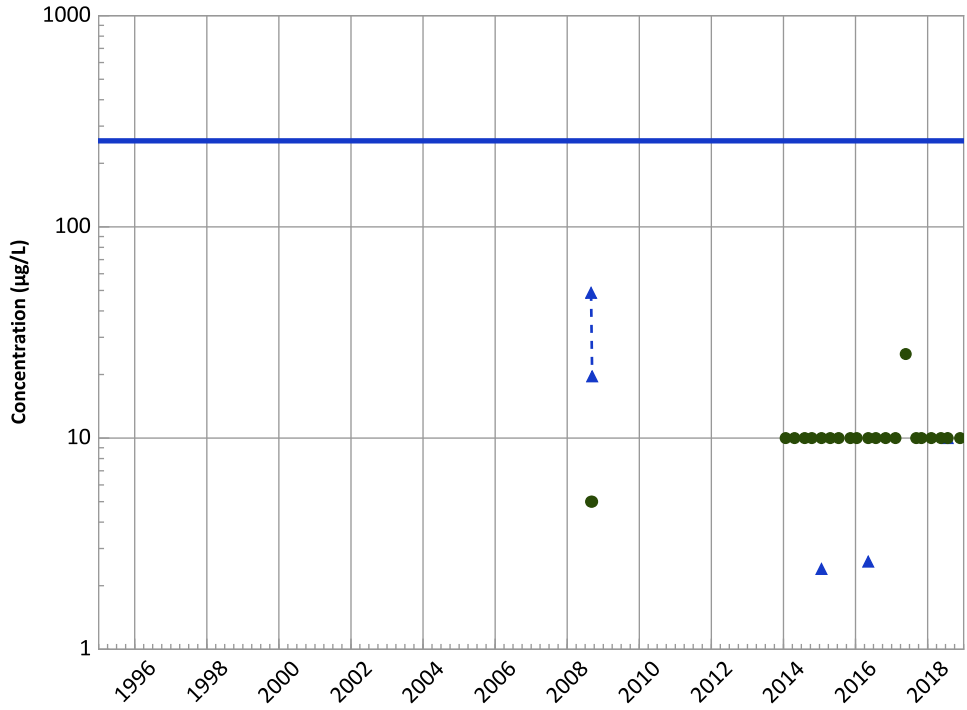
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

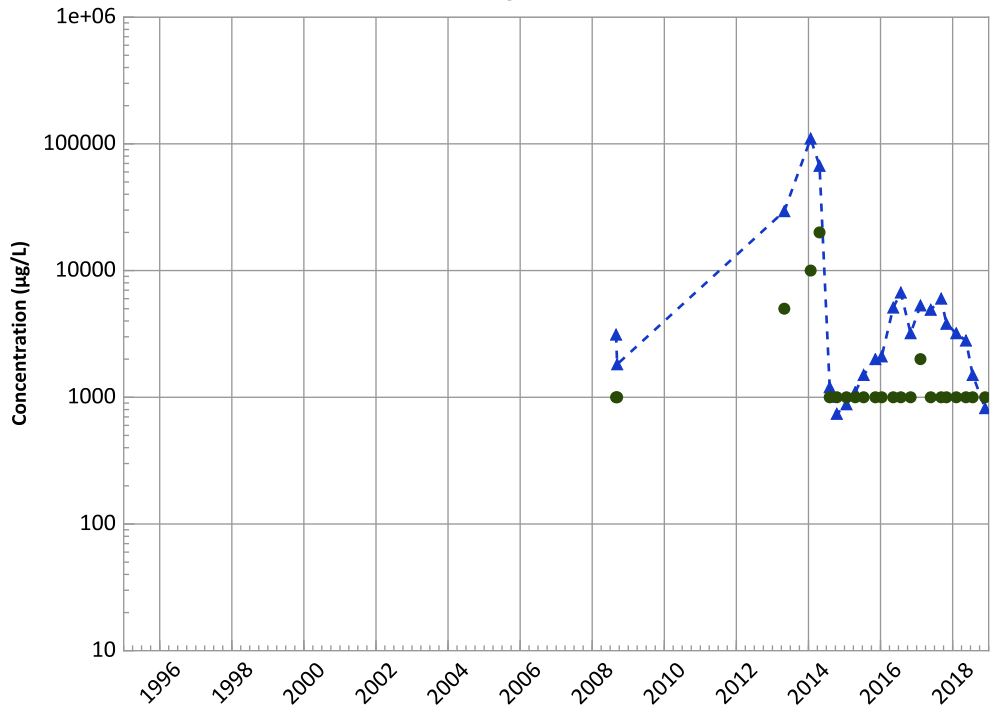


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Total Organic Carbon Trend

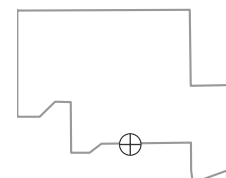


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
No Trend

Well Location

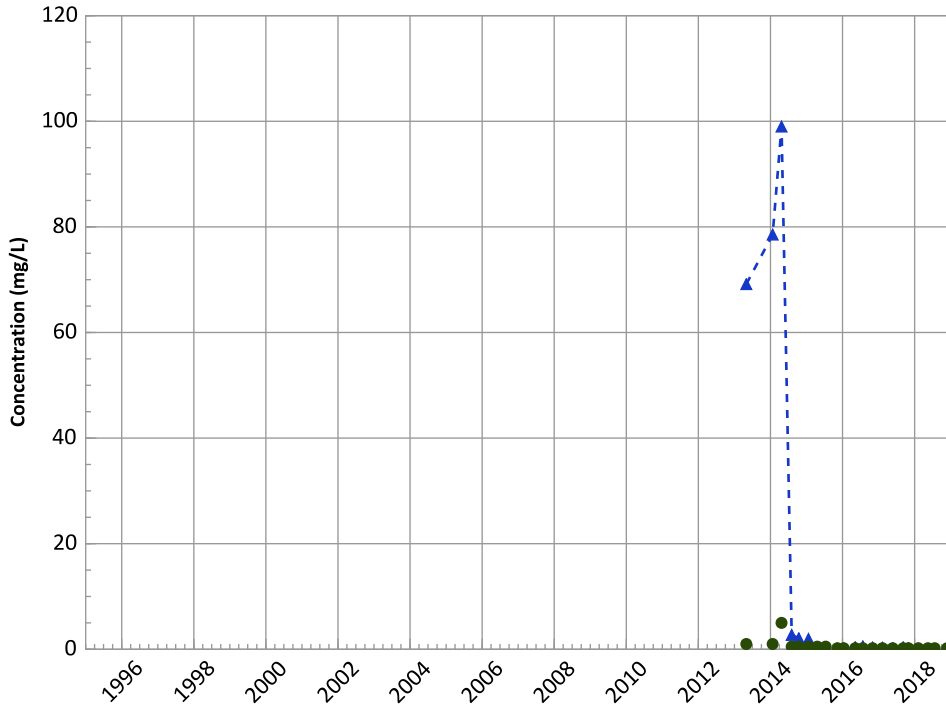


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1149 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

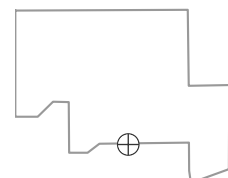
All Data:

Decreasing

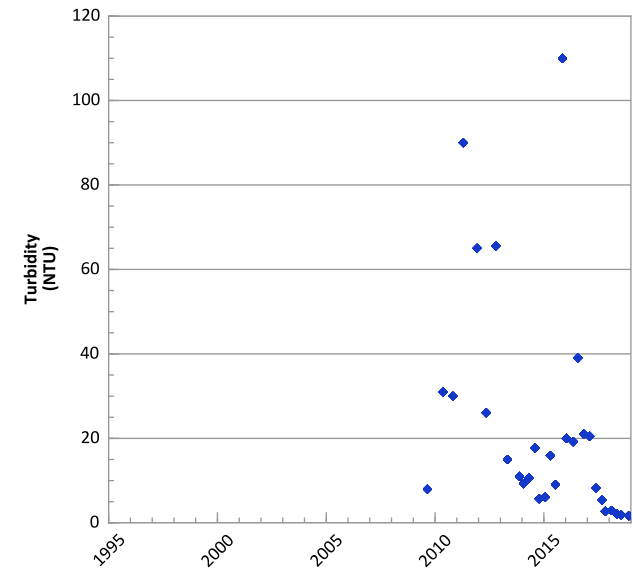
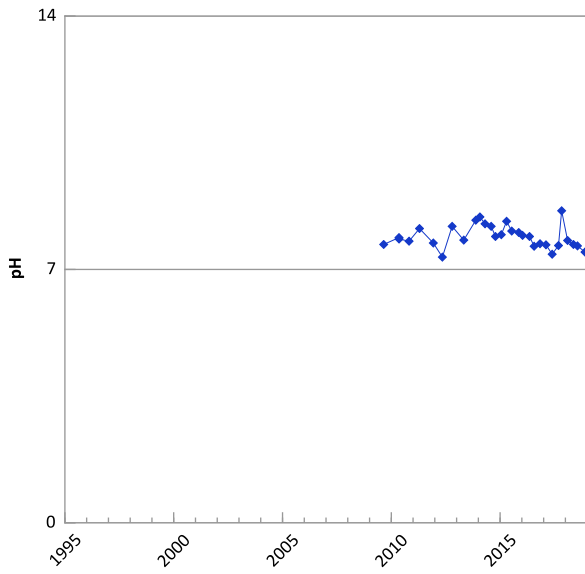
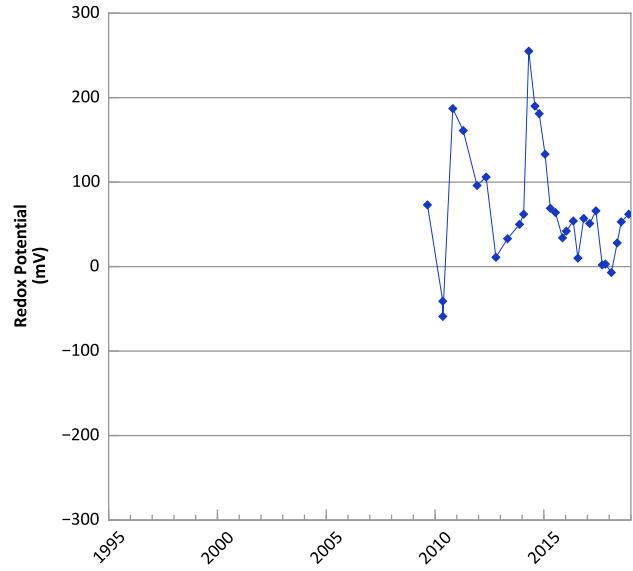
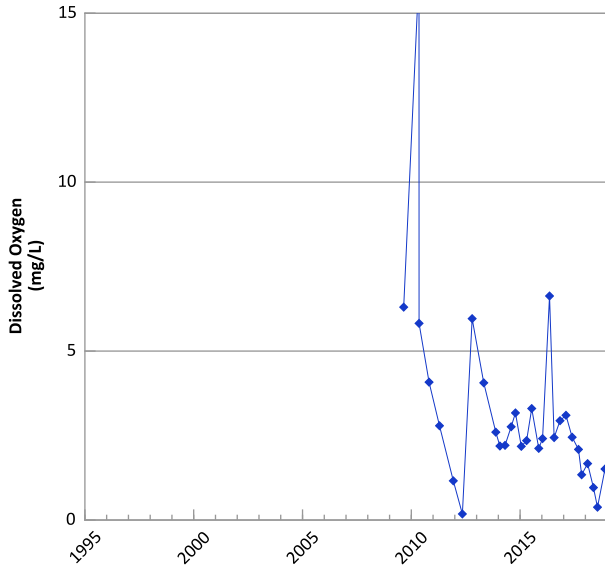
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

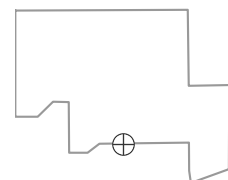


**PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



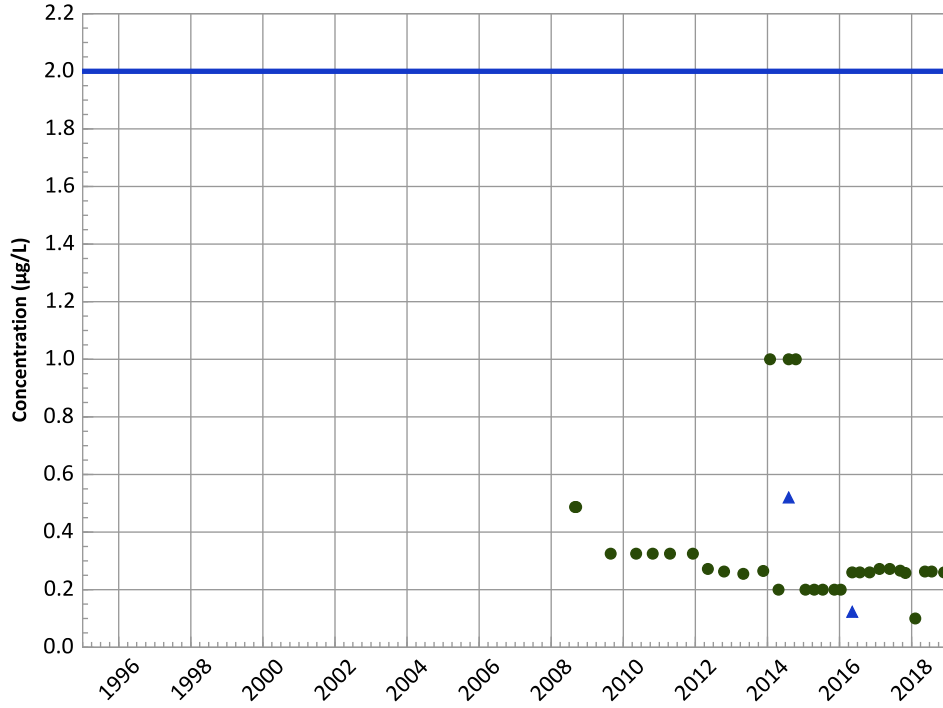
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/30/2008 to 11/26/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

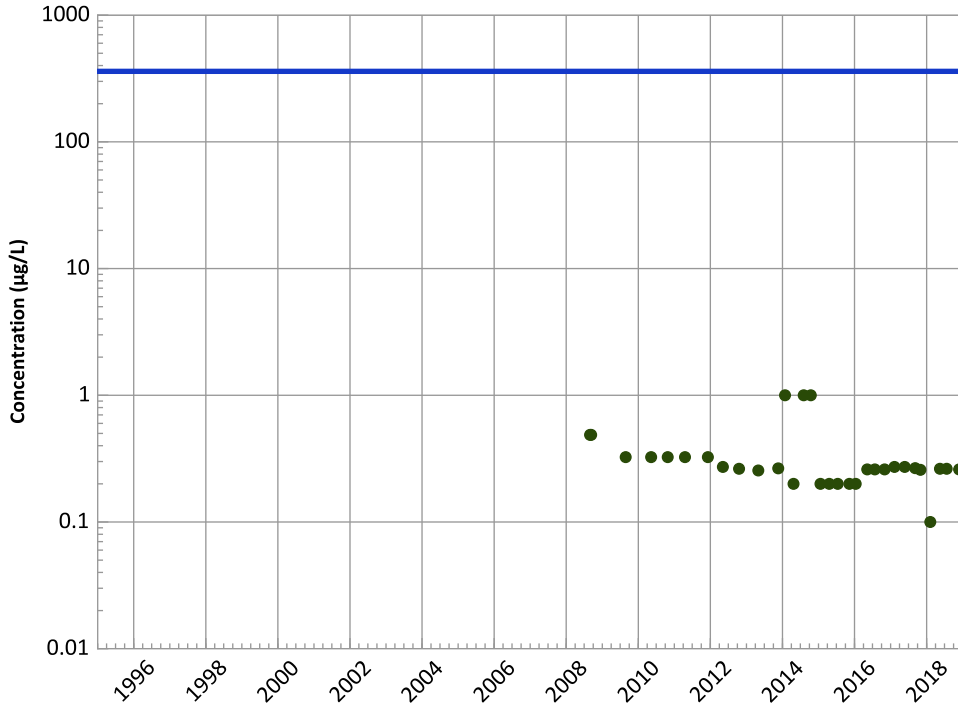


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

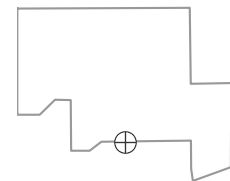


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

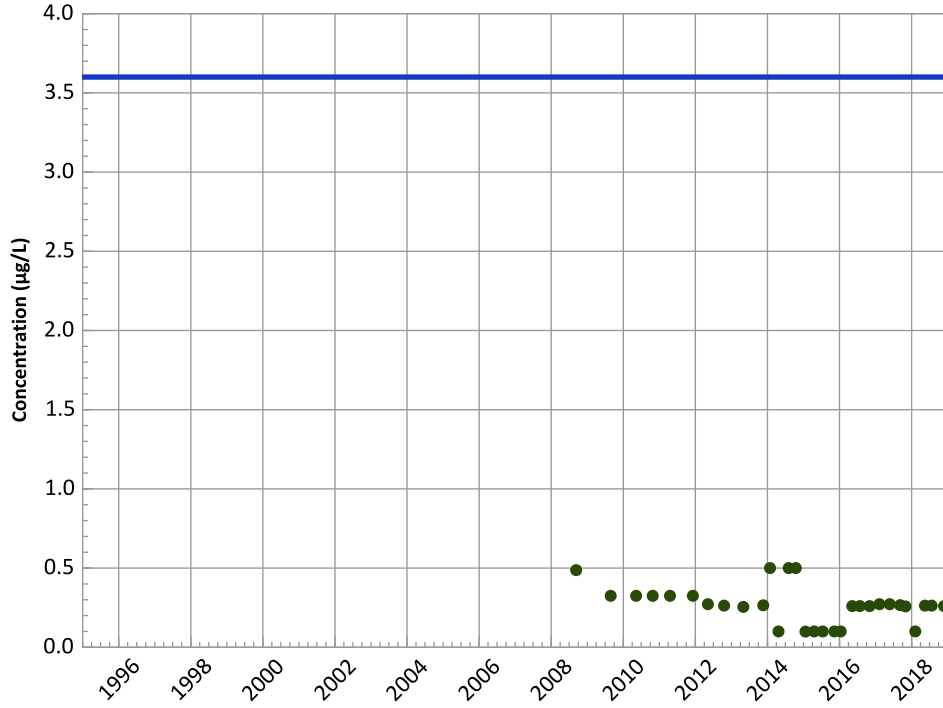


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

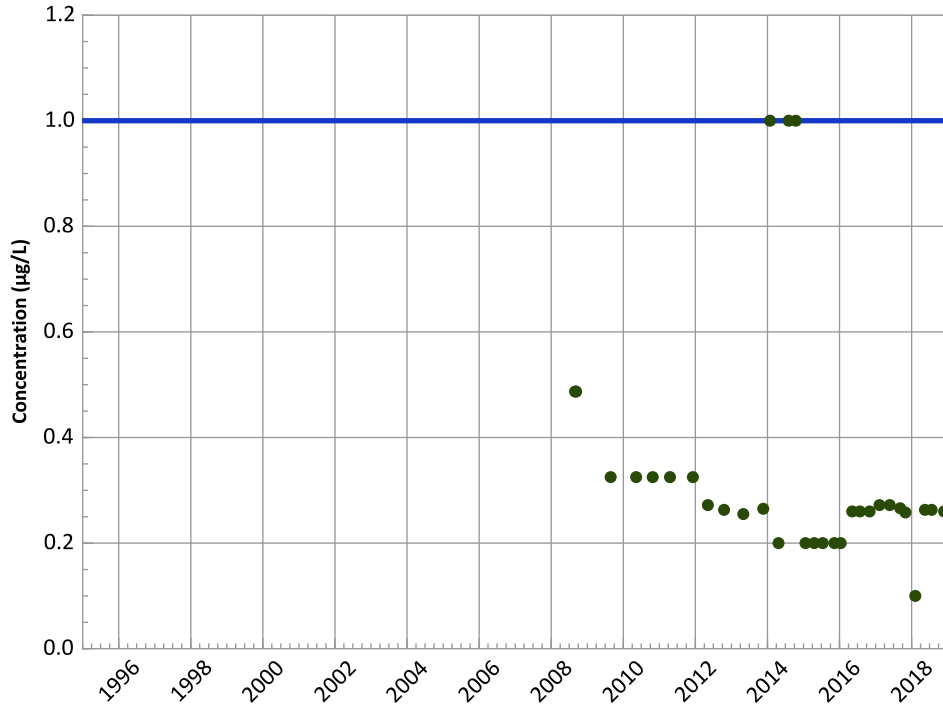


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

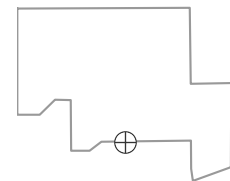


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

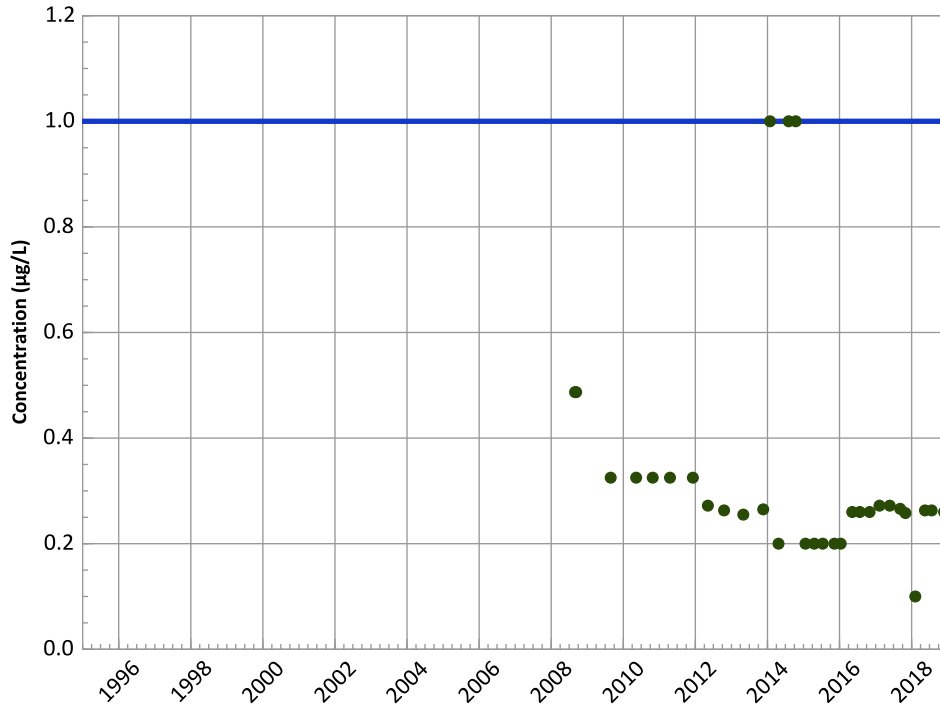


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

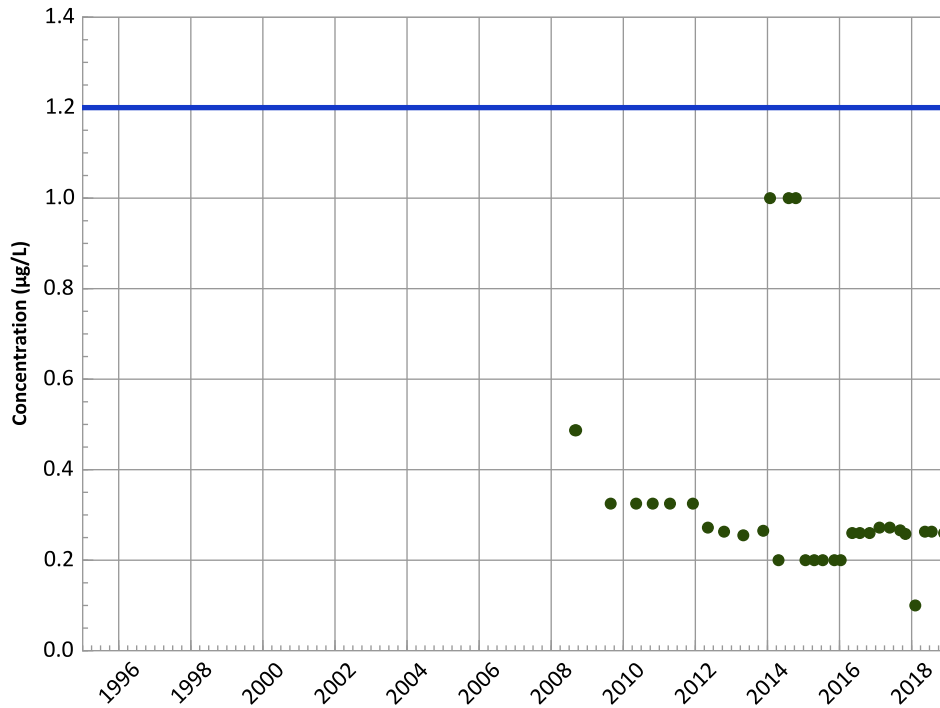


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

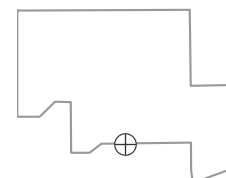


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

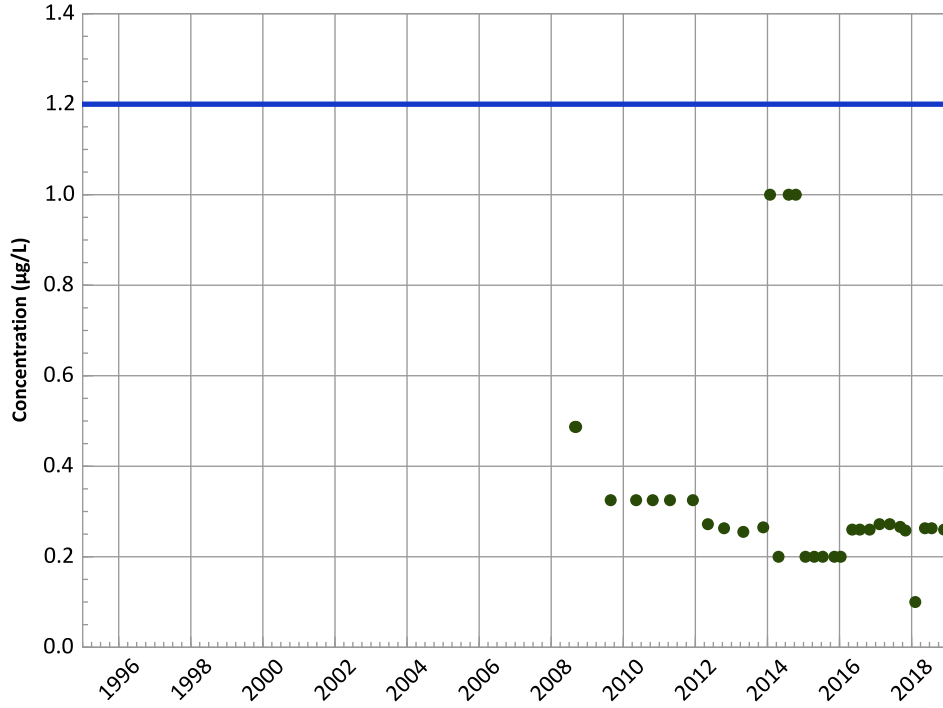


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

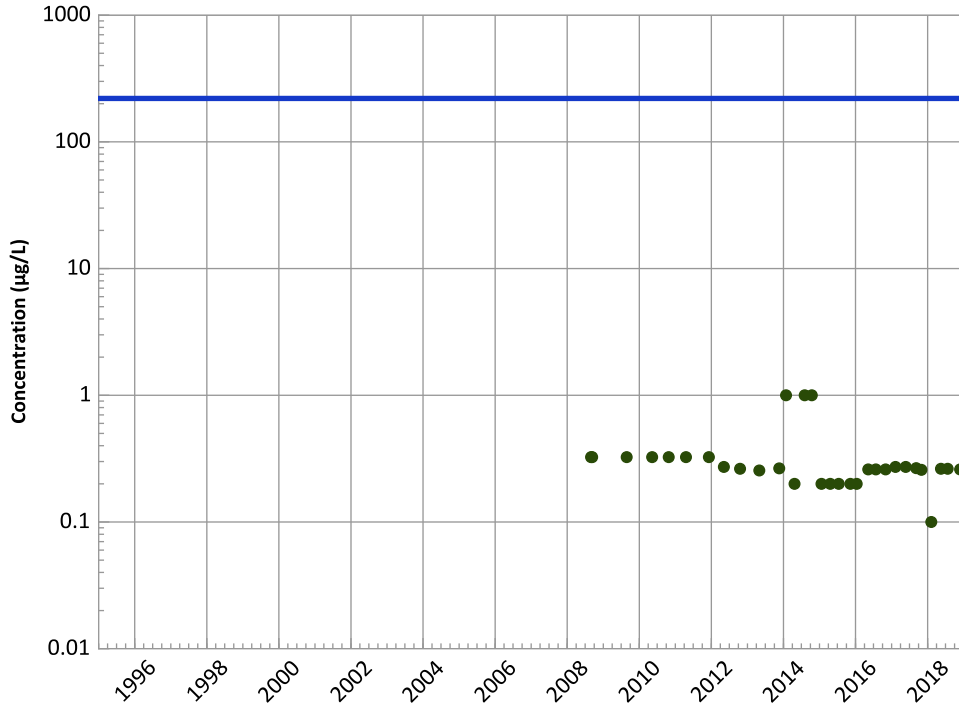
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

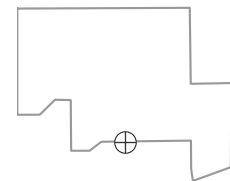
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

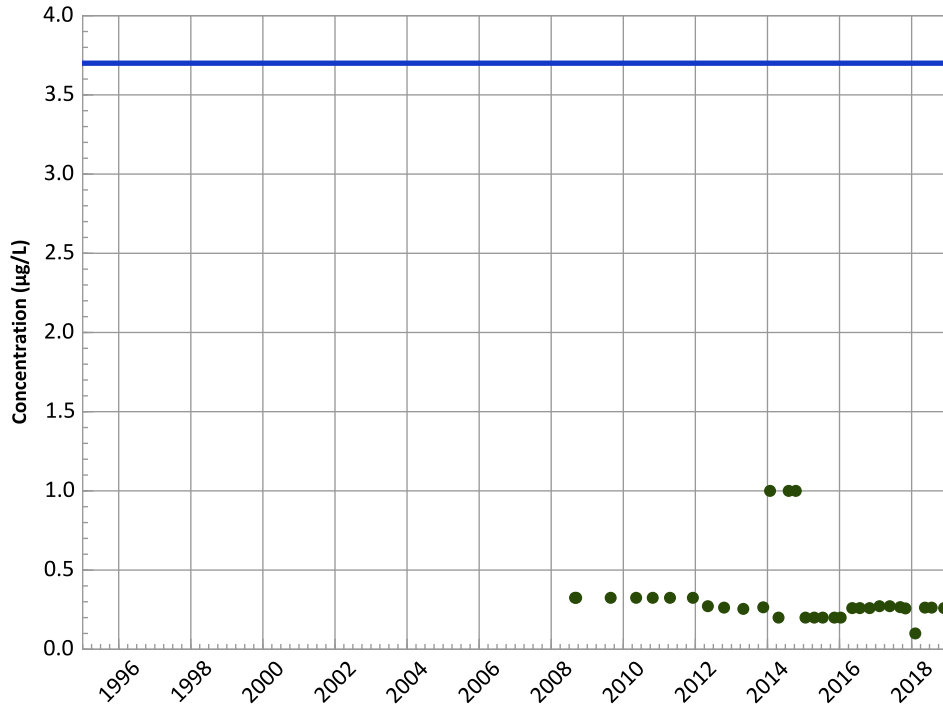
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**

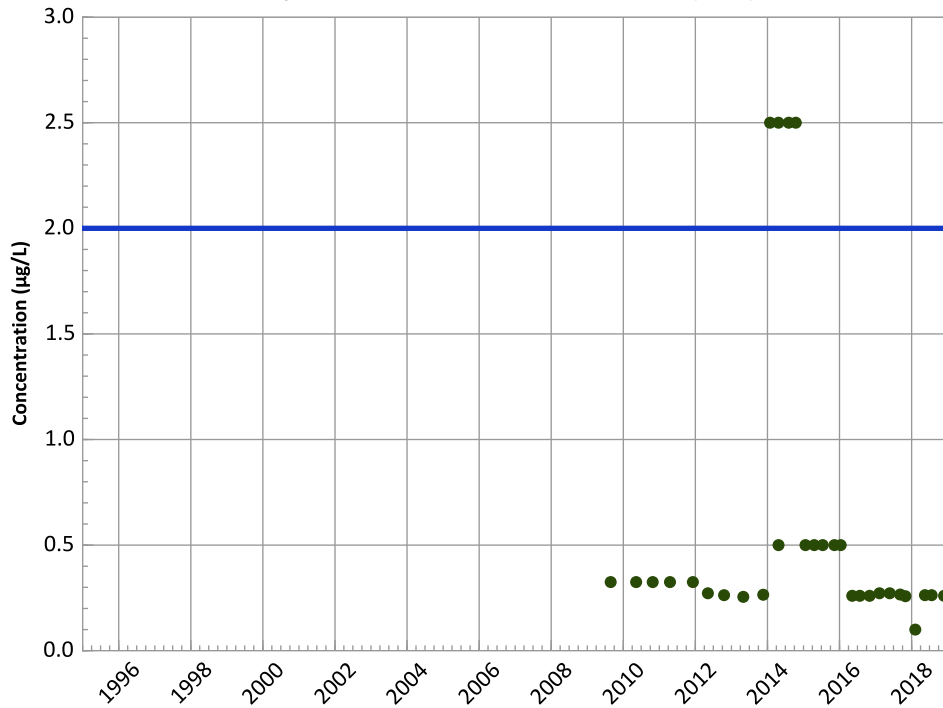


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

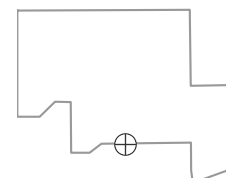
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

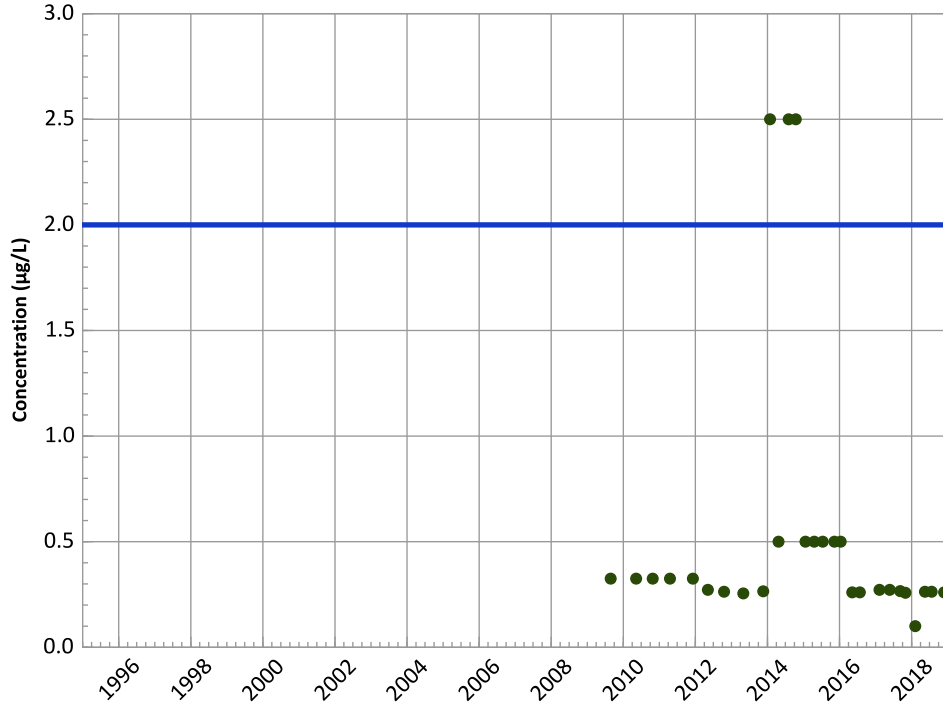
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

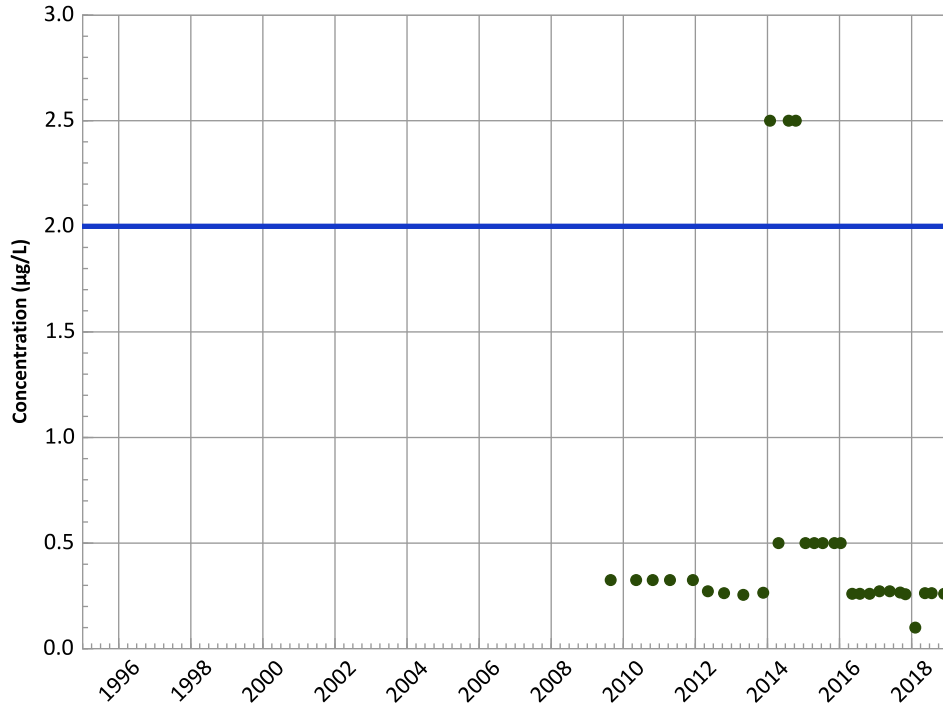


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

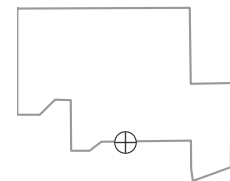


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

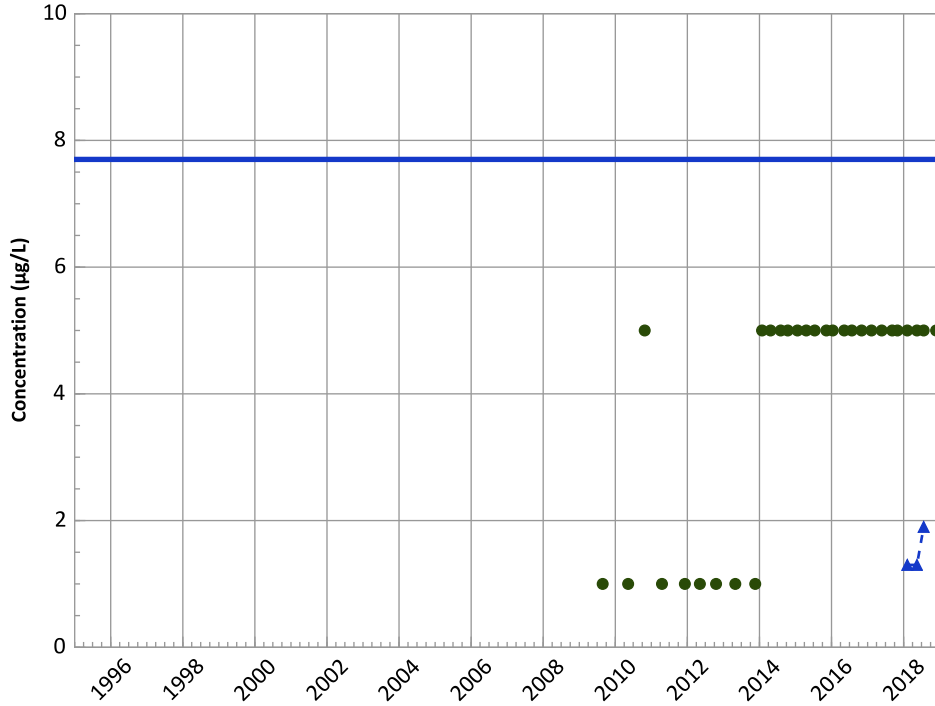


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

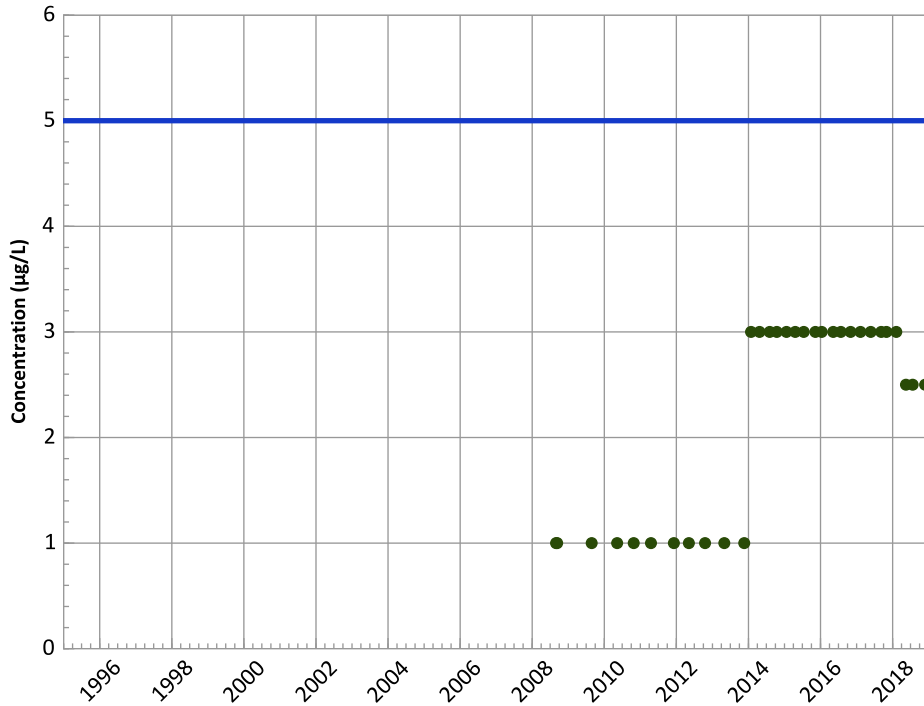
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Tetrachloroethylene (PCE) Trend



Concentration Trend

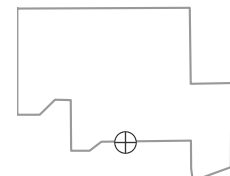
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

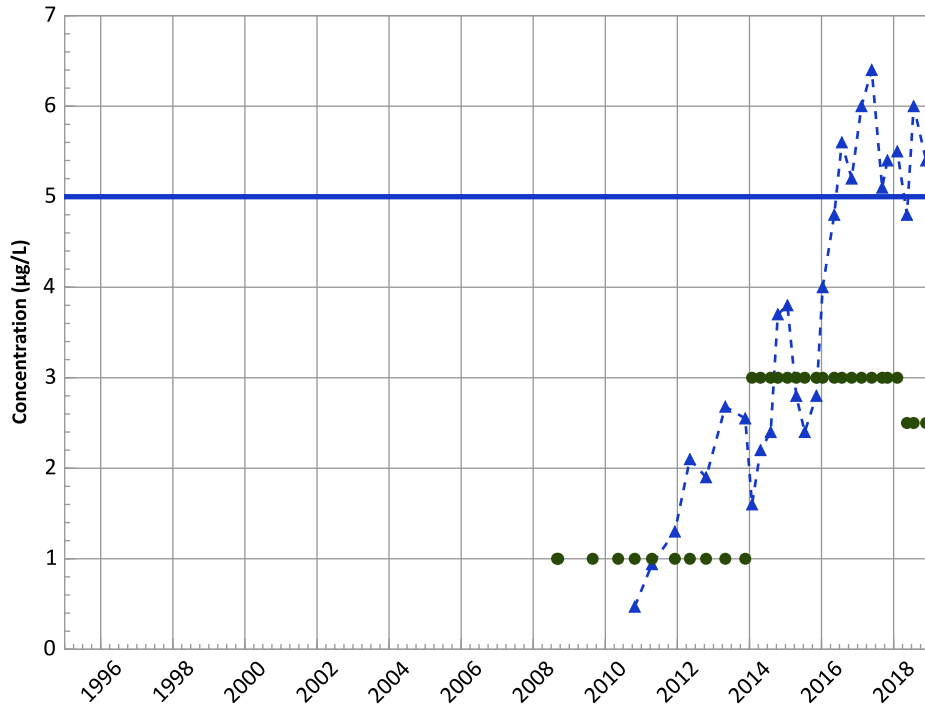


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

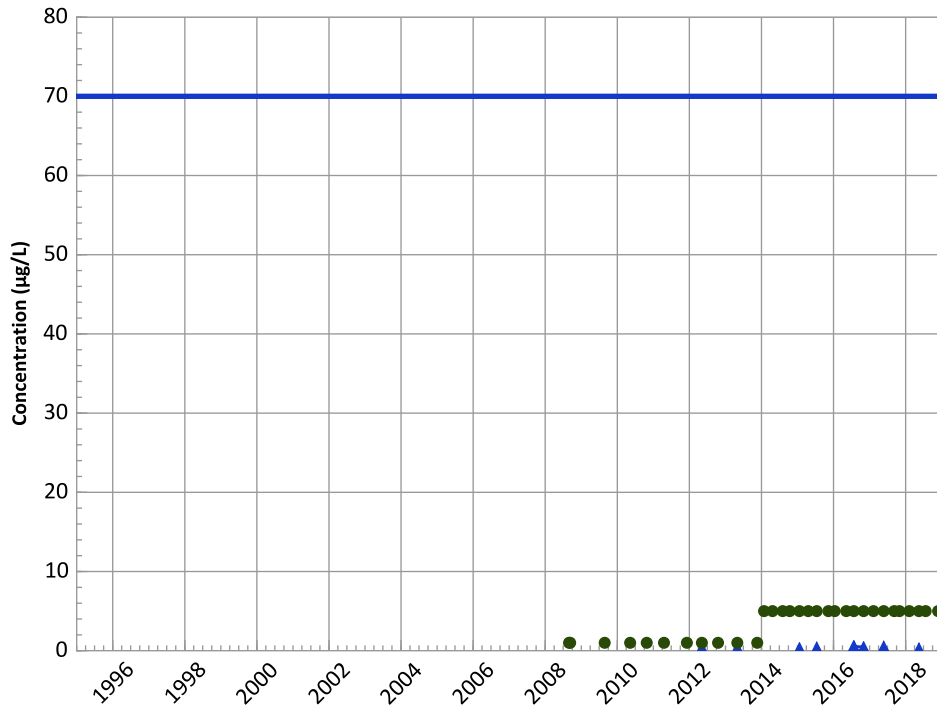
Data (2017 - 2021):

Increasing

All Data:

Increasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

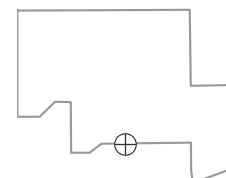
Query Date Range: 01/01/1992 to 12/31/2018

Data Date Range: 08/30/2008 to 11/26/2018

Analysis Date: 02/14/2019

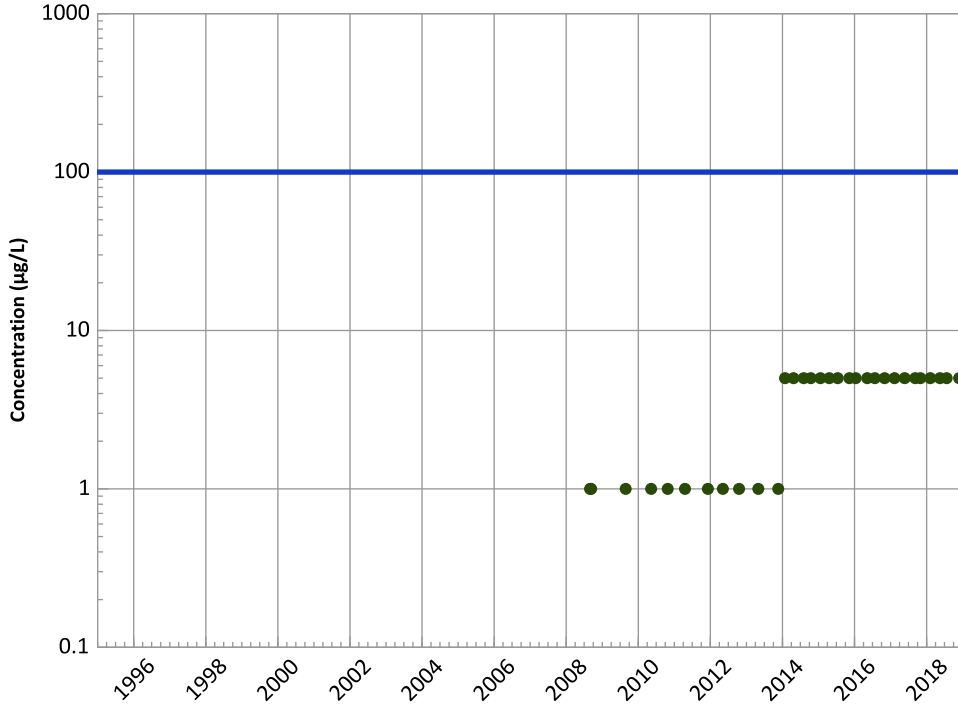
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

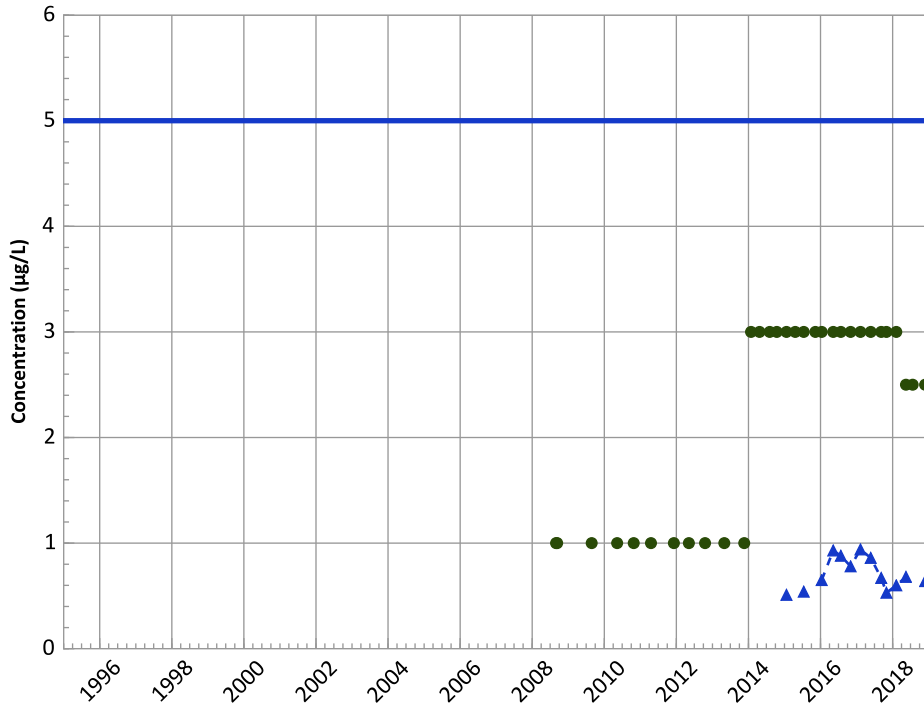
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Increasing

MAROS Linear Regression Method

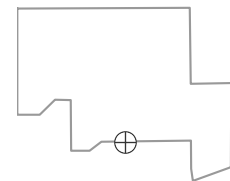
Data (2017 - 2021):

Increasing

All Data:

No Trend

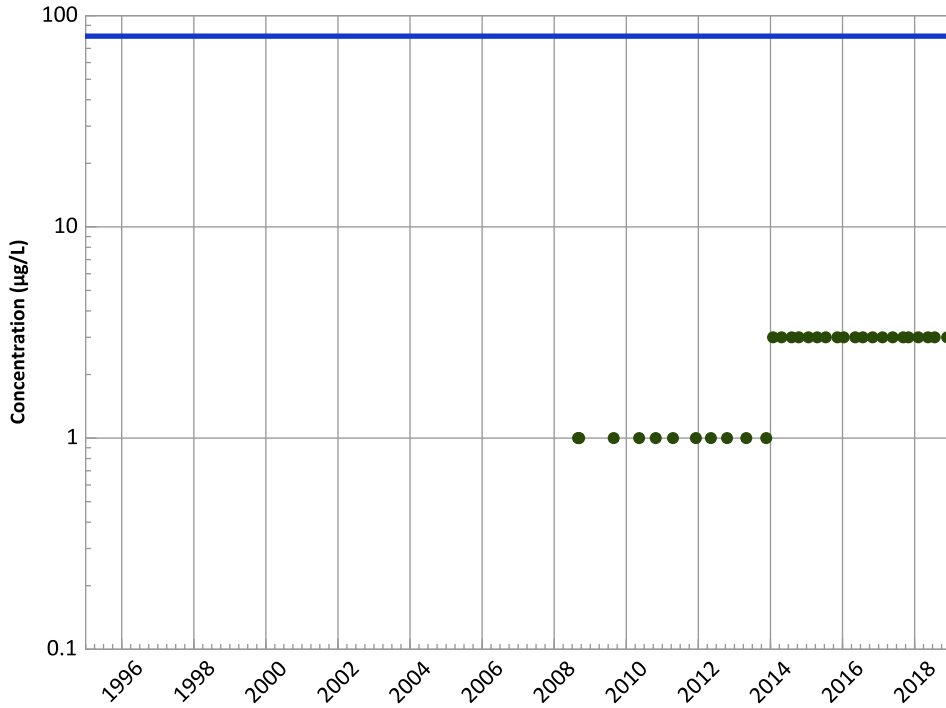
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

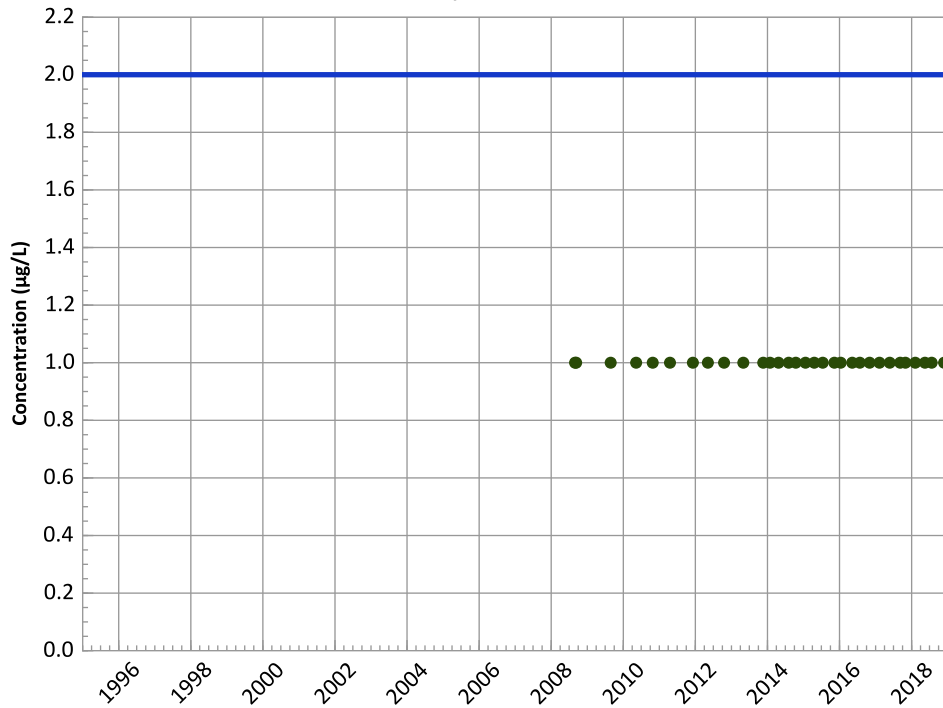


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Vinyl Chloride Trend

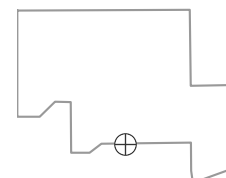


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

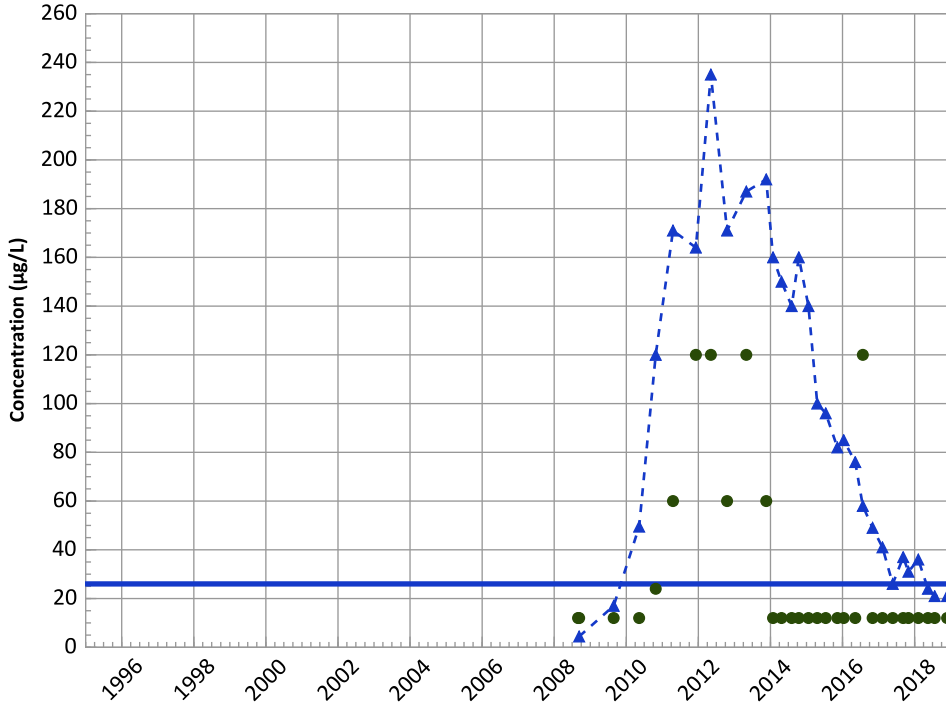


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

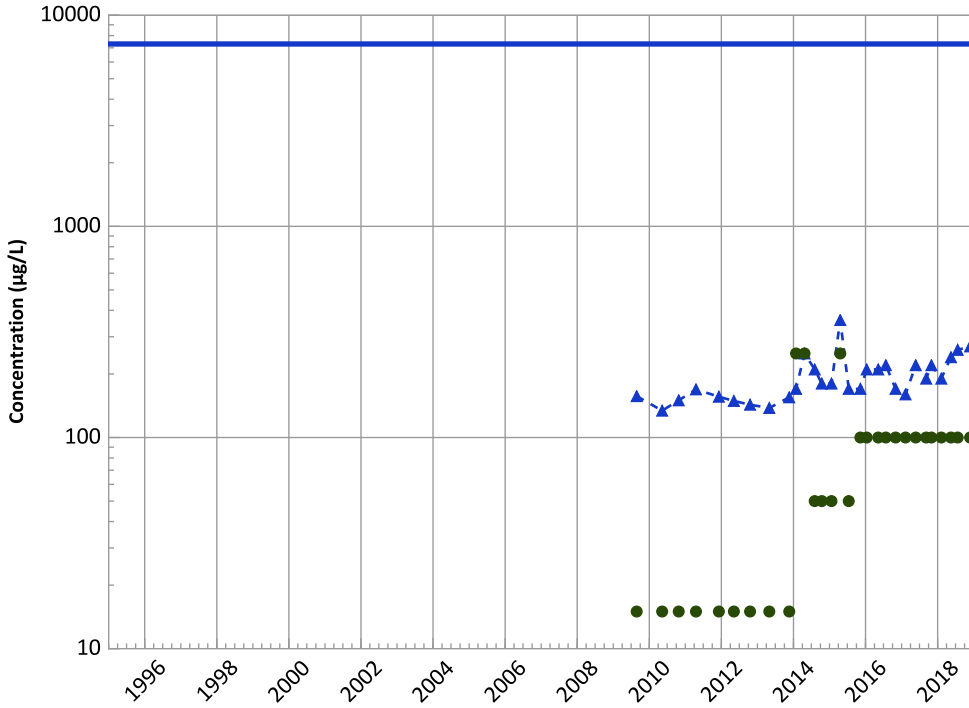
Data (2017 - 2021):

Decreasing

All Data:

Stable

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

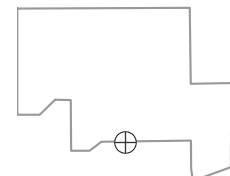
Data (2017 - 2021):

Increasing

All Data:

Increasing

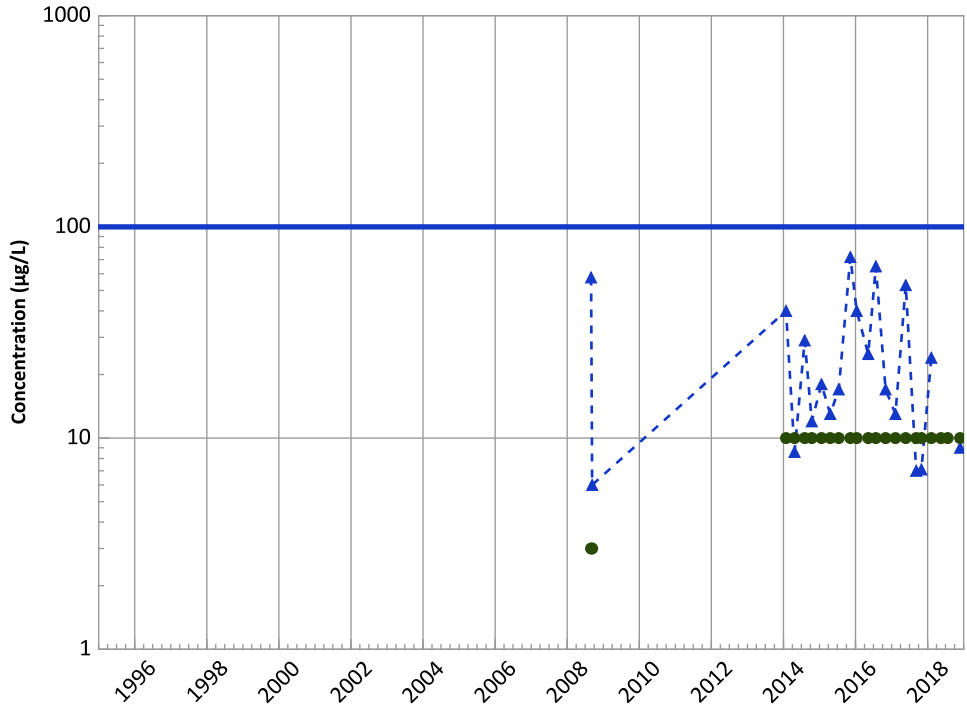
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

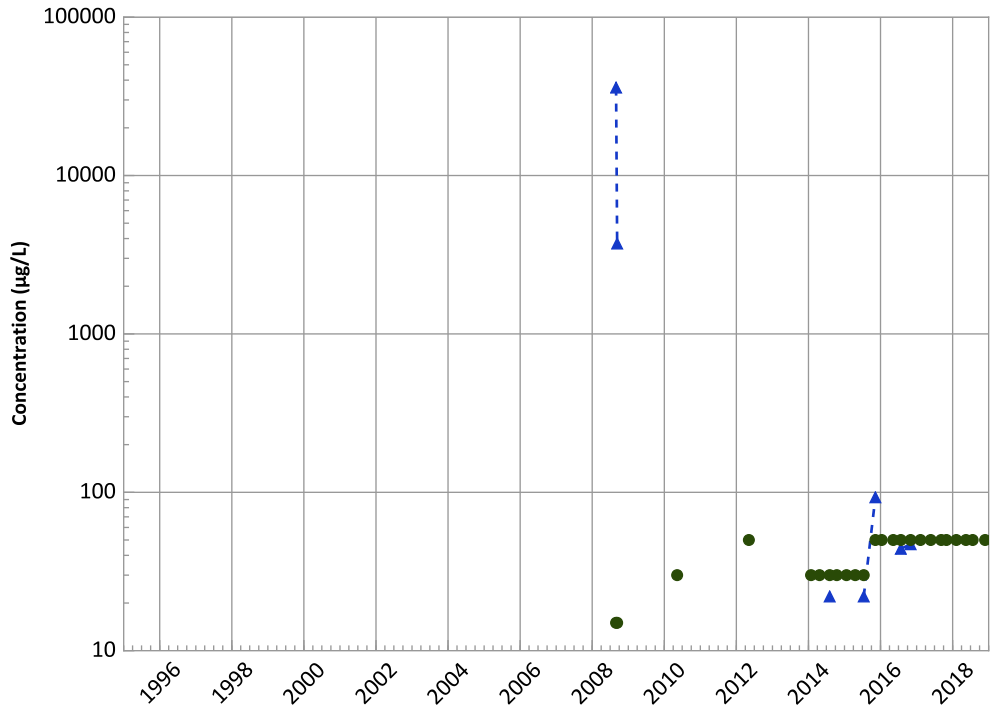
Data (2017 - 2021):

No Trend

All Data:

Stable

Aluminum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

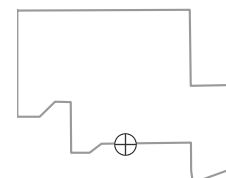
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Well Location

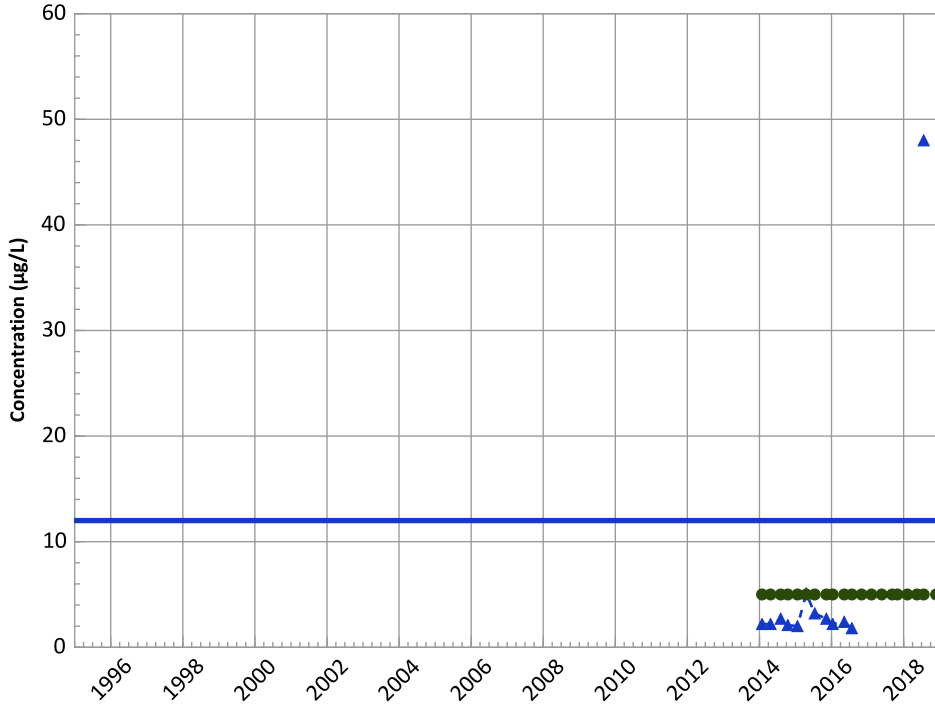


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

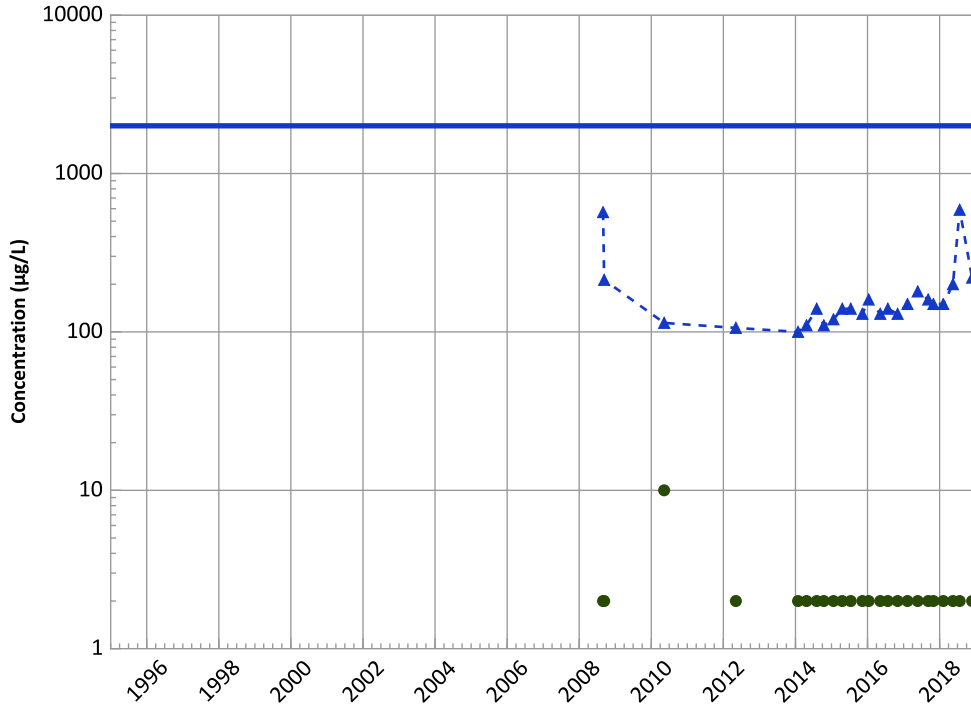
Data (2017 - 2021):

Stable

All Data:

Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

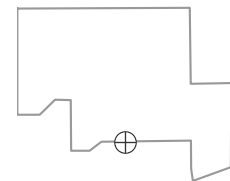
Data (2017 - 2021):

Increasing

All Data:

Stable

Well Location

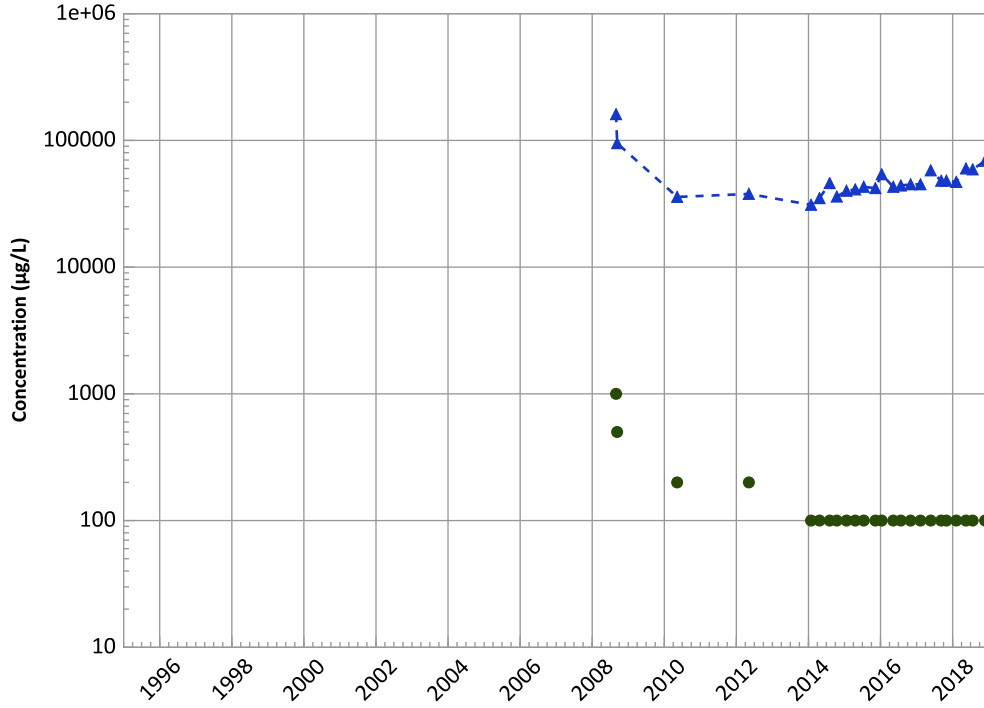


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

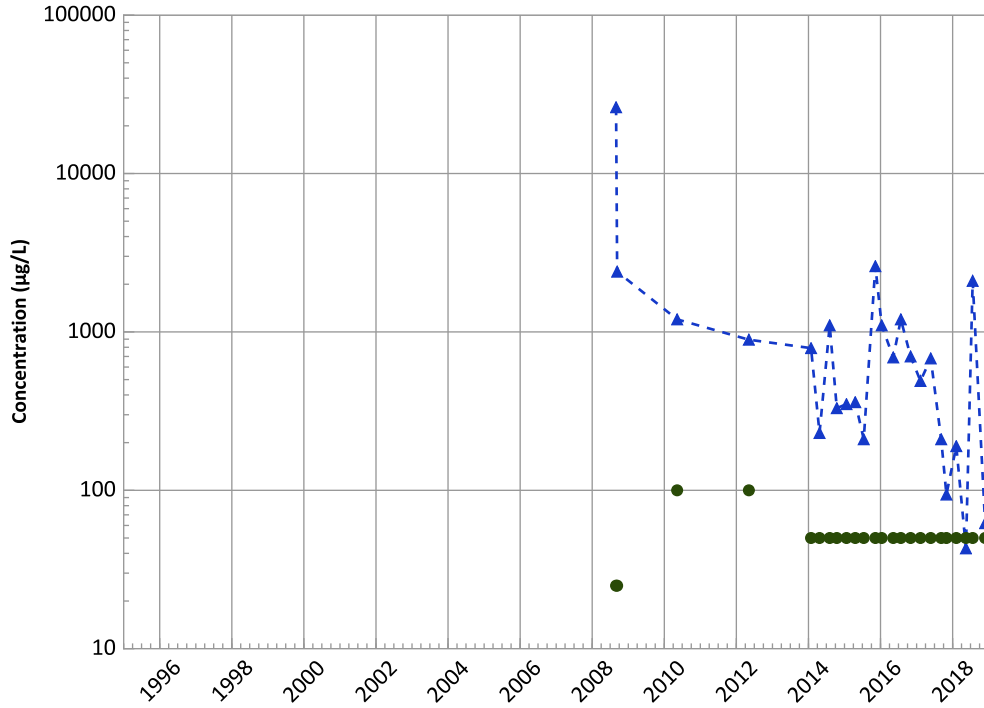
Data (2017 - 2021):

Increasing

All Data:

Probably Decreasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

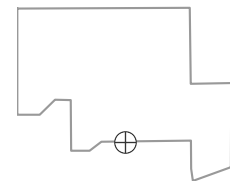
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Well Location

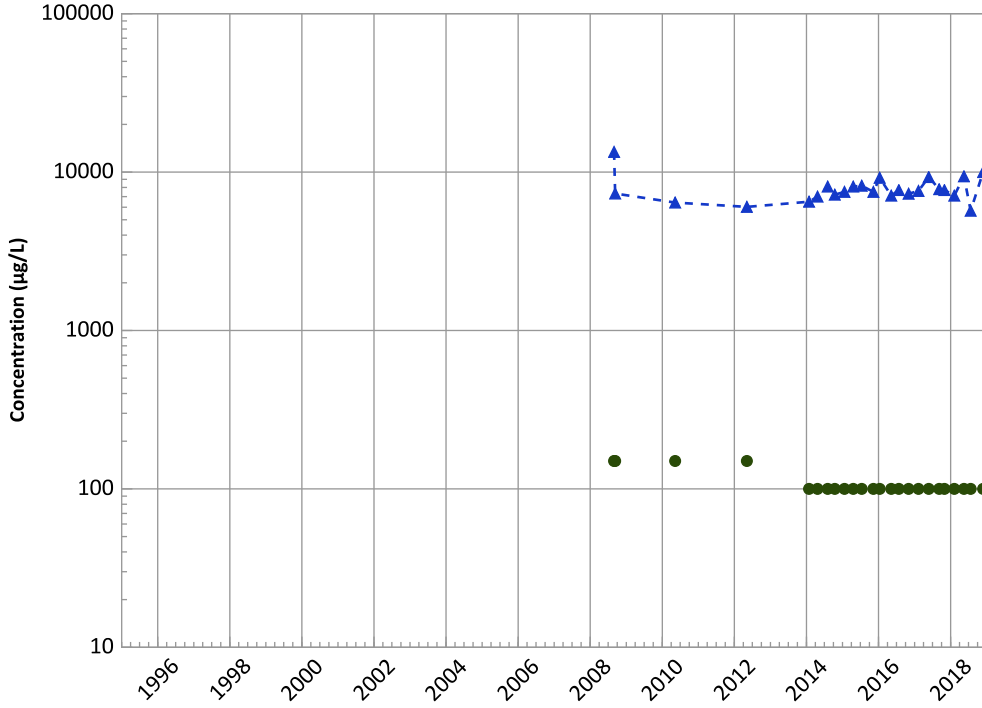


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

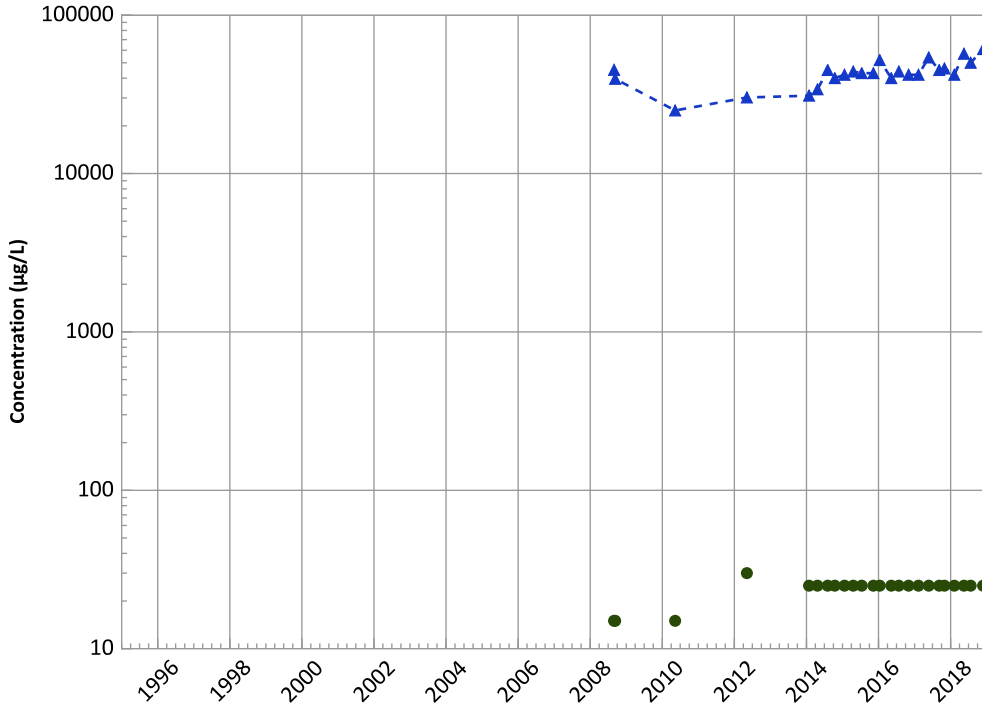
Data (2017 - 2021):

Increasing

All Data:

Stable

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

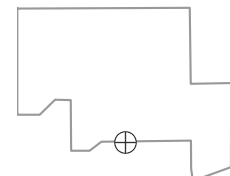
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

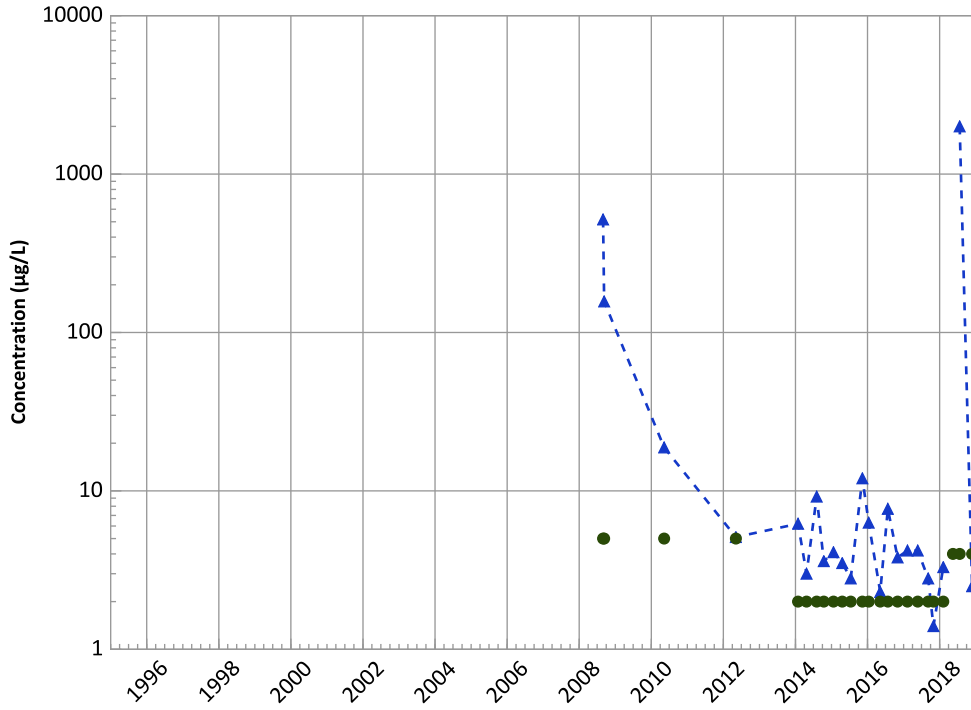


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

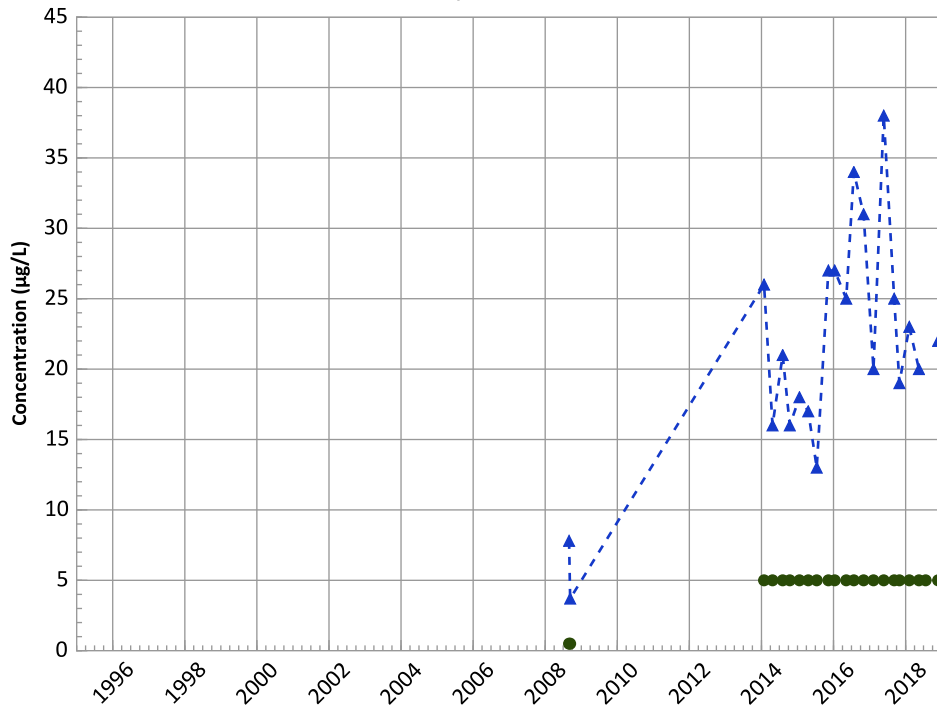
Data (2017 - 2021):

Stable

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

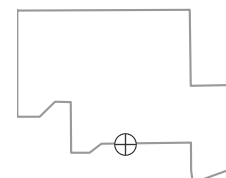
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

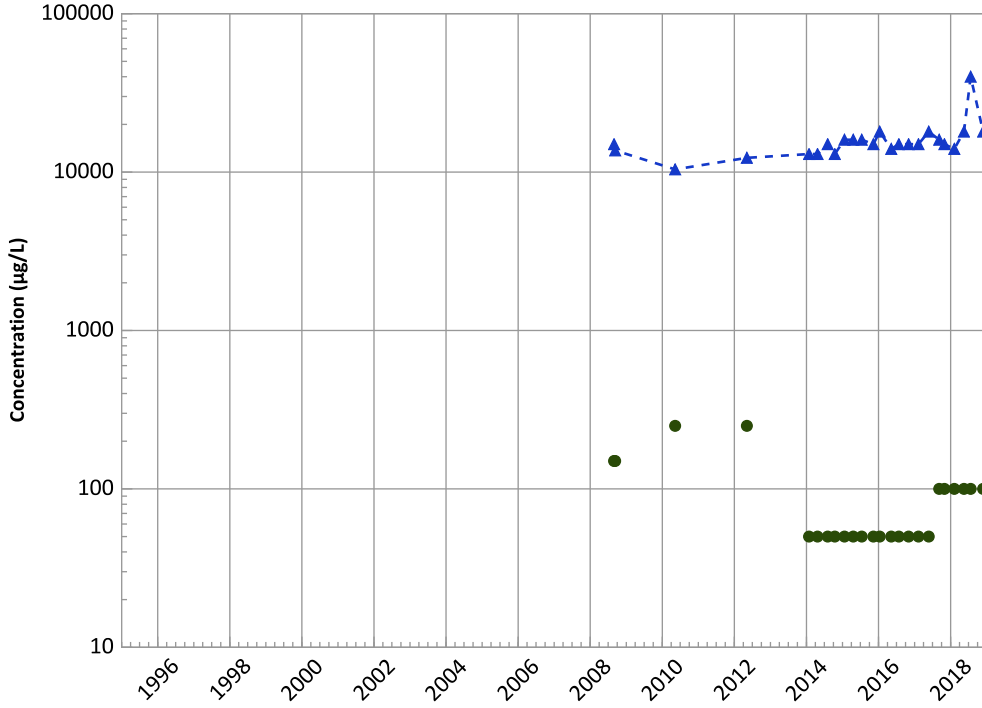
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend

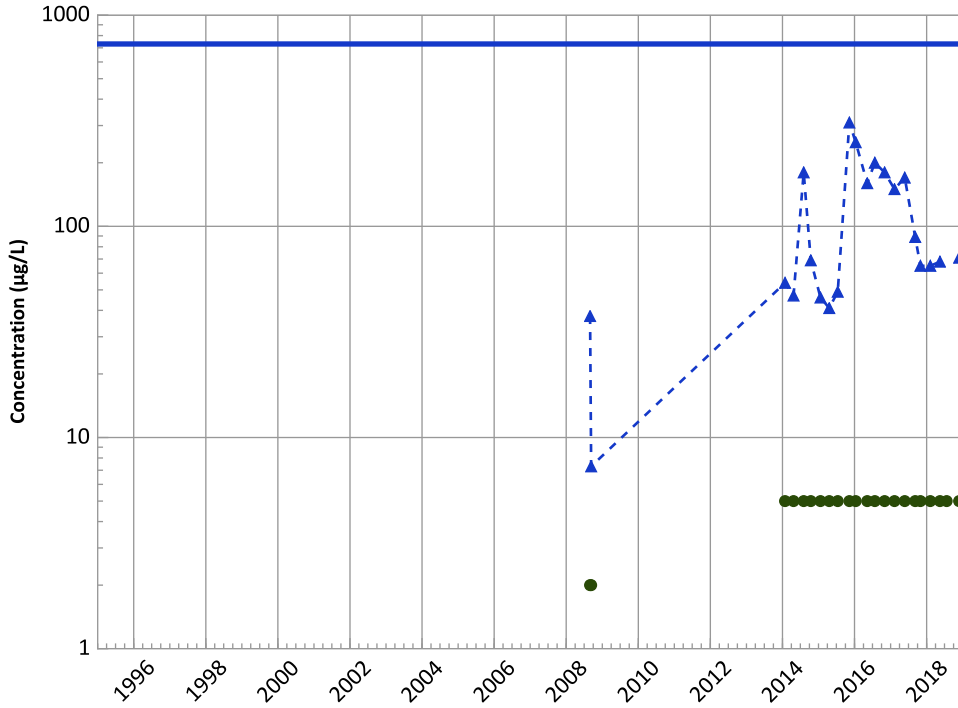


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Nickel Trend

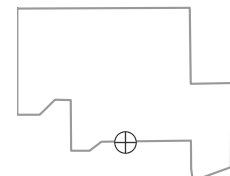


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

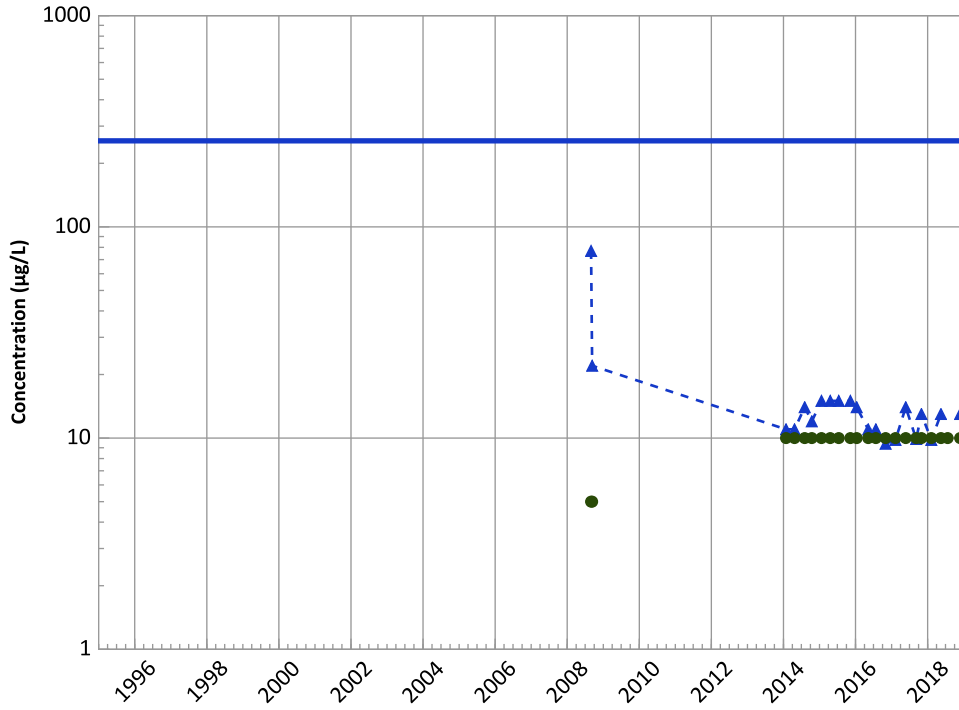
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

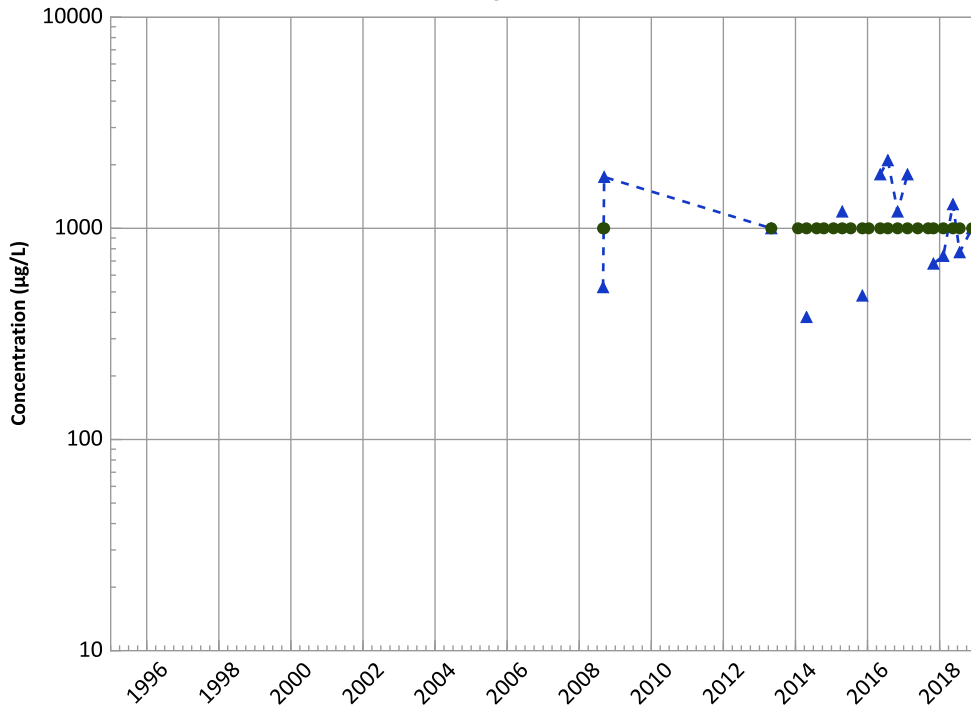
Data (2017 - 2021):

Stable

All Data:

Decreasing

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

MAROS Linear Regression Method

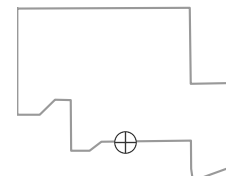
Data (2017 - 2021):

No Trend

All Data:

No Trend

Well Location

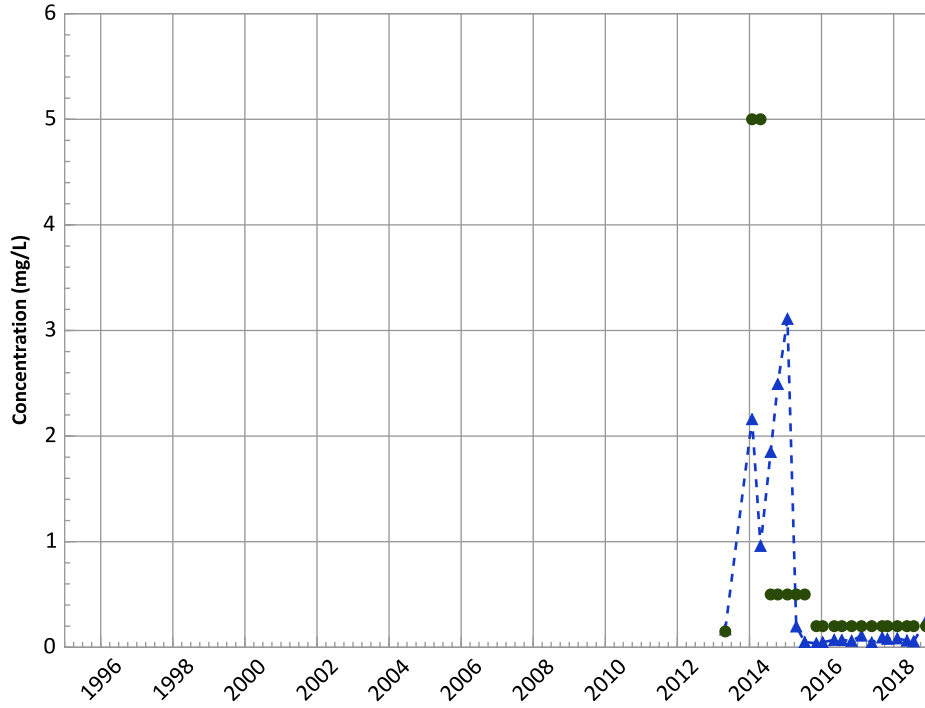


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/30/2008 to 11/26/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1150 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

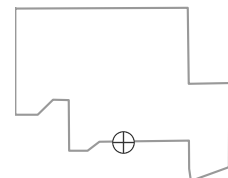
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

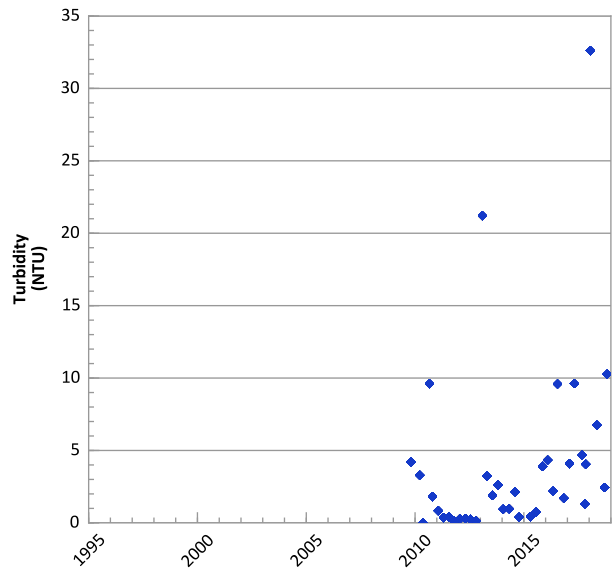
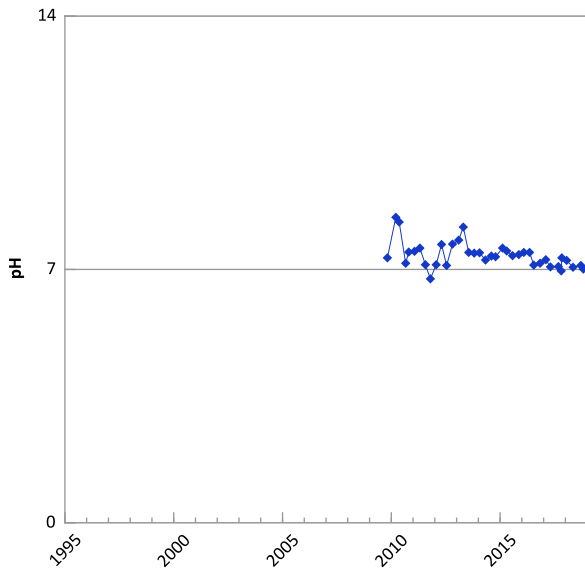
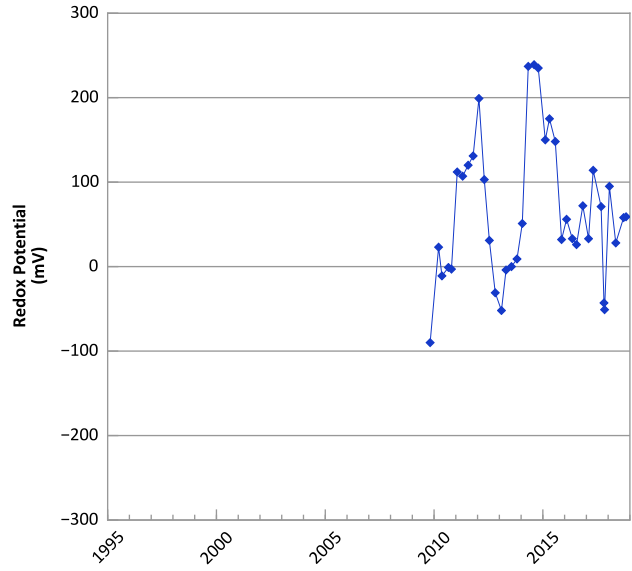
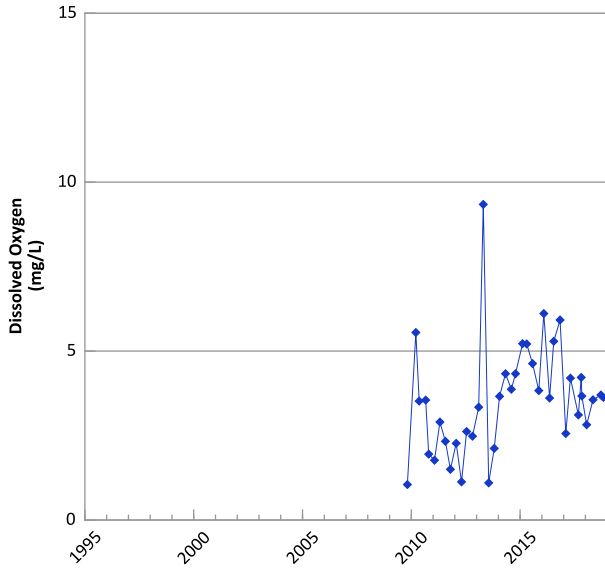
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/30/2008 to 11/26/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

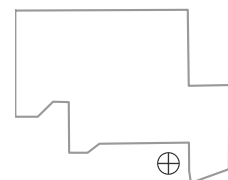


**PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



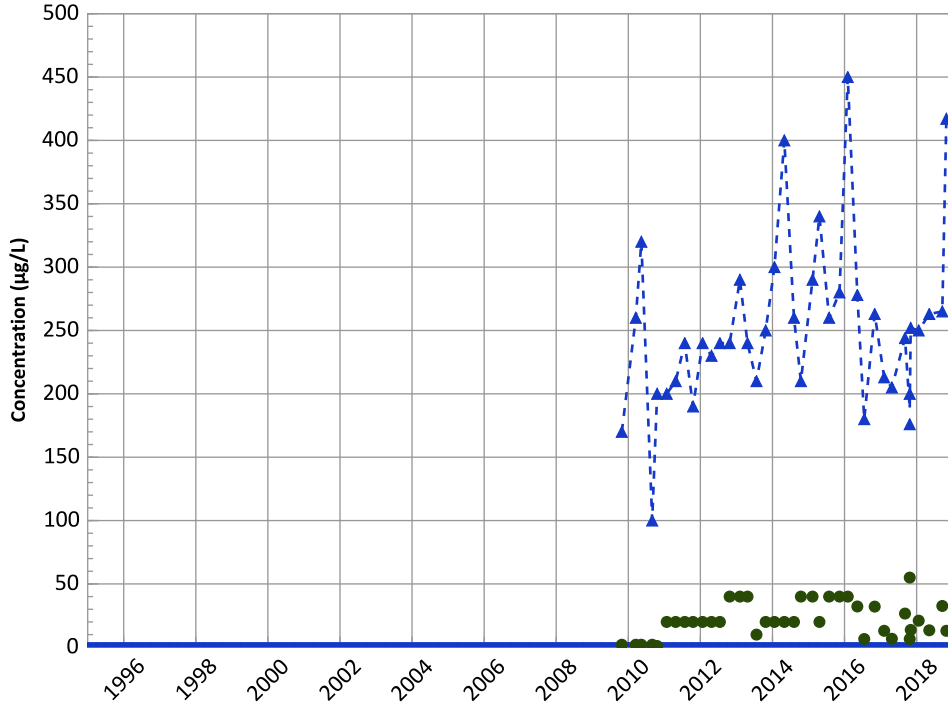
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/27/2009 to 10/29/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

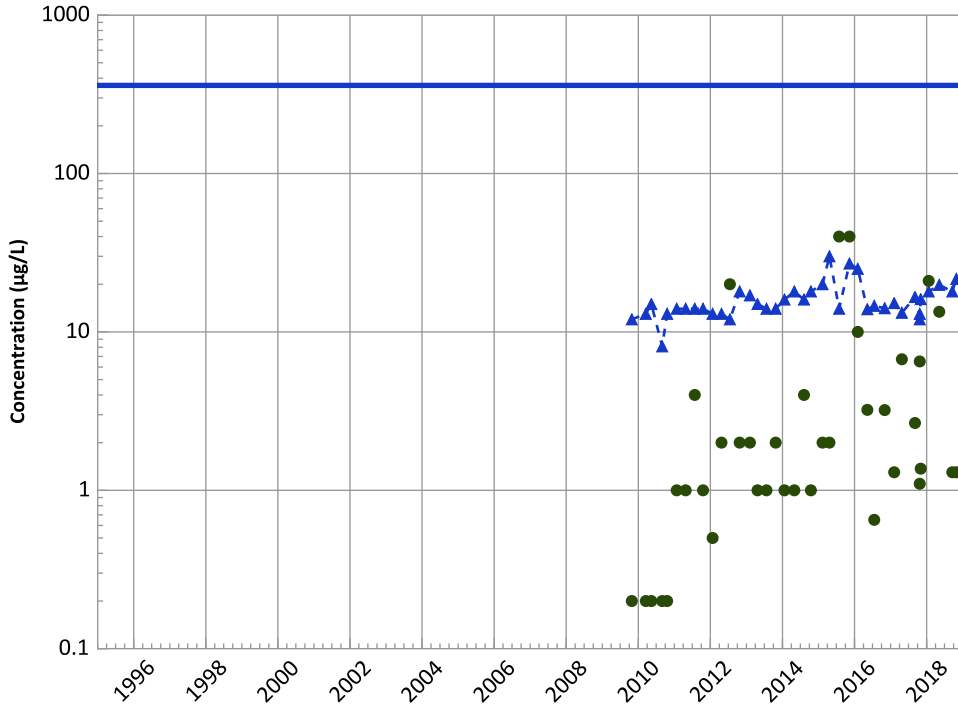
Data (2017 - 2021):

No Trend

All Data:

Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

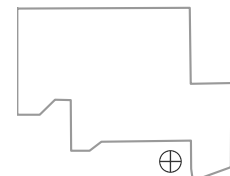
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

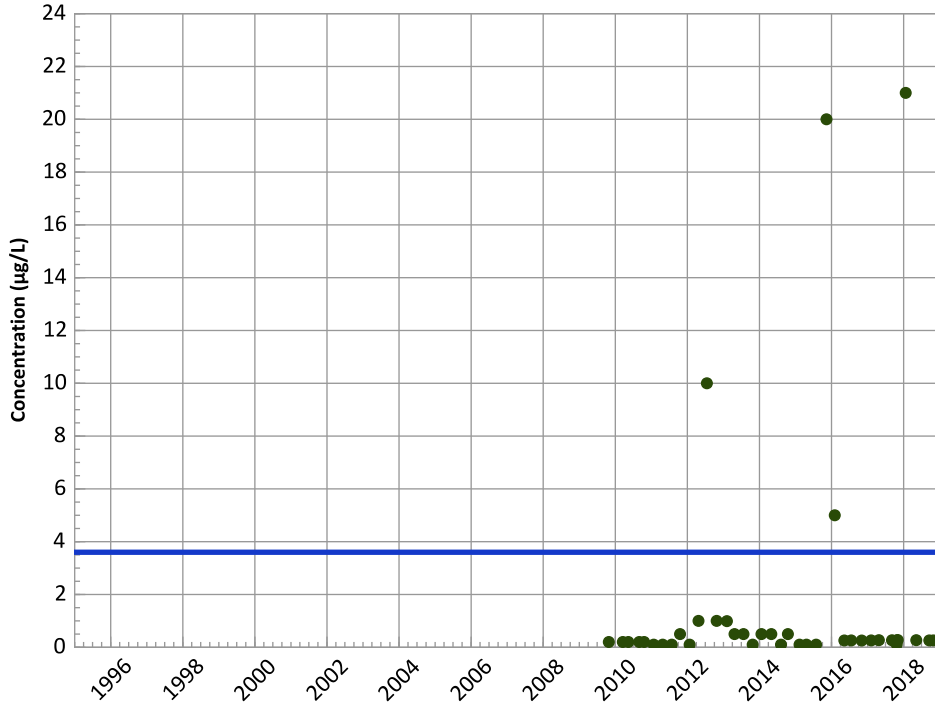
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

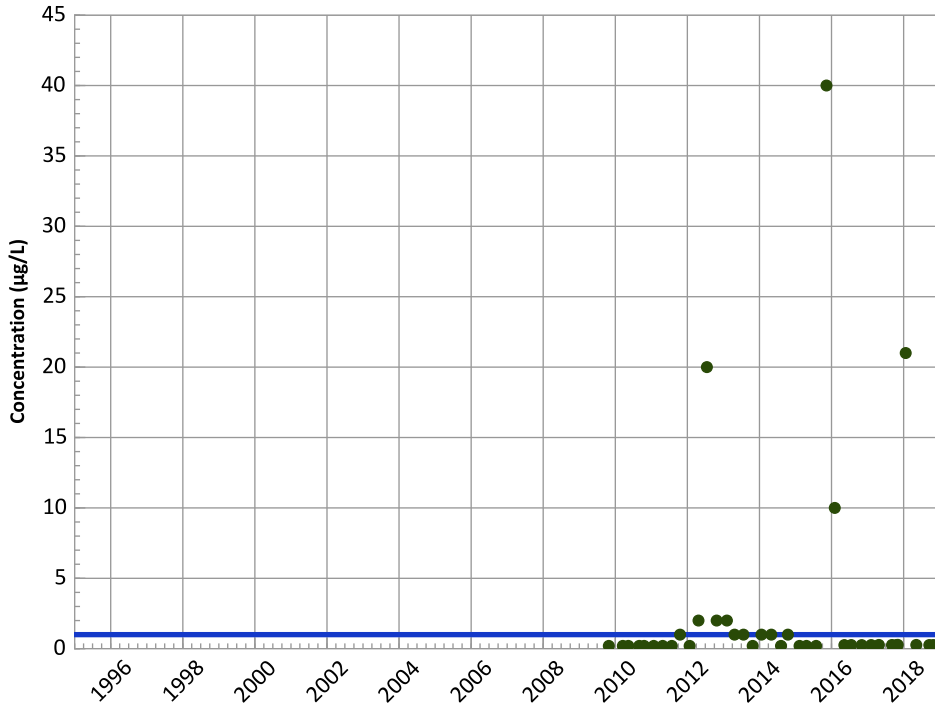


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend

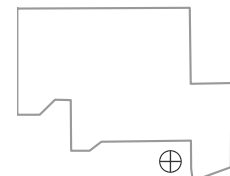


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

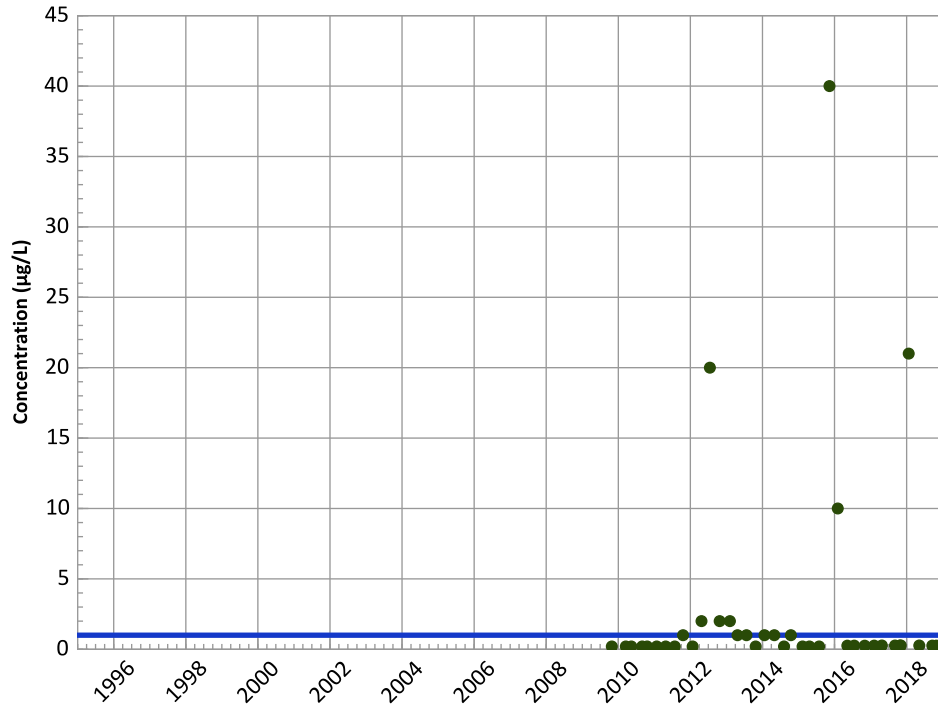


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

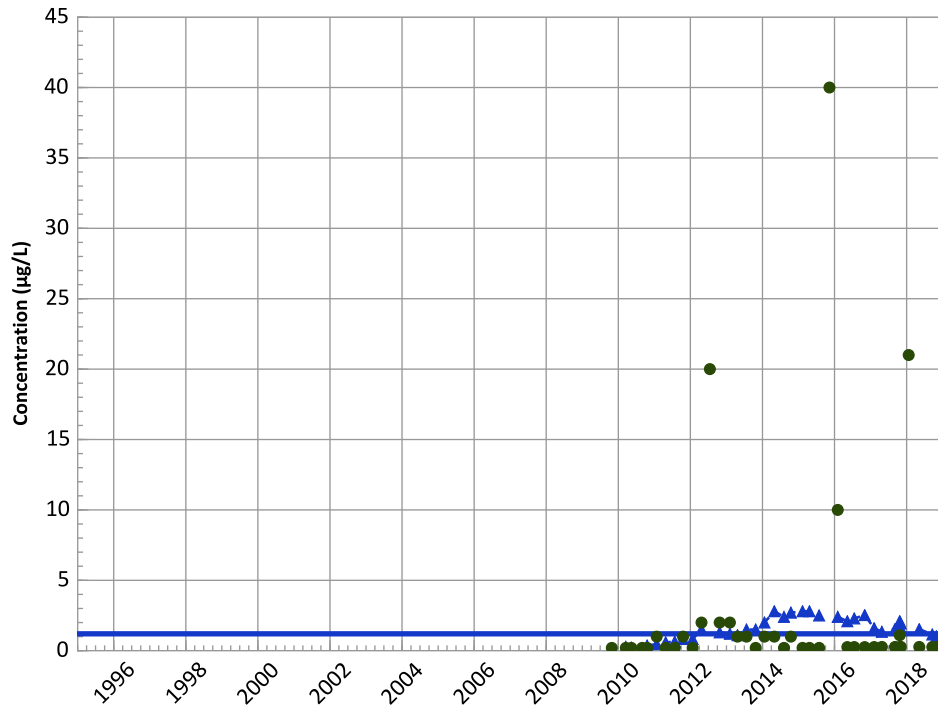
Data (2017 - 2021):

No Trend

All Data:

Probably Decreasing

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

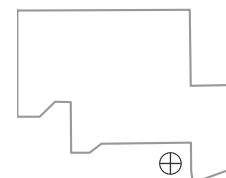
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

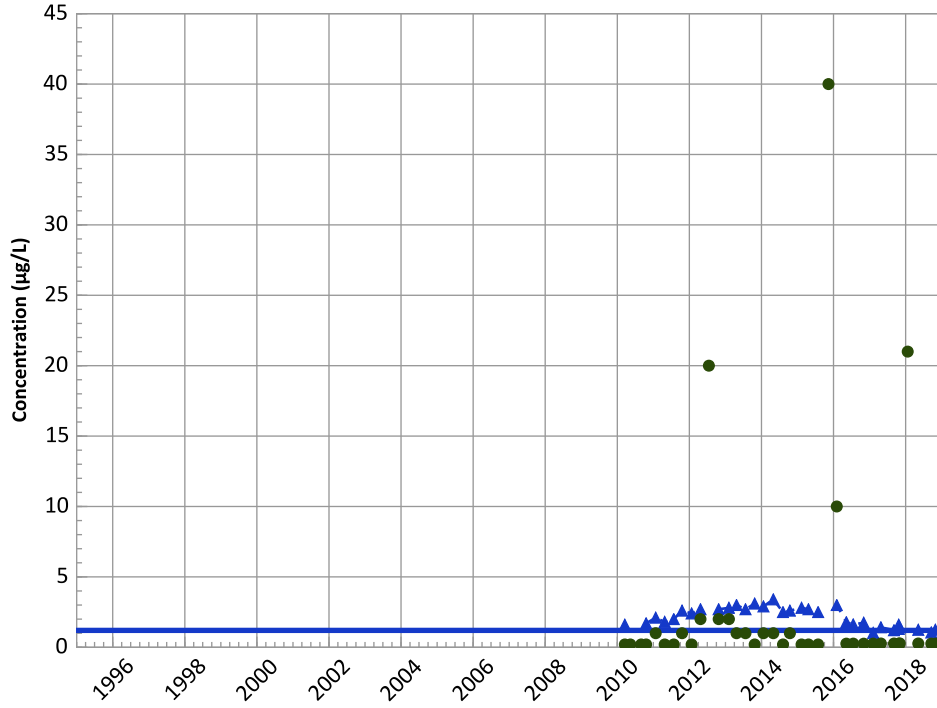
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

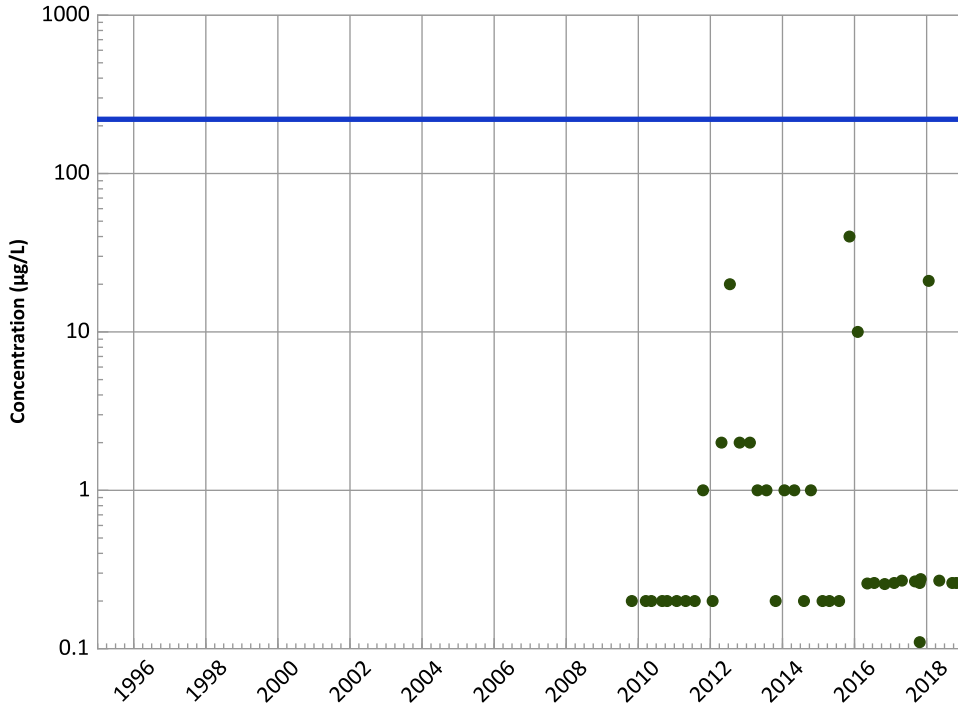
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

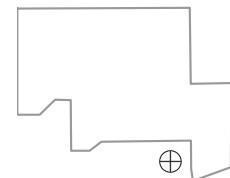
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

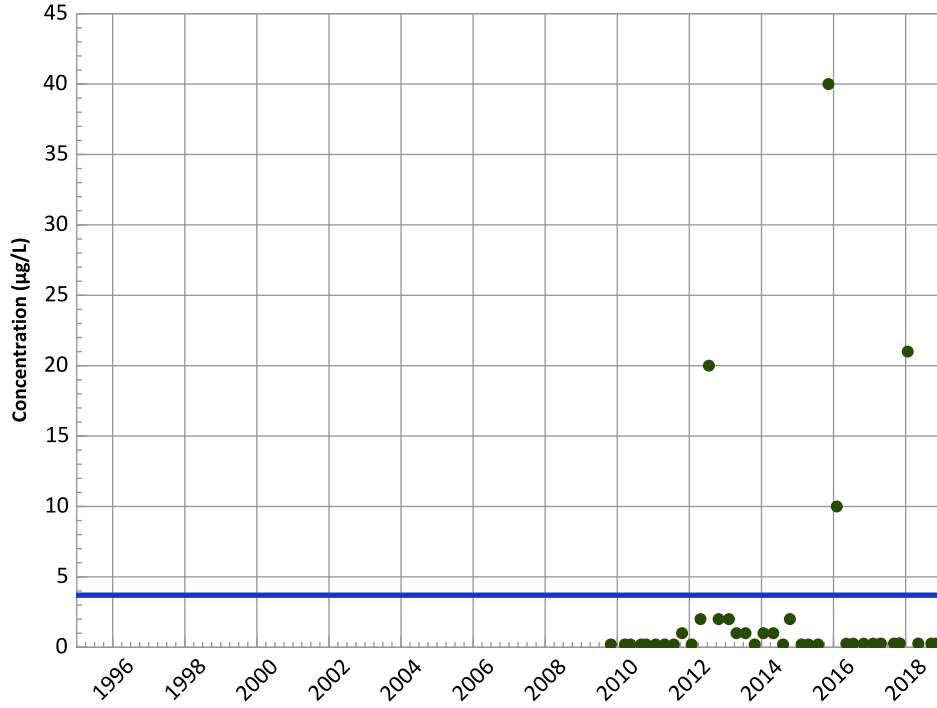
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

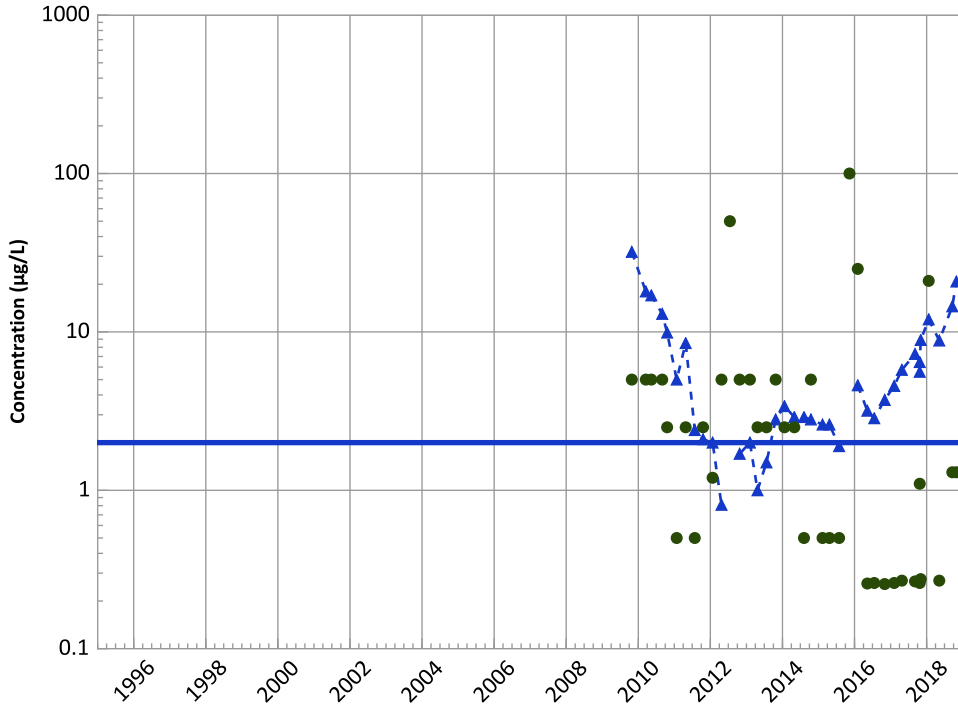
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

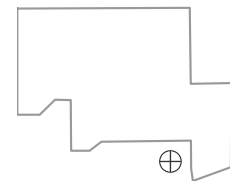
Data (2017 - 2021):

Increasing

All Data:

No Trend

Well Location

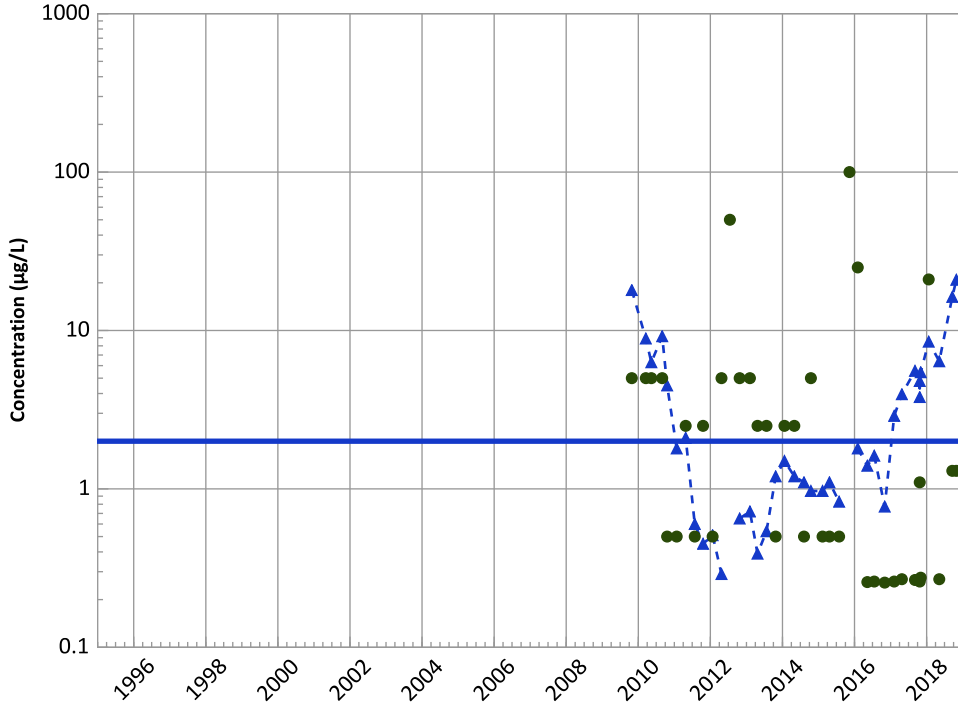


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

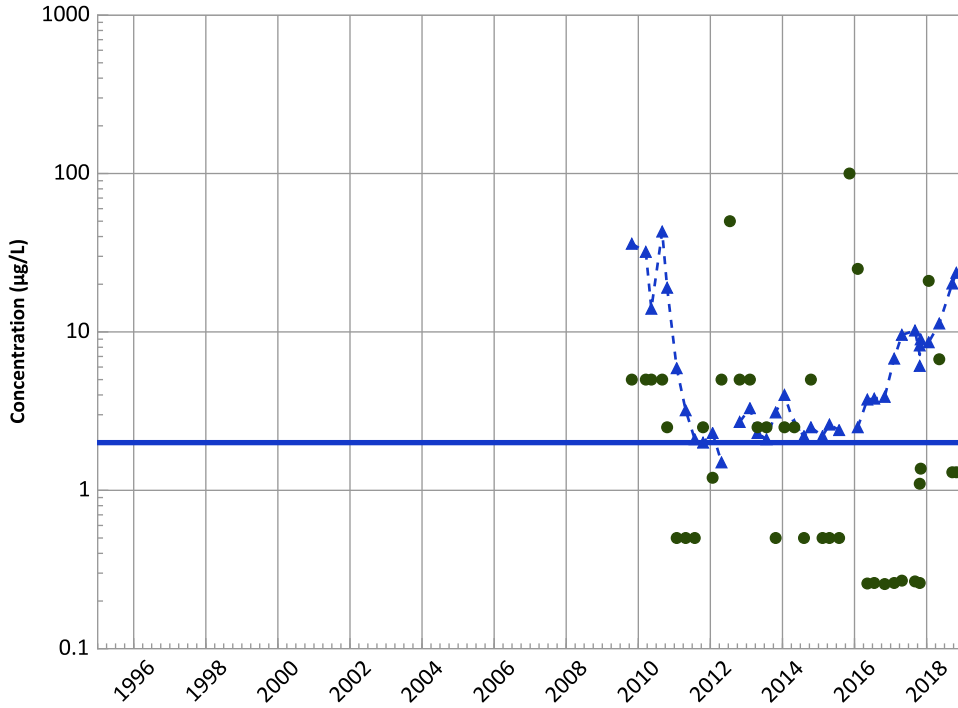
Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

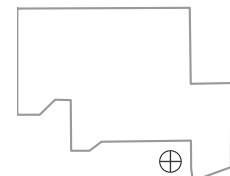
Query Date Range: 01/01/1992 to 12/31/2018

Data Date Range: 10/27/2009 to 10/29/2018

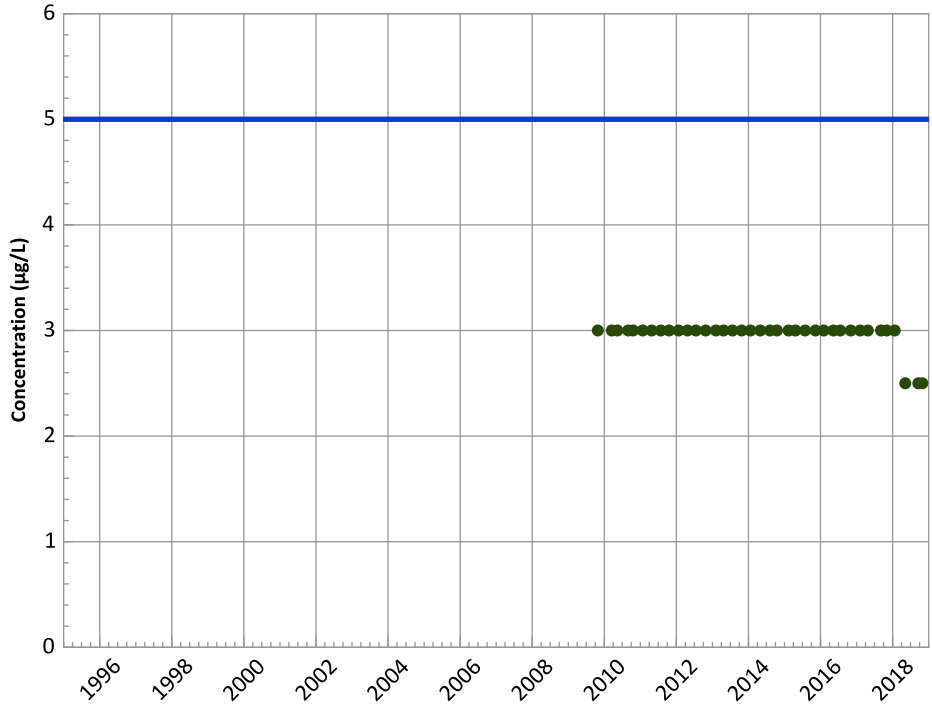
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

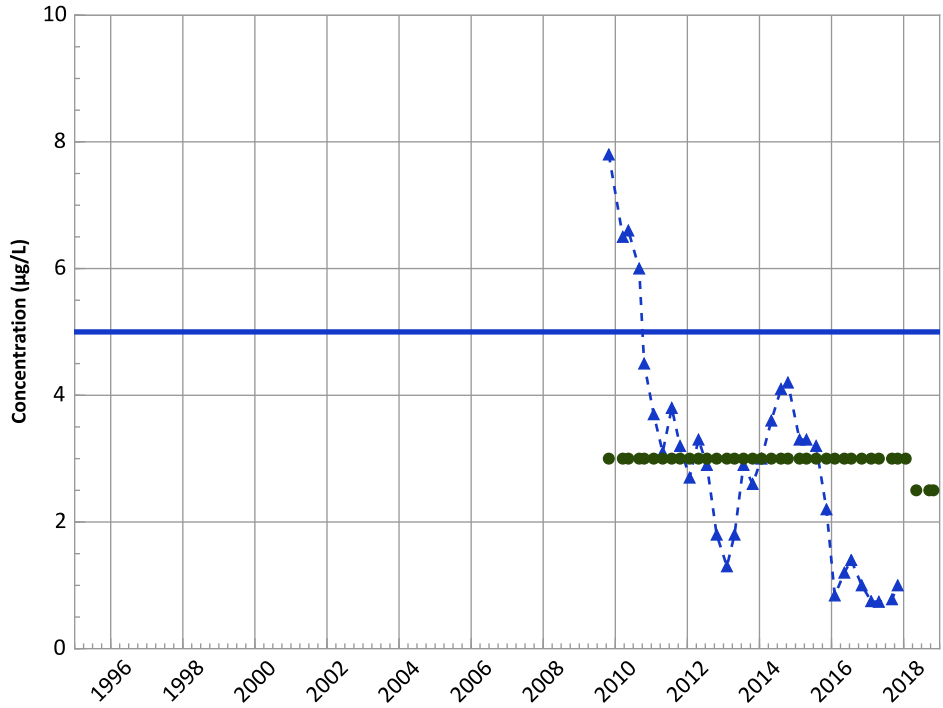
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

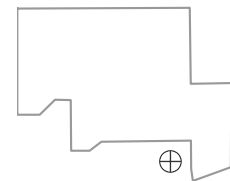
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

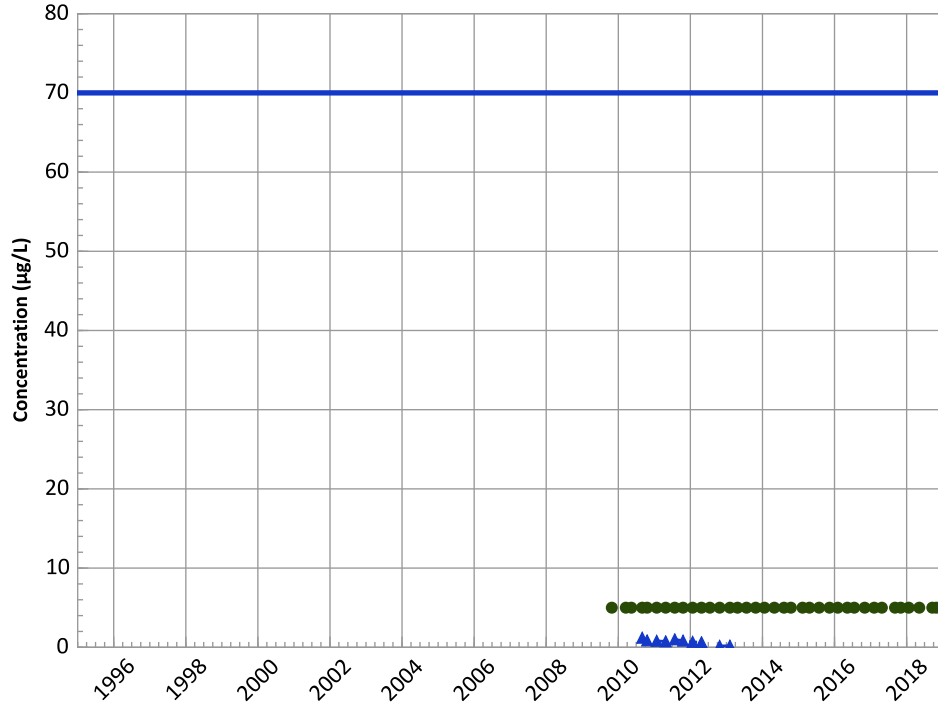


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

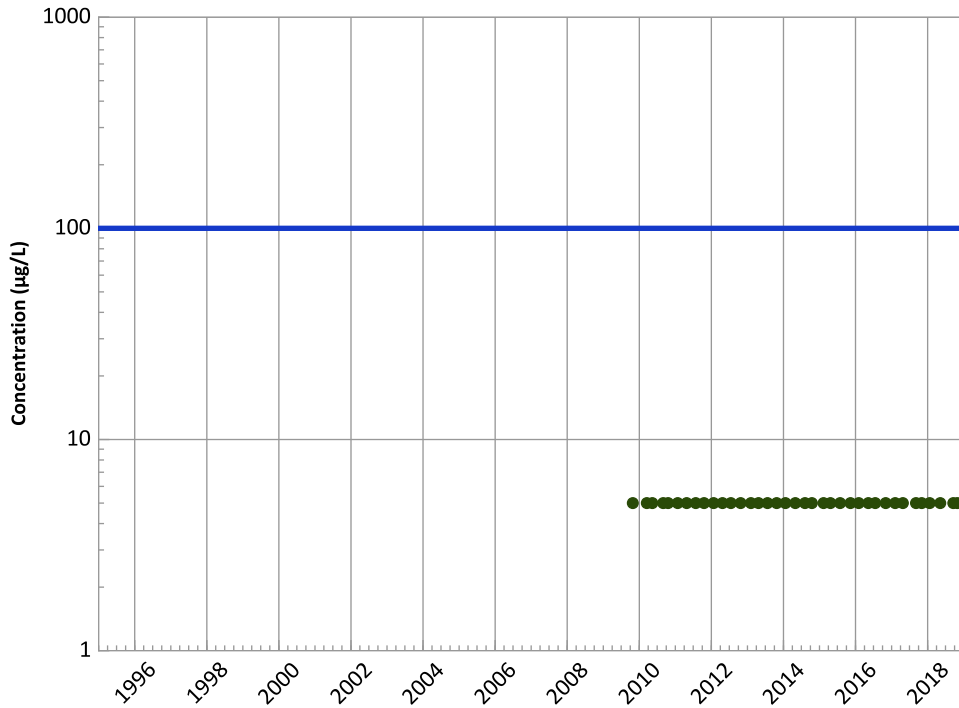
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

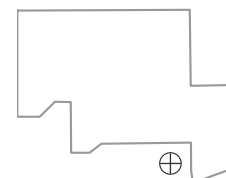
All Data:

All Non-Detect

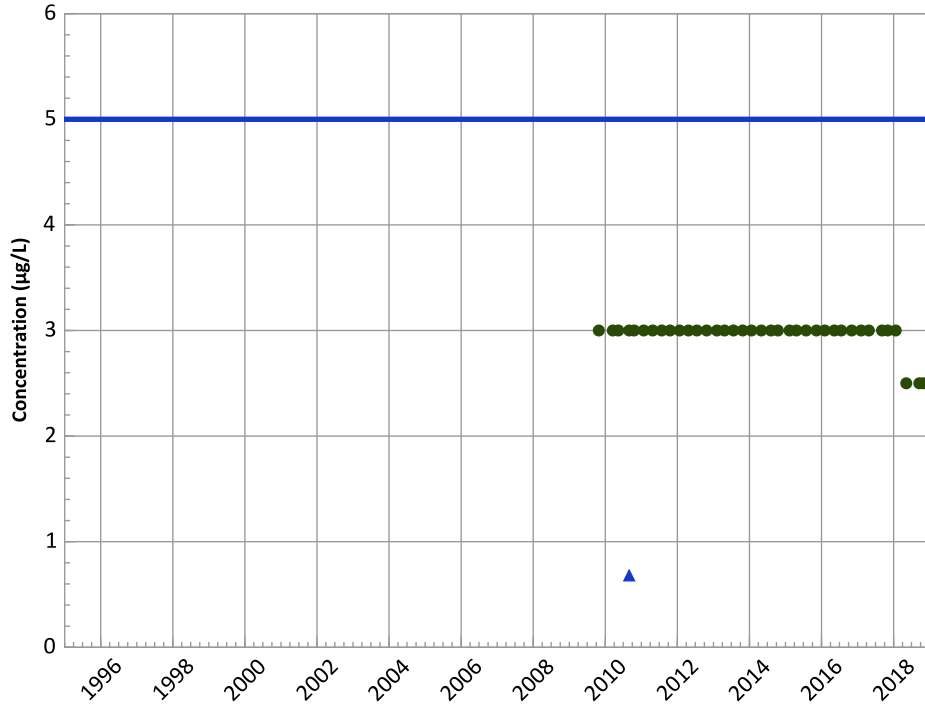
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

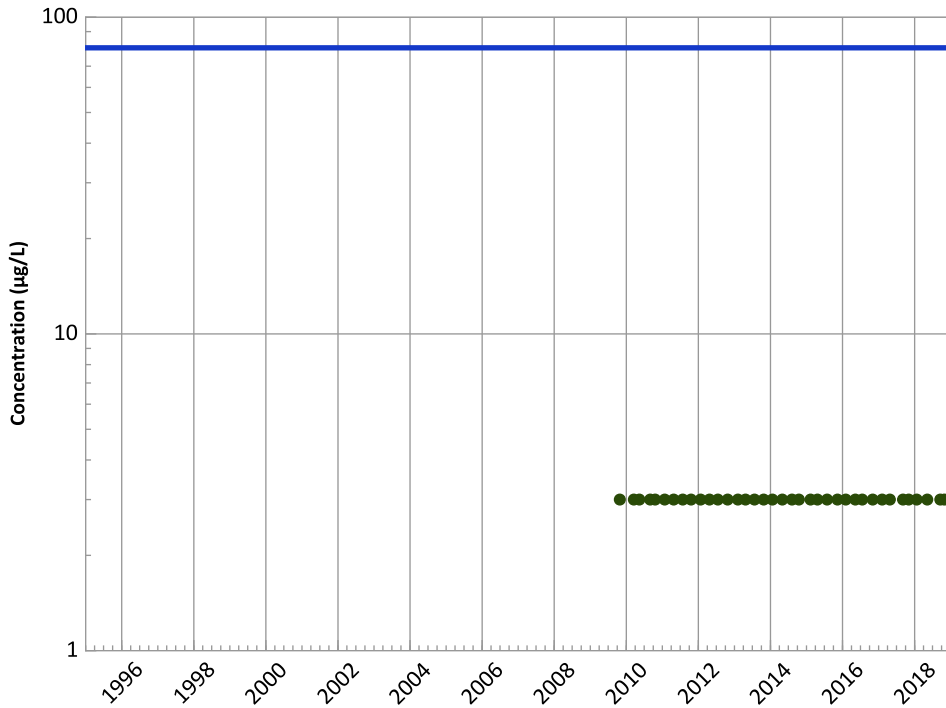
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

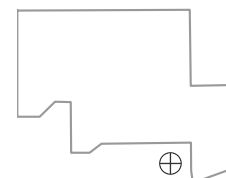
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

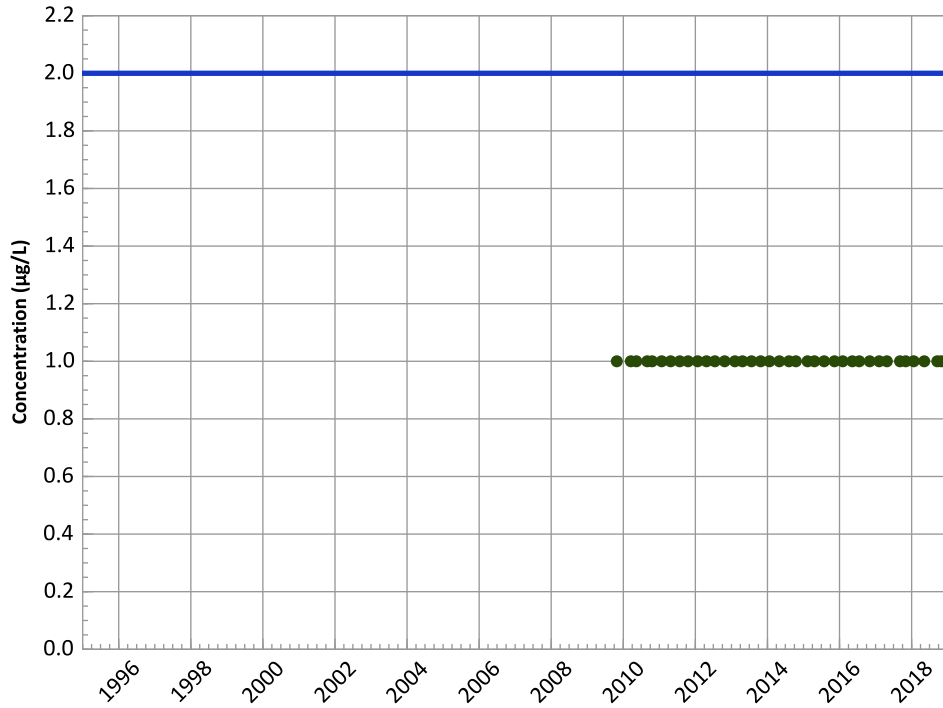
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

**PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

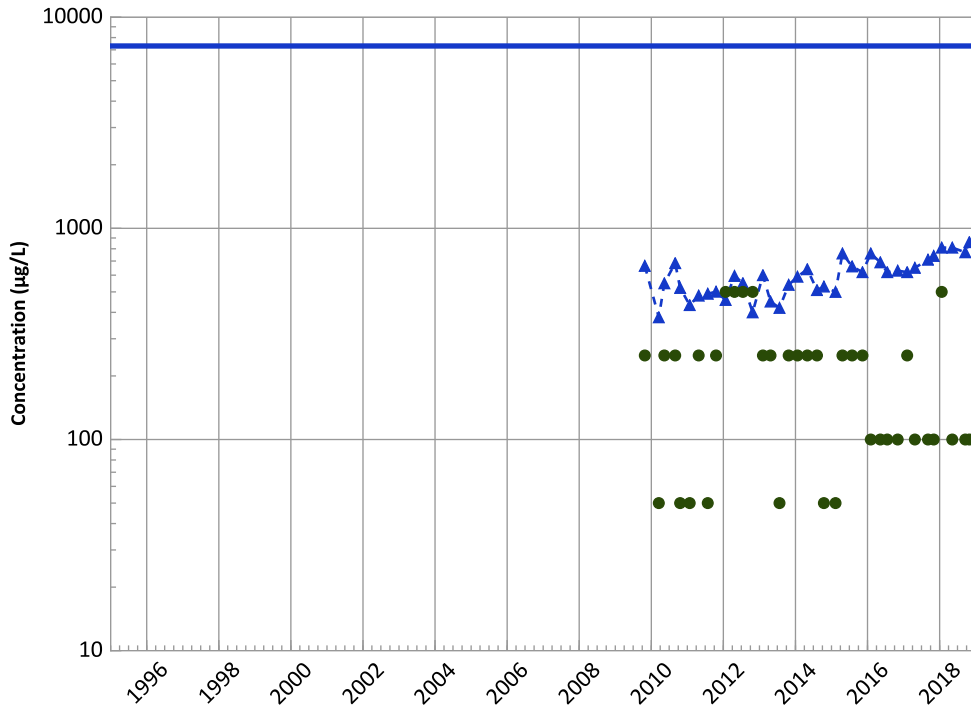


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Boron Trend

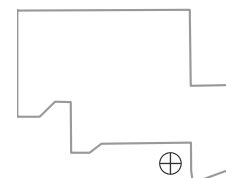


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

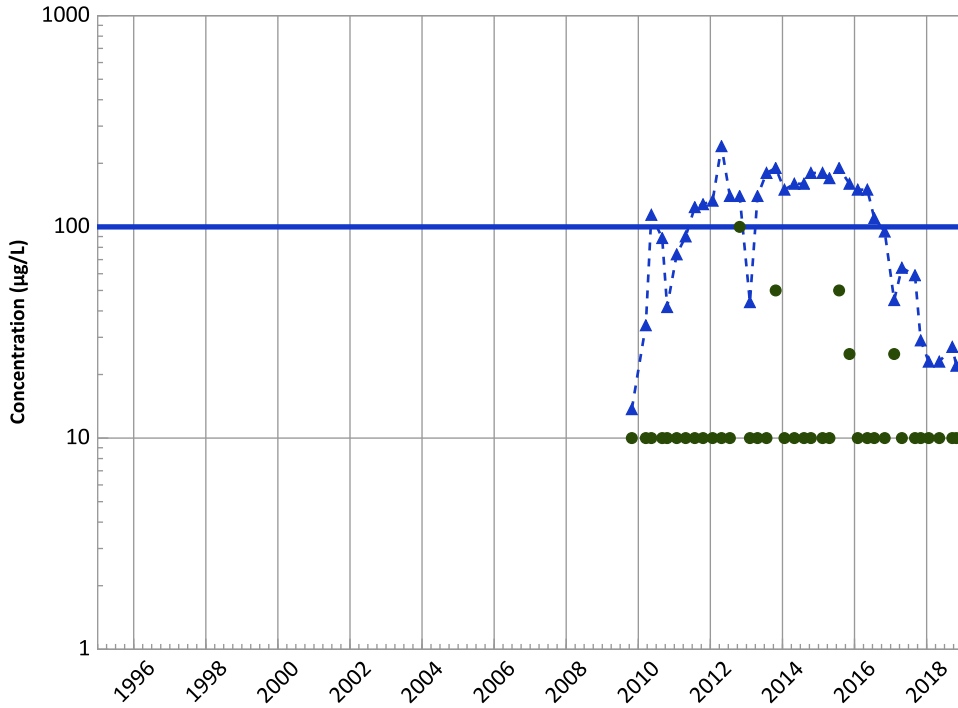
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Chromium, Total Trend

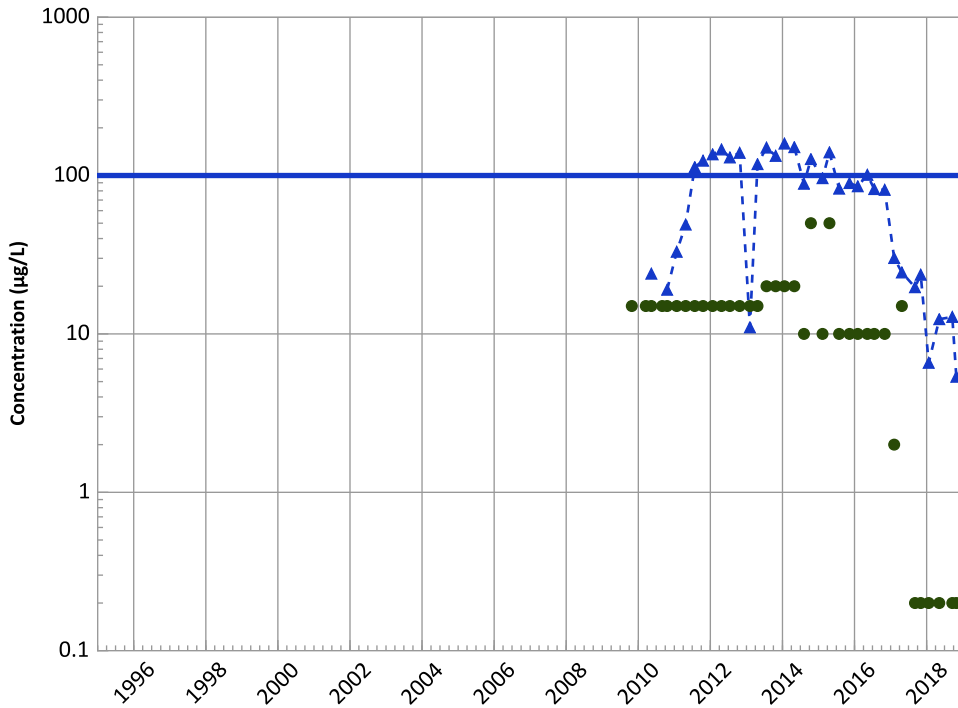


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 Decreasing
 All Data:
 Decreasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 Stable
 All Data:
 Probably Decreasing

Chromium, Hexavalent Trend

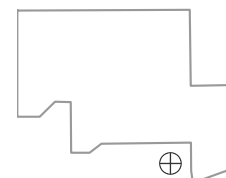


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 Decreasing
 All Data:
 Decreasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 Stable
 All Data:
 Decreasing

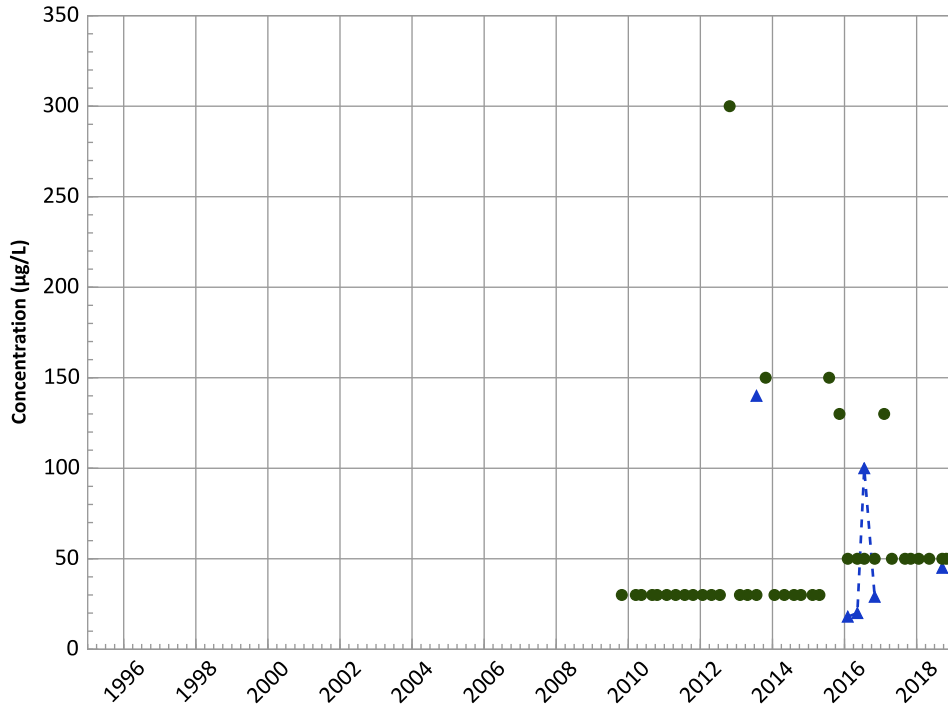
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/27/2009 to 10/29/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
 USDOE/NNSA Pantex Plant
 Aluminum Trend

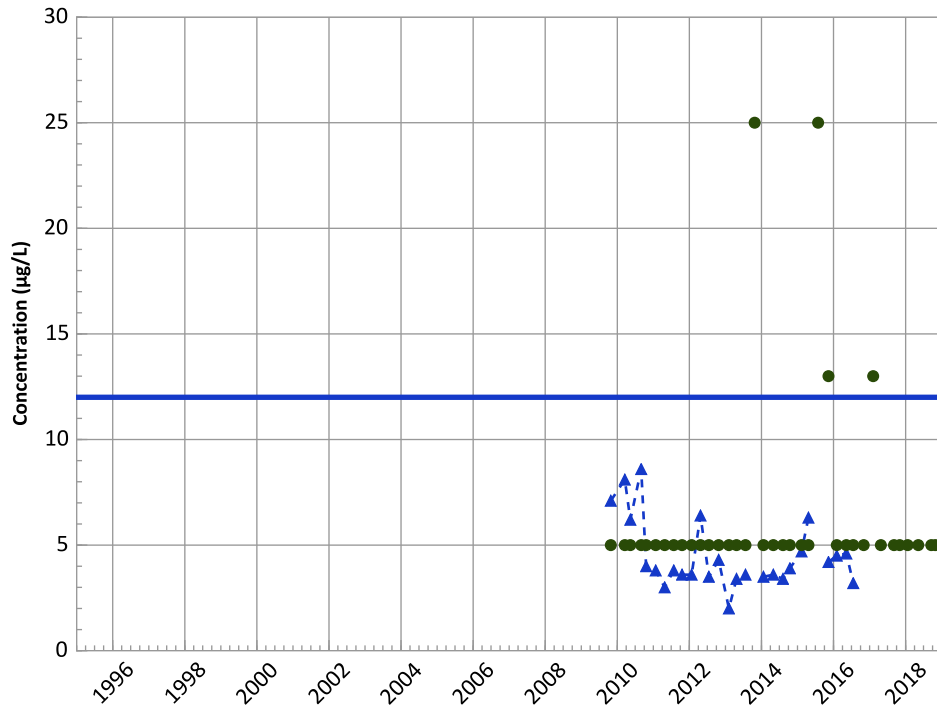


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 No Trend
 All Data:
 Increasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 Stable
 All Data:
 Stable

Arsenic Trend

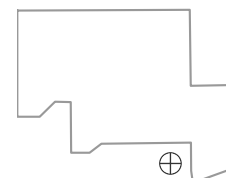


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 Increasing
 All Data:
 Decreasing

MAROS Linear Regression Method
 Data (2017 - 2021):
 No Trend
 All Data:
 Probably Decreasing

Well Location

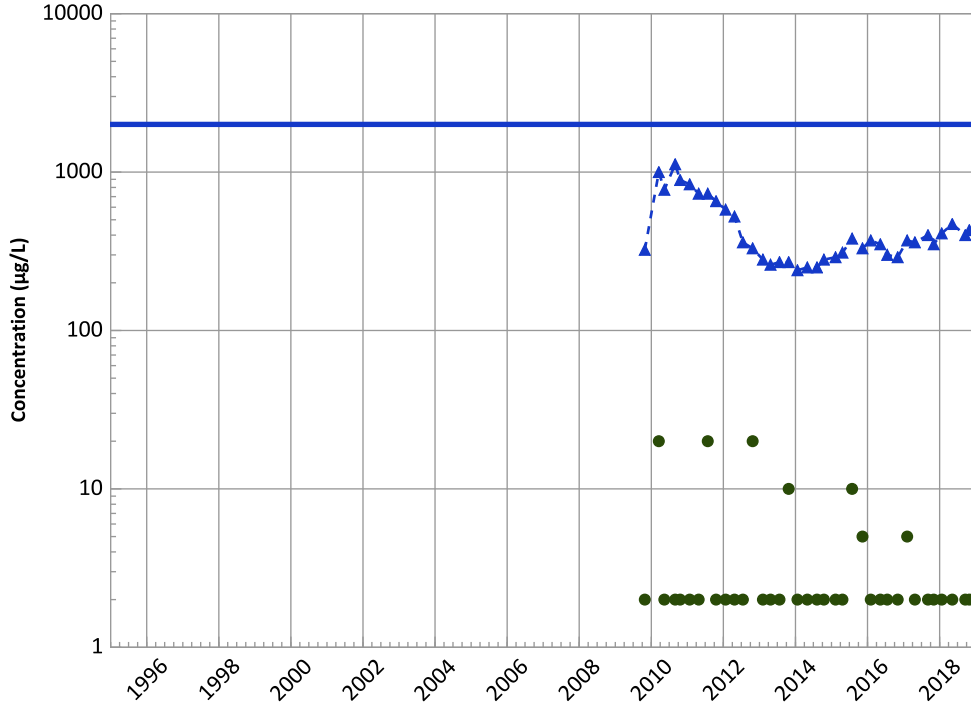


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/27/2009 to 10/29/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

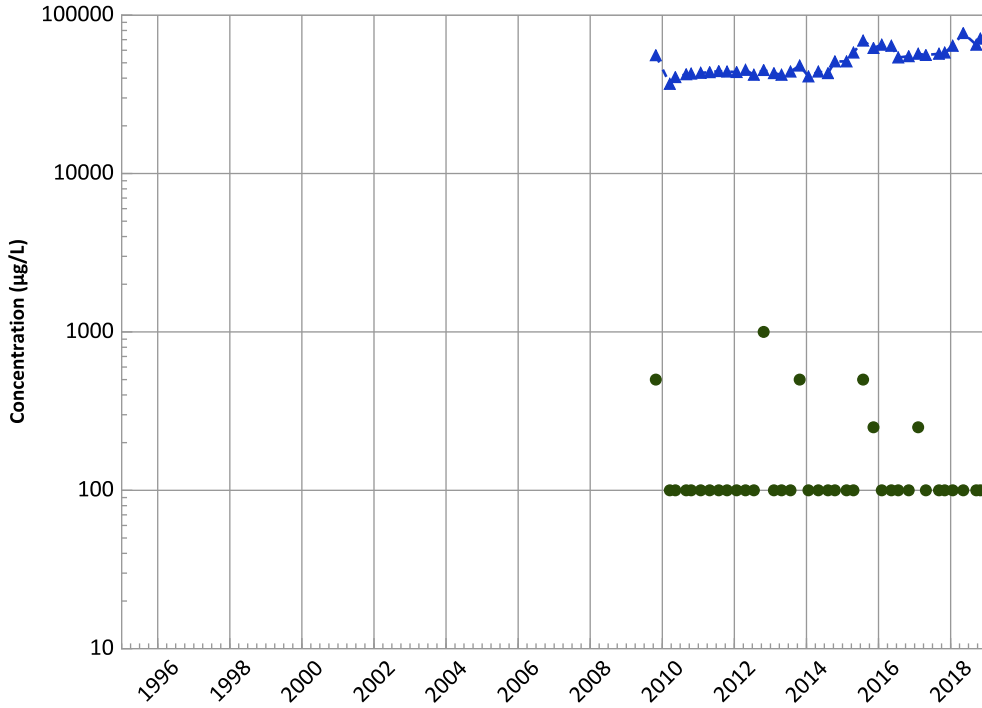
Data (2017 - 2021):

Stable

All Data:

Decreasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

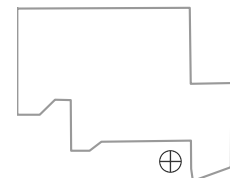
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

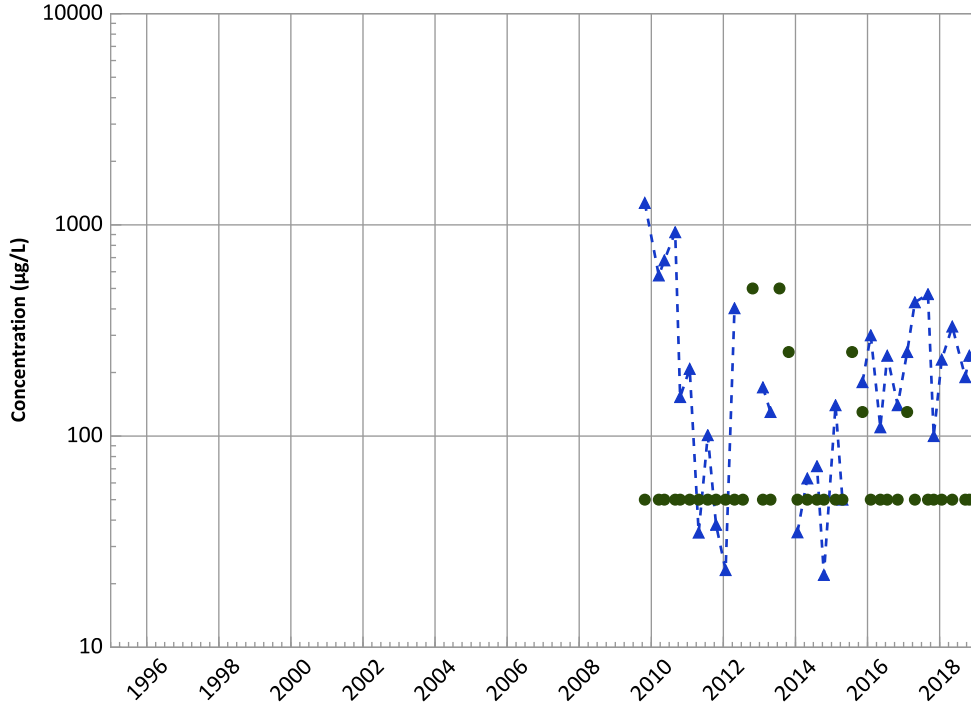
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

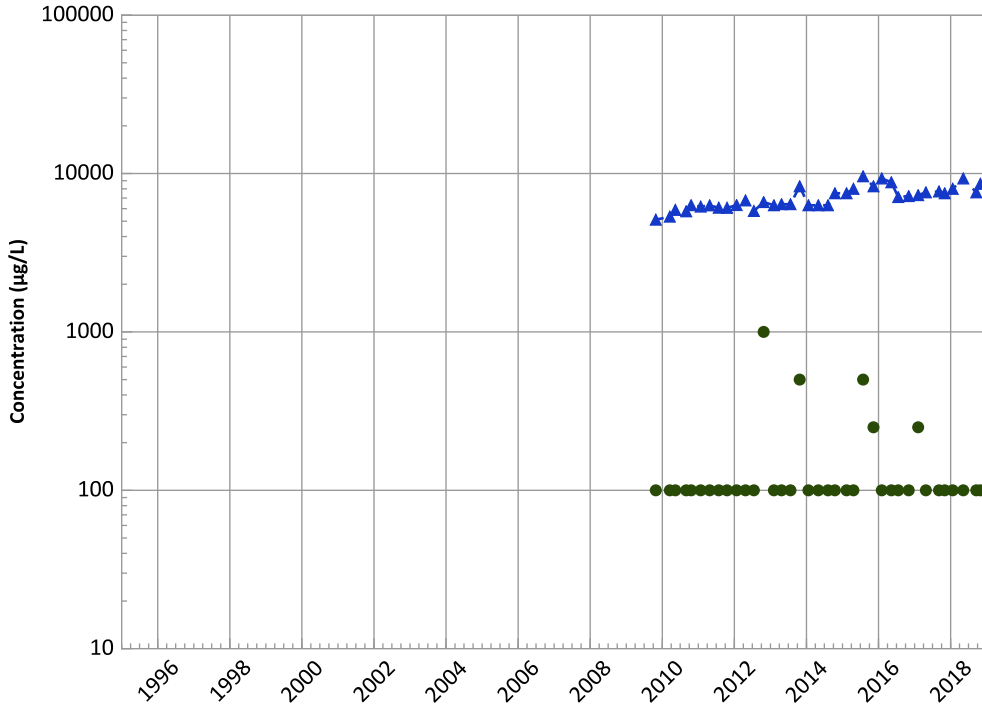
Data (2017 - 2021):

No Trend

All Data:

No Trend

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

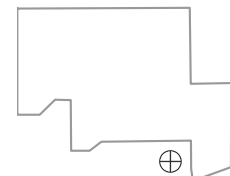
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

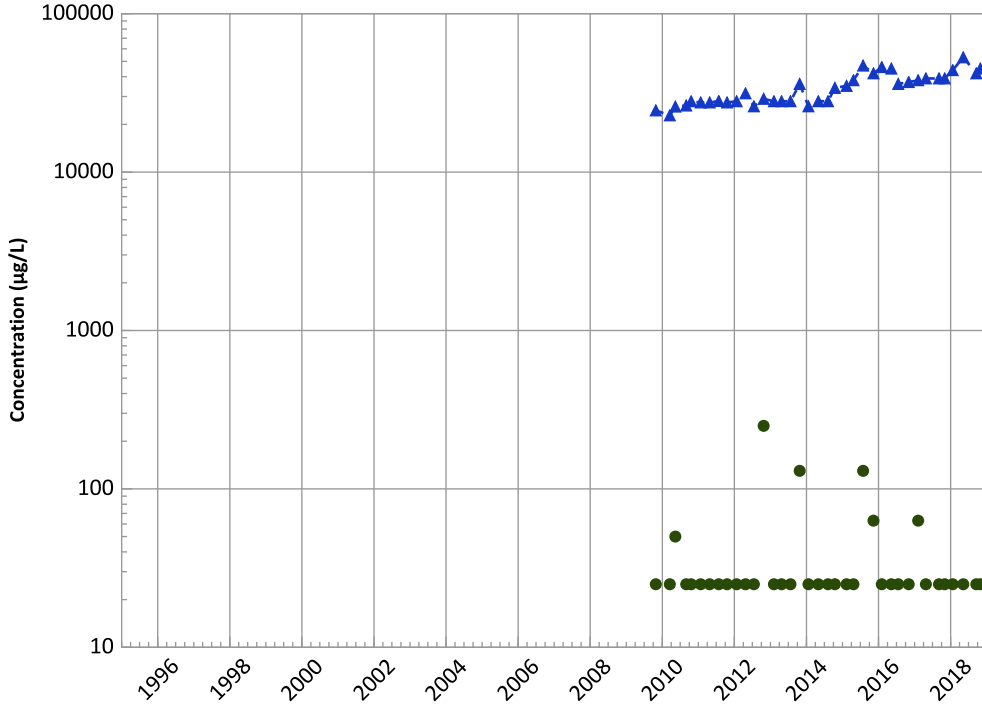


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

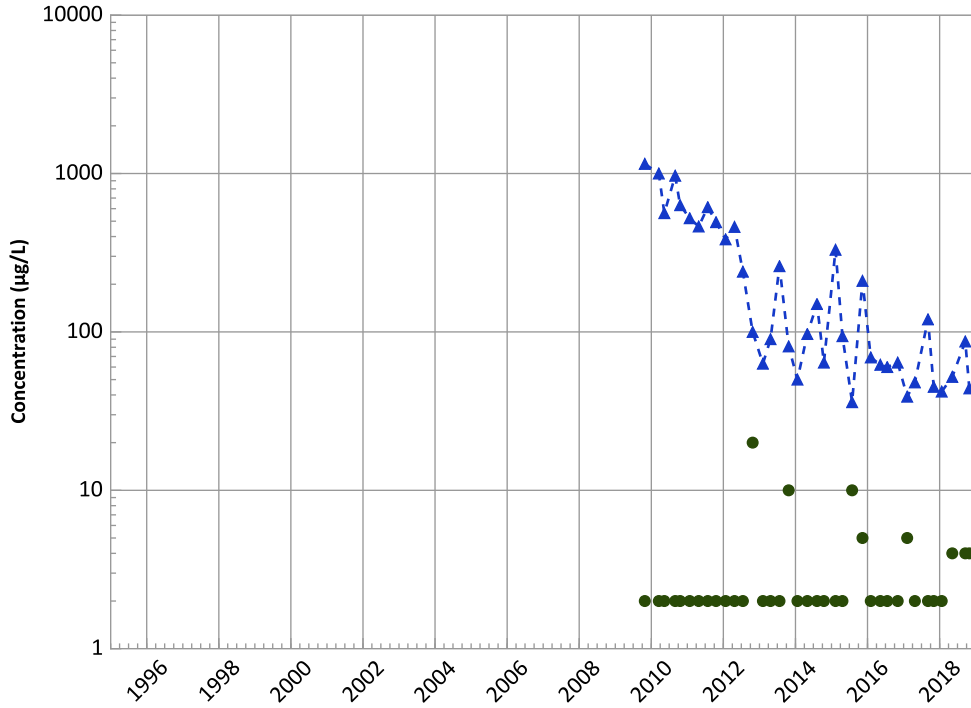
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

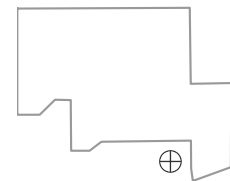
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

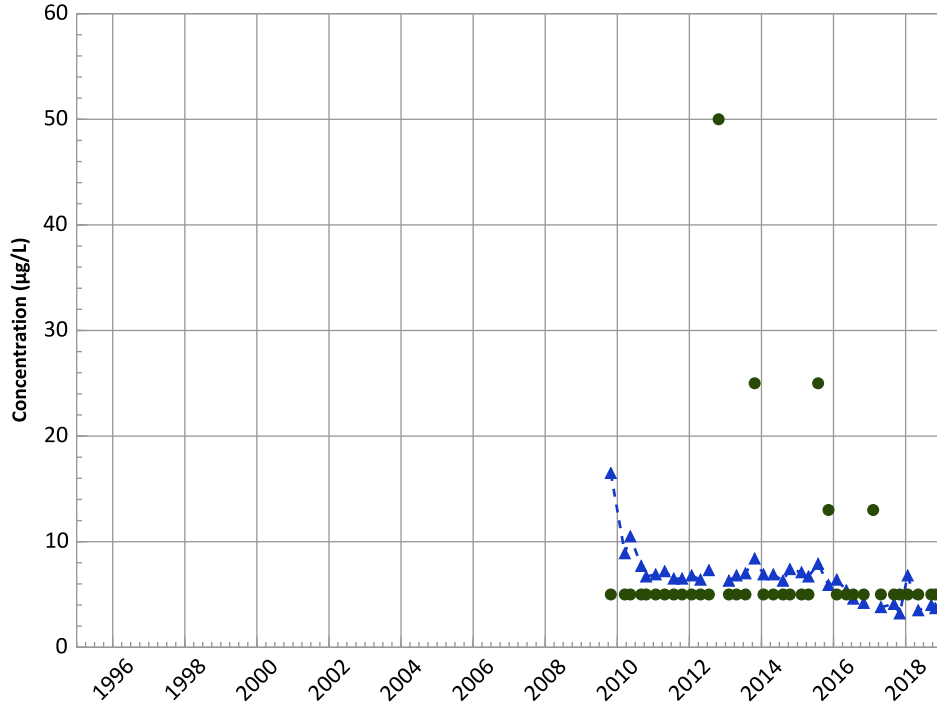


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

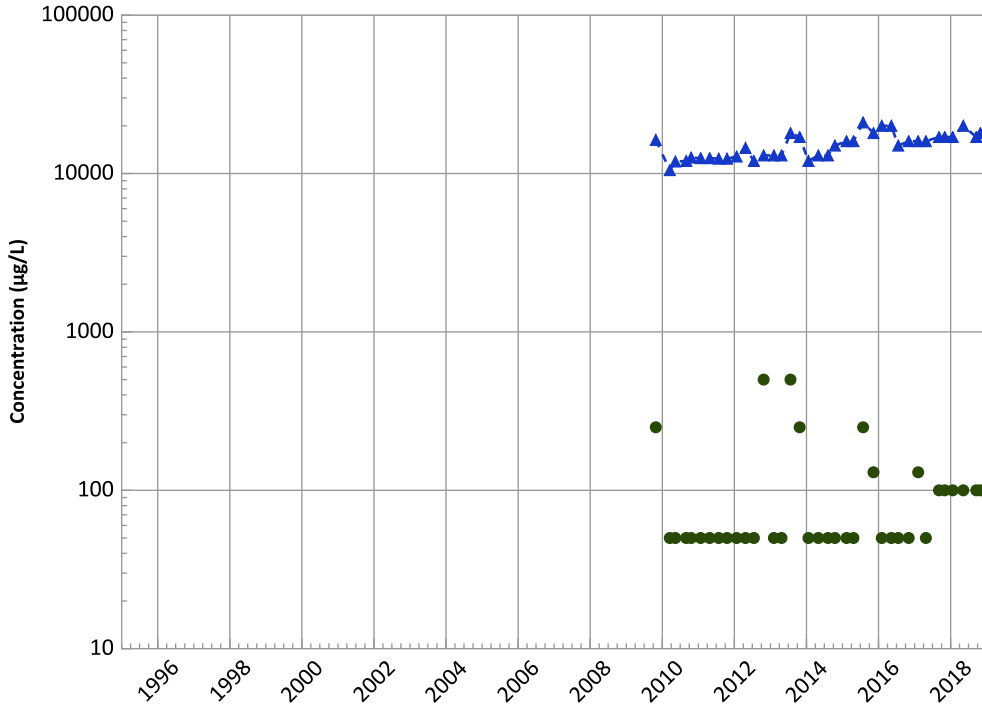
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

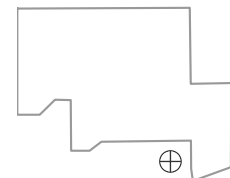
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

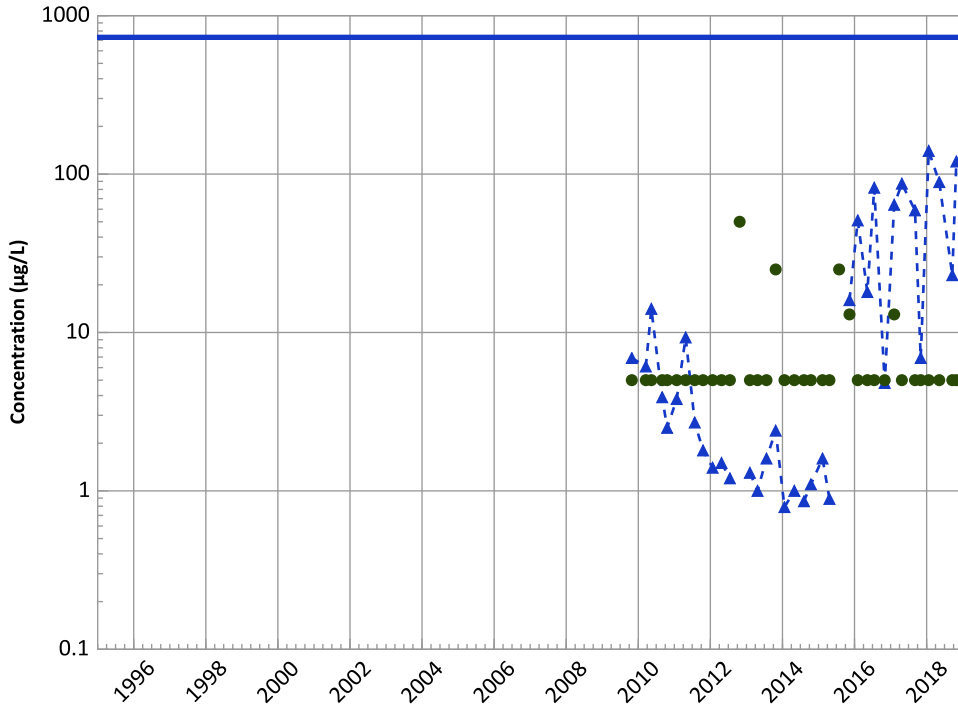


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend

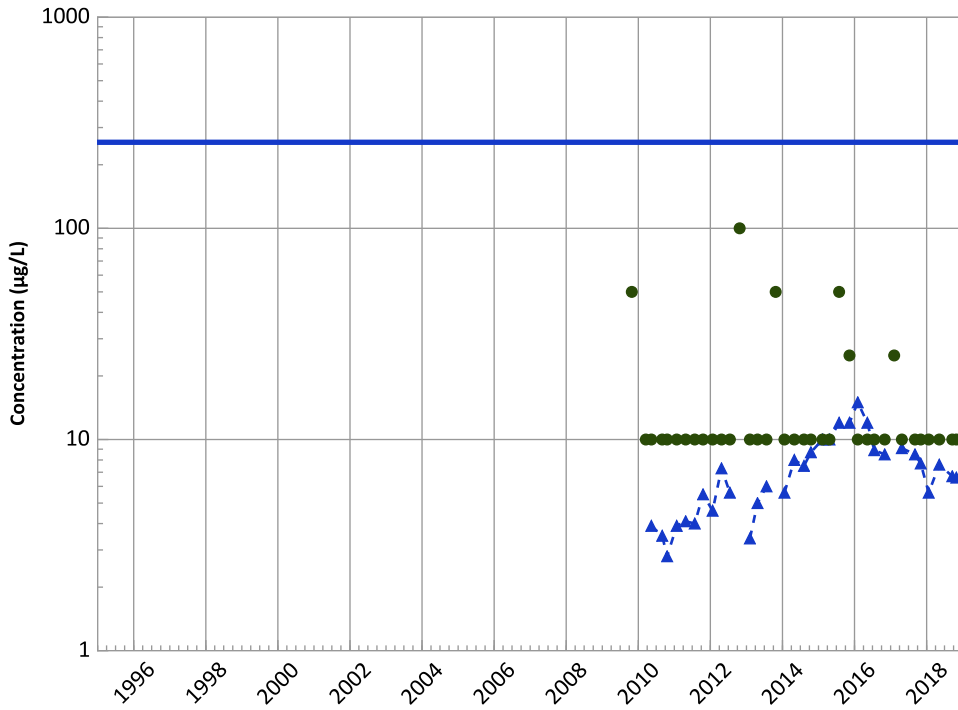


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Vanadium Trend

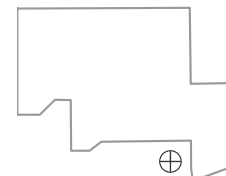


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Well Location

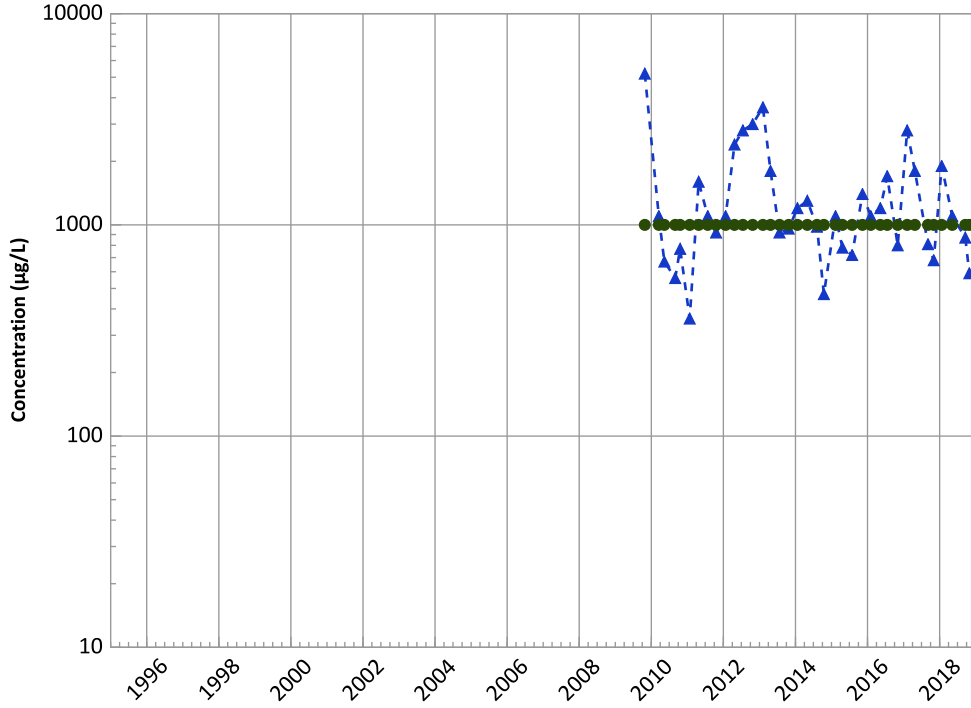


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1153 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

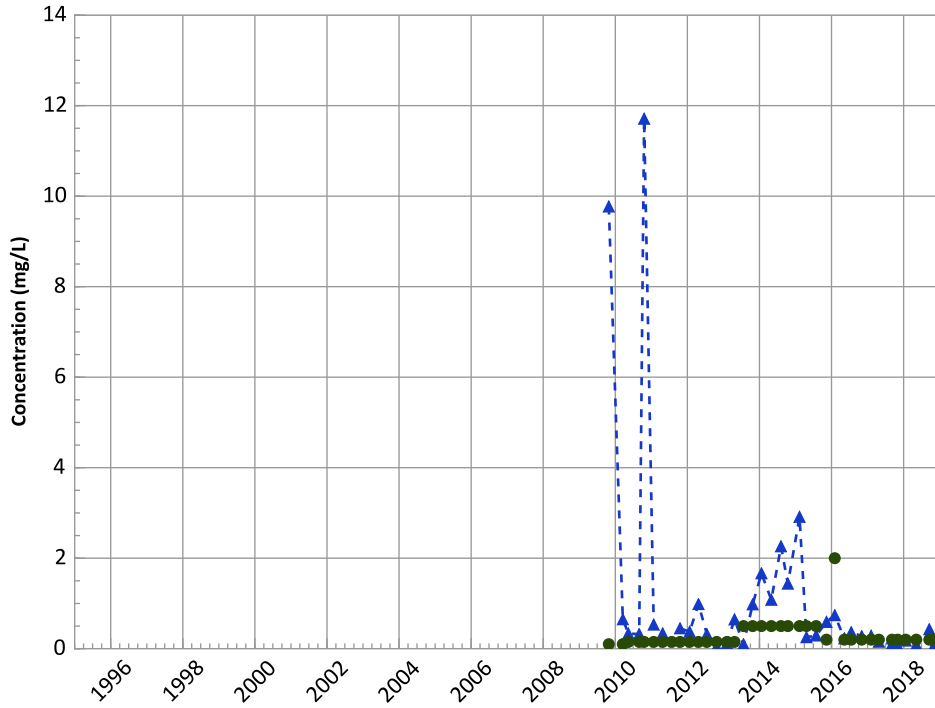
Data (2017 - 2021):

Decreasing

All Data:

Stable

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

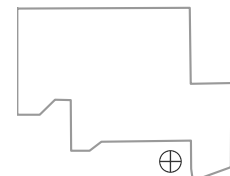
Data (2017 - 2021):

No Trend

All Data:

Decreasing

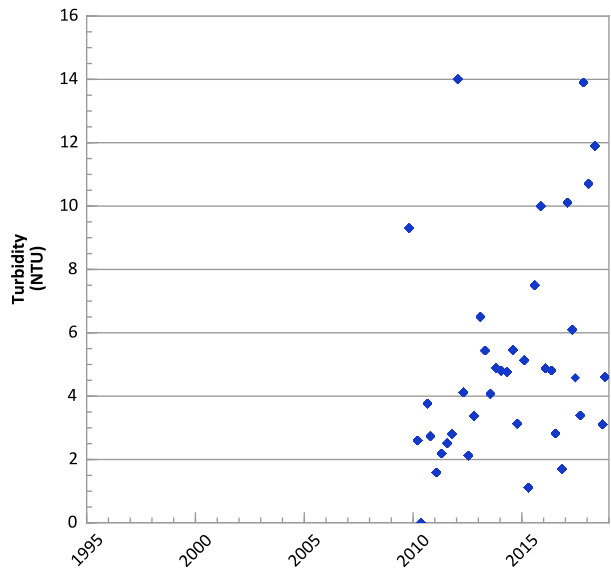
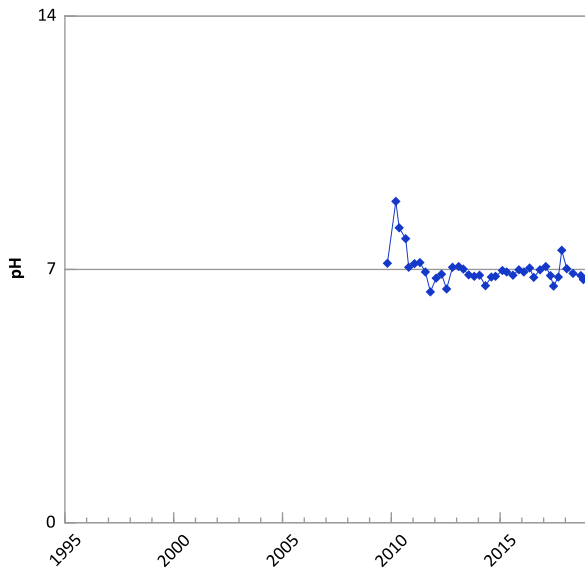
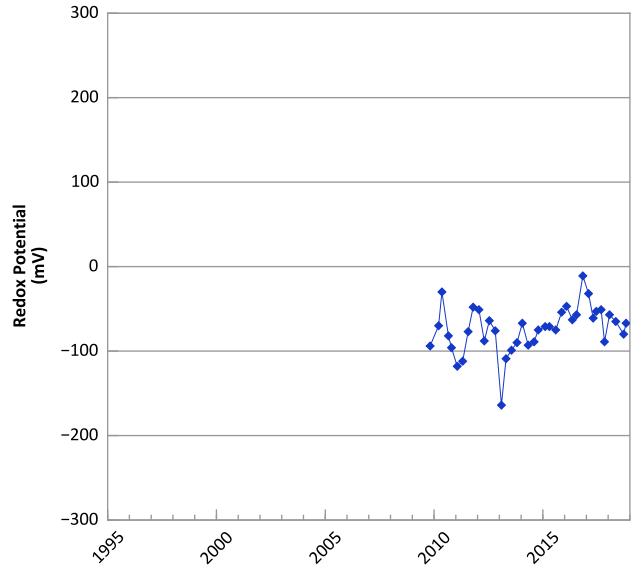
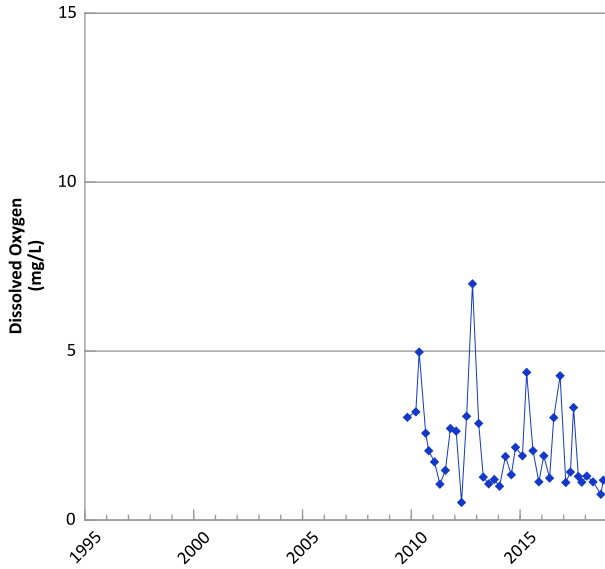
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

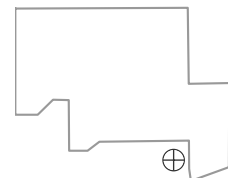
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



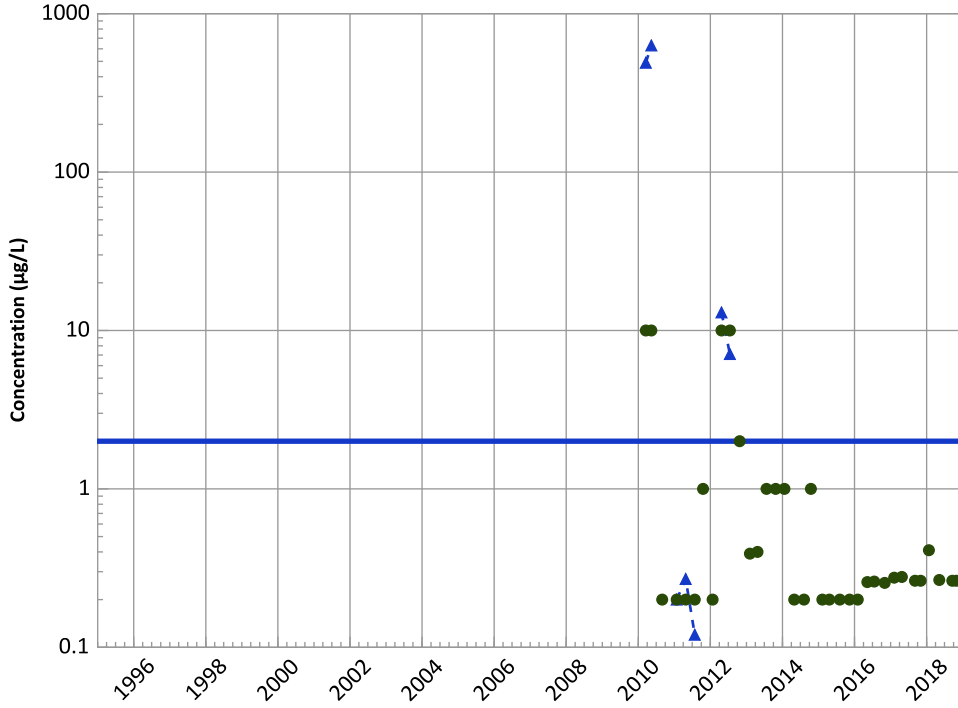
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/27/2009 to 10/29/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

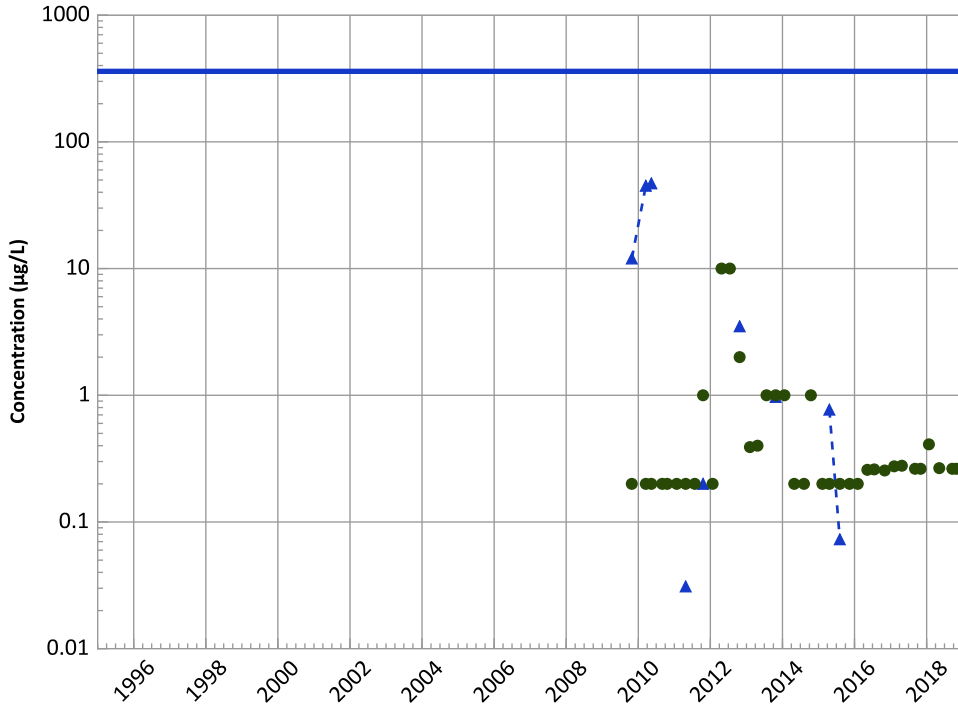


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

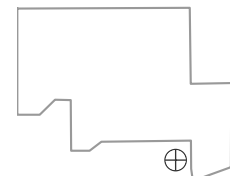


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
Probably Decreasing

Well Location

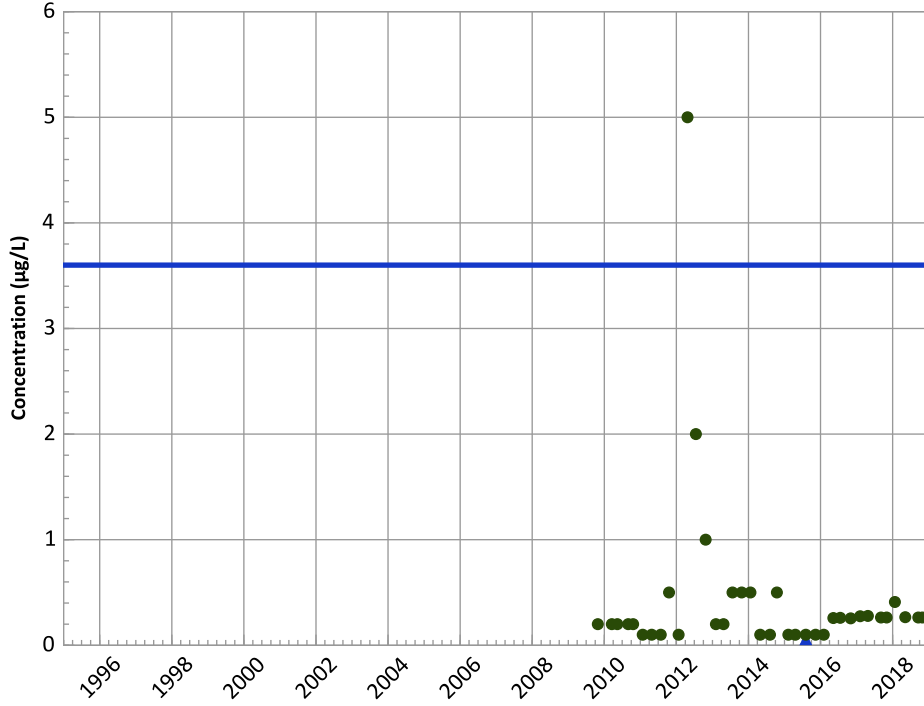


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

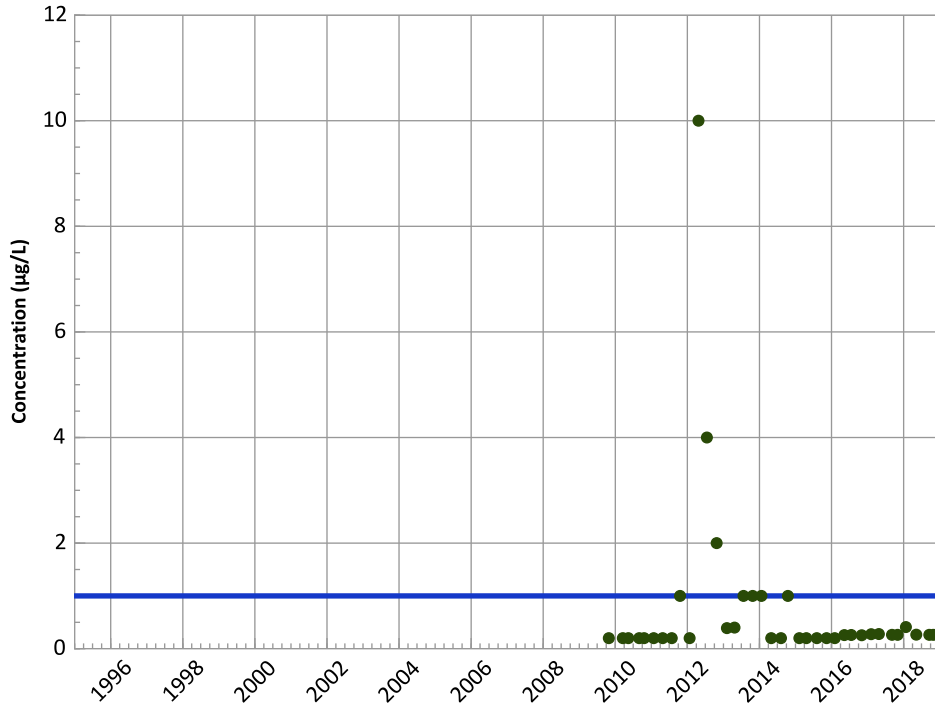


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2,4-Dinitrotoluene Trend



Concentration Trend

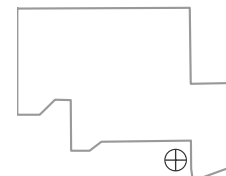
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

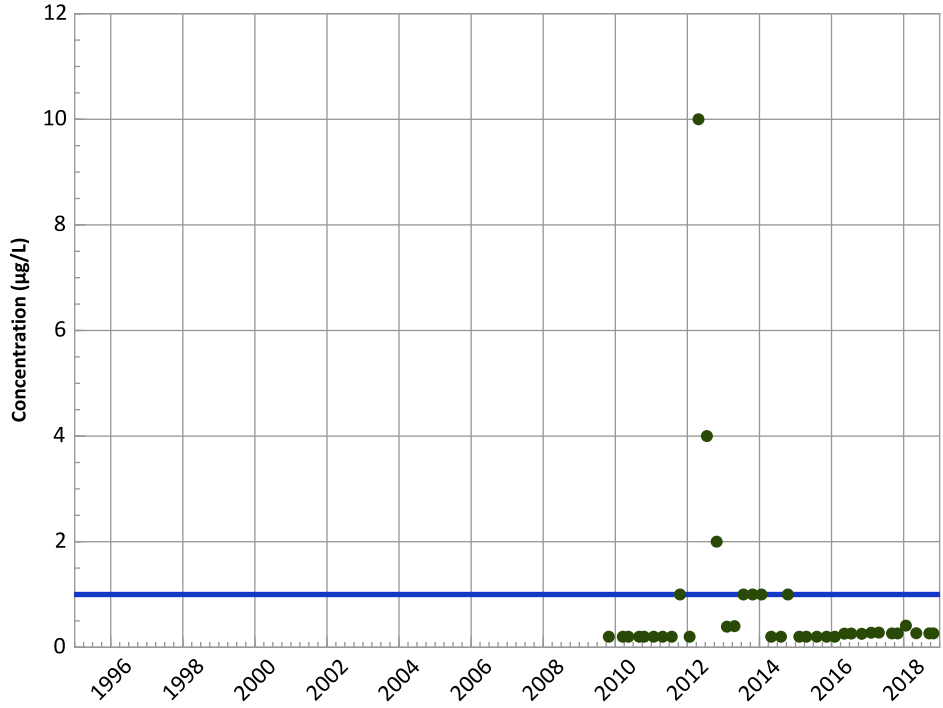
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

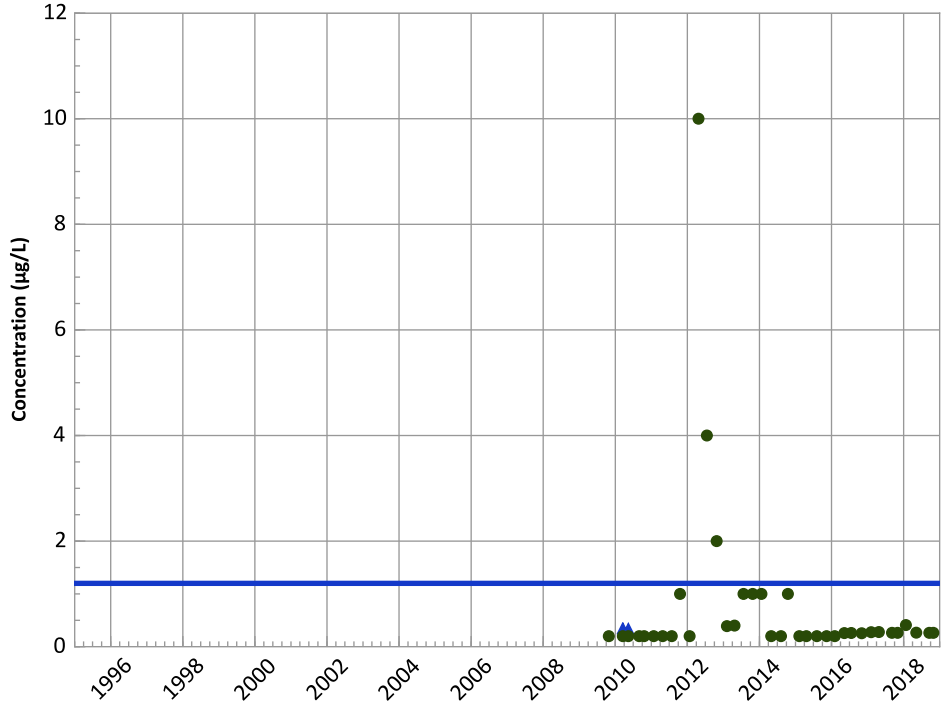
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

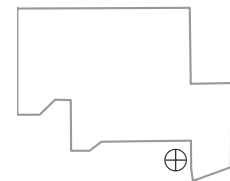
All Data:

N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

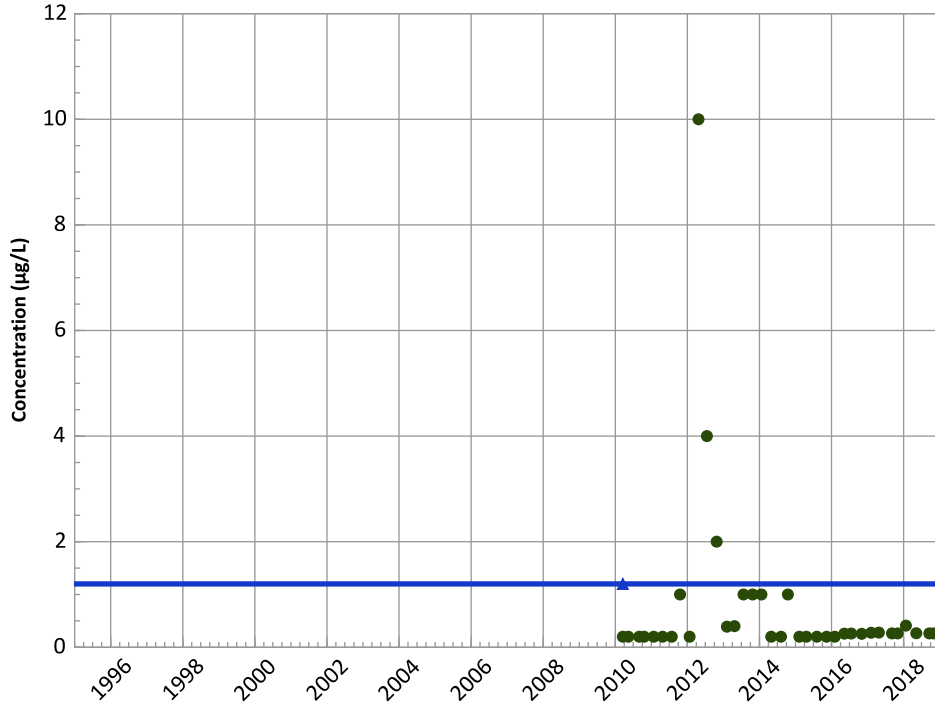
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

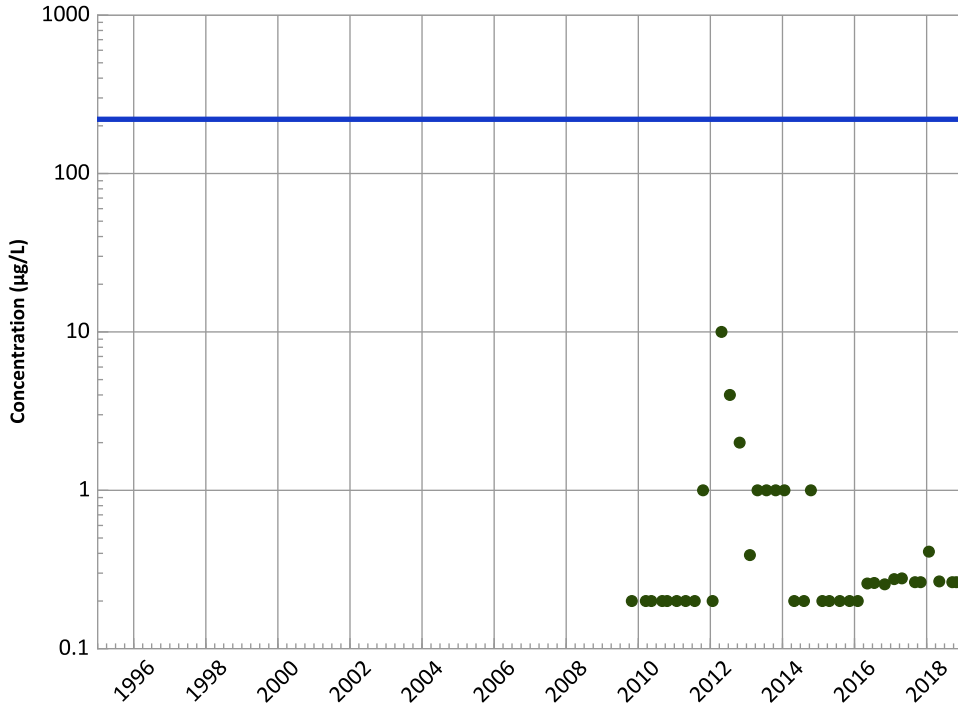


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend

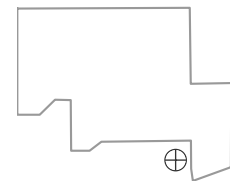


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

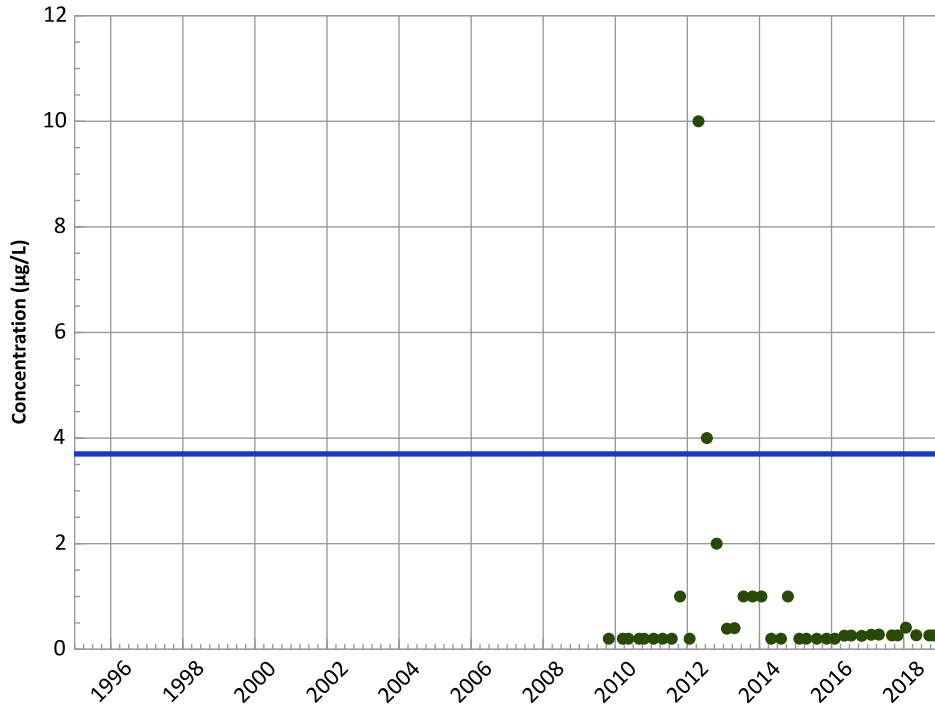


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

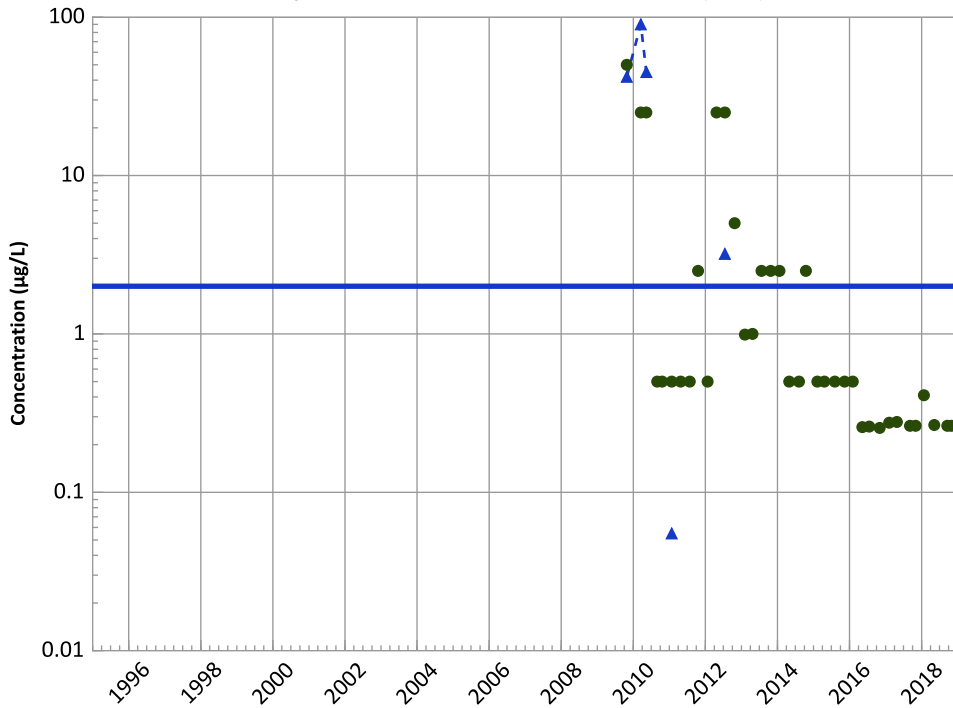
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

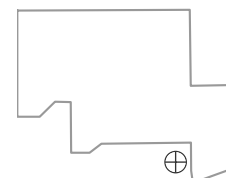
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

No Trend

Well Location

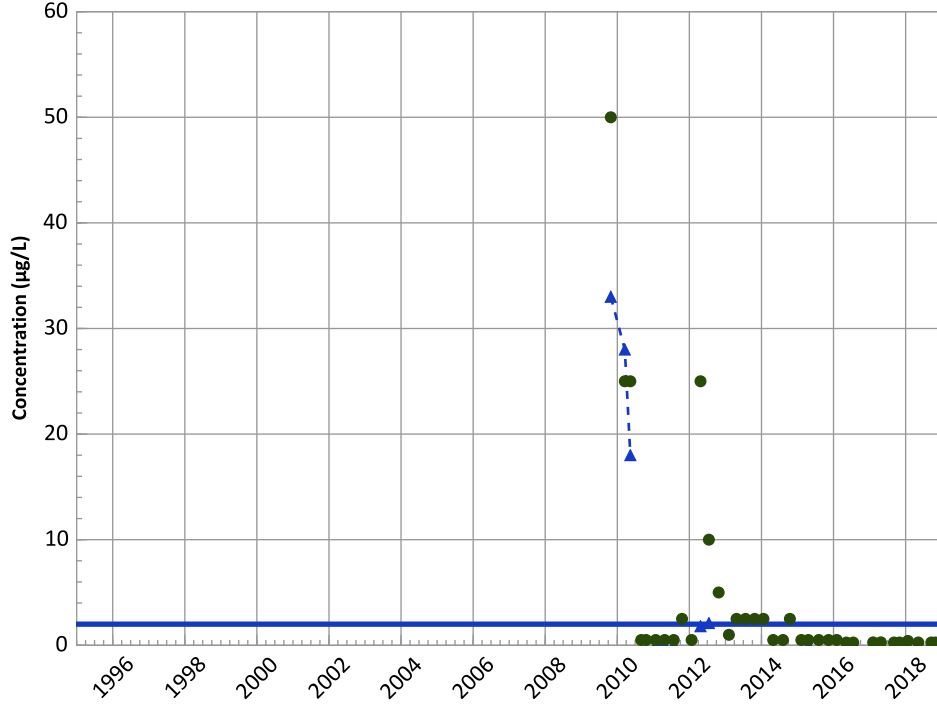


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

Hexahydro-1,3-Dinitroso-5-Nitro-1,3,5-Triazine (DNX) Trend

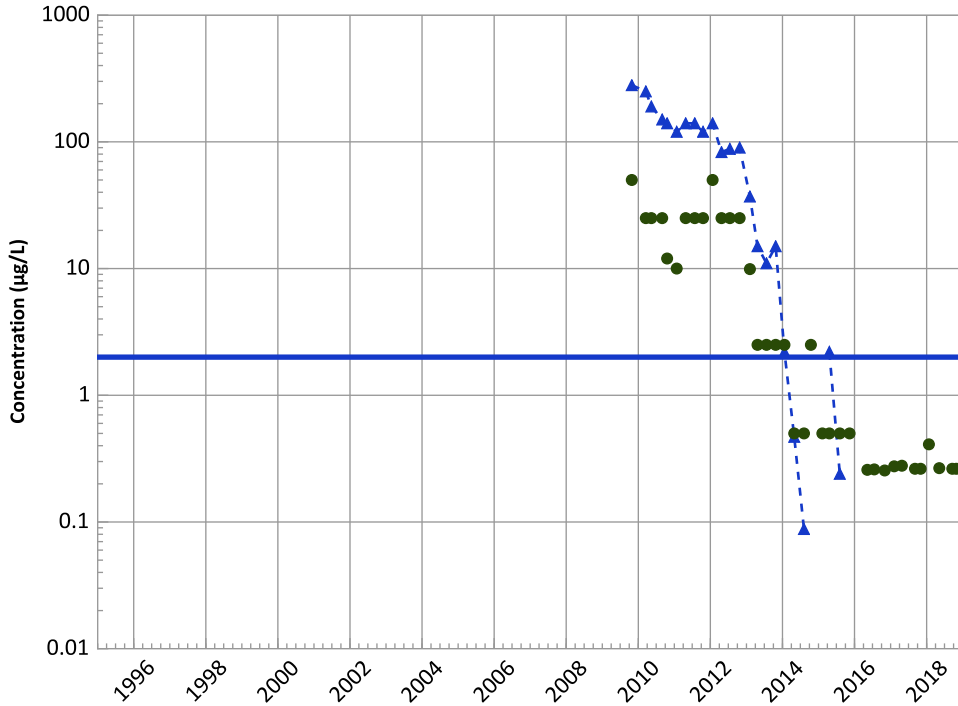


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend

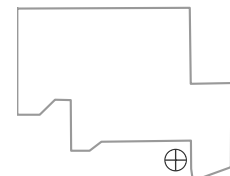


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

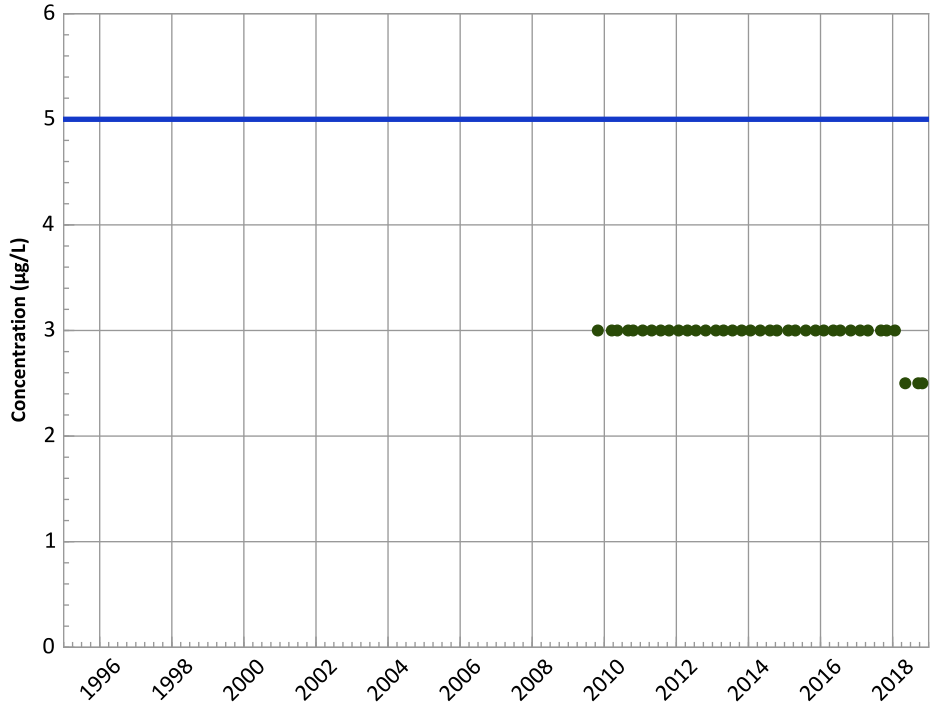
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

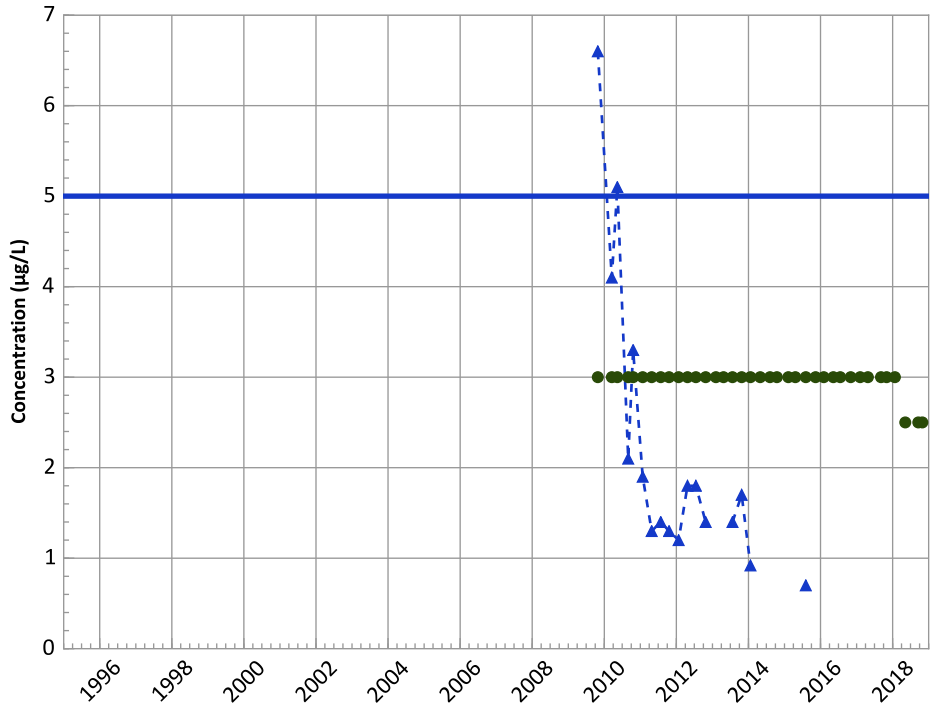
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

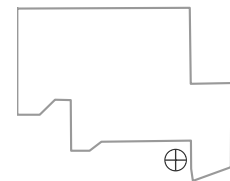
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

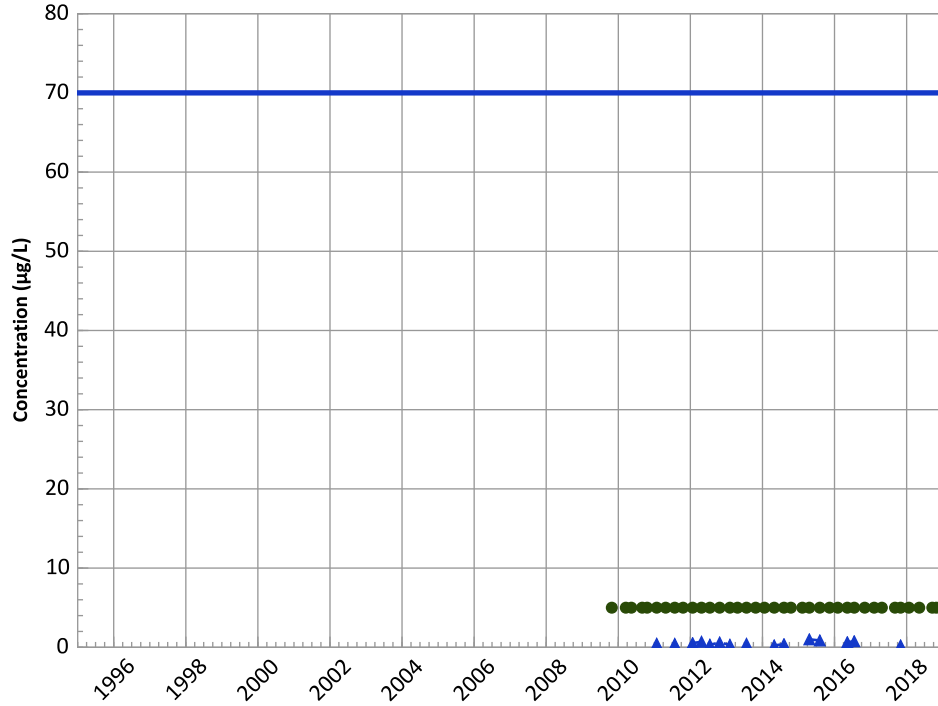


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Probably Increasing

All Data:

No Trend

MAROS Linear Regression Method

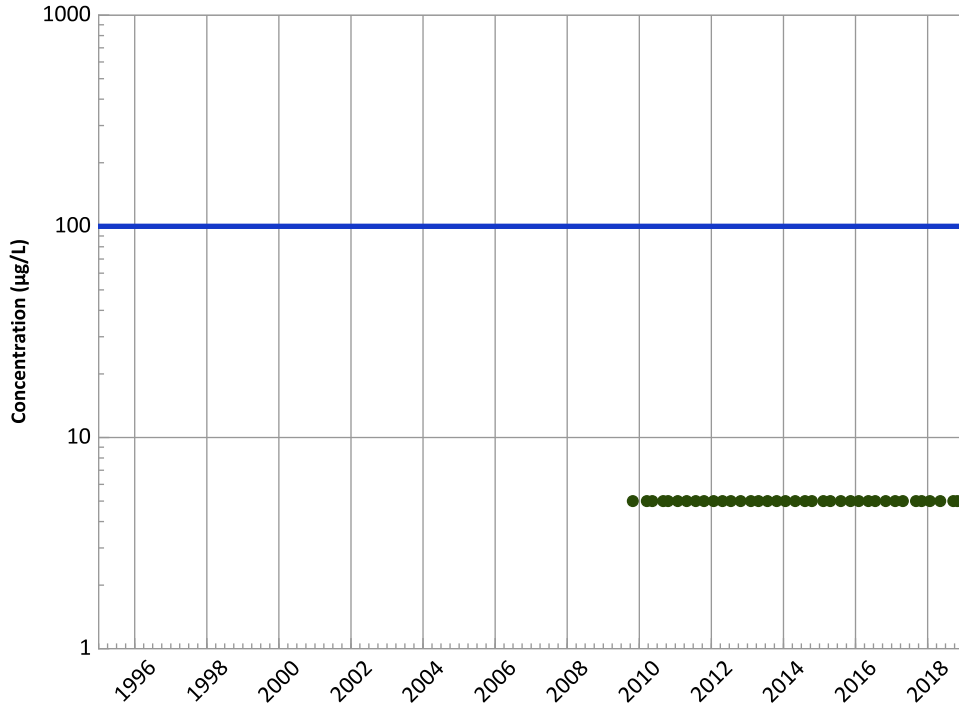
Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

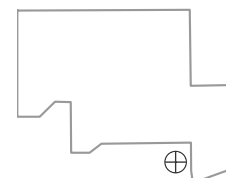
All Data:

All Non-Detect

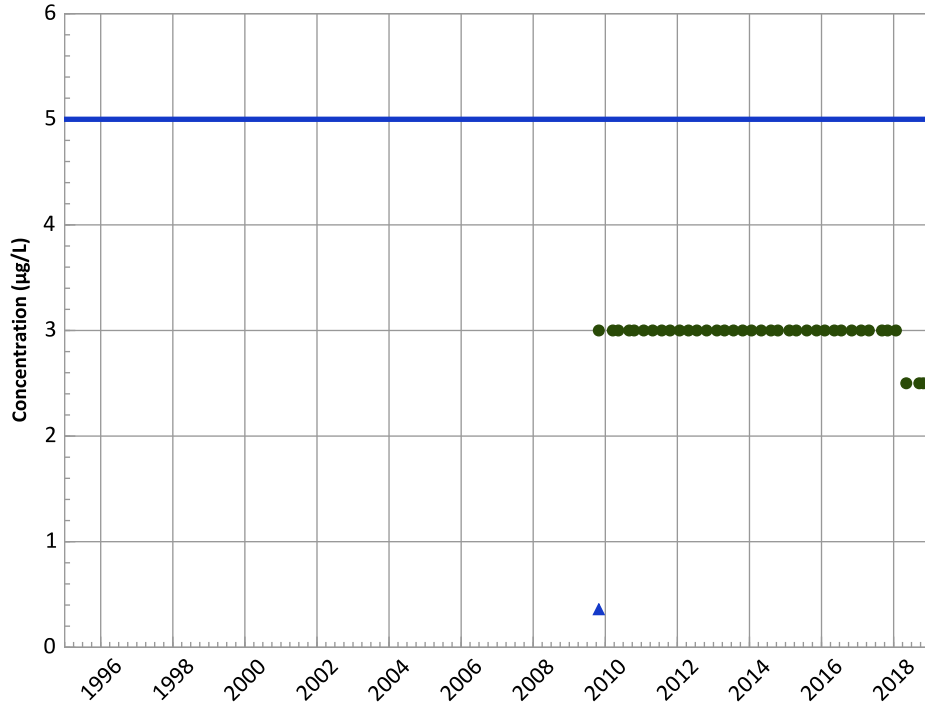
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

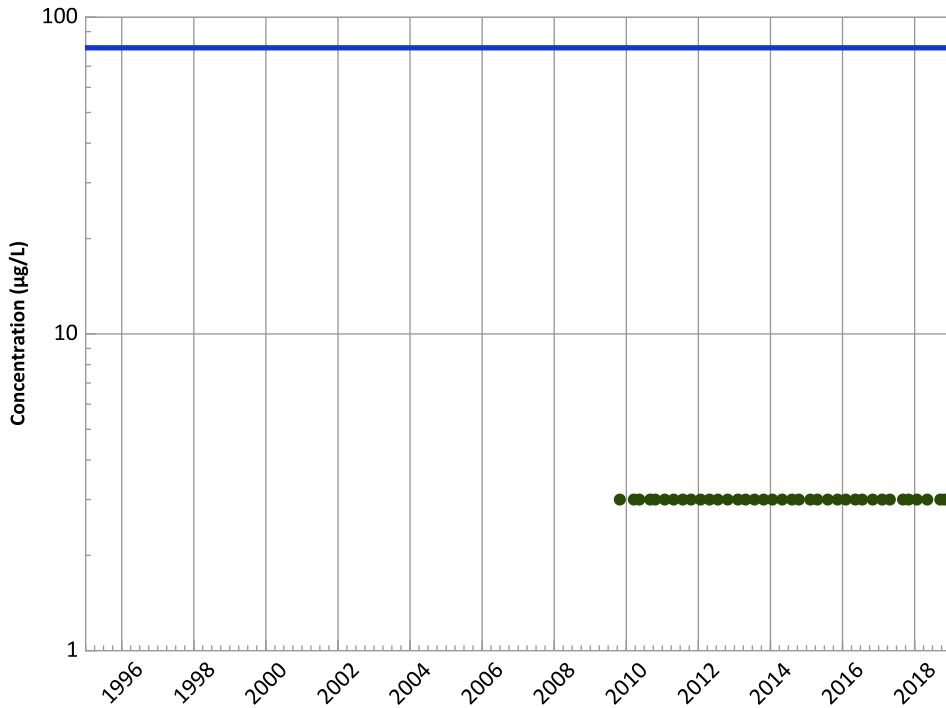
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

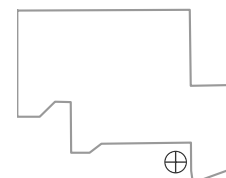
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

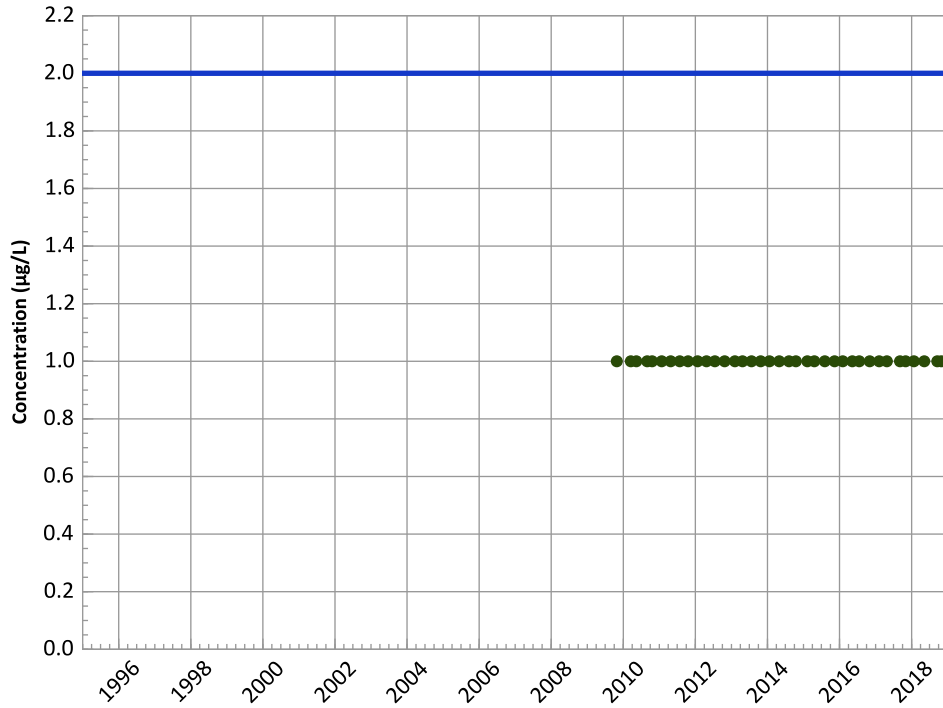
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

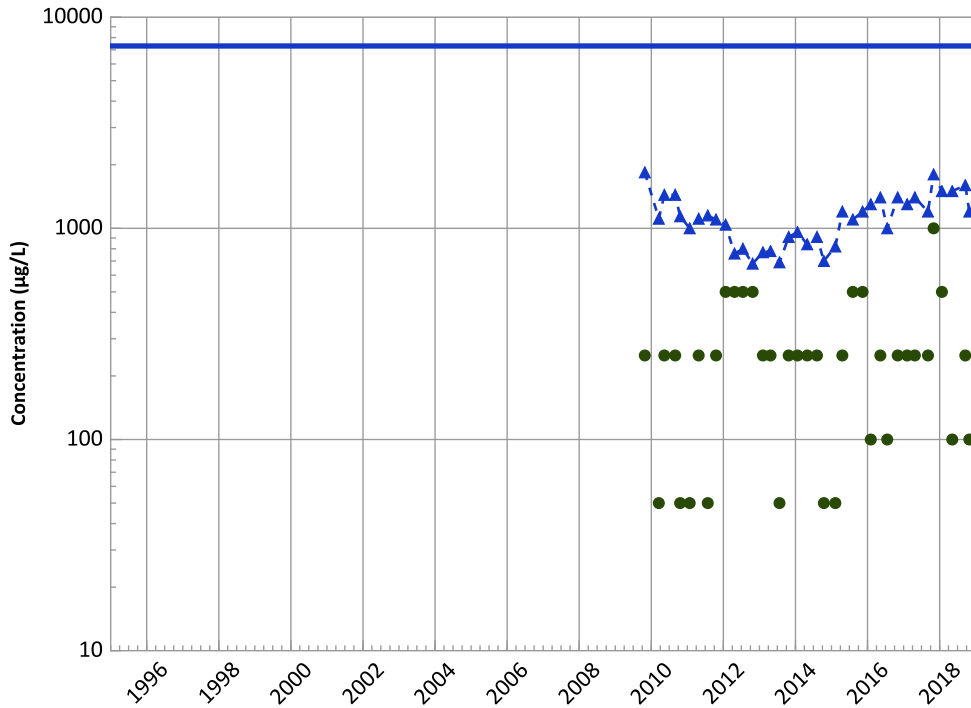


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Boron Trend

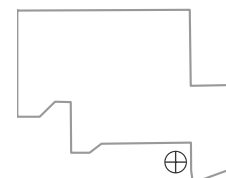


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Well Location

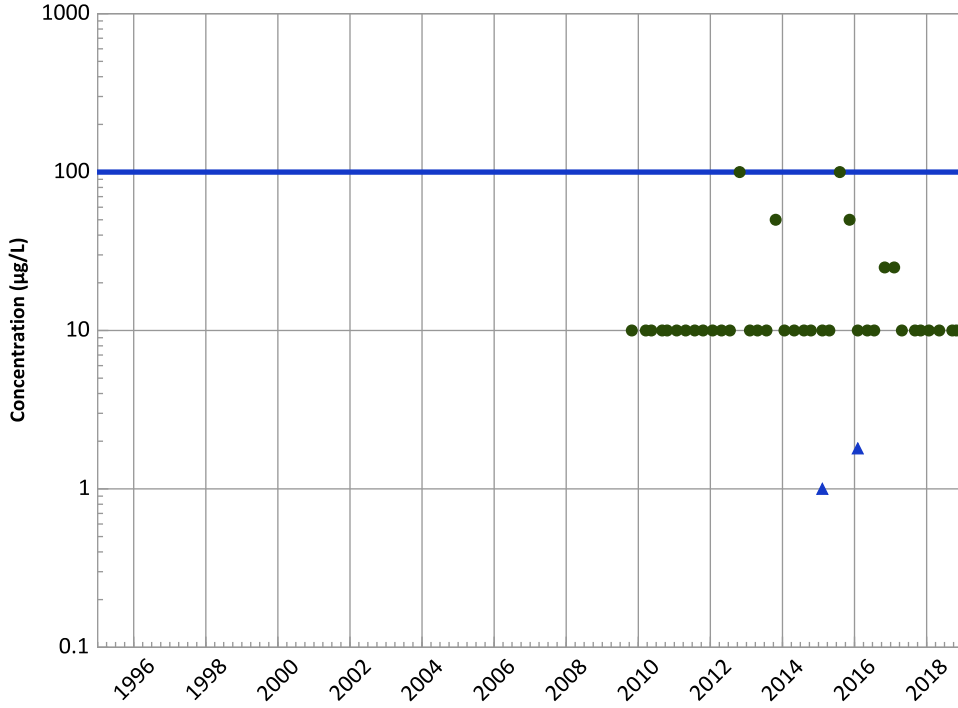


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

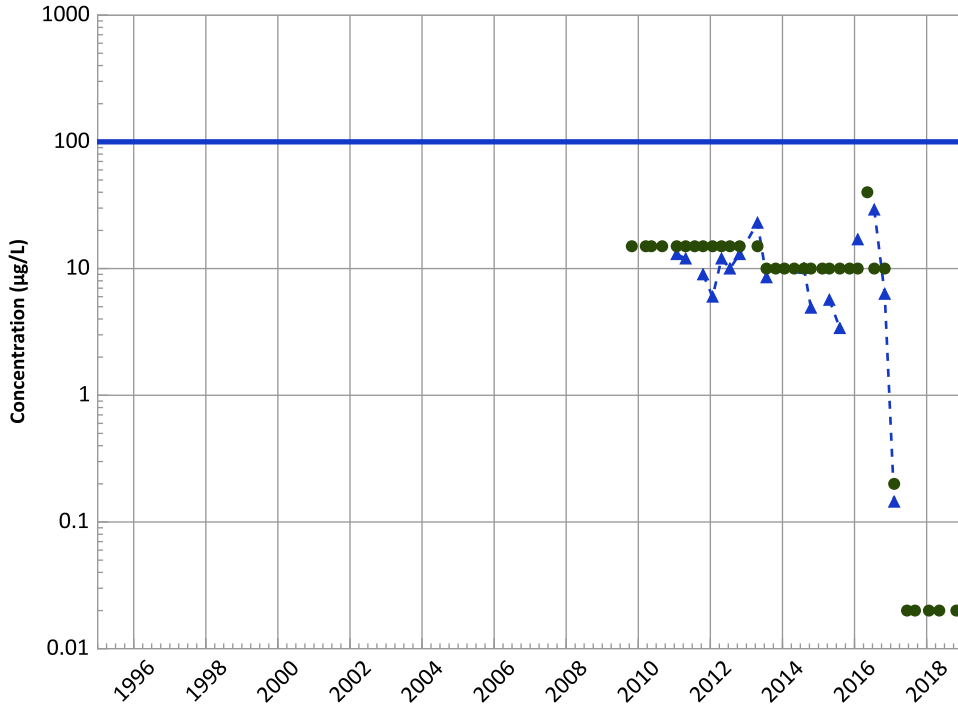


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chromium, Hexavalent Trend

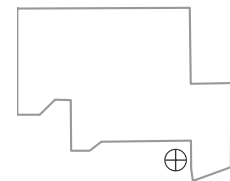


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Probably Decreasing

Well Location

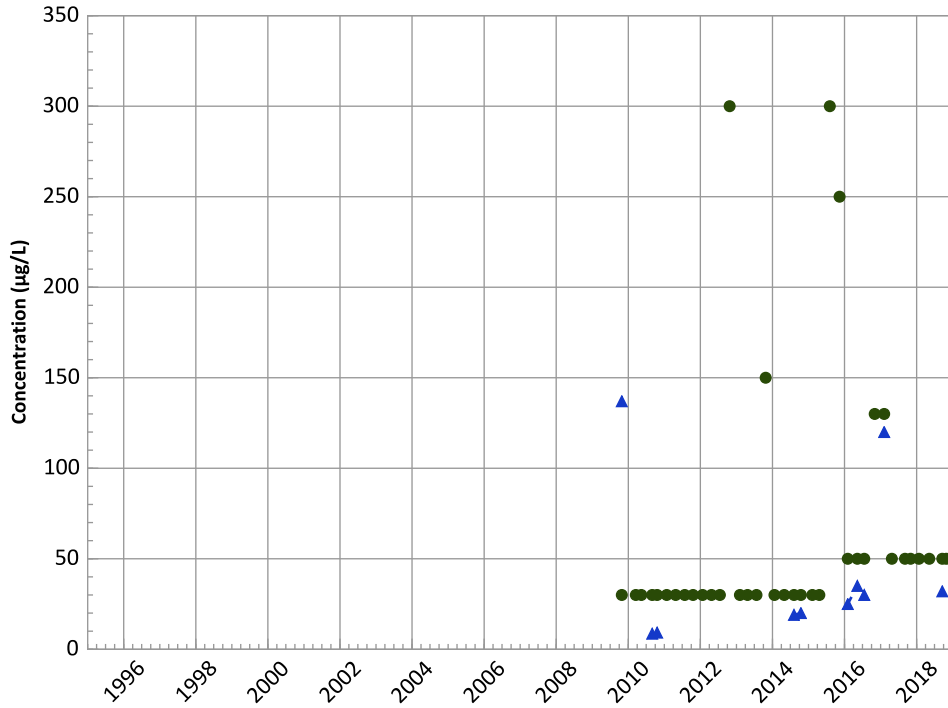


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

Aluminum Trend

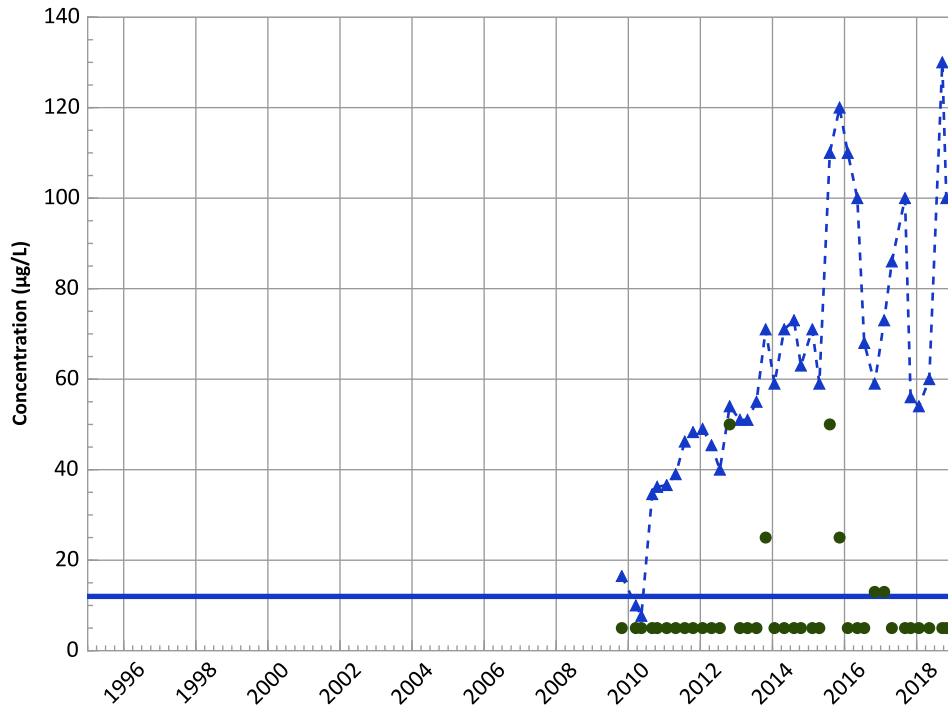


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

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

Arsenic Trend

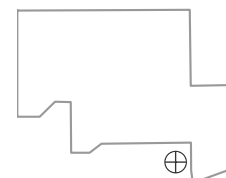


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Well Location

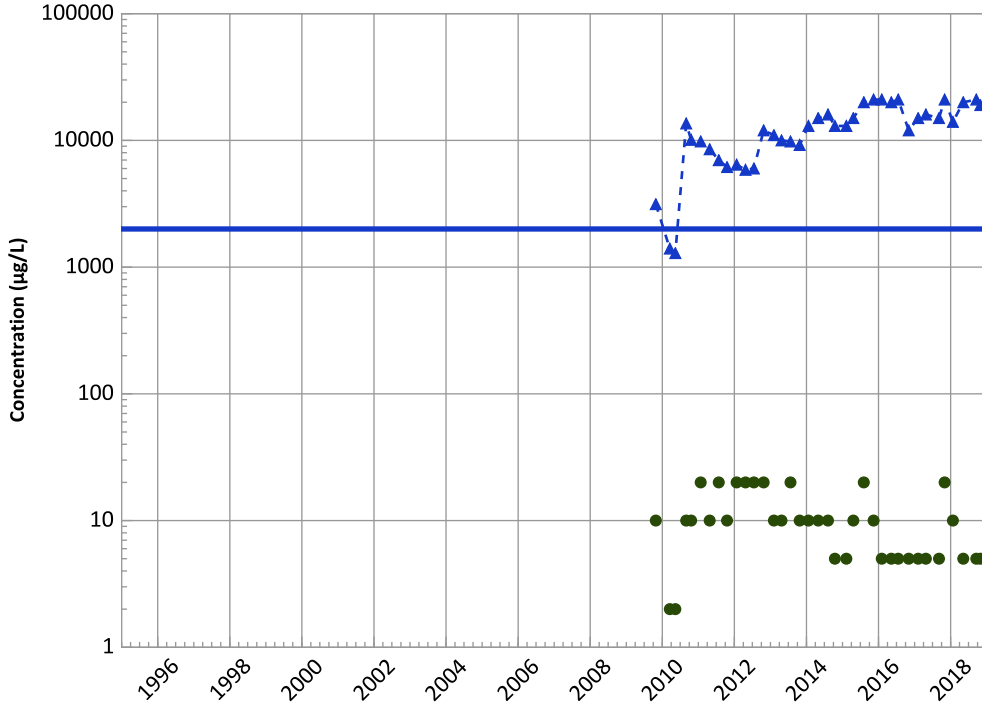


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

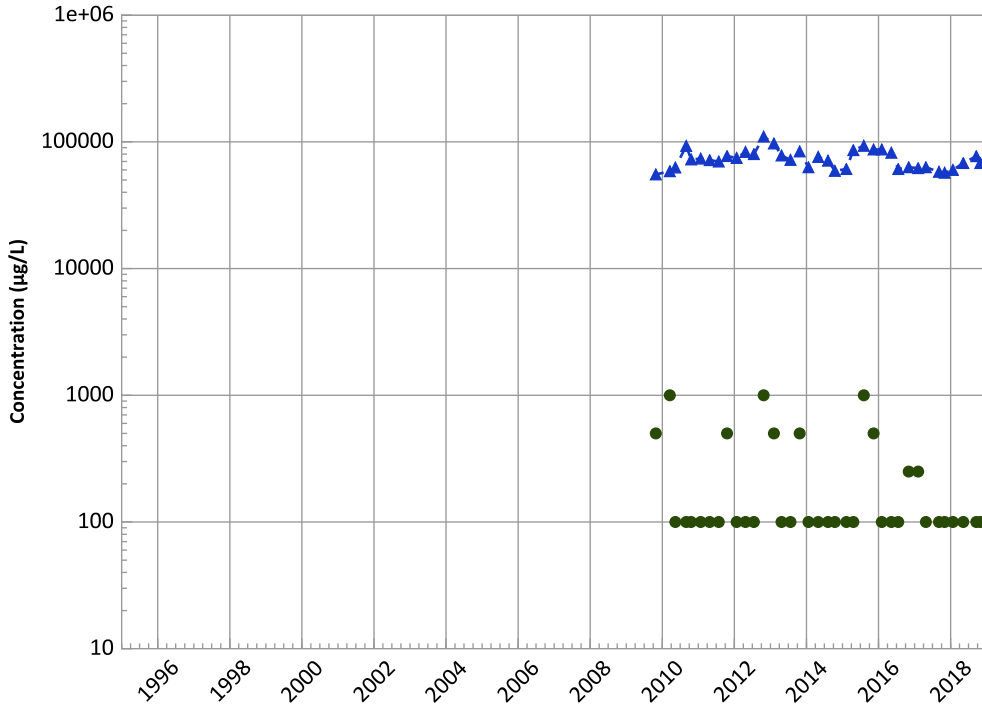
Data (2017 - 2021):

Increasing

All Data:

Increasing

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

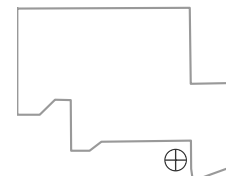
All Data:

Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

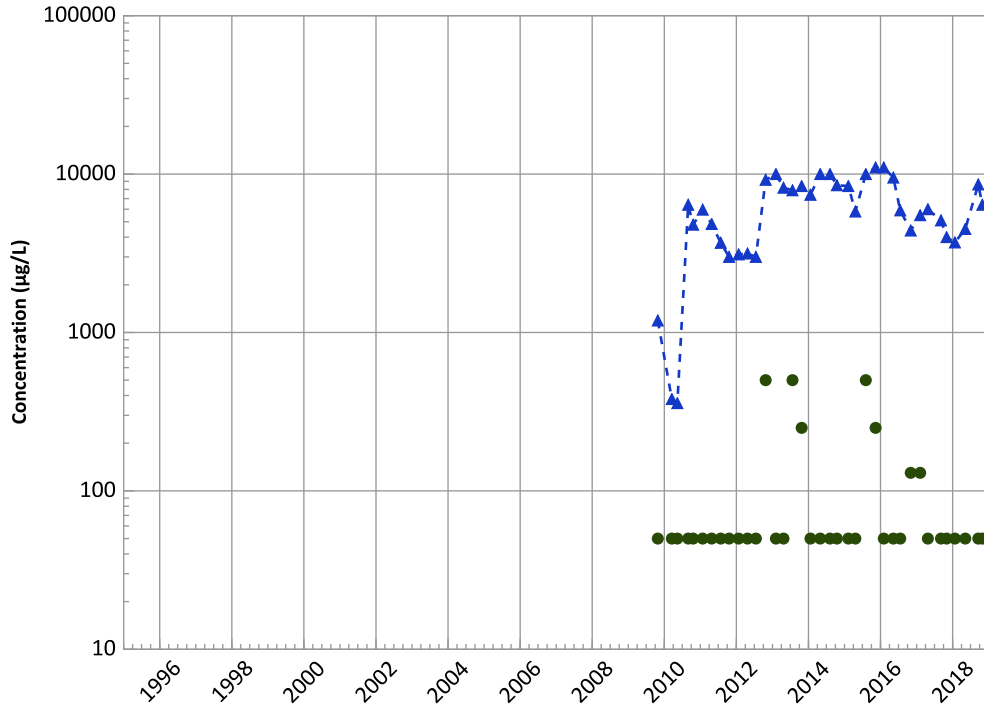
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

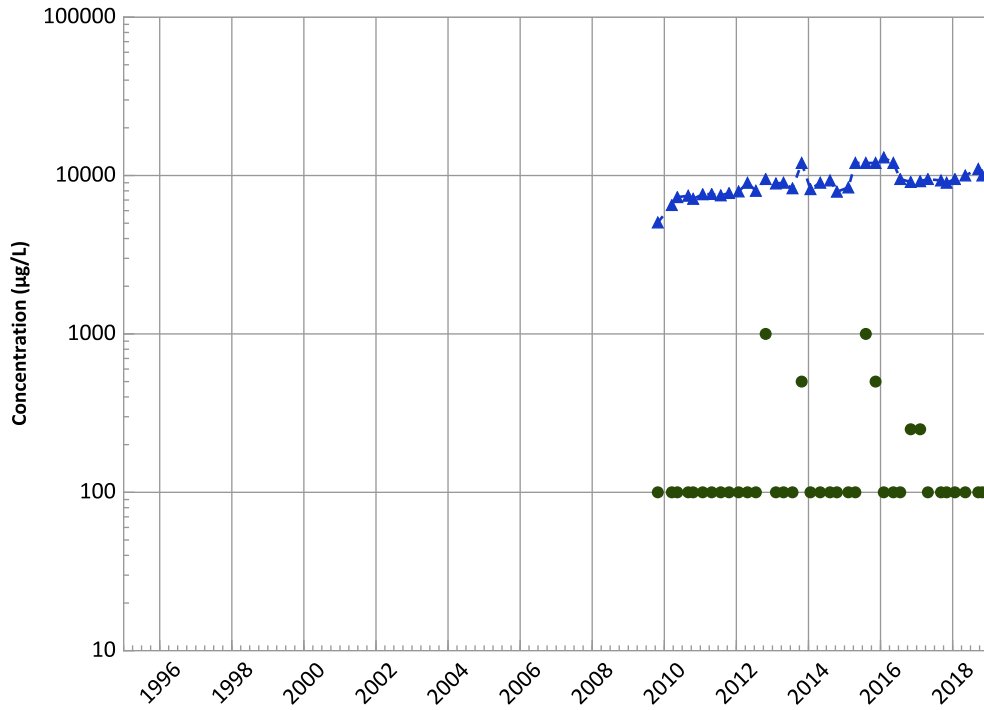
Data (2017 - 2021):

Increasing

All Data:

Increasing

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

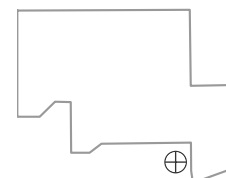
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

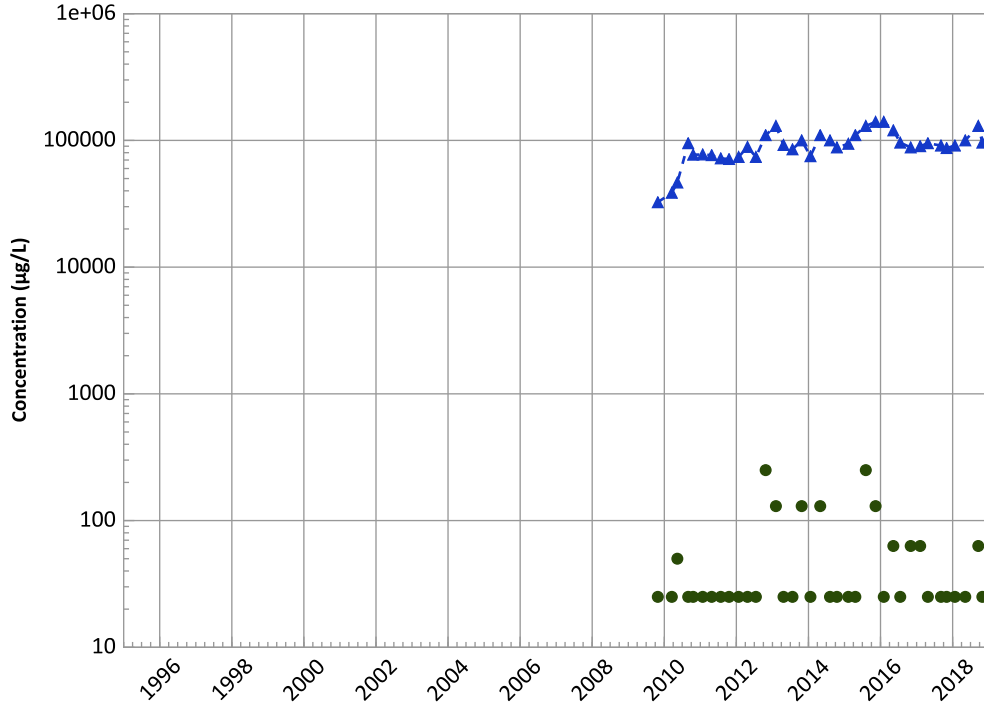


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

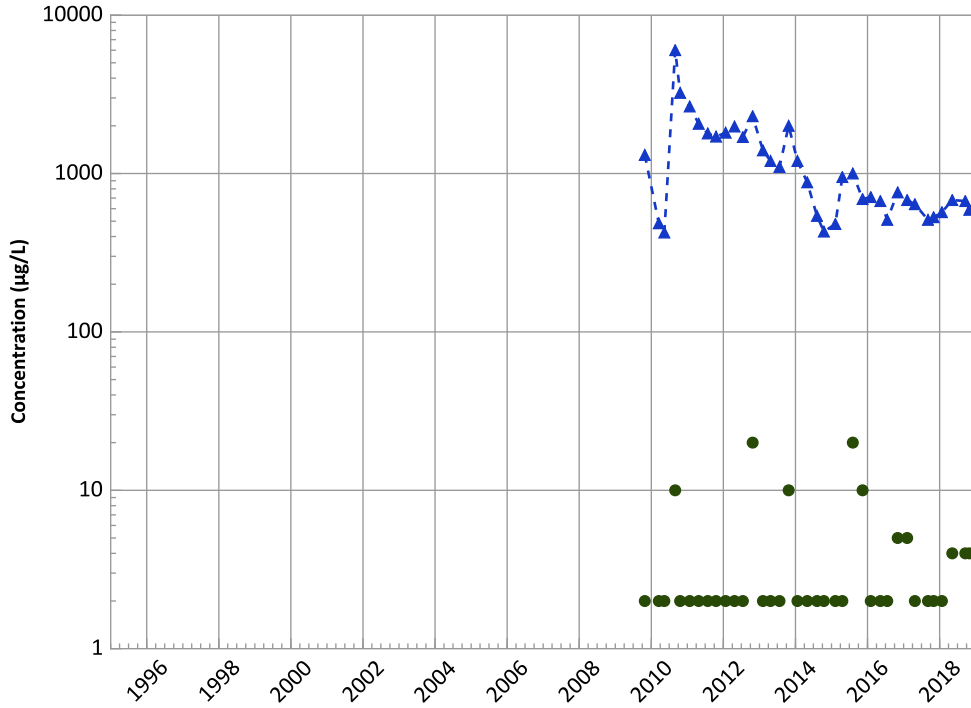
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

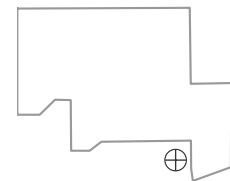
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Well Location

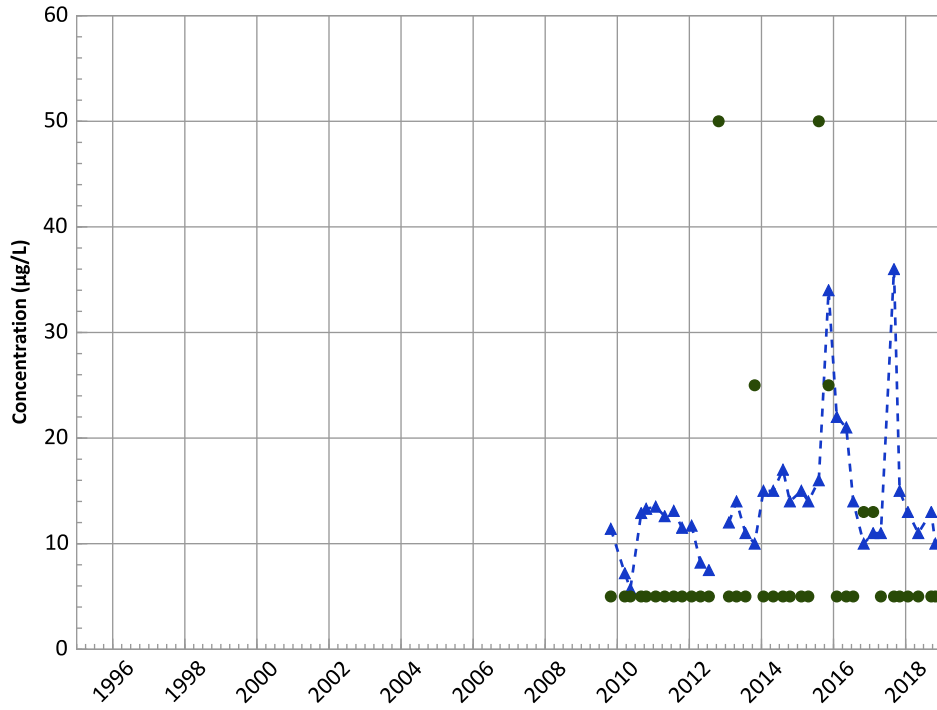


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

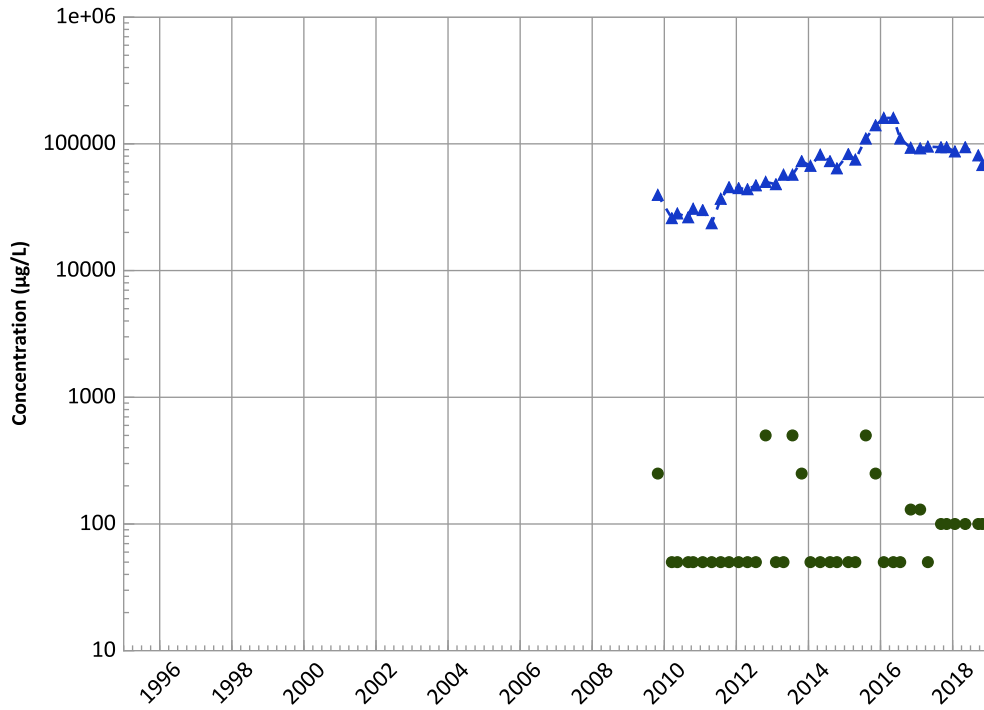
Data (2017 - 2021):

Increasing

All Data:

Increasing

Sodium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

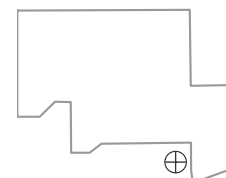
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

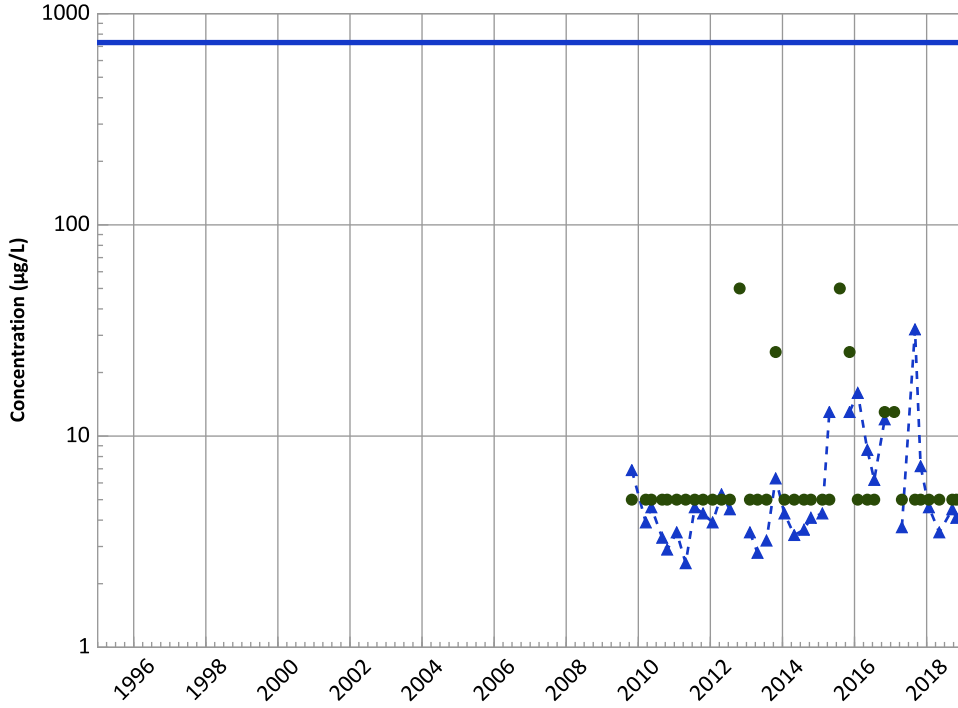


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

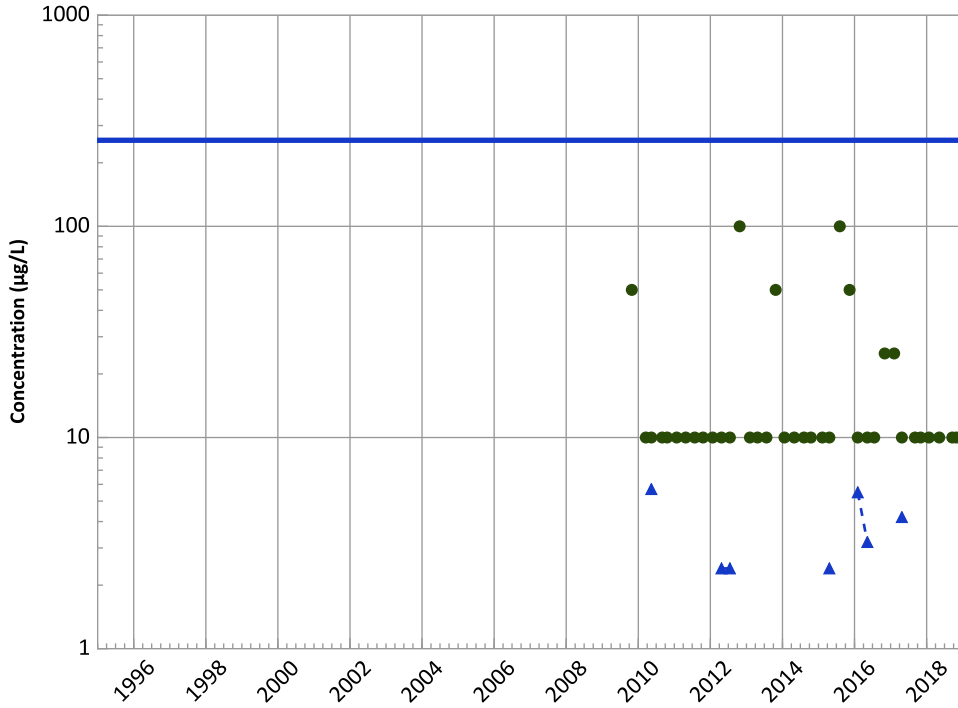
Data (2017 - 2021):

Increasing

All Data:

Increasing

Vanadium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

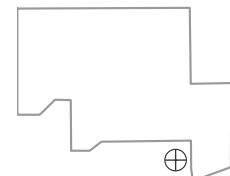
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

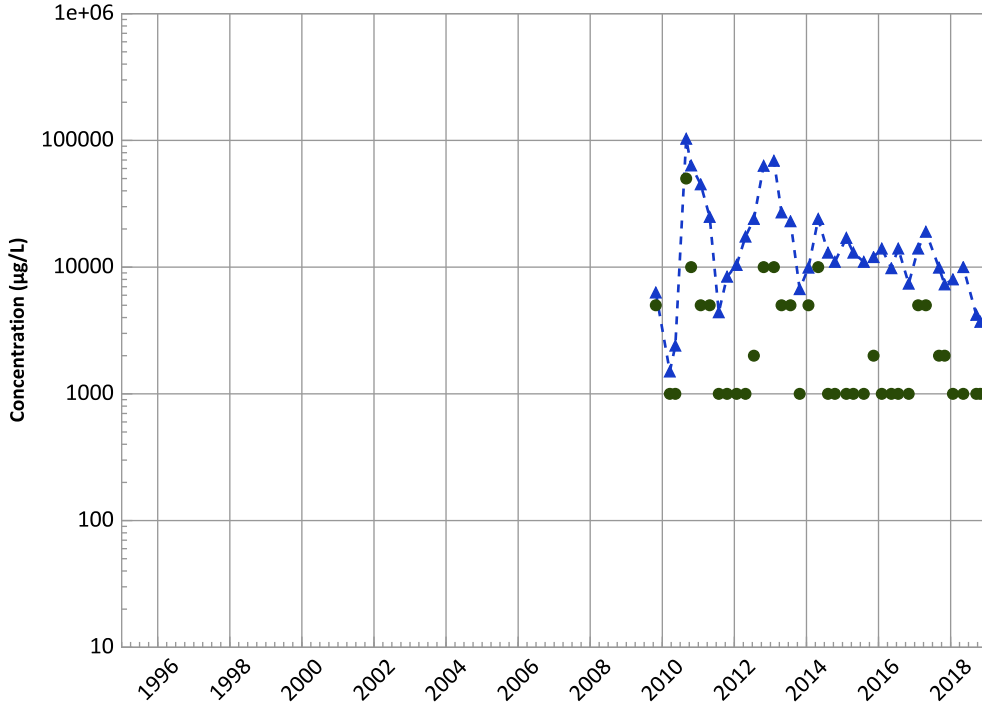
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1154 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

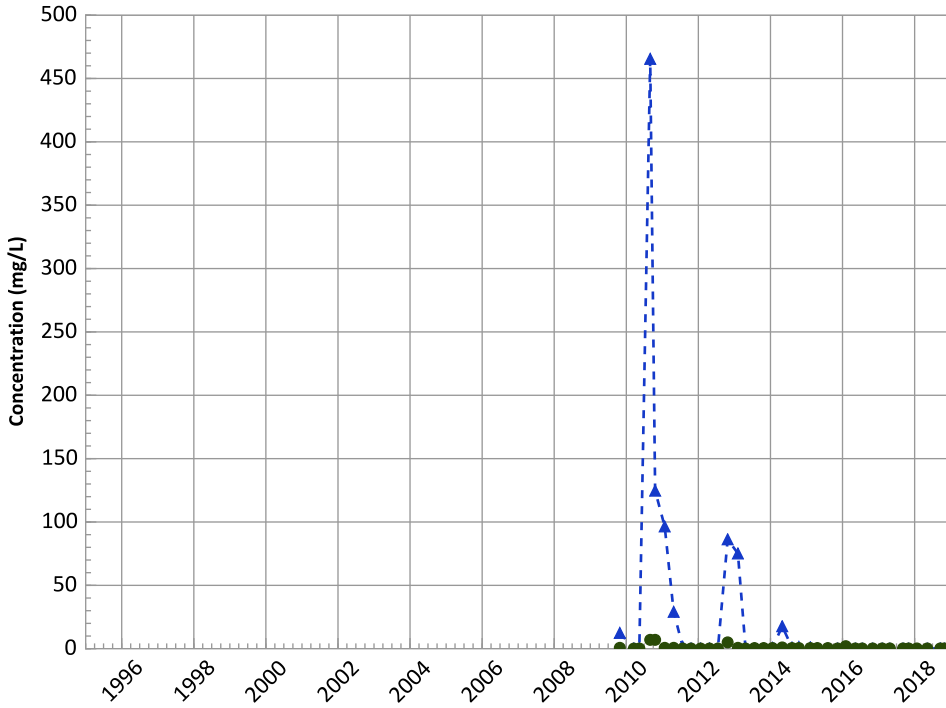
Data (2017 - 2021):

Decreasing

All Data:

Probably Decreasing

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

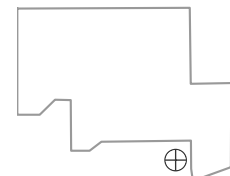
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

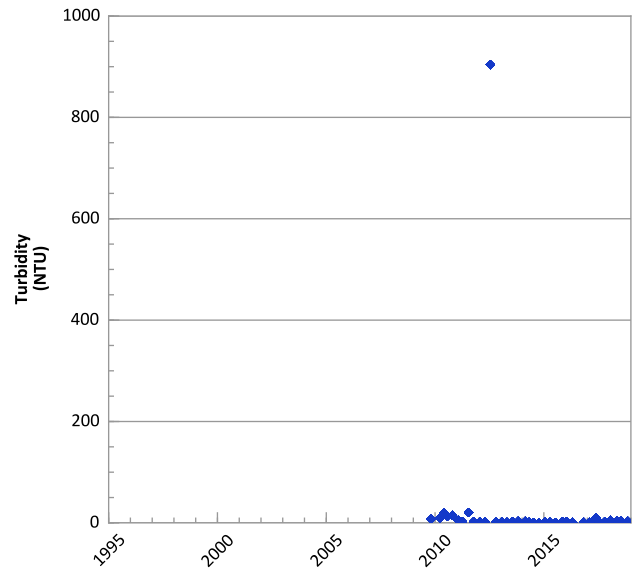
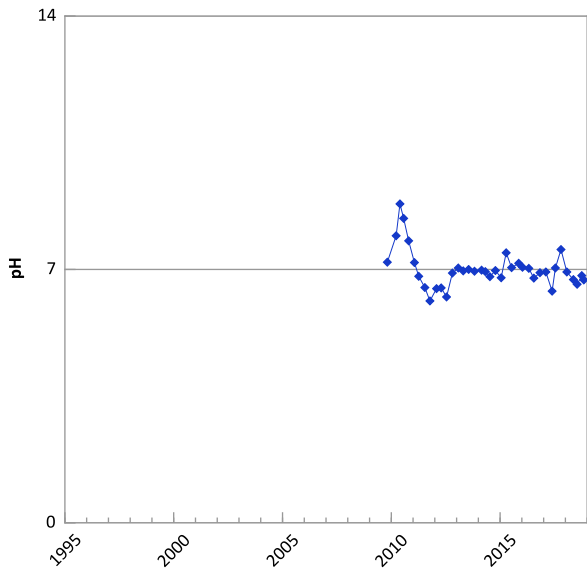
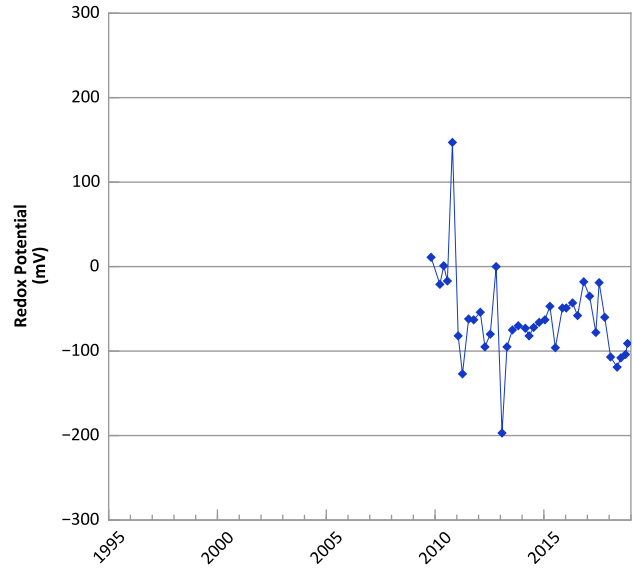
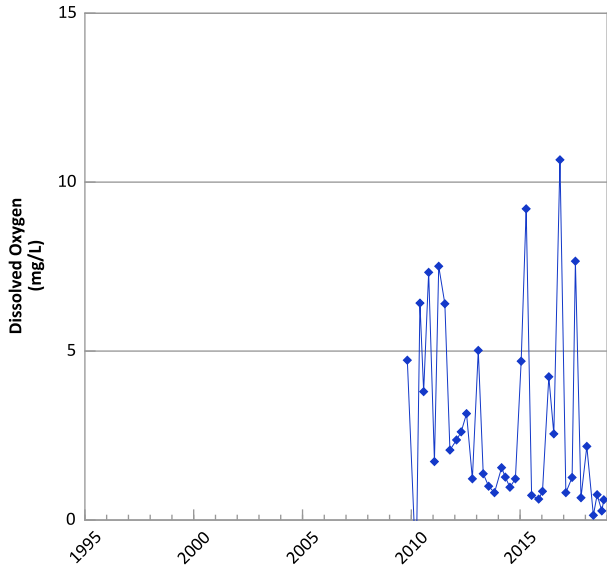
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/27/2009 to 10/29/2018
Analysis Date: 02/14/2019

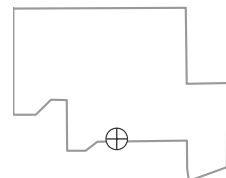
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



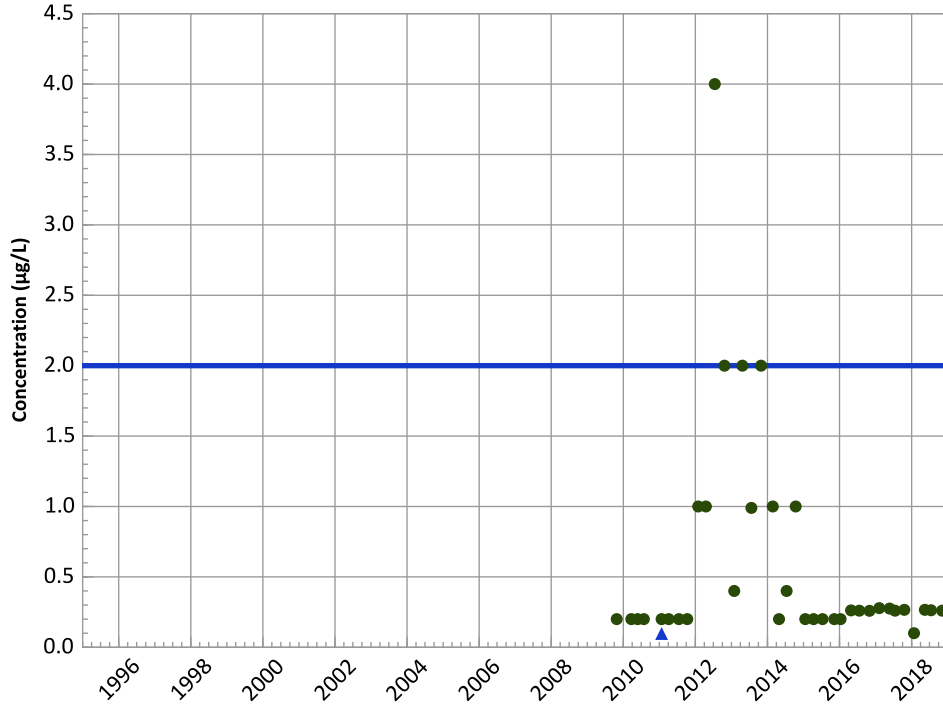
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/26/2009 to 11/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

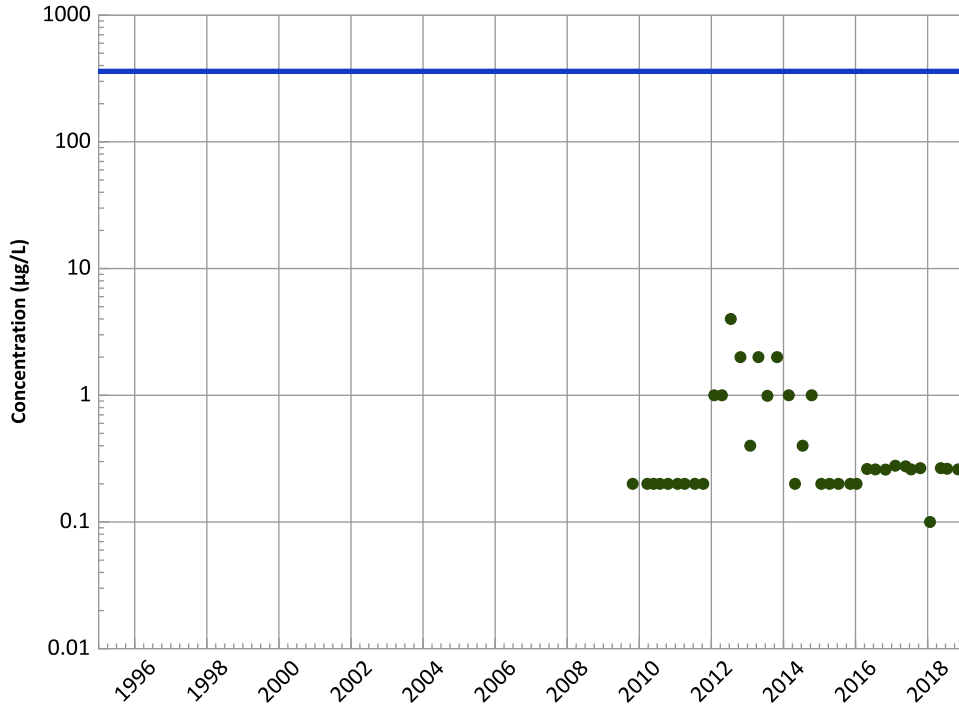
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

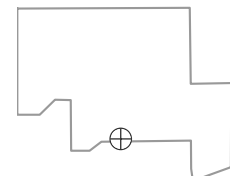
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

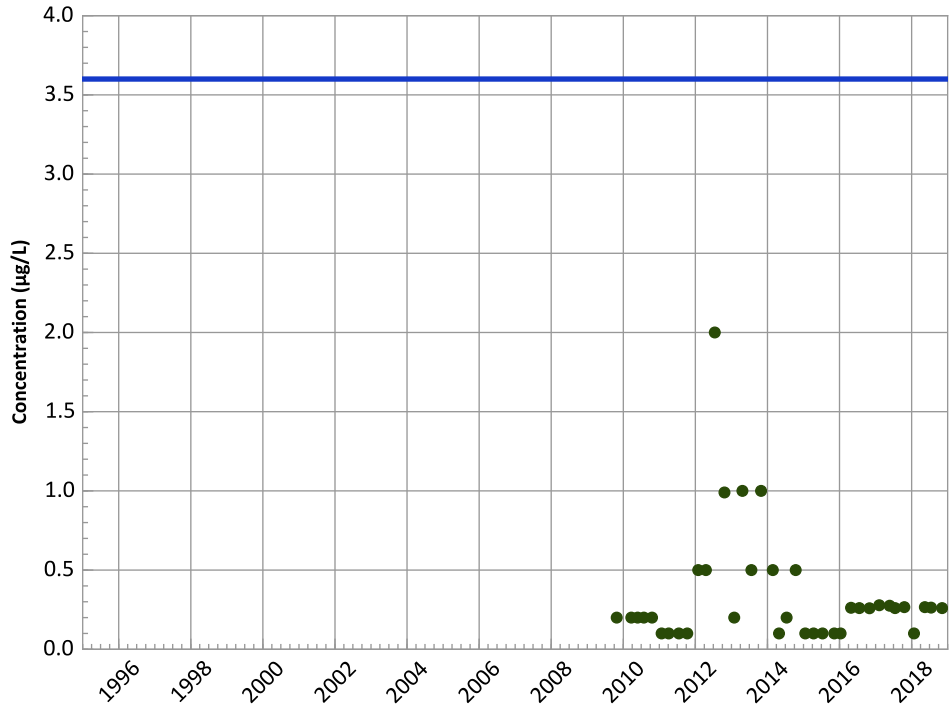
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant
TNT (2,4,6-Trinitrotoluene) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

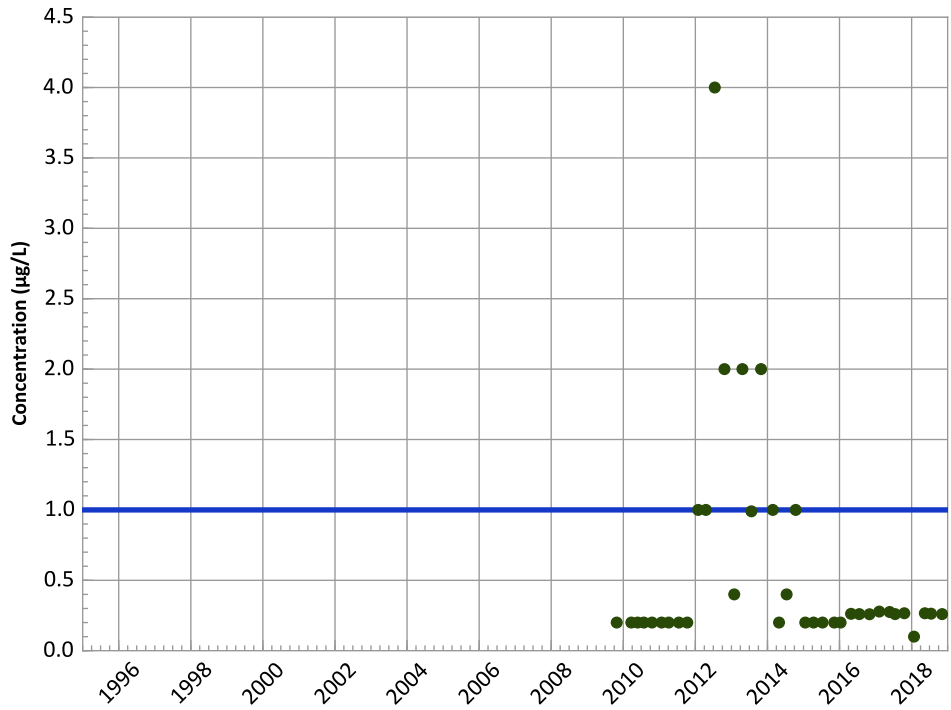
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

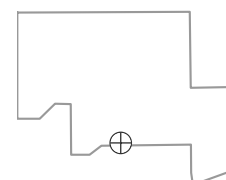
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

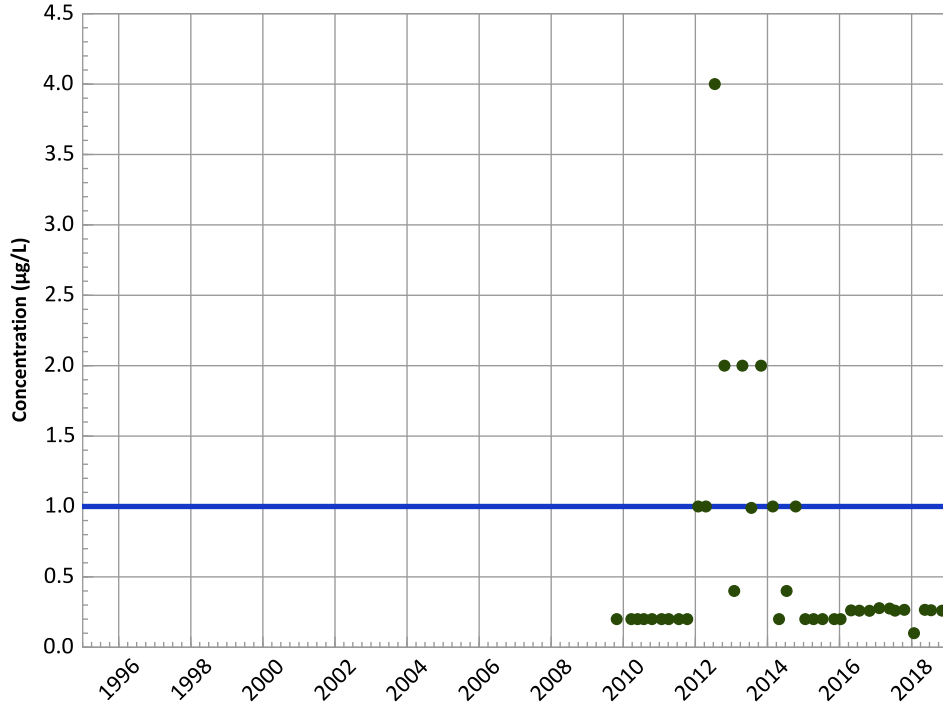
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

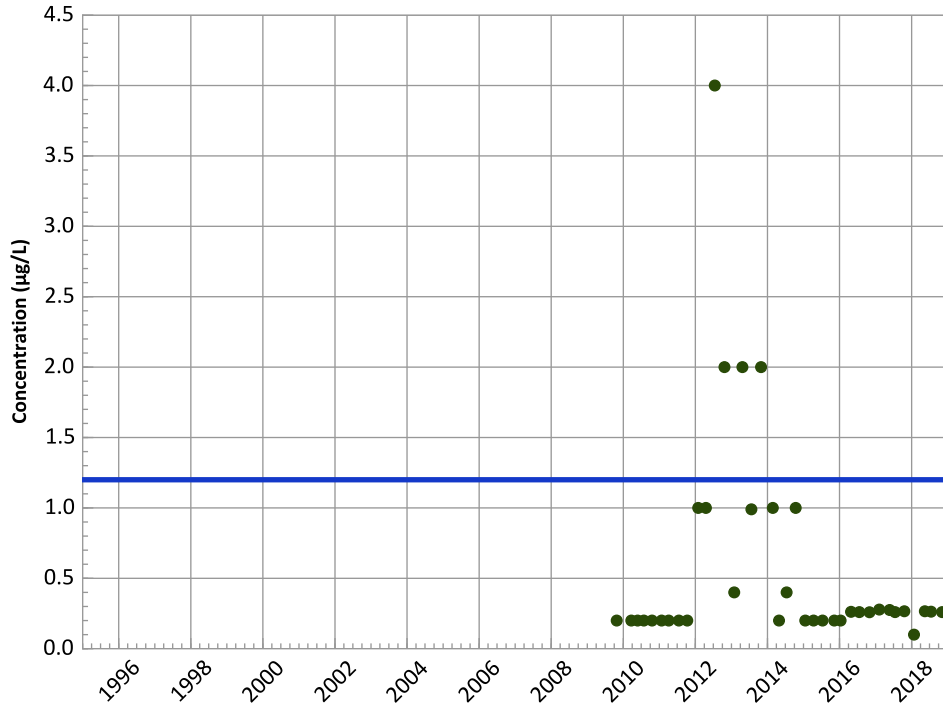
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

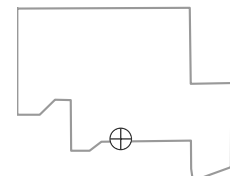
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

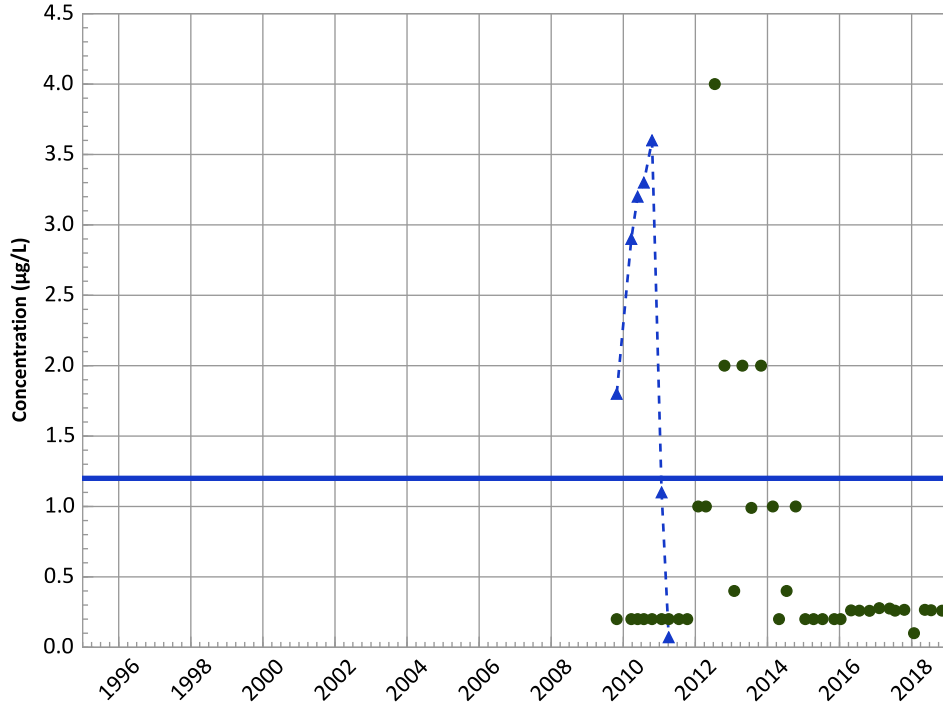
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

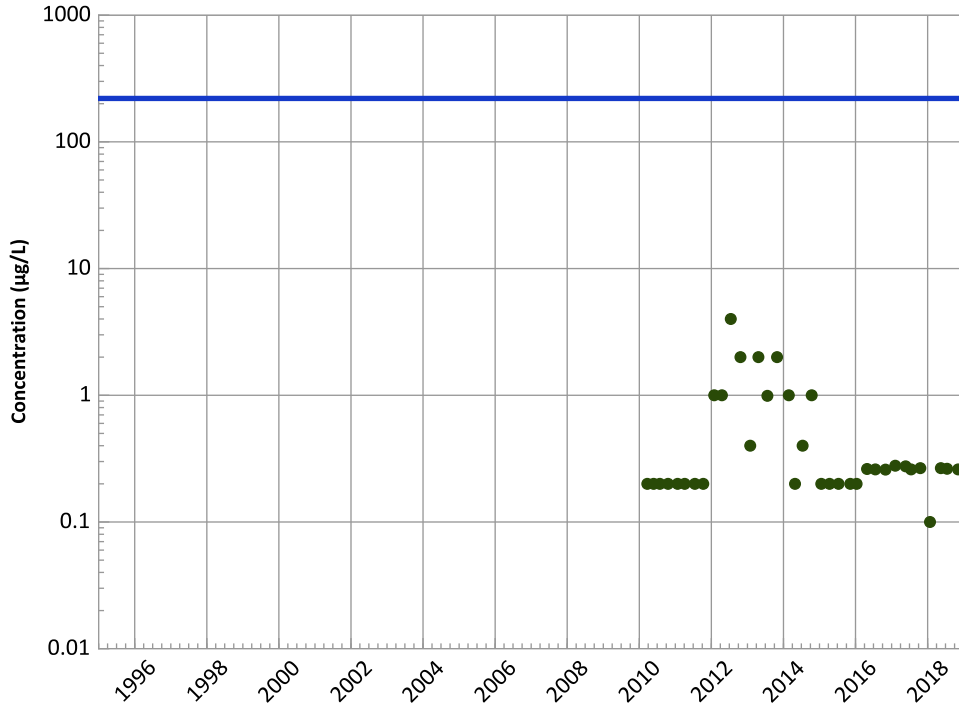
Data (2017 - 2021):

All Non-Detect

All Data:

Probably Decreasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

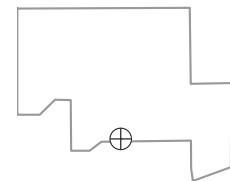
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

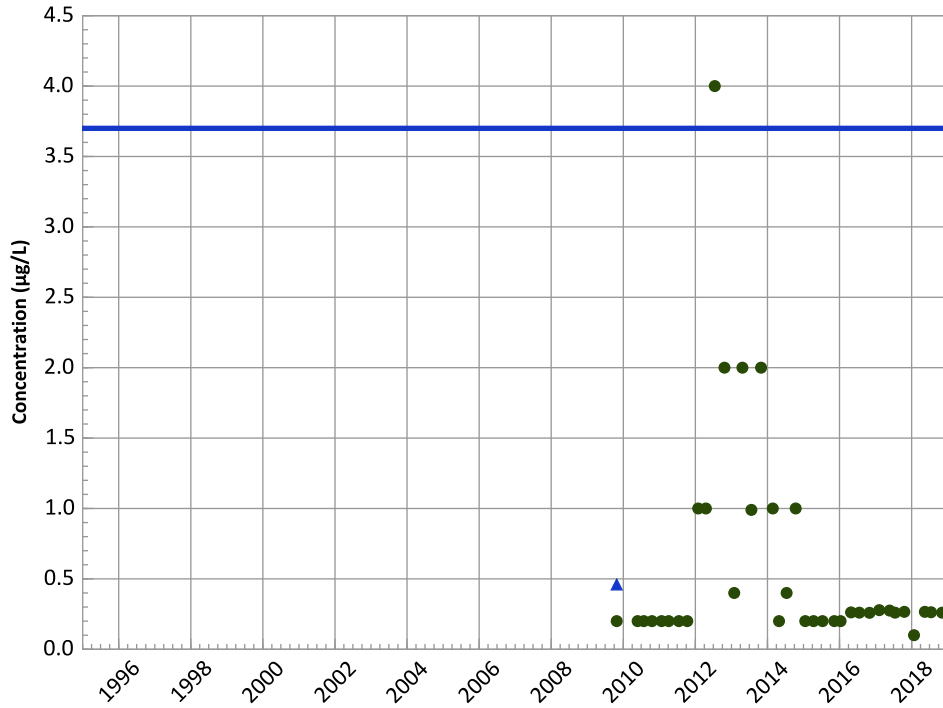


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend

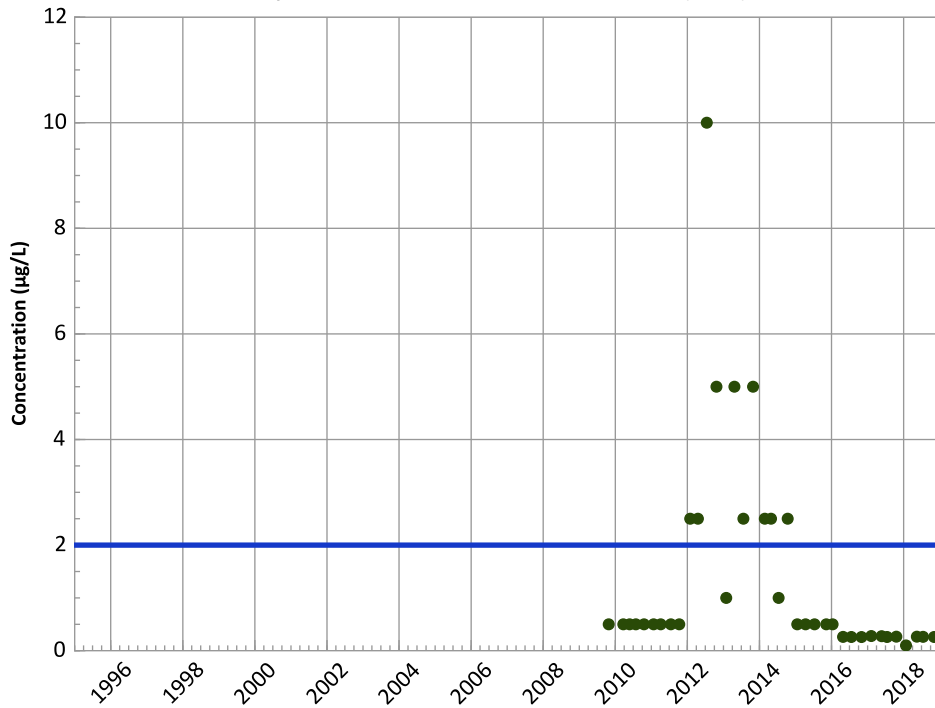


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

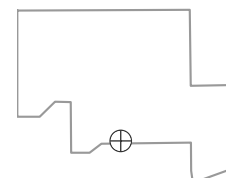


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

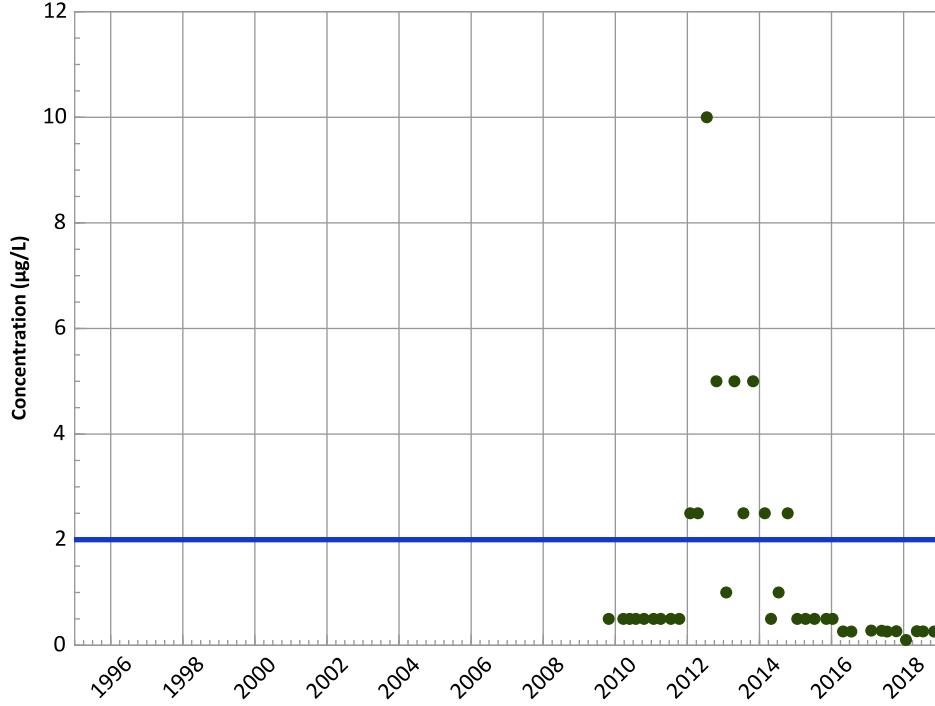


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

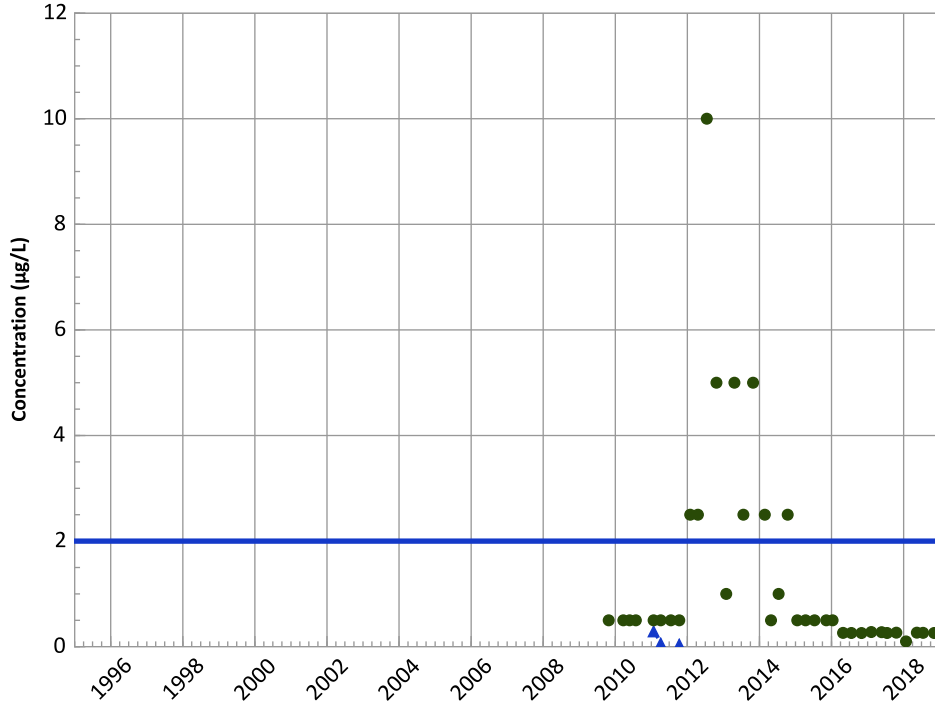
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

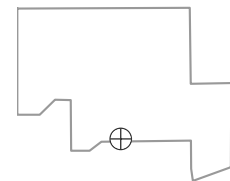
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

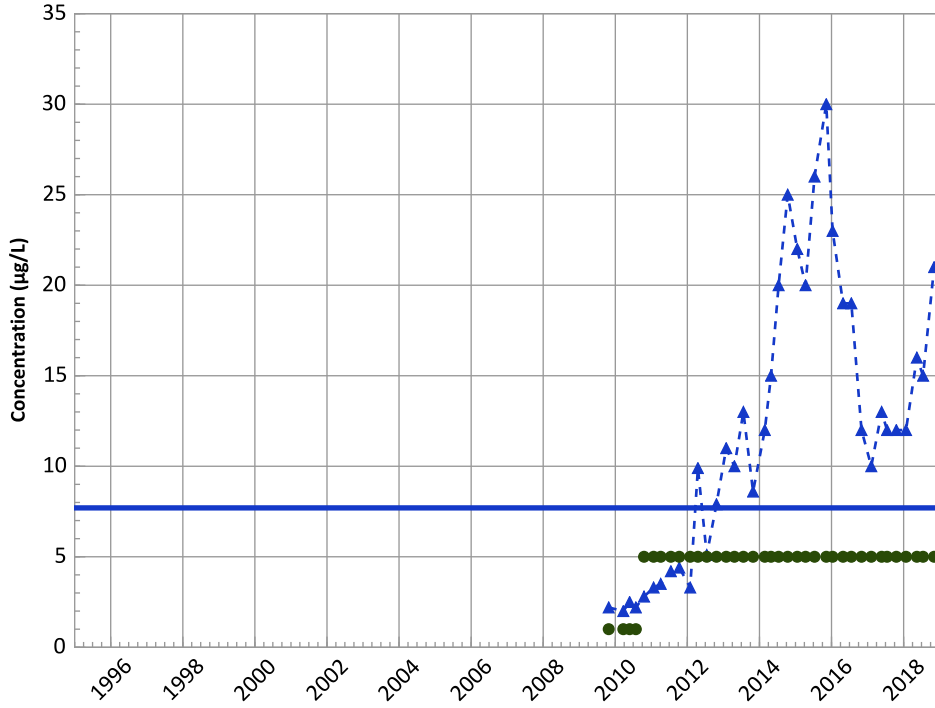


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

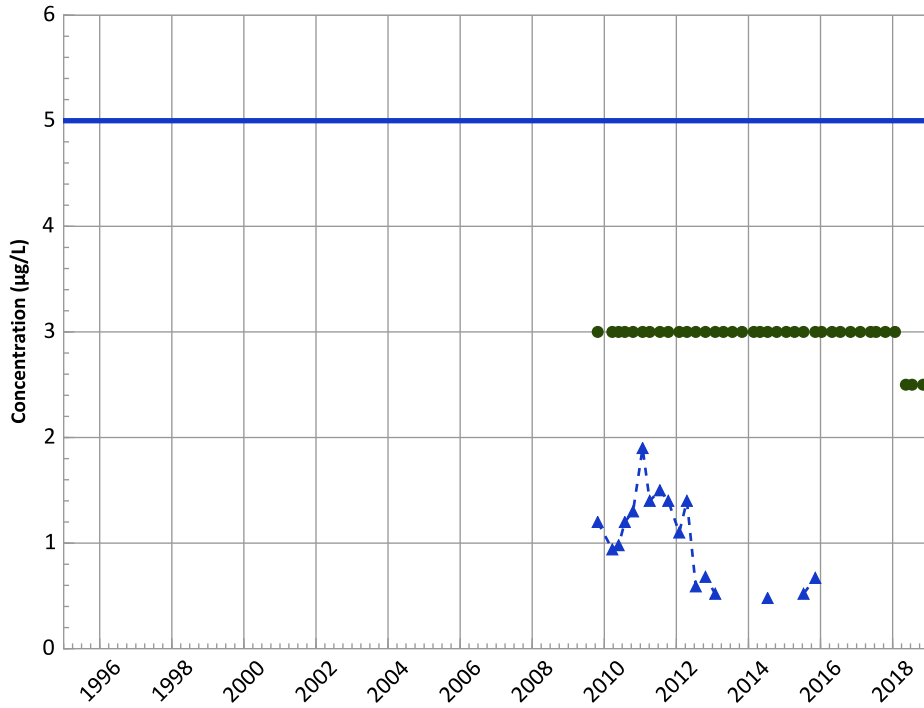
Data (2017 - 2021):

Increasing

All Data:

Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Decreasing

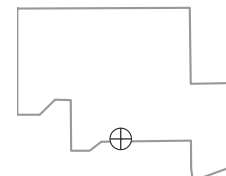
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

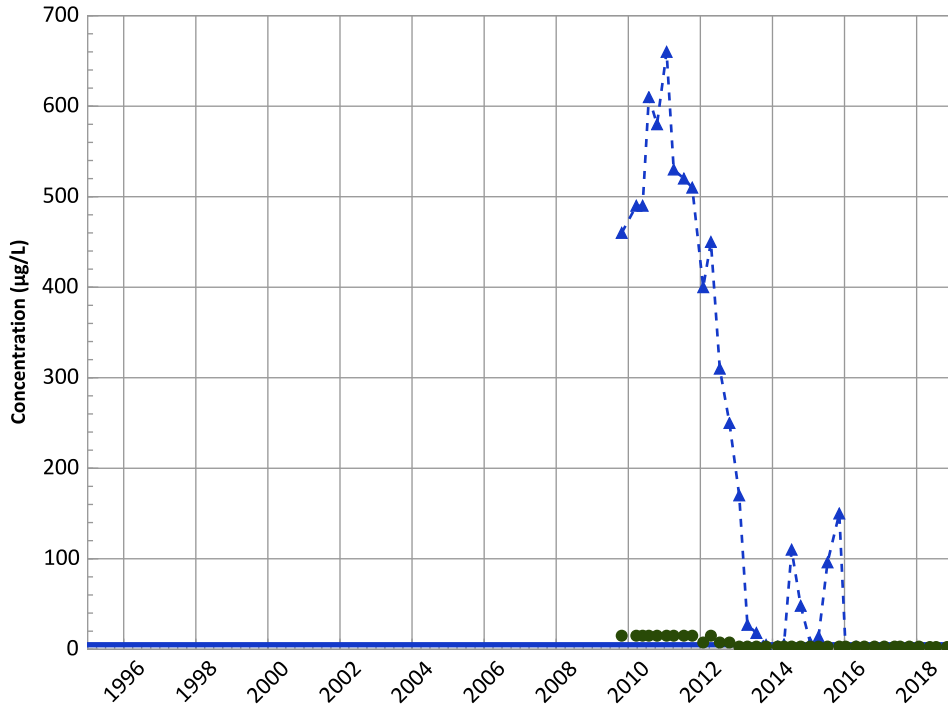
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

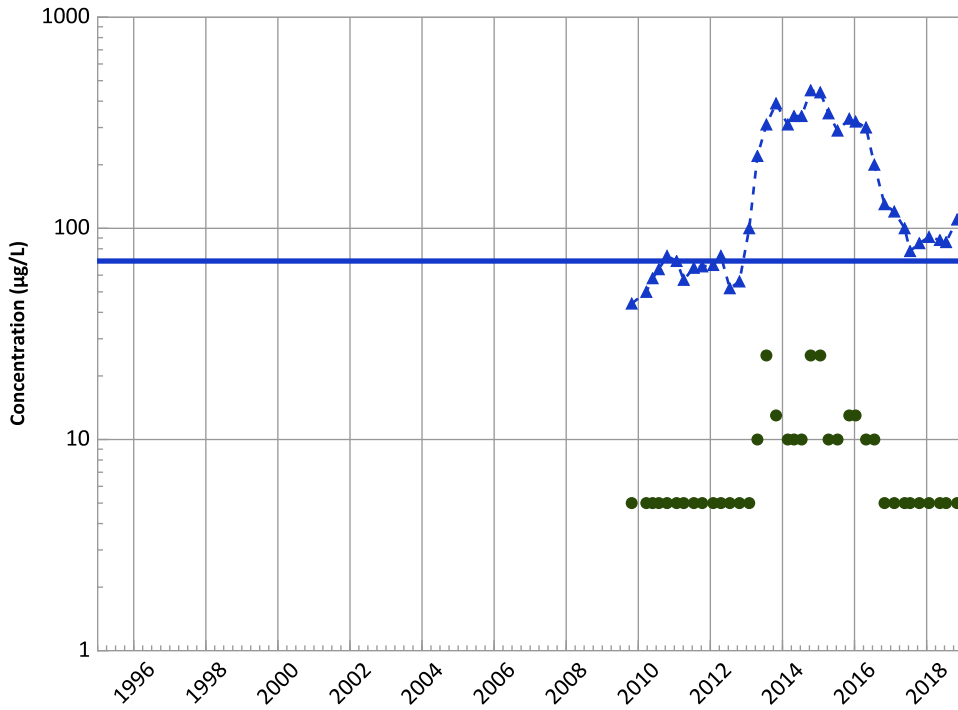
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

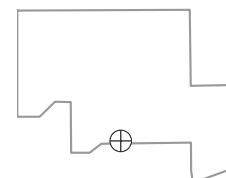
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

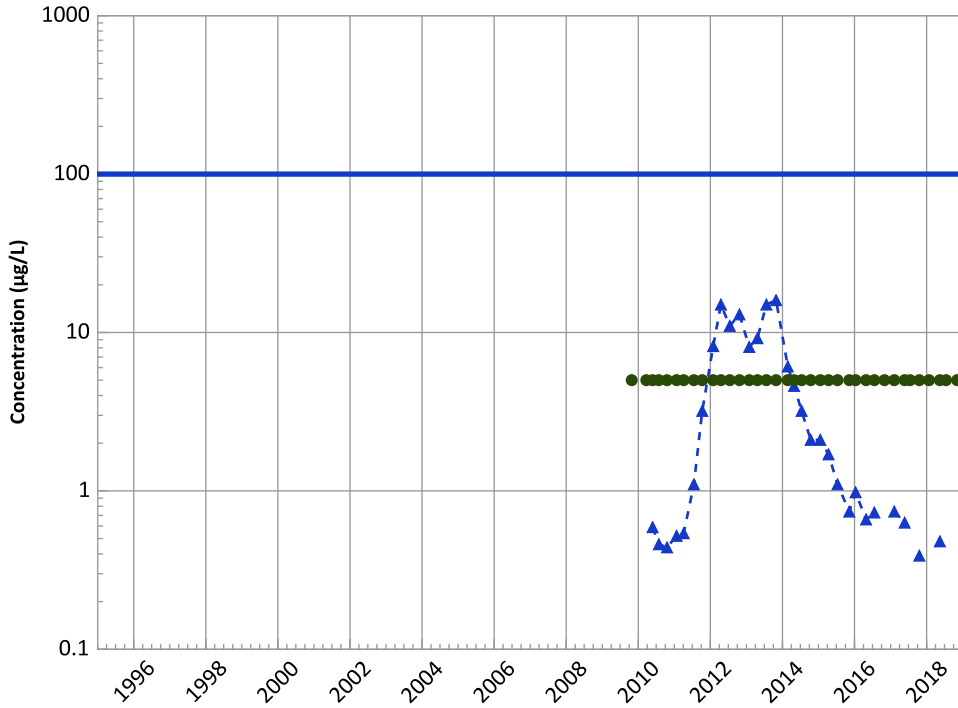
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

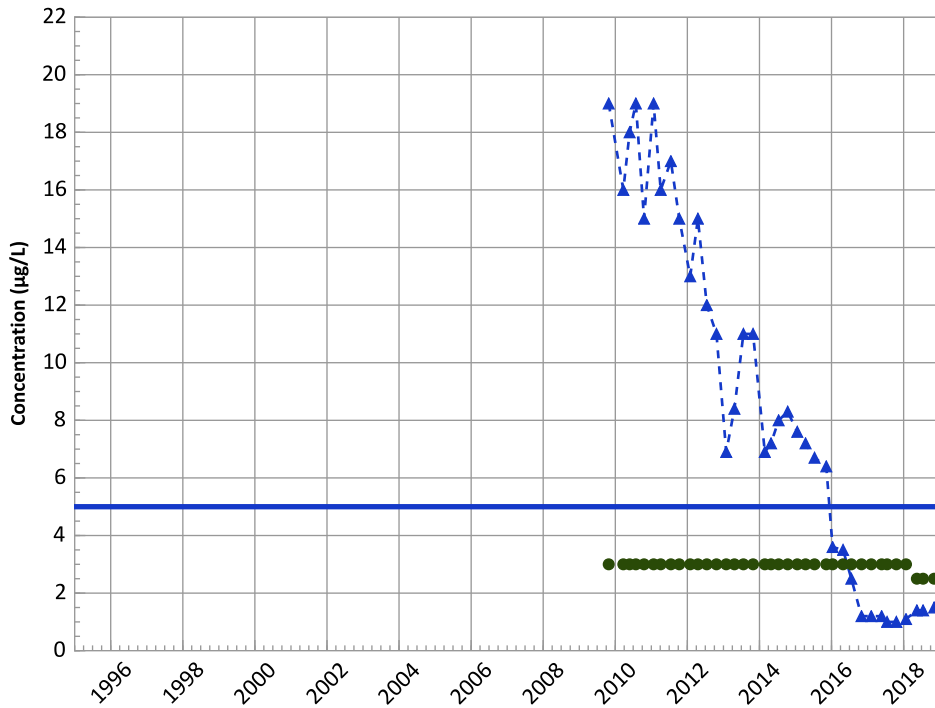
Data (2017 - 2021):

Decreasing

All Data:

No Trend

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

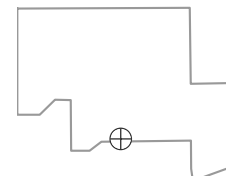
All Data:

Decreasing

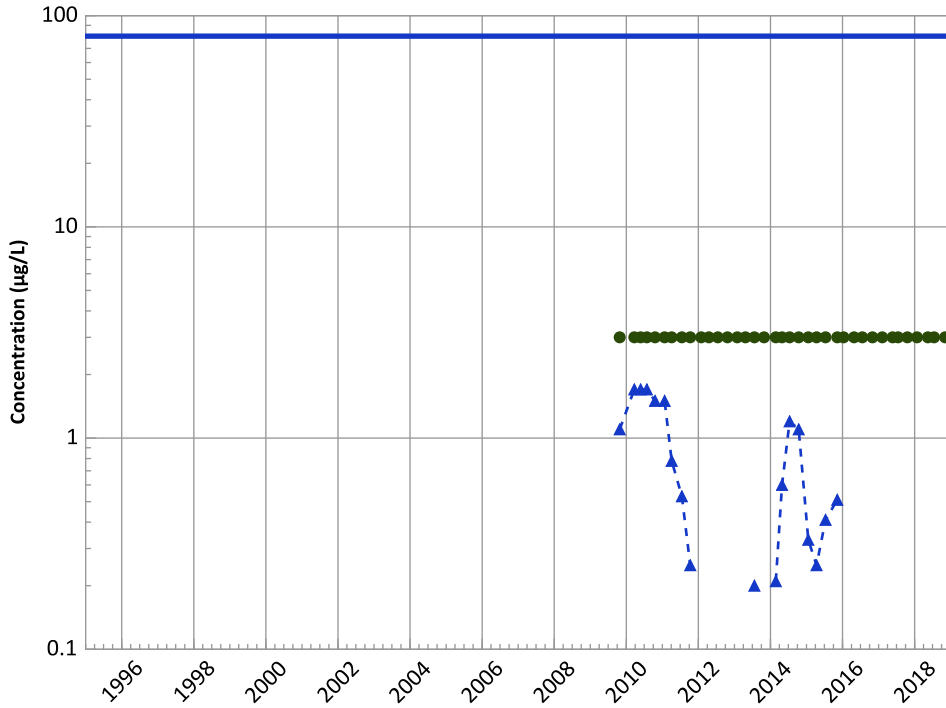
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



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

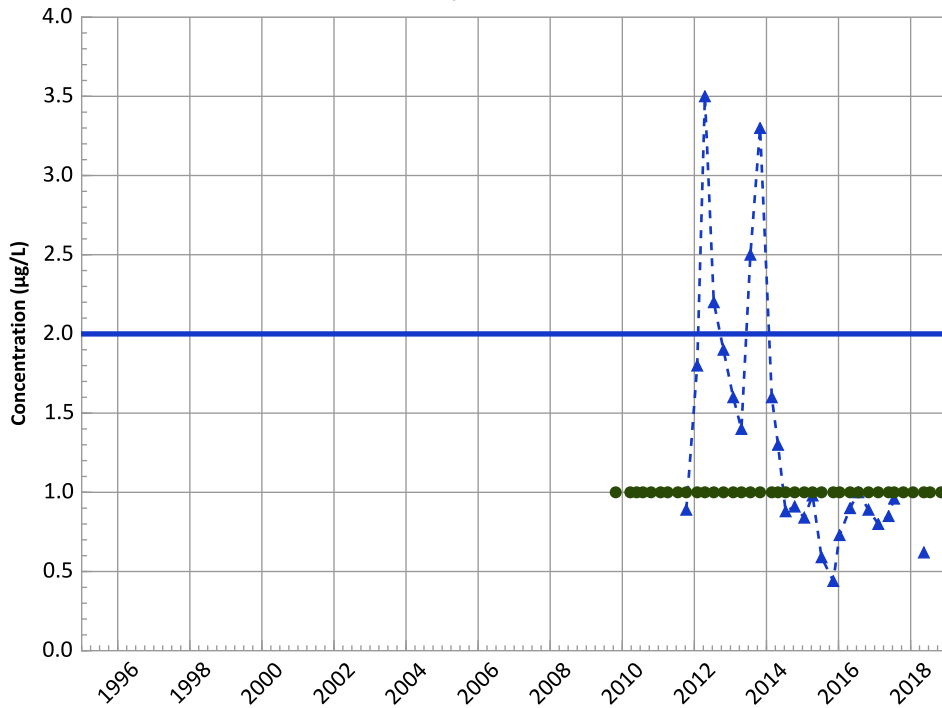


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Vinyl Chloride Trend

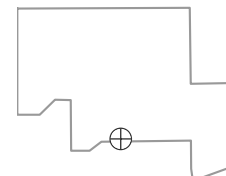


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Well Location

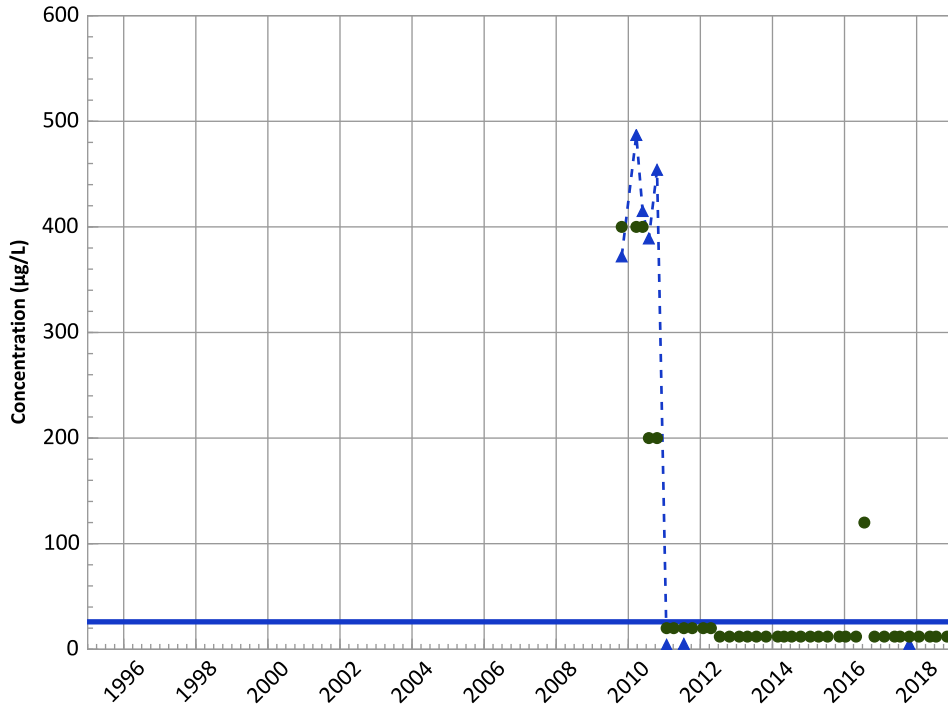


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

Decreasing

MAROS Linear Regression Method

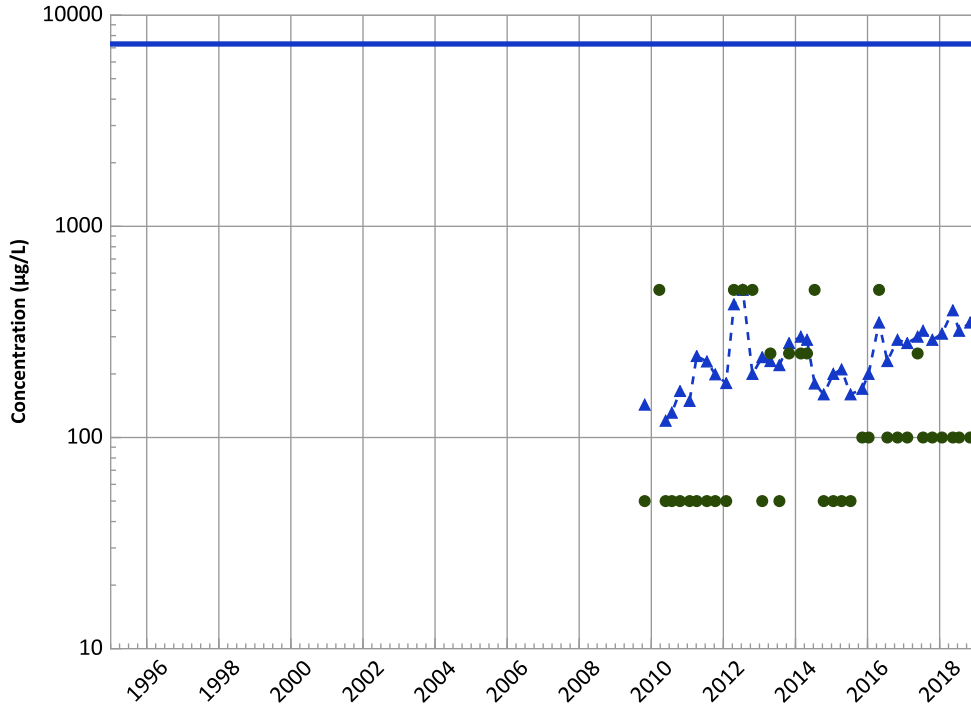
Data (2017 - 2021):

All Non-Detect

All Data:

Probably Decreasing

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

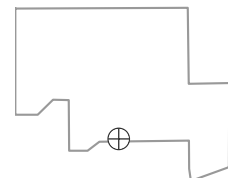
All Data:

Increasing

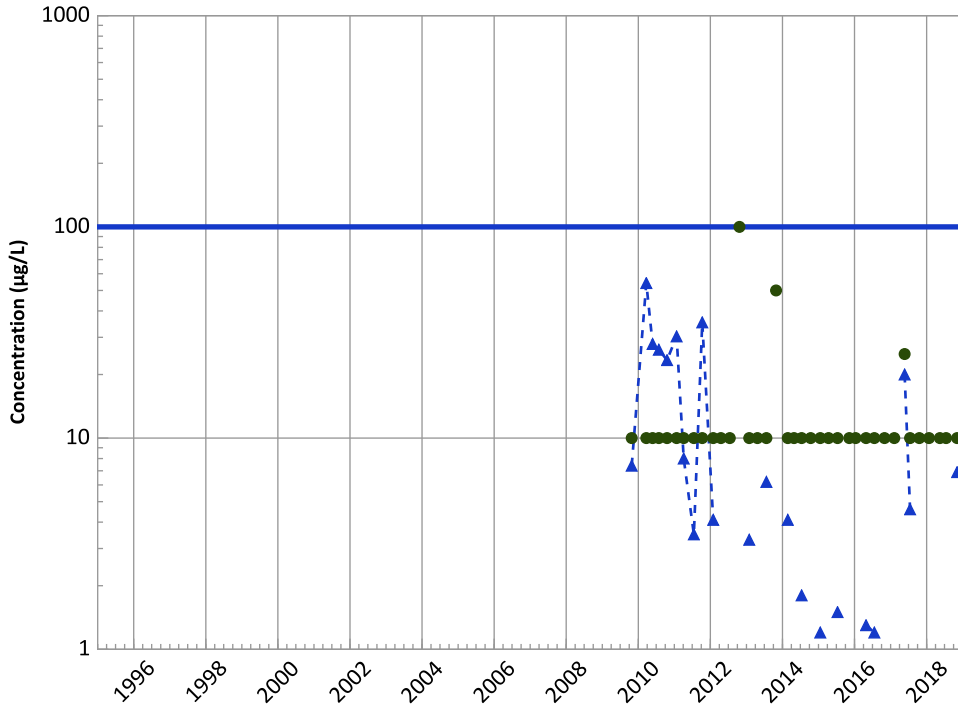
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**

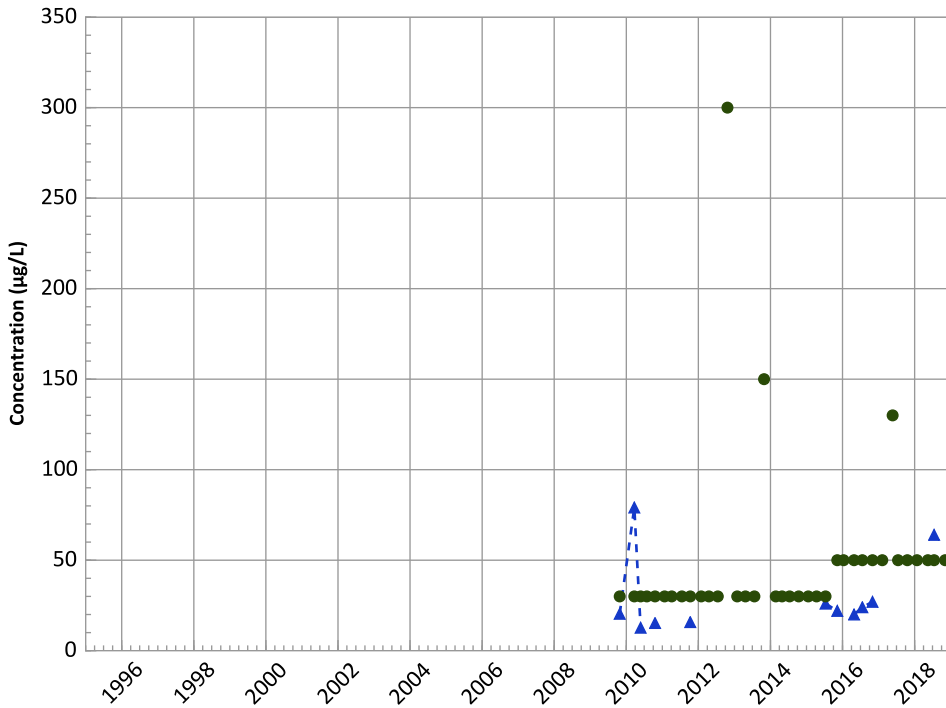


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

Aluminum Trend

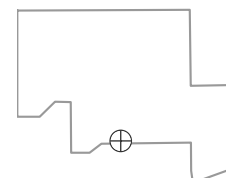


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

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

Well Location

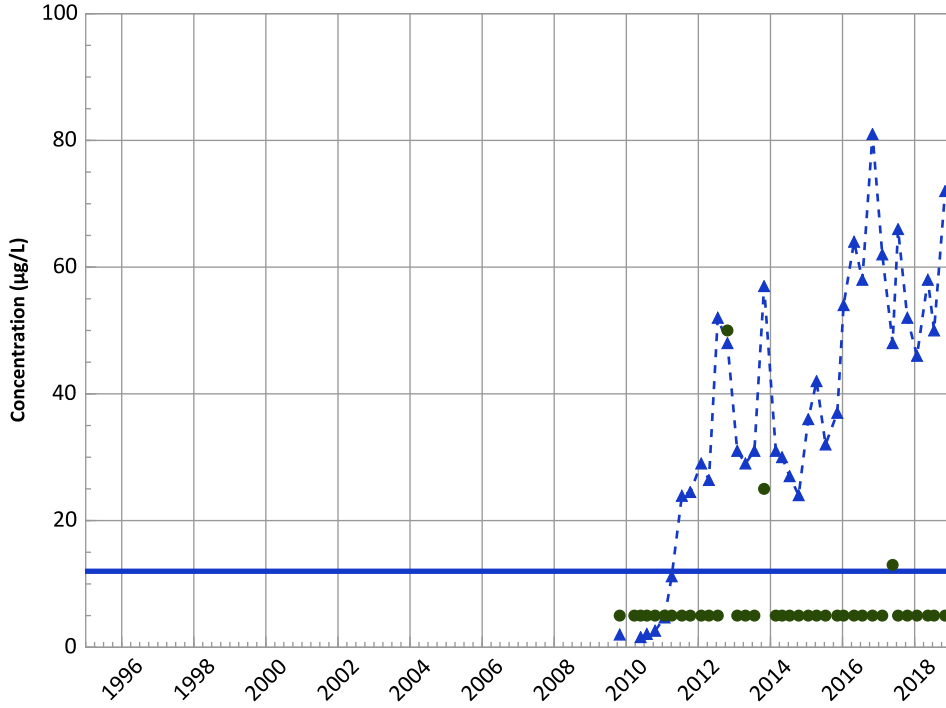


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

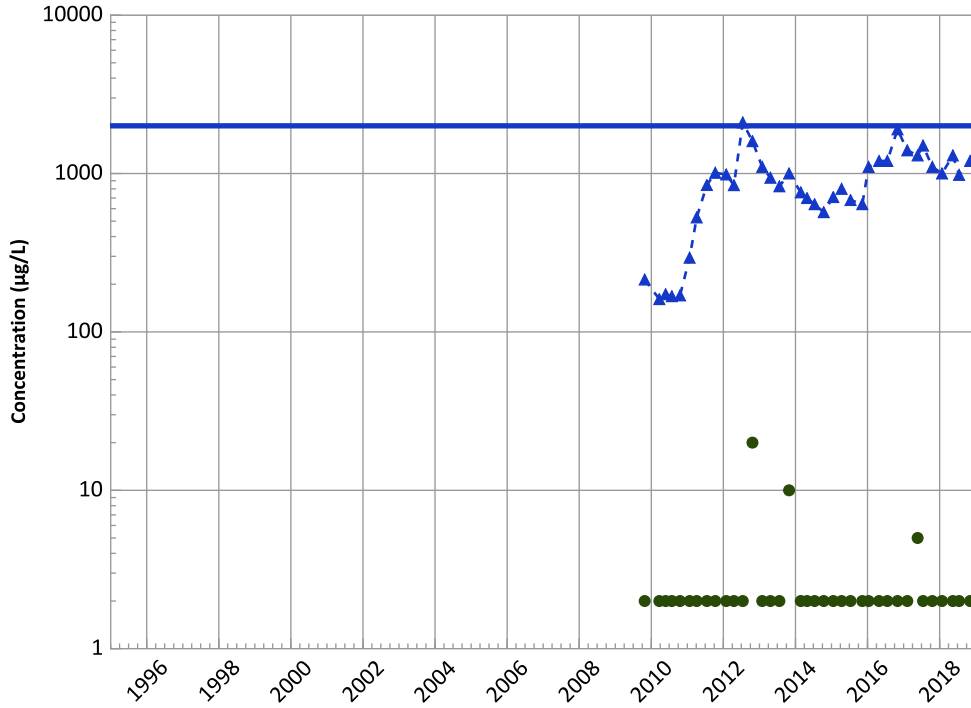
Data (2017 - 2021):

Increasing

All Data:

Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

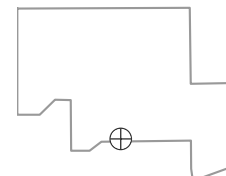
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

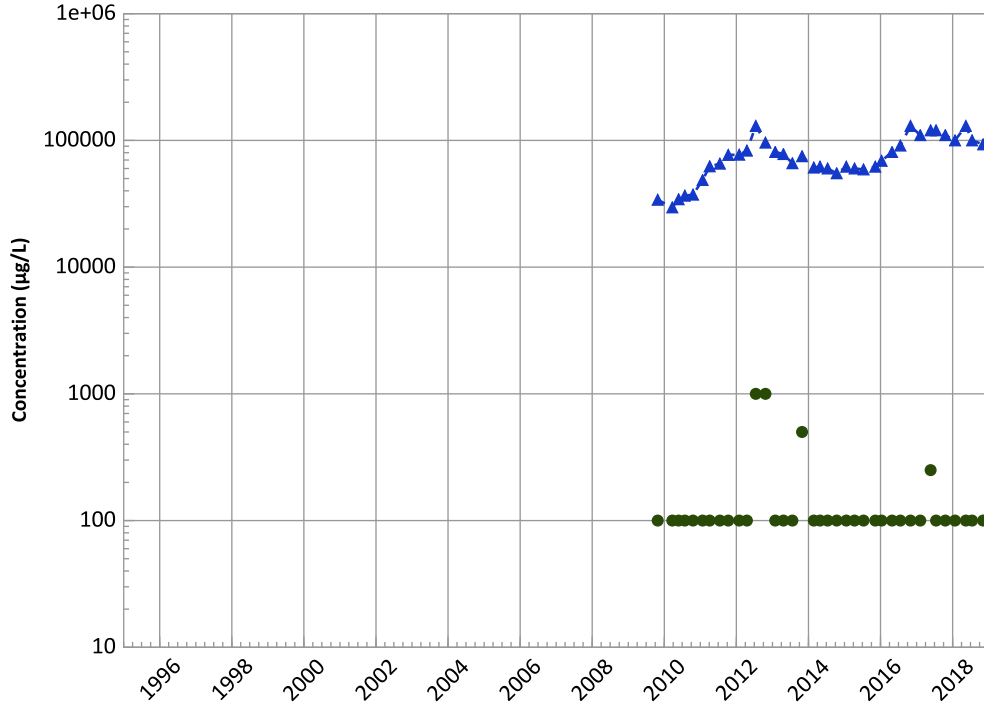
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

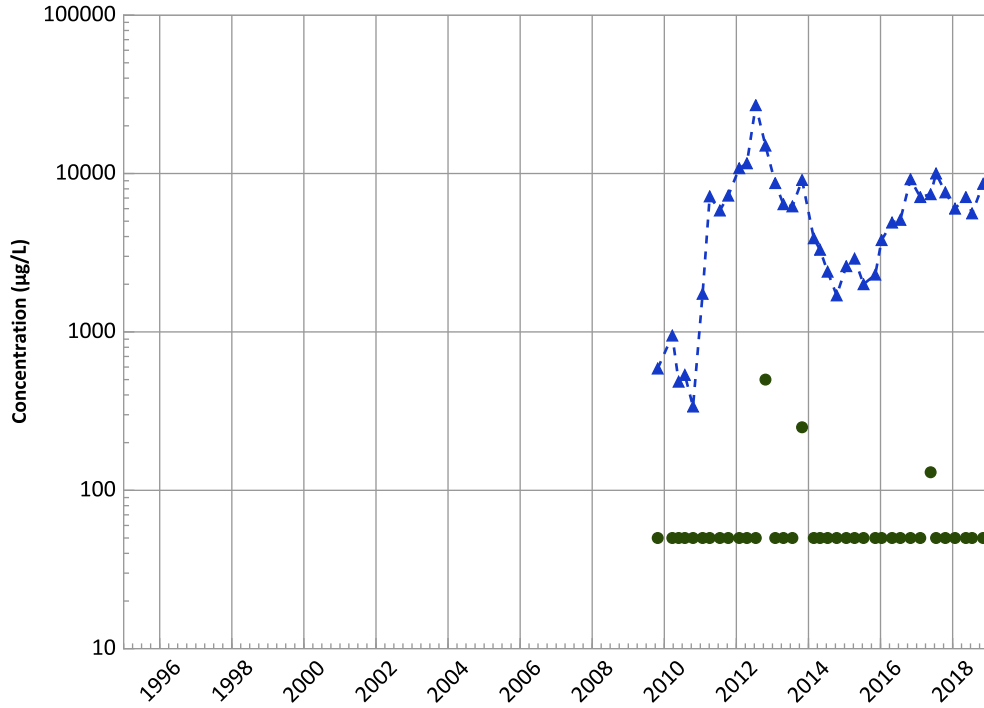
Data (2017 - 2021):

Stable

All Data:

Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

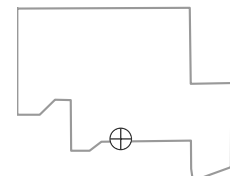
Data (2017 - 2021):

Decreasing

All Data:

Increasing

Well Location

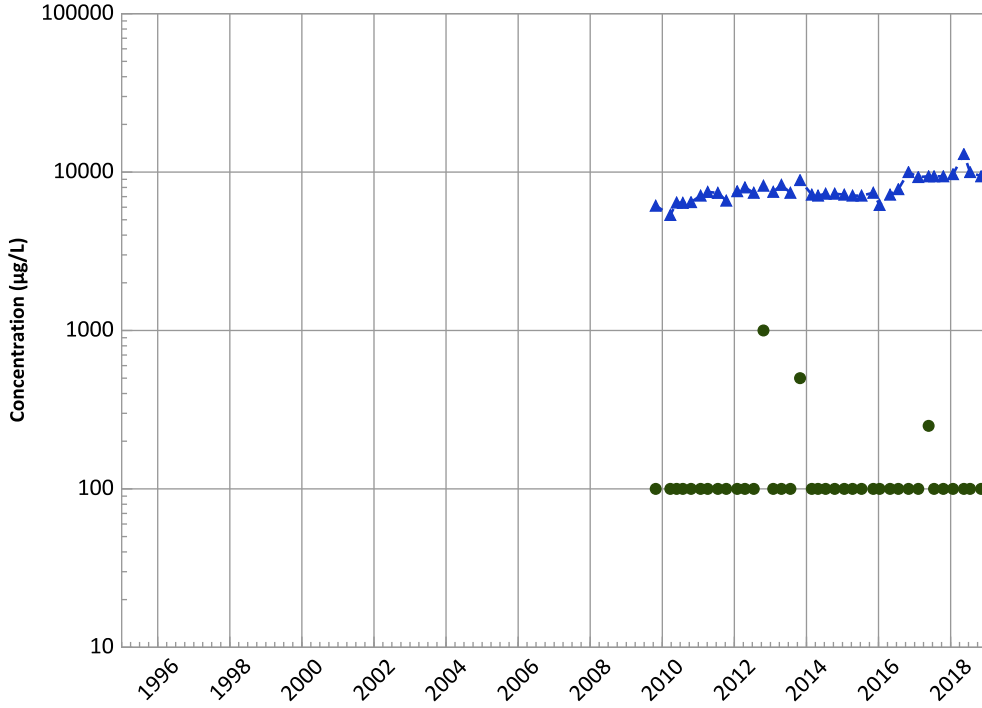


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

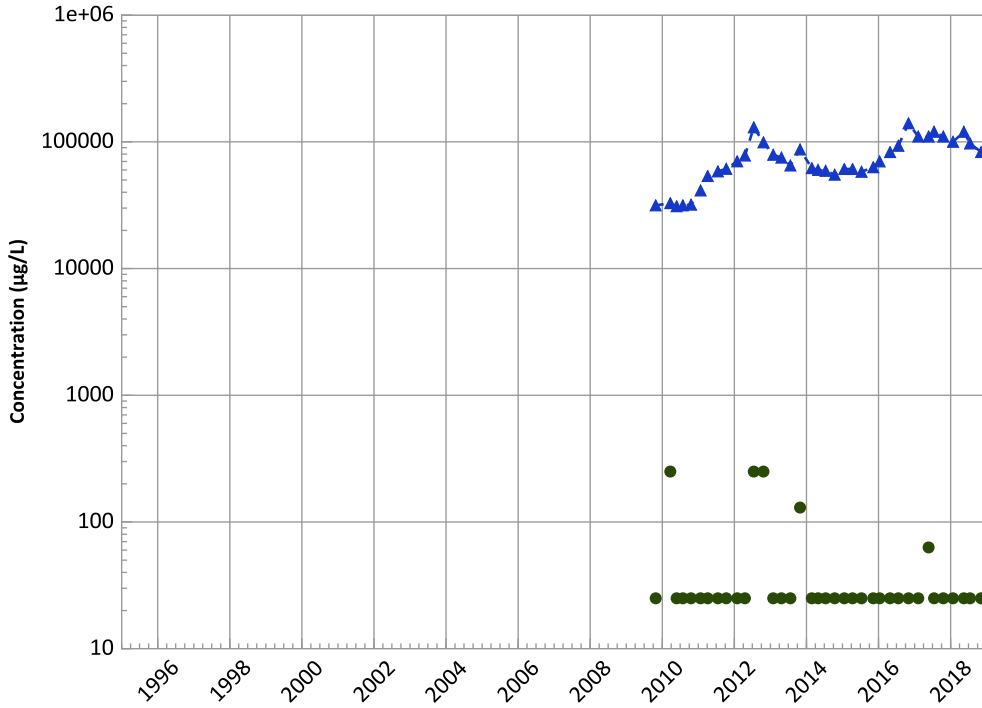
Data (2017 - 2021):

Stable

All Data:

Increasing

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

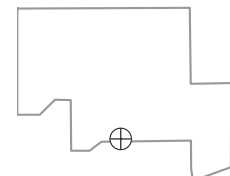
Data (2017 - 2021):

Stable

All Data:

Increasing

Well Location

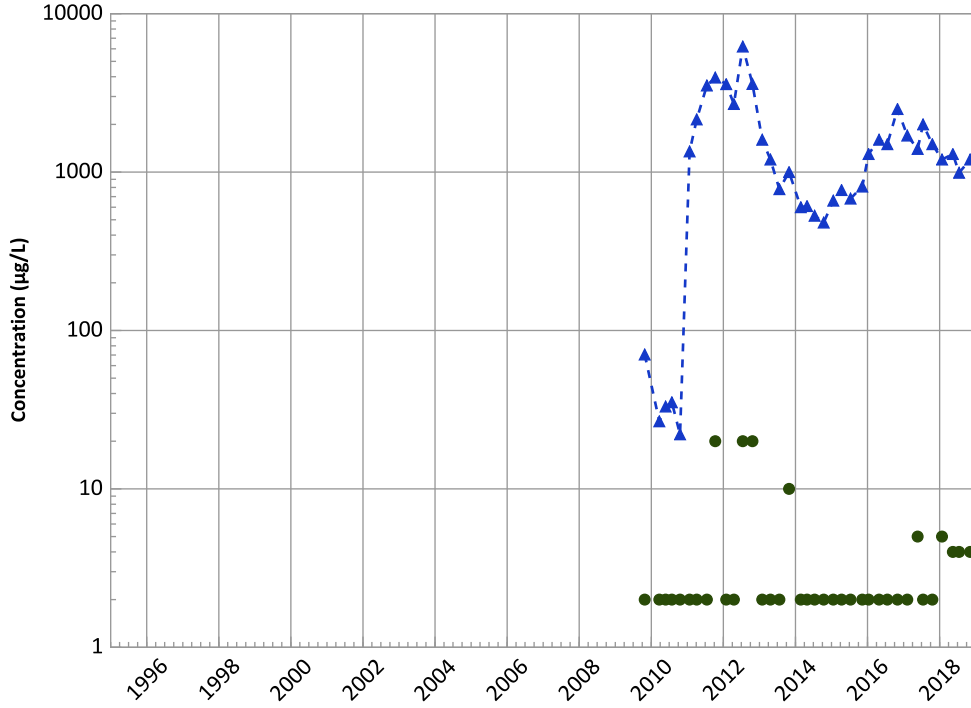


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

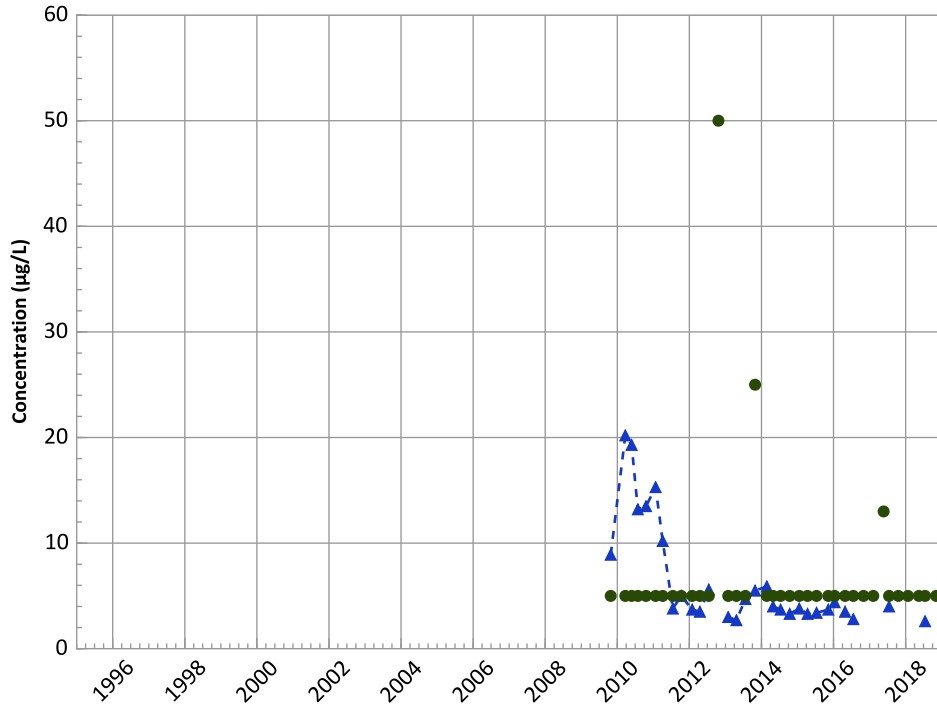
Data (2017 - 2021):

Decreasing

All Data:

Increasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

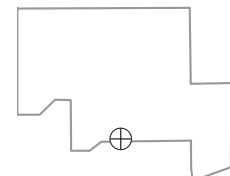
Data (2017 - 2021):

Stable

All Data:

Decreasing

Well Location

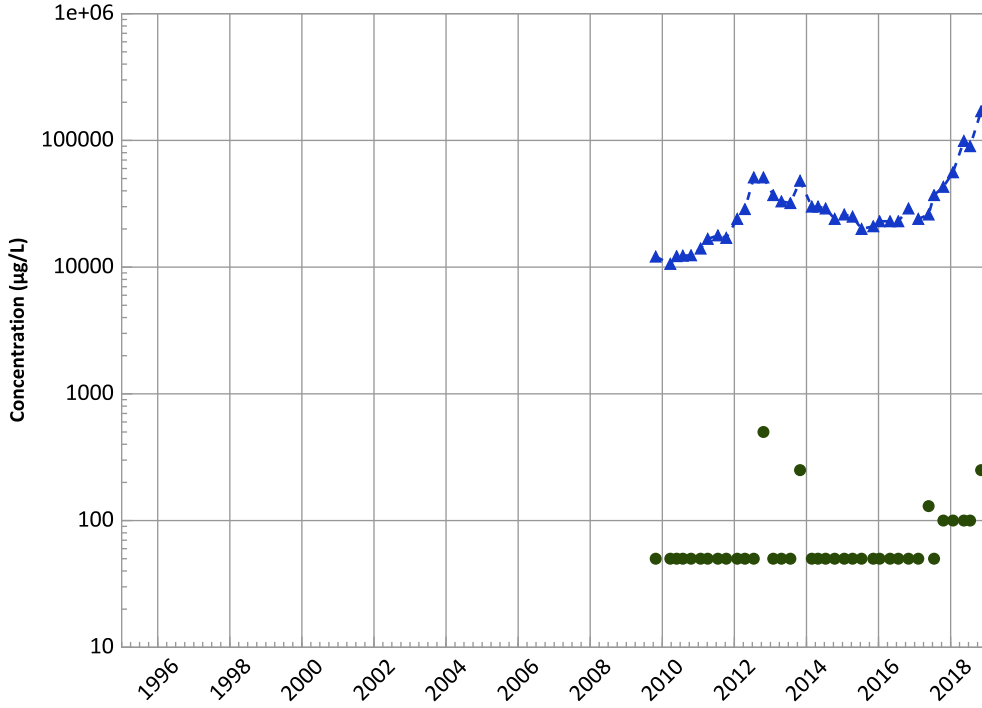


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend

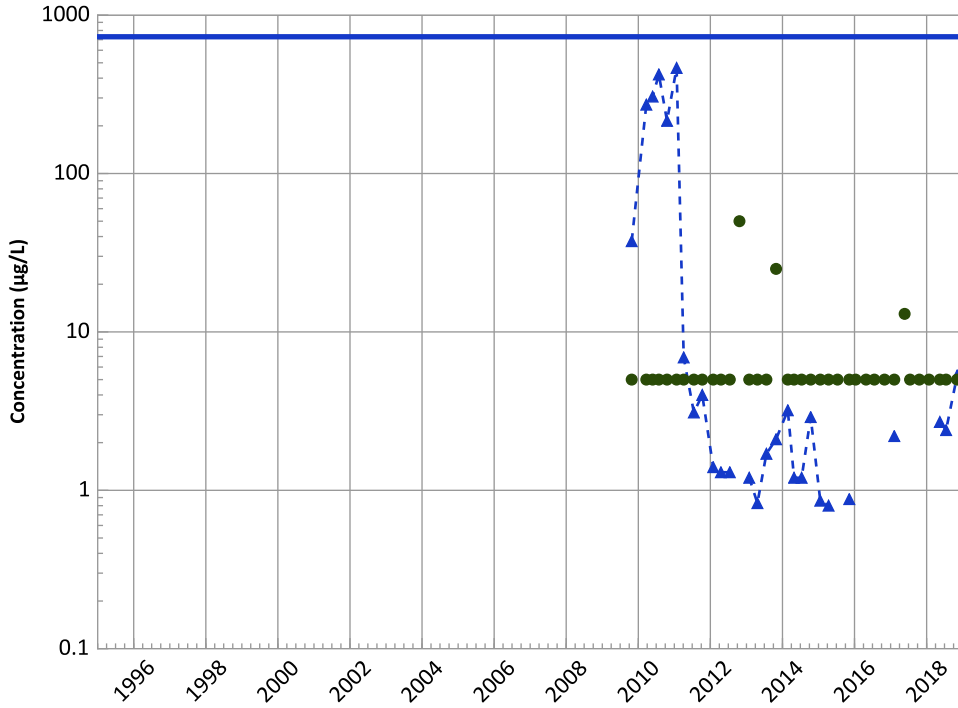


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Nickel Trend

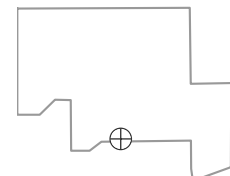


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Decreasing

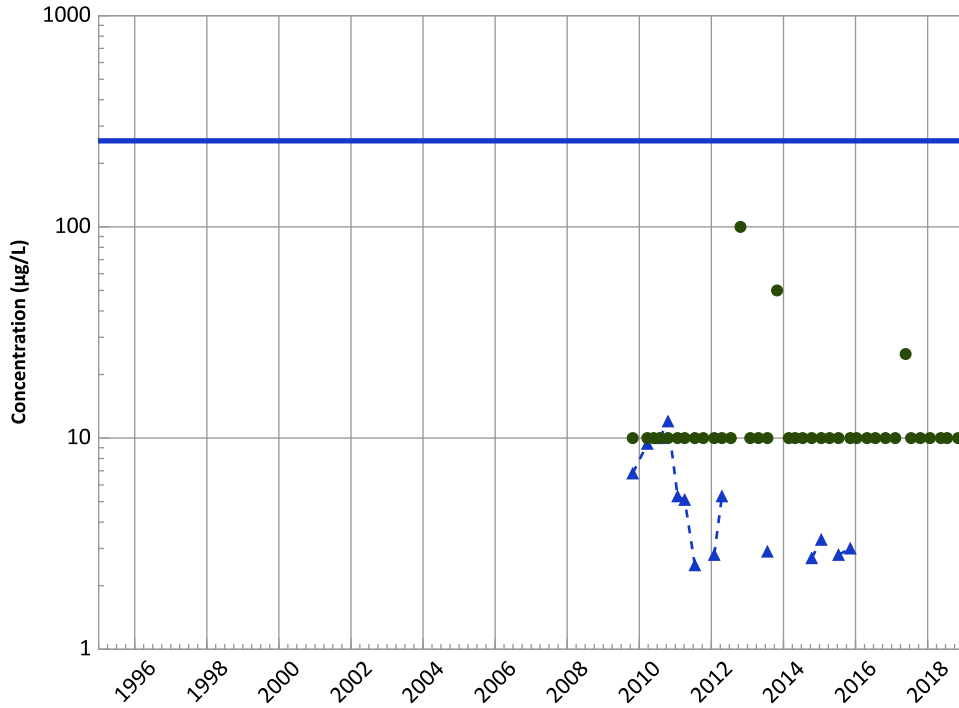
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

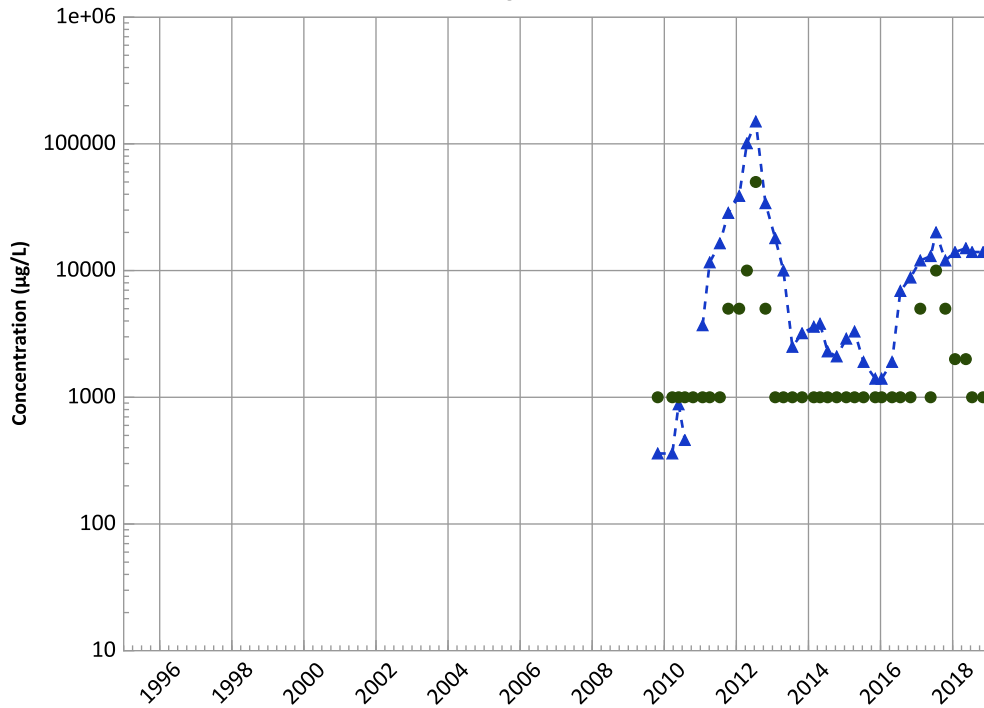


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Decreasing

Total Organic Carbon Trend

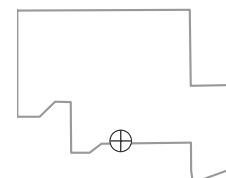


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Probably Increasing

Well Location

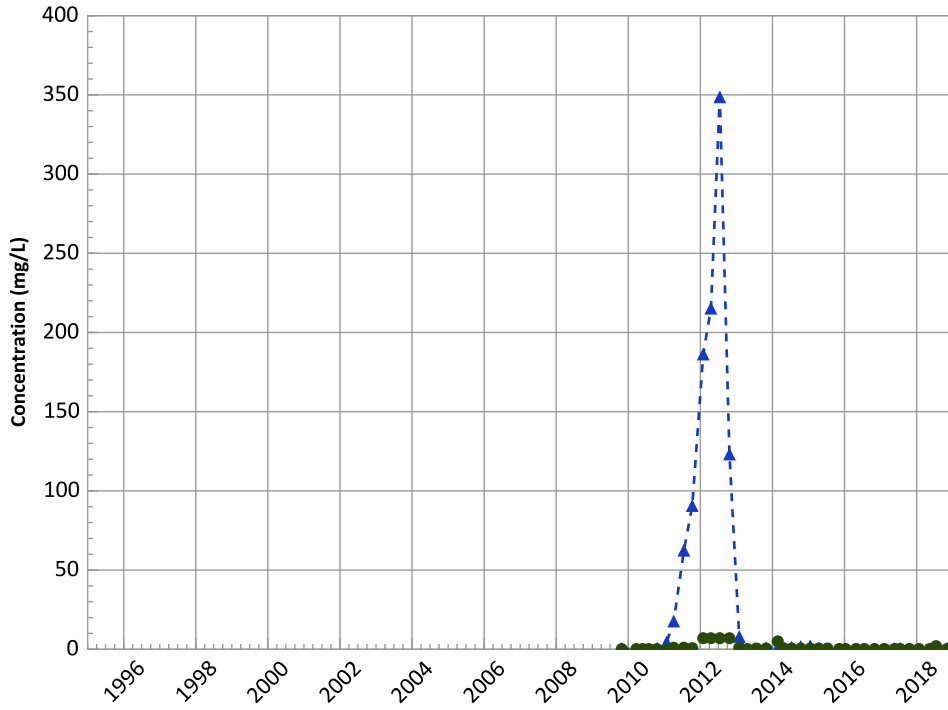


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1155 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

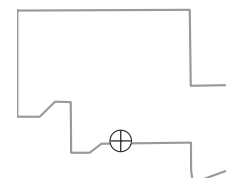
All Data:

Decreasing

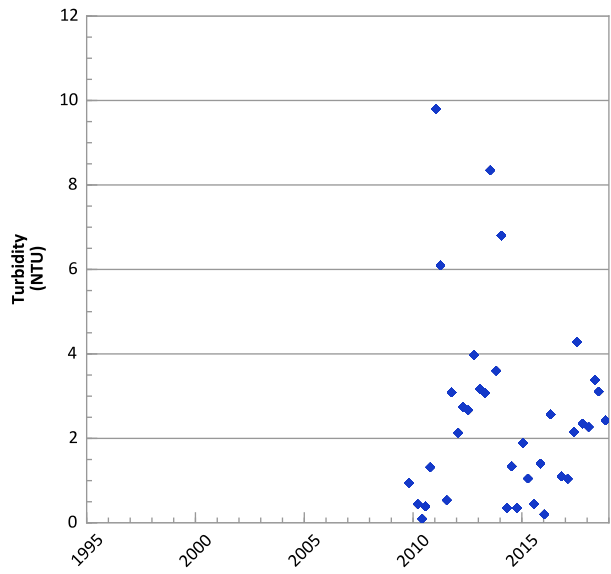
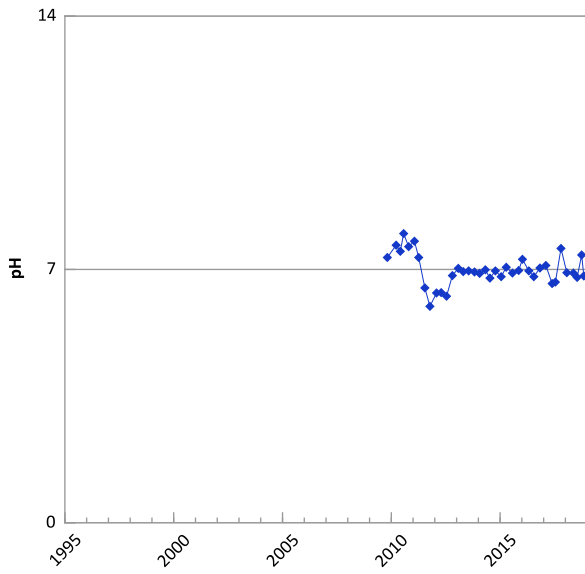
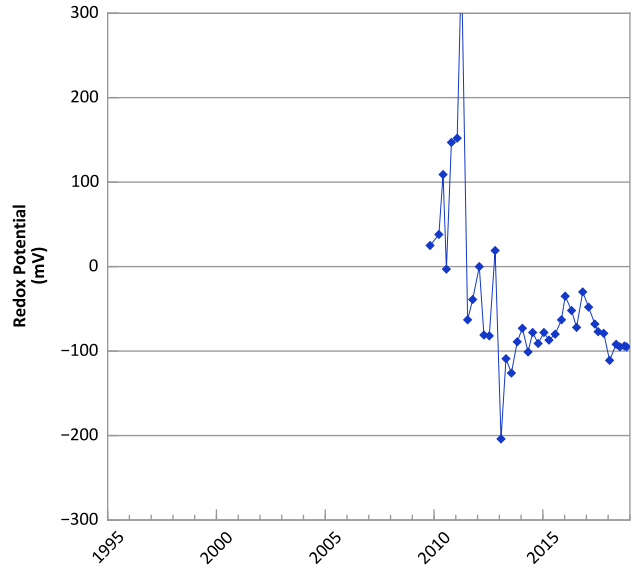
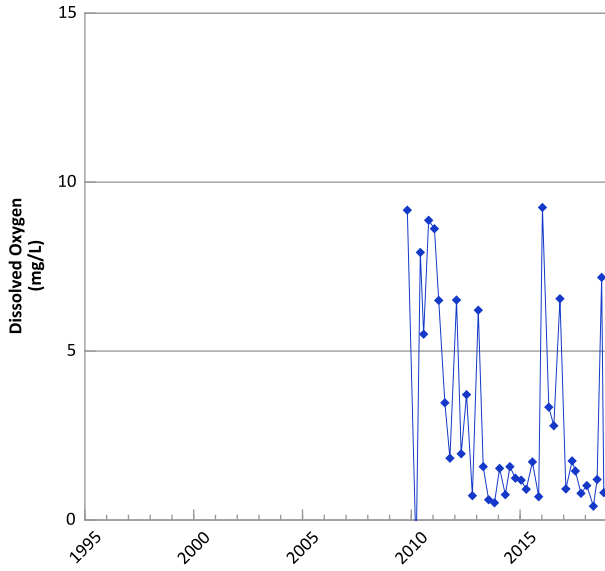
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

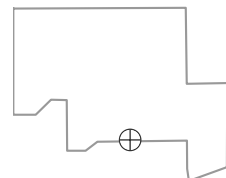


**PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



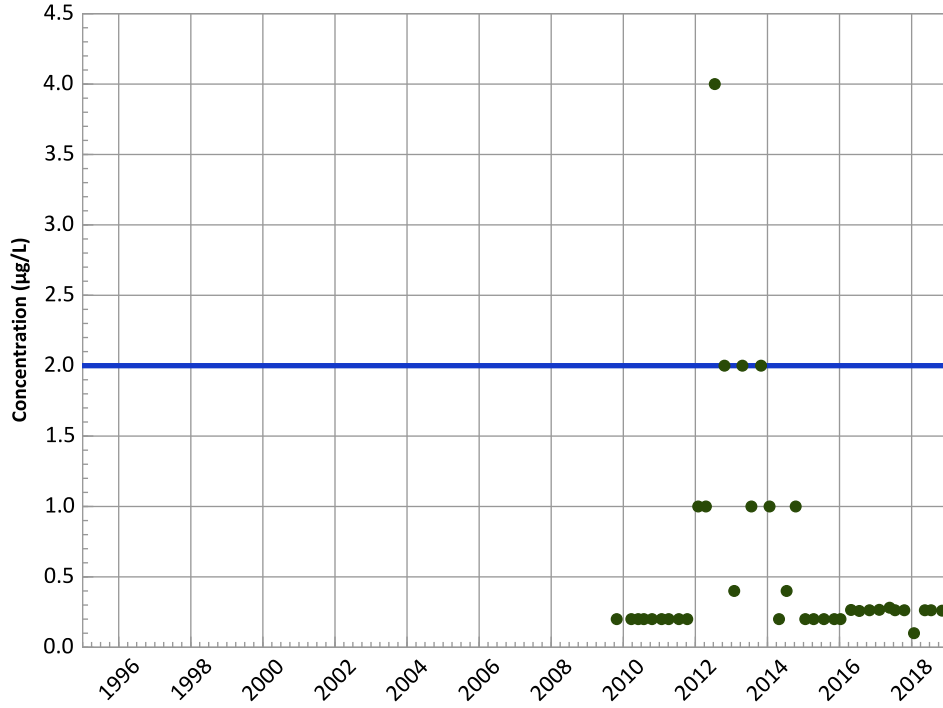
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

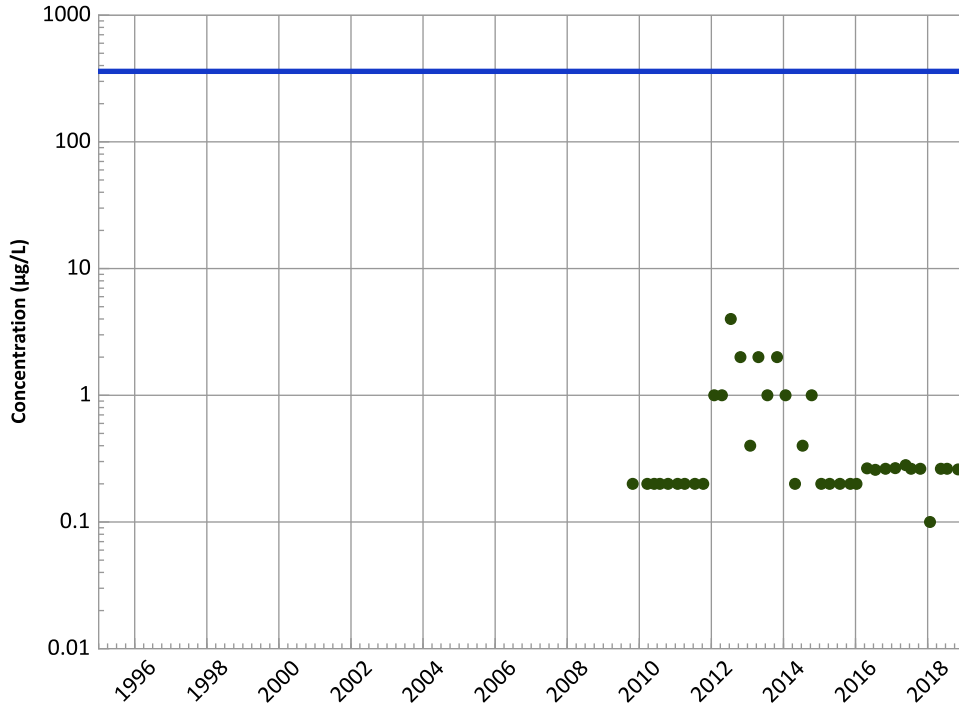
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

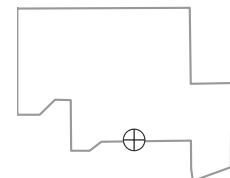
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

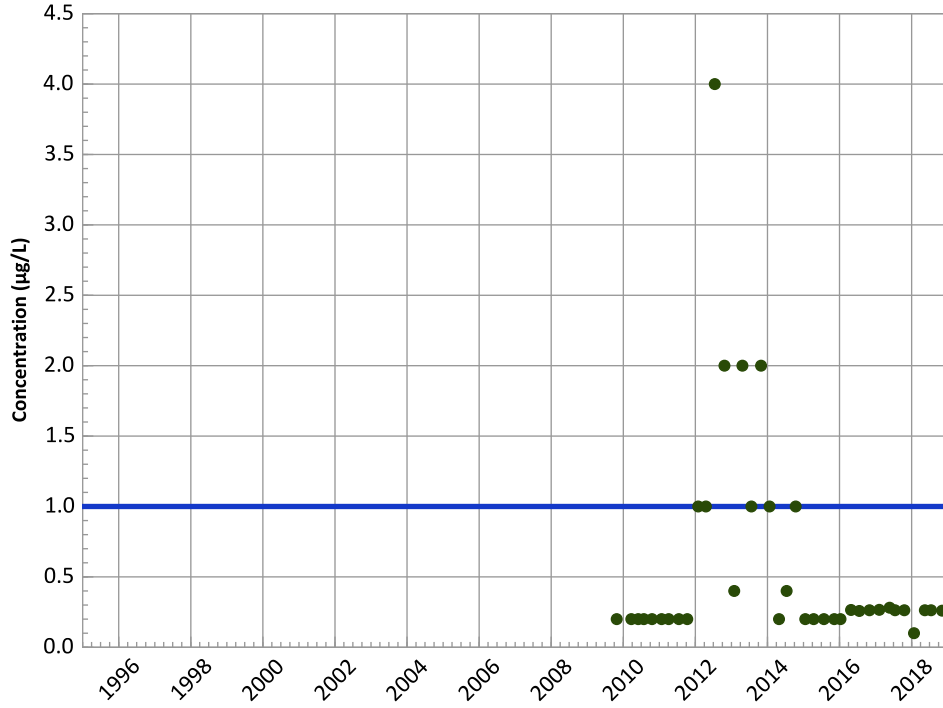
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

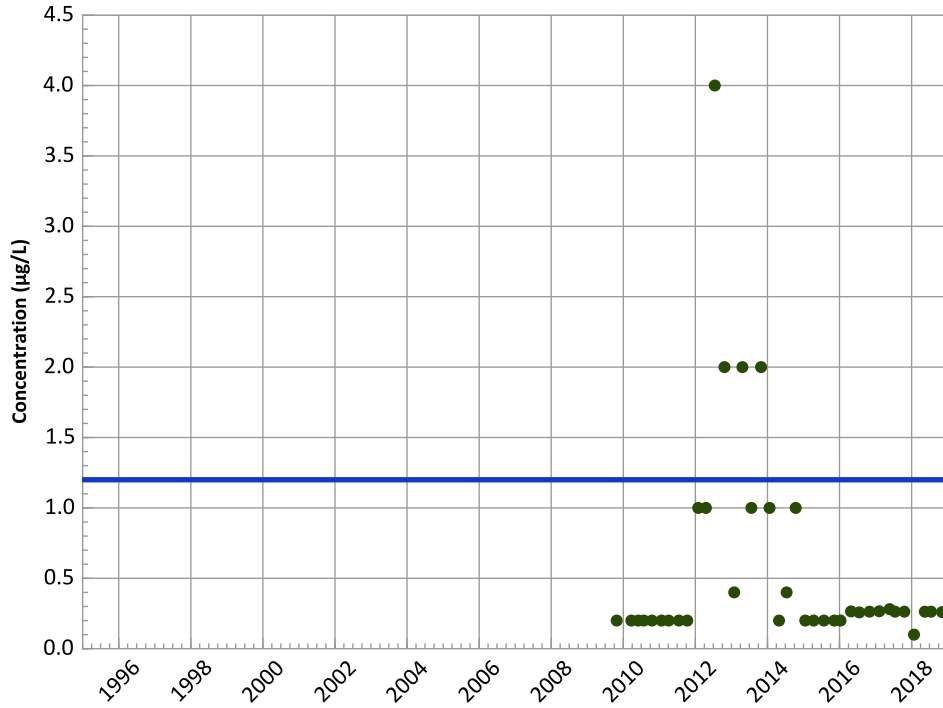
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

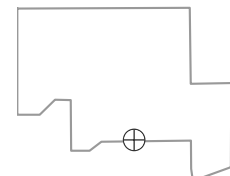
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

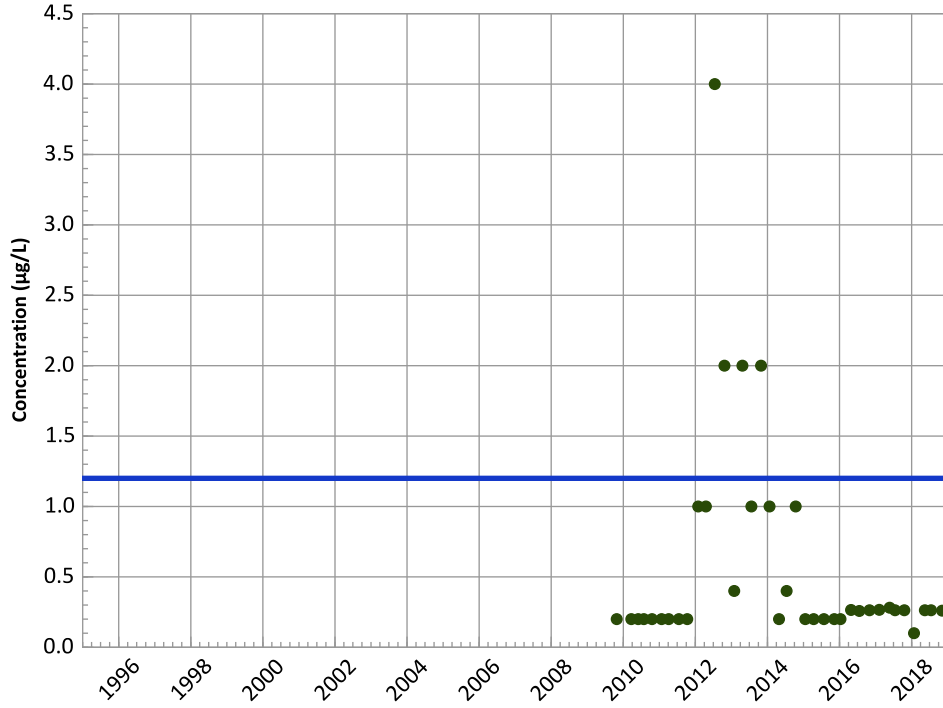
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

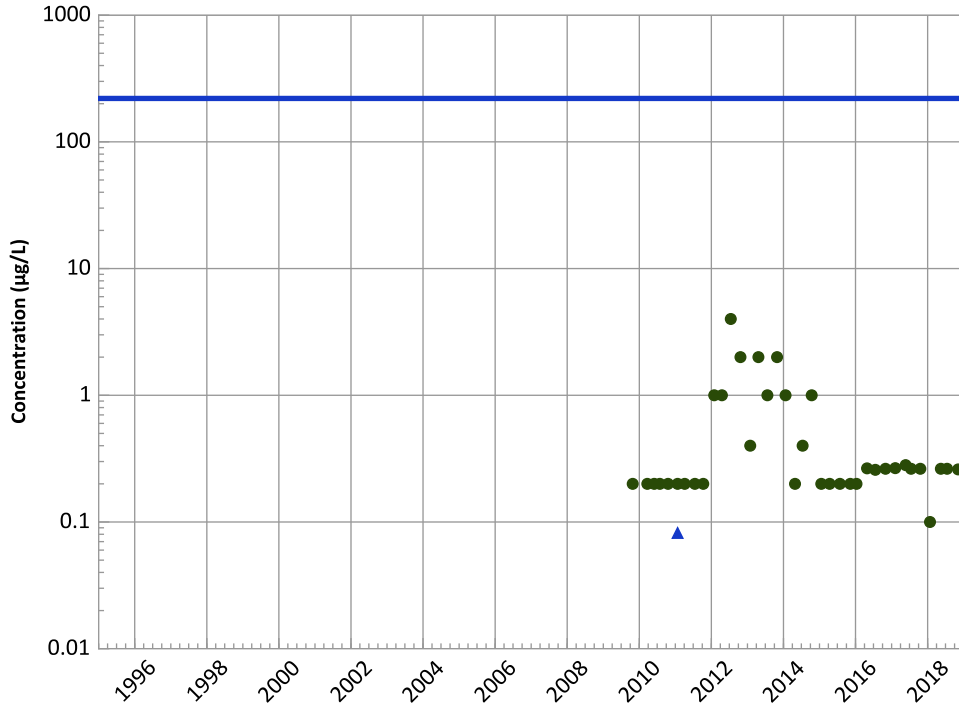
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

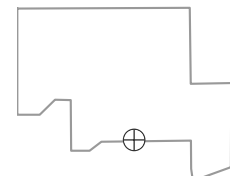
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

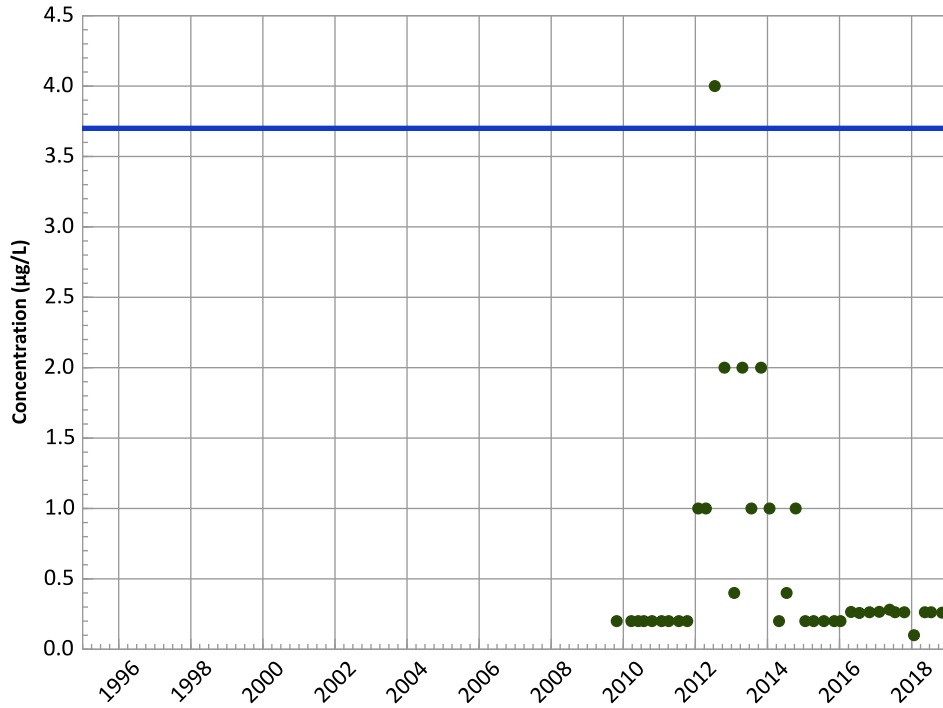


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

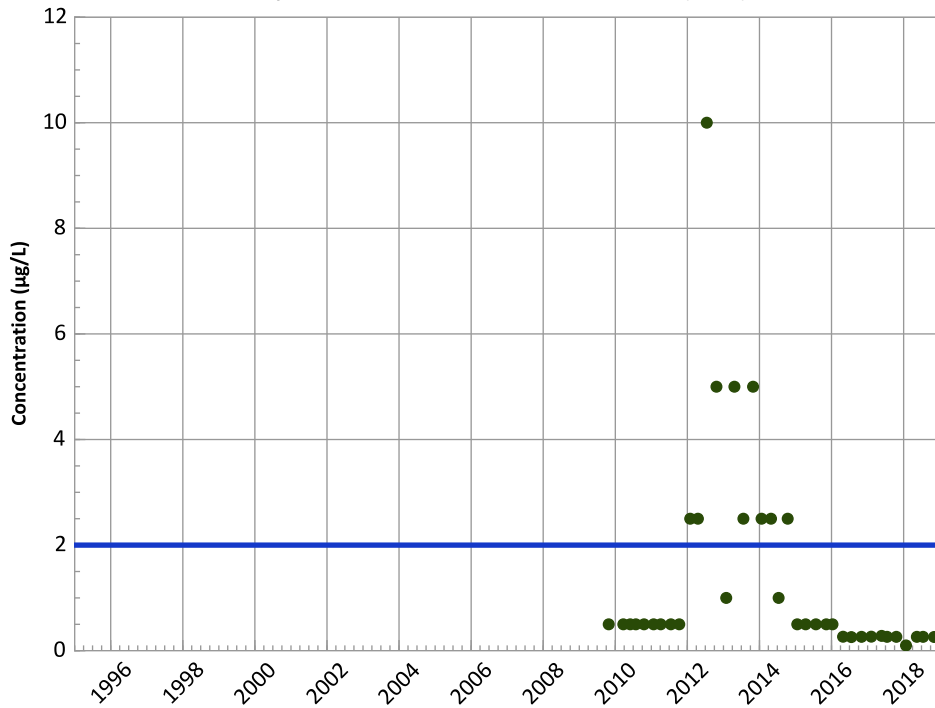
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

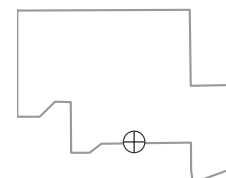
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

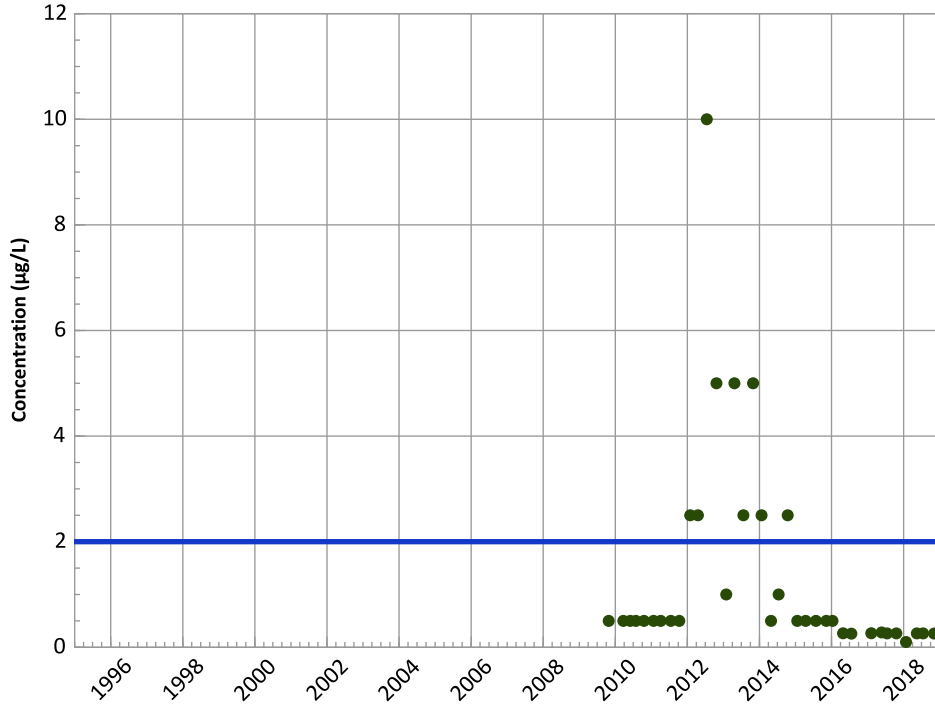
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

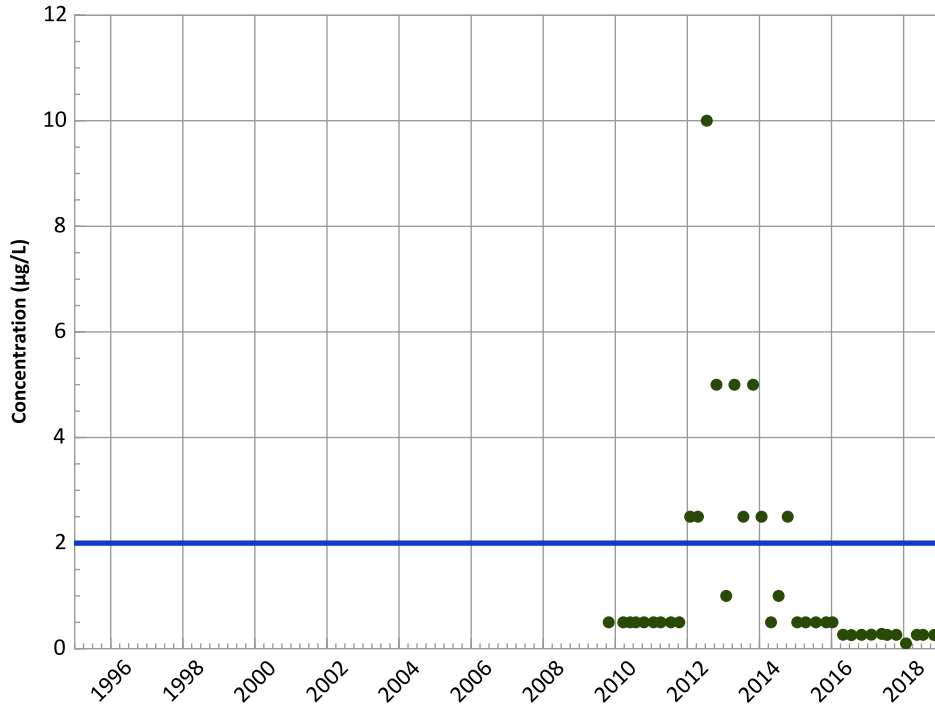
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

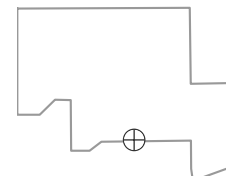
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

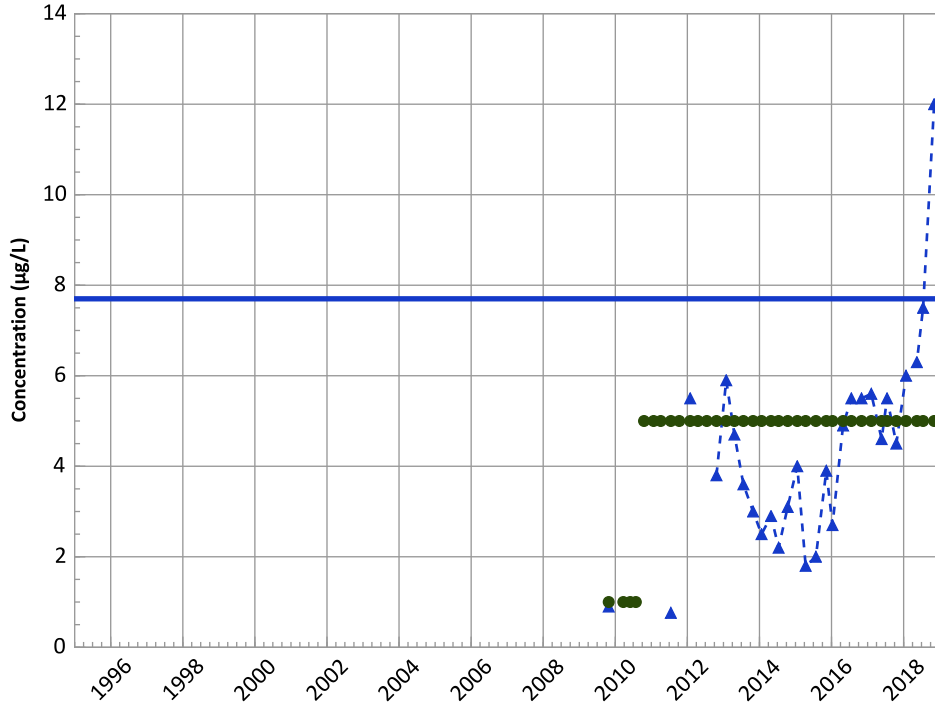
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

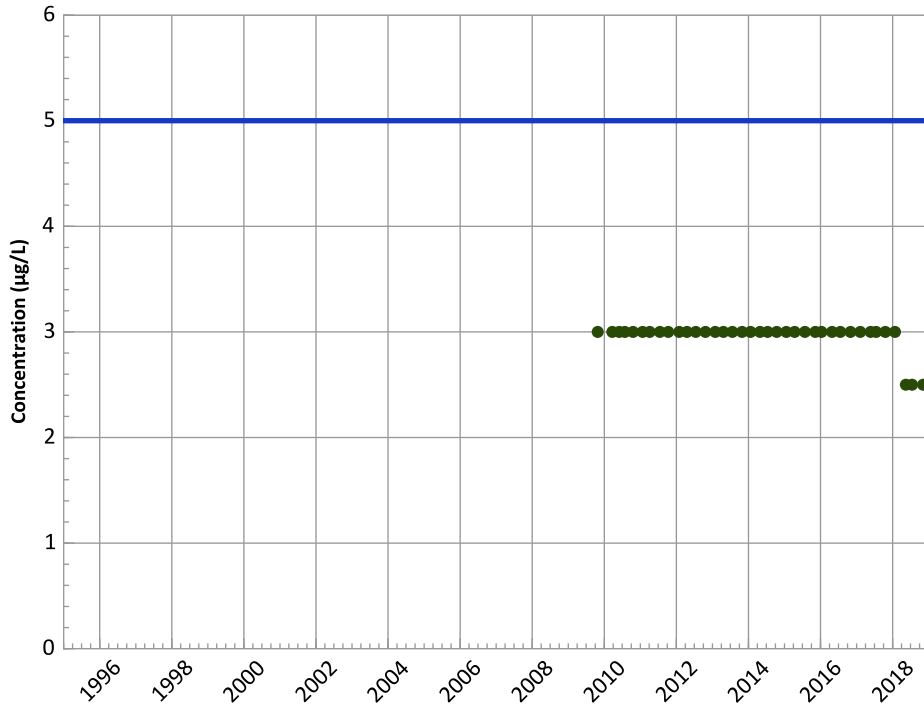
Data (2017 - 2021):

Stable

All Data:

Increasing

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

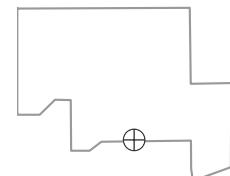
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

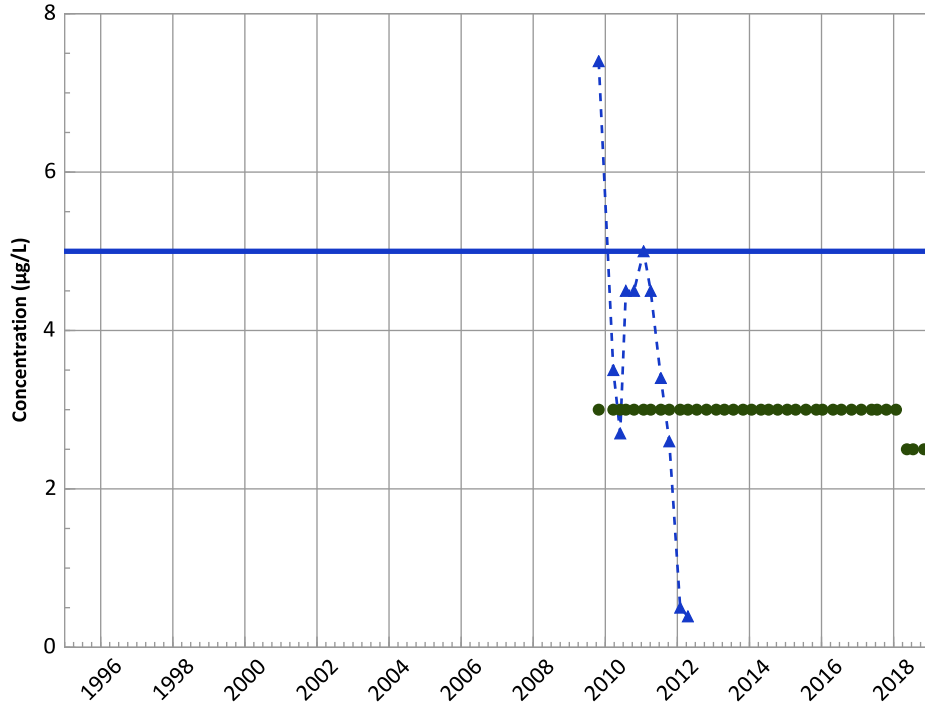


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

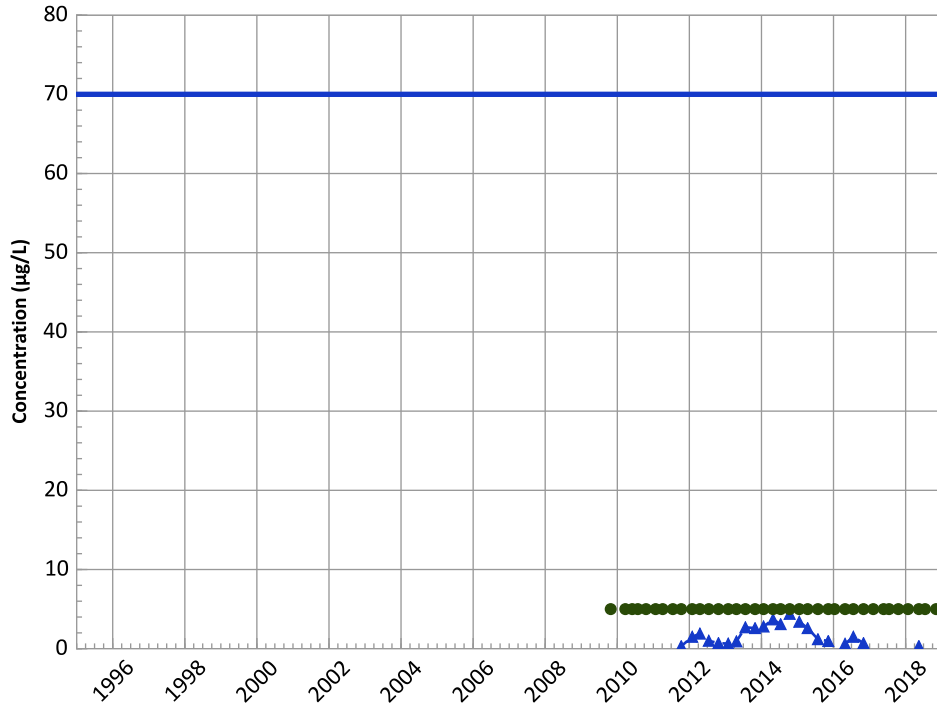


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

cis-1,2-Dichloroethene Trend



Concentration Trend

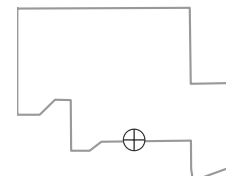
MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

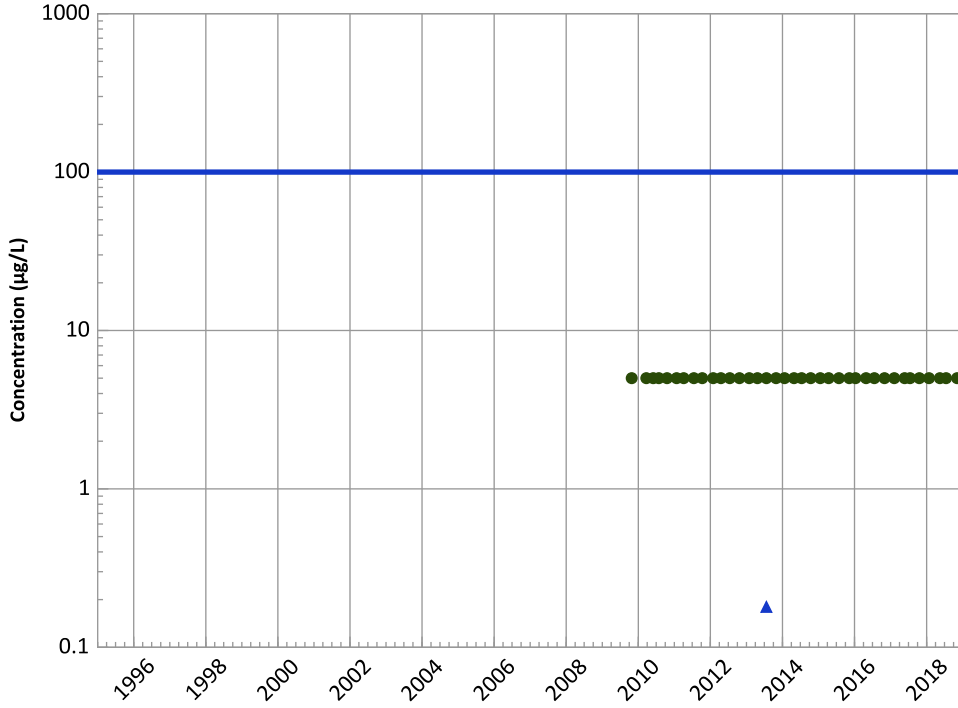
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend

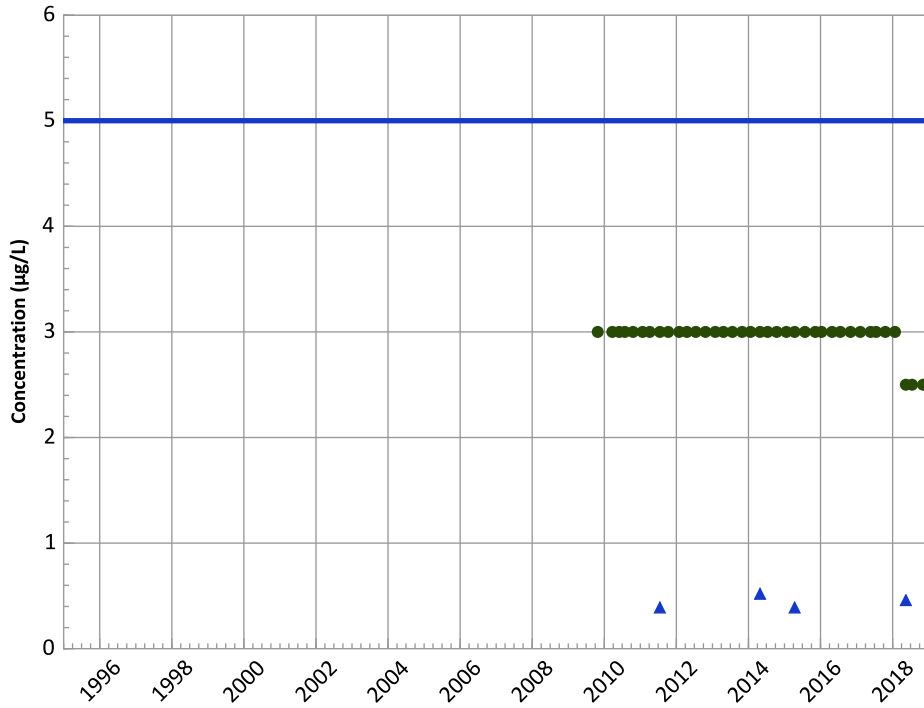


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,2-Dichloroethane Trend



Concentration Trend

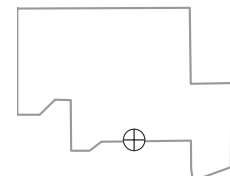
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

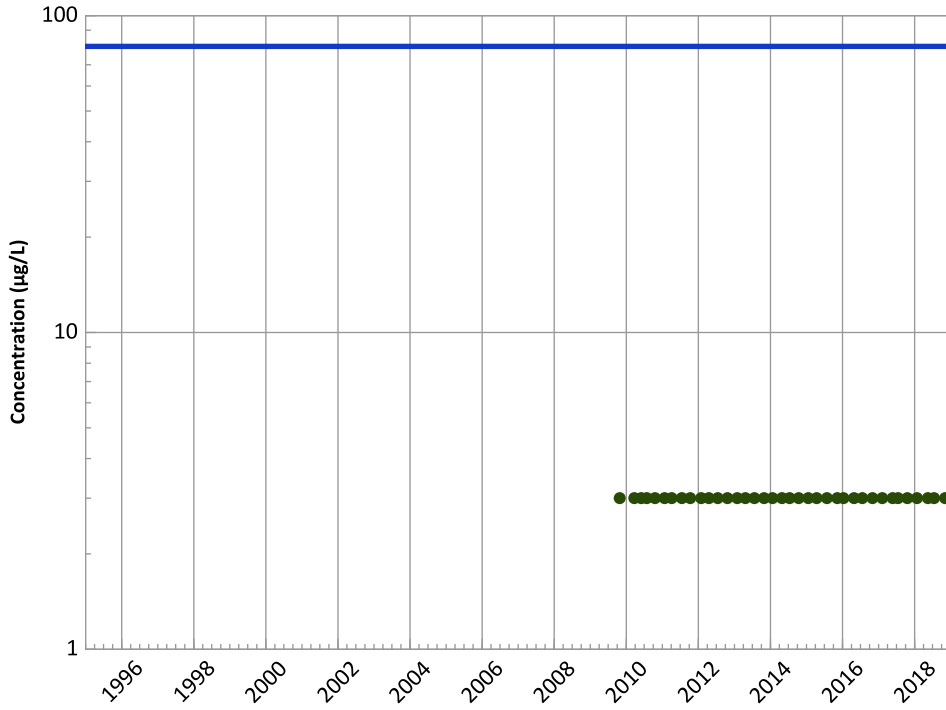
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

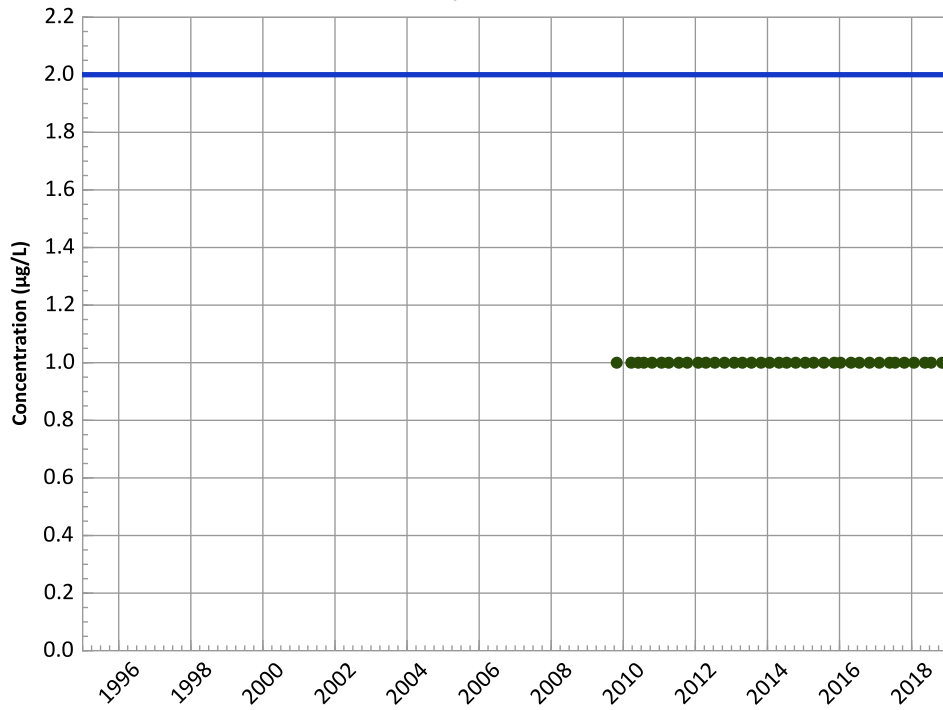
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Vinyl Chloride Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

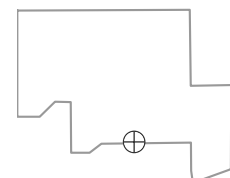
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

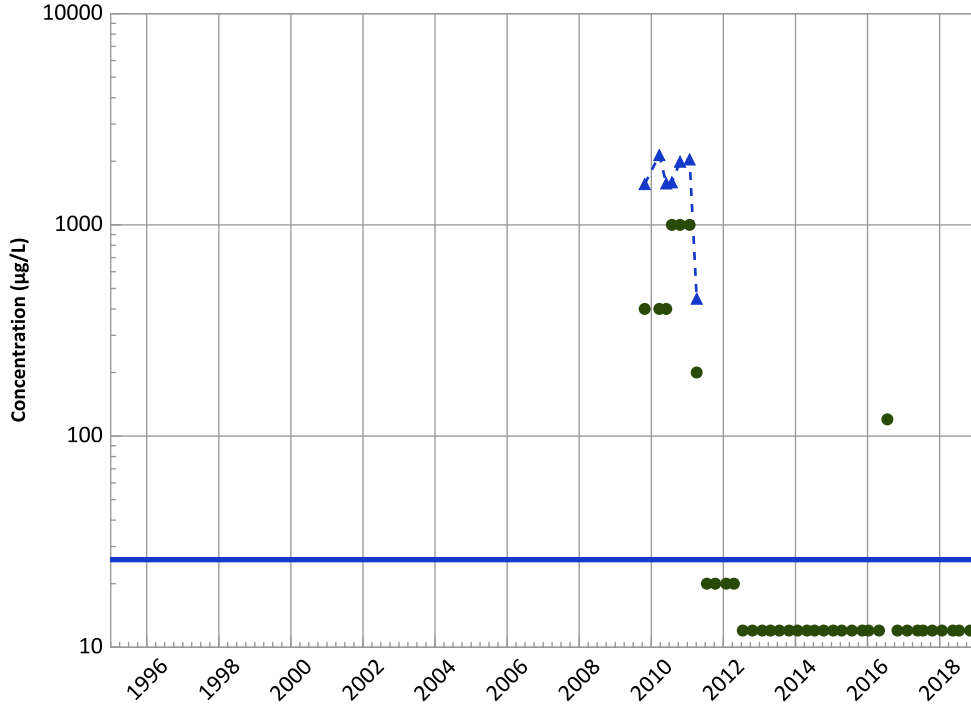


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend

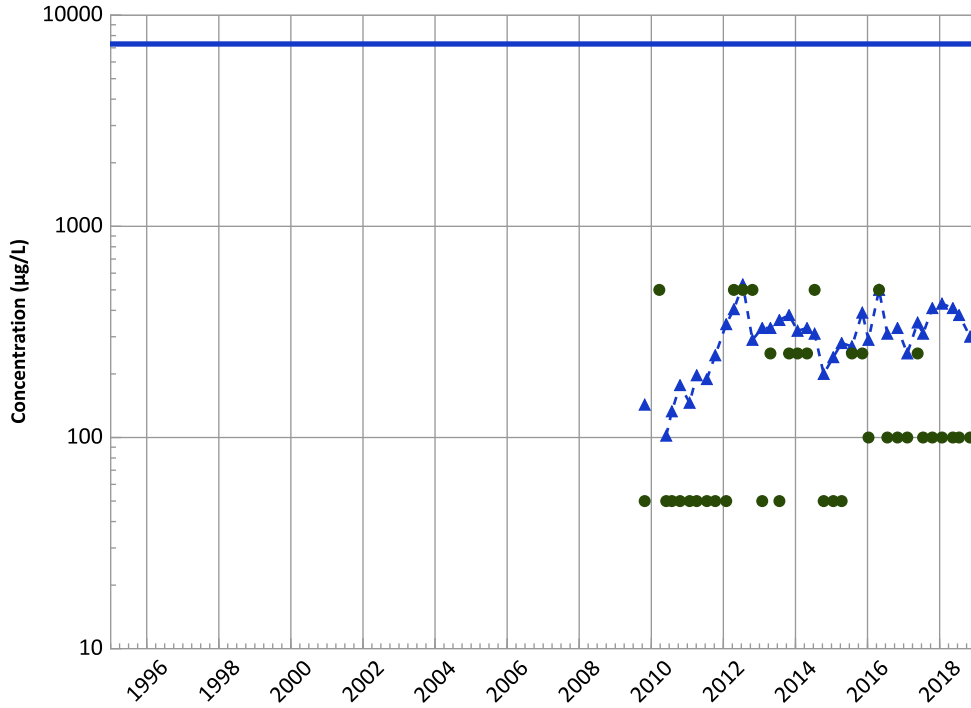


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
Stable

Boron Trend

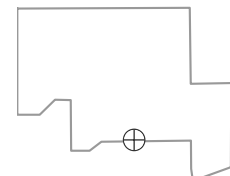


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Increasing

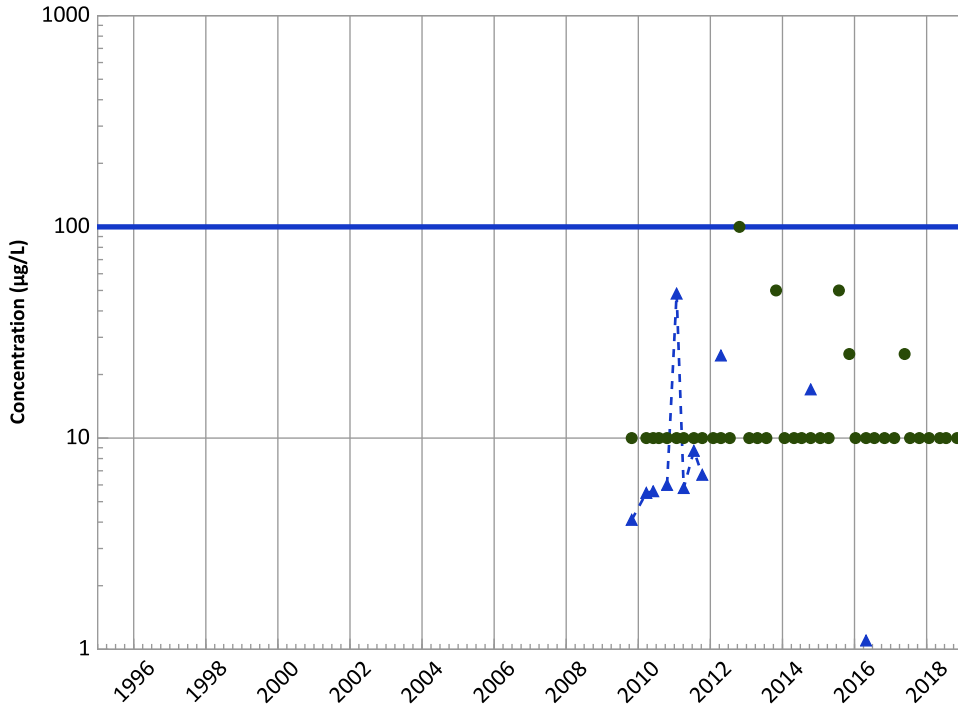
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**

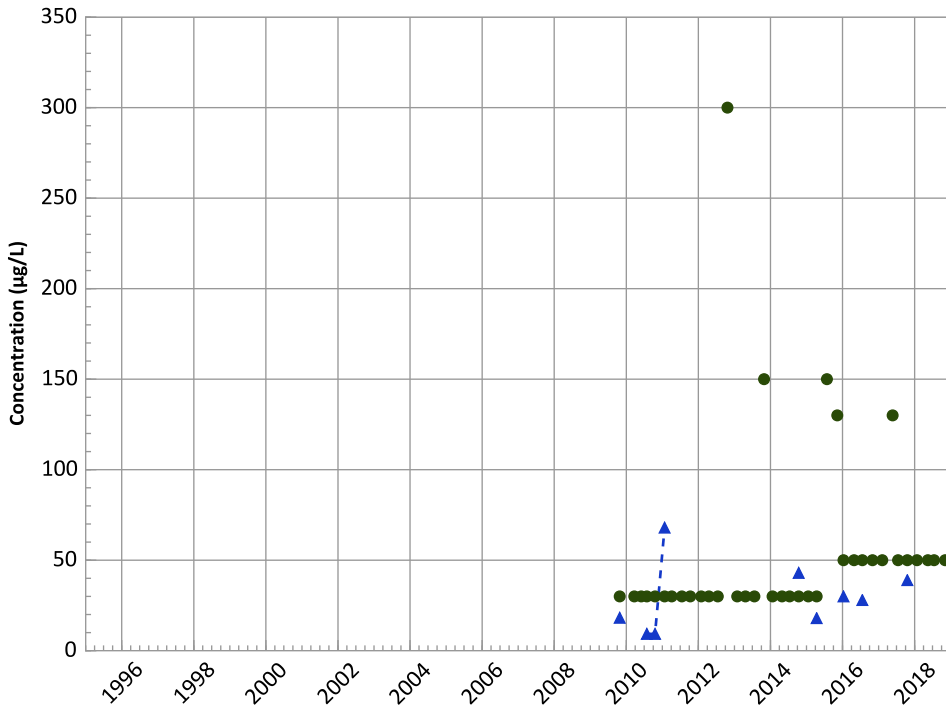


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Aluminum Trend

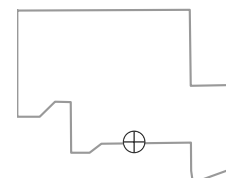


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Probably Increasing
All Data:
Increasing

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

Well Location

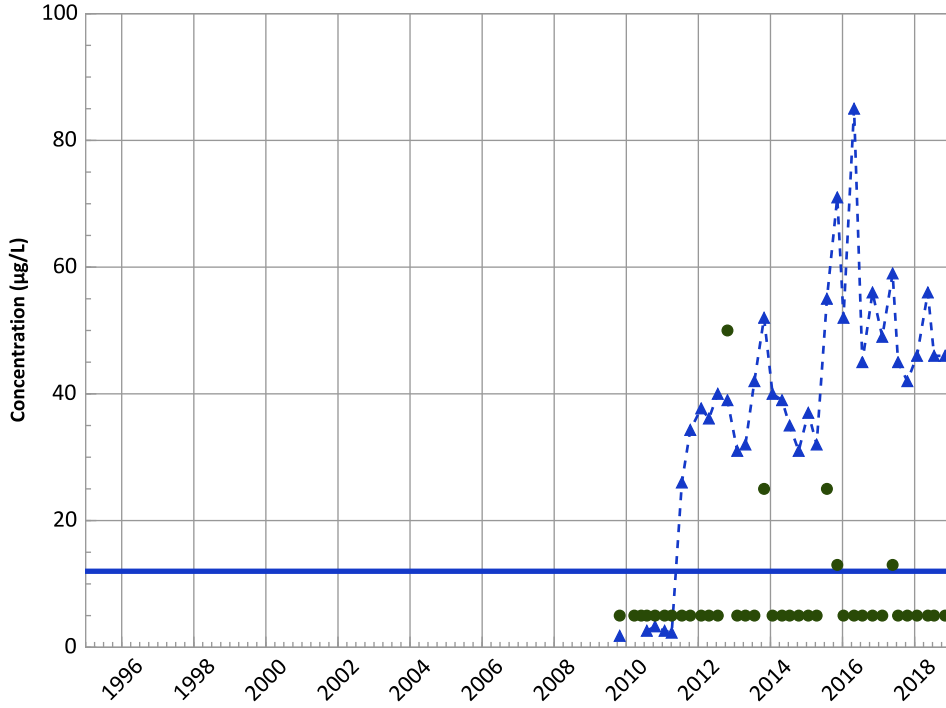


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

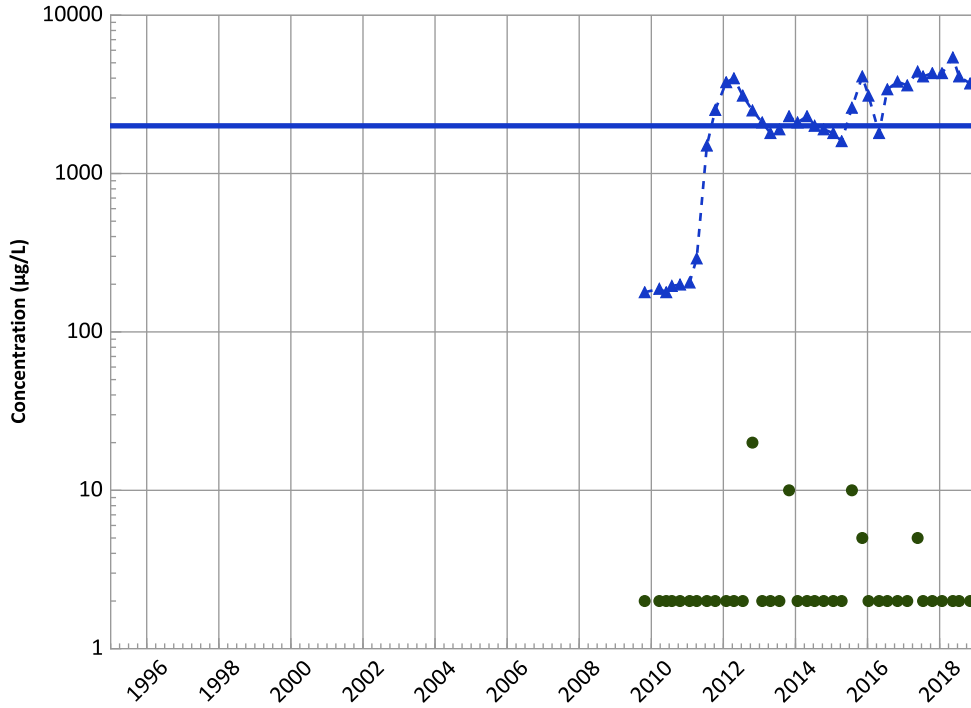
Data (2017 - 2021):

Increasing

All Data:

Increasing

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Increasing

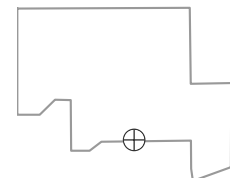
All Data:

Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

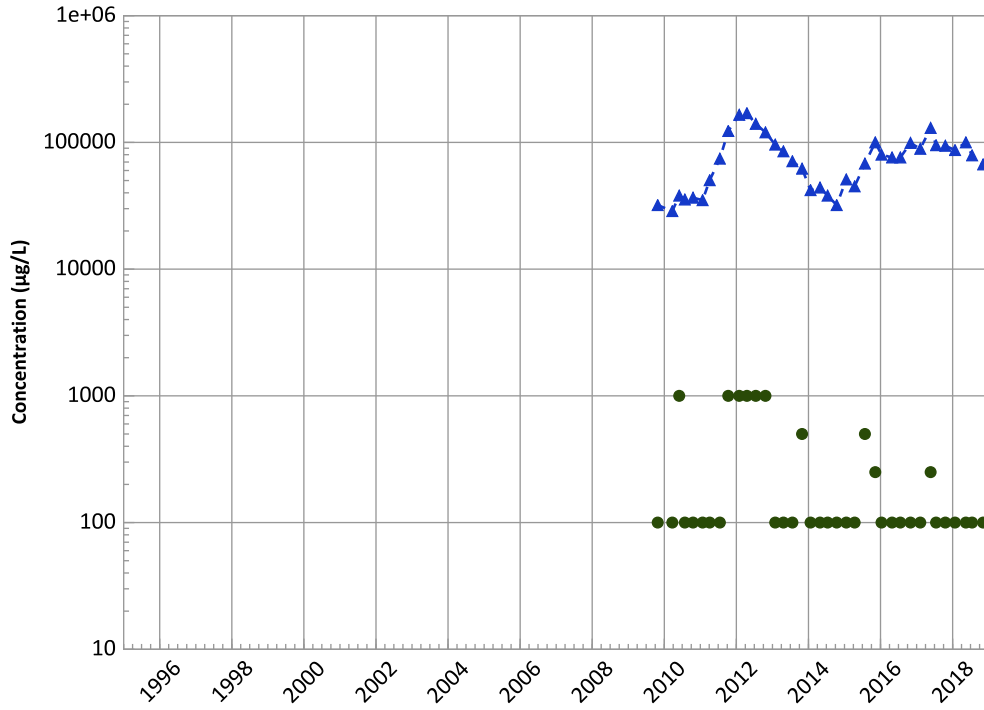
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

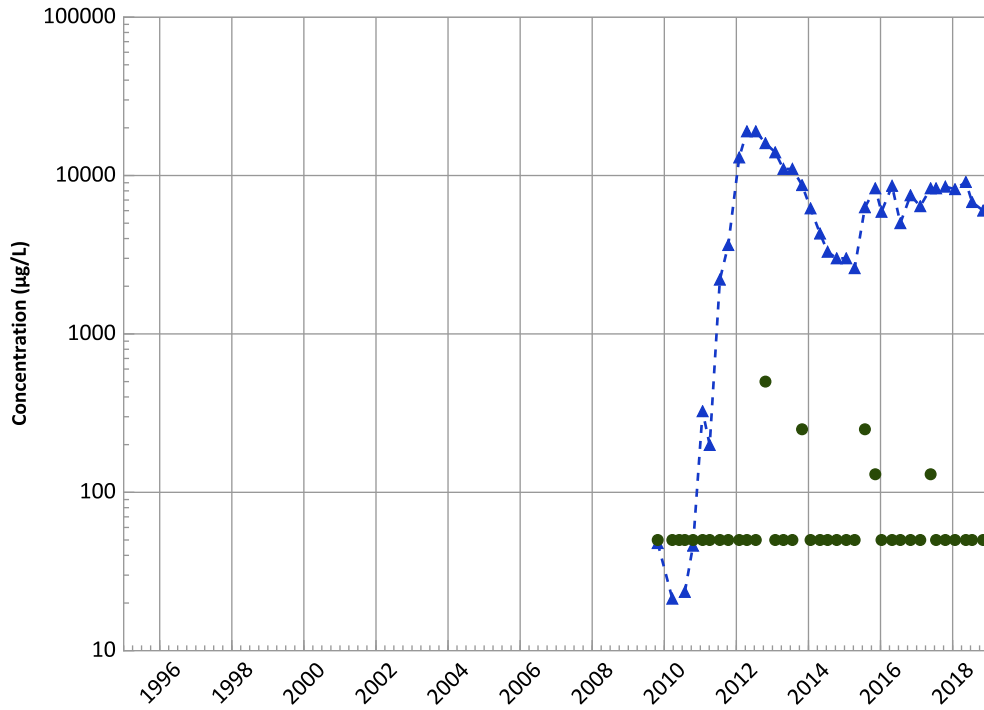
Data (2017 - 2021):

Decreasing

All Data:

Increasing

Iron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

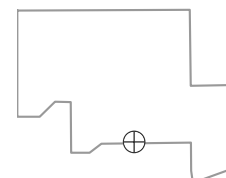
Data (2017 - 2021):

Decreasing

All Data:

Increasing

Well Location

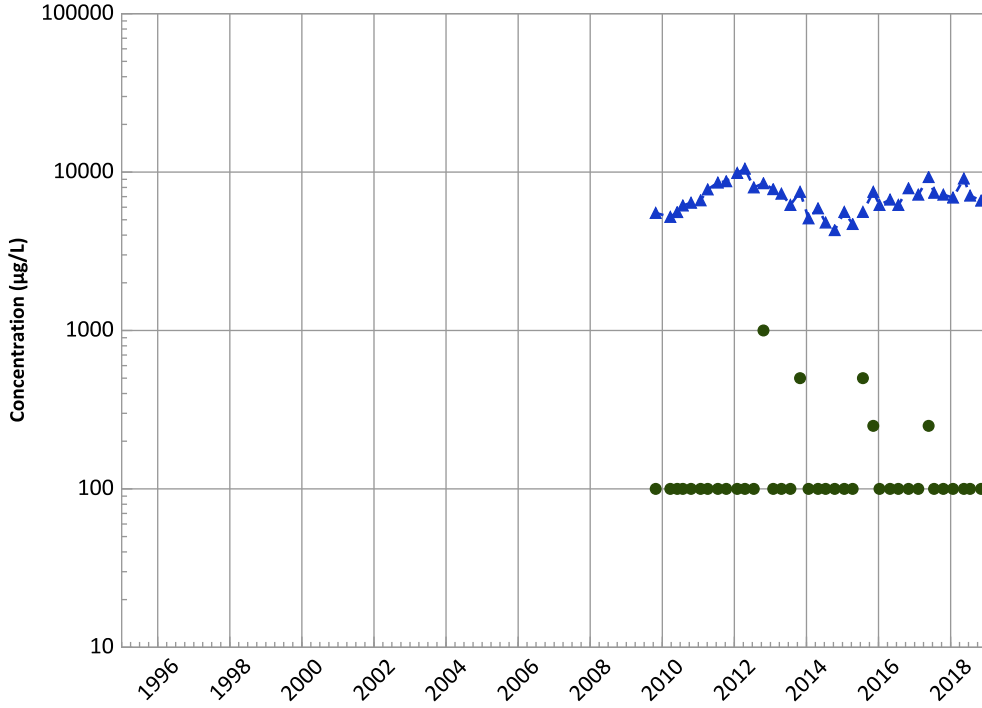


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

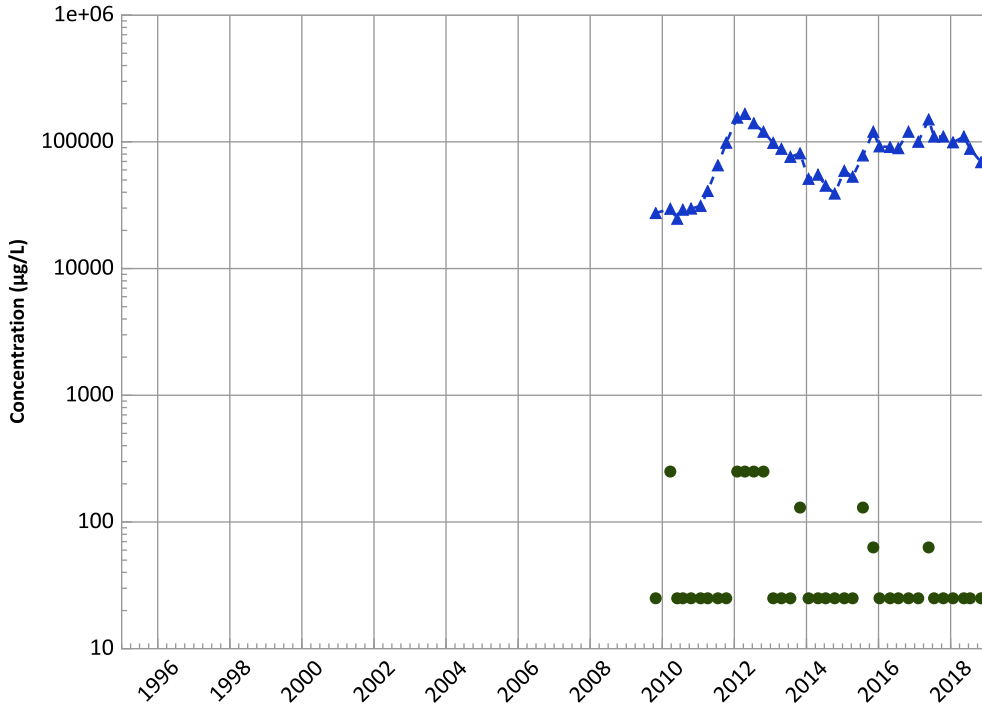
Data (2017 - 2021):

Decreasing

All Data:

No Trend

Magnesium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

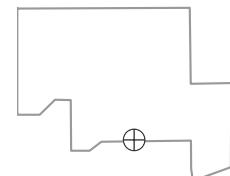
Data (2017 - 2021):

Probably Decreasing

All Data:

Increasing

Well Location

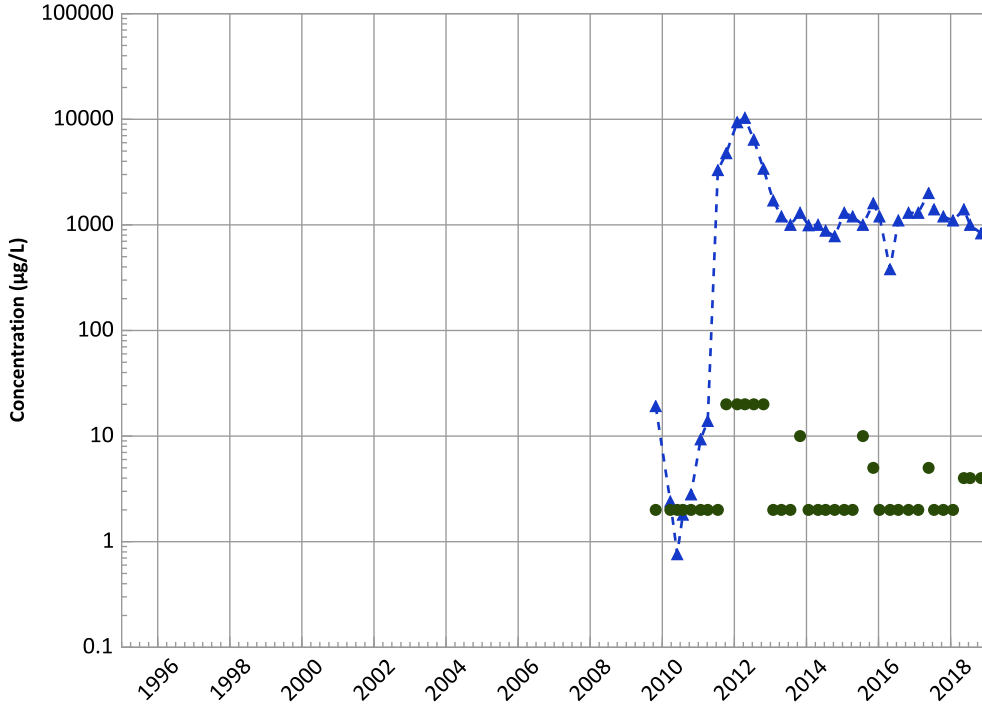


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend

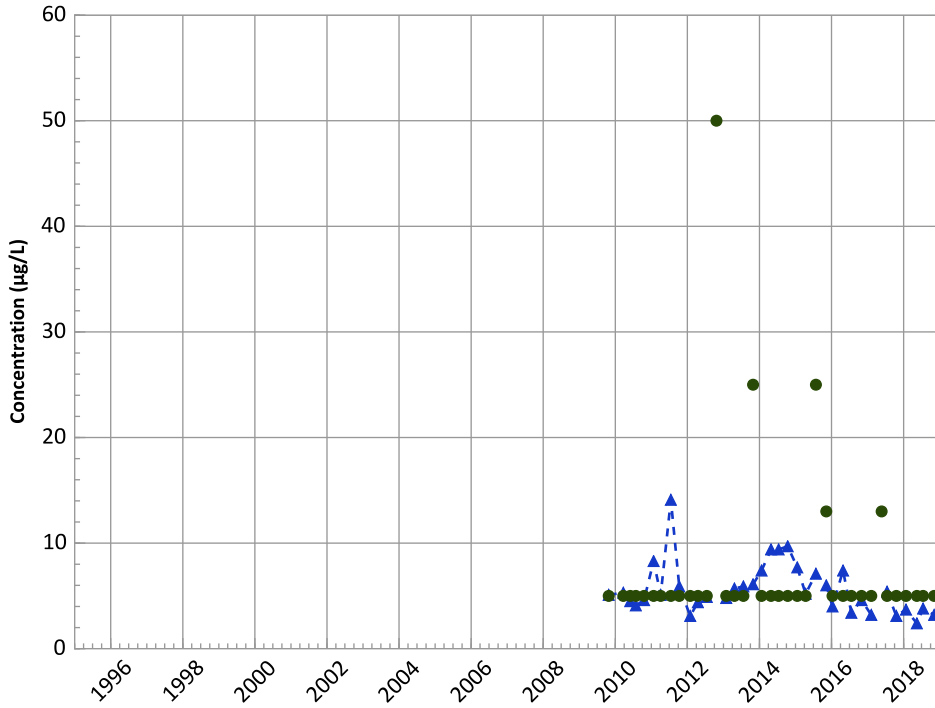


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

Molybdenum Trend

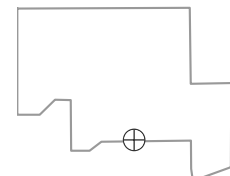


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
Decreasing

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

Well Location

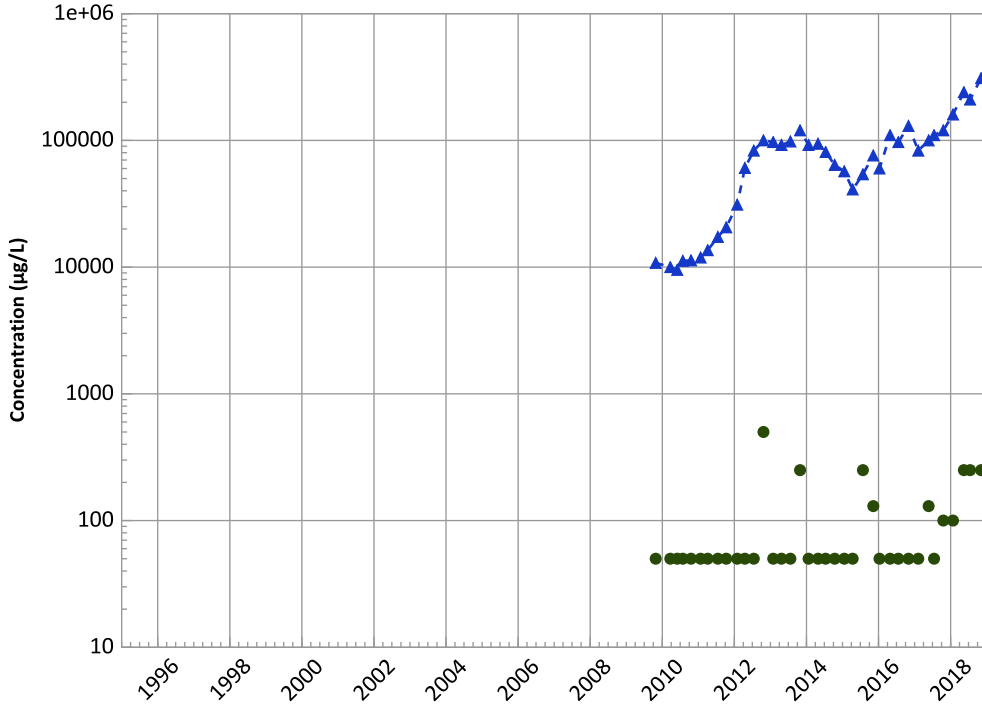


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend

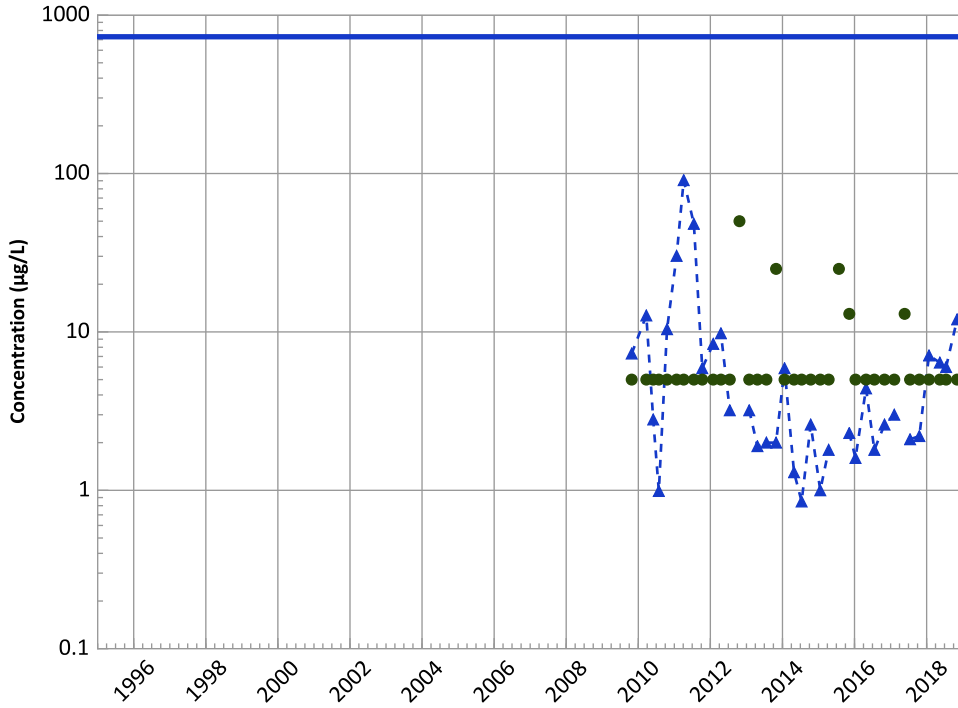


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

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

Nickel Trend

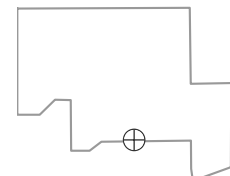


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

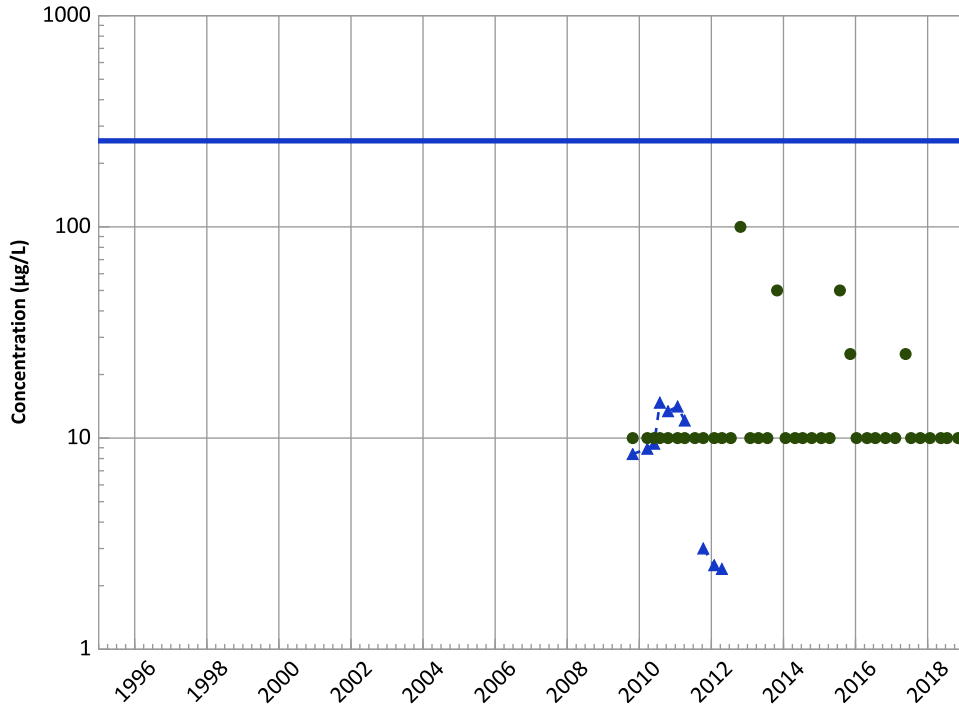
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vanadium Trend**

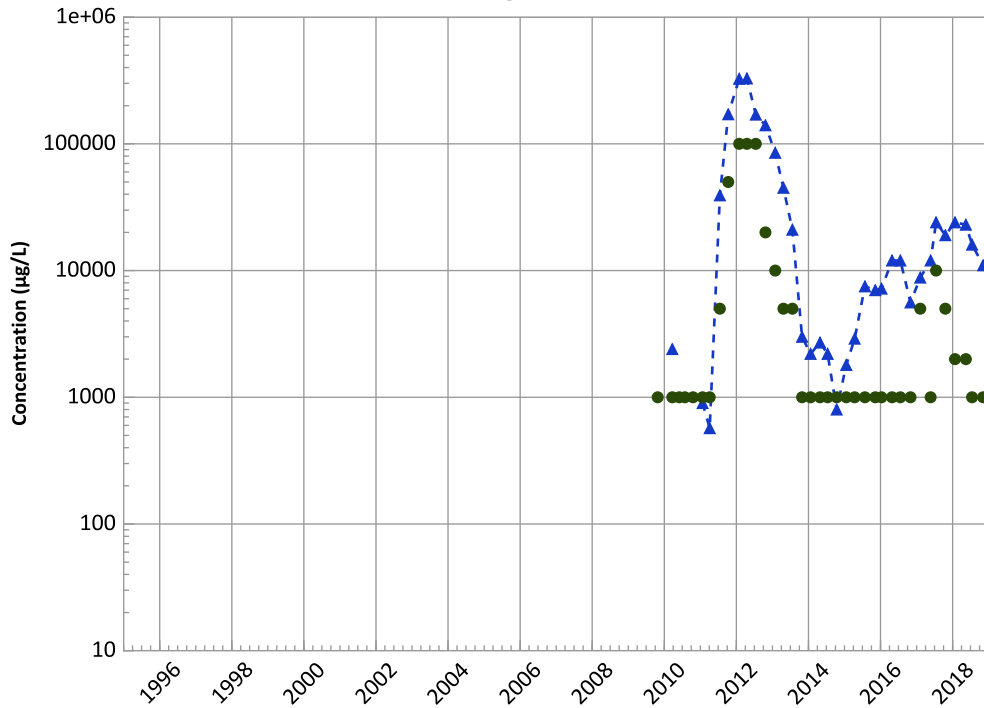


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Total Organic Carbon Trend

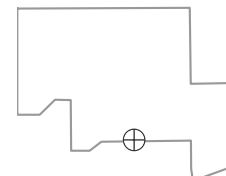


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

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

Well Location

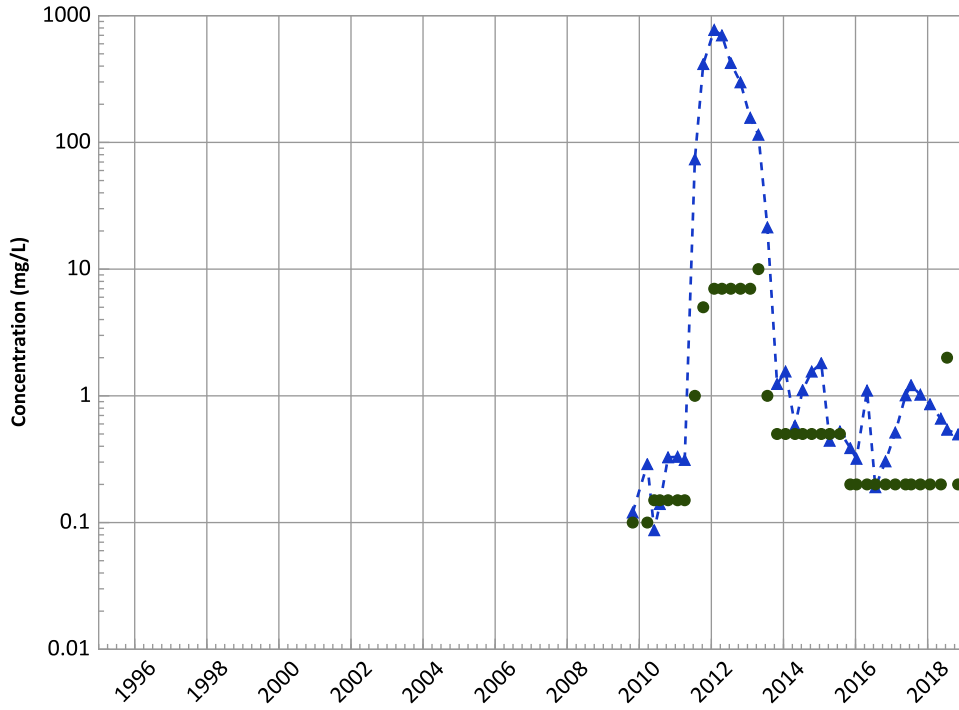


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1156 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

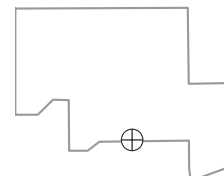
All Data:

Probably Decreasing

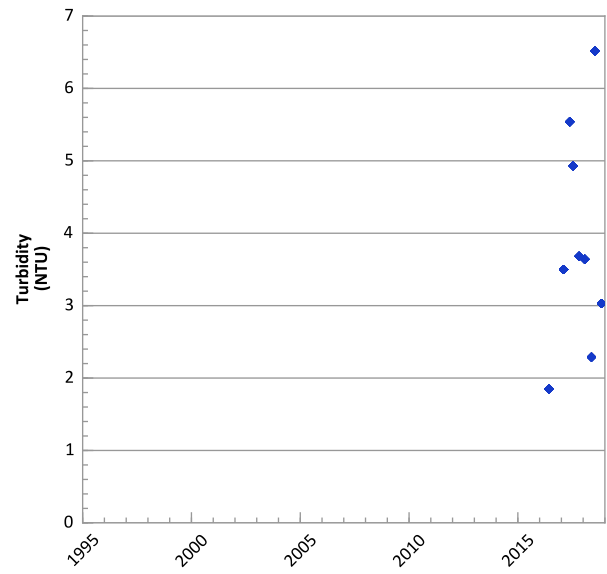
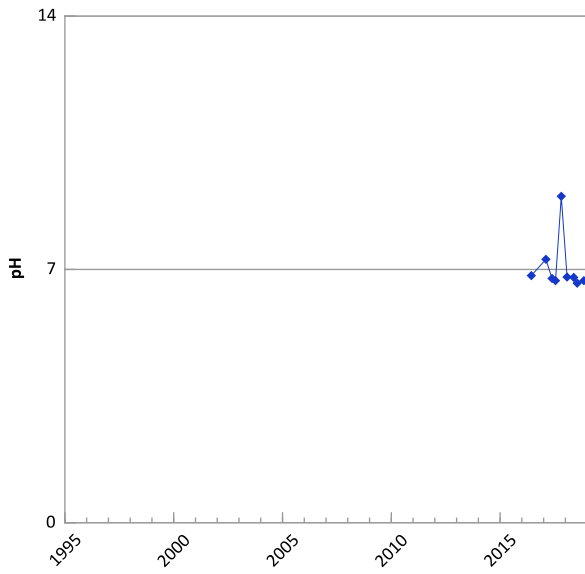
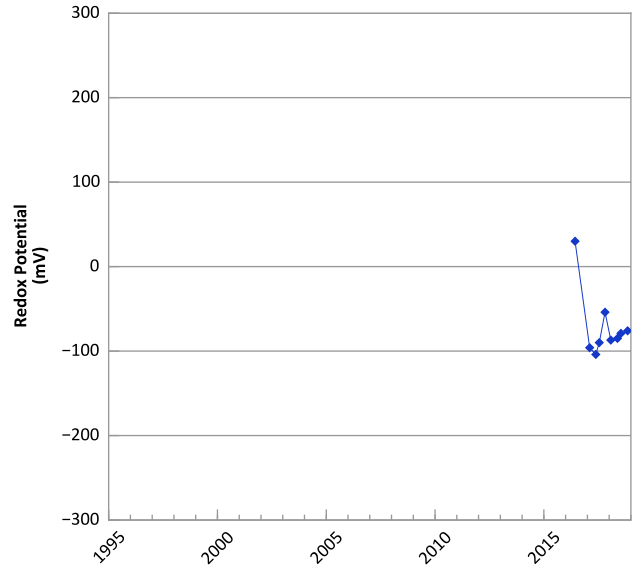
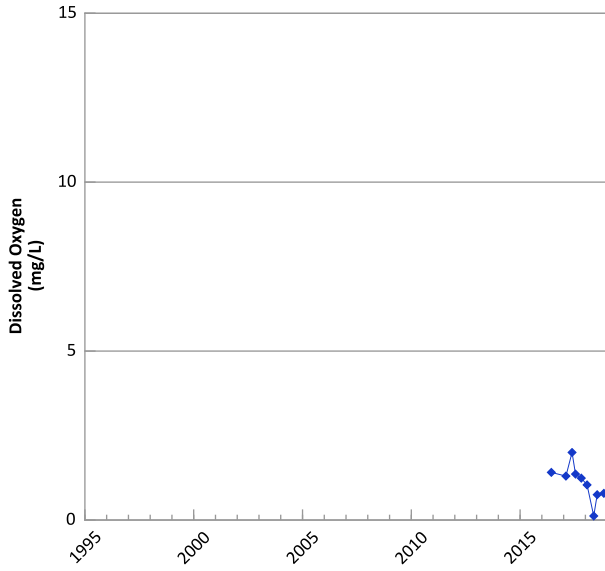
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/26/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

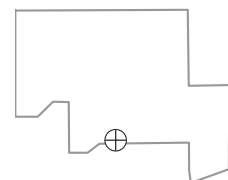


**PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



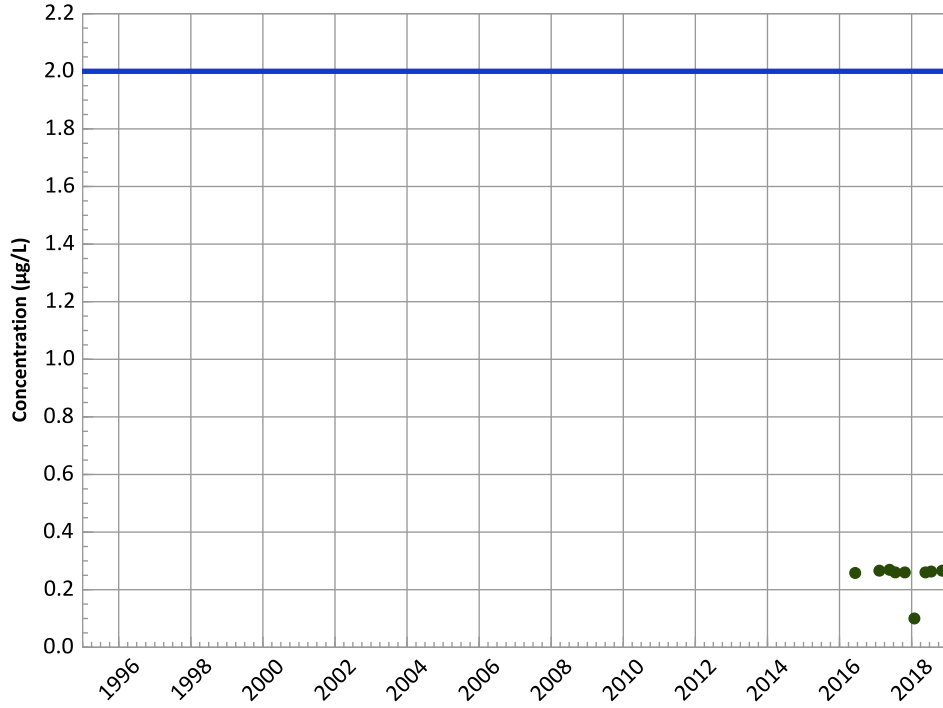
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/08/2016 to 11/07/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

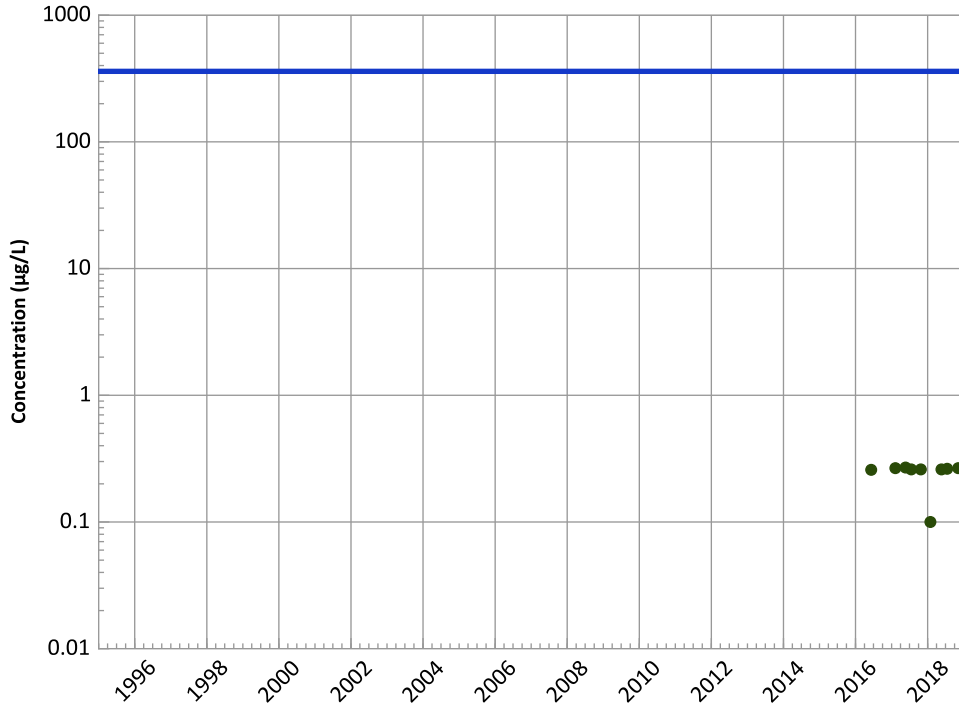
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

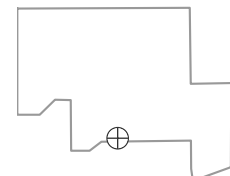
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

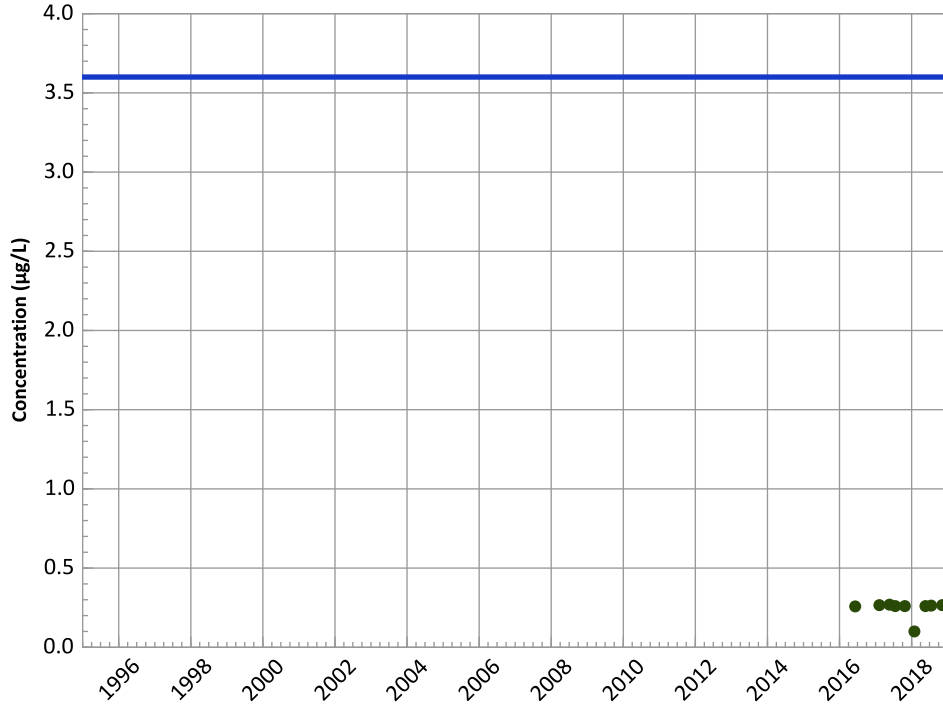


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

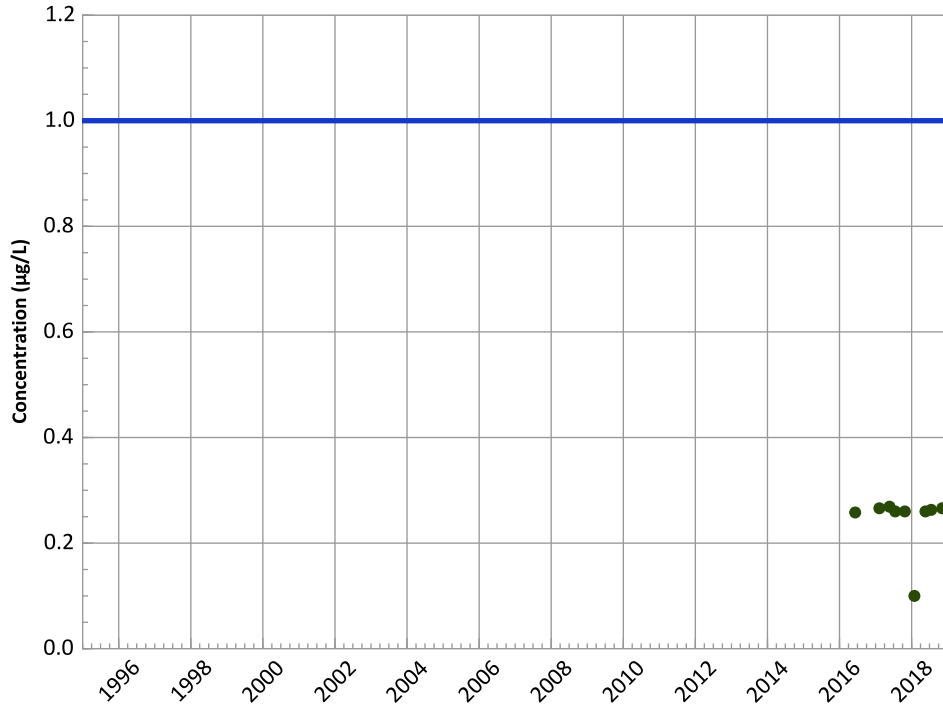


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

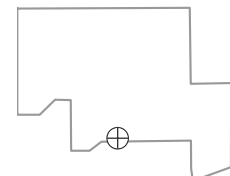


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

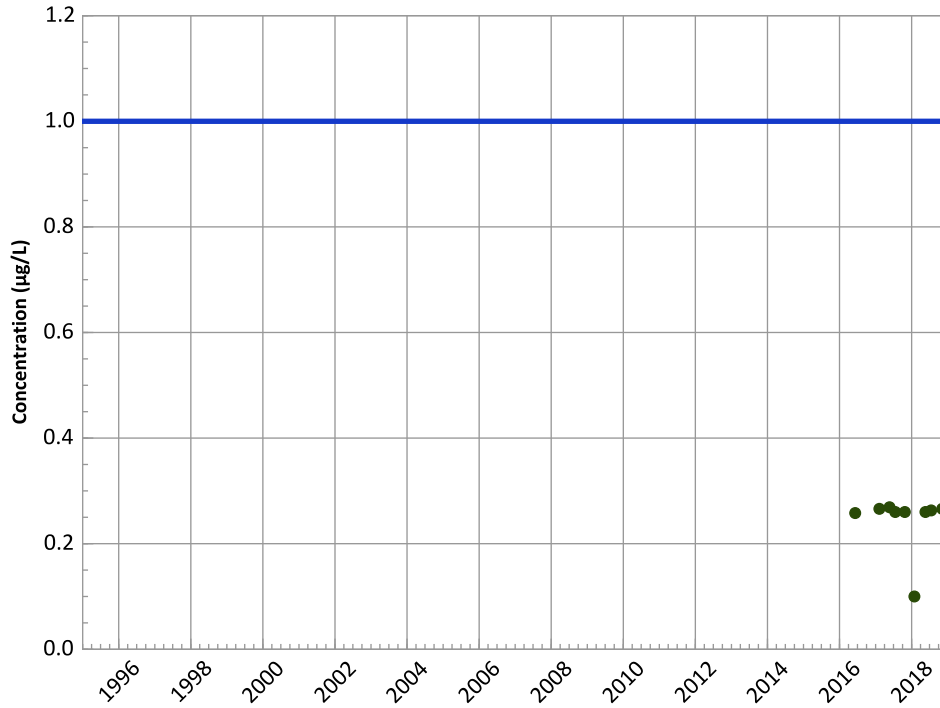


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

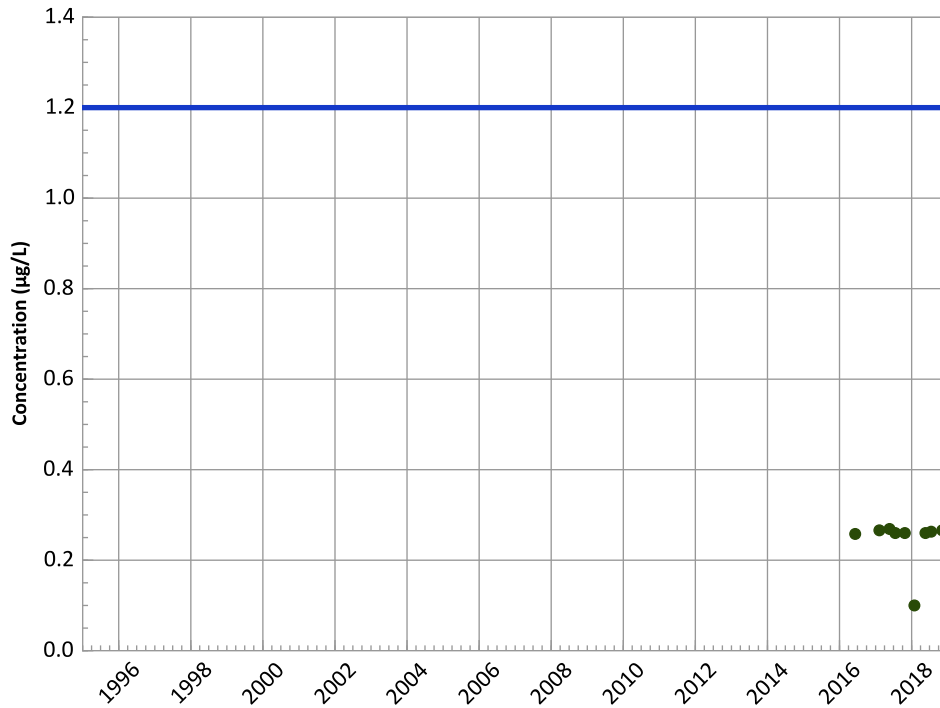


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

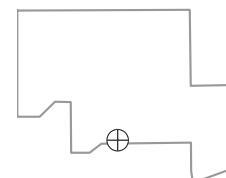


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

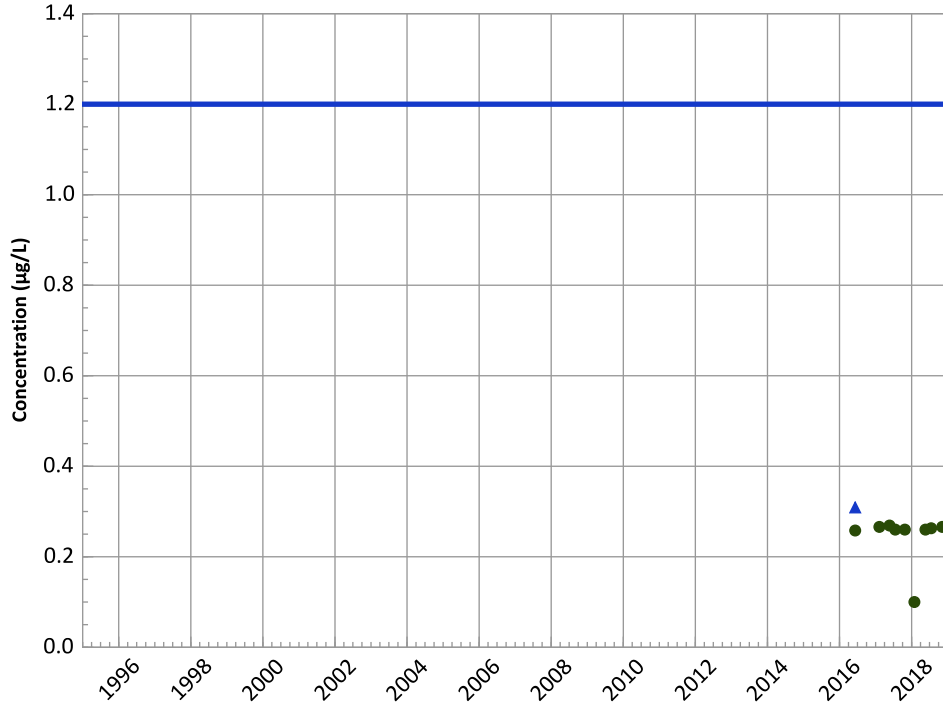


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

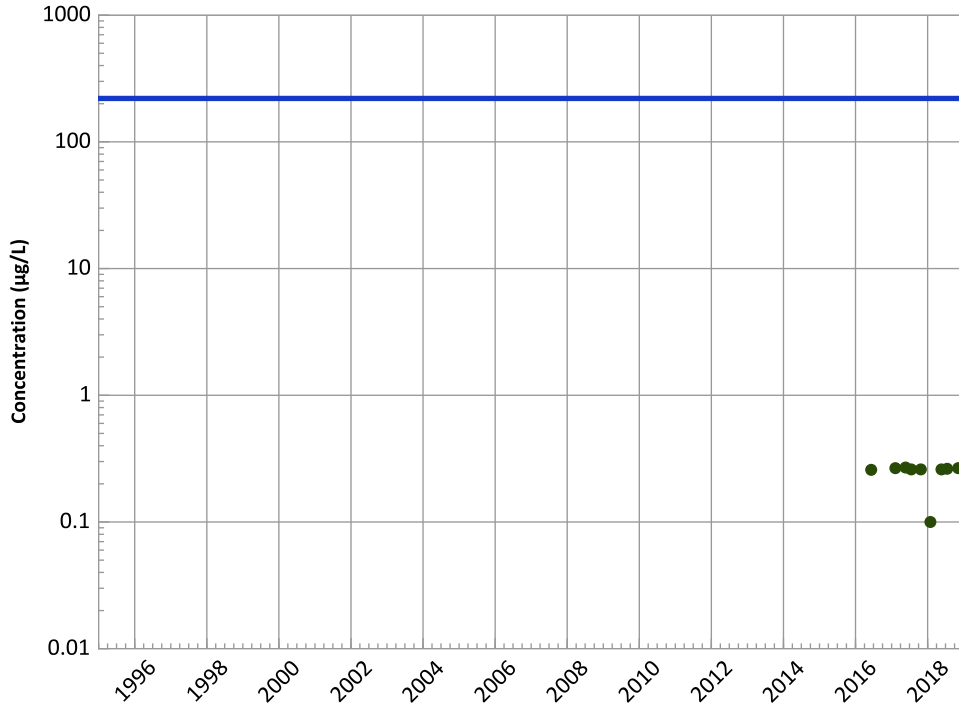


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend

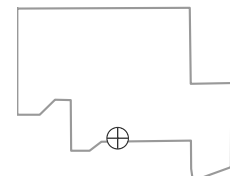


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

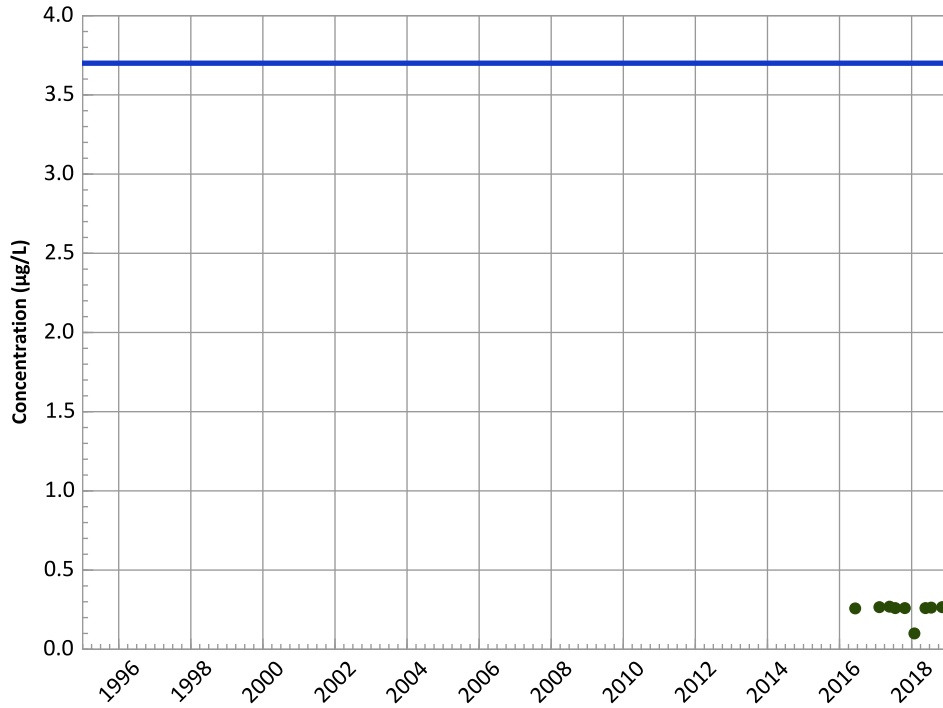
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**

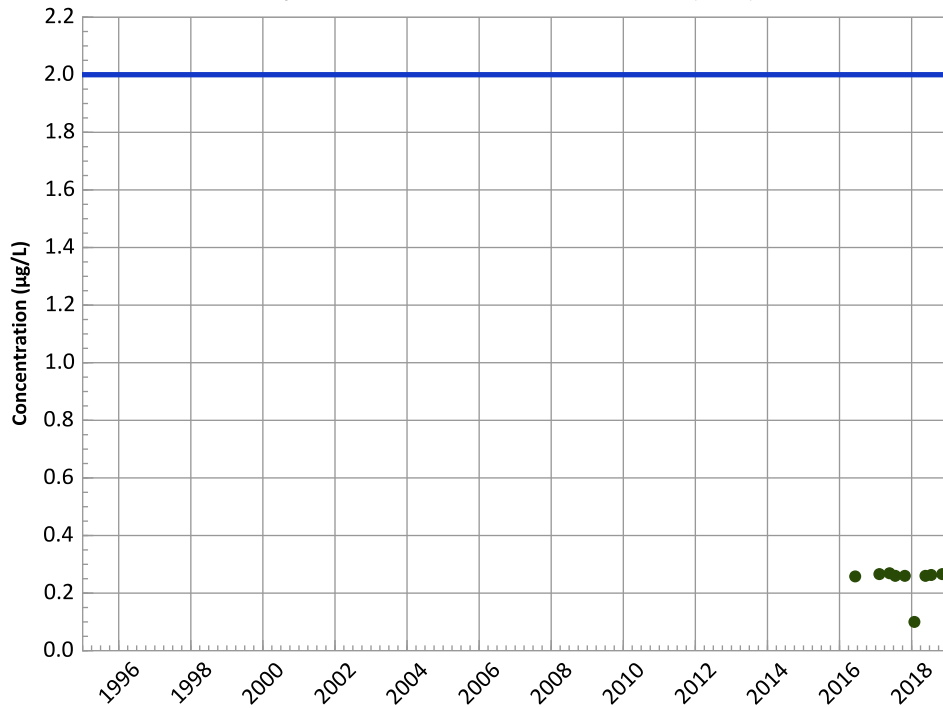


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

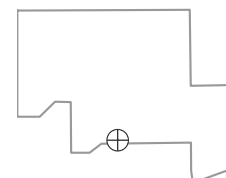
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

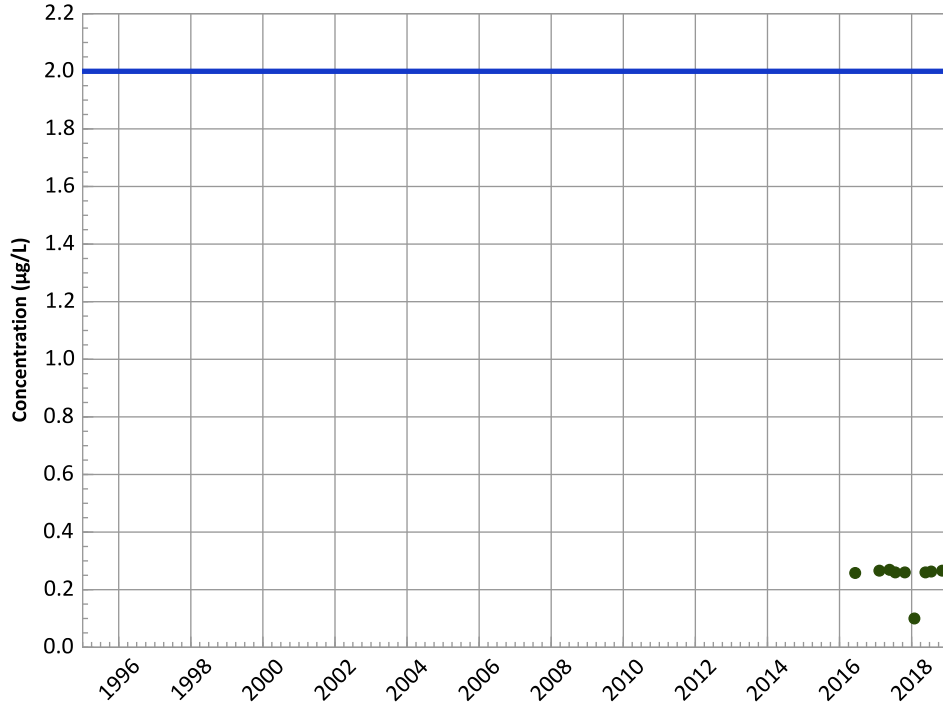
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

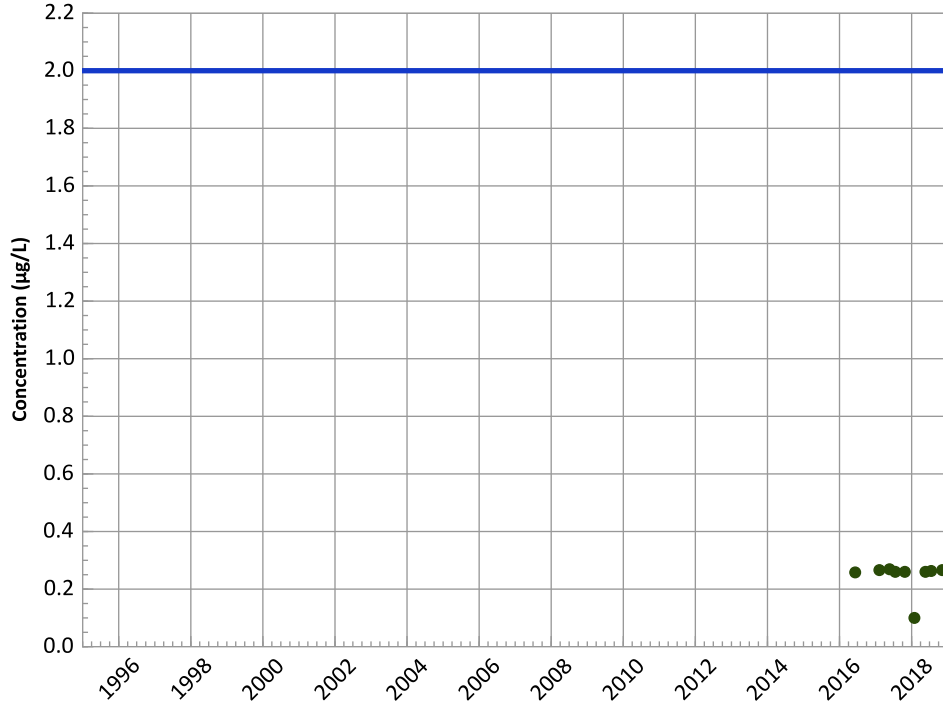
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

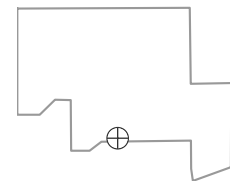
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

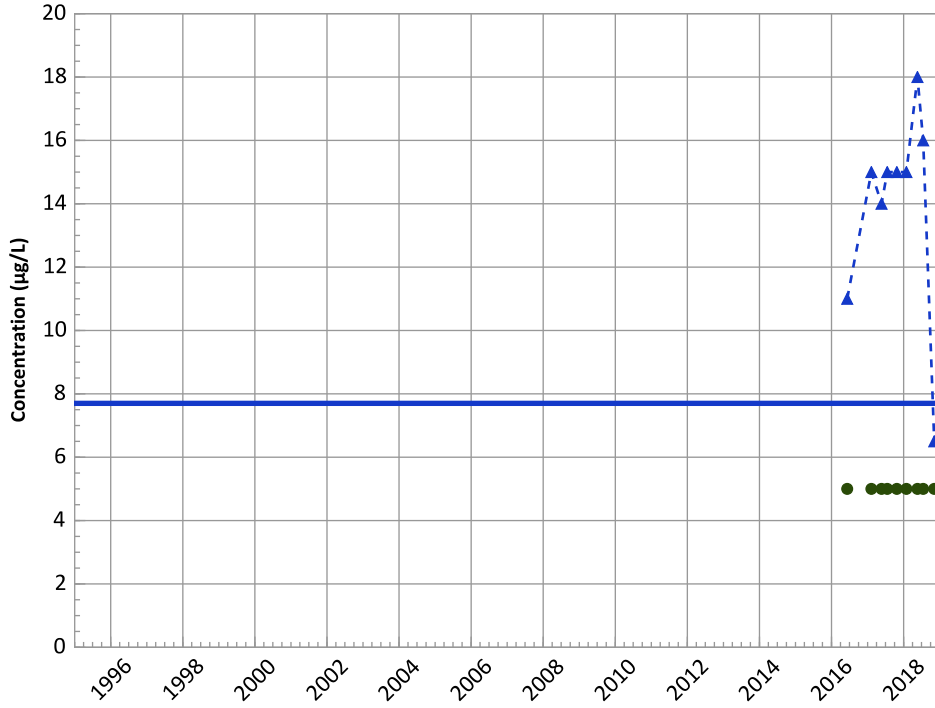


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

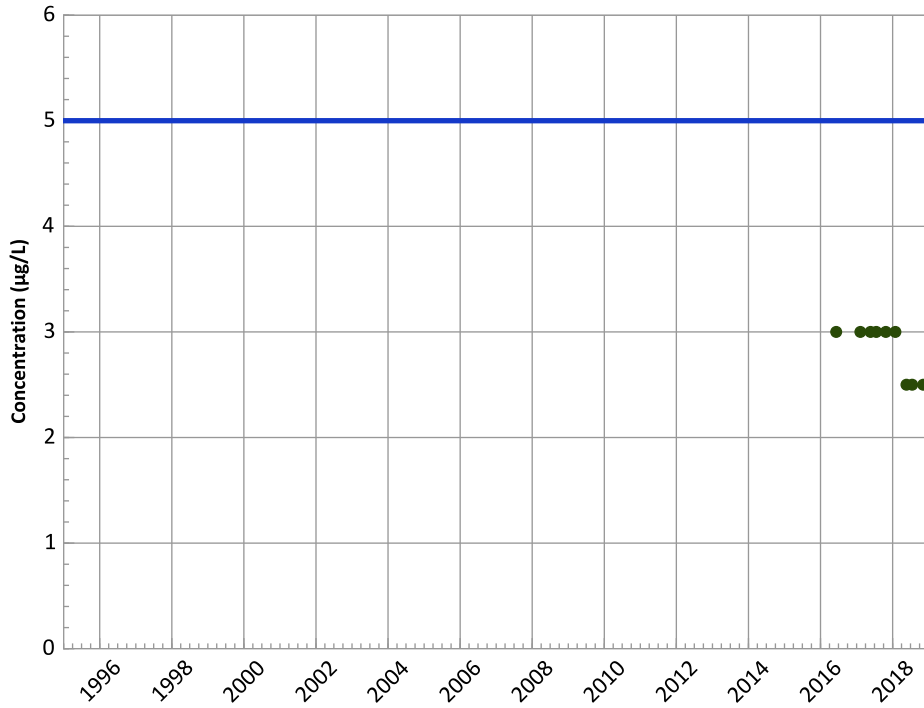


Concentration Trend

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 Detections in Dataset)
All Data:
Stable

Tetrachloroethylene (PCE) Trend

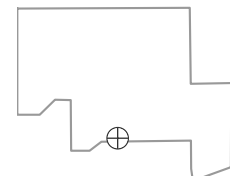


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

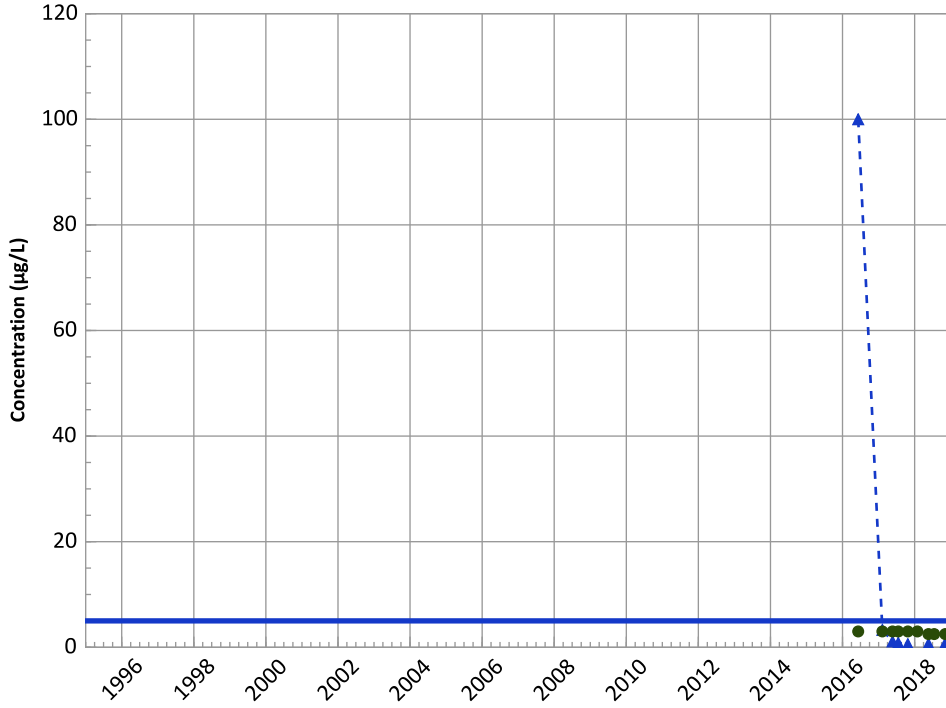


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

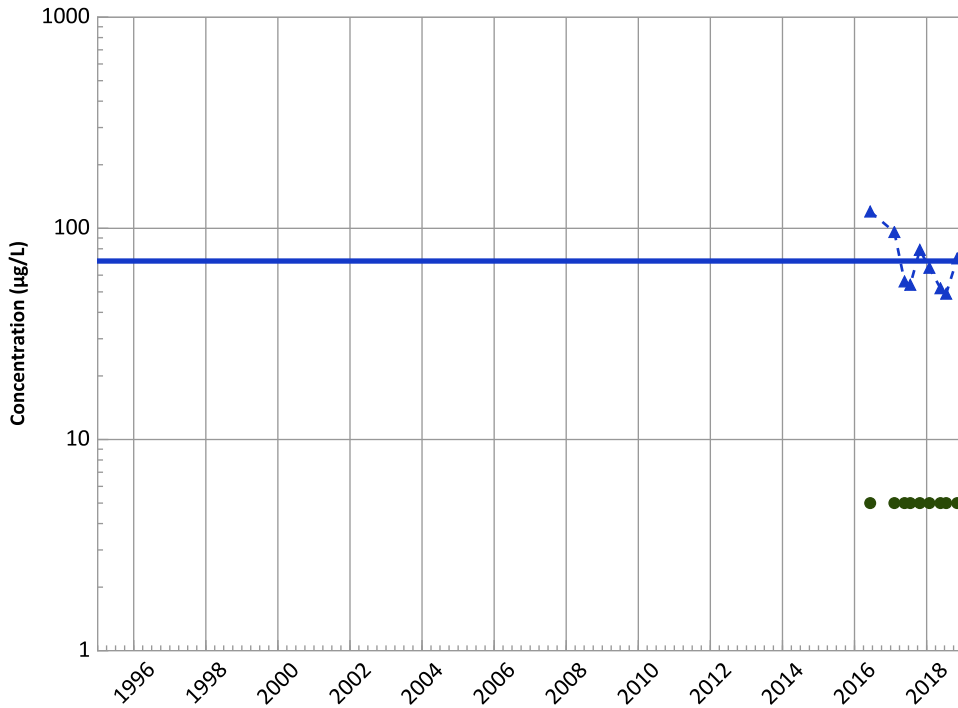


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

cis-1,2-Dichloroethene Trend

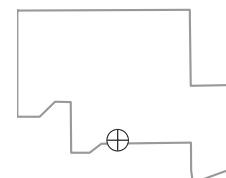


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

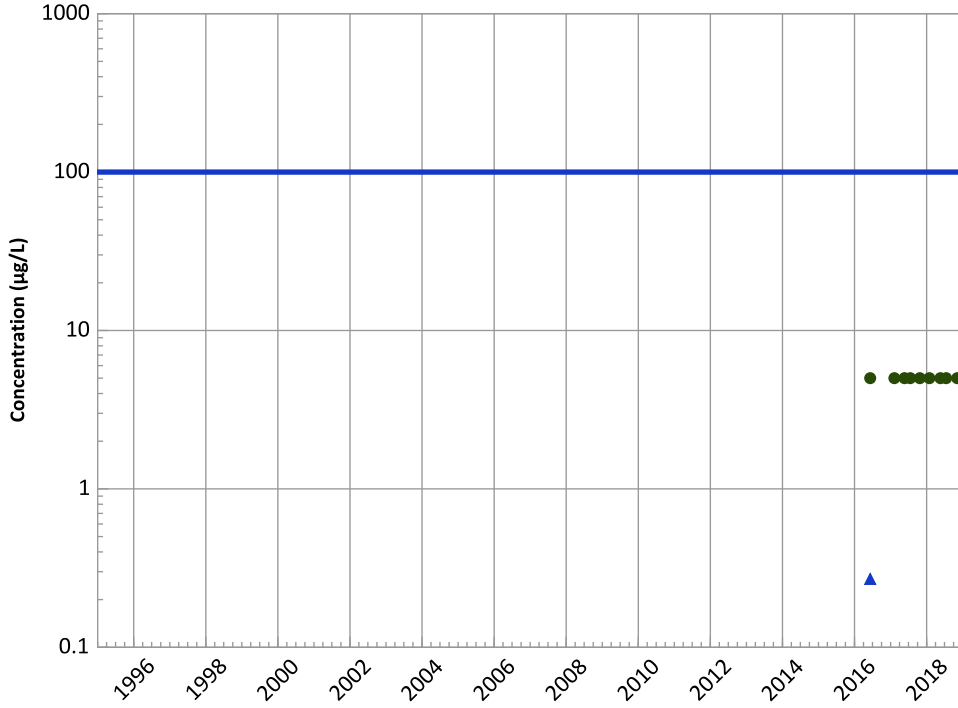


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend

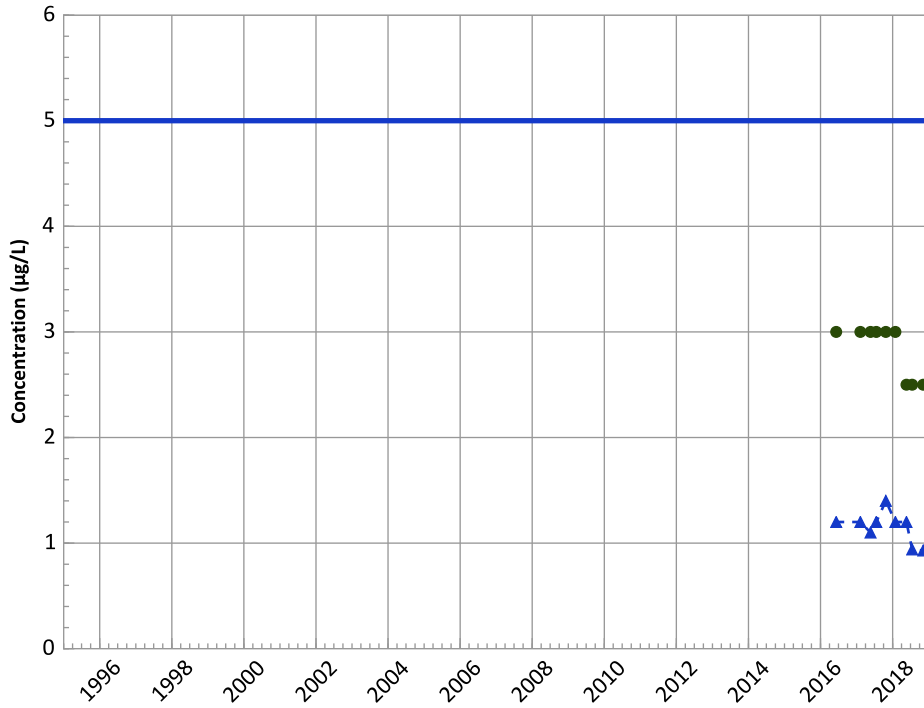


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,2-Dichloroethane Trend

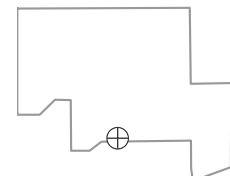


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

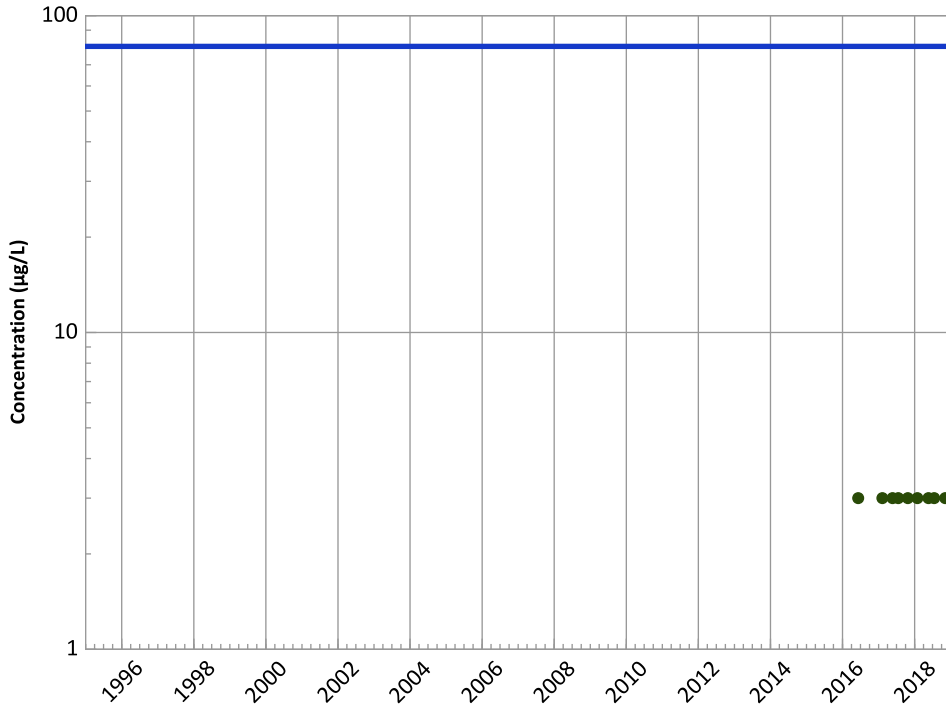
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

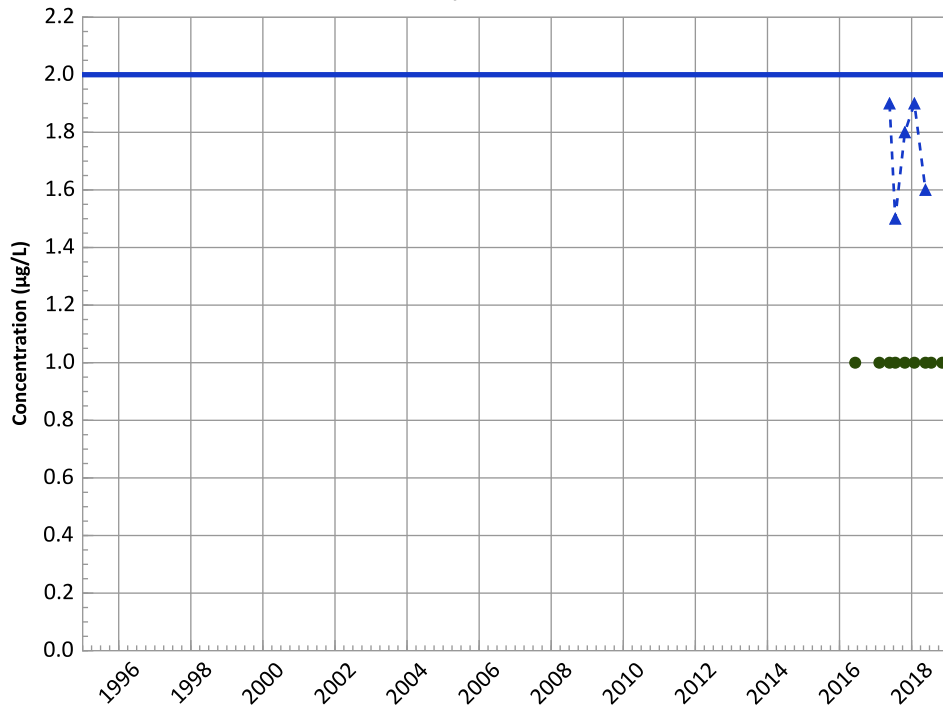


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Vinyl Chloride Trend

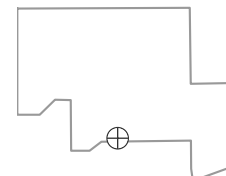


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Stable

Well Location

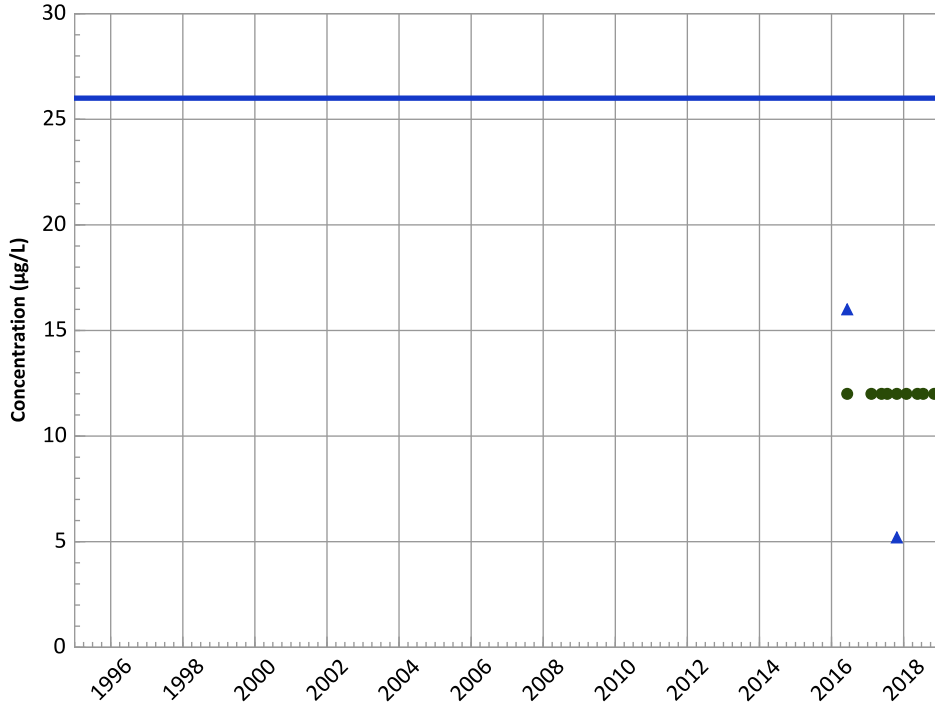


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend

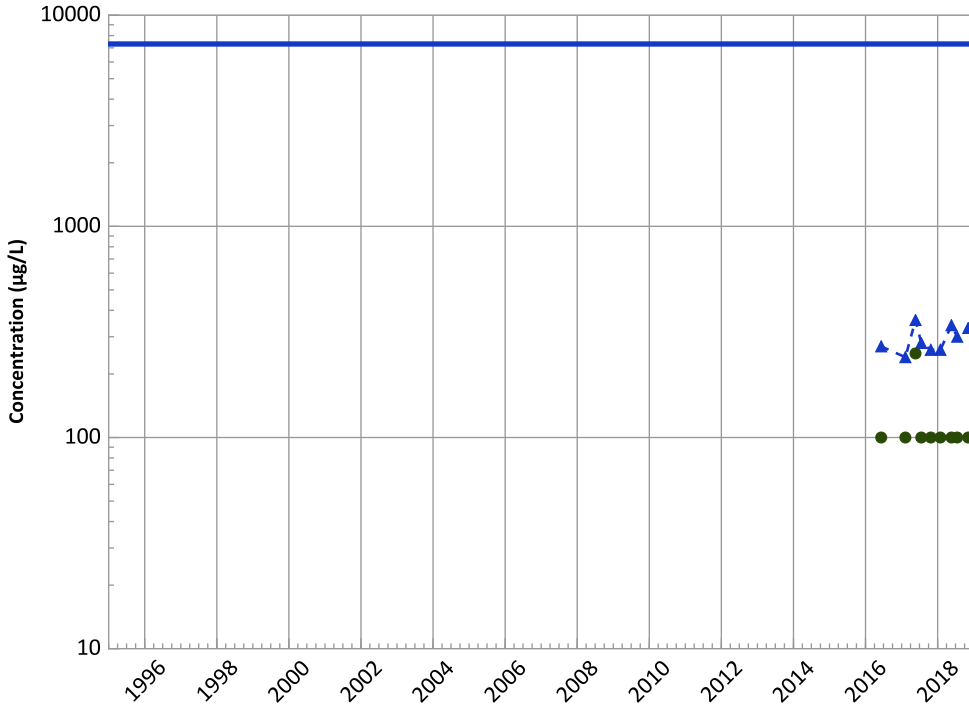


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Boron Trend

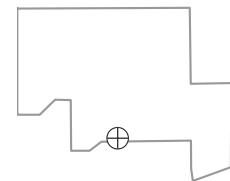


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

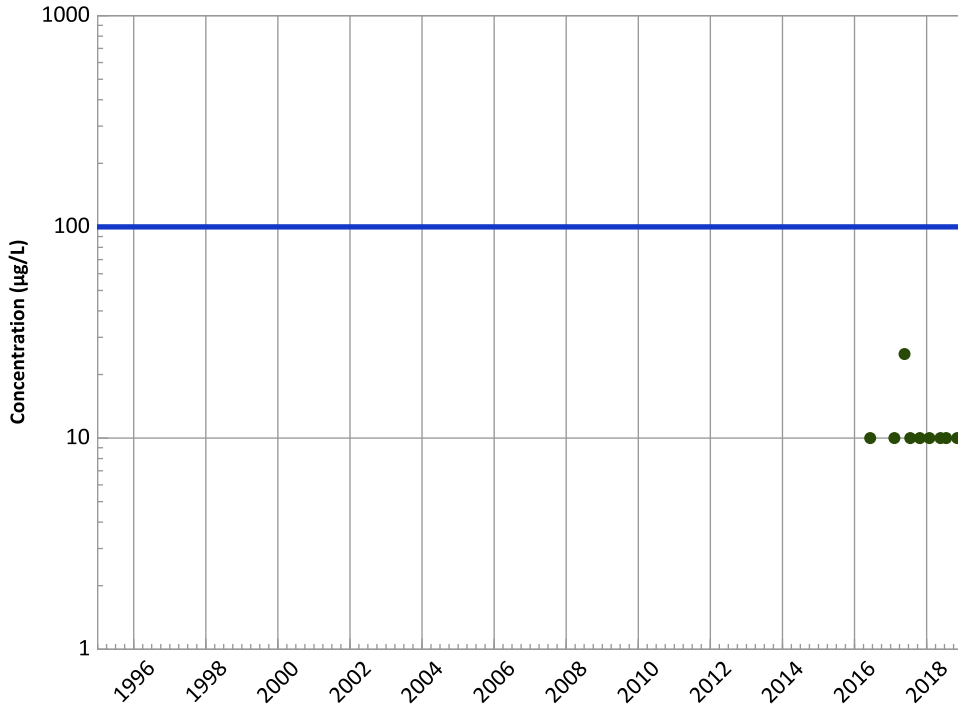
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**

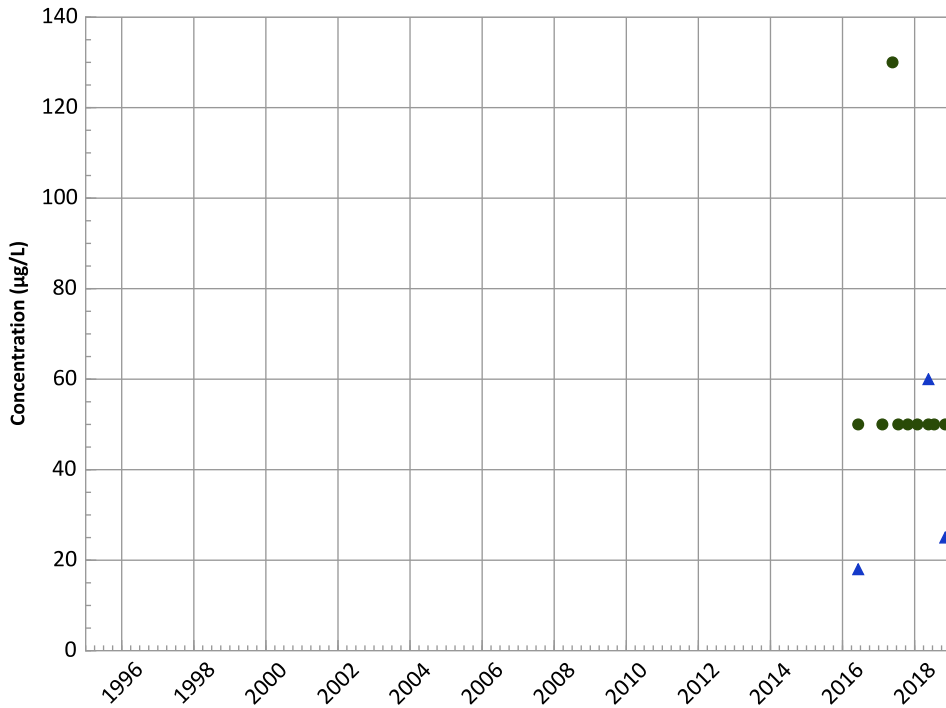


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Aluminum Trend

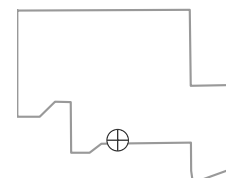


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

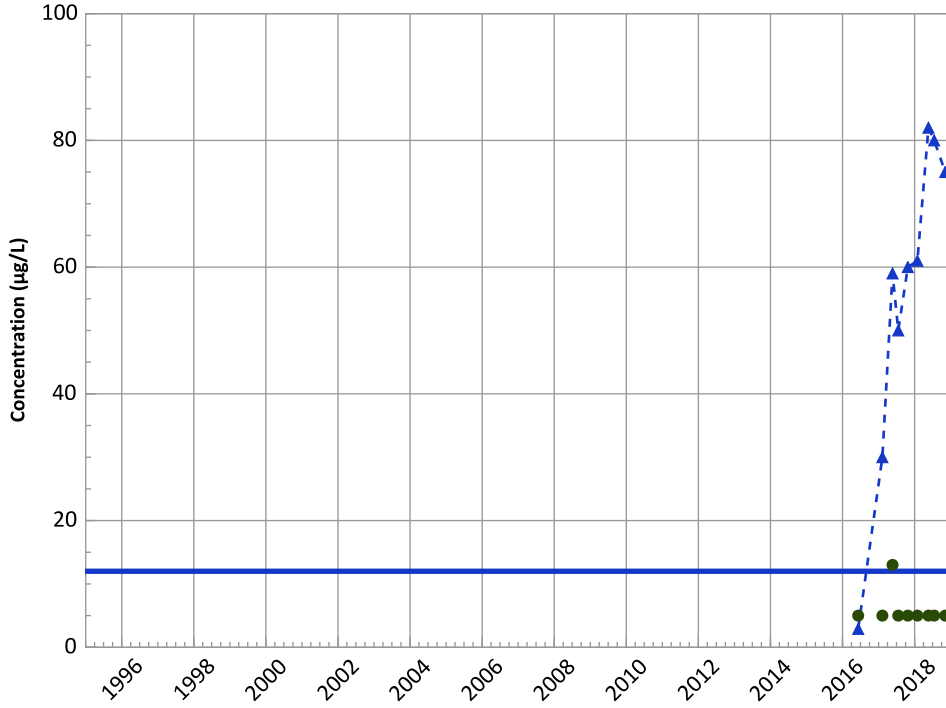


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend

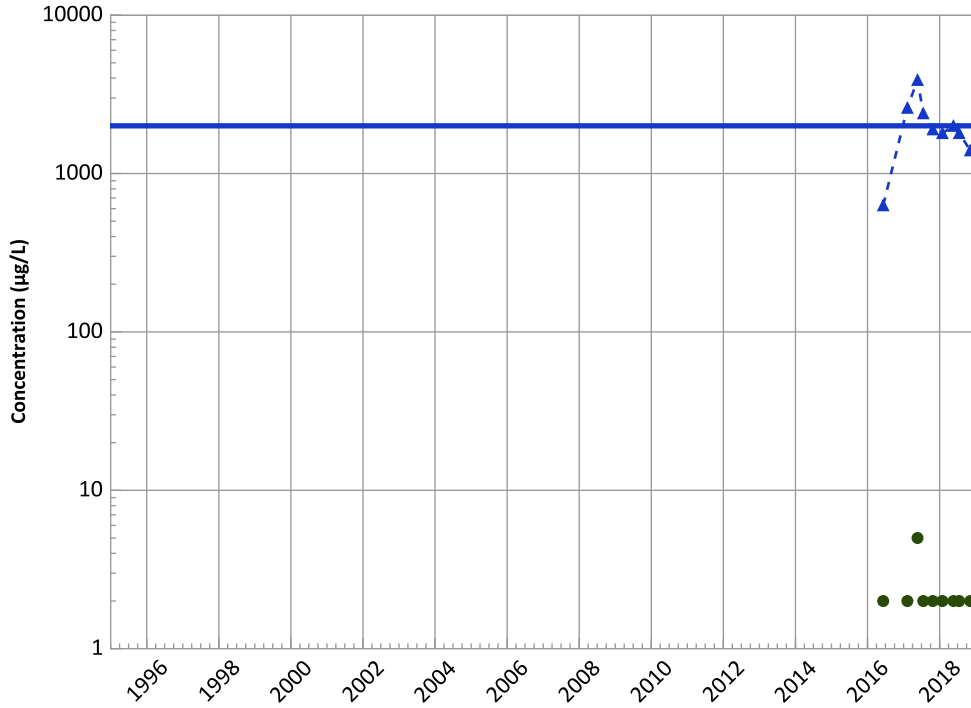


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Barium Trend

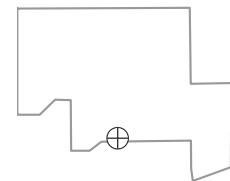


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Well Location

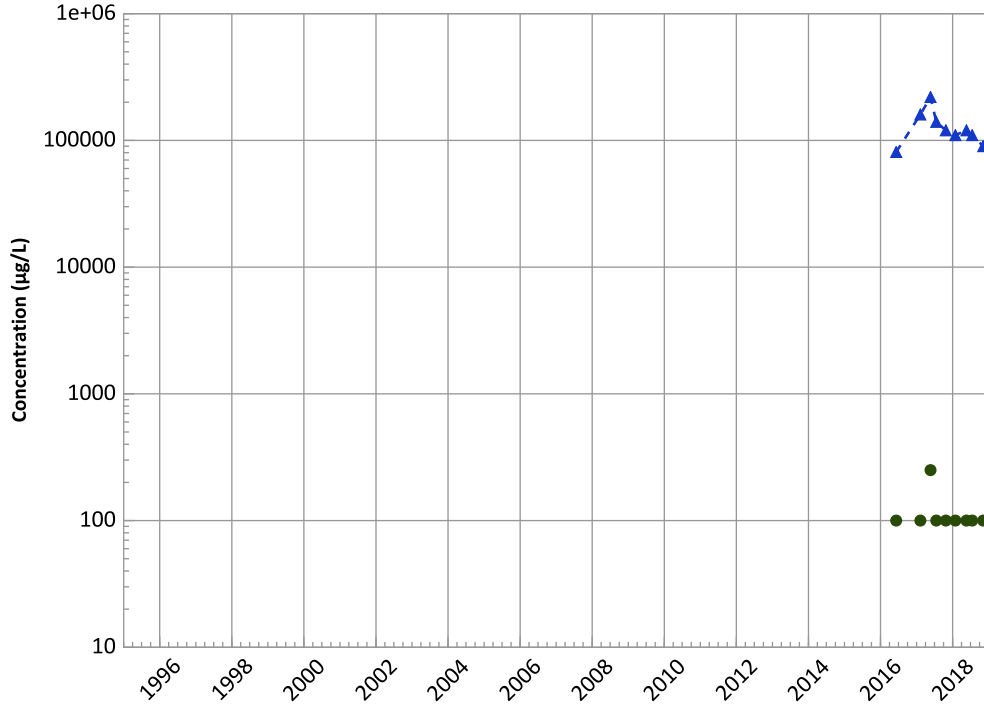


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend

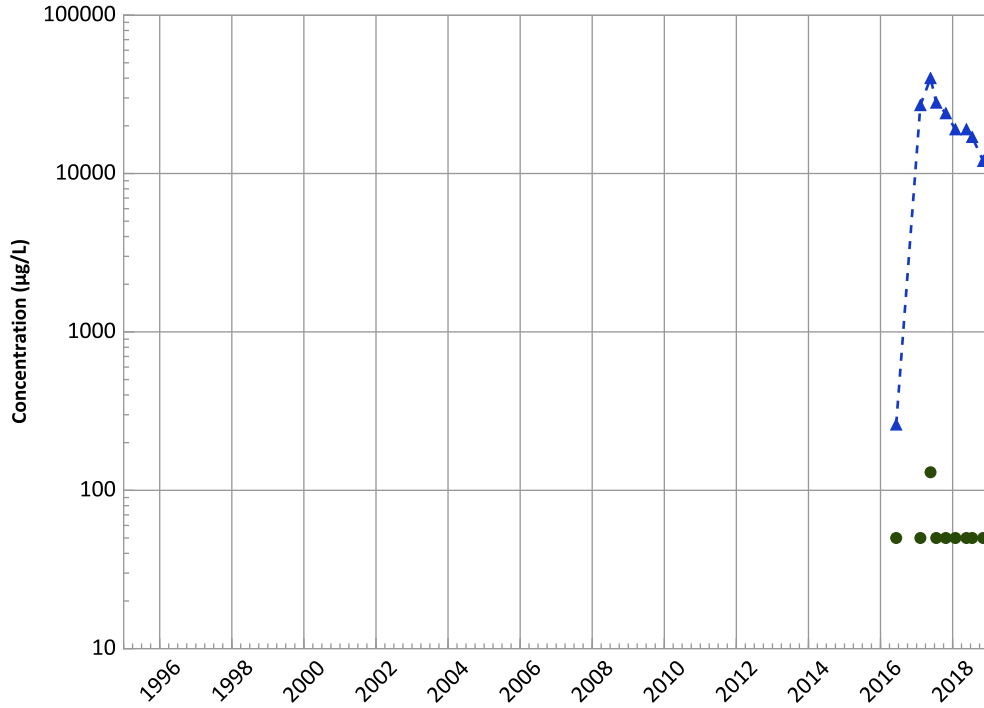


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Iron Trend

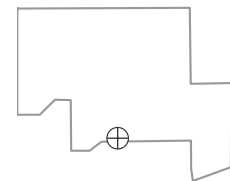


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Increasing

Well Location

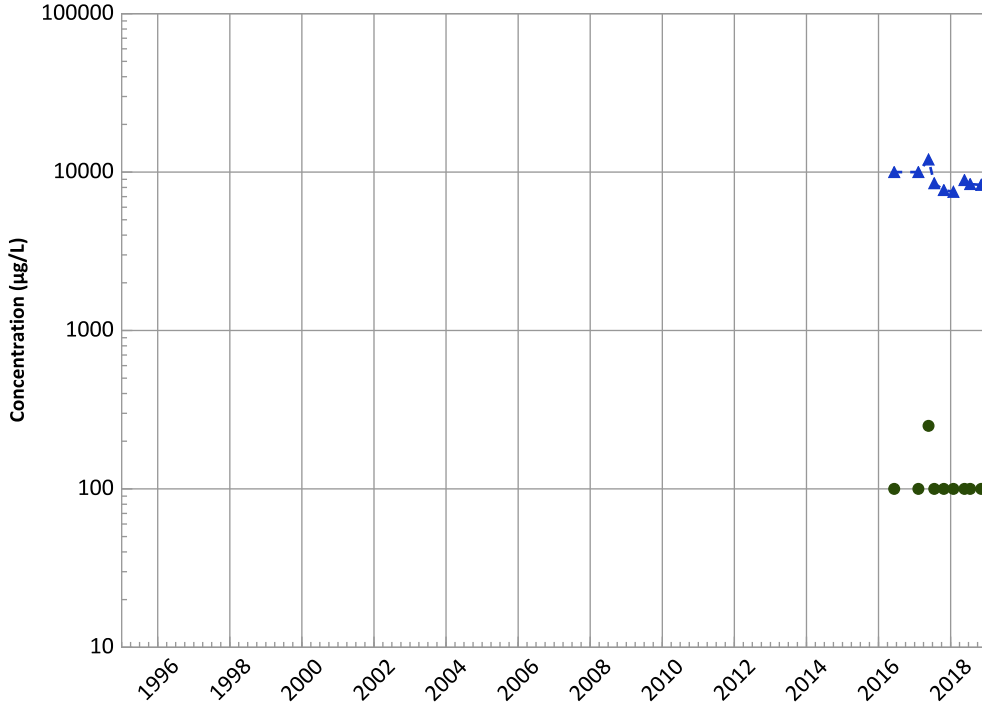


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend

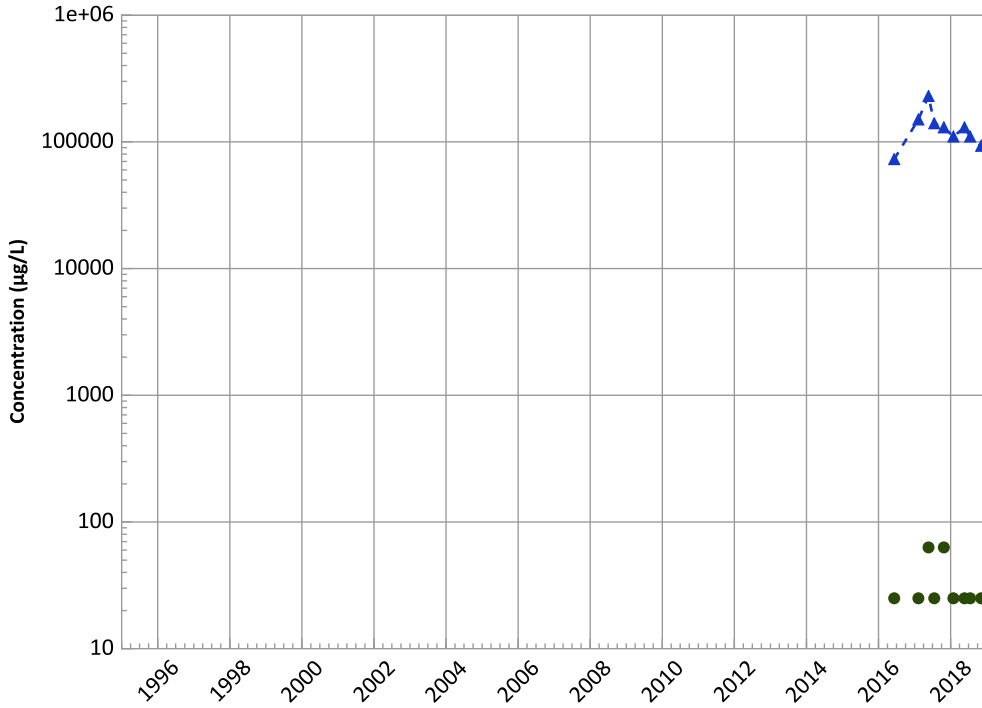


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Magnesium Trend

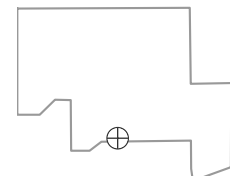


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Well Location

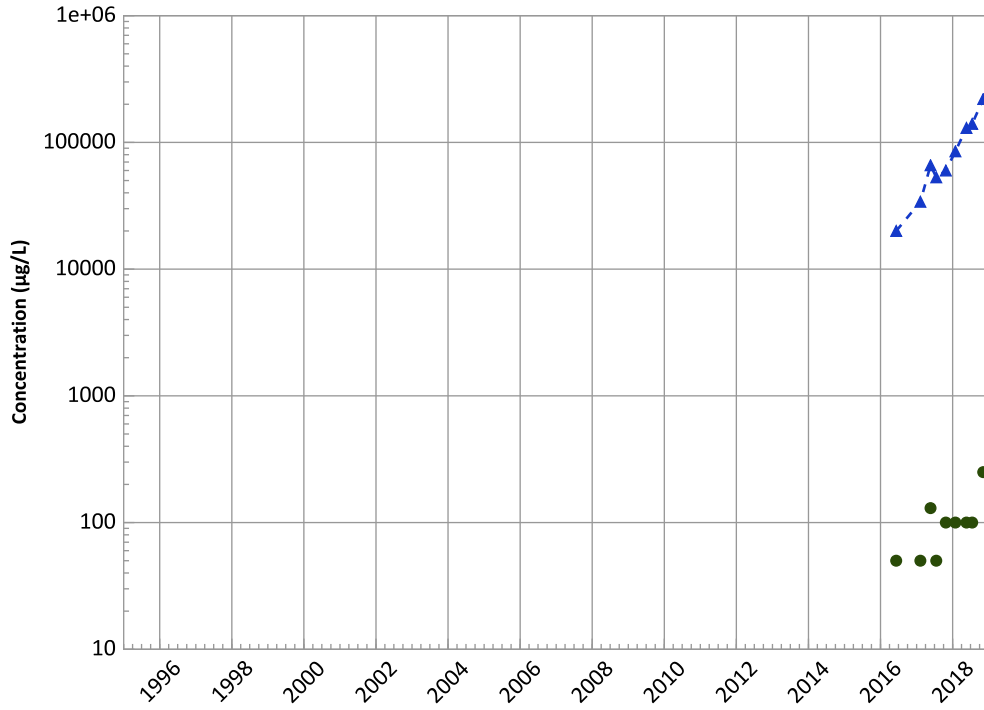


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend

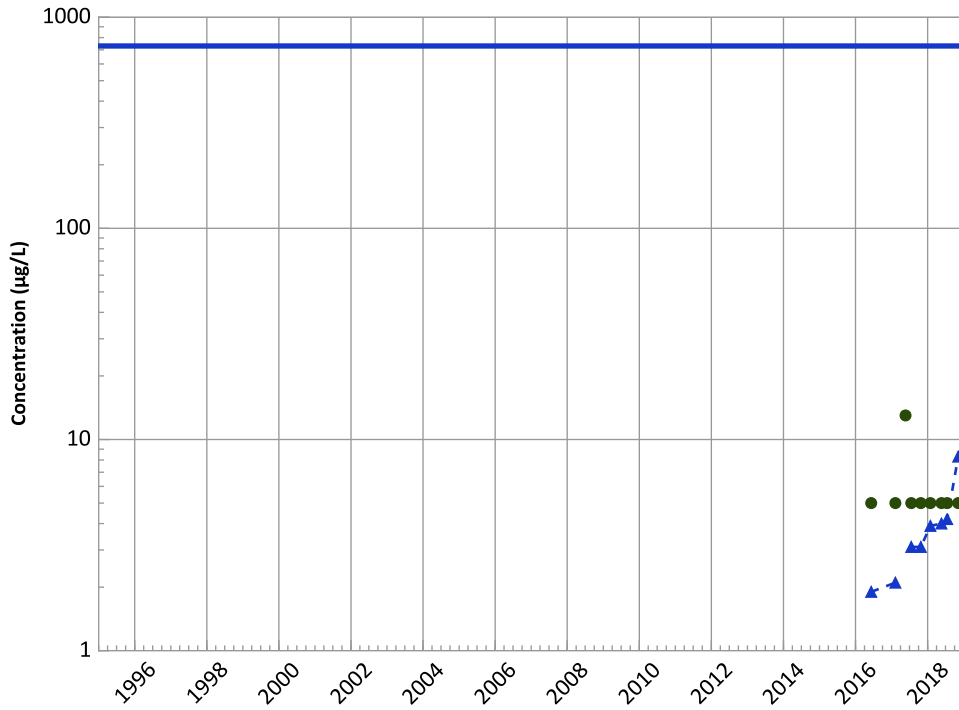


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Nickel Trend

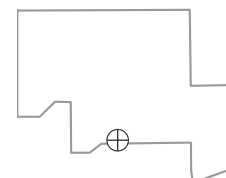


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

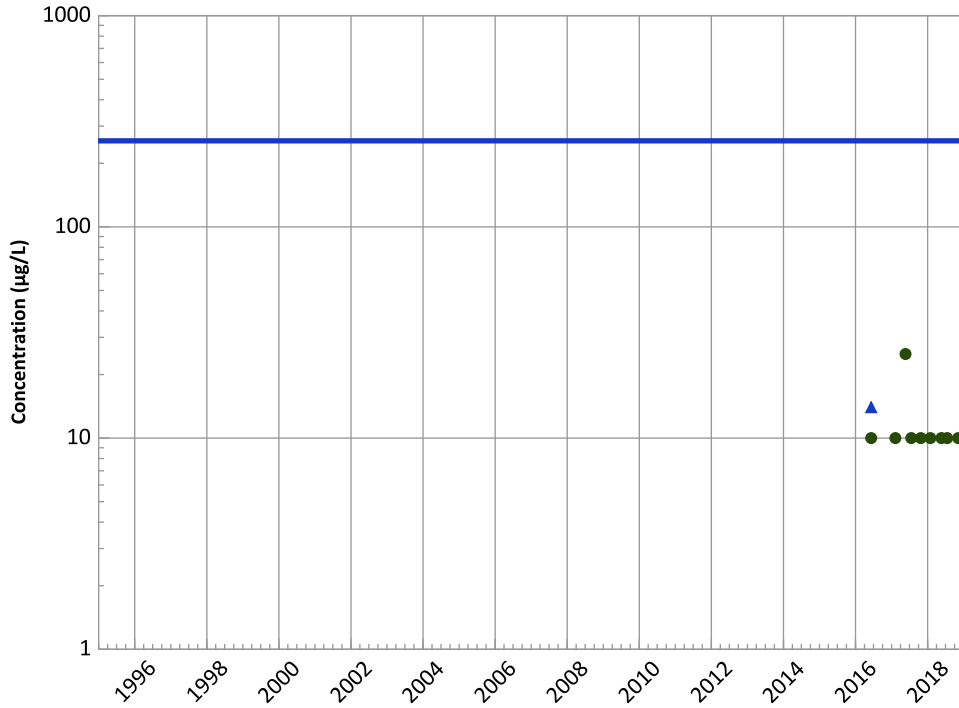
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

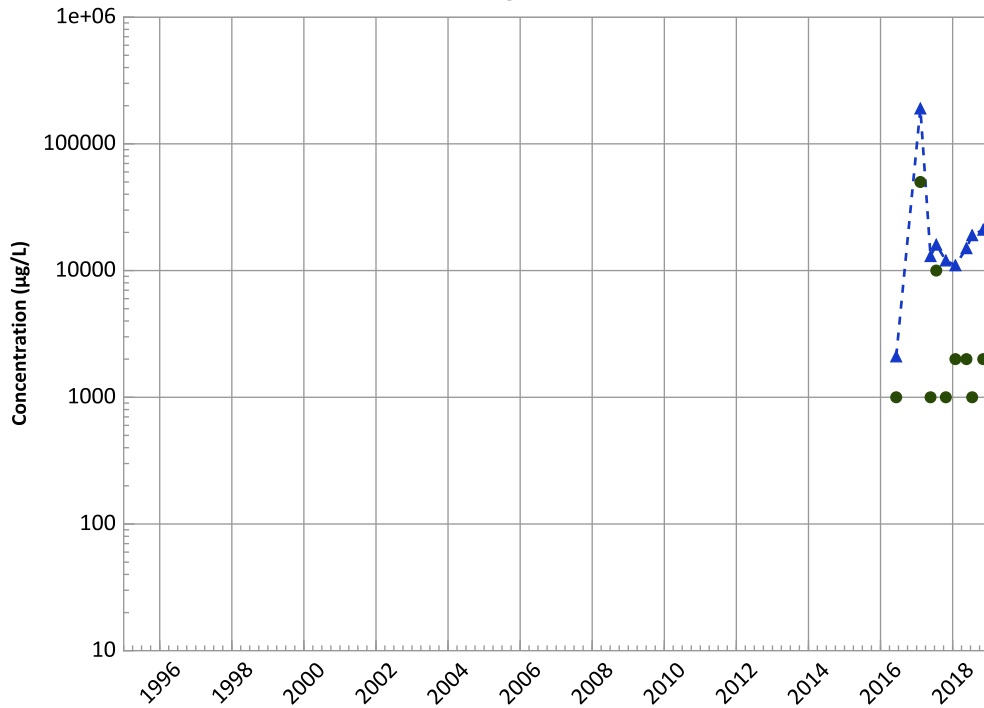


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Total Organic Carbon Trend

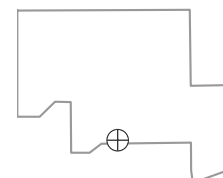


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Well Location

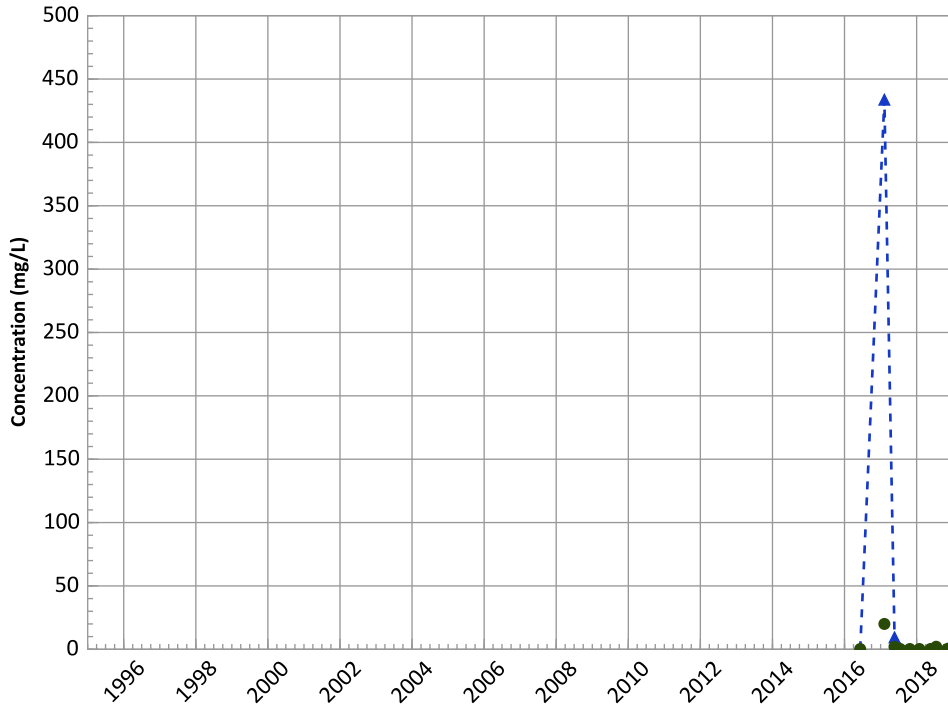


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1173 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:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

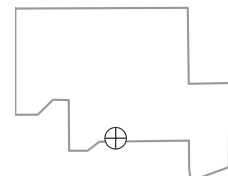
All Data:

No Trend

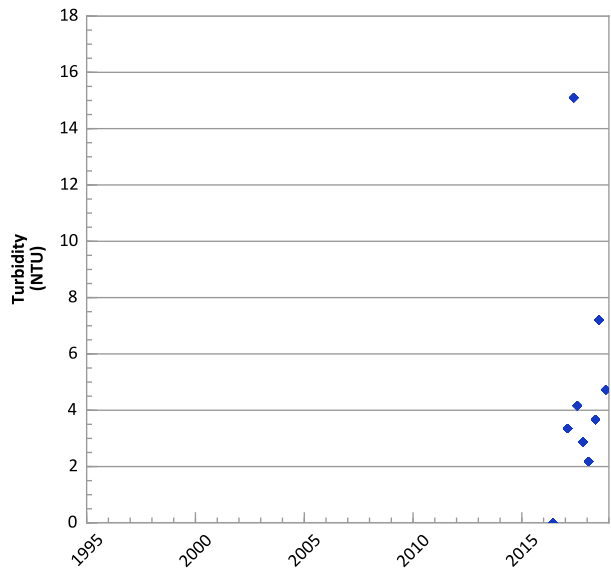
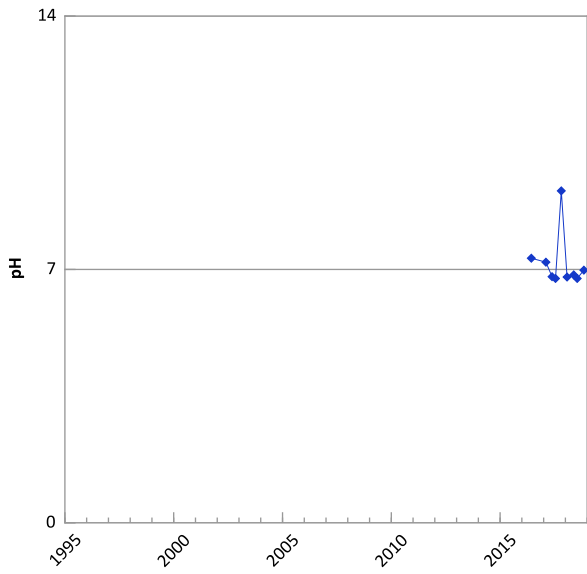
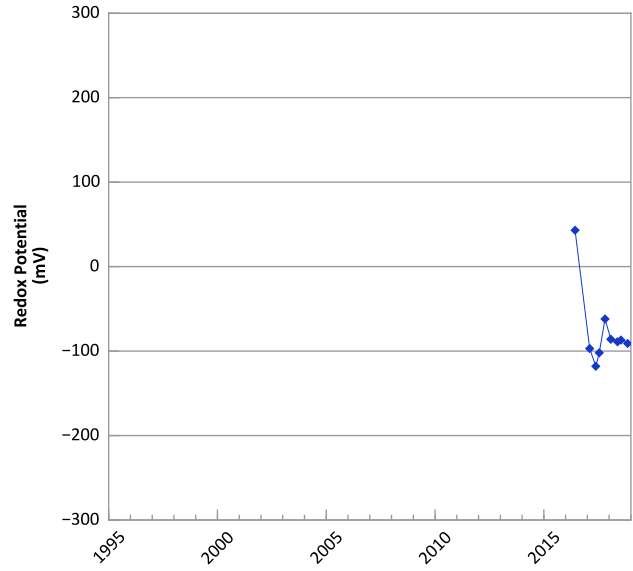
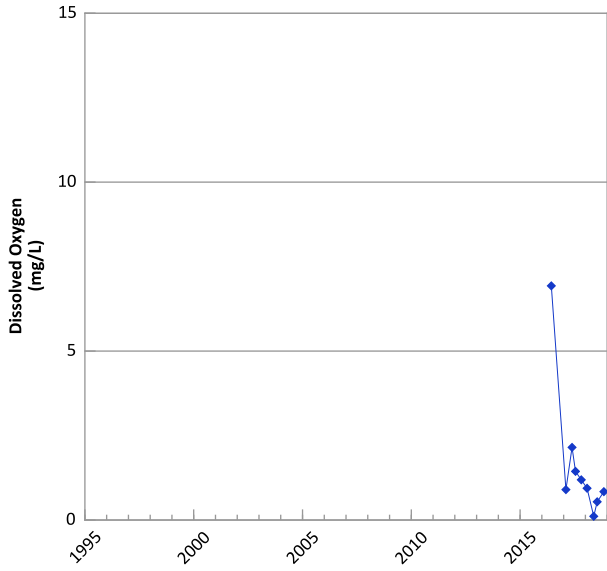
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

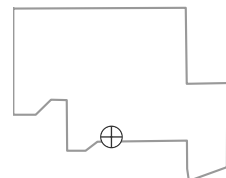


**PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



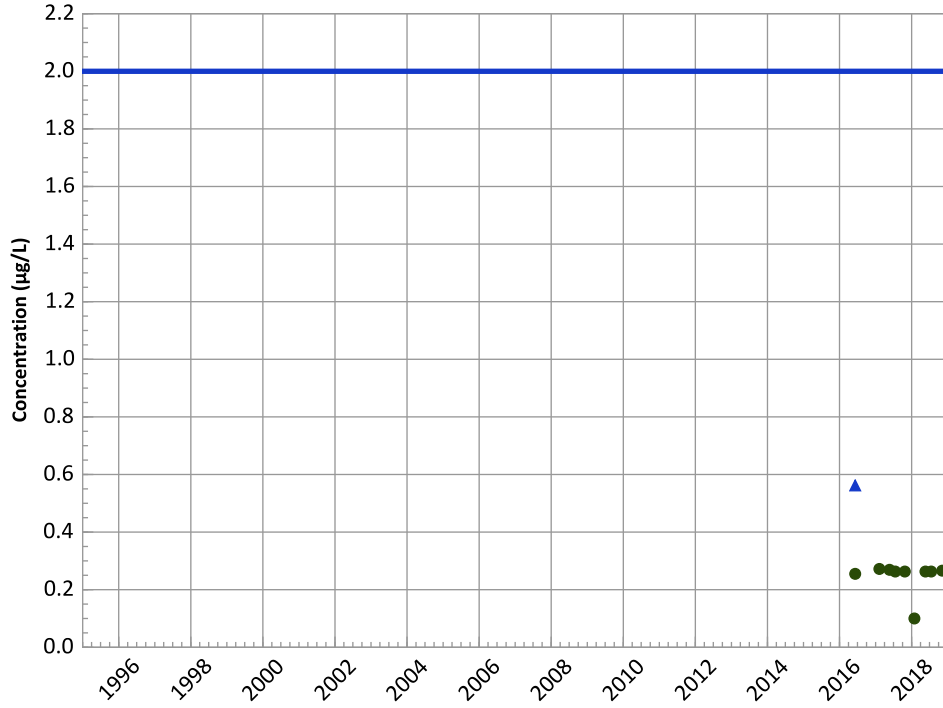
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/08/2016 to 11/07/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

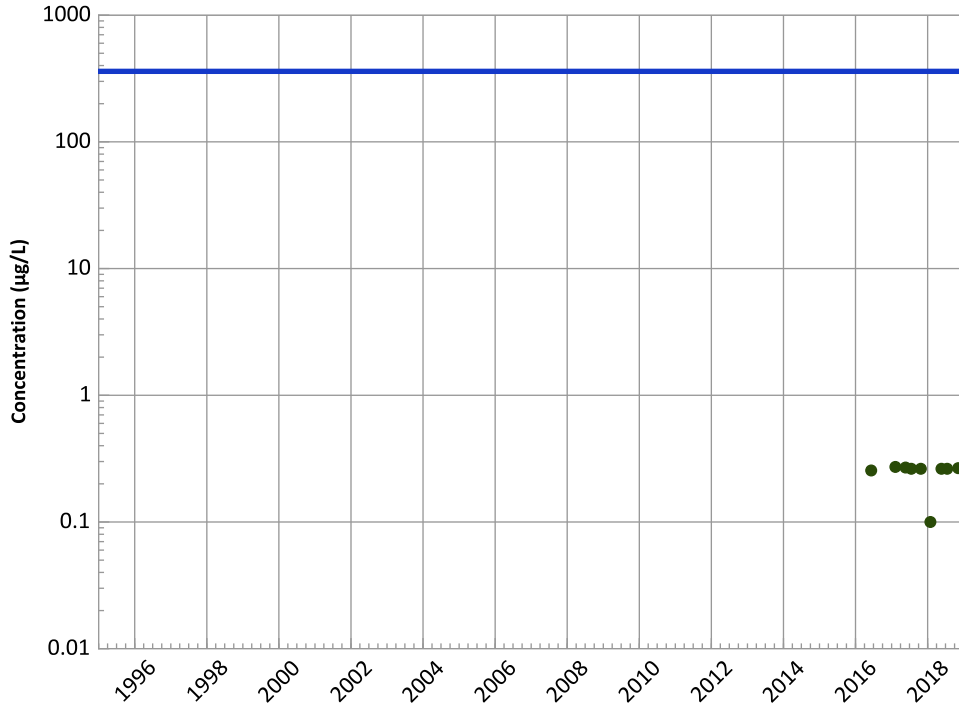
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

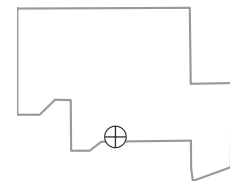
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

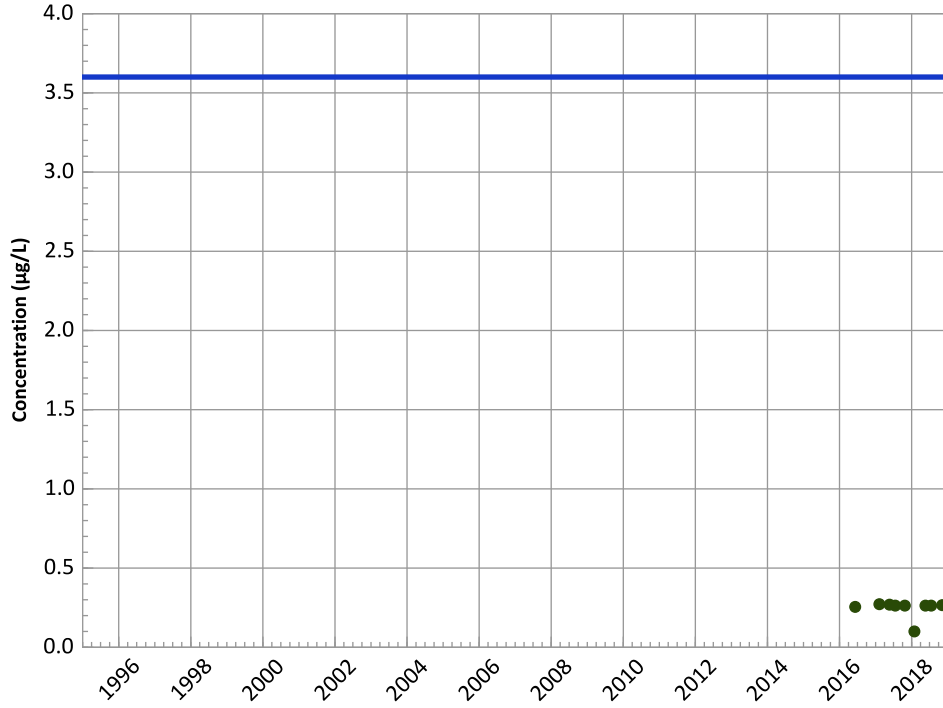


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

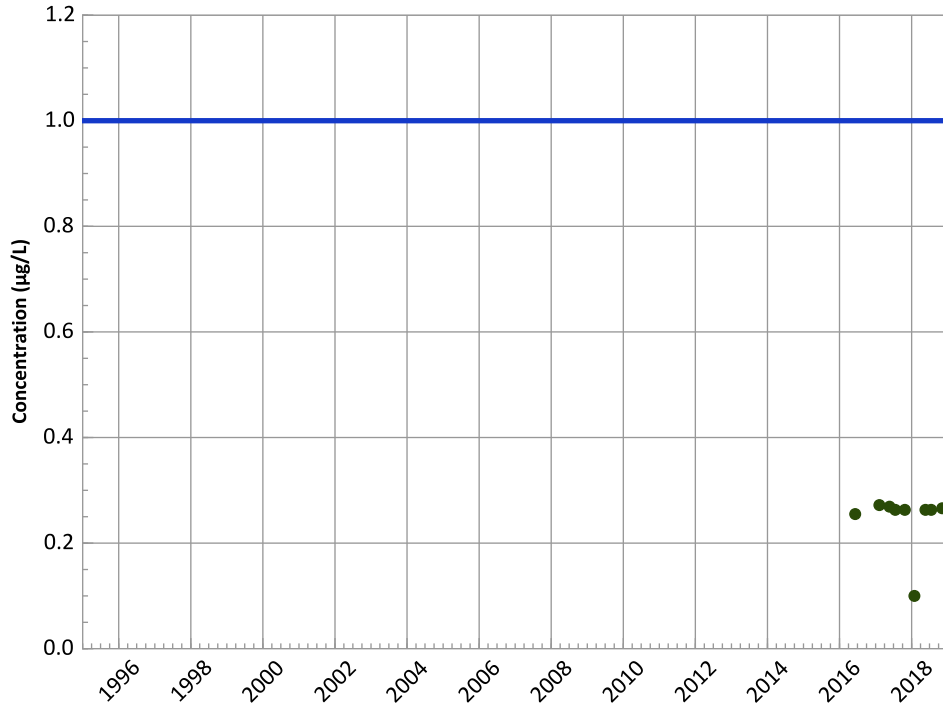


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

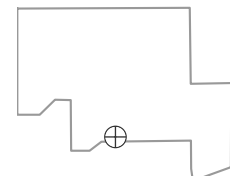


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

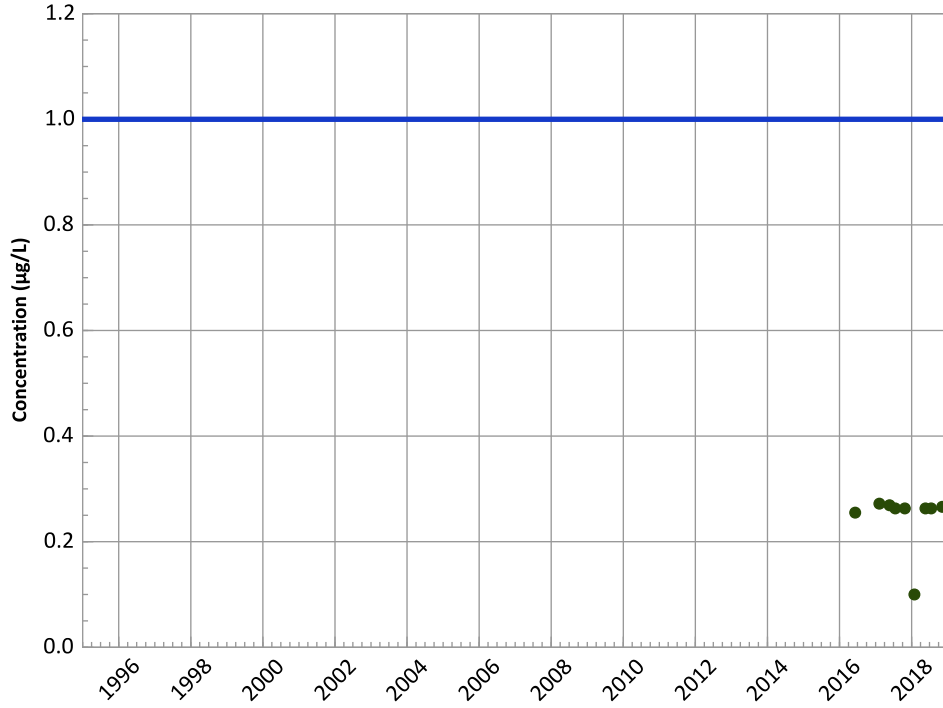


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

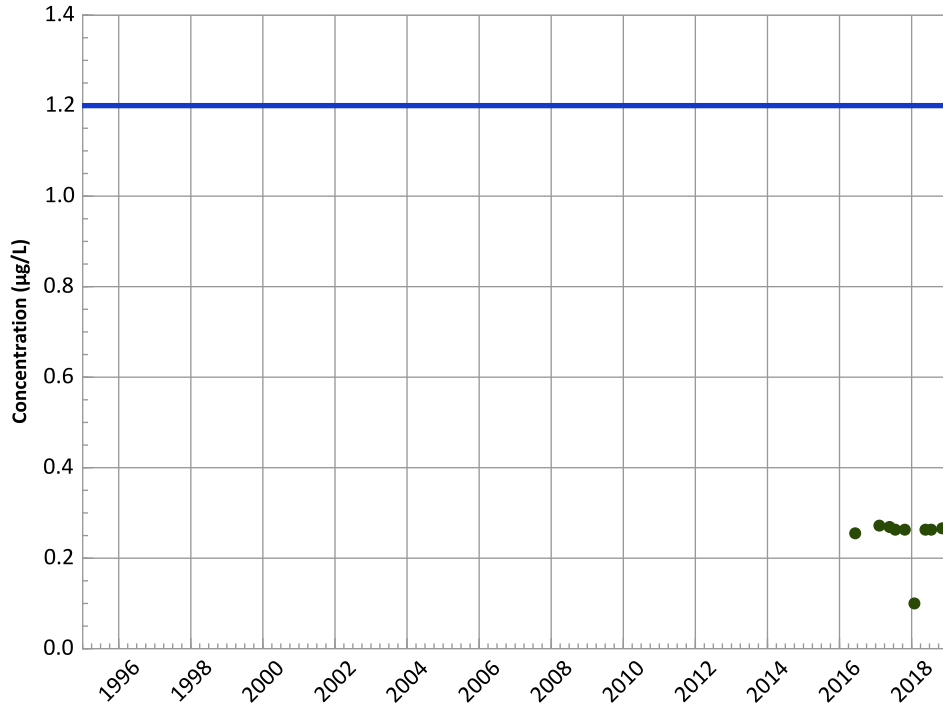


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

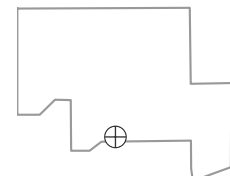


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

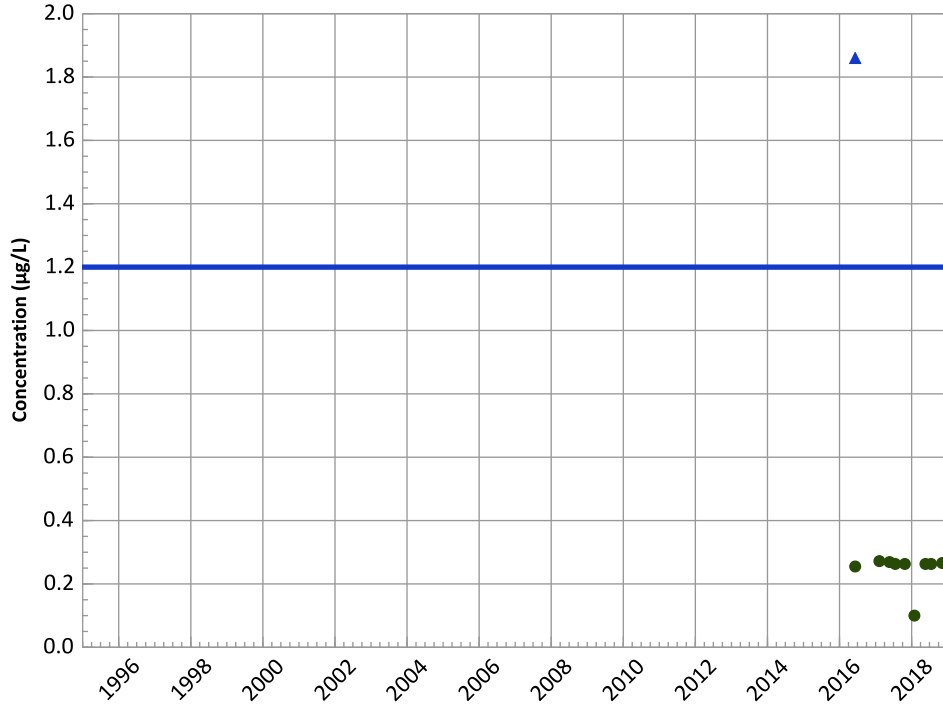


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

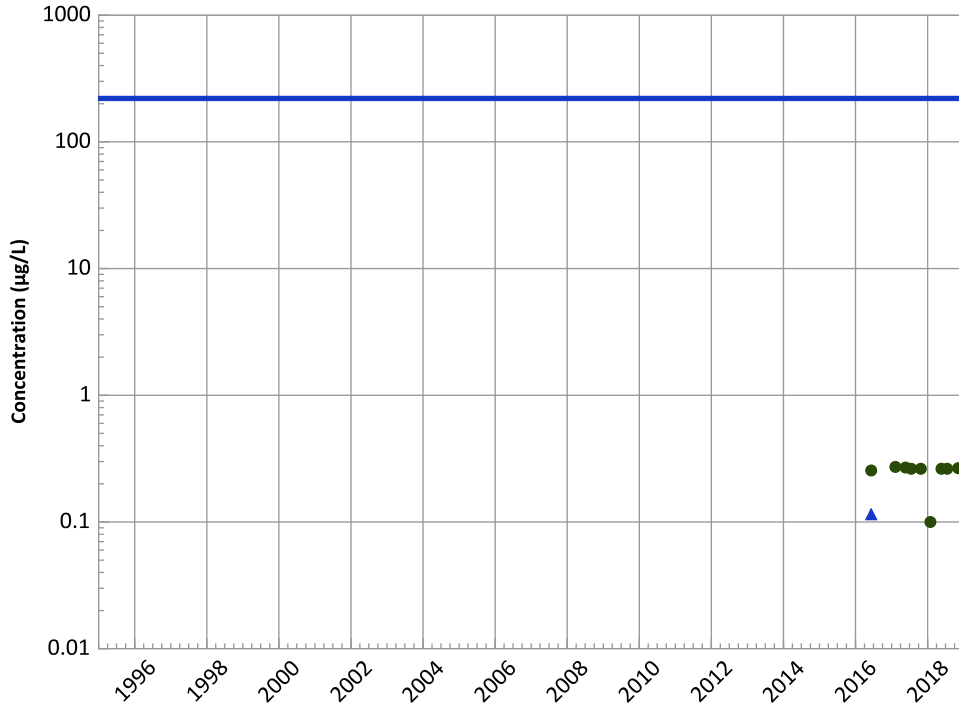


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend

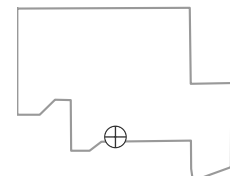


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

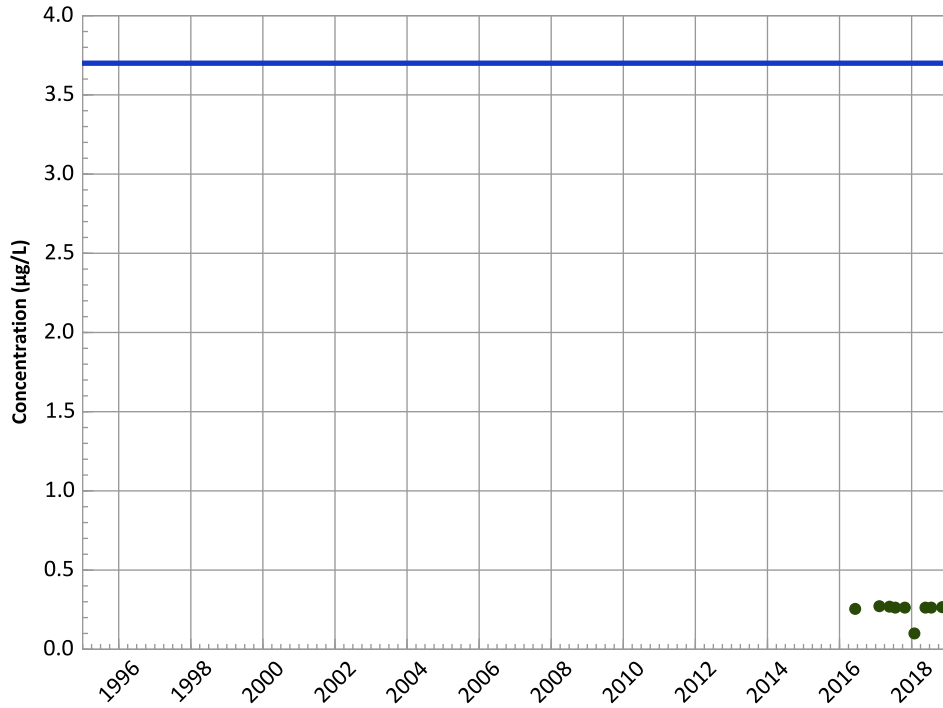
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**

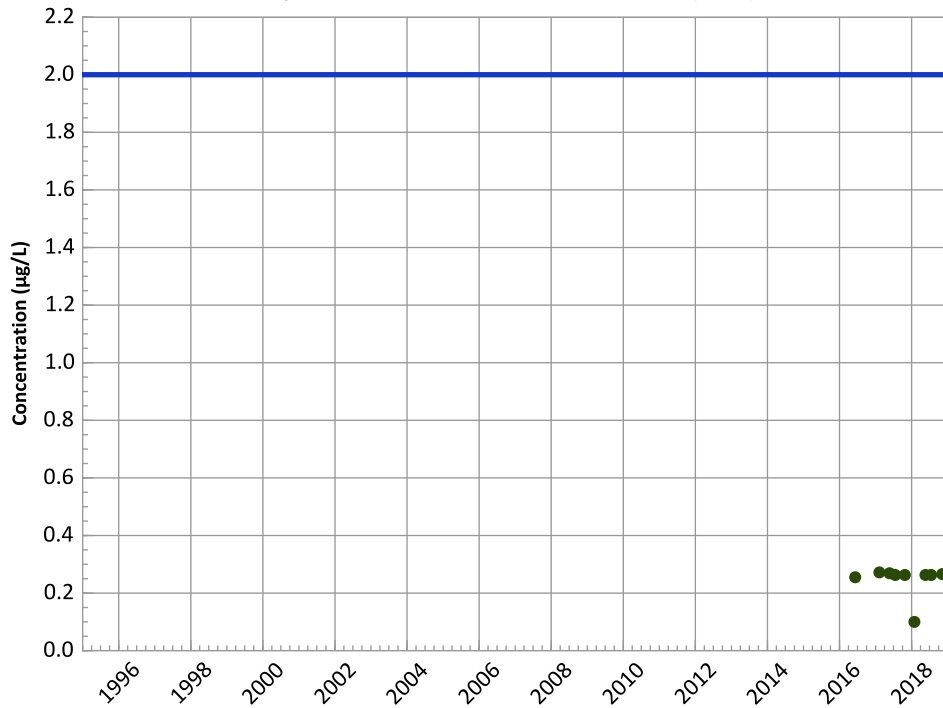


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

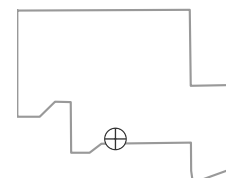


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

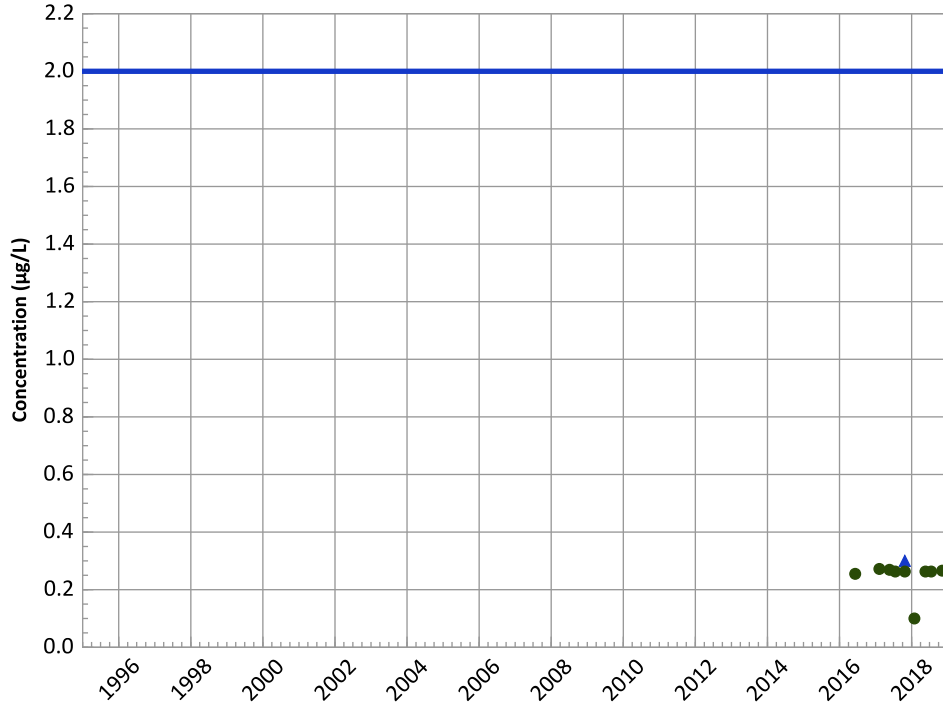


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

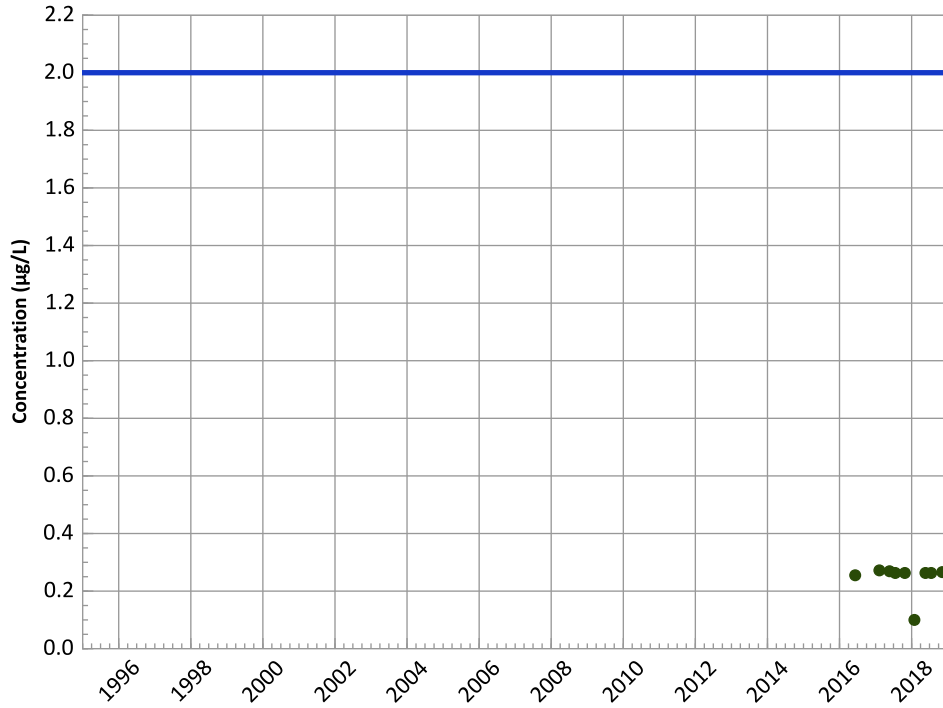
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

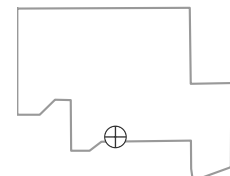
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

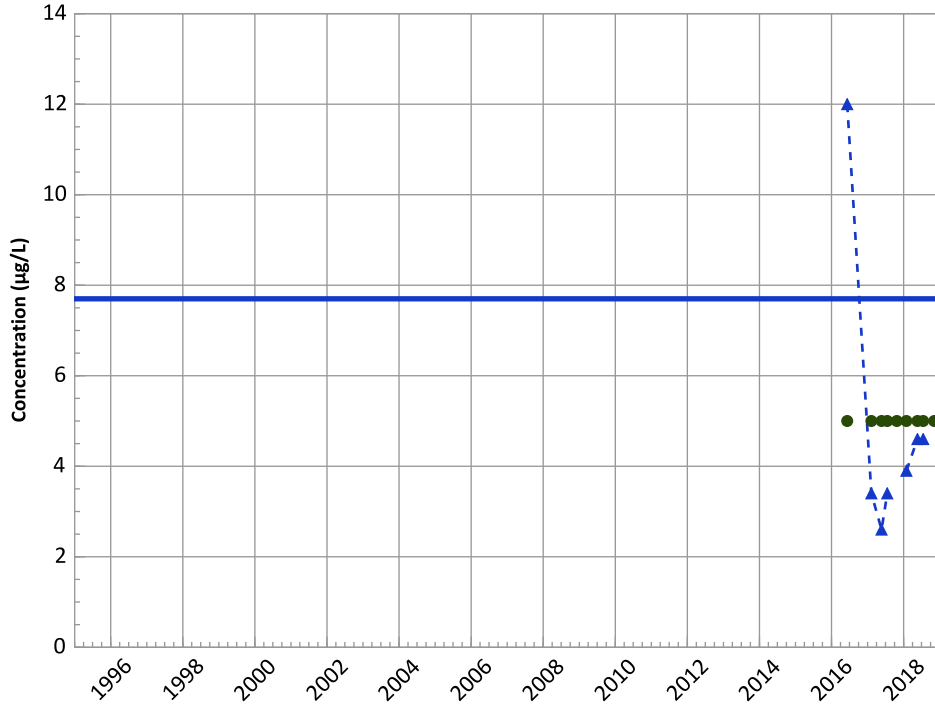


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

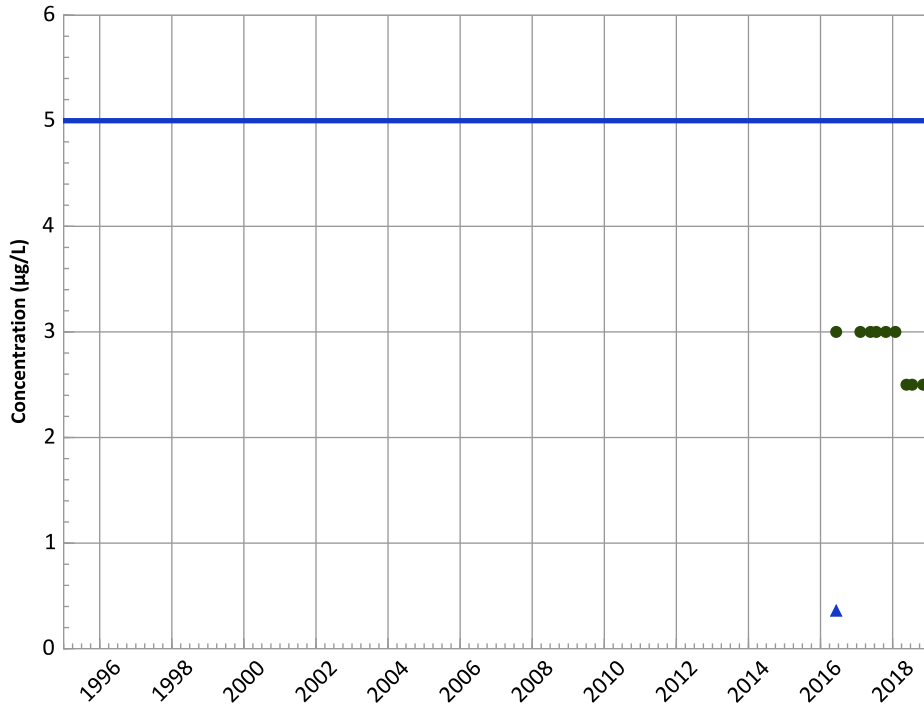


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Tetrachloroethylene (PCE) Trend

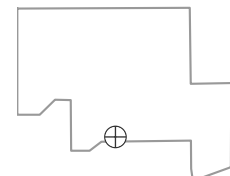


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

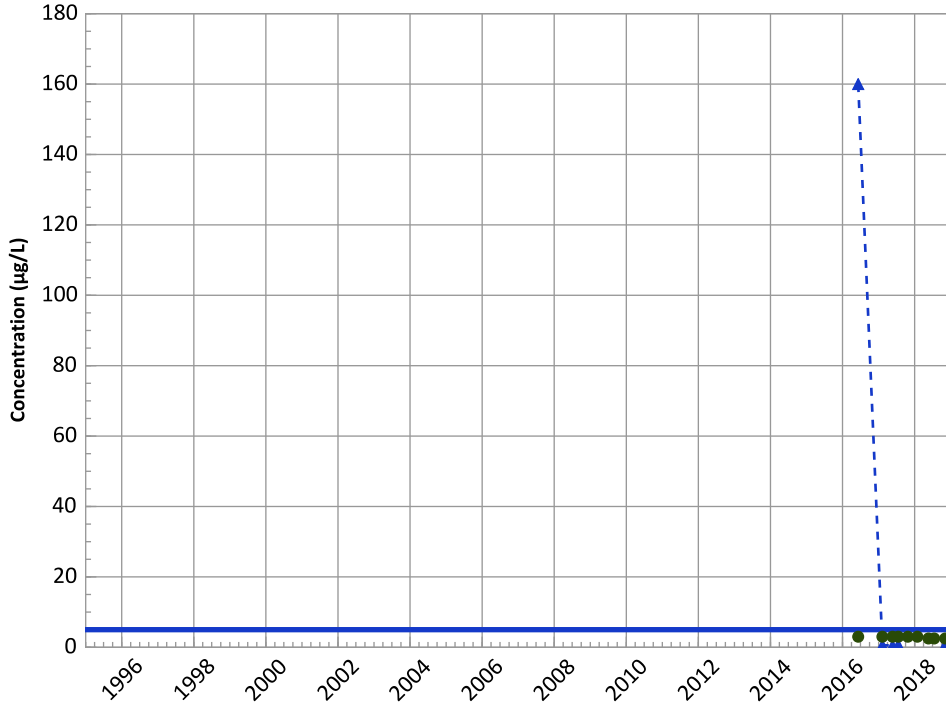


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

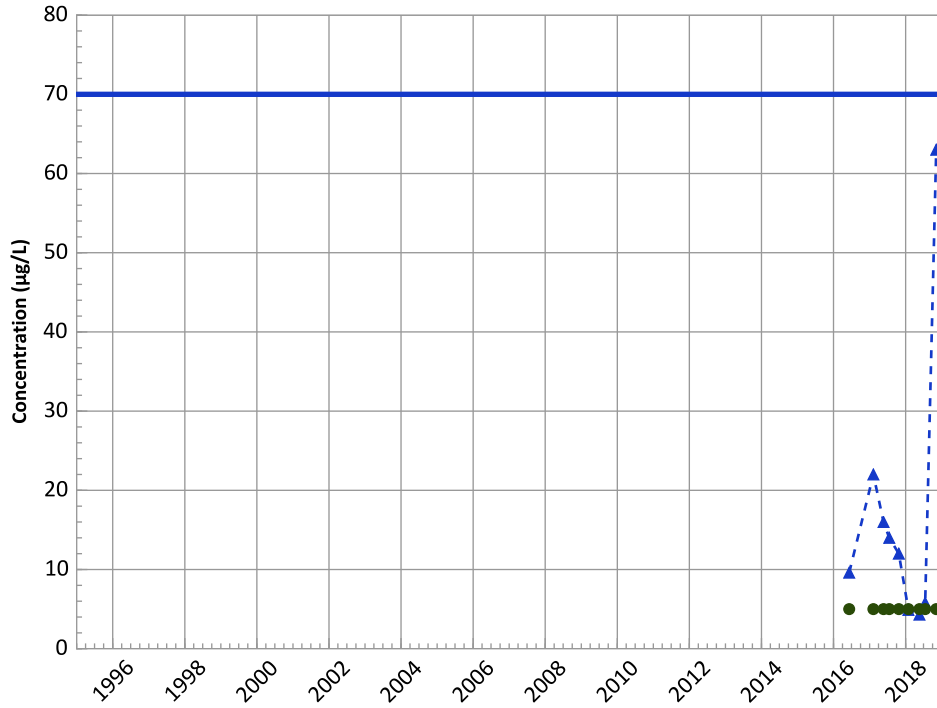


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

cis-1,2-Dichloroethene Trend

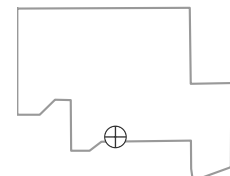


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Well Location

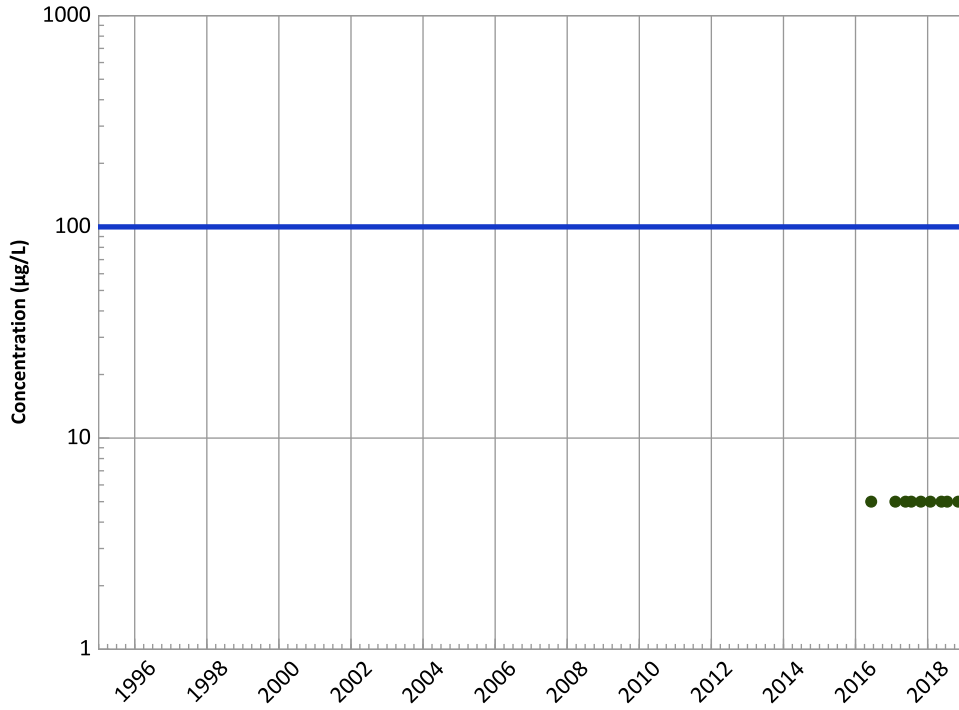


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend

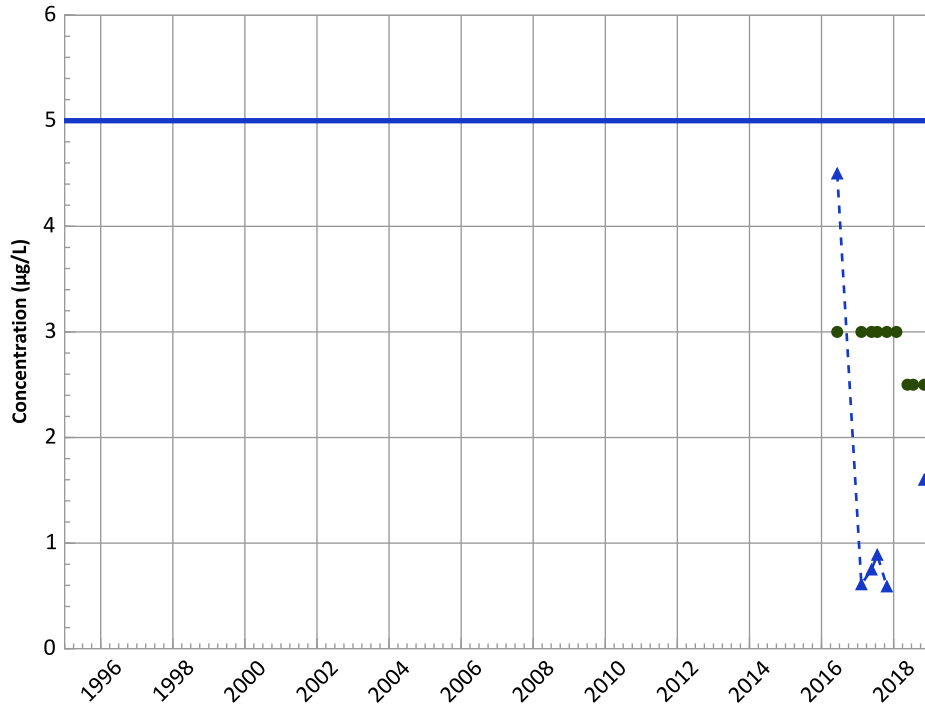


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

1,2-Dichloroethane Trend

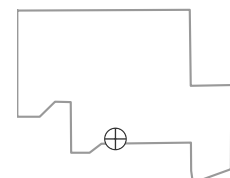


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

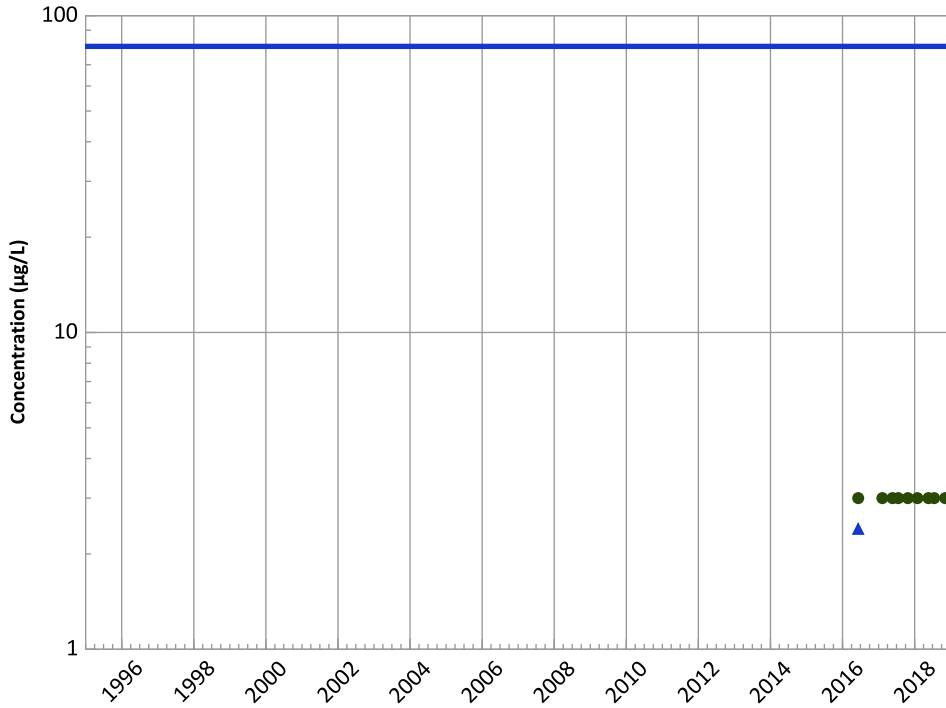
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

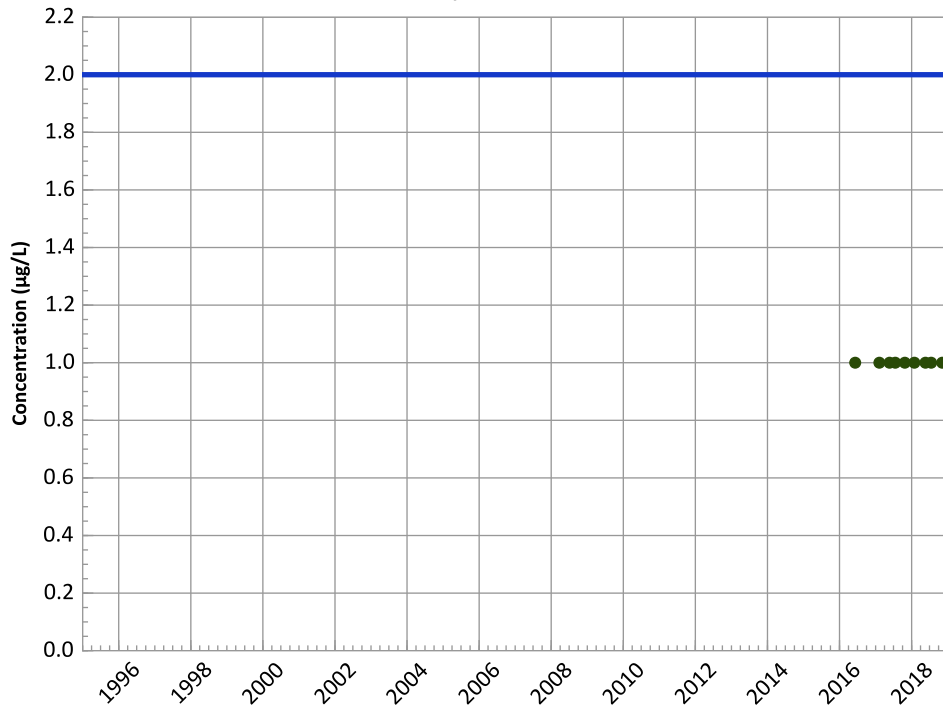


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Vinyl Chloride Trend

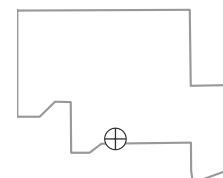


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

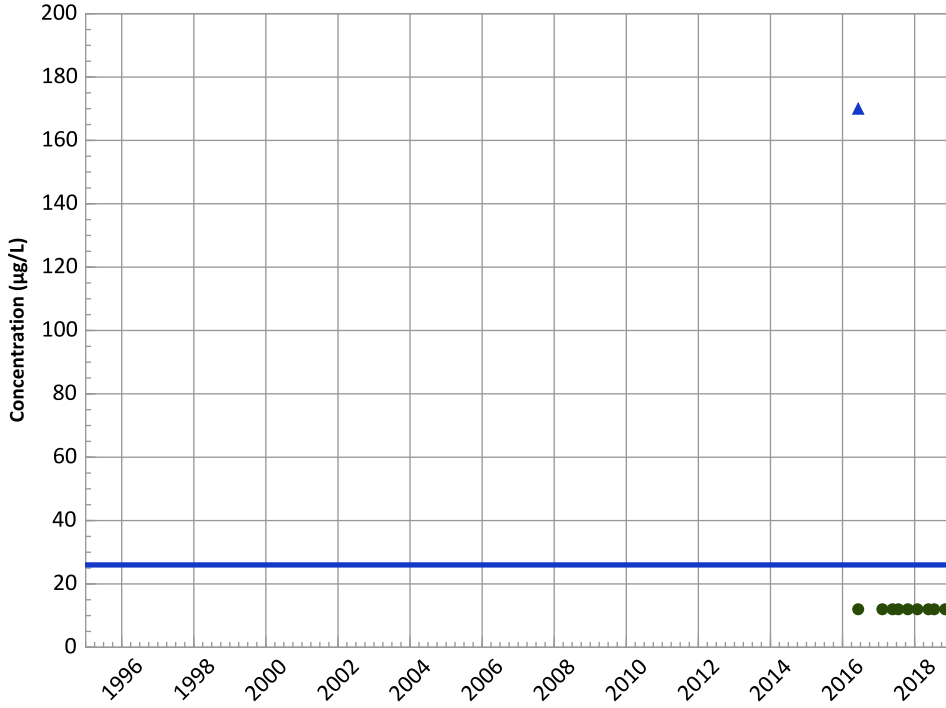


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend

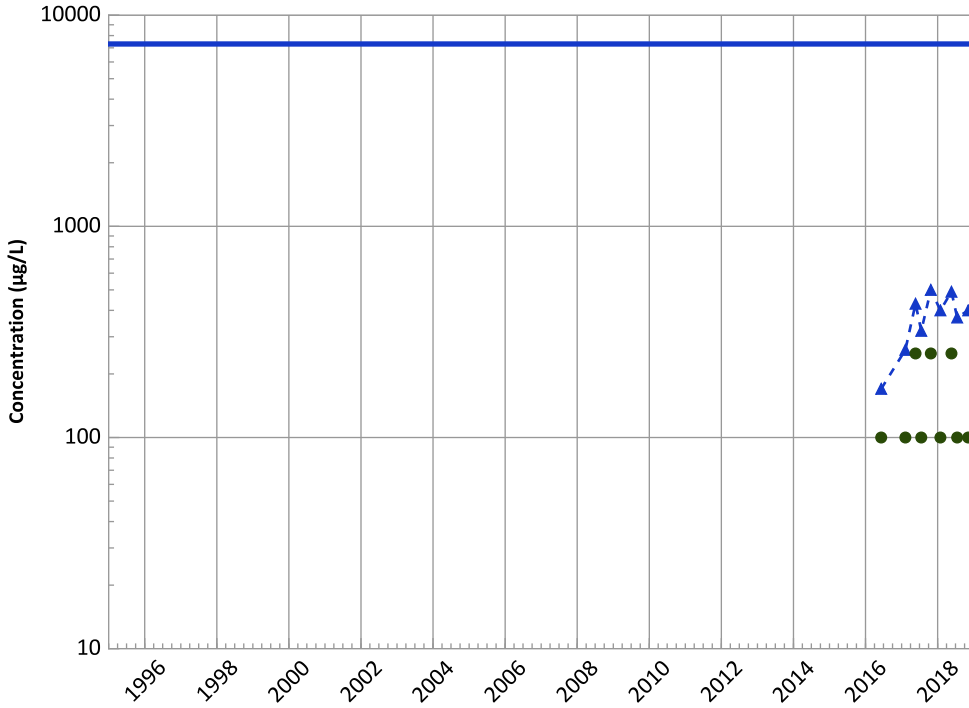


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Boron Trend

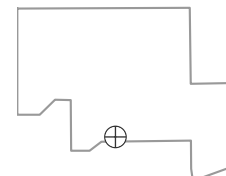


Concentration Trend

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 Detections in Dataset)
All Data:
Increasing

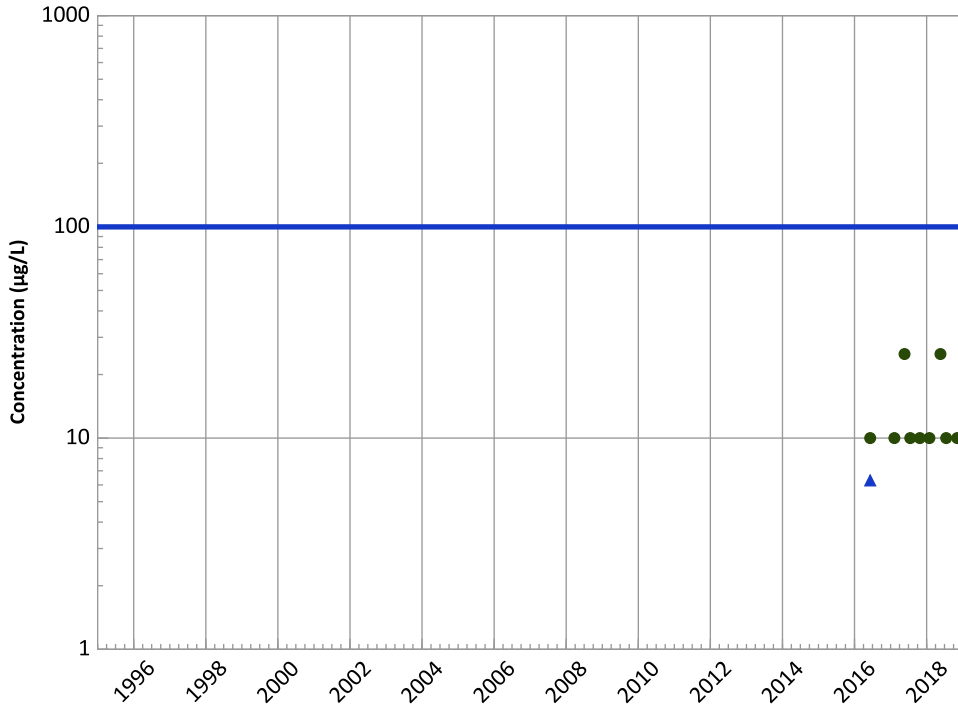
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**

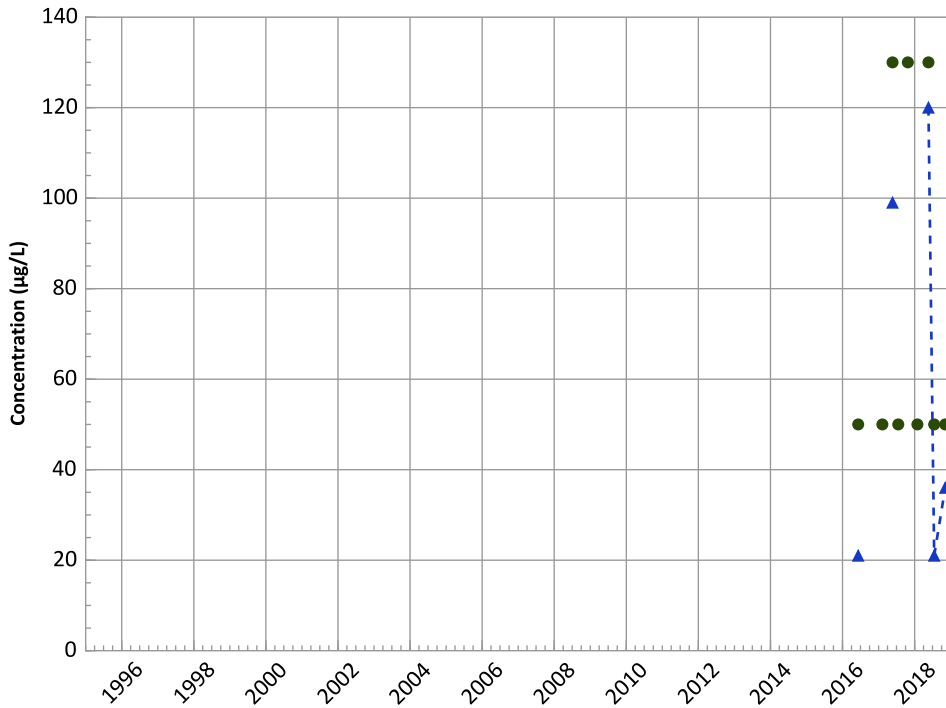


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Aluminum Trend

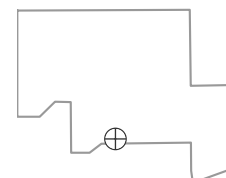


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Well Location

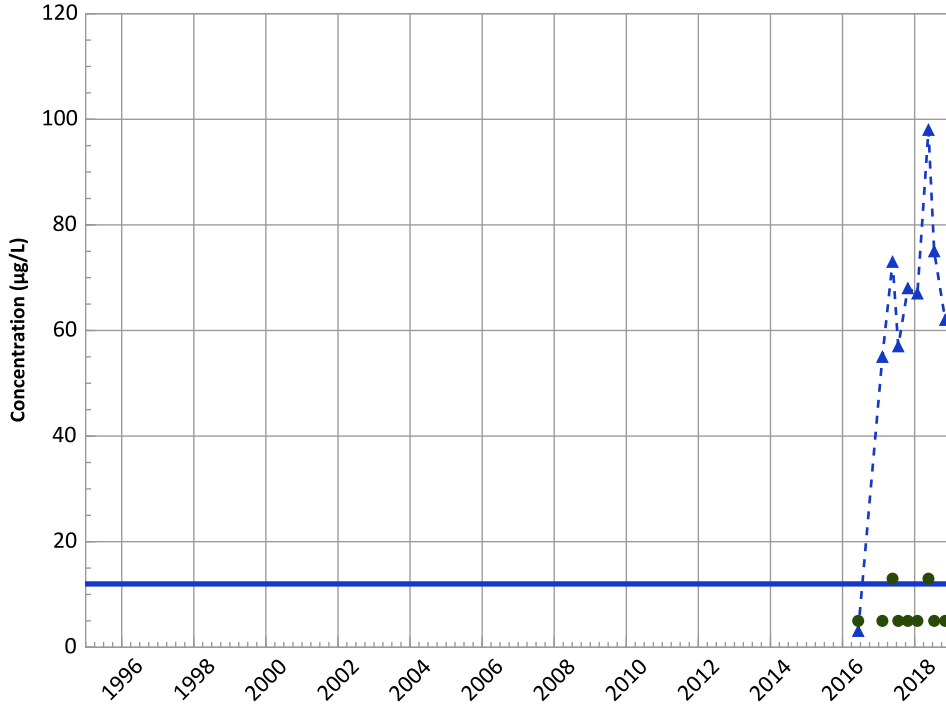


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend

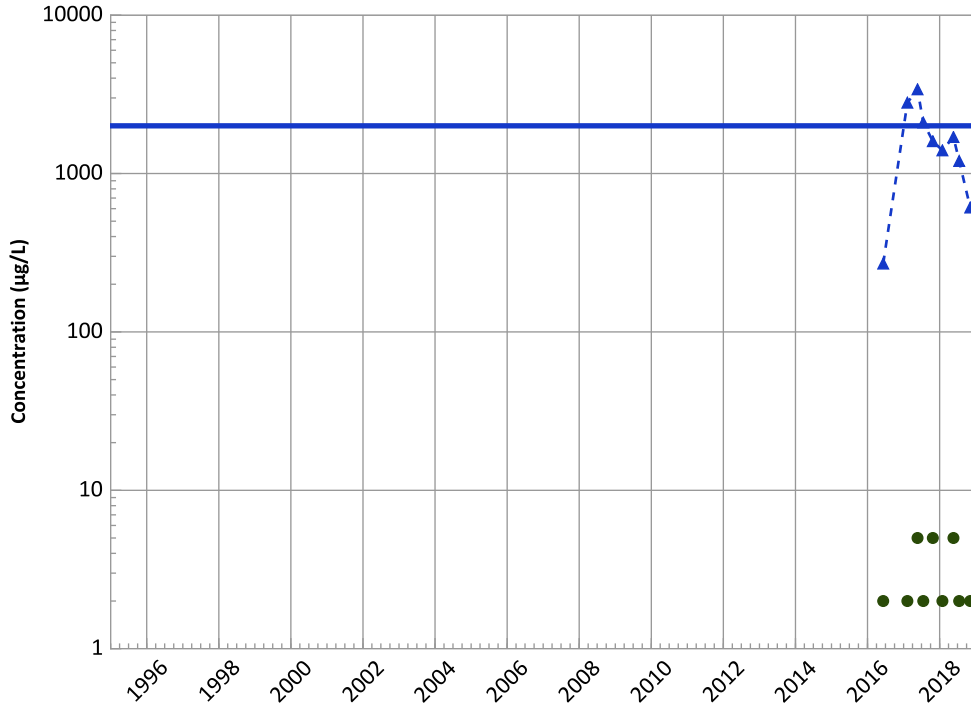


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Probably Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Barium Trend



Concentration Trend

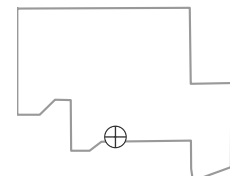
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

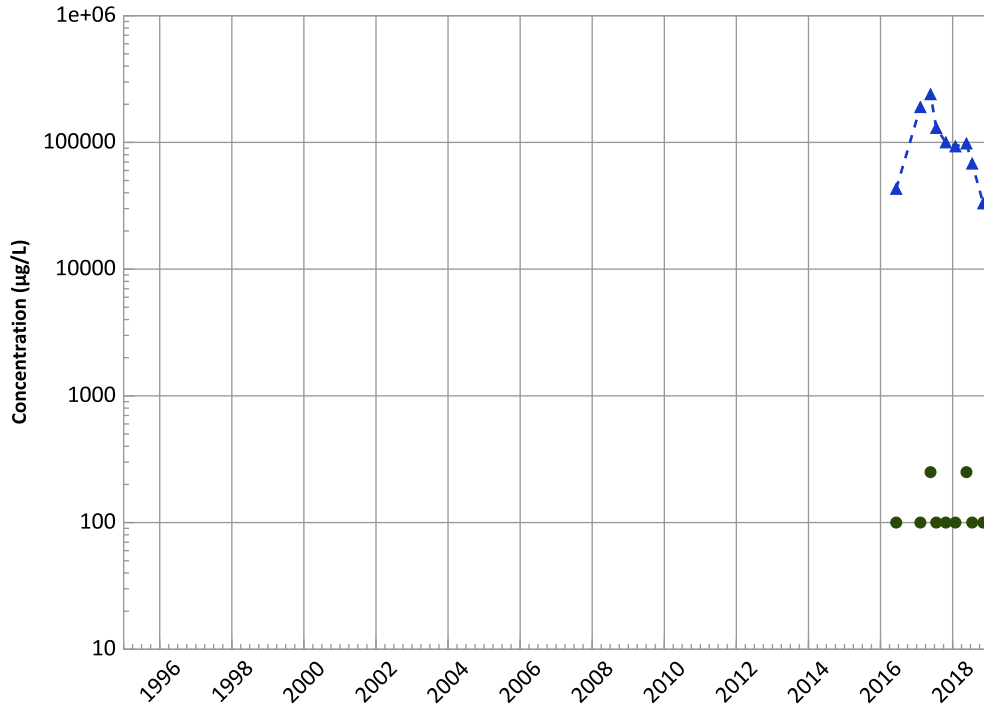
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend

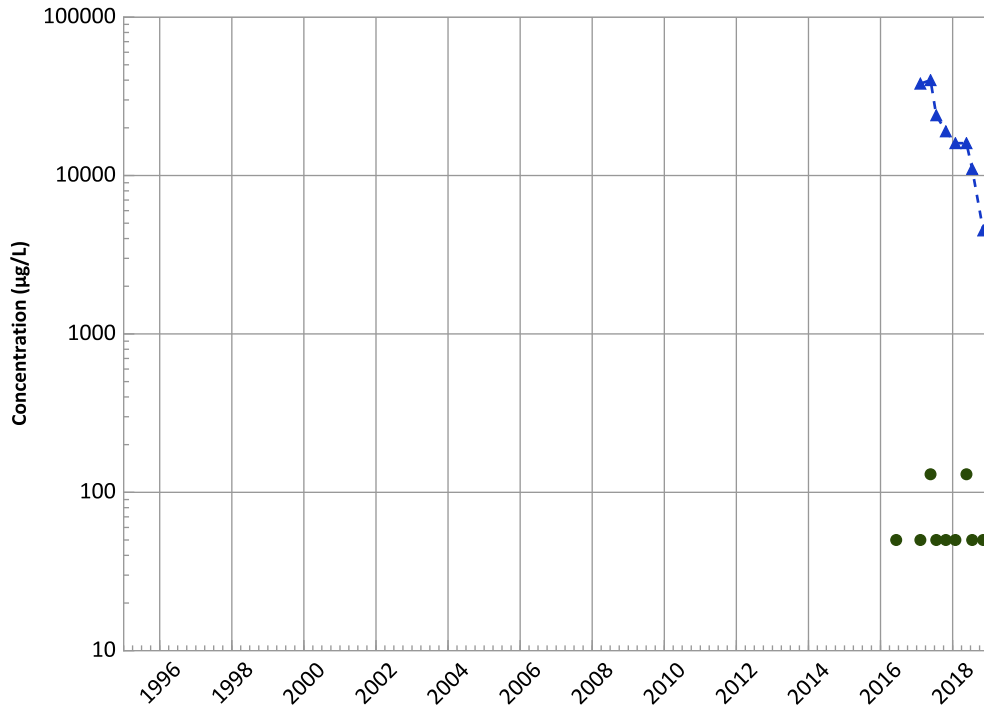


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Iron Trend

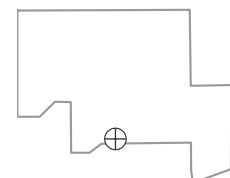


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

Well Location

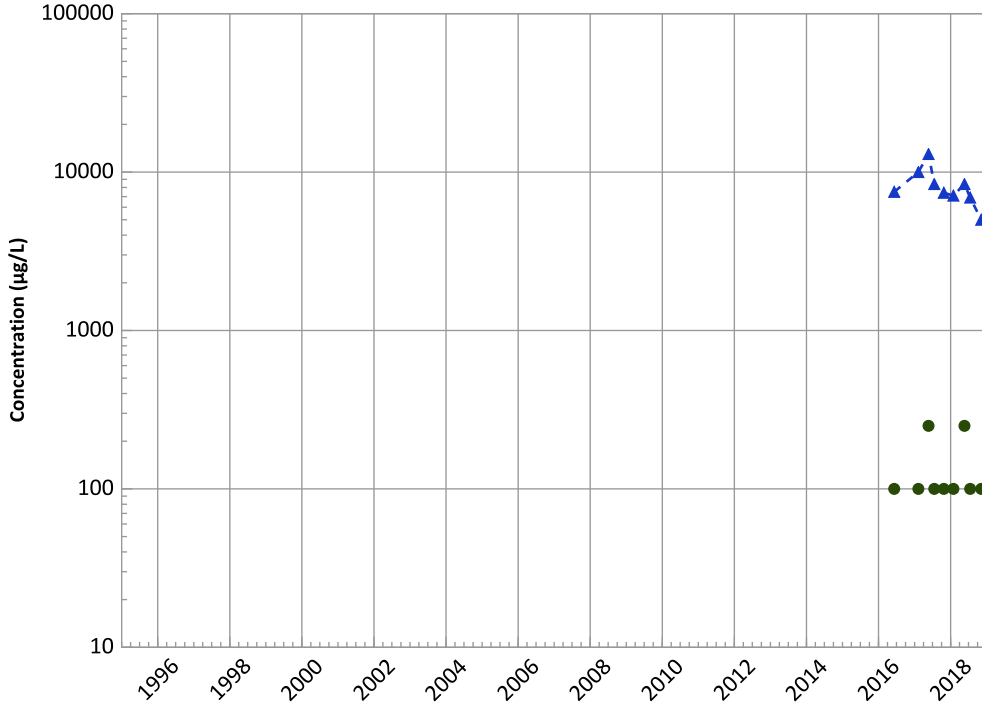


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend

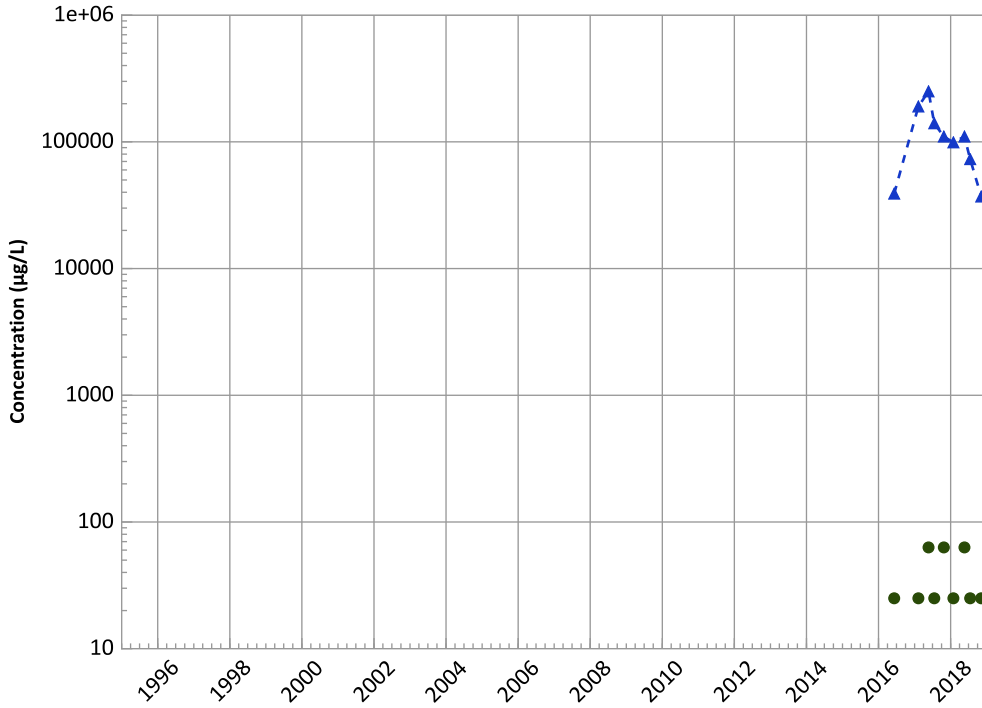


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Magnesium Trend

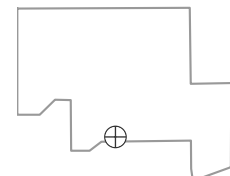


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Well Location

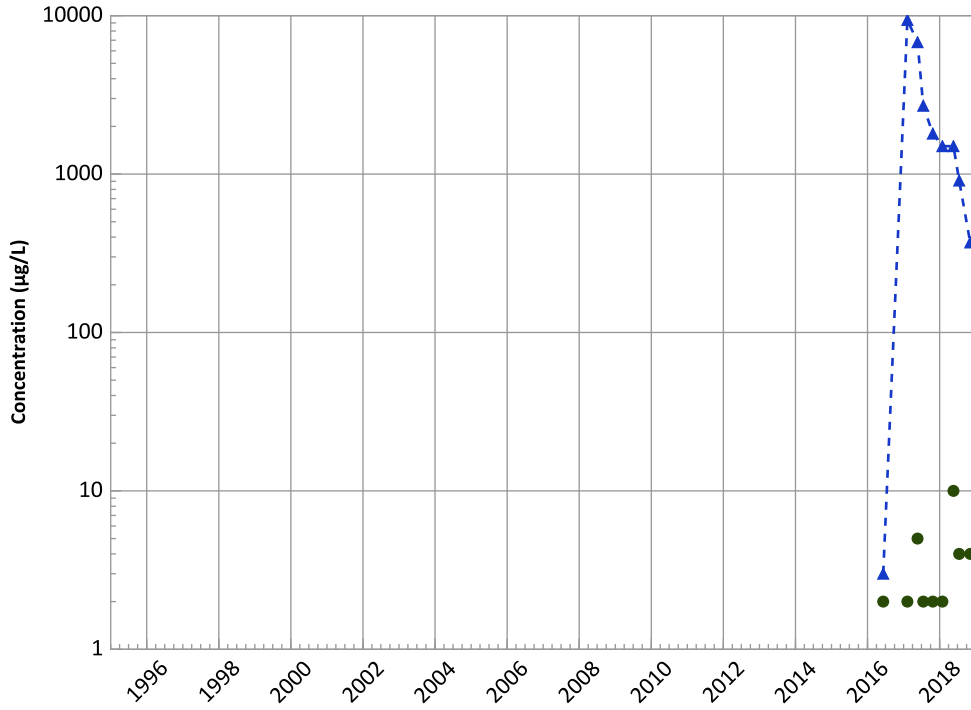


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer USDOE/NNSA Pantex Plant

Manganese Trend

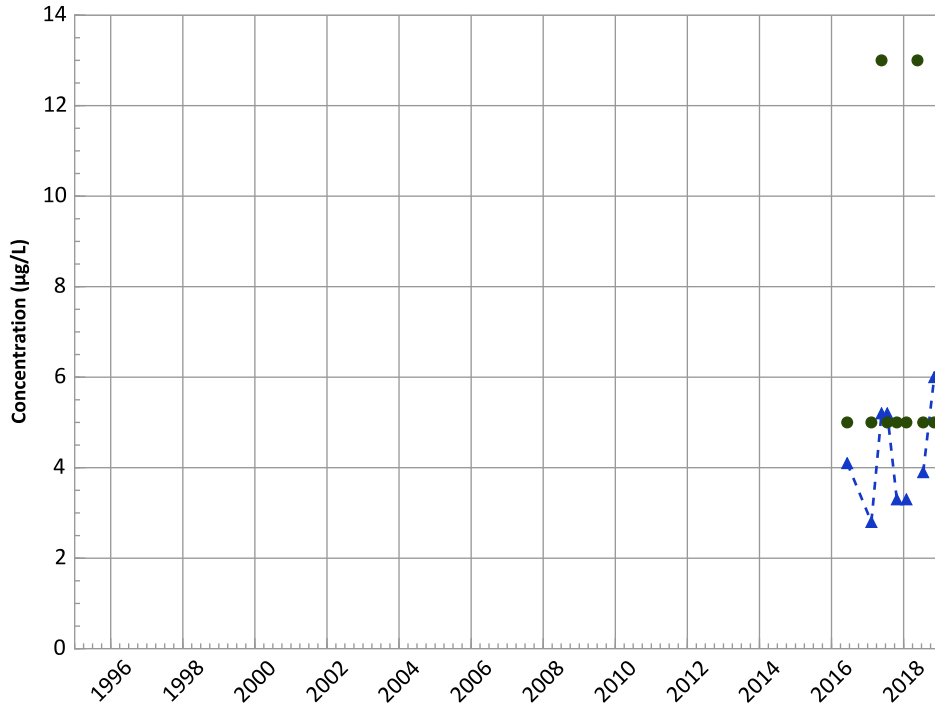


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Molybdenum Trend

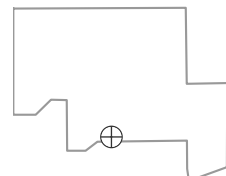


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Well Location

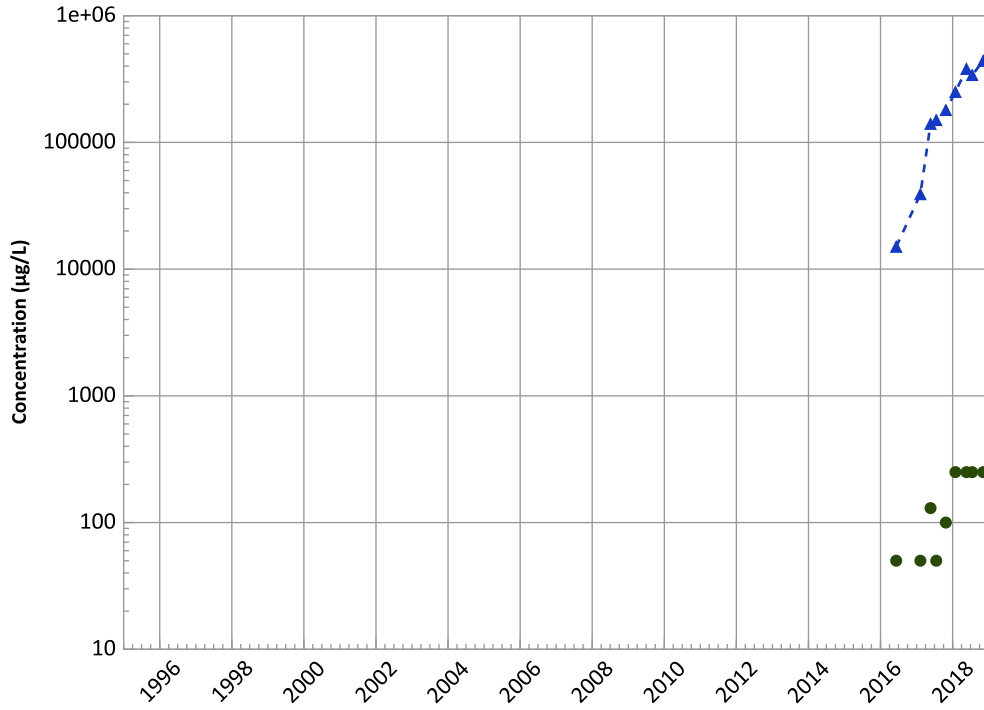


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend

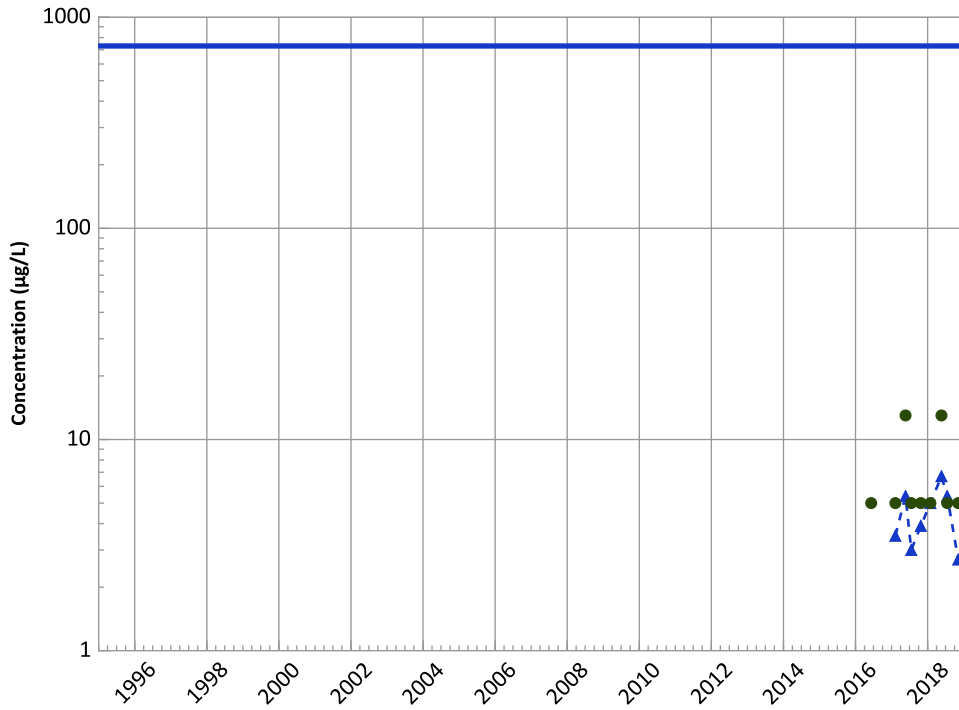


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Nickel Trend

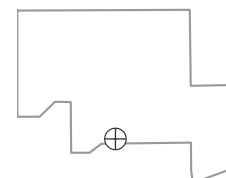


Concentration Trend

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

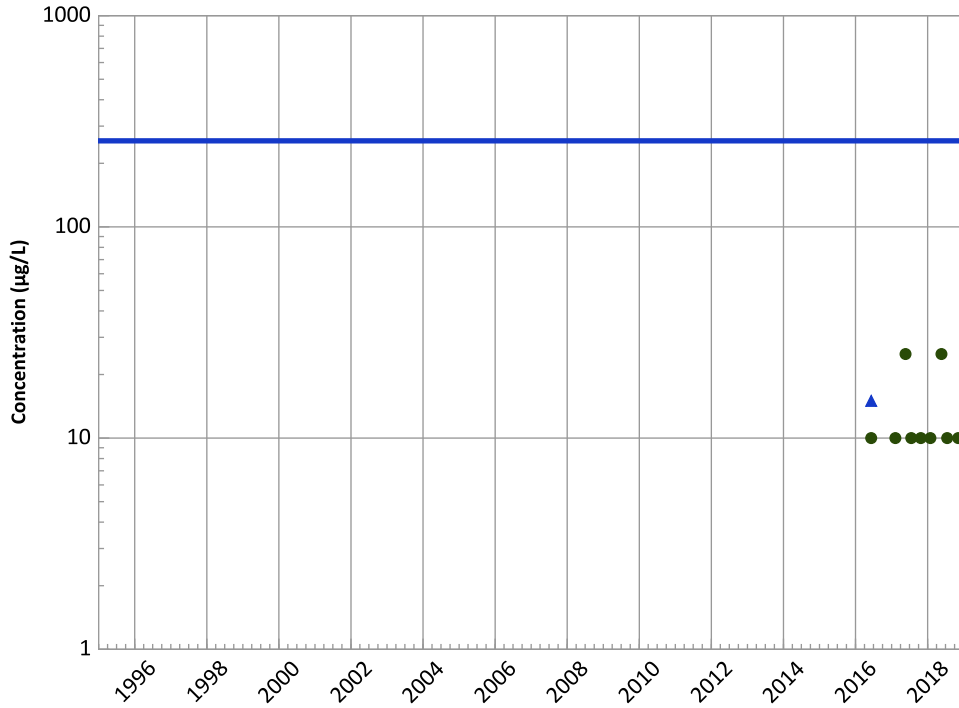
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vanadium Trend**

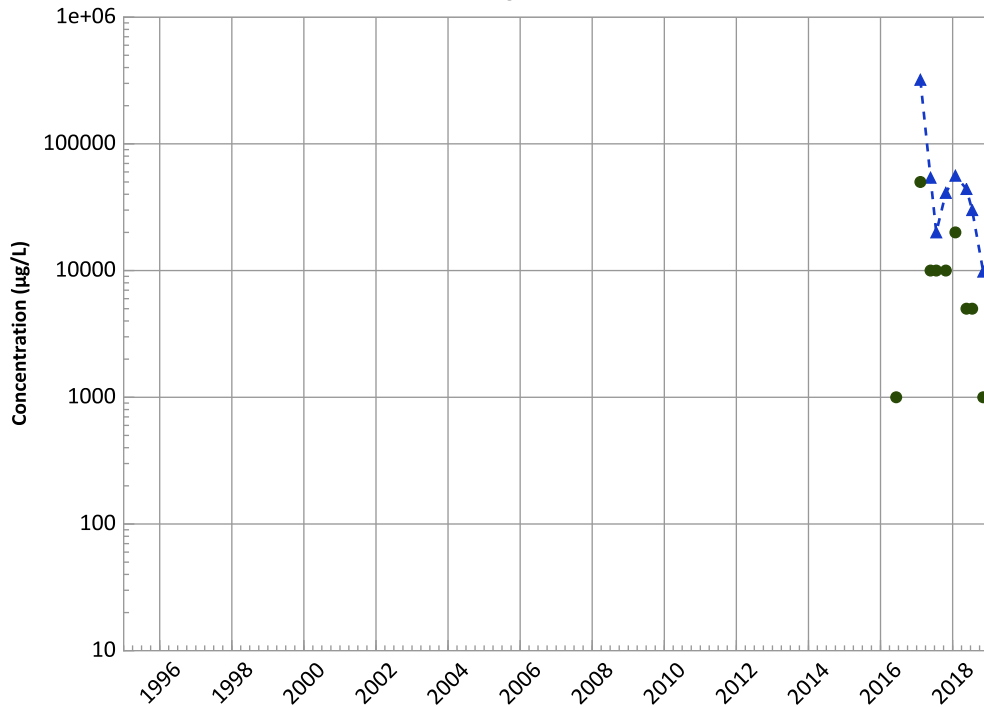


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Total Organic Carbon Trend

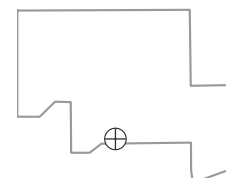


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

Well Location

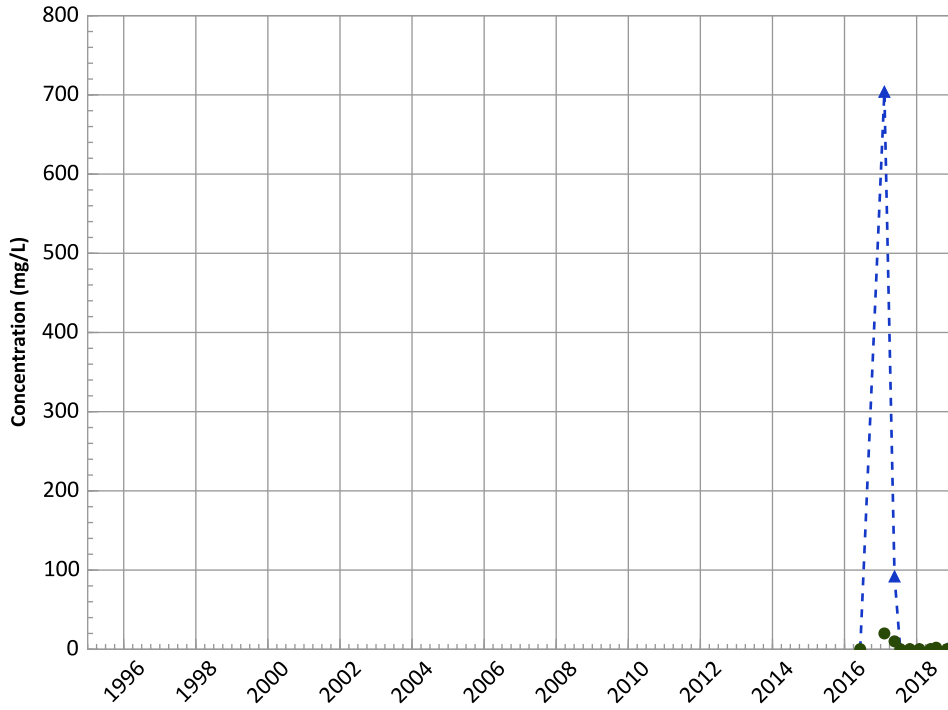


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1174 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

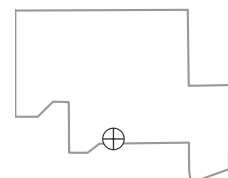
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

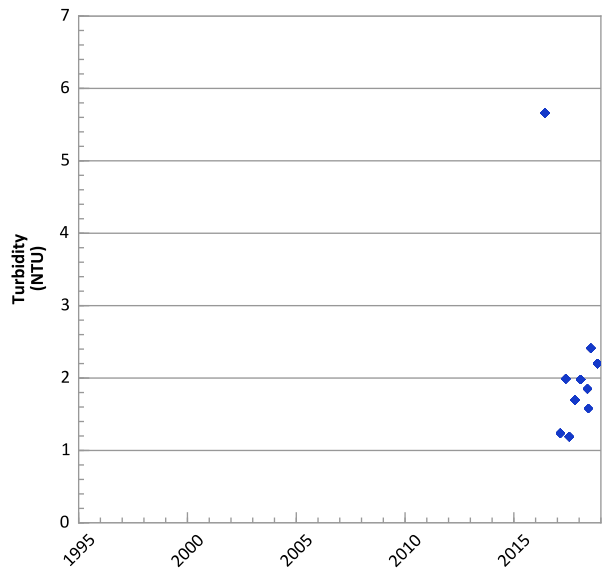
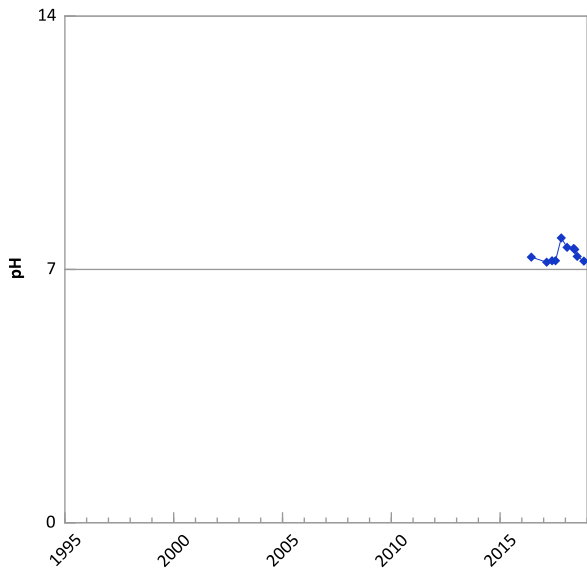
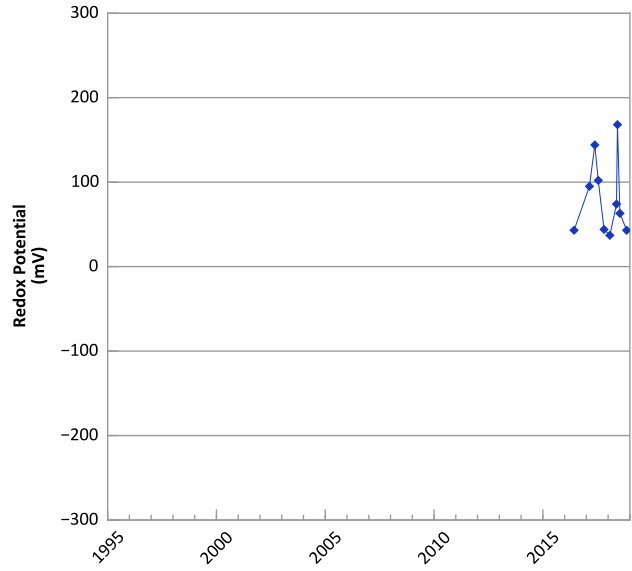
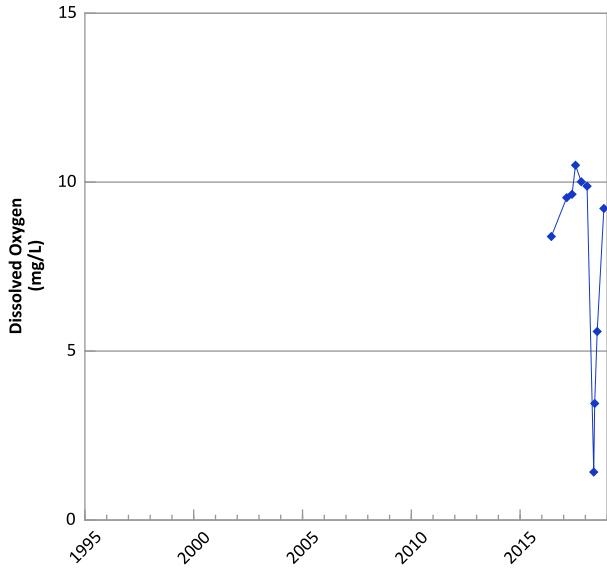
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

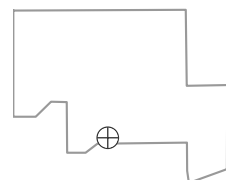


**PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



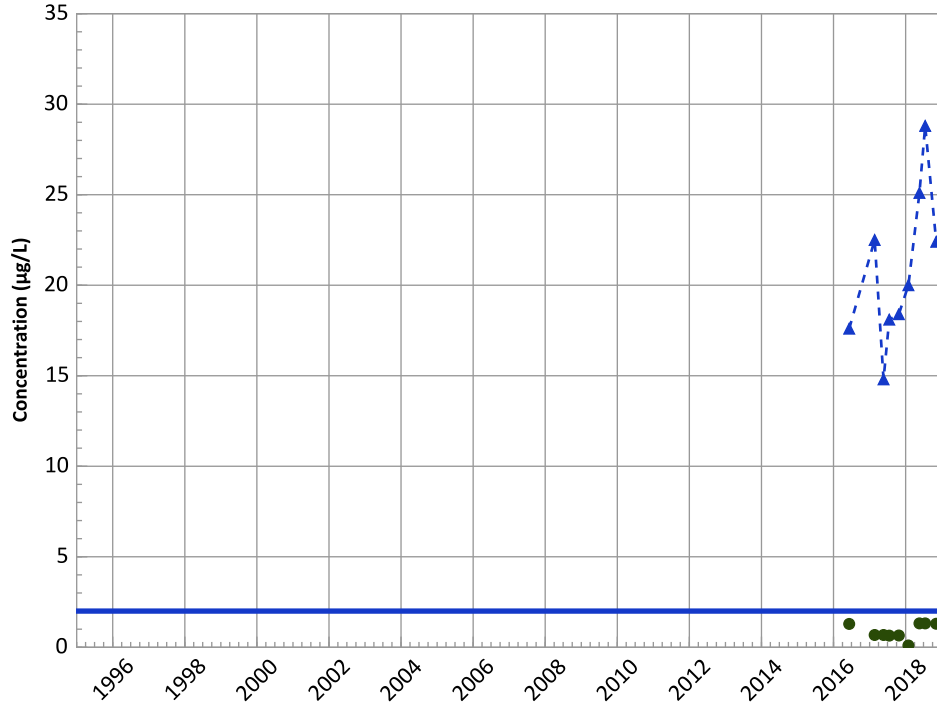
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/08/2016 to 11/07/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

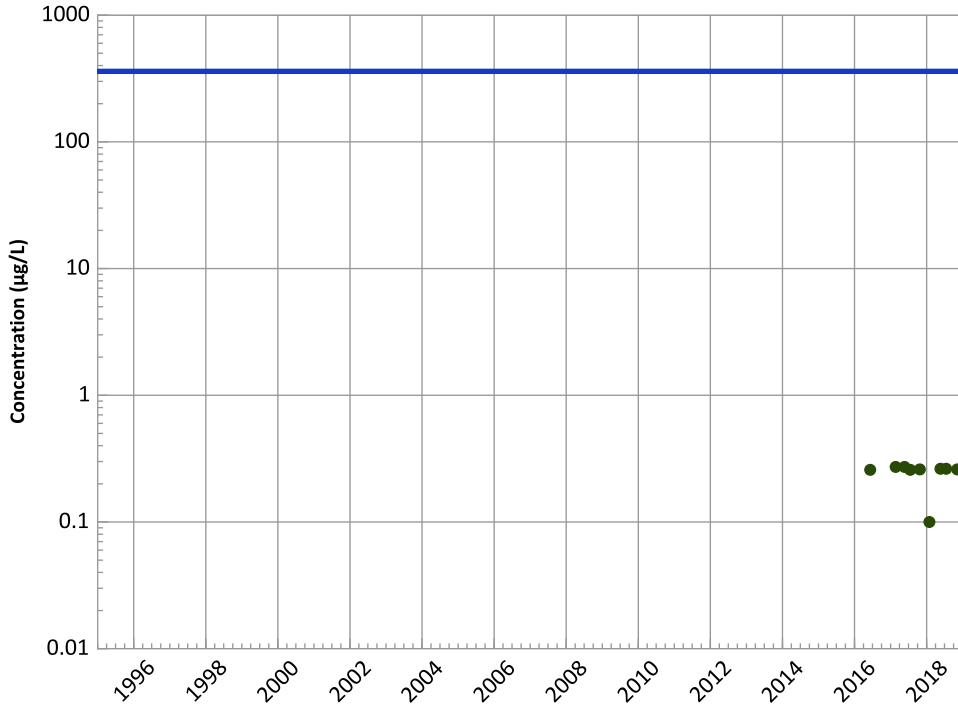


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

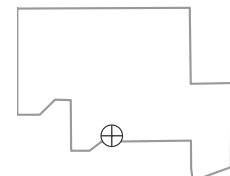


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

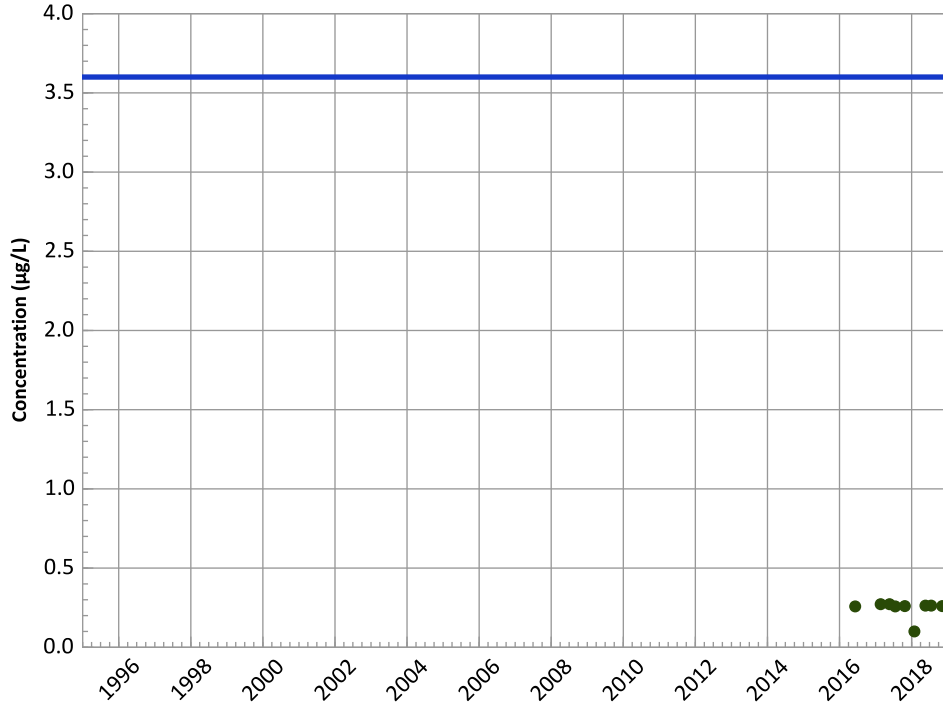


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

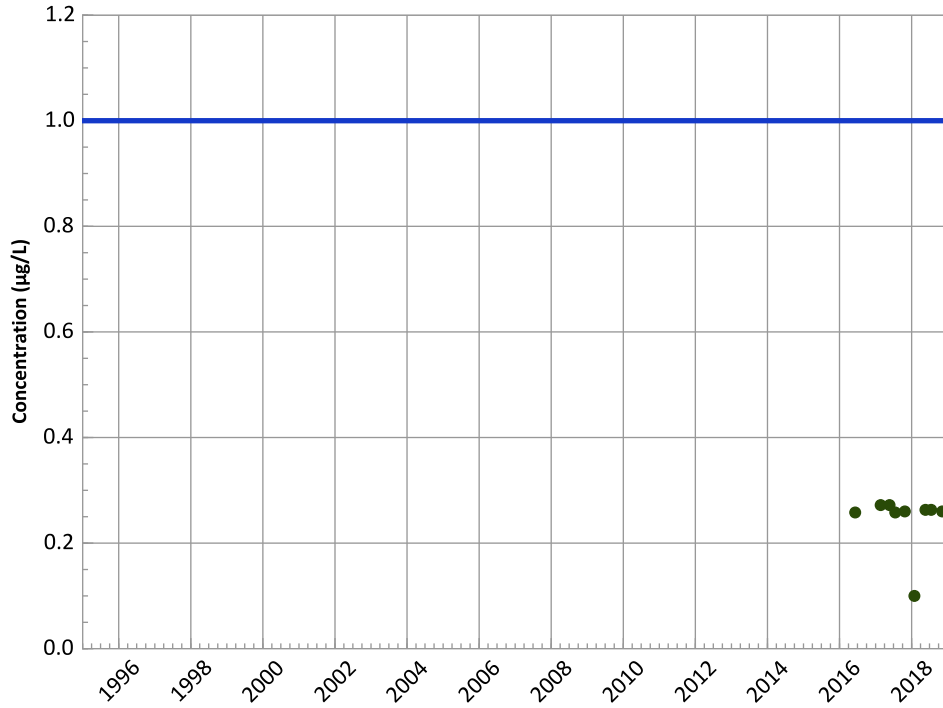


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

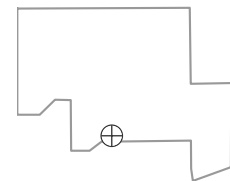


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

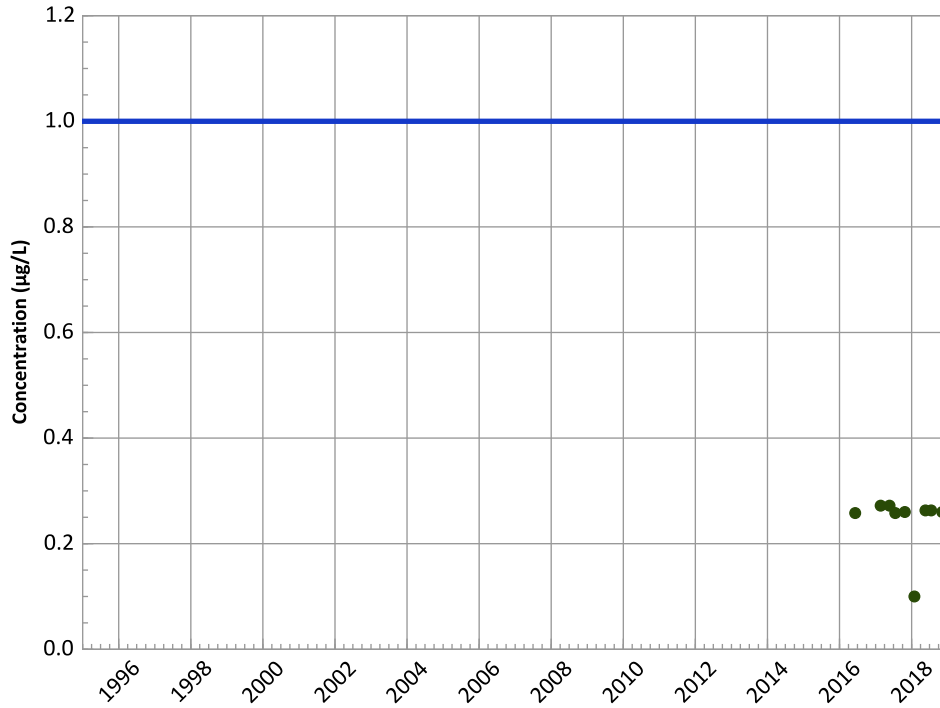


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

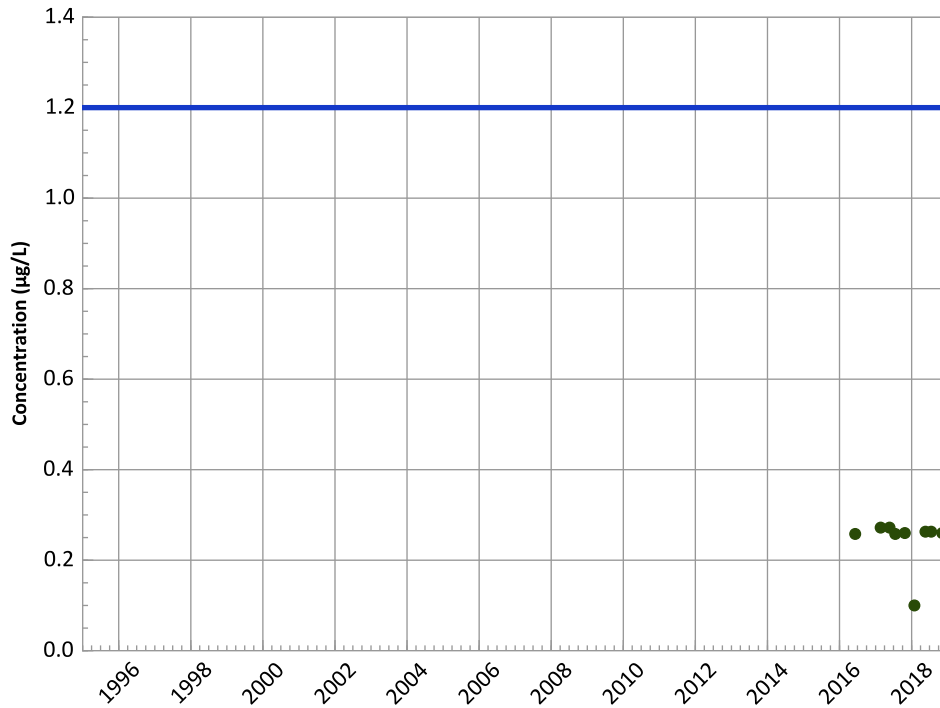


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

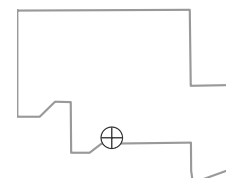


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

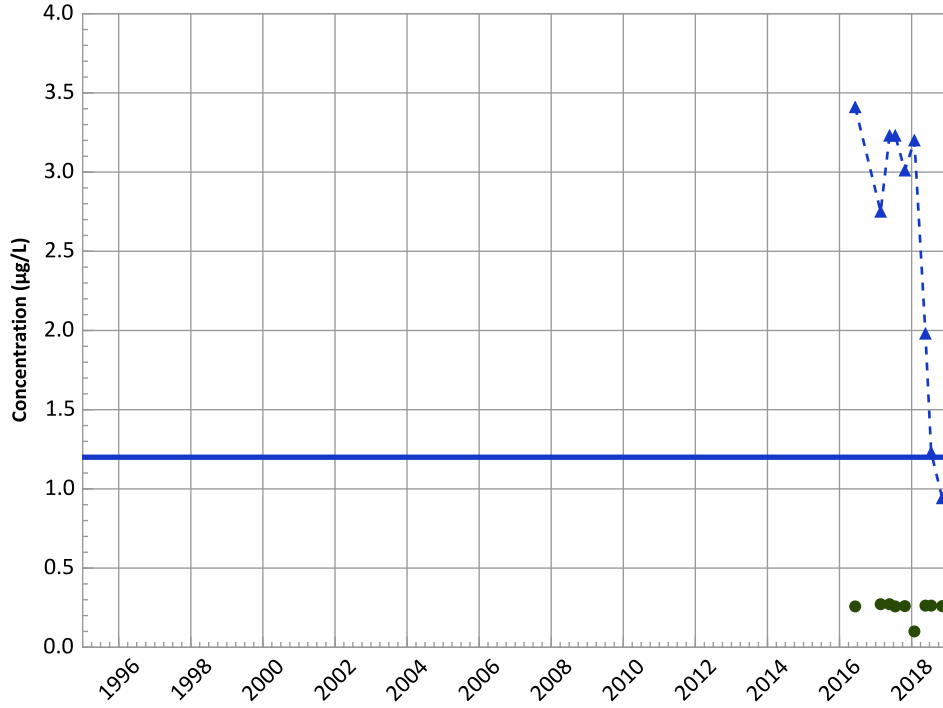


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

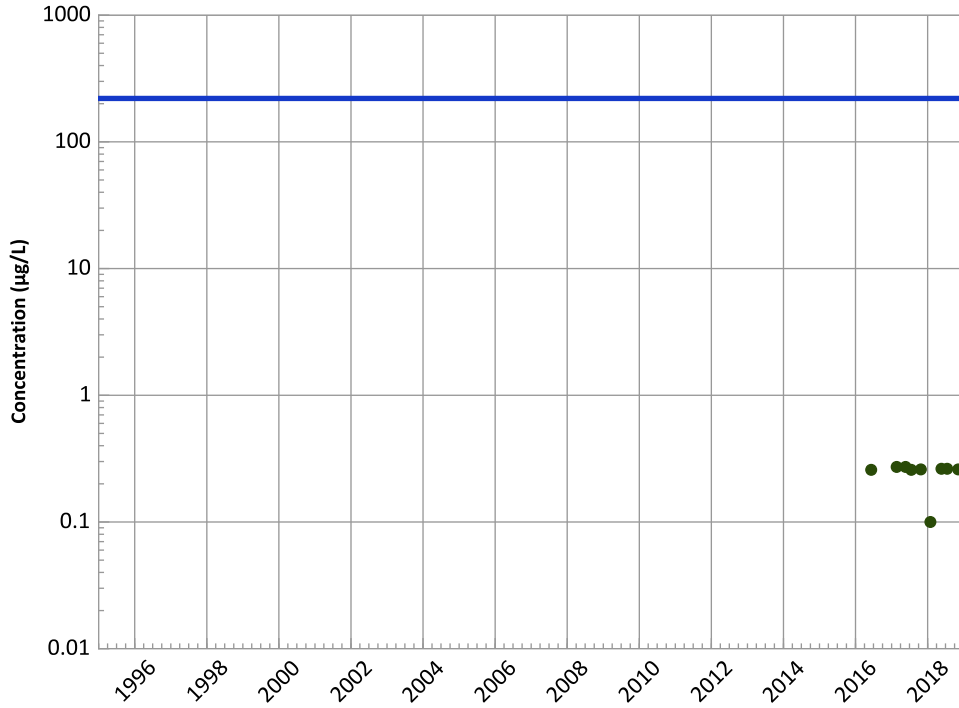


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

1,3,5-Trinitrobenzene Trend

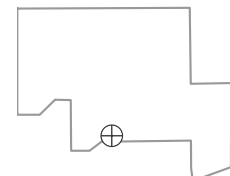


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

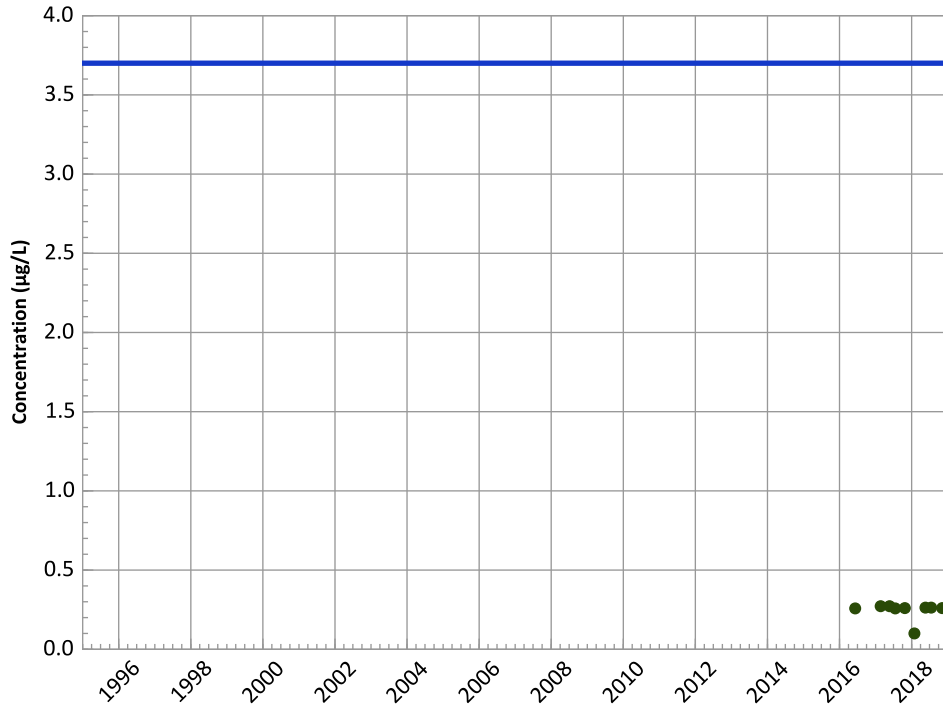
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**

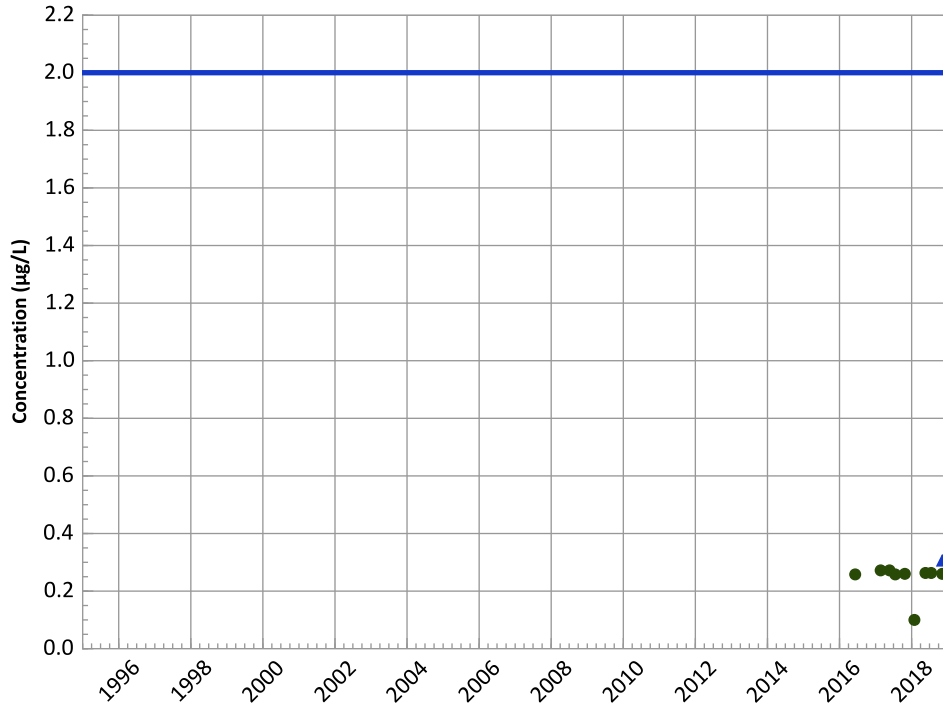


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

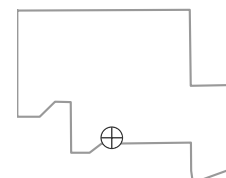
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

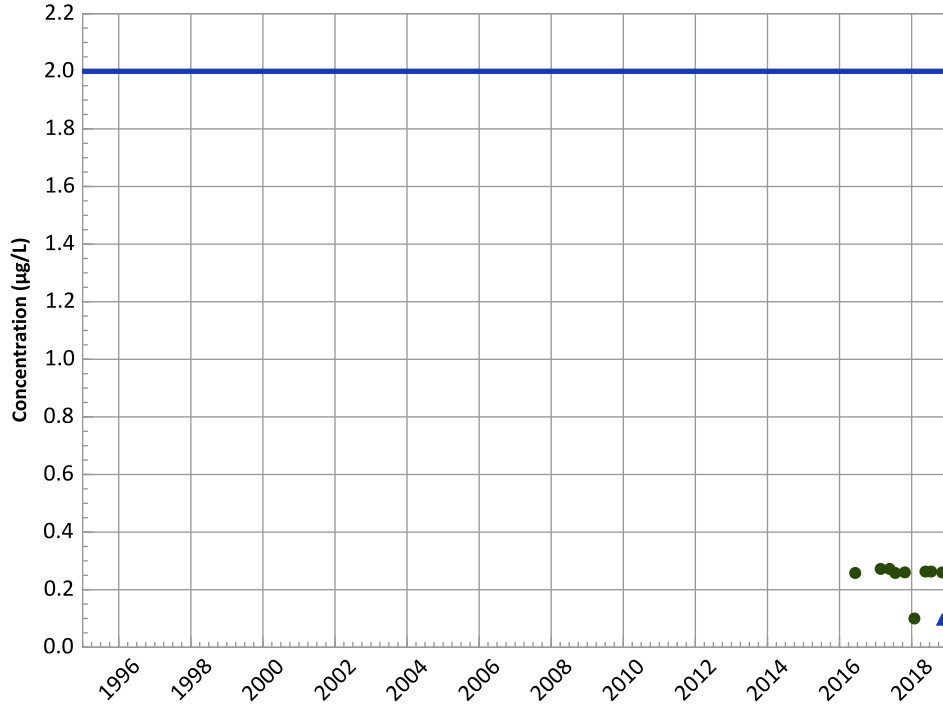
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

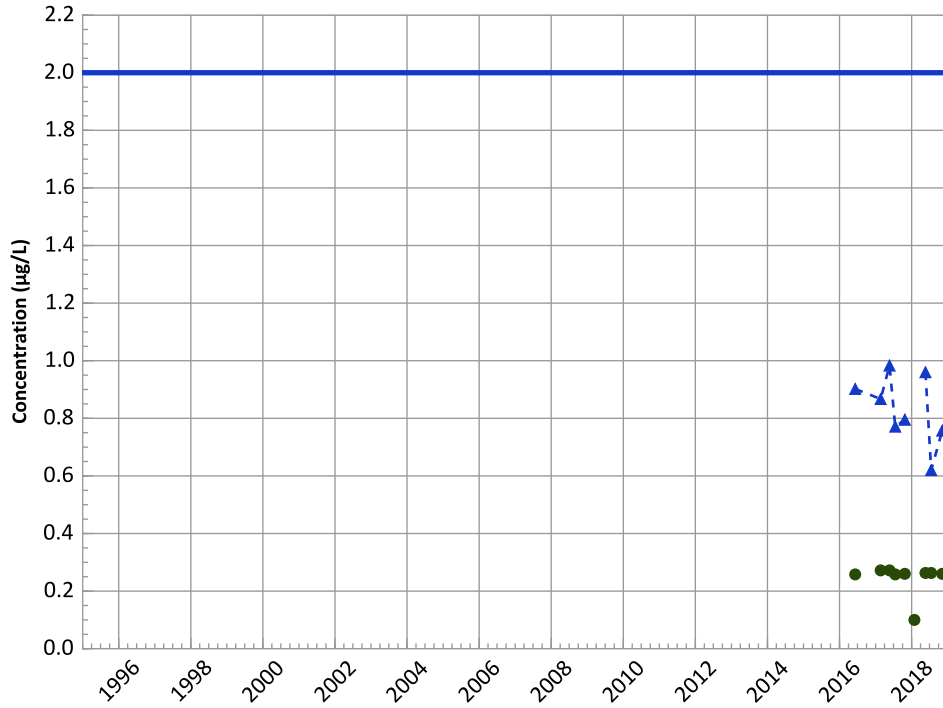
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

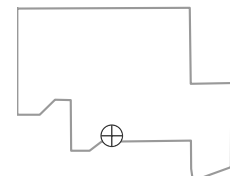
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Stable

Well Location

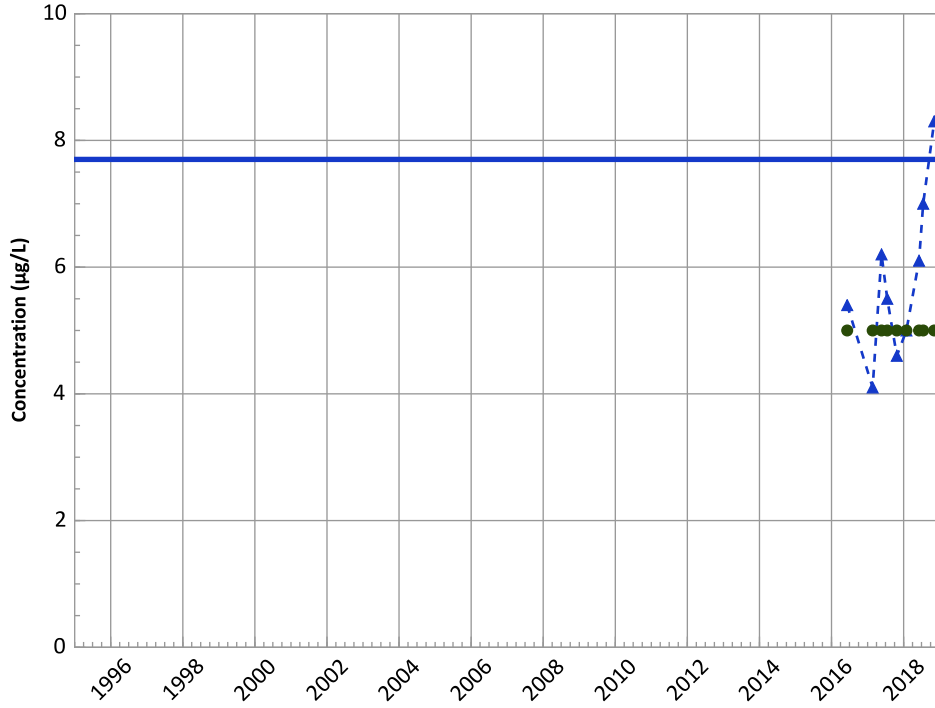


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

1,4-Dioxane (p-Dioxane) Trend

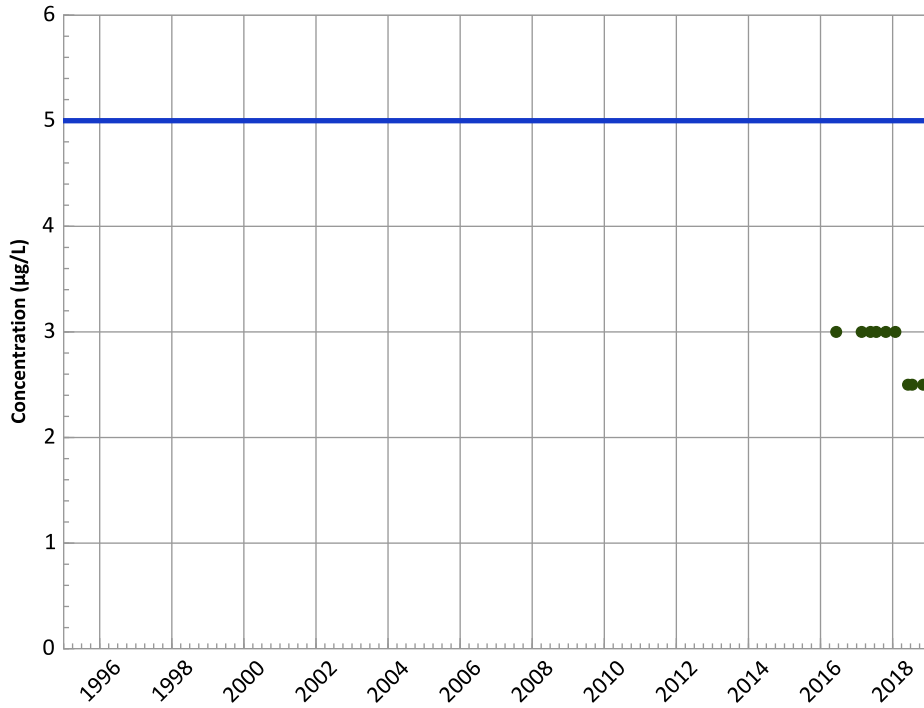


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Increasing

Tetrachloroethylene (PCE) Trend

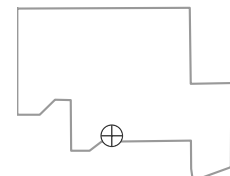


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

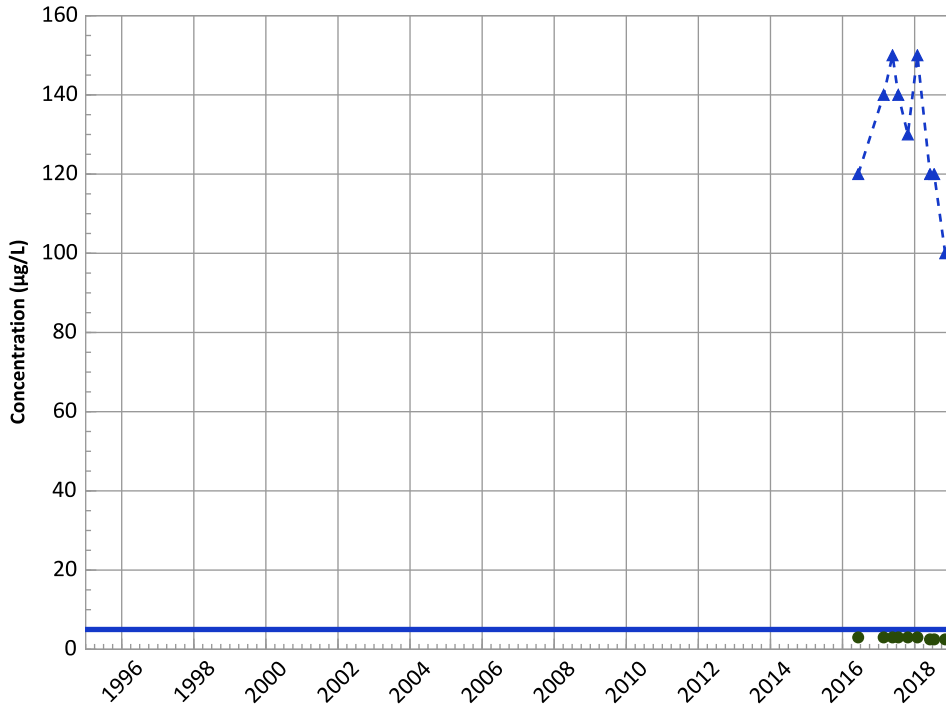


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

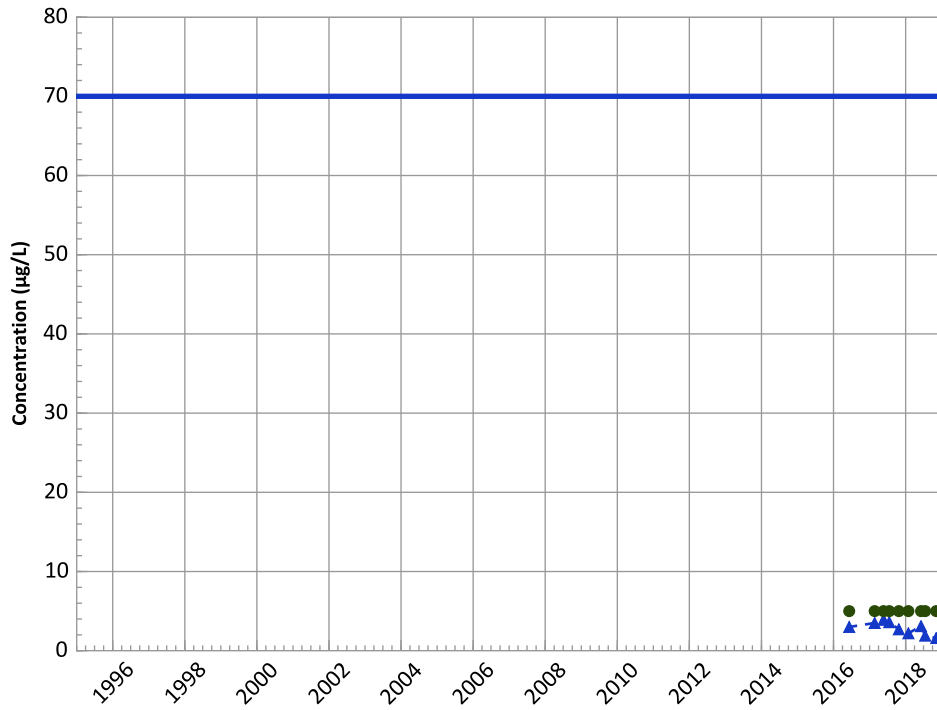


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

cis-1,2-Dichloroethene Trend



Concentration Trend

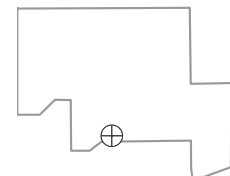
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

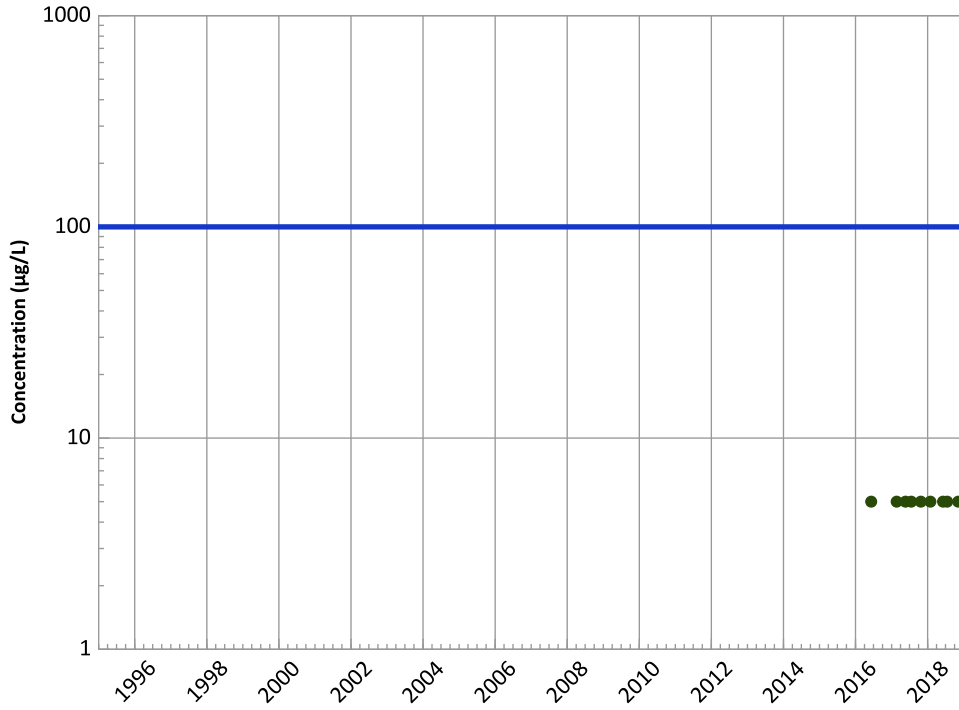
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

trans-1,2-Dichloroethene Trend

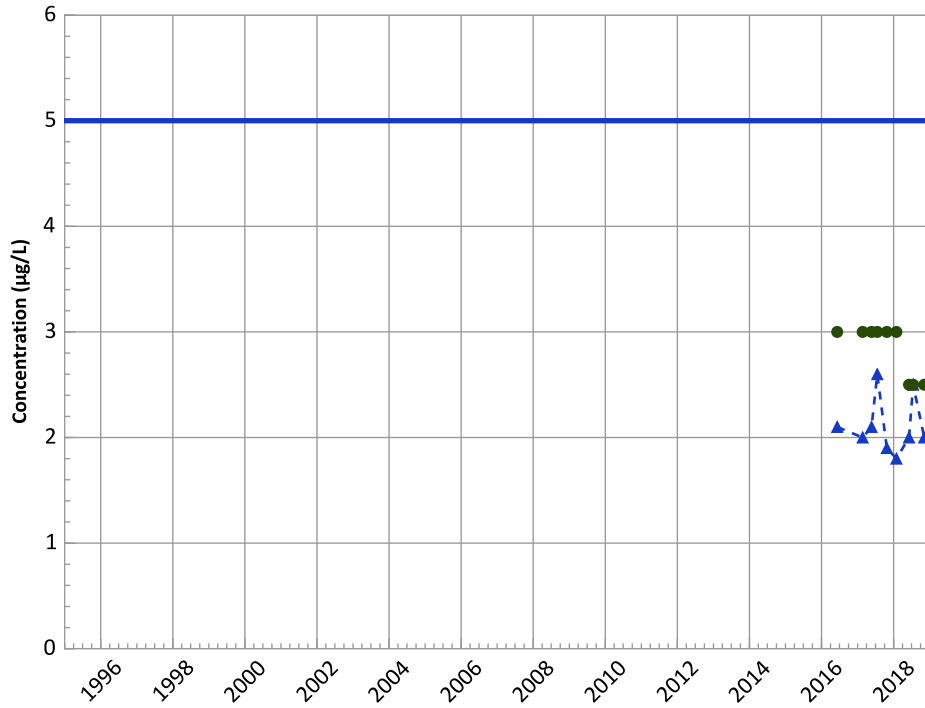


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

1,2-Dichloroethane Trend

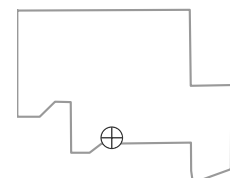


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

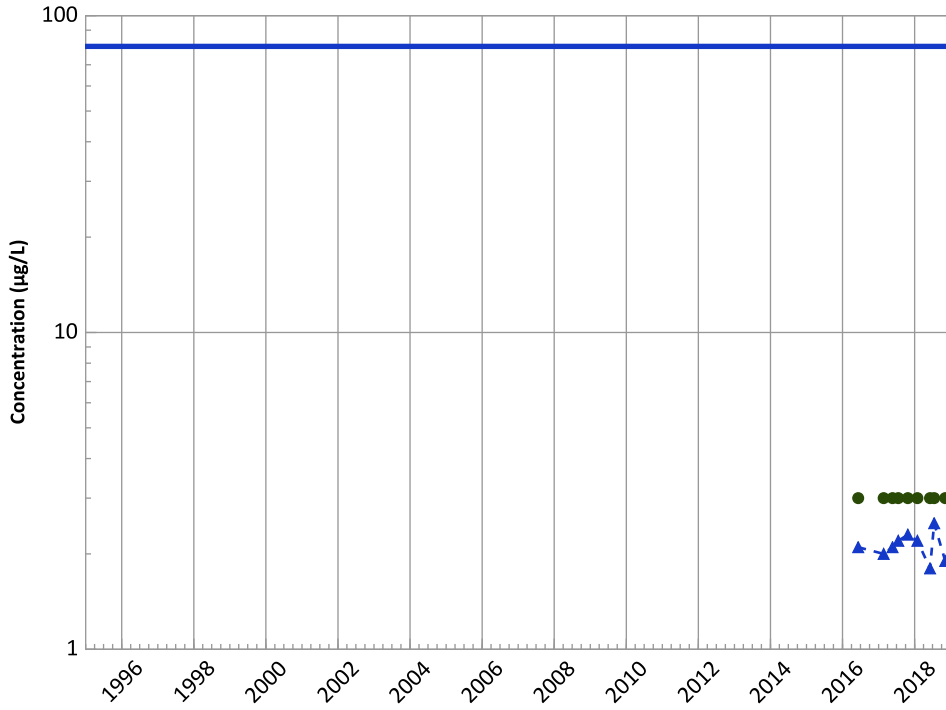
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

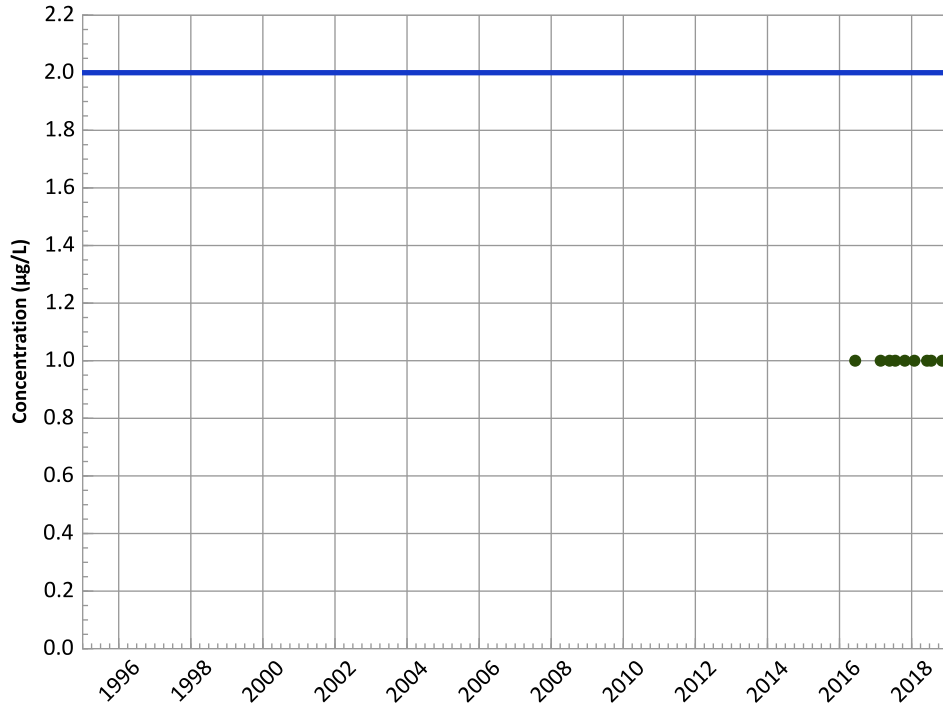


Concentration Trend

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 Detections in Dataset)
All Data:
Stable

Vinyl Chloride Trend

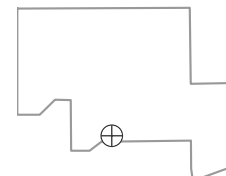


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

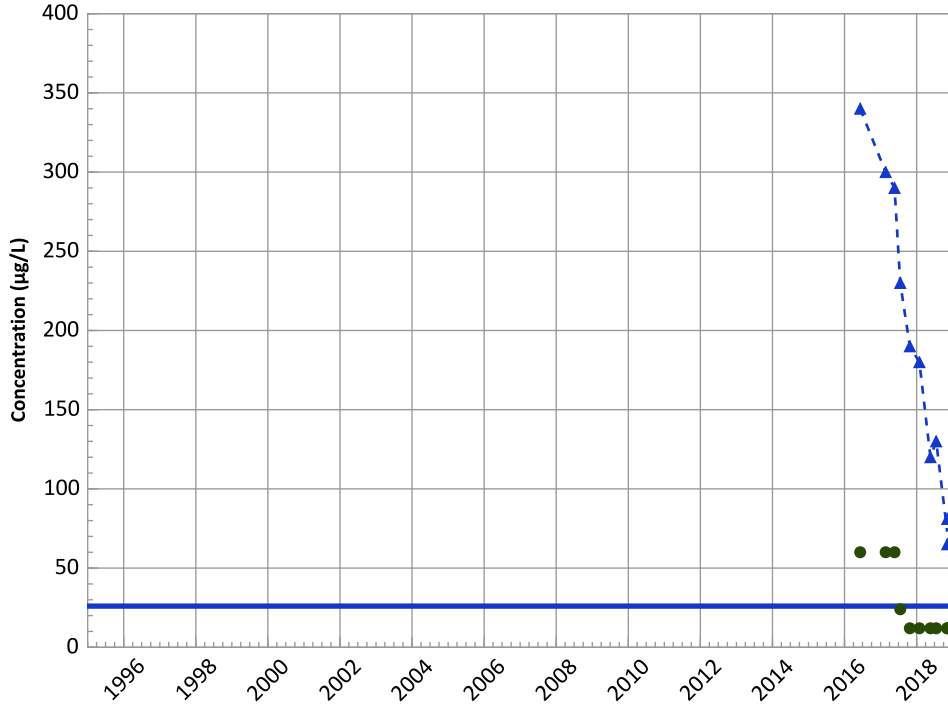


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend

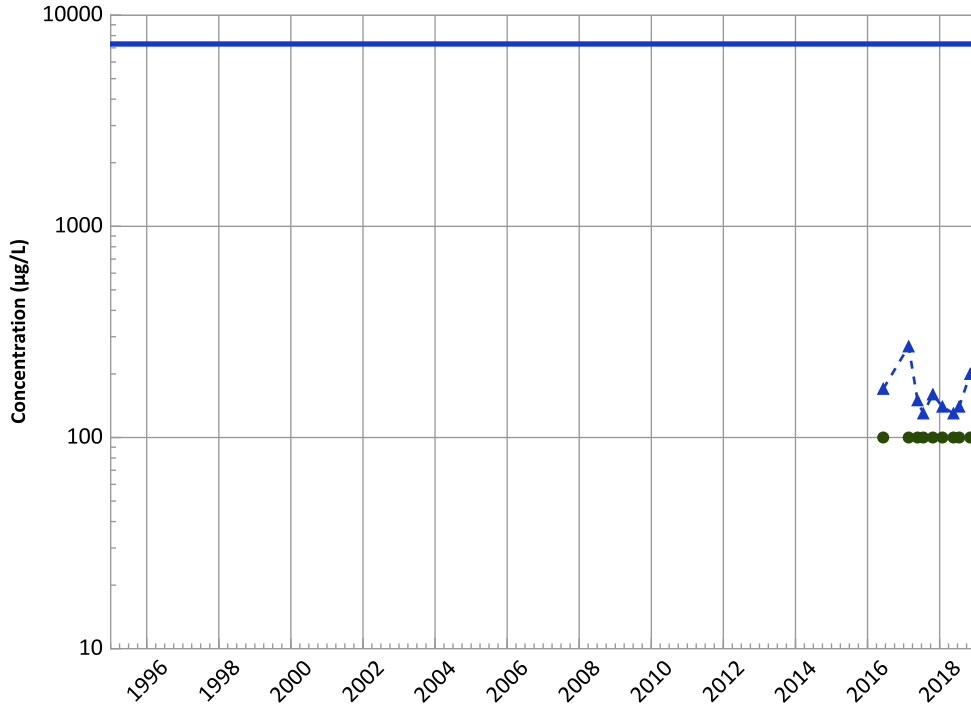


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Boron Trend

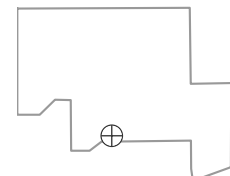


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

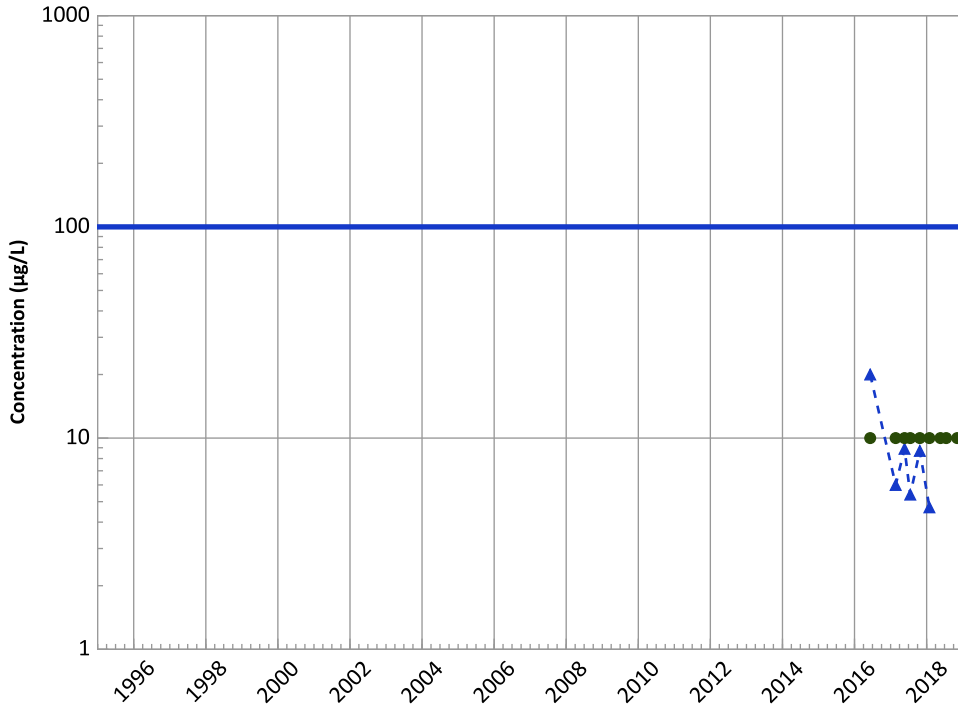
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**

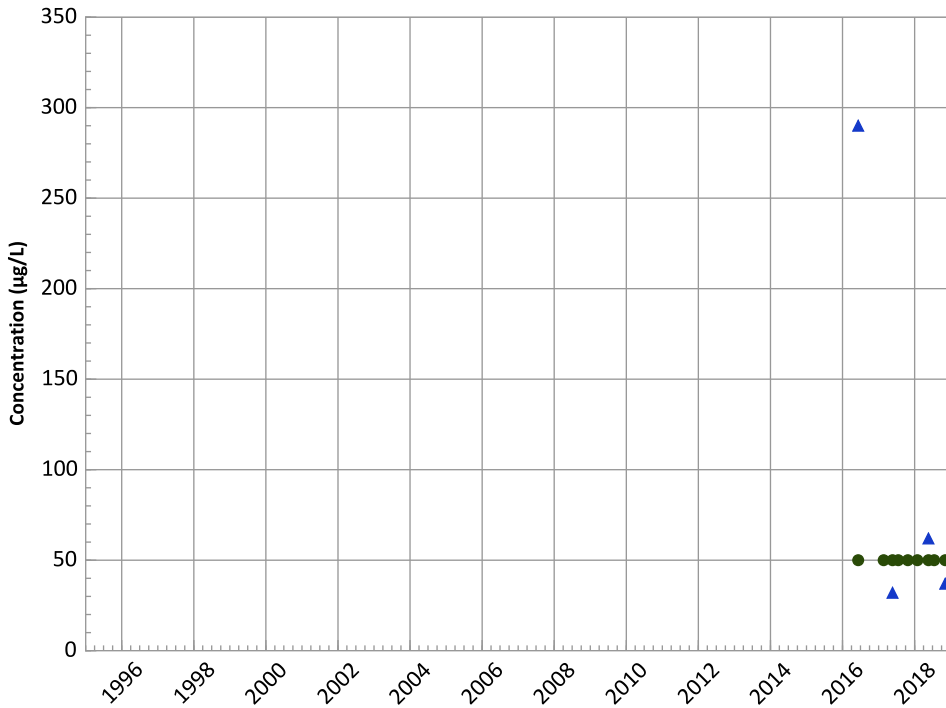


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Aluminum Trend

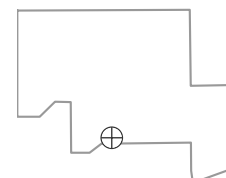


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Well Location

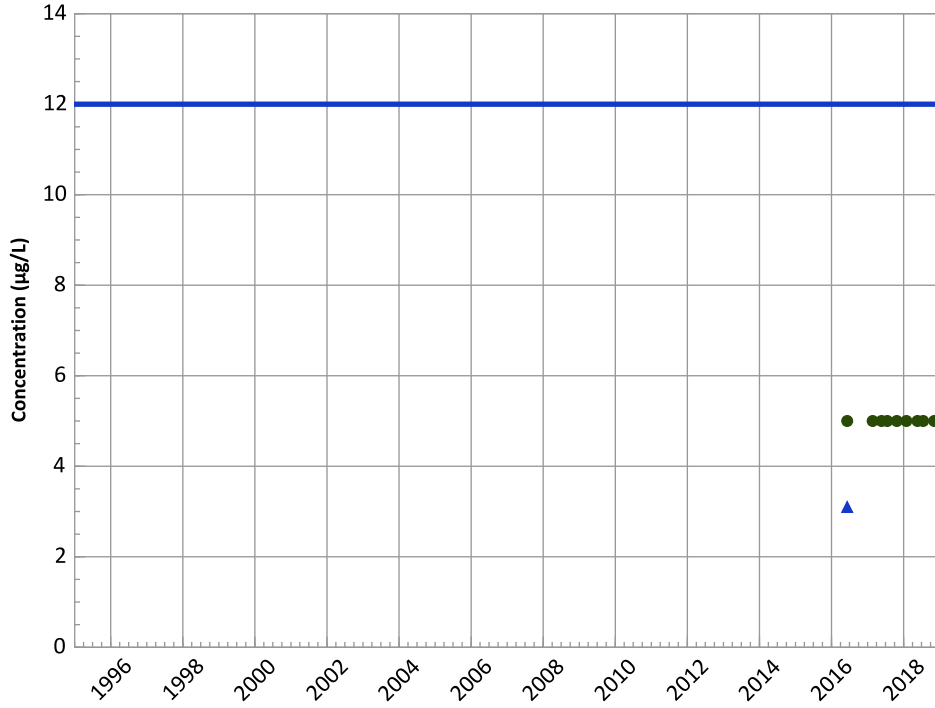


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend

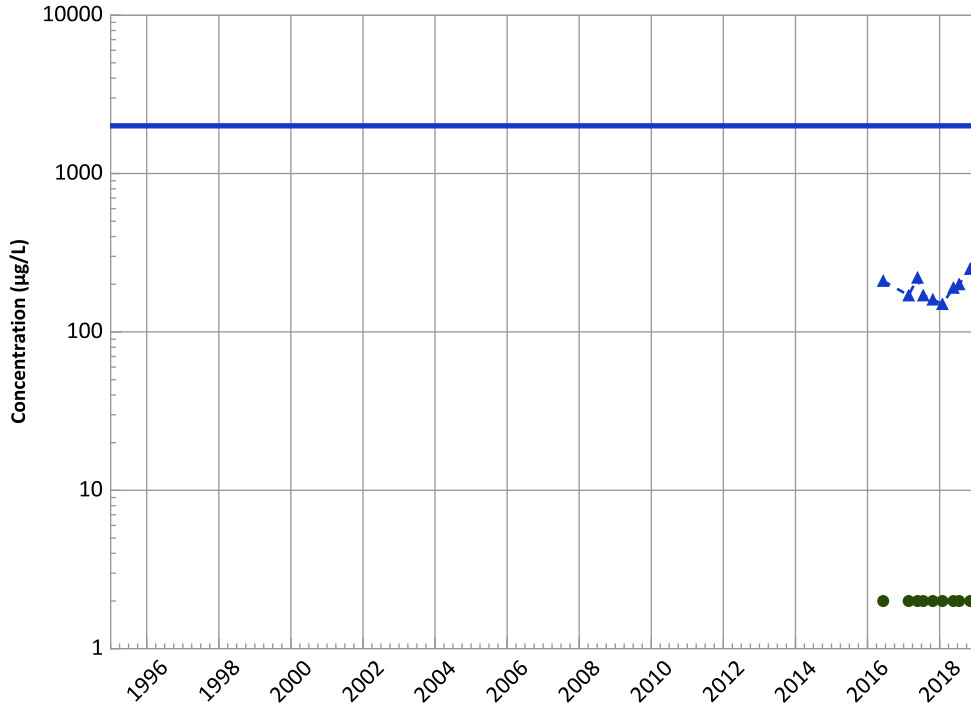


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Barium Trend

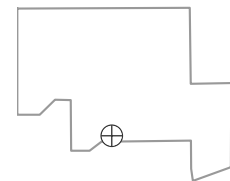


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Well Location

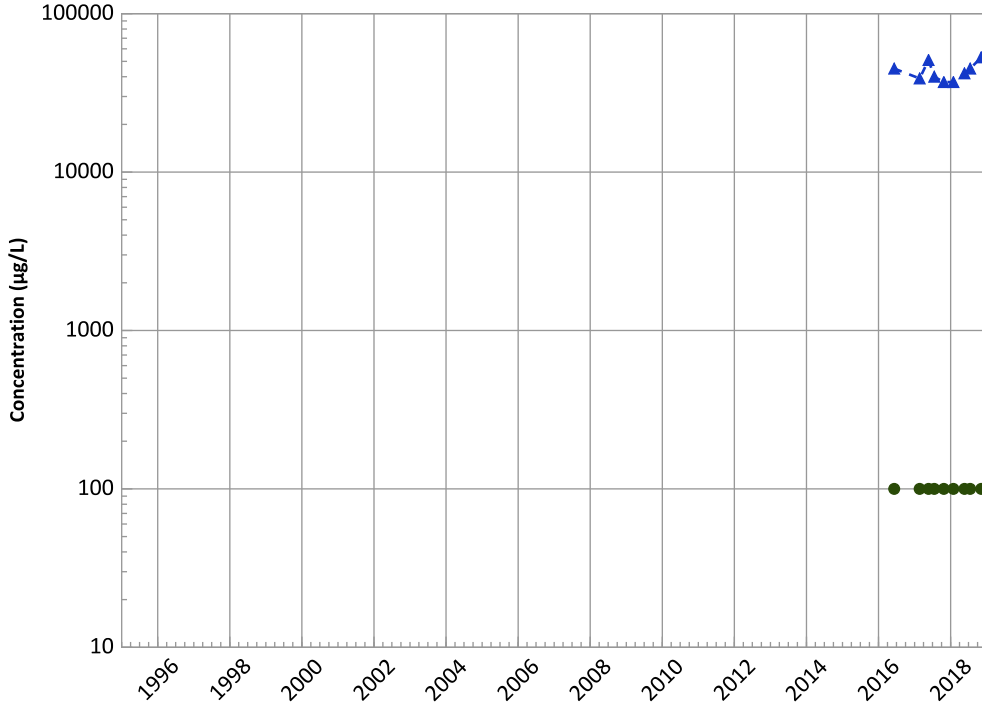


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Calcium Trend

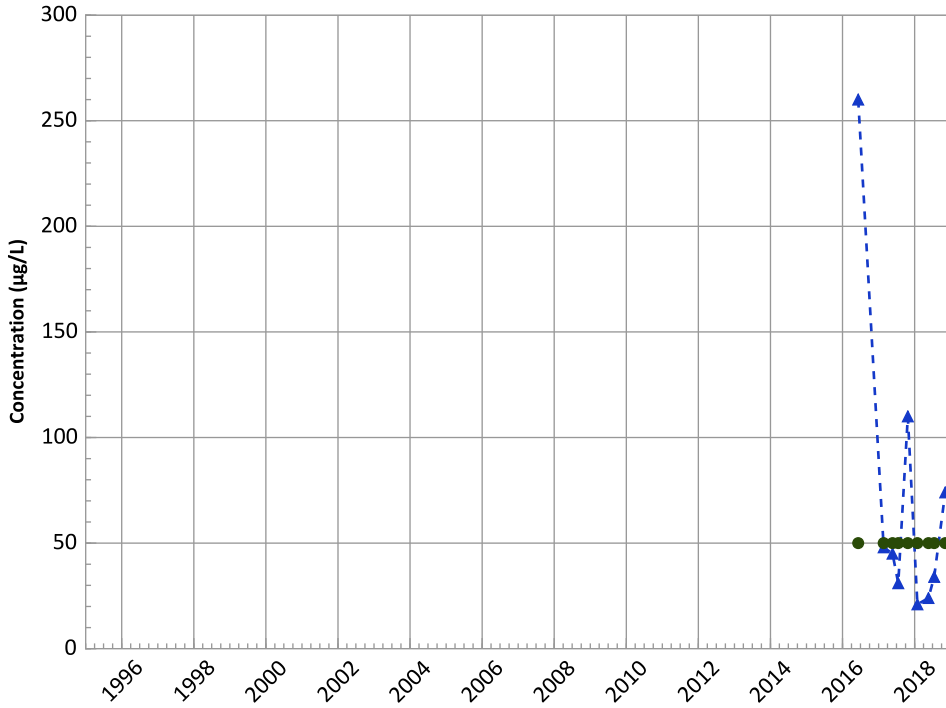


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Iron Trend

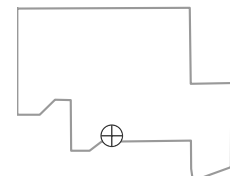


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Well Location

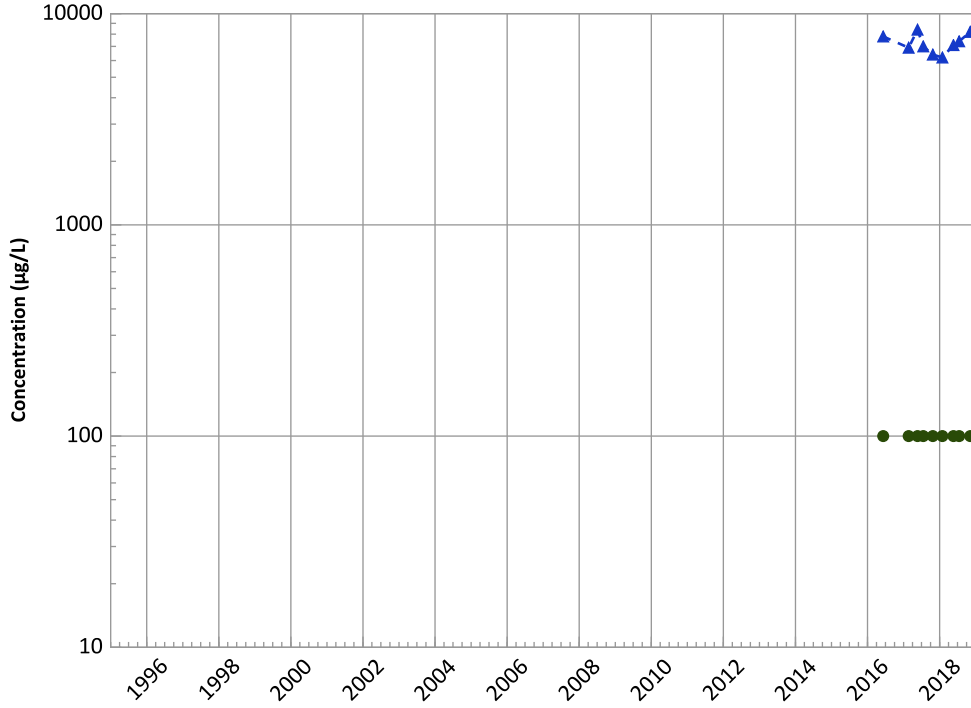


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Potassium Trend

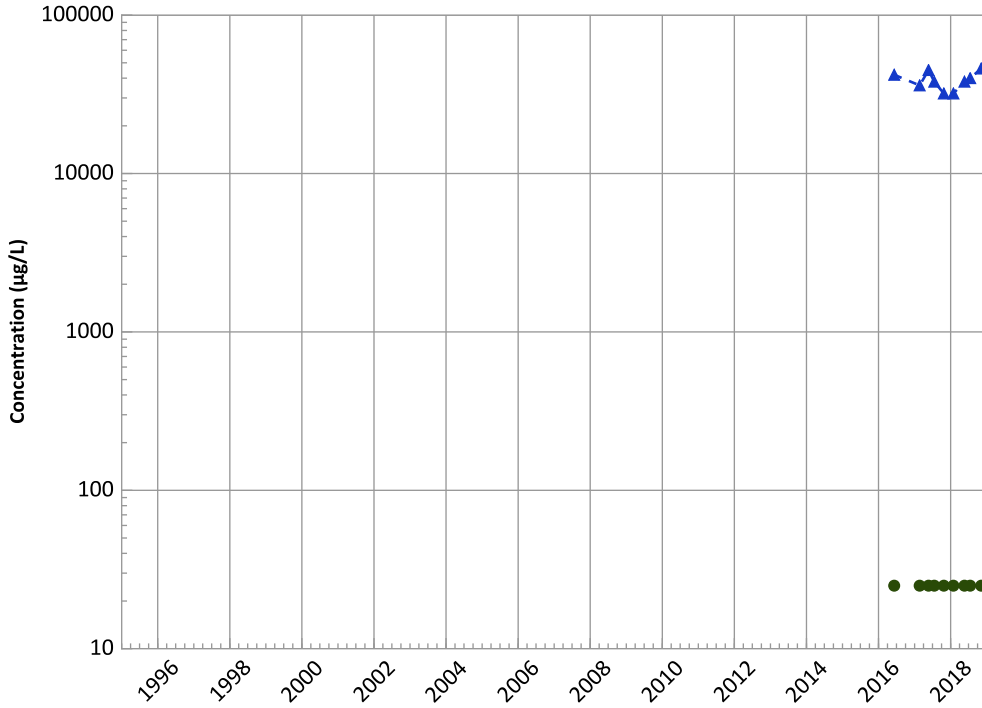


Concentration Trend

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 Detections in Dataset)
All Data:
Stable

Magnesium Trend

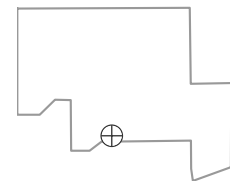


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Well Location

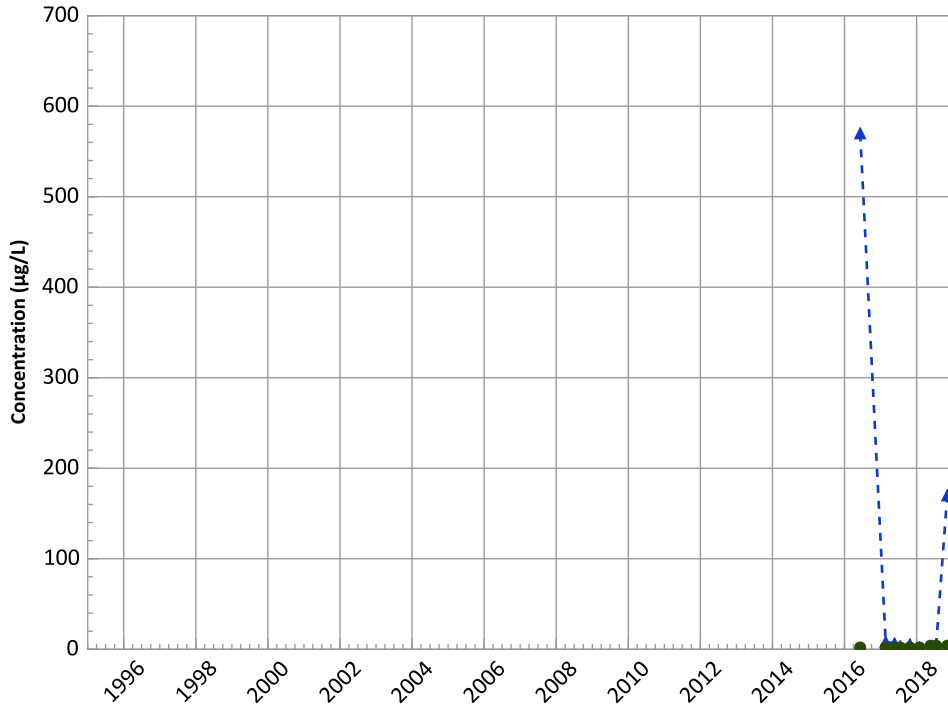


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

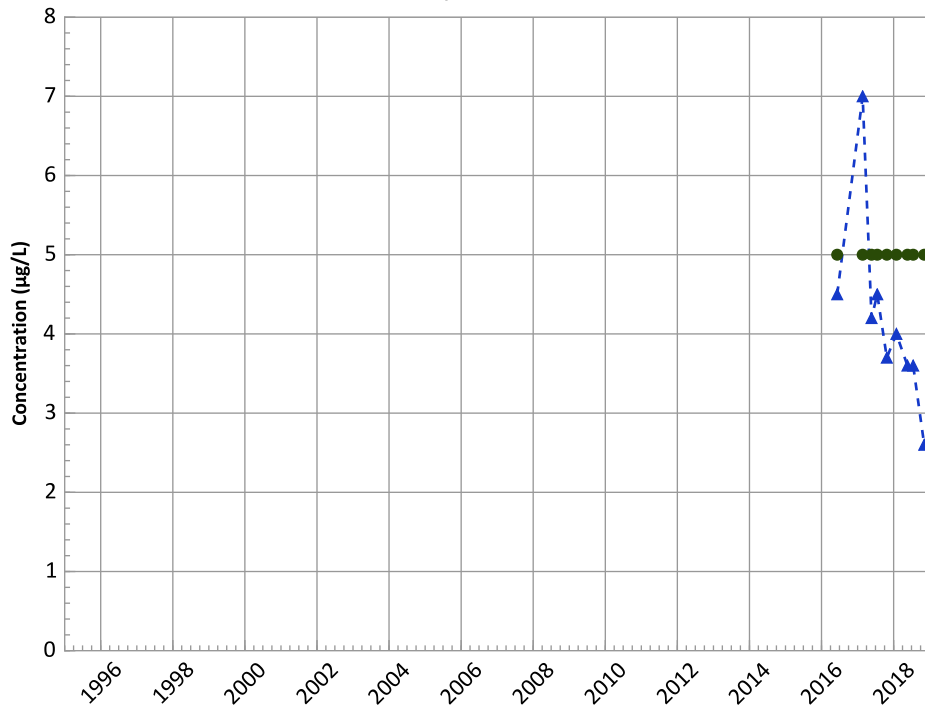
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

No Trend

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

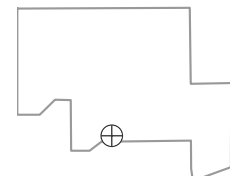
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

Well Location

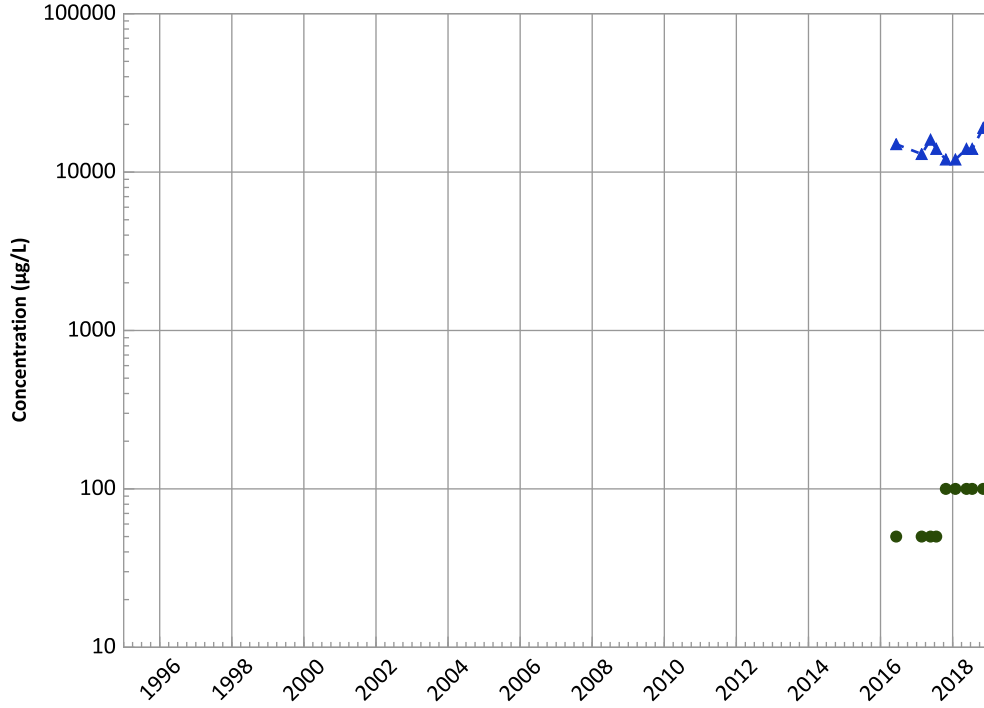


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Sodium Trend

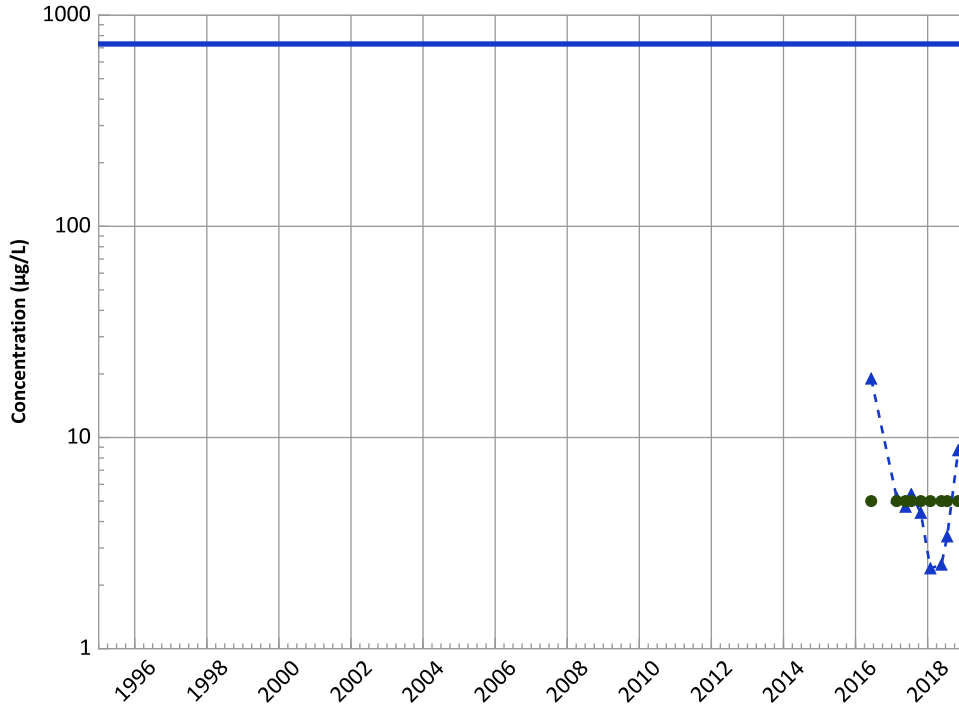


Concentration Trend

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 Detections in Dataset)
All Data:
No Trend

Nickel Trend

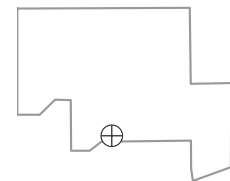


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

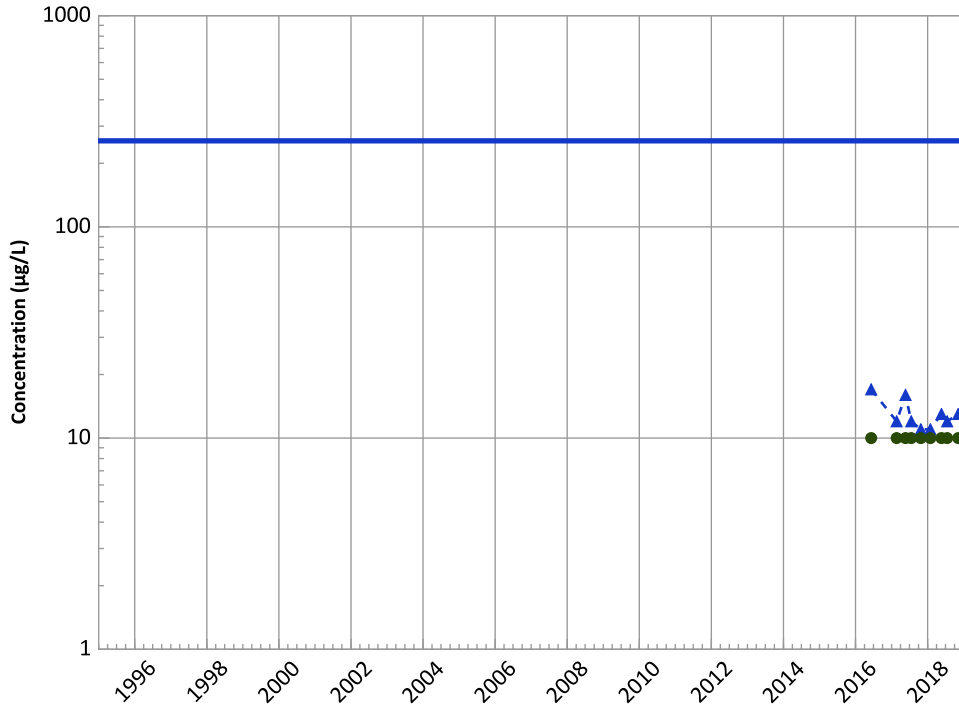
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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

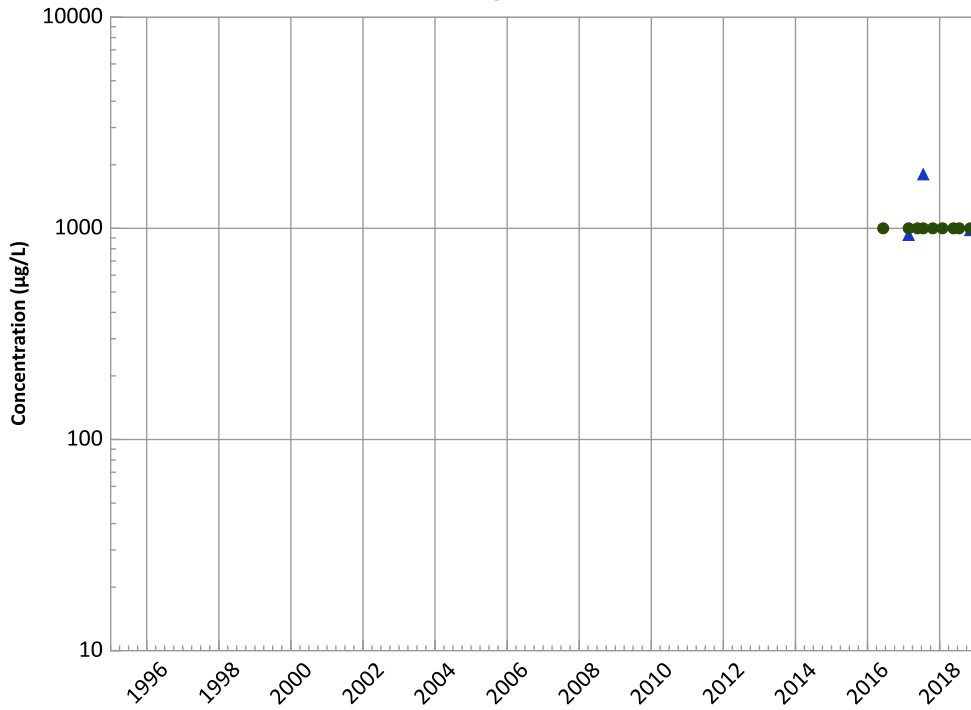


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Total Organic Carbon Trend

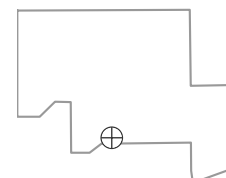


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

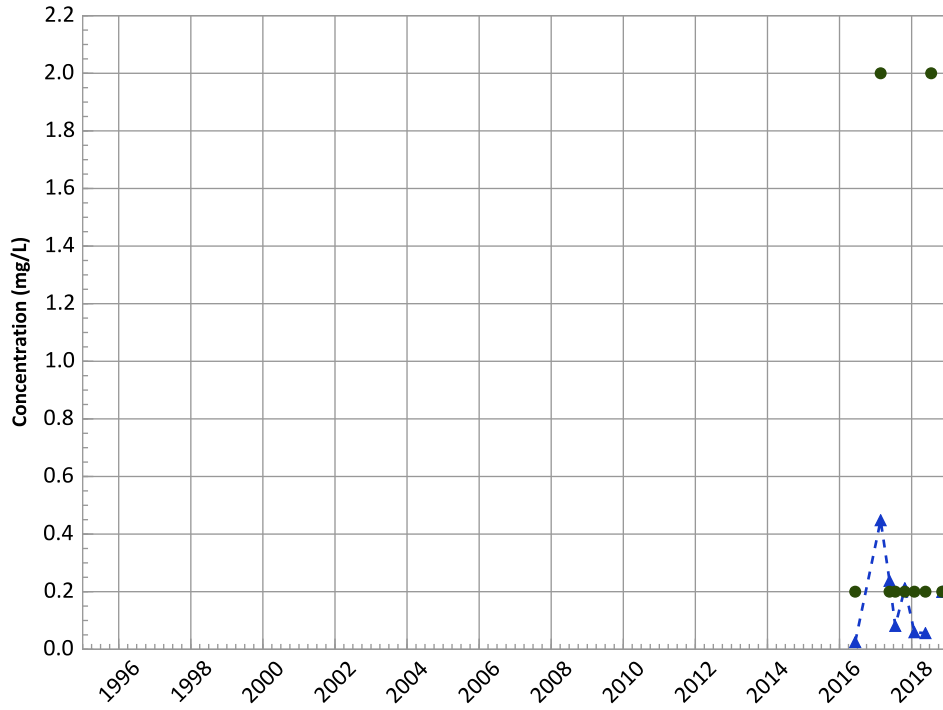


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1175 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Volatile Fatty Acids Trend



Concentration Trend

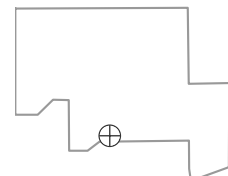
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

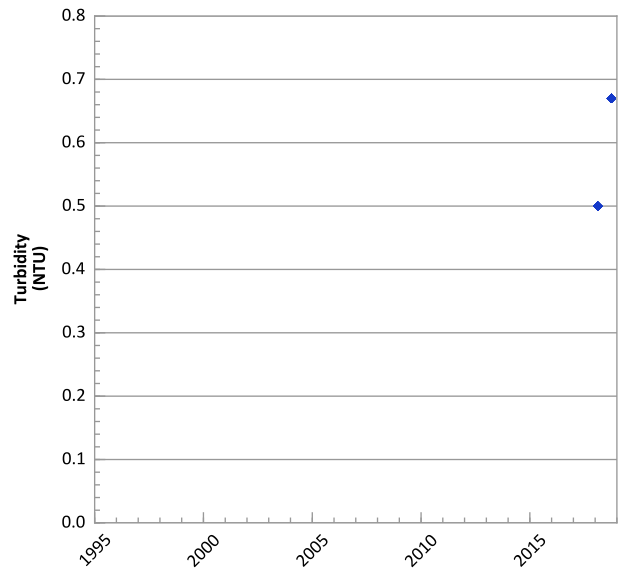
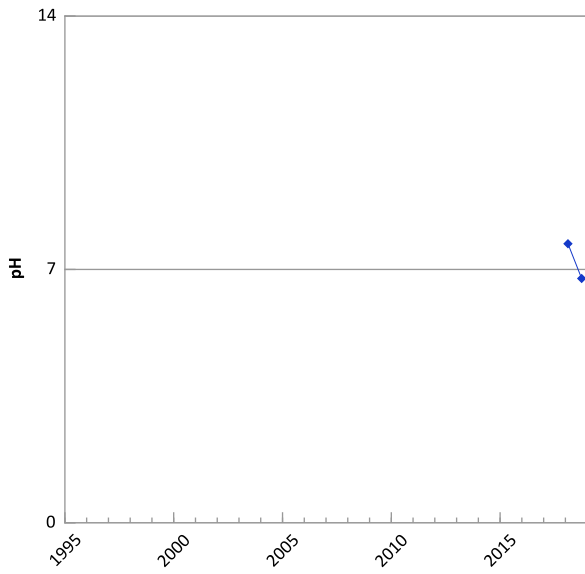
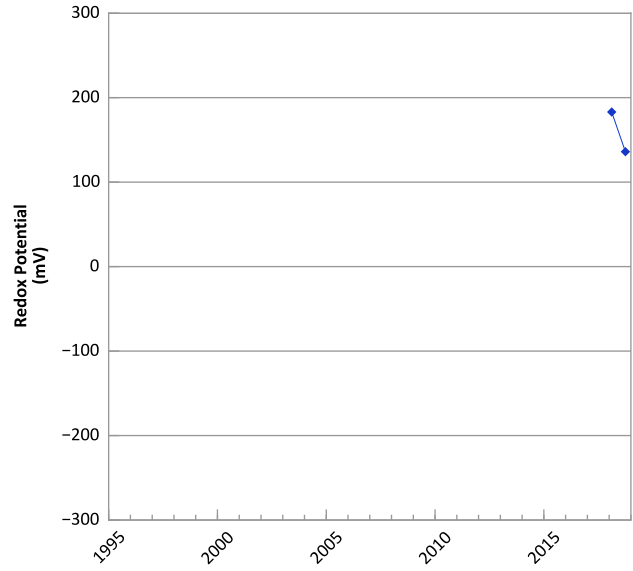
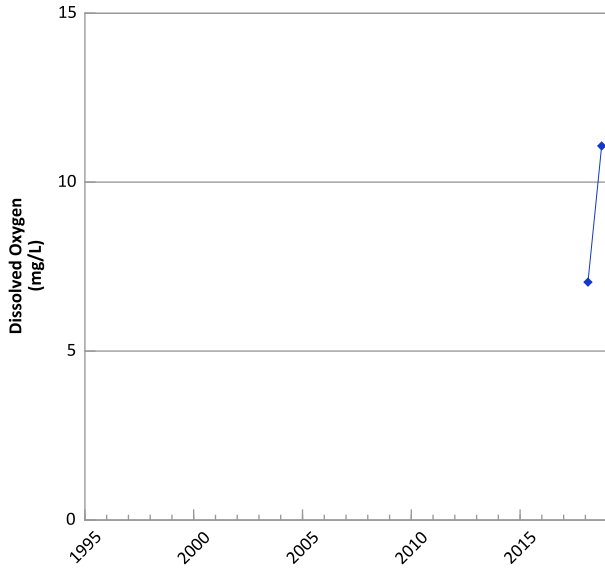
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/08/2016 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

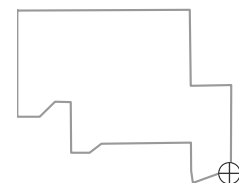


**PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



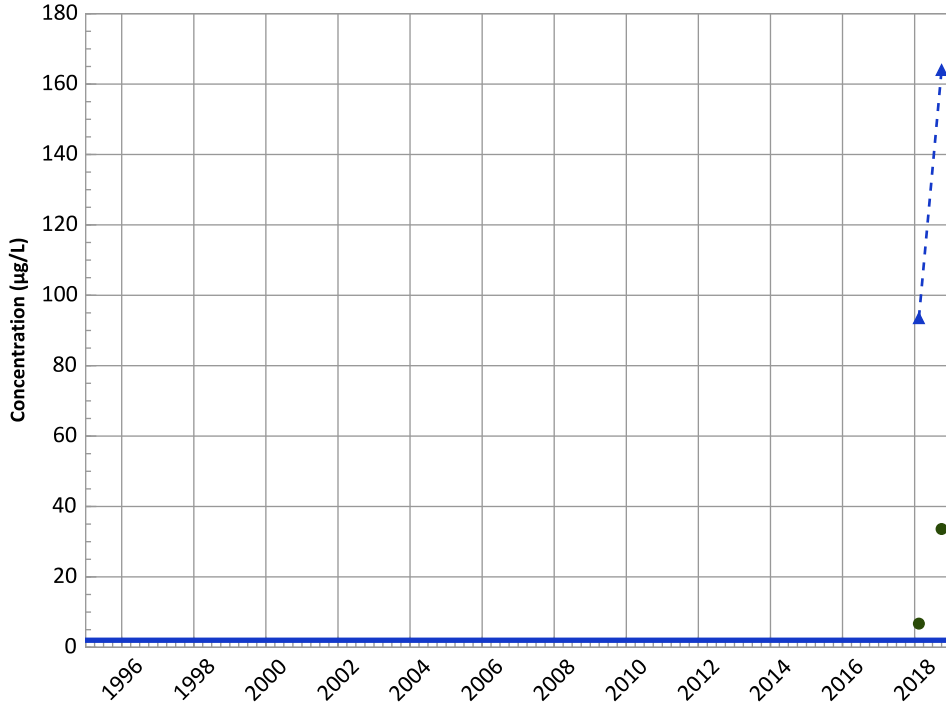
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 02/13/2018 to 10/01/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

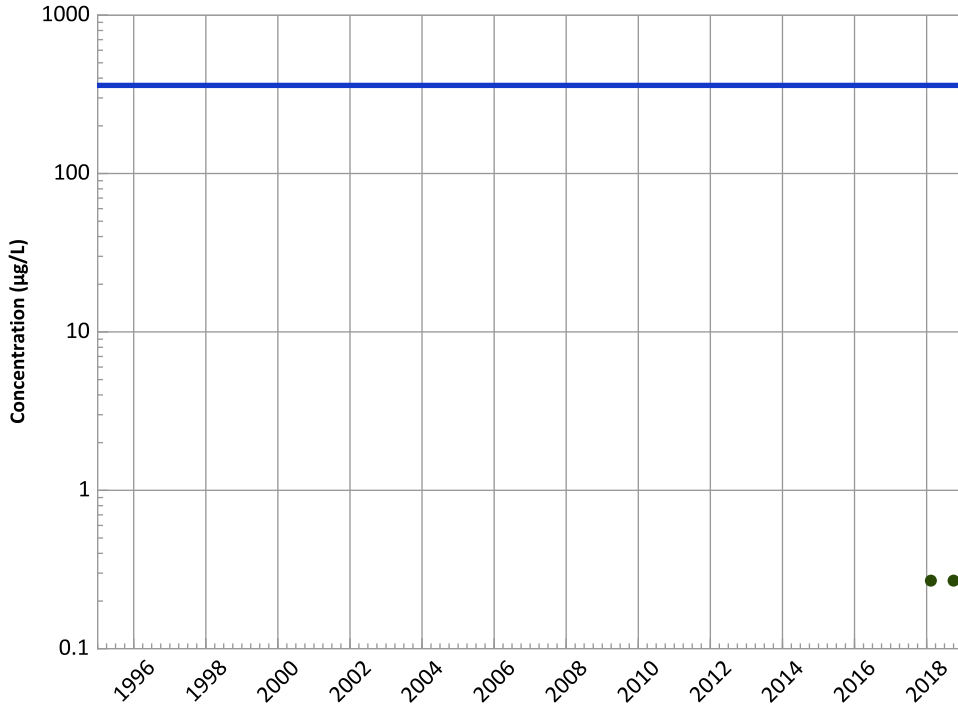
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

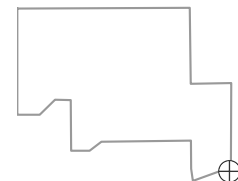
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

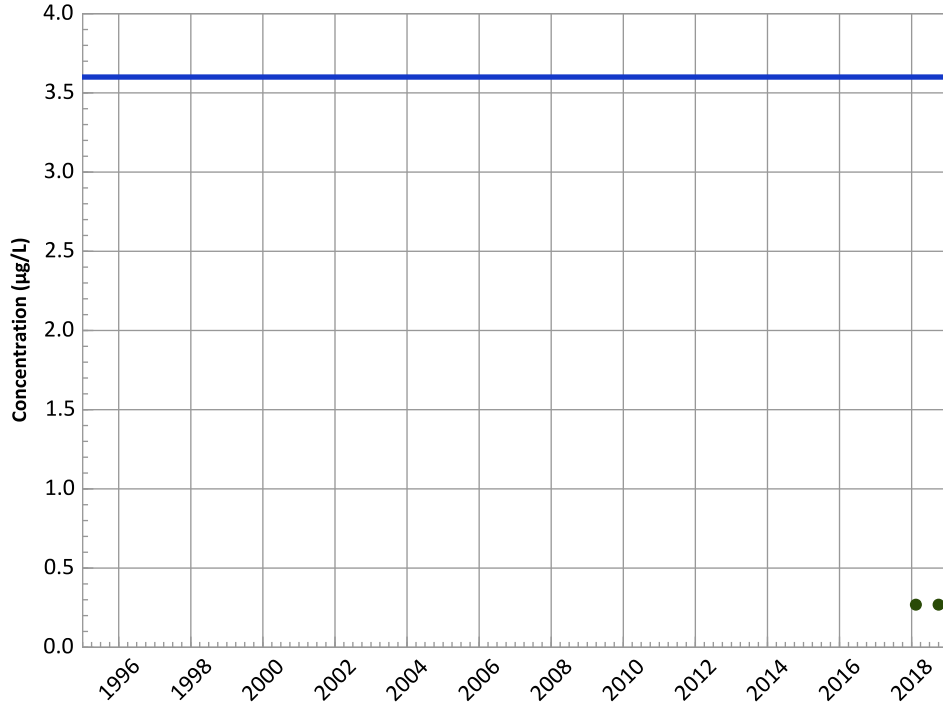


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend

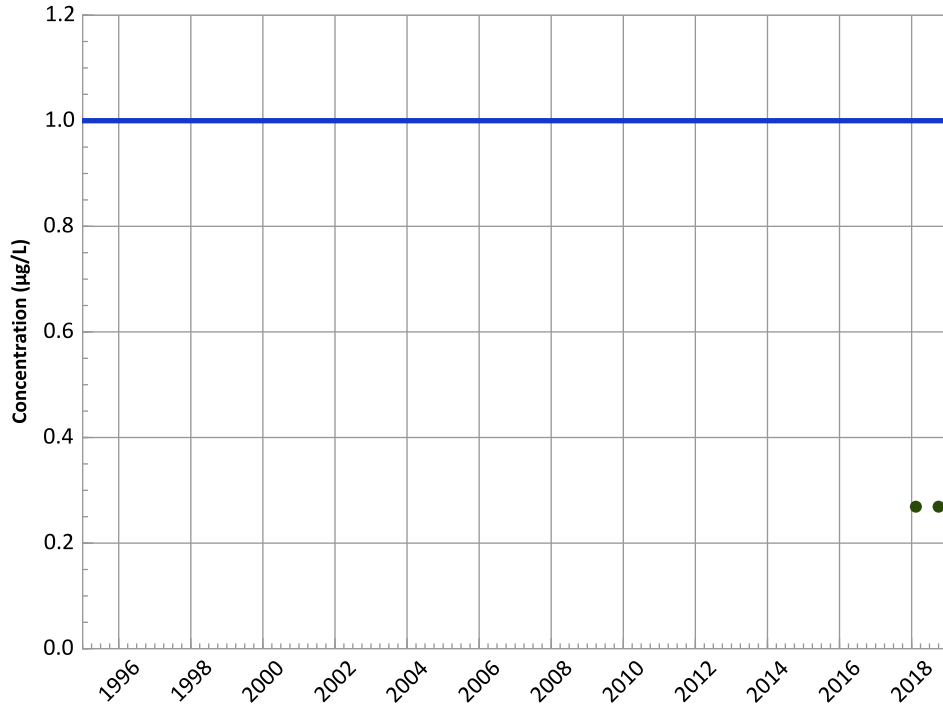


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2,4-Dinitrotoluene Trend

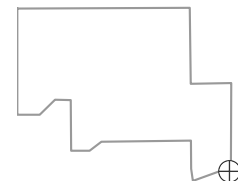


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

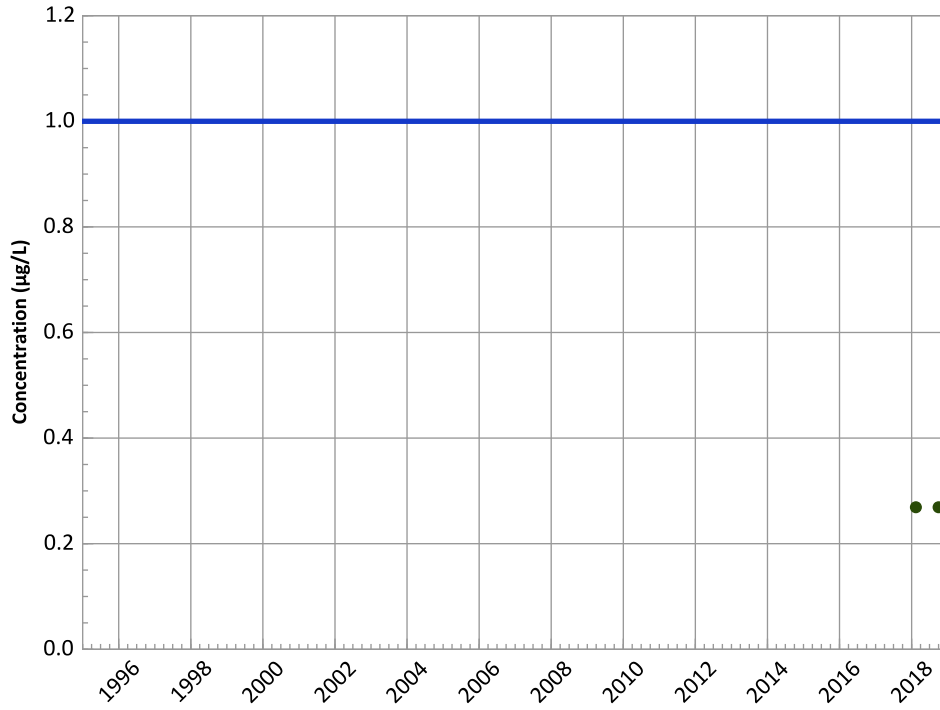


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

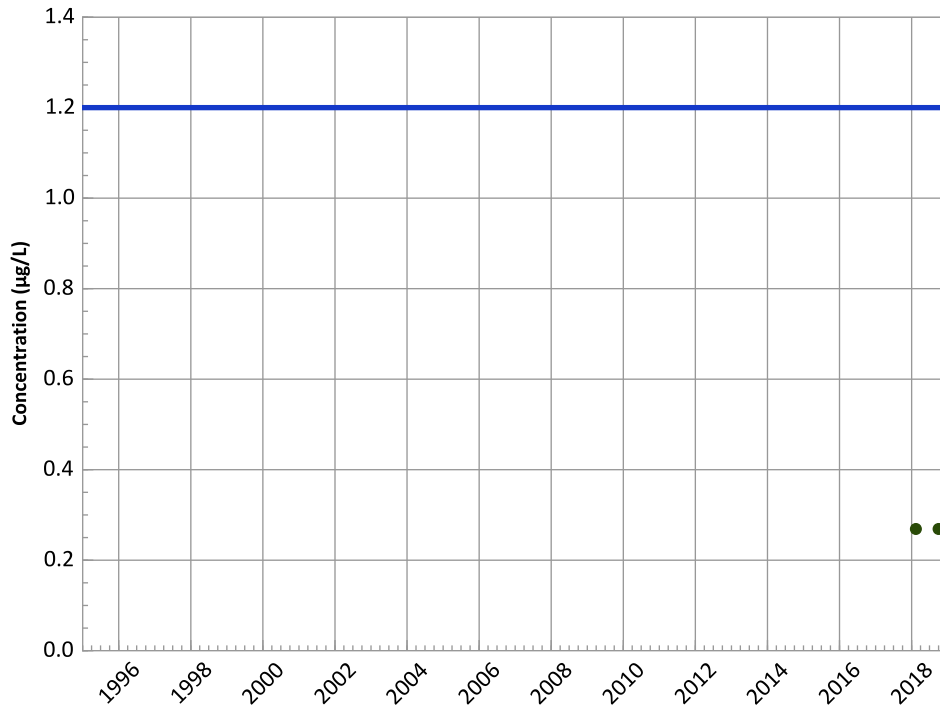


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

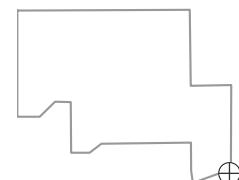


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

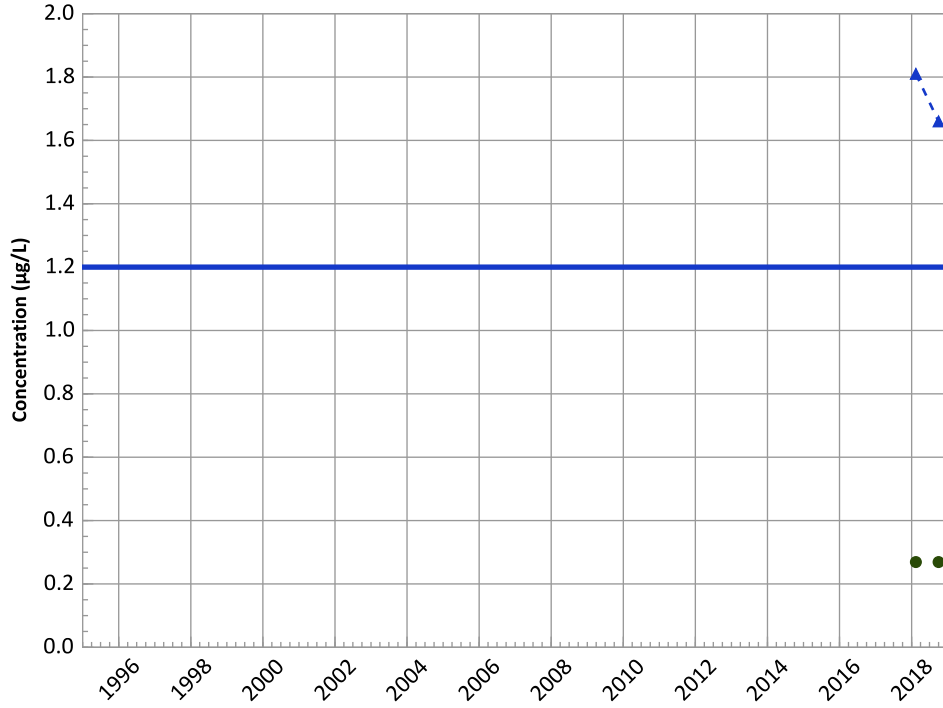


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

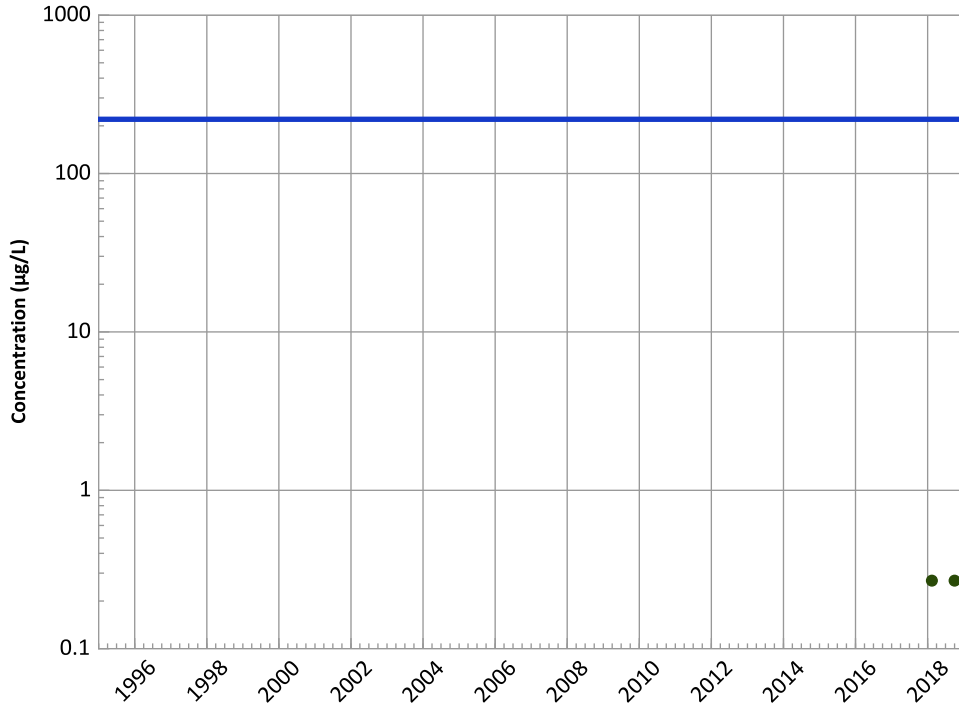
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

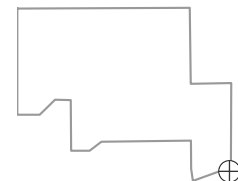
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

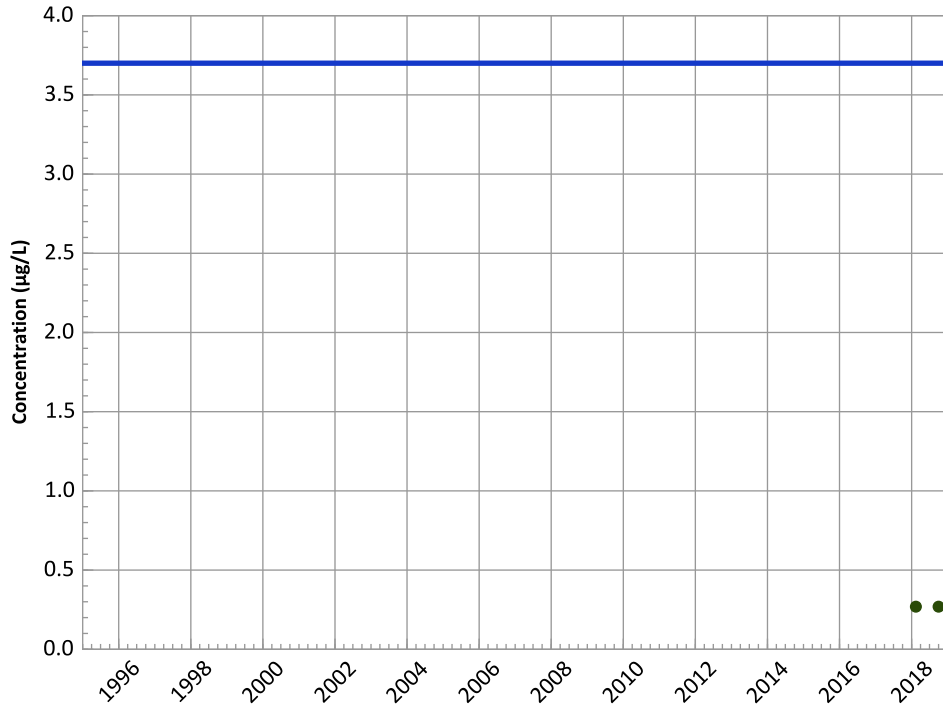
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**

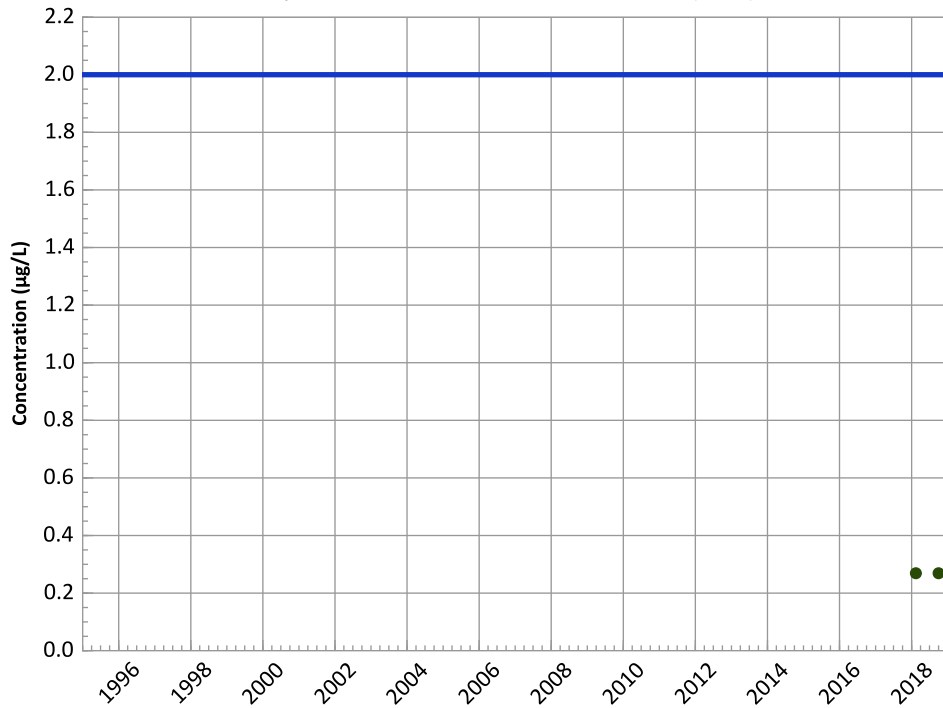


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend

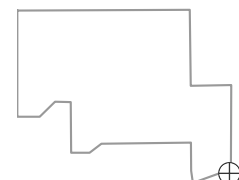


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

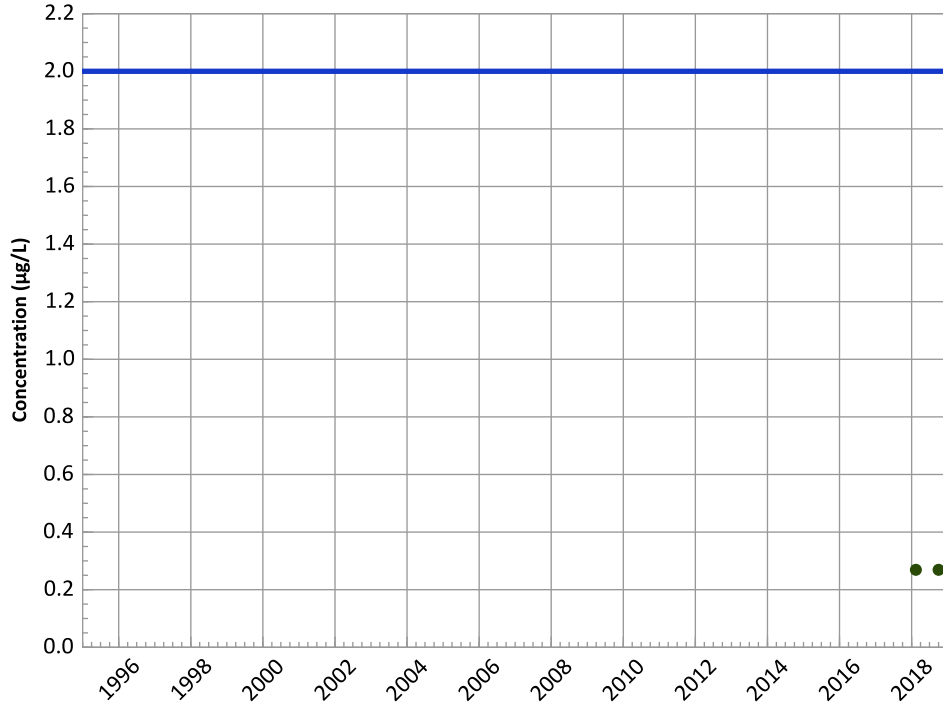


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

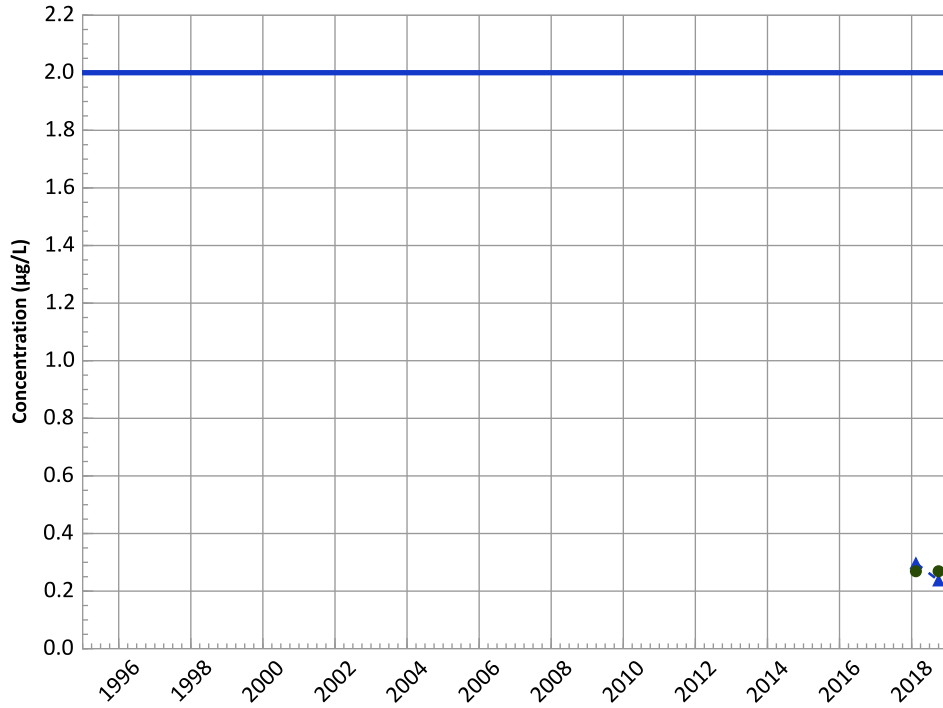
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

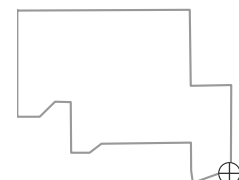
All Data:

N/A (<4 Detections in Dataset)

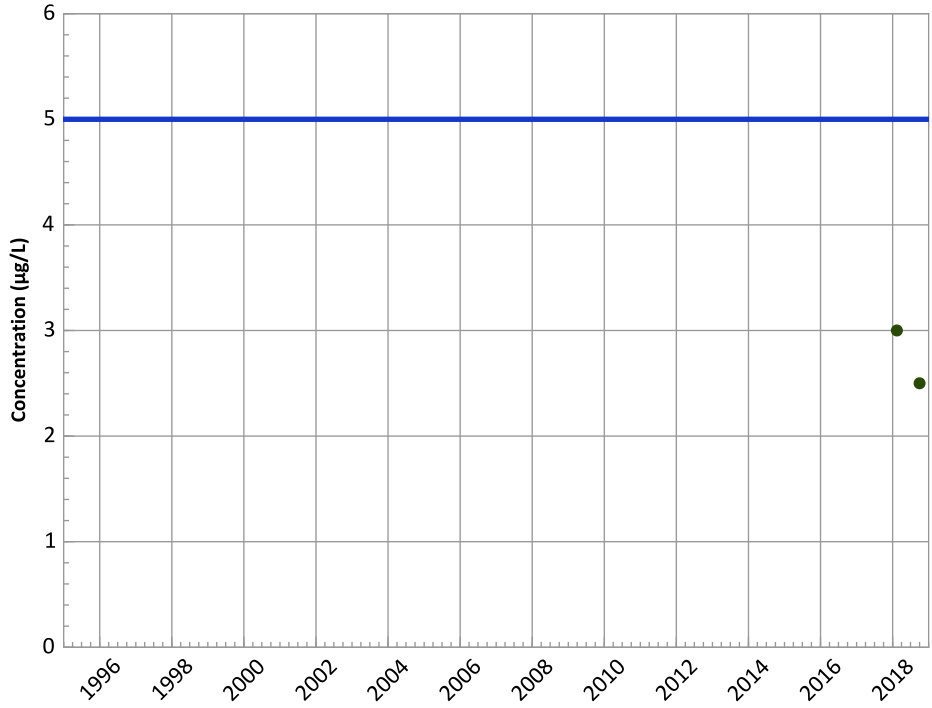
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

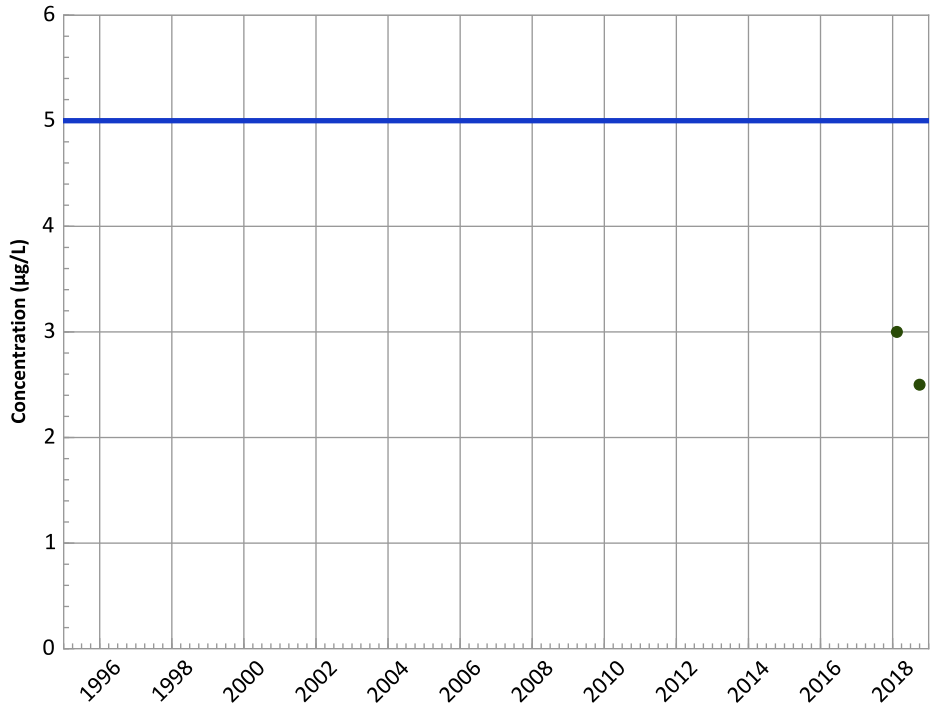


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

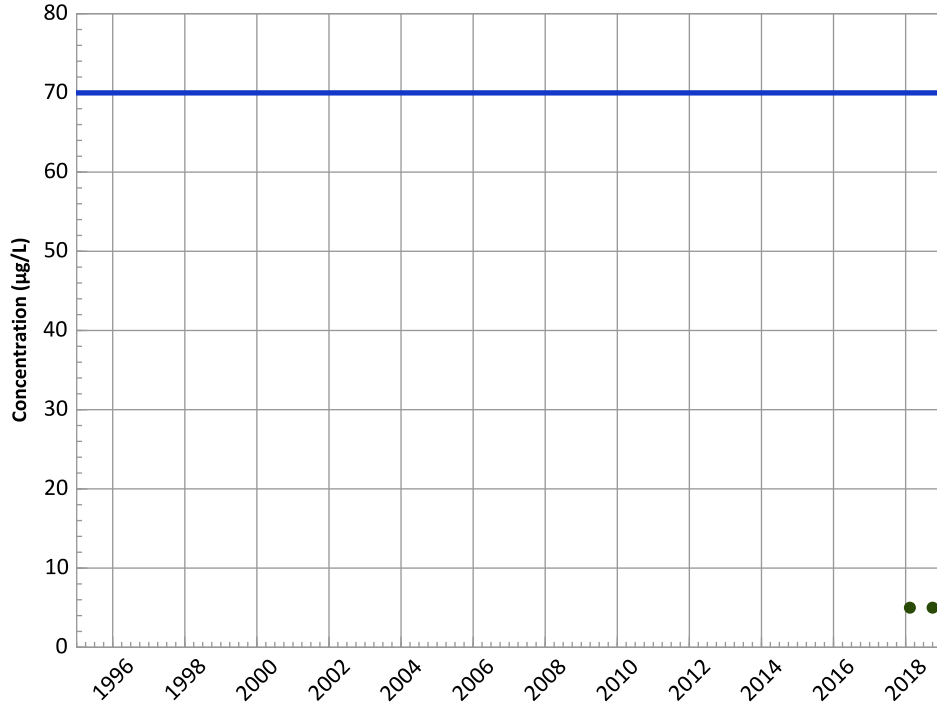


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

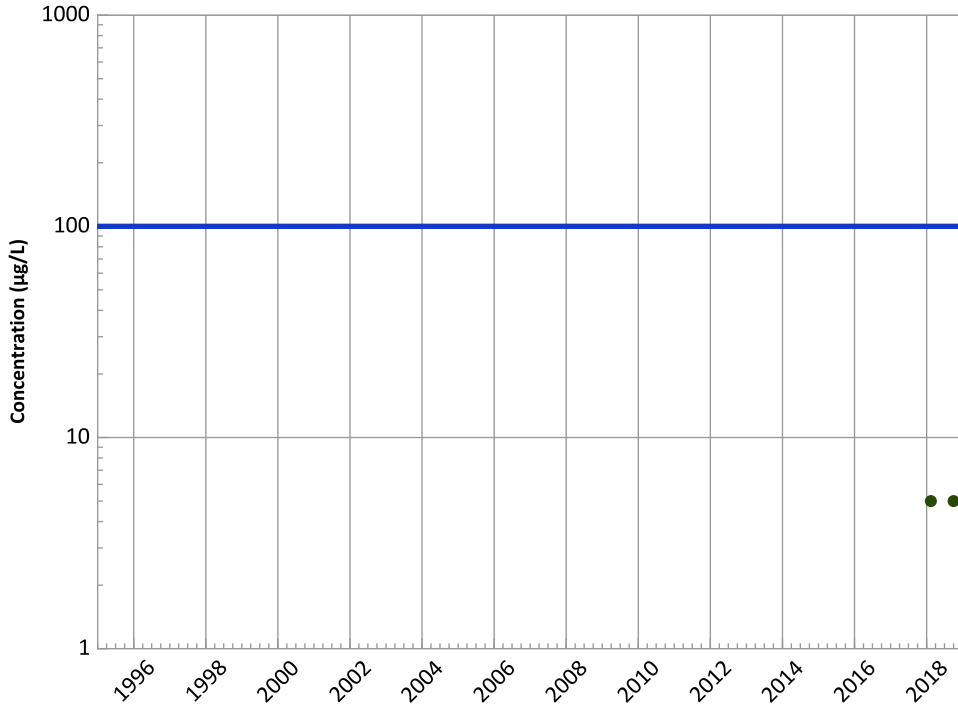
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

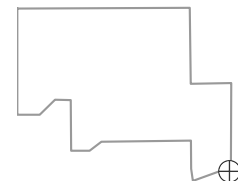
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

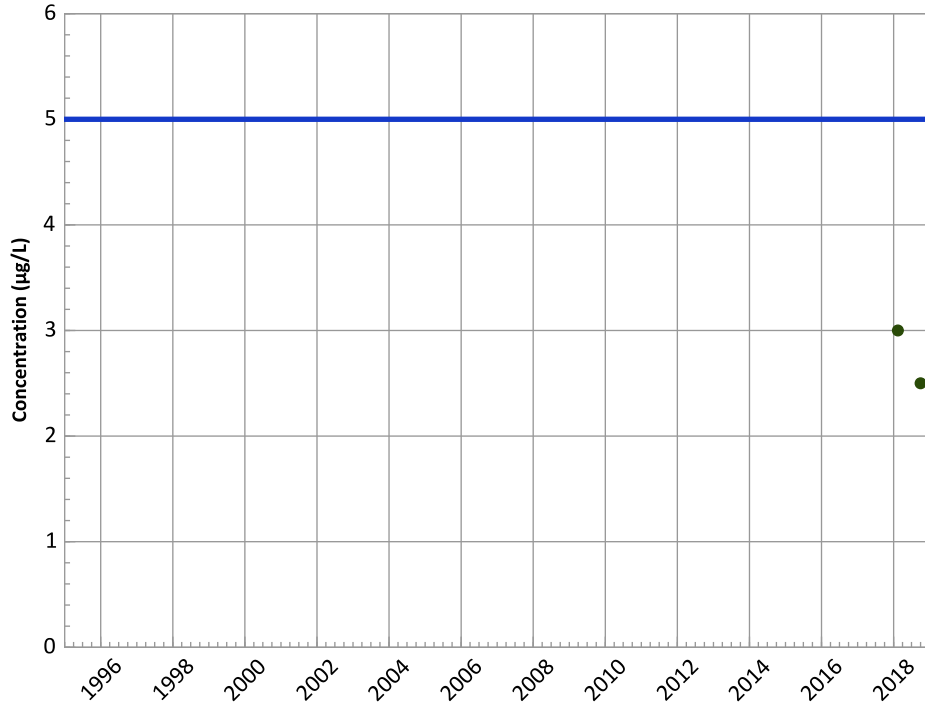
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

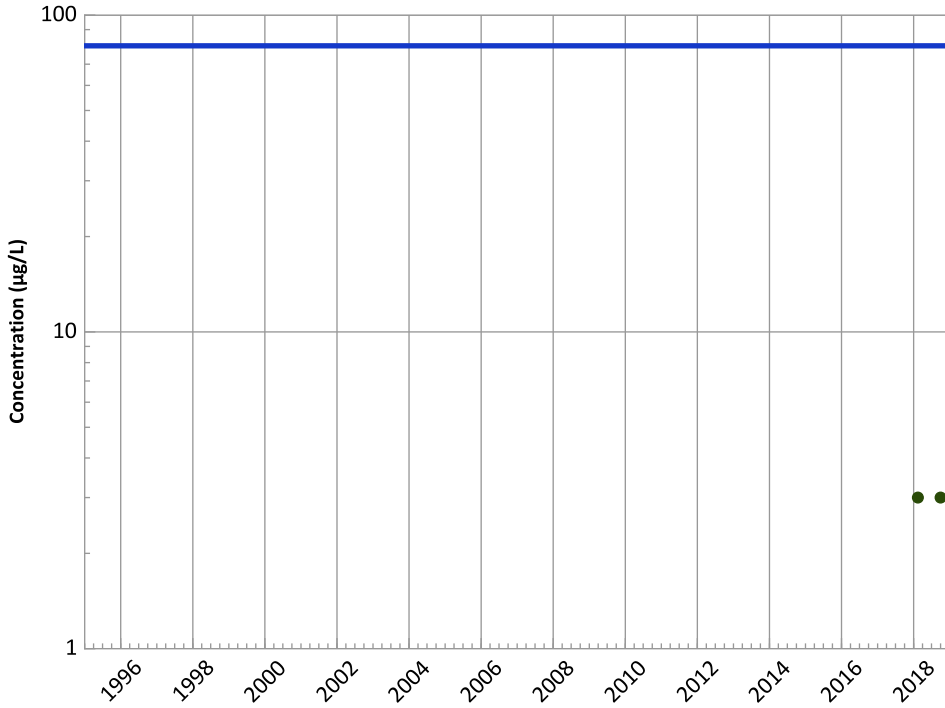


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend

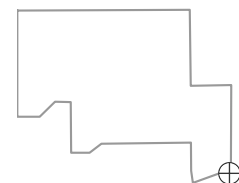


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

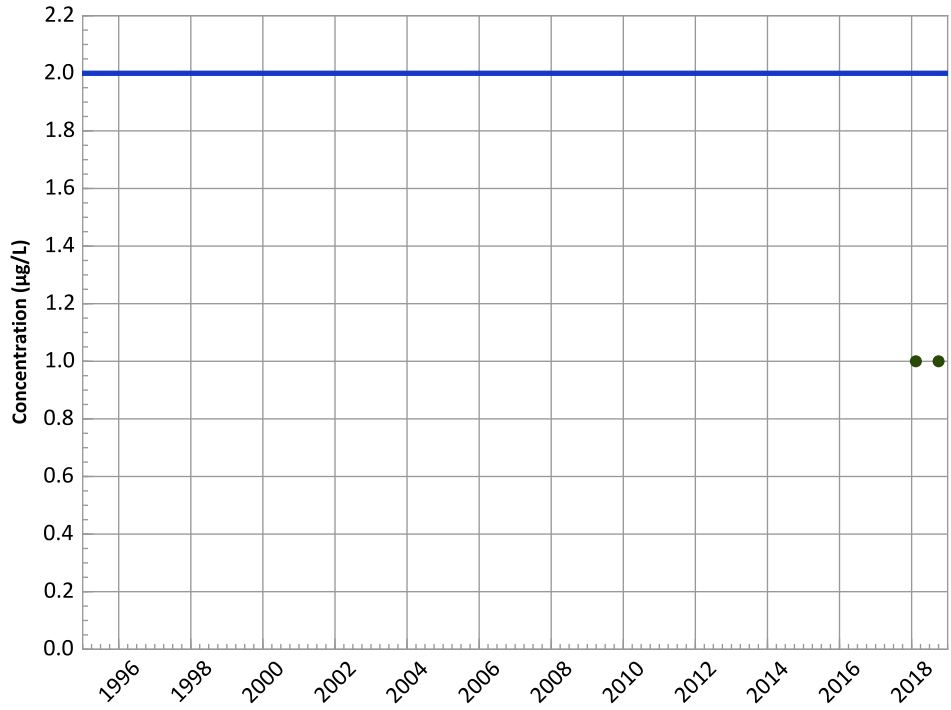
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

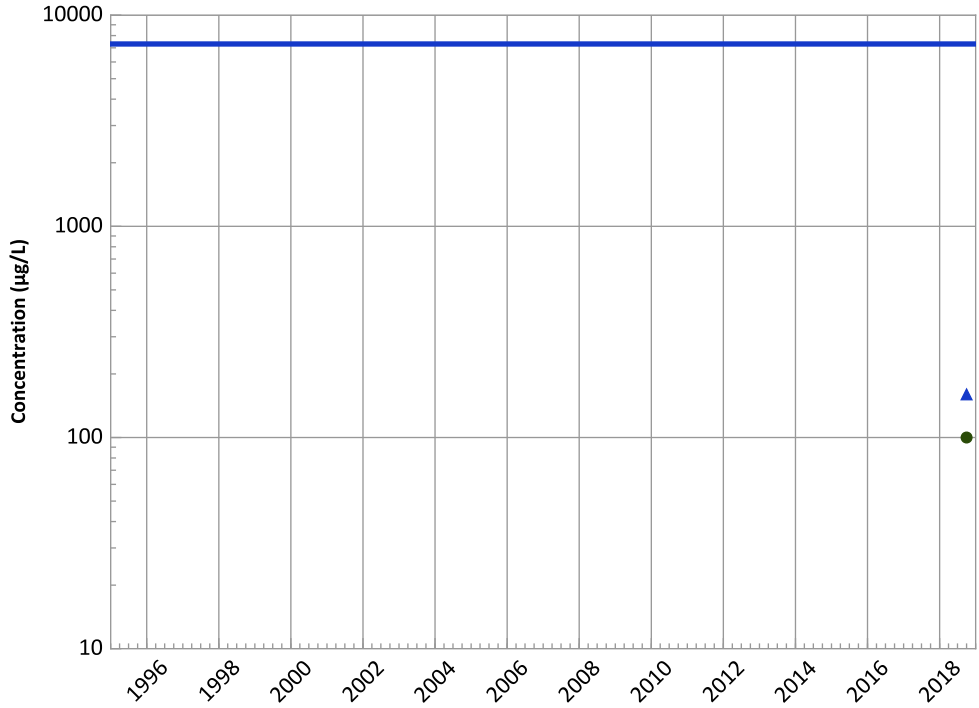


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

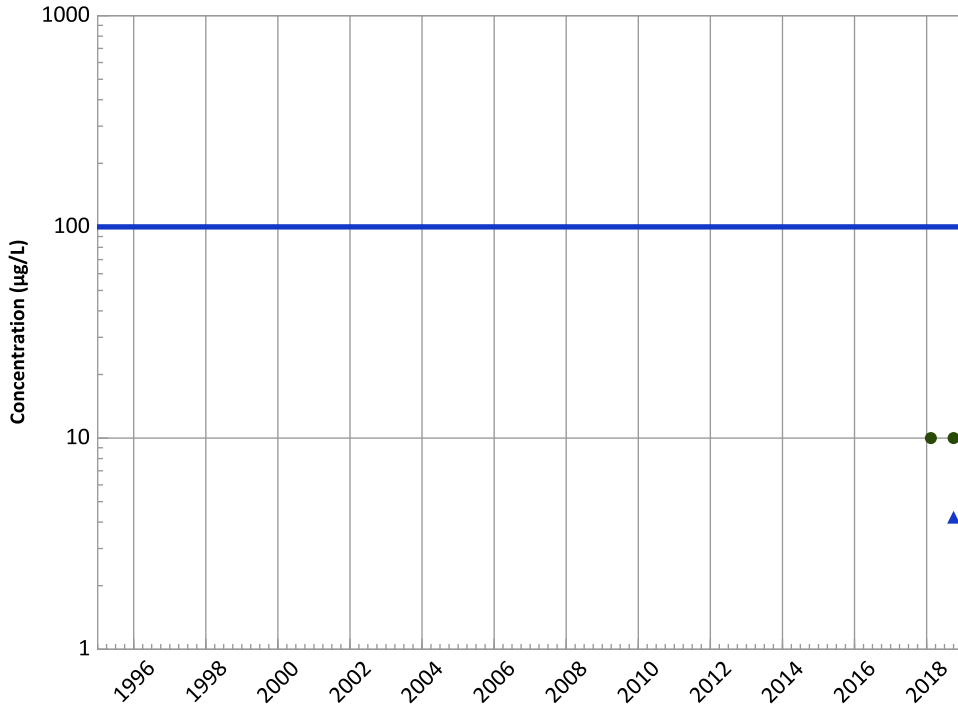


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

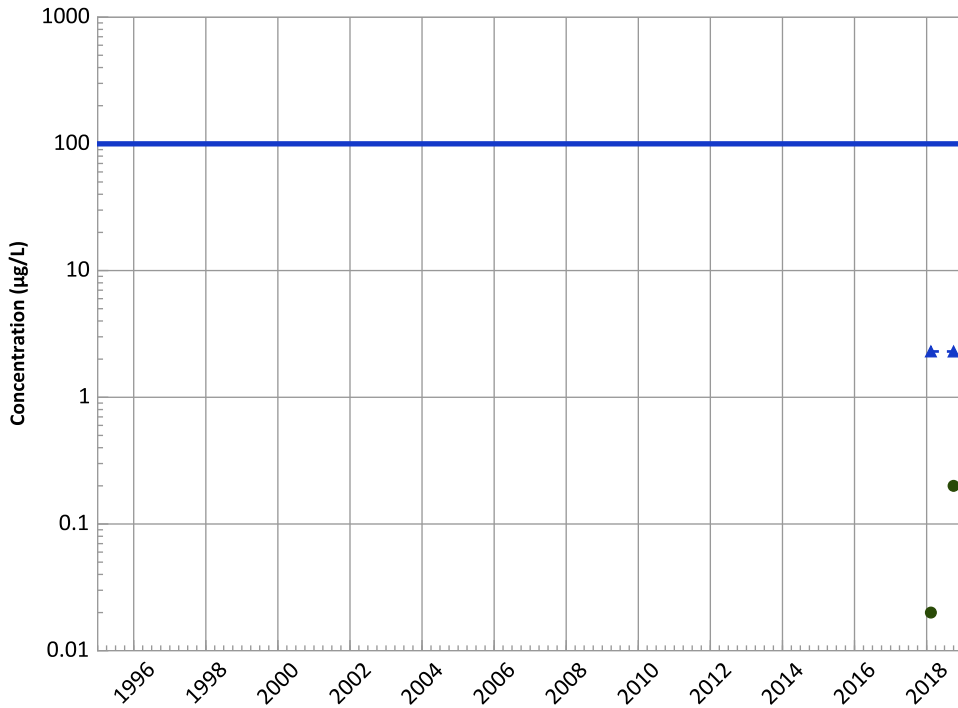


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Chromium, Hexavalent Trend

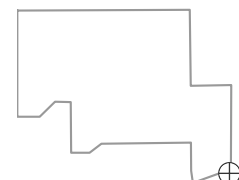


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

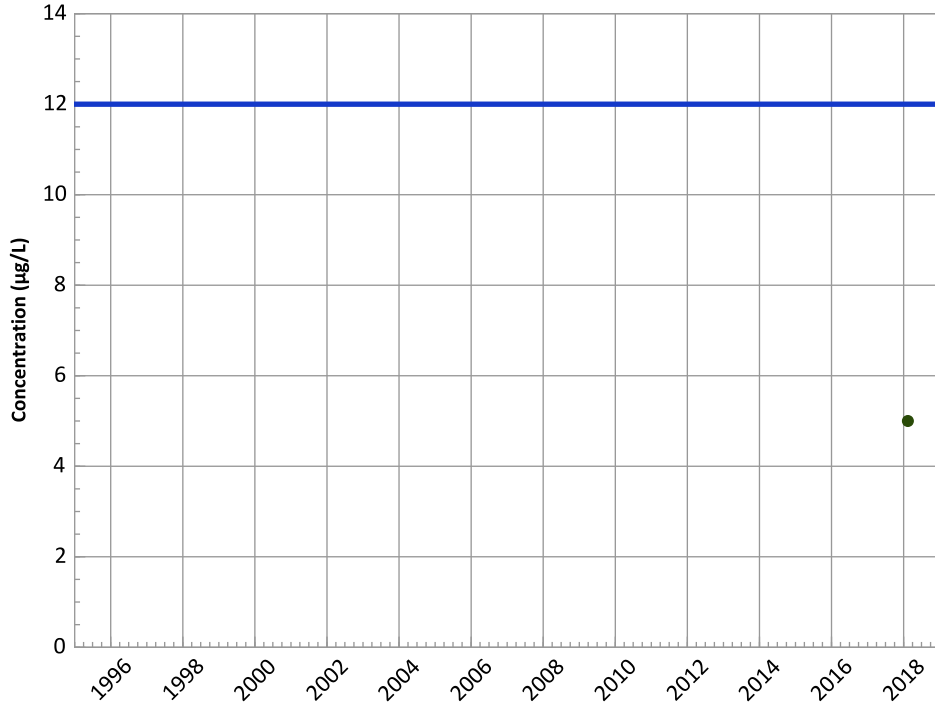


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend

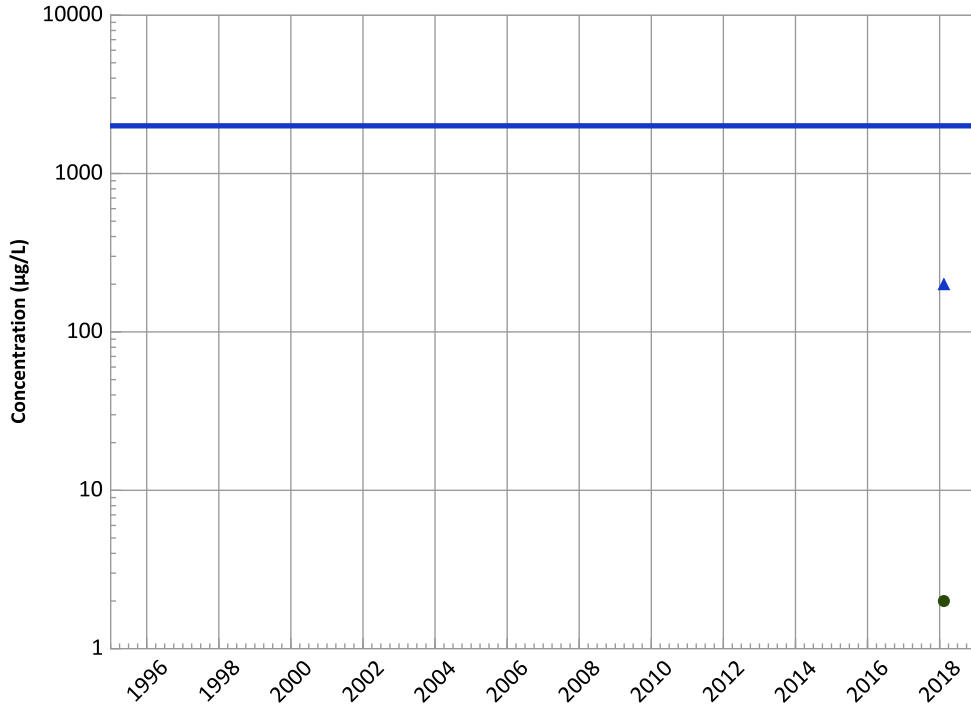


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Barium Trend

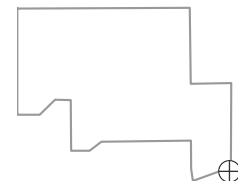


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

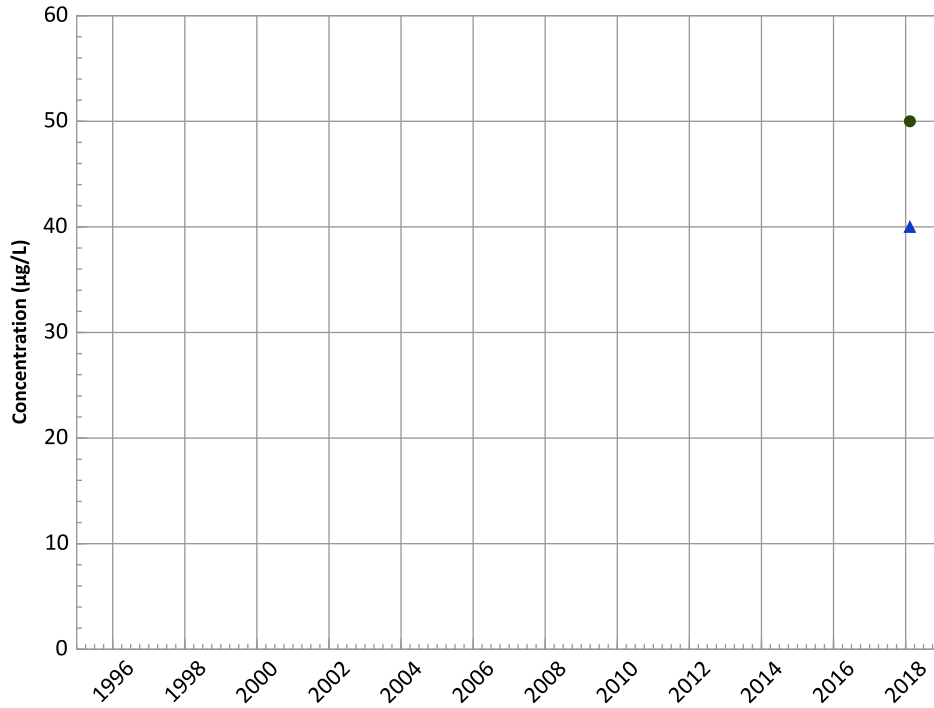


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend

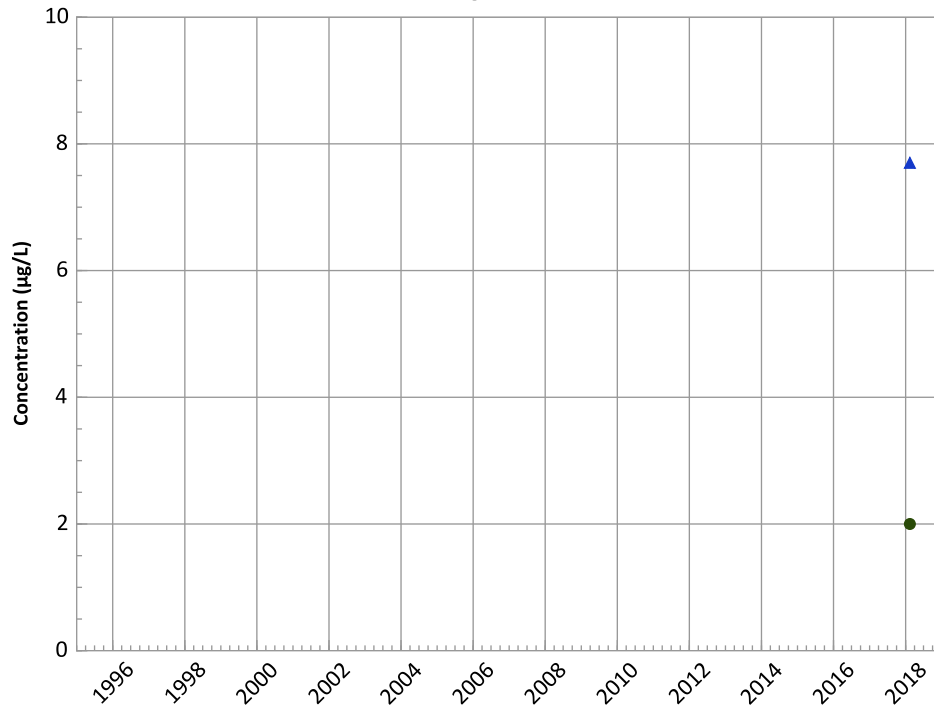


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

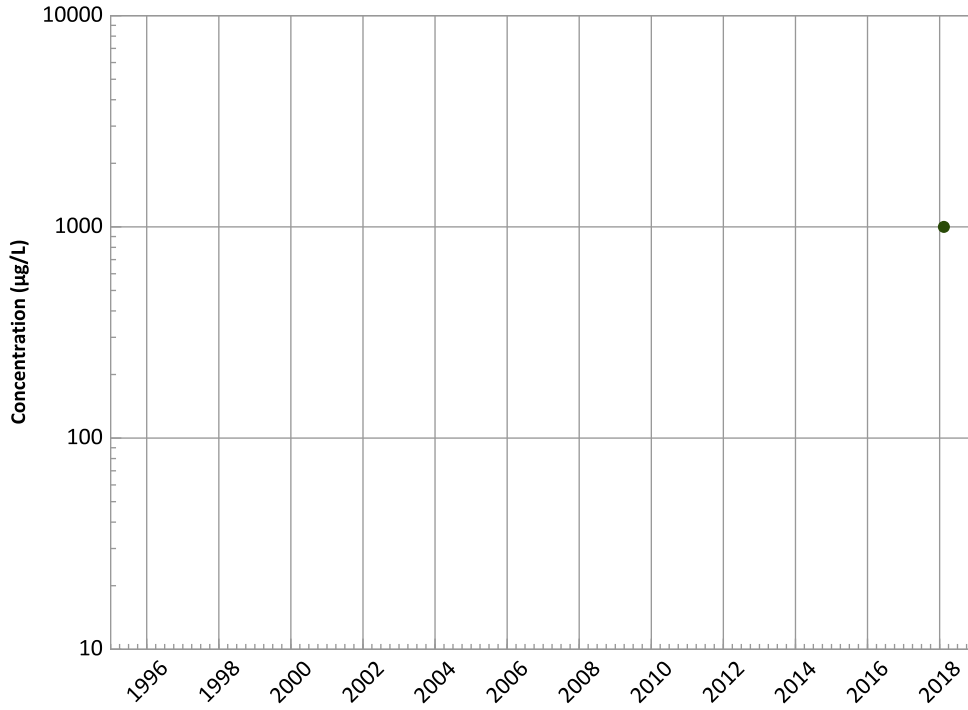


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1191 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

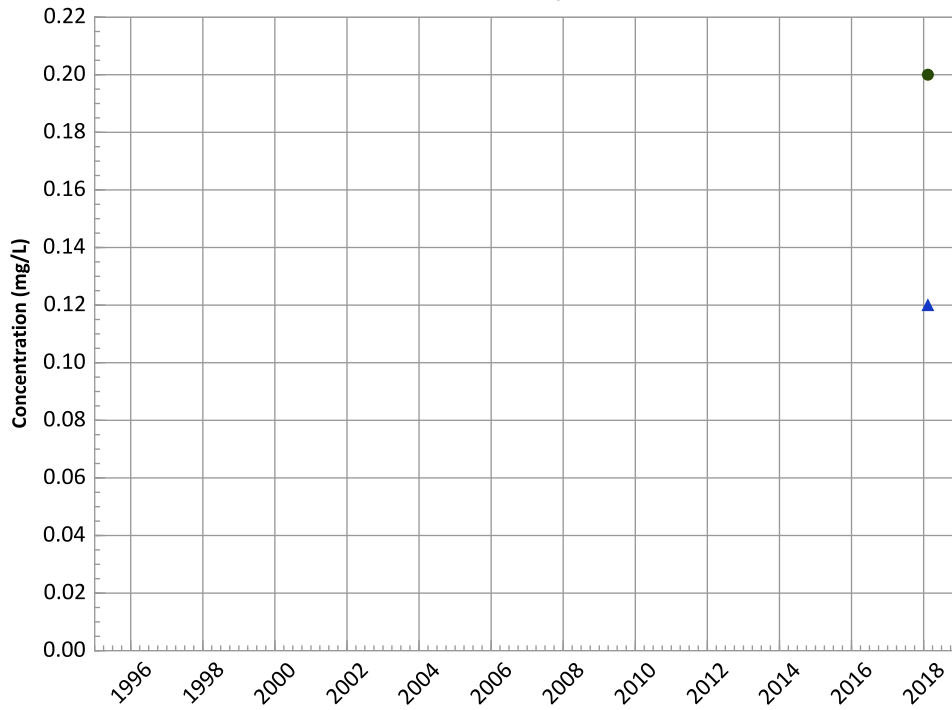


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

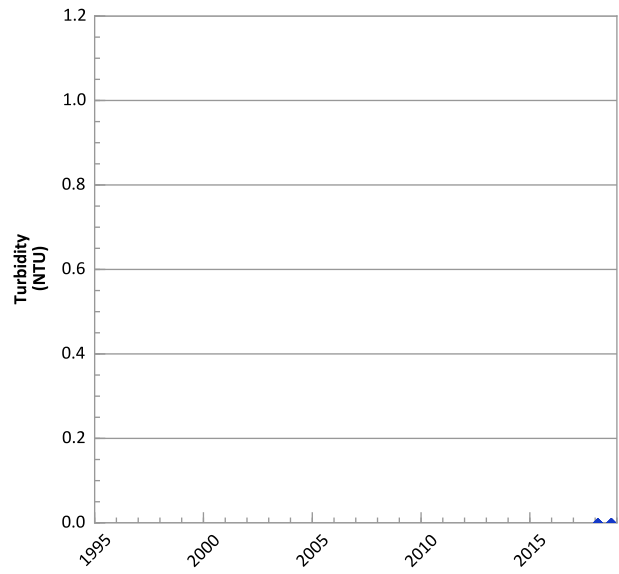
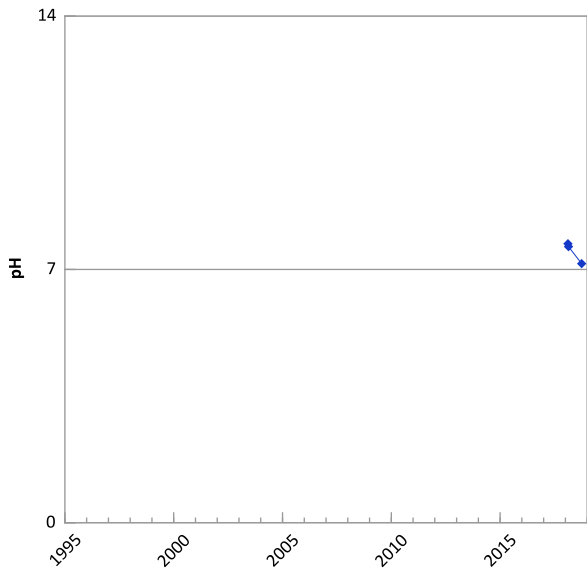
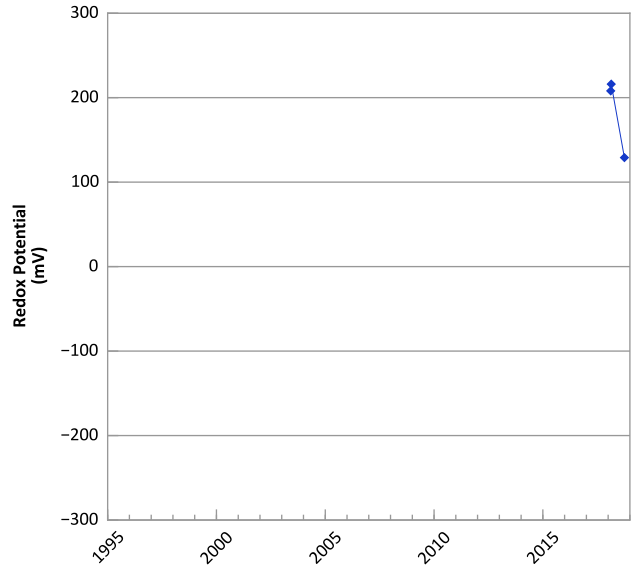
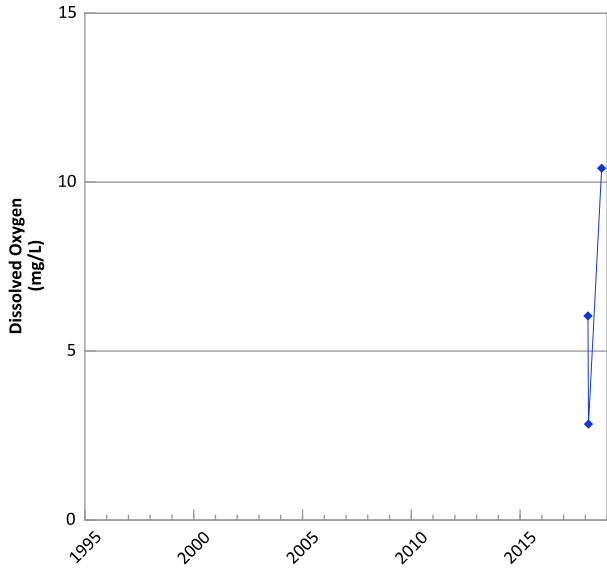
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

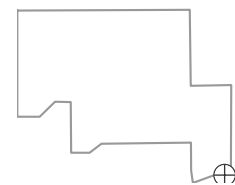
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



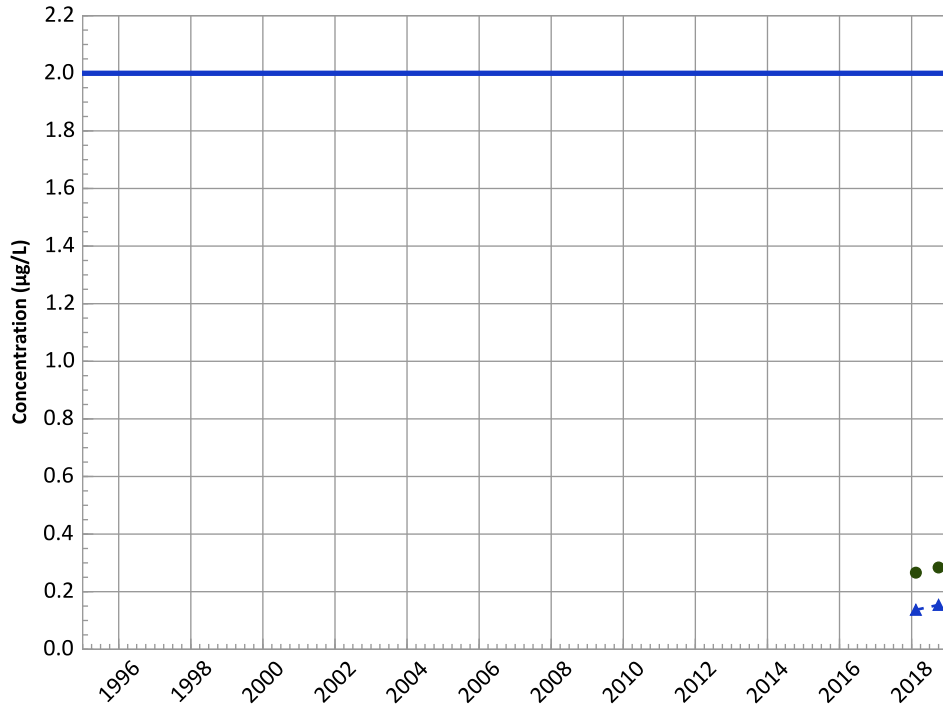
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 02/13/2018 to 10/01/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

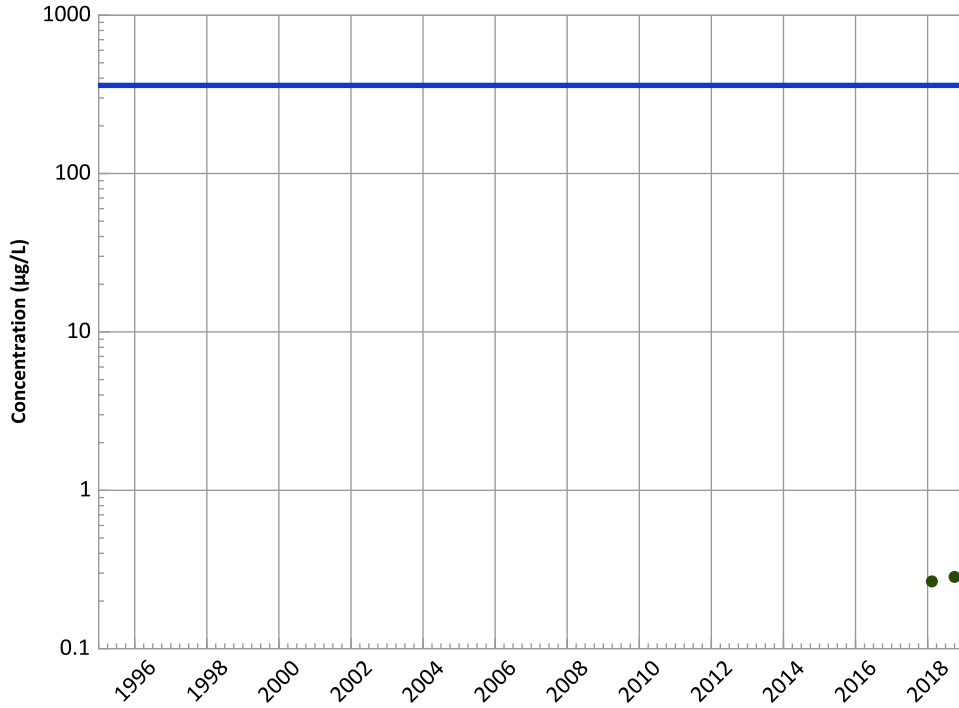
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

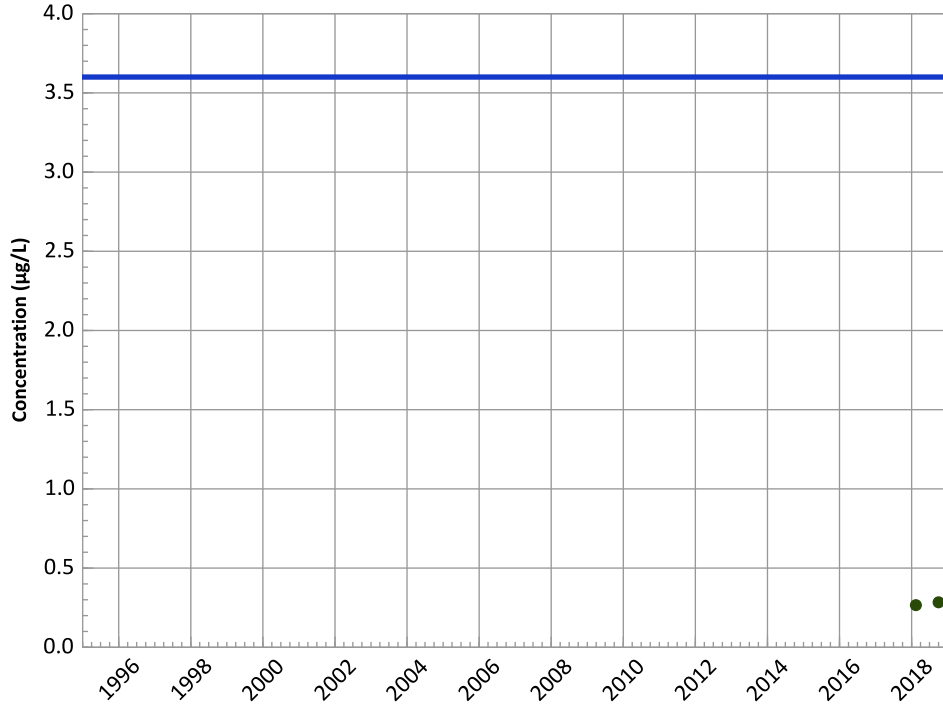


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

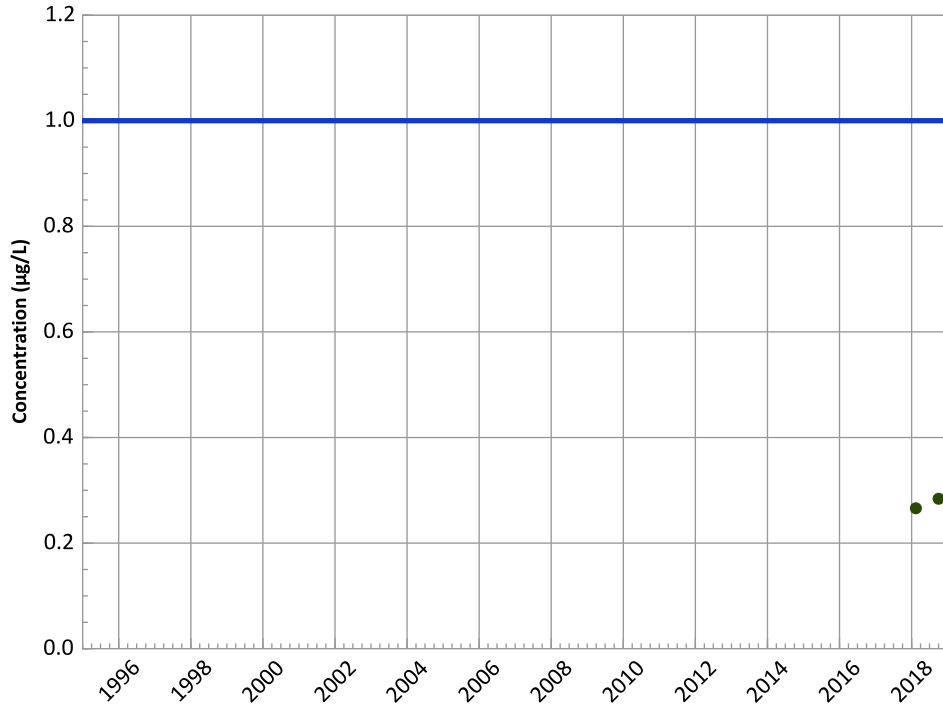
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

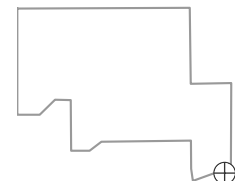
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

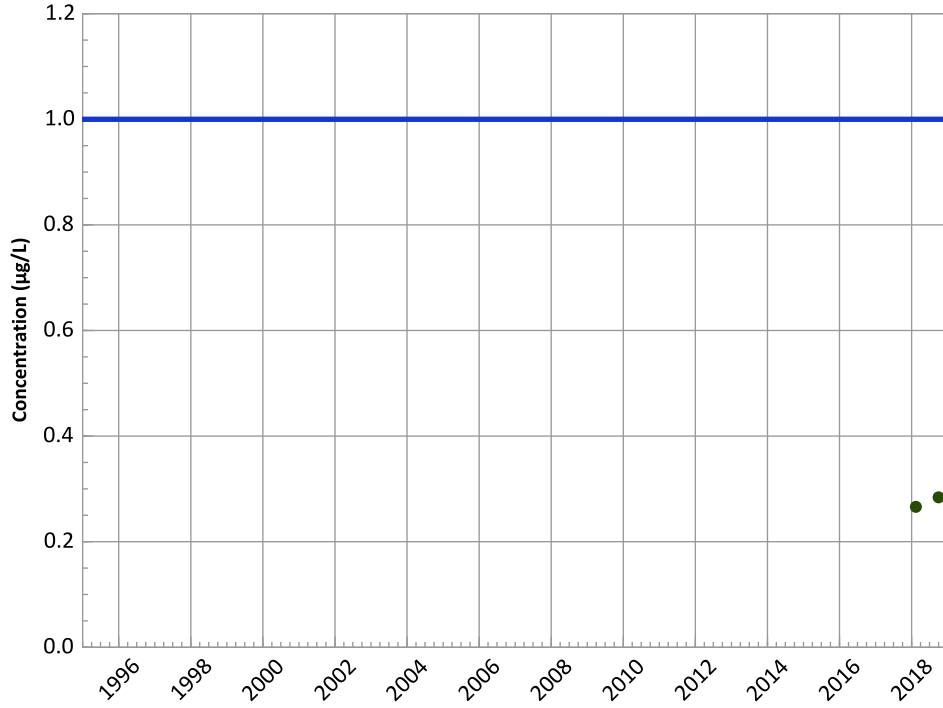


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

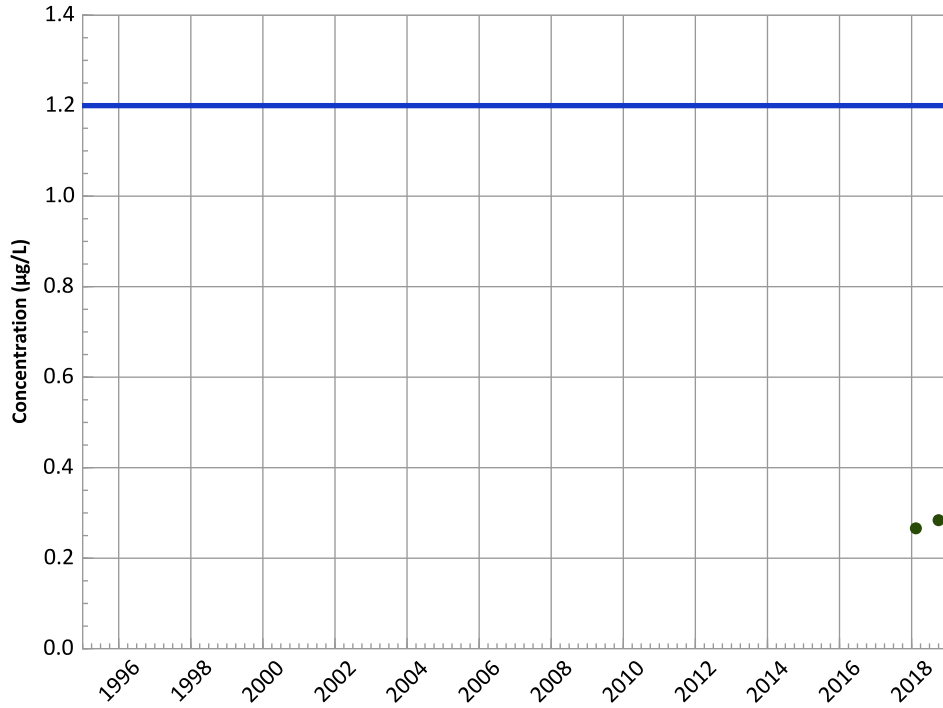


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend

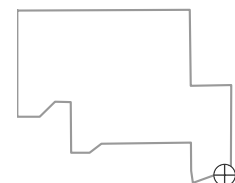


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

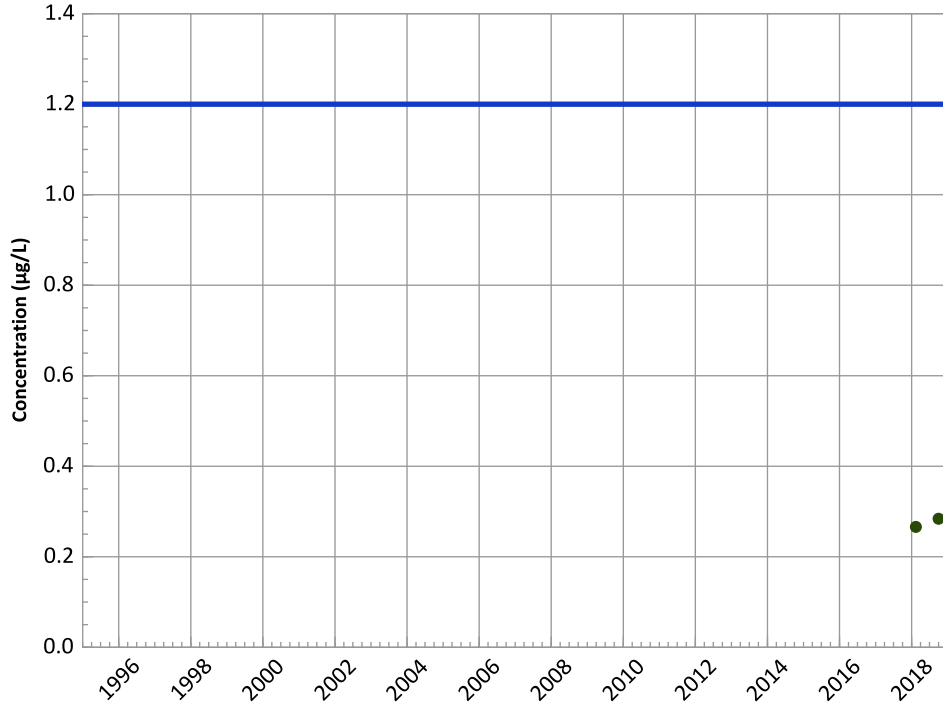


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

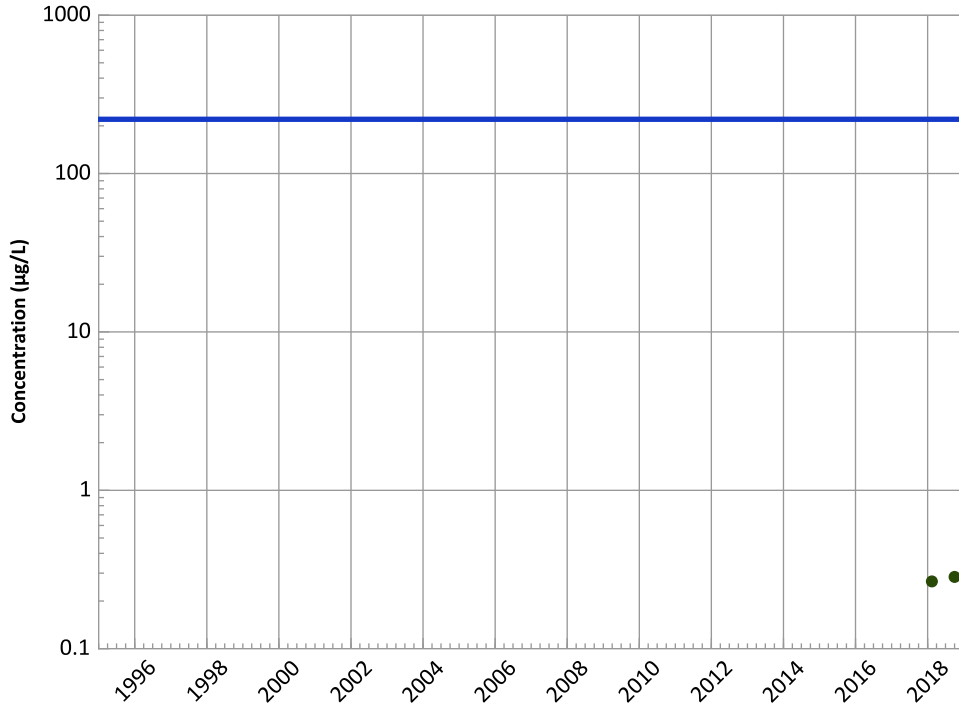
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

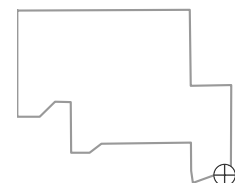
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

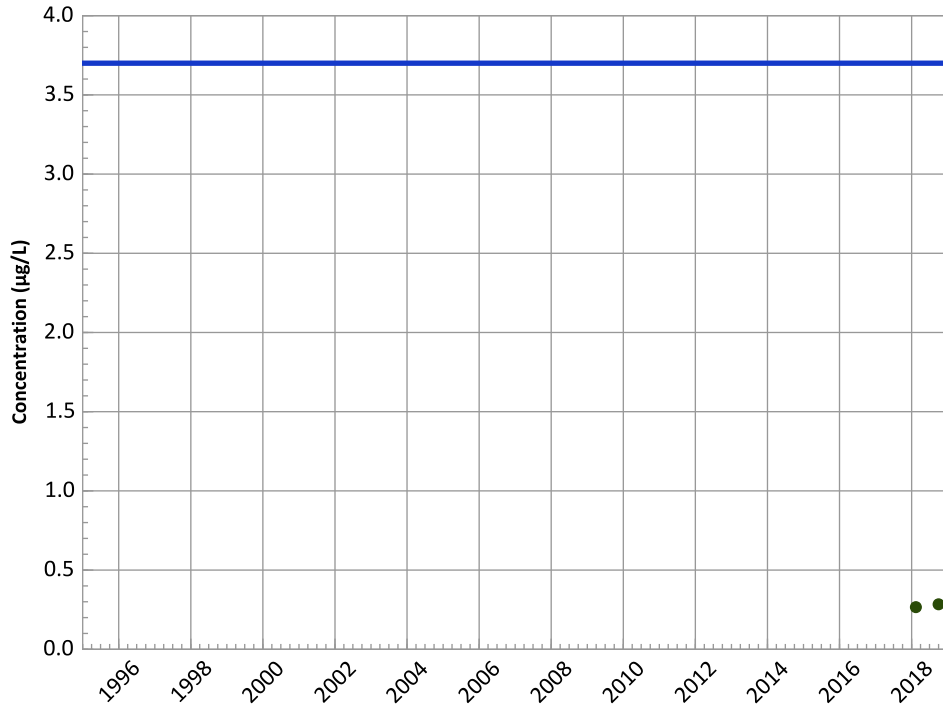
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**

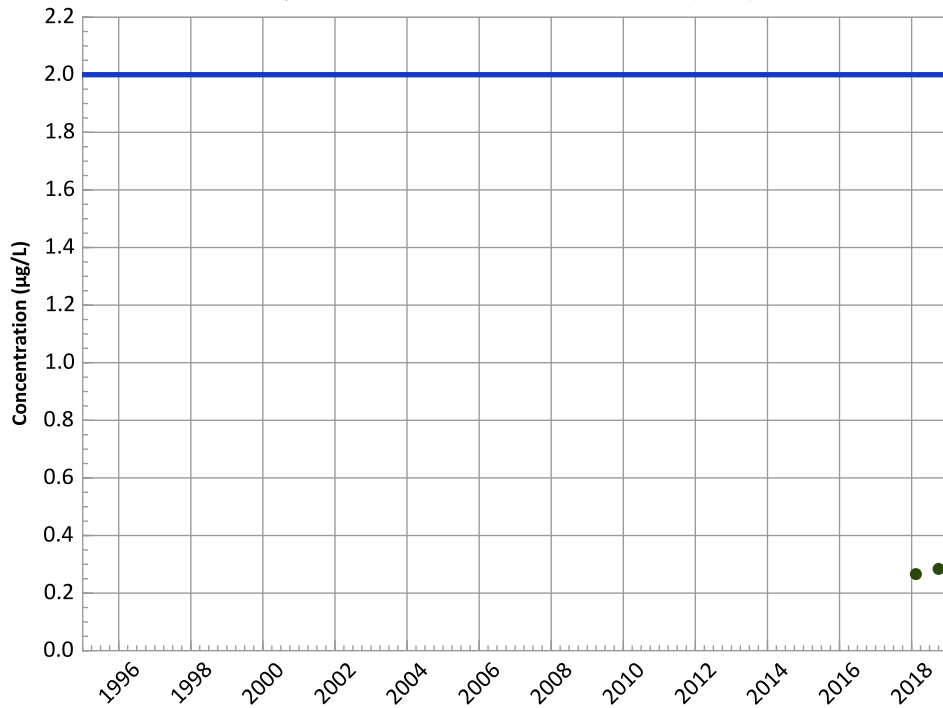


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

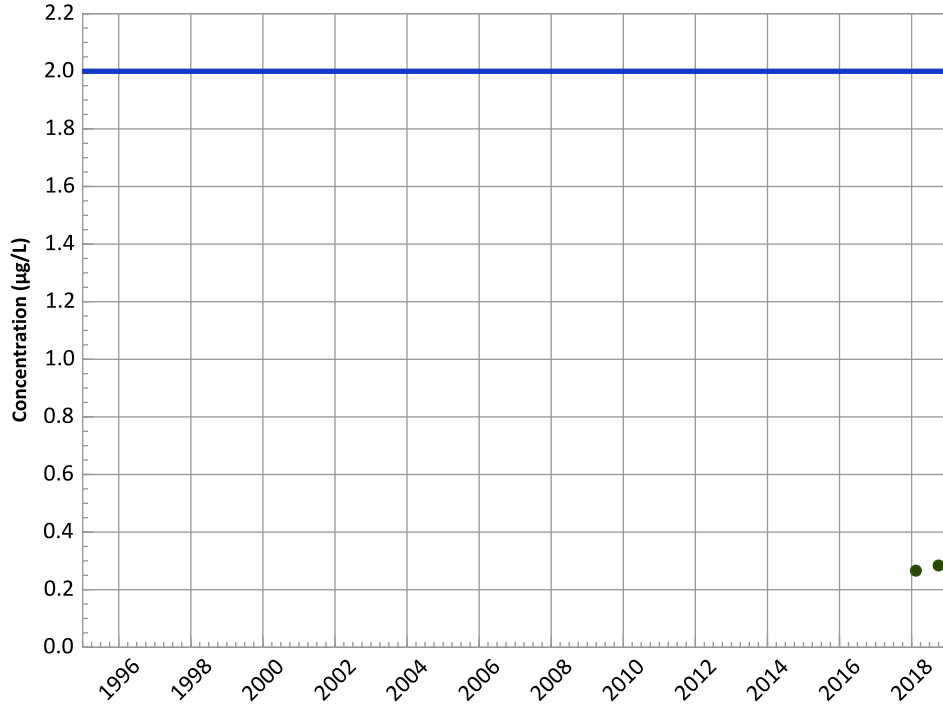


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

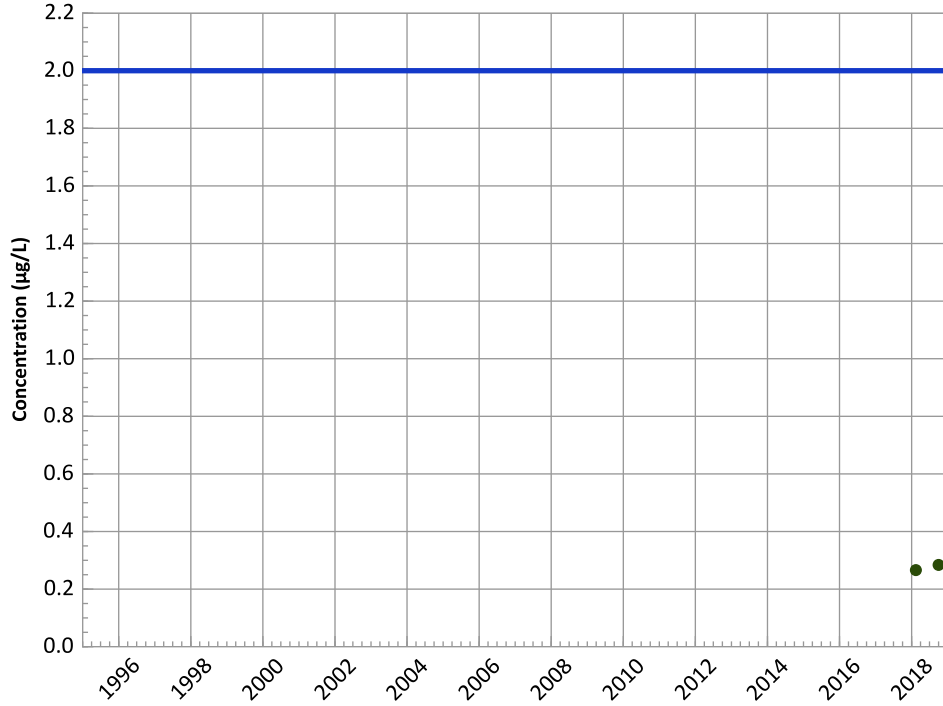
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

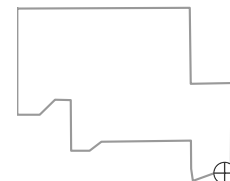
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

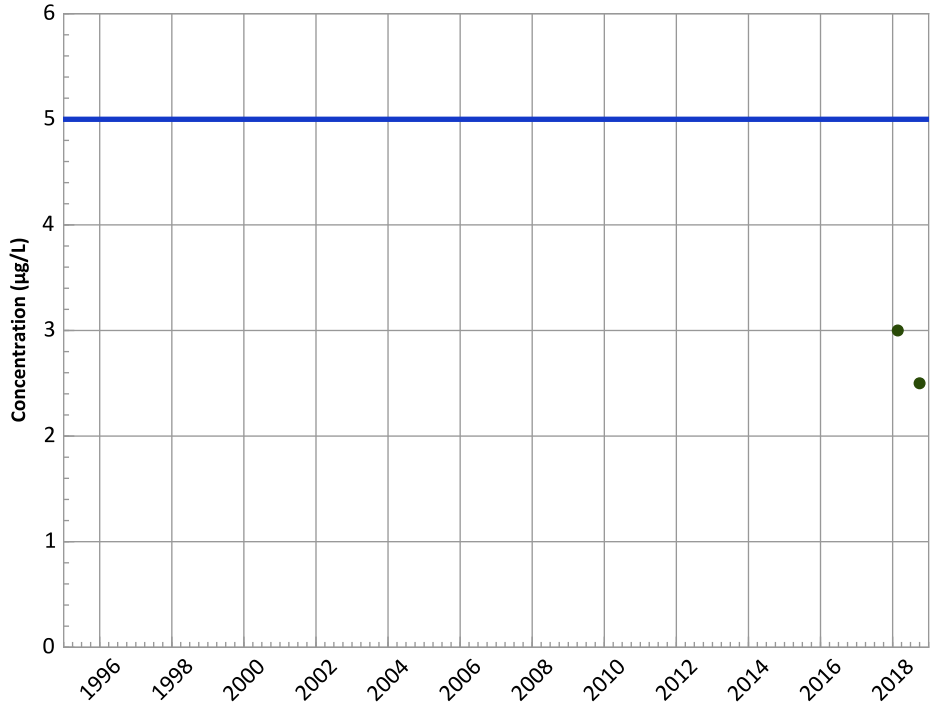
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

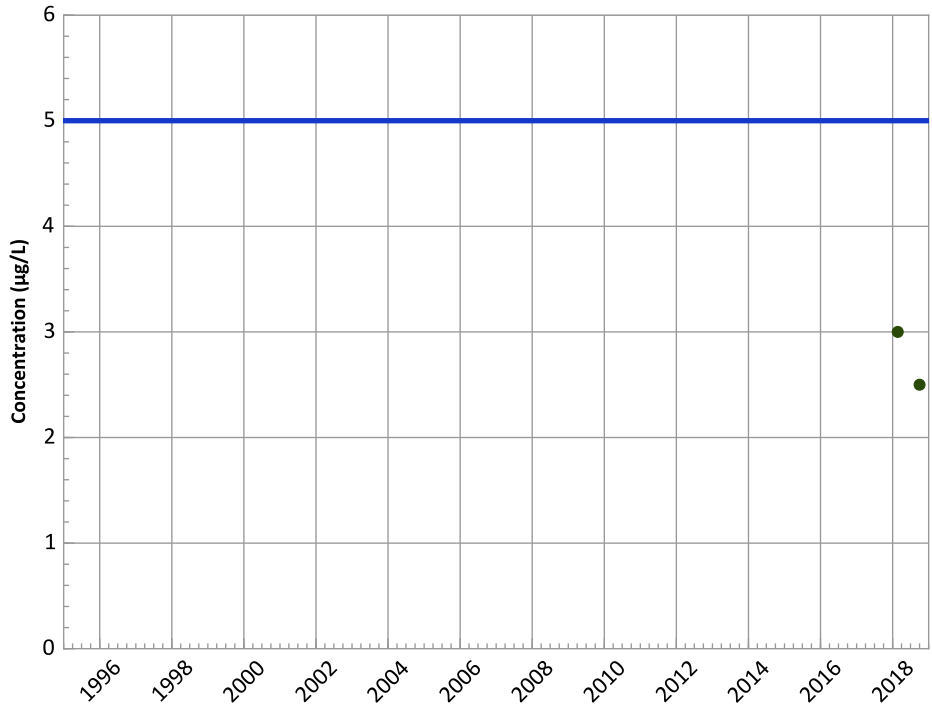


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Trichloroethene Trend

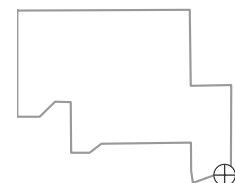


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

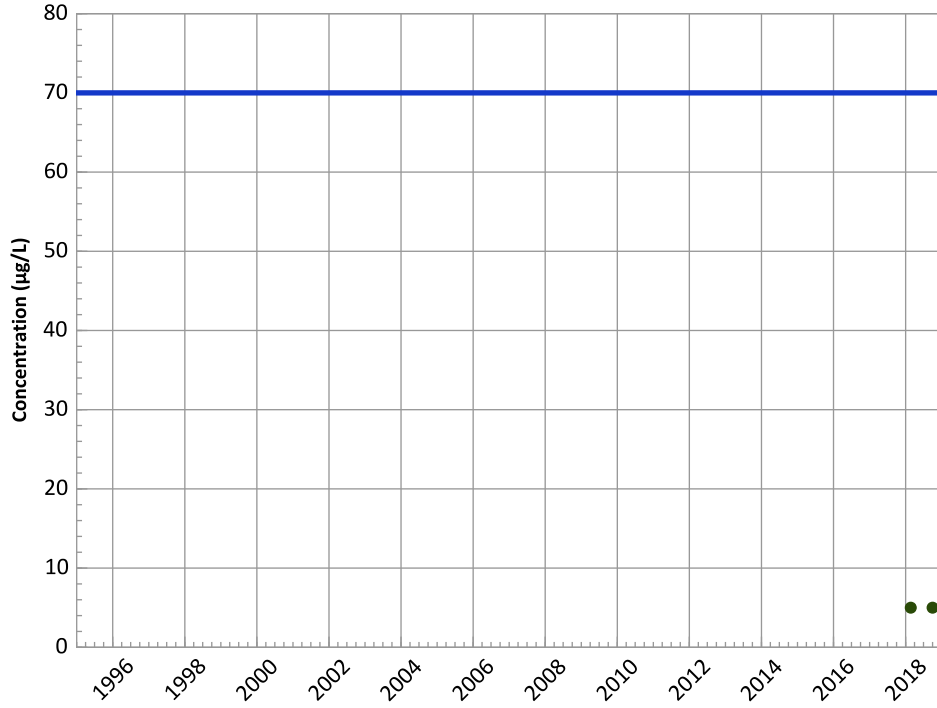


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

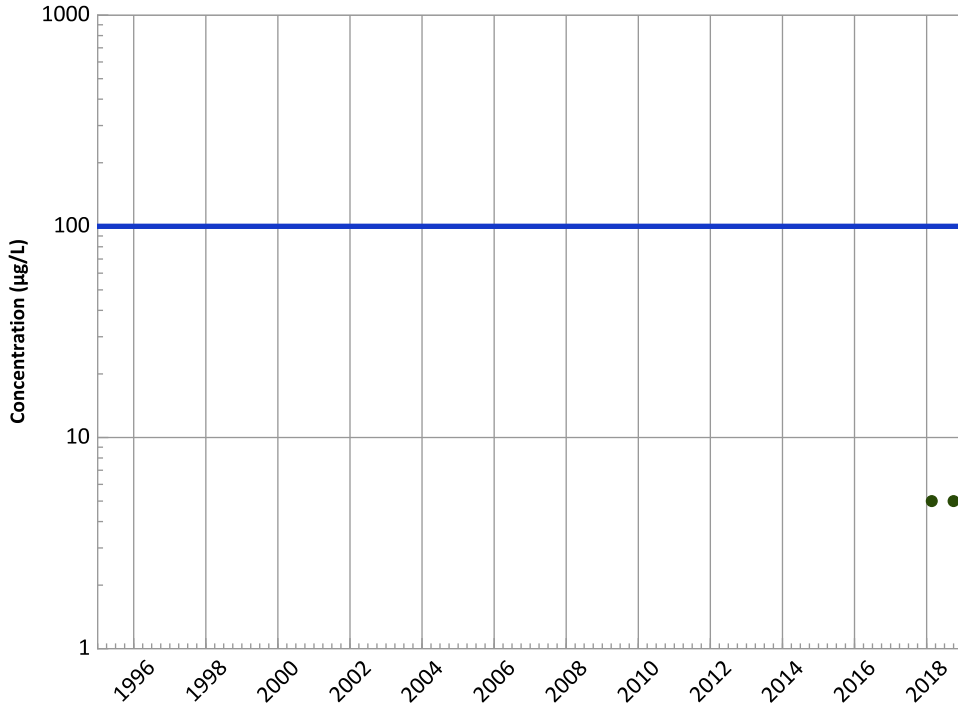
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

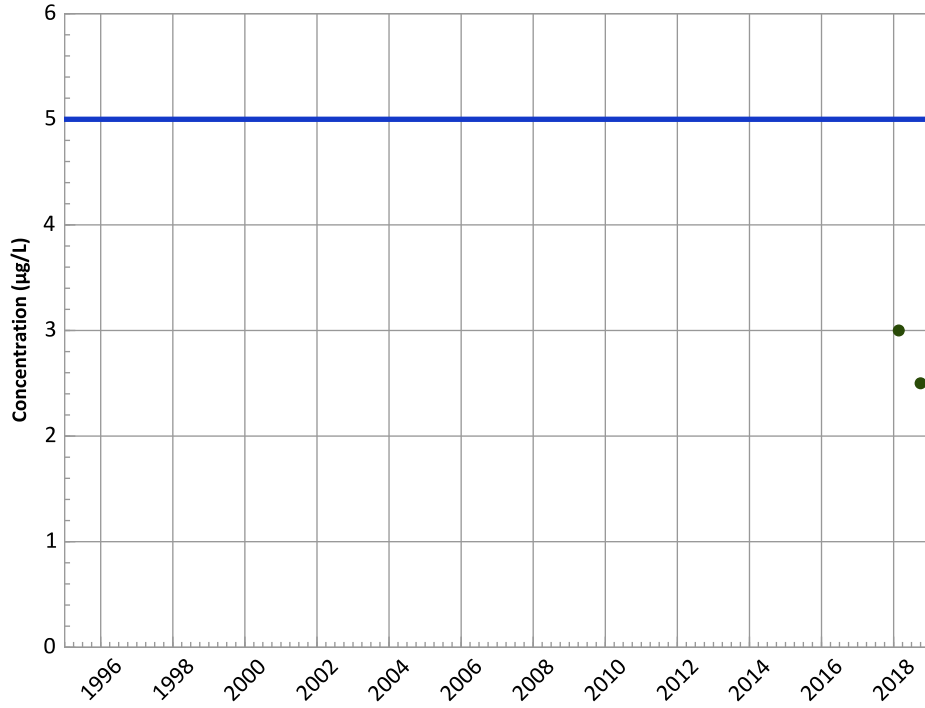
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

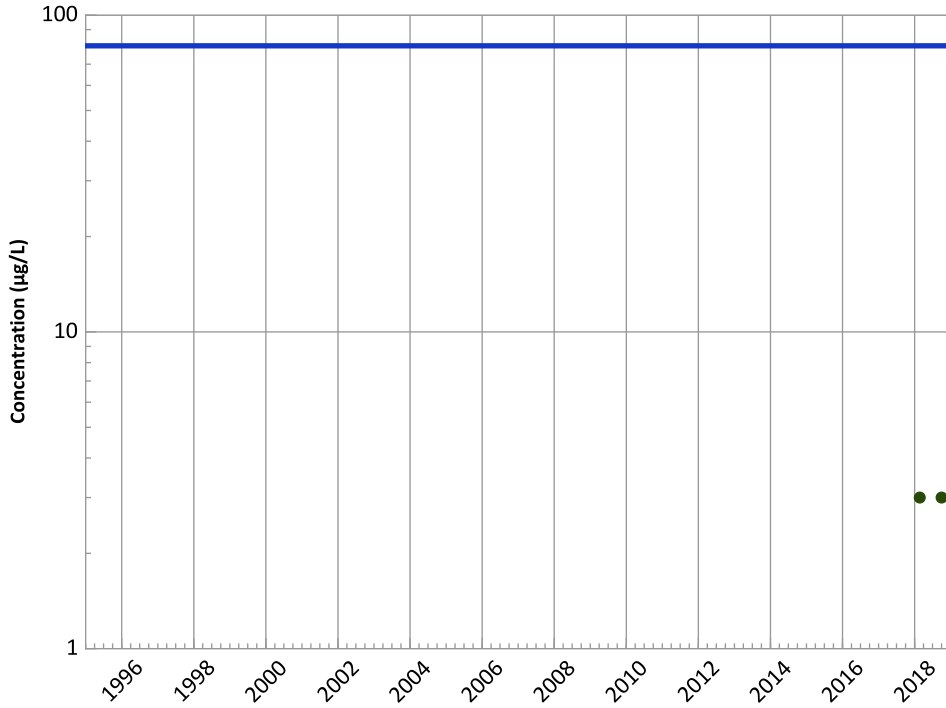
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

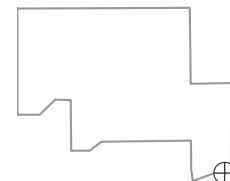
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

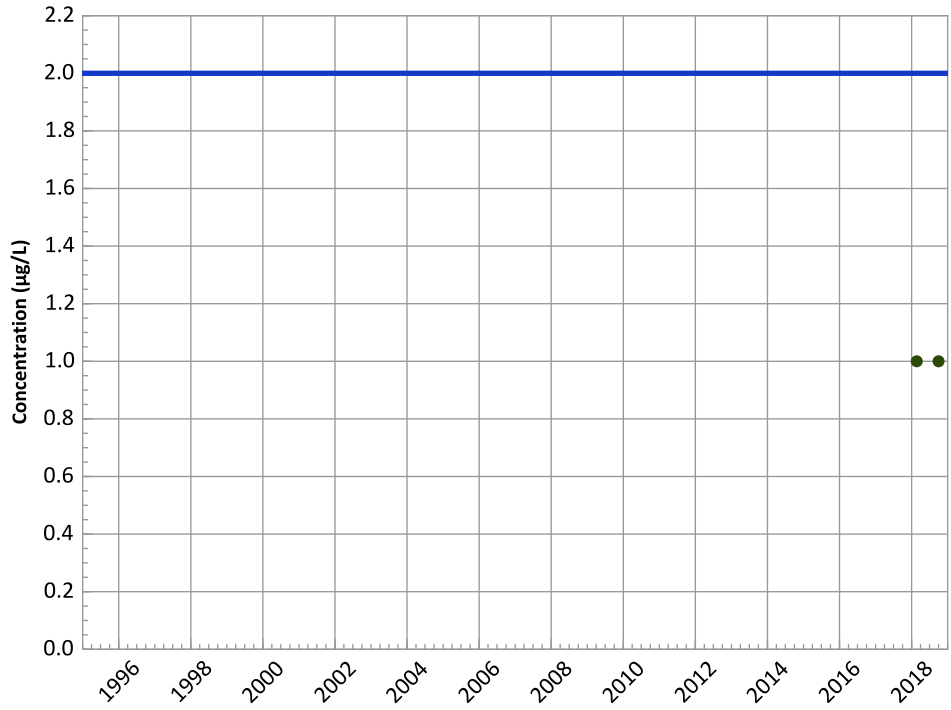
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

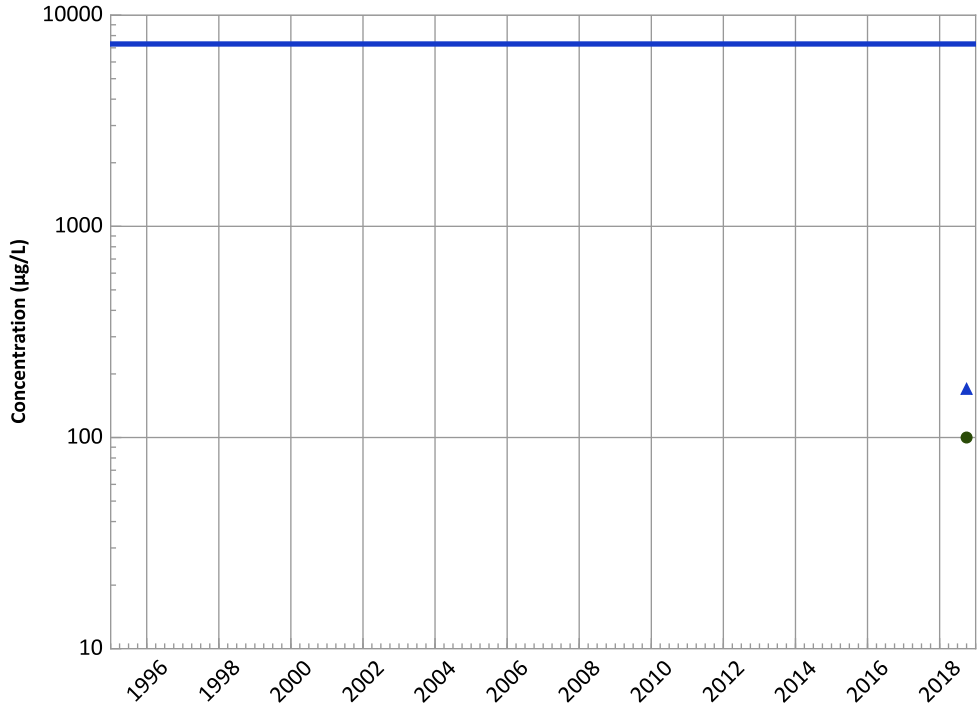


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Boron Trend

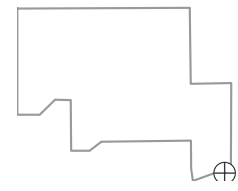


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

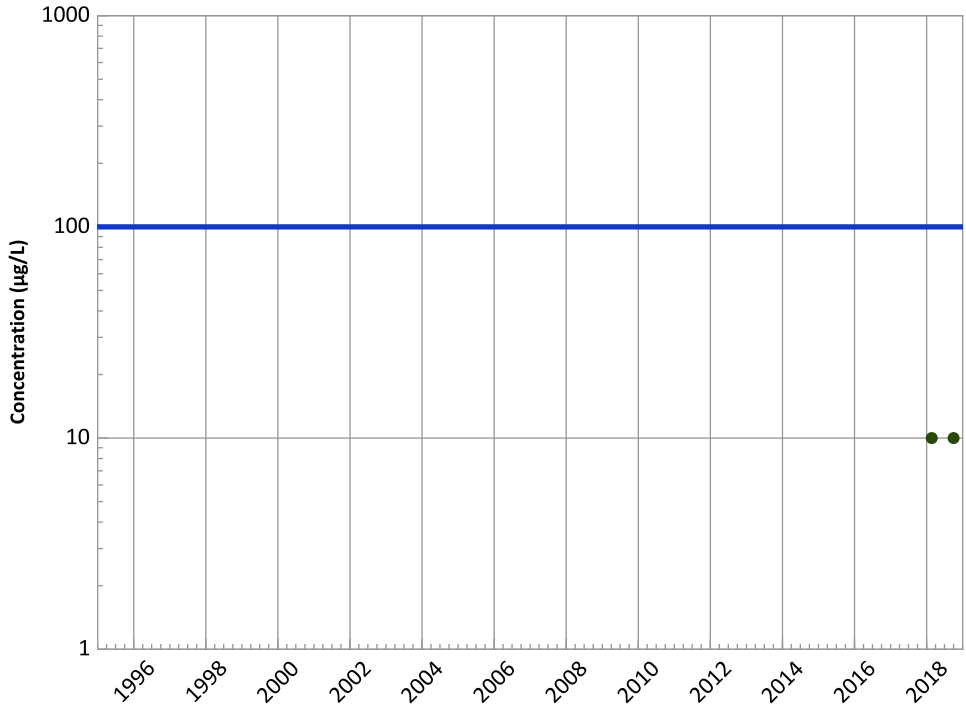
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant
Chromium, Total Trend**

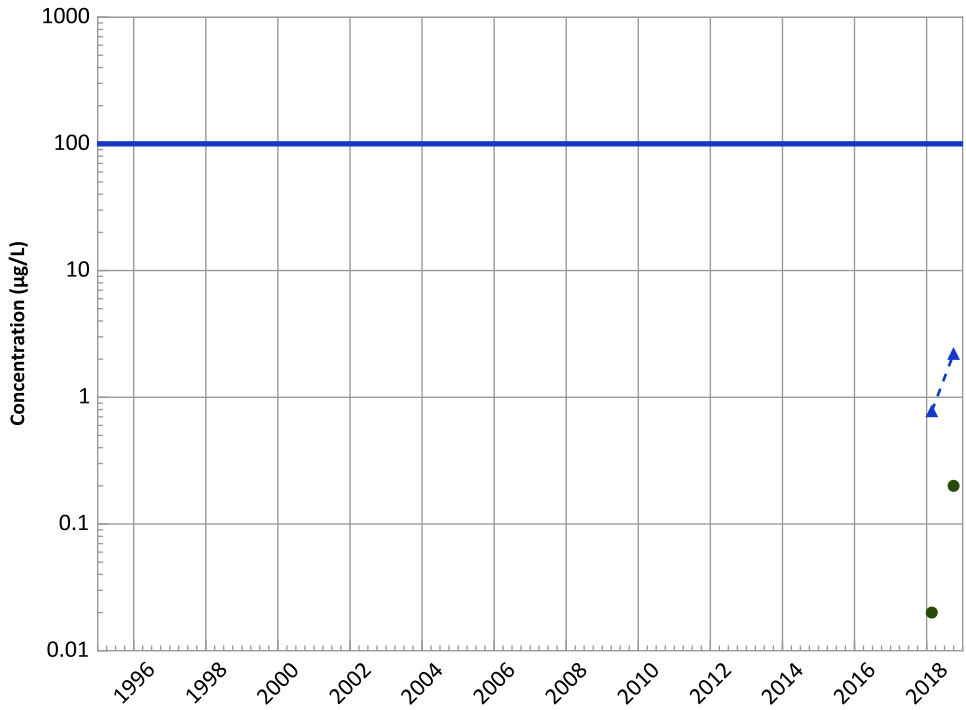


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

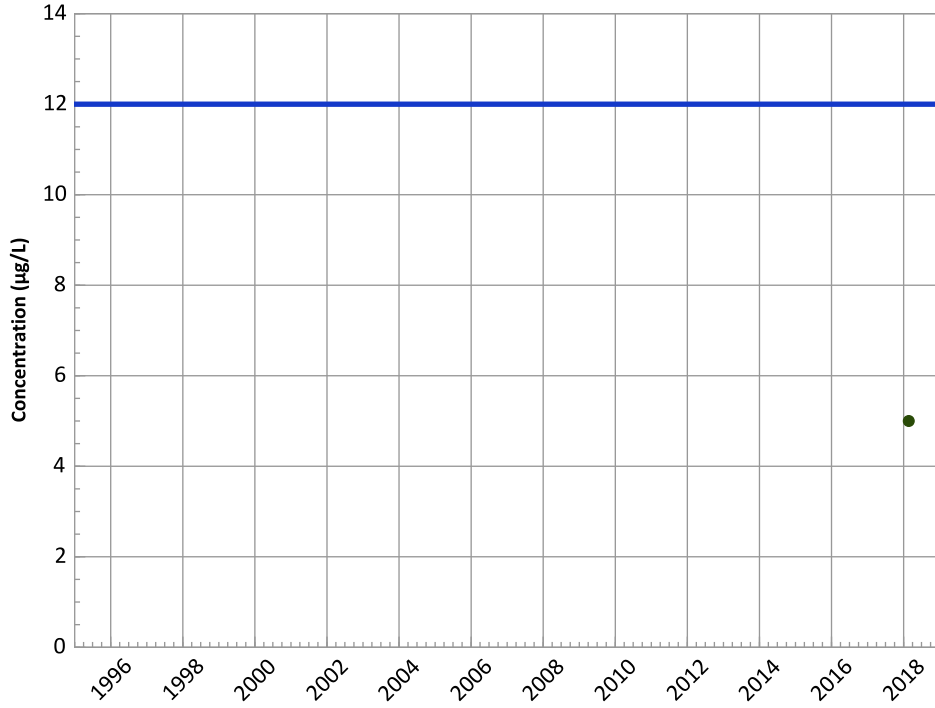


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant

Arsenic Trend

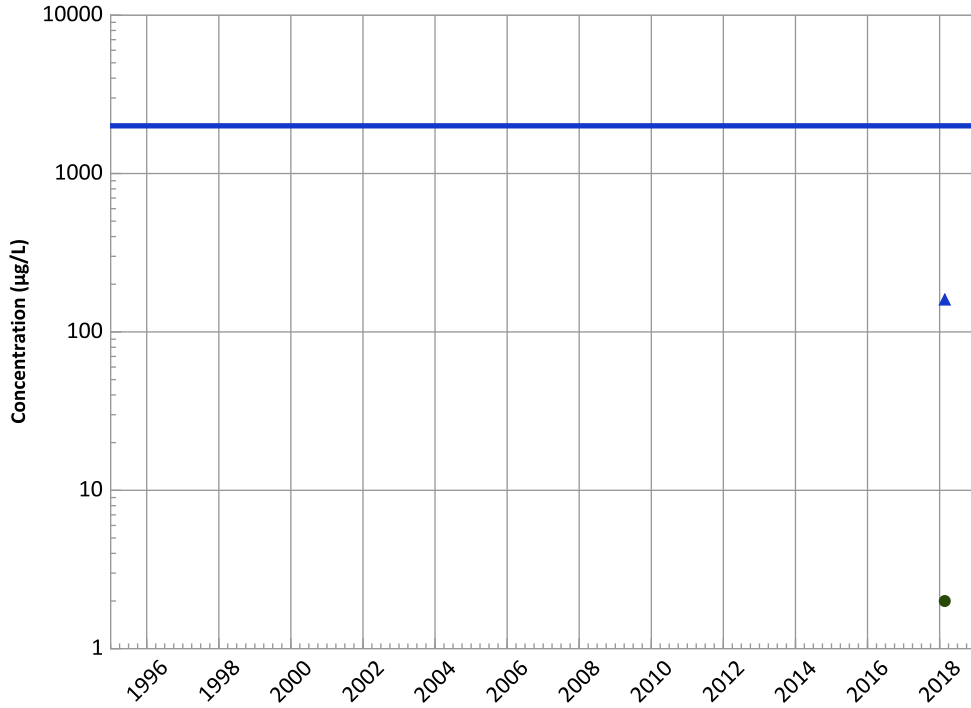


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Barium Trend

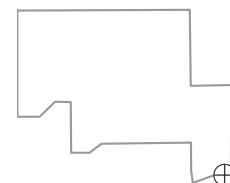


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

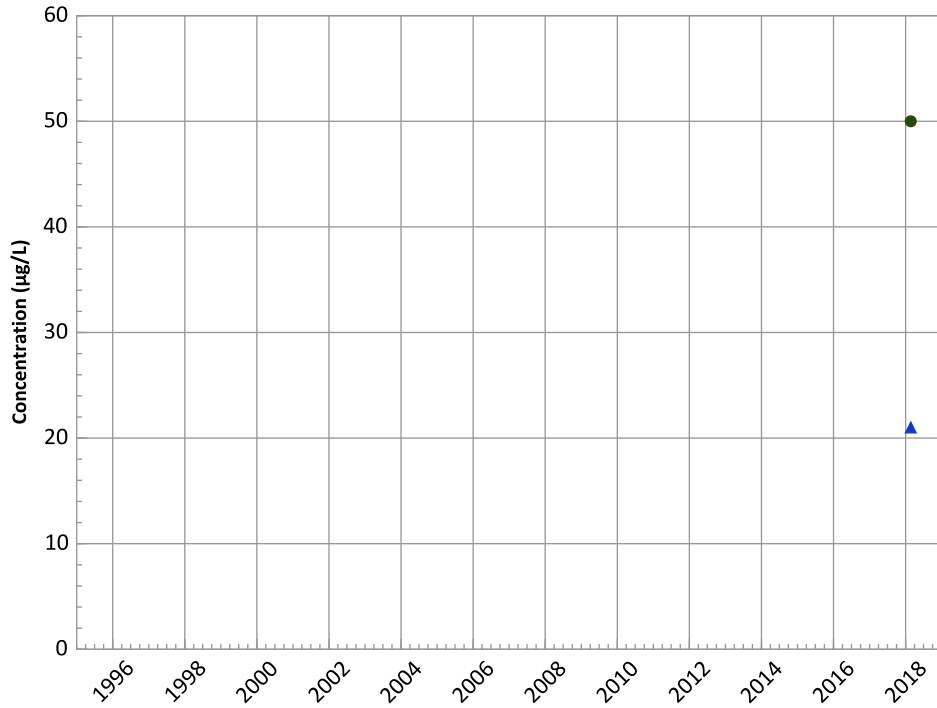


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend

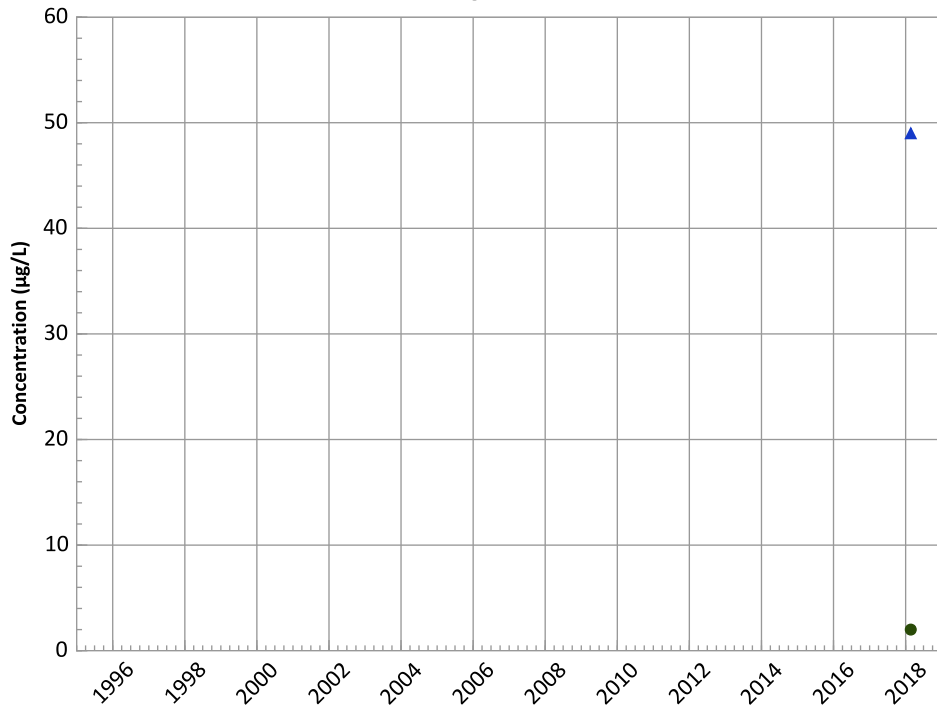


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

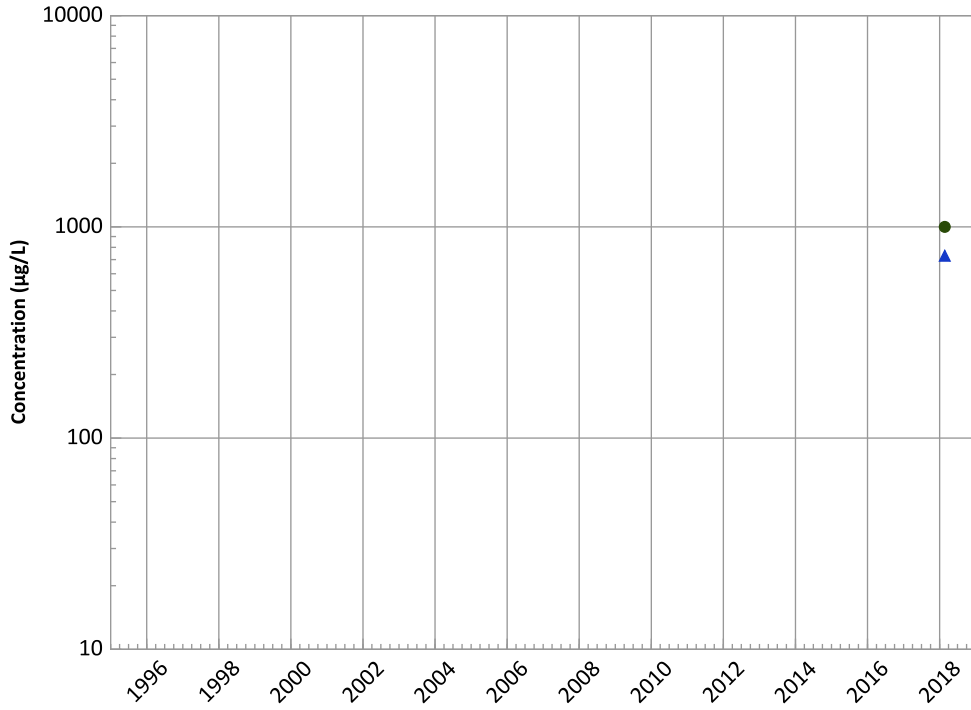
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1194 in Perched Aquifer
USDOE/NNSA Pantex Plant
Total Organic Carbon Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

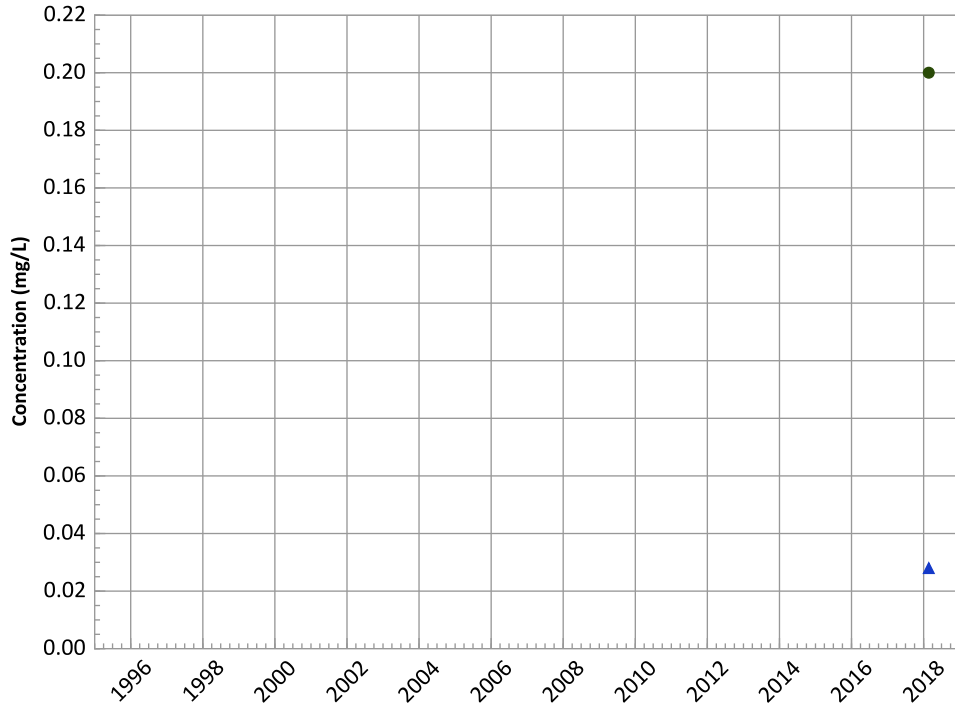
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Total Volatile Fatty Acids Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

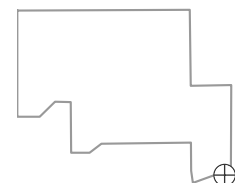
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

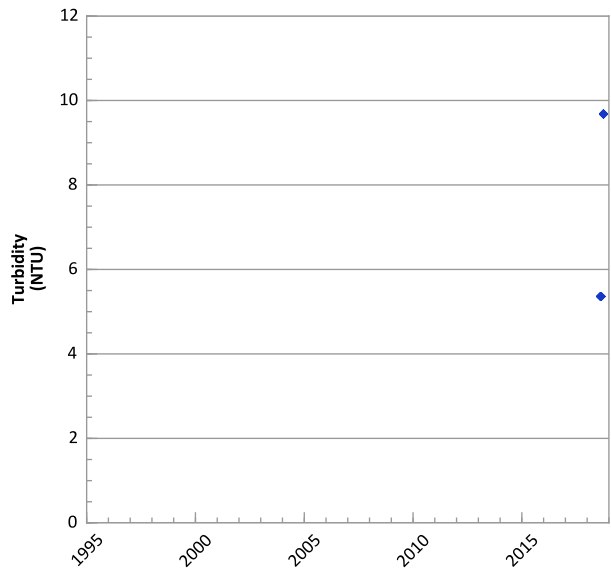
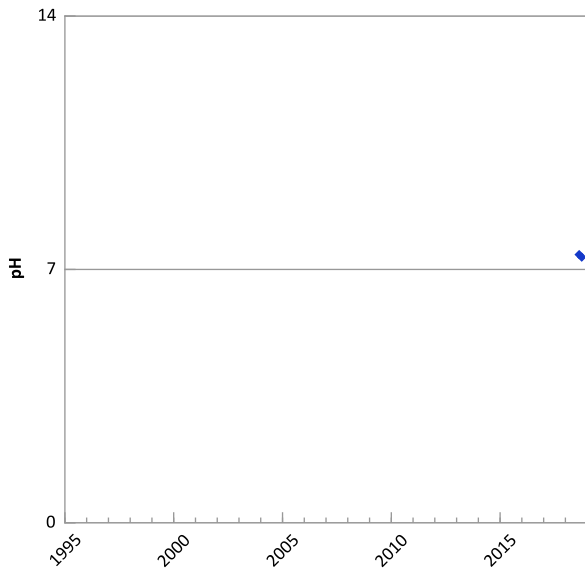
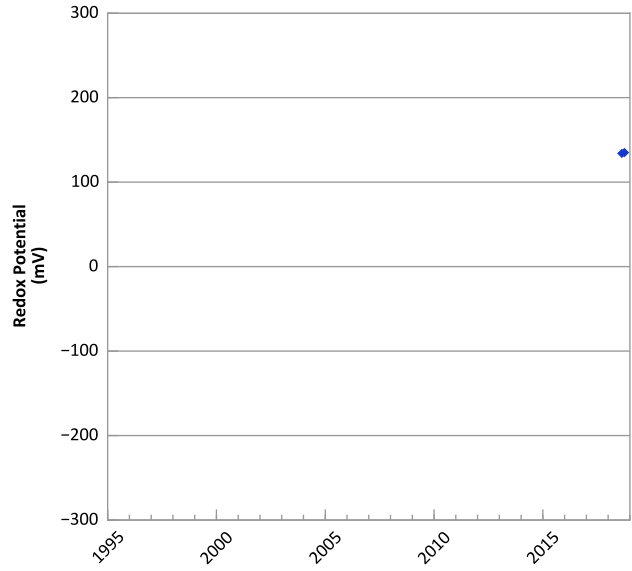
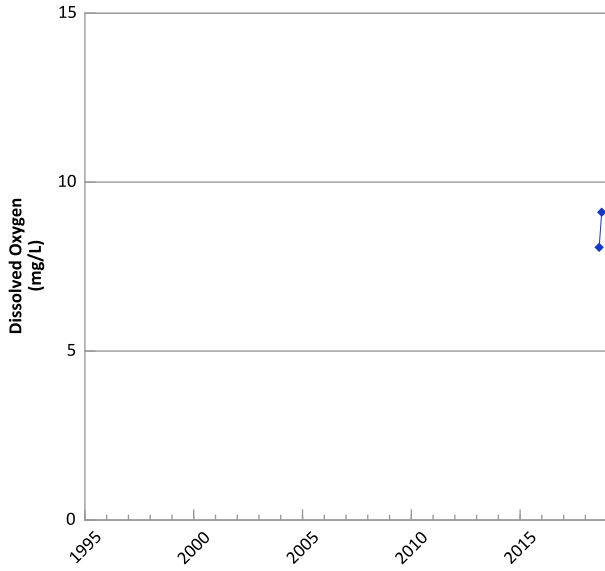
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 02/13/2018 to 10/01/2018
Analysis Date: 02/14/2019

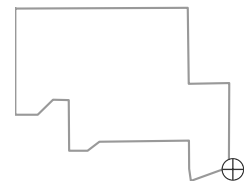
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

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



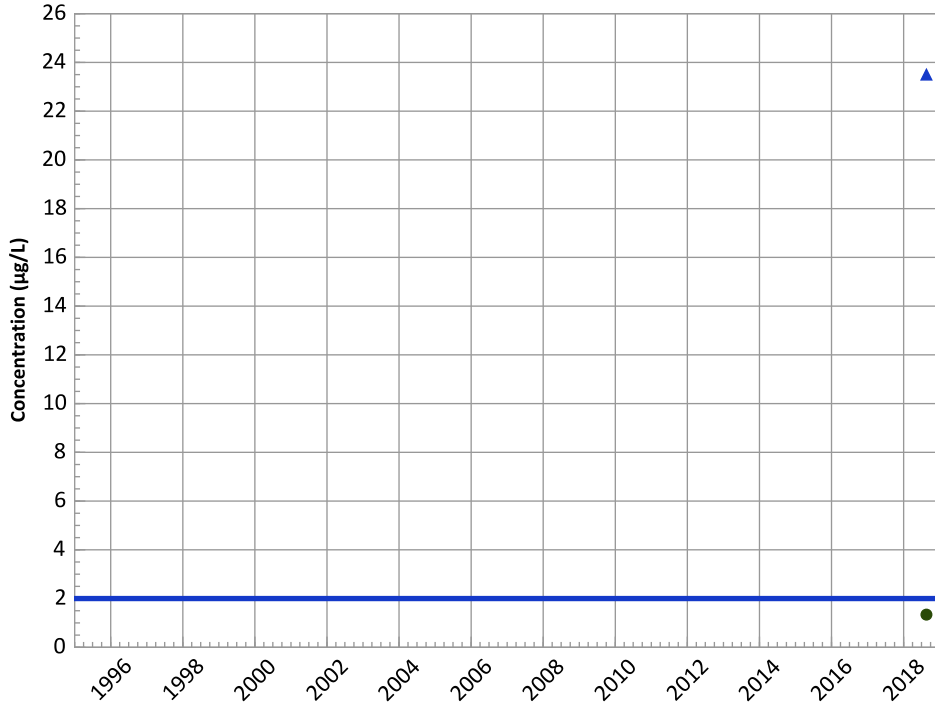
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/20/2018 to 10/02/2018
 Analysis Date: 02/14/2019

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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

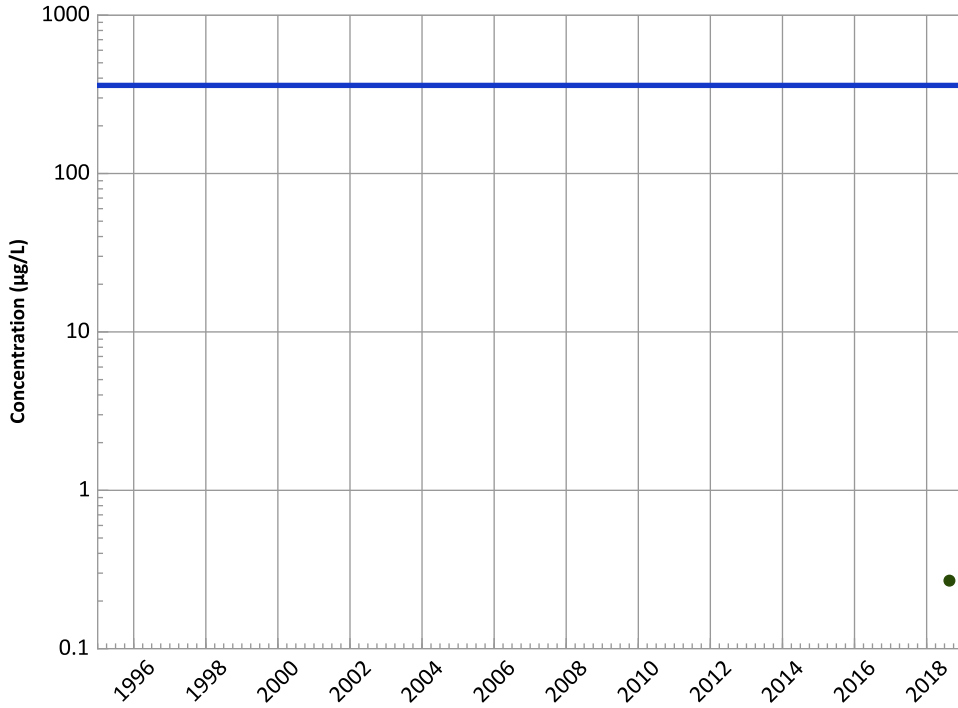
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

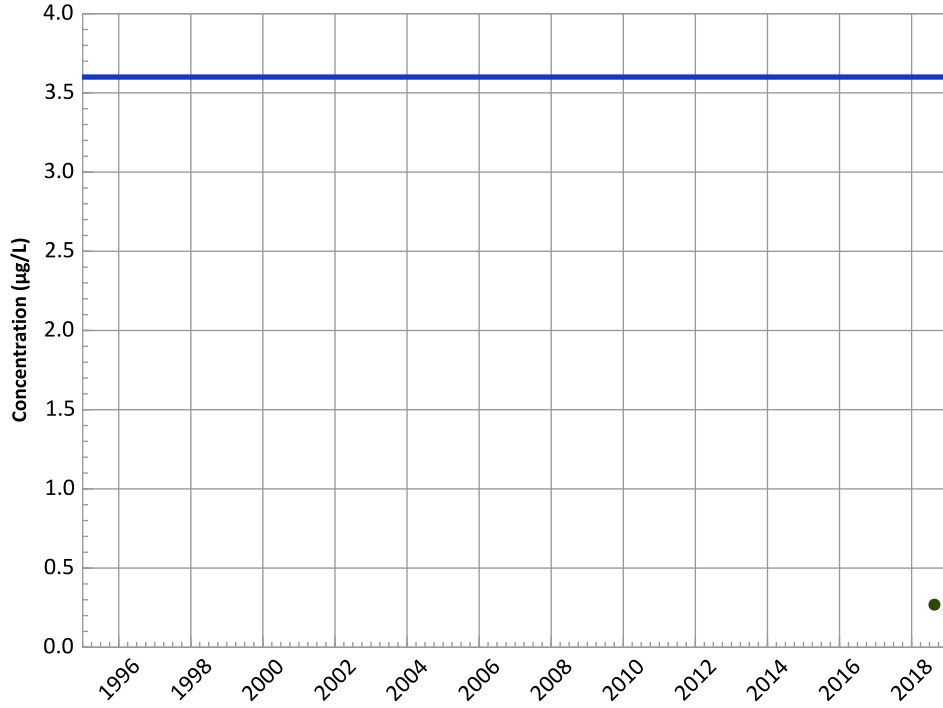


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

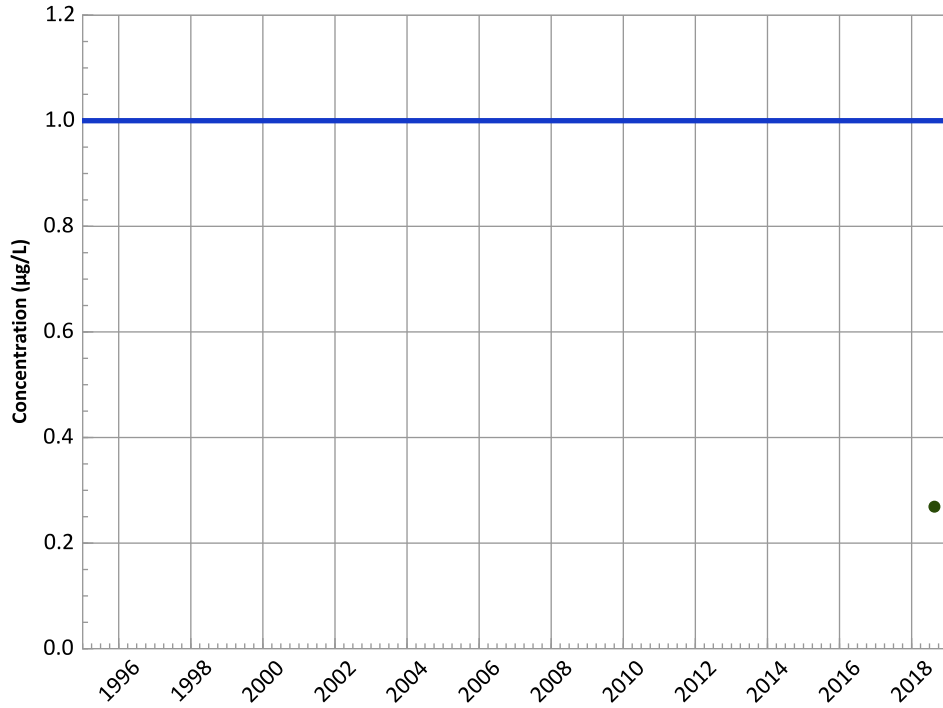
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

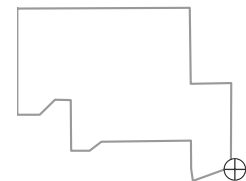
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

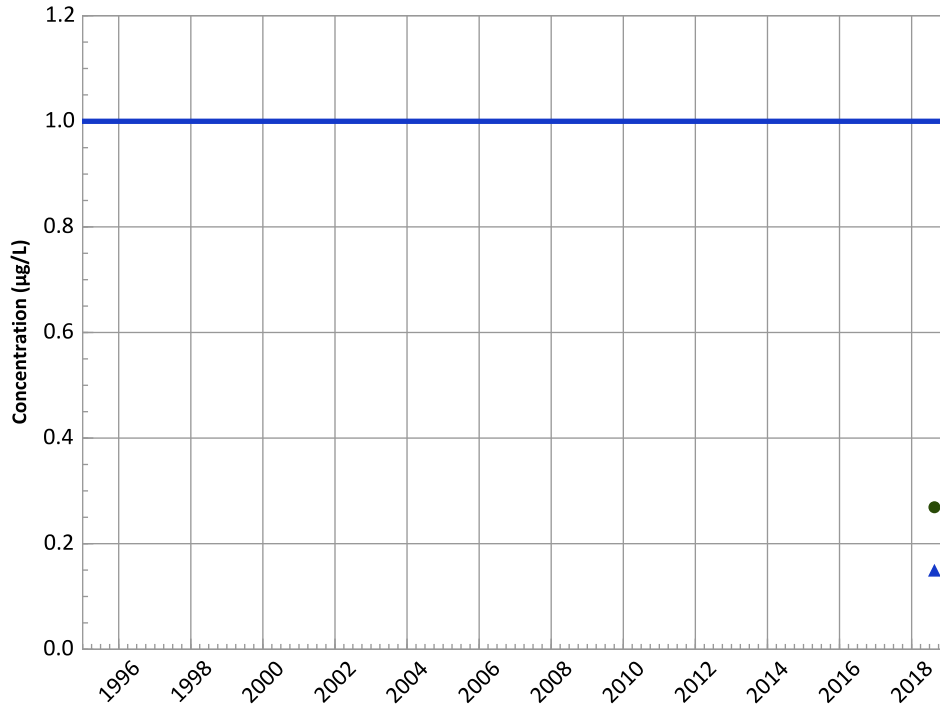


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

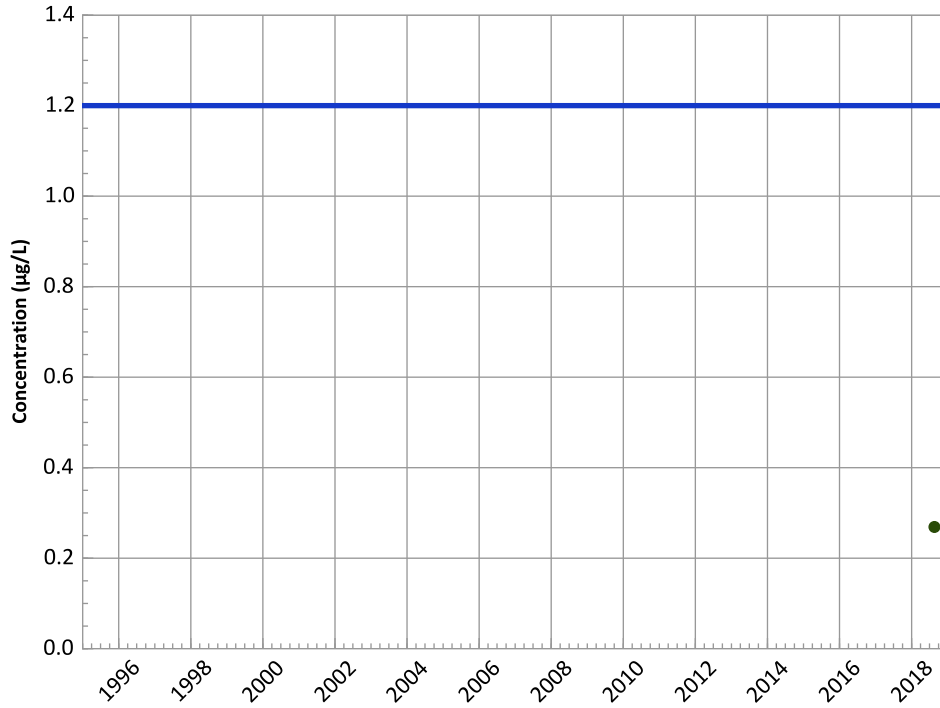


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Well Location

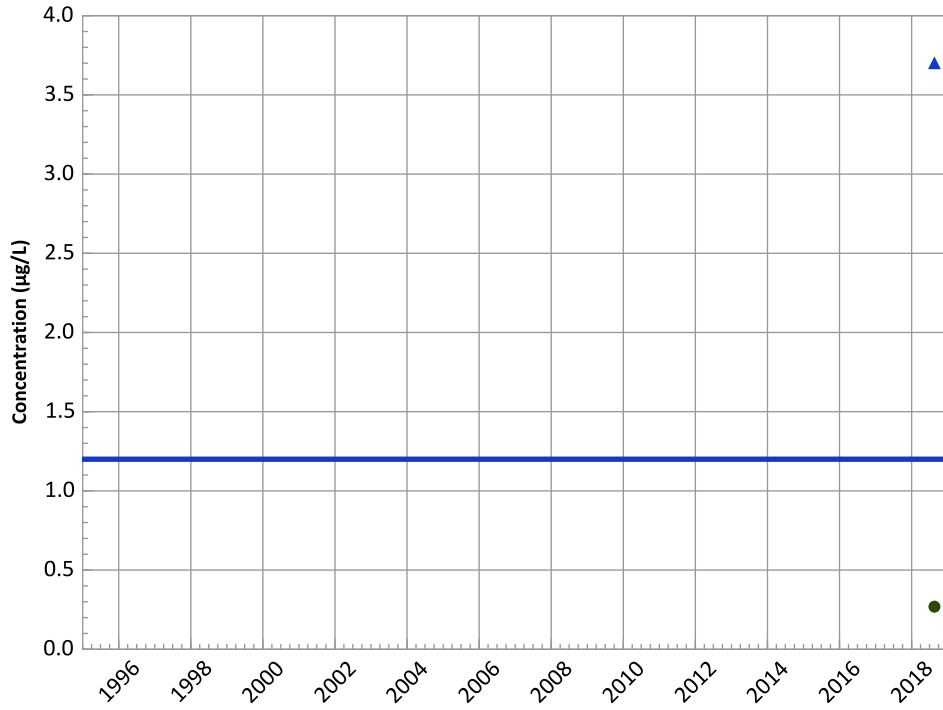


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

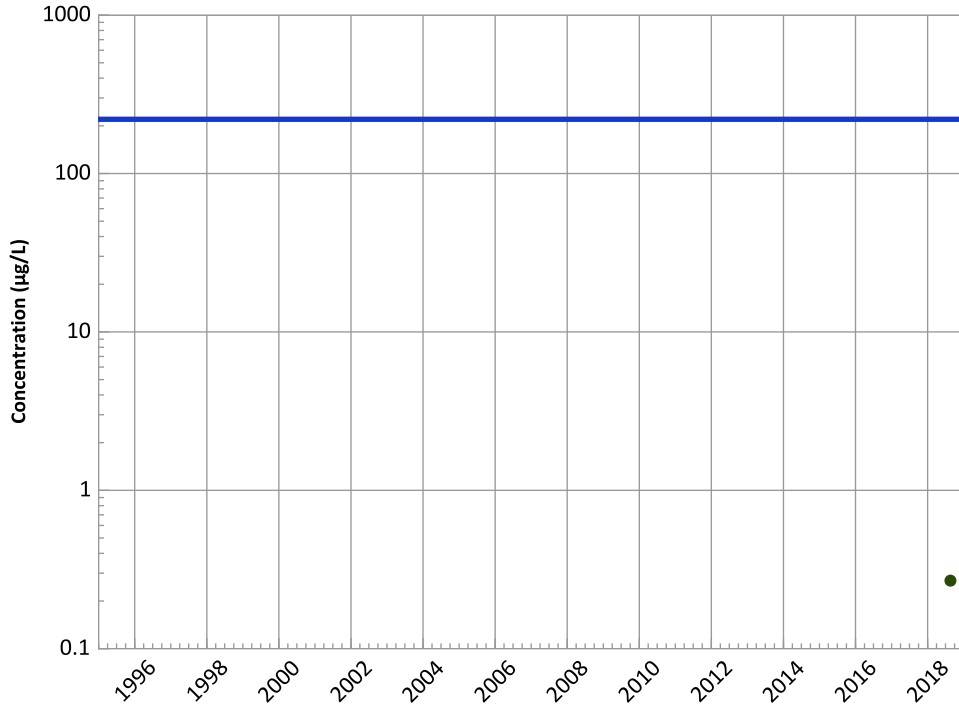
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

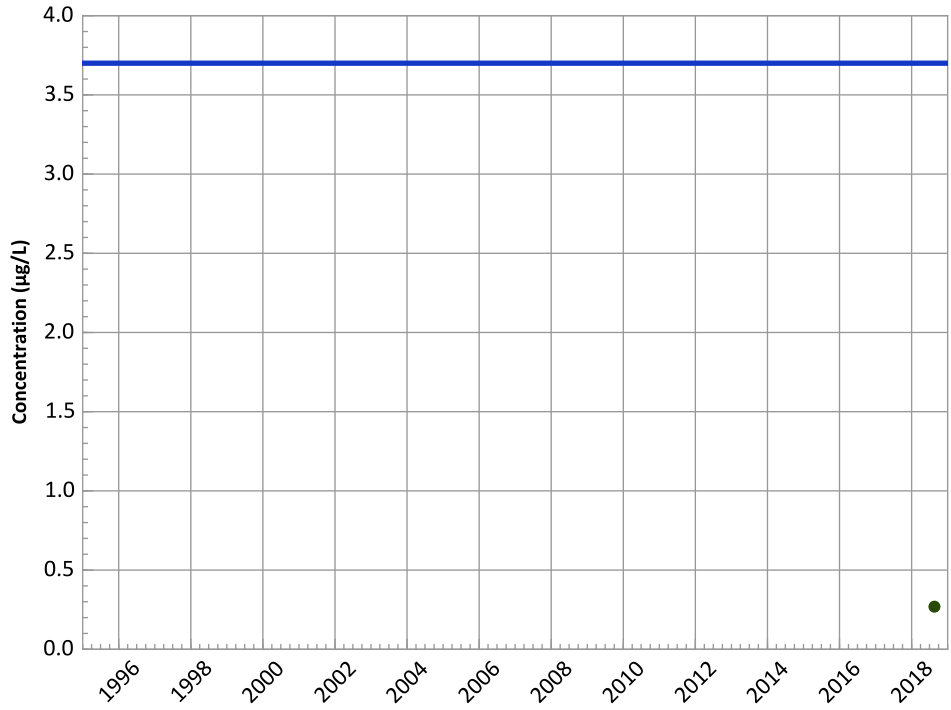
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,3-Dinitrobenzene Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

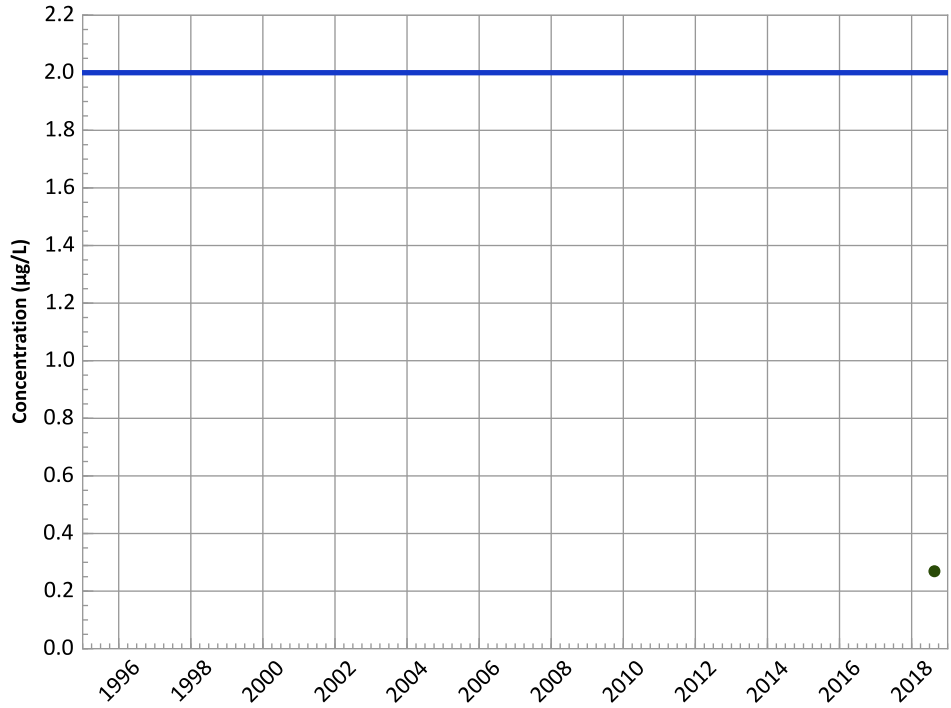
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Hexahydro-1-Nitroso-3,5-Dinitro-1,3,5-Triazine (MNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

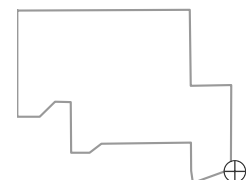
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Well Location

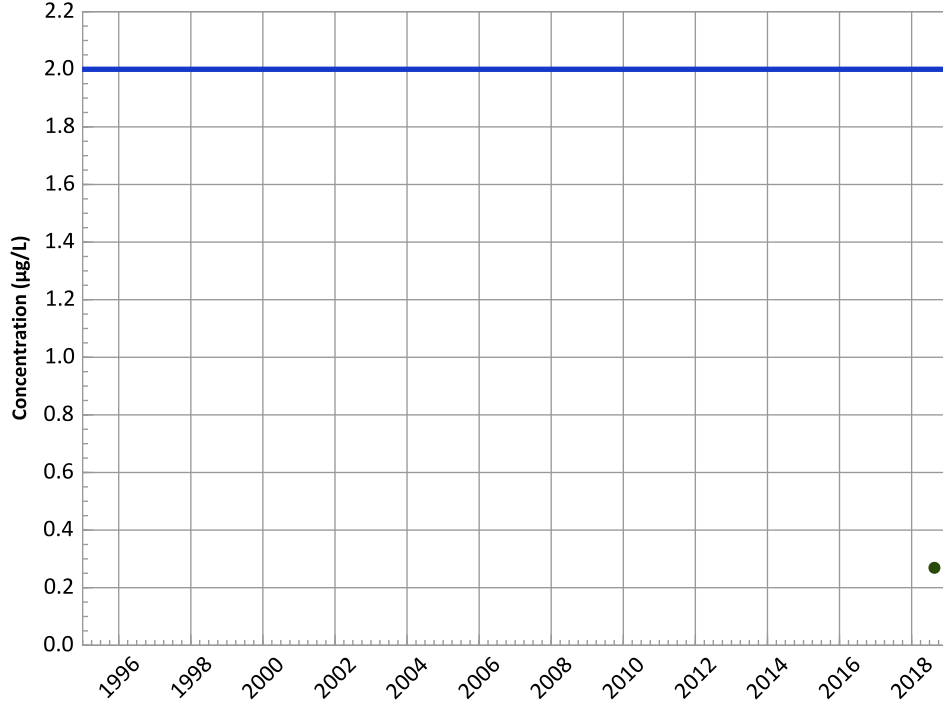


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

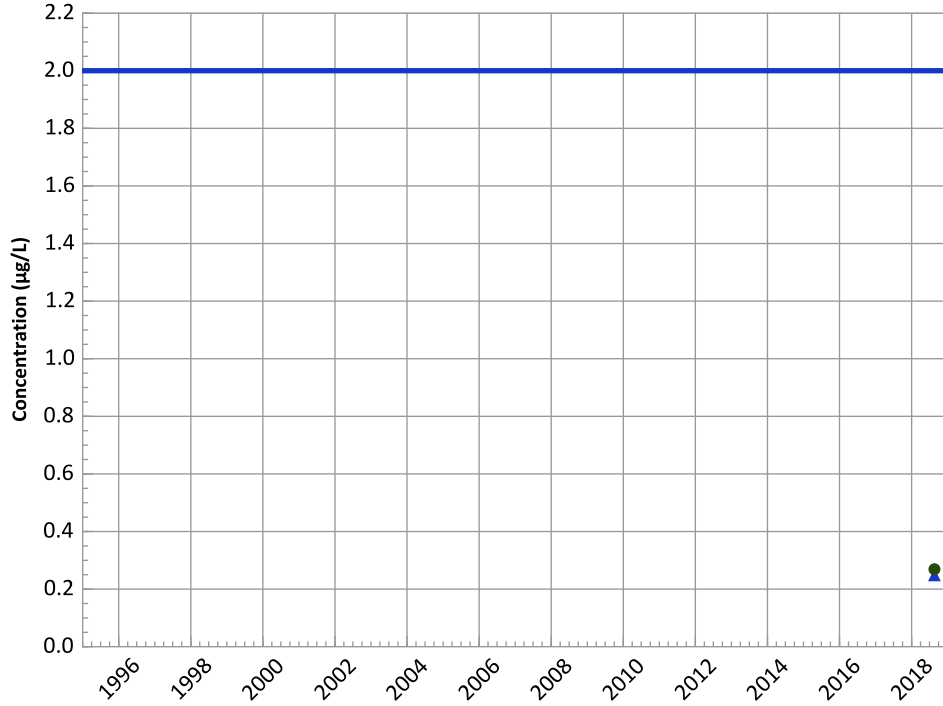
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Hexahydro-1,3,5-Trinitroso-1,3,5-Triazine (TNX) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

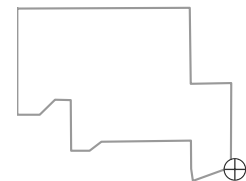
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

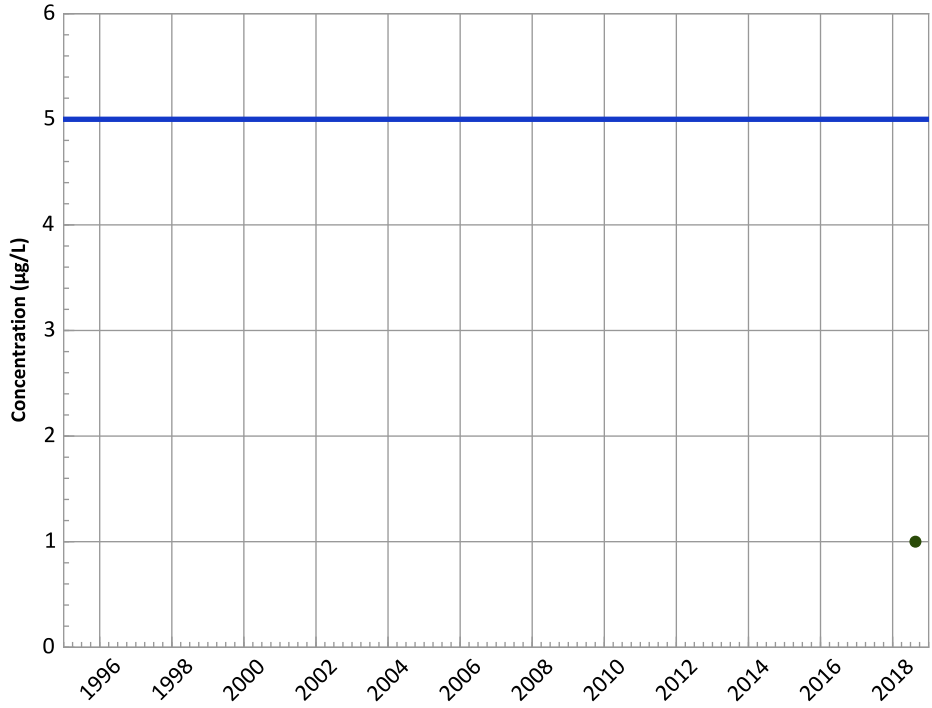
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

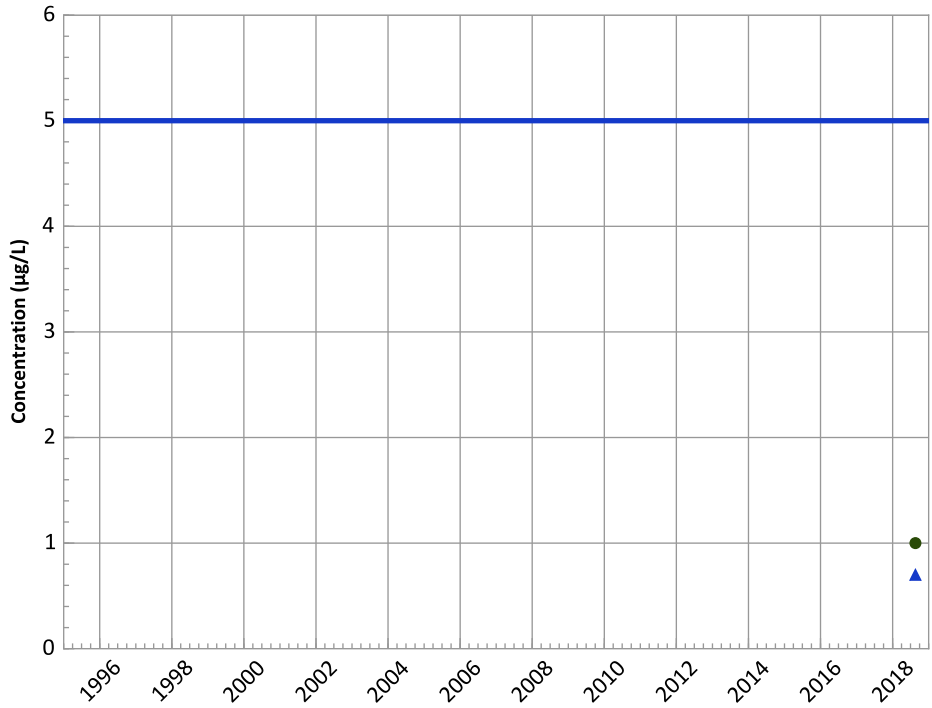
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

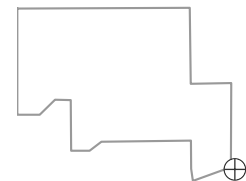
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

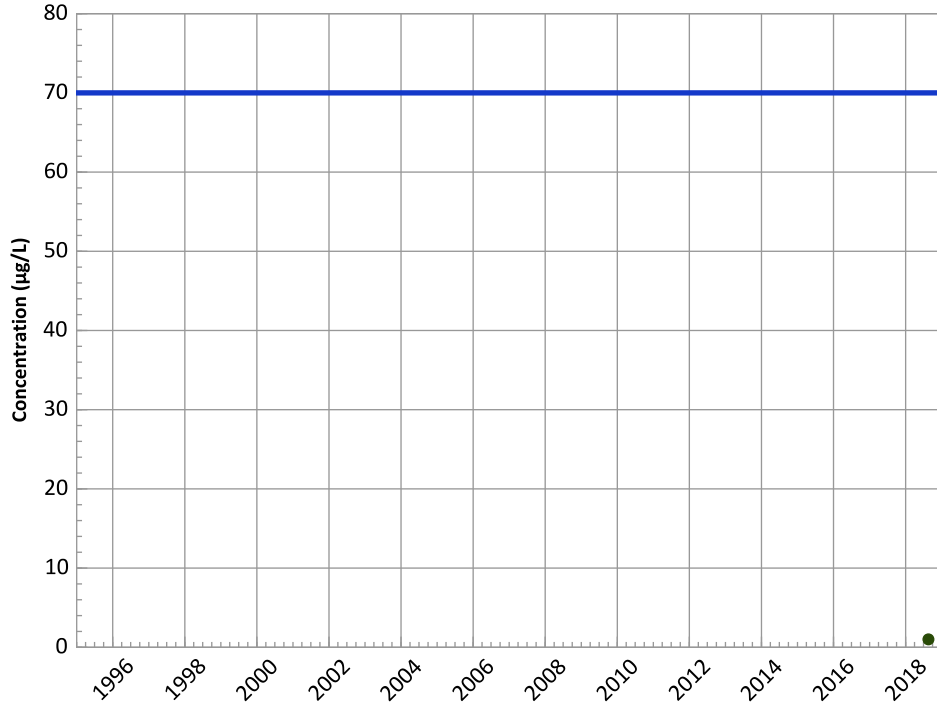


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend

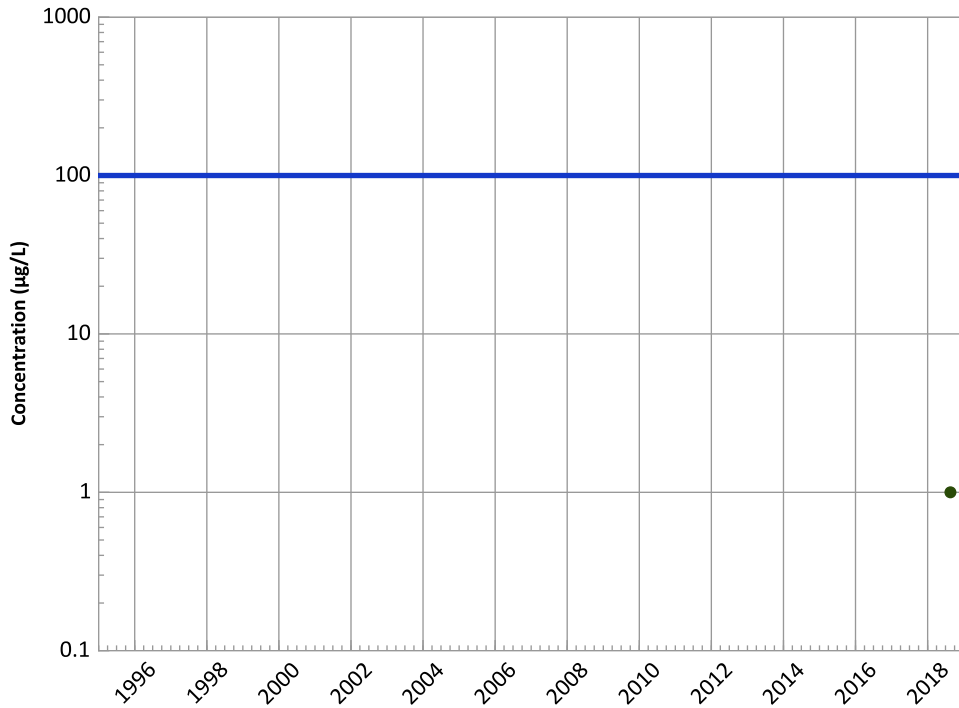


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

trans-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

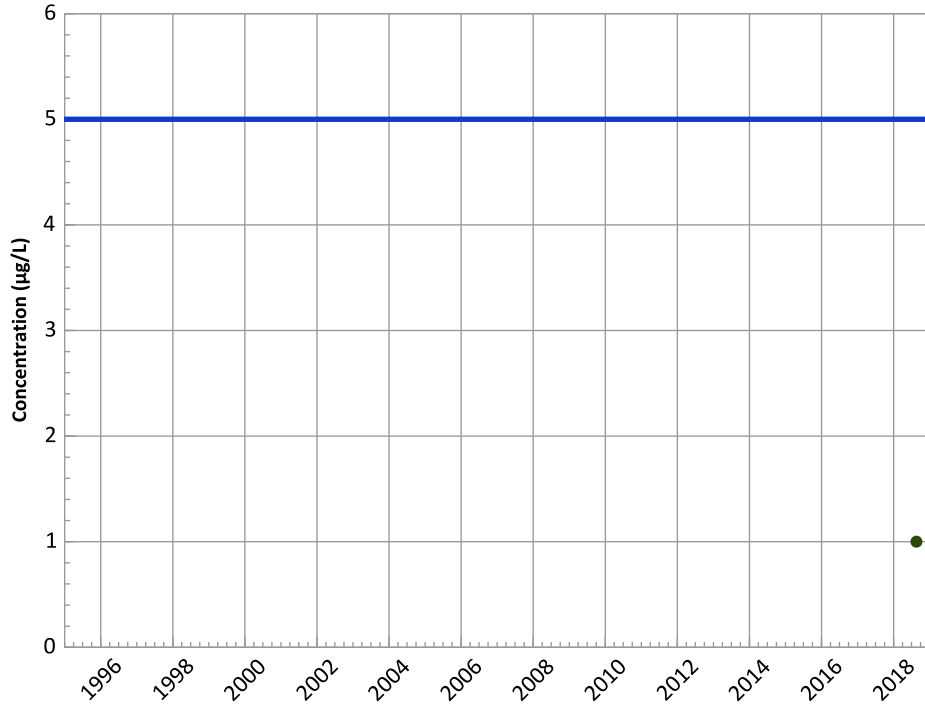
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

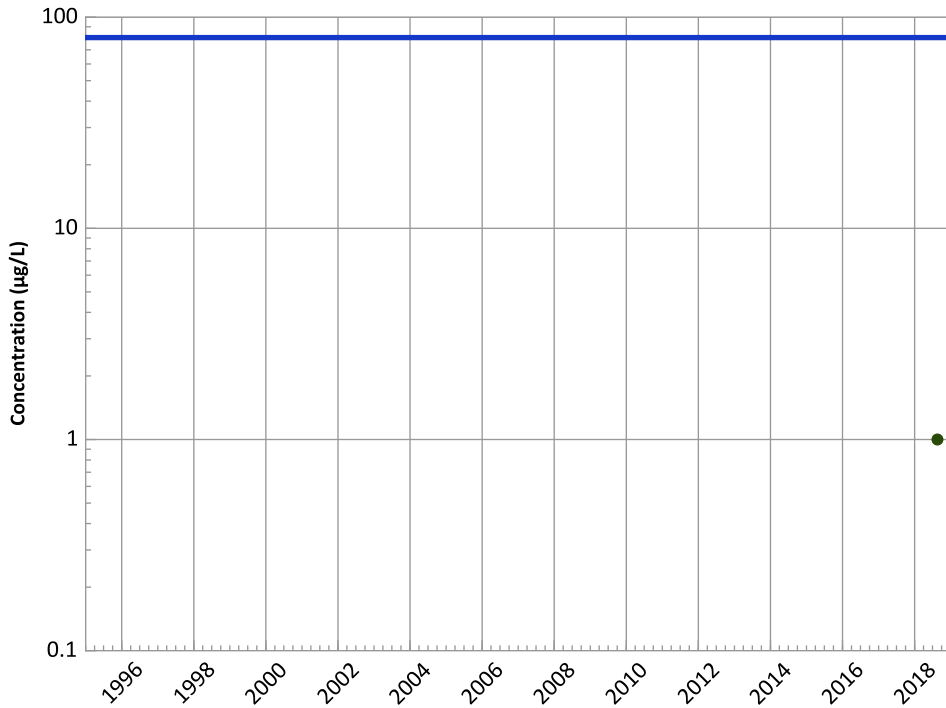


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

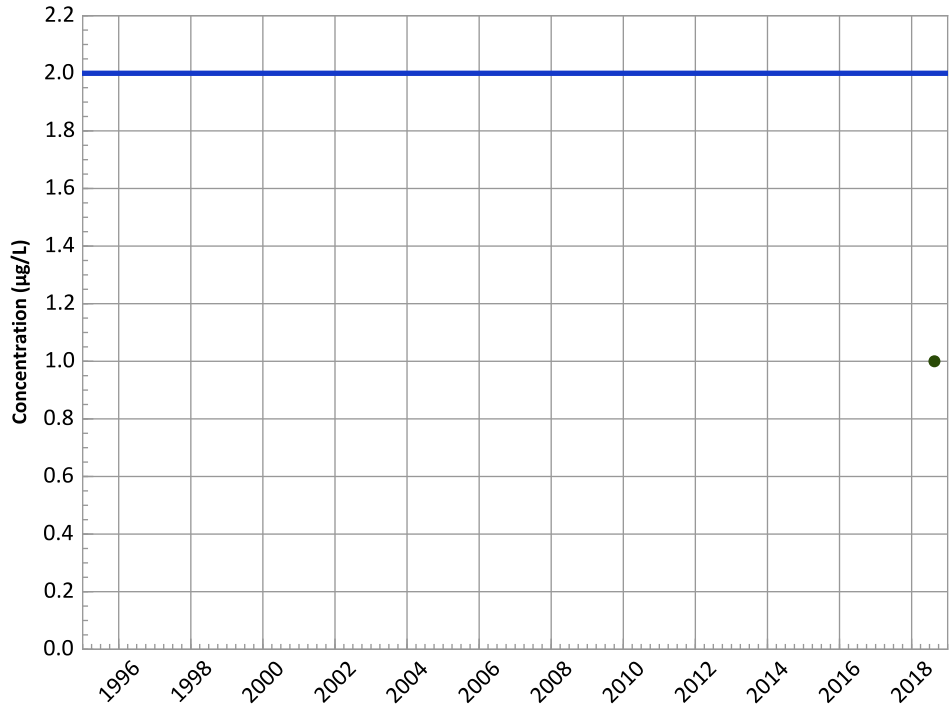
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant
Vinyl Chloride Trend**

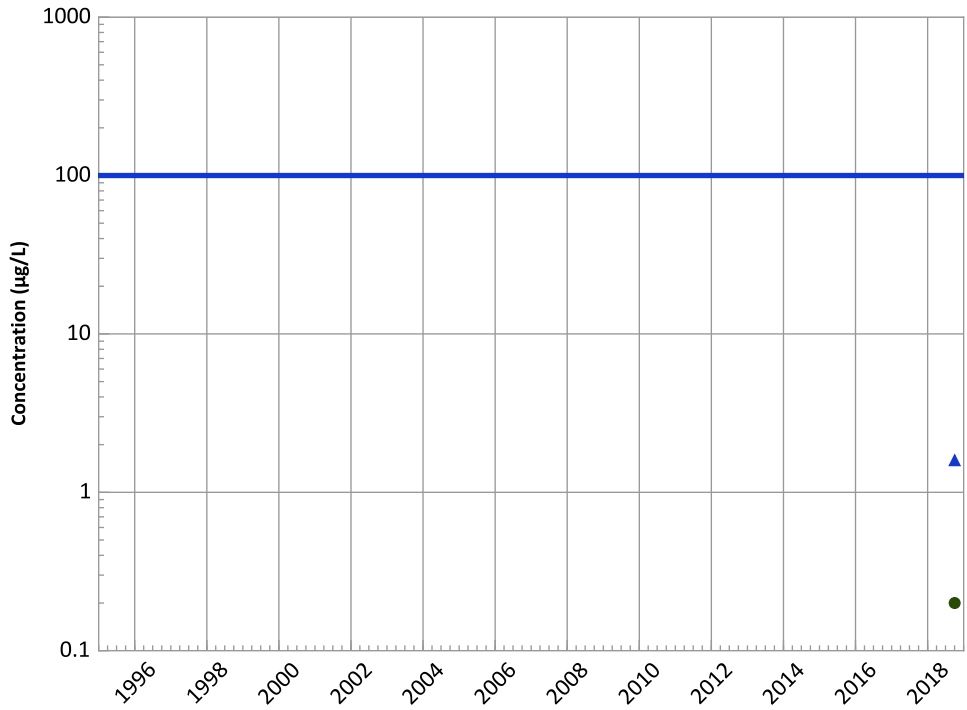


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

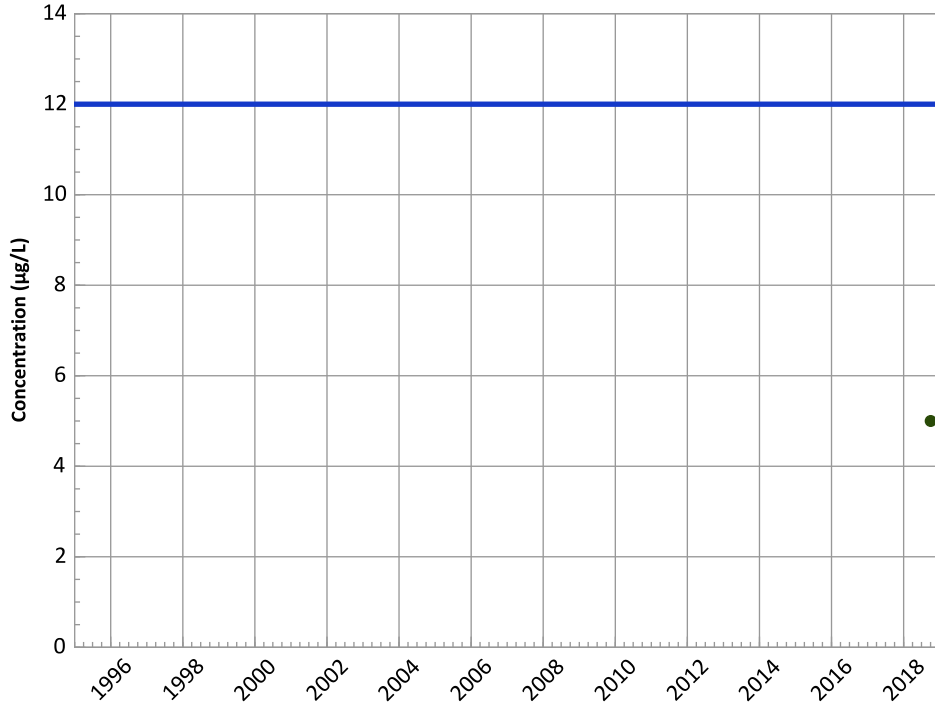


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ 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 (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

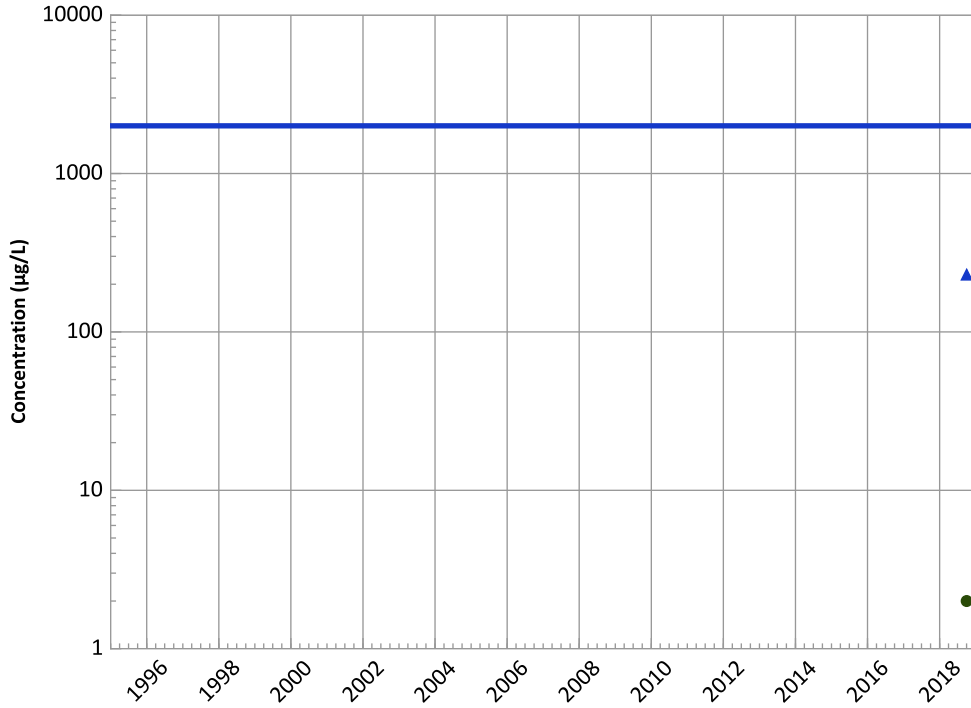
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

Barium Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Samples in Dataset)

MAROS Linear Regression Method

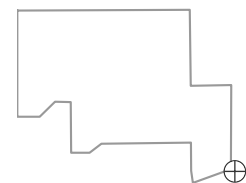
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

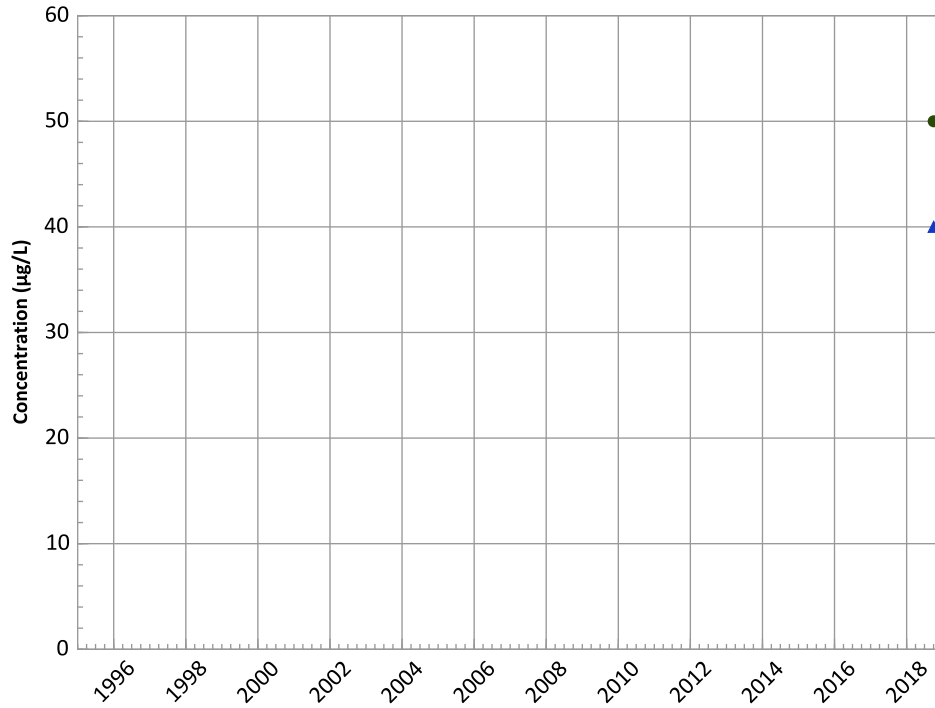


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant

Iron Trend

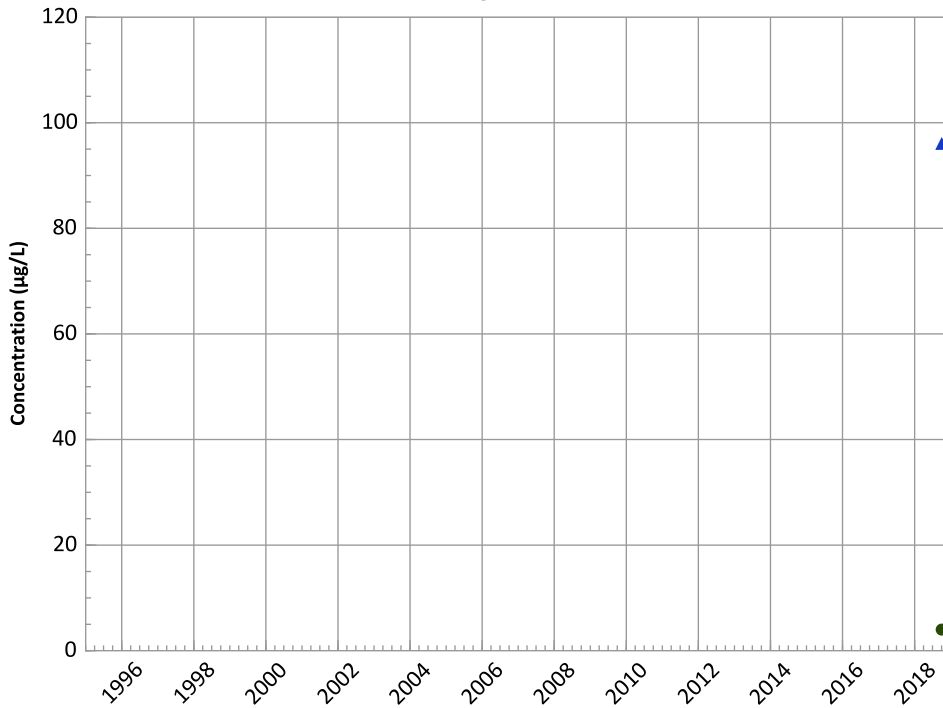


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location

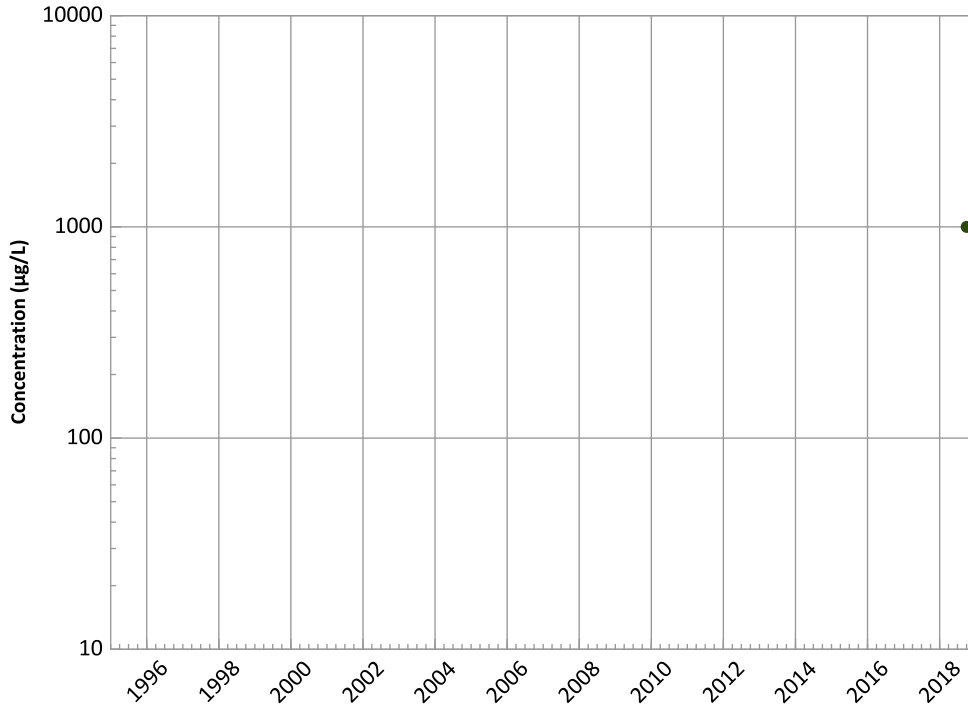


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1196 in Perched Aquifer
USDOE/NNSA Pantex Plant

Total Organic Carbon Trend

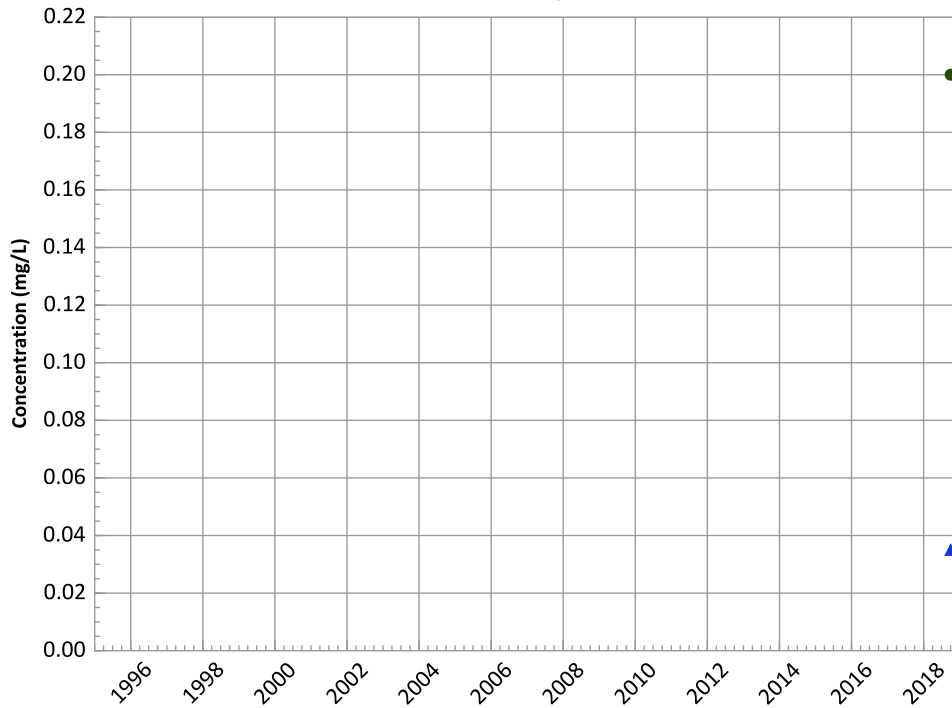


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
All Non-Detect

Total Volatile Fatty Acids Trend

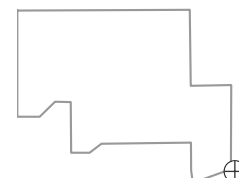


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Samples in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Samples in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/20/2018 to 10/02/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Ogallala Aquifer Well Analyte Concentration Trends

Ogallala Aquifer Well 2018 Analyte Trend Summary

Well	COC	First Date	Last Date	NumS_AD	NumD_AD	AIIND_AD	CV_AD	MKS_AD	Conf_AD	Trend_AD	NumS_L4S	NumD_L4S	AIIND_L4S	CV_L4S	MKS_L4S	Conf_L4S	Trend_L4S	NumS_SSRA	NumD_SSRA	AIIND_SSRA	CV_SSRA	MKS_SSRA	Conf_SSRA	Trend_SSRA
PTX01-1010	RDX	4/26/2000	8/9/2018	51	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	HMX	4/26/2000	8/9/2018	51	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	TNT	4/26/2000	8/9/2018	51	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DNT24	4/26/2000	8/9/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DNT26	4/26/2000	8/9/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DNT2A	4/26/2000	8/9/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DNT4A	4/26/2000	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	TNB135	4/26/2000	8/9/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DNB13	4/26/2000	8/9/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DIOXANE14	2/21/2002	8/9/2018	17	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	PCE	4/26/2000	8/9/2018	52	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	TCE	4/26/2000	8/9/2018	52	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DCE12C	4/26/2000	8/9/2018	52	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	DCA12	4/26/2000	8/9/2018	44	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	TCLME	4/26/2000	8/9/2018	42	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	PERC	11/1/2001	8/9/2018	50	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1010	B	4/26/2000	8/9/2018	43	43	No	0.1208	-254.00	1	Decreasing	4	4	No	0.08188	-4.00	1	Decreasing	19	19	No	0.1017551	-38.00	1	Decreasing
PTX01-1010	MN	4/26/2000	8/9/2018	38	19	No	4.3904	-31.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	12	10	No	0.6686732	-3.00	1	Decreasing
PTX01-1011	RDX	1/28/2002	8/9/2018	37	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	20	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX01-1011	HMX	1/28/2002	8/9/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	TNT	1/28/2002	8/9/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DNT24	1/28/2002	8/9/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DNT26	1/28/2002	8/9/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DNT2A	1/28/2002	8/9/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DNT4A	1/28/2002	8/9/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	TNB135	1/28/2002	8/9/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DNB13	1/28/2002	8/9/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DIOXANE14	8/1/2002	8/9/2018	13	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	PCE	1/28/2002	8/9/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	TCE	1/28/2002	8/9/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DCE12C	1/28/2002	8/9/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	DCA12	1/28/2002	8/9/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	TCLME	1/28/2002	8/9/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1011	PERC	1/28/2002	8/9/2018	32	32	No	0.0863	-101.00	1	Decreasing	4	4	No	0.03908	-2.00	1	Decreasing	19	19	No	0.0897689	-18.00	1	Decreasing
PTX01-1011	MN	1/28/2002	8/9/2018	27	18	No	2.3502	-59.00	1	Decreasing	4	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	12	8	No	1.4610079	-8.00	1	Decreasing
PTX01-1012	RDX	4/28/2003	7/30/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	HMX	4/28/2003	7/30/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	TNT	4/28/2003	7/30/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DNT24	4/28/2003	7/30/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DNT26	4/28/2003	7/30/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DNT2A	4/28/2003	7/30/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DNT4A	4/28/2003	7/30/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	TNB135	4/28/2003	7/30/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DNB13	4/28/2003	7/30/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DIOXANE14	4/28/2003	7/30/2018	13	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	PCE	6/1/2000	7/30/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	TCE	6/1/2000	7/30/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DCE12C	6/1/2000	7/30/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	DCA12	6/1/2000	7/30/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	TCLME	6/1/2000	7/30/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	PERC	4/28/2003	7/30/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1012	B	4/28/2003	7/30/2018	29	29	No	0.09808	30.00	0.705	No Trend	4	4	No	0.06501	0.00	0.375	Stable	19	19	No	0.0880253	21.00	0.755	No Trend
PTX01-1012	MN	4/28/2003	7/30/2018	24	18	No	0.7127	-13.00	1	Decreasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	9	No	0.7966415	-7.00	1	Decreasing
PTX01-1013	RDX	6/8/2000	7/30/2018	49	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1013	HMX	6/8/2000	7/30/2018	49	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1013	TNT	6/8/2000	7/30/2018	49	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1013	DNT24	6/8/2000	7/30/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1013	DNT26	6/8/2000	7/30/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1013	DNT2A	6/8/2000	7/30/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1013	DNT4A	6/8/2000	7/30/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX01-1013	TNB135	6/8/2000	7/30/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00									

Ogallala Aquifer Well 2018 Analyte Trend Summary

Well	COC	First Date	Last Date	NumS_AD	NumD_AD	AIIND_AD	CV_AD	MKS_AD	Conf_AD	Trend AD	NumS_L4S	NumD_L4S	AIIND_L4S	CV_L4S	MKS_L4S	Conf_L4S	Trend L4S	NumS_SSRA	NumD_SSRA	AIIND_SSRA	CV_SSRA	MKS_SSRA	Conf_SSRA	Trend SSRA
PTX06-1043	NI	10/14/1999	8/1/2018	32	23	No	0.9991	-170.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	17	No	0.4247858	54.00	0.9685	Increasing
PTX06-1043	ROX	10/14/1999	8/1/2018	32	31	No	0.4457	-42.00	1	Decreasing	4	4	No	0.05376	4.00	0.833	No Trend	19	19	No	0.0462178	16.00	0.698	No Trend
PTX06-1044	MD	10/13/1999	11/5/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	HMX	10/13/1999	11/5/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	TNT	10/13/1999	11/5/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	DNT24	10/13/1999	11/5/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	DNT26	10/13/1999	11/5/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	DNT2A	10/13/1999	11/5/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	DNT4A	10/13/1999	11/5/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	TNB135	1/25/2000	11/5/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	DNB13	10/13/1999	11/5/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	PCE	10/13/1999	11/5/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	TCE	10/13/1999	11/5/2018	39	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	DCE12C	8/1/2002	11/5/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	DCA12	10/13/1999	11/5/2018	34	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	TCLME	10/13/1999	11/5/2018	33	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	PERC	10/13/1999	11/5/2018	39	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1044	BR	10/13/1999	11/5/2018	37	37	No	0.1023	61.00	0.782	No Trend	4	4	No	0.07989	4.00	0.833	No Trend	19	19	No	0.0584308	-12.00	1	Decreasing
PTX06-1044	CR	10/13/1999	11/5/2018	40	37	No	3.1589	-119.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	16	No	0.3286072	-22.00	1	Decreasing
PTX06-1044	CR-6	10/13/1999	11/5/2018	38	11	No	0.2816	-174.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	8	No	0.3341107	-90.00	1	Decreasing
PTX06-1044	MN	10/13/1999	11/5/2018	36	18	No	0.5939	-196.00	1	Decreasing	4	18	No	0	0.00	0	All Non-Detect	19	8	No	0.2225776	56.00	0.973	Increasing
PTX06-1044	NI	10/13/1999	11/5/2018	38	31	No	2.1355	-384.00	1	Decreasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	15	No	0.257838	-29.00	1	Decreasing
PTX06-1044	MO	10/13/1999	11/5/2018	36	36	No	0.2093	-265.00	1	Decreasing	4	4	No	0.0681	2.00	0.625	No Trend	19	19	No	0.0764134	-69.00	1	Decreasing
PTX06-1056	RDX	8/20/2001	10/29/2018	46	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	HMX	8/20/2001	10/29/2018	46	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	TNT	8/20/2001	10/29/2018	46	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	DNT24	8/20/2001	10/29/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	DNT26	8/20/2001	10/29/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	DNT2A	8/20/2001	10/29/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	DNT4A	8/20/2001	10/29/2018	43	21	No	0.4789	415.00	1	Increasing	4	4	No	0.16457	2.00	0.625	No Trend	28	21	No	0.3475369	320.00	1	Increasing
PTX06-1056	TNB135	8/20/2001	10/29/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	DNB13	8/20/2001	10/29/2018	41	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	28	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	PCE	8/20/2001	10/29/2018	45	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	26	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1056	TCE	8/20/2001	10/29/2018	46	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	26	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	DCE12C	8/20/2001	10/29/2018	44	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	26	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	DCA12	8/20/2001	10/29/2018	41	13	No	0.7225	157.00	1	Increasing	4	4	No	0.06601	-1.00	1	Decreasing	26	13	No	0.2234429	129.00	0.998	Increasing
PTX06-1056	TCLME	8/9/2000	10/29/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	26	0	Yes	0	0.00	0	All Non-Detect
PTX06-1056	BR	8/20/2001	7/17/2018	34	34	No	0.1136	-12.00	1	Decreasing	4	4	No	0.0955	3.00	0.729	No Trend	19	19	No	0.1008559	-2.00	1	Decreasing
PTX06-1056	CR	8/20/2001	7/17/2018	34	21	No	0.9281	98.00	0.924	Probably Increasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	11	No	0.9003643	-66.00	1	Decreasing
PTX06-1056	CR-6	8/20/2001	7/17/2018	35	8	No	0.3674	-182.00	1	Decreasing	4	4	No	0.09425	0.00	0.375	Stable	19	7	No	0.4172692	-106.00	1	Decreasing
PTX06-1056	MN	8/20/2001	7/17/2018	33	13	No	1.2929	-167.00	1	Decreasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	20	4	No	0.8462885	-43.00	1	Decreasing
PTX06-1056	NI	8/20/2001	7/17/2018	32	25	No	0.9444	-184.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	15	No	0.7954771	-28.00	1	Decreasing
PTX06-1056	MO	8/20/2001	7/17/2018	32	31	No	0.0977	4.00	0.519	No Trend	4	4	No	0.03025	0.00	0.375	Stable	19	19	No	0.0599647	46.00	0.942	Probably Increasing
PTX06-1057A	RDX	8/13/2001	4/24/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	HMX	8/13/2001	4/24/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	TNT	8/13/2001	4/24/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	DNT24	8/13/2001	4/24/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	DNT26	8/13/2001	4/24/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	DNT2A	8/13/2001	4/24/2018	20	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	DNT4A	8/13/2001	4/24/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	TNB135	8/13/2001	4/24/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A	DNB13	8/13/2001	4/24/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1057A																								

Ogallala Aquifer Well 2018 Analyte Trend Summary

Well	COC	First Date	Last Date	NumS_AD	NumD_AD	AI/ND_AD	CV_AD	MKS_AD	Conf_AD	Trend AD	NumS_L4S	NumD_L4S	AI/ND_L4S	CV_L4S	MKS_L4S	Conf_L4S	Trend L4S	NumS_SSRA	NumD_SSRA	AI/ND_SSRA	CV_SSRA	MKS_SSRA	Conf_SSRA	Trend SSRA
PTX06-1061	DIOXANE14	4/28/2003	4/23/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect
PTX06-1061	PCE	4/28/2003	4/23/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1061	TCE	4/28/2003	4/23/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1061	DCE12C	4/28/2003	4/23/2018	26	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1061	DCA12	4/28/2003	4/23/2018	21	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1061	TCLME	4/28/2003	4/23/2018	22	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1061	PERC	4/28/2003	4/23/2018	25	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1061	B	4/28/2003	4/23/2018	21	21	No	0.1	11.00	0.6175	No Trend	4	4	No	0.08156	4.00	0.833	No Trend	10	10	No	0.1040723	9.00	1	Increasing
PTX06-1061	MN	4/28/2003	4/23/2018	20	8	No	0.2795	-2.00	1	Decreasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	7	4	No	0.2997268	8.00	0.845	No Trend
PTX06-1062A	RDX	8/21/2001	8/9/2018	51	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	20	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1062A	HMX	8/21/2001	8/9/2018	50	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	TNT	8/21/2001	8/9/2018	50	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DNT24	8/21/2001	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DNT26	8/21/2001	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DNT2A	8/21/2001	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DNT4A	8/21/2001	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	TNB135	8/21/2001	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DNB13	8/21/2001	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DIOXANE14	8/2/2002	8/9/2018	16	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	PCE	8/21/2001	8/9/2018	50	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	TCE	8/21/2001	8/9/2018	51	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DCE12C	8/21/2001	8/9/2018	50	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	DCA12	8/21/2001	8/9/2018	42	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	B	8/21/2001	8/9/2018	40	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	PERC	8/21/2001	8/9/2018	50	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1062A	B	8/21/2001	8/9/2018	43	43	No	0.0875	-75.00	1	Decreasing	4	4	No	0.06762	-4.00	1	Decreasing	19	19	No	0.091135	8.00	0.5955	No Trend
PTX06-1062A	MN	8/21/2001	8/9/2018	37	24	No	2.2352	-128.00	1	Decreasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	12	10	No	1.146681	-27.00	1	Decreasing
PTX06-1064	RDX	4/21/2003	11/7/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	HMX	4/21/2003	11/7/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	TNT	4/21/2003	11/7/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	DNT24	4/21/2003	11/7/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	DNT26	4/21/2003	11/7/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	DNT2A	4/21/2003	11/7/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	TNB135	4/21/2003	11/7/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	DNB13	4/21/2003	11/7/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	DIOXANE14	5/21/2003	11/7/2018	14	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	PCE	4/21/2003	11/7/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	TCE	4/21/2003	11/7/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	DCE12C	4/21/2003	11/7/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	DCA12	4/21/2003	11/7/2018	37	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	TCLME	4/21/2003	11/7/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	PERC	4/21/2003	11/7/2018	45	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1064	B	4/21/2003	11/7/2018	37	37	No	0.0873	-29.00	1	Decreasing	4	4	No	0.03821	-2.00	1	Decreasing	19	19	No	0.0896754	-26.00	0	All Non-Detect
PTX06-1064	MN	4/21/2003	11/7/2018	32	14	No	0.2732	-48.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	12	5	No	0.2705767	25.00	0.9495	Probably Increasing
PTX06-1068	RDX	11/13/2002	10/22/2018	46	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	HMX	11/13/2002	10/22/2018	46	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	TNT	11/13/2002	10/22/2018	46	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	DNT24	11/13/2002	10/22/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	DNT26	11/13/2002	10/22/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	DNT2A	11/13/2002	10/22/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	DNT4A	11/13/2002	10/22/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	TNB135	11/13/2002	10/22/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	DNB13	11/13/2002	10/22/2018	36	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1068	DIOXANE14</																							

Ogallala Aquifer Well 2018 Analyte Trend Summary

Well	COC	First Date	Last Date	NumS_AD	NumD_AD	AIIND_AD	CV_AD	MKS_AD	Conf_AD	Trend AD	NumS_L4S	NumD_L4S	AIIND_L4S	CV_L4S	MKS_L4S	Conf_L4S	Trend L4S	NumS_SSRA	NumD_SSRA	AIIND_SSRA	CV_SSRA	MKS_SSRA	Conf_SSRA	Trend SSRA
PTX06-1076	DNB13	6/18/2002	10/29/2018	30	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1076	PCE	6/18/2002	10/29/2018	35	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1076	TCE	6/18/2002	10/29/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1076	DCE12C	6/18/2002	10/29/2018	35	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1076	DCA12	6/18/2002	10/29/2018	31	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1076	TCLME	6/18/2002	10/29/2018	30	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1076	PERC	6/18/2002	10/29/2018	32	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1076	B	6/18/2002	10/29/2018	31	31	No	0.088	-117.00	1	Decreasing	4	4	No	0.04427	-1.00	1	Decreasing	19	19	No	0.082729	-12.00	1	Decreasing
PTX06-1076	CR	6/18/2002	10/29/2018	35	24	No	0.4423	199.00	0.998	Increasing	4	0	Yes	0	0.00	0	All Non-Detect	19	9	No	0.2910976	8.00	0.5955	No Trend
PTX06-1076	CR-6	6/18/2002	10/29/2018	36	6	No	0.3498	-249.00	1	Decreasing	4	3	No	0.00	0.00	0	N/A (<4 Detections in Dataset)	19	4	No	0.4193725	-98.00	1	Decreasing
PTX06-1076	MN	6/18/2002	10/29/2018	33	23	No	0.9035	-123.00	1	Decreasing	4	2	No	0.00	0.00	0	N/A (<4 Detections in Dataset)	19	10	No	0.2889078	-15.00	1	Decreasing
PTX06-1076	NI	6/18/2002	10/29/2018	33	24	No	0.6818	-153.00	1	Decreasing	4	2	No	0.00	0.00	0	N/A (<4 Detections in Dataset)	19	16	No	0.4300436	-46.00	1	Decreasing
PTX06-1076	MO	6/18/2002	10/29/2018	33	33	No	0.1202	-68.00	1	Decreasing	4	4	No	0.01461	1.00	0.5	No Trend	19	19	No	0.0467974	15.00	0.686	No Trend
PTX06-1137A	RDX	11/10/2009	11/6/2018	21	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	2	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1137A	HMX	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	TNT	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	DNT24	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	DNT26	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	DNT2A	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	DNT4A	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	TNB135	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	DNB13	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	PCE	11/10/2009	11/6/2018	19	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1137A	TCE	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	DCE12C	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	DCA12	11/10/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1137A	TCLME	11/10/2009	11/6/2018	19	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1137A	B	11/10/2009	11/6/2018	19	19	No	0.1106	0.00	0.486	Stable	4	4	No	0.13008	4.00	0.833	No Trend	19	19	No	0.1105622	0.00	0.486	Stable
PTX06-1137A	CR	11/10/2009	11/6/2018	19	12	No	0.3146	-6.00	1	Decreasing	4	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	12	No	0.3145854	-6.00	1	Decreasing
PTX06-1137A	CR-6	11/10/2009	11/6/2018	19	5	No	0.4784	-106.00	1	Decreasing	4	4	No	0.58183	6.00	0.958	Increasing	19	5	No	0.4783593	-106.00	1	Decreasing
PTX06-1137A	MN	11/10/2009	11/6/2018	19	11	No	1.2338	-35.00	1	Decreasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	11	No	1.2337758	-35.00	1	Decreasing
PTX06-1137A	NI	11/10/2009	11/6/2018	19	17	No	0.4671	-99.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	17	No	0.467079	-99.00	1	Decreasing
PTX06-1137A	MO	11/10/2009	11/6/2018	19	19	No	0.0431	-4.00	1	Decreasing	4	4	No	0.06597	-1.00	1	Decreasing	19	19	No	0.0430991	-4.00	1	Decreasing
PTX06-1138	RDX	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	HMX	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	TNT	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	DNT24	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	DNT26	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	DNT2A	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	DNT4A	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	TNB135	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	DNB13	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	PCE	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	TCE	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	DCE12C	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	DCA12	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	TCLME	10/1/2009	11/6/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1138	B	10/1/2009	11/6/2018	19	19	No	0.0854	4.00	0.541	No Trend	4	4	No	0.12693	4.00	0.833	No Trend	19	19	No	0.0853659	4.00	0.541	No Trend
PTX06-1138	CR	10/1/2009	11/6/2018	20	12	No	1.6368	9.00	1	Increasing	4	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	20	12	No	1.6367595	9.00	1	Increasing
PTX06-1138	CR-6	10/1/2009	11/6/2018	20	7	No	1.1615	-62.00	1	Decreasing	4	4	No	1.68745	2.00	0.625	No Trend	20	7	No	1.1615302	-62.00	1	Decreasing
PTX06-1138	MN	10/1/2009	11/6/2018	20	16	No	1.3064	-12.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	20	16	No	1.3064003	-12.00	1	Decreasing
PTX06-1138	NI	10/1/2009	11/6/2018	20	18	No	1.4033	-97.00	1	Decreasing	4	3	No	0	0.00	0	N/A (<4 Detections in Dataset)	20	18	No	1.4032947	-97.00	1	Decreasing

Ogallala Aquifer Well 2018 Analyte Trend Summary

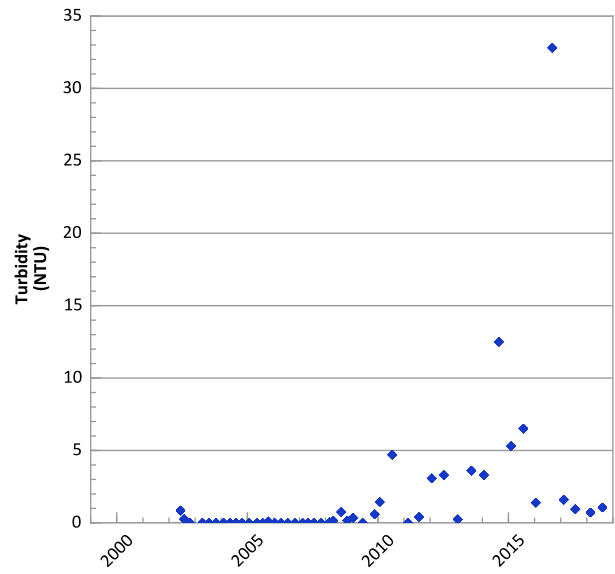
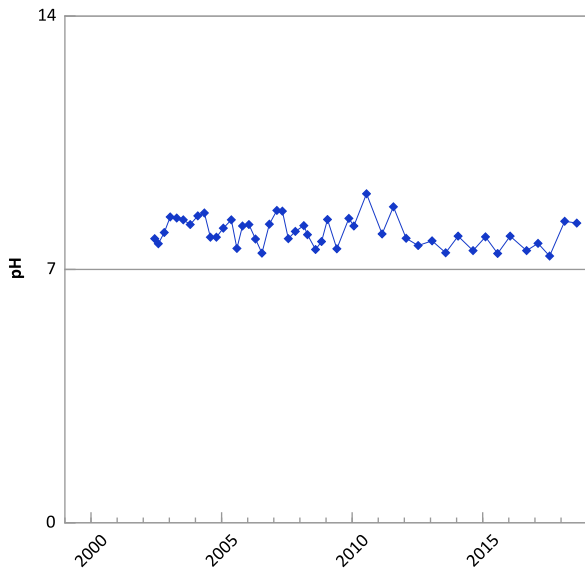
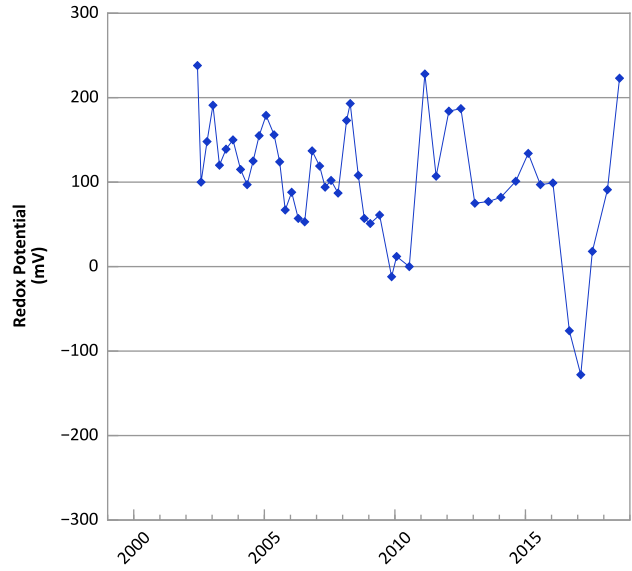
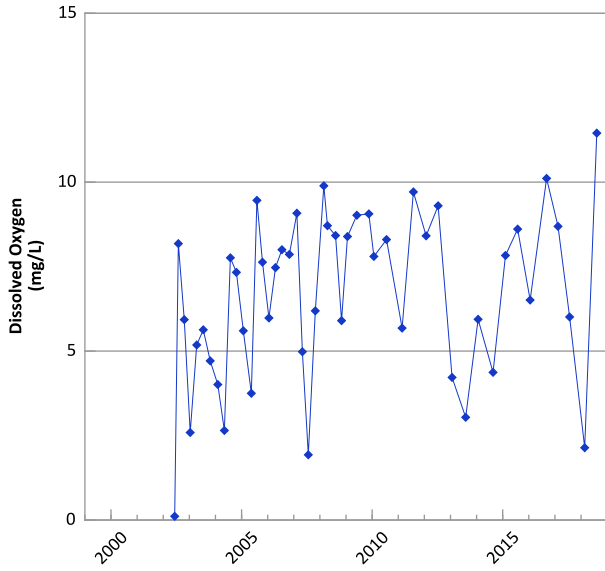
Well	COC	First Date	Last Date	NumS_AD	NumD_AD	AIIND_AD	CV_AD	MKS_AD	Conf_AD	Trend AD	NumS_L4S	NumD_L4S	AIIND_L4S	CV_L4S	MKS_L4S	Conf_L4S	Trend L4S	NumS_SSRA	NumD_SSRA	AIIND_SSRA	CV_SSRA	MKS_SSRA	Conf_SSRA	Trend SSRA
PTX06-1140	NI	10/5/2009	11/6/2018	19	14	No	1.377	-15.00	1	Decreasing	4	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	19	14	No	1.3769962	-15.00	1	Decreasing
PTX06-1140	MO	10/5/2009	11/6/2018	19	19	No	0.0595	-39.00	1	Decreasing	4	4	No	0.05861	5.00	0.8955	No Trend	19	19	No	0.0594661	-39.00	1	Decreasing
PTX06-1141	RDX	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	HMX	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	TNT	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DNT24	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DNT26	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DNT2A	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DNT4A	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	TNB135	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DNB13	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DIOXANE14	6/27/2011	7/17/2018	10	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)	10	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1141	PCE	10/14/2009	7/17/2018	18	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	18	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1141	TCE	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DCE12C	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	DCA12	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	TCLME	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	PERC	10/14/2009	7/17/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1141	B	10/14/2009	7/17/2018	18	18	No	0.0783	-53.00	1	Decreasing	4	4	No	0.06297	4.00	0.833	No Trend	18	18	No	0.0783035	-53.00	1	Decreasing
PTX06-1141	MN	7/21/2010	7/17/2018	12	12	No	1.1684	-42.00	1	Decreasing	4	4	No	0.34938	2.00	0.625	No Trend	12	12	No	1.1684182	-42.00	1	Decreasing
PTX06-1143	RDX	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	HMX	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	TNT	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DNT24	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DNT26	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DNT2A	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DNT4A	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	TNB135	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DNB13	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DIOXANE14	6/8/2011	10/22/2018	10	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	10	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	PCE	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	TCE	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DCE12C	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	DCA12	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	TCLME	10/15/2009	10/22/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	PERC	10/15/2009	10/22/2018	18	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	18	0	Yes	0	0.00	0	All Non-Detect
PTX06-1143	B	10/15/2009	10/22/2018	19	19	No	0.099	37.00	0.895	No Trend	4	4	No	0.0493	2.00	0.625	No Trend	19	19	No	0.0990441	37.00	0.895	No Trend
PTX06-1143	MN	5/5/2010	10/22/2018	13	2	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	13	2	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX06-1144	RDX	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	HMX	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	TNT	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DNT24	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DNT26	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DNT2A	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DNT4A	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	TNB135	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DNB13	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DIOXANE14	10/30/2014	12/5/2018	9	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	9	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	PCE	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	TCE	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DCE12C	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	DCA12	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX06-1144	TCLME	11/4/2009	12/5/2018	19	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00		

Ogallala Aquifer Well 2018 Analyte Trend Summary

Well	COC	First Date	Last Date	NumS AD	NumD AD	AllND AD	CV AD	MKS AD	Conf AD	Trend AD	NumS L4S	NumD L4S	AllND L4S	CV L4S	MKS L4S	Conf L4S	Trend L4S	NumS SSRA	NumD SSRA	AllND SSRA	CV SSRA	MKS SSRA	Conf SSRA	Trend SSRA
PTX07-1R01	DCA12	5/8/2000	11/5/2018	28	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX07-1R01	TCLME	5/8/2000	11/5/2018	27	0	Yes	0	0.00	0	All Non-Detect	4	0	Yes	0	0.00	0	All Non-Detect	19	0	Yes	0	0.00	0	All Non-Detect
PTX07-1R01	PERC	9/19/2000	11/5/2018	29	1	No	0	0.00	0	N/A (<4 Detections in Dataset)	4	0	Yes	0	0.00	0	All Non-Detect	19	1	No	0	0.00	0	N/A (<4 Detections in Dataset)
PTX07-1R01	B	9/19/2000	11/5/2018	28	28	No	0.0653	26.00	0.688	No Trend	4	4	No	0.07747	4.00	0.833	No Trend	19	19	No	0.0646701	7.00	0.582	No Trend
PTX07-1R01	MN	9/19/2000	11/5/2018	22	13	No	1.8046	-135.00	1	Decreasing	4	0	Yes	0	0.00	0	All Non-Detect	12	4	No	1.42861	-9.00	1	Decreasing

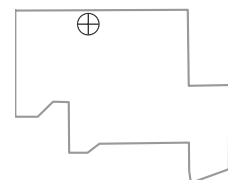
AD = All Data
L2Y = Last 2 Years (last four samples)
SSRA = Since Start of Remedial Action

**PTX01-1010 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



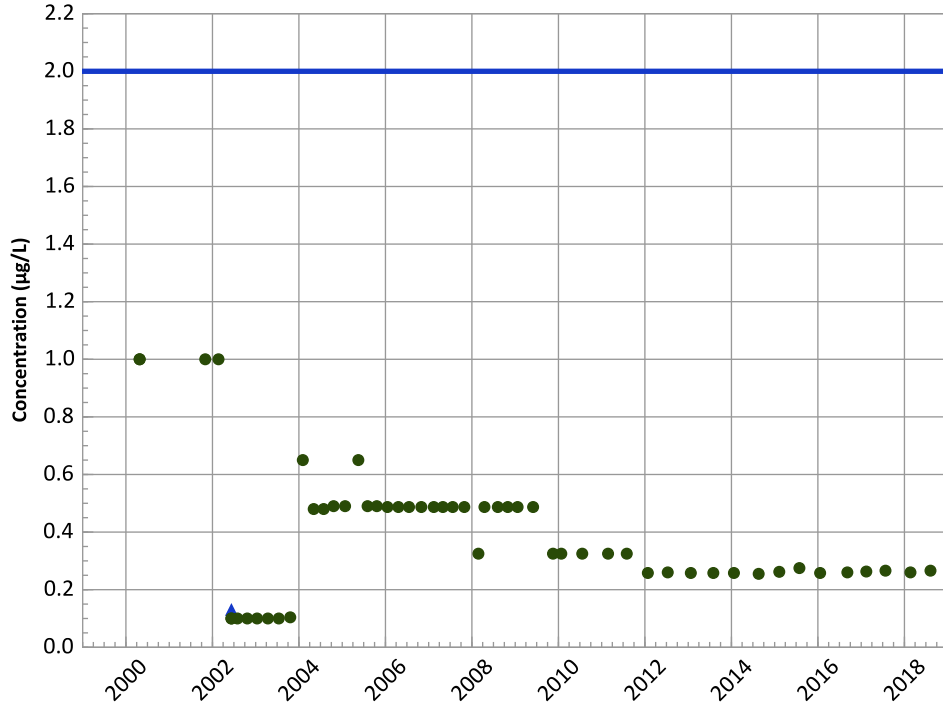
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

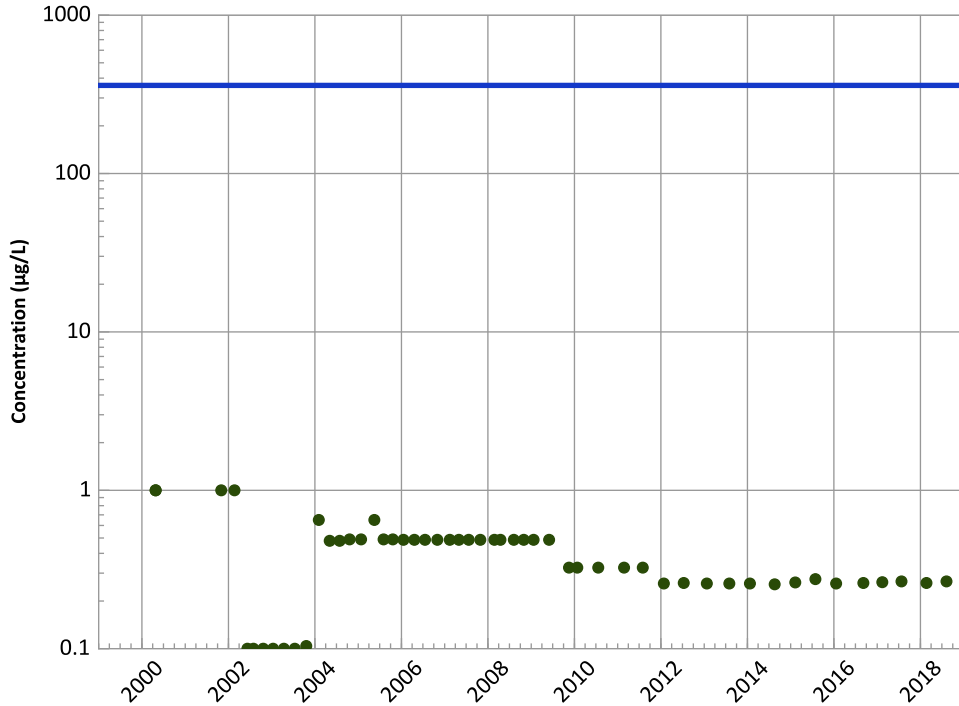
Data (2017 - 2021):

All Non-Detect

All 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

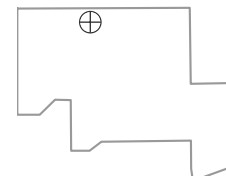
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

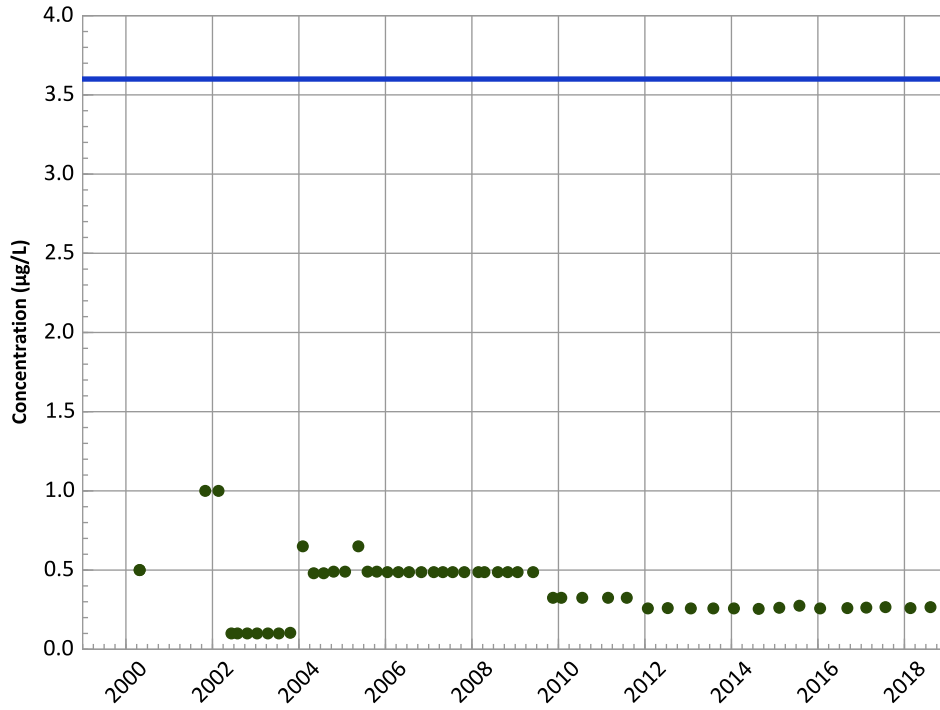
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

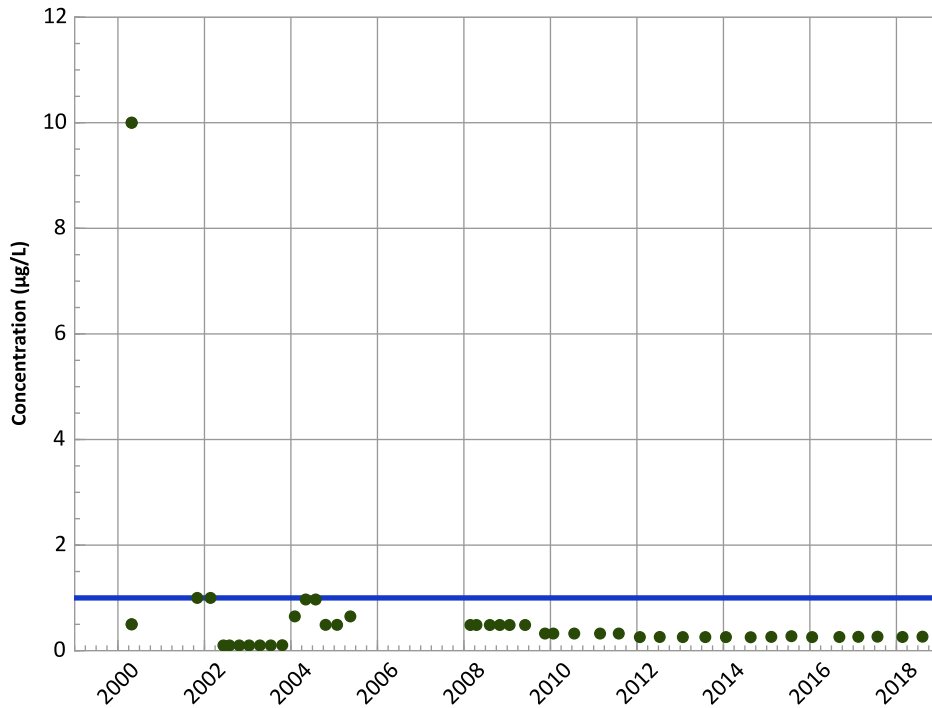
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

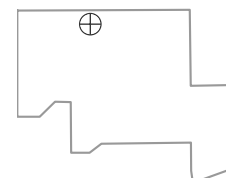
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

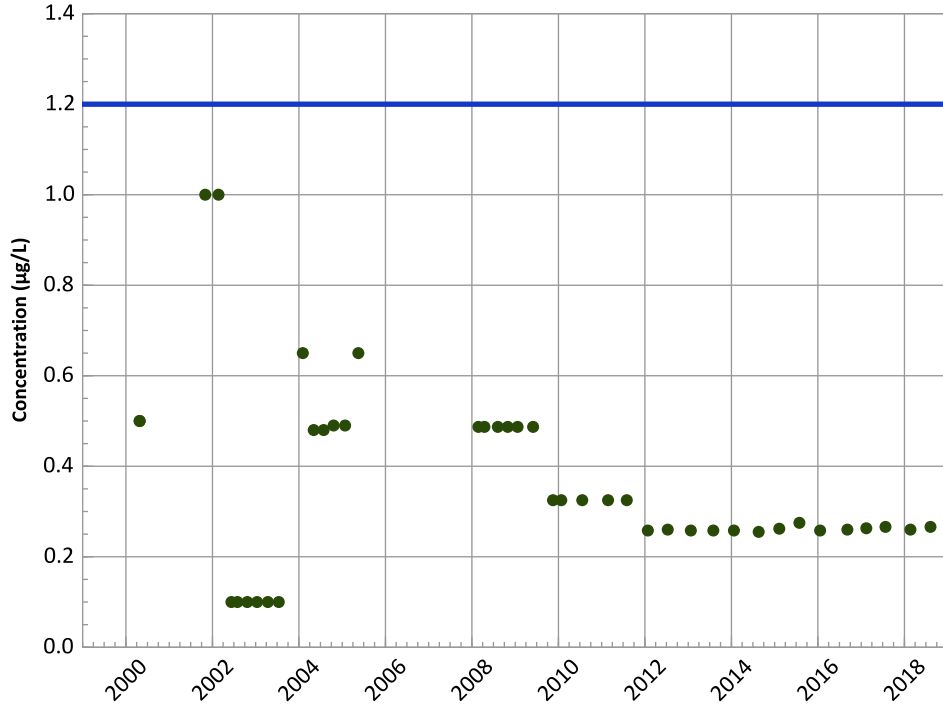
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

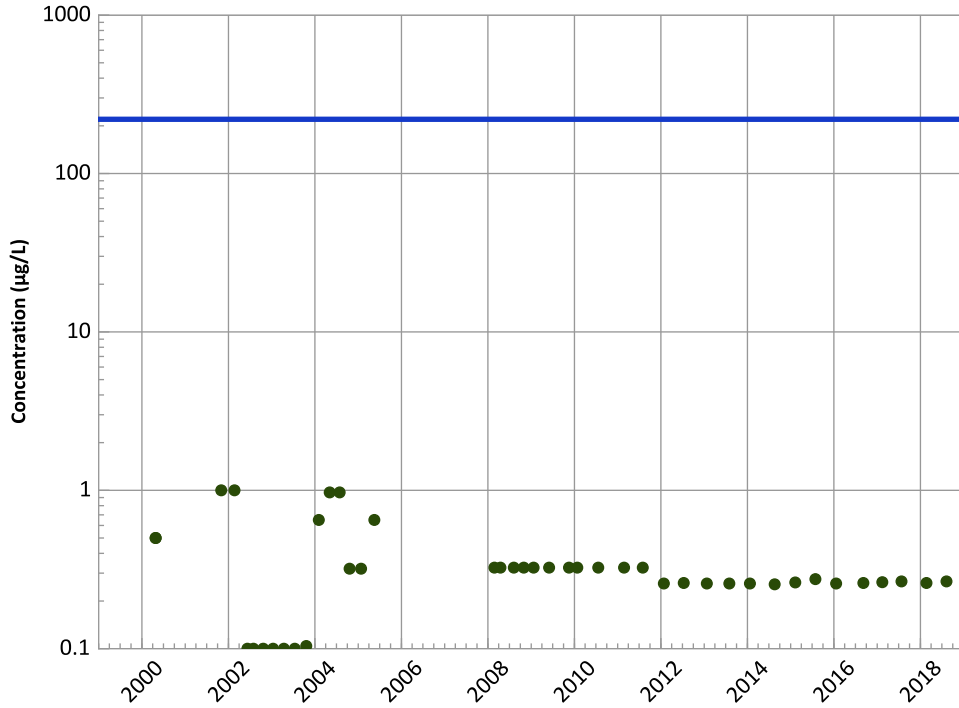
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

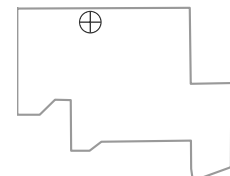
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

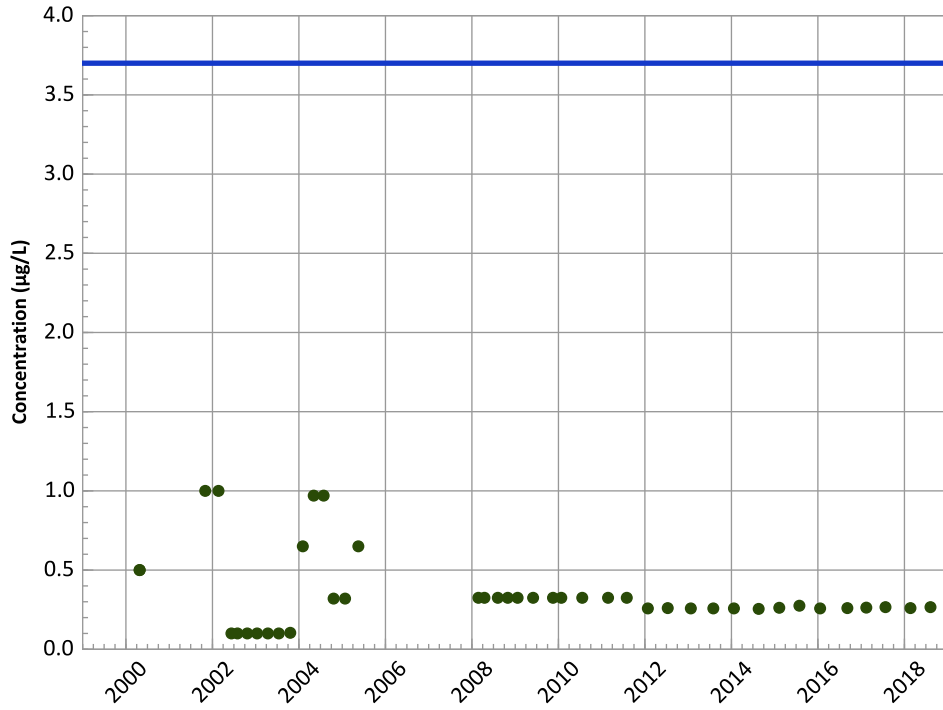
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

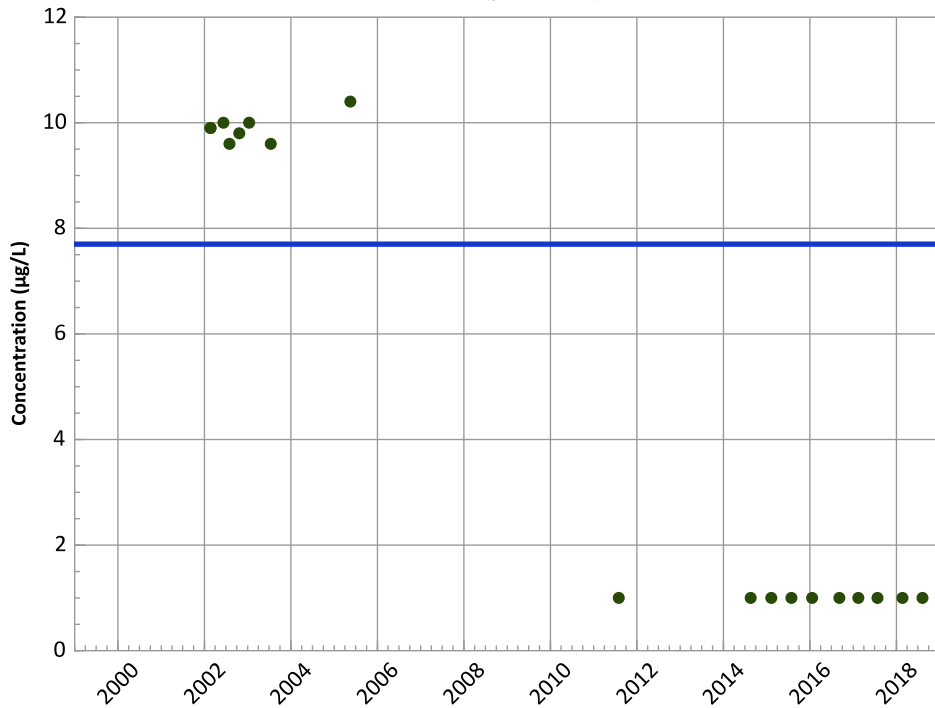
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

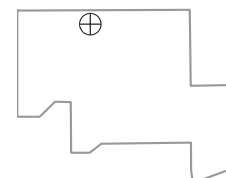
All Data:

All Non-Detect

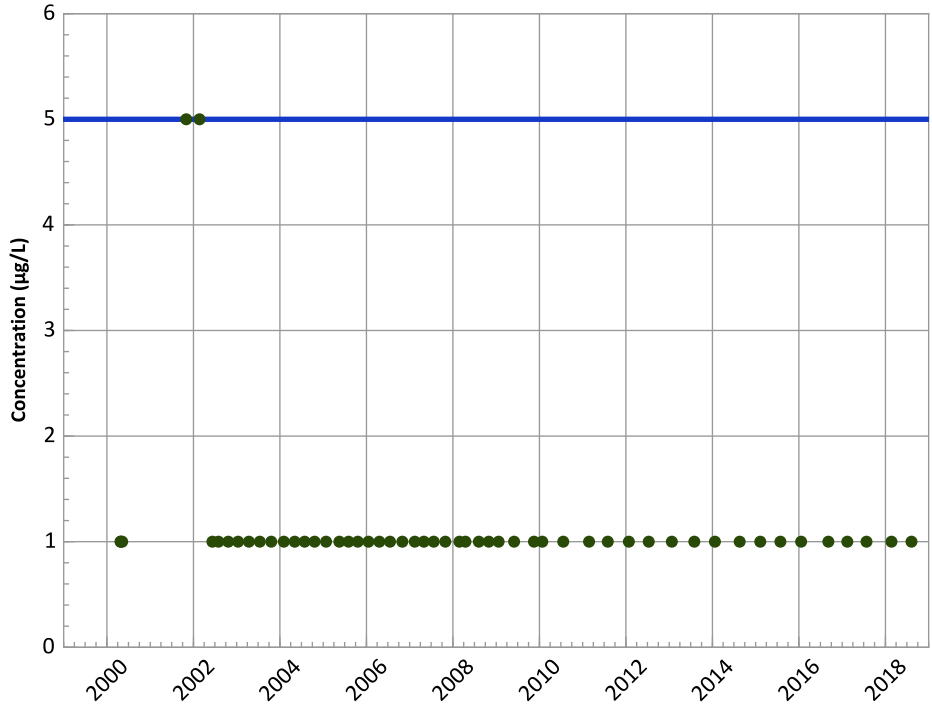
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1010 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

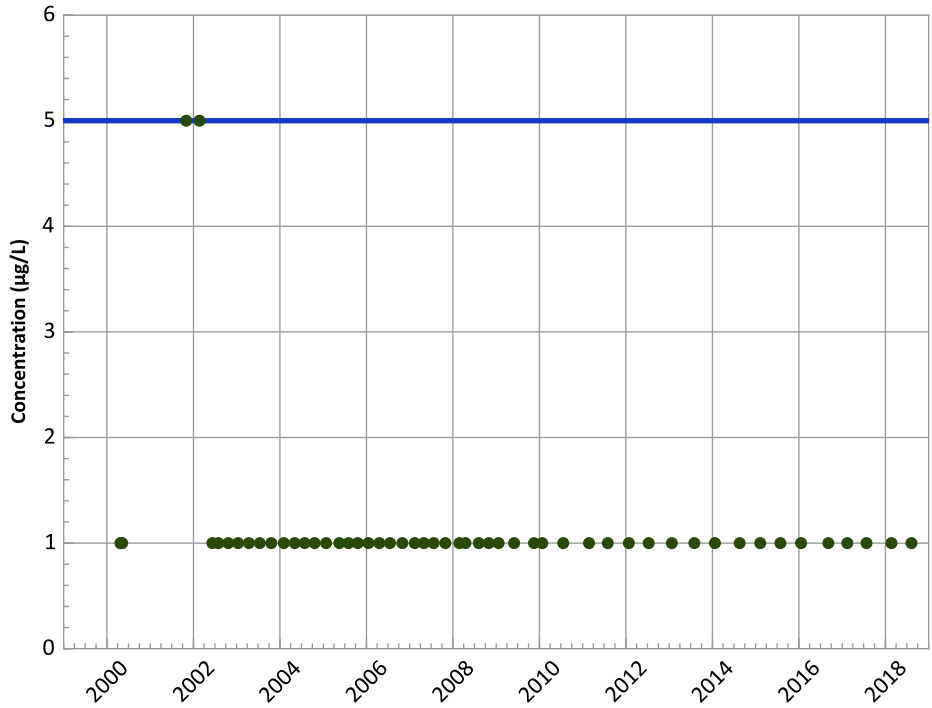
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

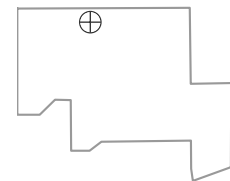
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

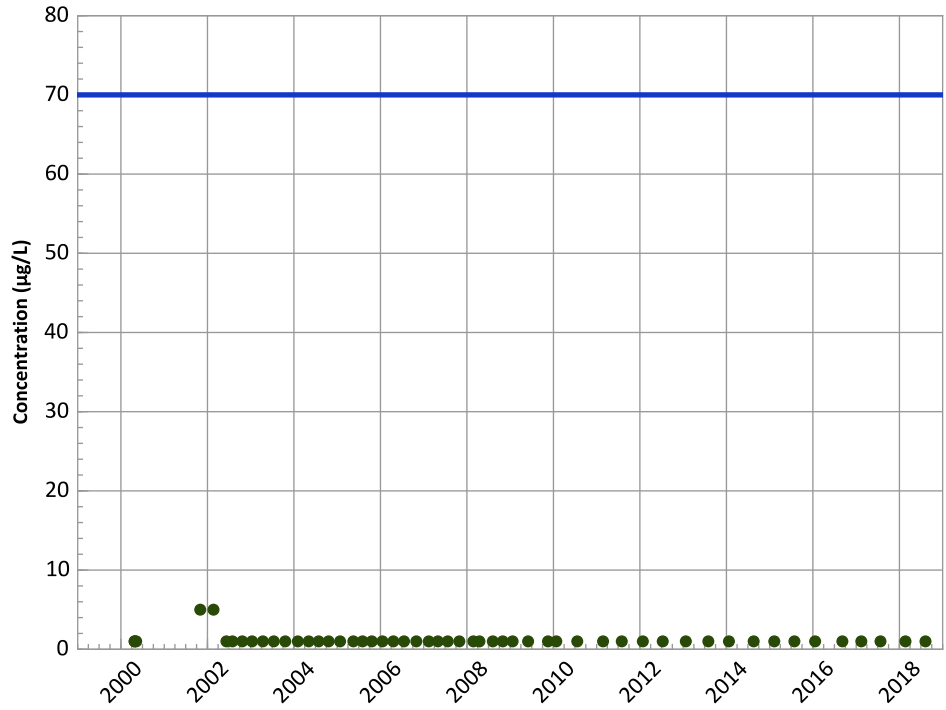
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX01-1010 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**
cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

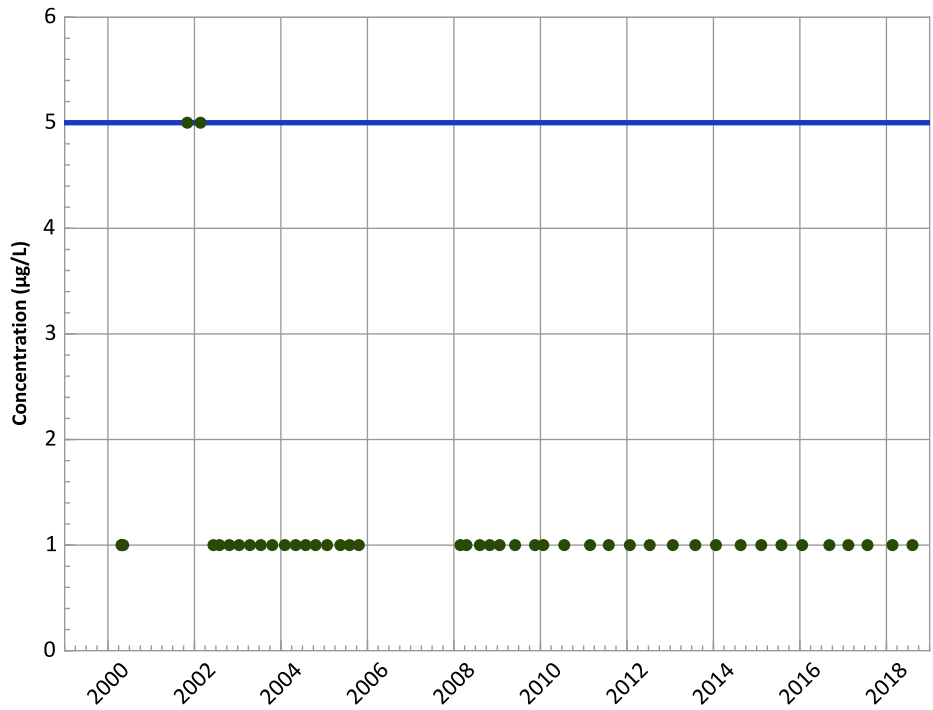
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

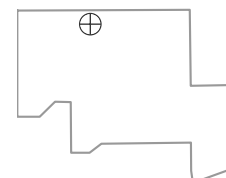
All Data:

All Non-Detect

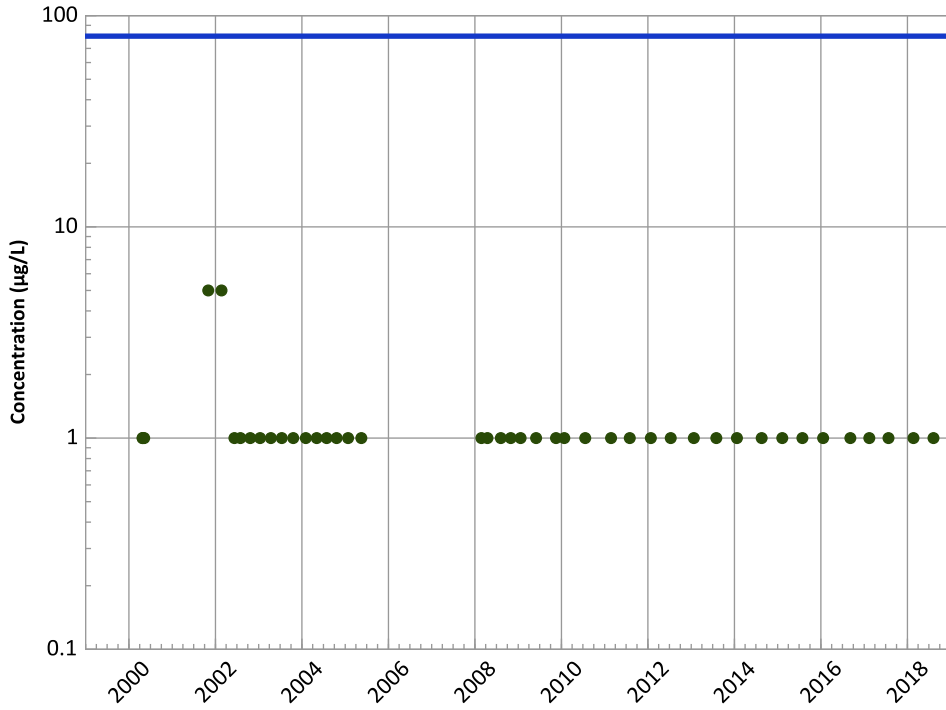
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1010 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend

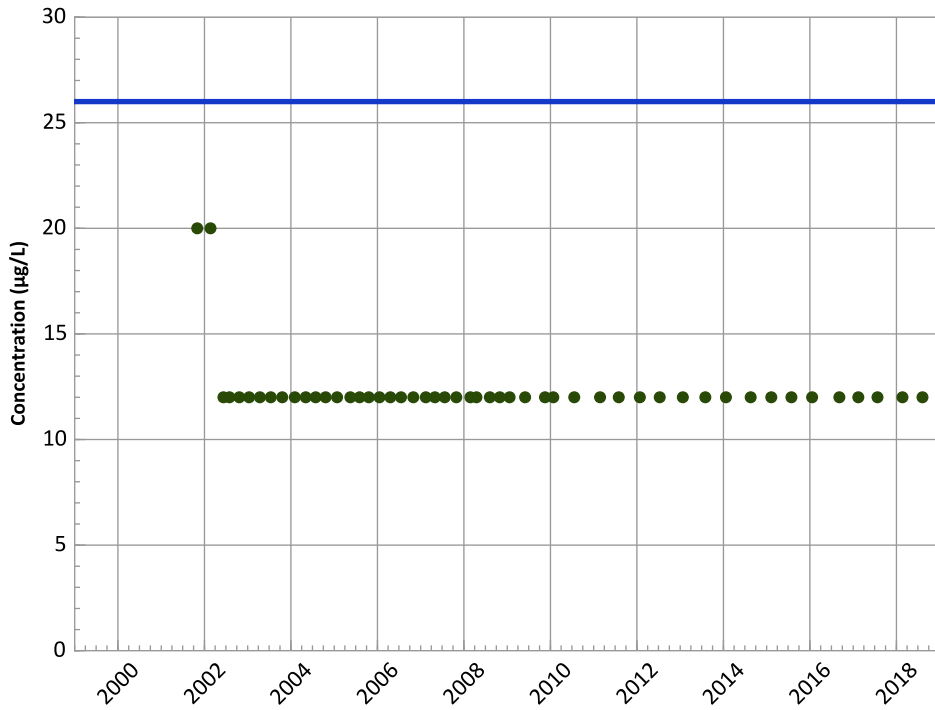


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

Perchlorate Trend

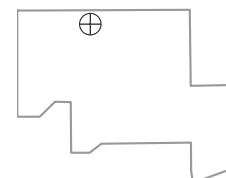


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

Well Location

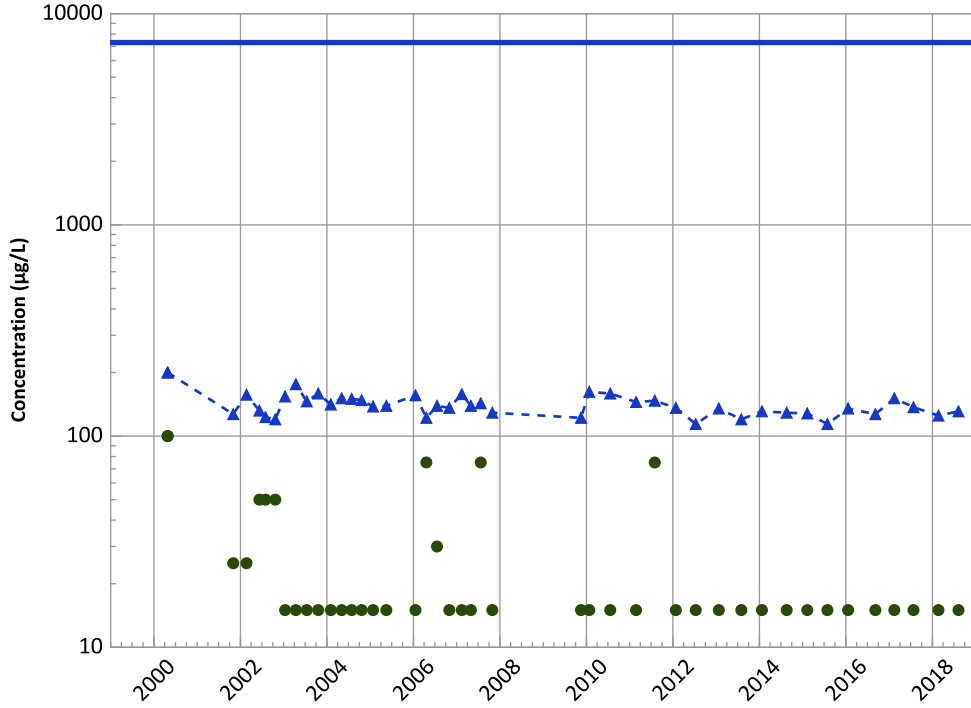


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 04/26/2000 to 08/09/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1010 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

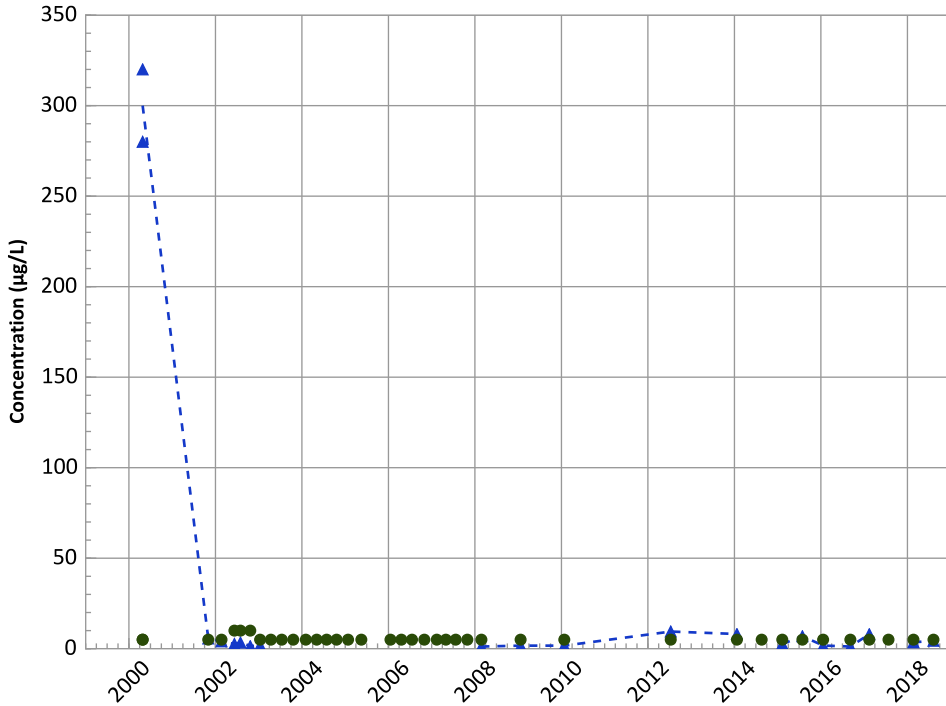
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

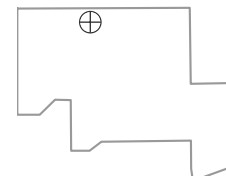
All Data:

No Trend

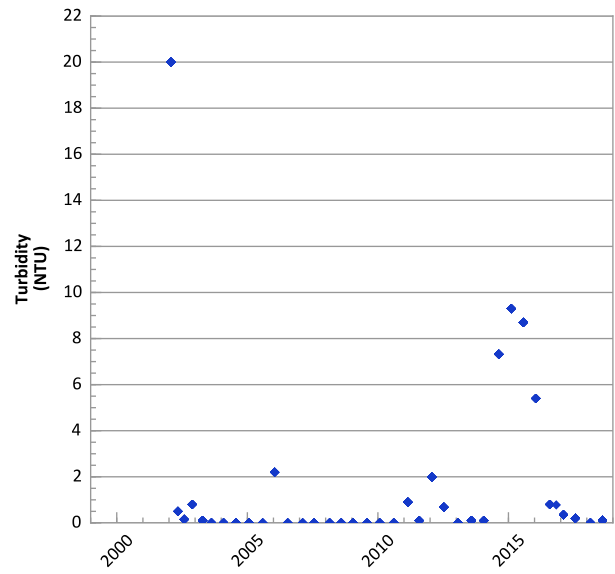
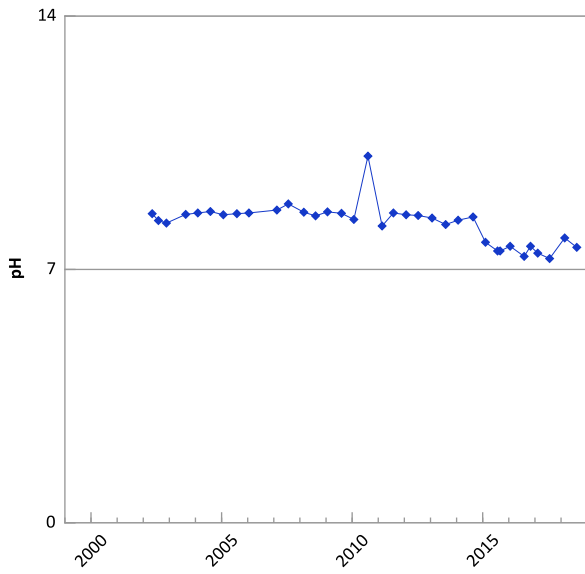
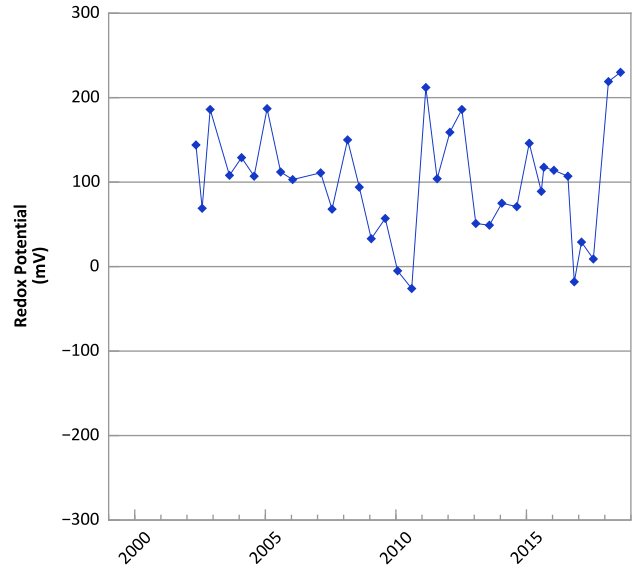
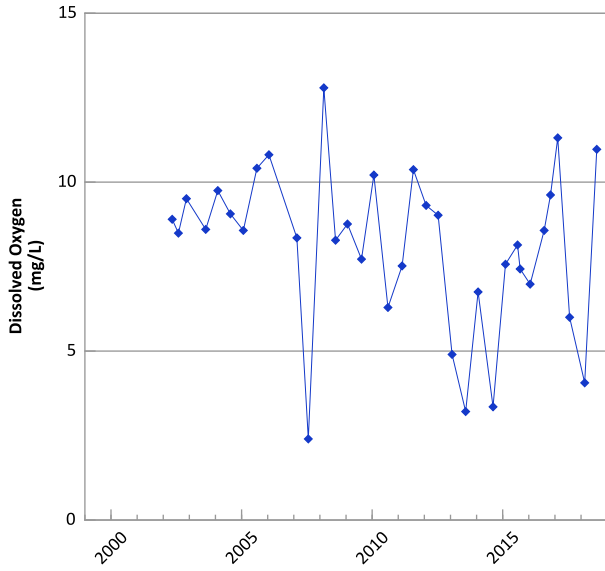
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/26/2000 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

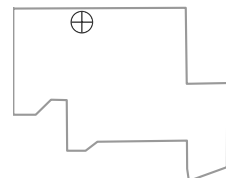


**PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



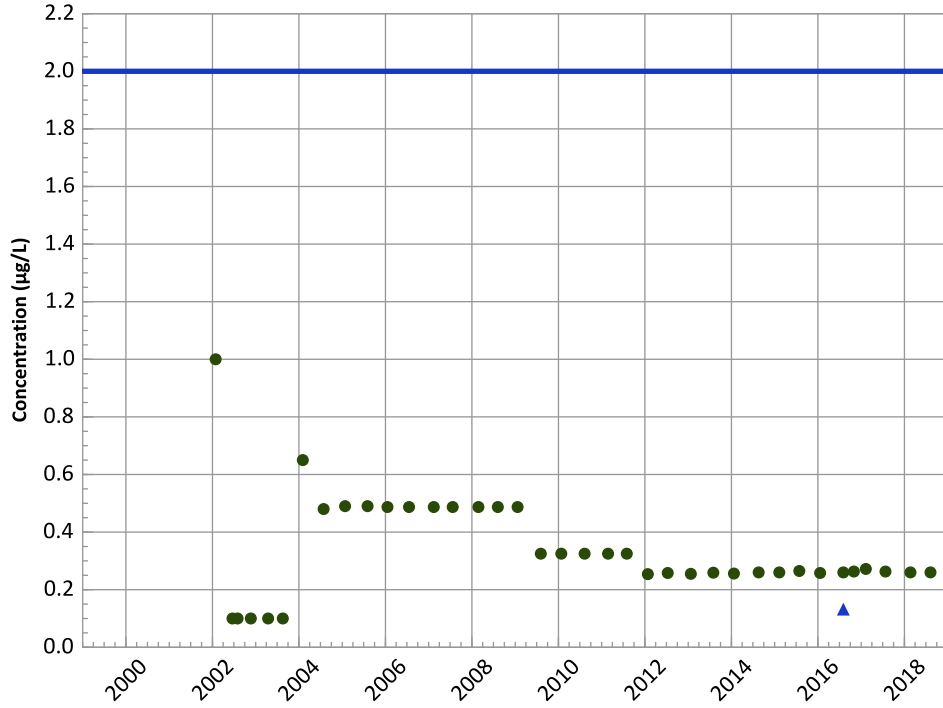
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 01/28/2002 to 08/09/2018
 Analysis Date: 02/14/2019

Well Location



PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

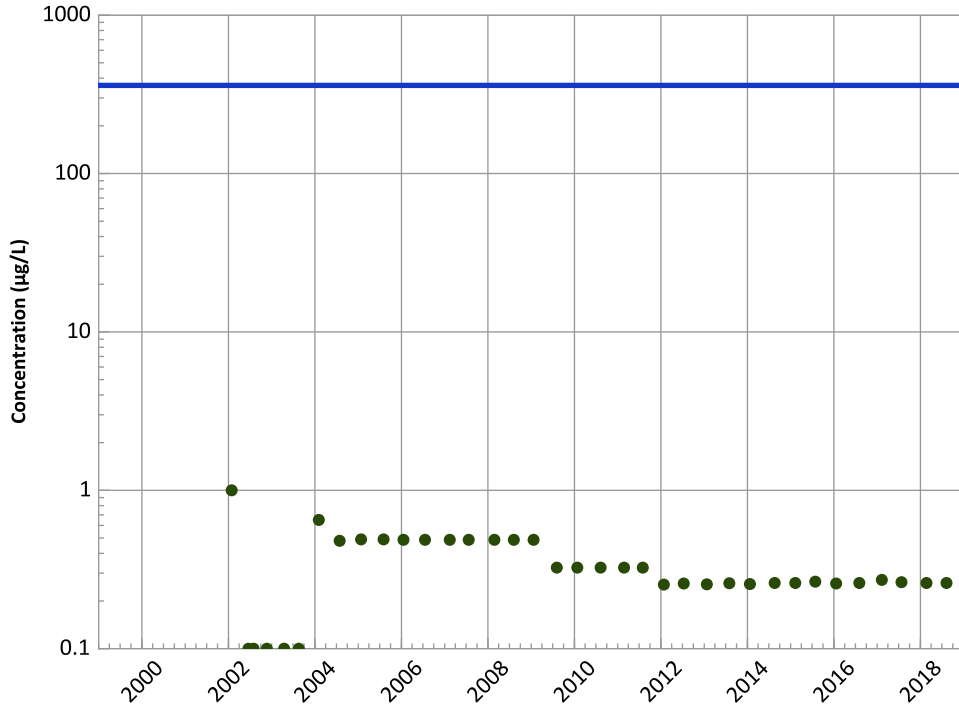


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

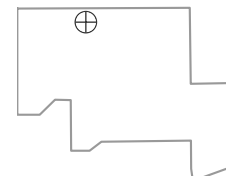
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

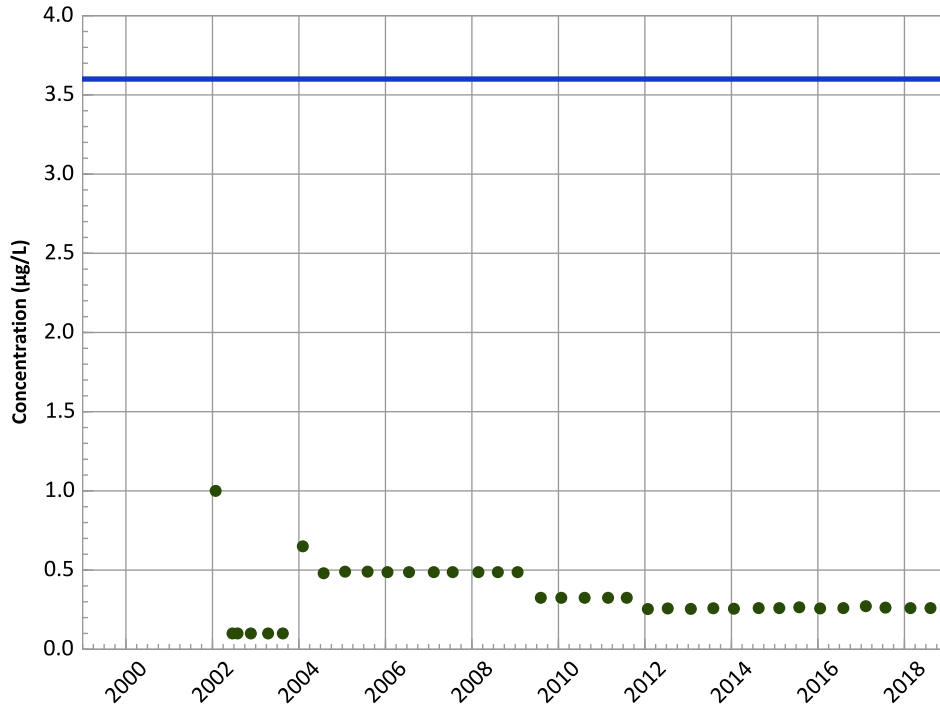
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

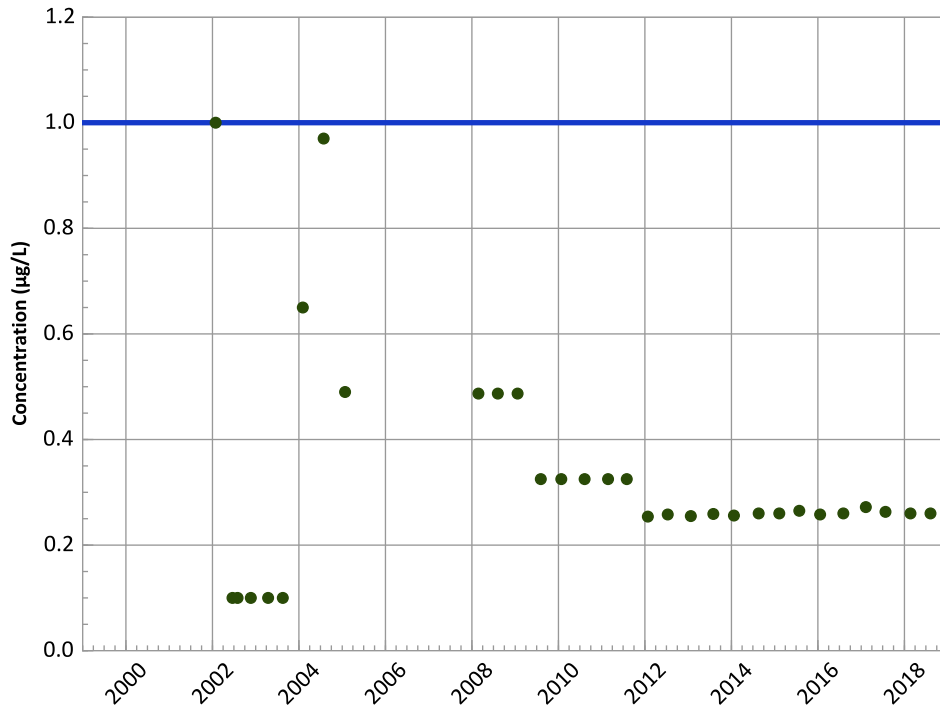
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

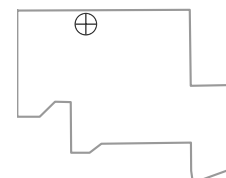
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

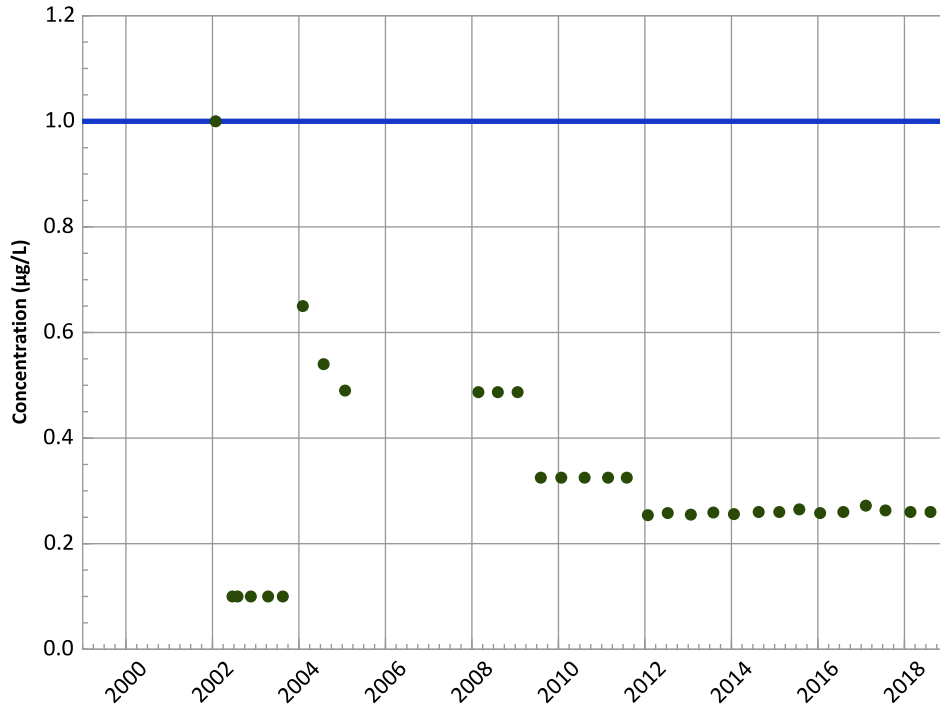
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

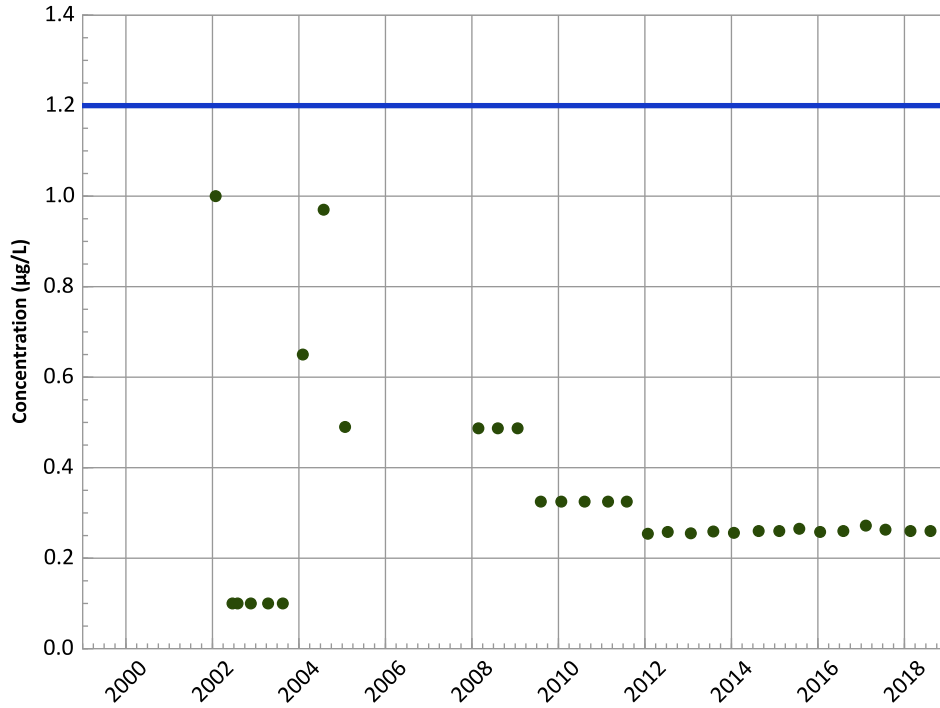
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

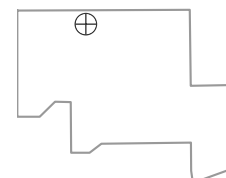
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

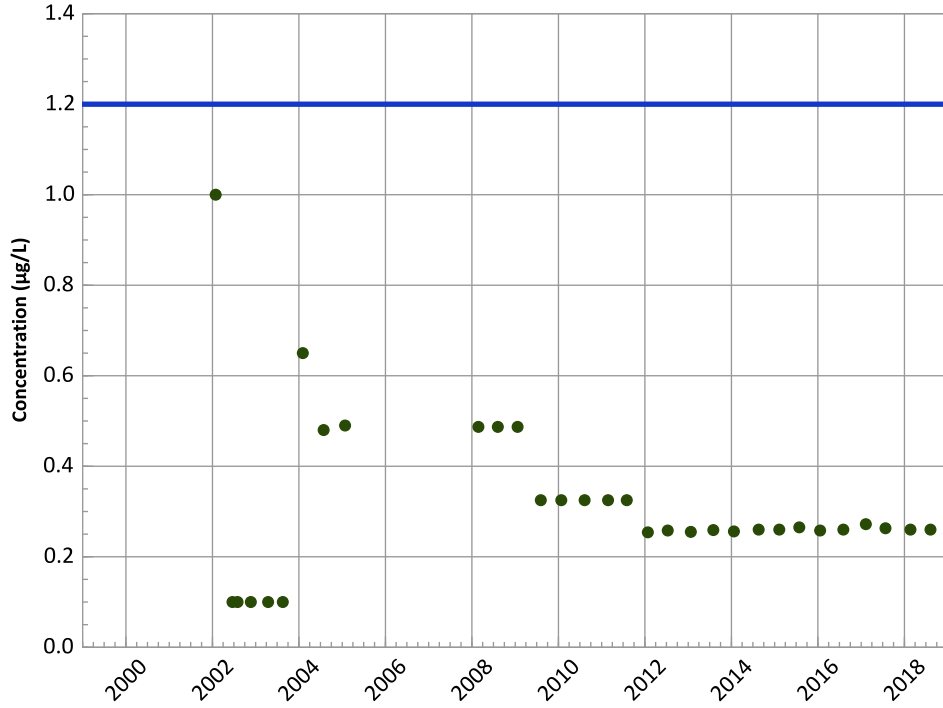


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

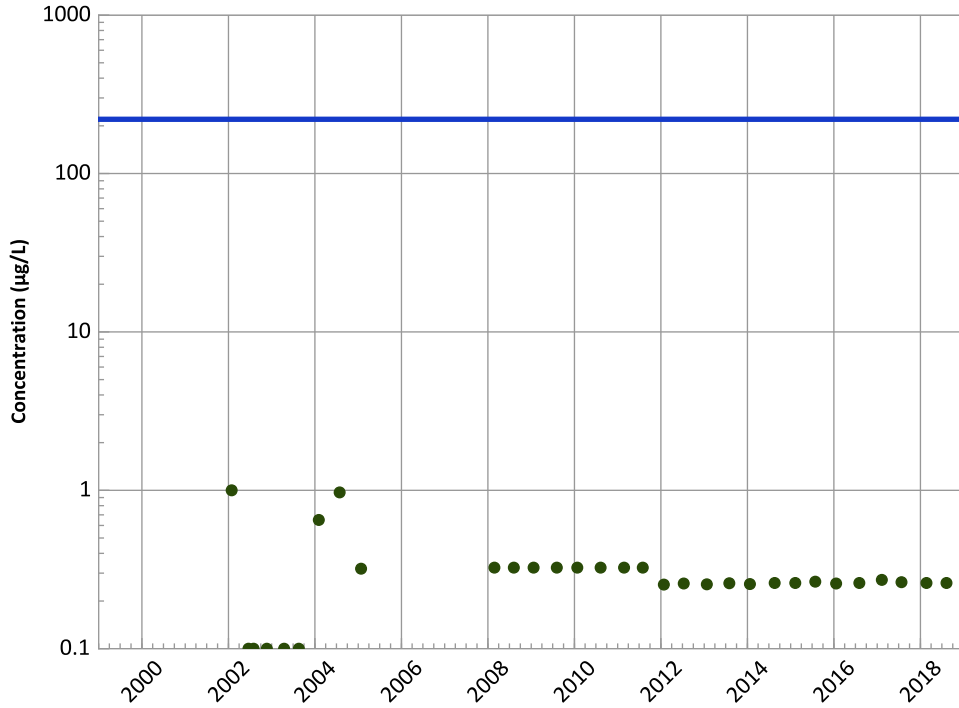
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

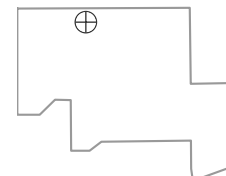
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

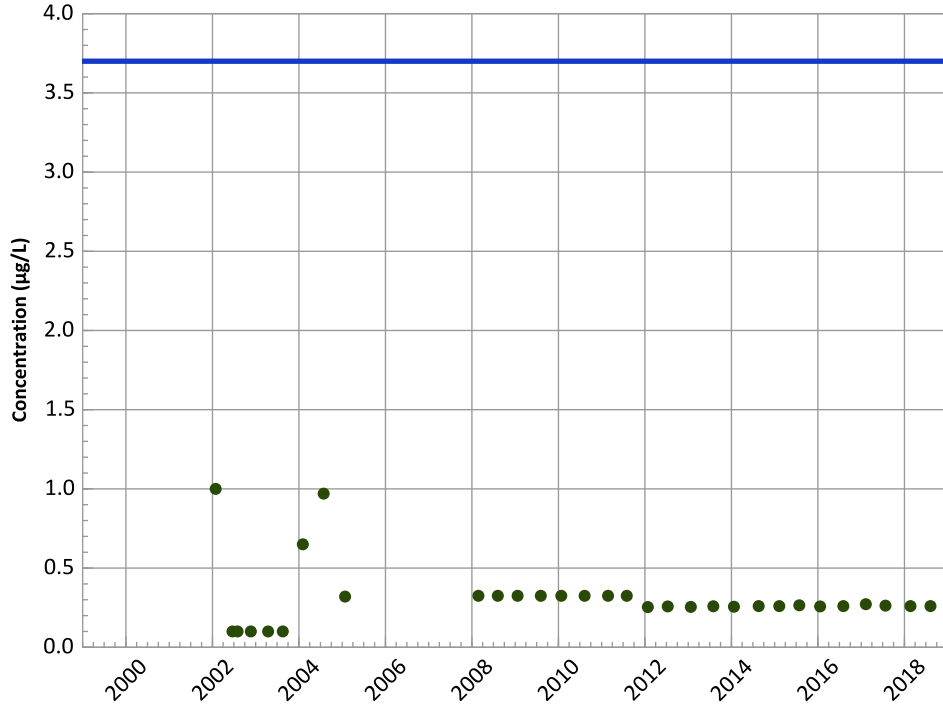
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

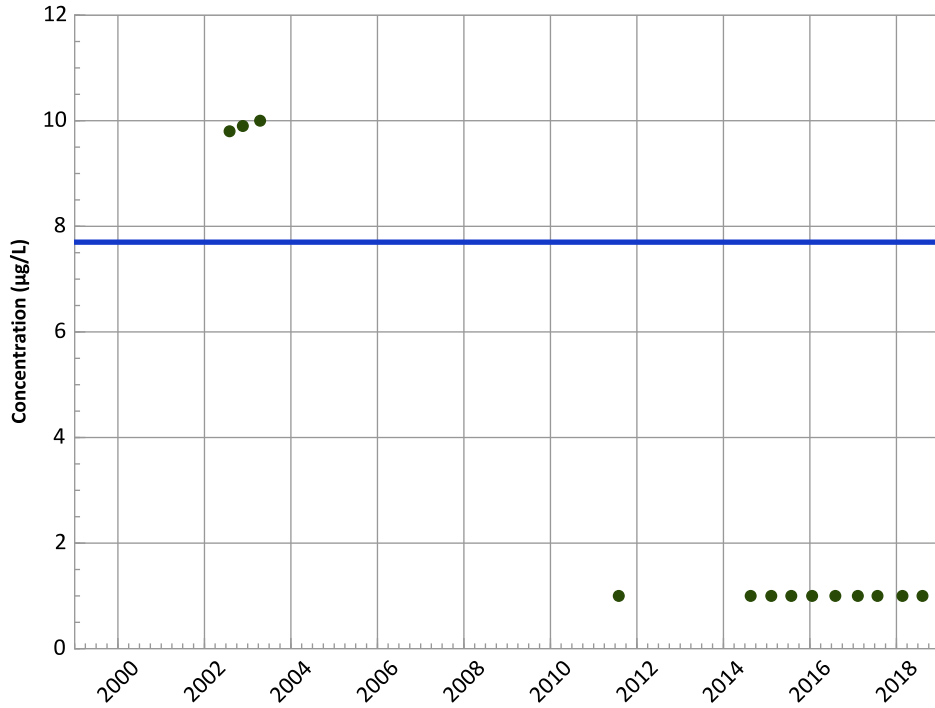
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

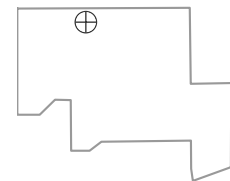
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

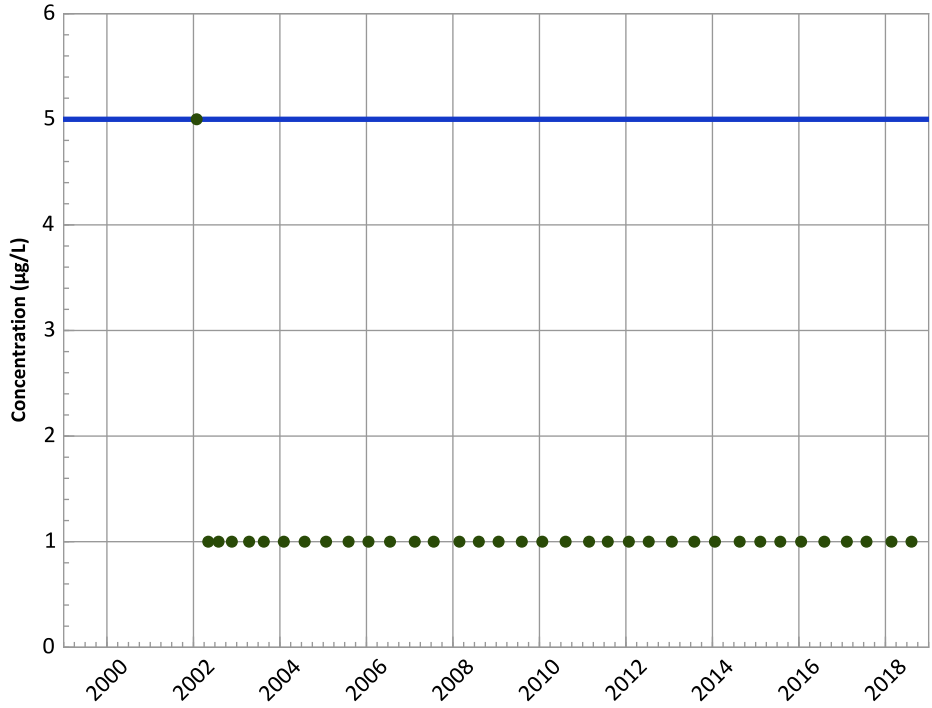
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

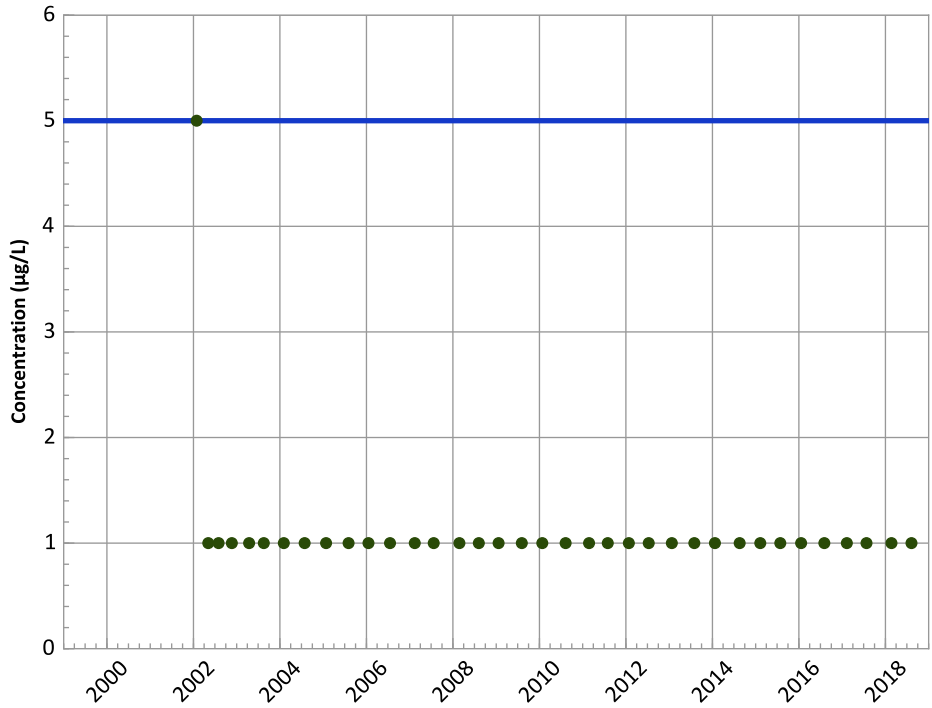
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

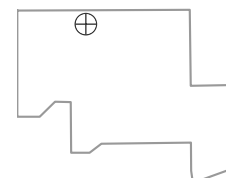
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

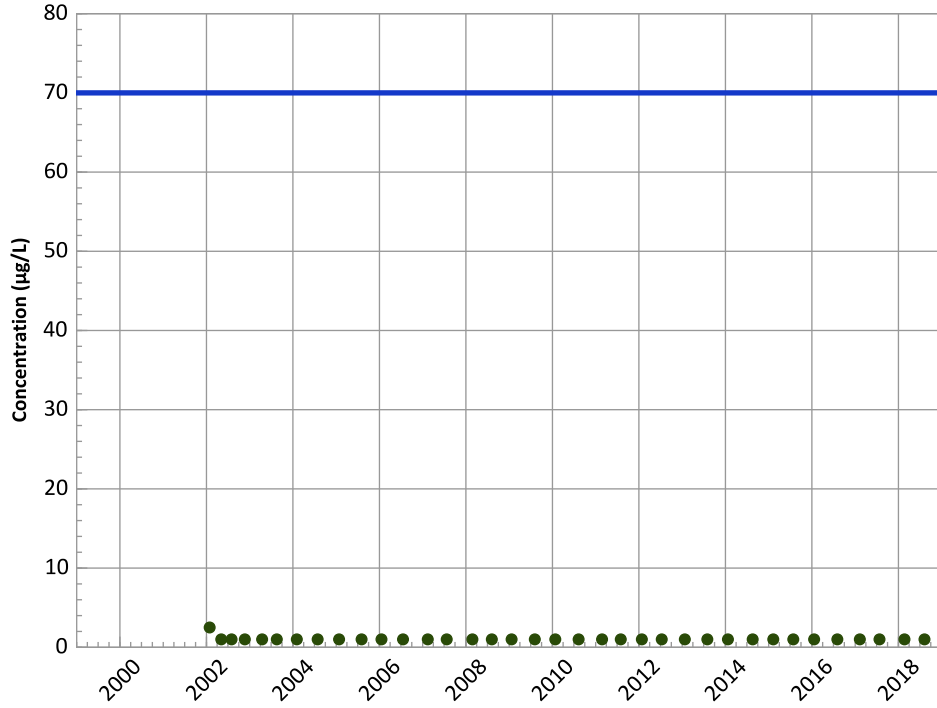


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

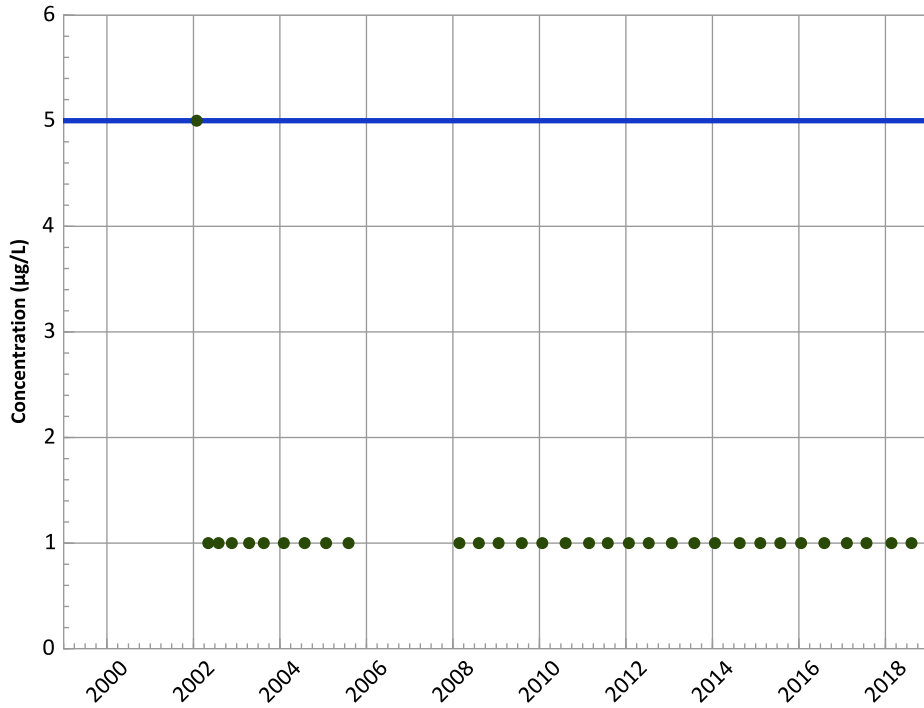
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

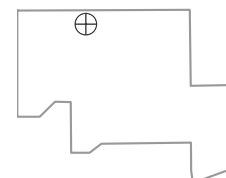
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

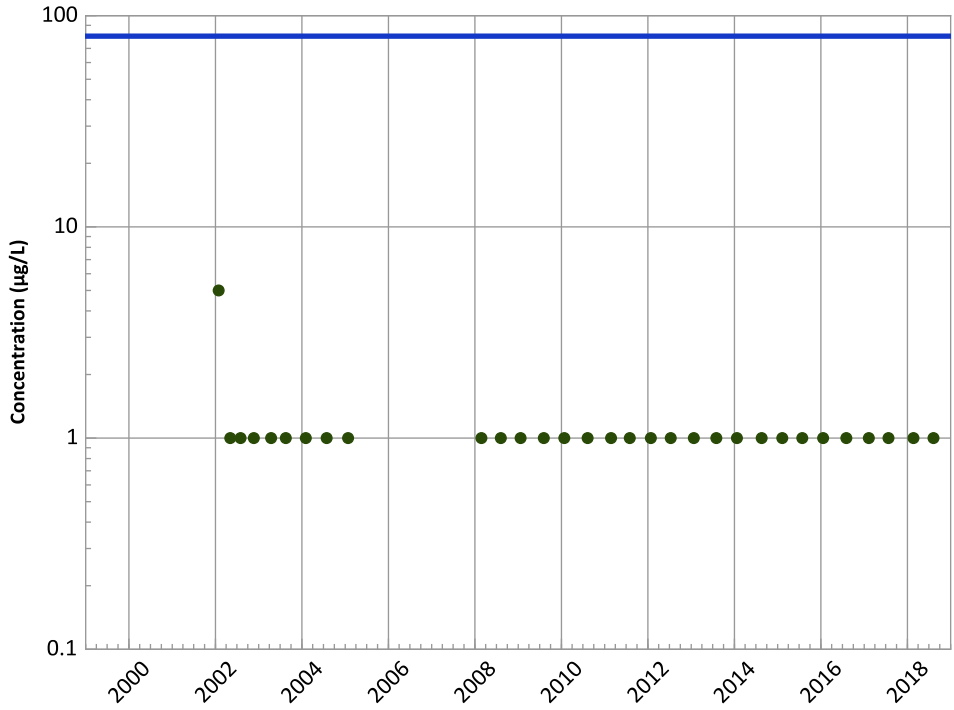
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

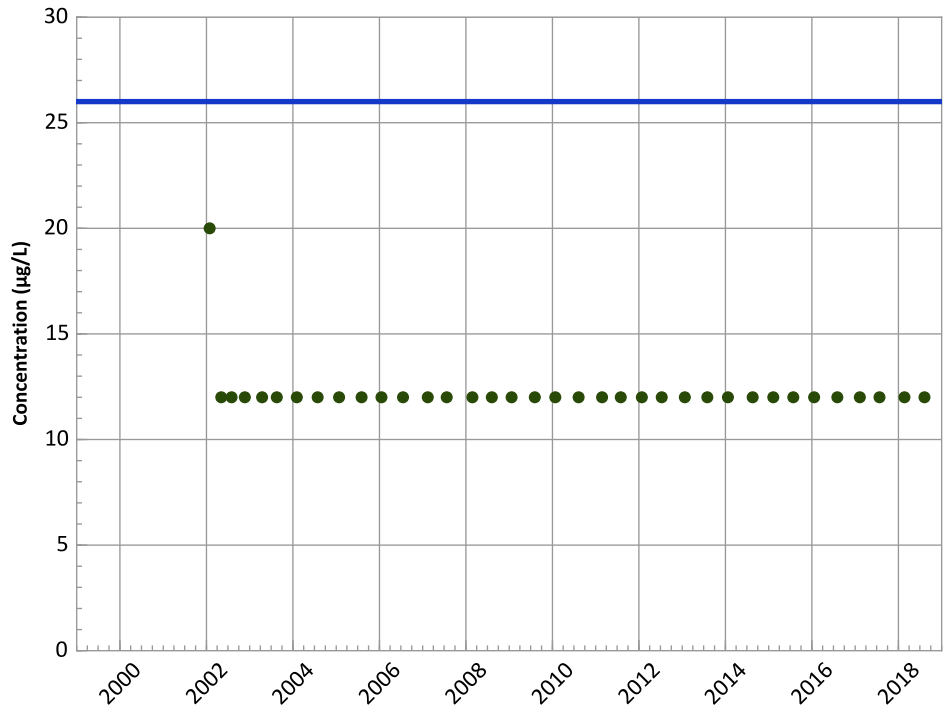


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend



Concentration Trend

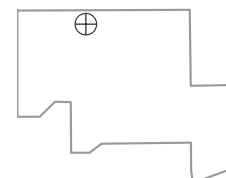
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

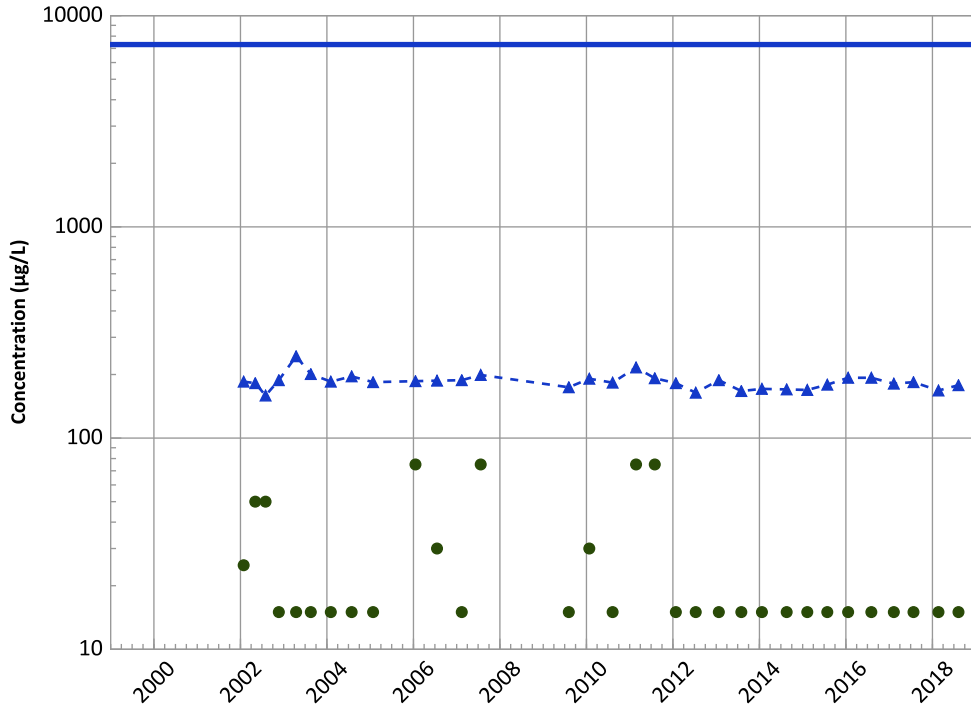
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1011 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

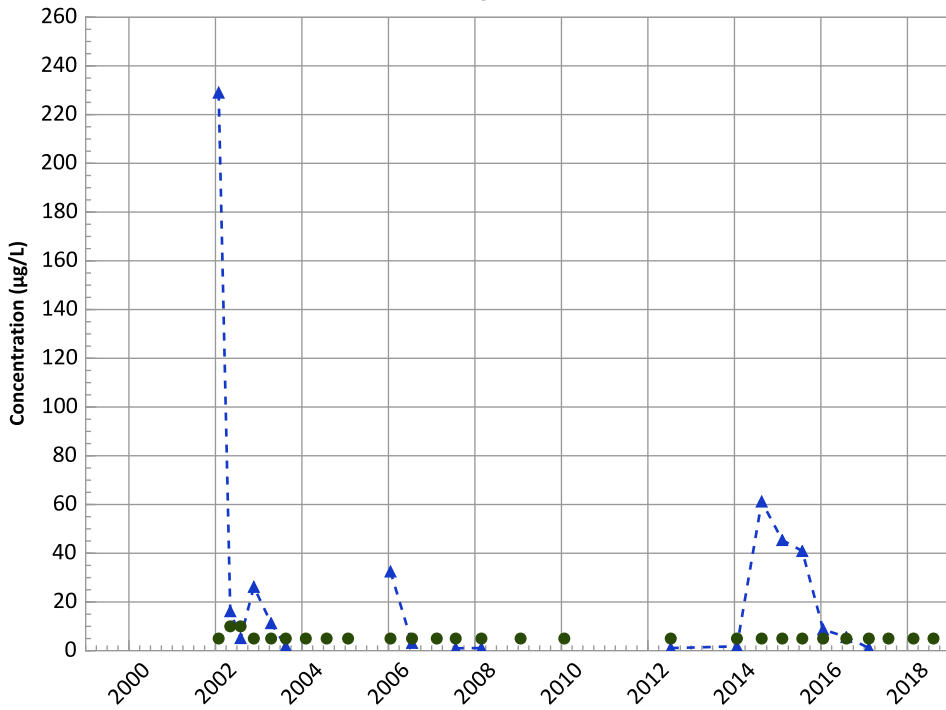
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

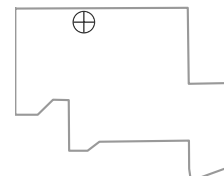
All Data:

No Trend

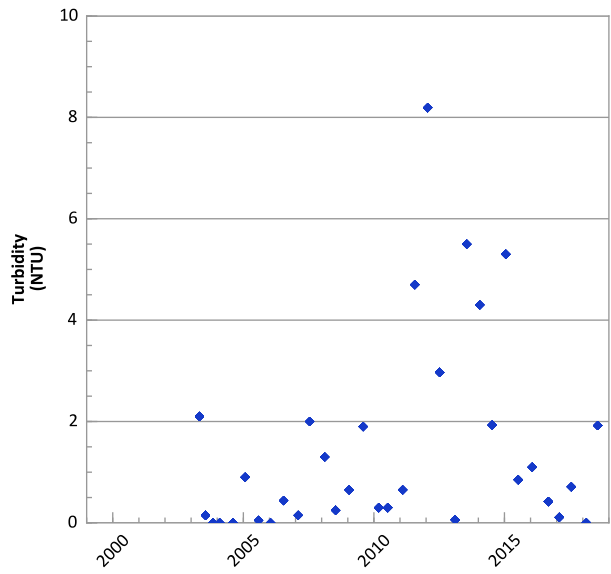
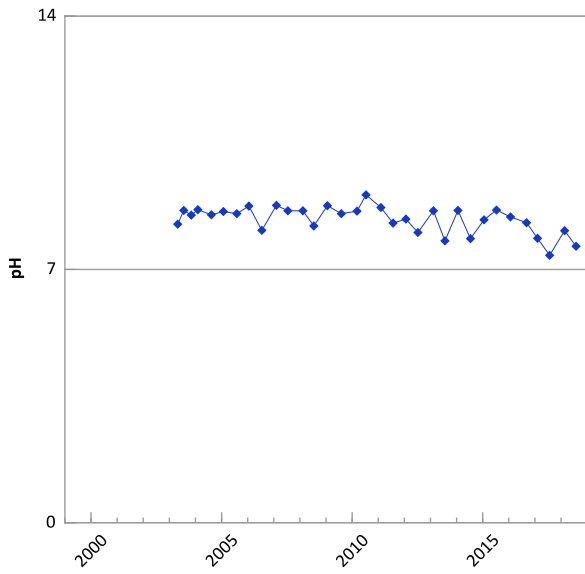
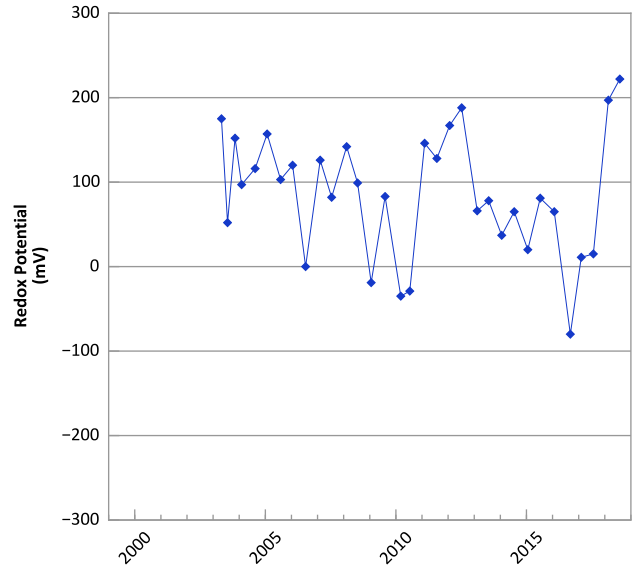
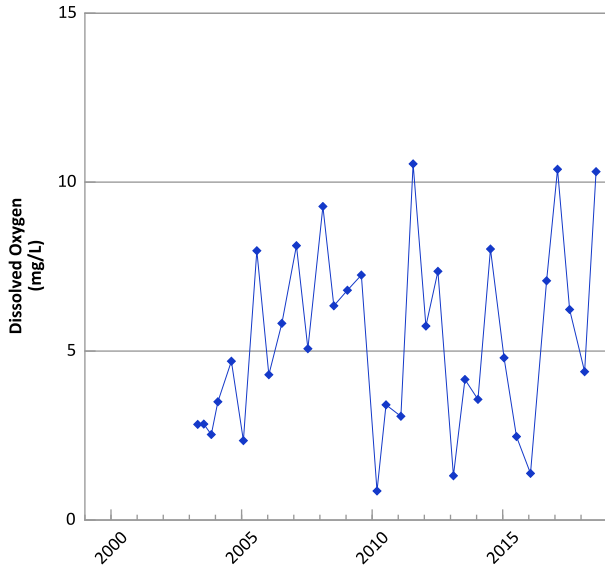
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 01/28/2002 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

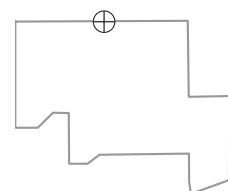


**PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



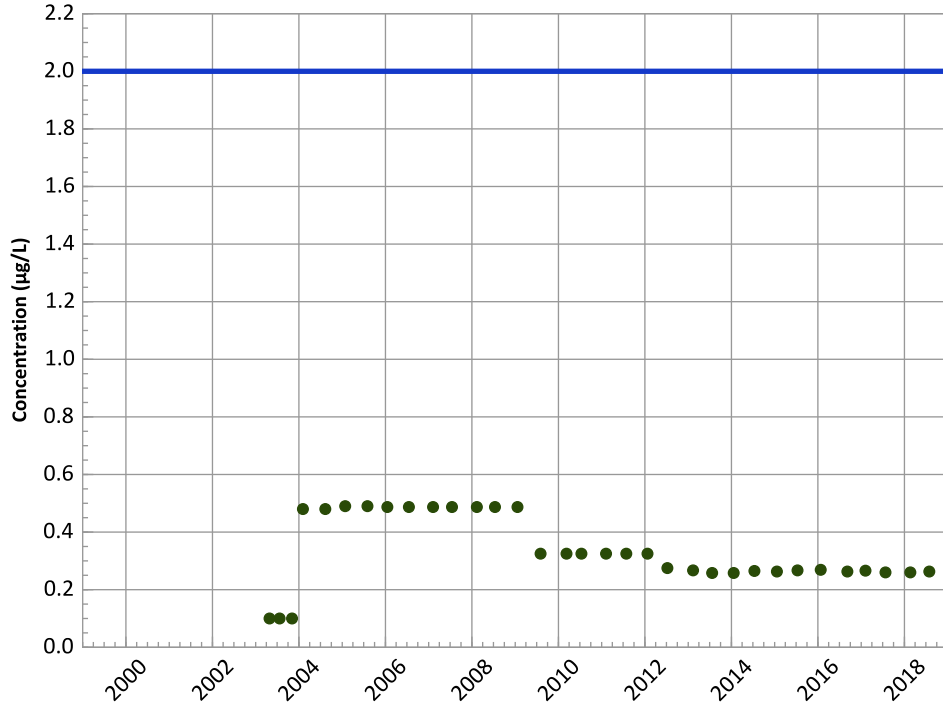
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/01/2000 to 07/30/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

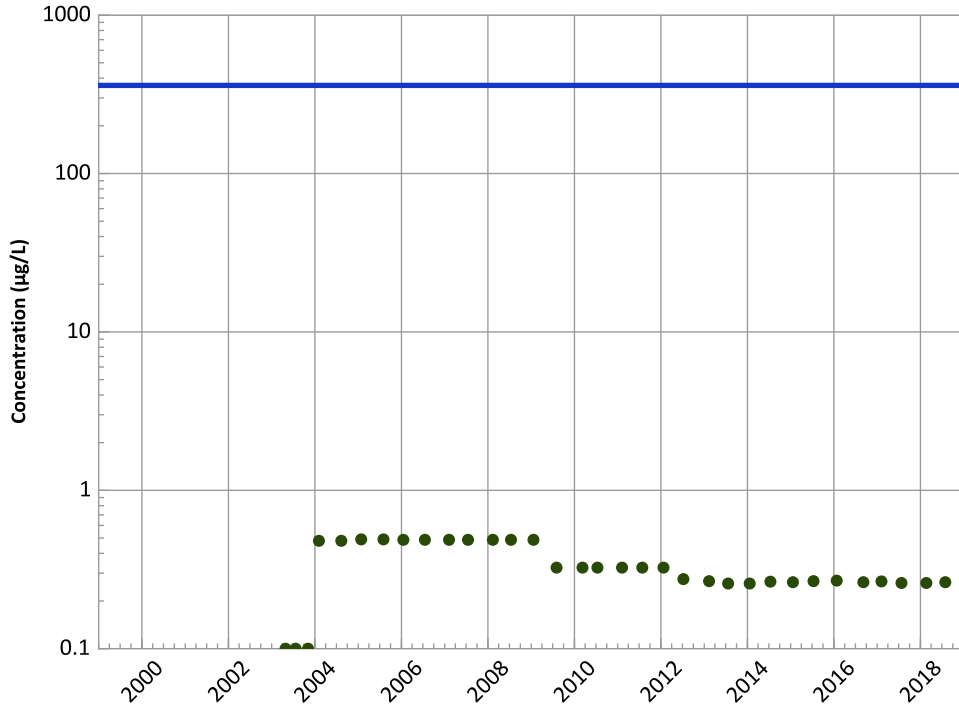
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

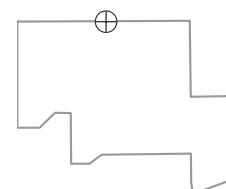
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

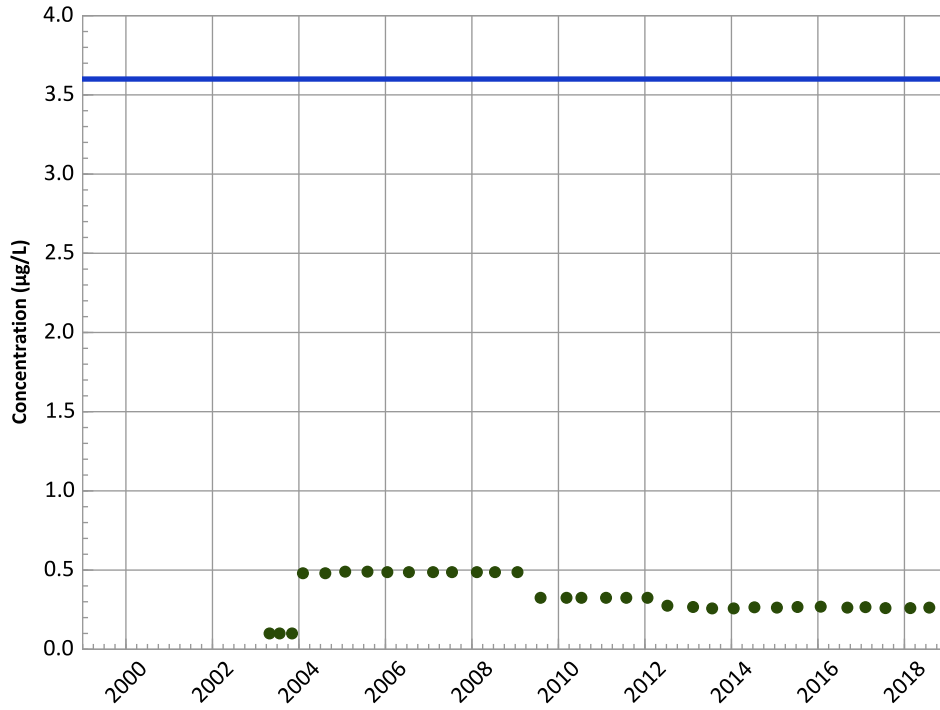
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

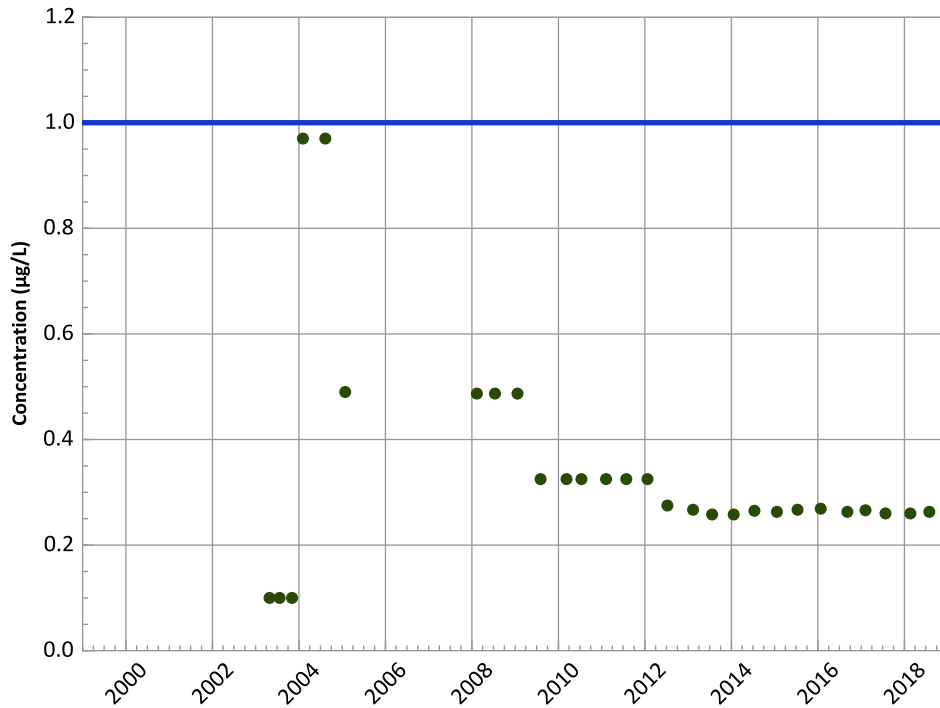
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

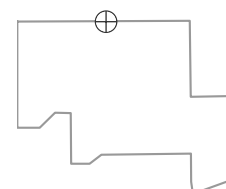
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

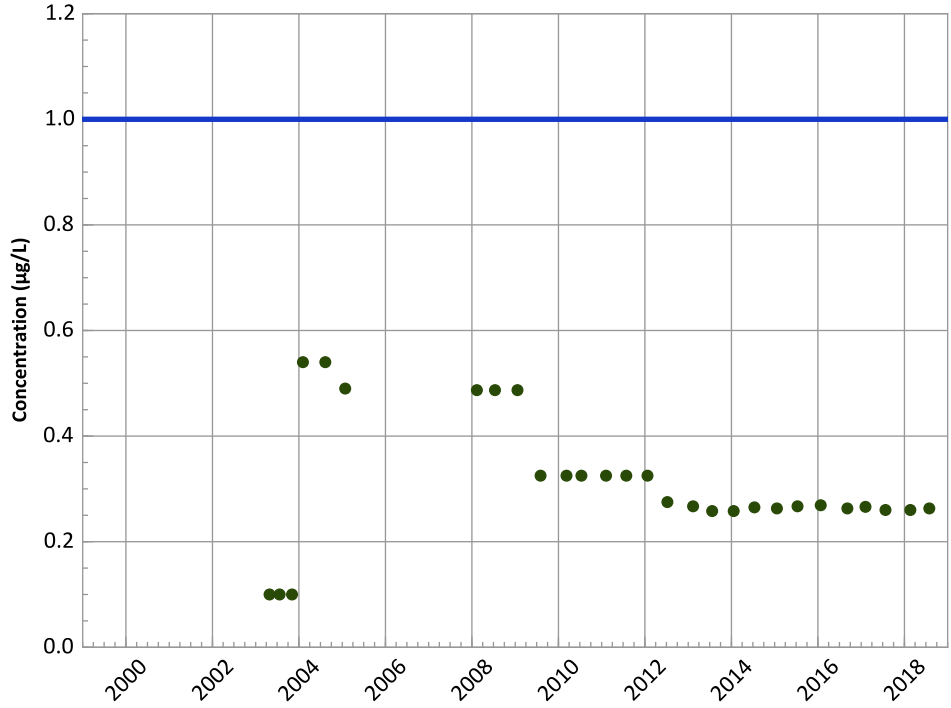
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

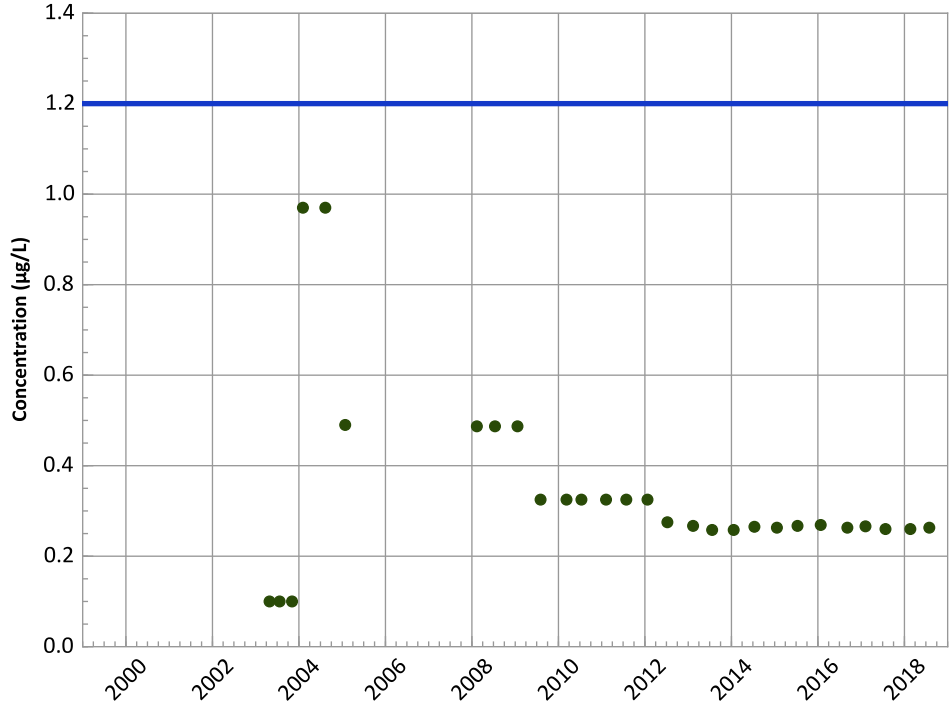
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

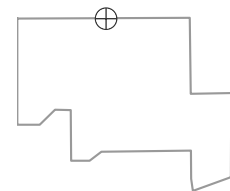
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

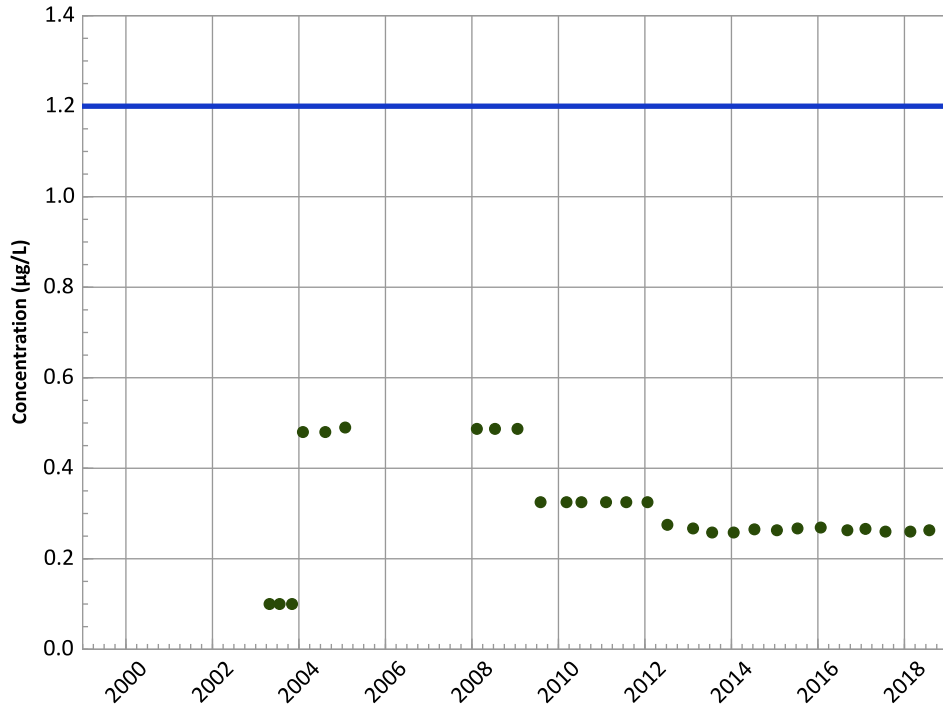
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

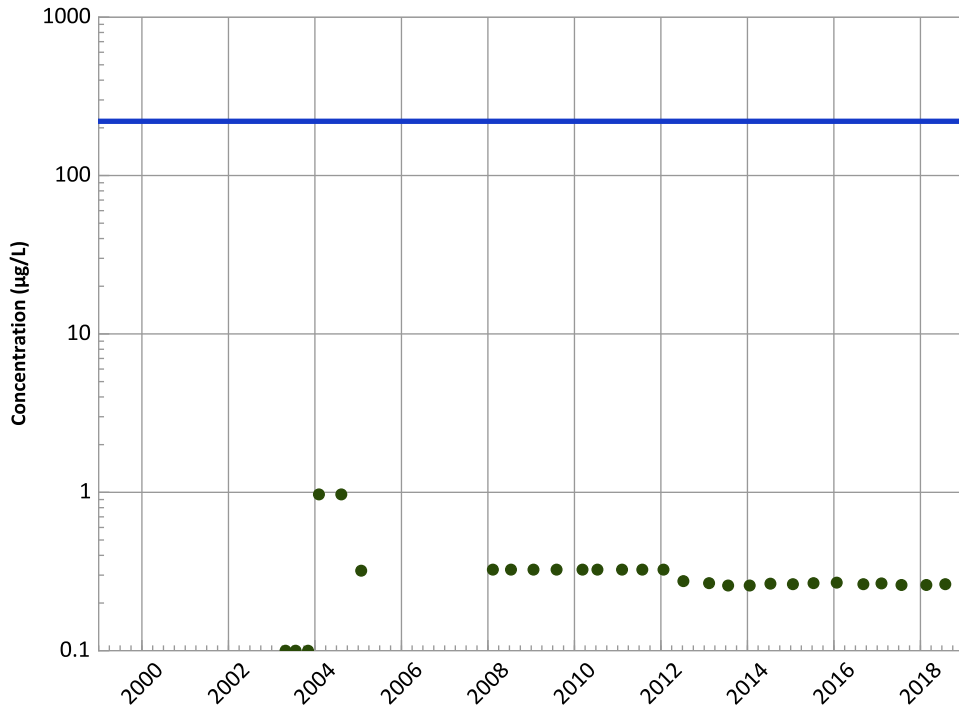
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

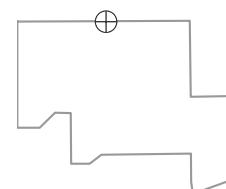
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

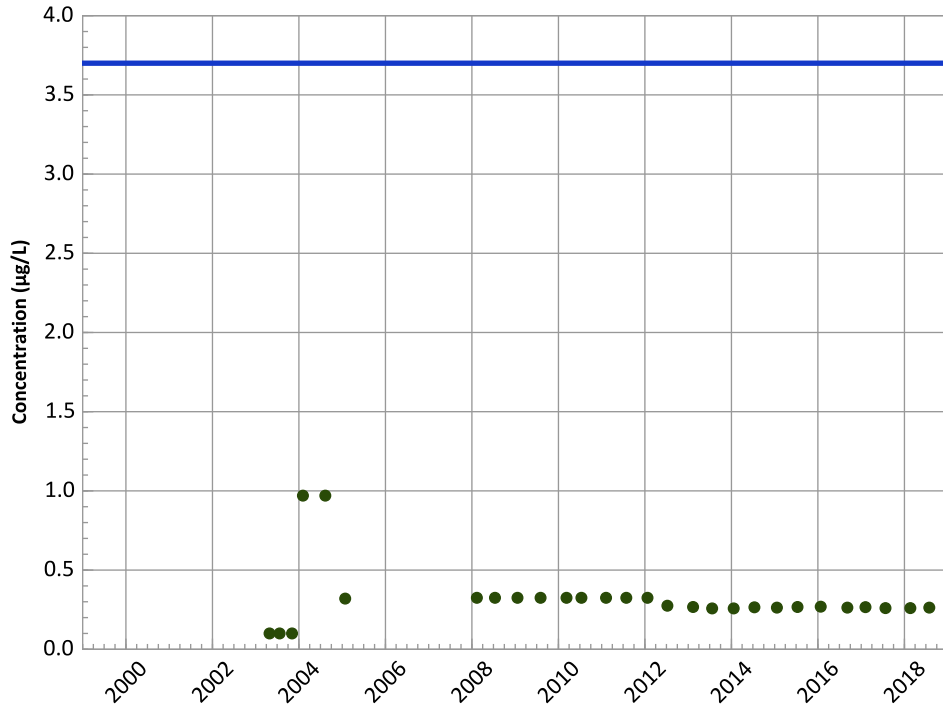
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

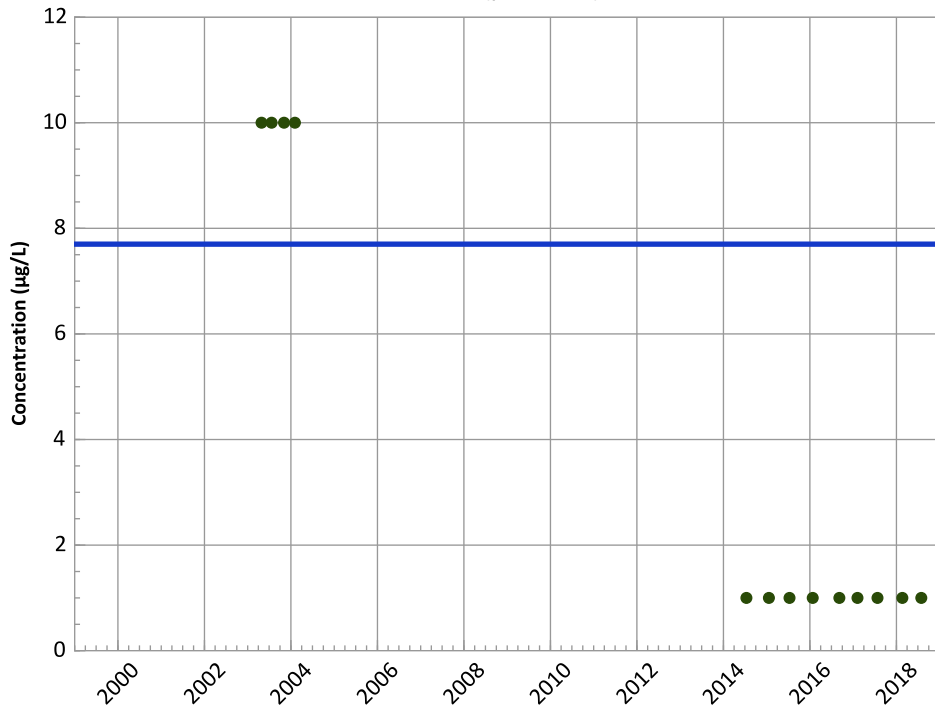
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

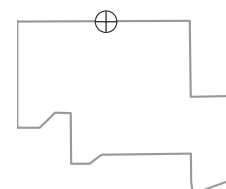
All Data:

All Non-Detect

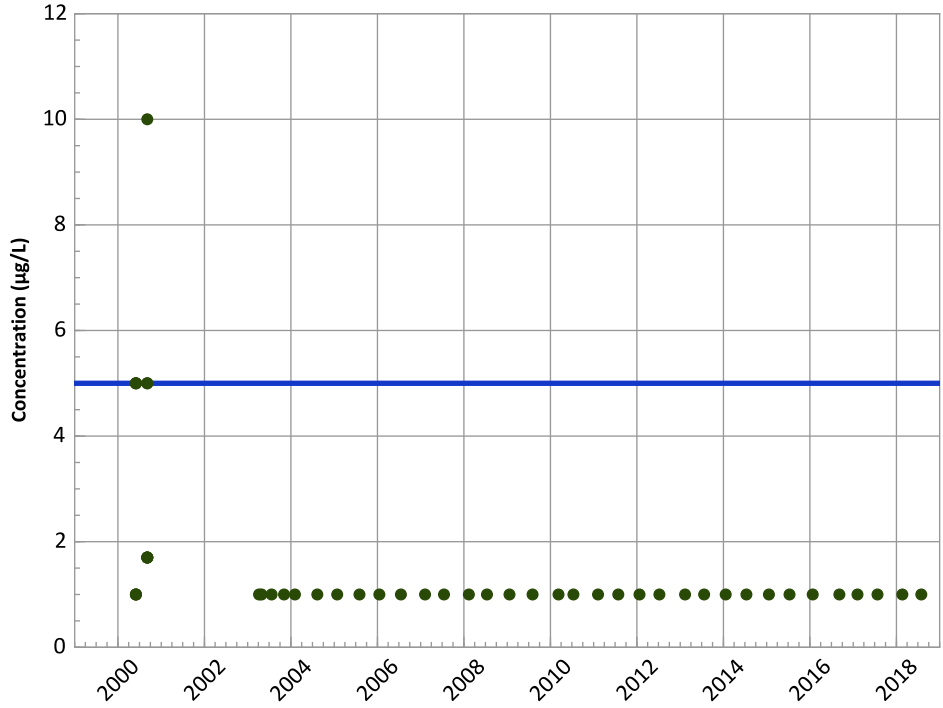
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

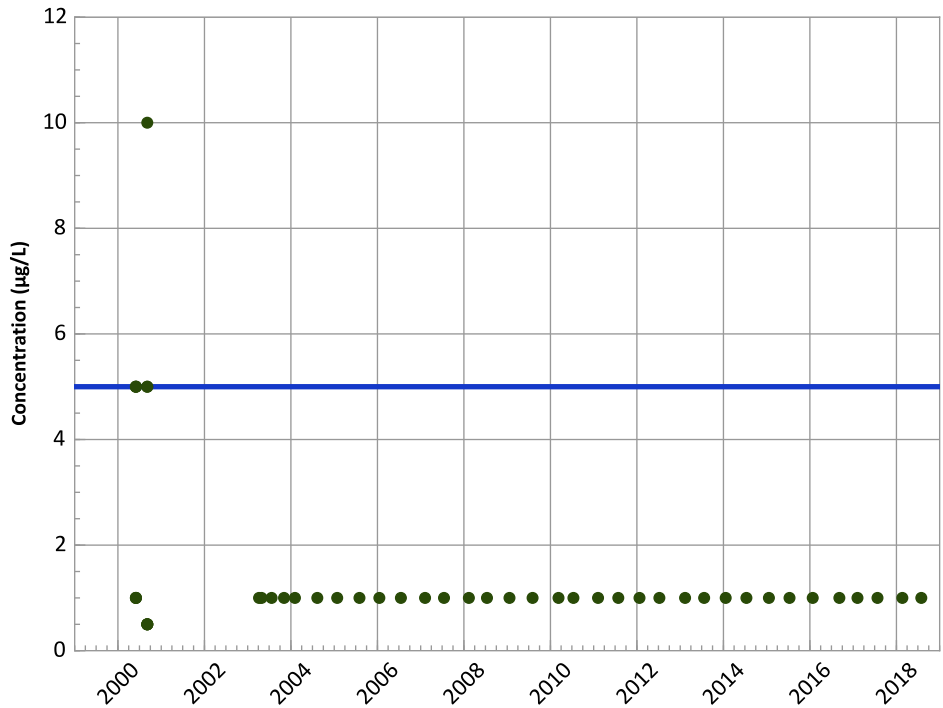
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

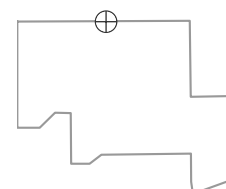
All Data:

All Non-Detect

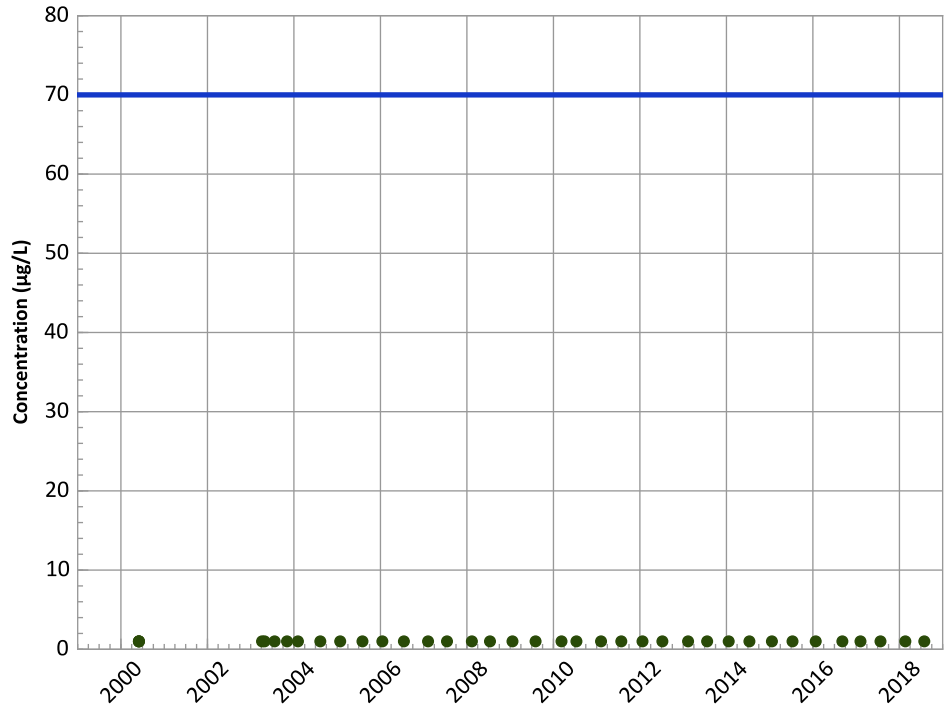
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**
cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

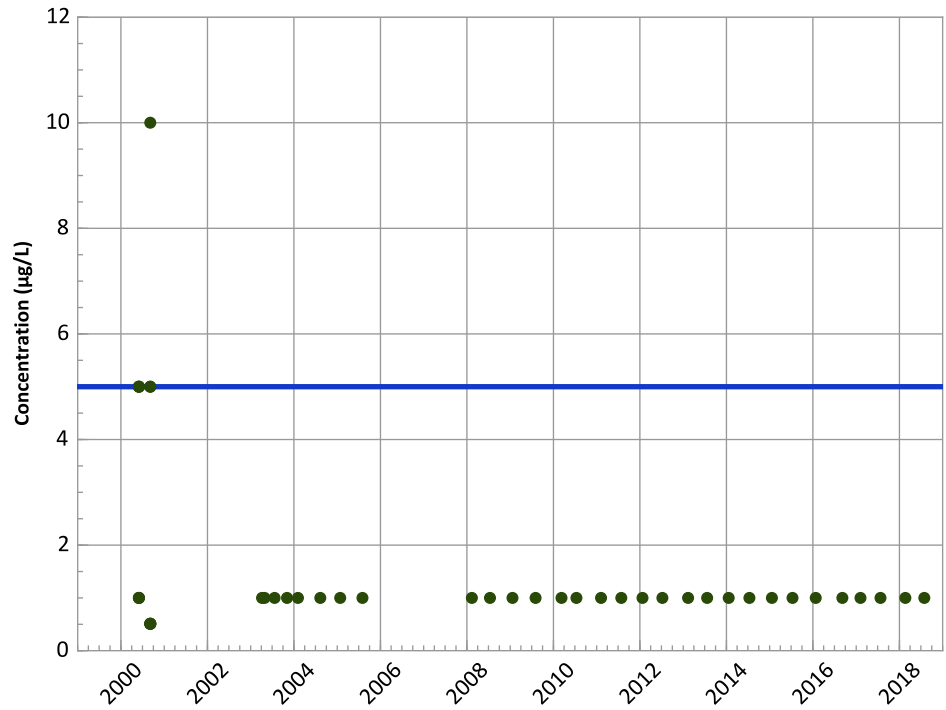
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

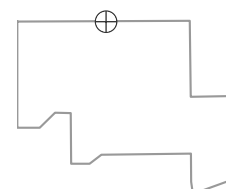
All Data:

All Non-Detect

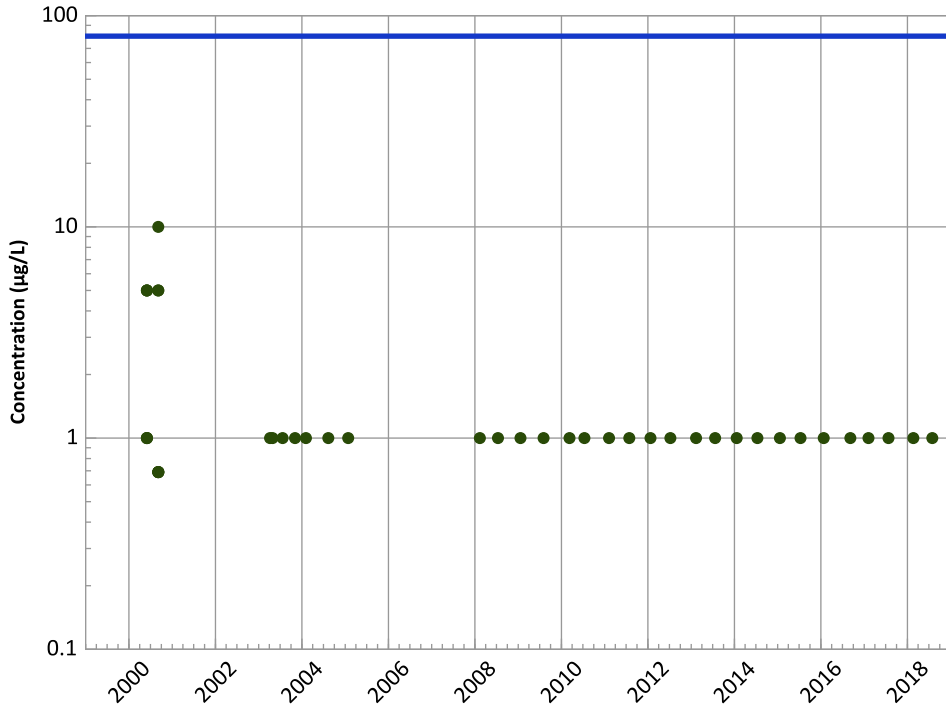
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

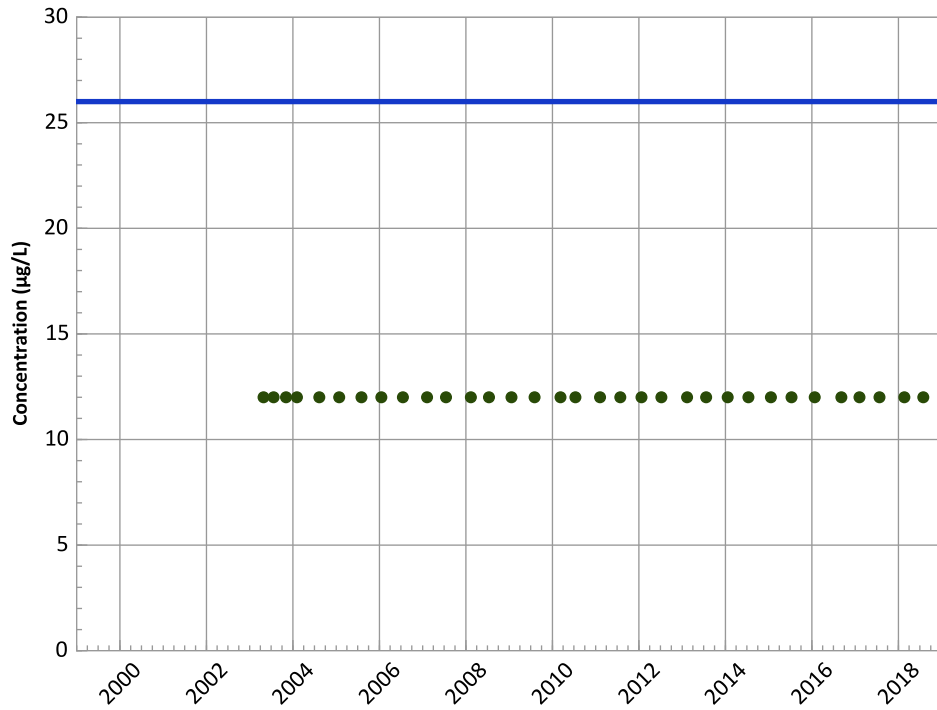


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend



Concentration Trend

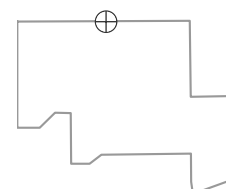
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

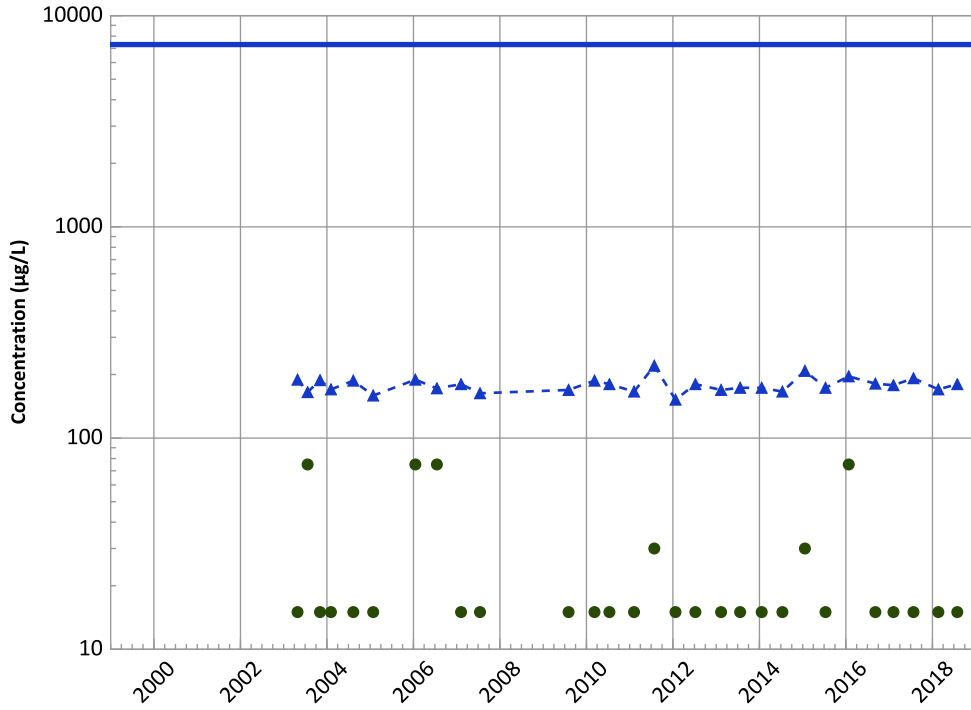
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1012 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

MAROS Linear Regression Method

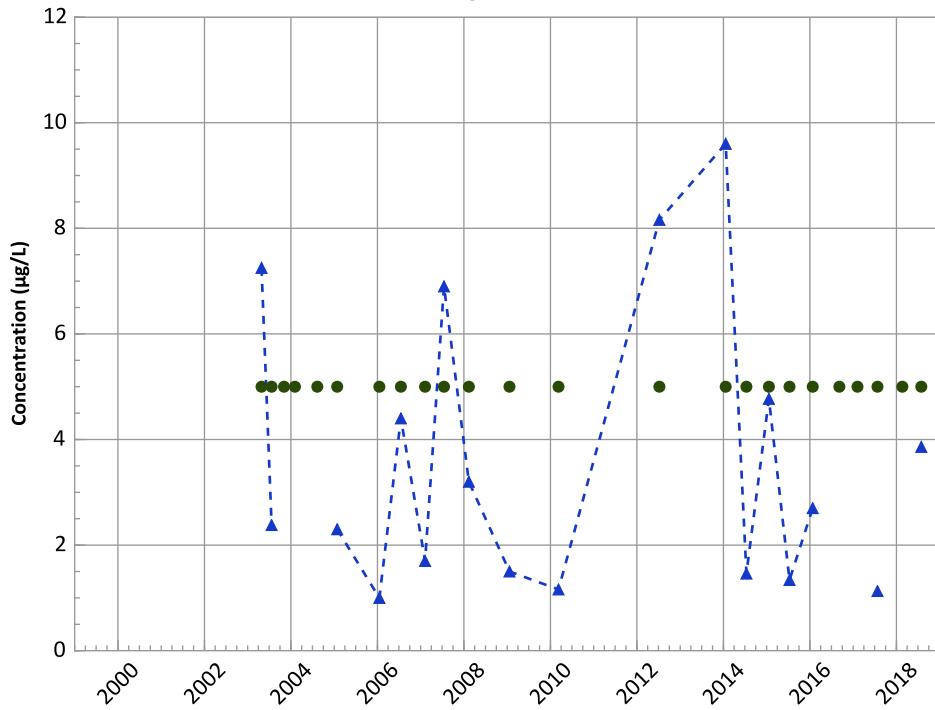
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Probably Decreasing

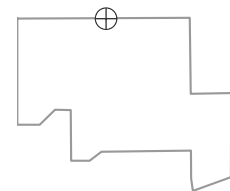
All Data:

Stable

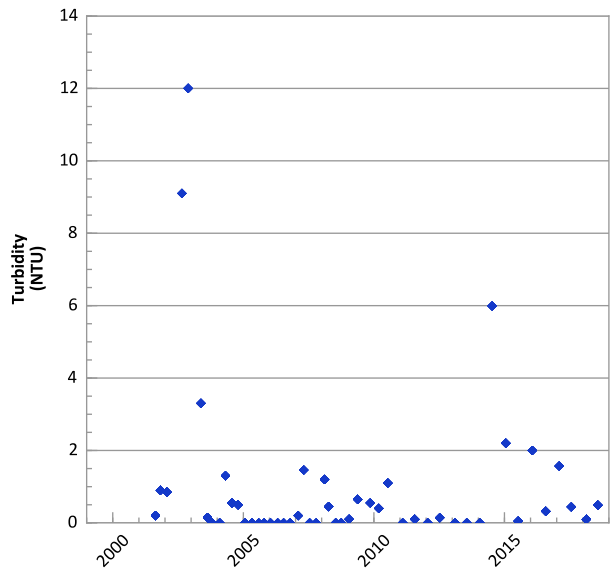
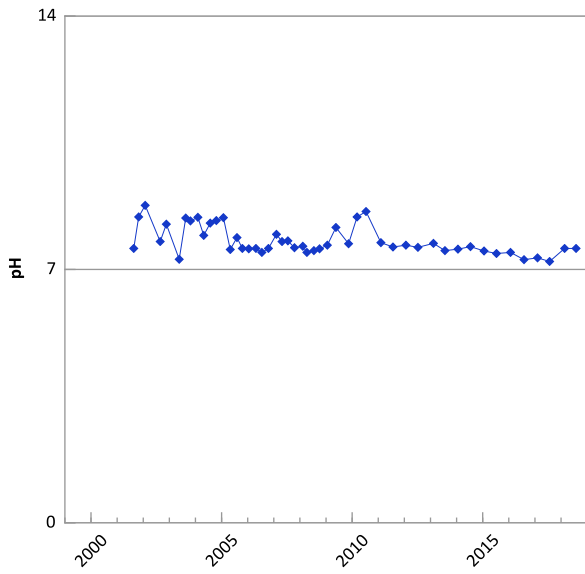
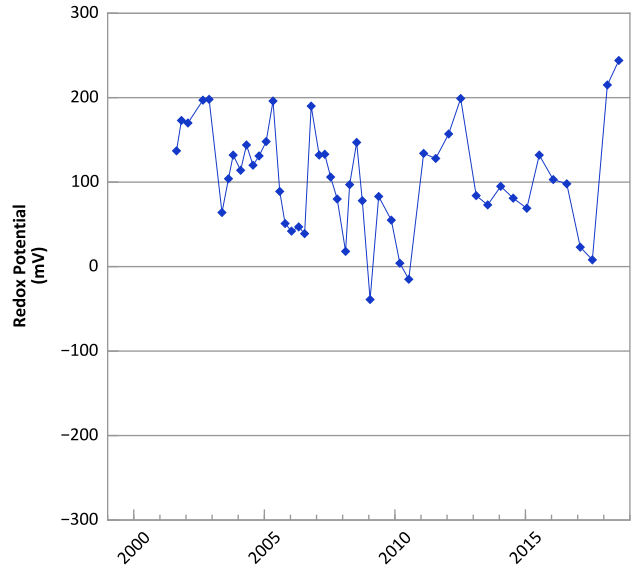
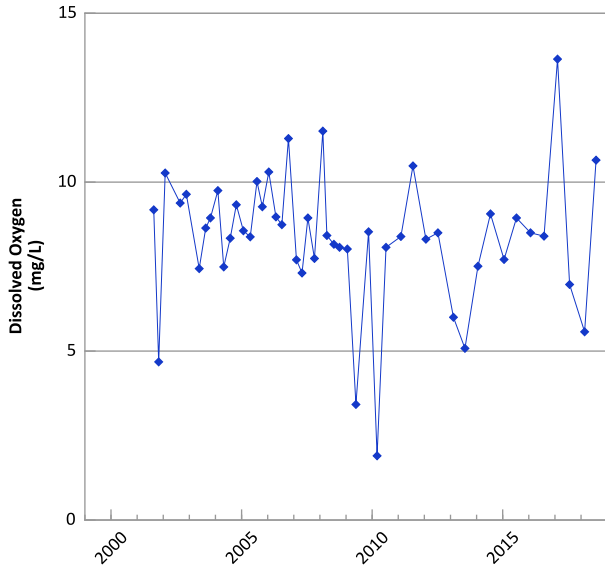
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

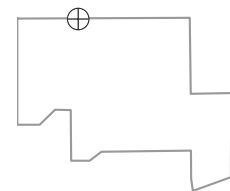


**PTX01-1013 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



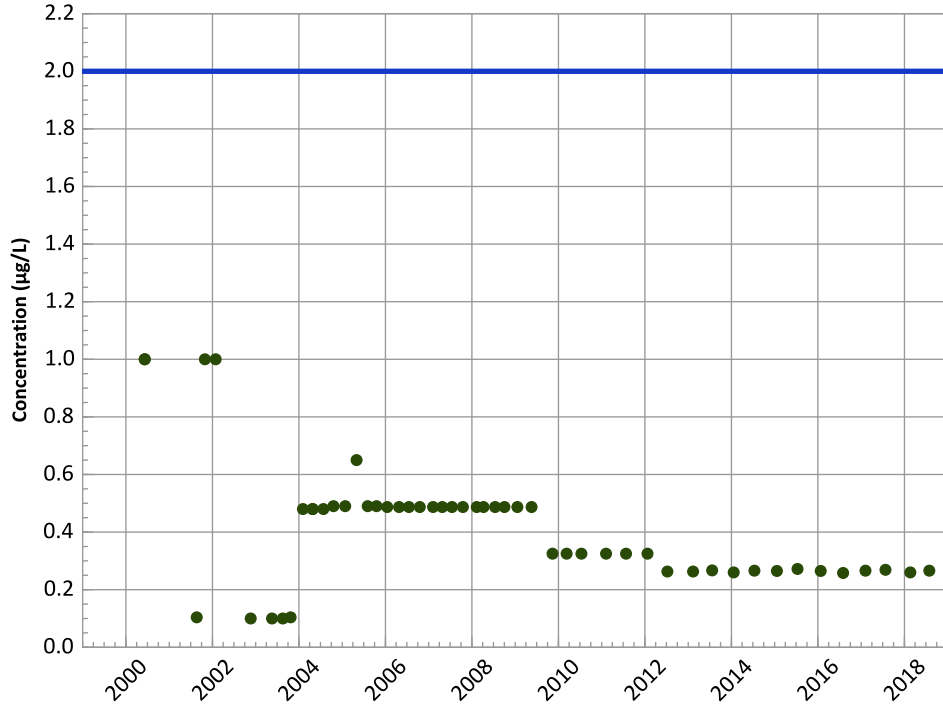
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

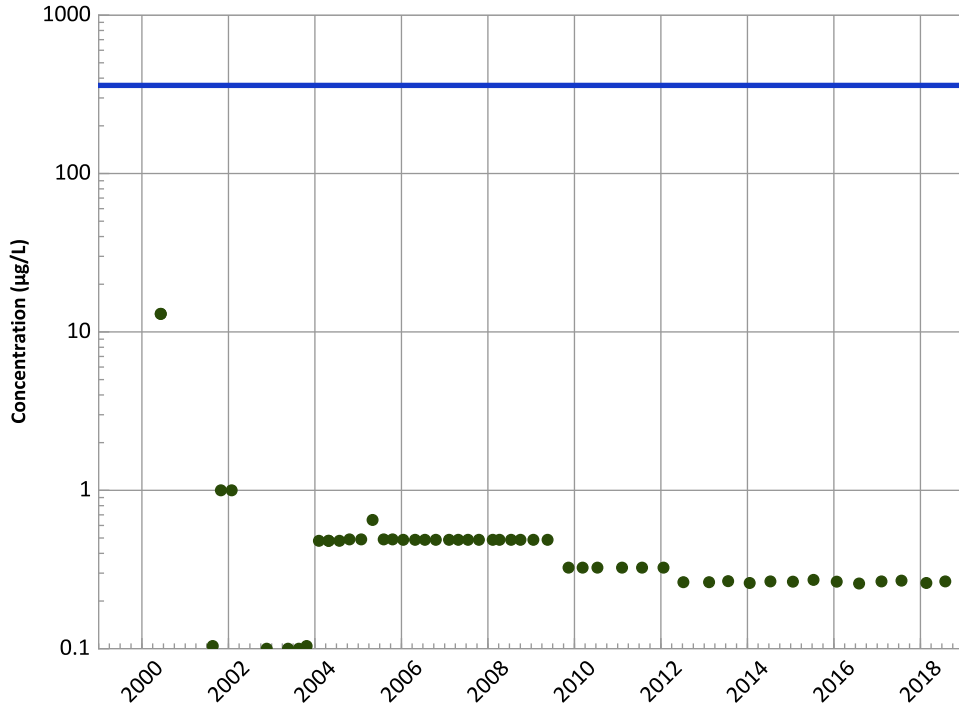
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

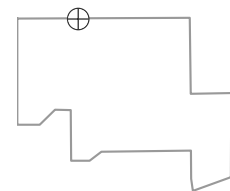
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

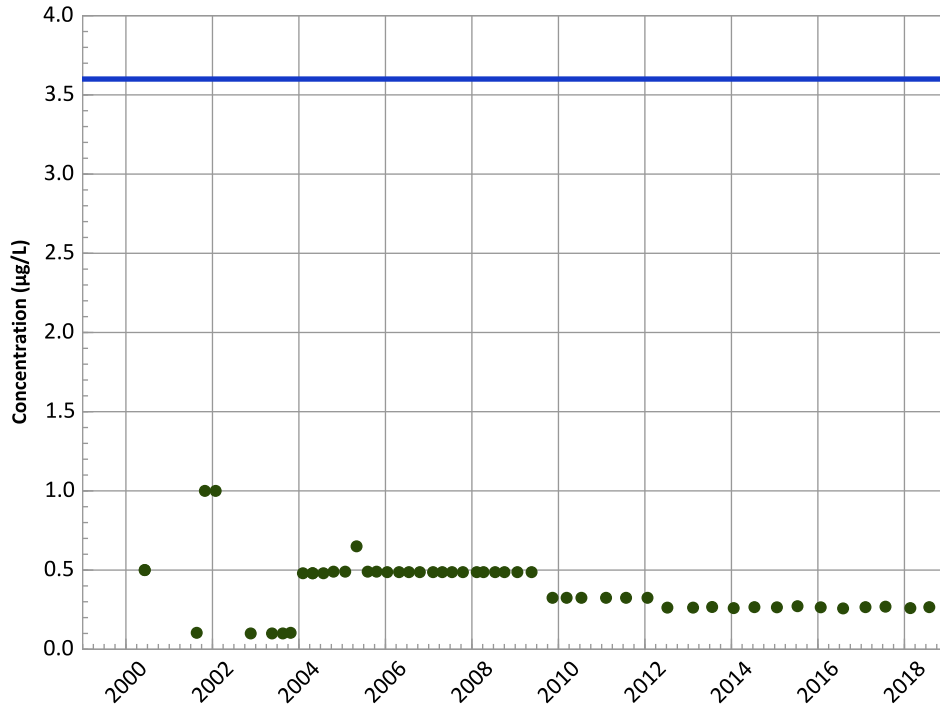
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

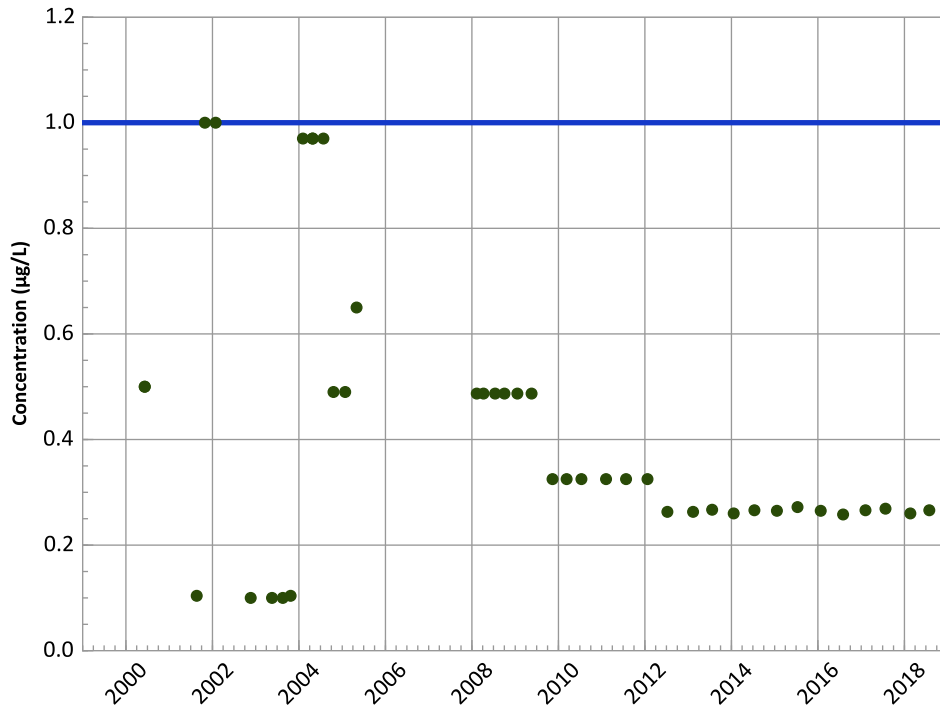
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

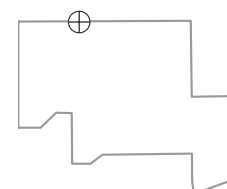
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

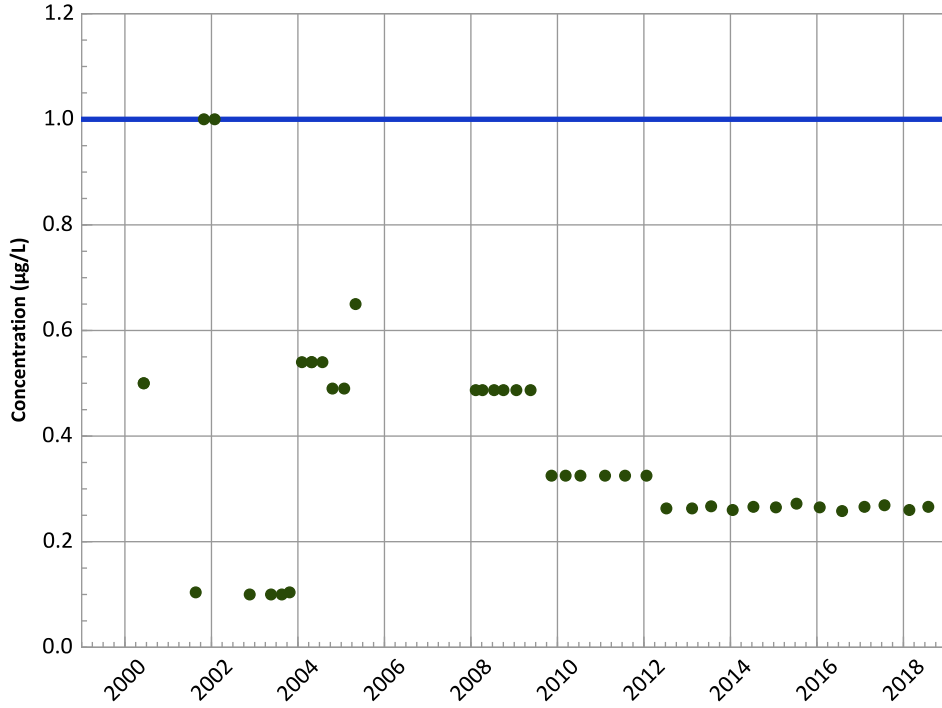
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

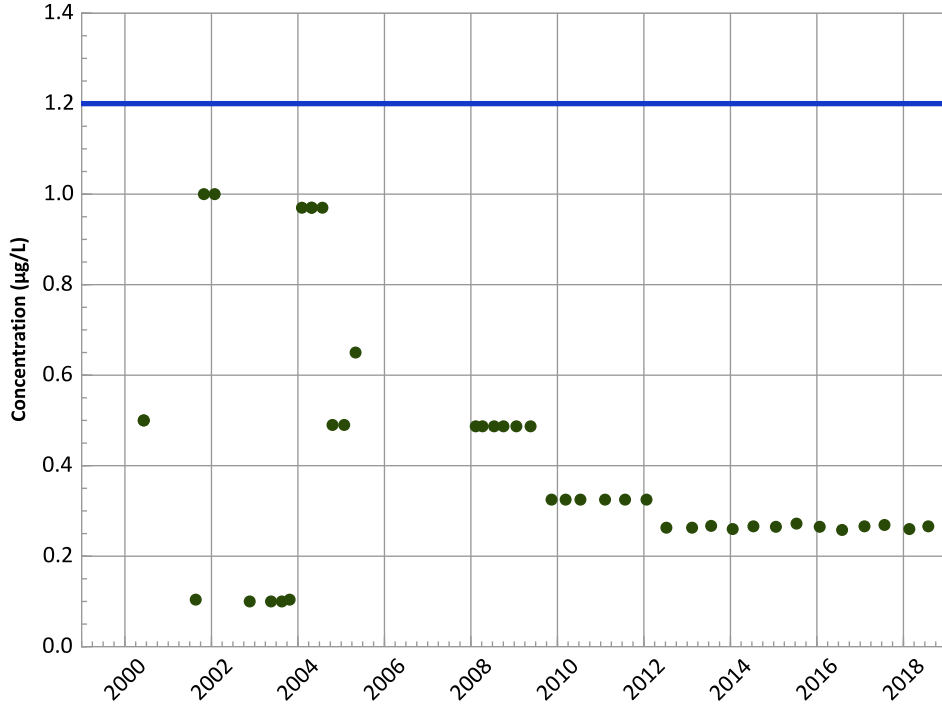
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

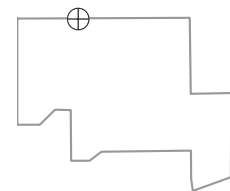
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

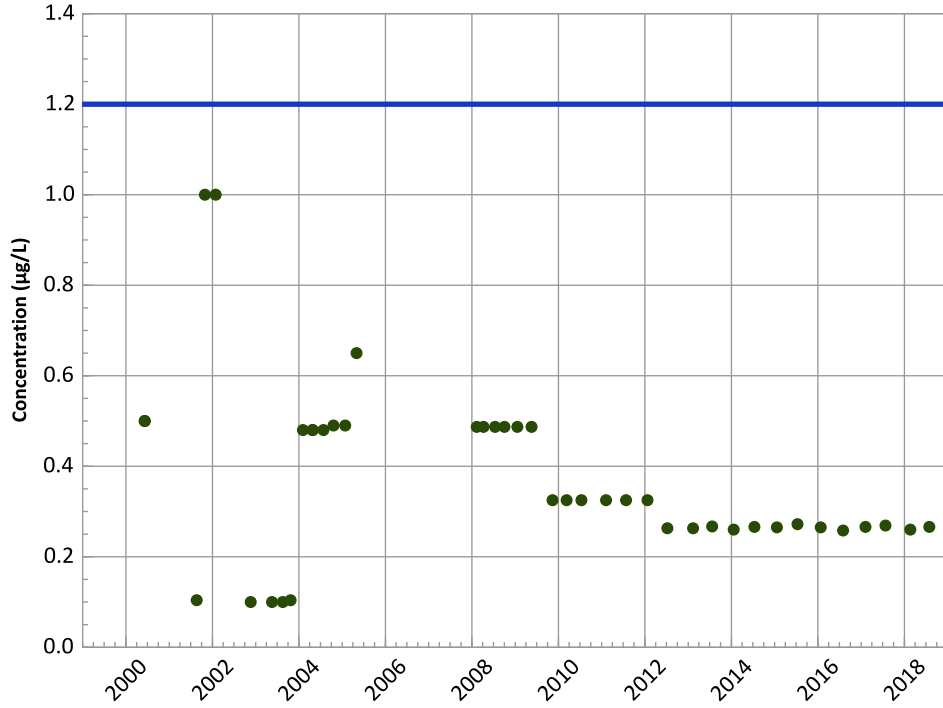
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

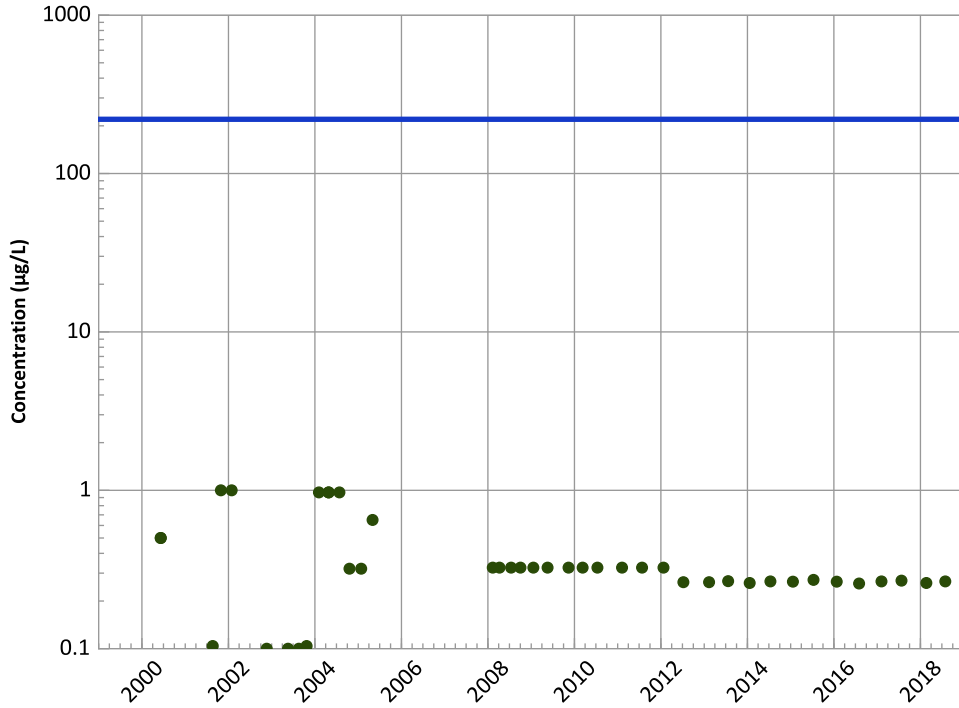
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

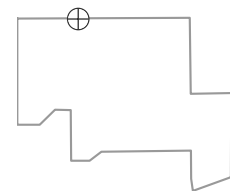
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

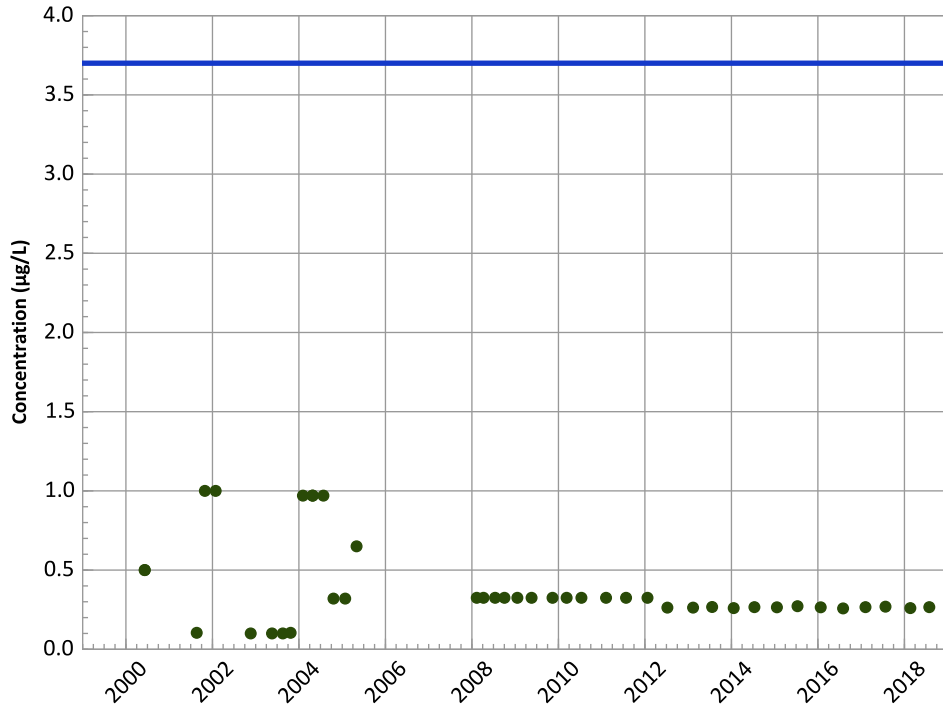
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

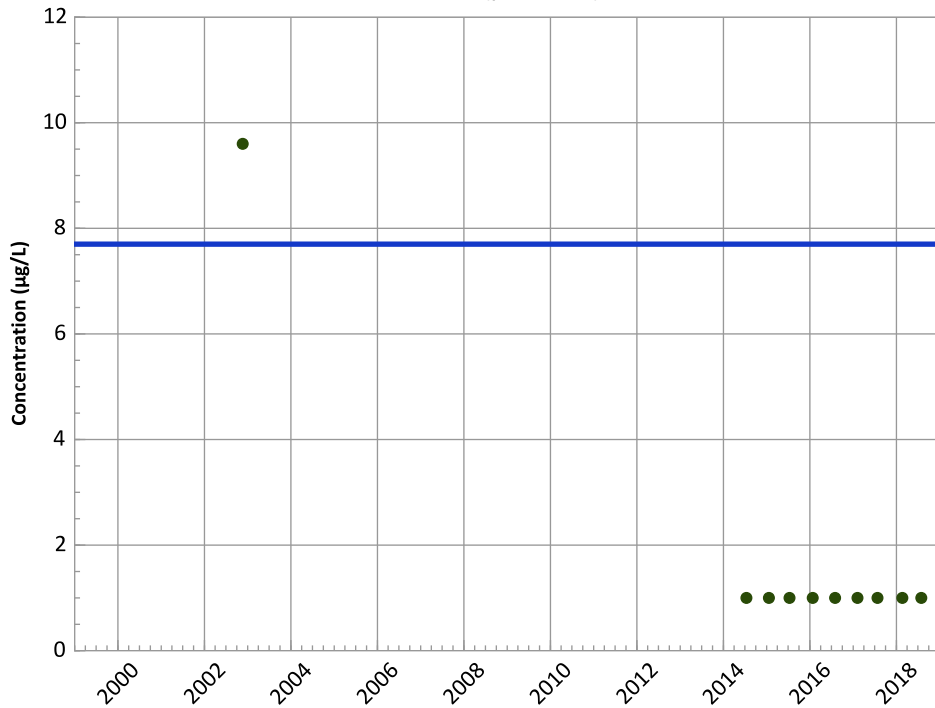
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

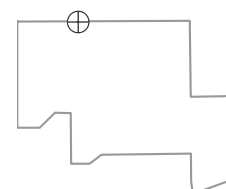
All Data:

All Non-Detect

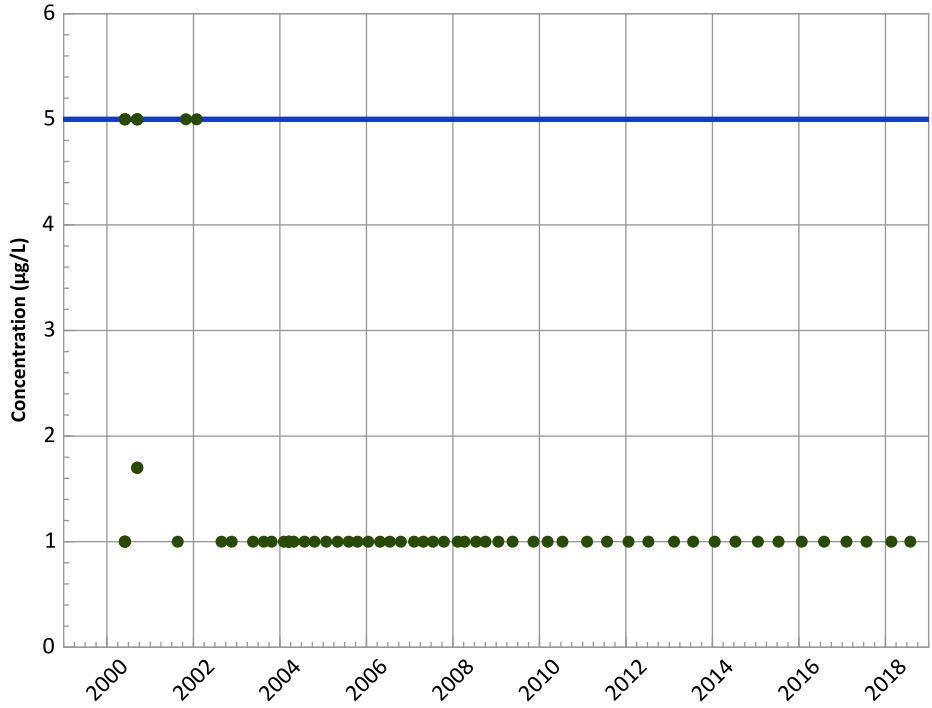
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

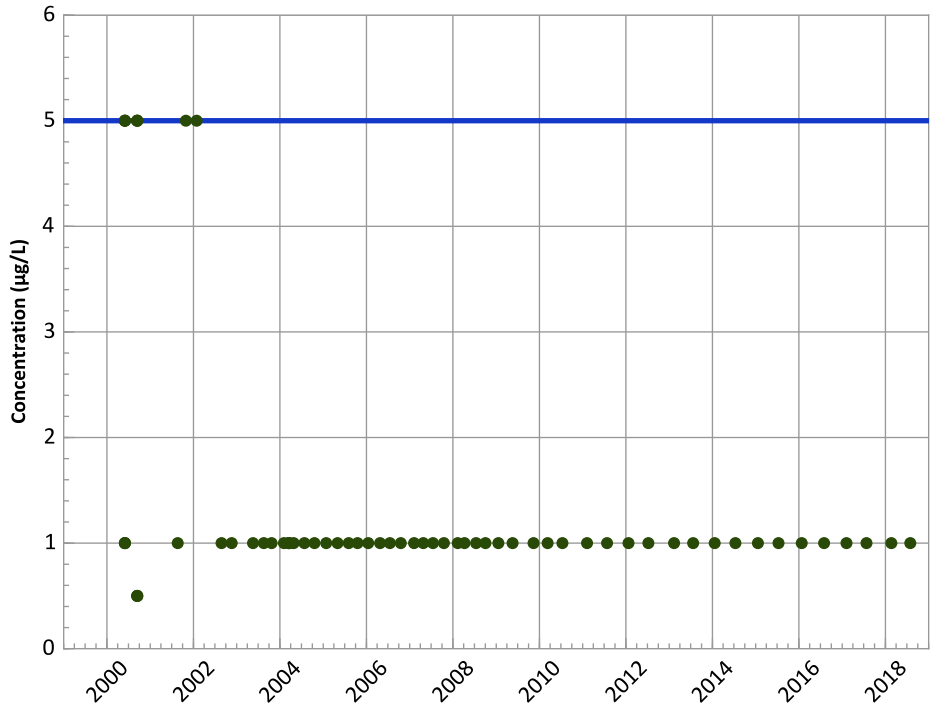
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

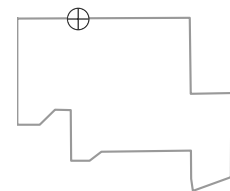
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

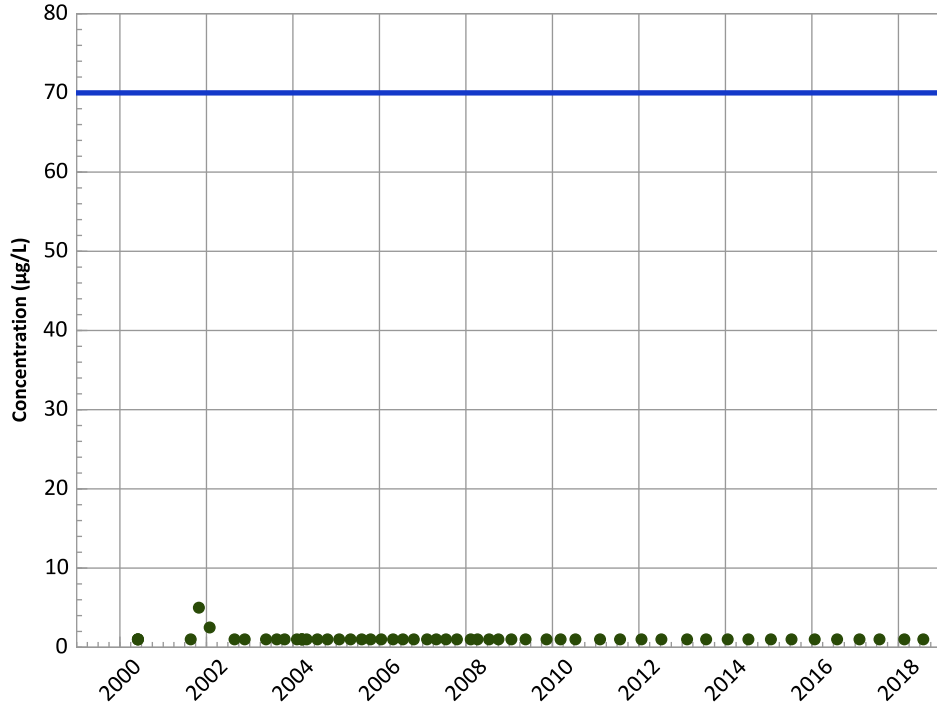


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/01/2000 to 07/30/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1013 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

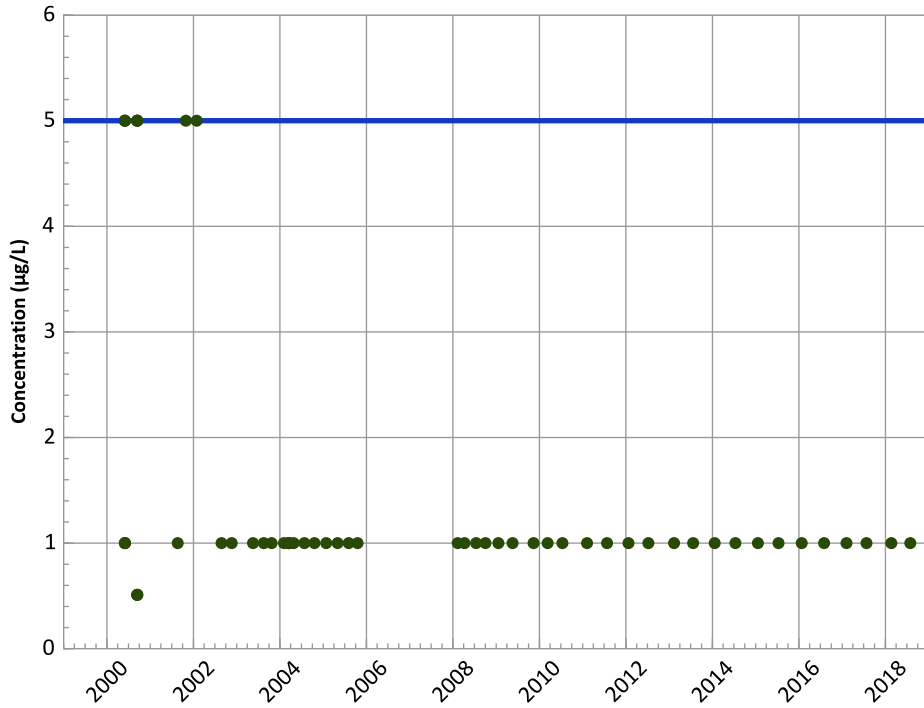
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

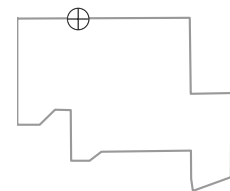
All Data:

All Non-Detect

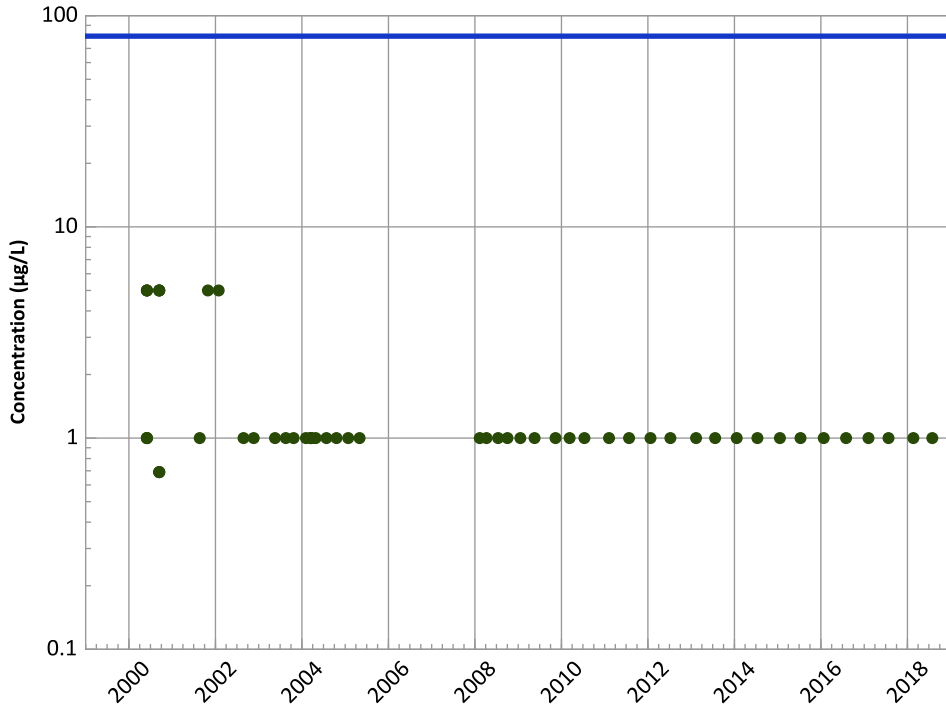
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX01-1013 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend

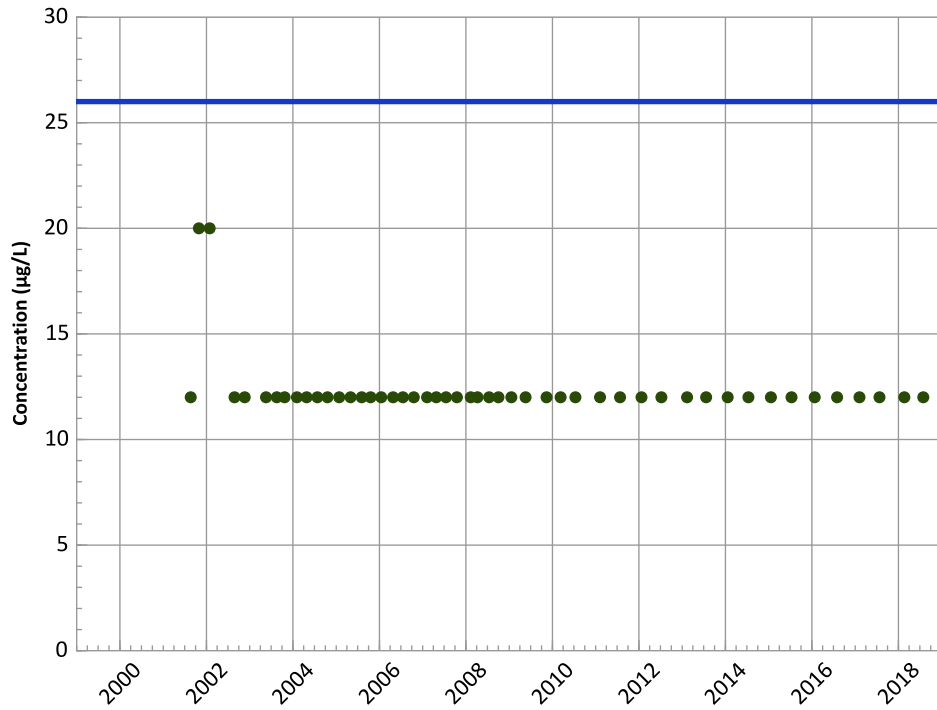


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

Perchlorate Trend

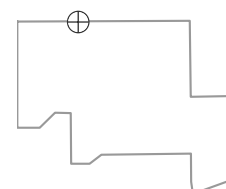


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

Well Location

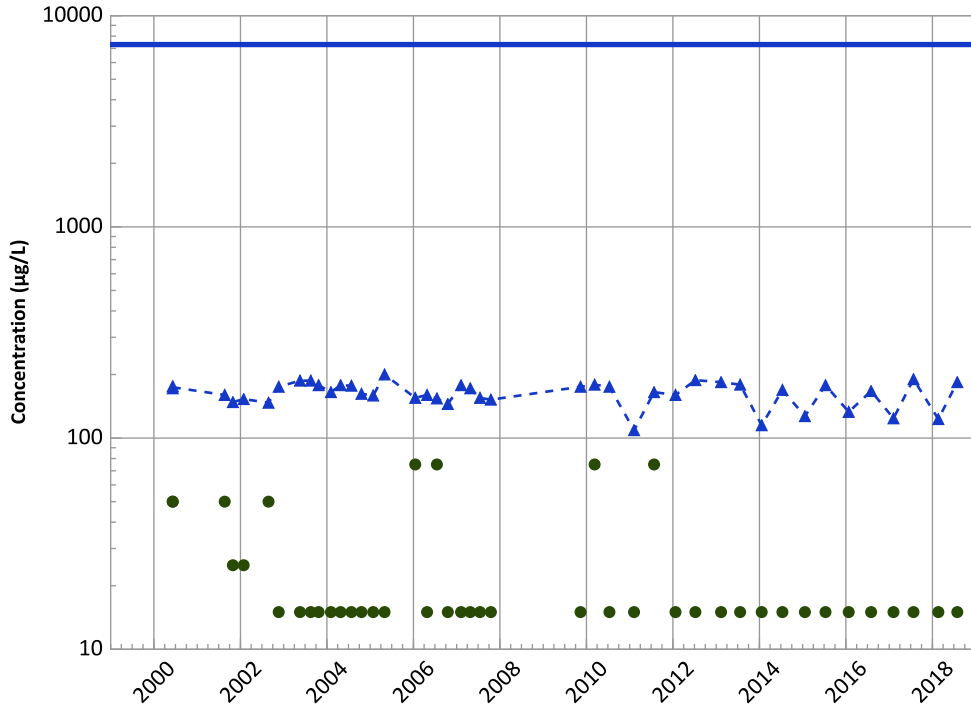


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/01/2000 to 07/30/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX01-1013 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

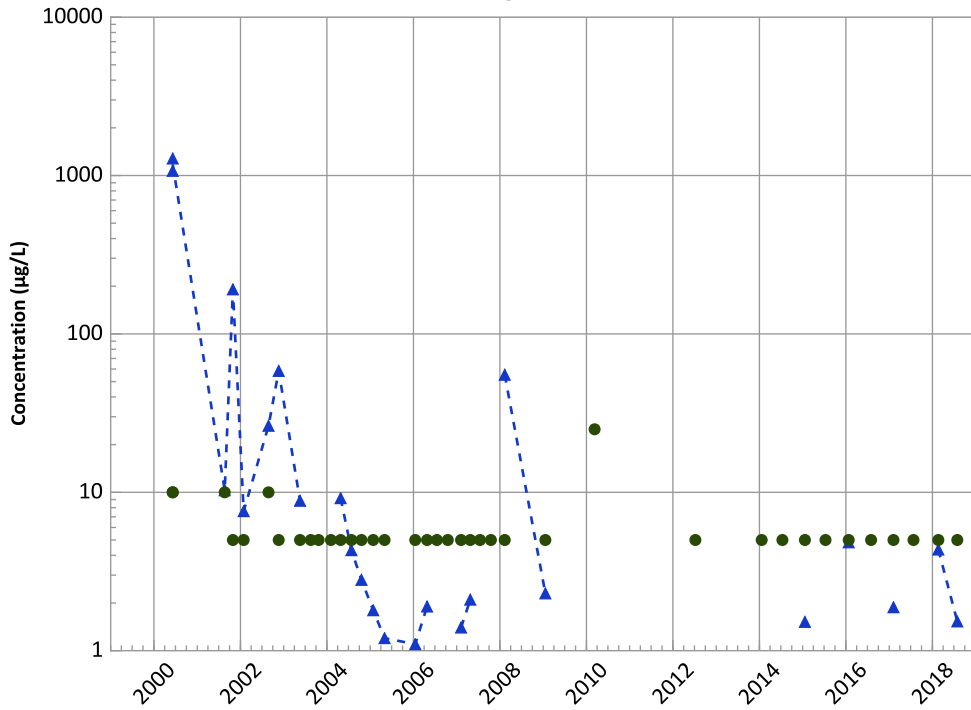
Data (2017 - 2021):

Stable

All Data:

Probably Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

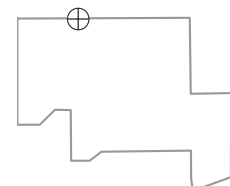
All Data:

Decreasing

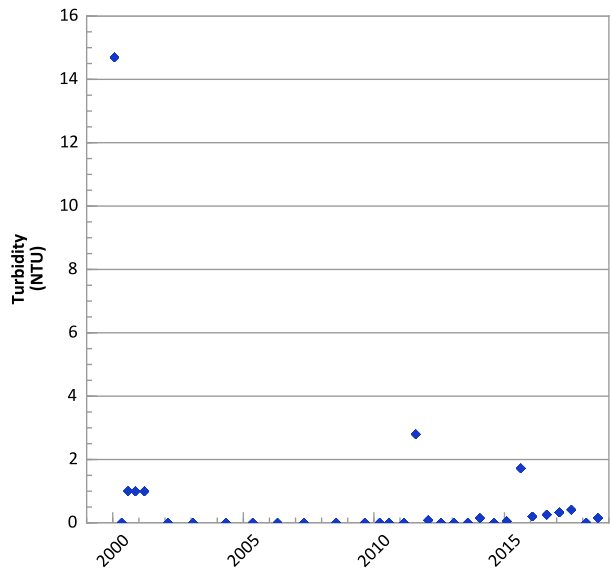
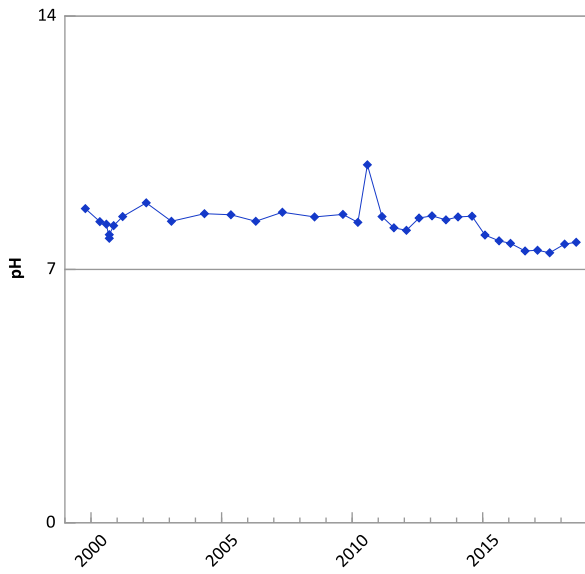
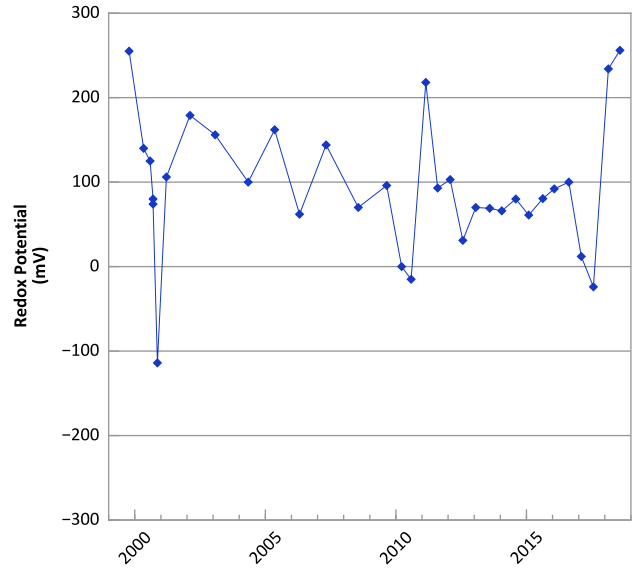
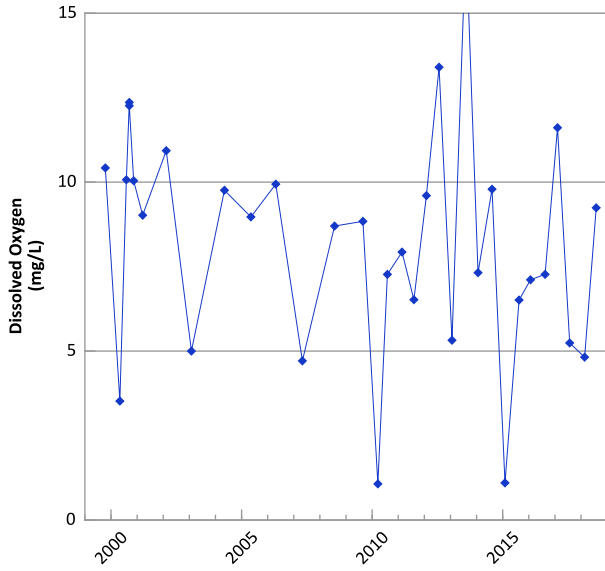
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/01/2000 to 07/30/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

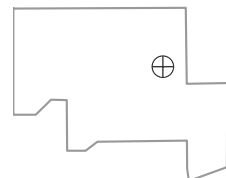


**PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



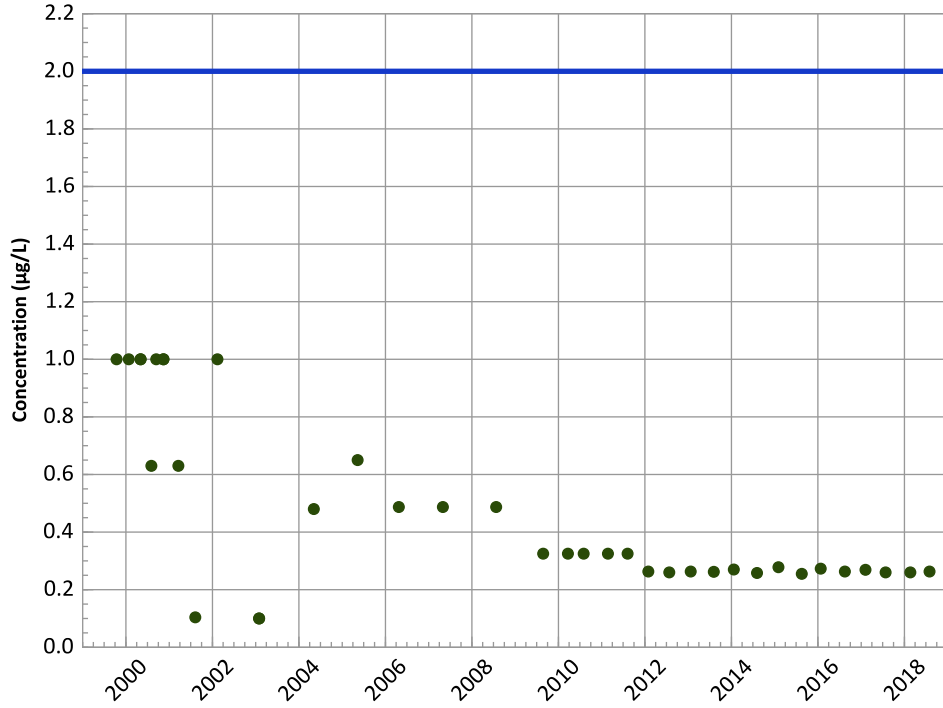
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/14/1999 to 08/01/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

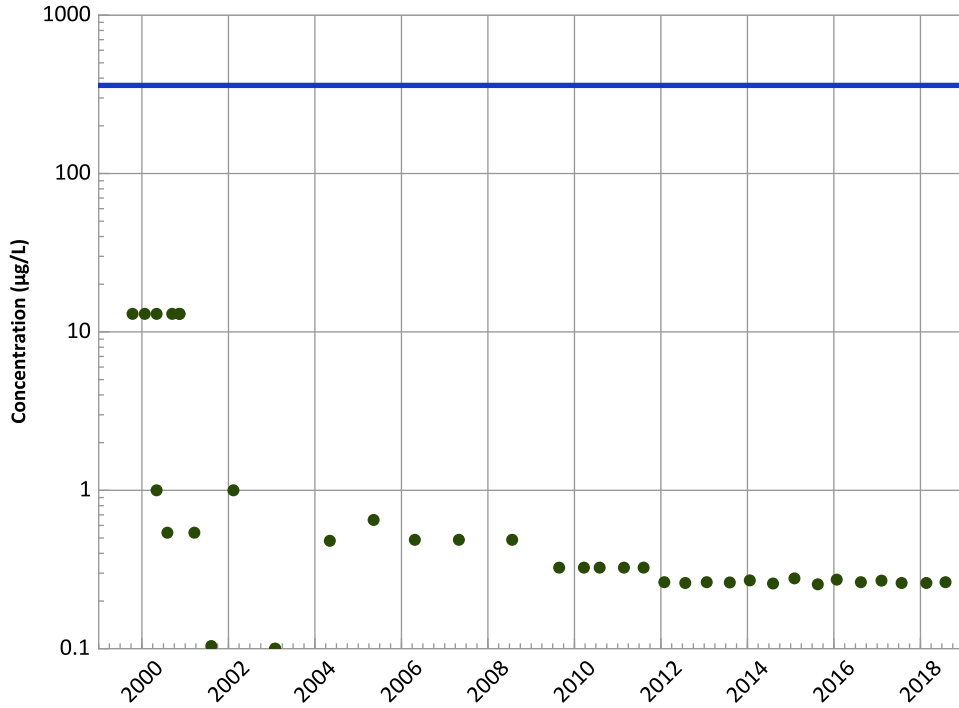
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

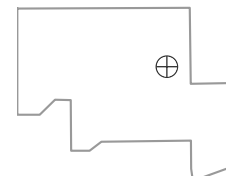
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

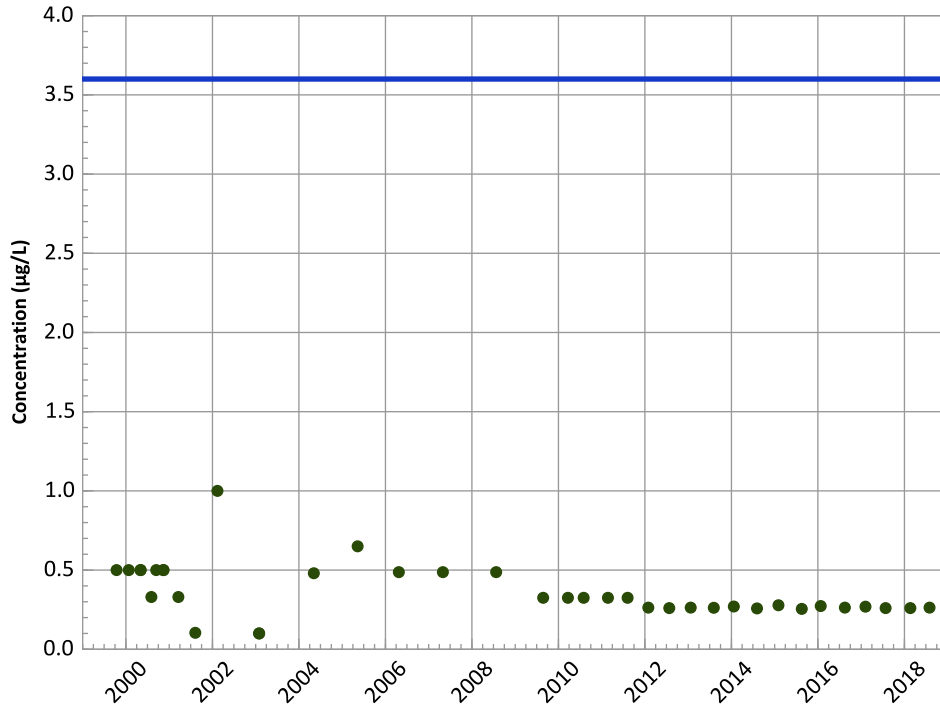
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

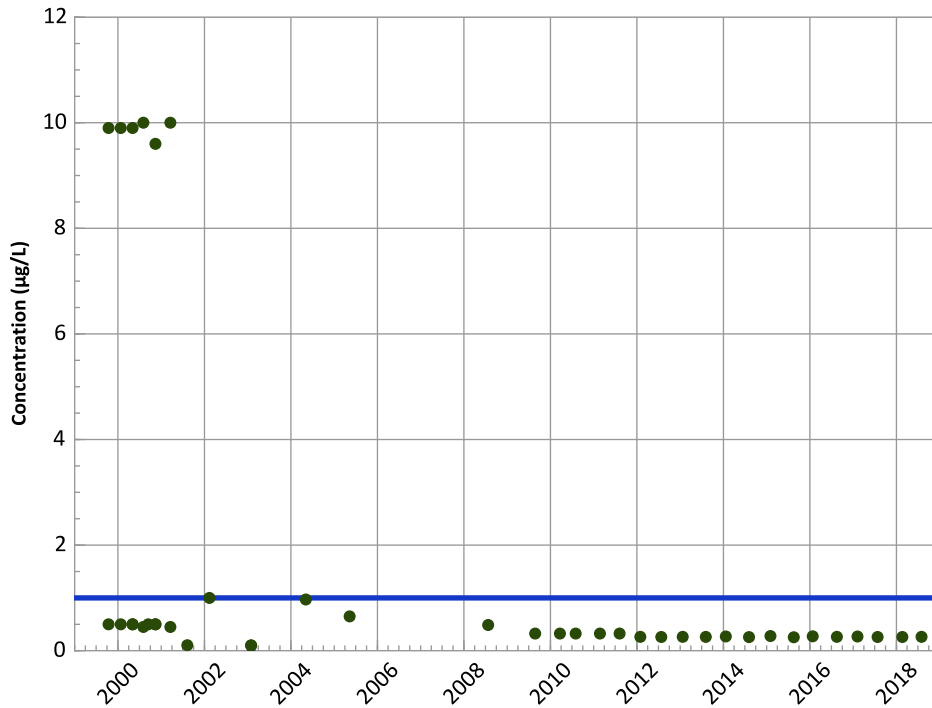
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

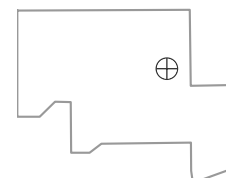
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

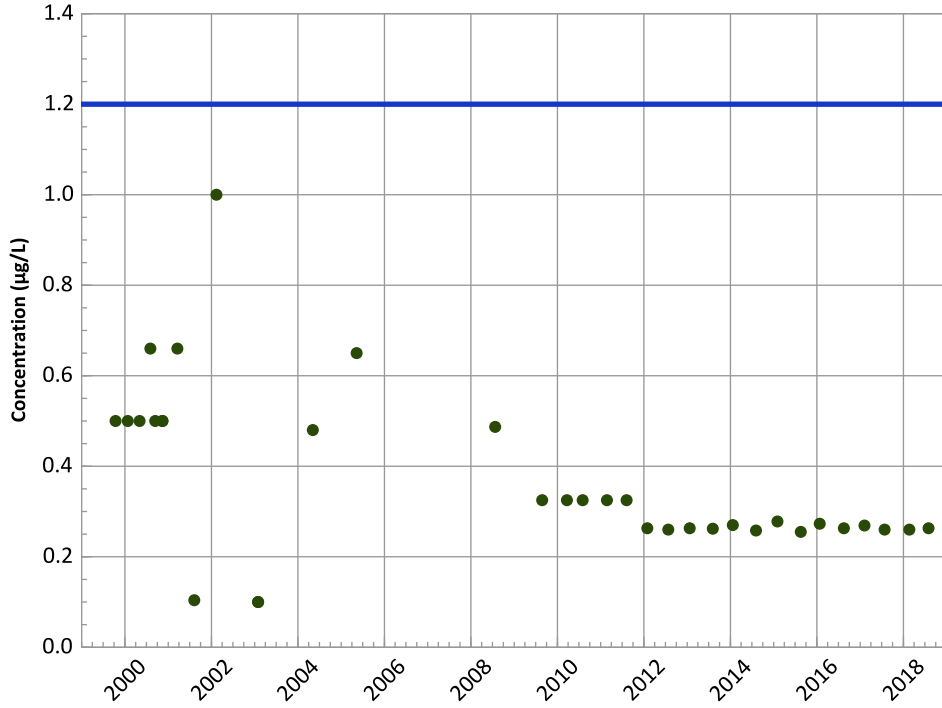


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

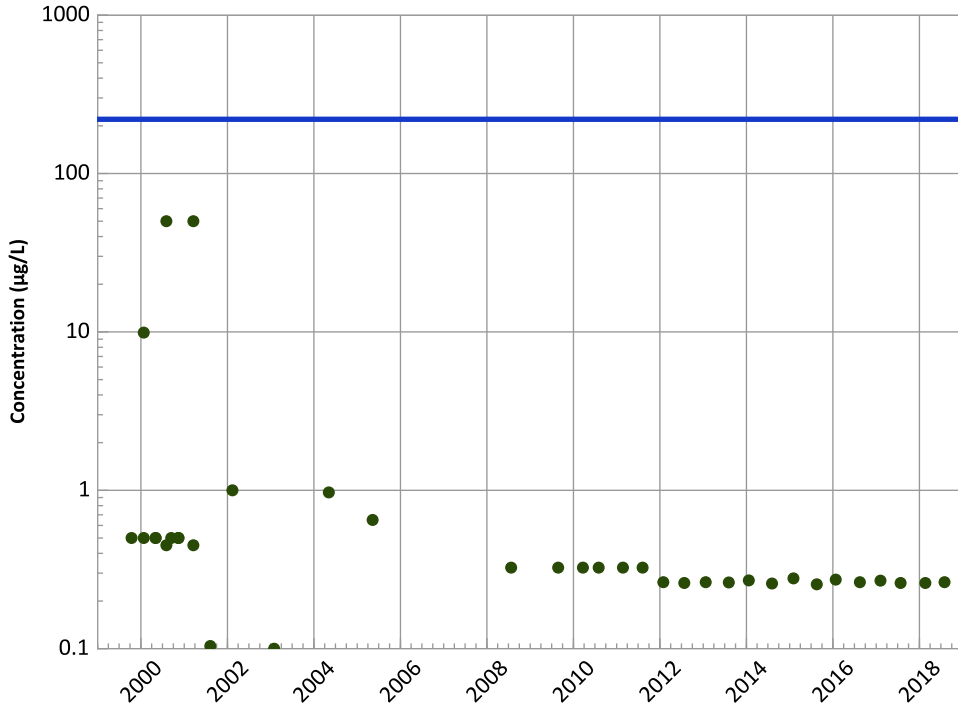
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

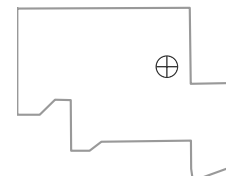
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

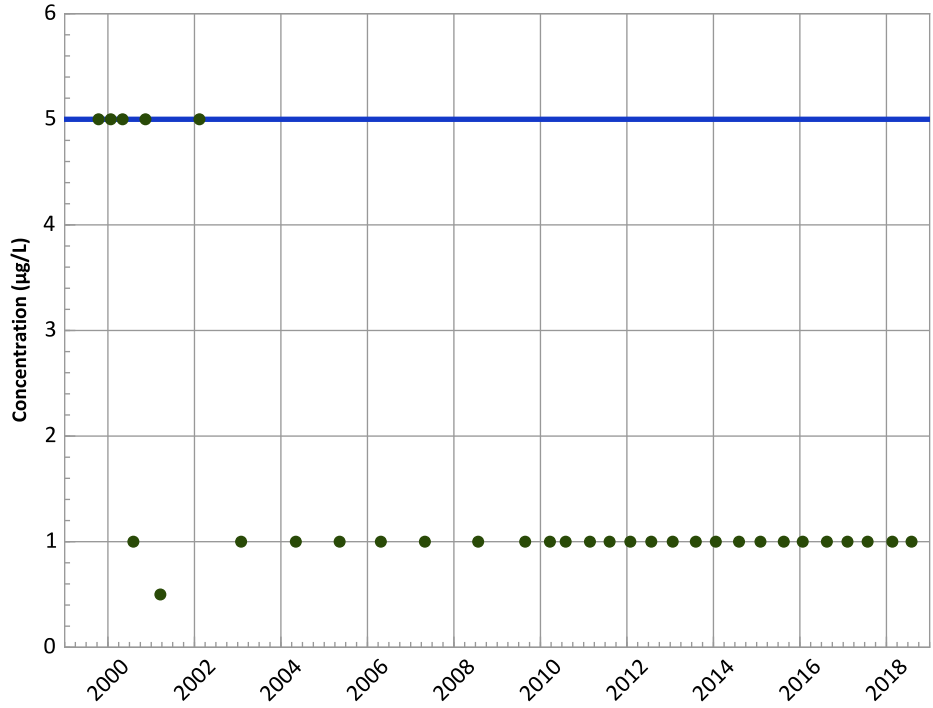
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

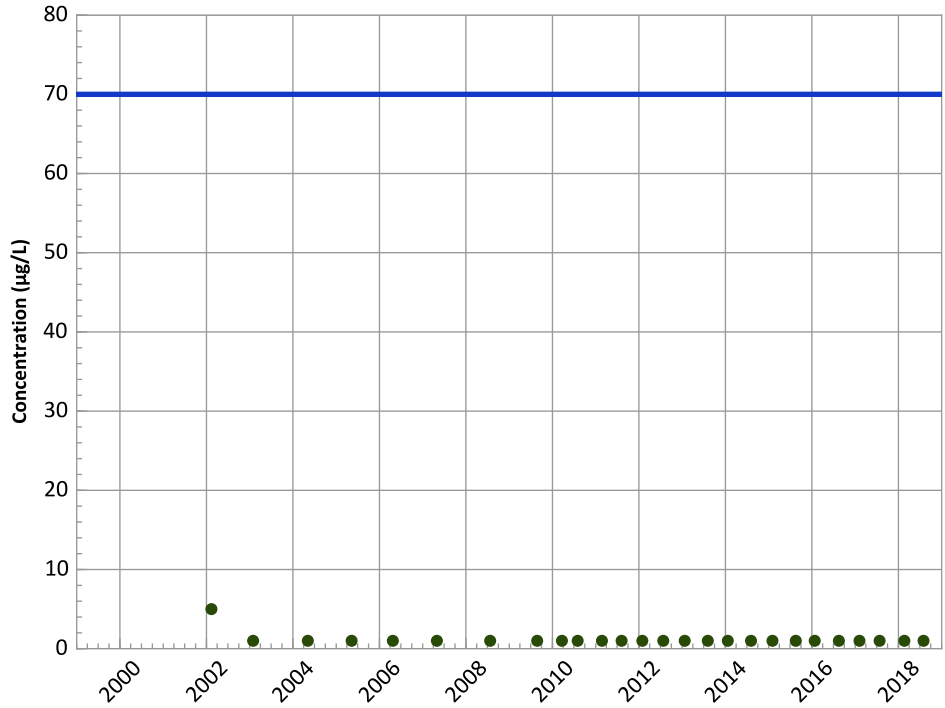
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

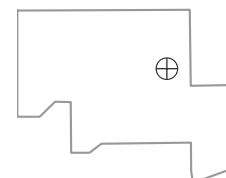
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

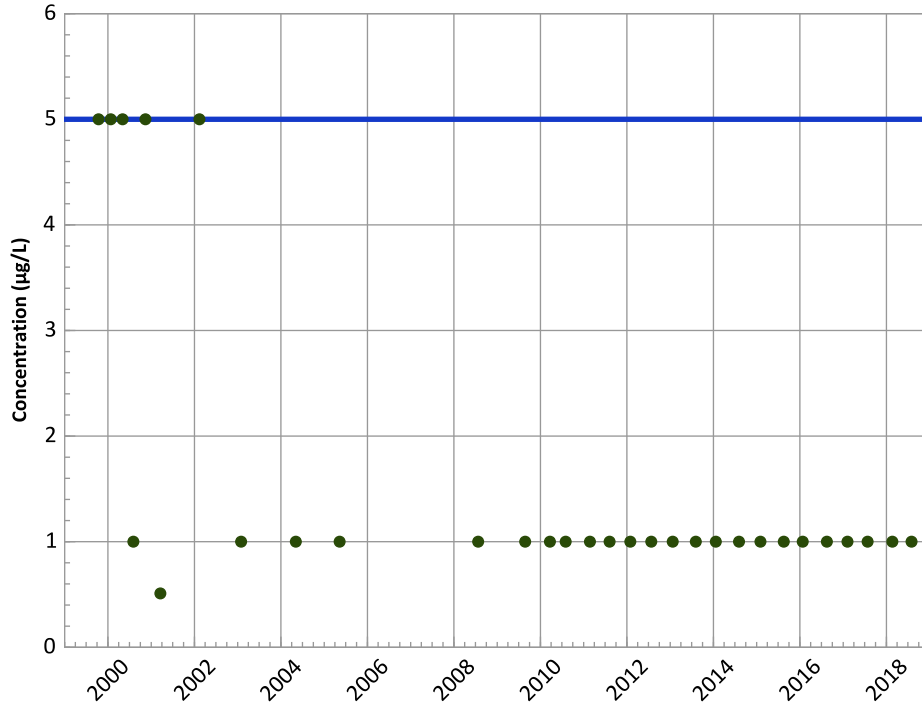


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

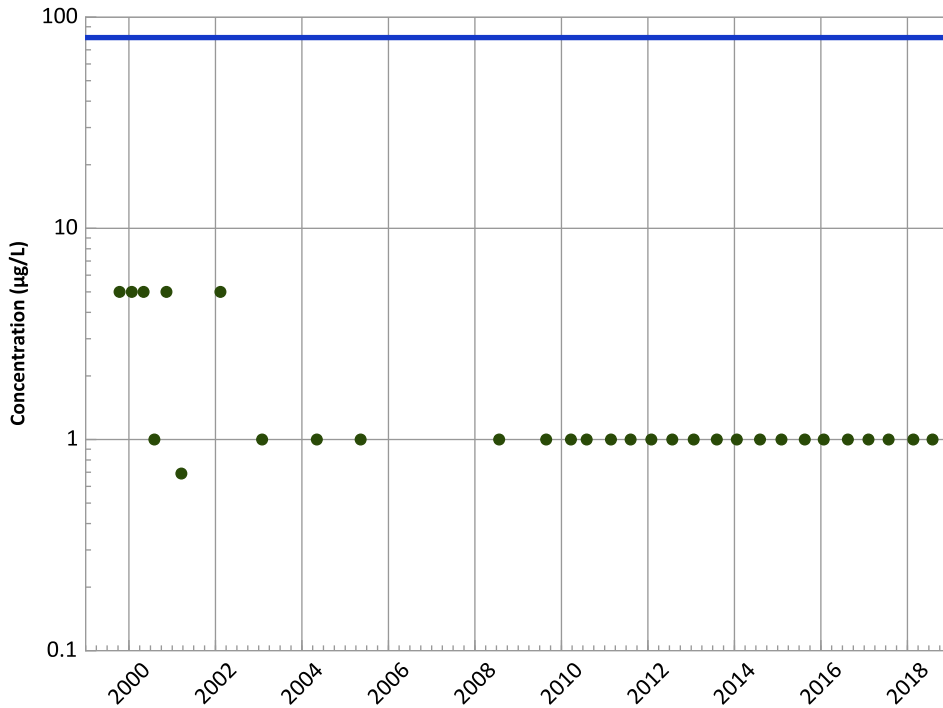
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

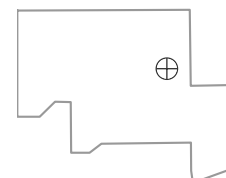
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

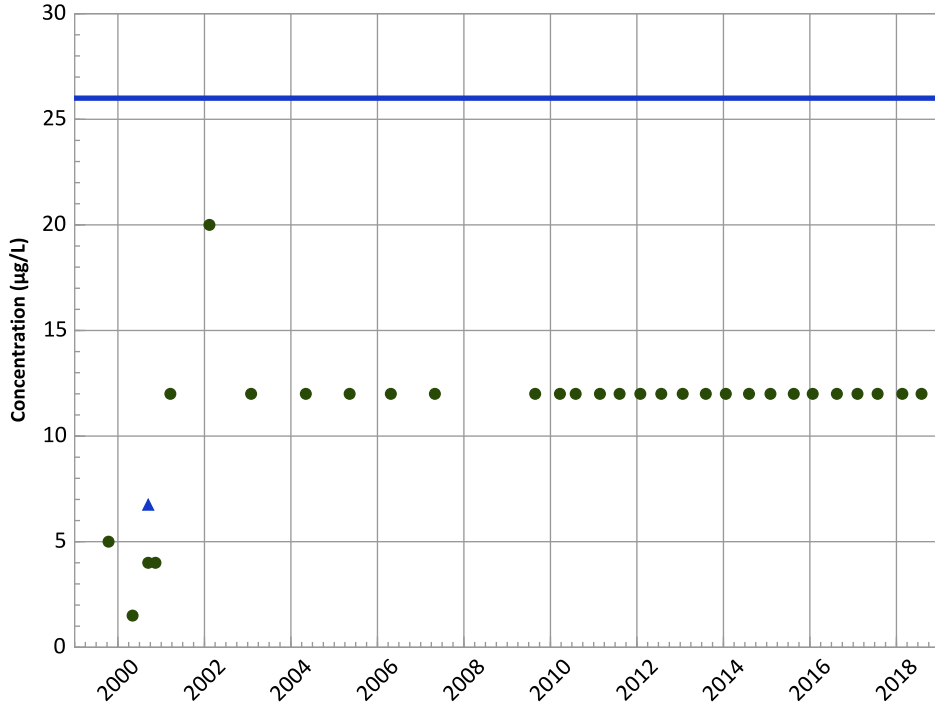


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend

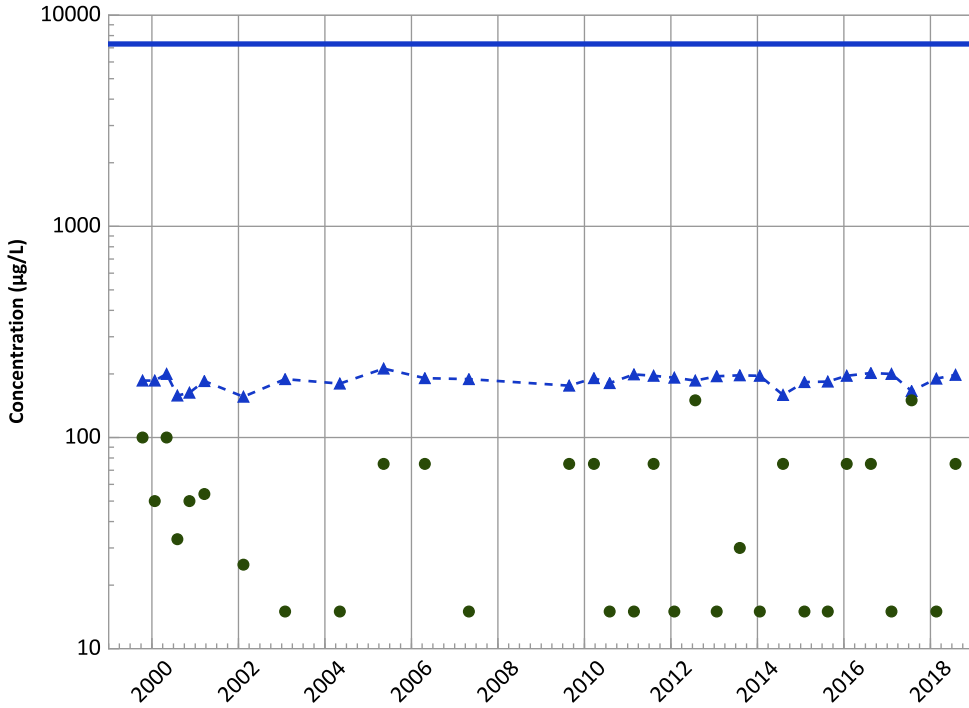


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

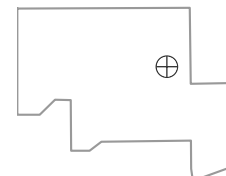
MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

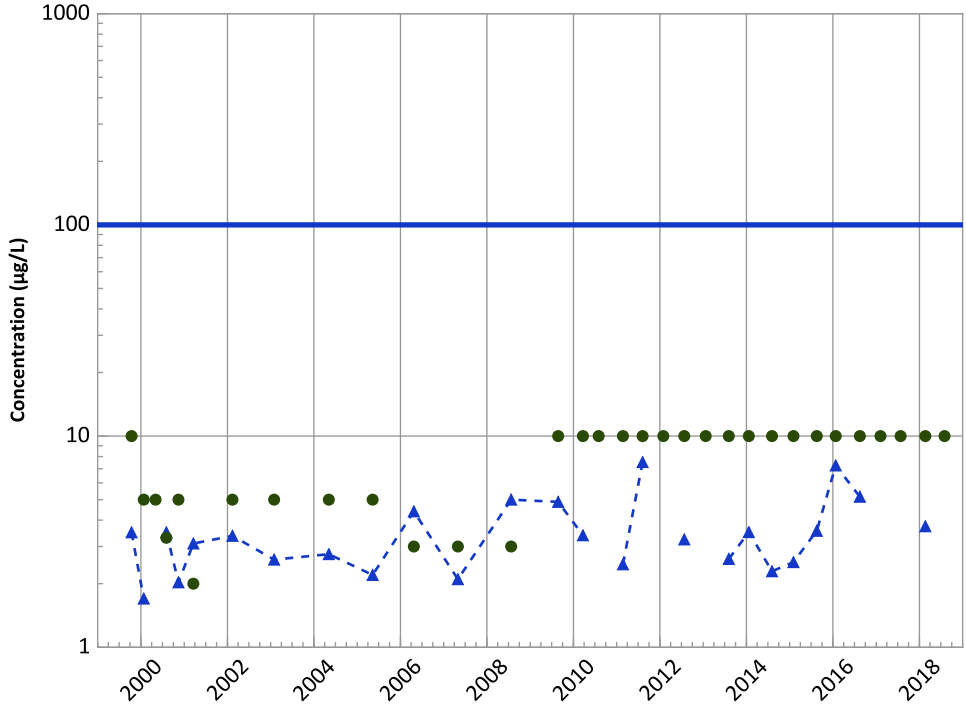
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend

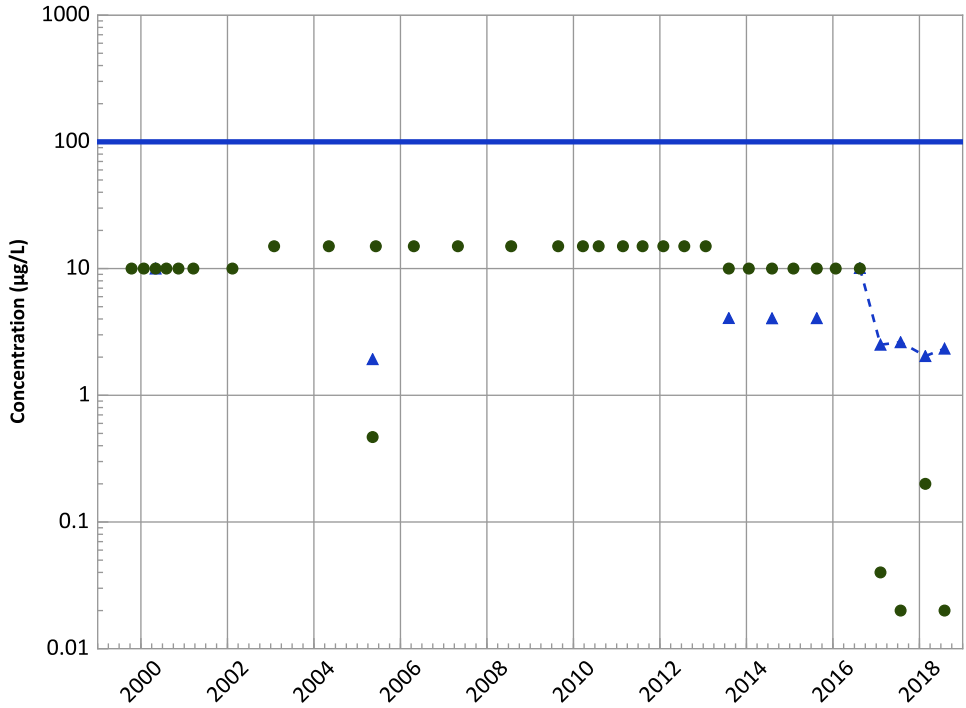


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Increasing
All Data:
Increasing

Chromium, Hexavalent Trend

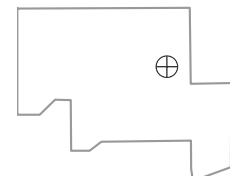


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Well Location

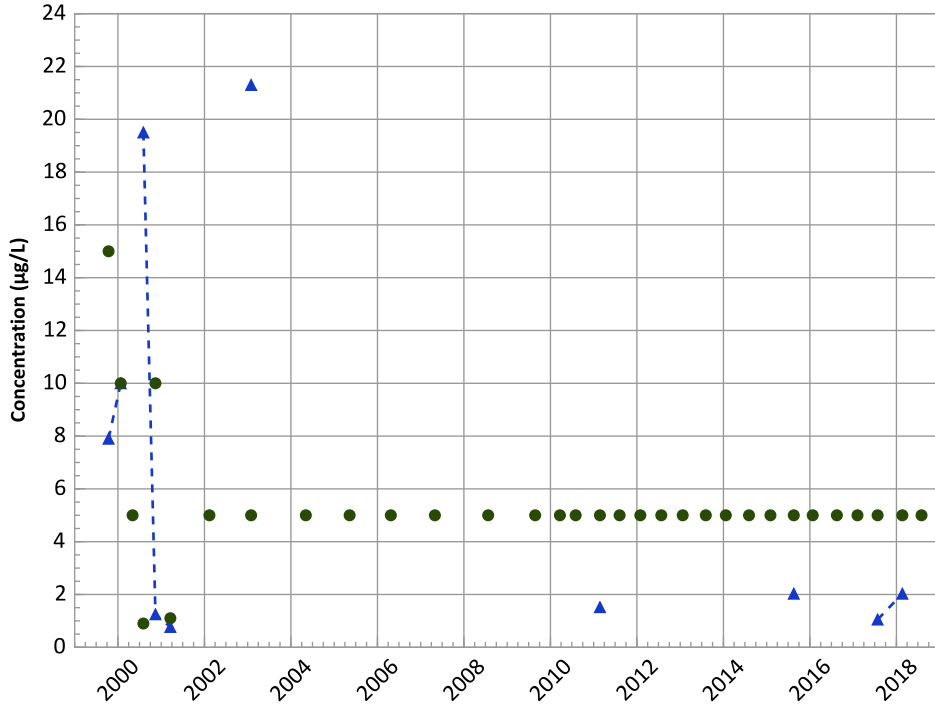


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend

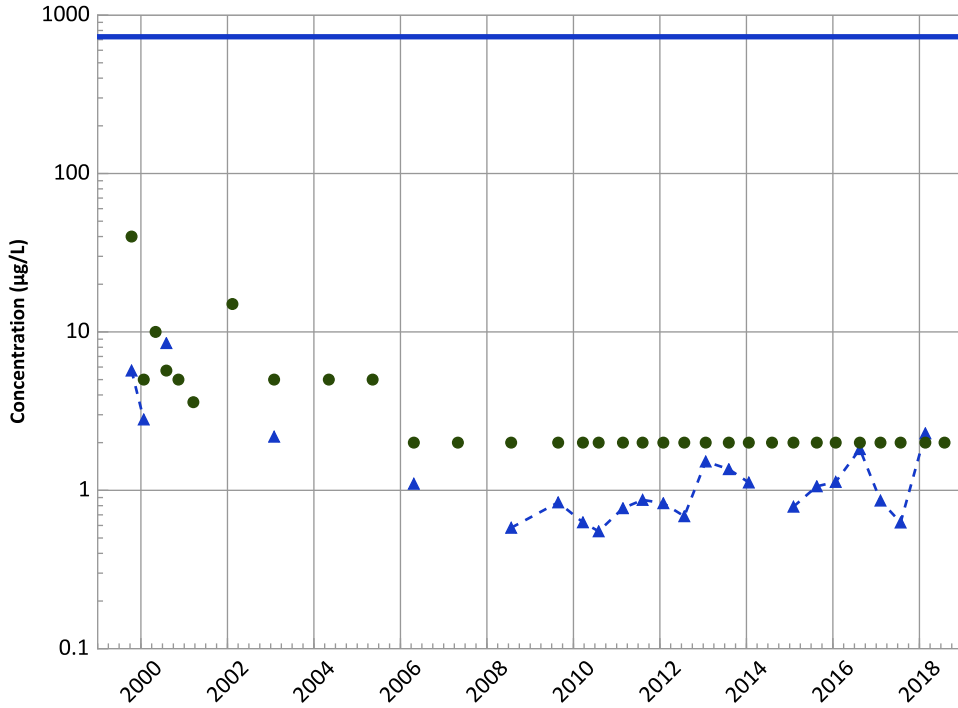


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Nickel Trend

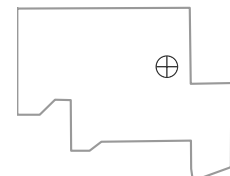


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

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

Well Location

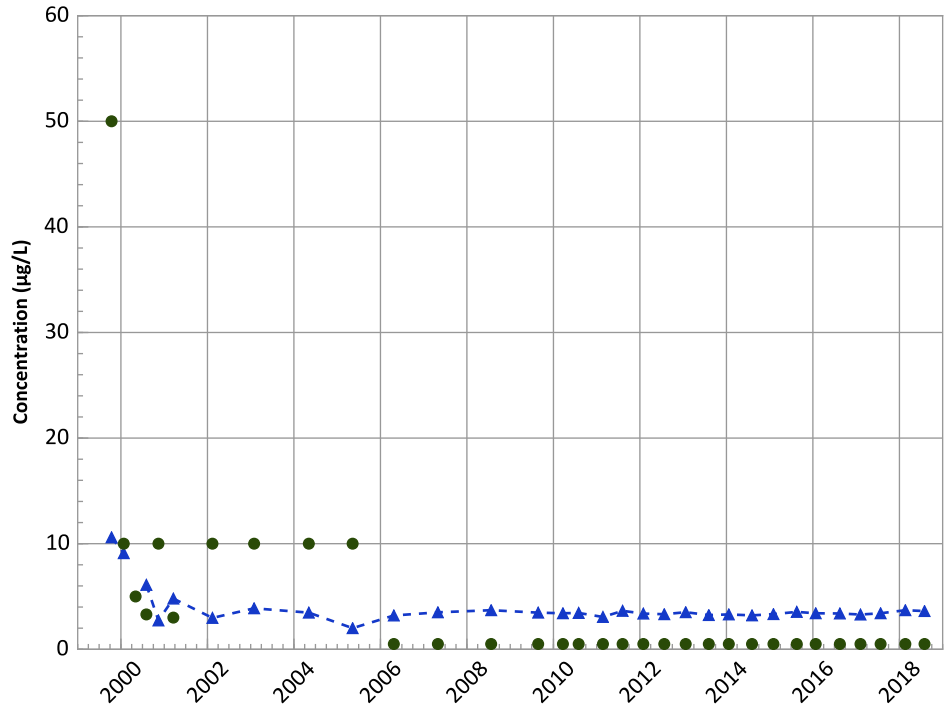


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1043 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

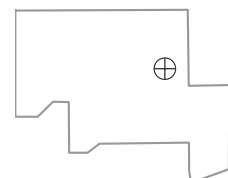
All Data:

Decreasing

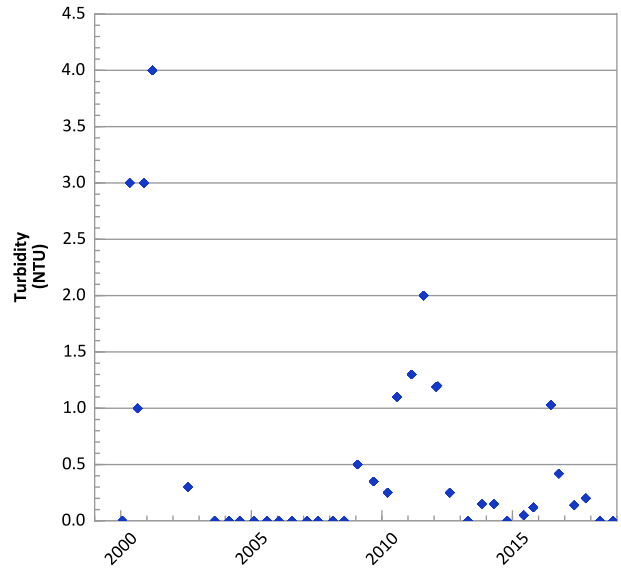
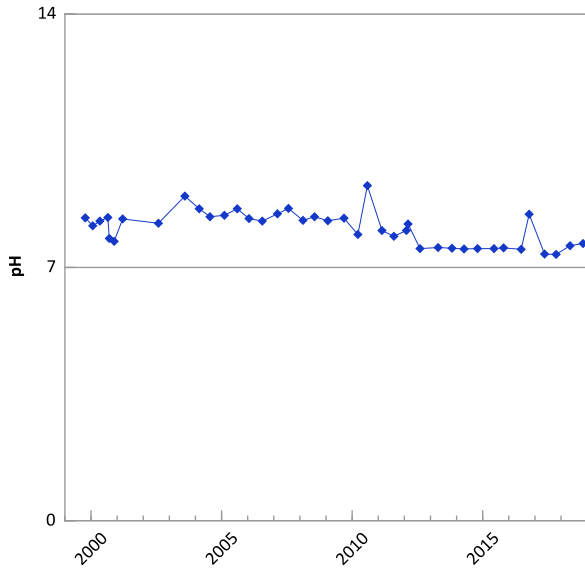
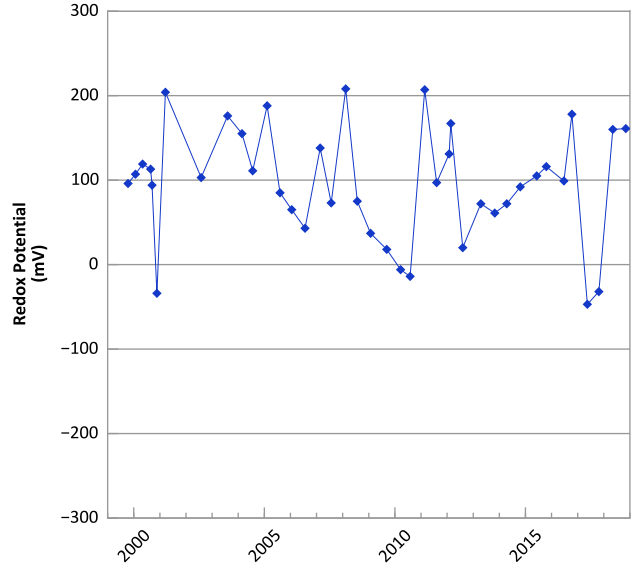
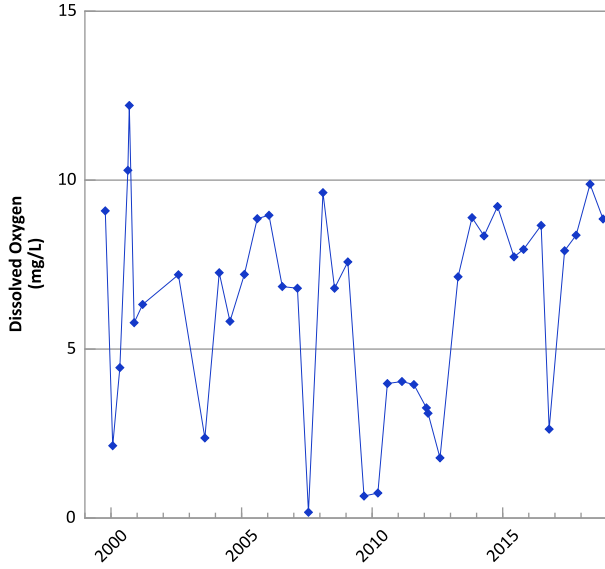
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/1999 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

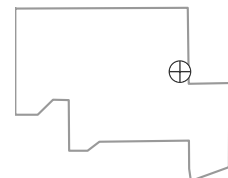


PTX06-1044 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



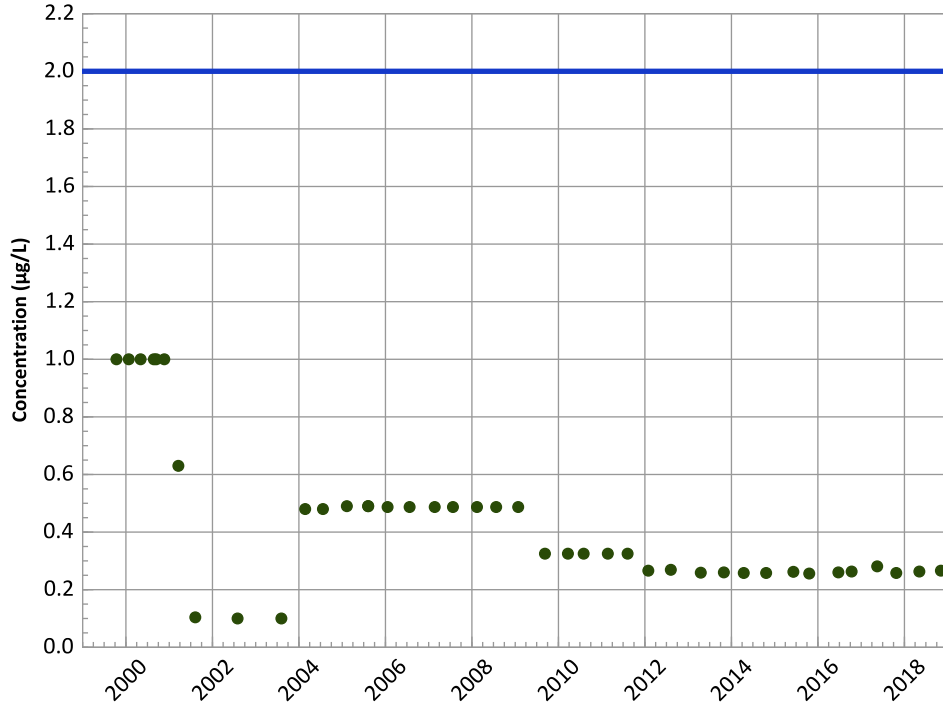
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/13/1999 to 11/05/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

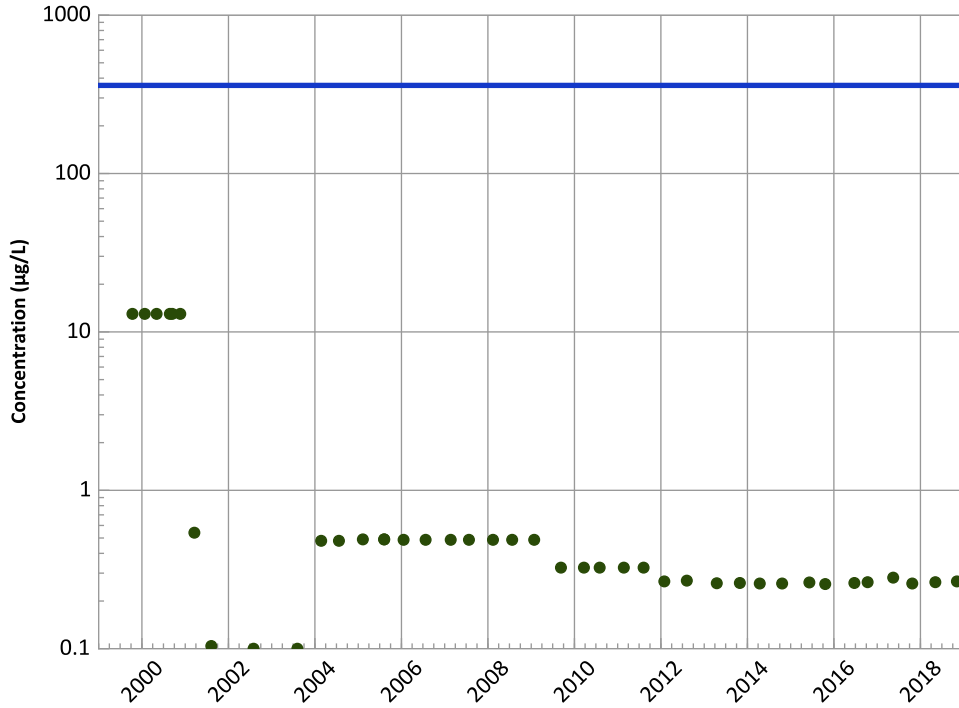
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

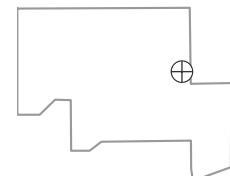
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

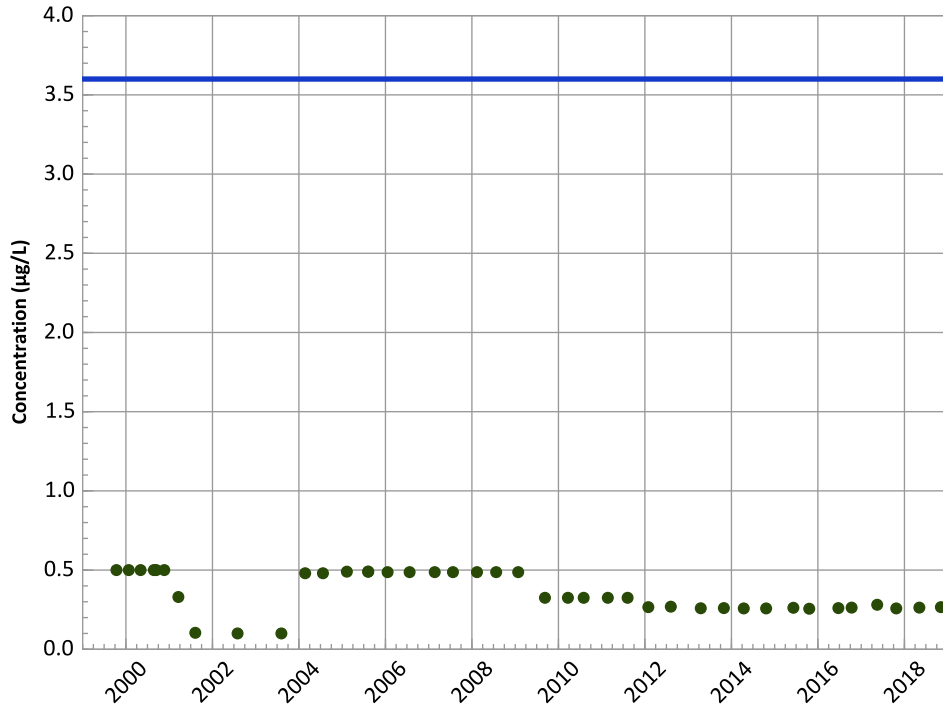
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

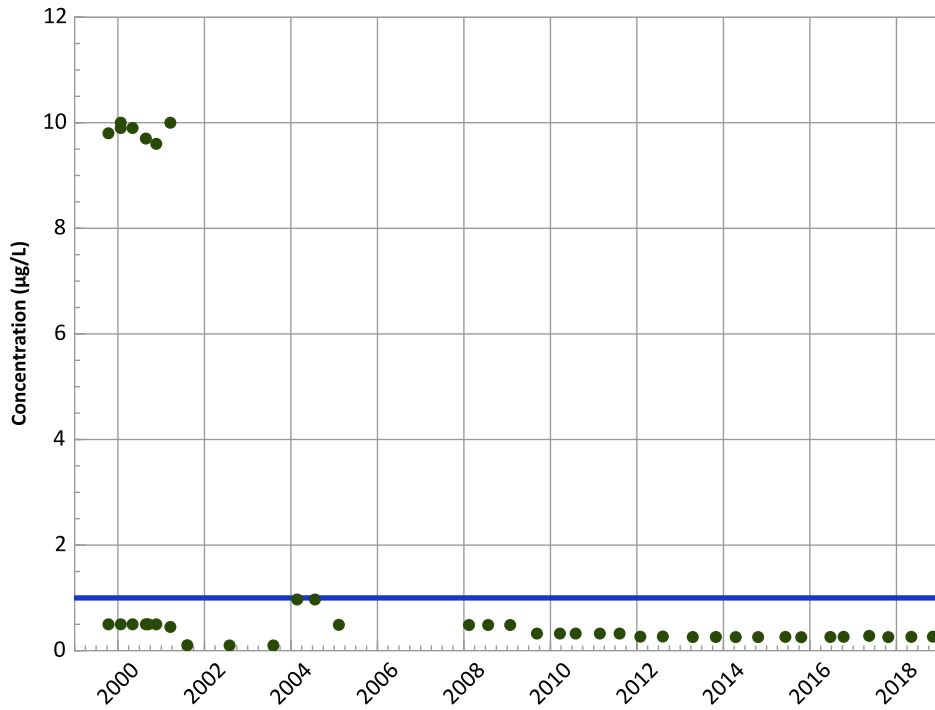
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

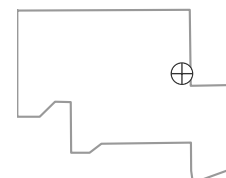
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

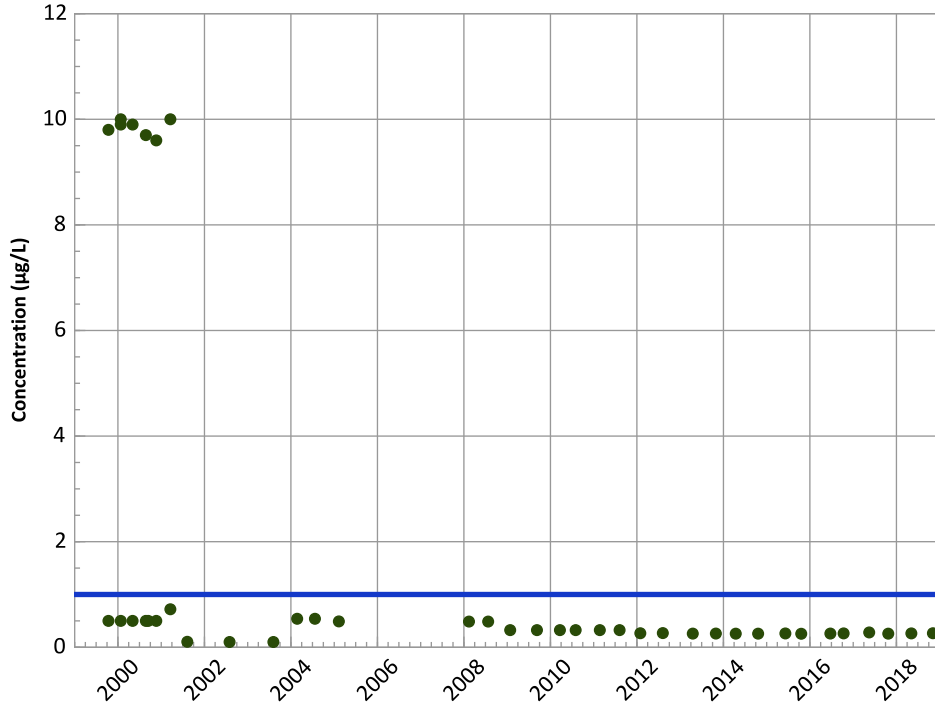
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

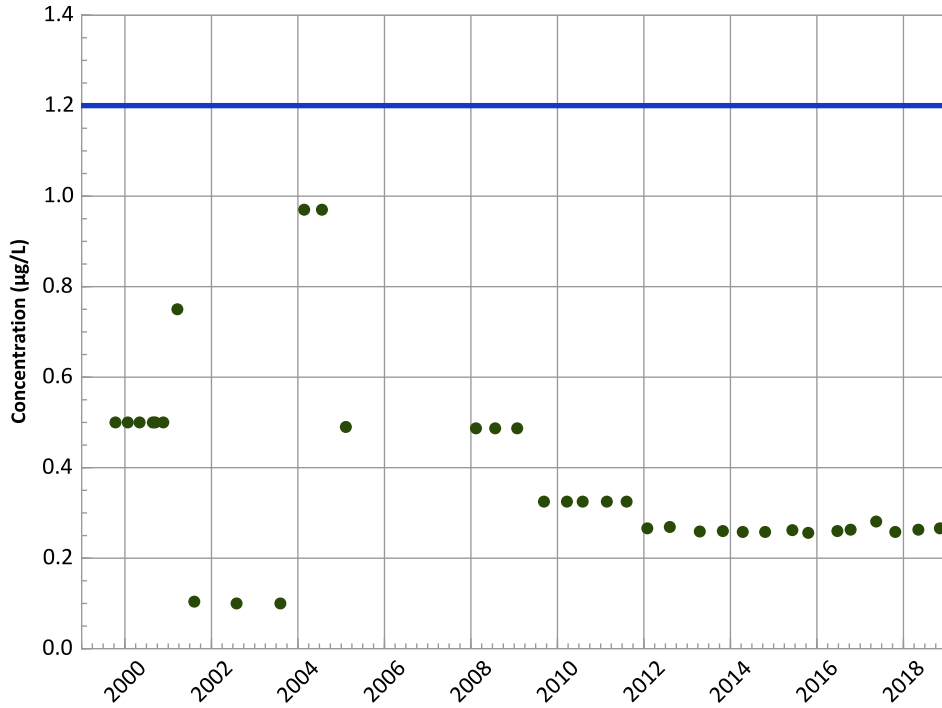
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

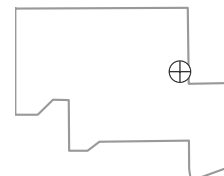
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

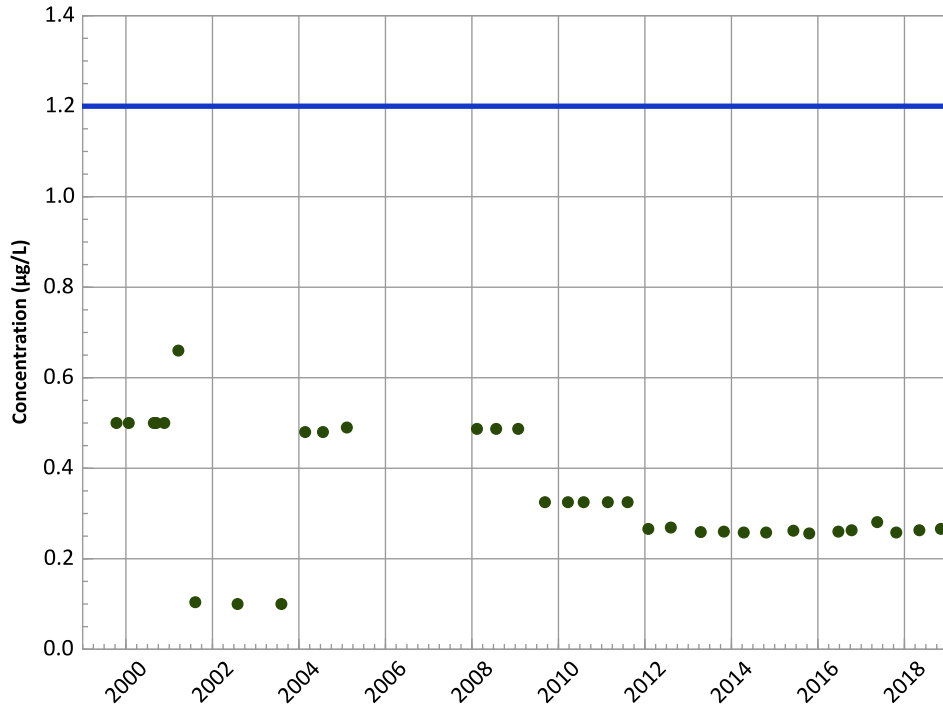
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

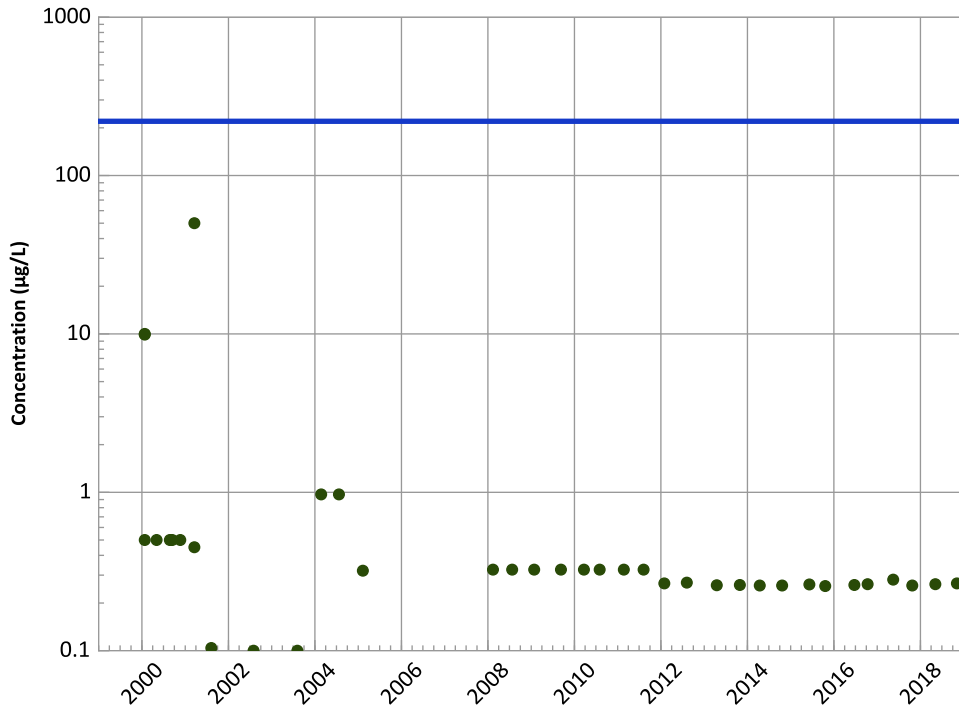
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

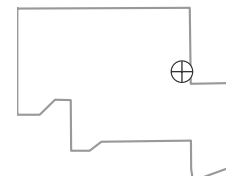
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

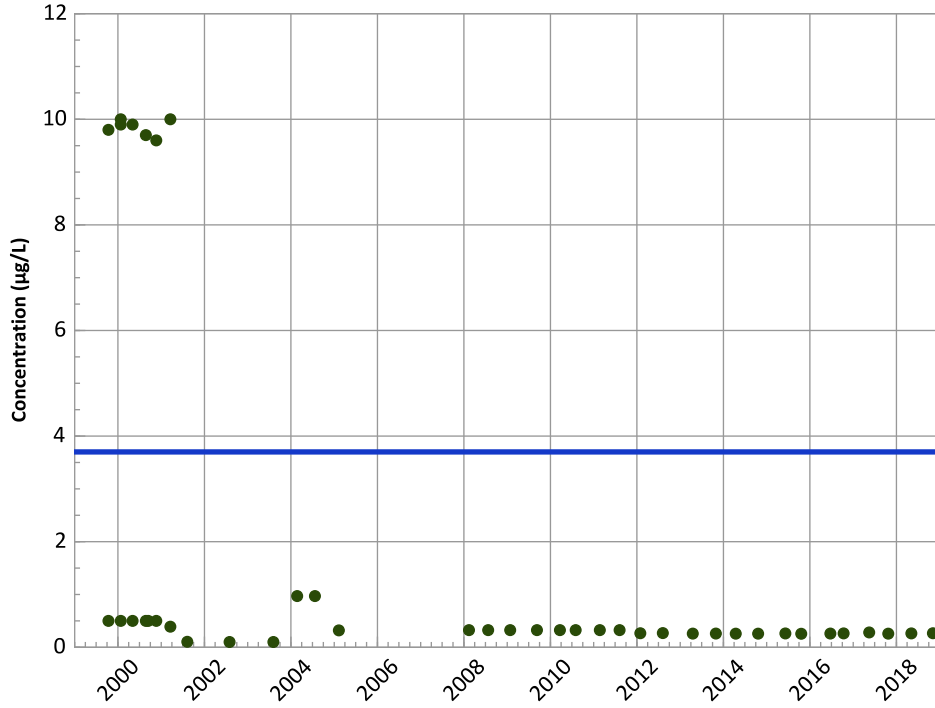
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

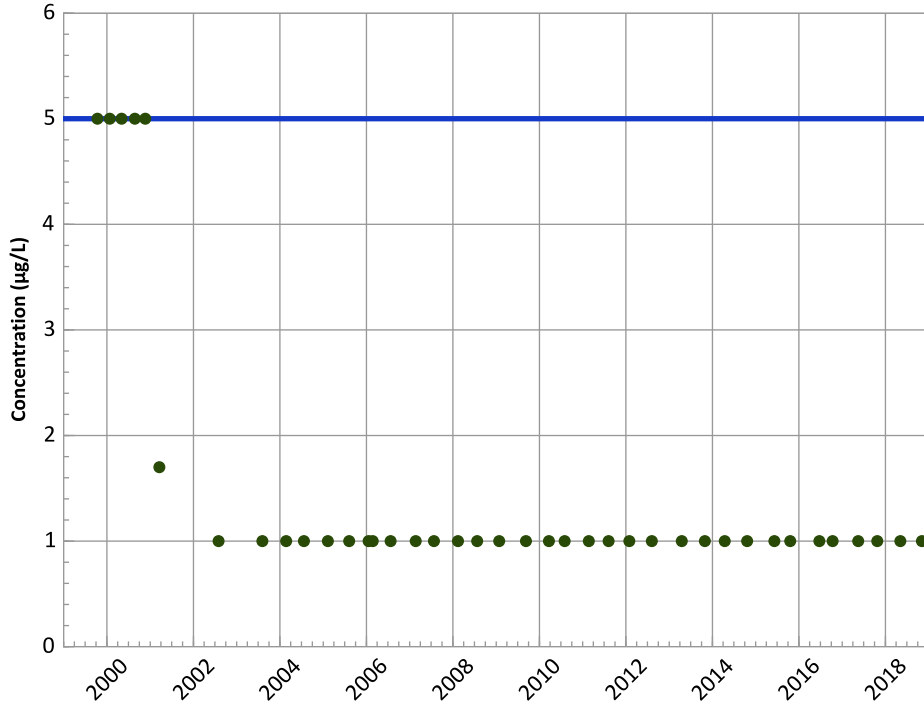
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

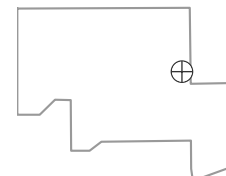
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

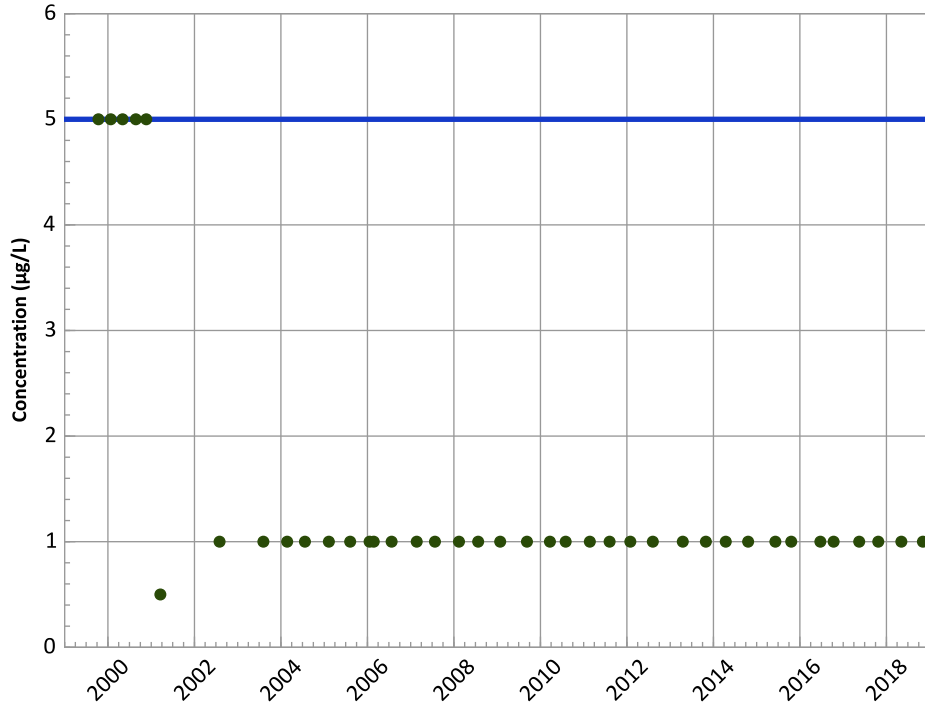
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

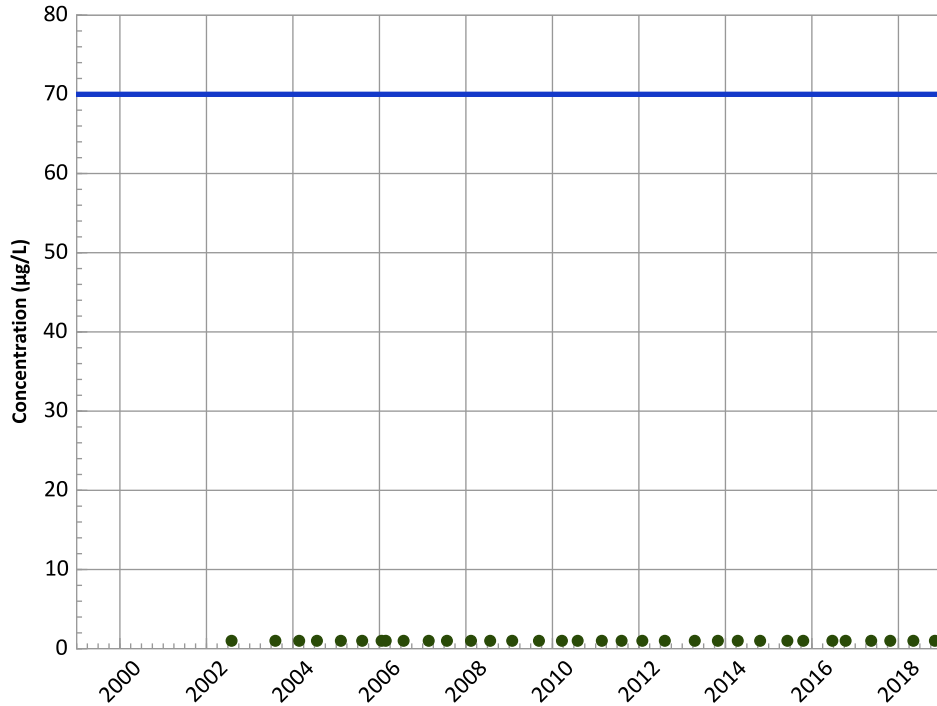
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

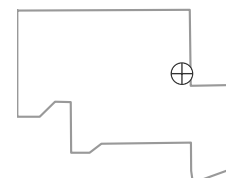
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

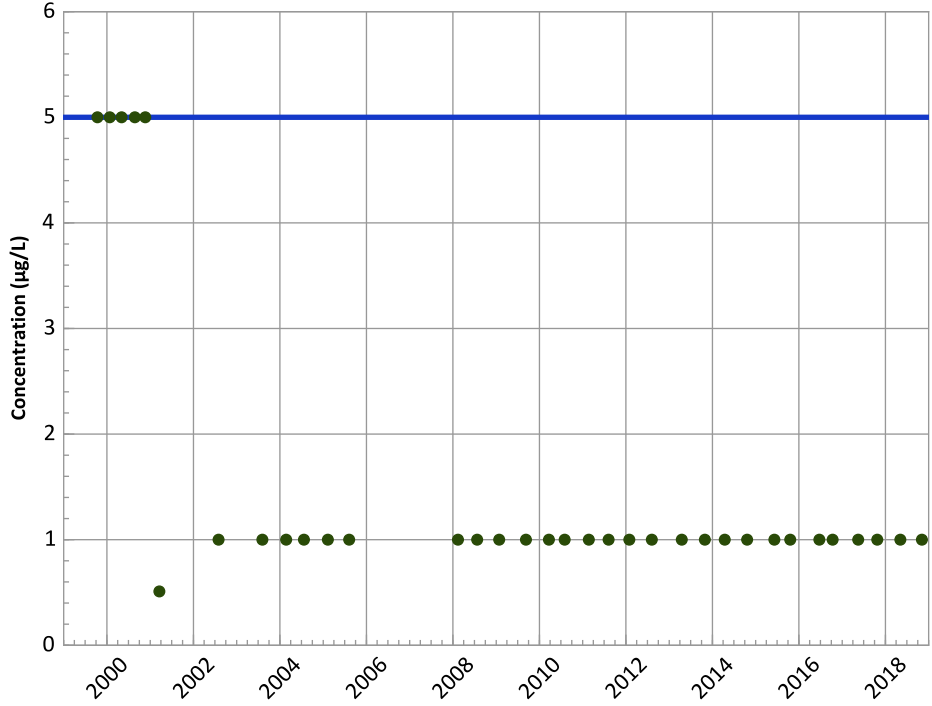
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

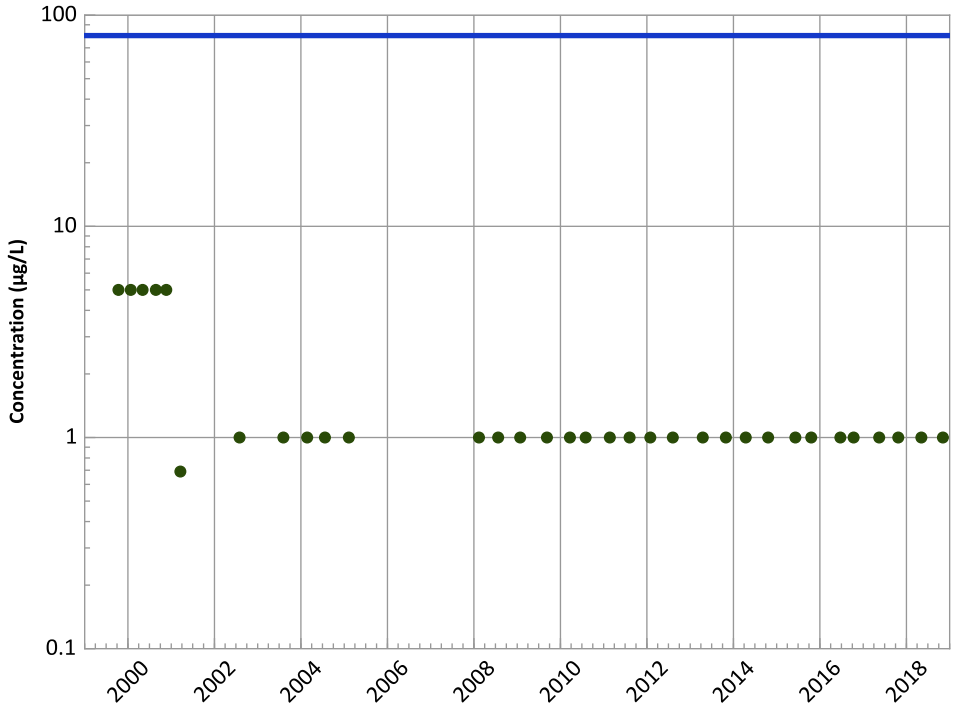
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

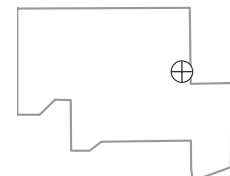
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

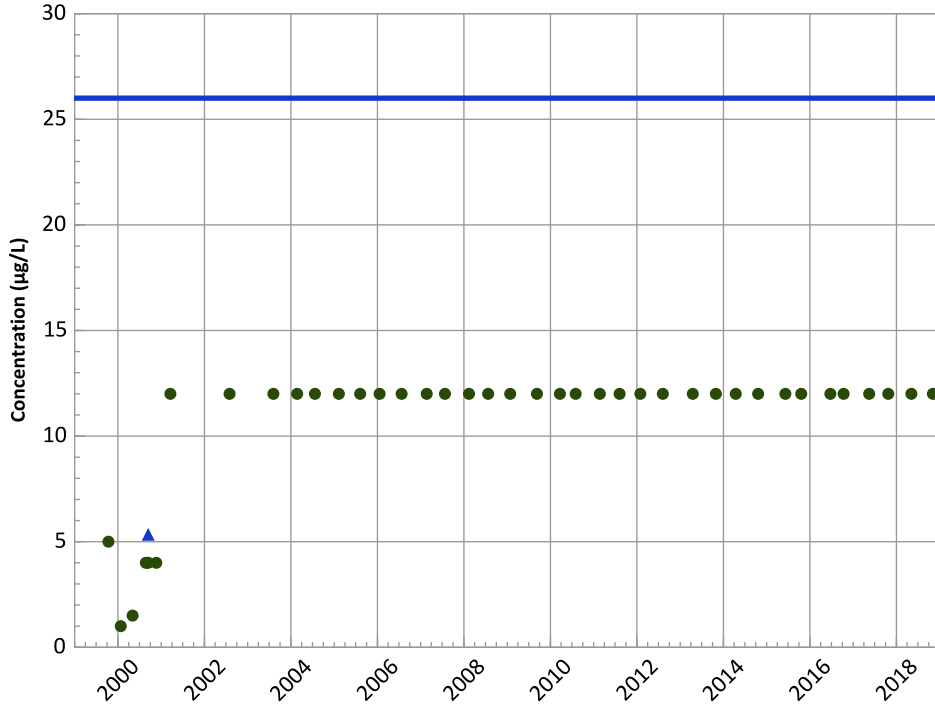
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

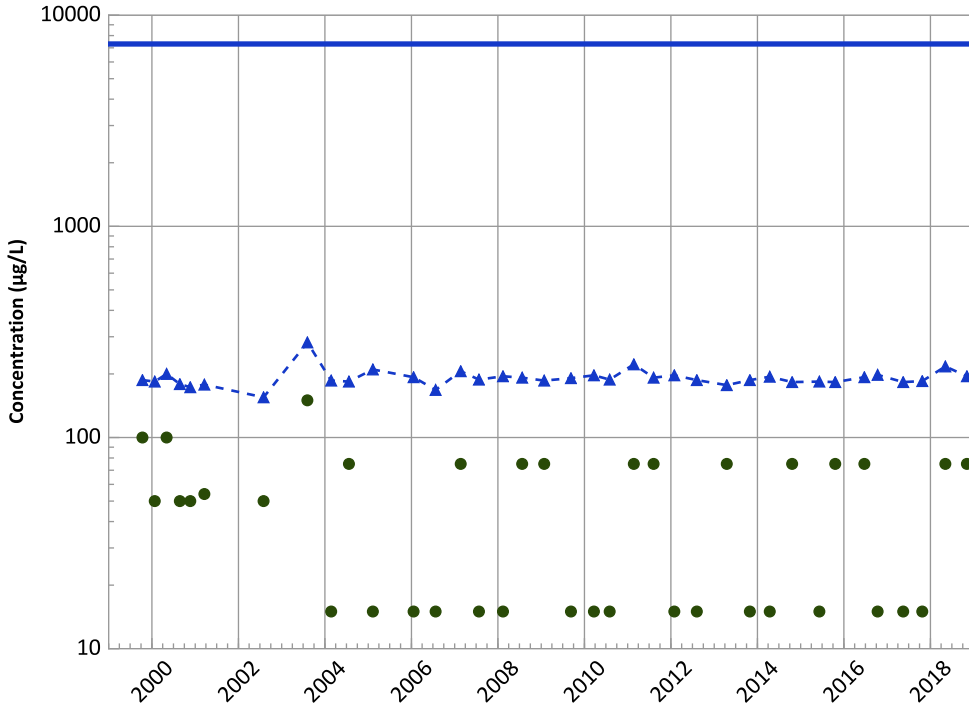
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

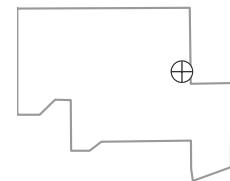
Data (2017 - 2021):

Increasing

All Data:

Increasing

Well Location

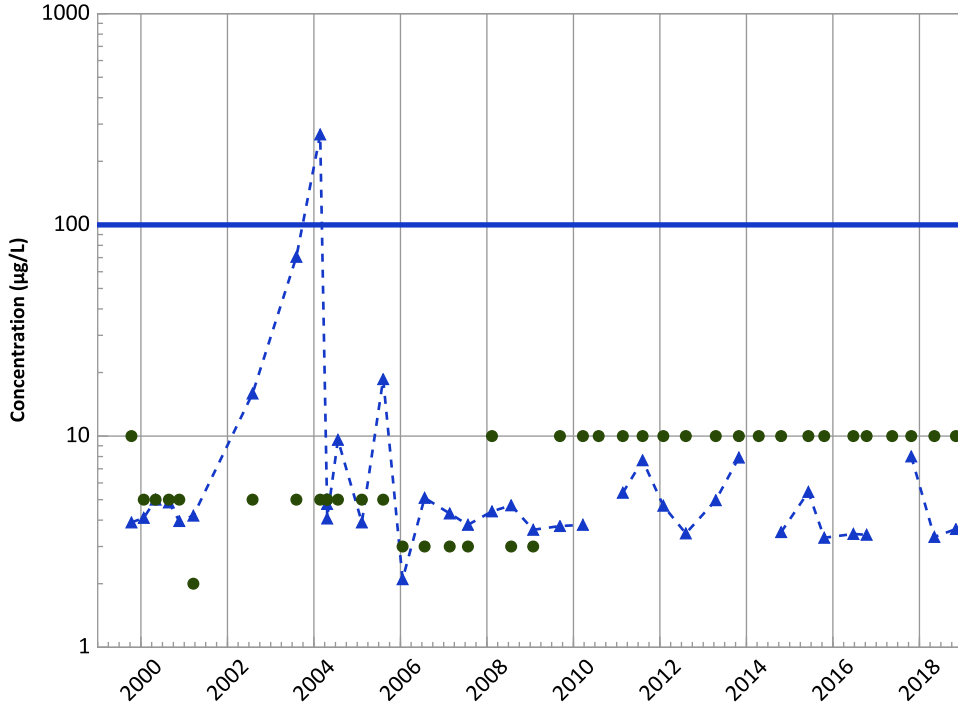


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

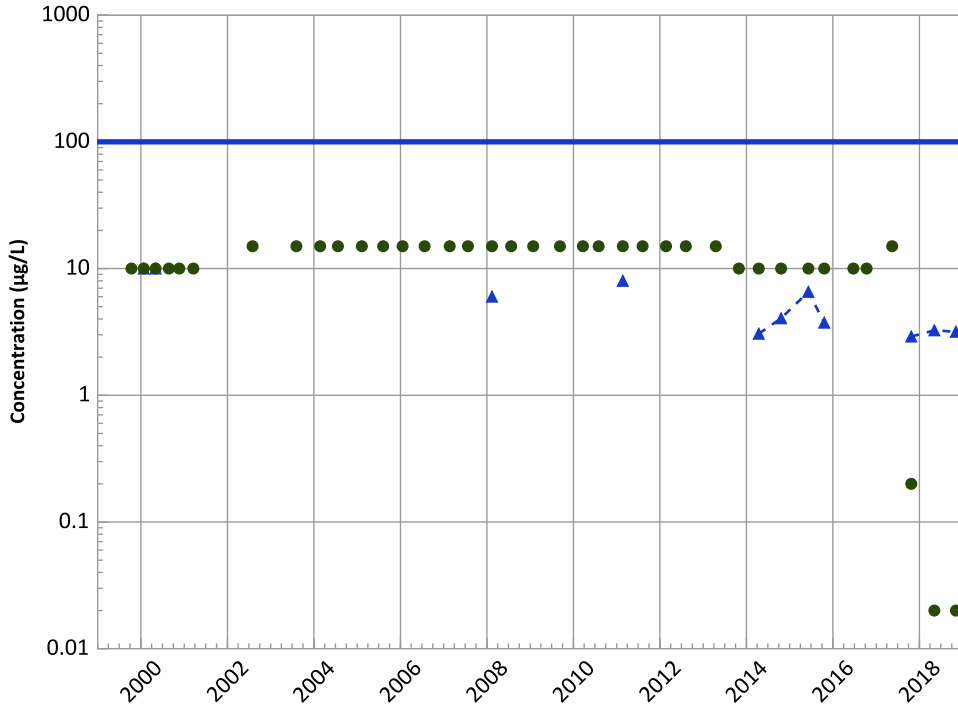
Data (2017 - 2021):

Stable

All Data:

Probably Decreasing

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

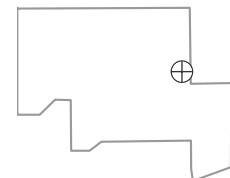
All Data:

Decreasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

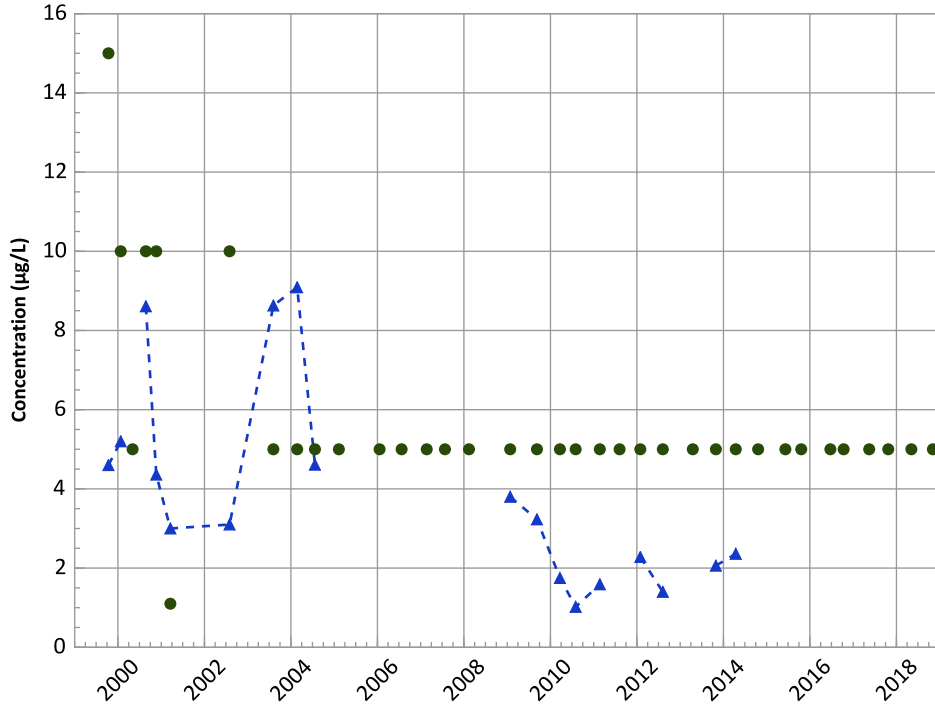
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

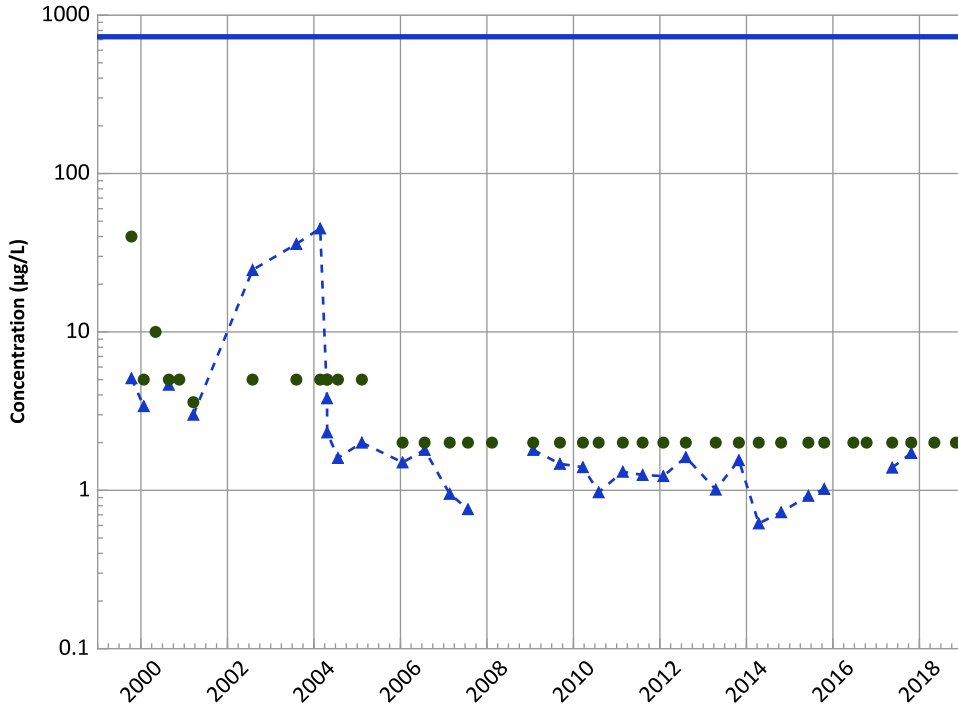
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

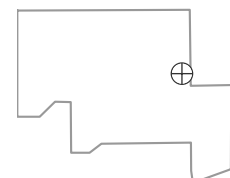
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

Well Location

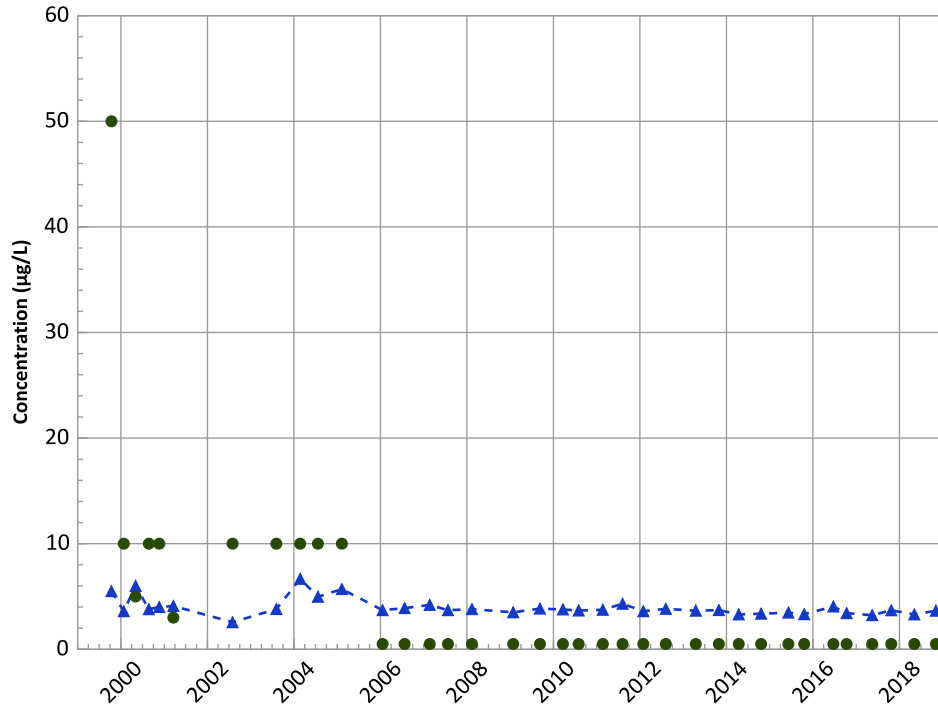


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1044 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

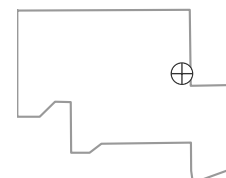
All Data:

Decreasing

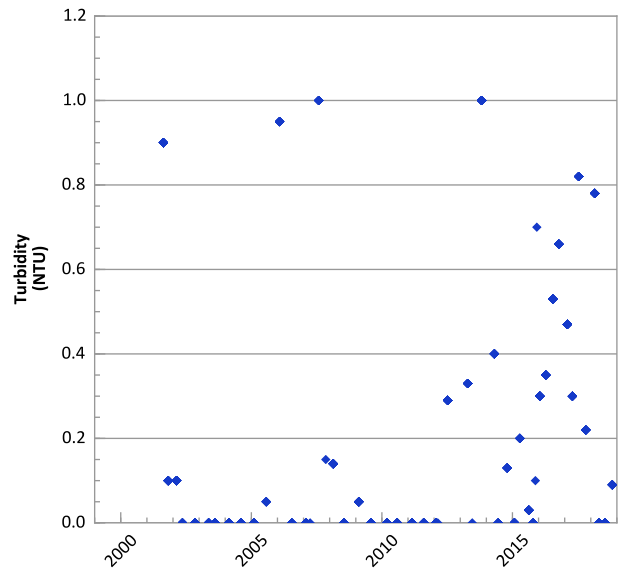
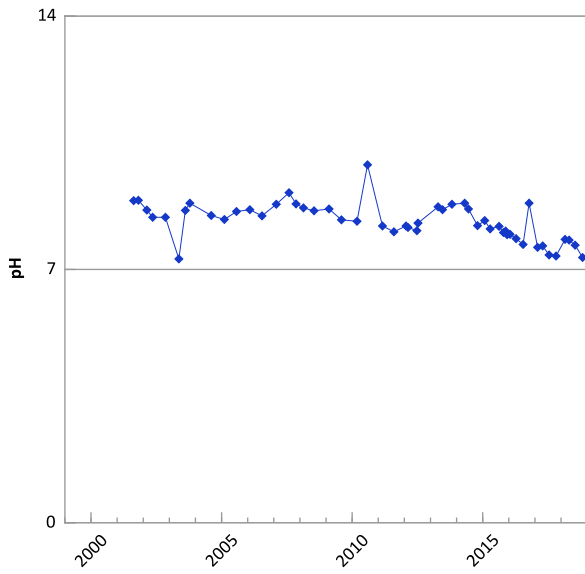
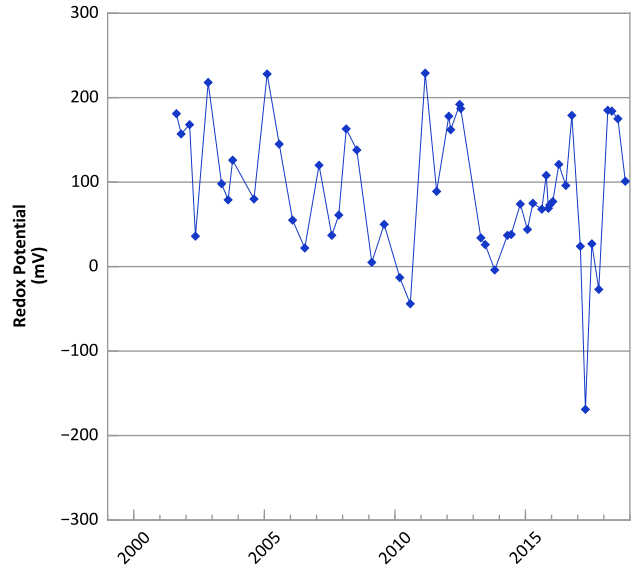
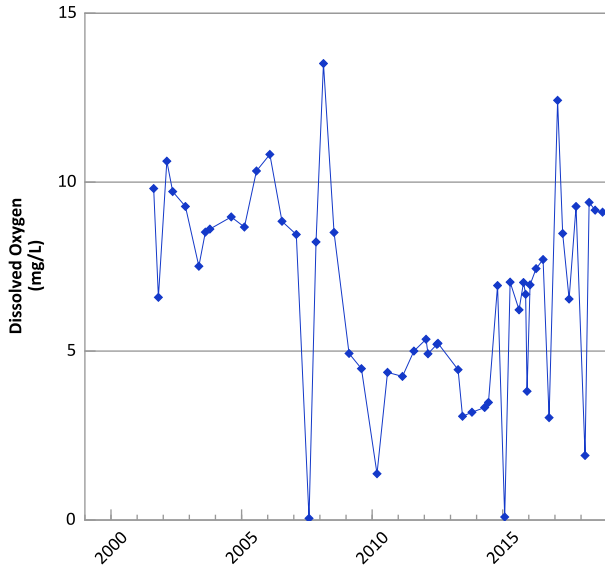
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/13/1999 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

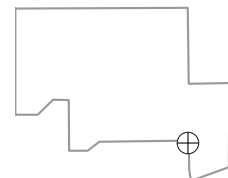


PTX06-1056 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



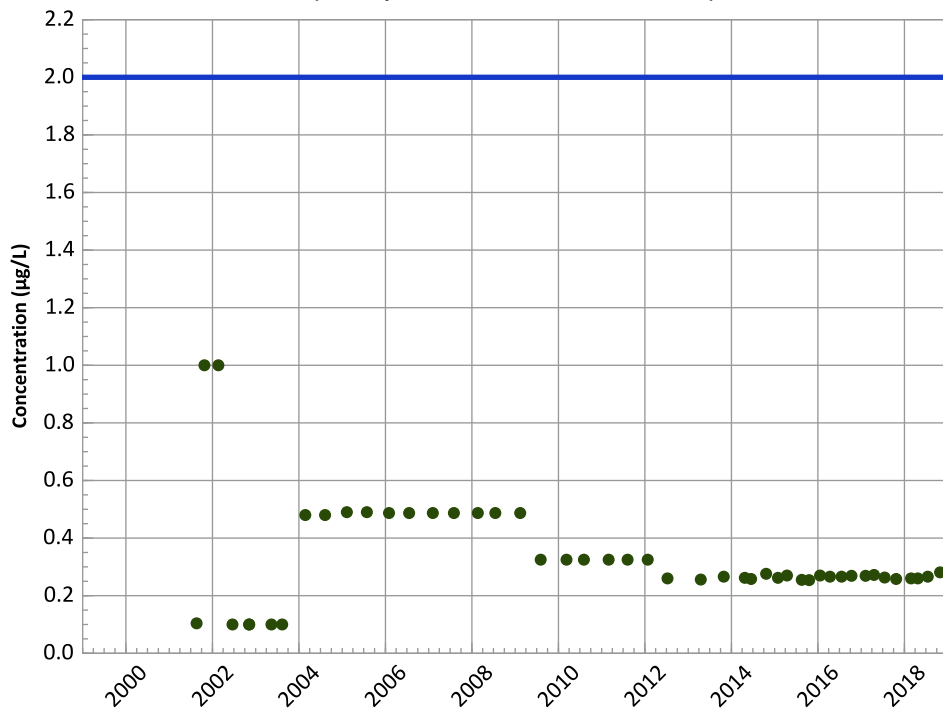
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/09/2000 to 10/29/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

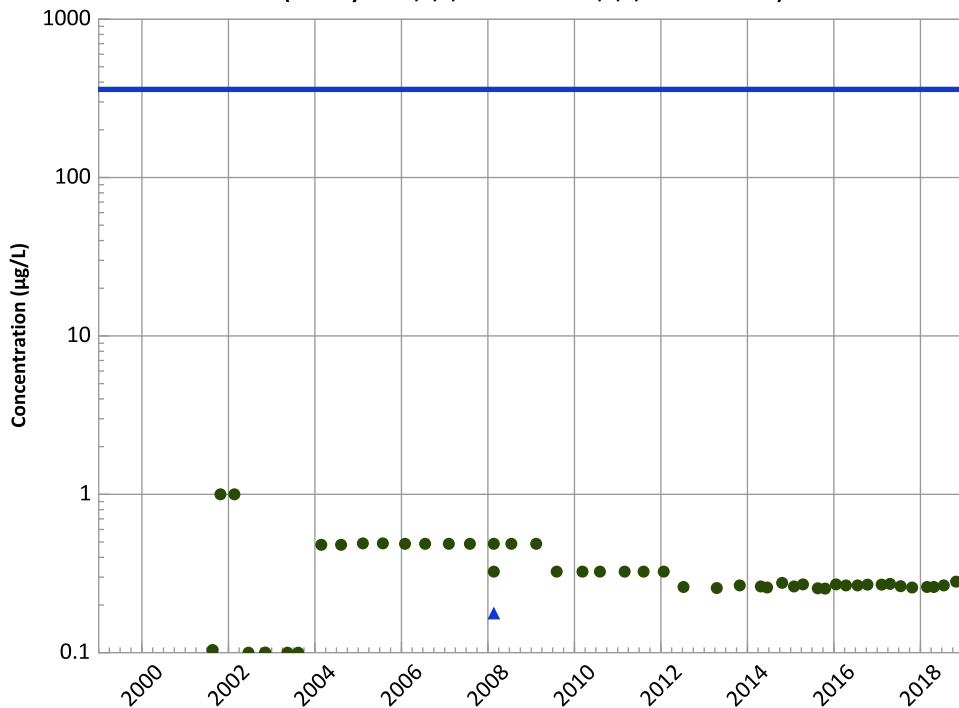


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

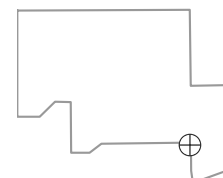


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Well Location

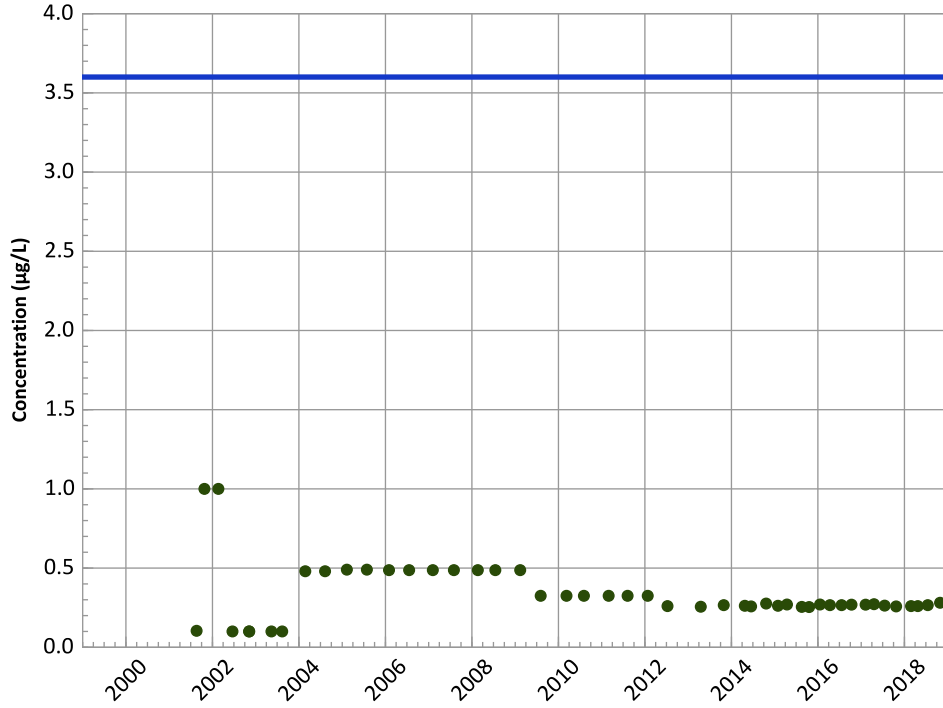


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

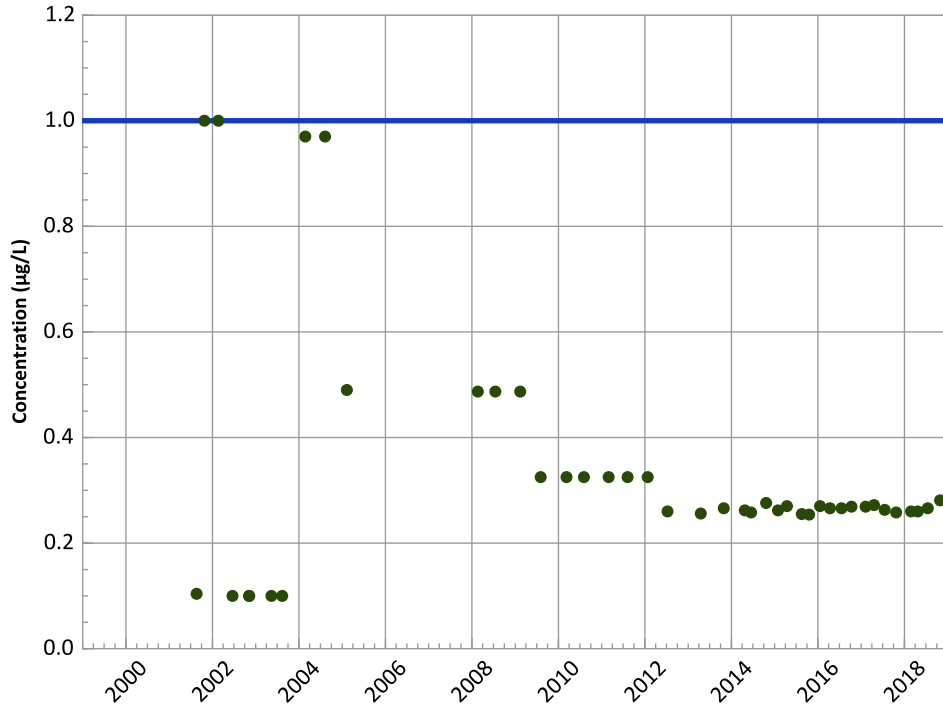
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

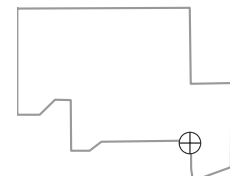
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

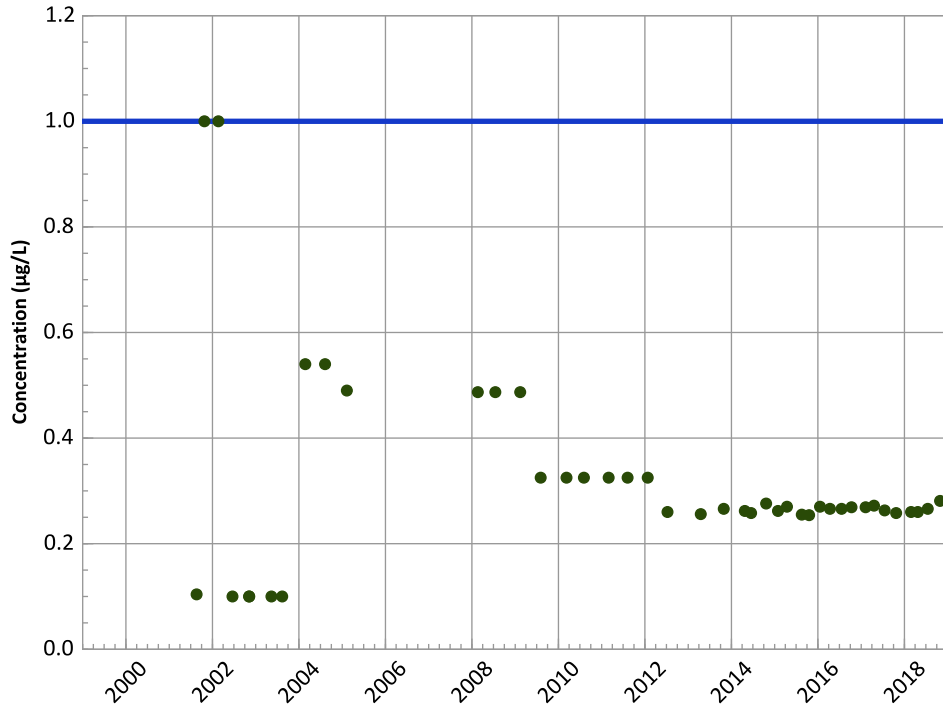


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

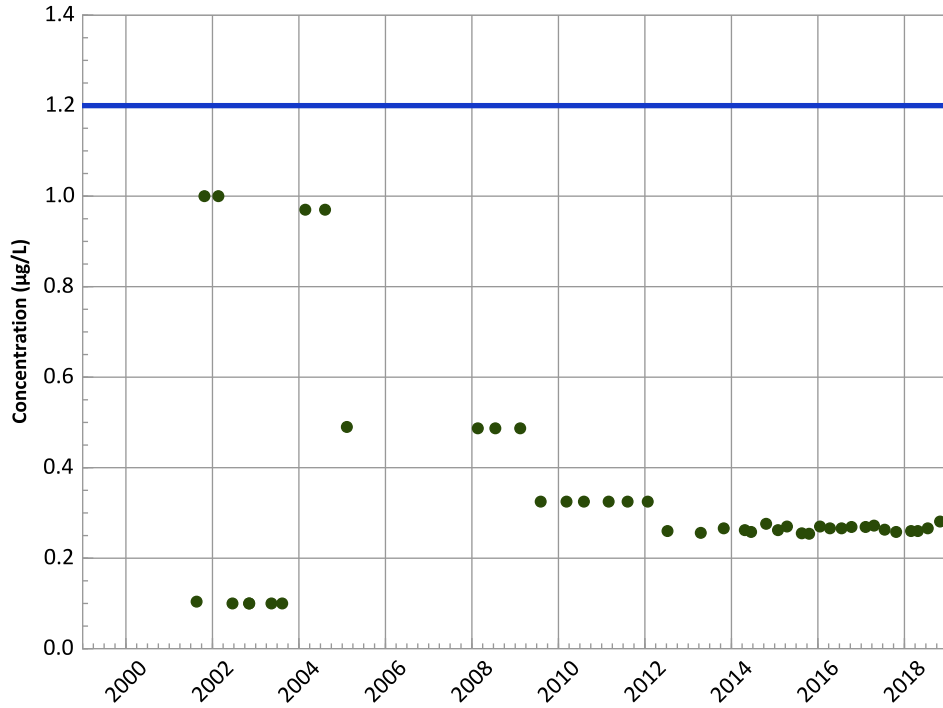
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

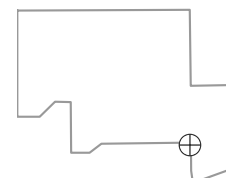
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

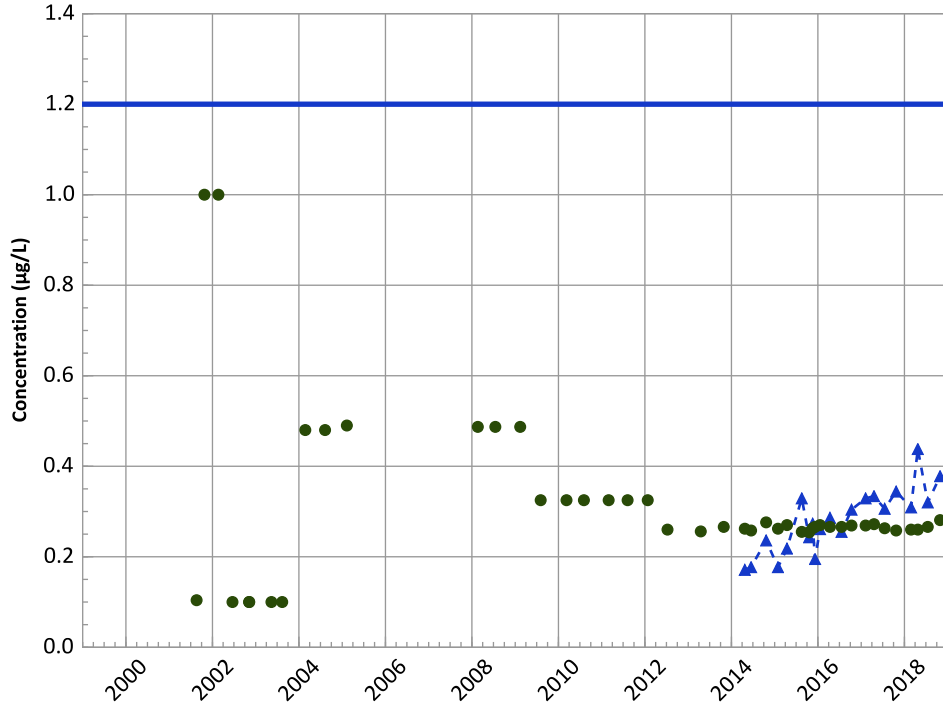


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Increasing

MAROS Linear Regression Method

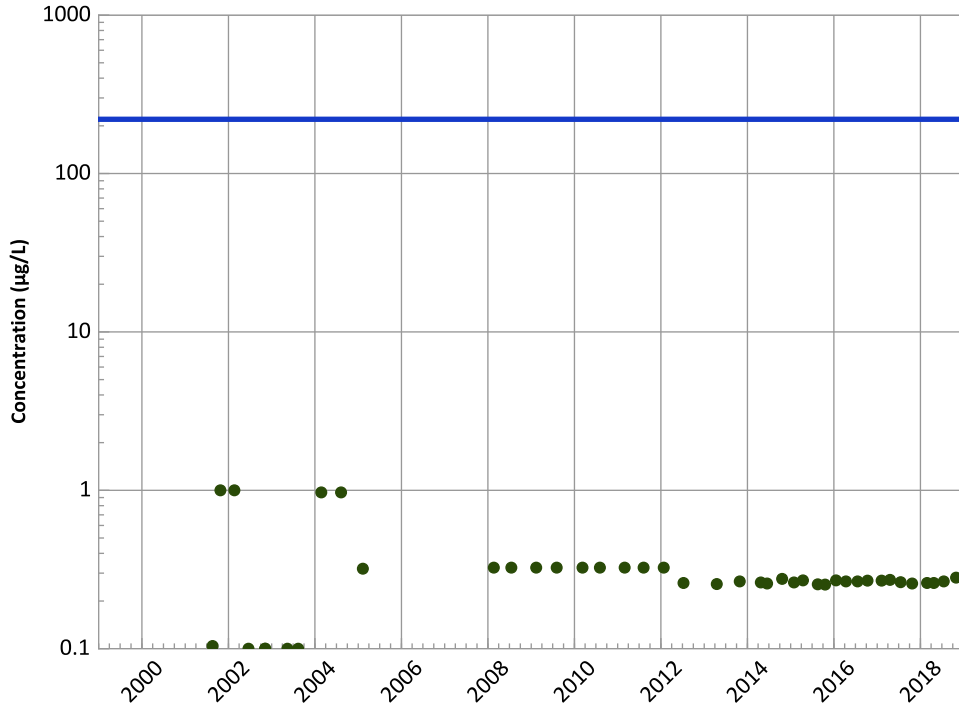
Data (2017 - 2021):

Increasing

All Data:

Increasing

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

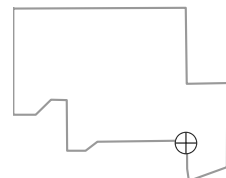
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

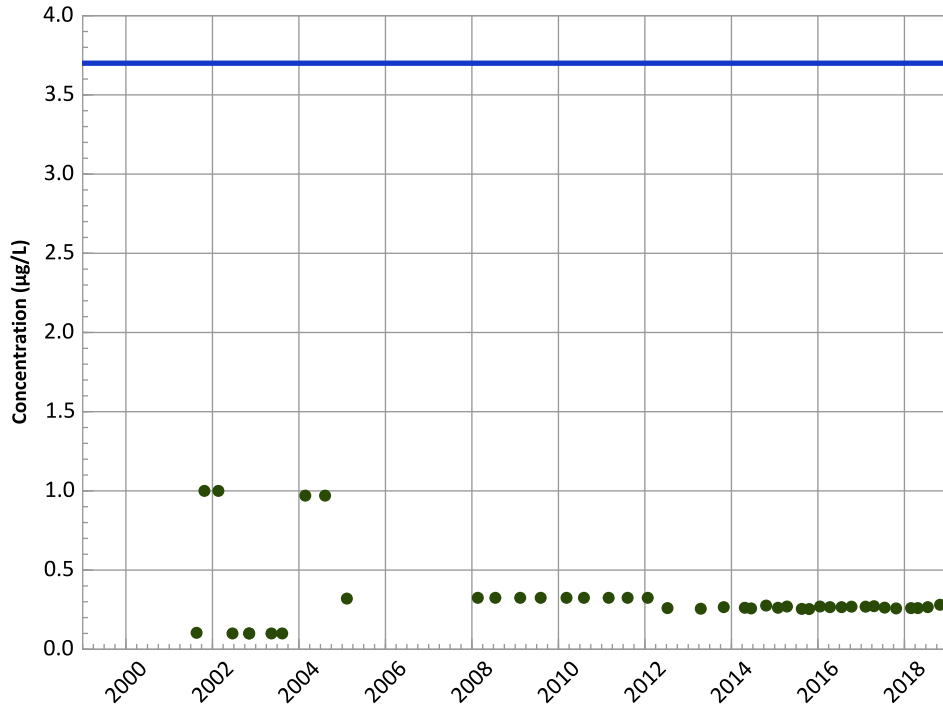
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

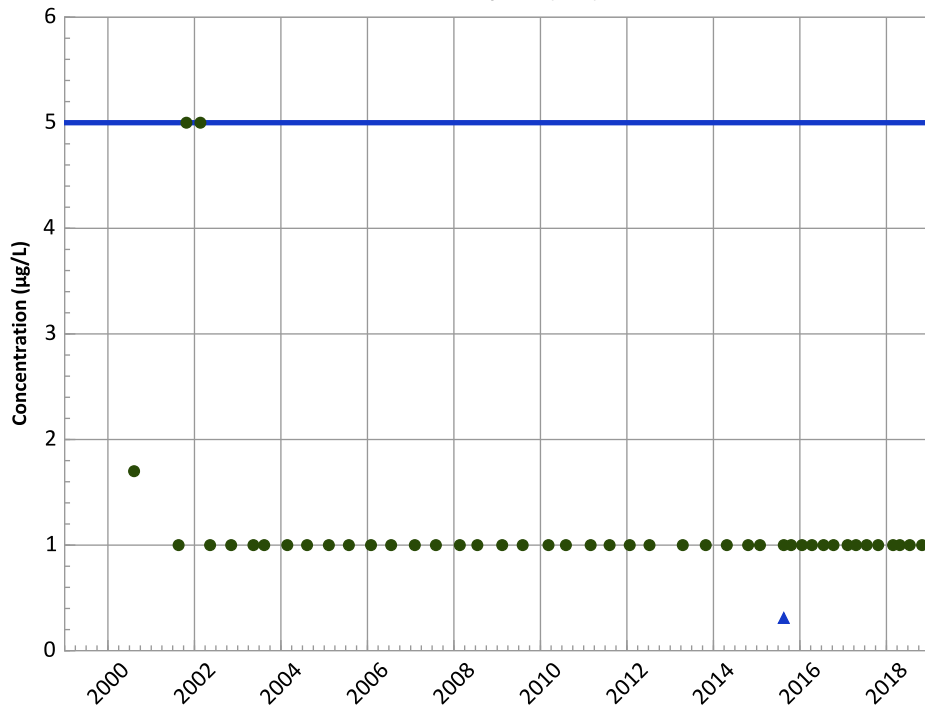
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

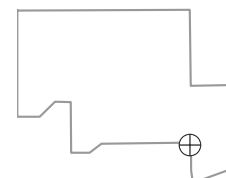
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

Well Location

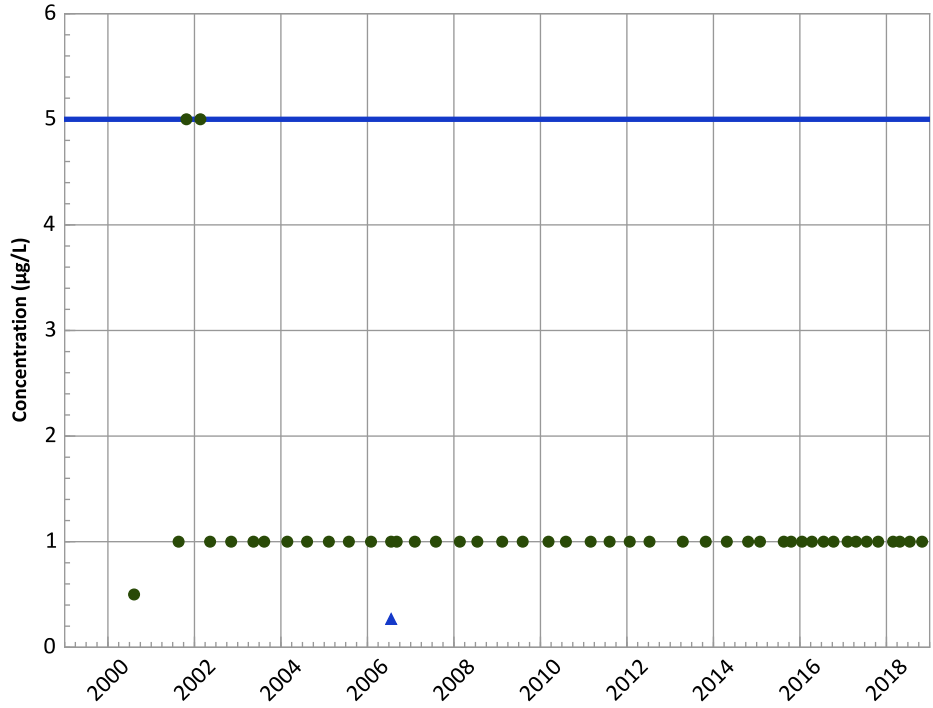


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend

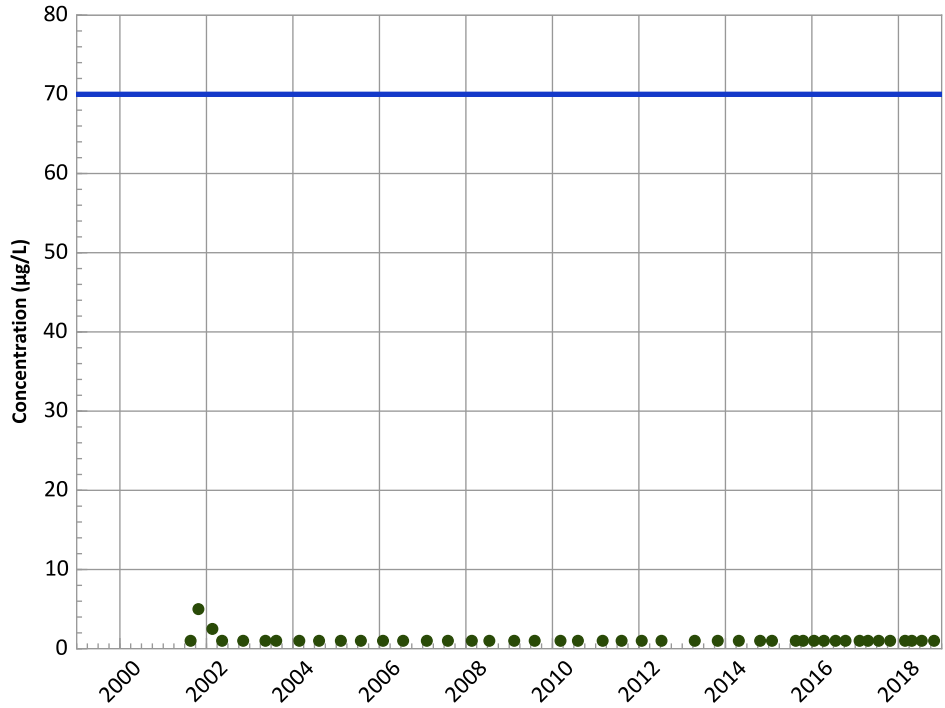


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

cis-1,2-Dichloroethene Trend

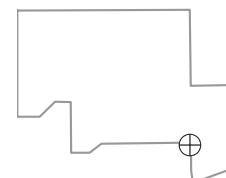


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

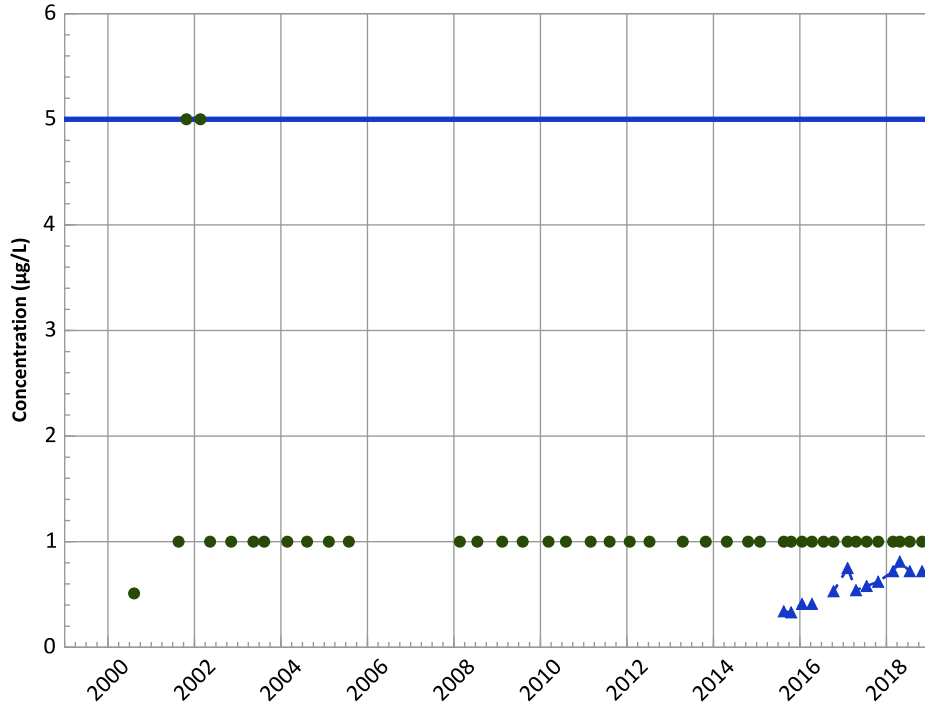
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

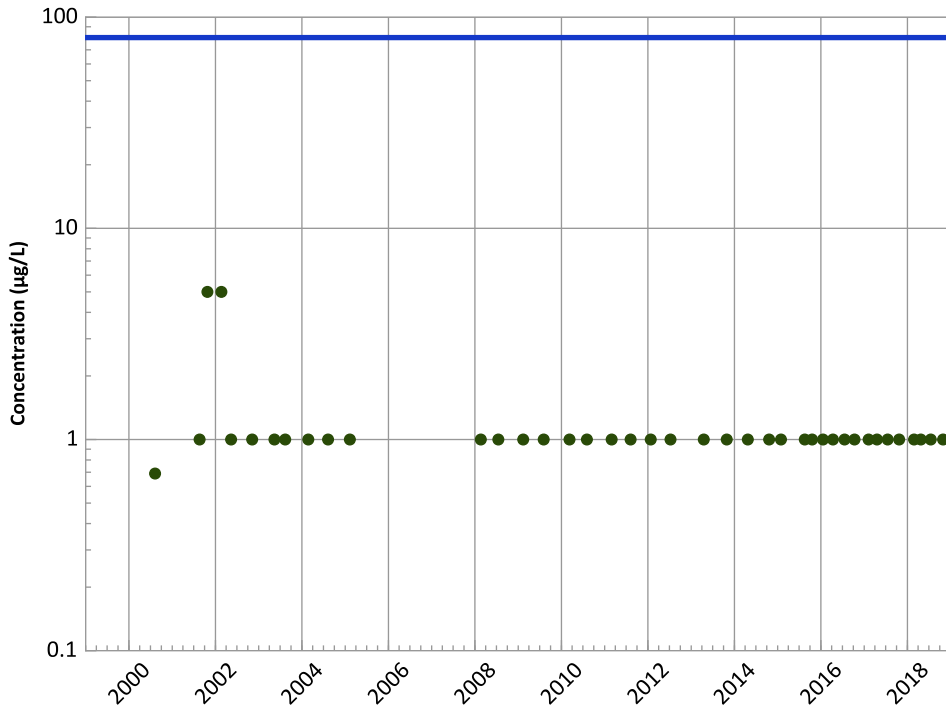


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Increasing

MAROS Linear Regression Method
Data (2017 - 2021):
Increasing
All Data:
Increasing

Chloroform Trend

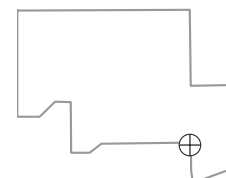


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

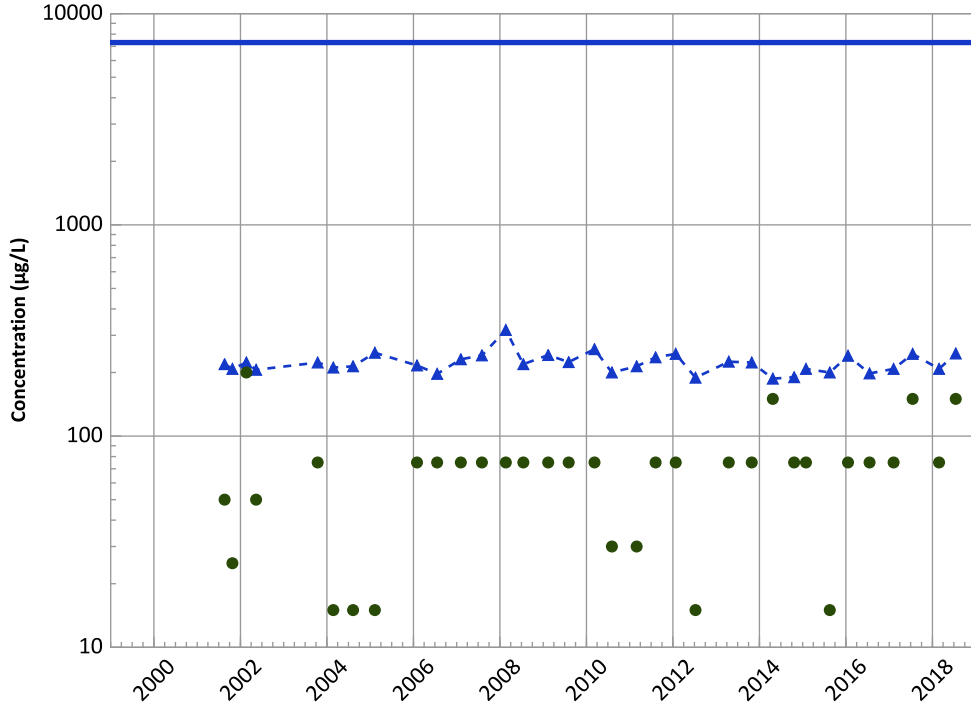


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

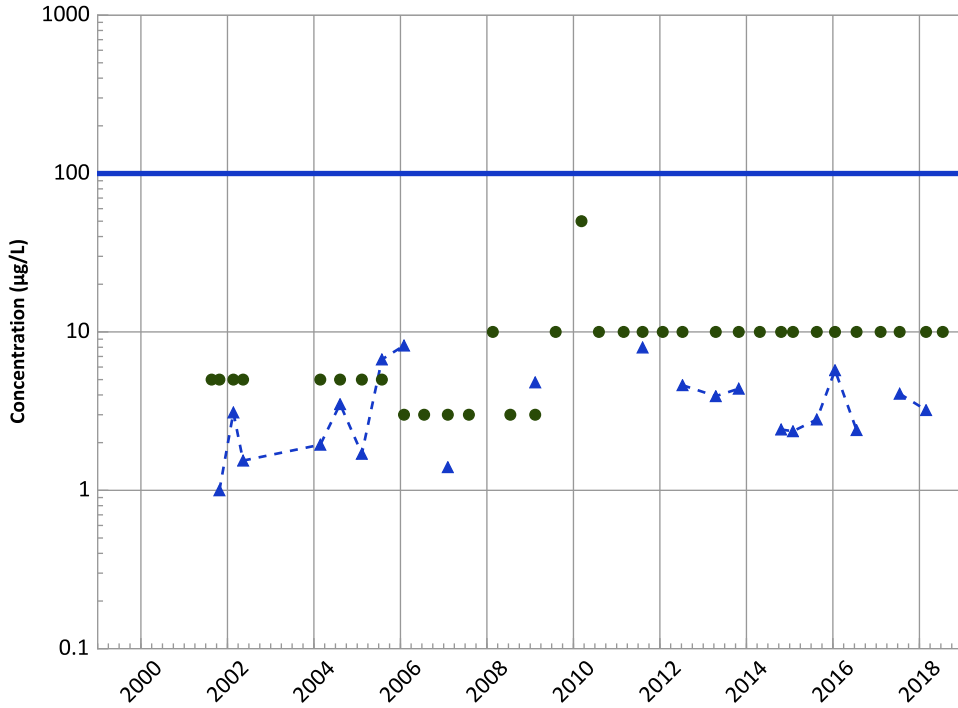
Data (2017 - 2021):

Stable

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

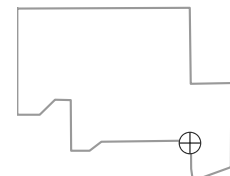
All Data:

Probably Increasing

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

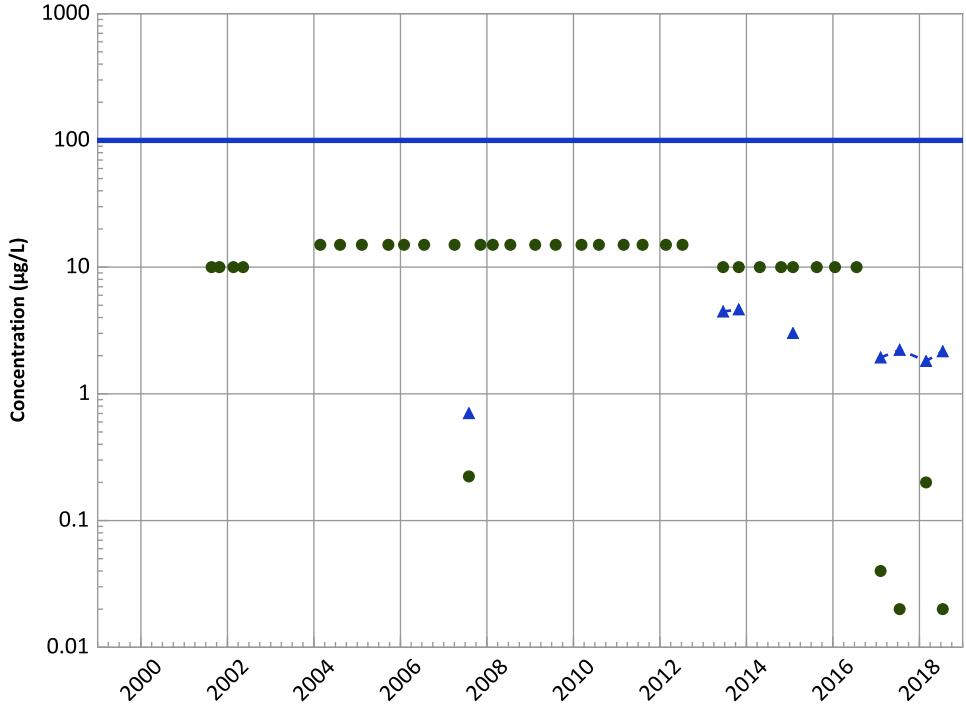
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

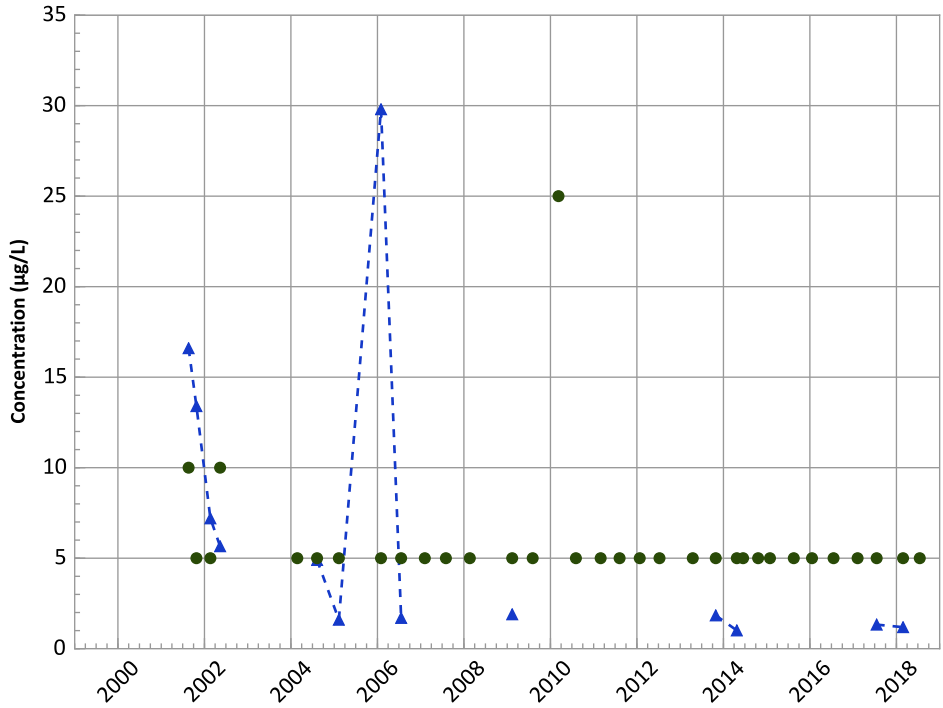


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Manganese Trend

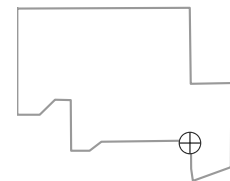


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Well Location

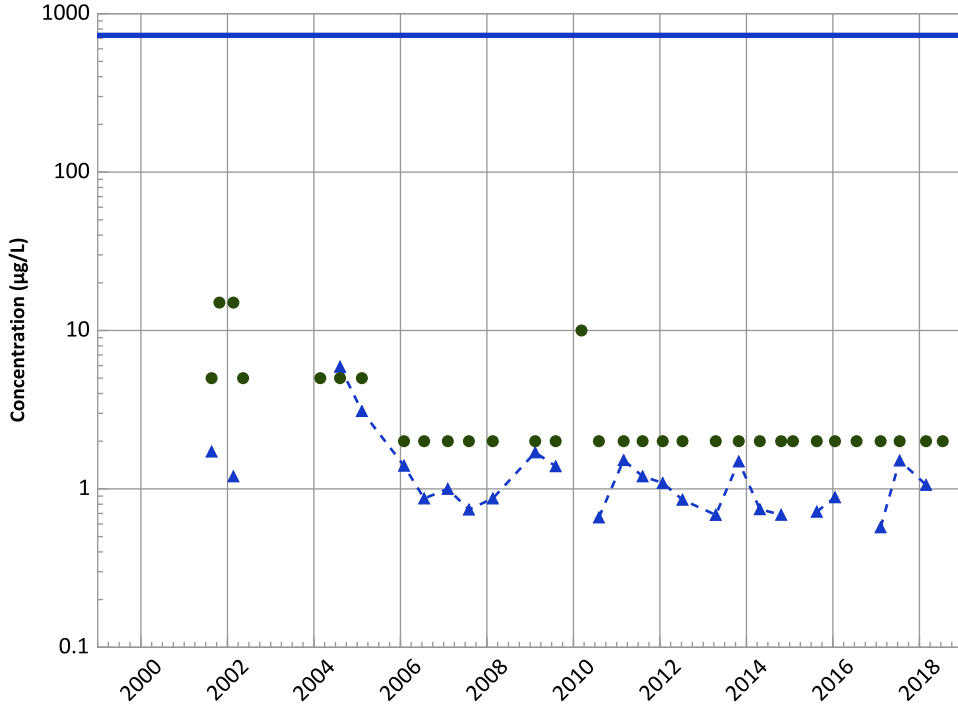


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1056 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

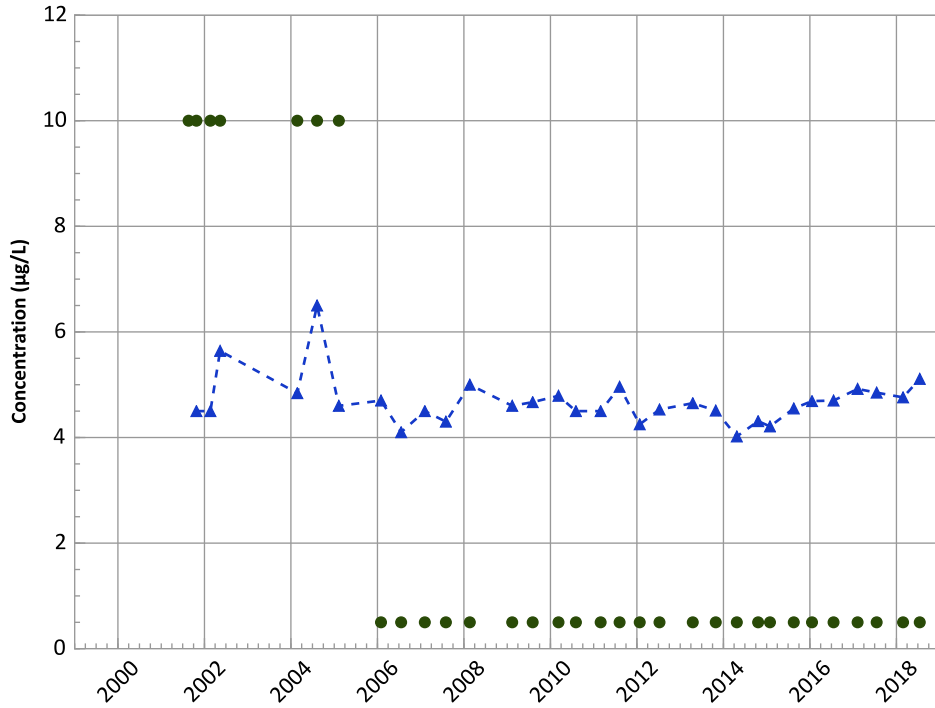
Data (2017 - 2021):

Stable

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

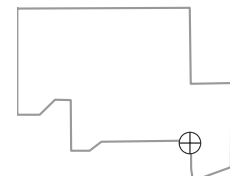
Data (2017 - 2021):

No Trend

All Data:

Decreasing

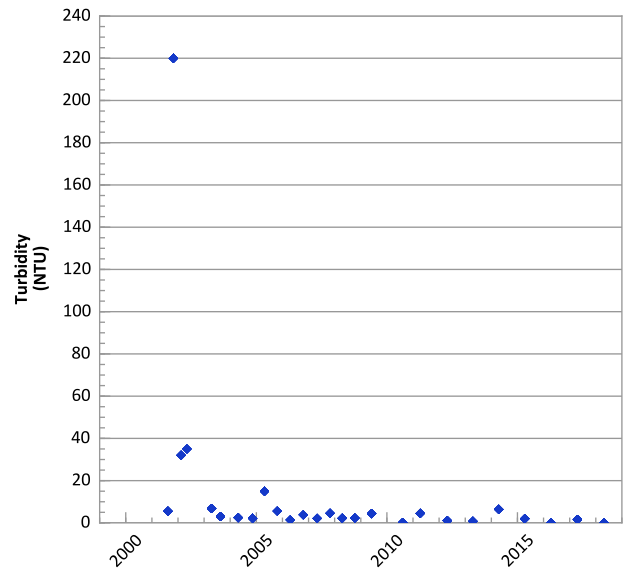
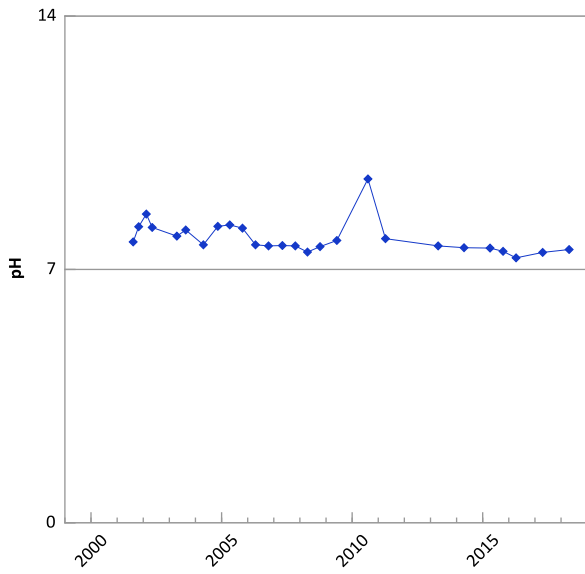
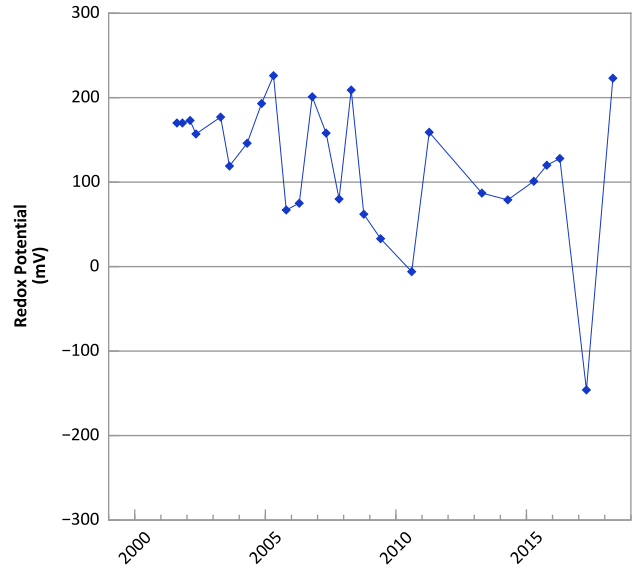
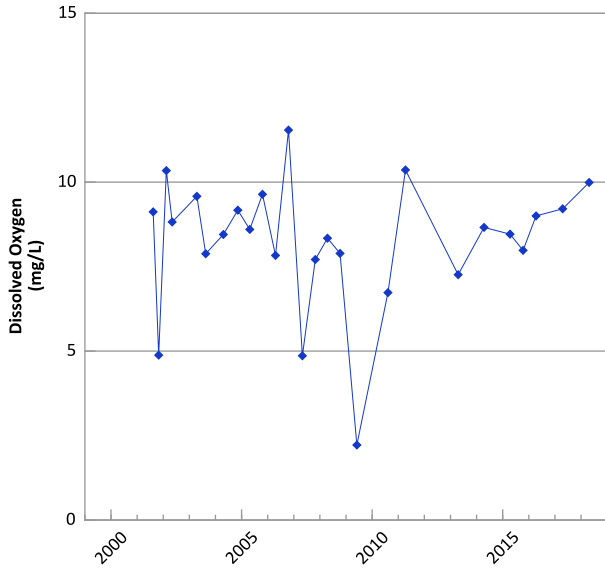
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/09/2000 to 10/29/2018
Analysis Date: 02/14/2019

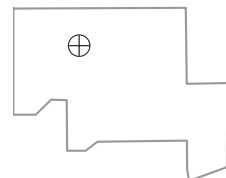
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



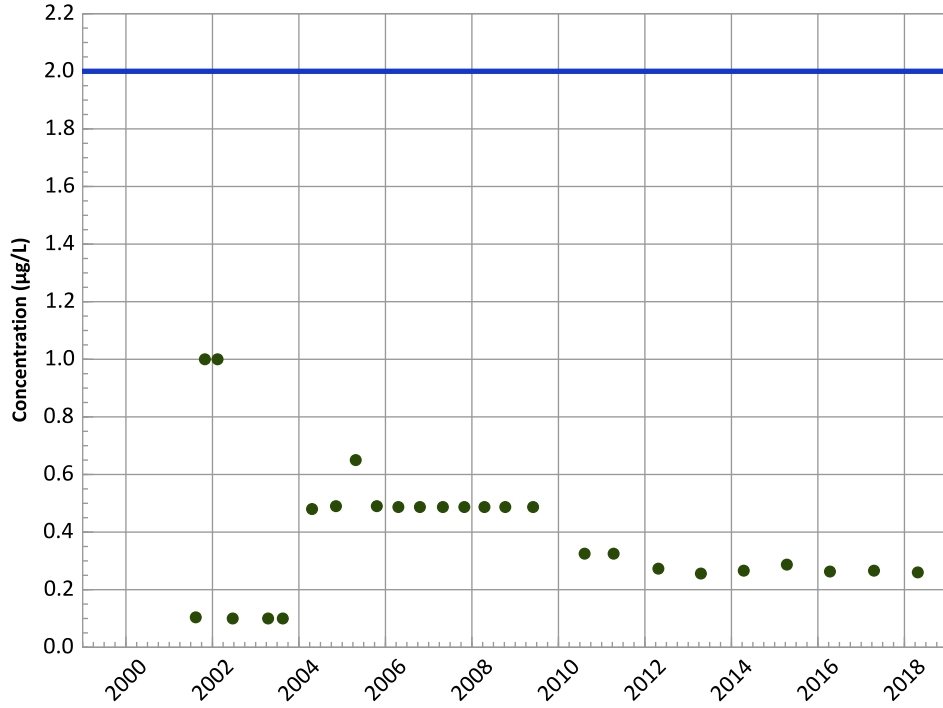
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/13/2001 to 04/24/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

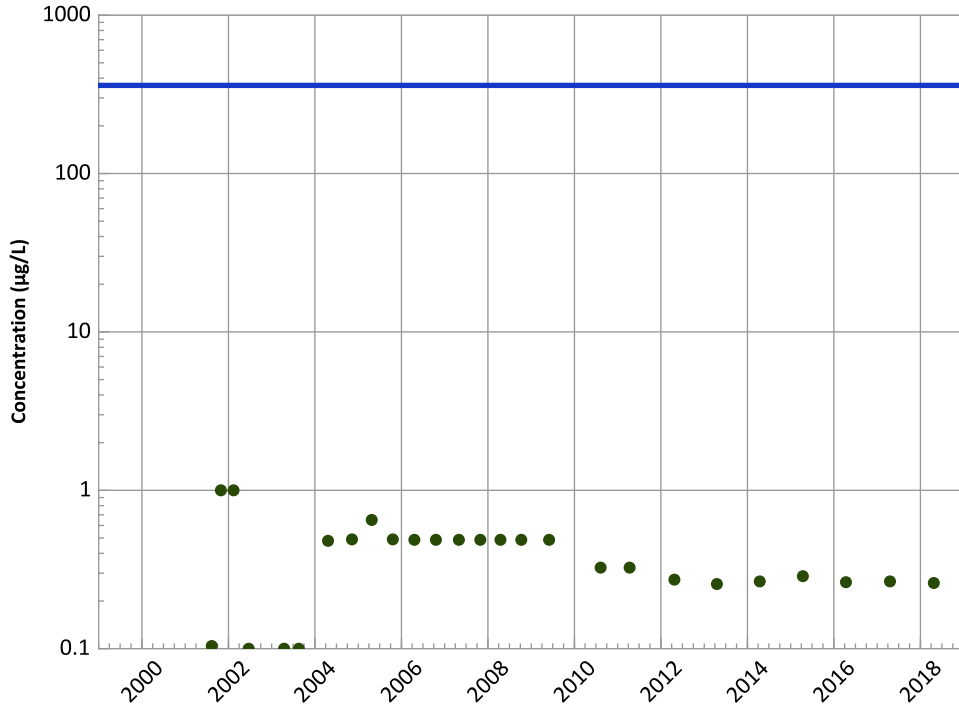
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

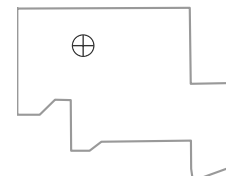
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

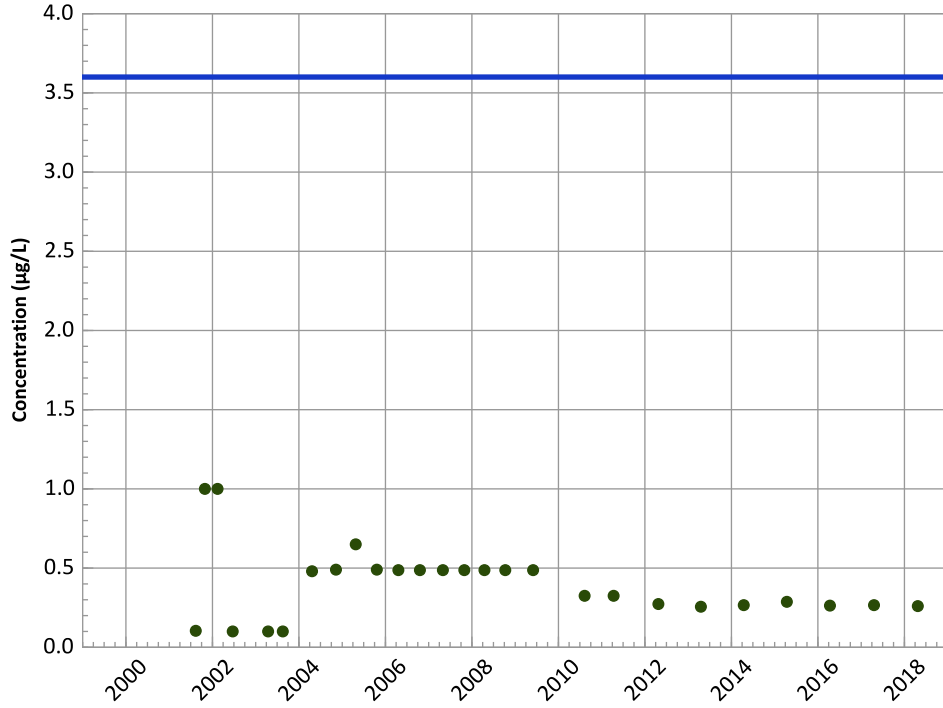
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

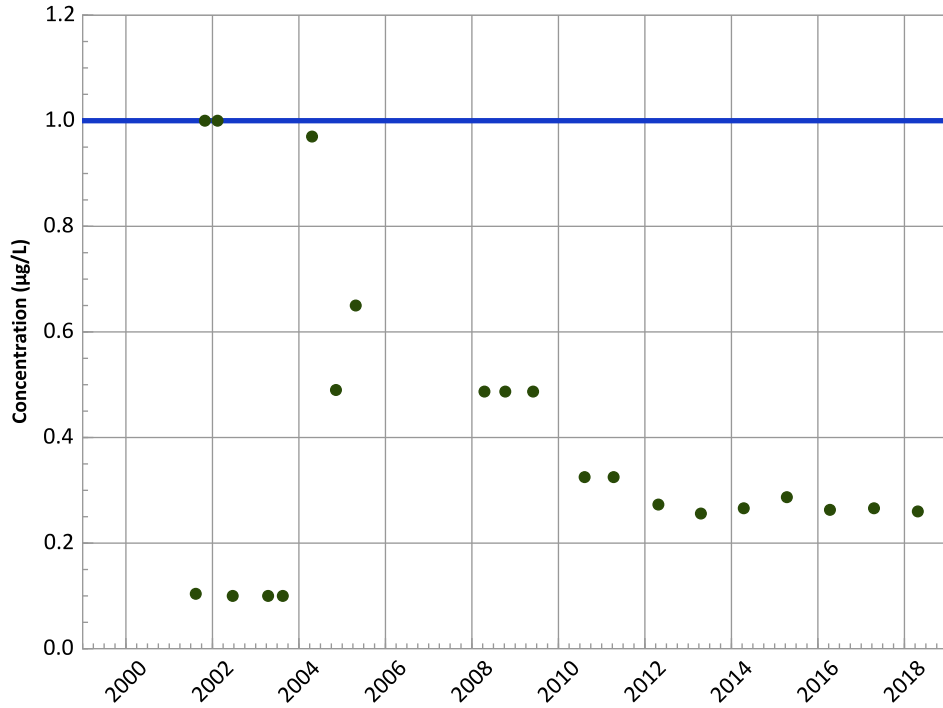
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

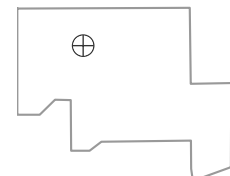
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

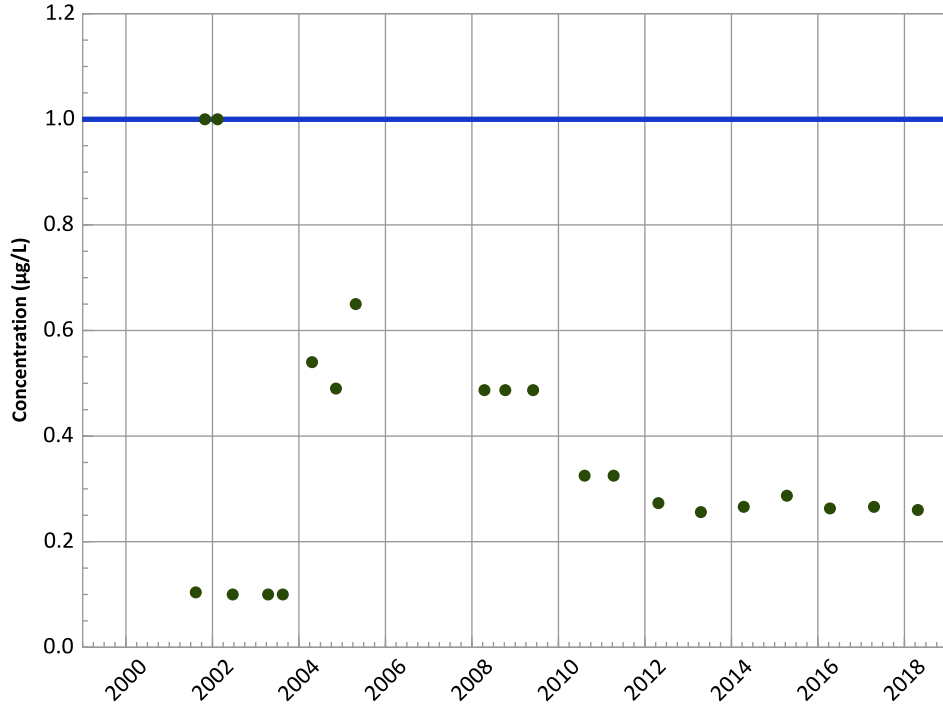


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

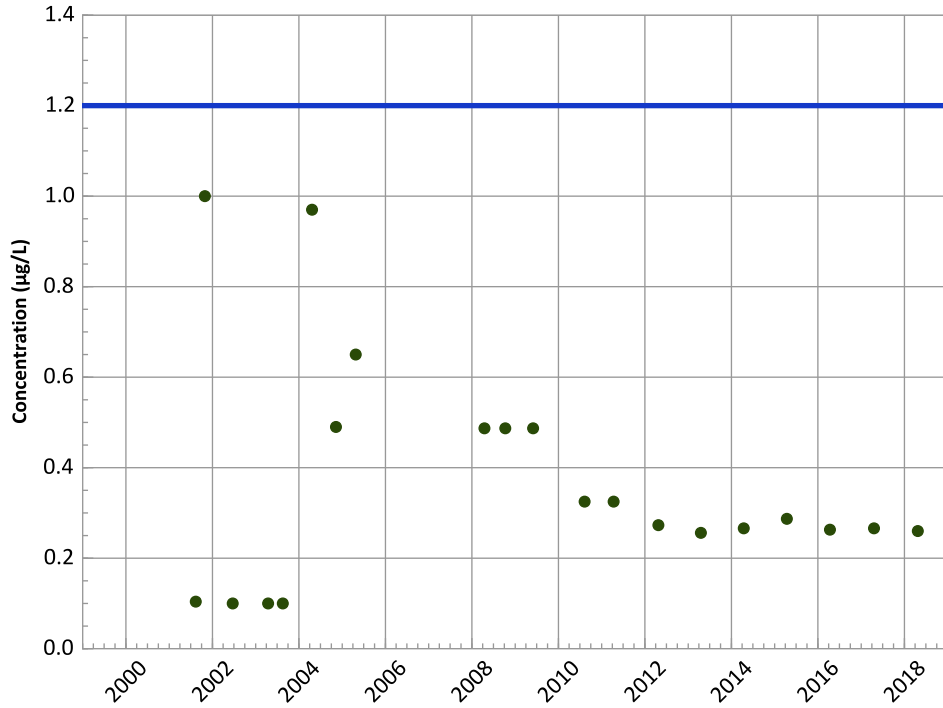
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

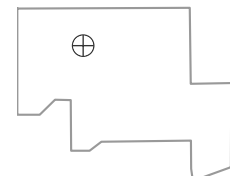
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

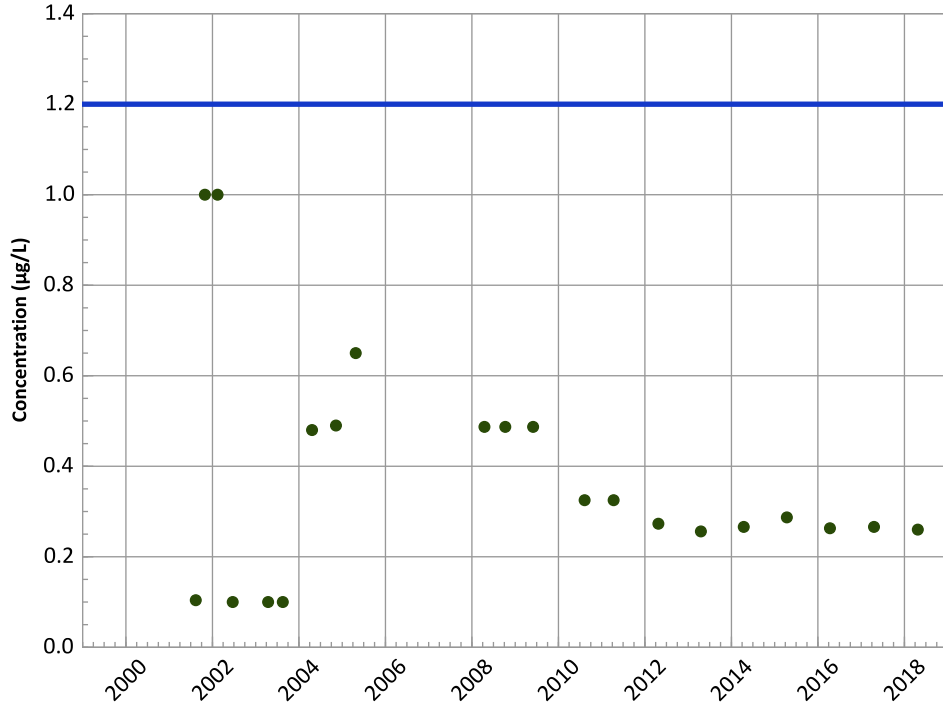


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

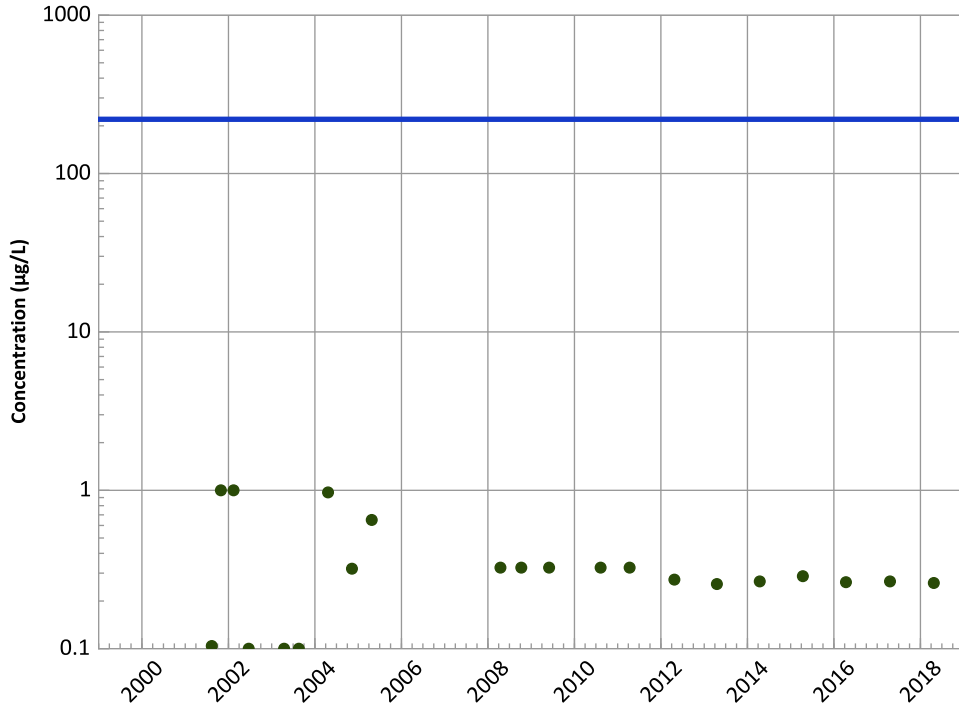
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

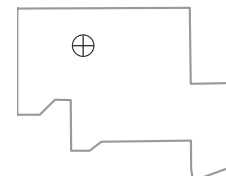
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

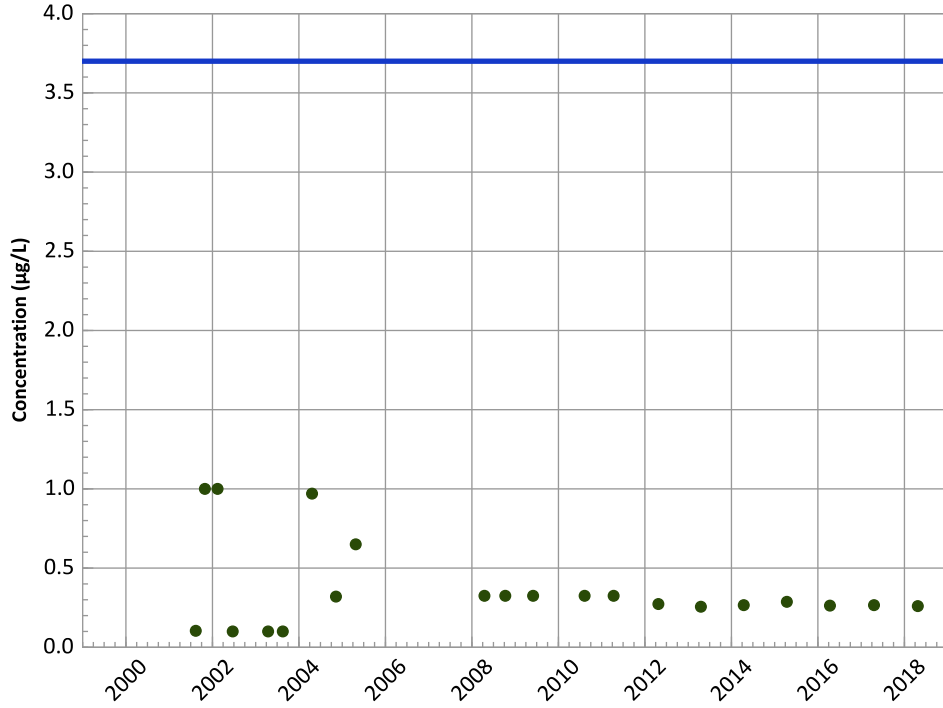
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

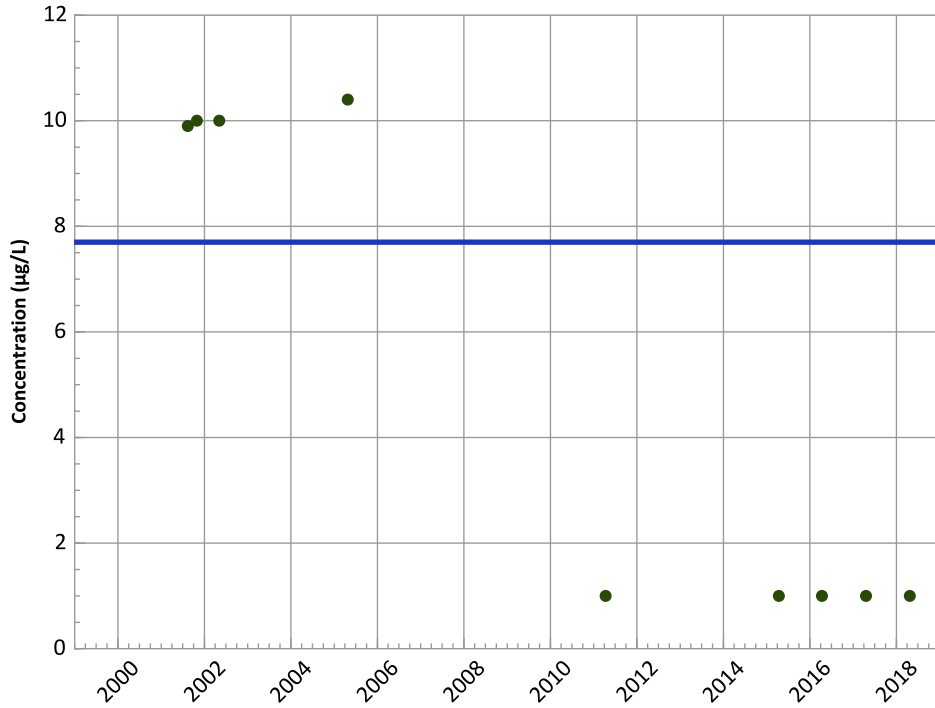
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

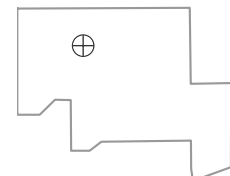
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

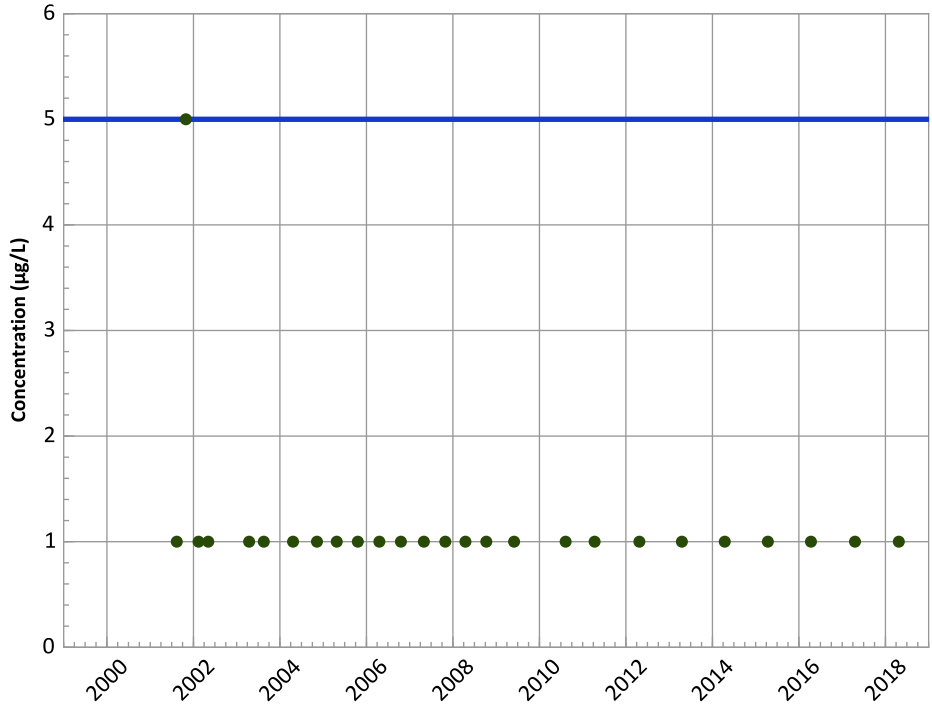
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

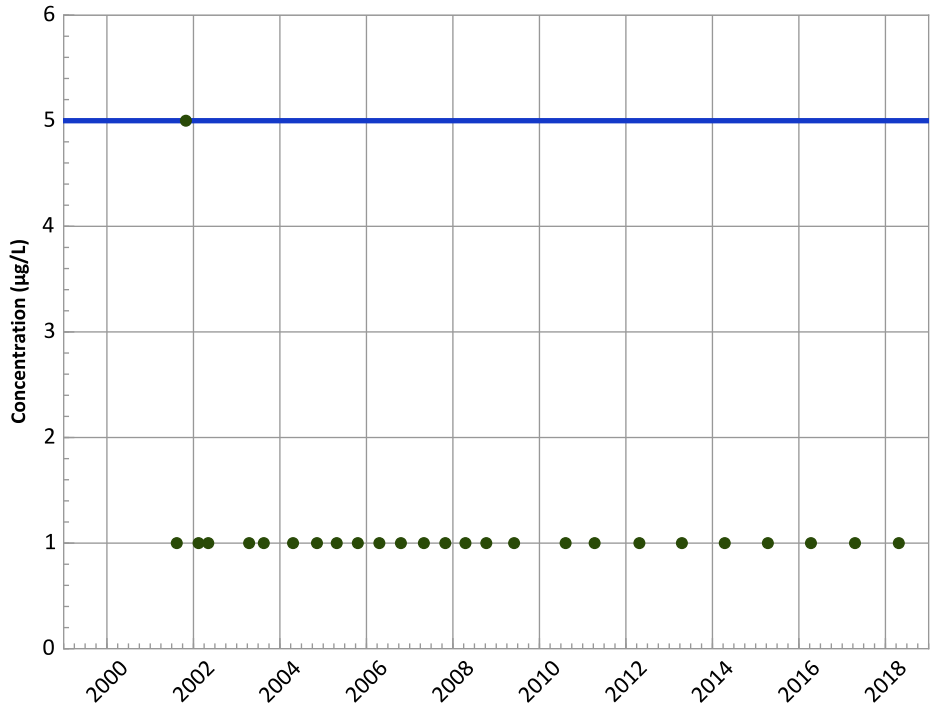
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

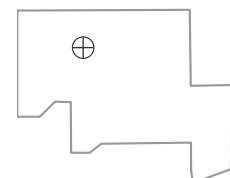
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

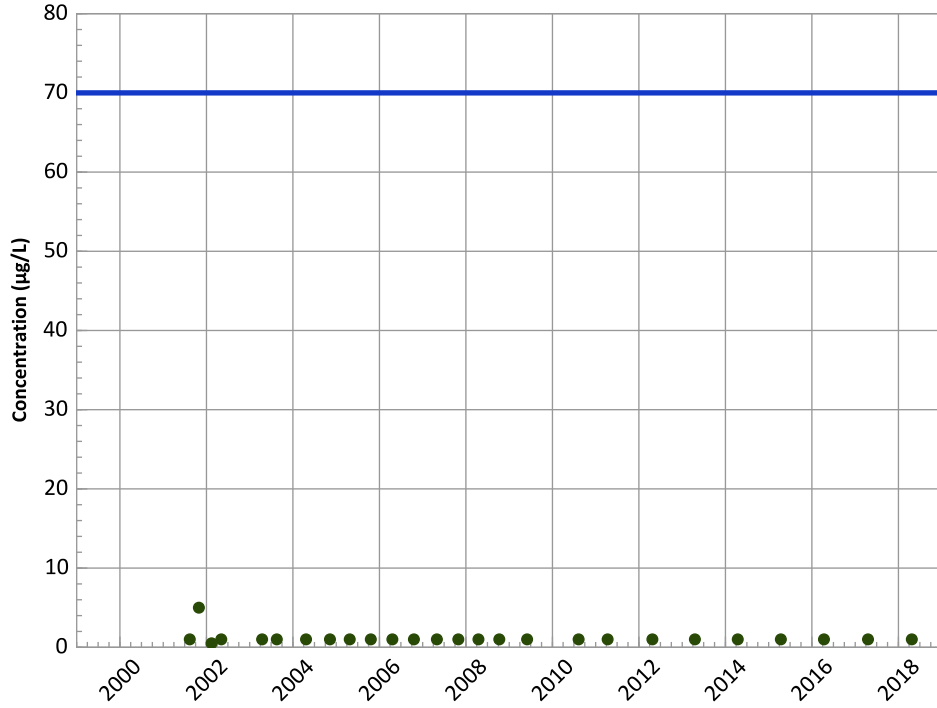


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

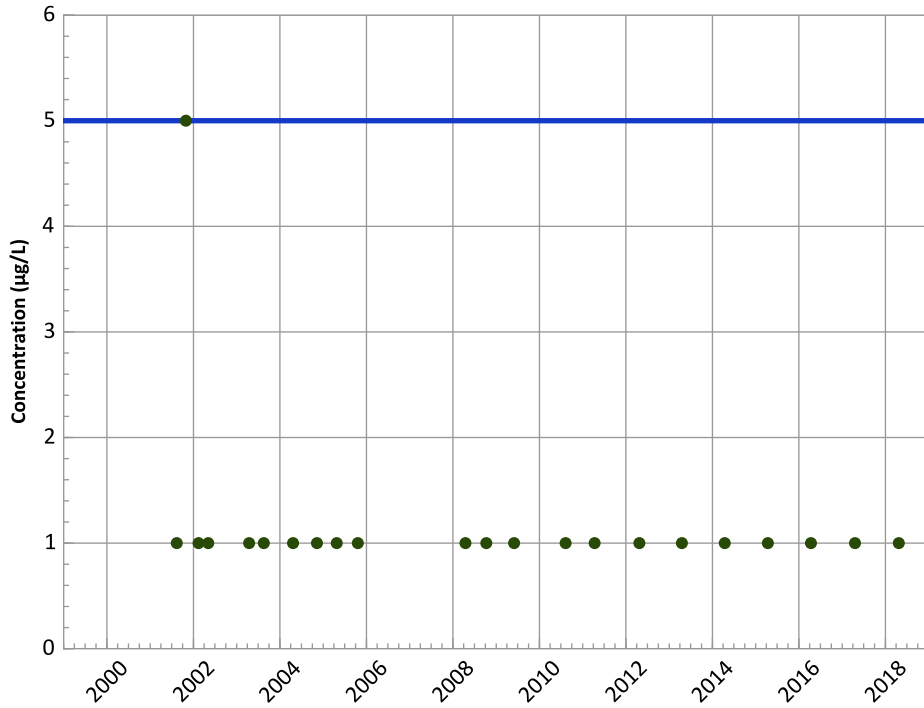
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

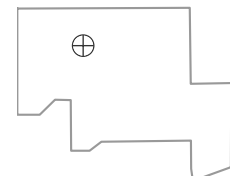
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

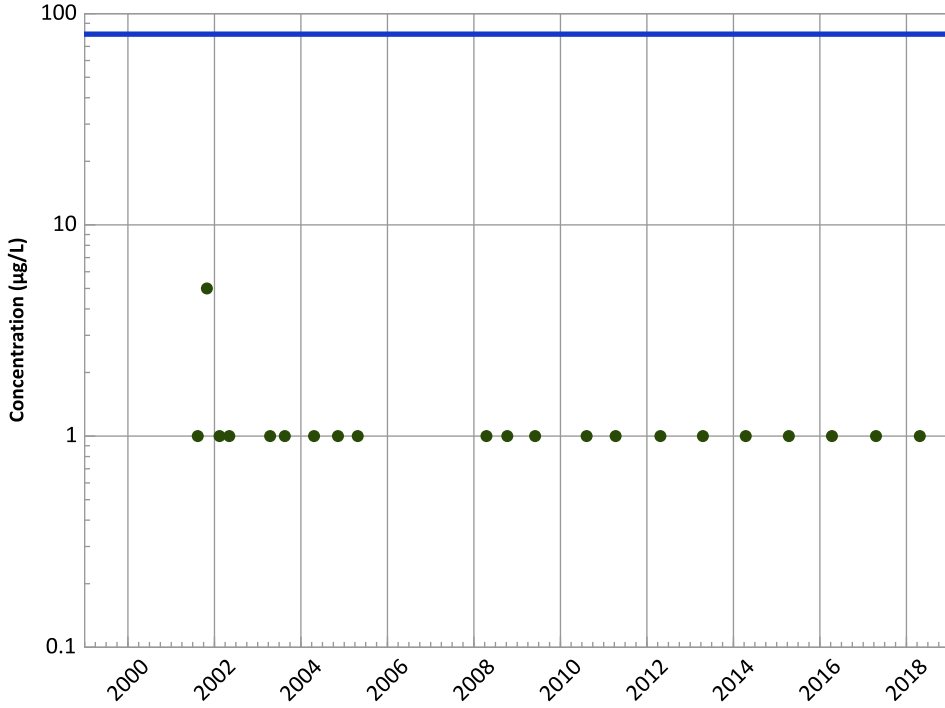


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

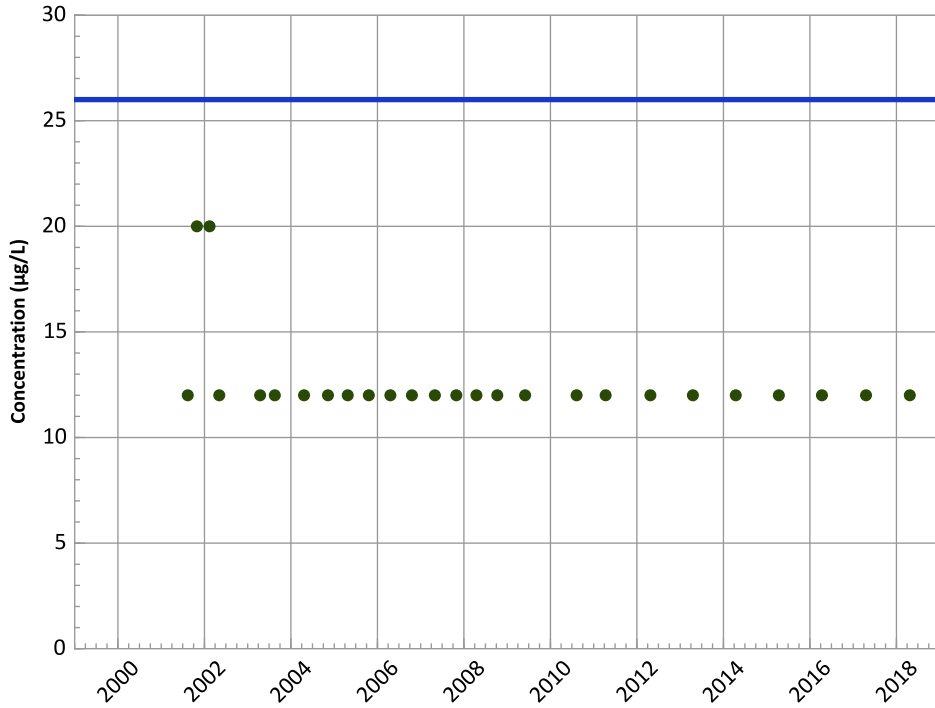
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

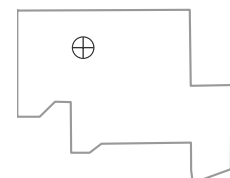
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

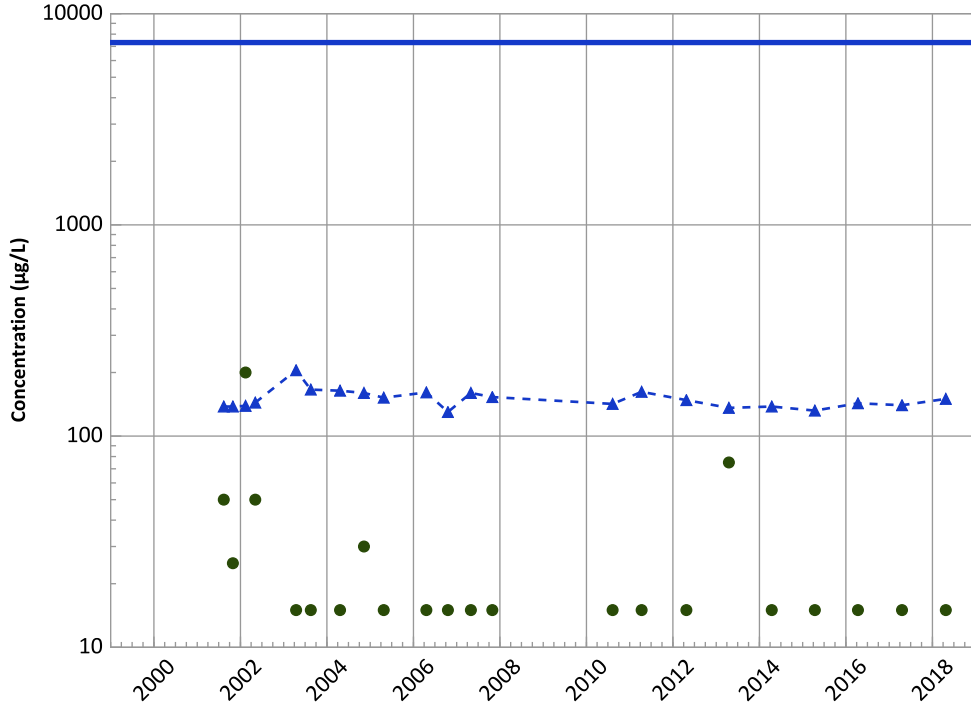


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1057A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

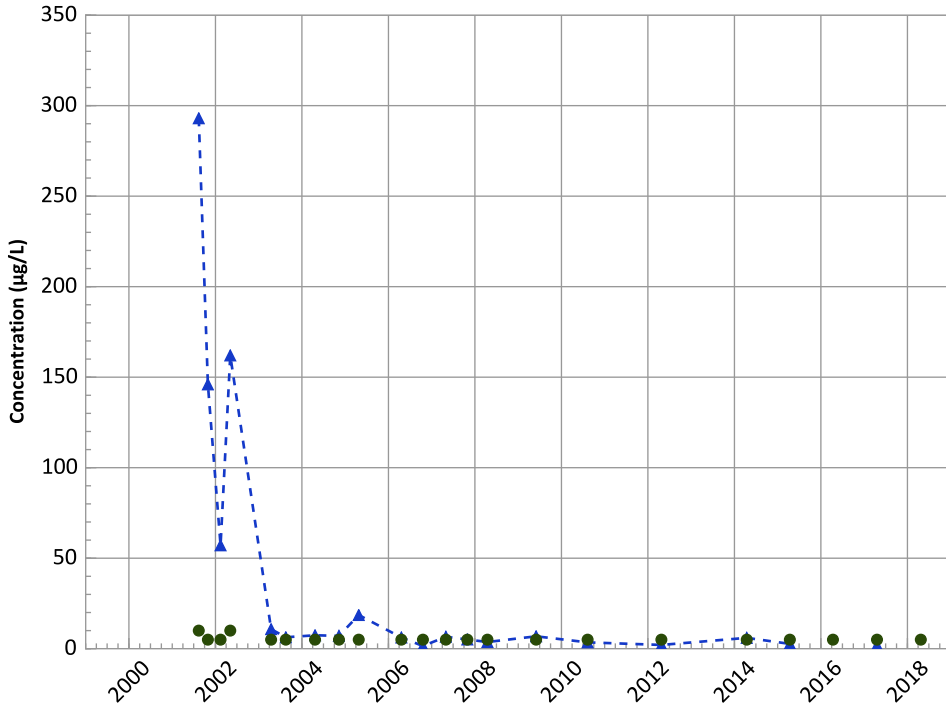
Data (2017 - 2021):

Stable

All Data:

Probably Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

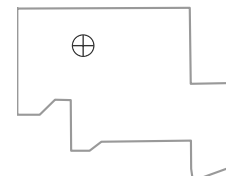
All Data:

Decreasing

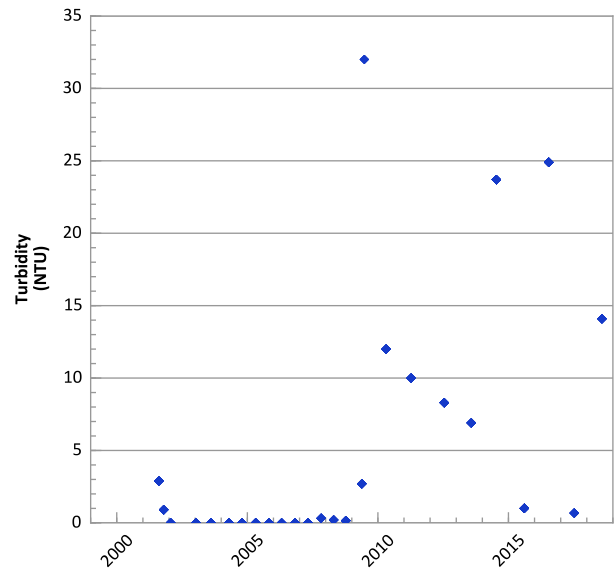
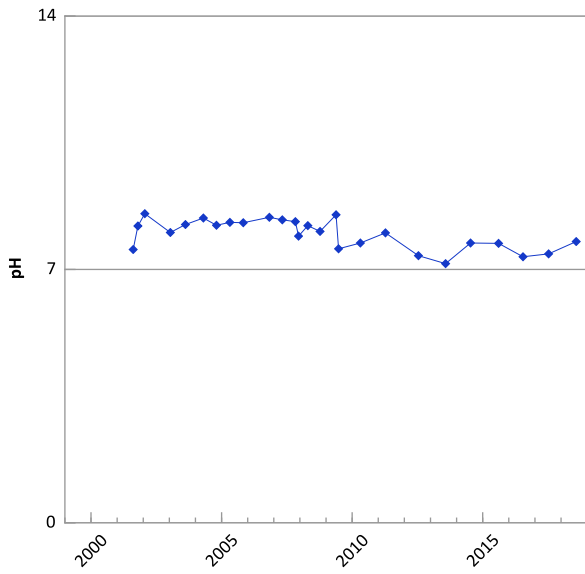
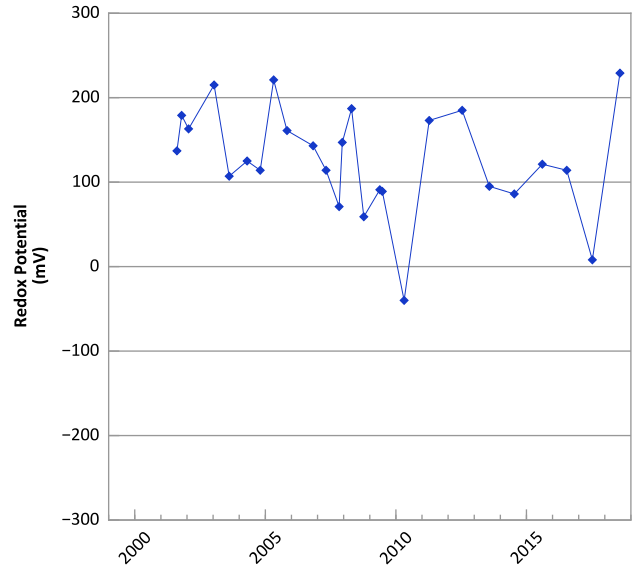
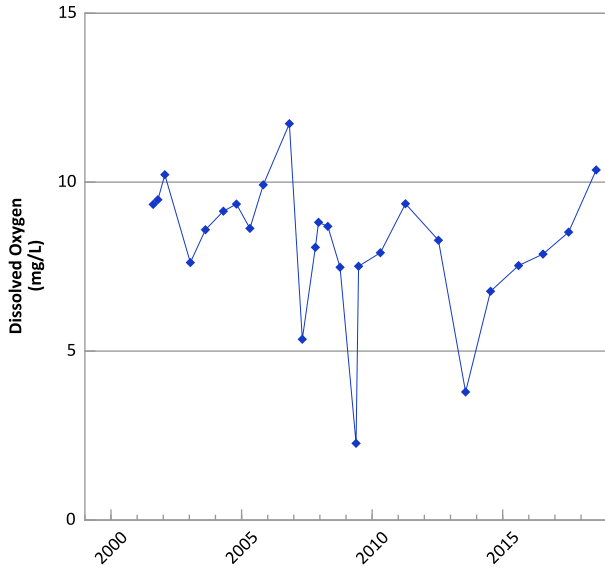
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/13/2001 to 04/24/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

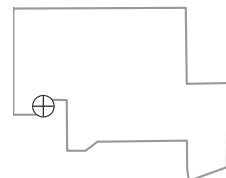


**PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



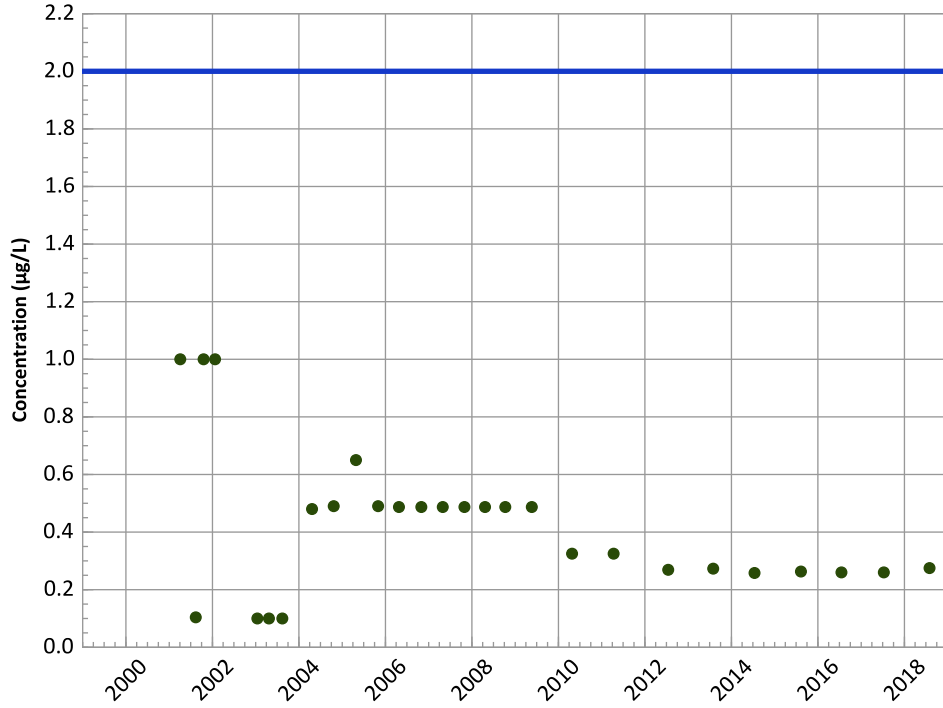
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 04/04/2001 to 08/01/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

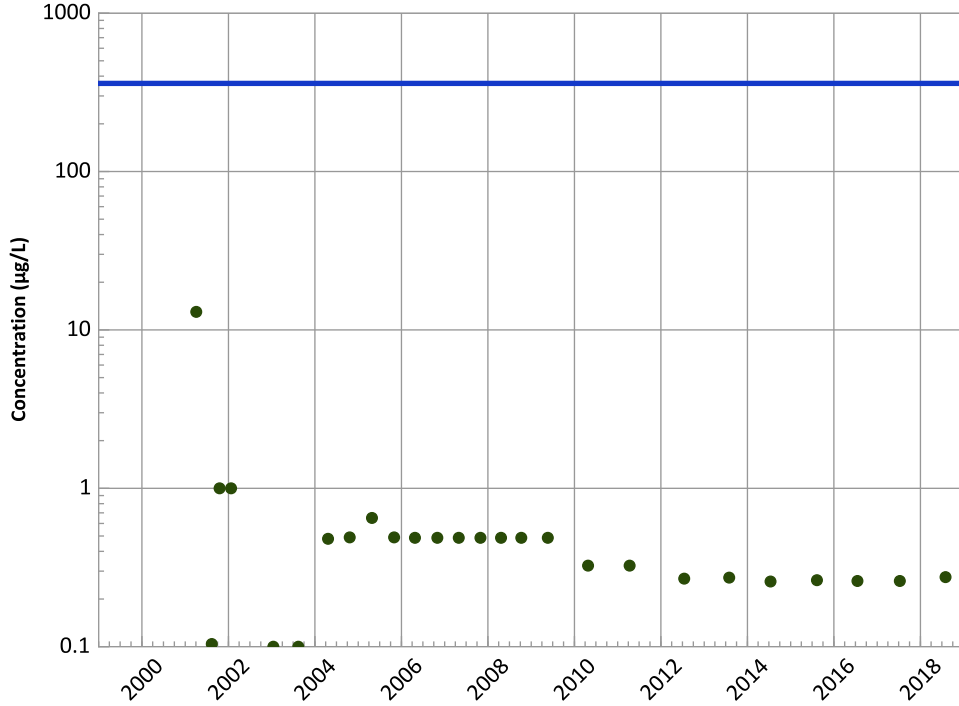
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

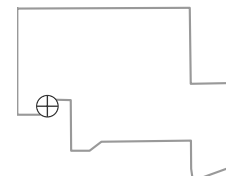
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

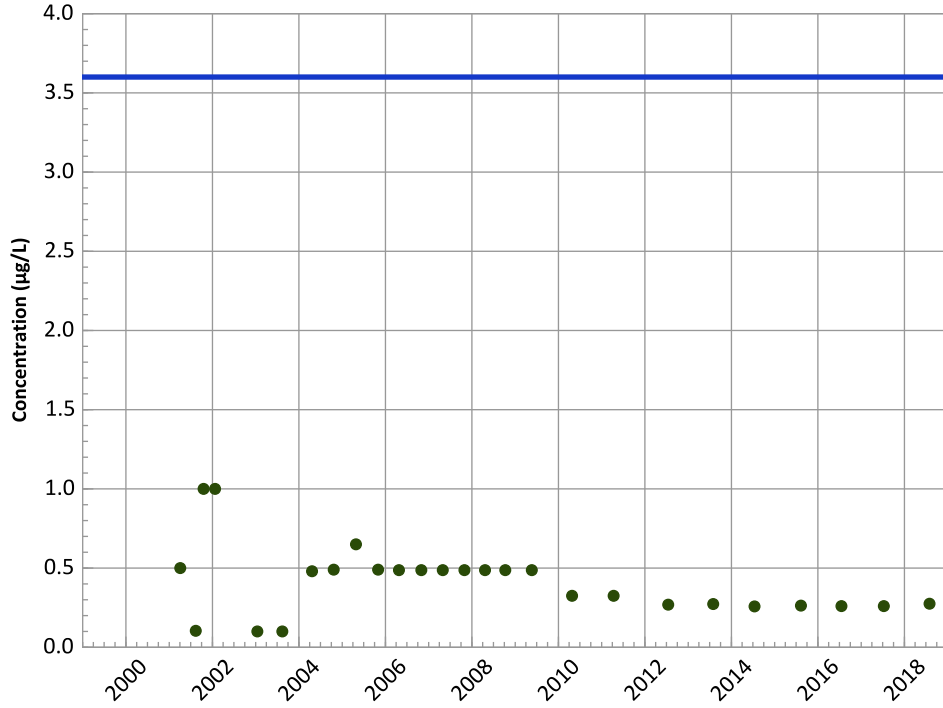
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

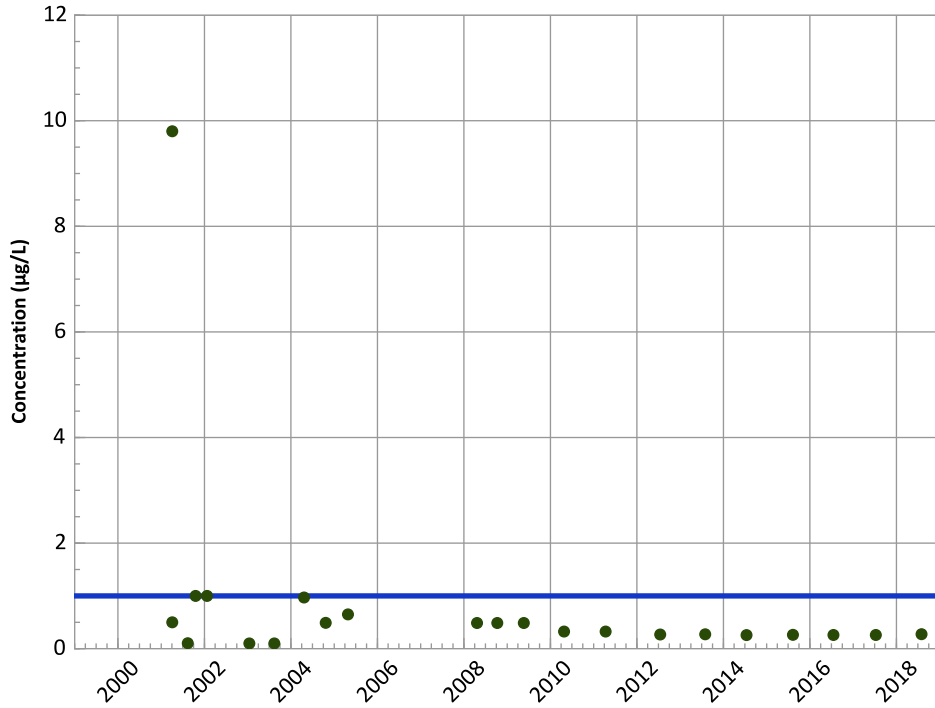
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

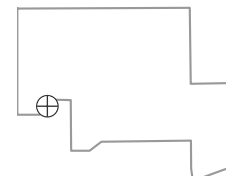
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

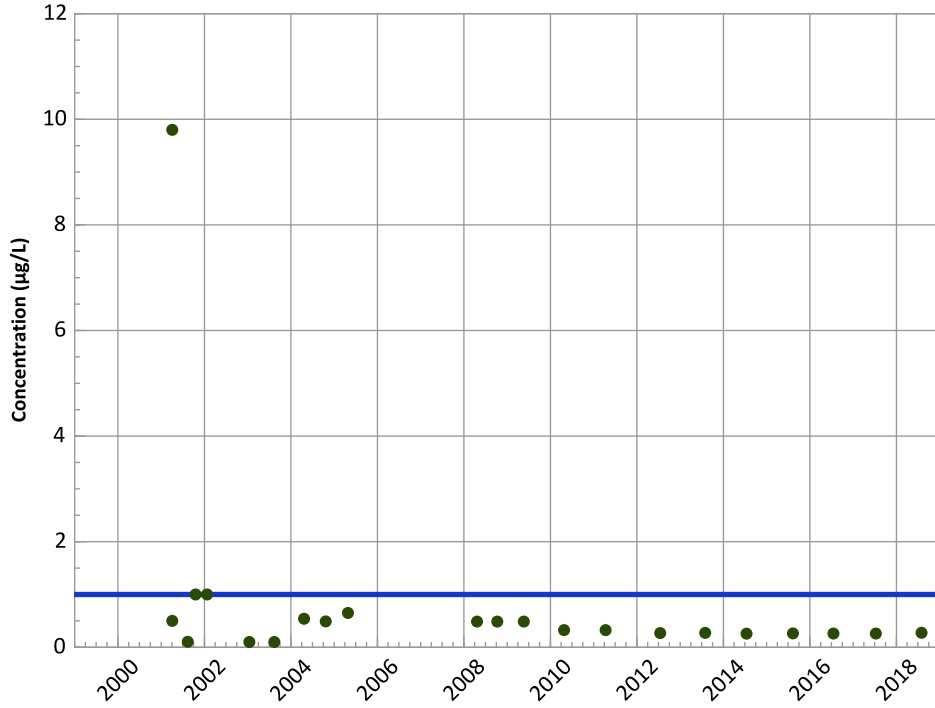
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

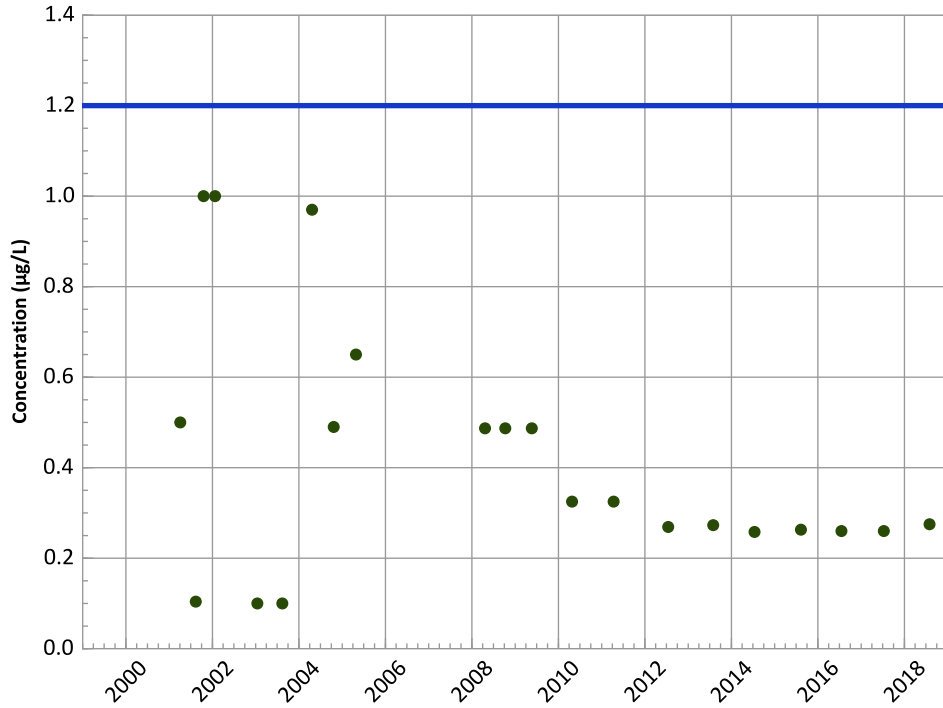
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

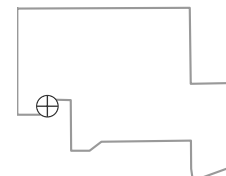
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

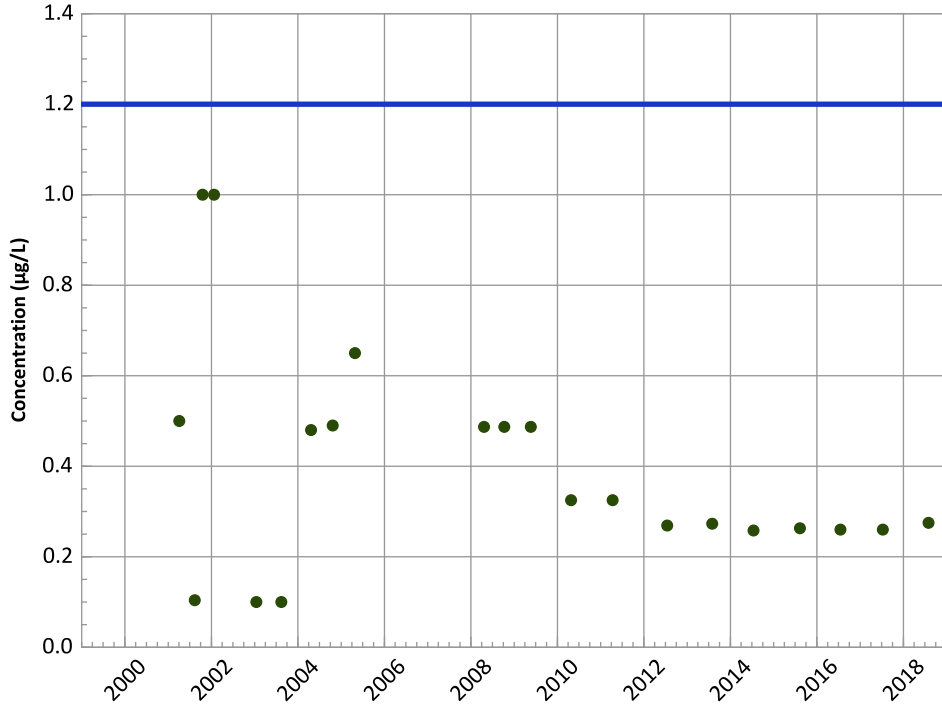
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

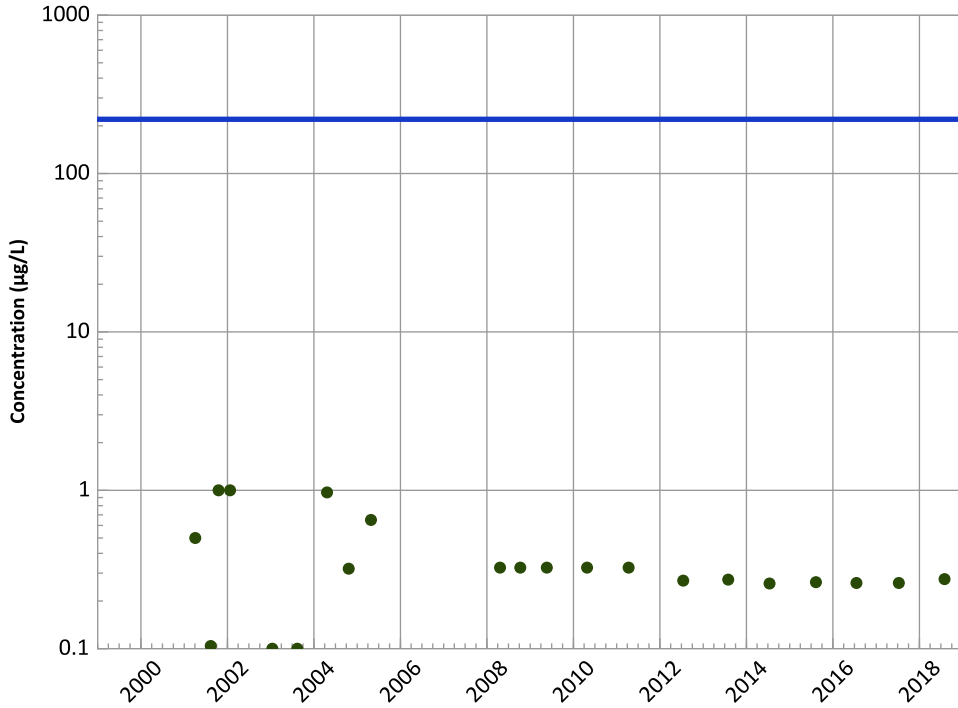
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

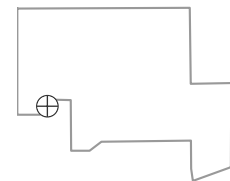
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

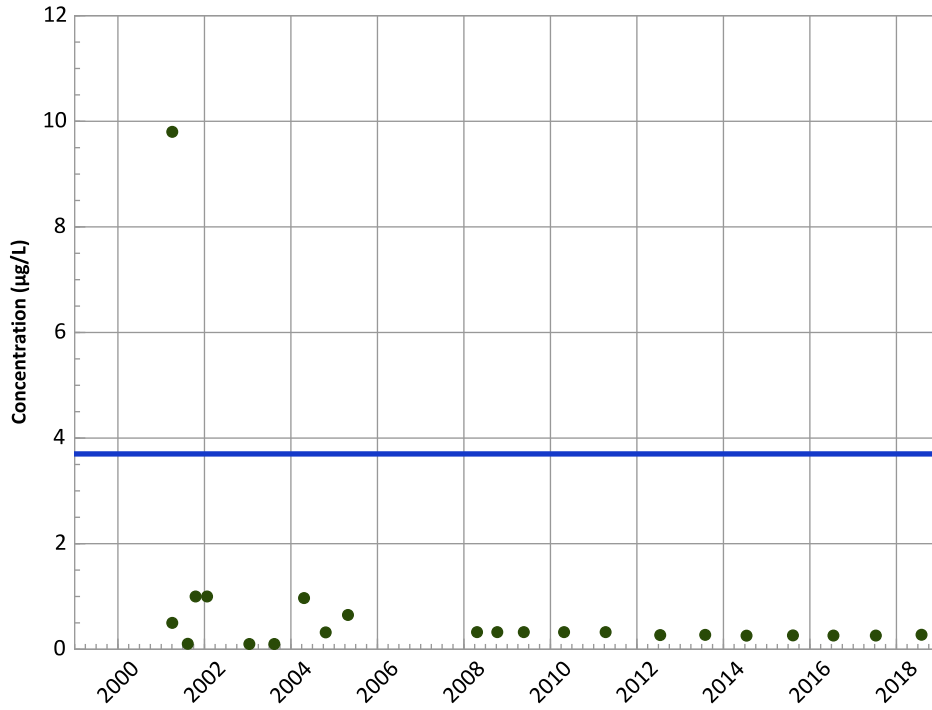


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

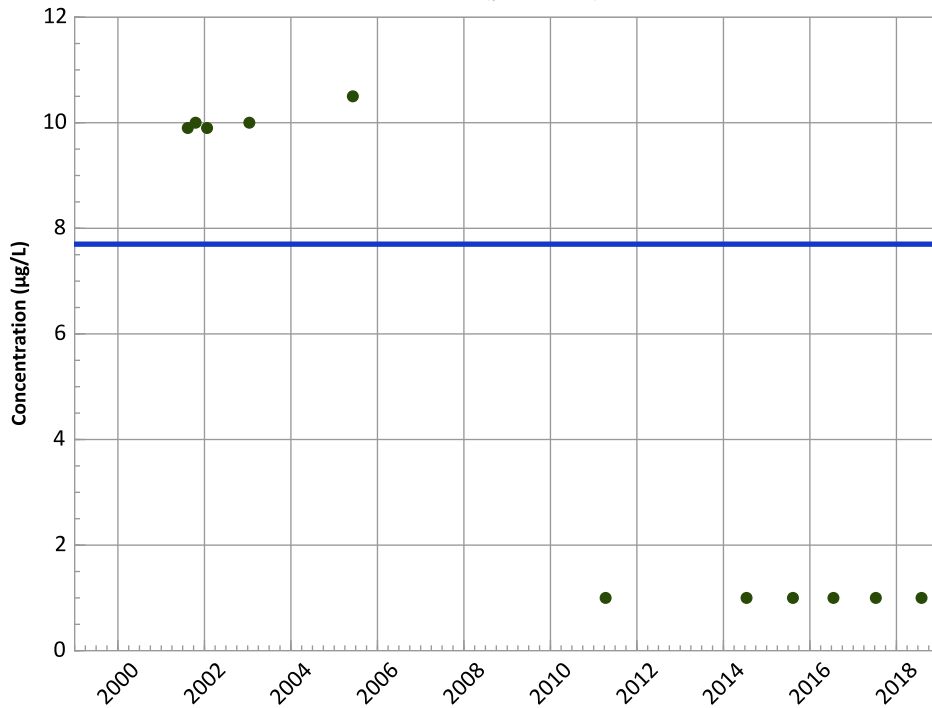
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

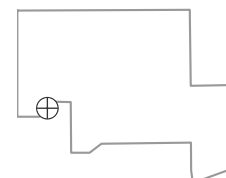
Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

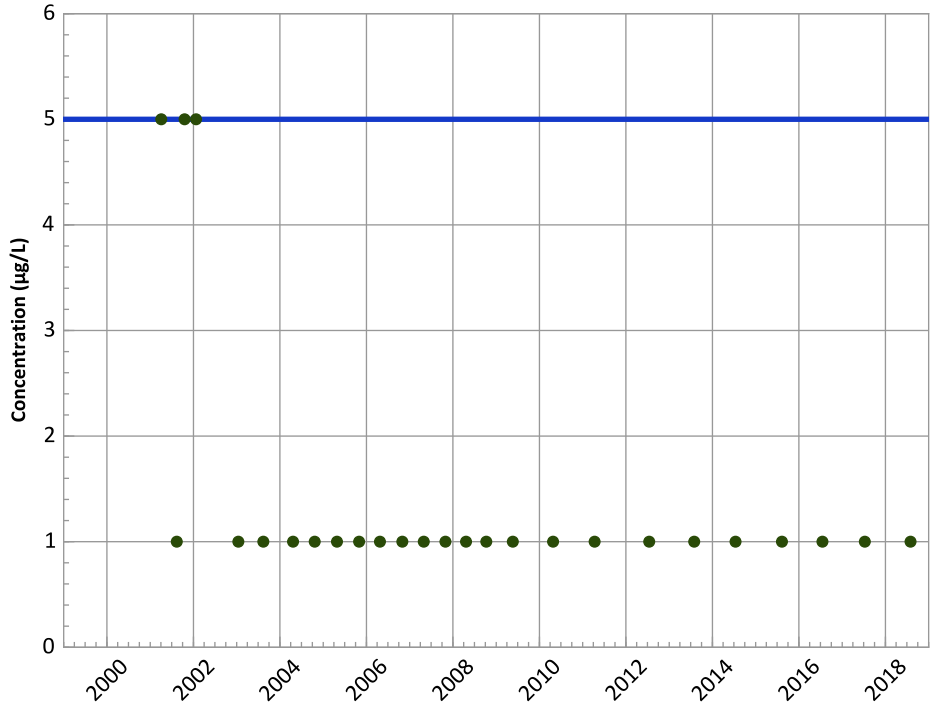
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

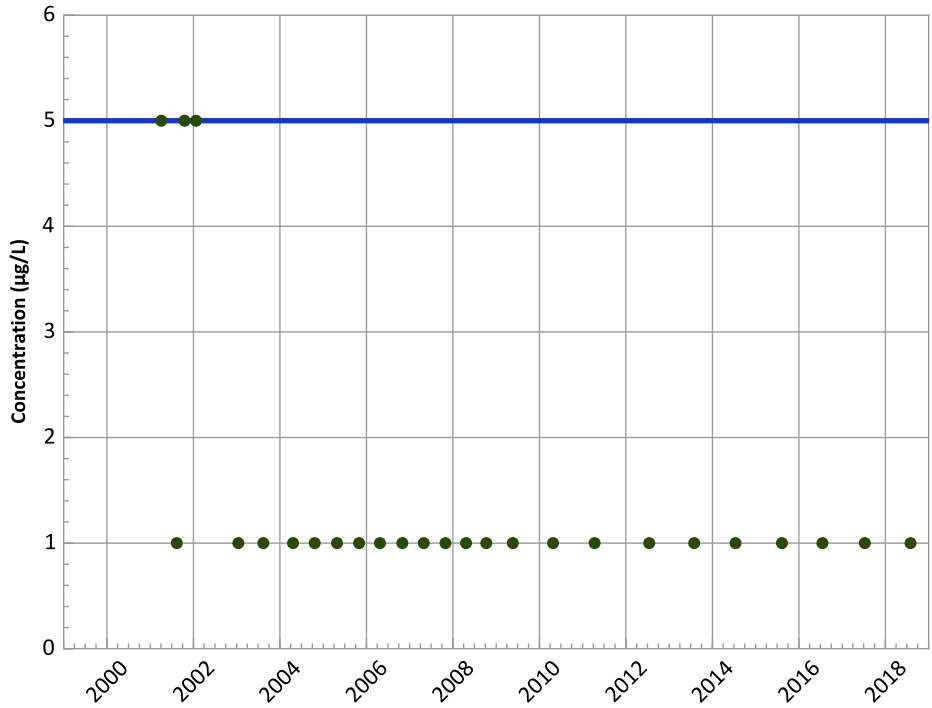
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

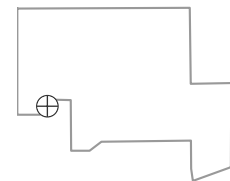
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

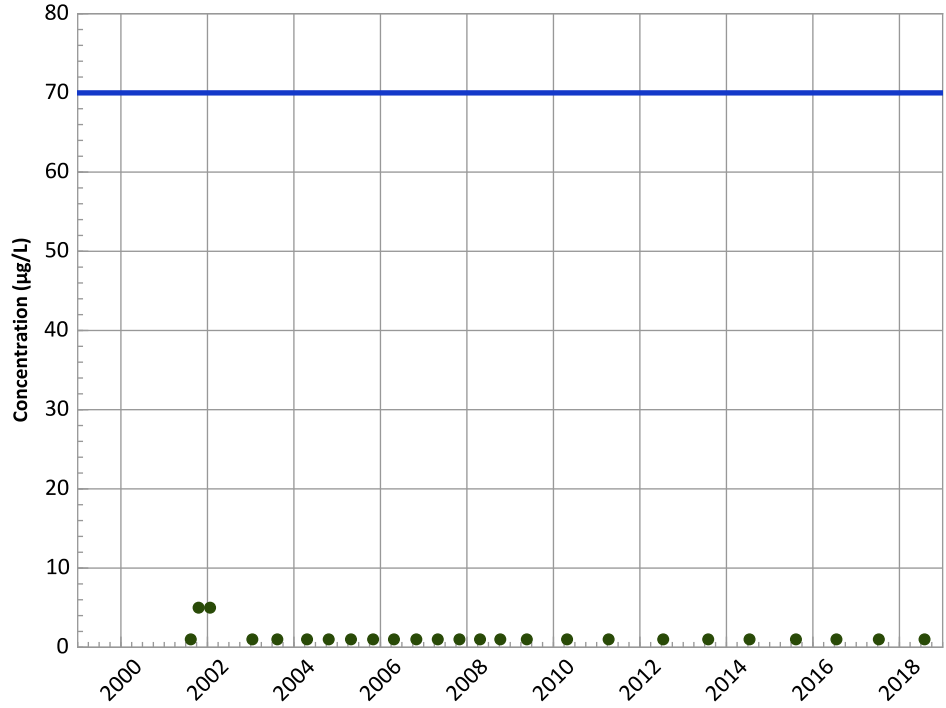
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**
cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

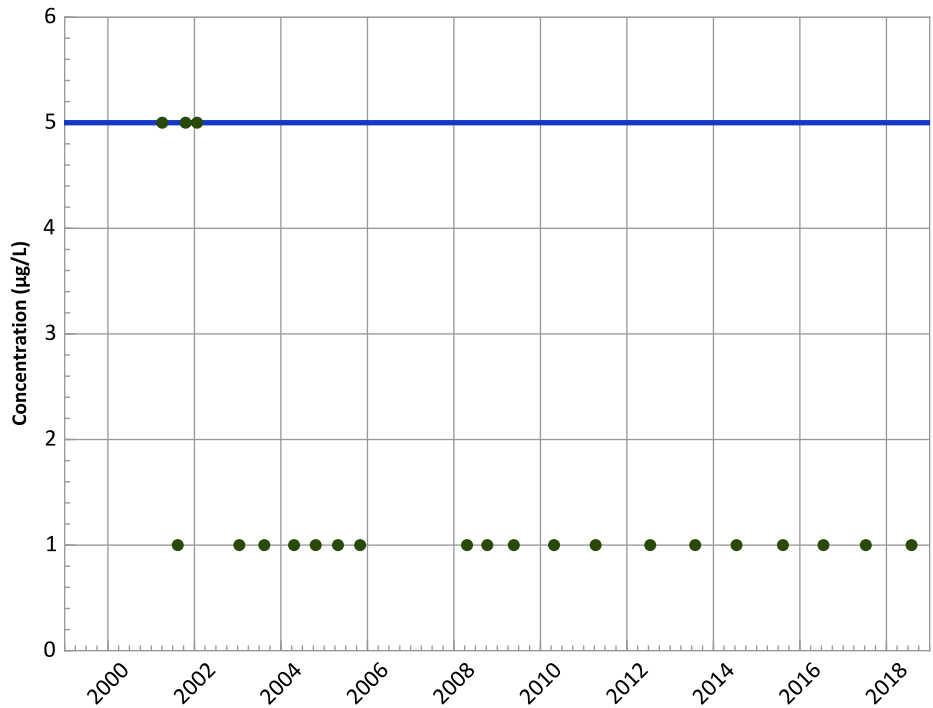
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

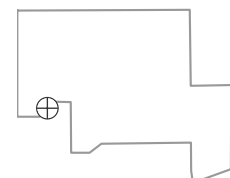
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

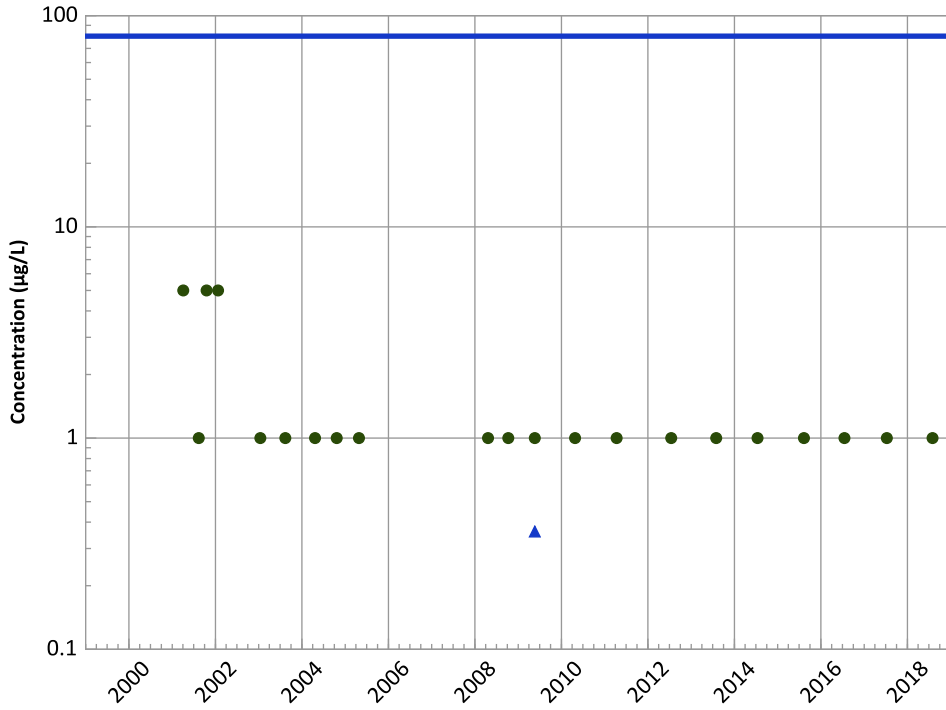
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1058 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend

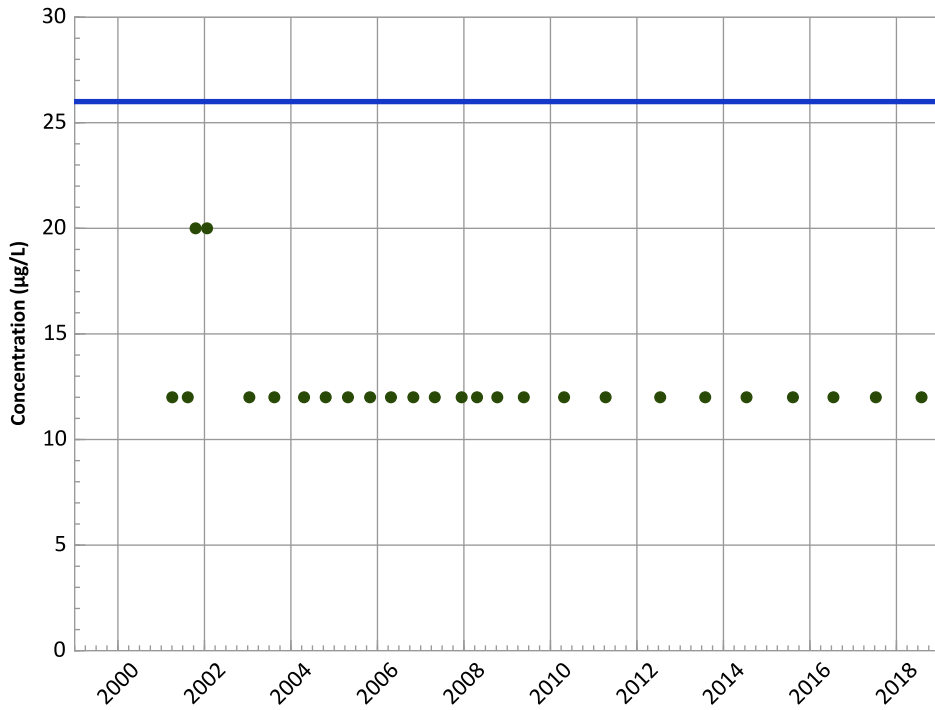


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 N/A (<4 Detections in Dataset)

Perchlorate Trend

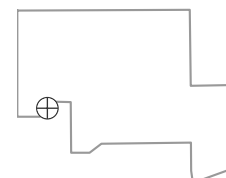


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

Well Location

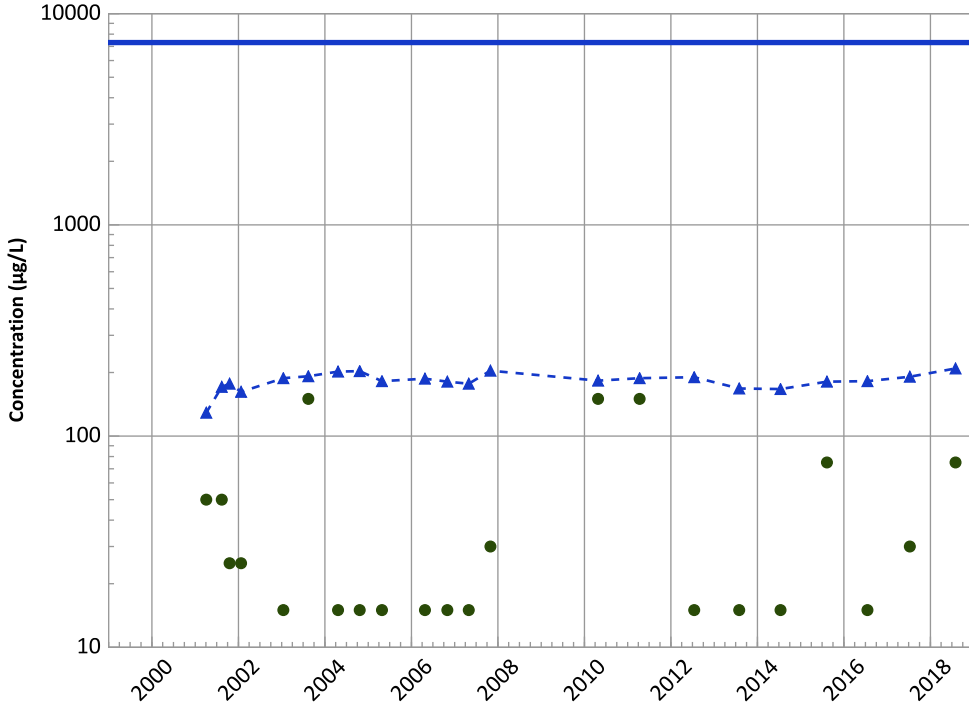


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 04/04/2001 to 08/01/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Stable

All Data:

Probably Increasing

MAROS Linear Regression Method

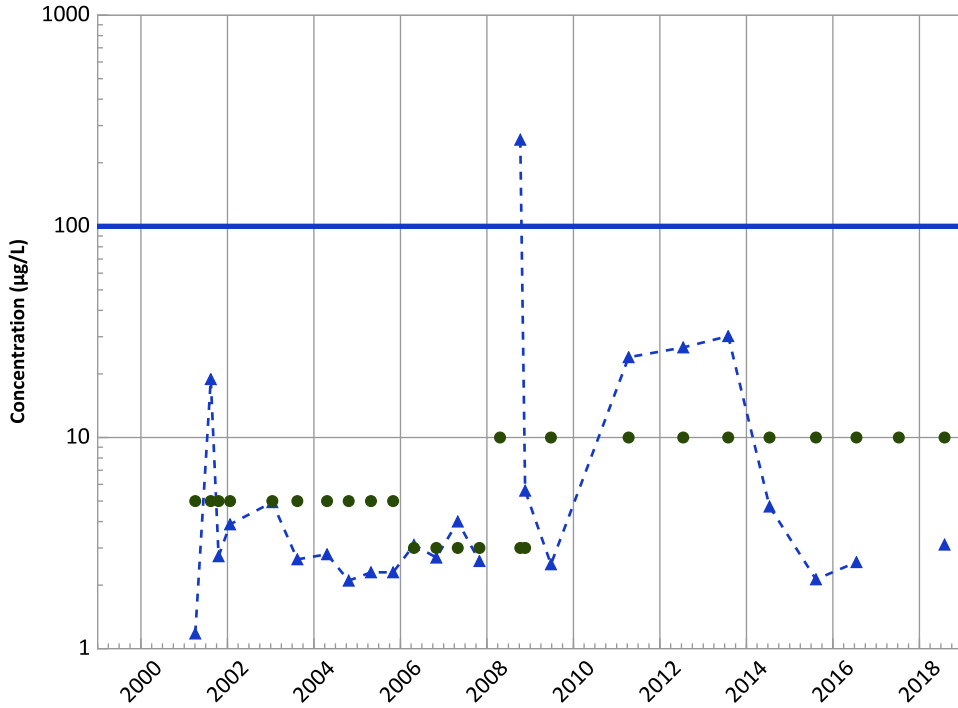
Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Probably Increasing

MAROS Linear Regression Method

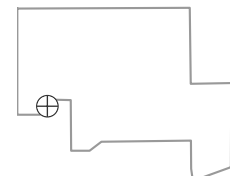
Data (2017 - 2021):

Decreasing

All Data:

No Trend

Well Location

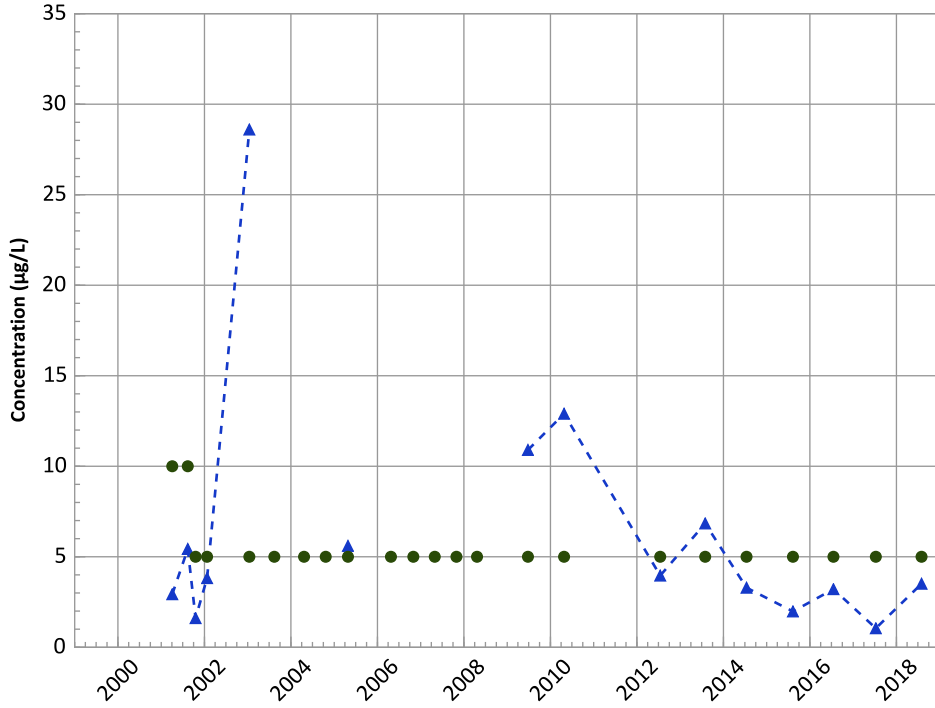


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

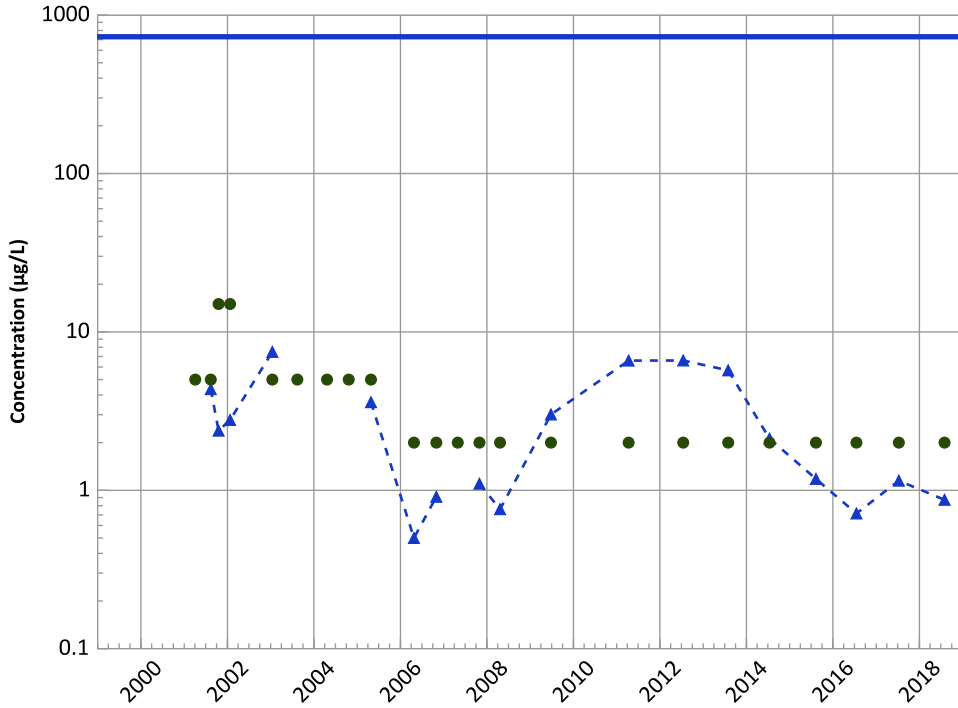
Data (2017 - 2021):

Stable

All Data:

No Trend

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

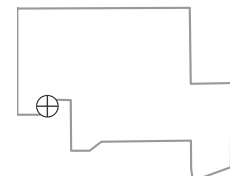
Data (2017 - 2021):

Decreasing

All Data:

Stable

Well Location

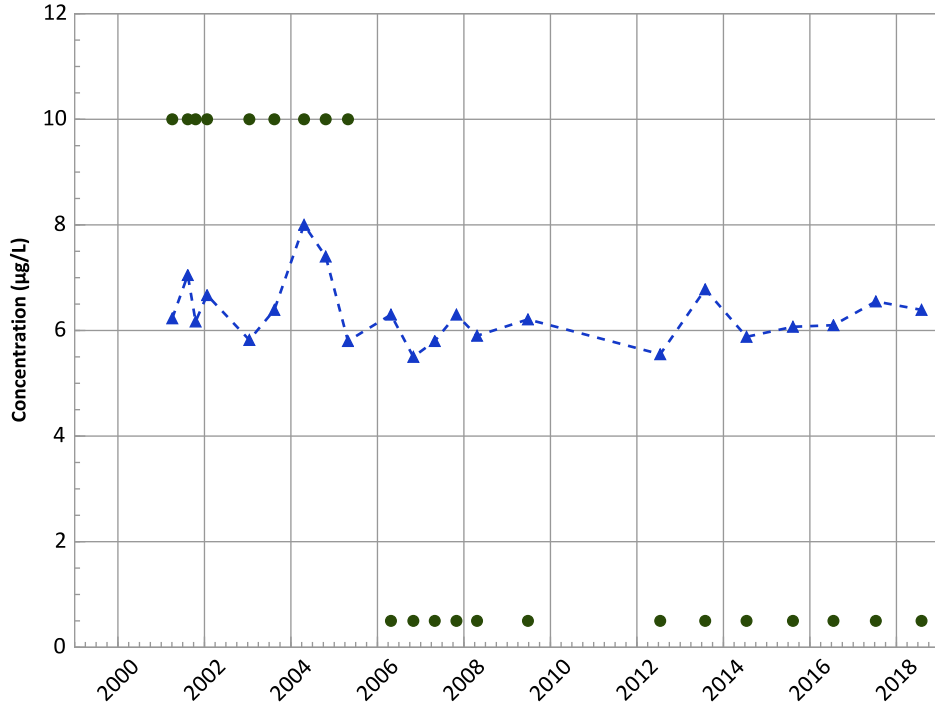


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1058 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend

All Data:
Decreasing

MAROS Linear Regression Method

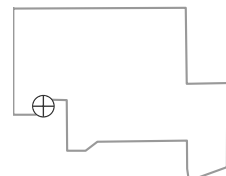
Data (2017 - 2021):
No Trend

All Data:
Decreasing

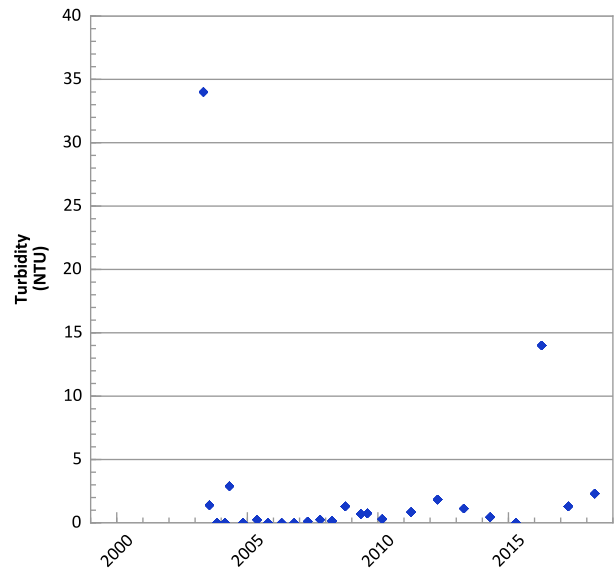
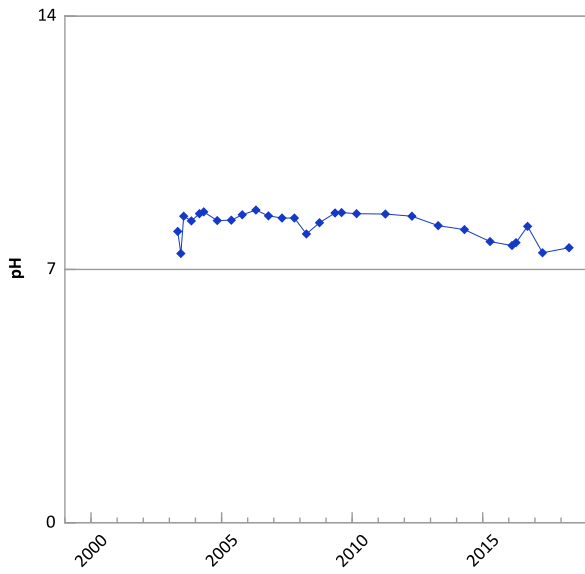
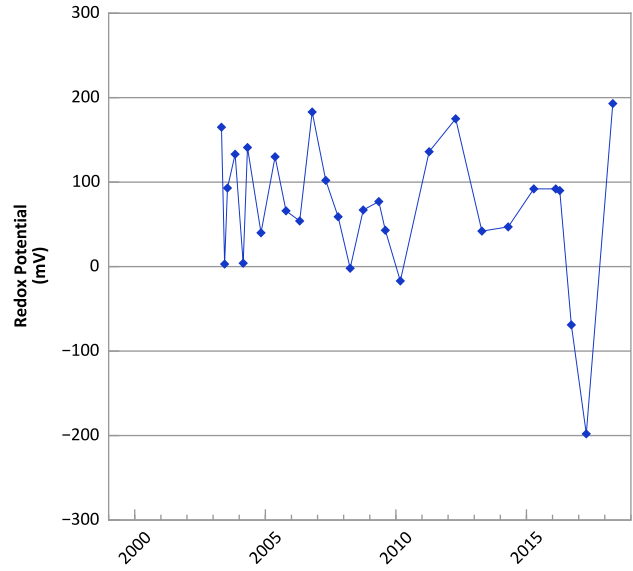
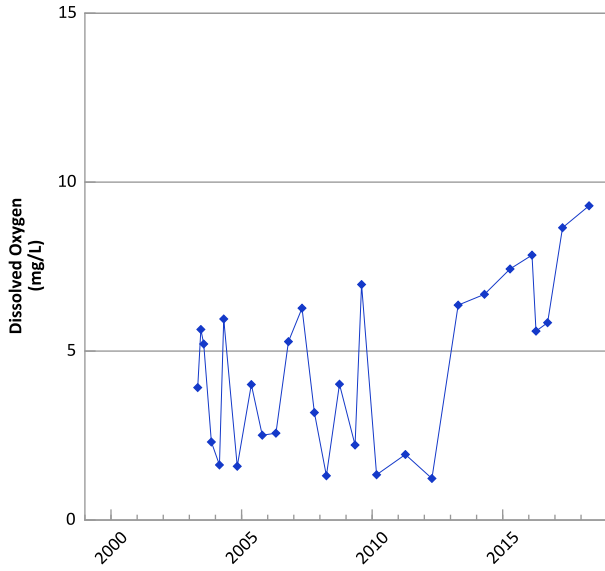
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/04/2001 to 08/01/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

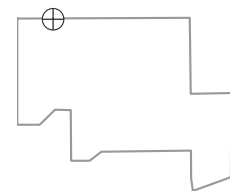


**PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



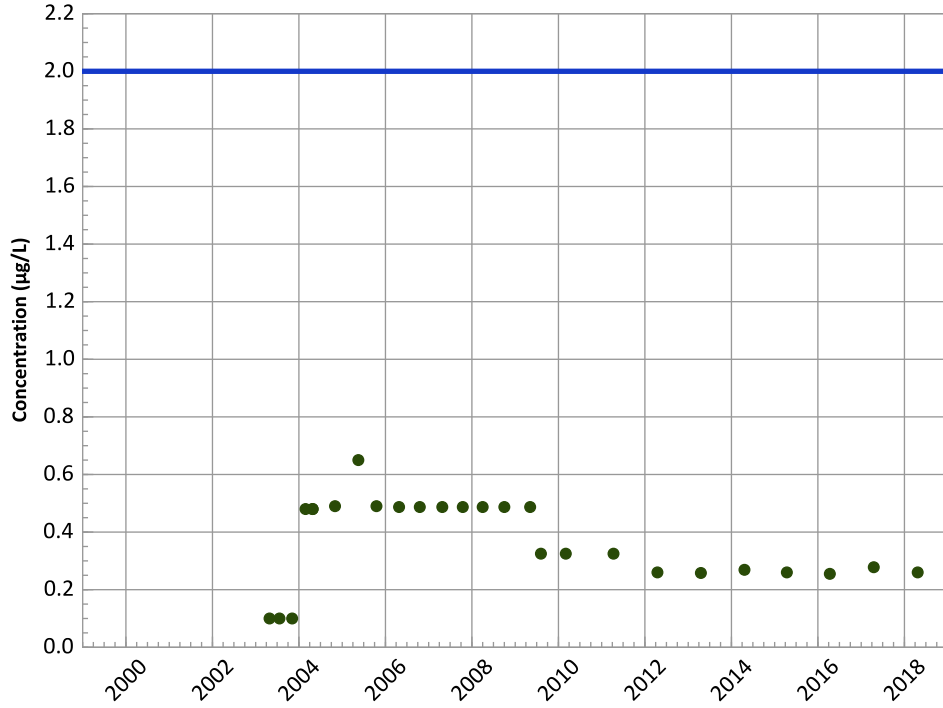
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 04/28/2003 to 04/23/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

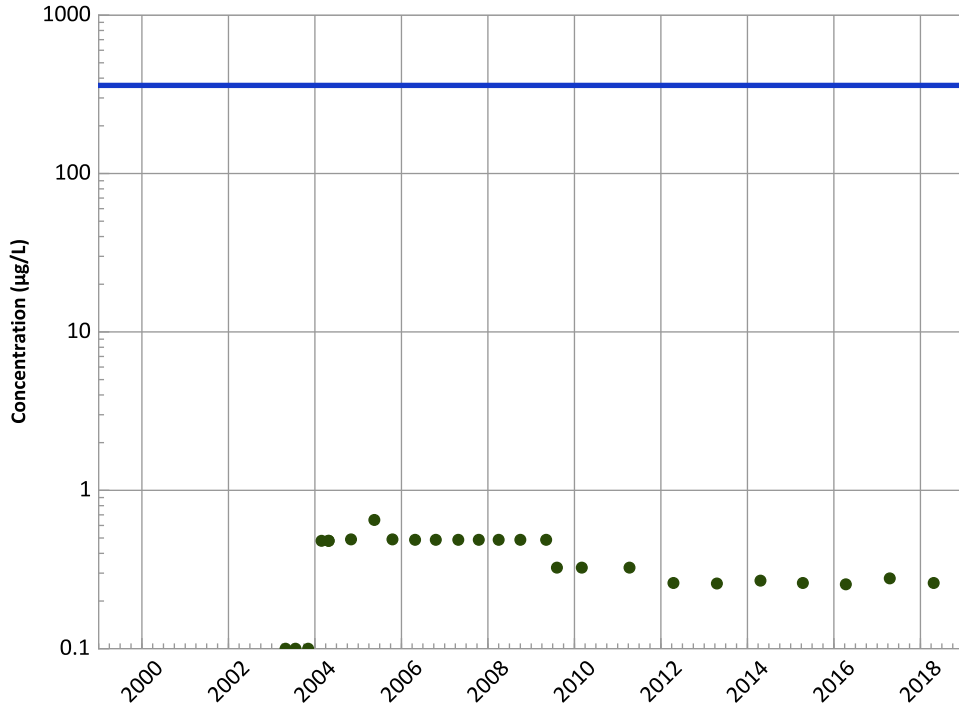
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

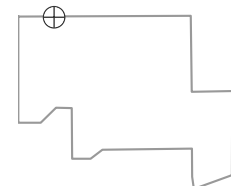
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

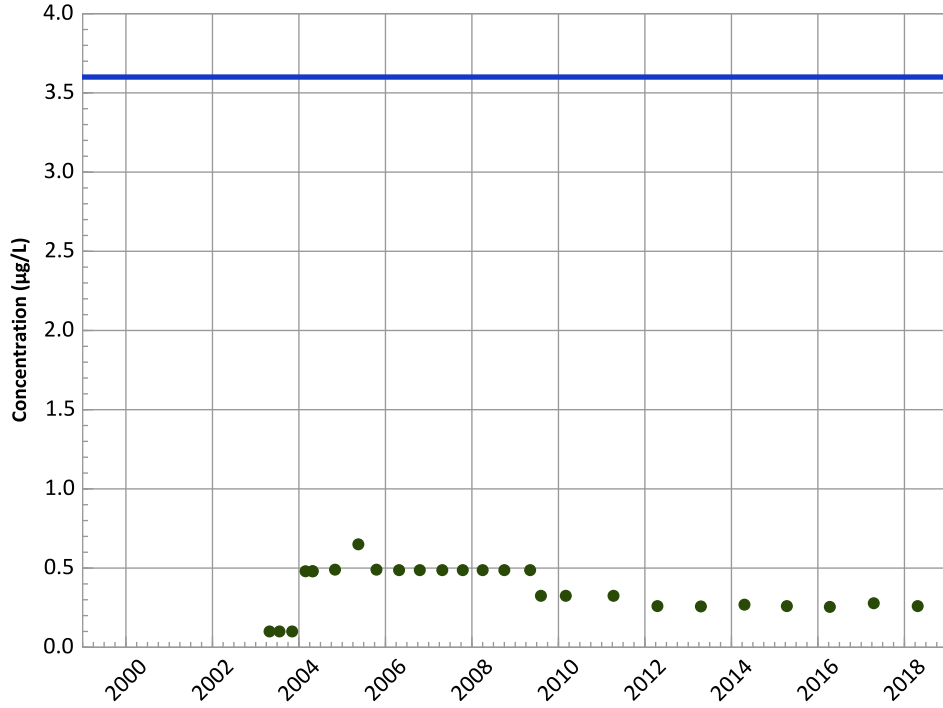
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

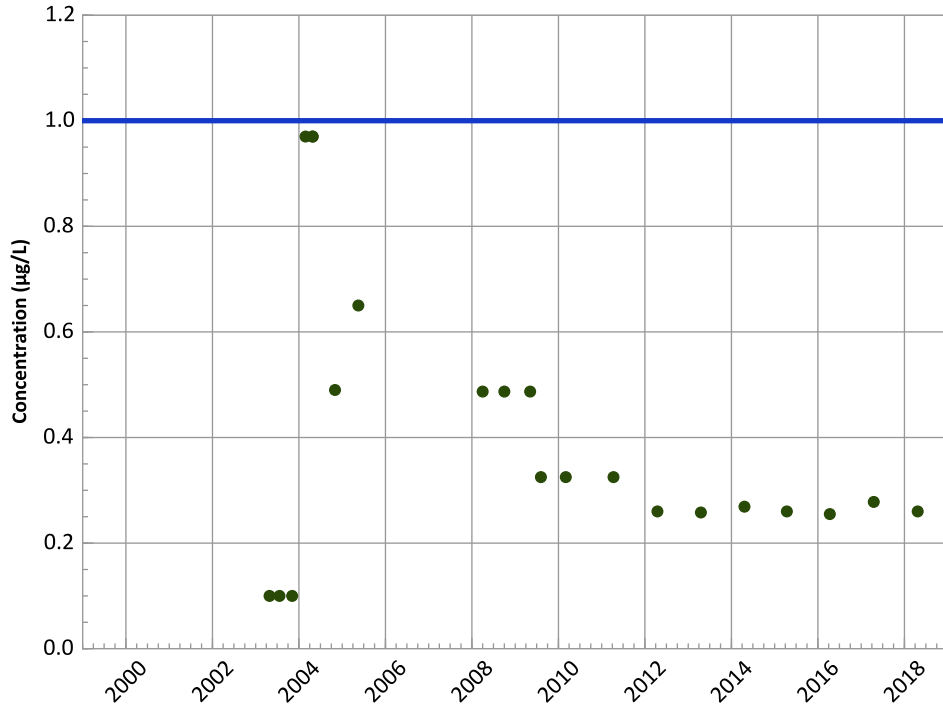
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

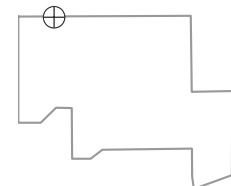
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

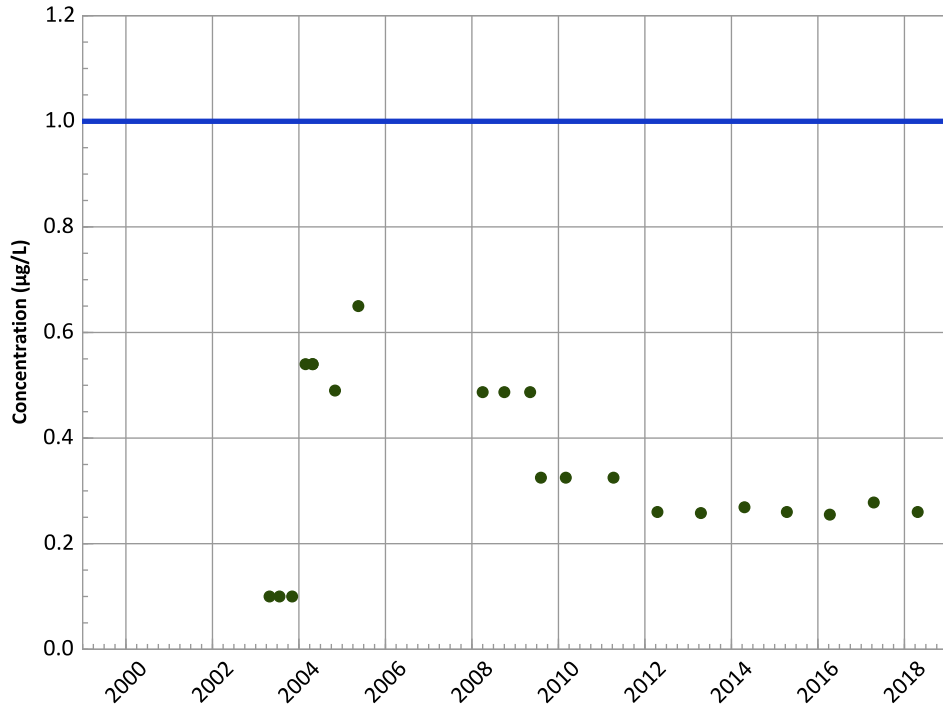
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend

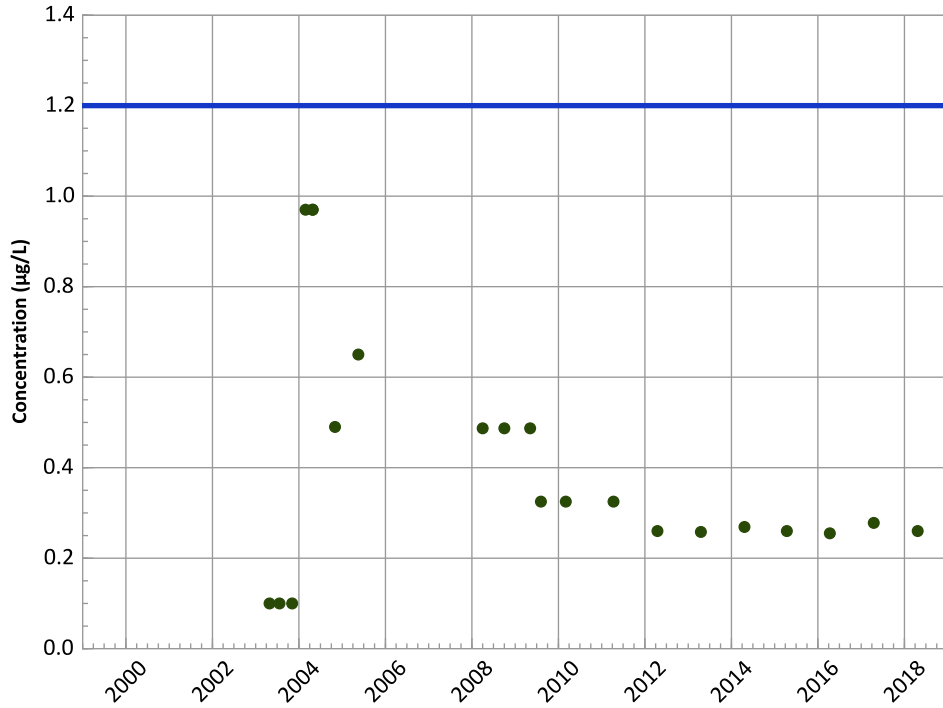


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

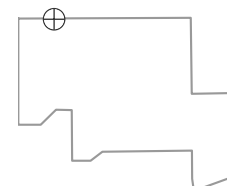
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

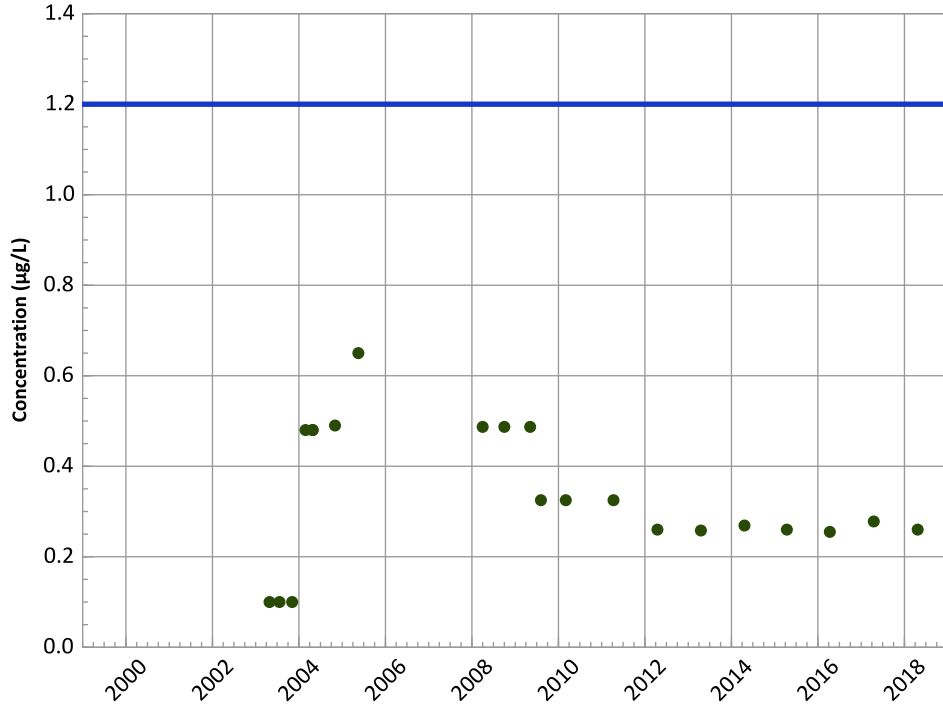
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

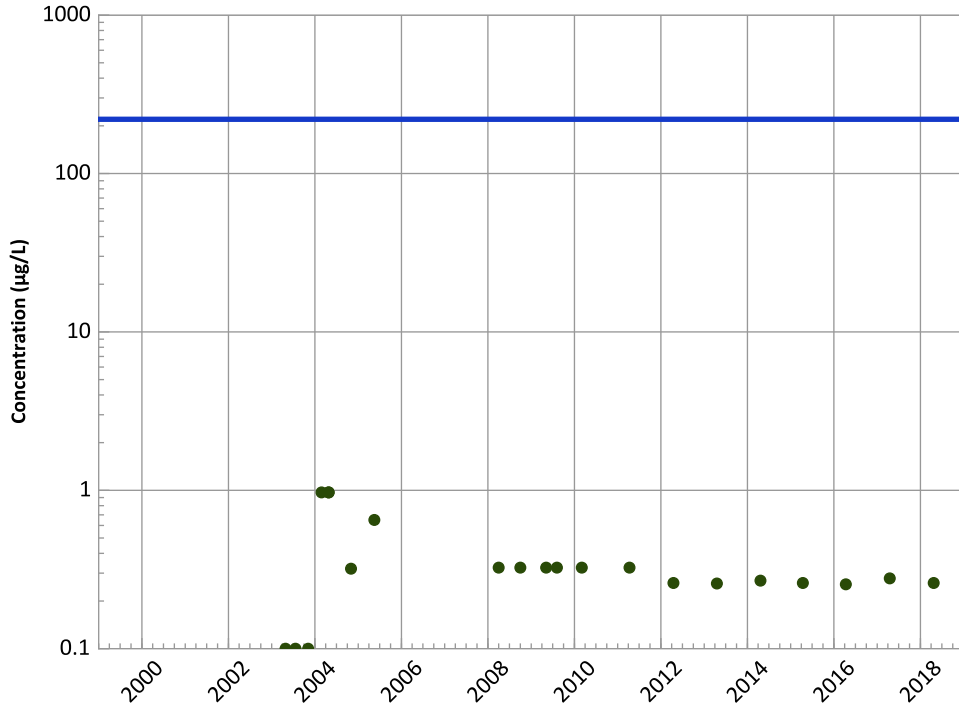
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

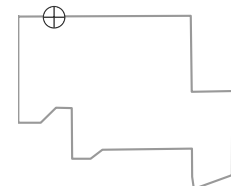
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

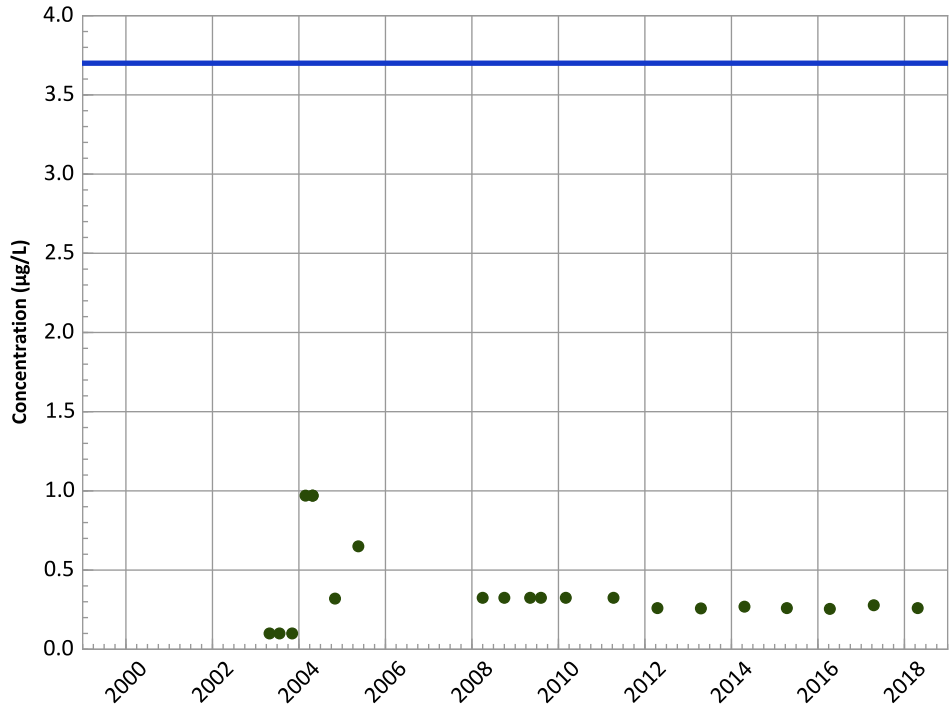
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

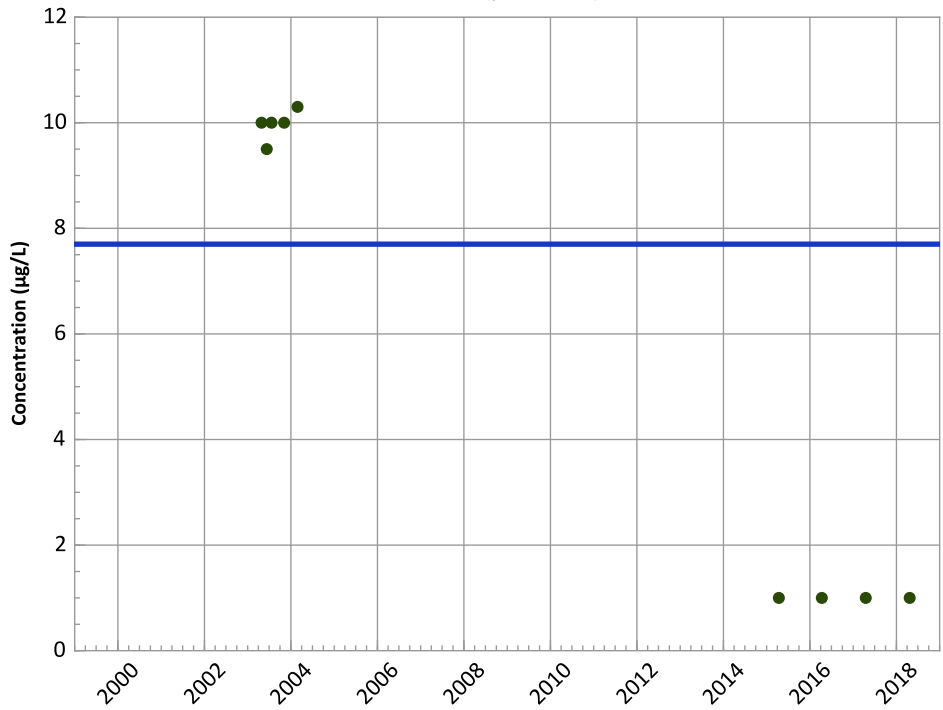
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Samples in Dataset)

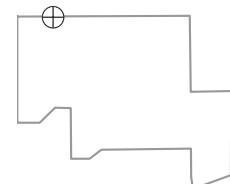
All Data:

All Non-Detect

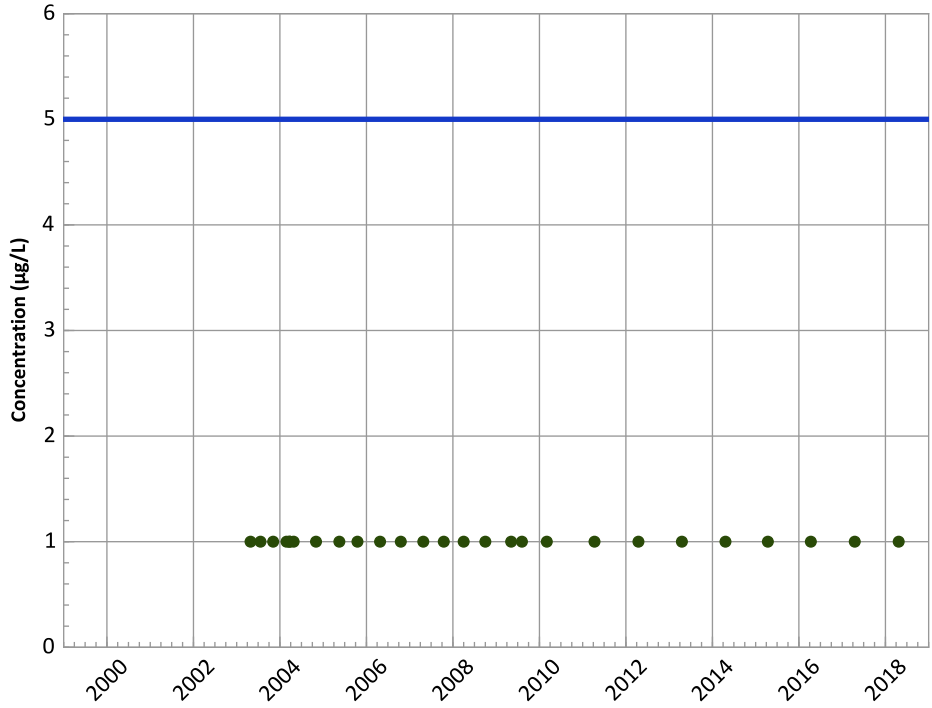
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

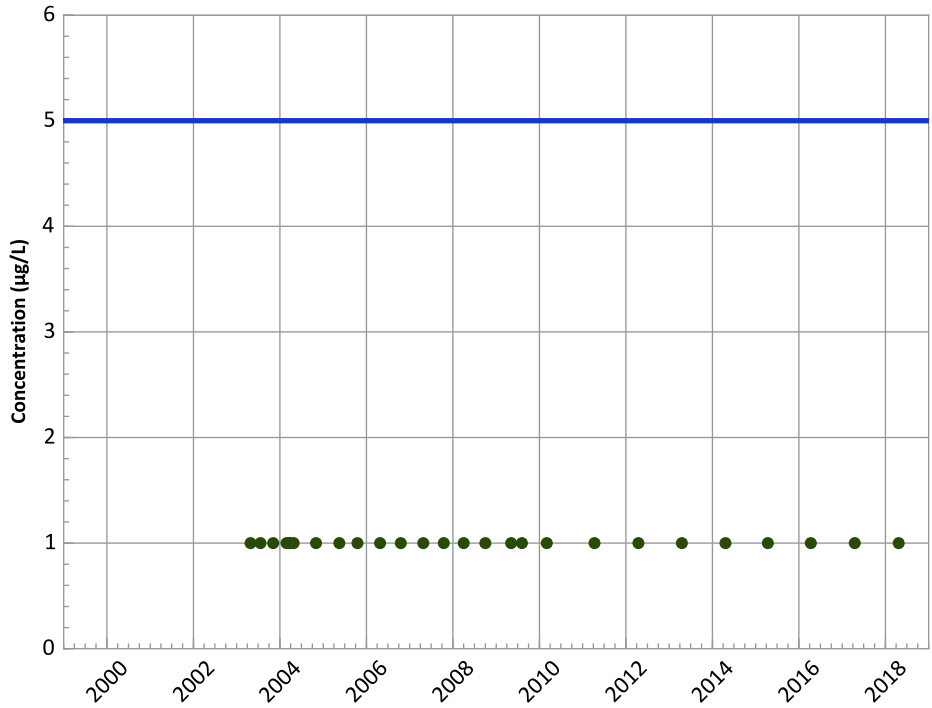
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

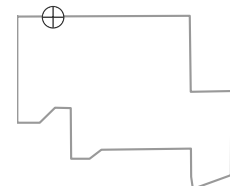
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

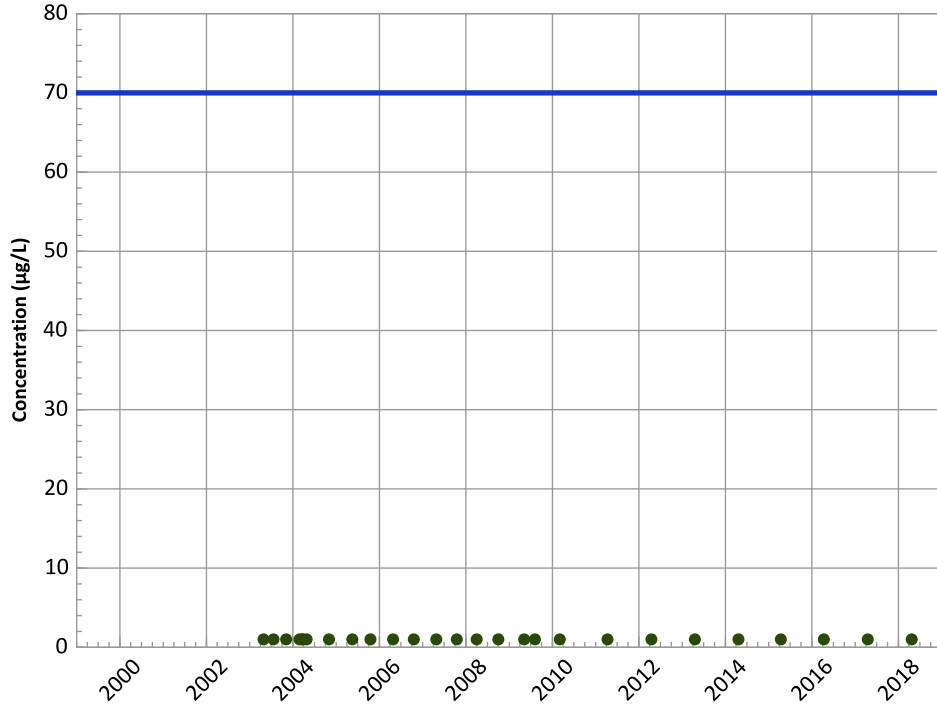
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

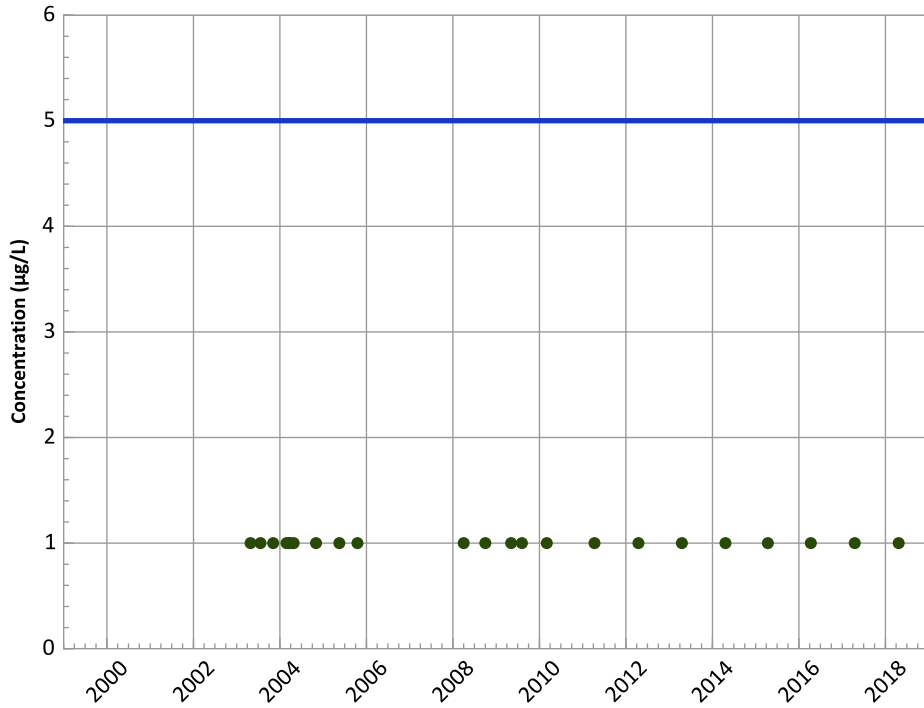
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

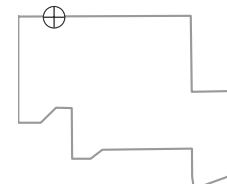
All Data:

All Non-Detect

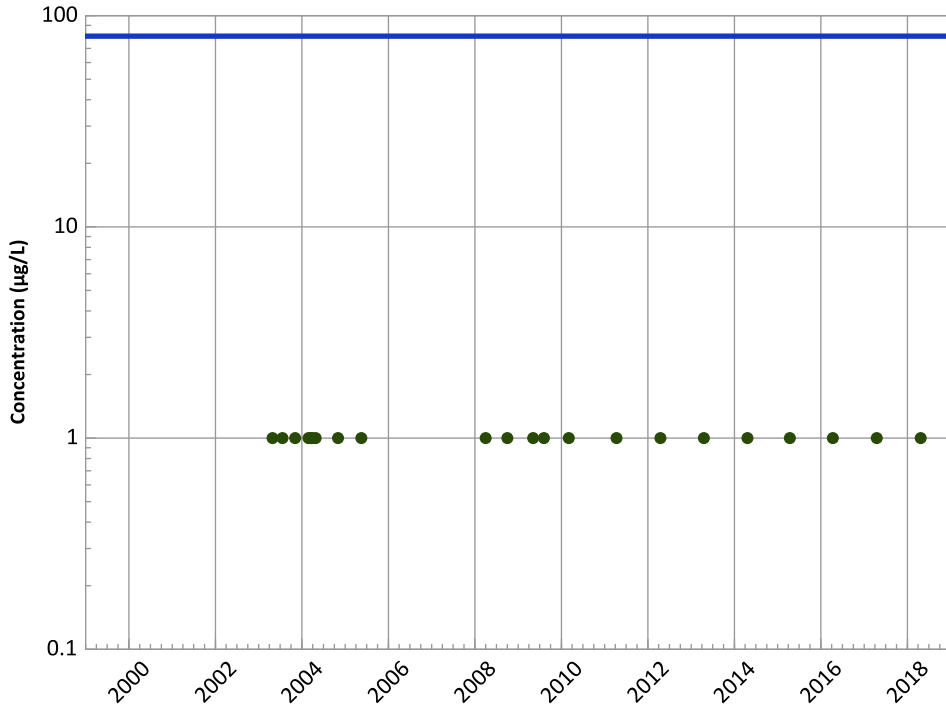
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

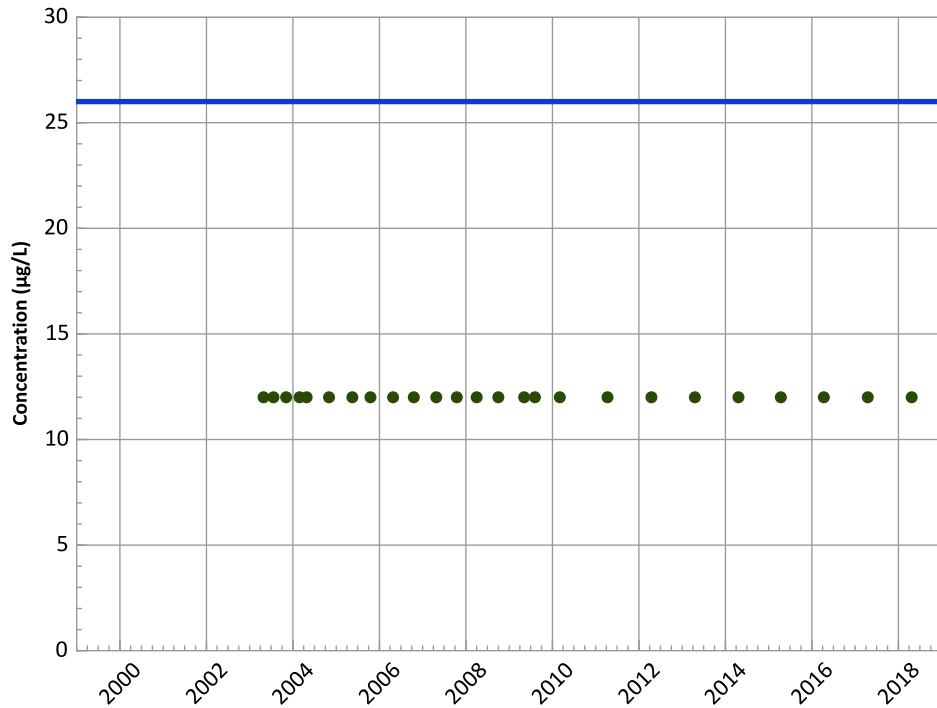


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend



Concentration Trend

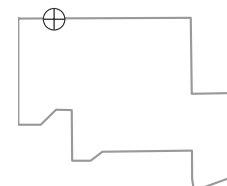
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

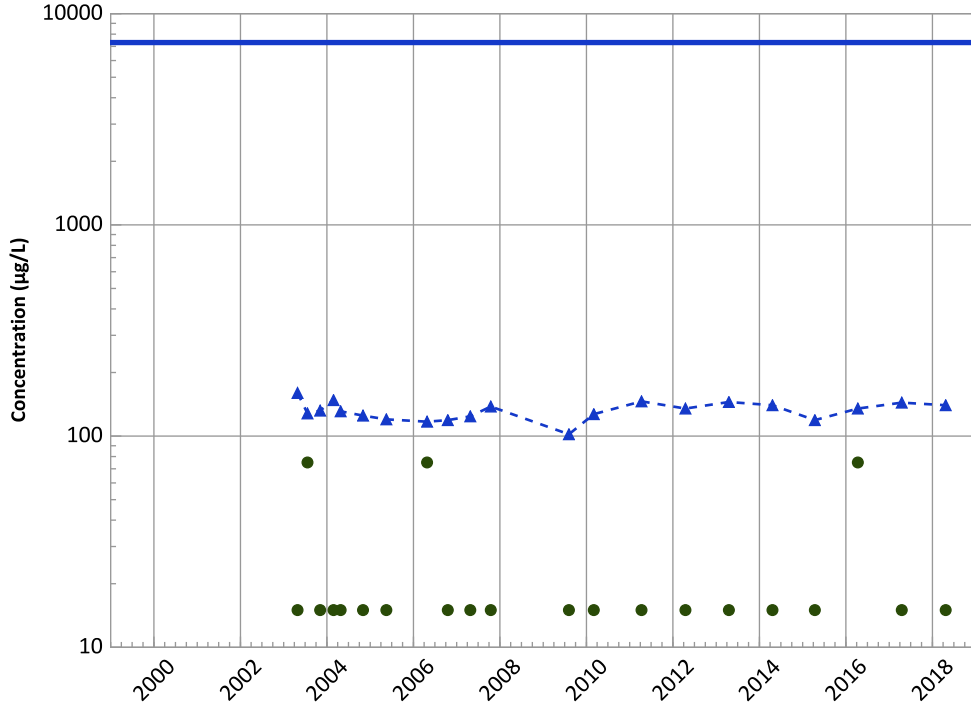
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1061 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

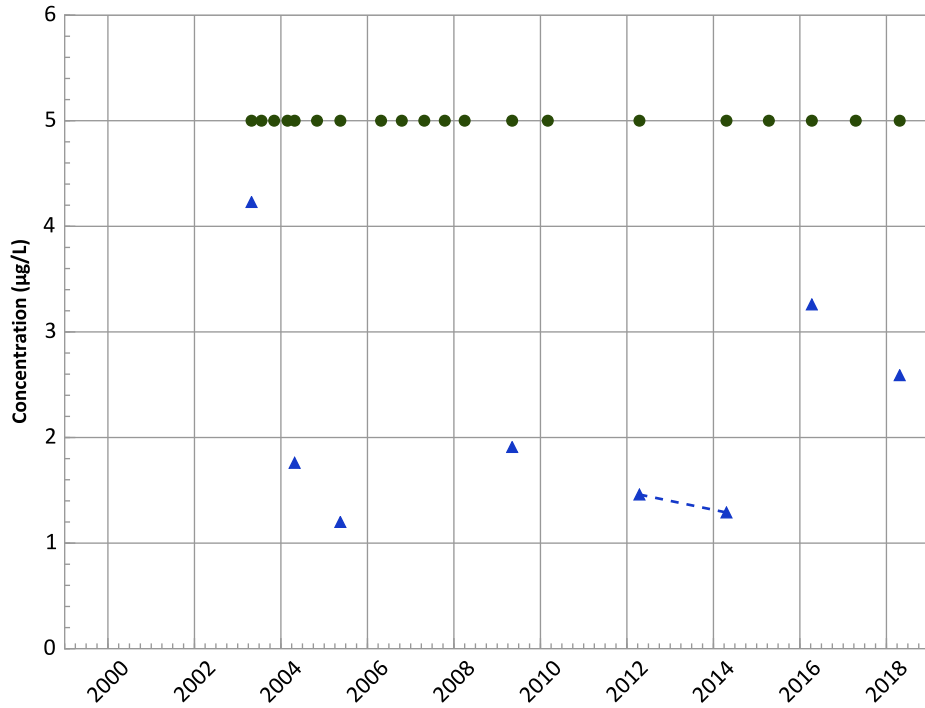
Data (2017 - 2021):

Stable

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

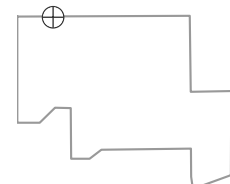
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Increasing

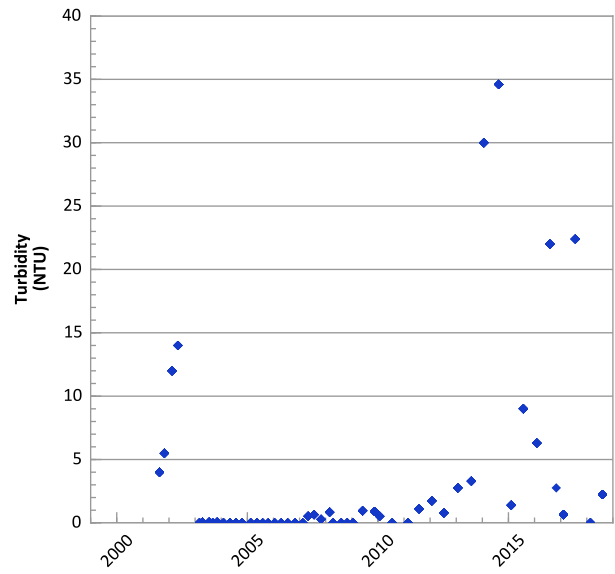
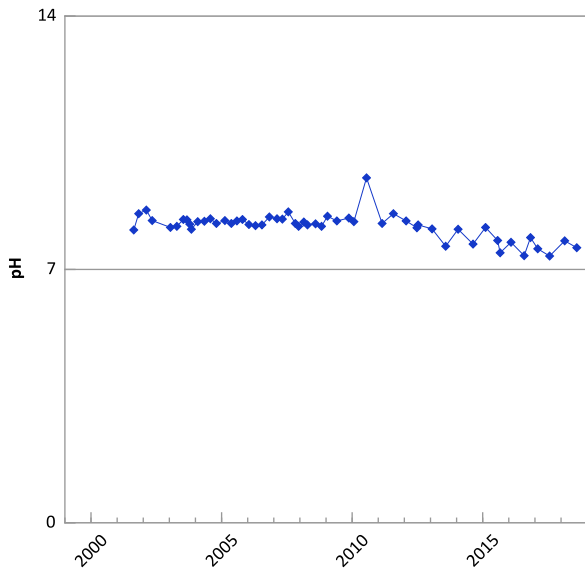
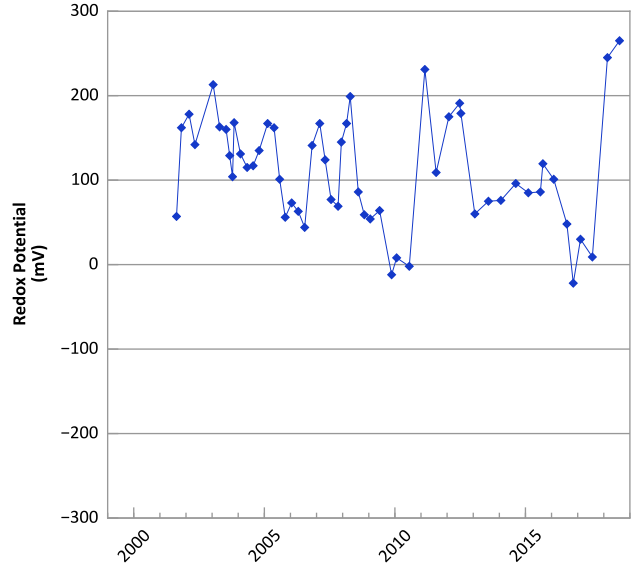
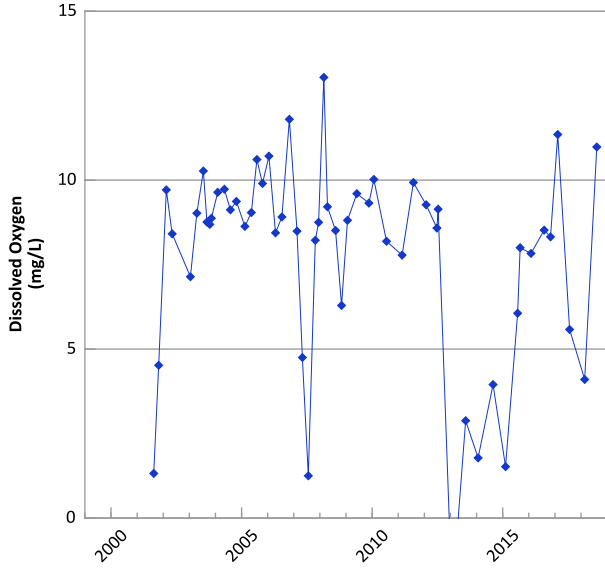
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/28/2003 to 04/23/2018
Analysis Date: 02/14/2019

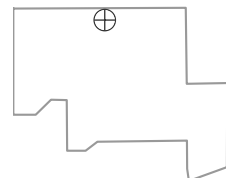
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



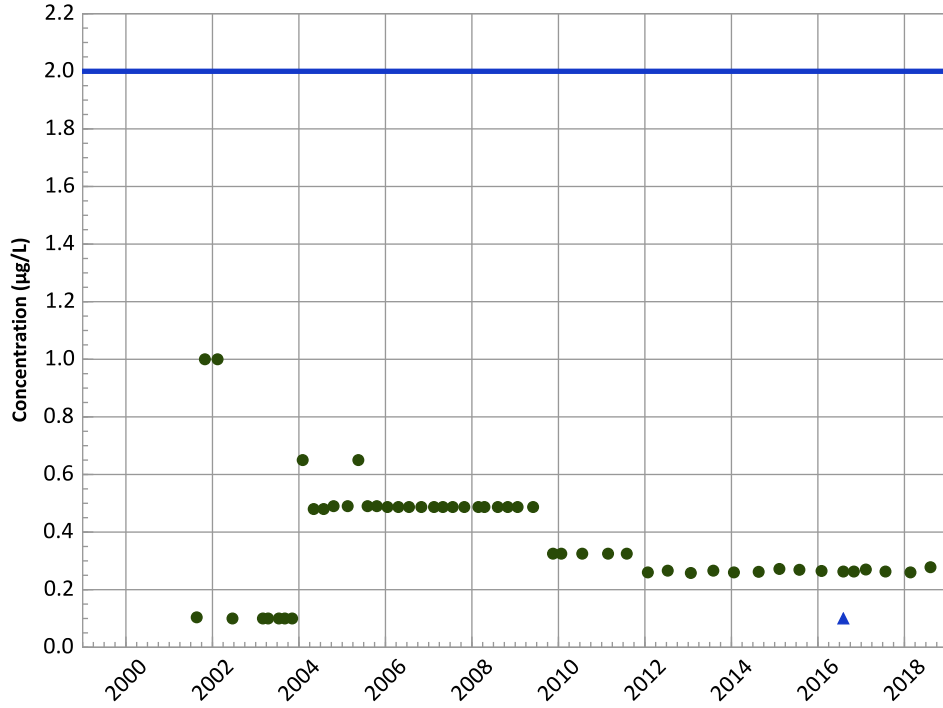
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

Well Location



PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

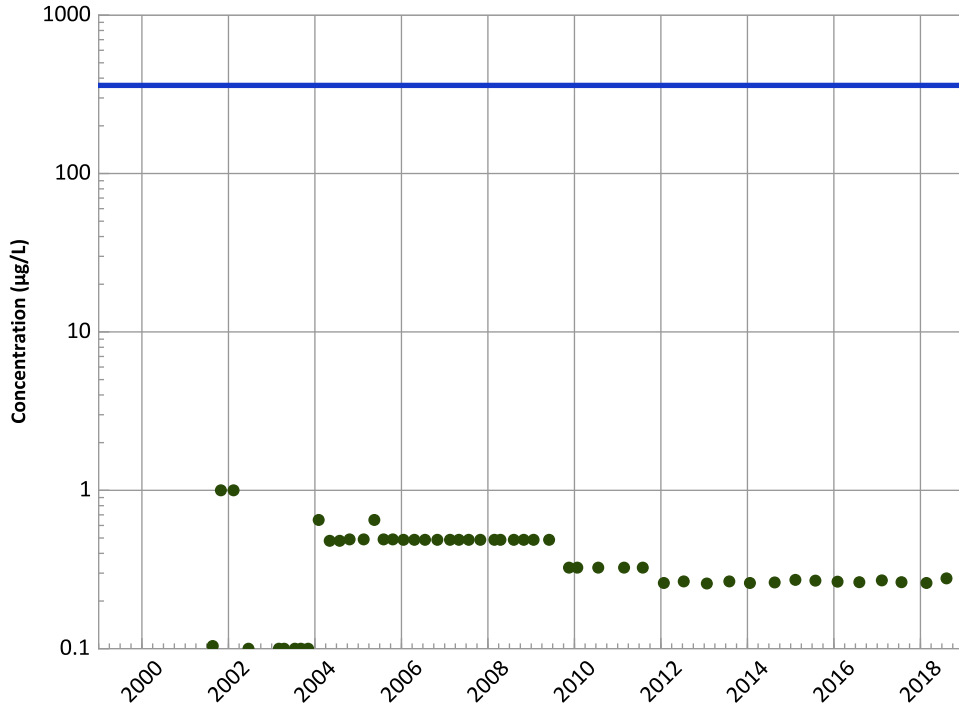


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

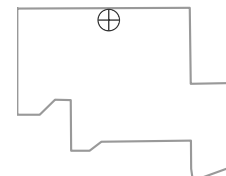
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

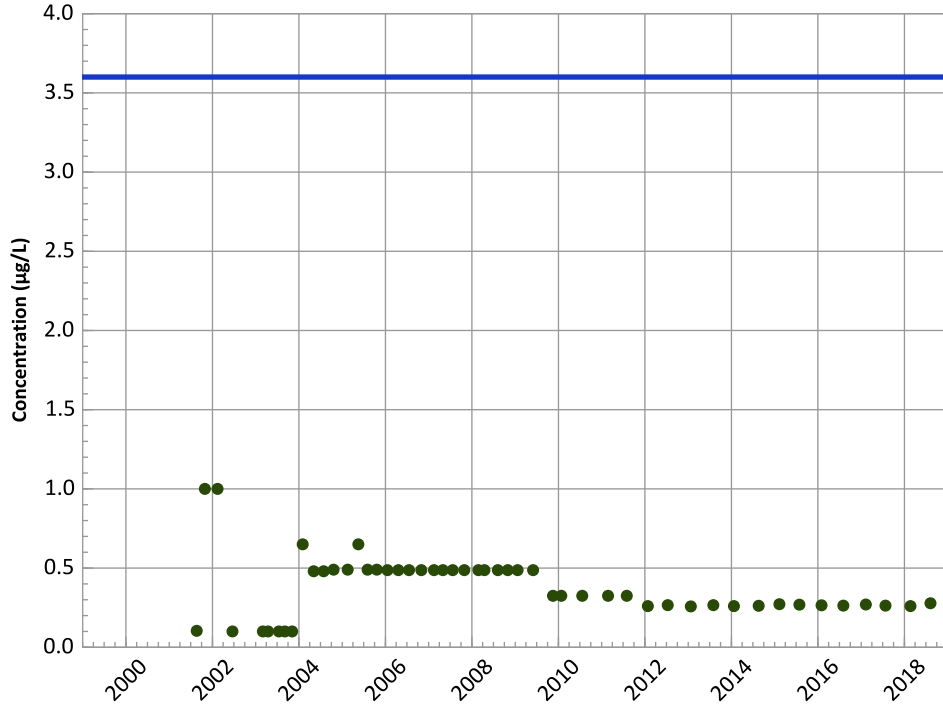
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

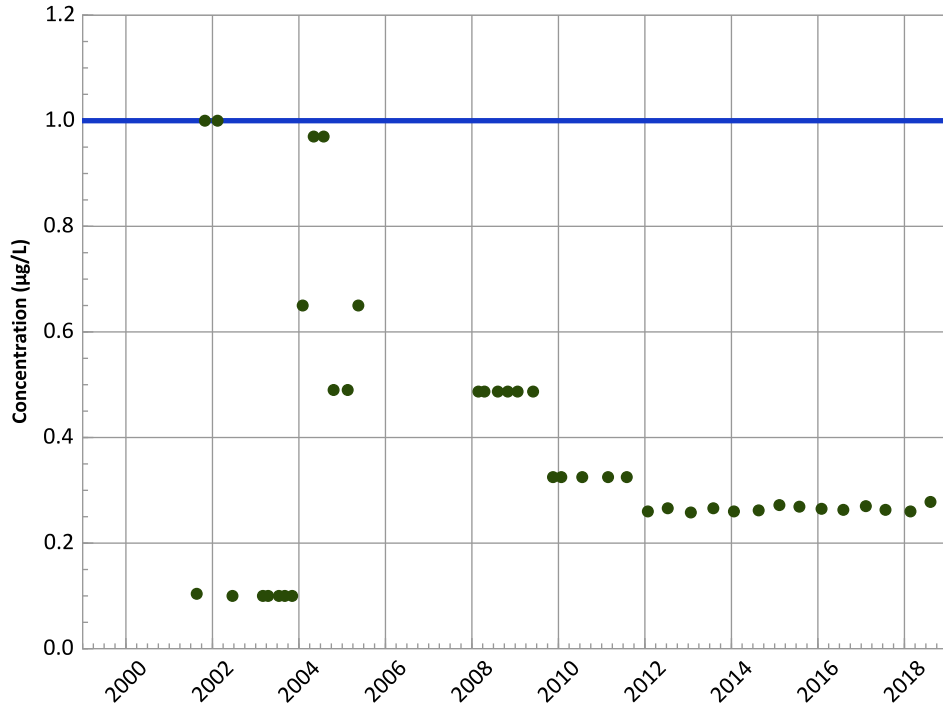
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

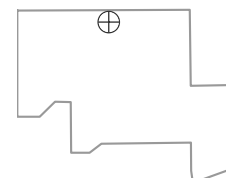
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

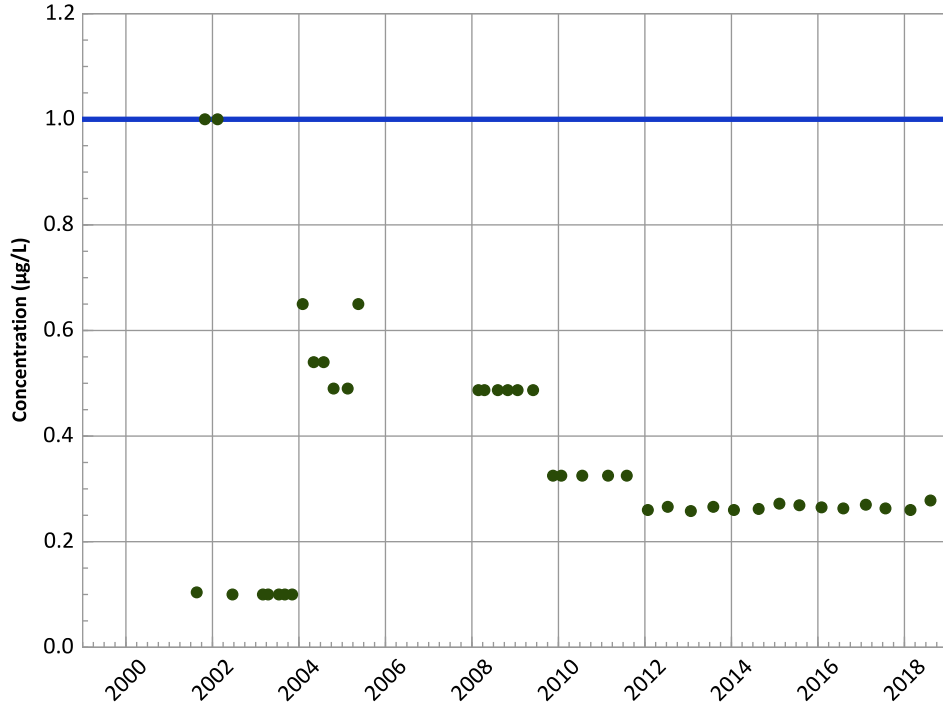
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

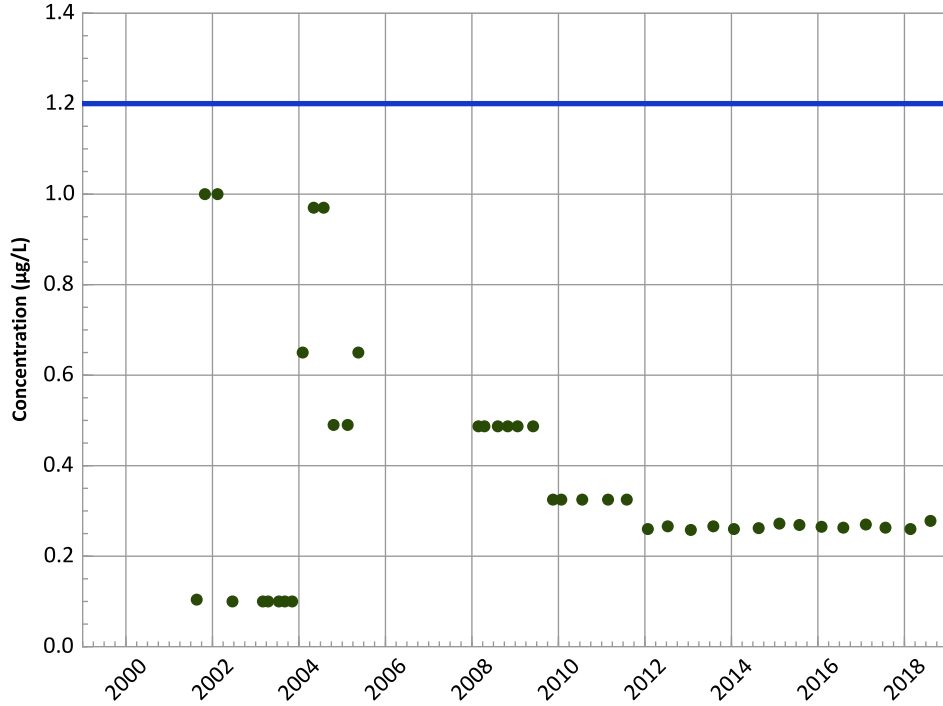
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

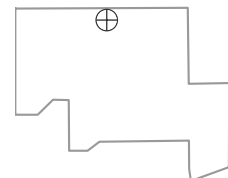
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

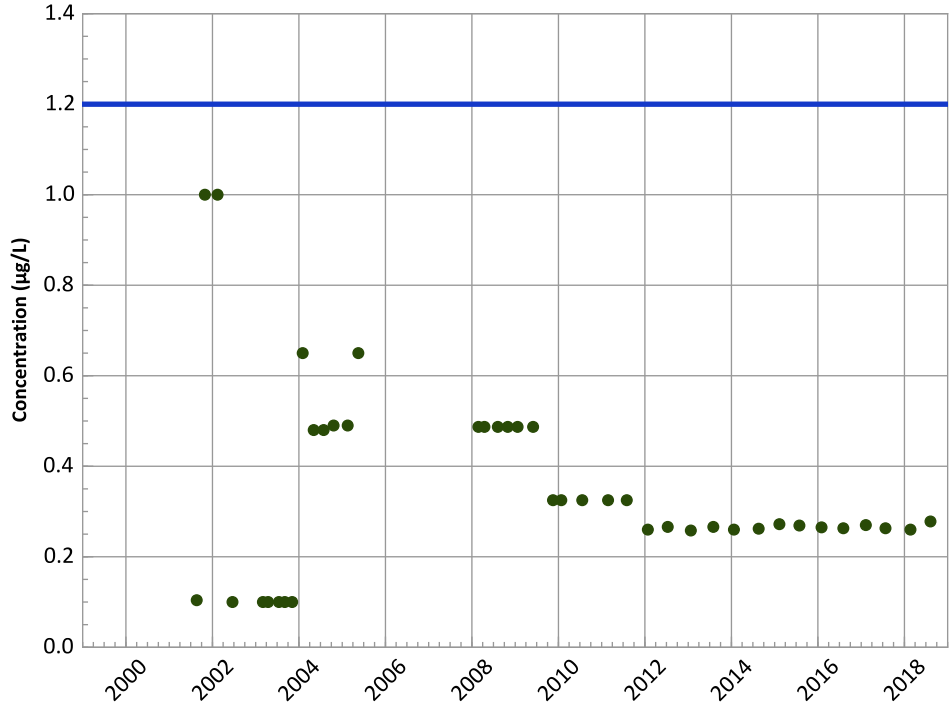
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

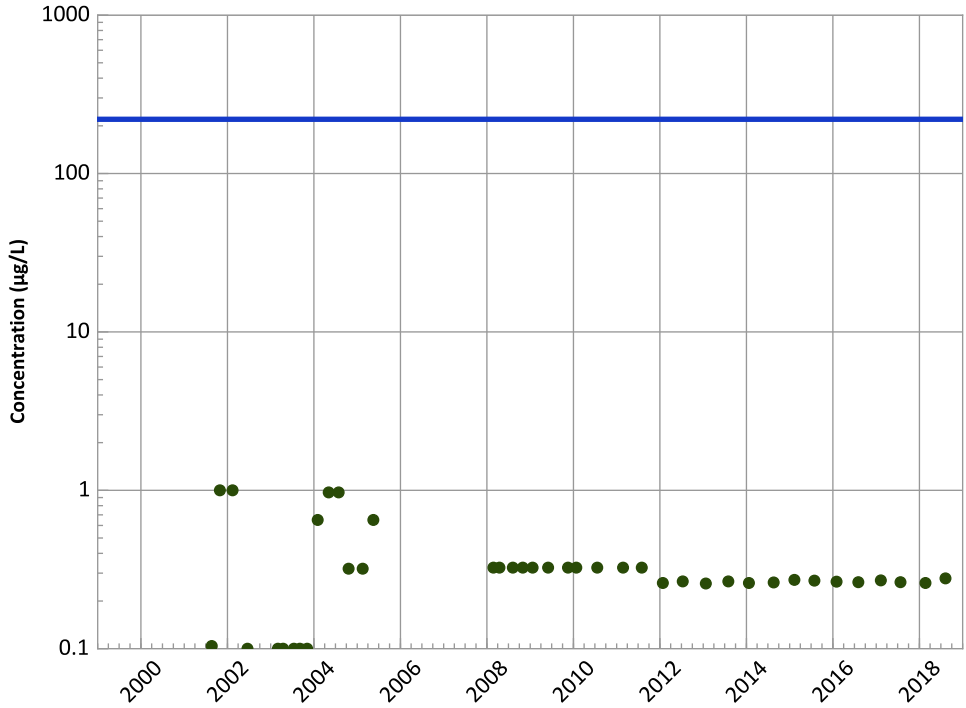
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

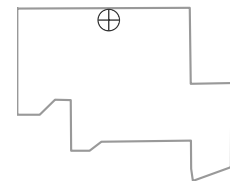
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

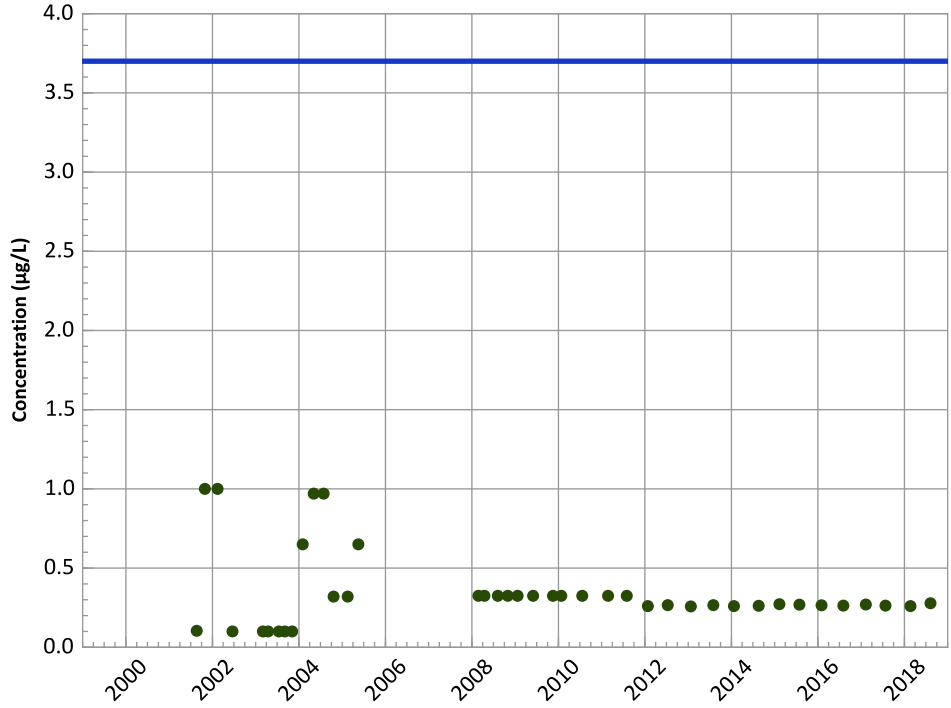


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

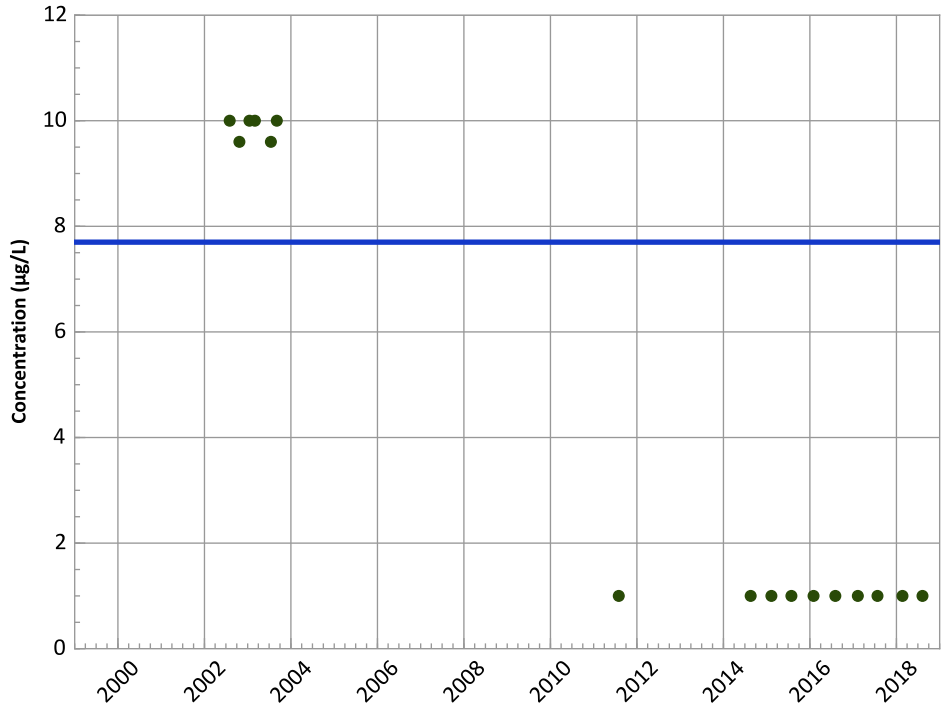
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

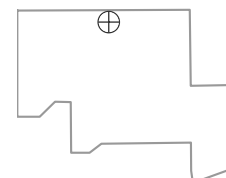
All Data:

All Non-Detect

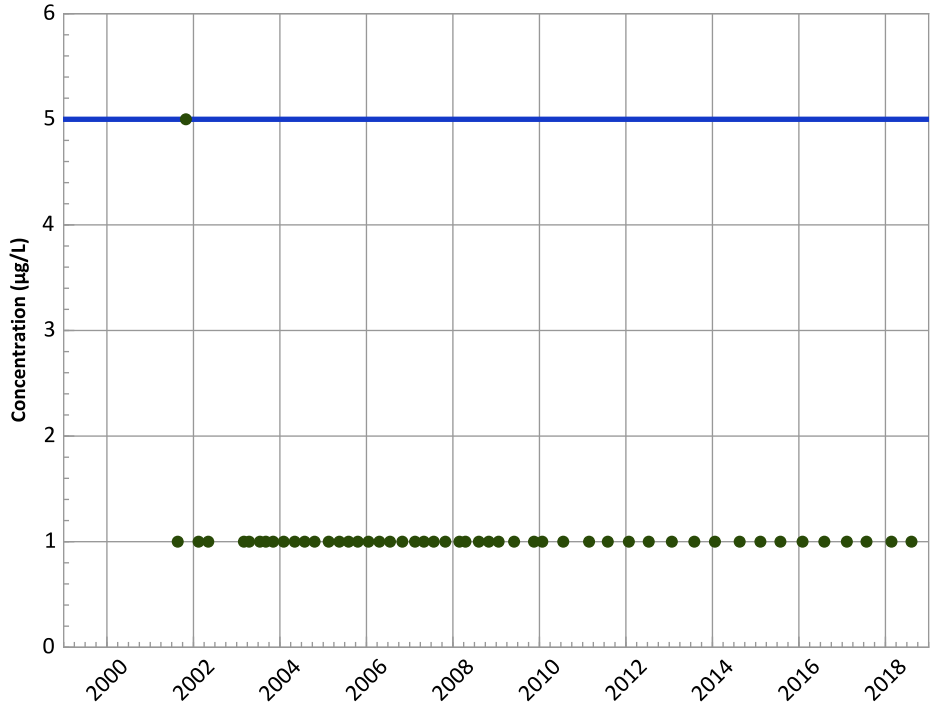
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

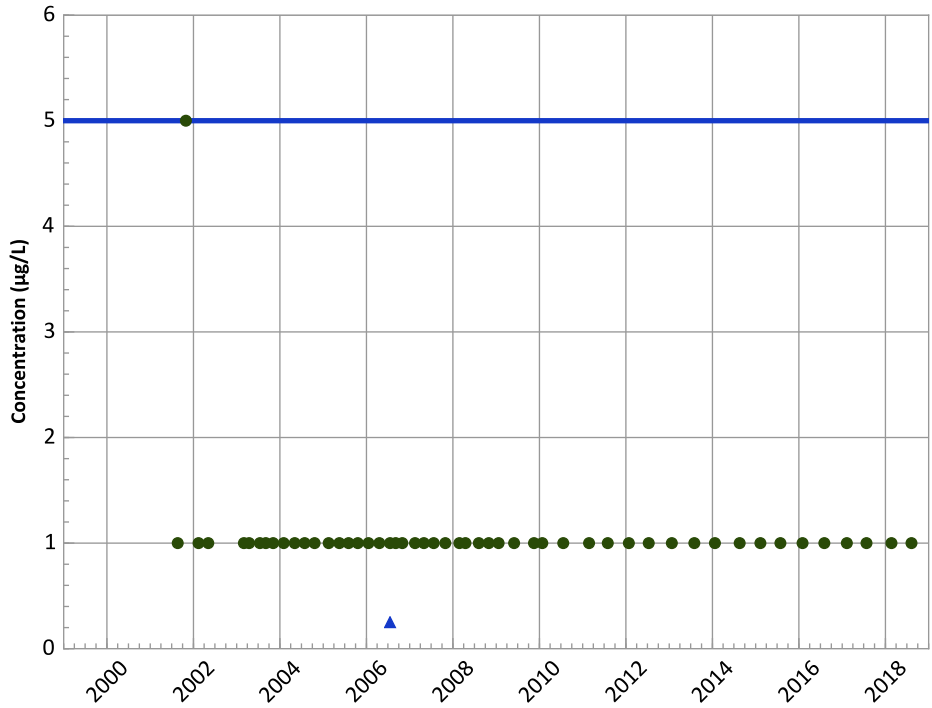
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

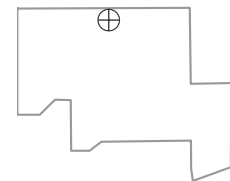
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

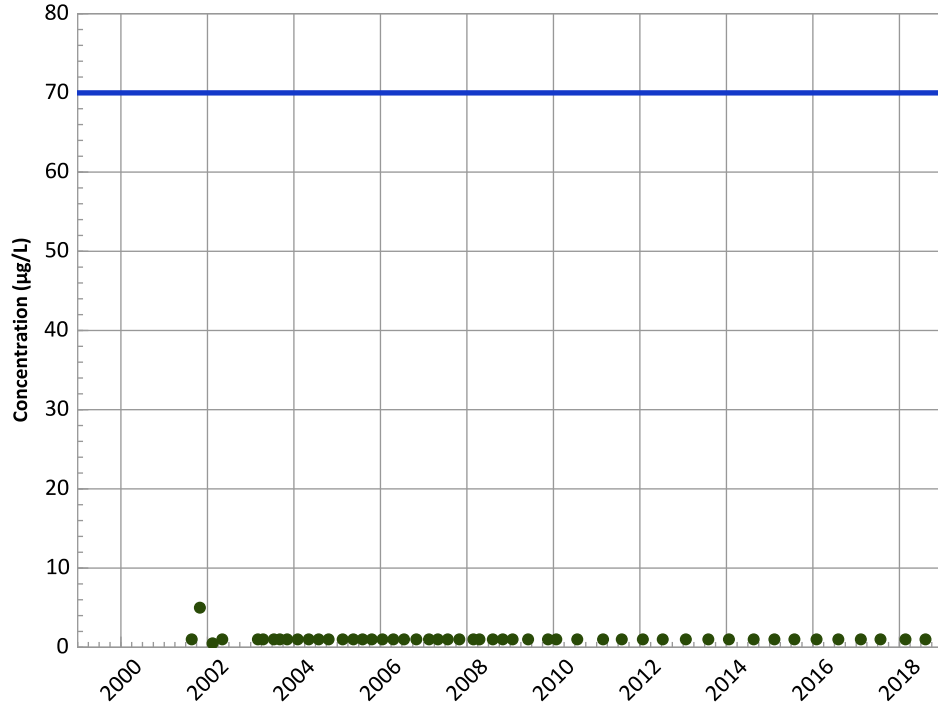


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

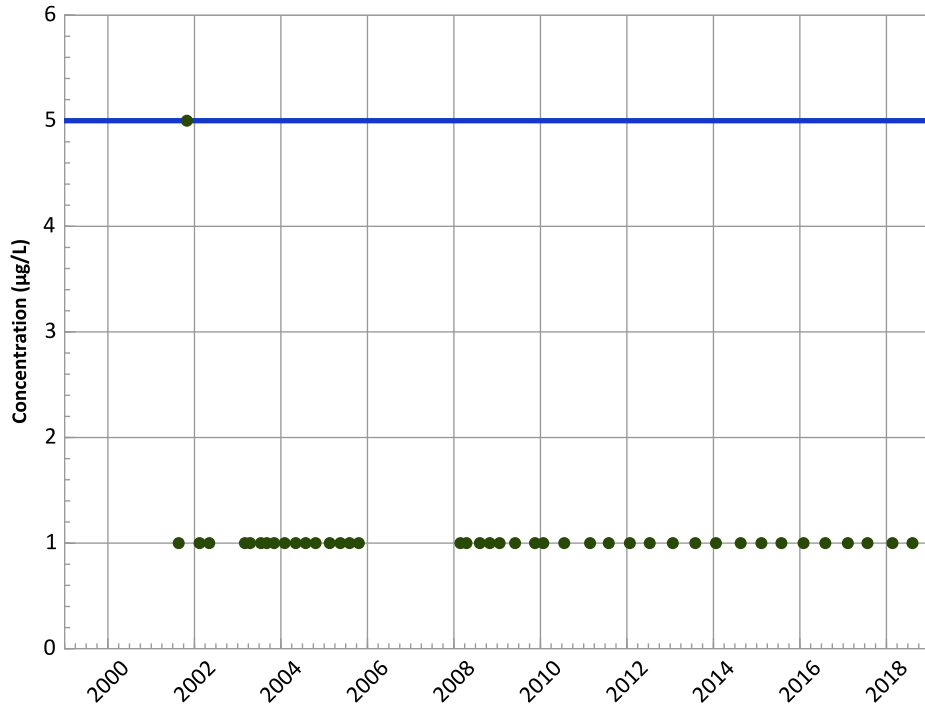
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

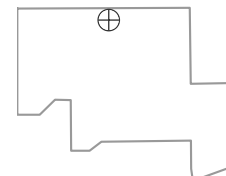
All Data:

All Non-Detect

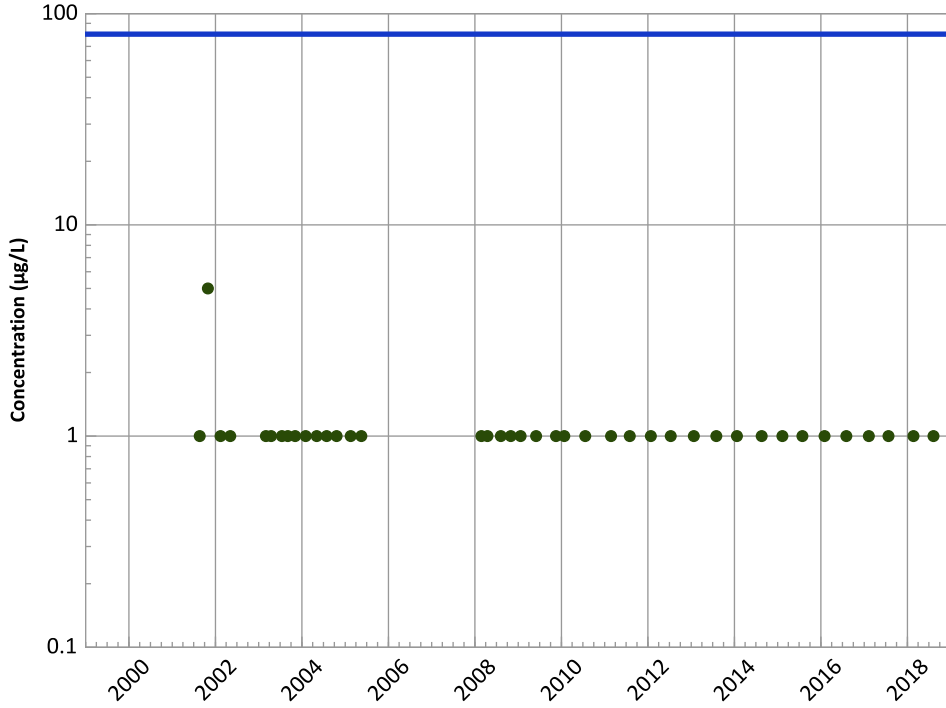
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1062A in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend

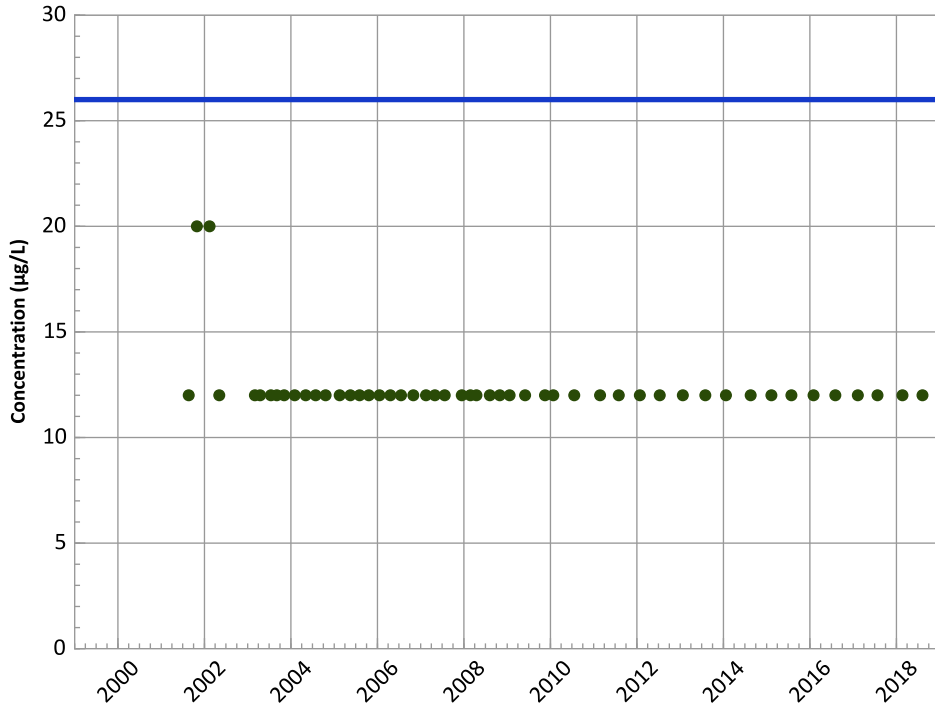


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

Perchlorate Trend

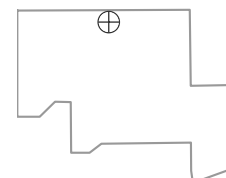


Concentration Trend

MAROS Mann-Kendall Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

MAROS Linear Regression Method
 Data (2017 - 2021):
 All Non-Detect
 All Data:
 All Non-Detect

Well Location

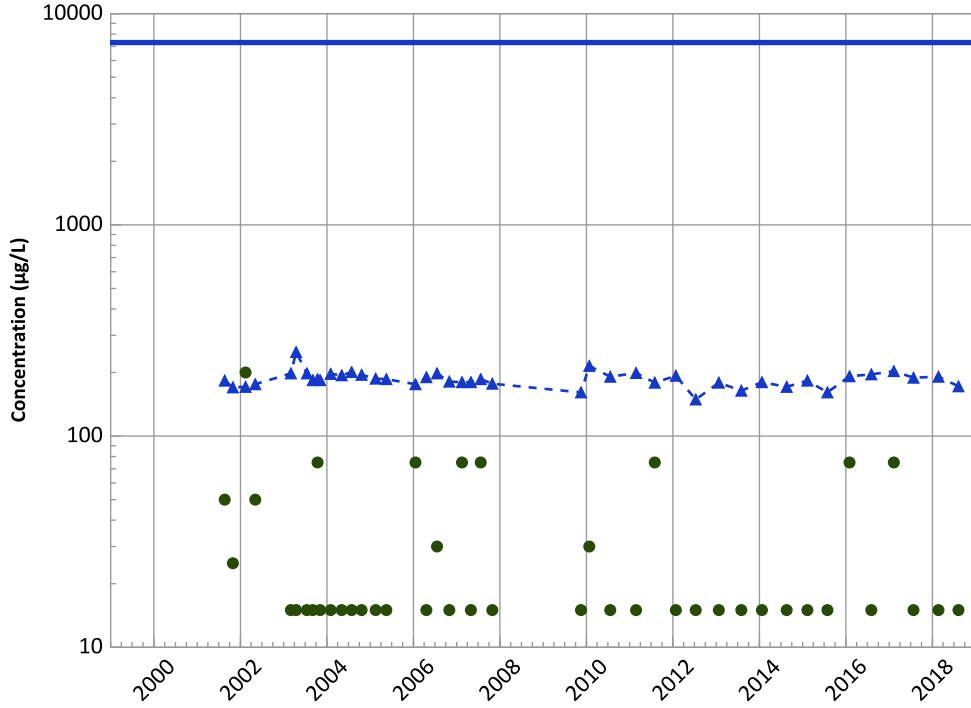


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/21/2001 to 08/09/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1062A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

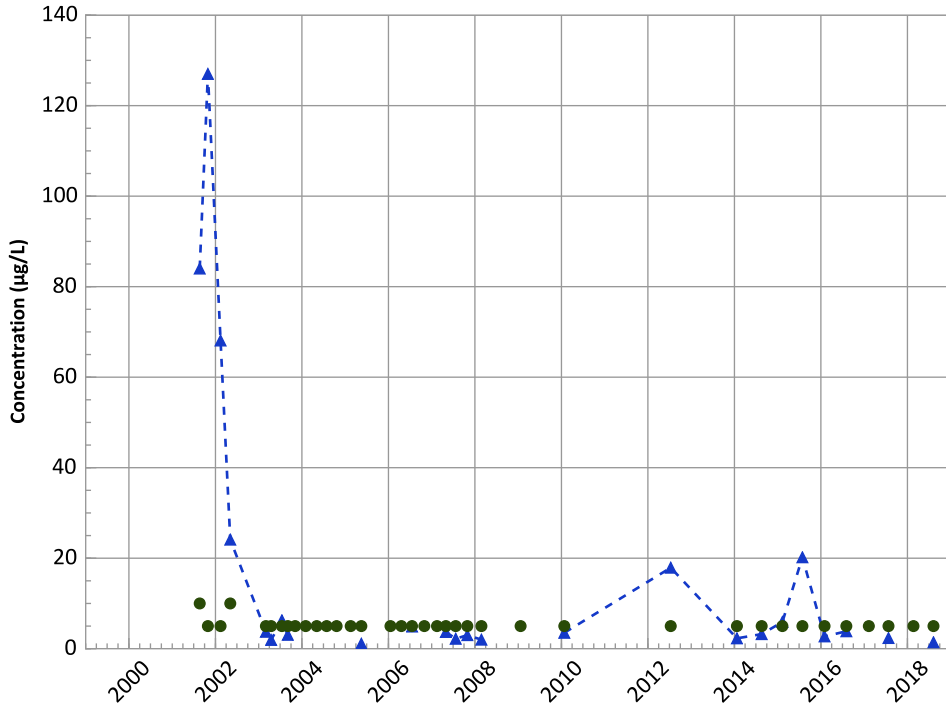
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

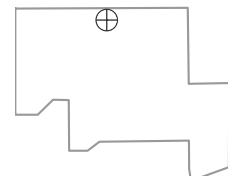
All Data:

Decreasing

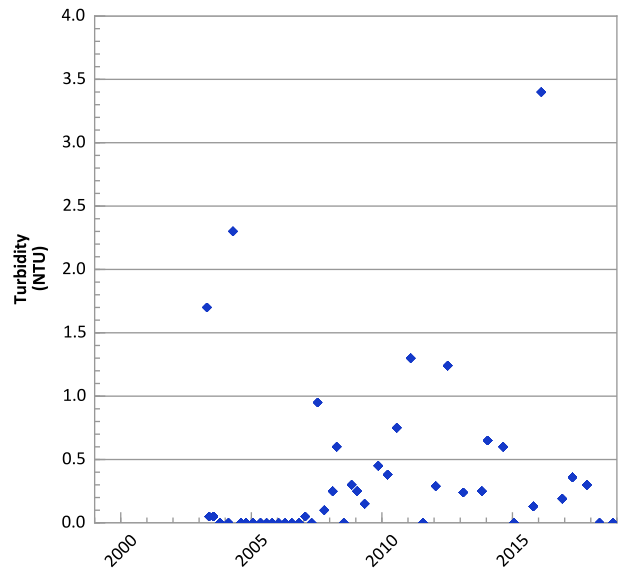
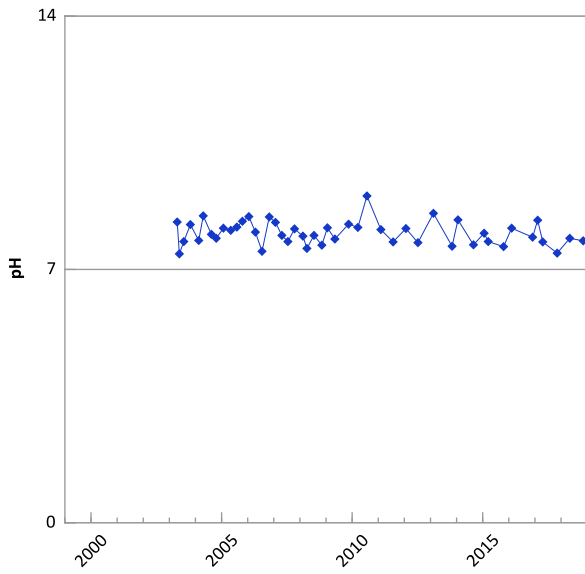
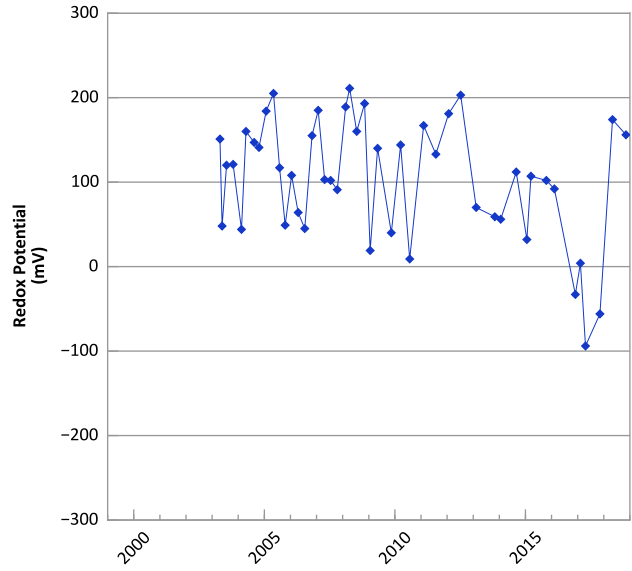
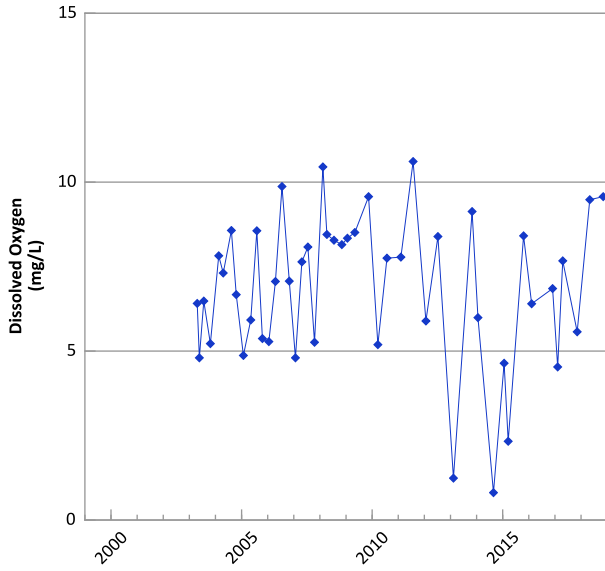
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/21/2001 to 08/09/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

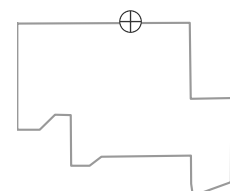


PTX06-1064 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



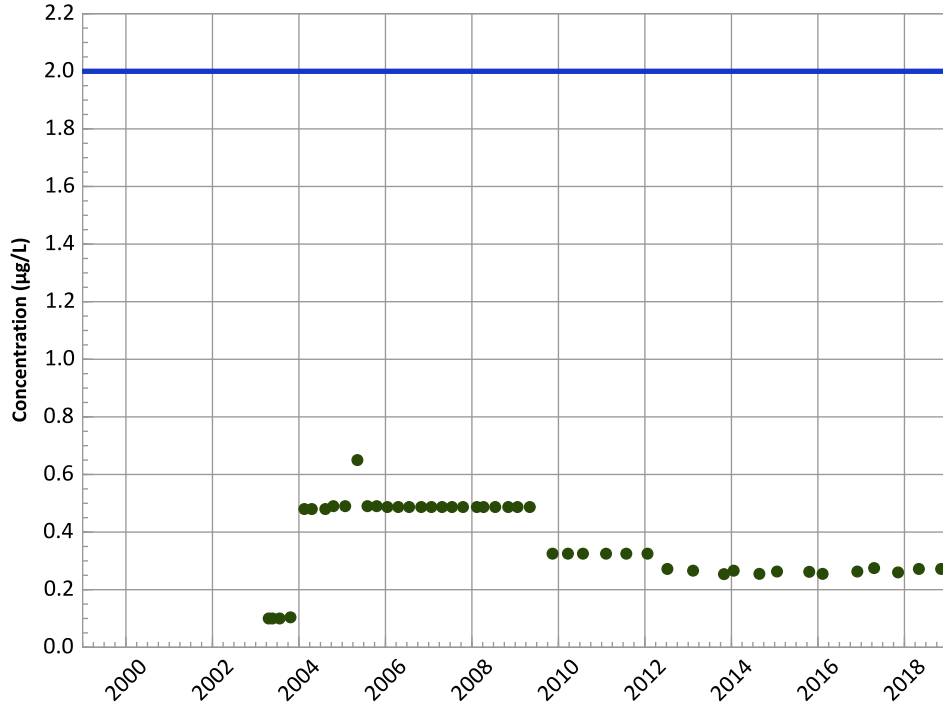
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 04/21/2003 to 11/07/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

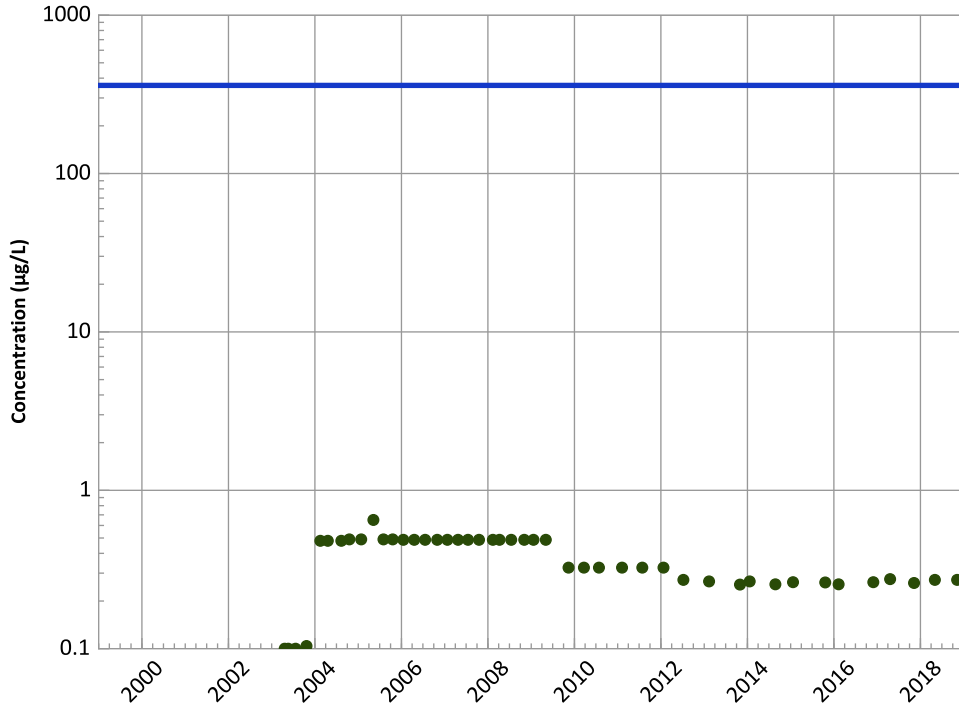
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

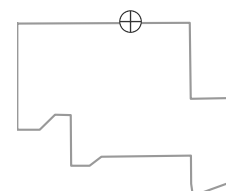
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

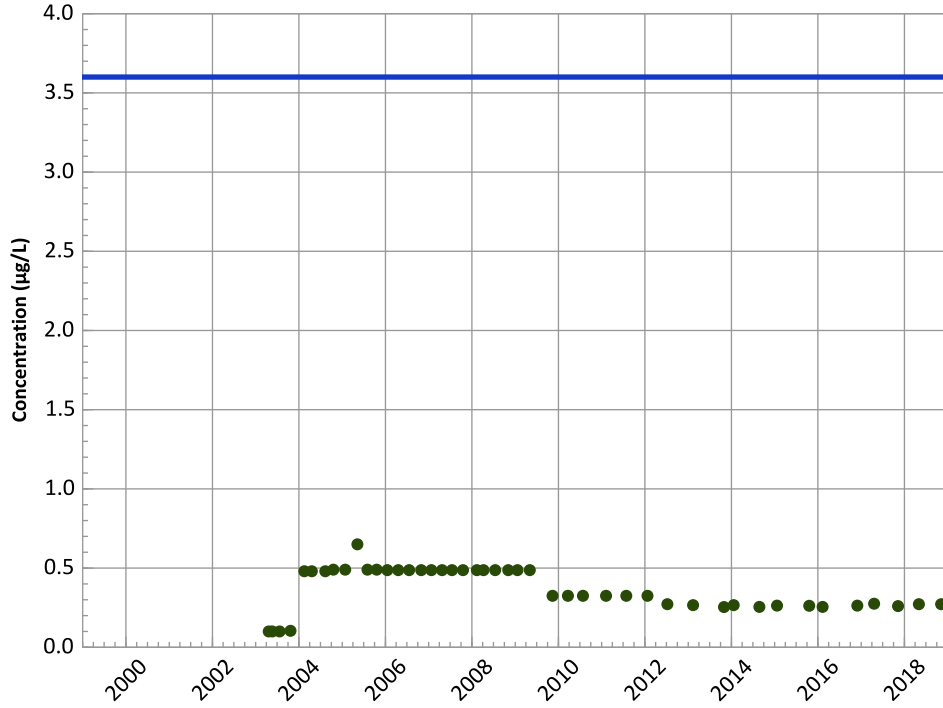
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

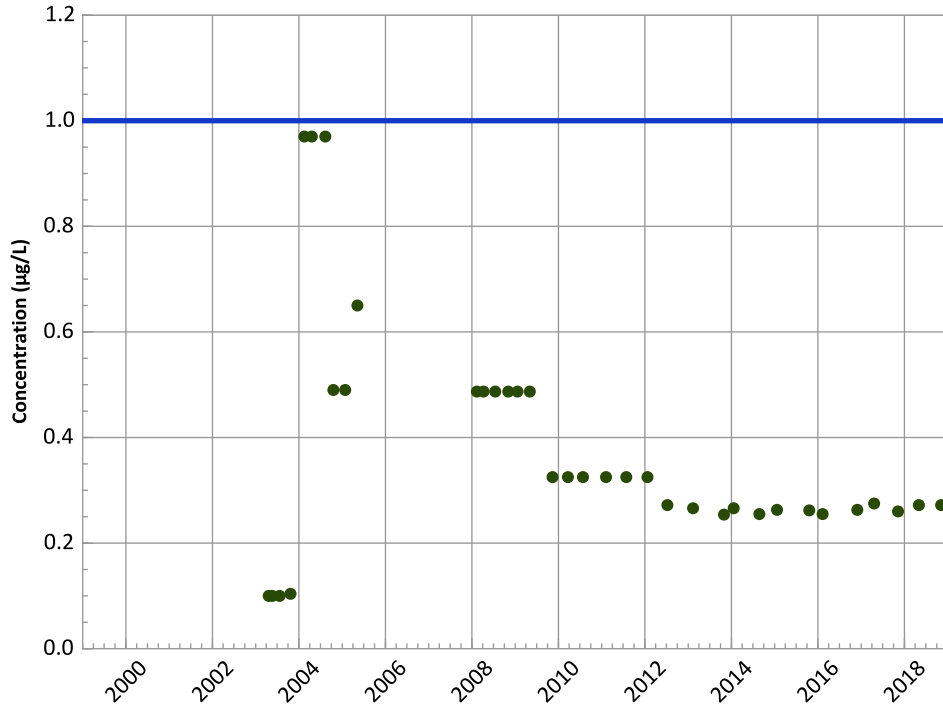
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

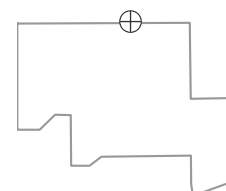
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

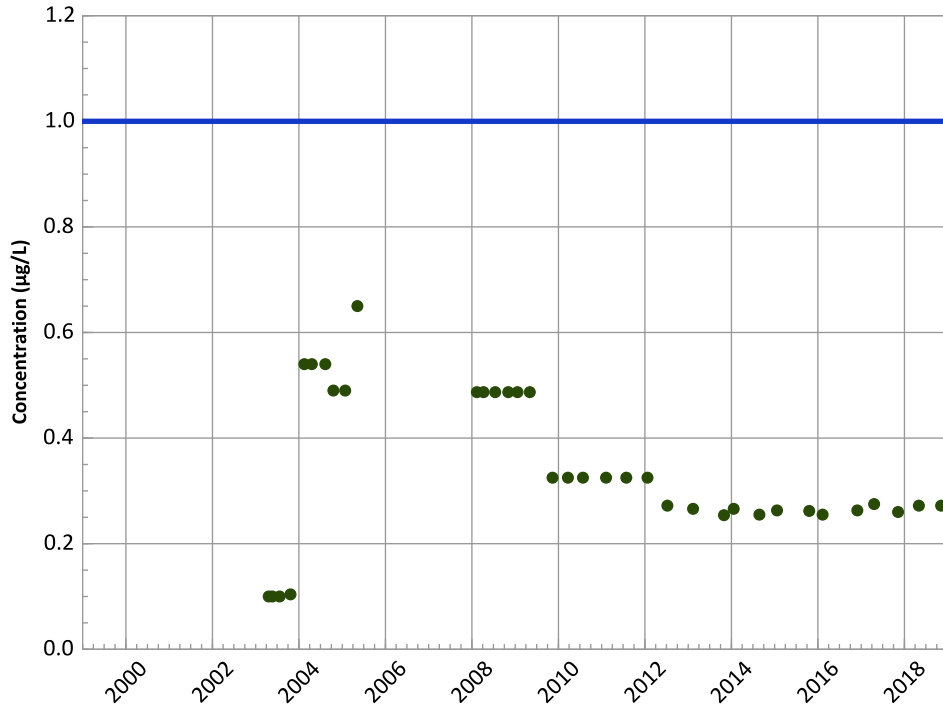
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

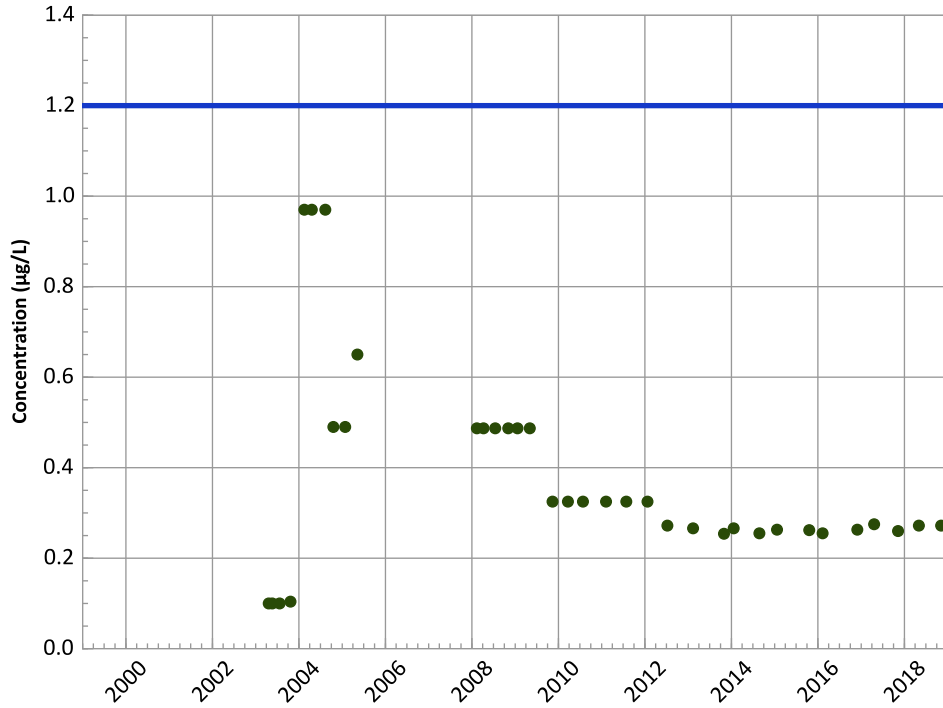
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

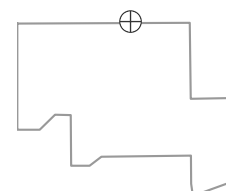
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

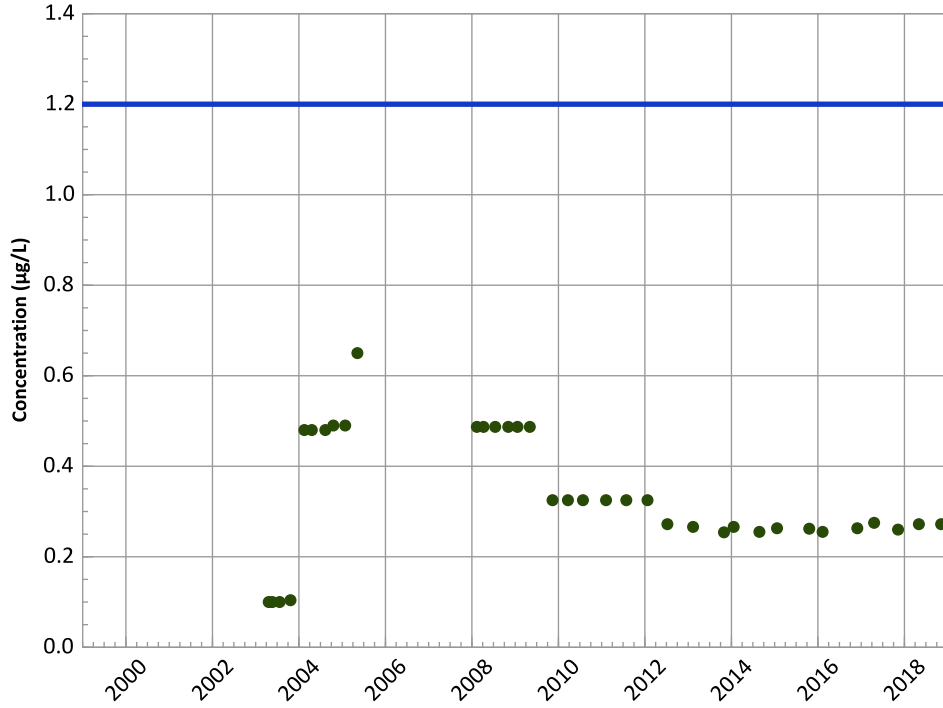
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

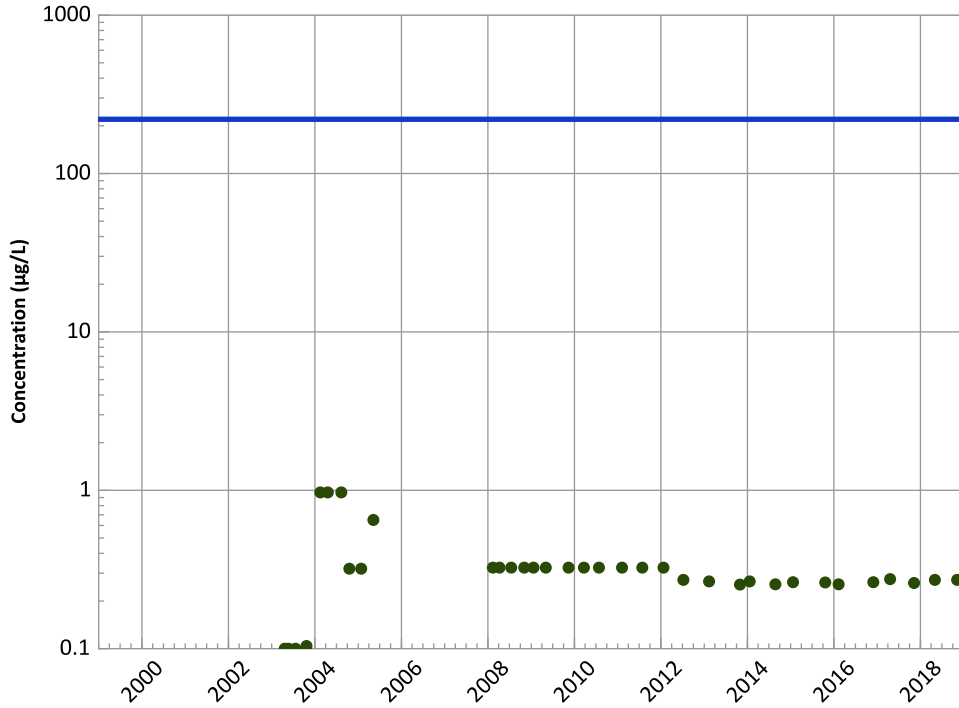
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

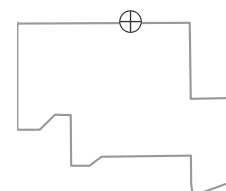
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

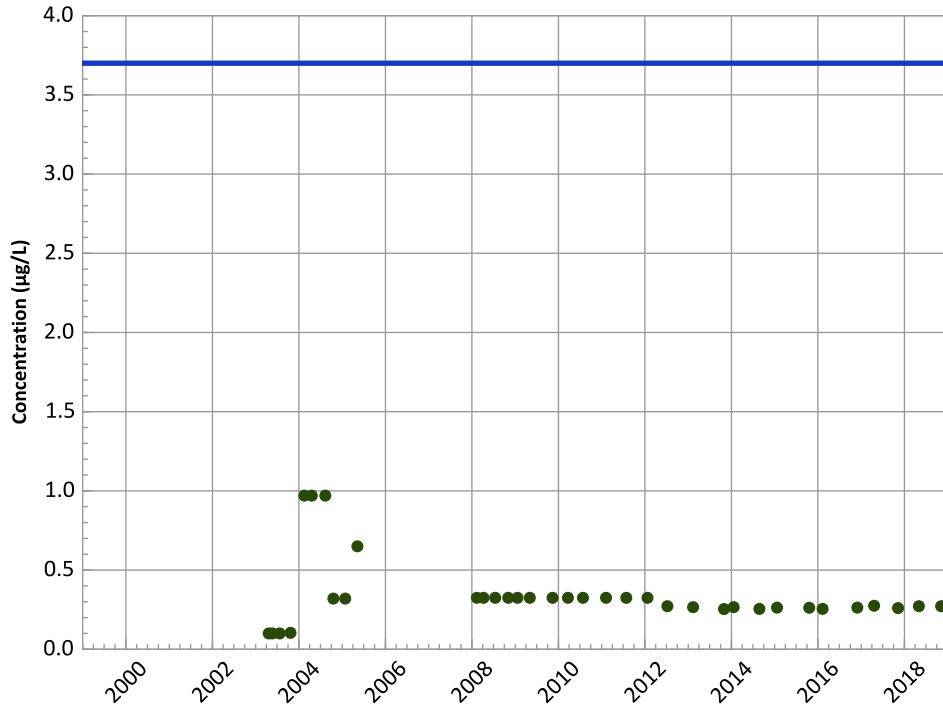
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

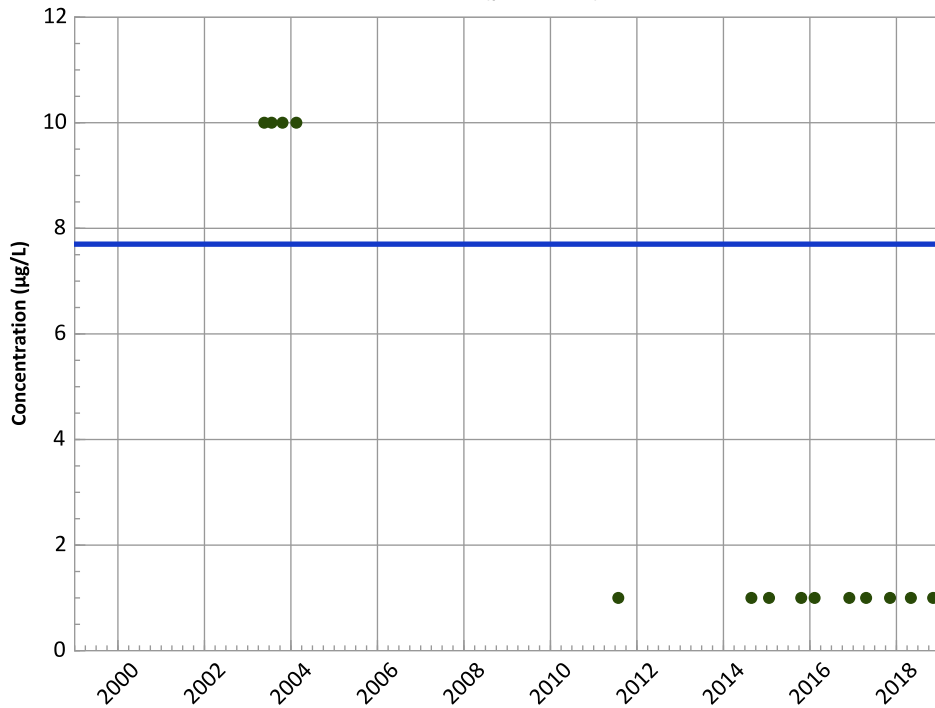
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

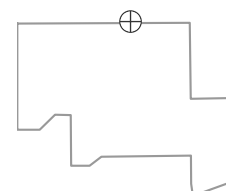
All Data:

All Non-Detect

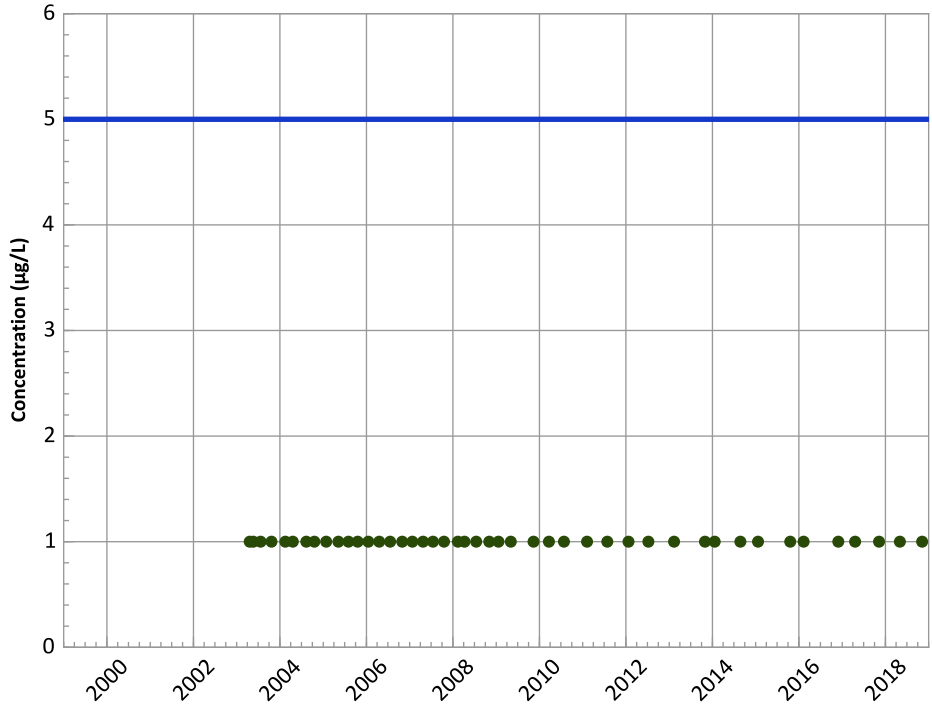
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

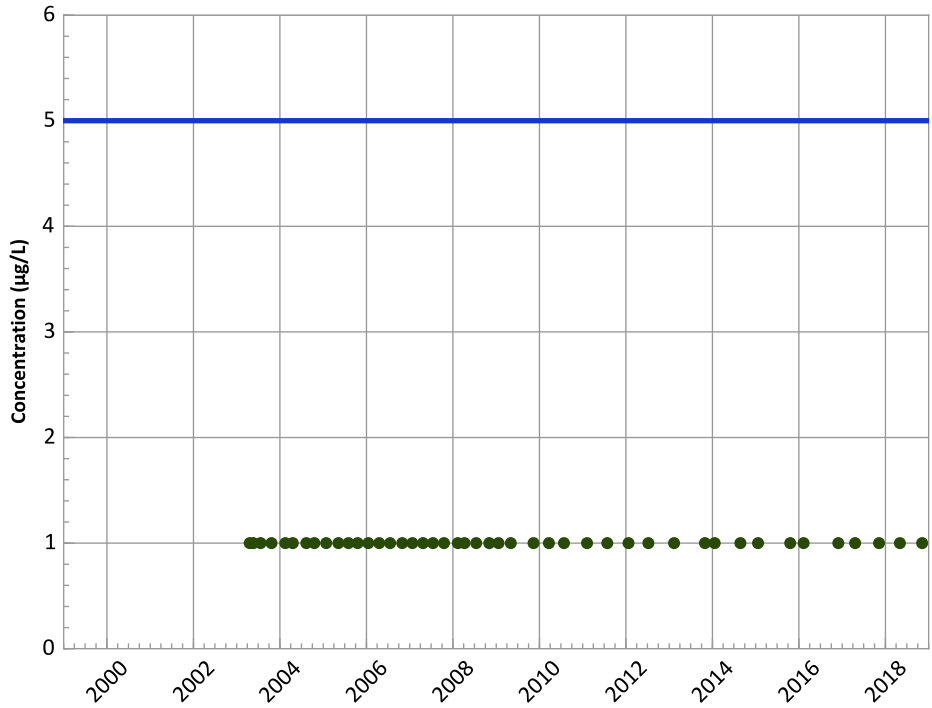
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

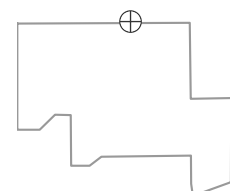
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

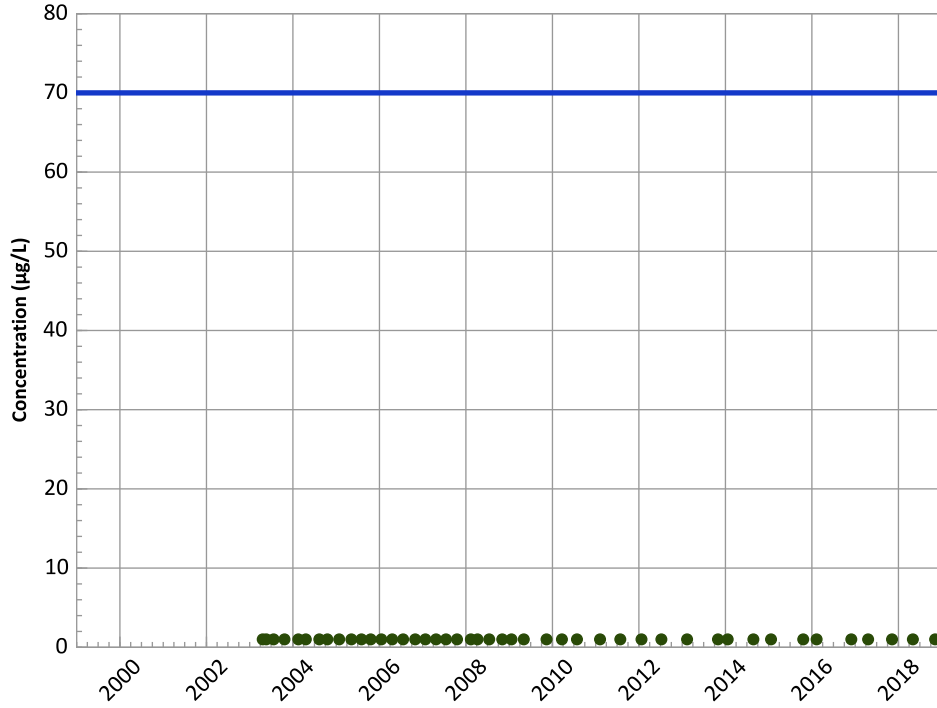


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - - Concentration Trend
- Groundwater Protection Standard

PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

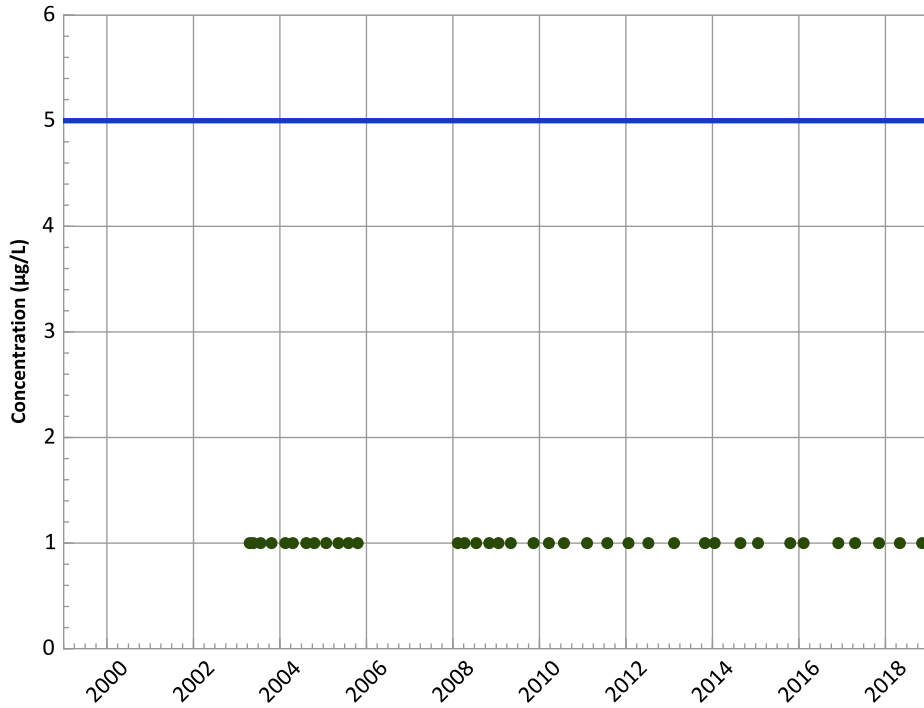
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

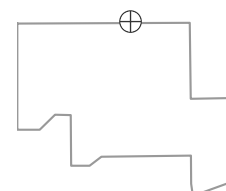
All Data:

All Non-Detect

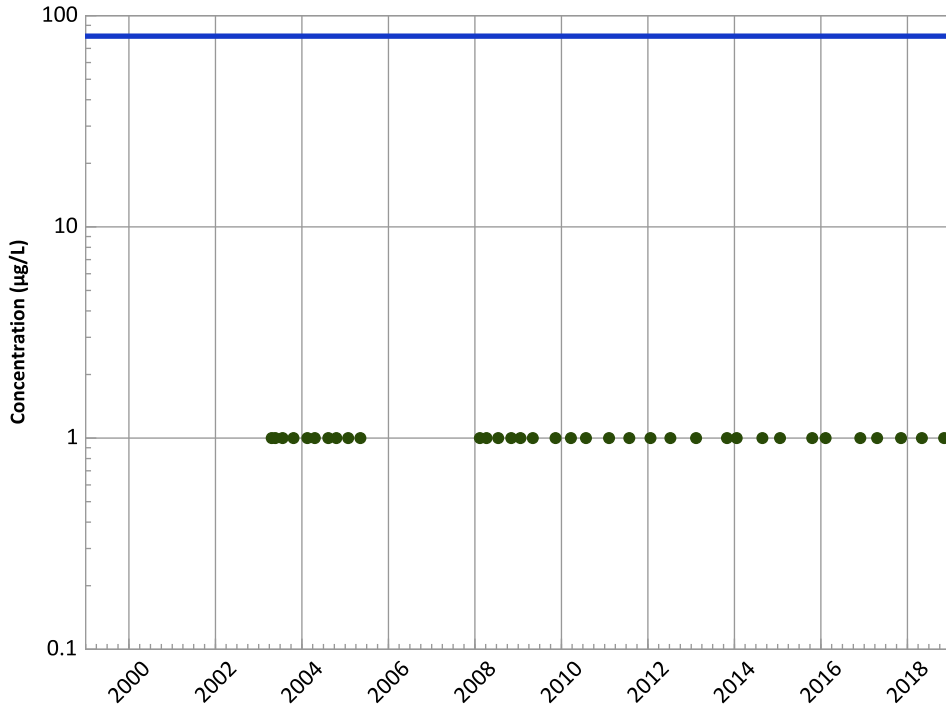
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

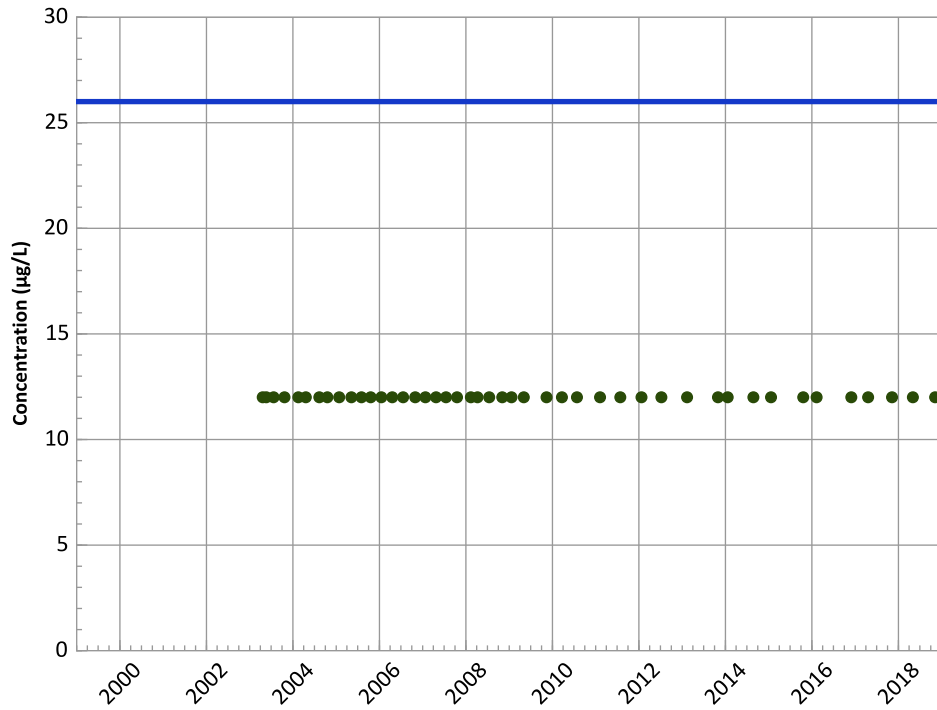


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend



Concentration Trend

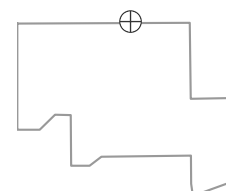
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

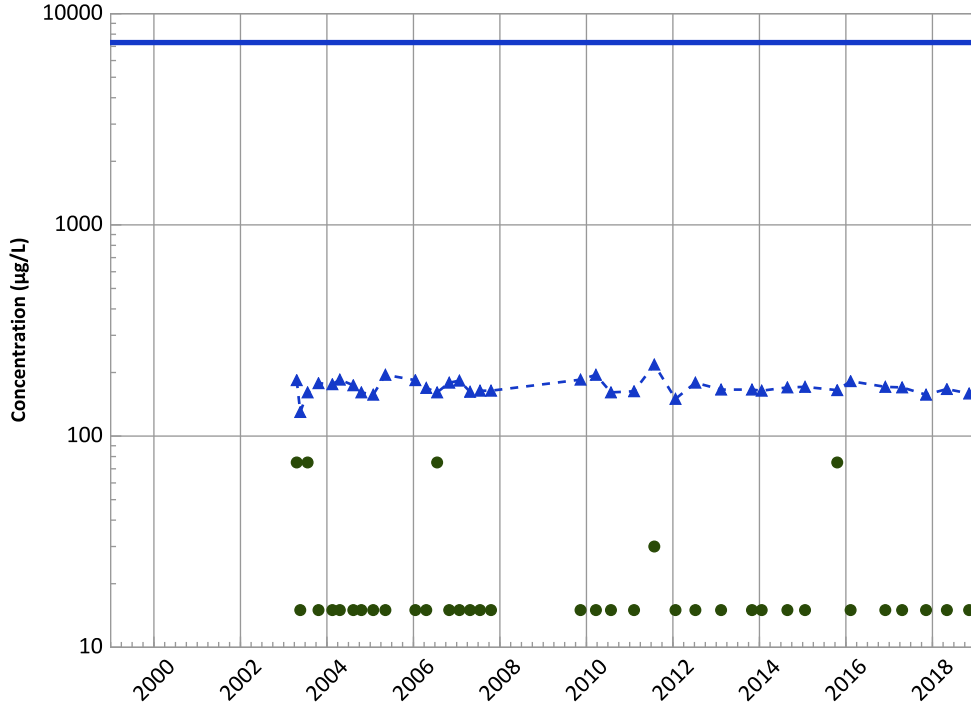
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1064 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

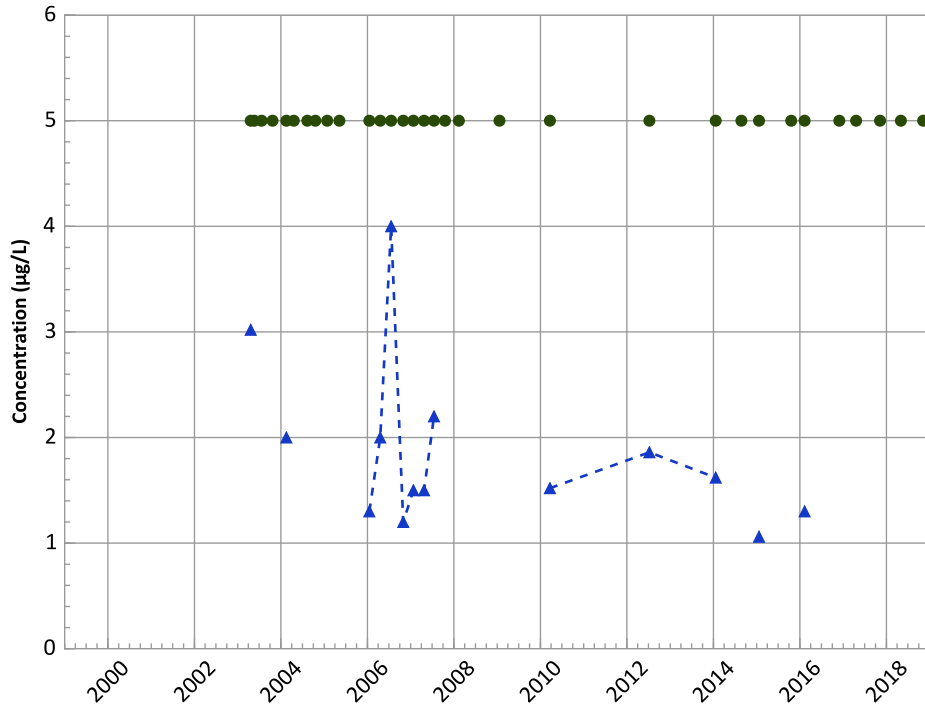
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

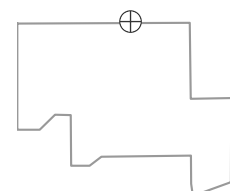
Data (2017 - 2021):

Stable

All Data:

Decreasing

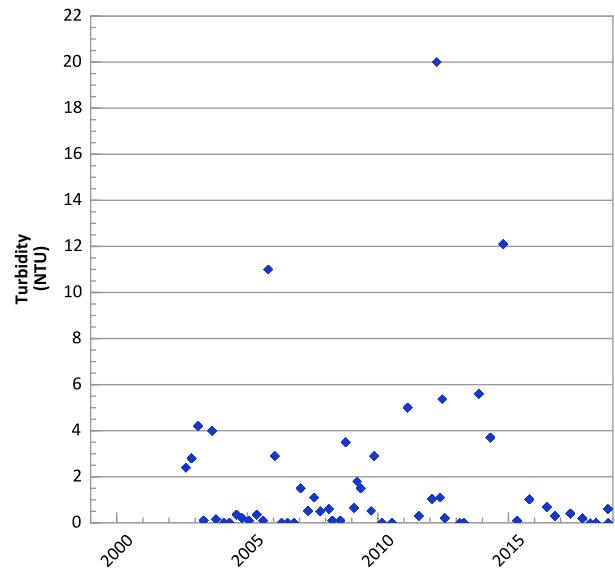
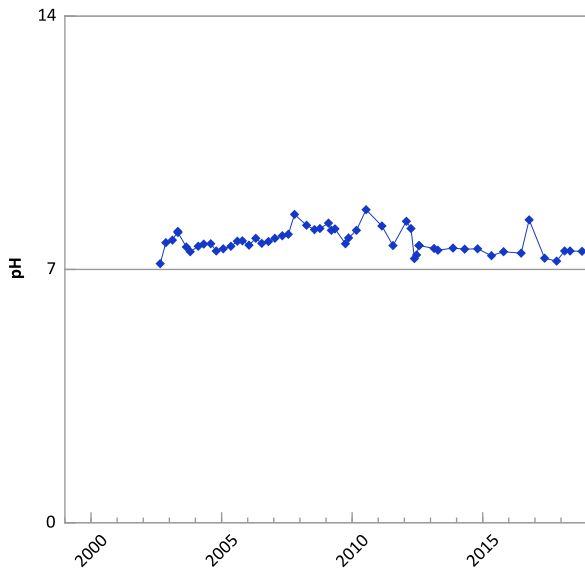
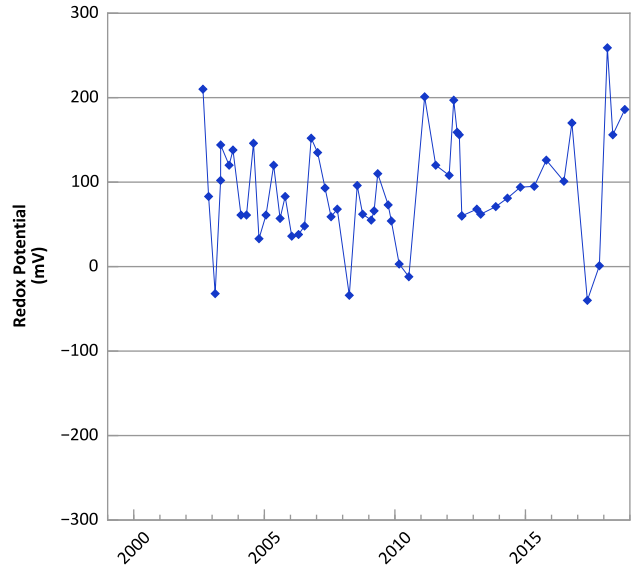
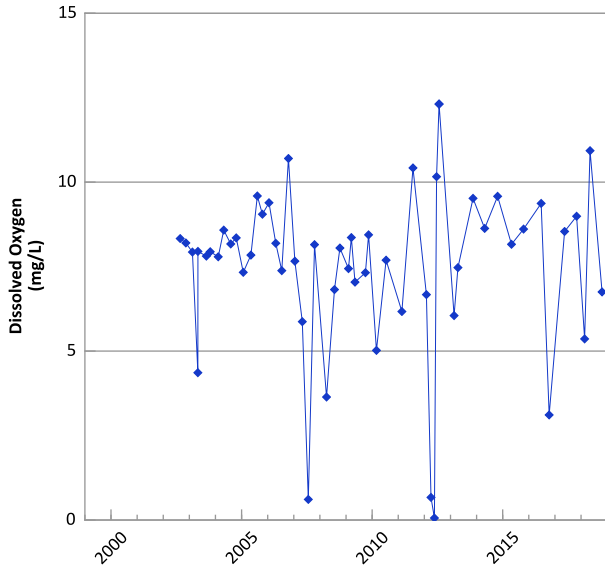
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 04/21/2003 to 11/07/2018
Analysis Date: 02/14/2019

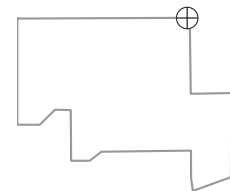
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



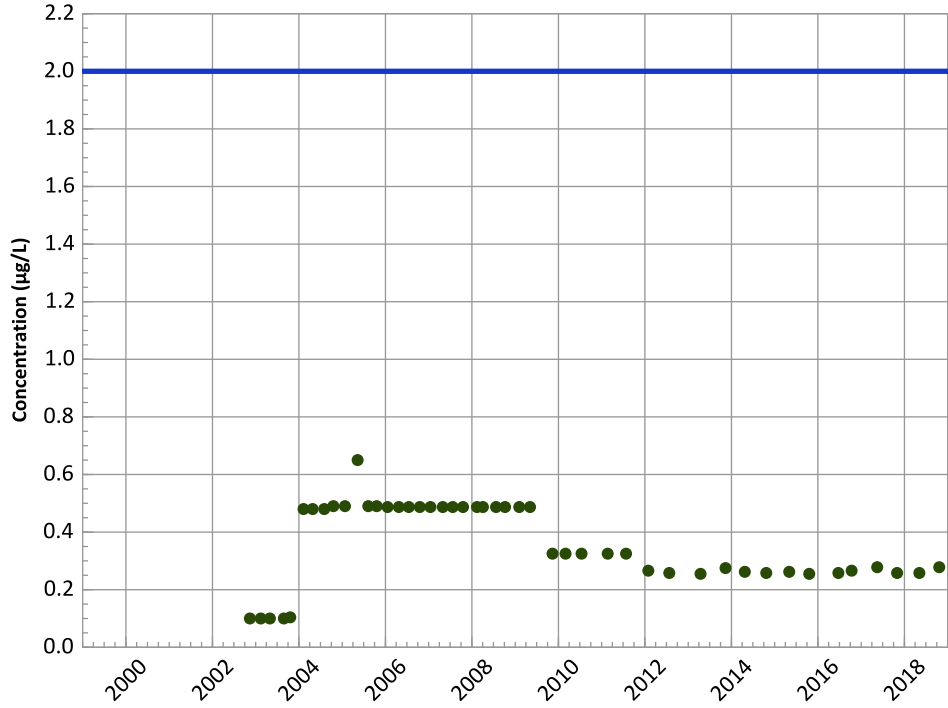
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 08/26/2002 to 10/29/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

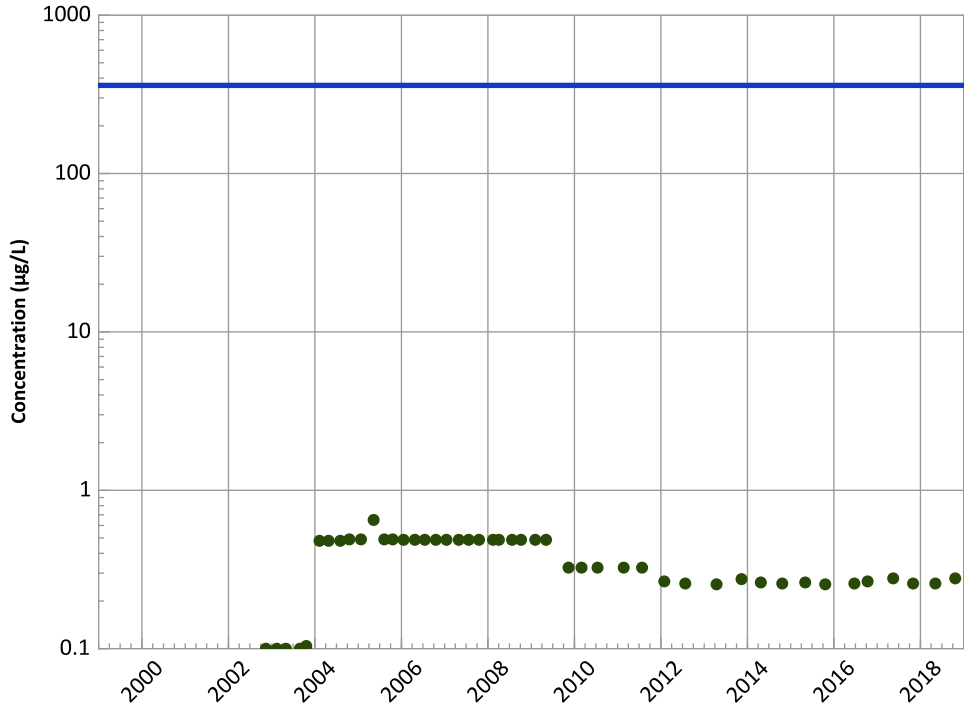
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

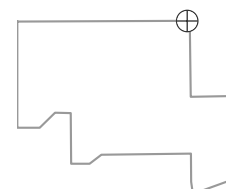
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

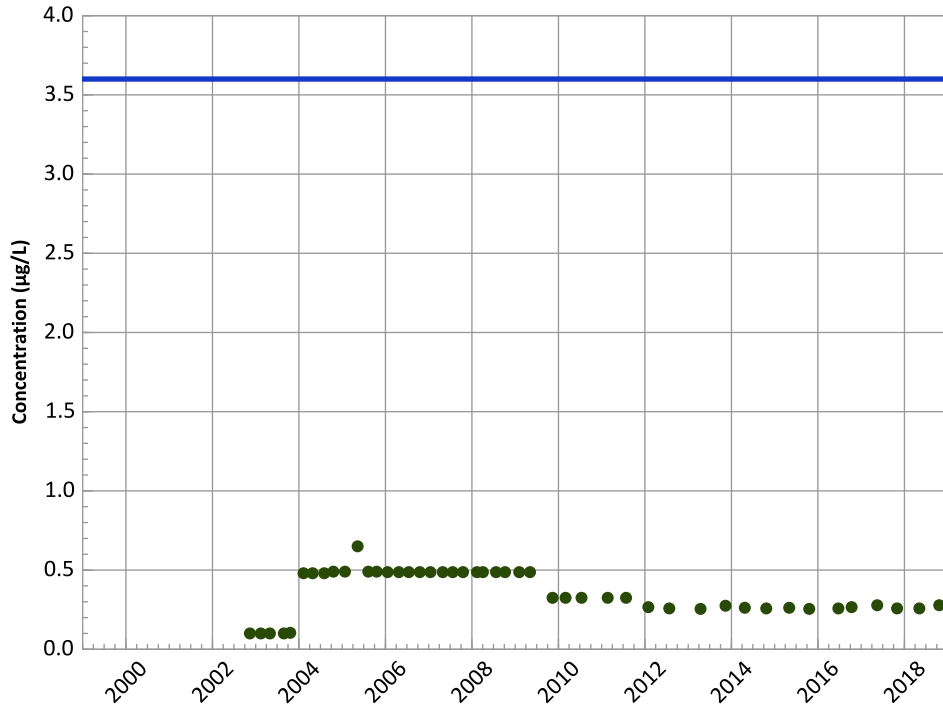
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

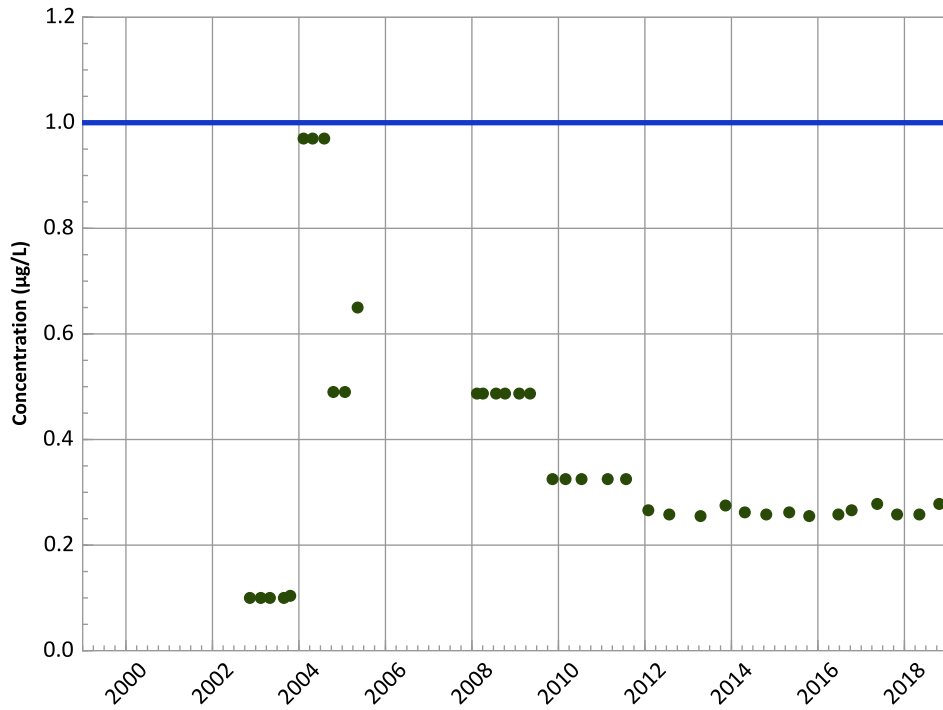
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

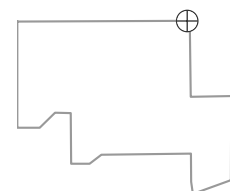
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

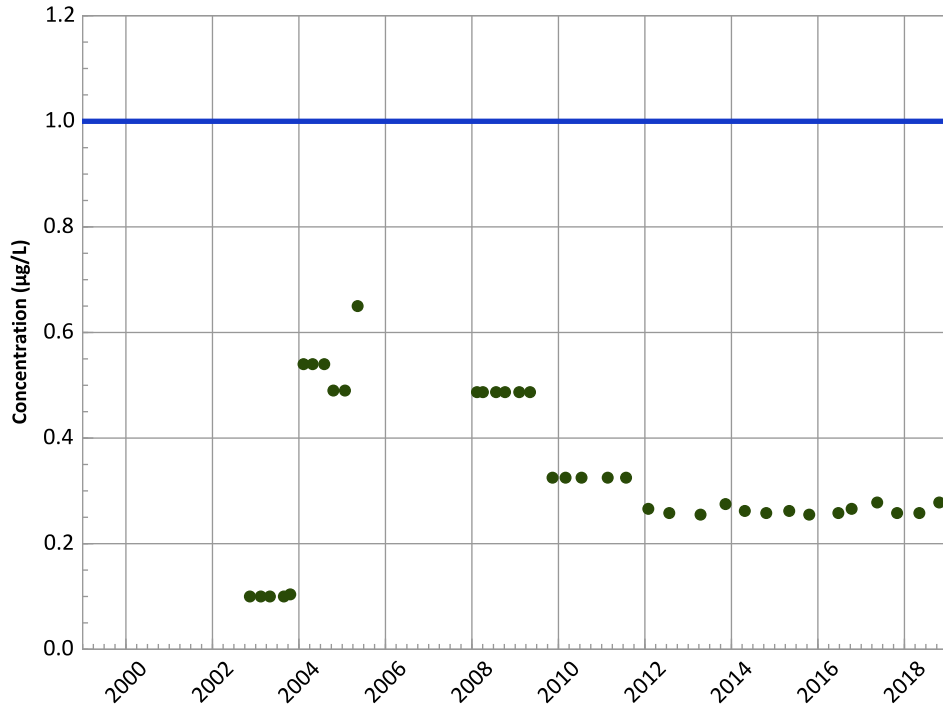
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

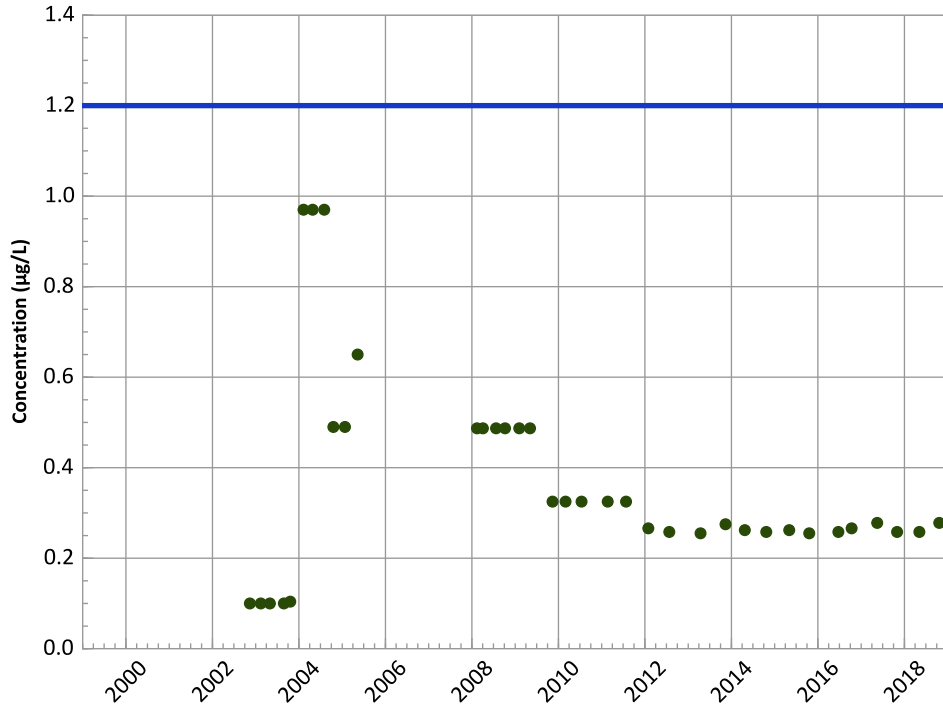
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

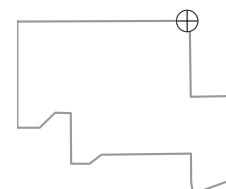
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

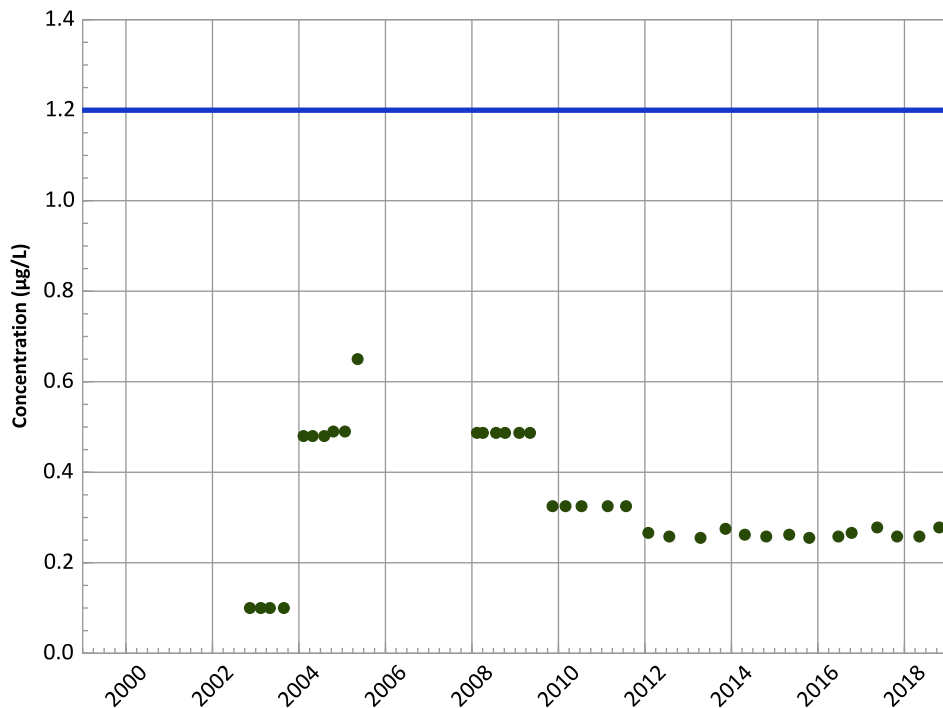
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend

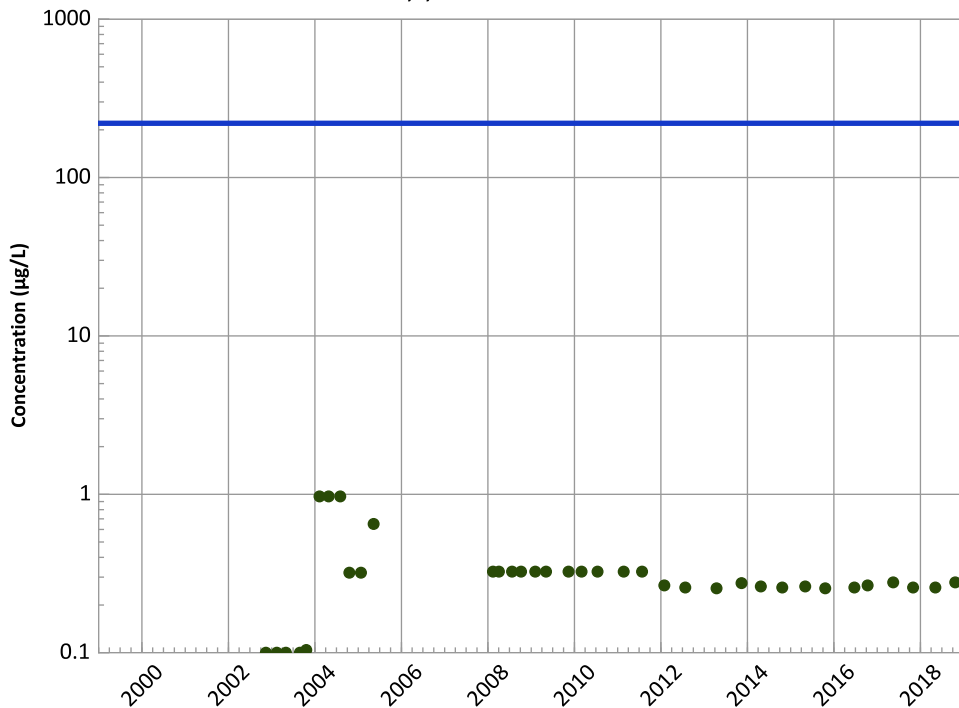


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

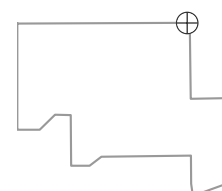
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

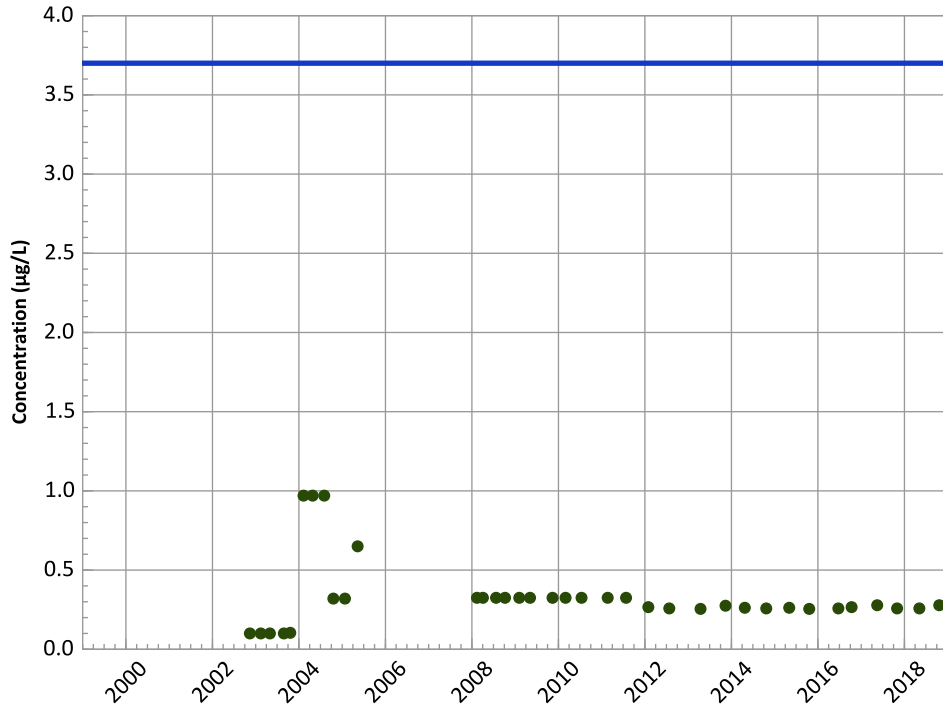
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

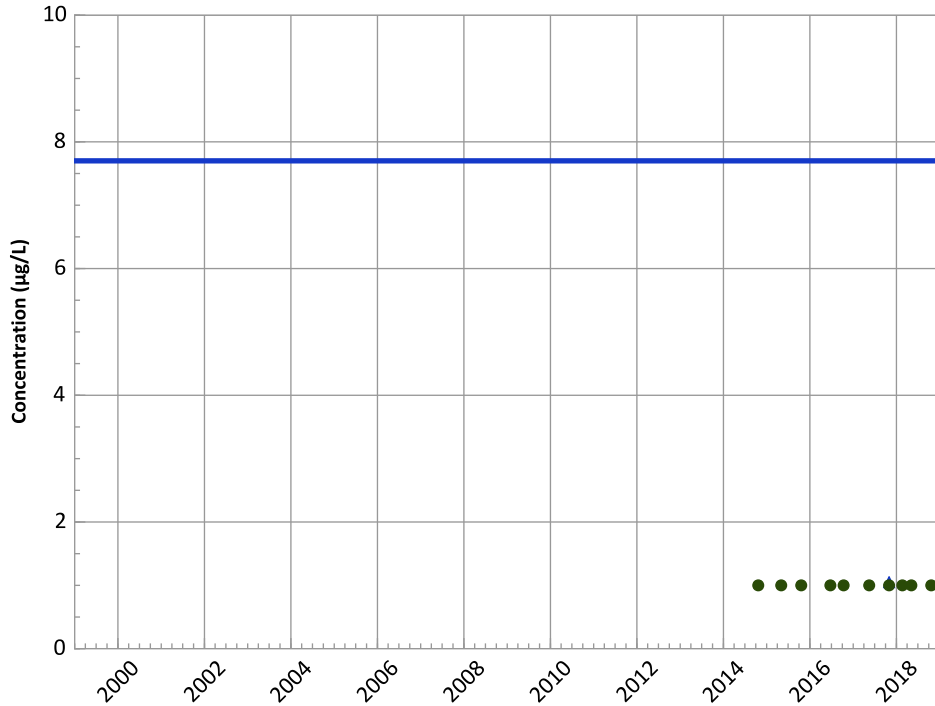
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

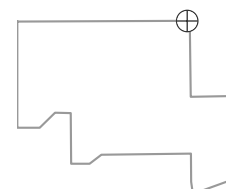
All Data:

N/A (<4 Detections in Dataset)

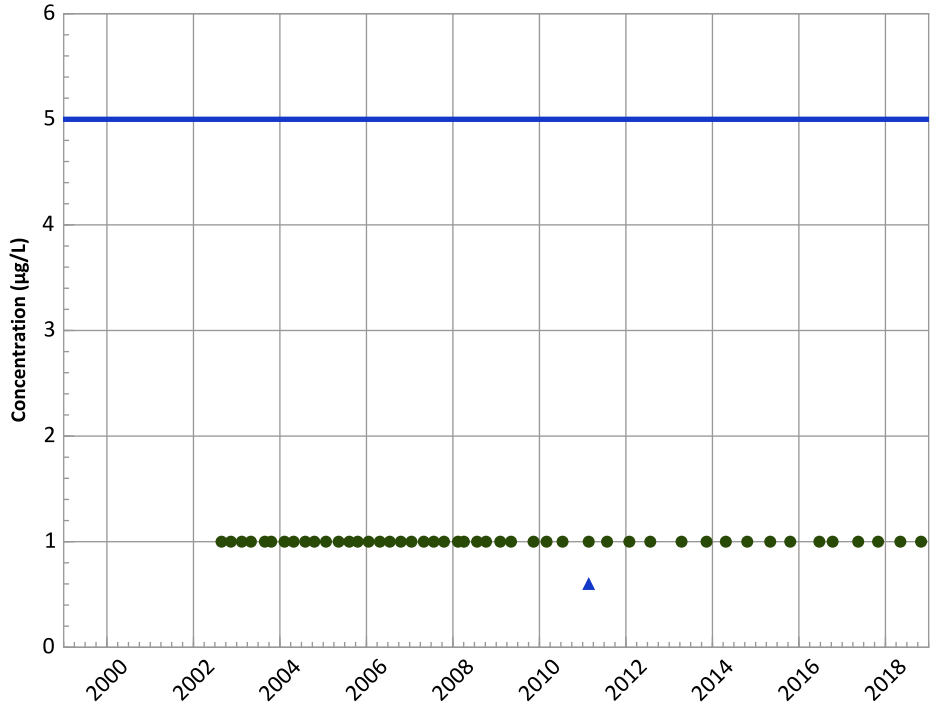
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

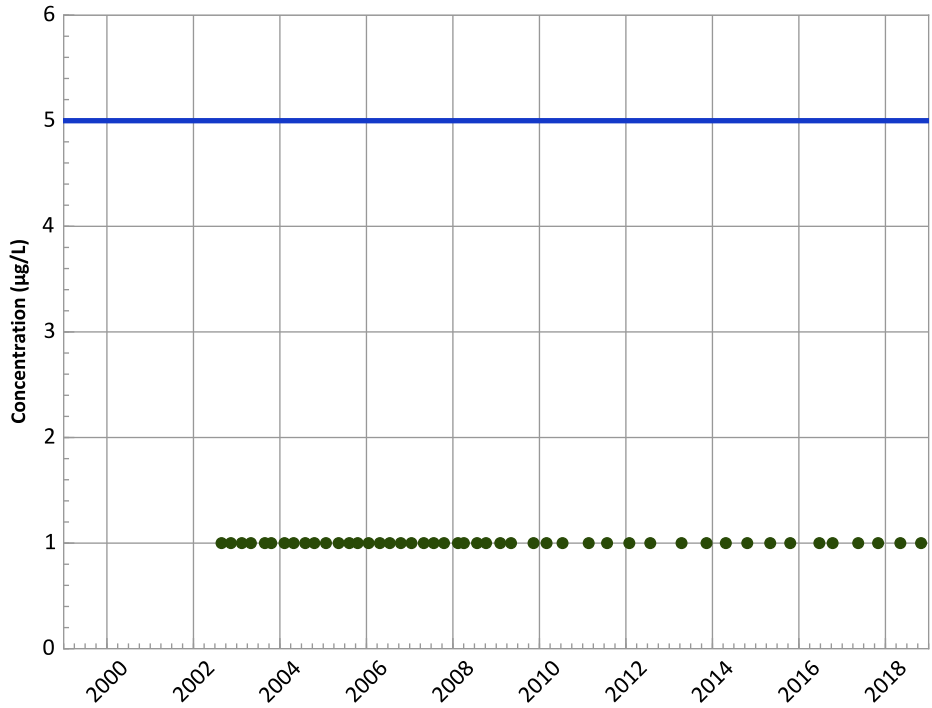
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

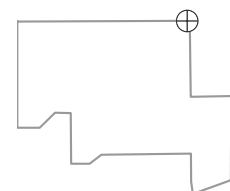
MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

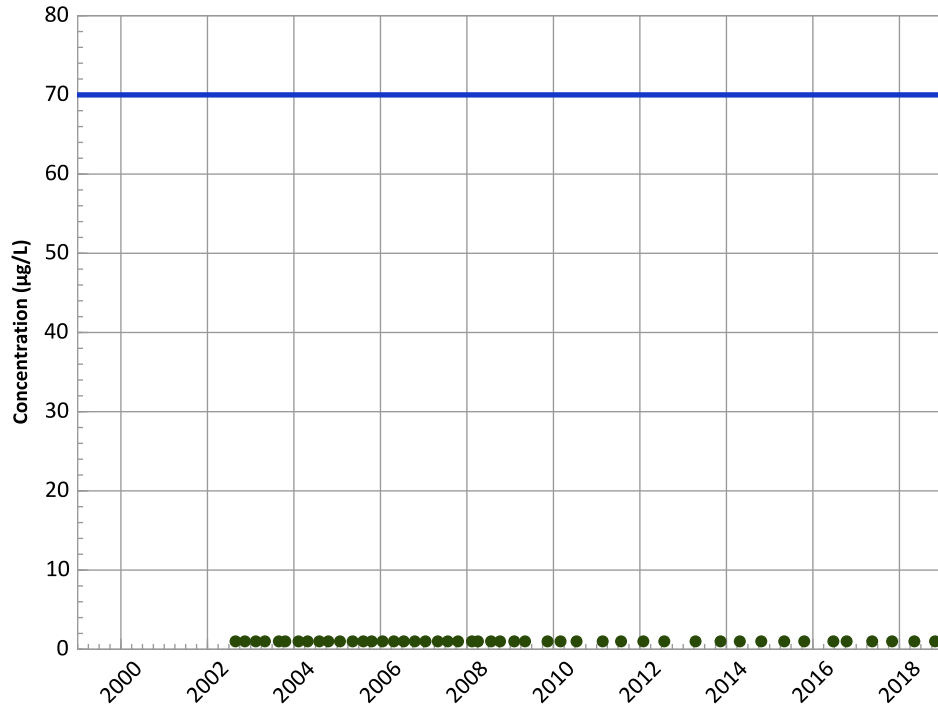
- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

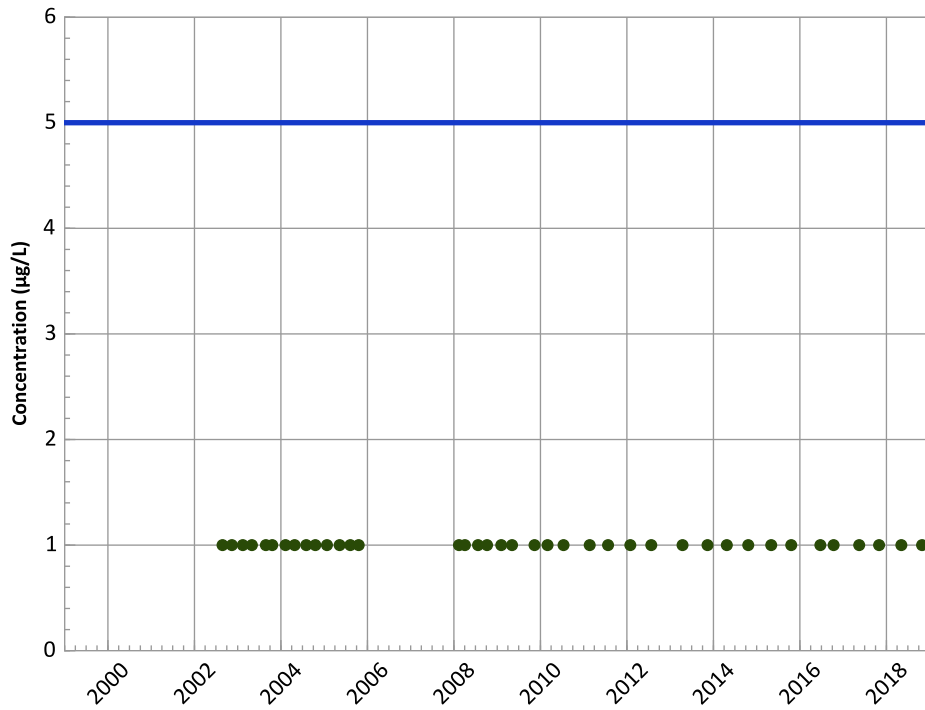
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

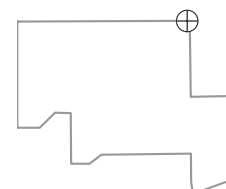
All Data:

All Non-Detect

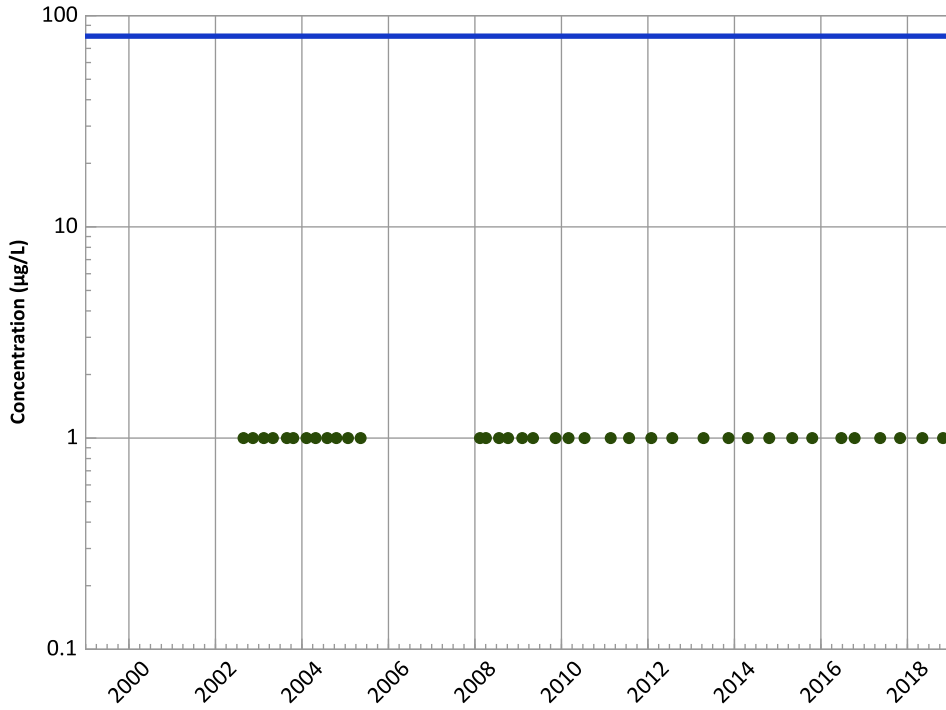
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

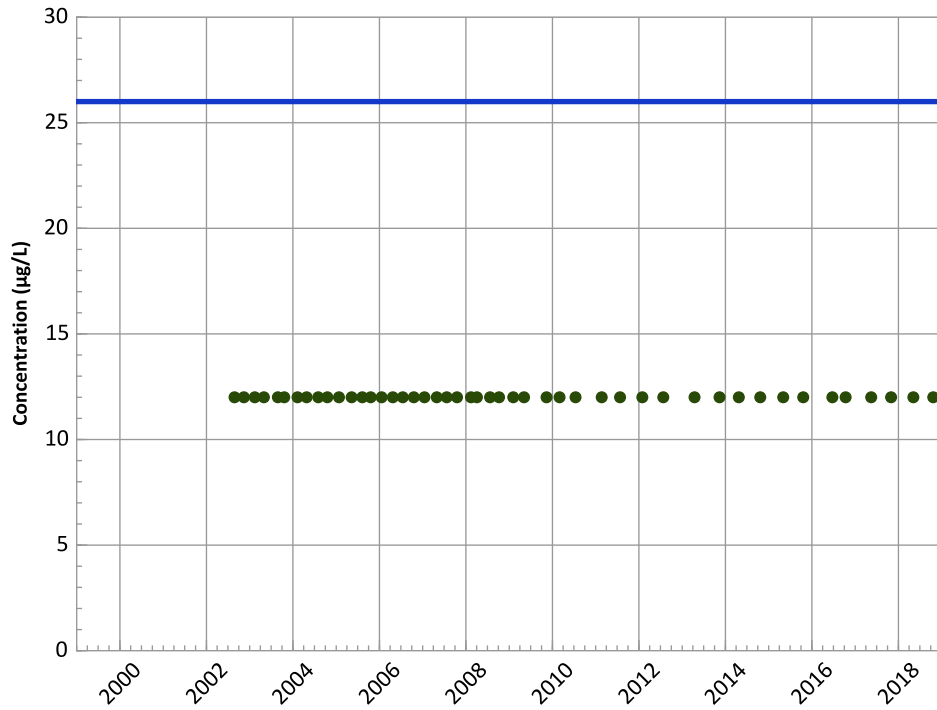


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

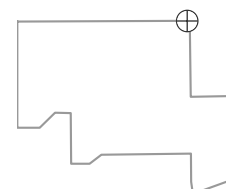


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

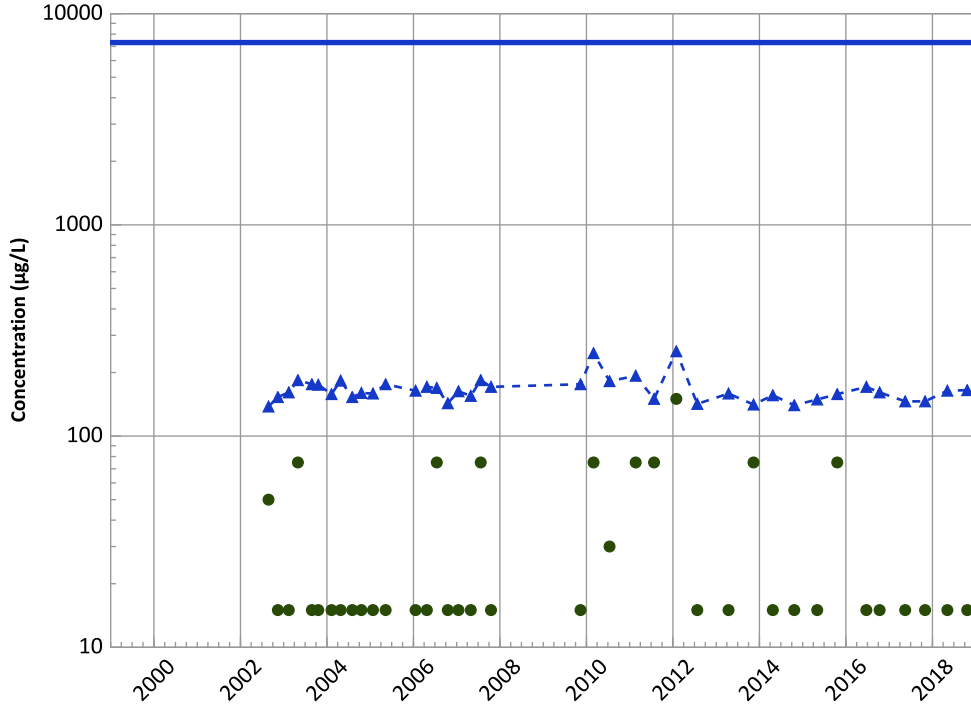


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- Concentration Trend
- Groundwater Protection Standard

PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

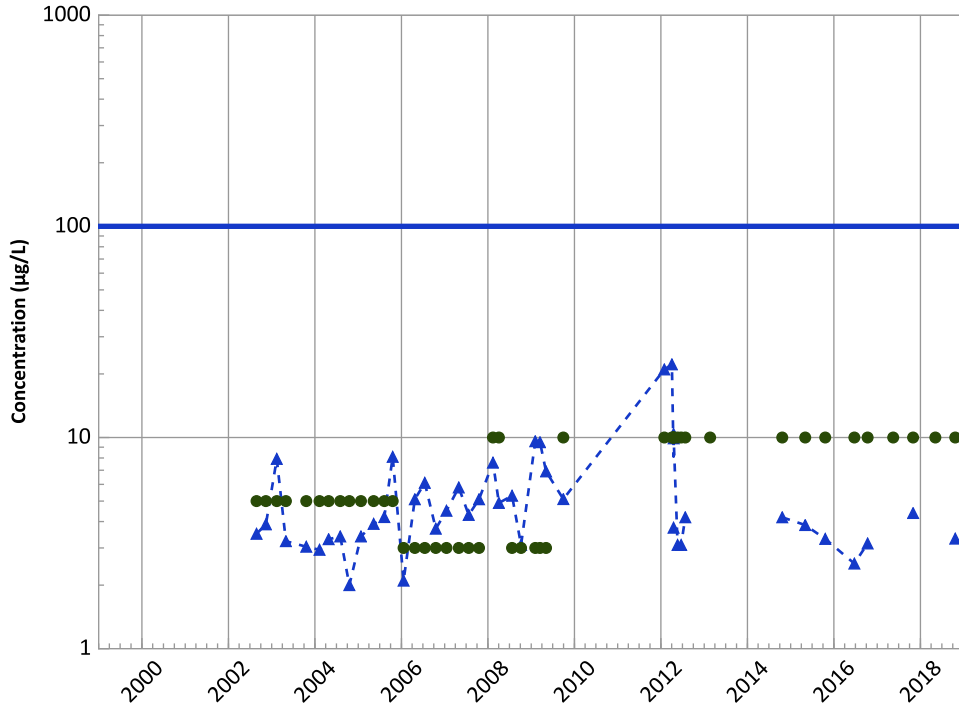
Data (2017 - 2021):

Stable

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

Data (2017 - 2021):

Decreasing

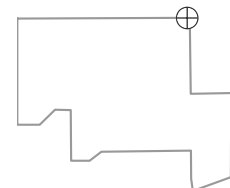
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

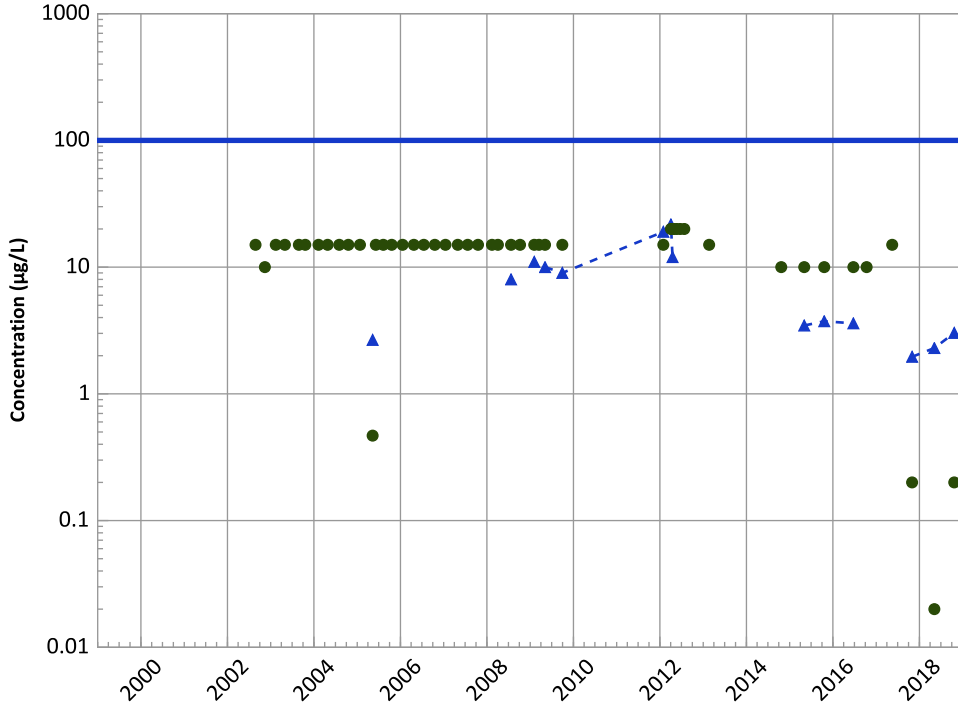
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1068 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

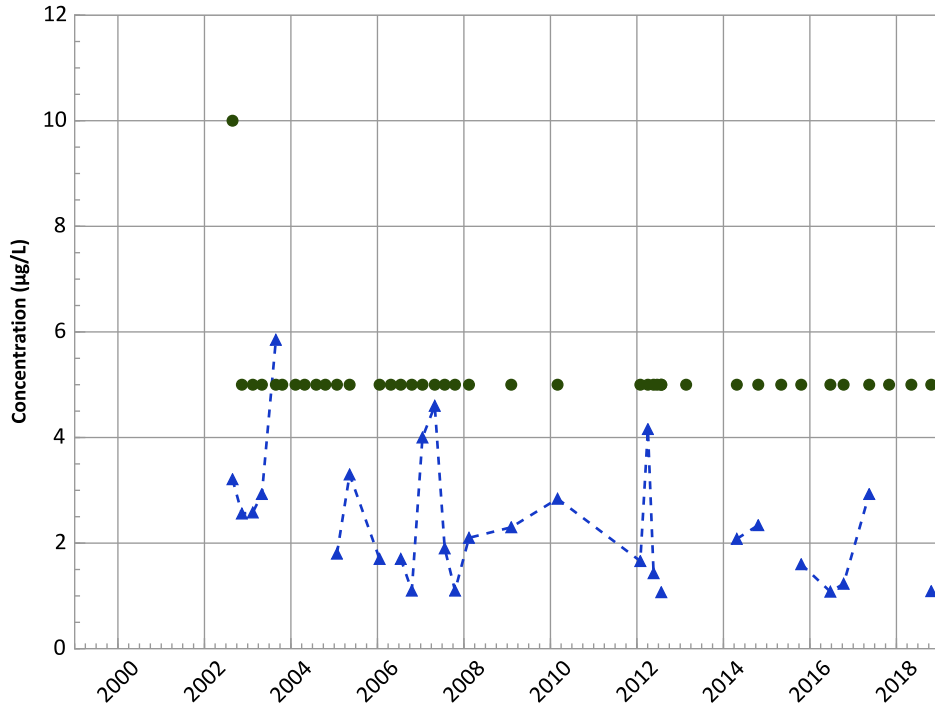
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

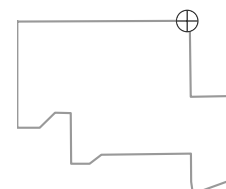
All Data:

Decreasing

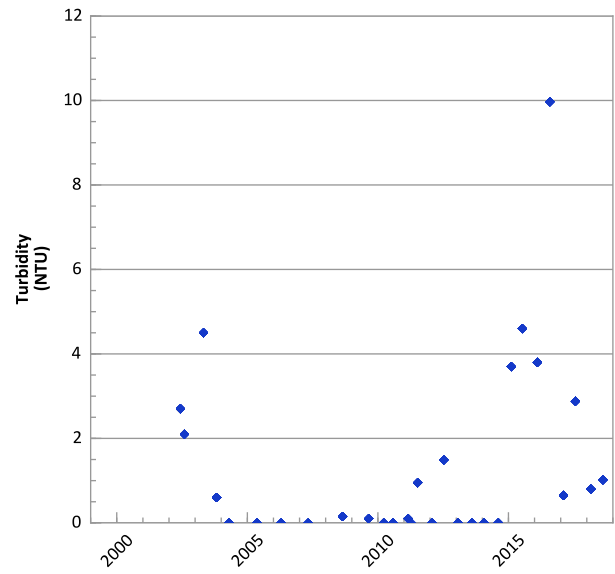
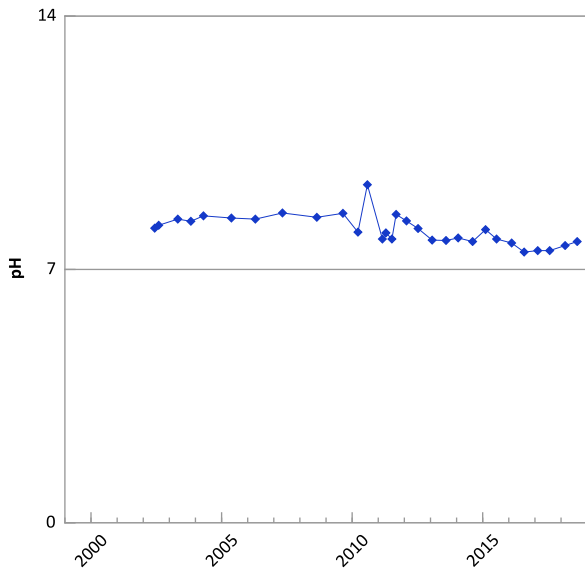
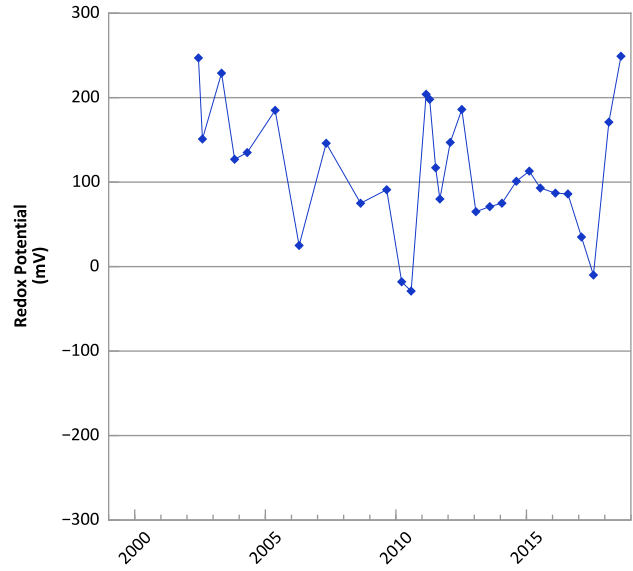
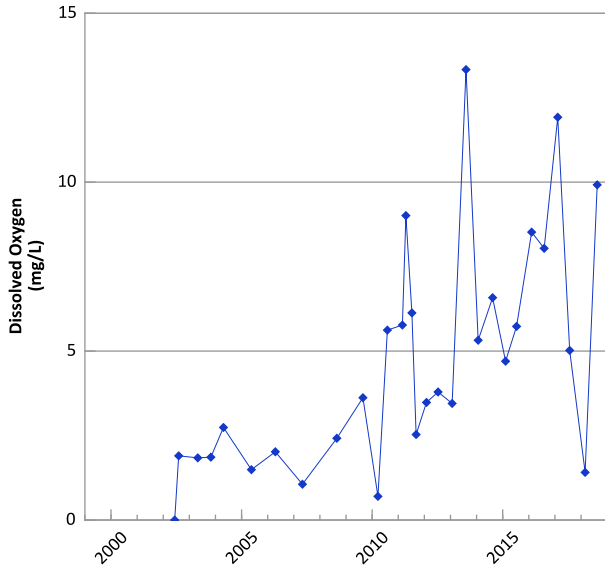
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 08/26/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

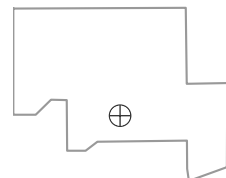


PTX06-1072 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



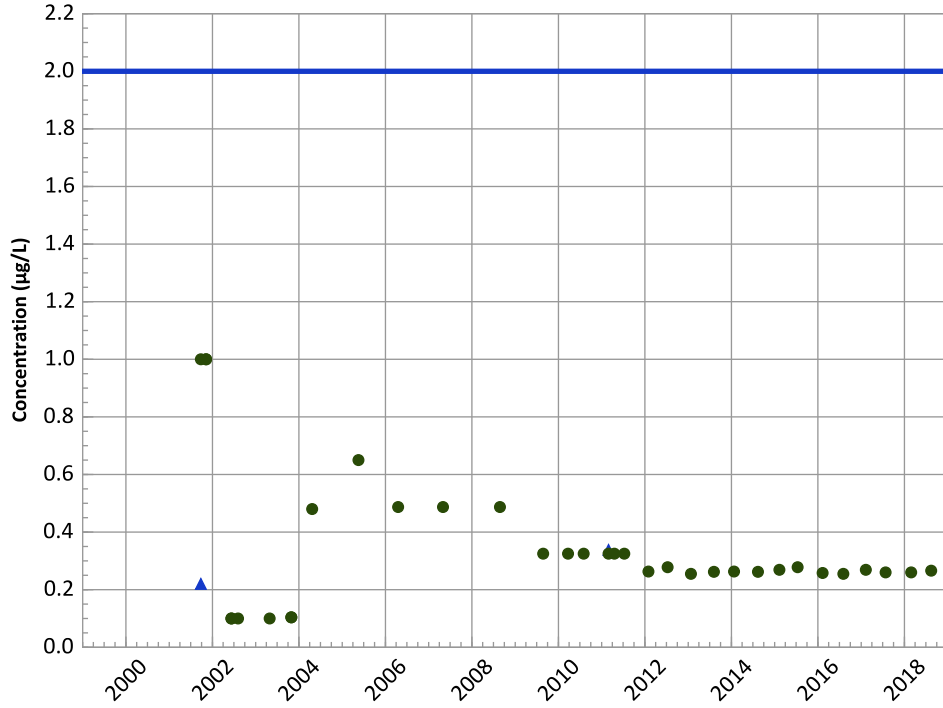
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/25/2001 to 08/15/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

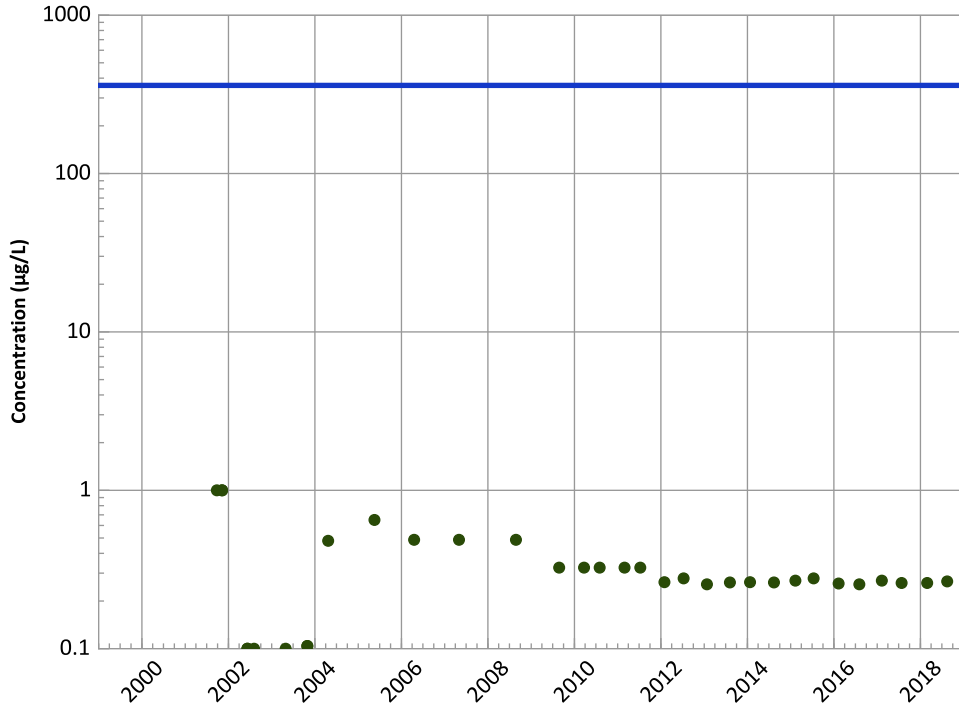
Data (2017 - 2021):

All Non-Detect

All 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 (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

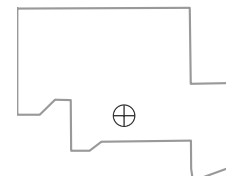
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

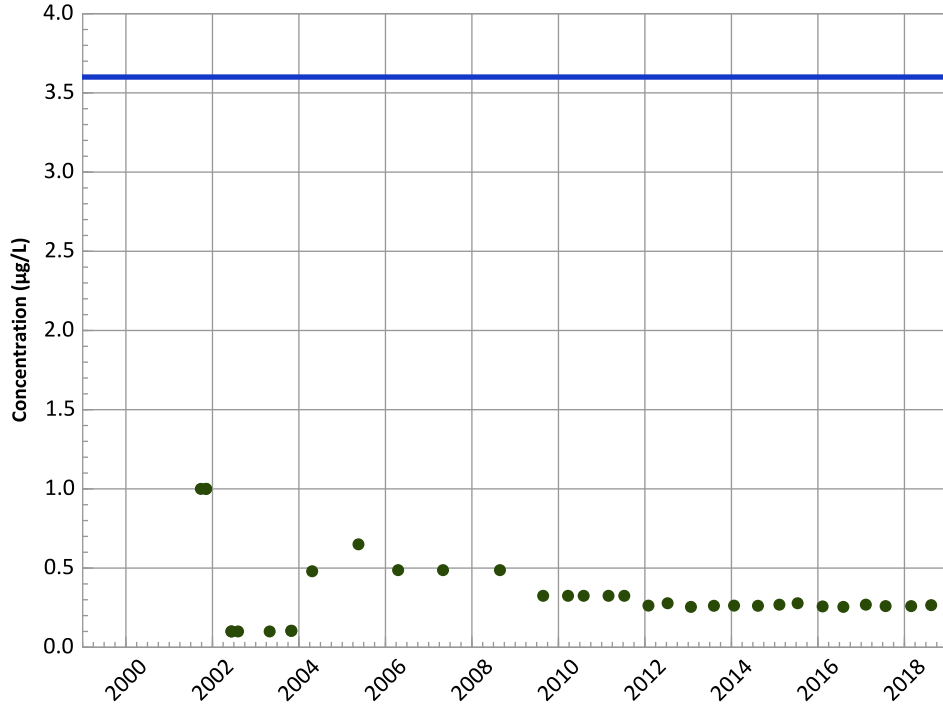
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

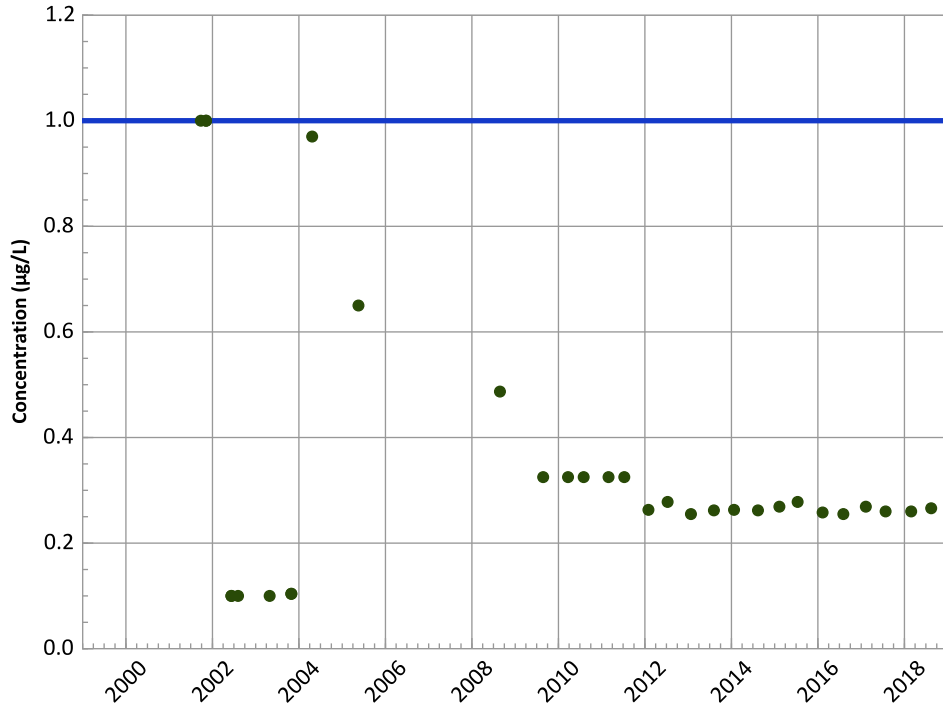
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

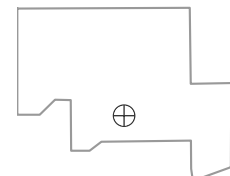
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

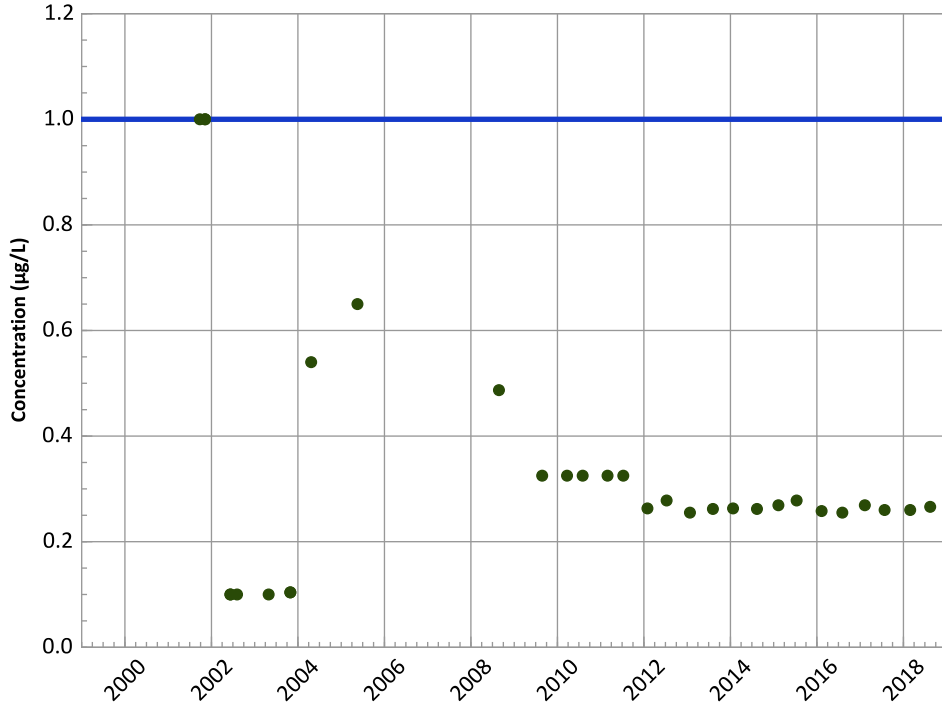


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

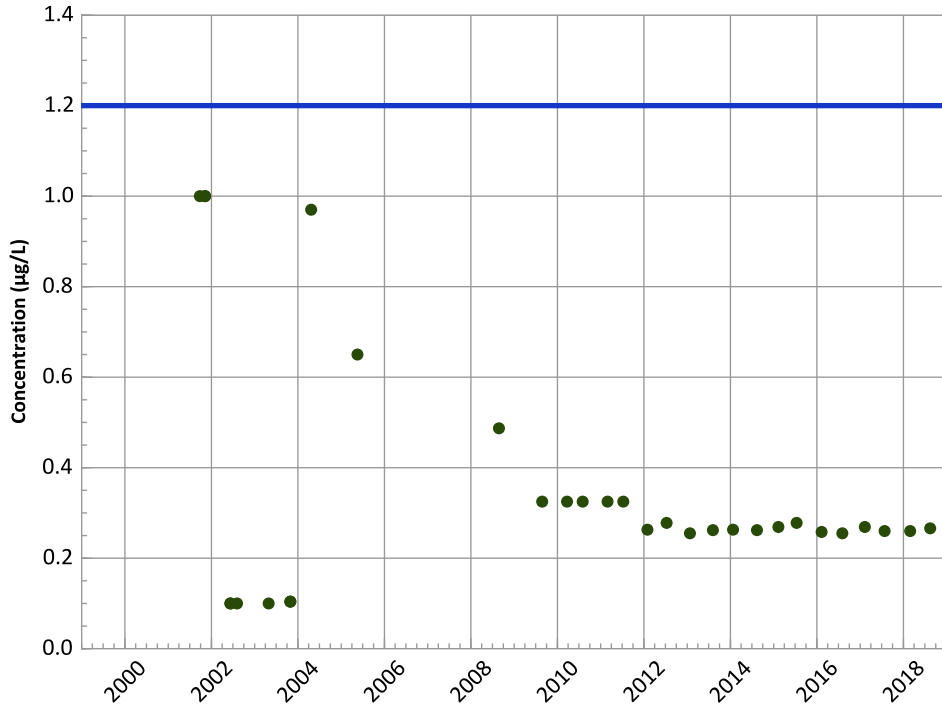
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

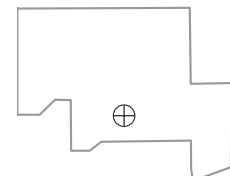
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

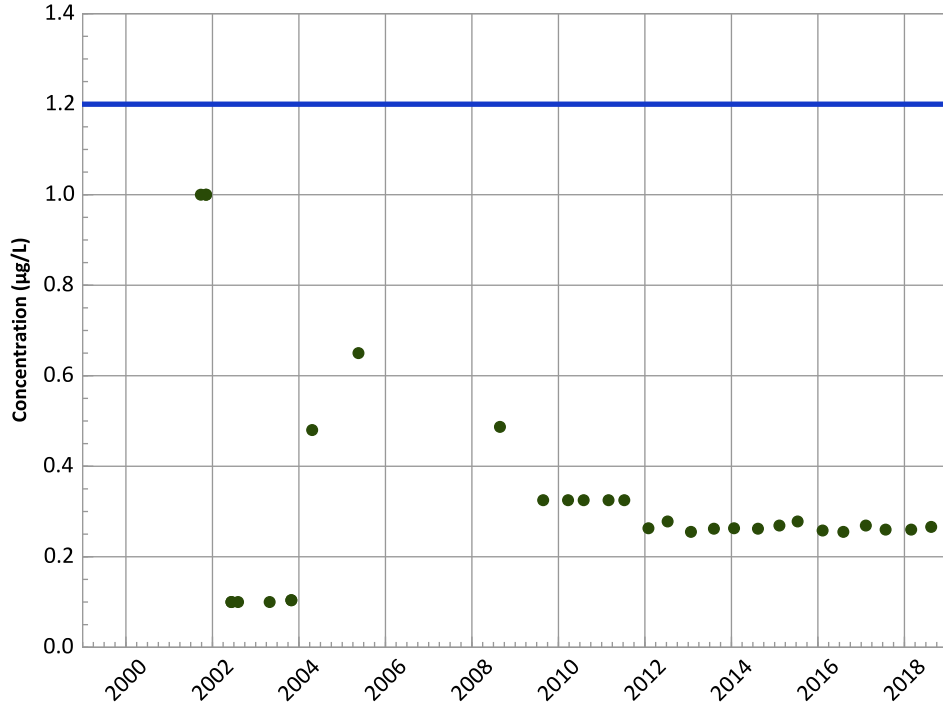


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

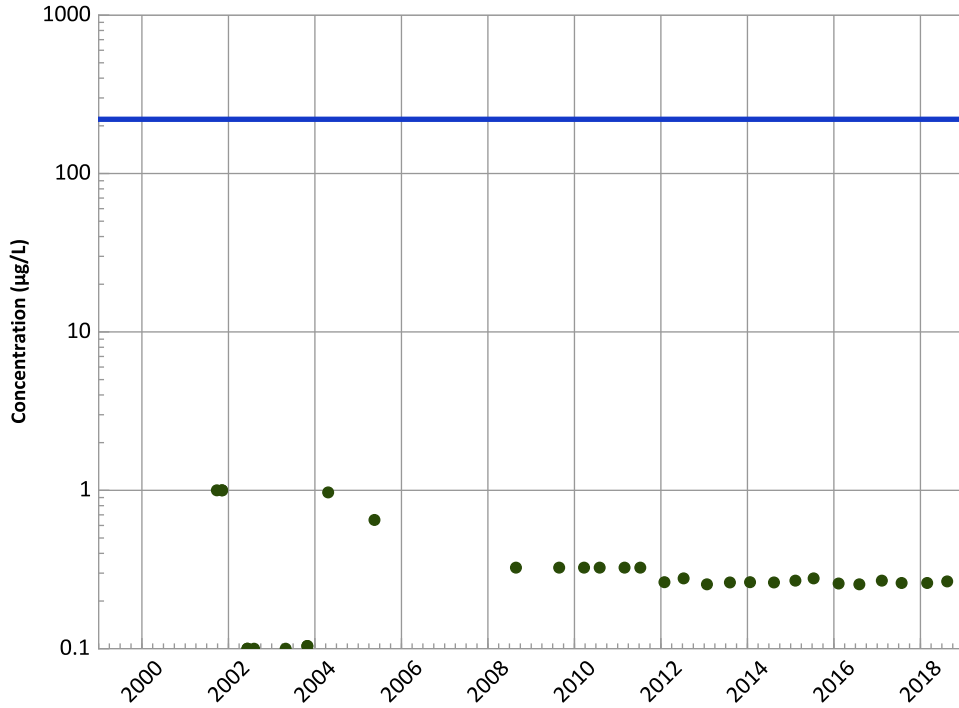
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

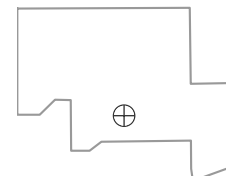
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

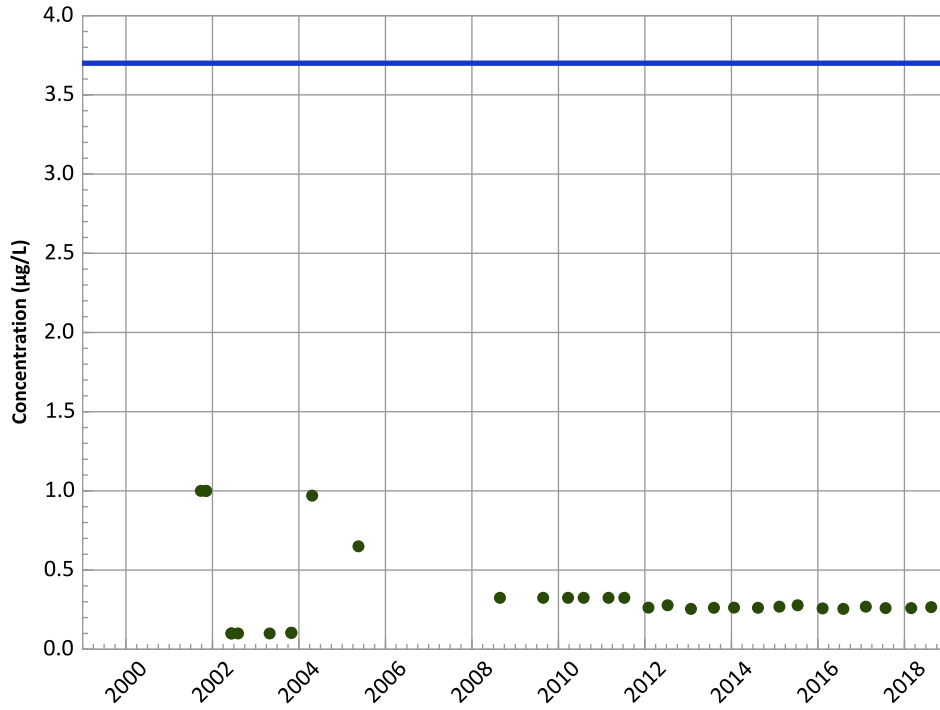
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

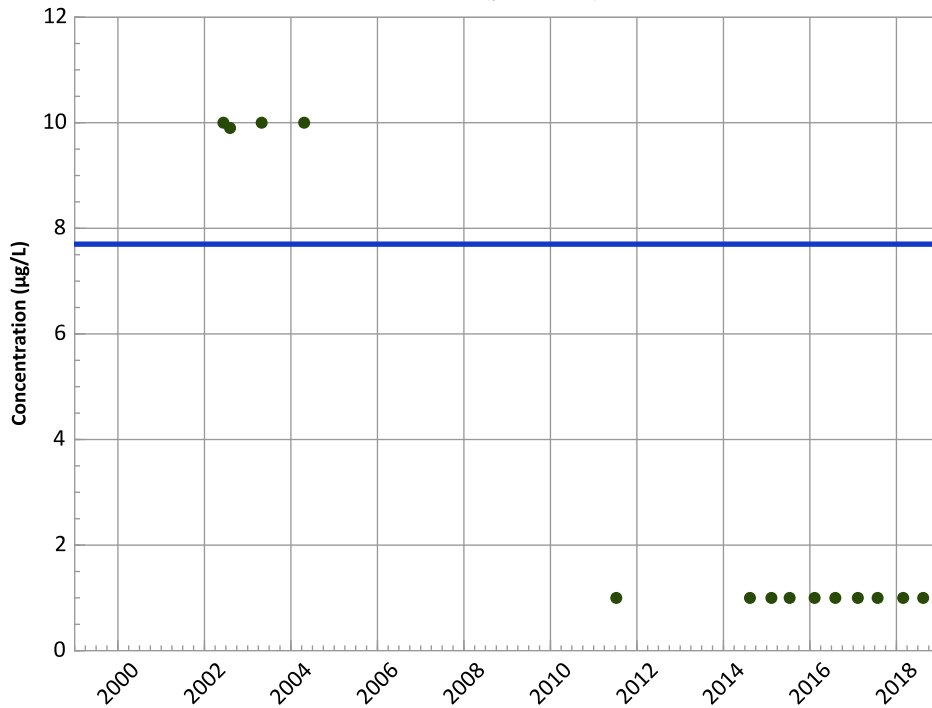
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

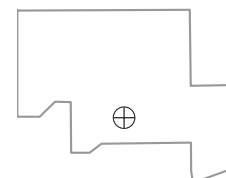
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

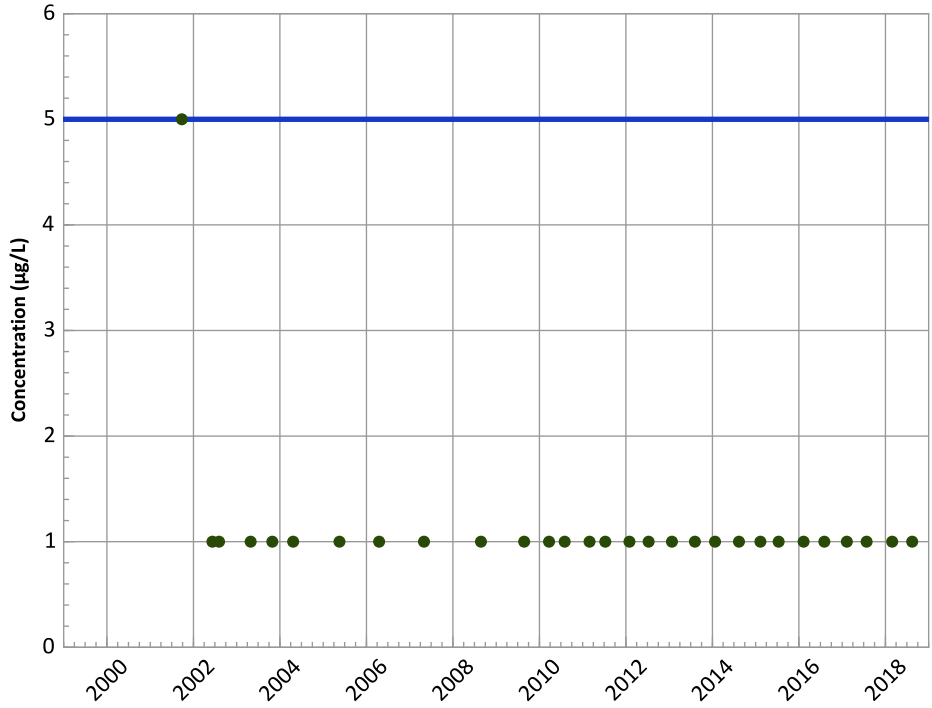
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

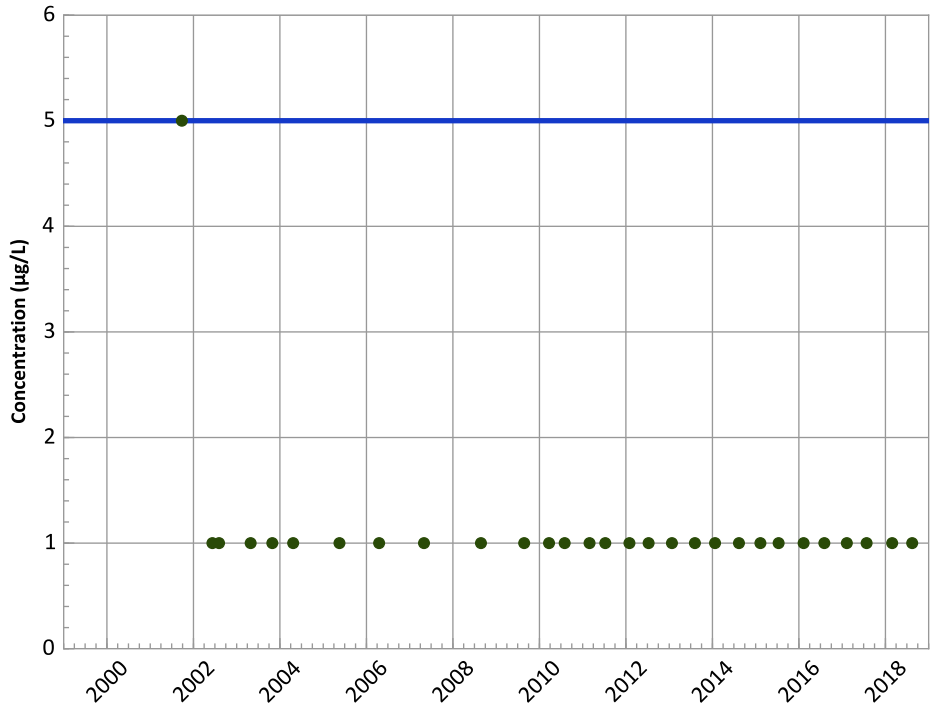
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

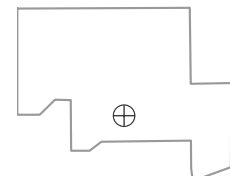
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

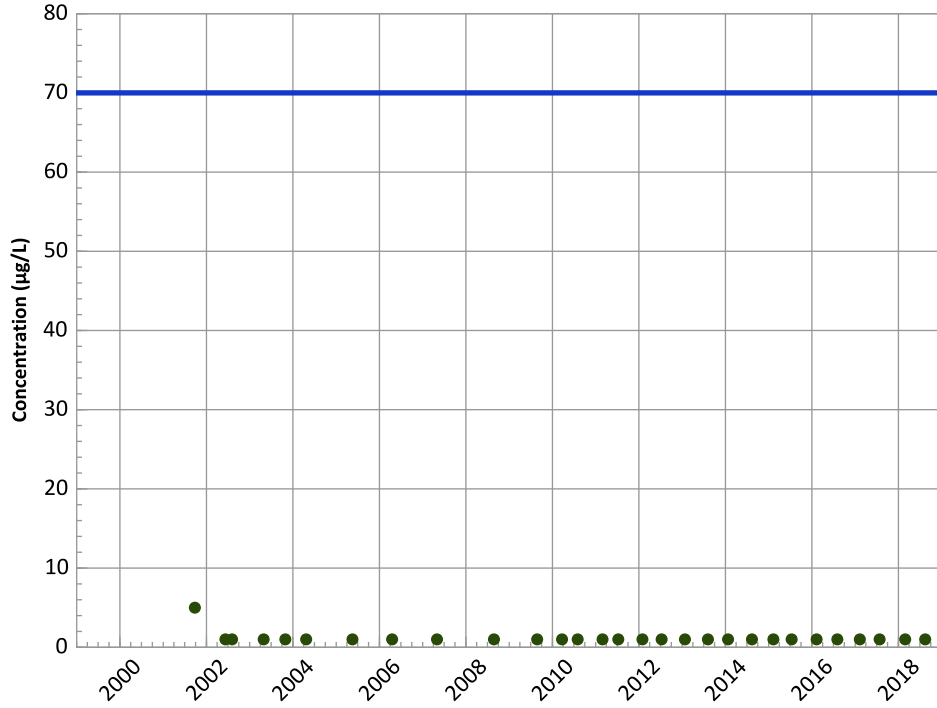


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

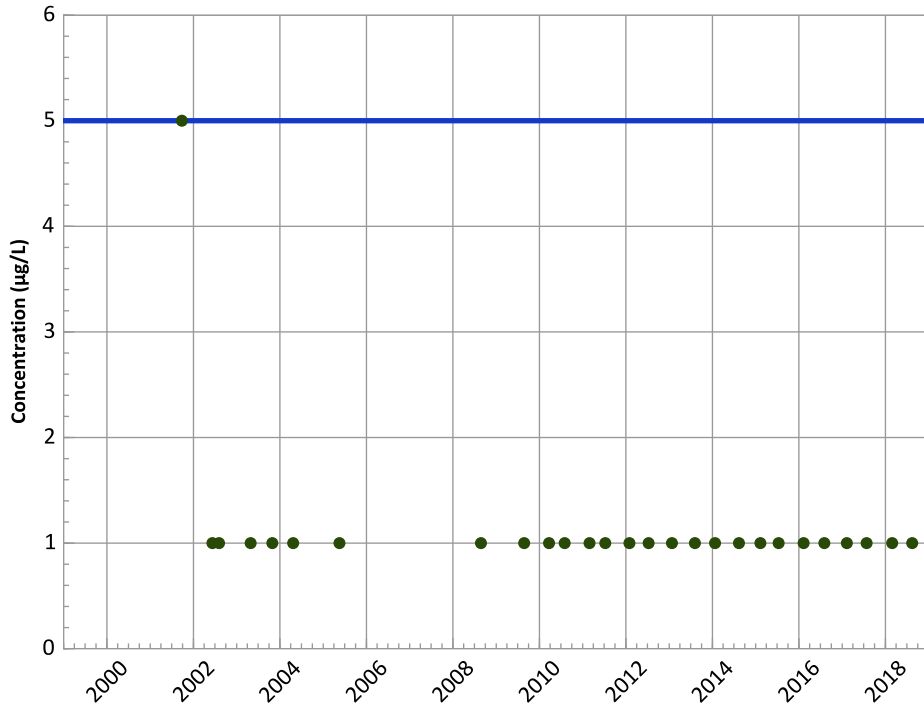
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

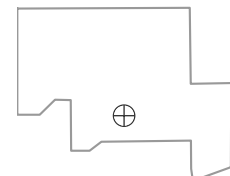
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

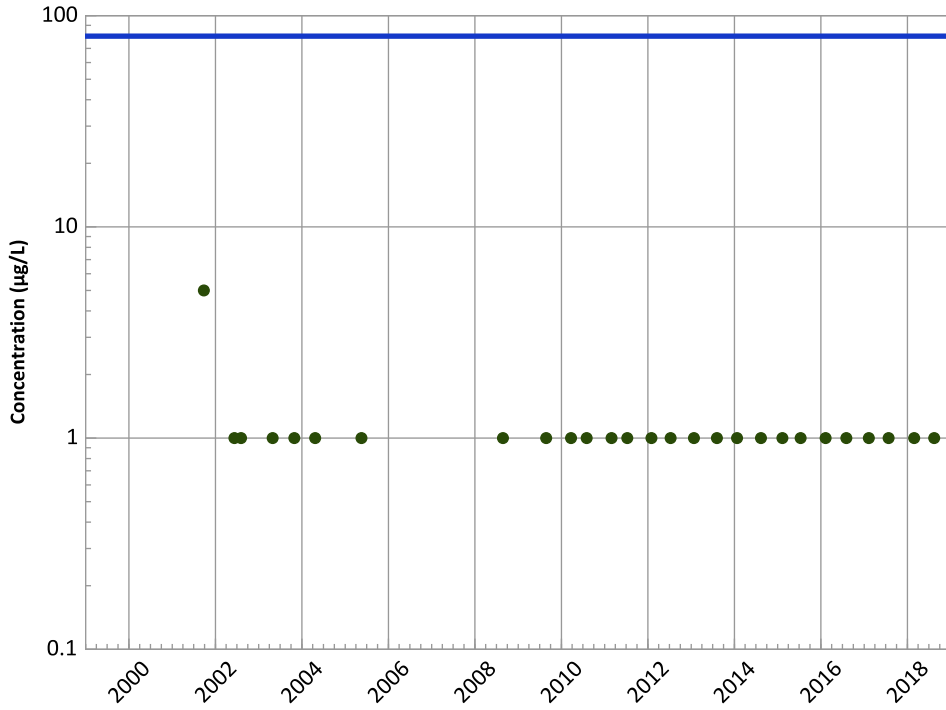
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

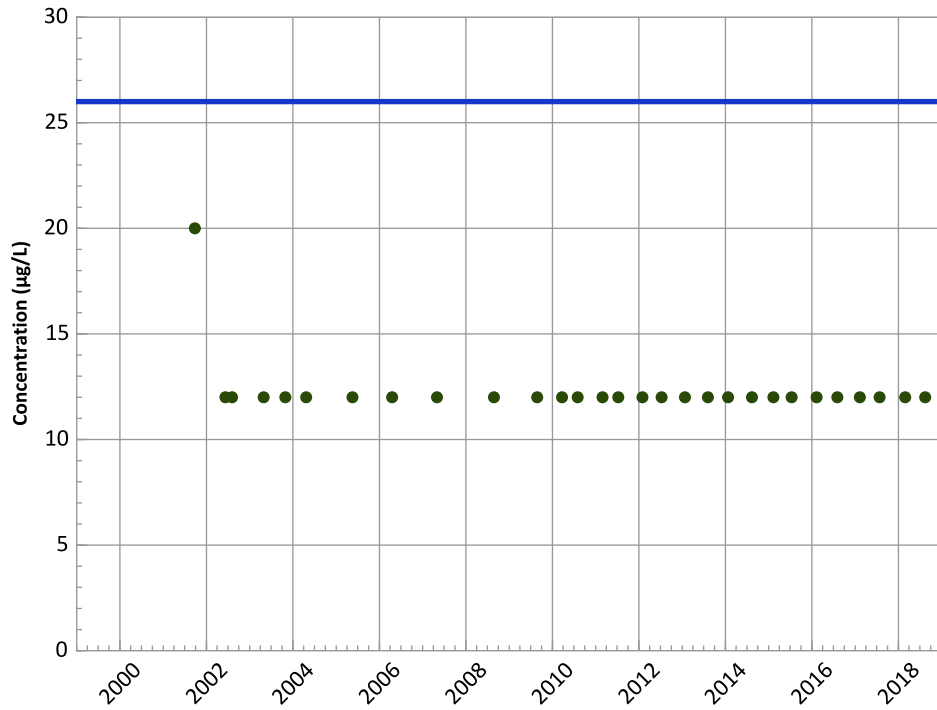


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend



Concentration Trend

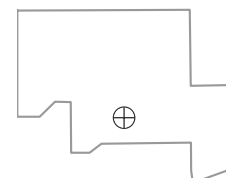
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

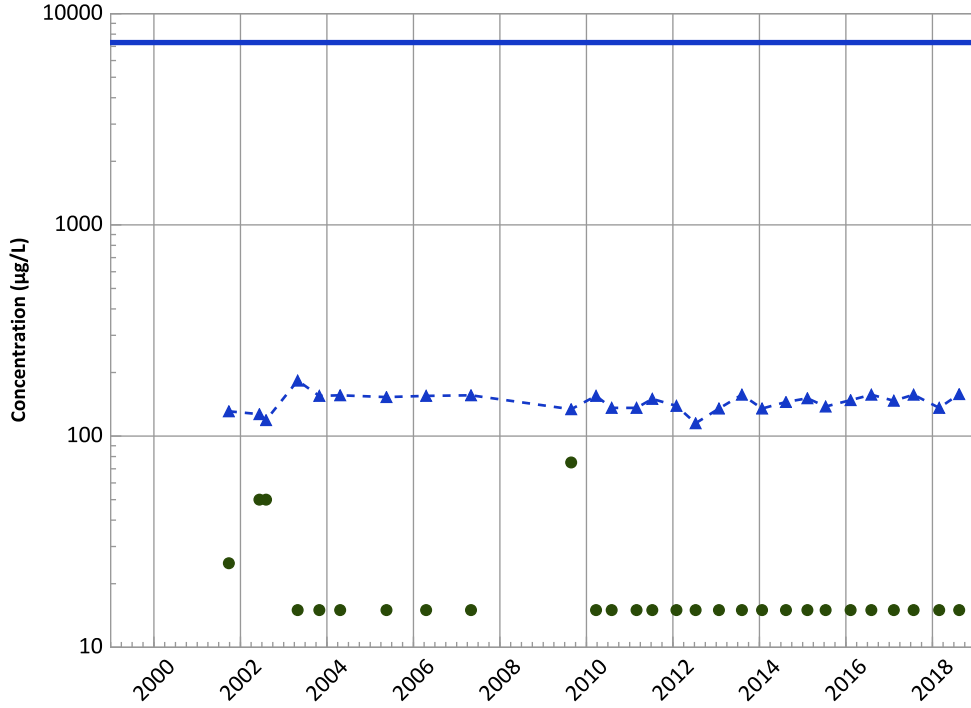
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1072 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

No Trend

MAROS Linear Regression Method

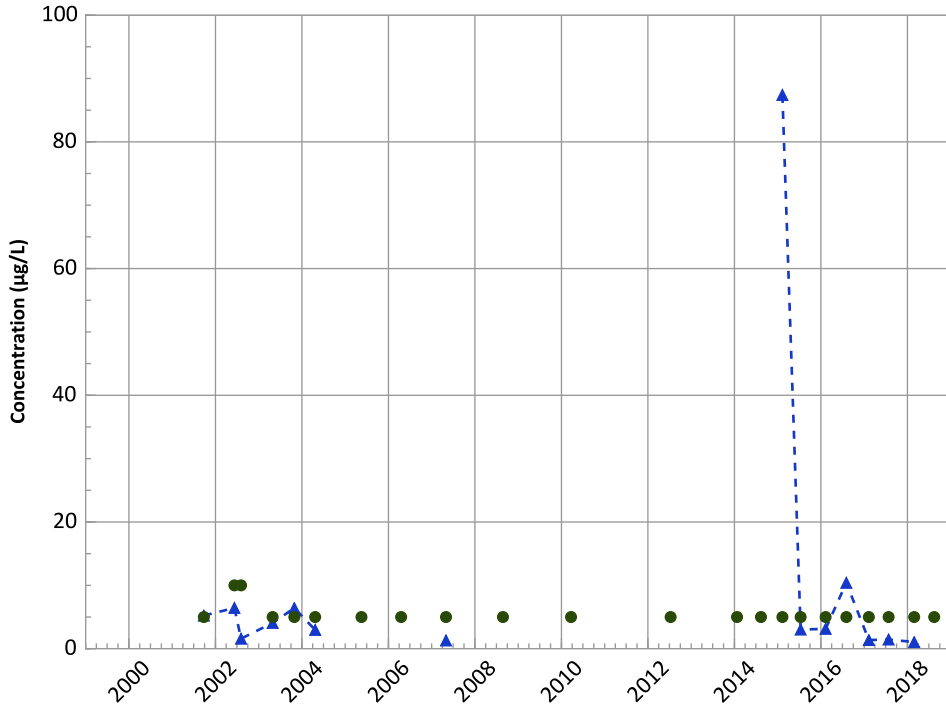
Data (2017 - 2021):

Increasing

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

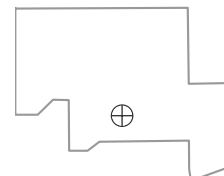
All Data:

No Trend

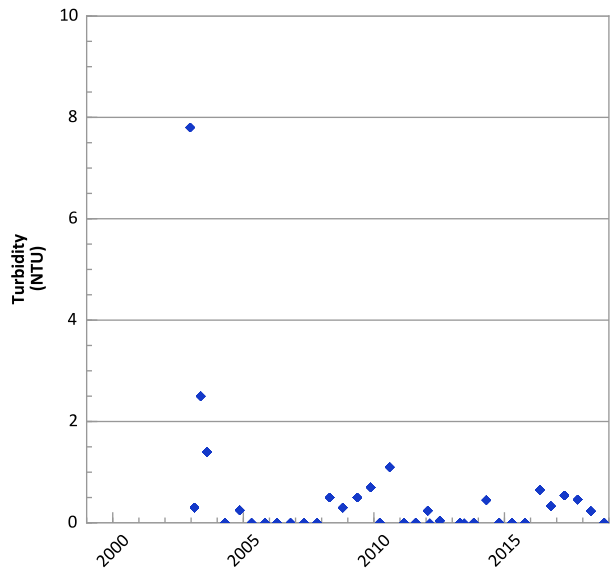
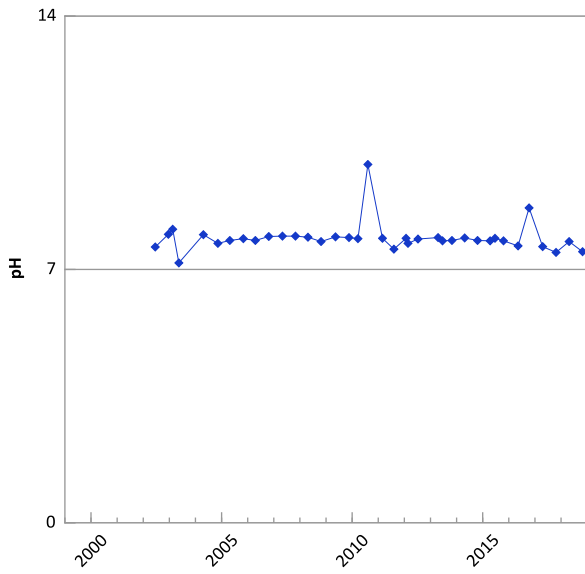
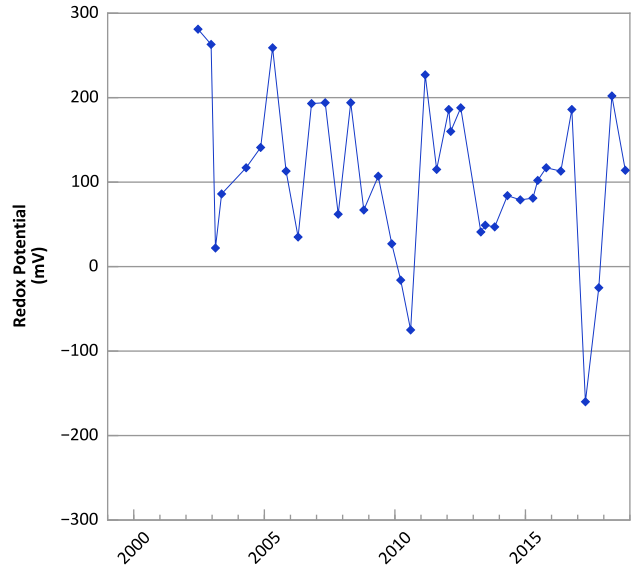
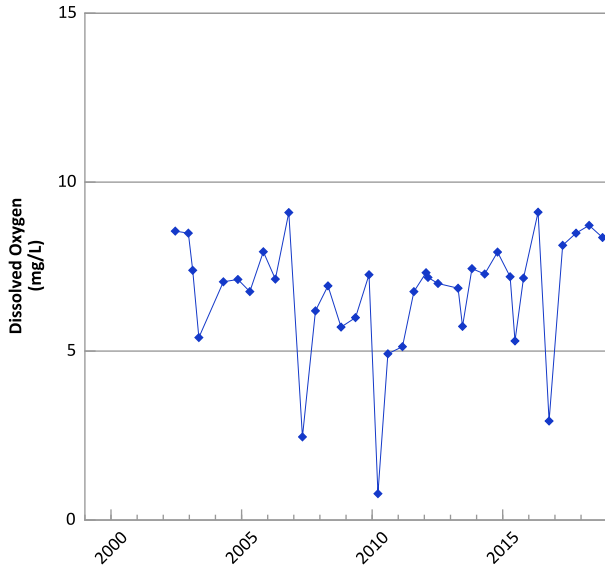
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/25/2001 to 08/15/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

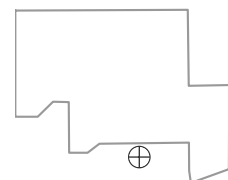


PTX06-1076 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Field Parameters



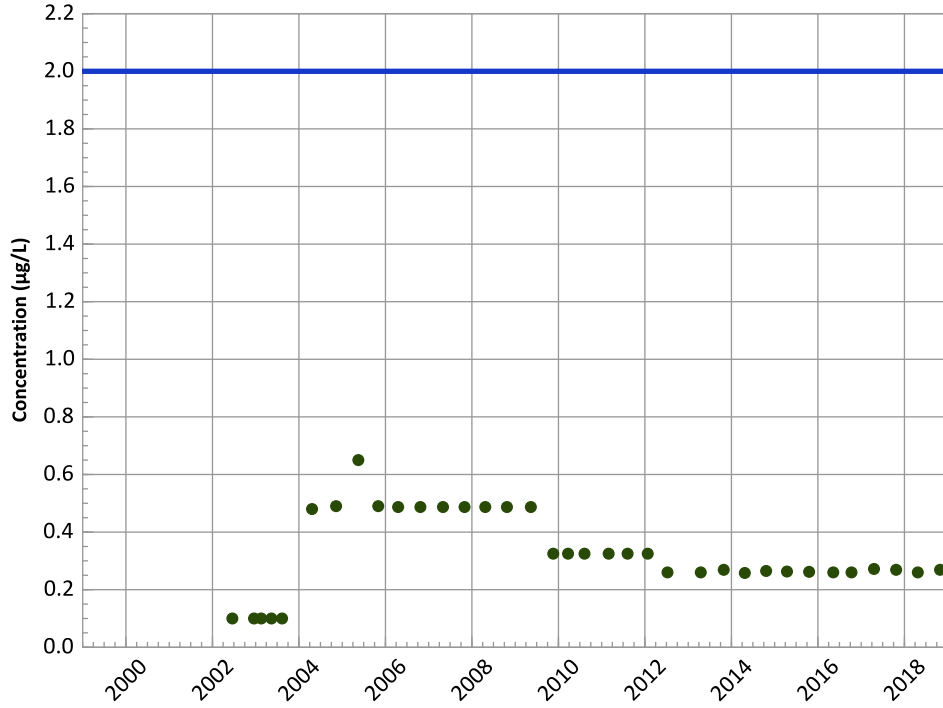
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/18/2002 to 10/29/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

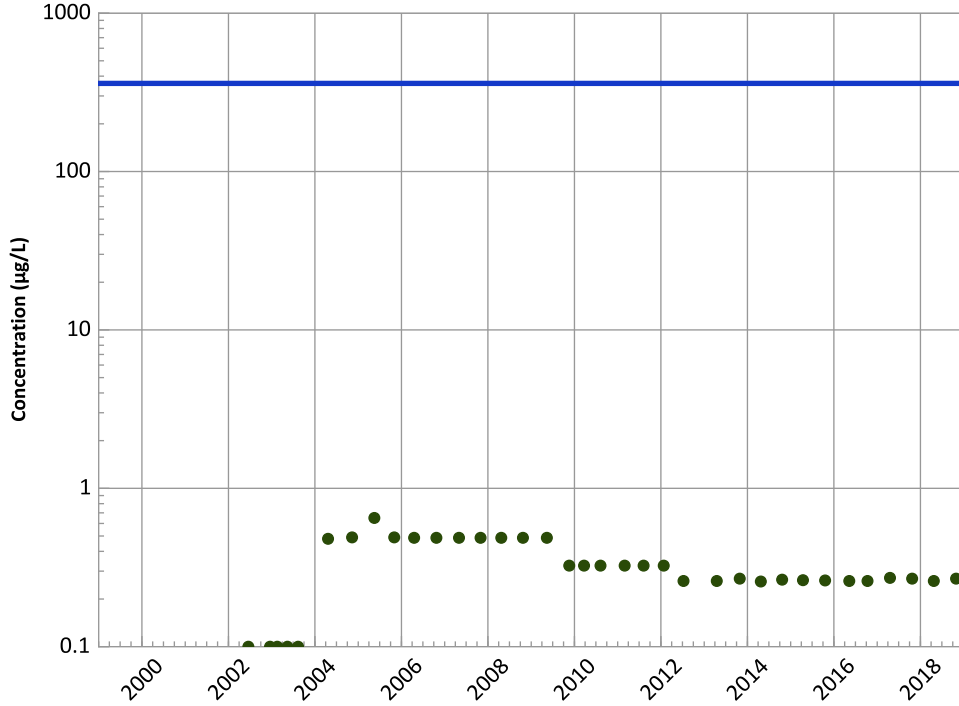
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

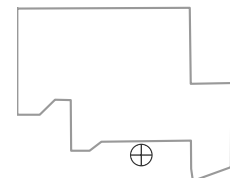
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

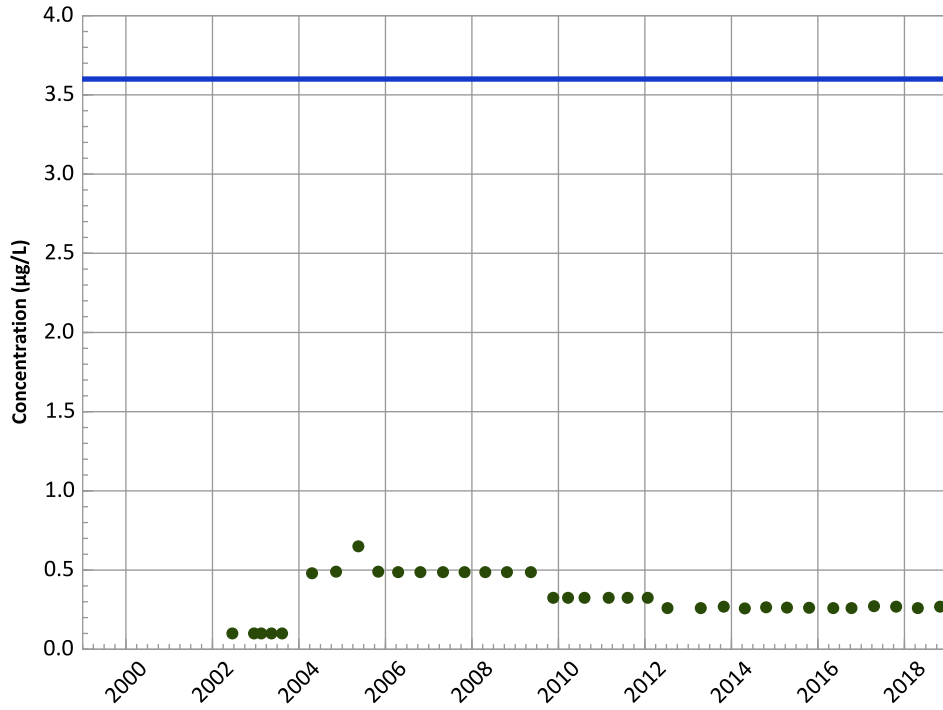
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

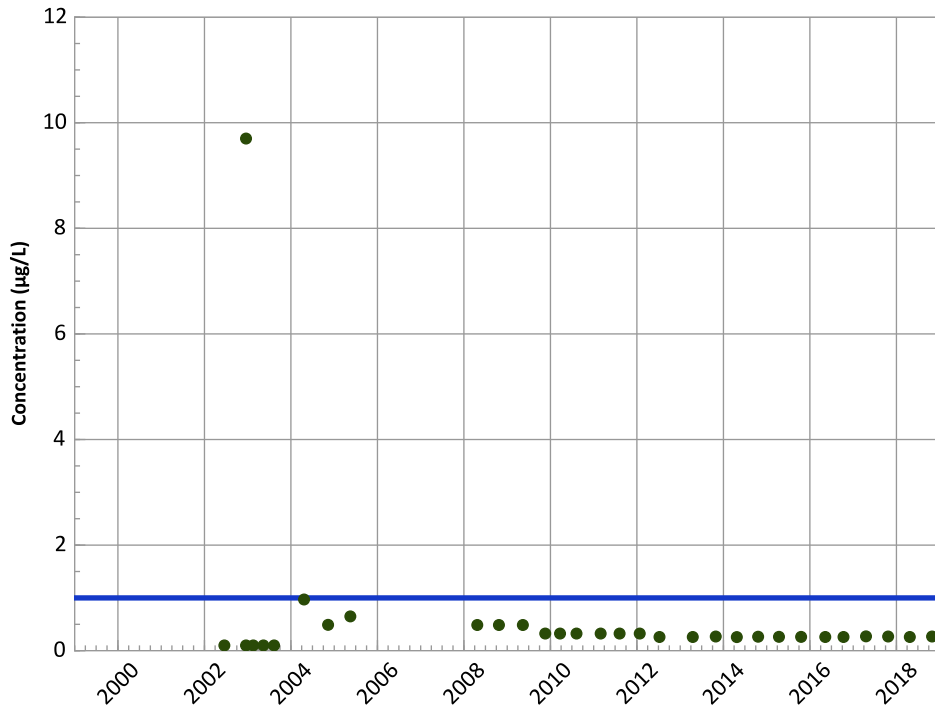
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

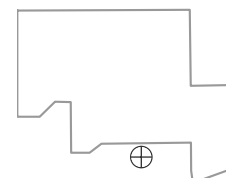
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

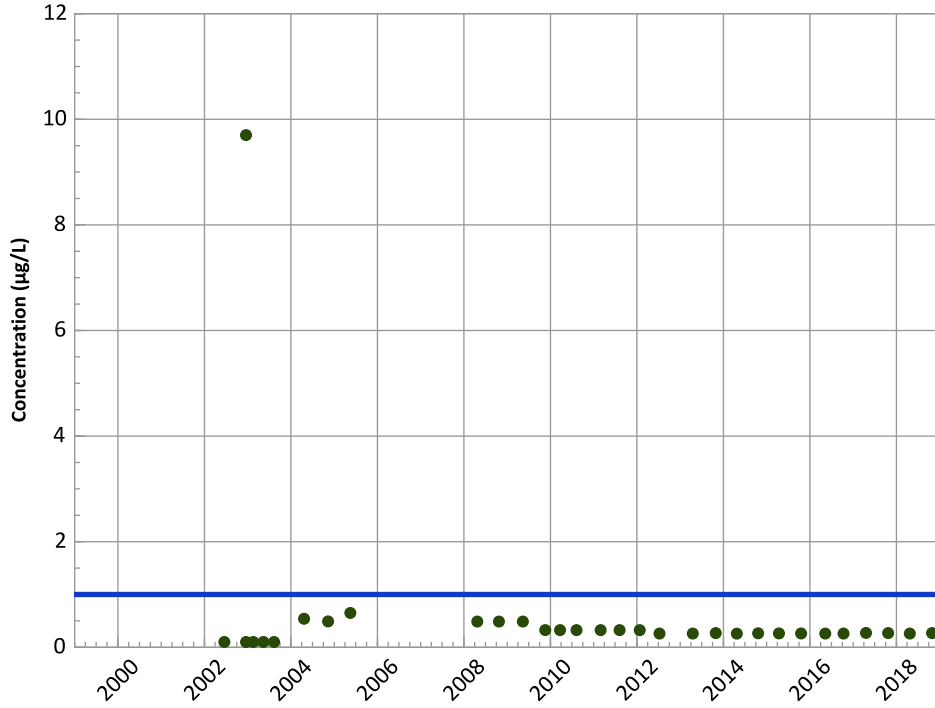
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

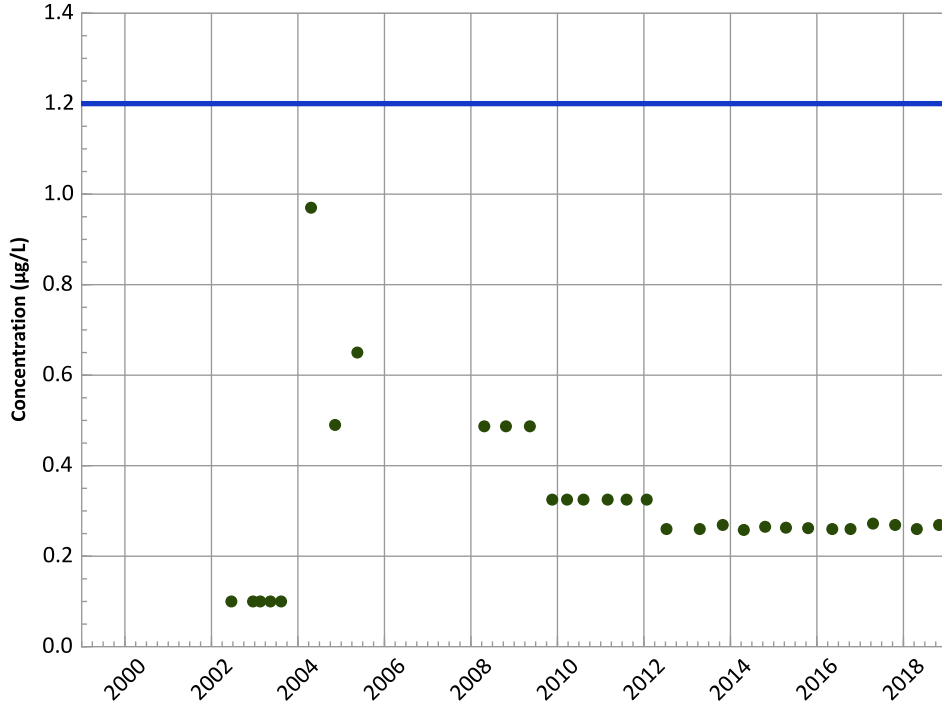
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

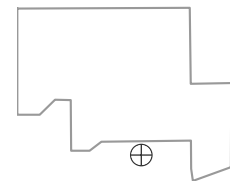
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

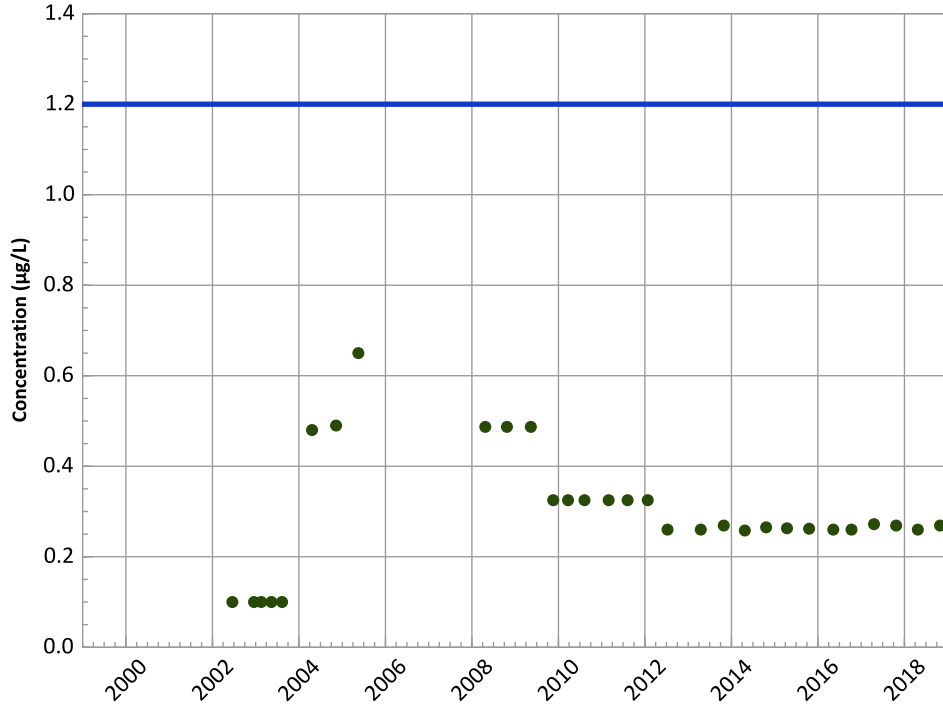


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

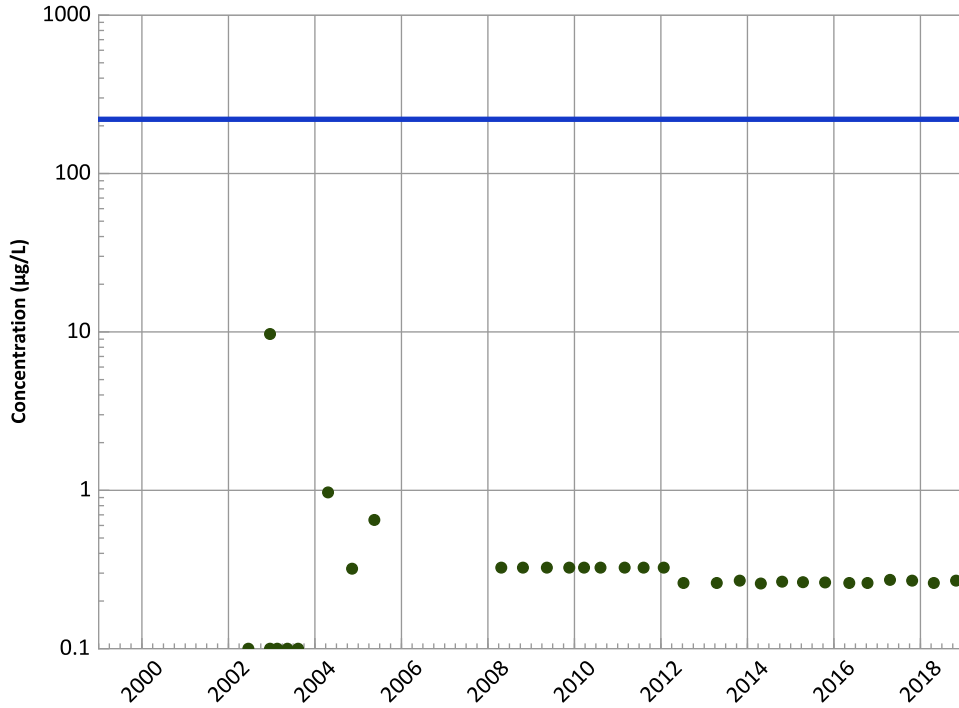
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

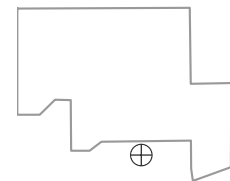
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

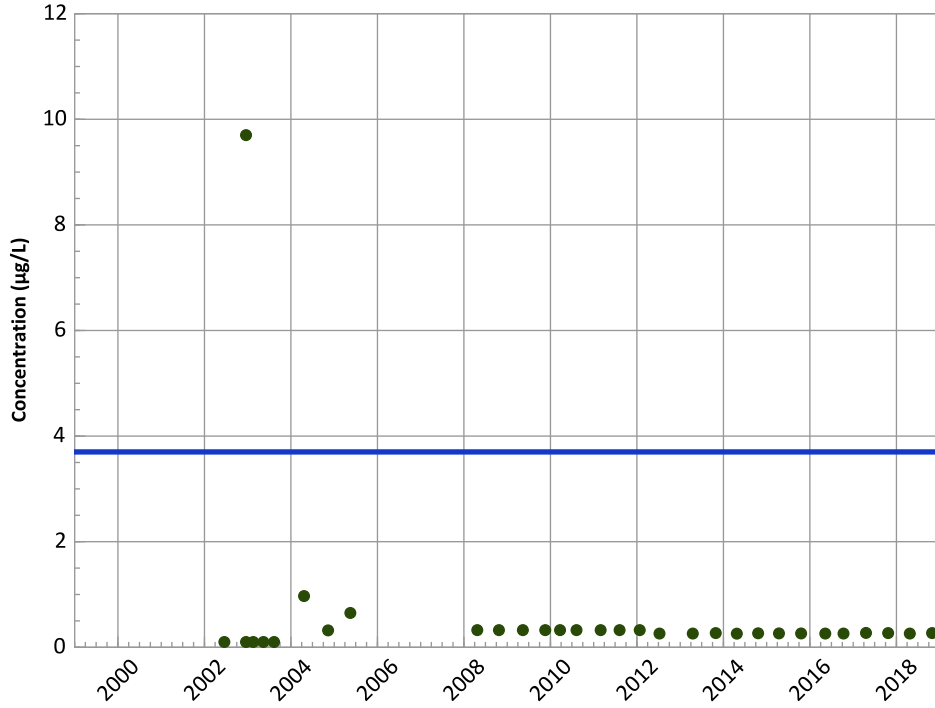


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

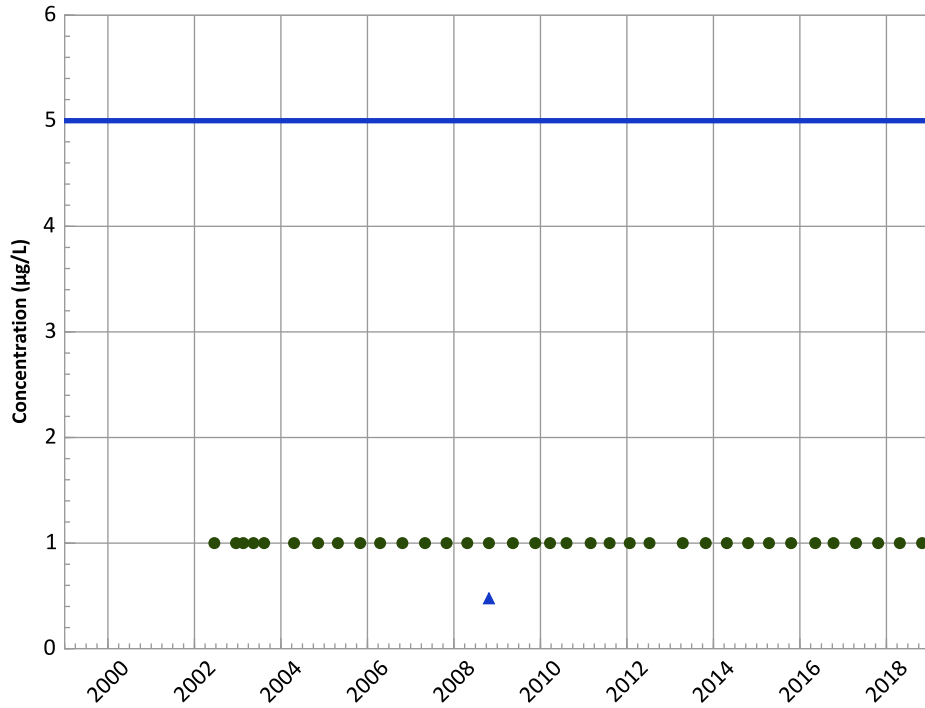
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

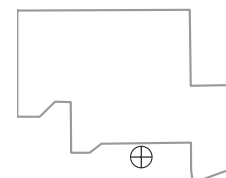
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

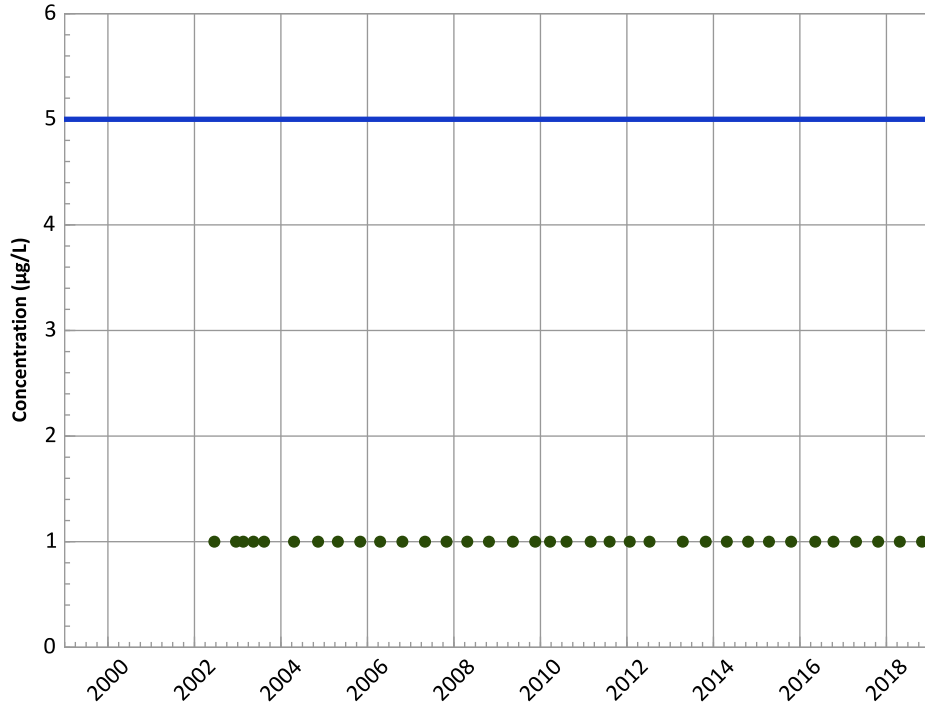


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

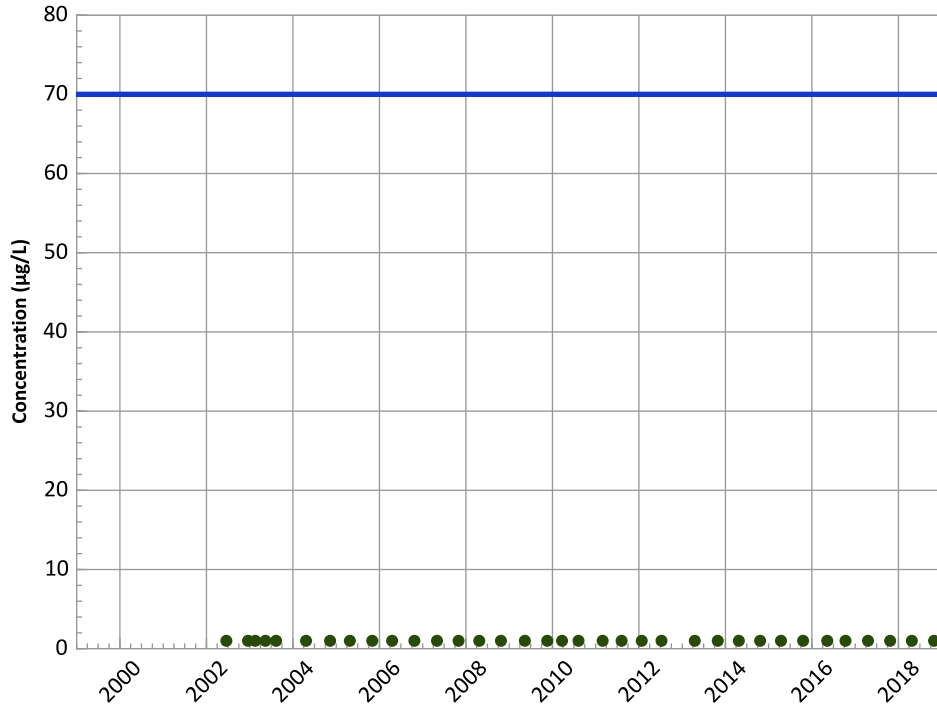
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

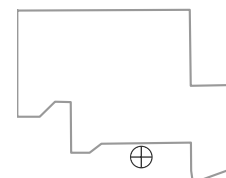
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

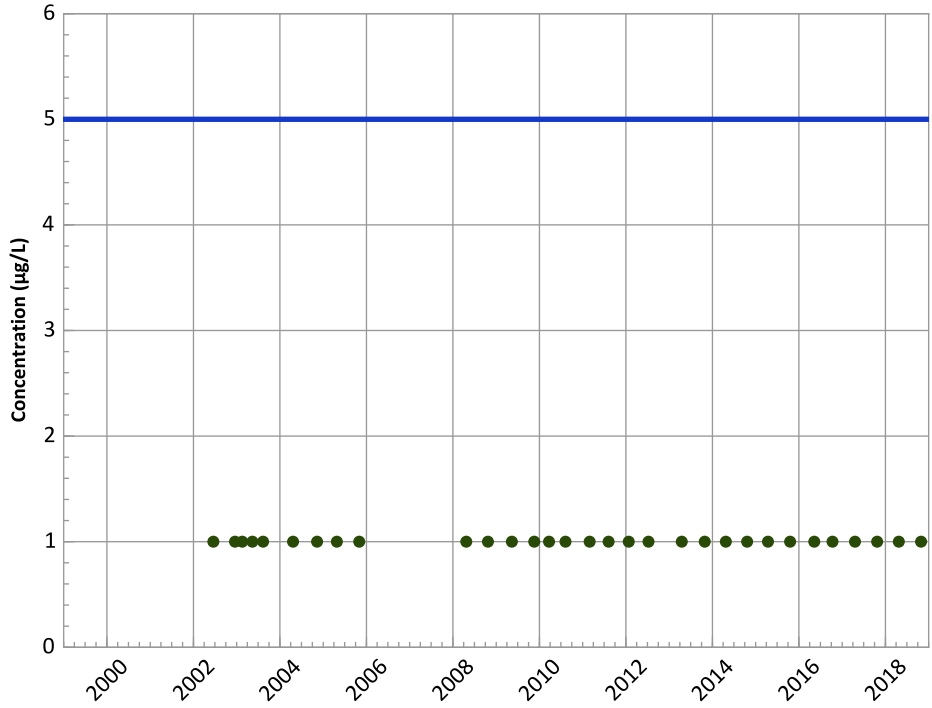
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

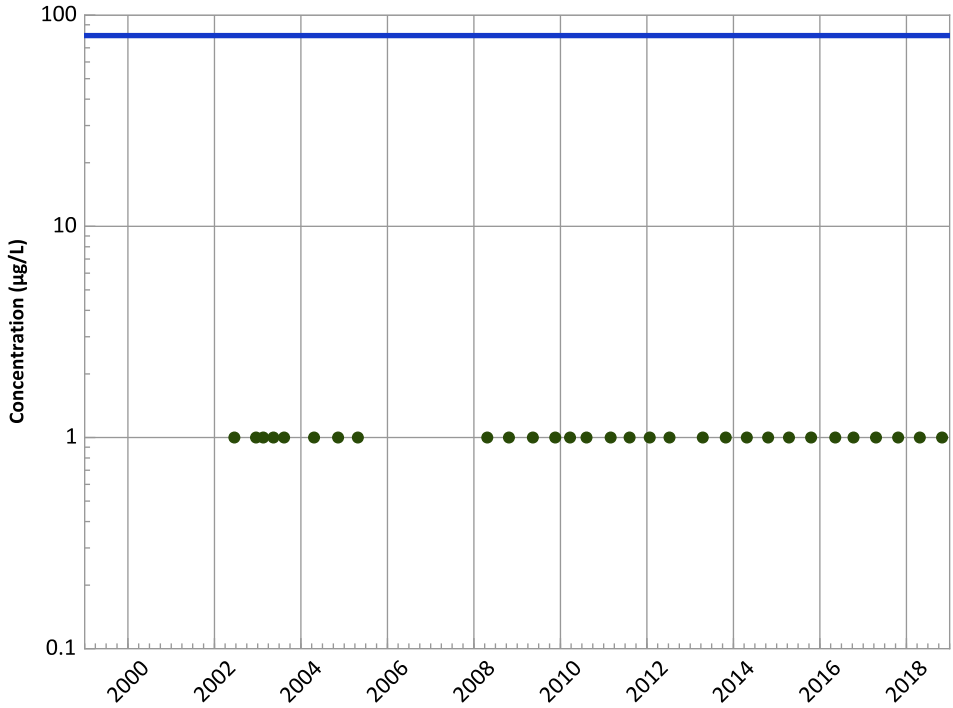
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

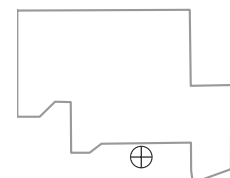
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

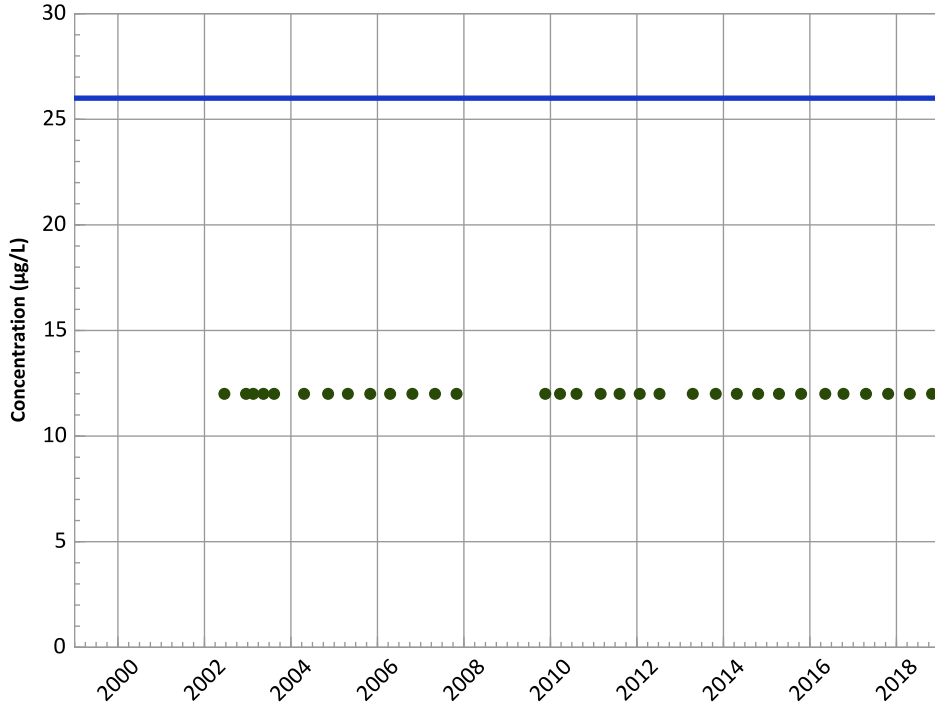


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

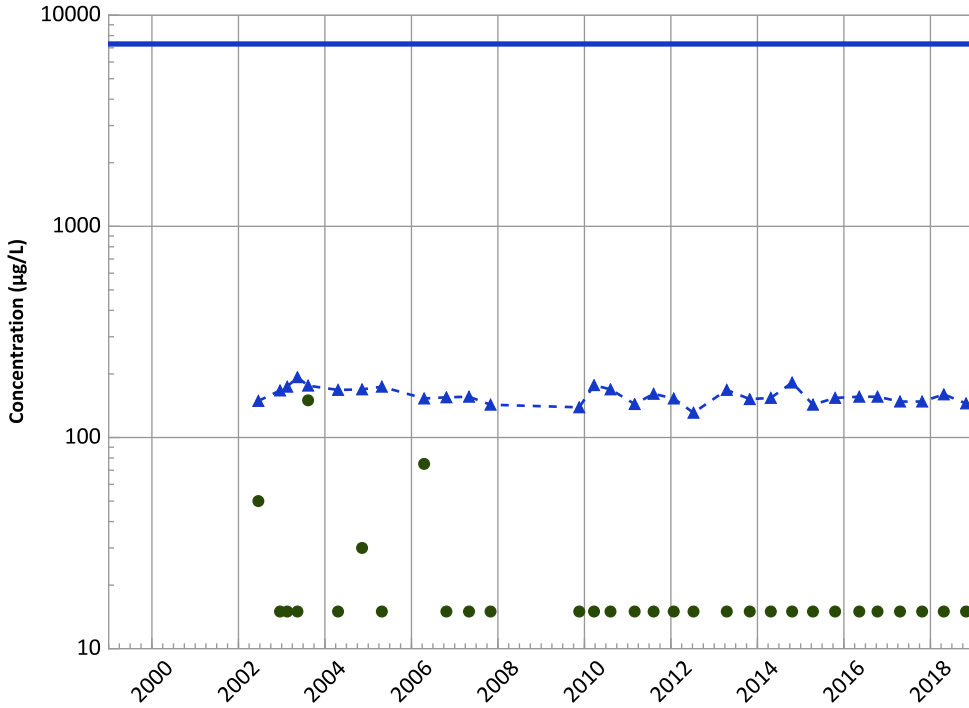
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

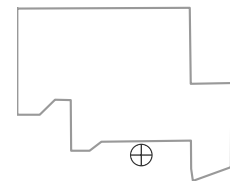
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Well Location

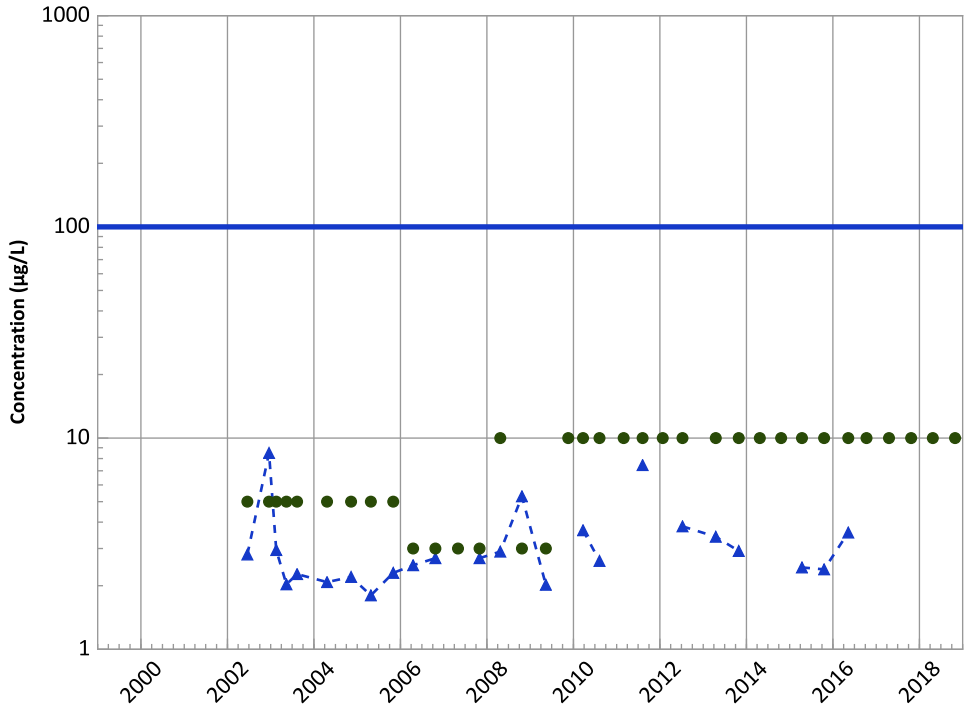


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

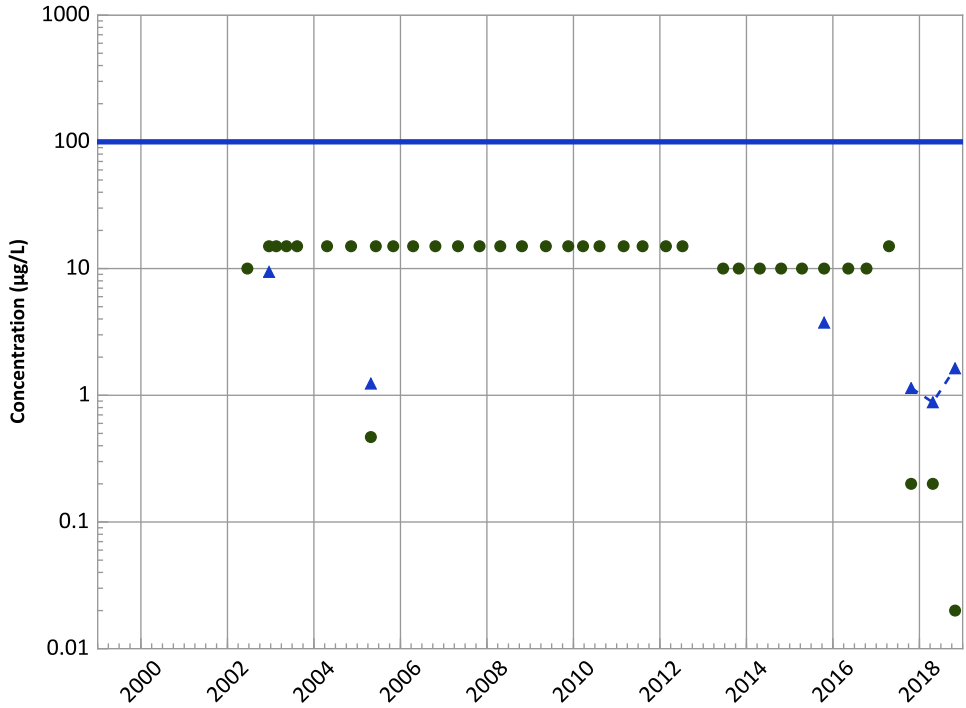
Data (2017 - 2021):

Stable

All Data:

No Trend

Chromium, Hexavalent Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

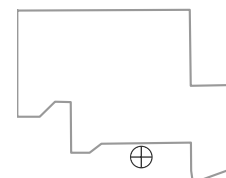
All Data:

No Trend

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

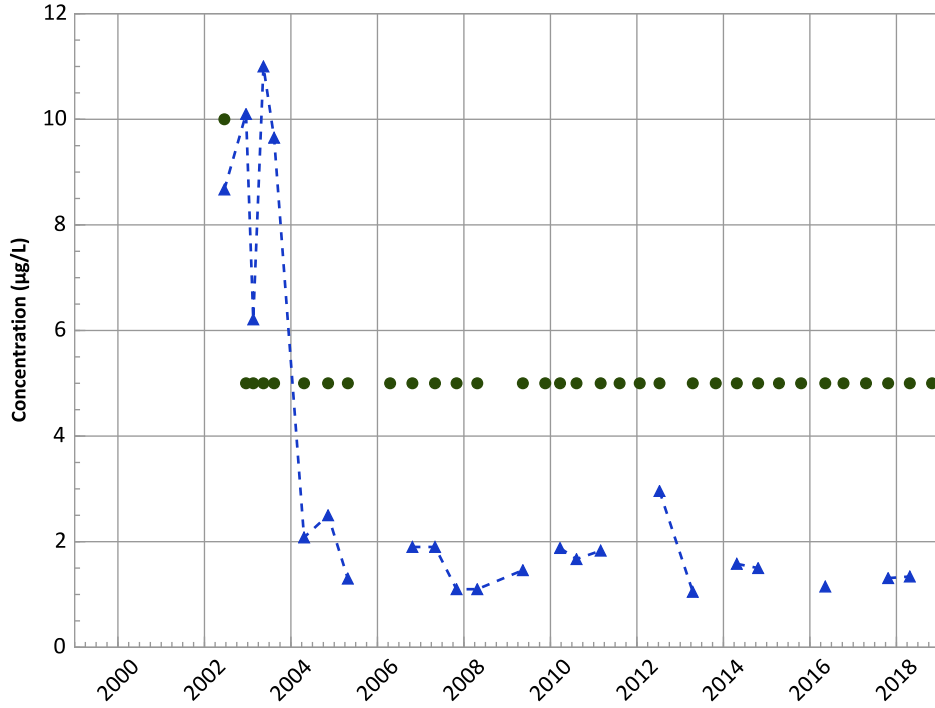
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

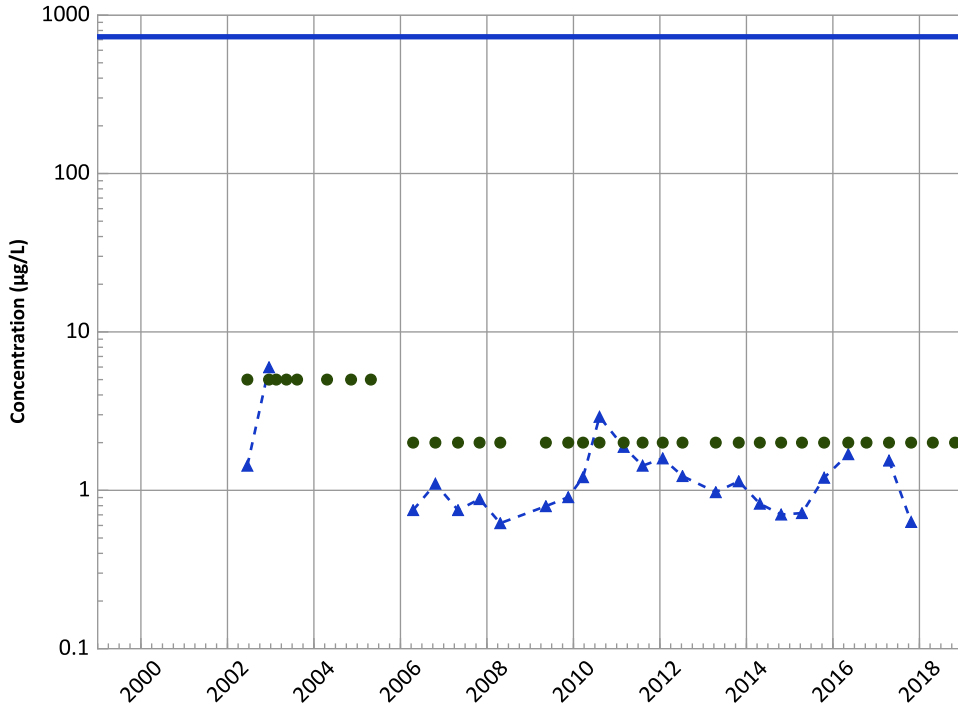
Data (2017 - 2021):

Stable

All Data:

Decreasing

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

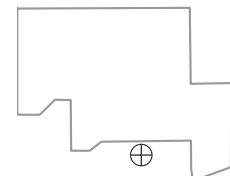
Data (2017 - 2021):

Stable

All Data:

Stable

Well Location

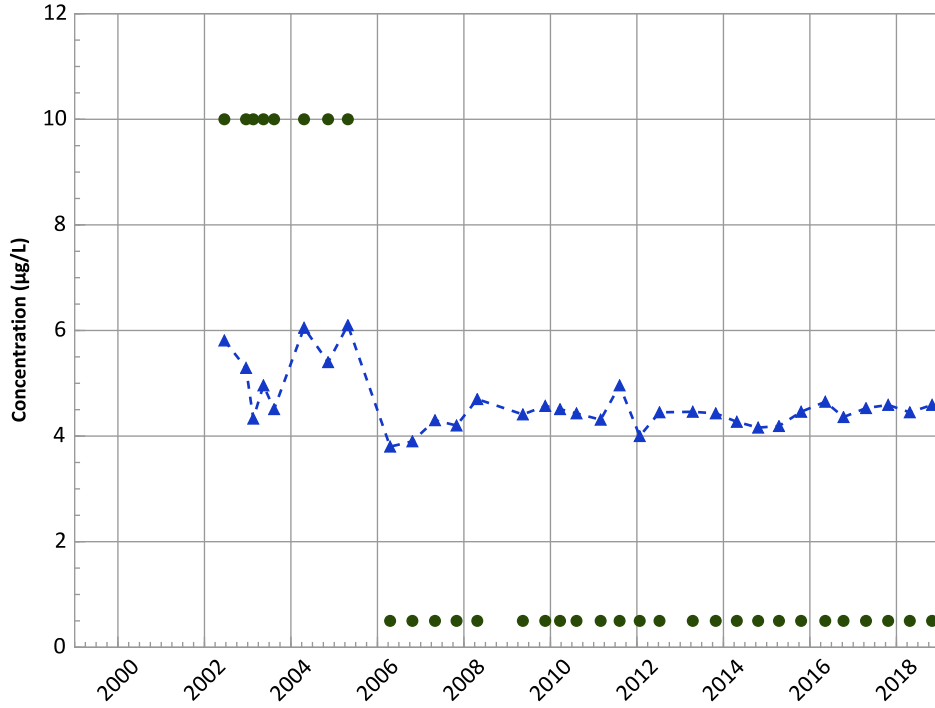


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1076 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

No Trend

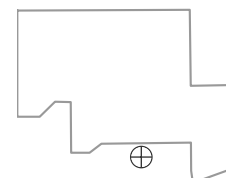
All Data:

Decreasing

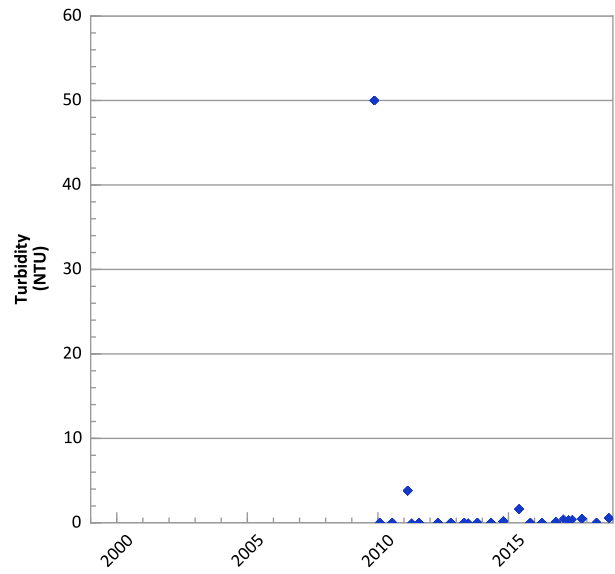
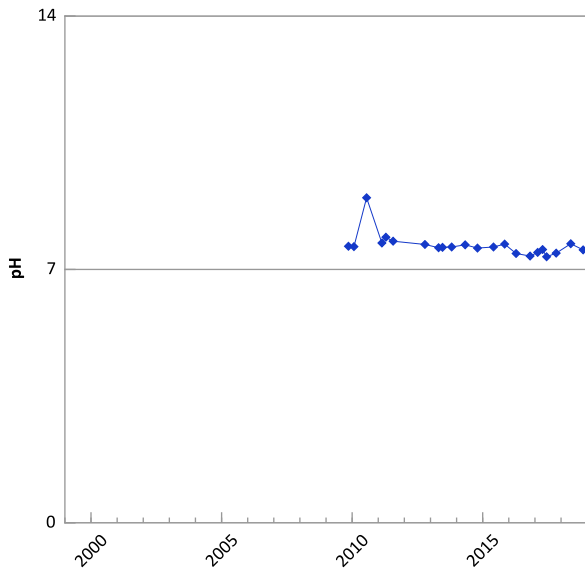
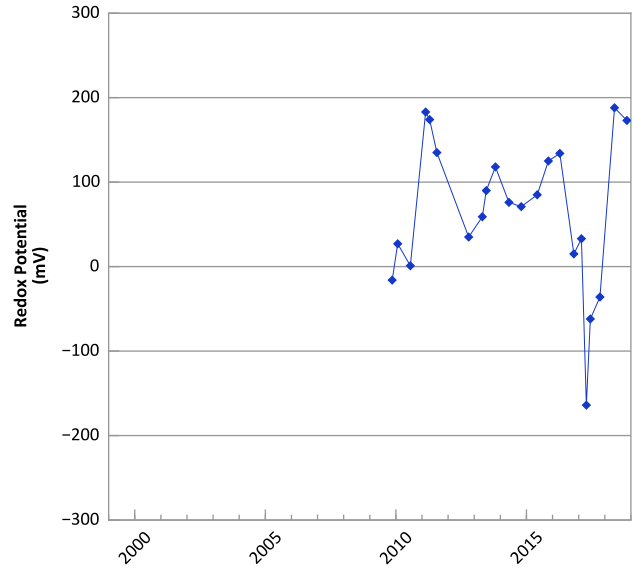
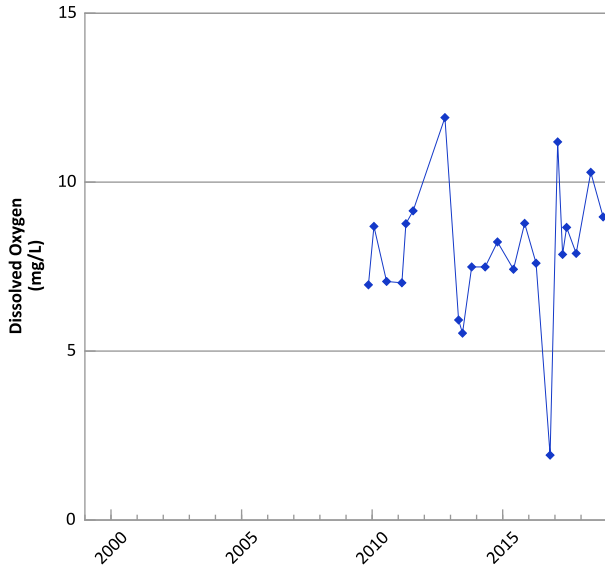
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/18/2002 to 10/29/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

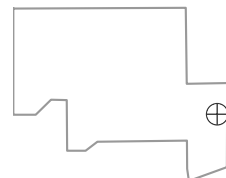


**PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



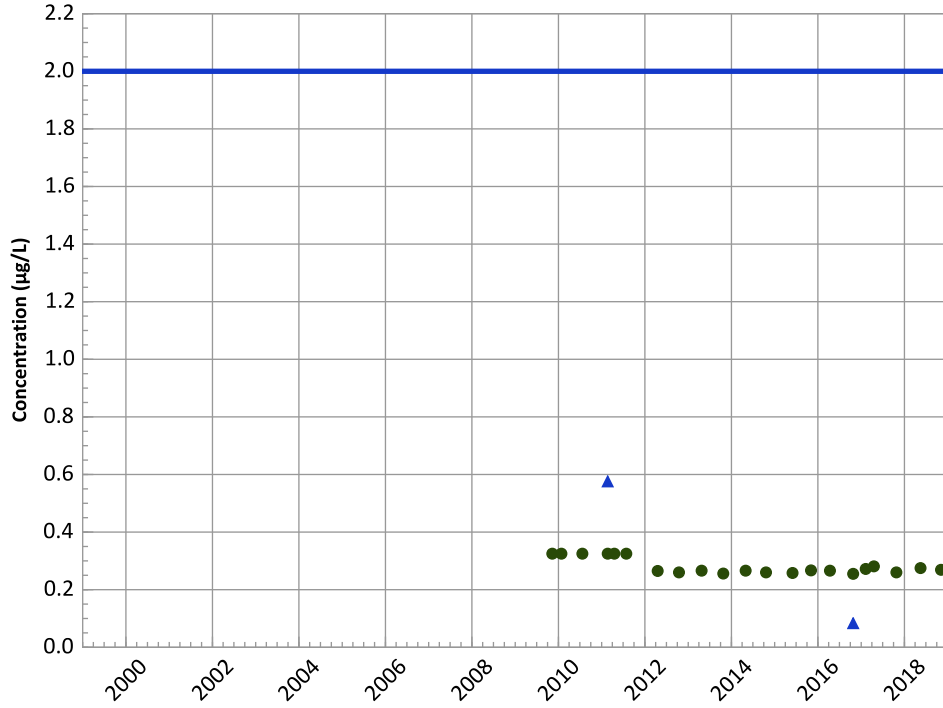
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/10/2009 to 11/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

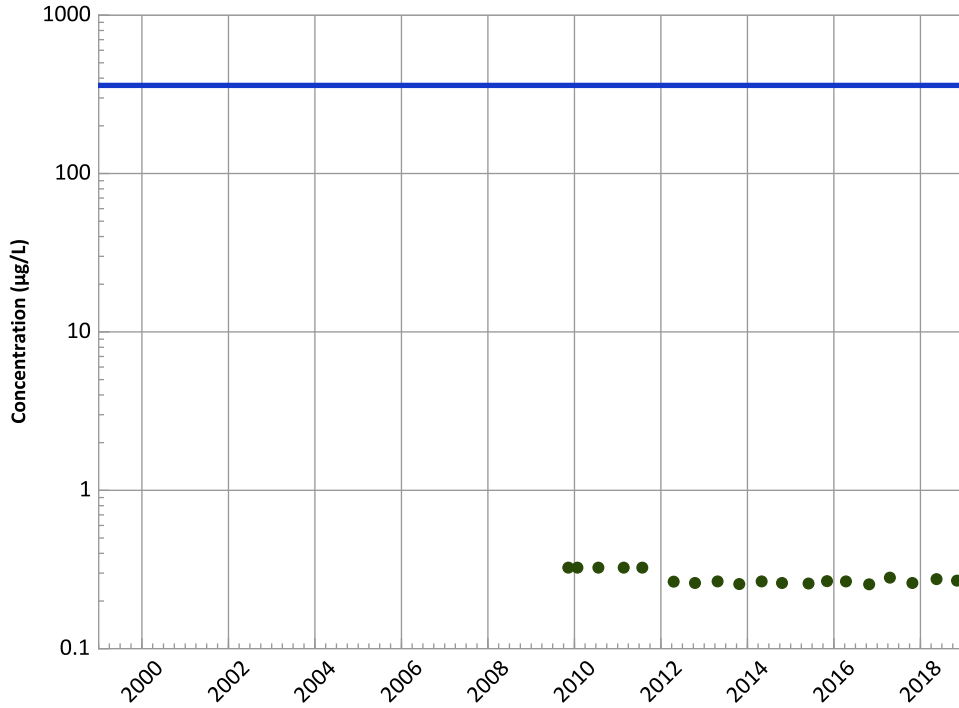


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

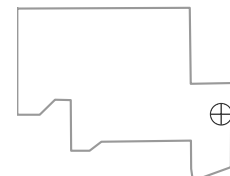
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

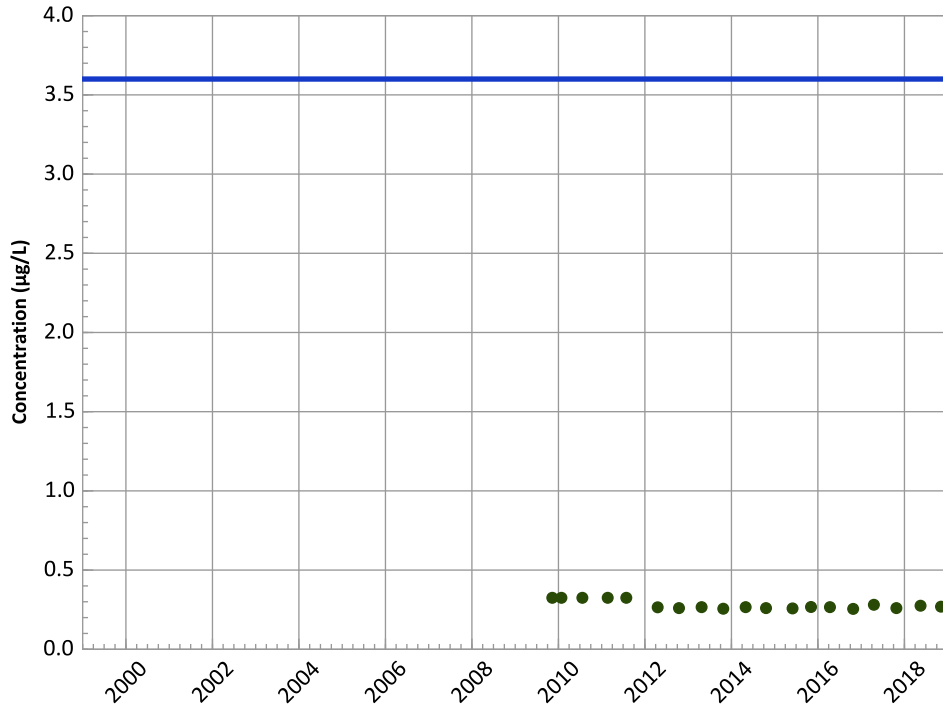
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

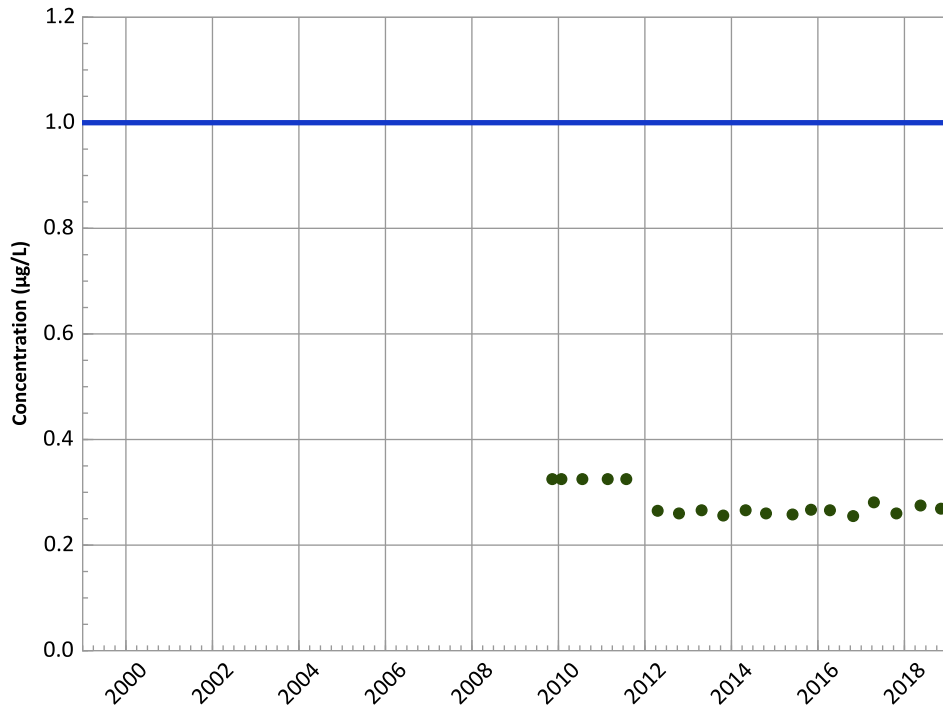
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

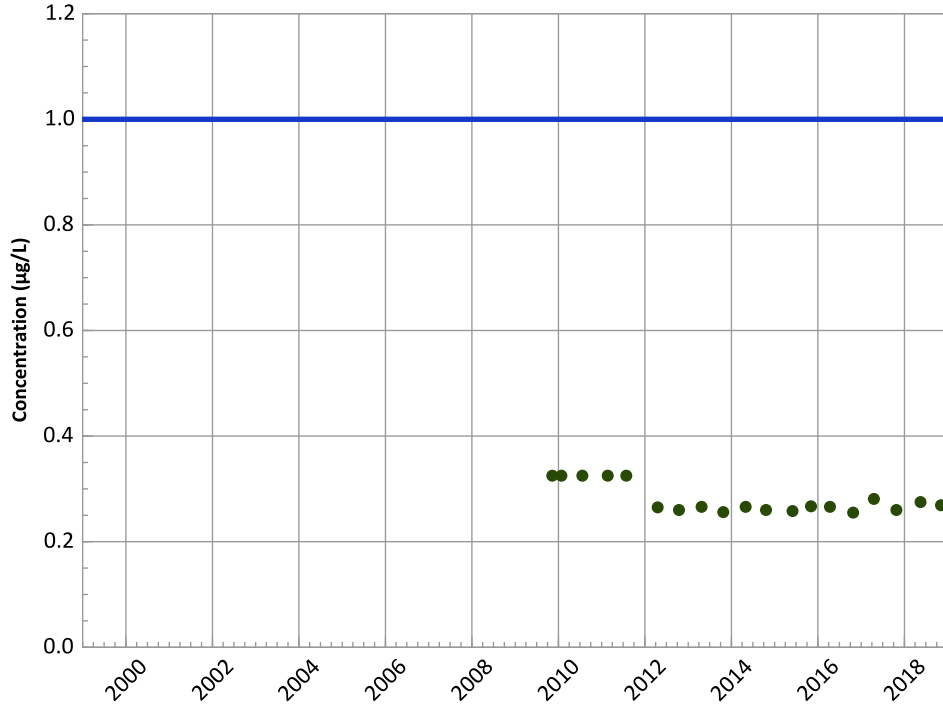


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

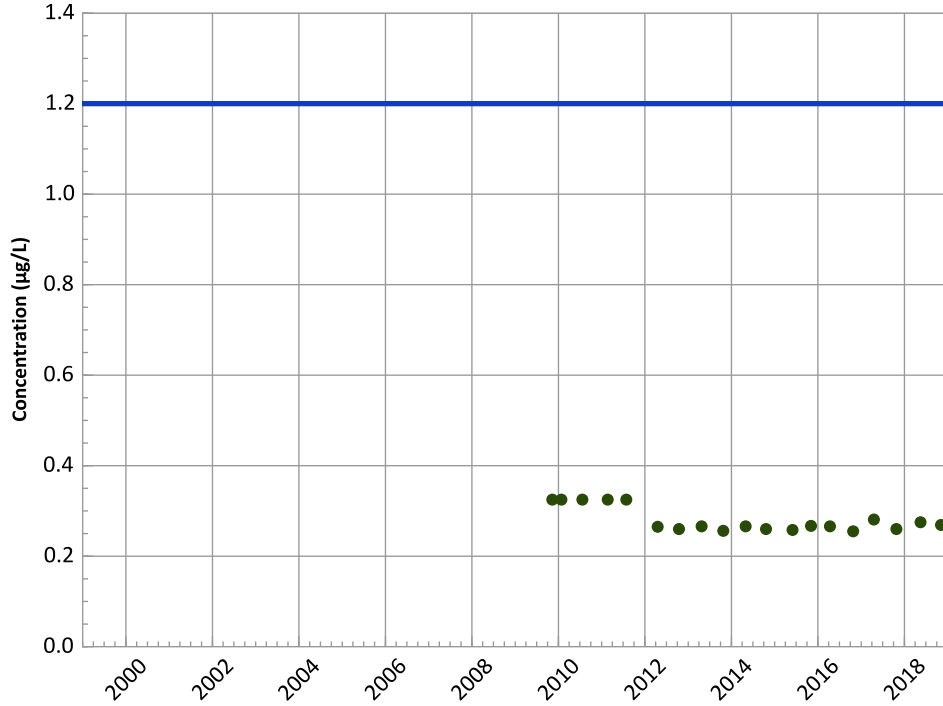
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

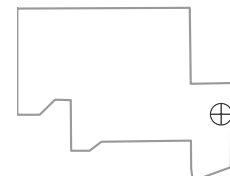
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

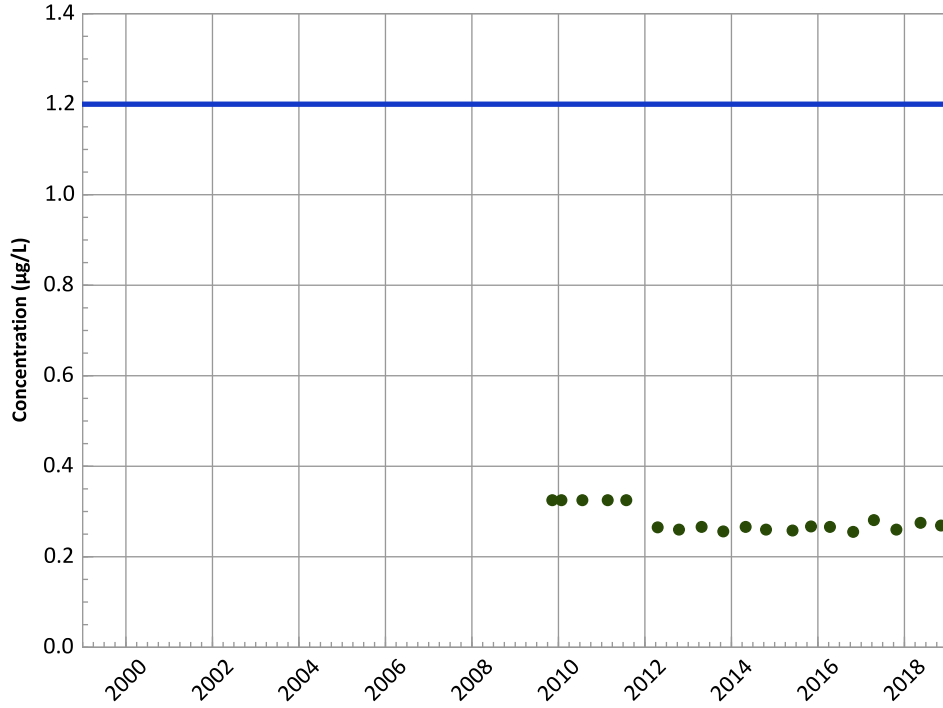


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

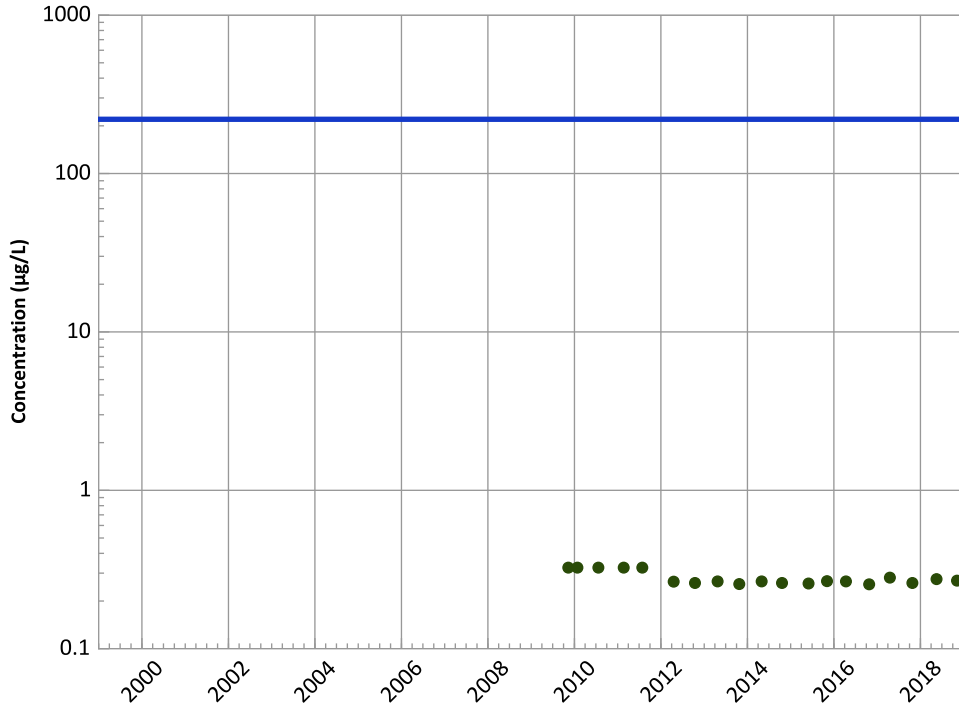
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

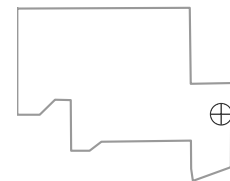
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

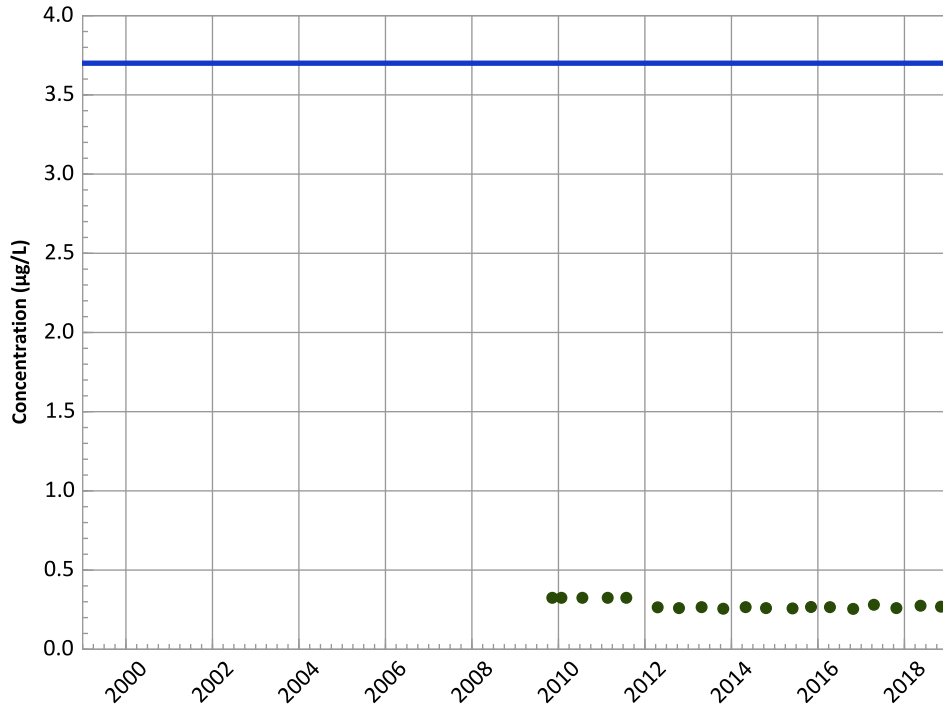


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

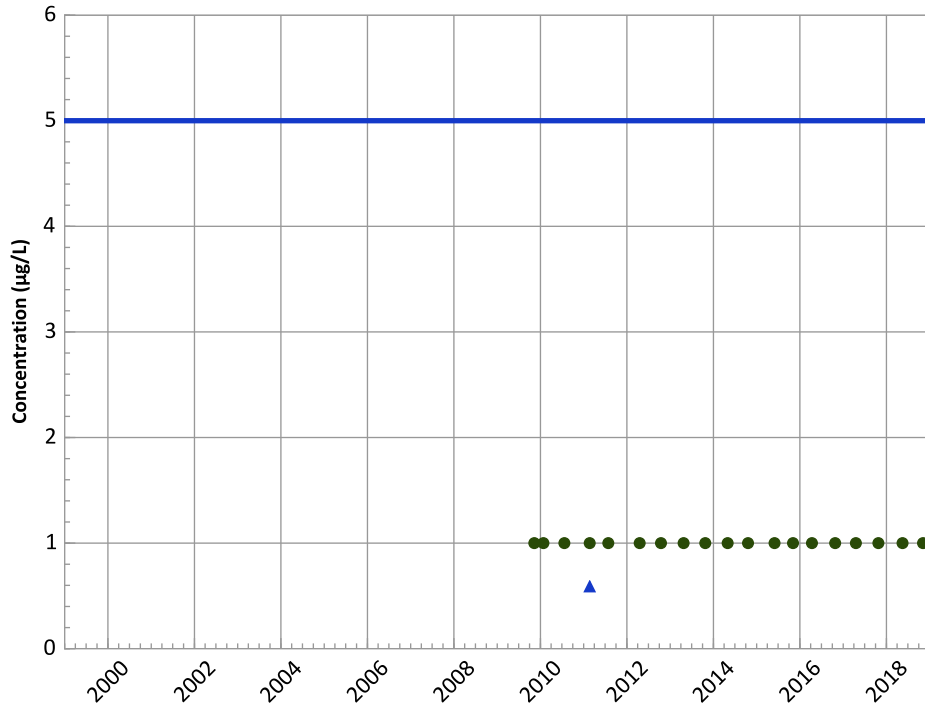
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

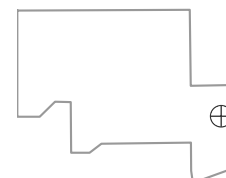
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

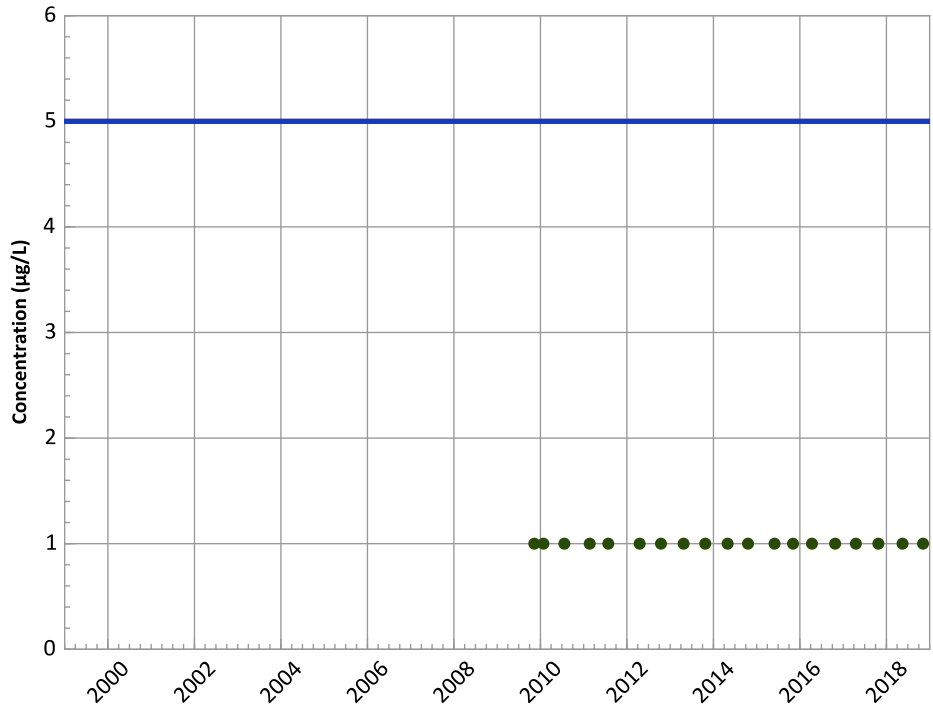


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

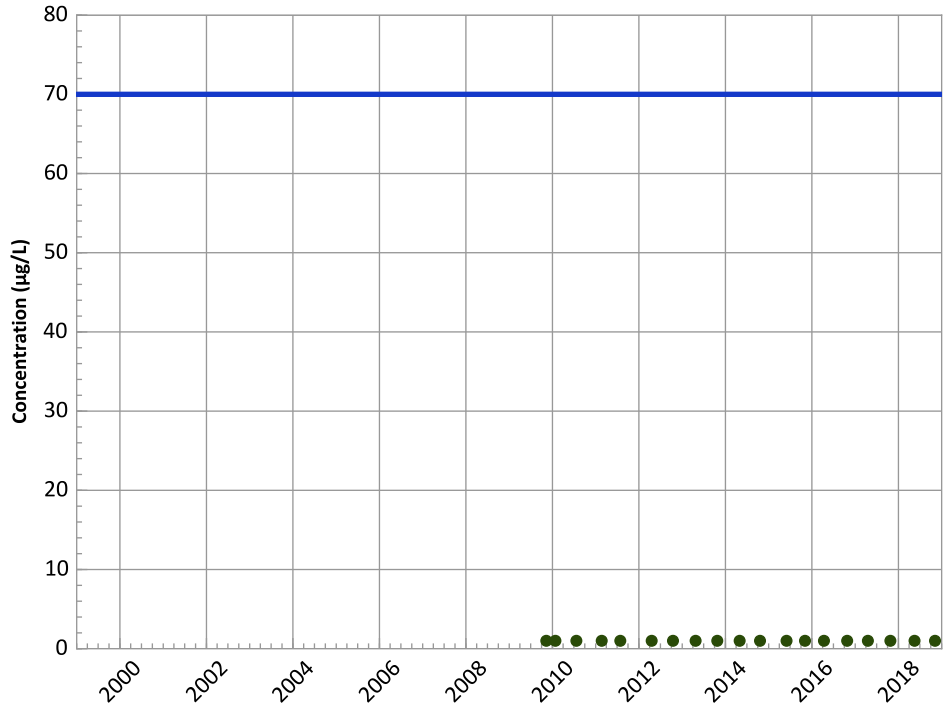
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

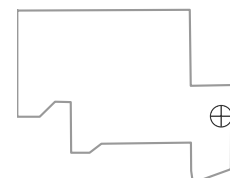
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

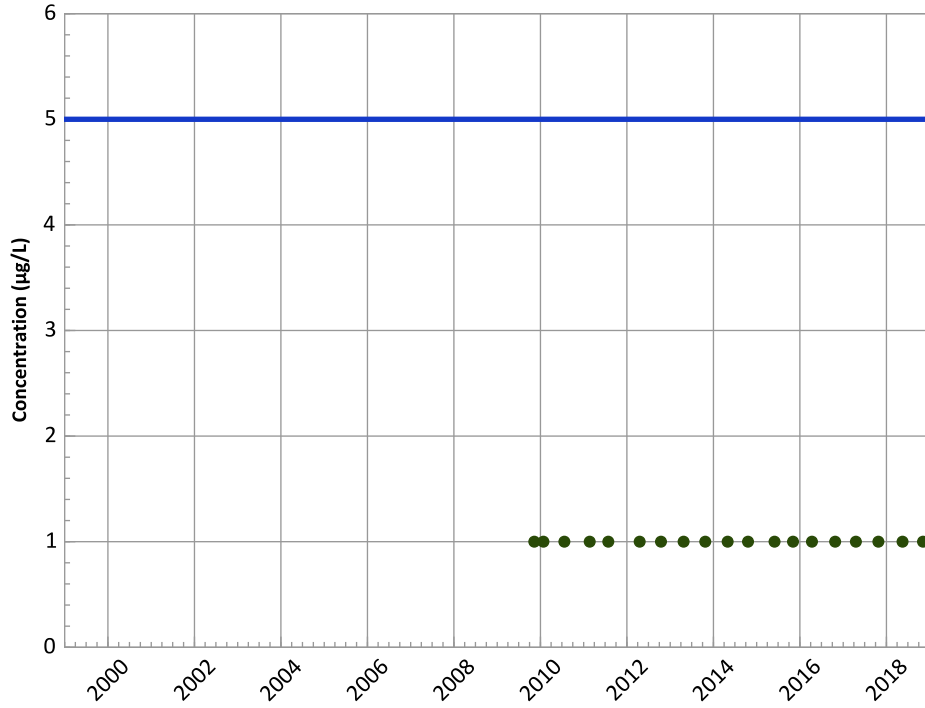


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

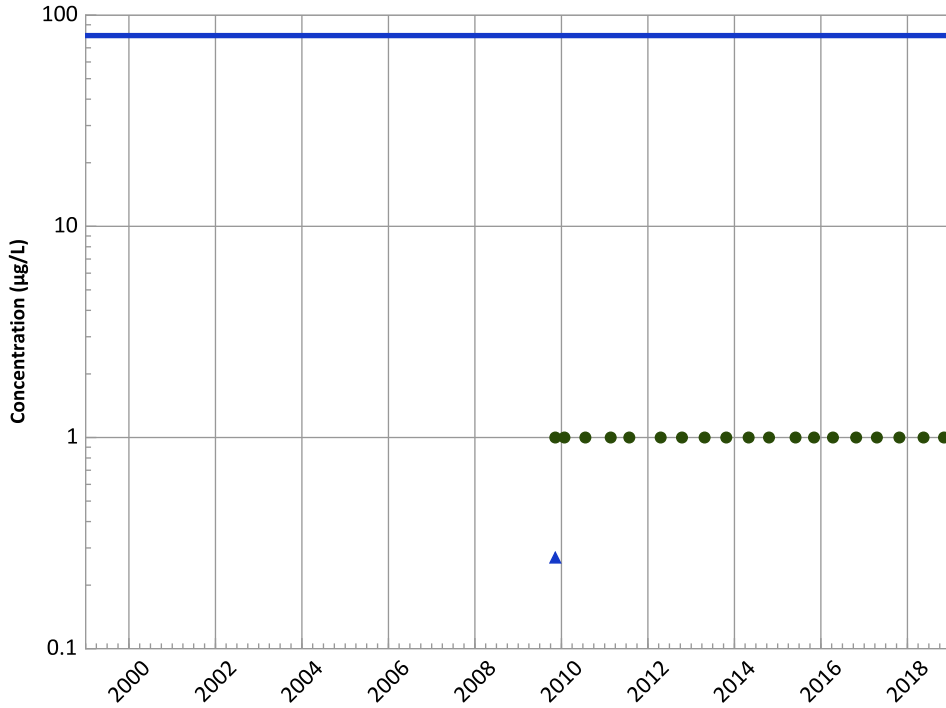
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

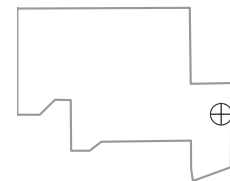
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

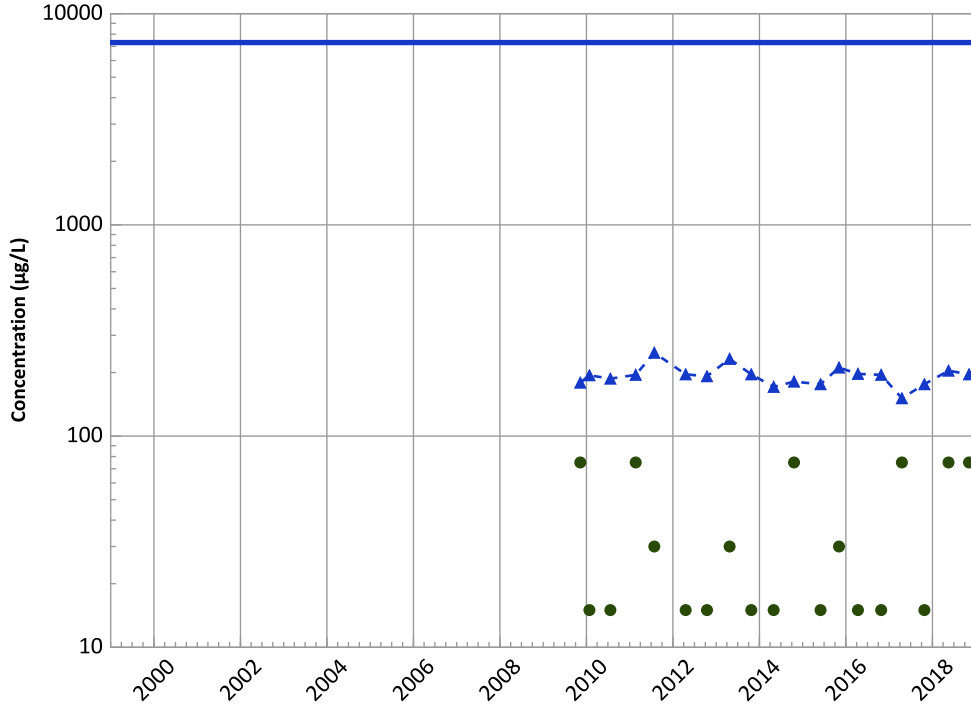


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Stable

MAROS Linear Regression Method

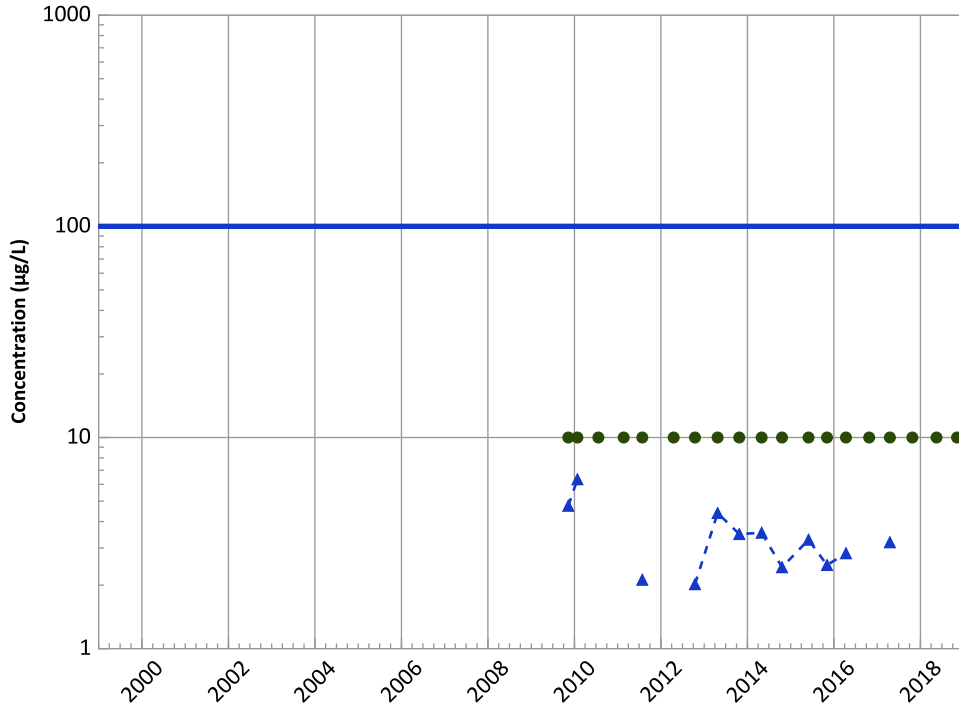
Data (2017 - 2021):

Stable

All Data:

Stable

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

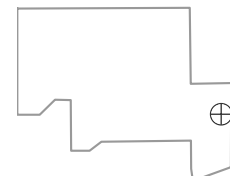
Data (2017 - 2021):

Stable

All Data:

Probably Decreasing

Well Location

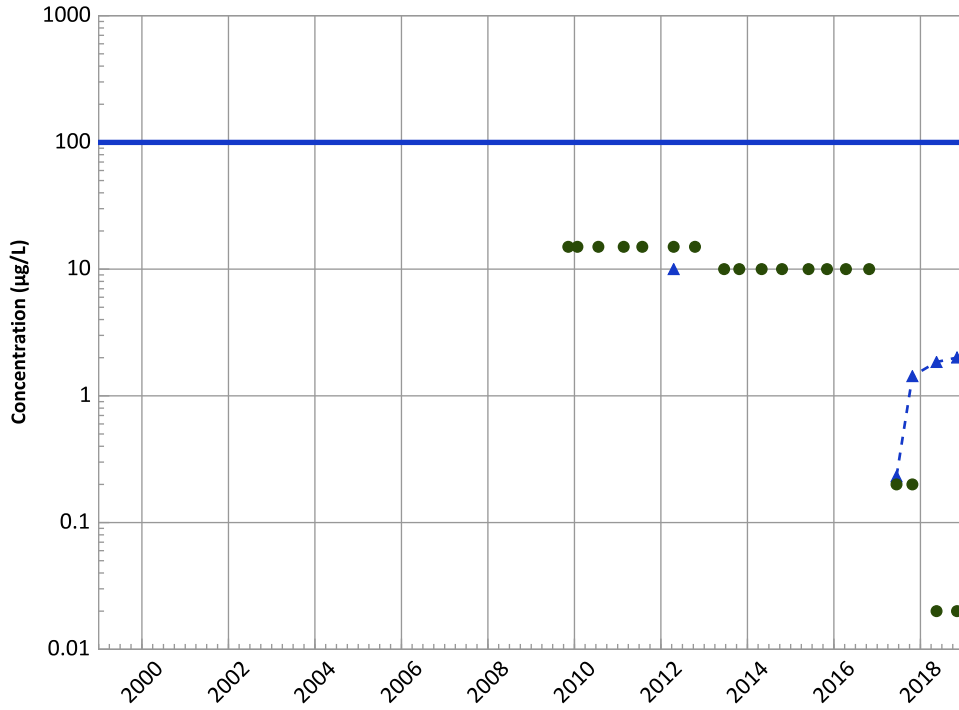


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

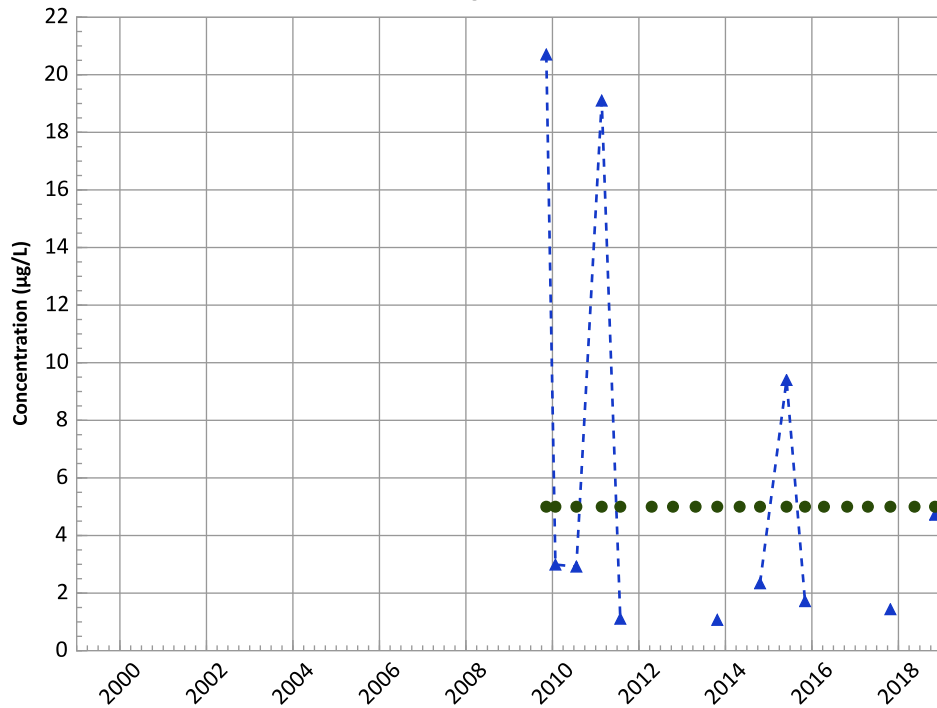


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Manganese Trend

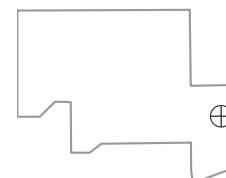


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

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

Well Location

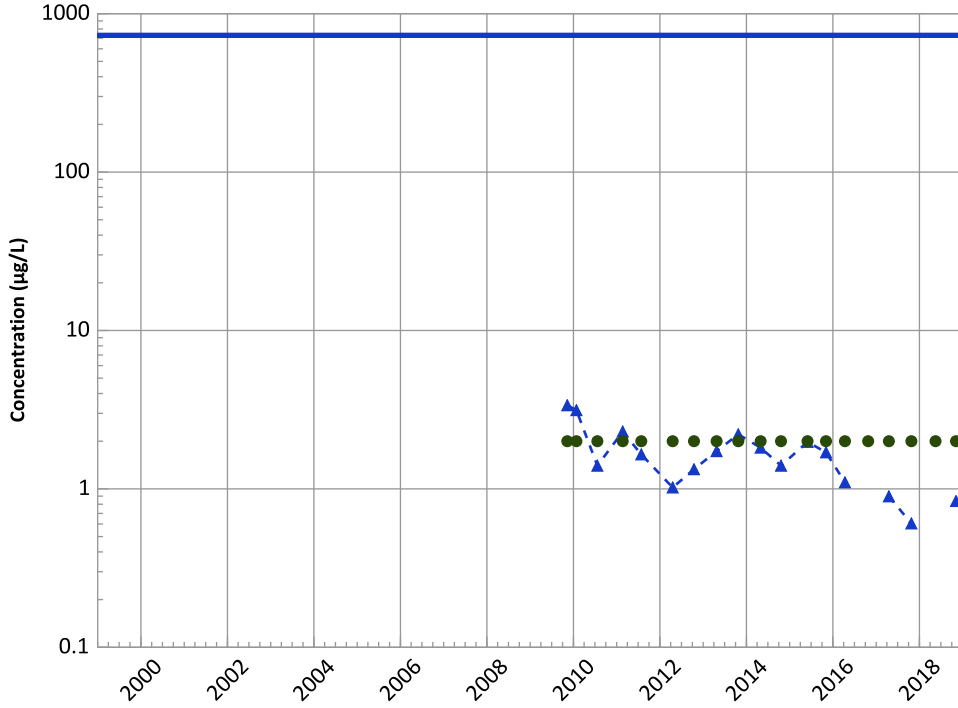


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1137A in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

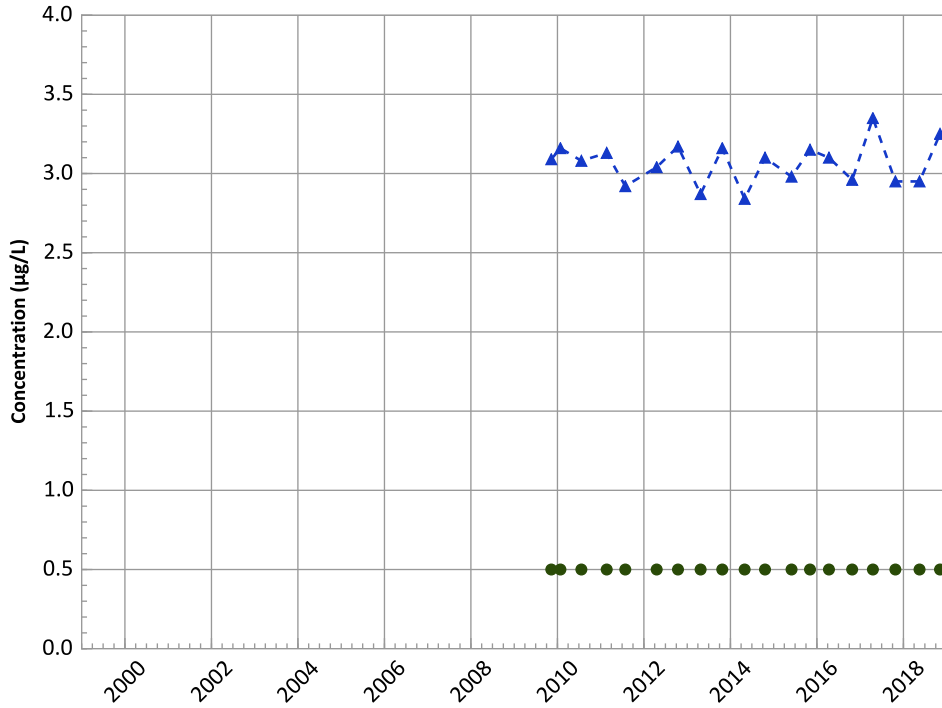
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

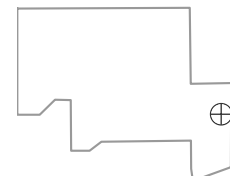
Data (2017 - 2021):

Decreasing

All Data:

Increasing

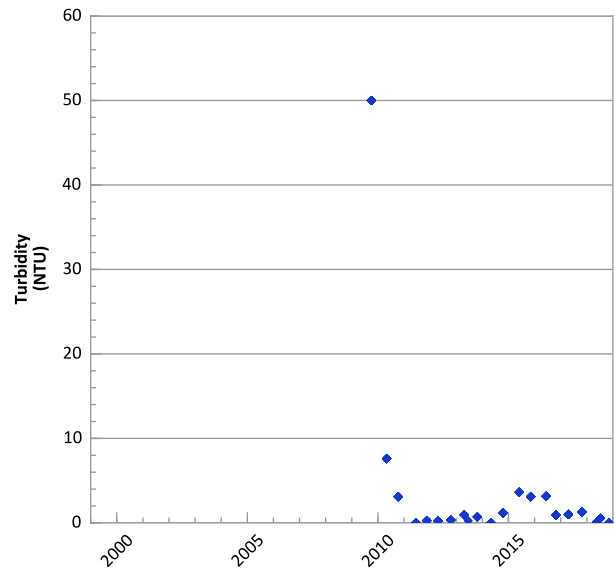
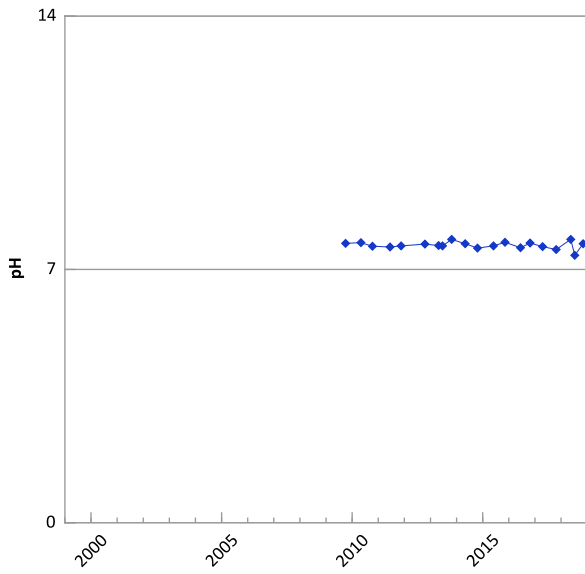
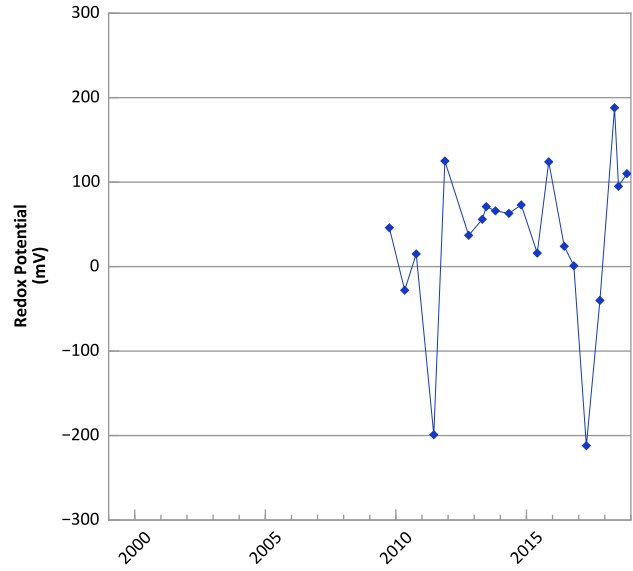
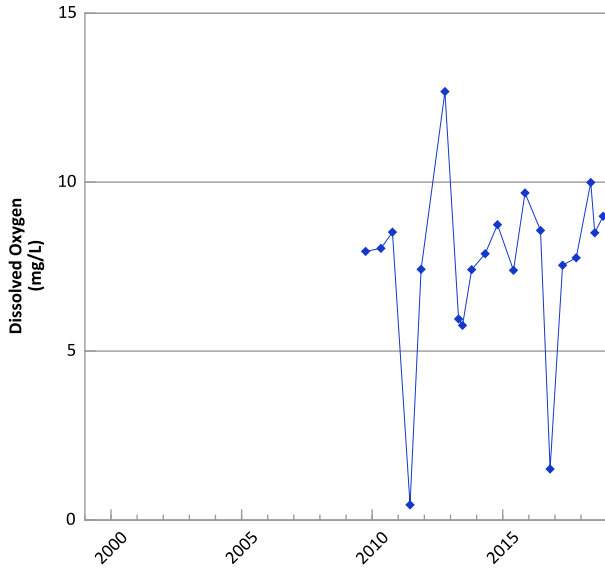
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/10/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



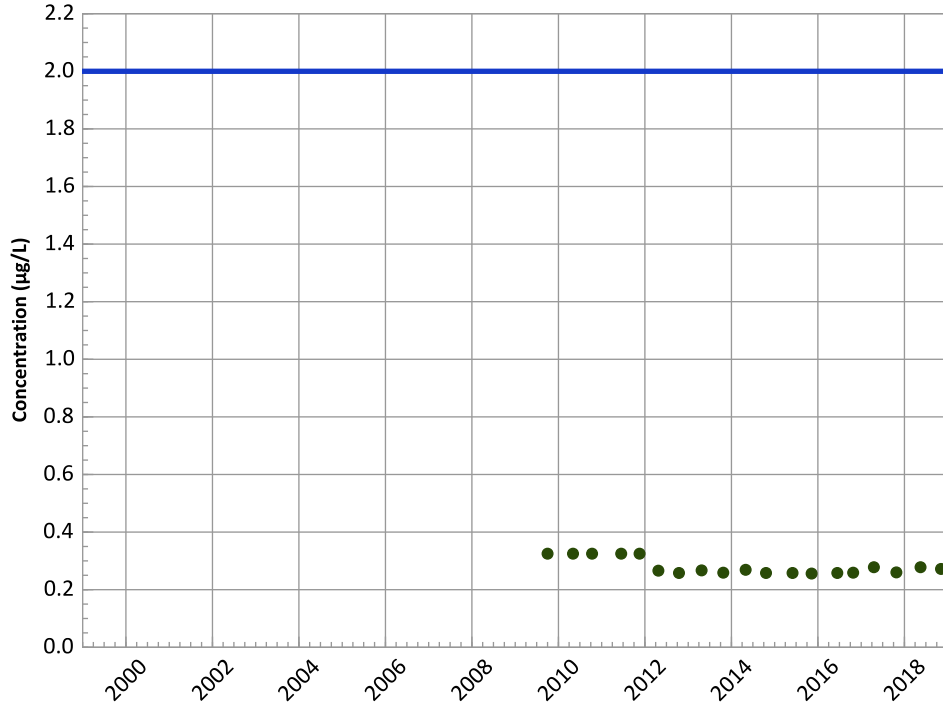
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/01/2009 to 11/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

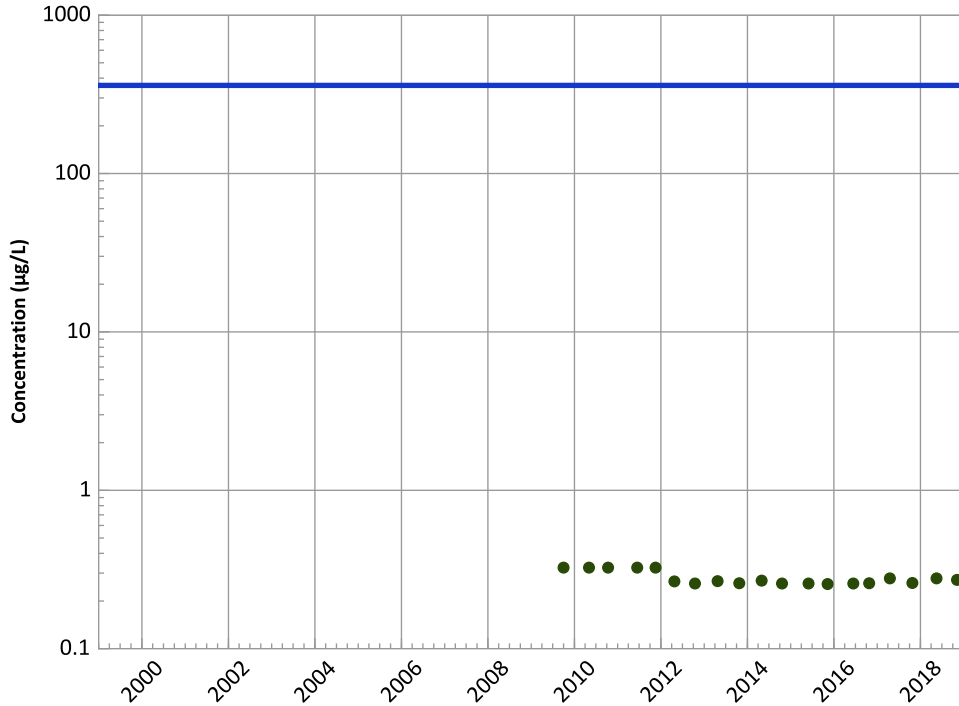


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

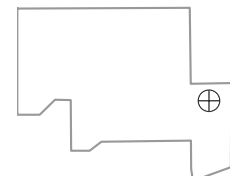


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

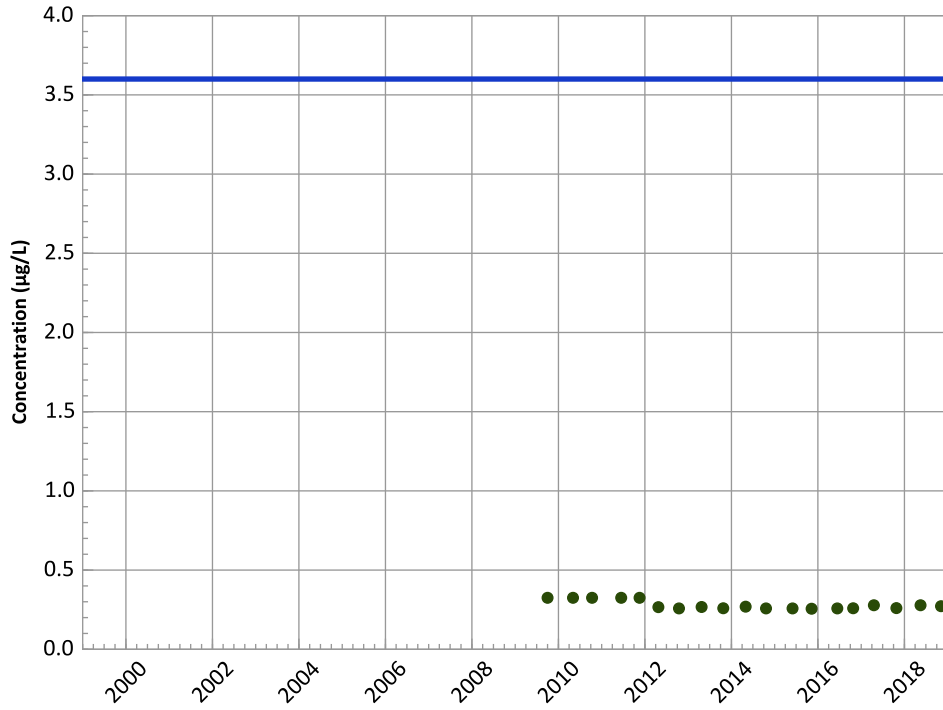


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

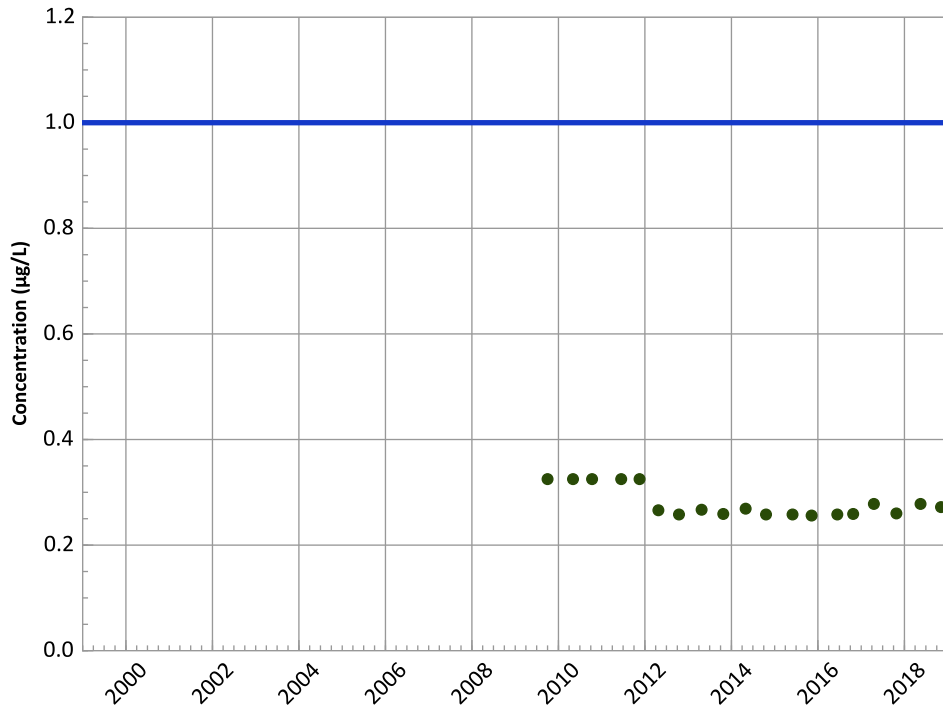
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

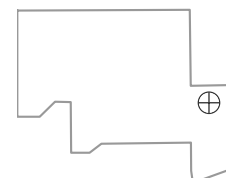
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

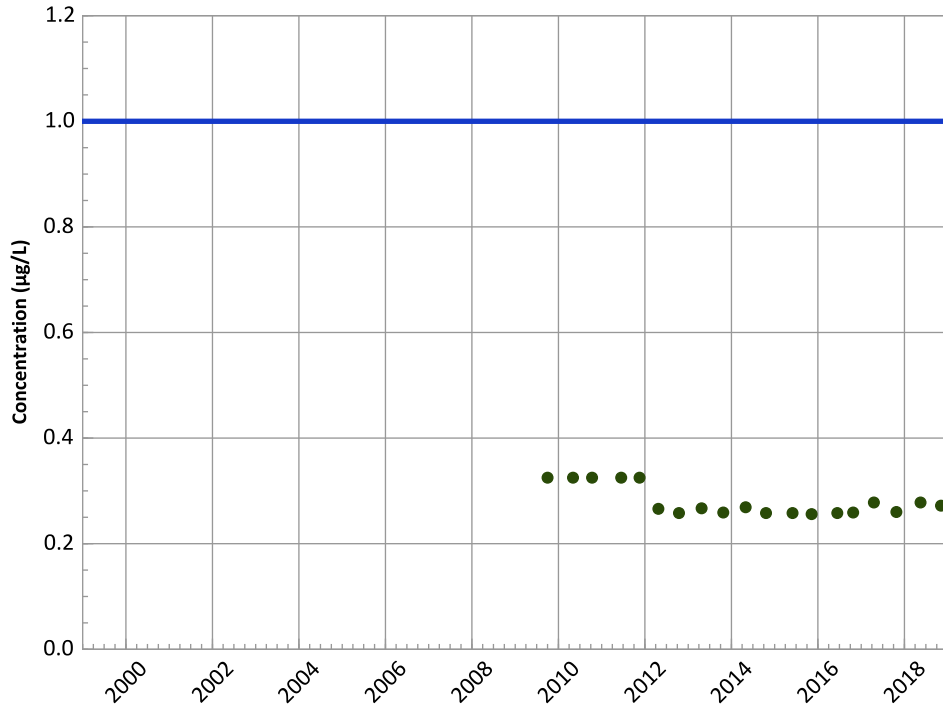


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

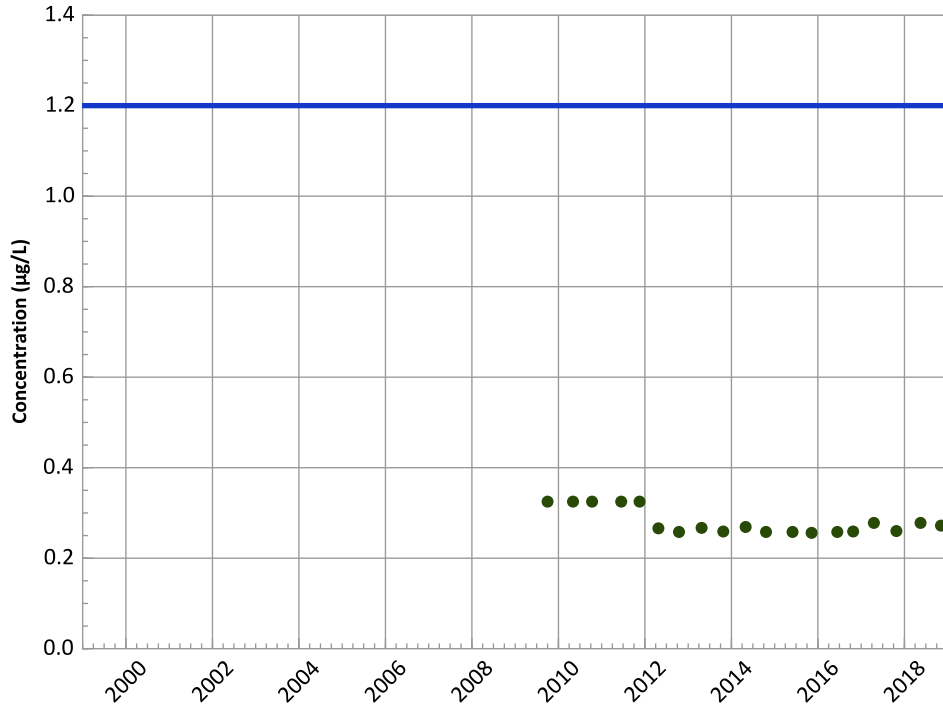
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

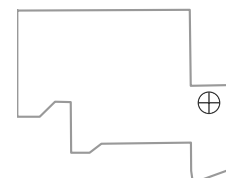
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

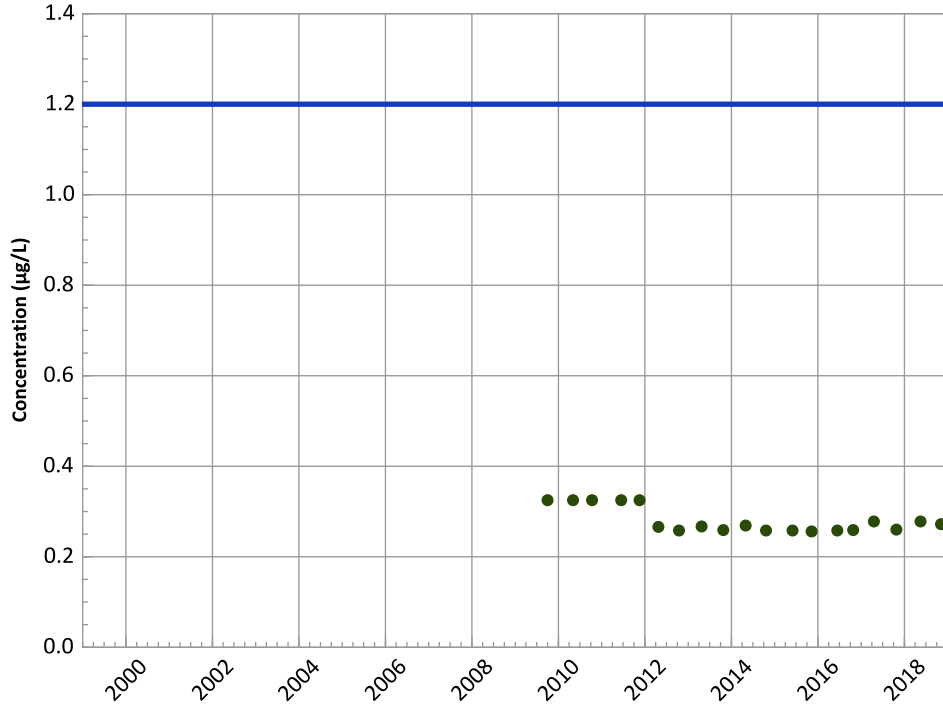


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

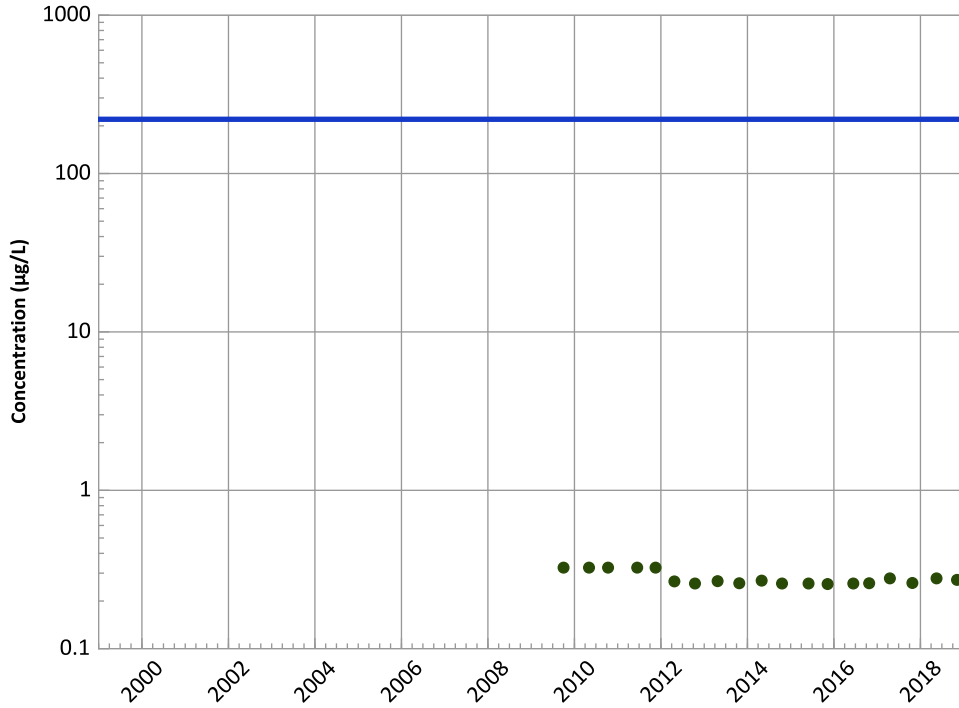
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

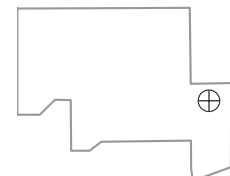
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

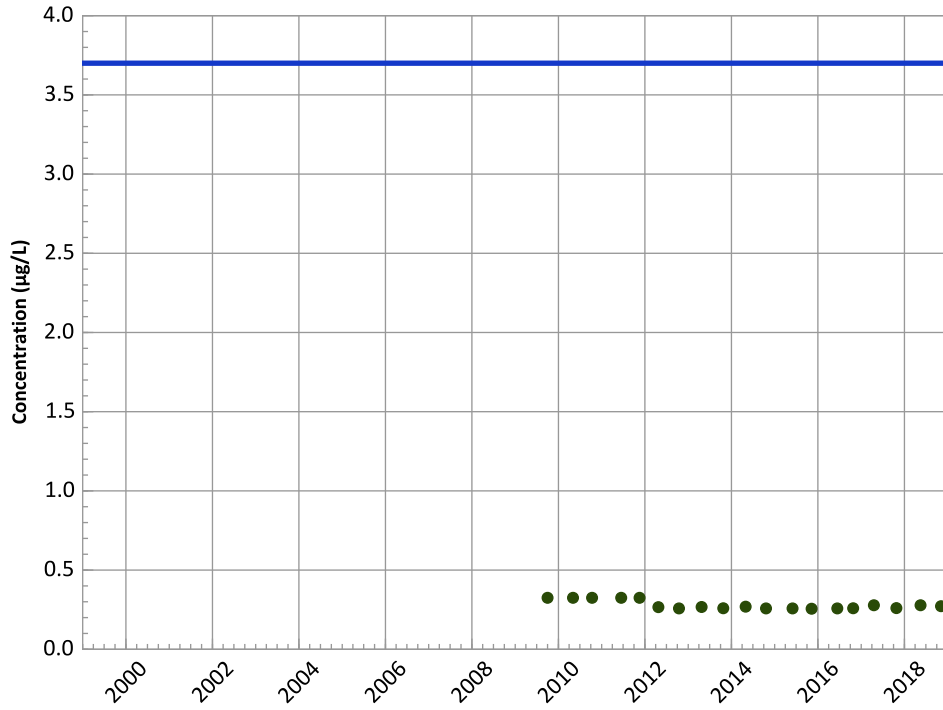


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

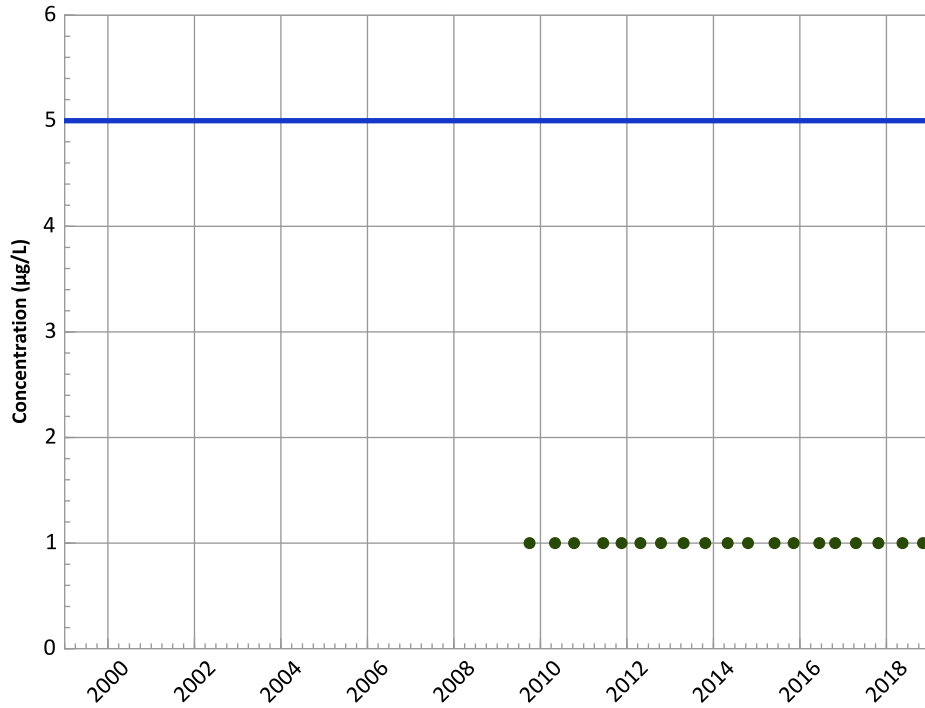
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

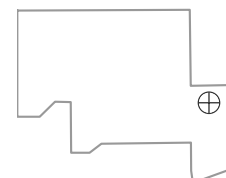
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

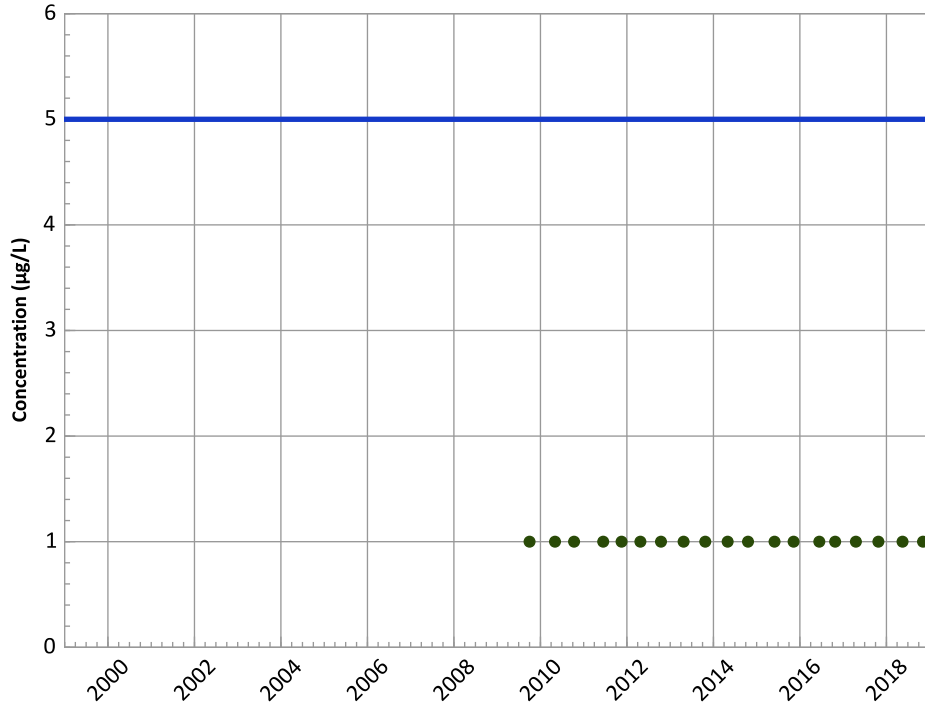


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

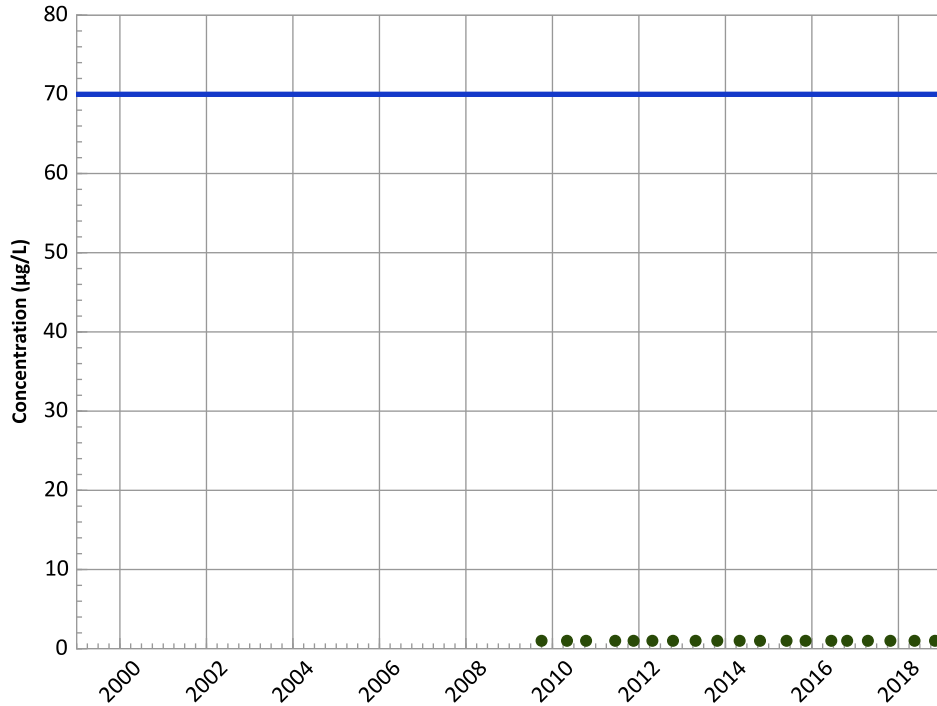
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

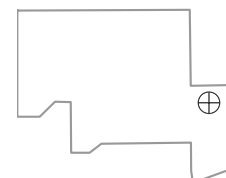
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

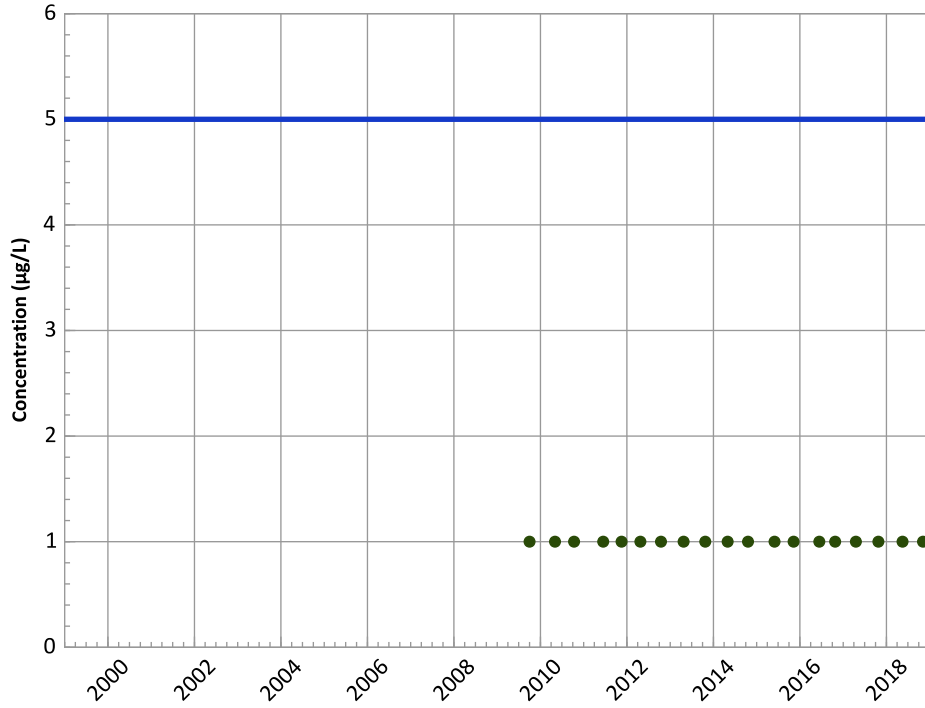
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

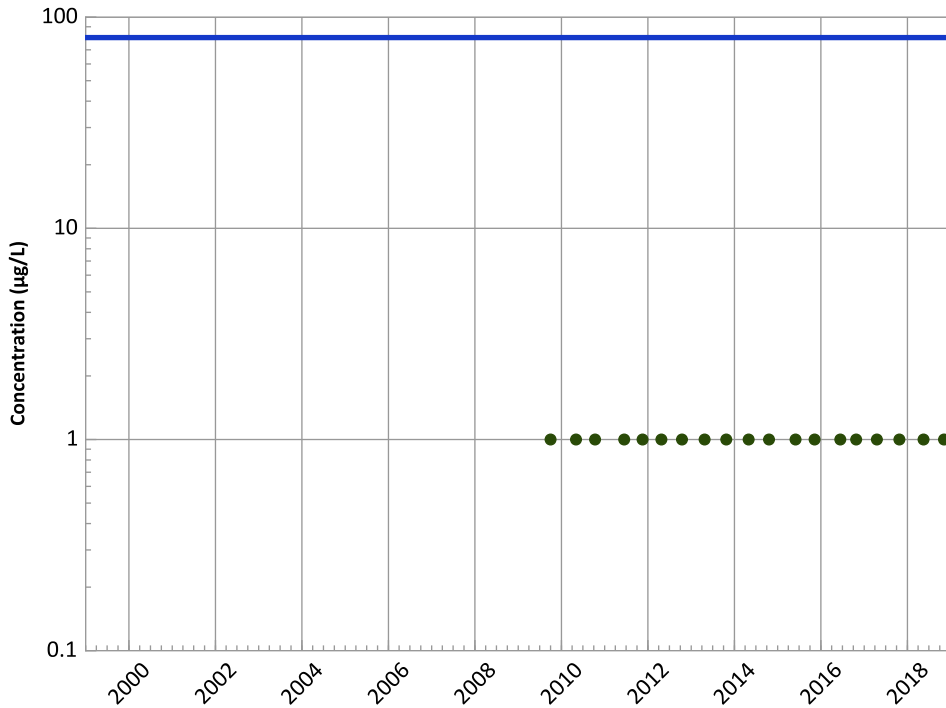
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

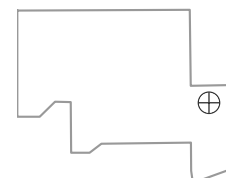
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

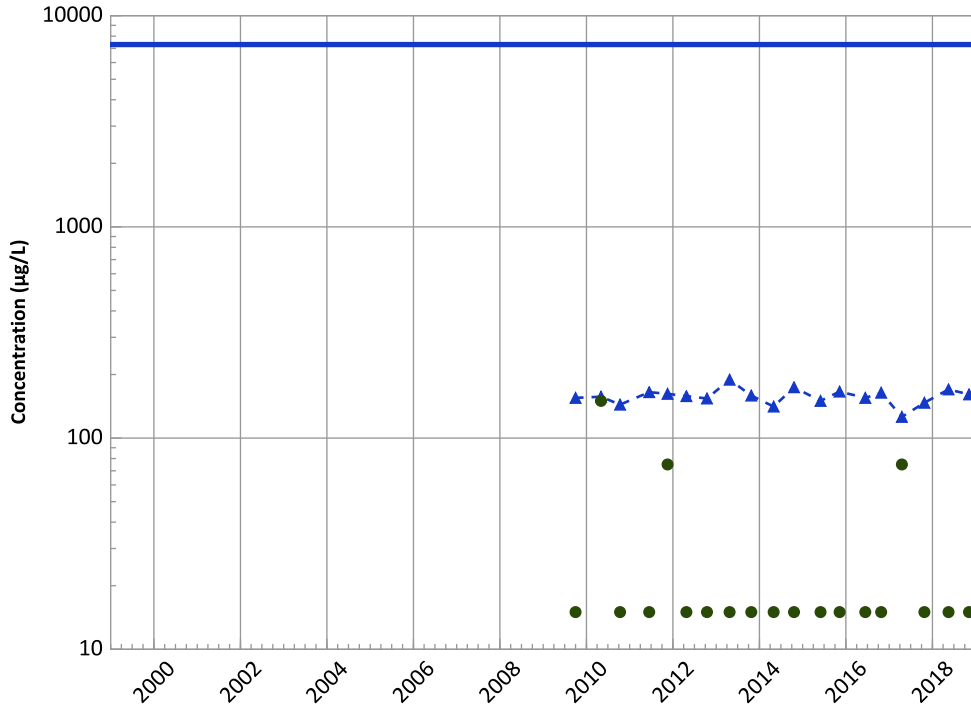


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

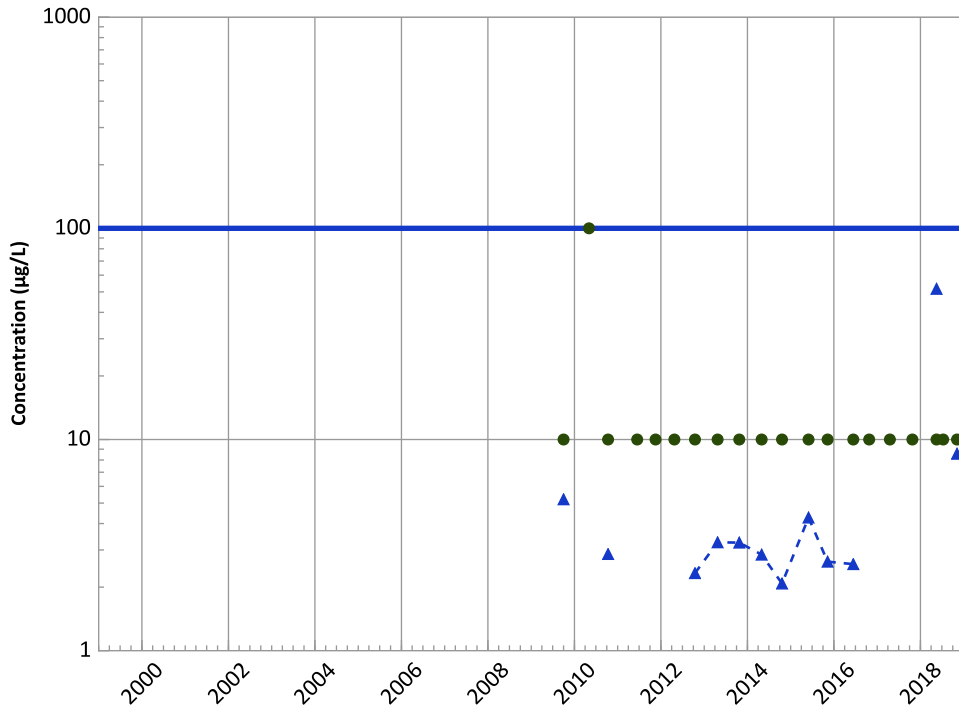
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

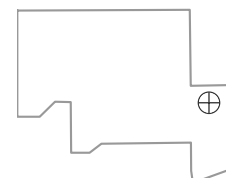
Data (2017 - 2021):

No Trend

All Data:

Probably Increasing

Well Location

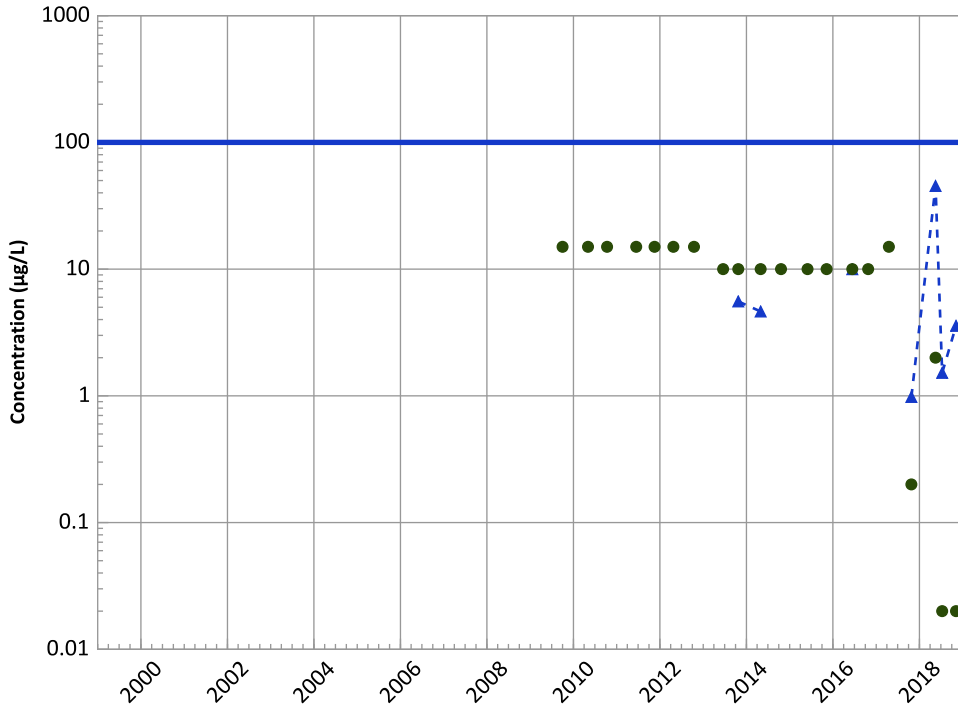


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

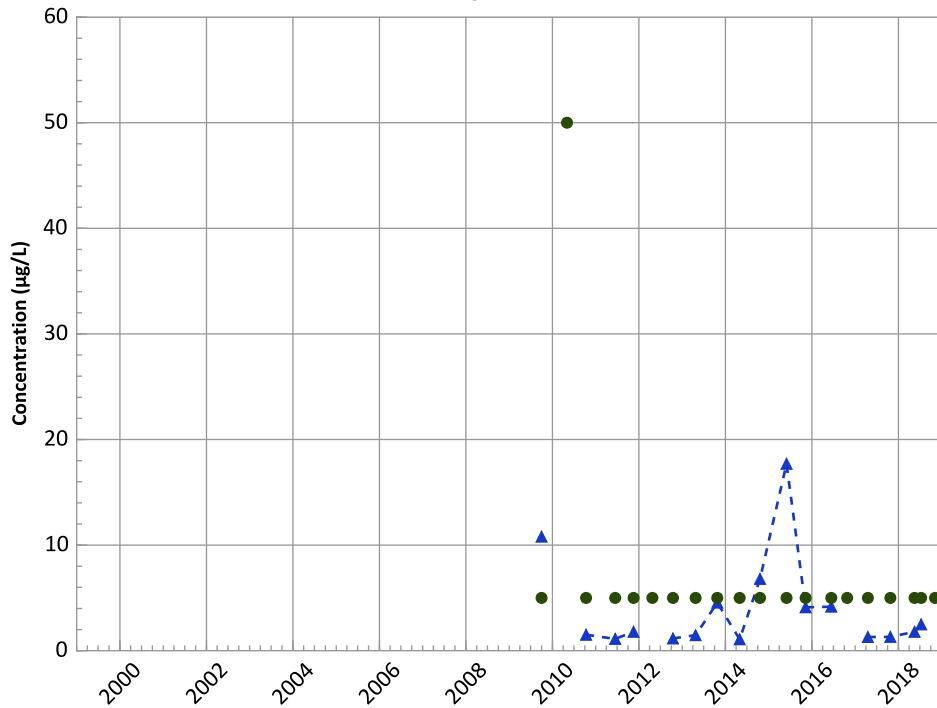


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

Manganese Trend

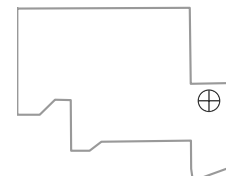


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Increasing
All Data:
No Trend

Well Location

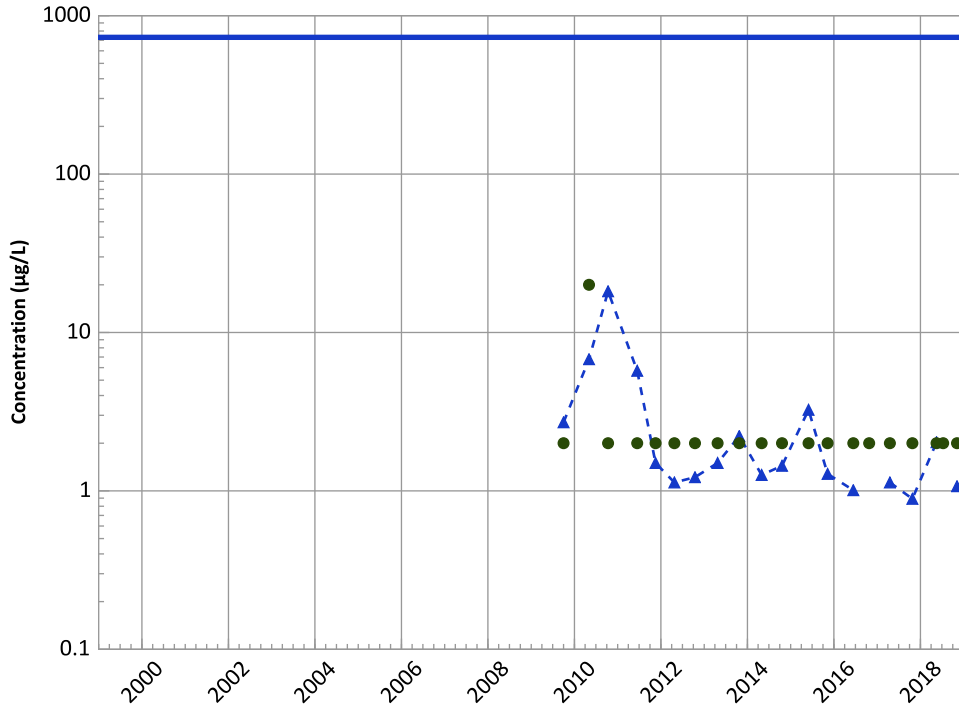


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1138 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

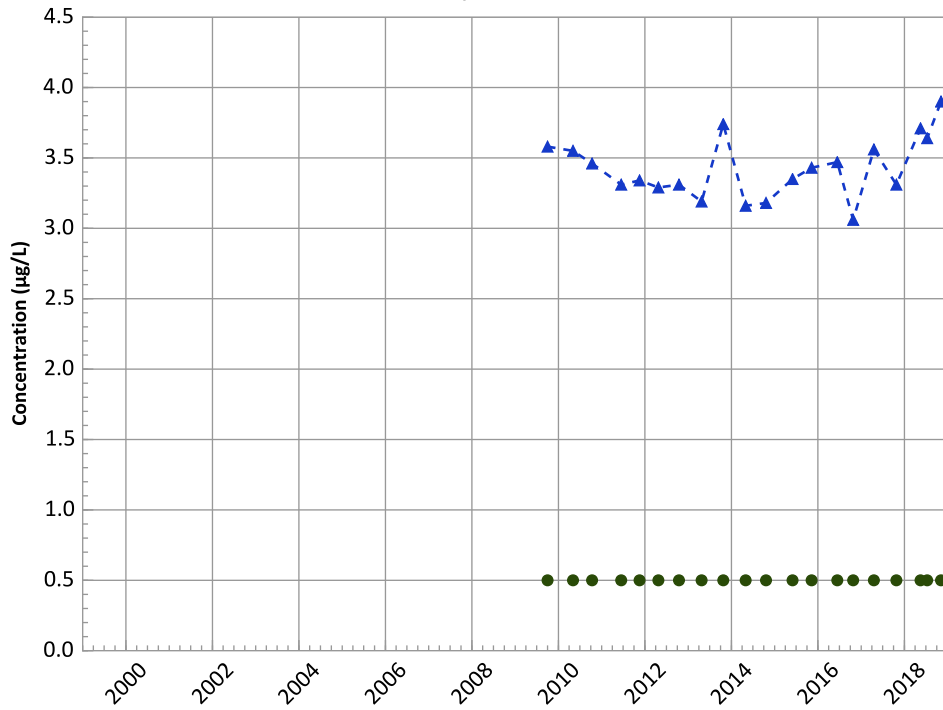
Data (2017 - 2021):

No Trend

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

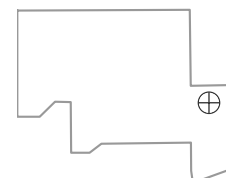
Data (2017 - 2021):

Decreasing

All Data:

No Trend

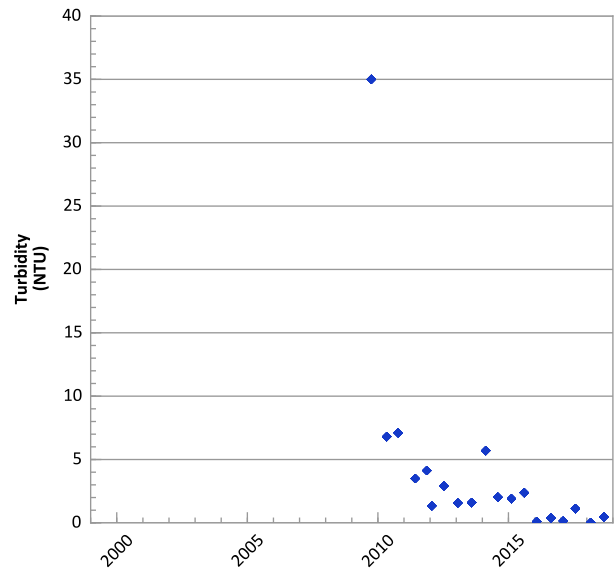
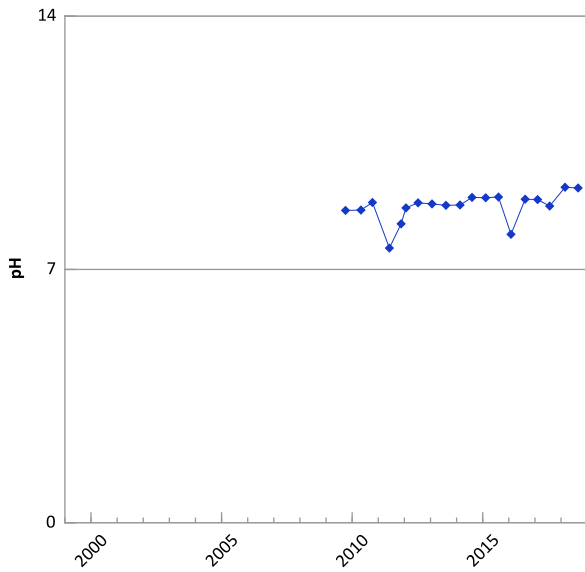
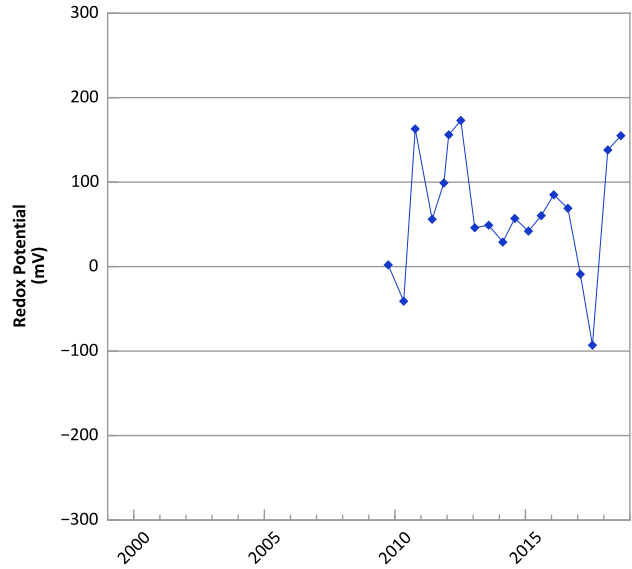
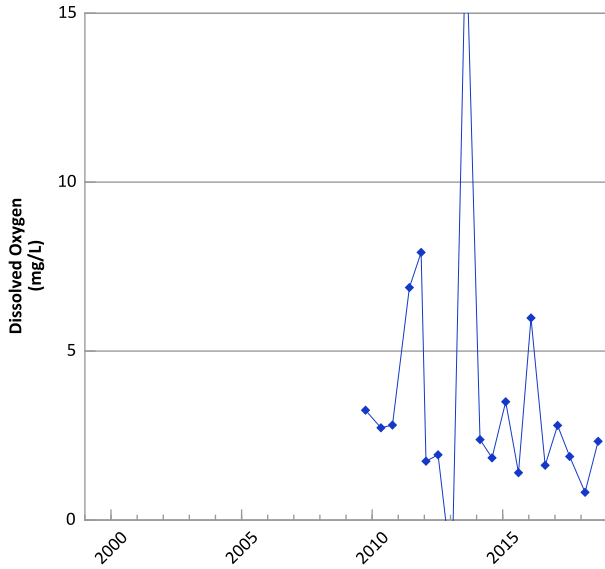
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/01/2009 to 11/06/2018
Analysis Date: 02/14/2019

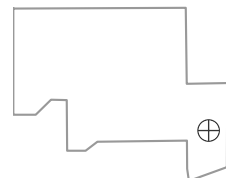
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



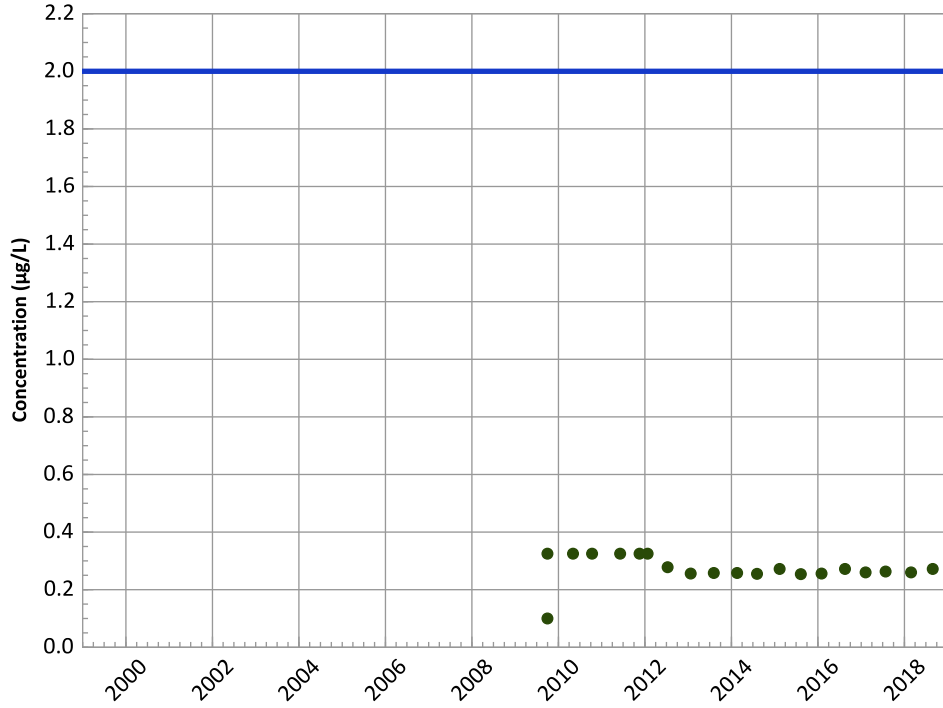
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 09/30/2009 to 08/28/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

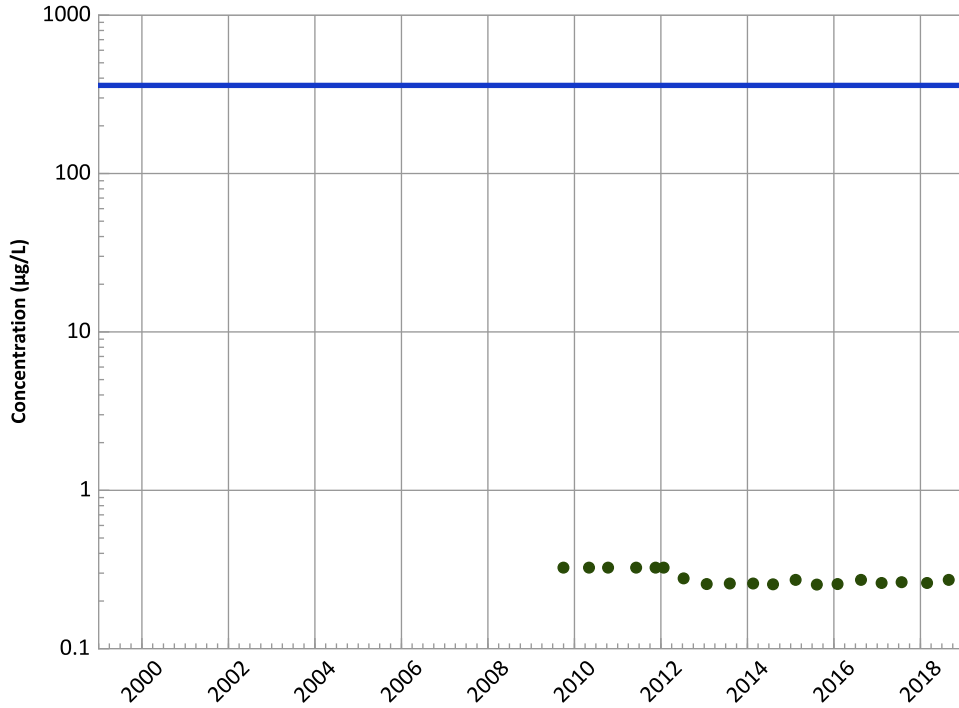


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

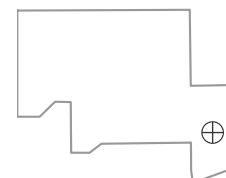


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

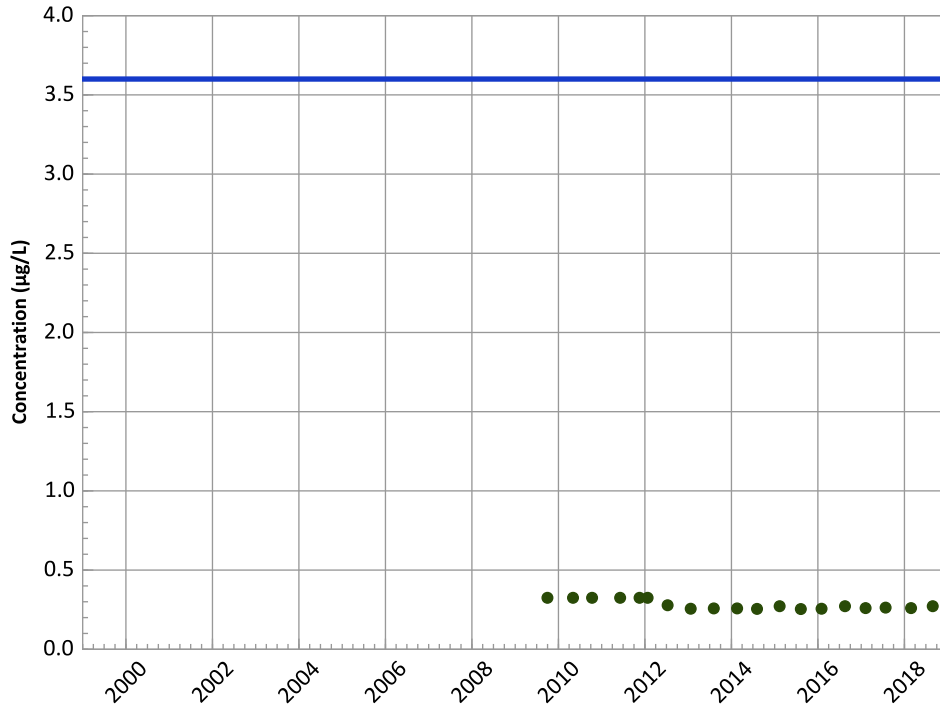


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

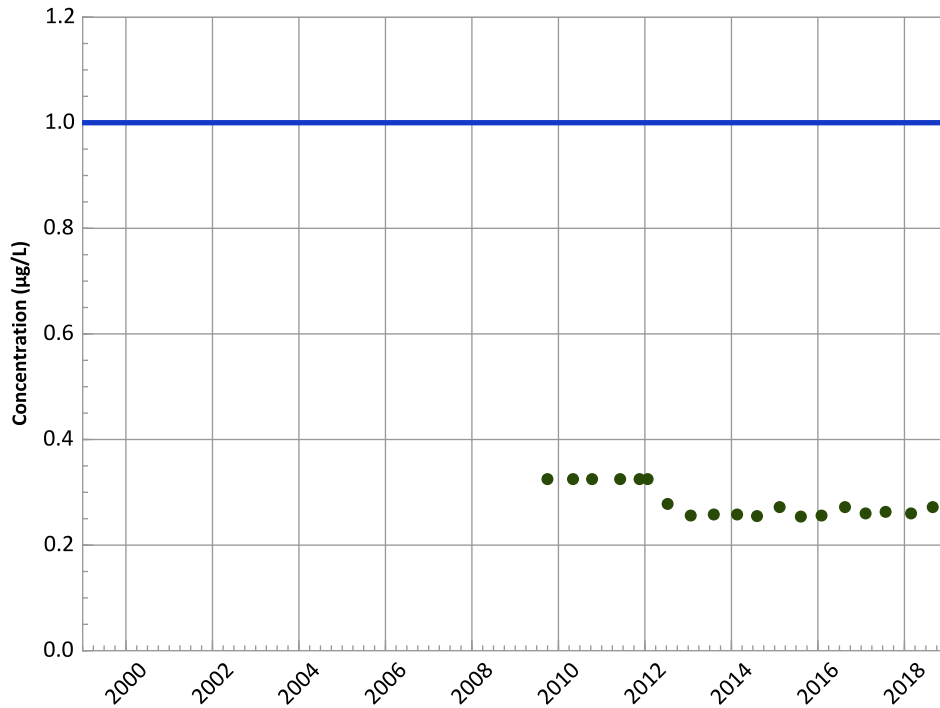
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

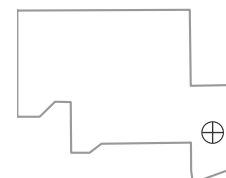
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

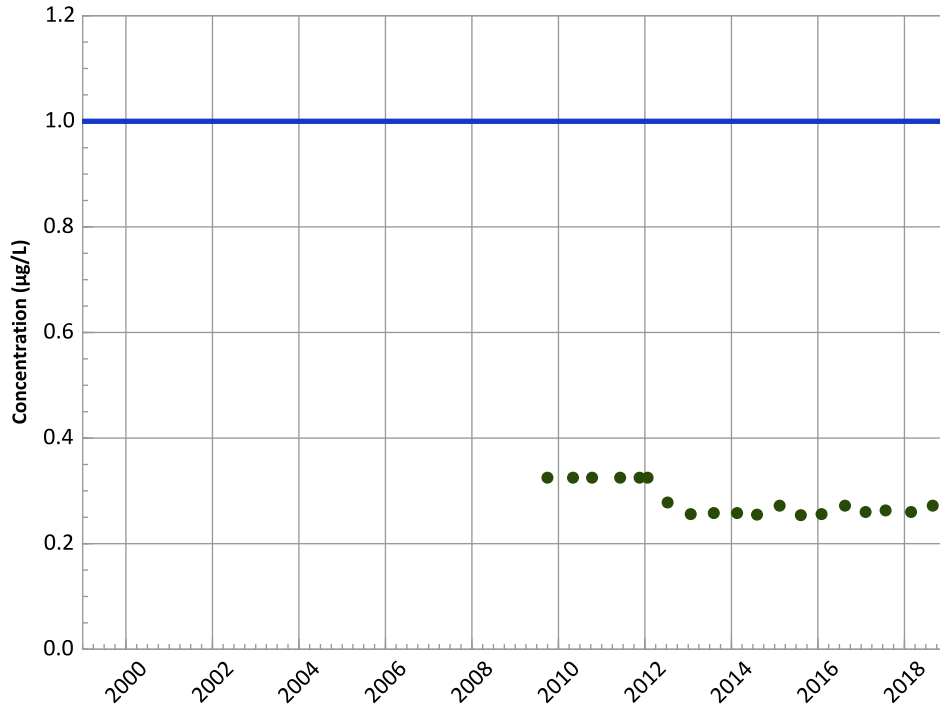


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

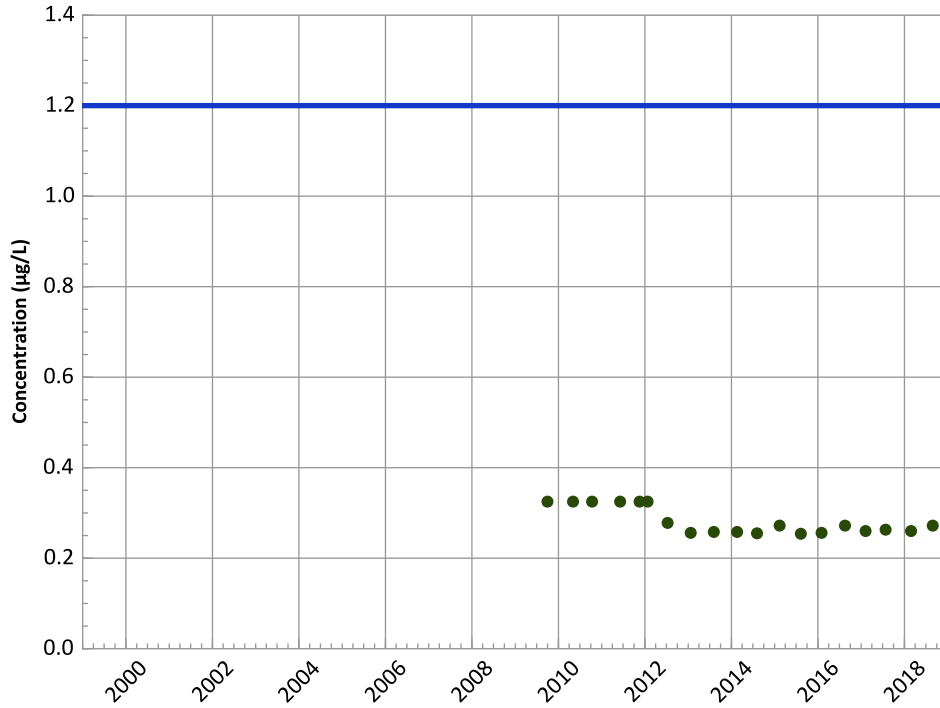
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

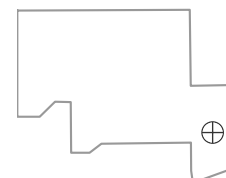
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

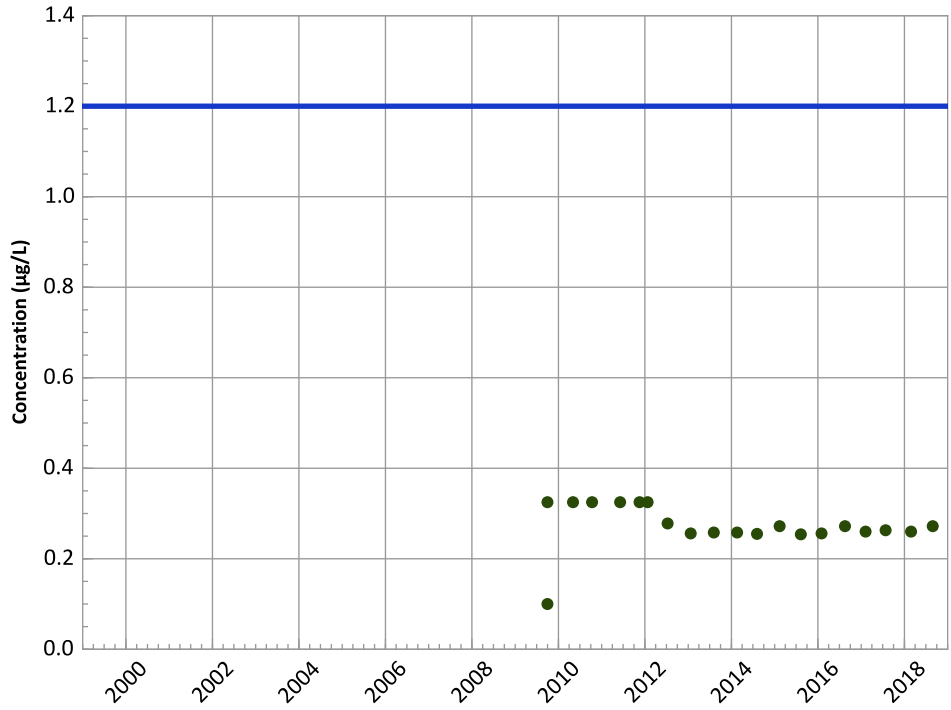


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

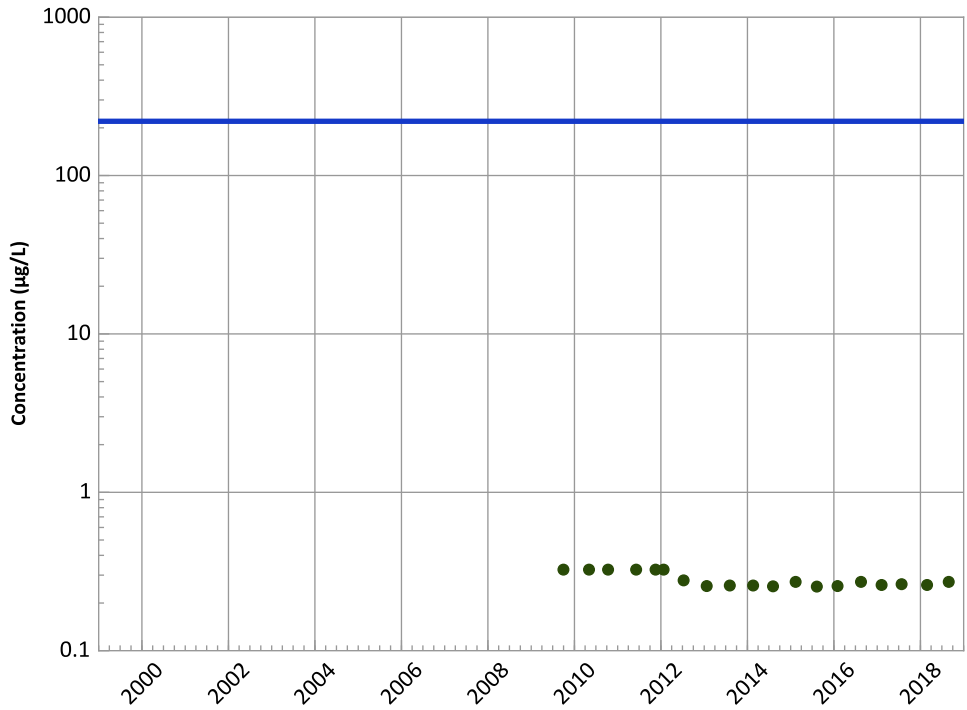
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

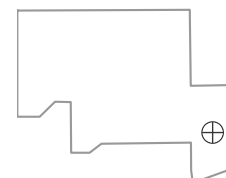
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

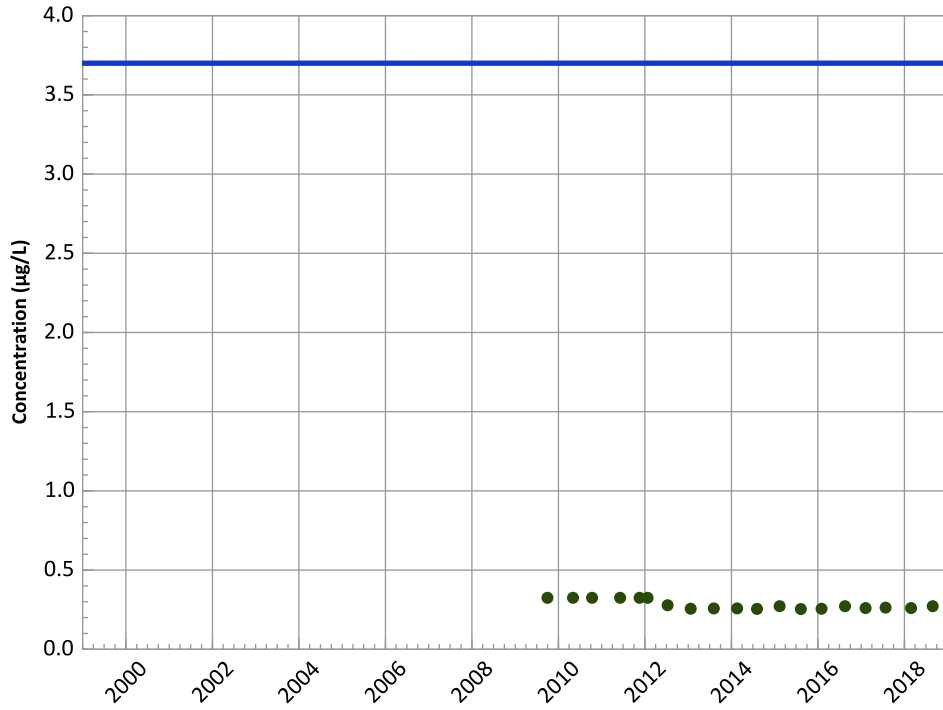


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

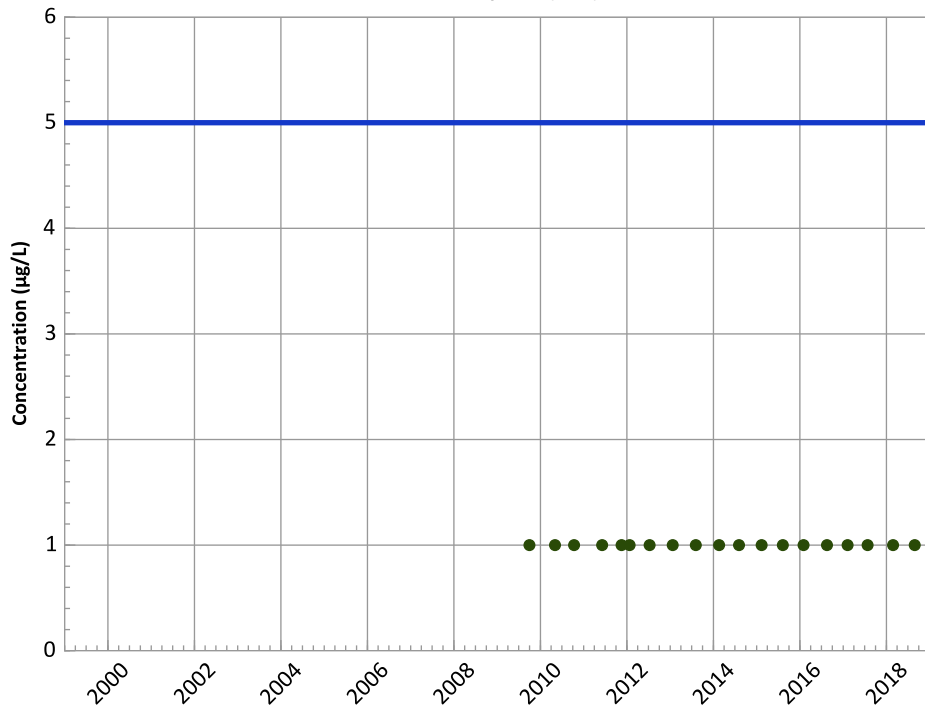
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

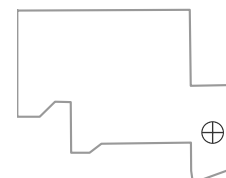
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

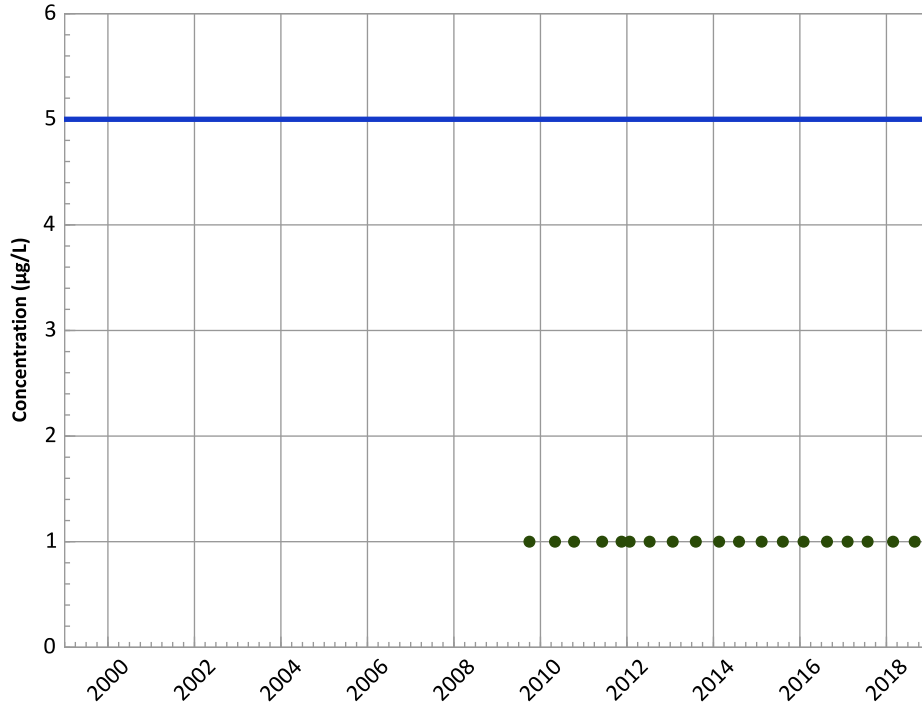


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

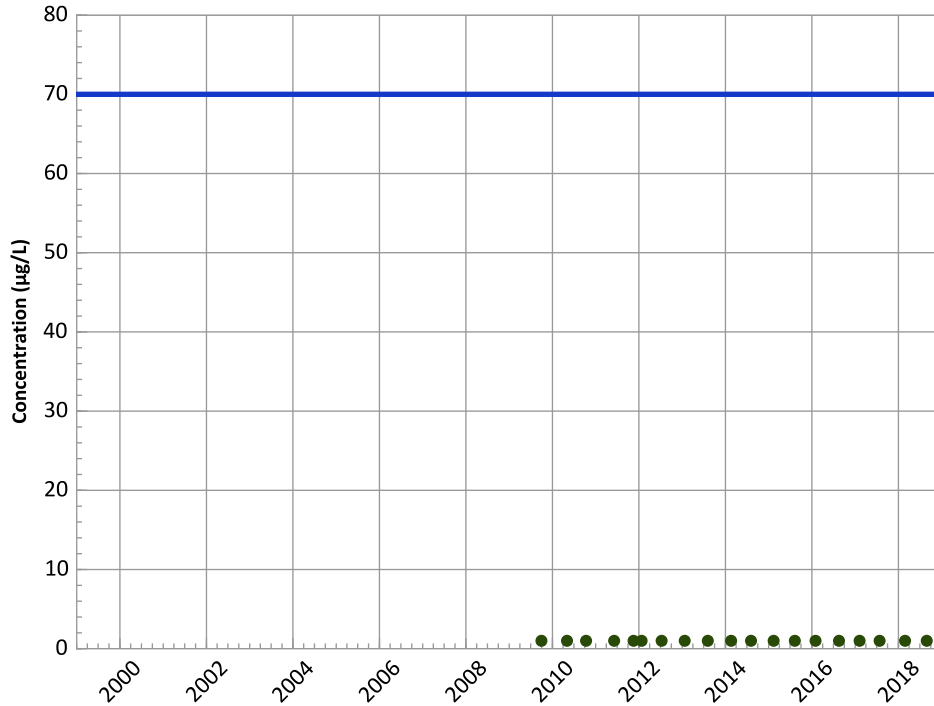
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

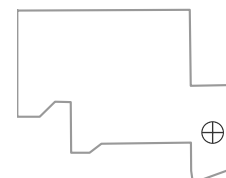
All Data:

All Non-Detect

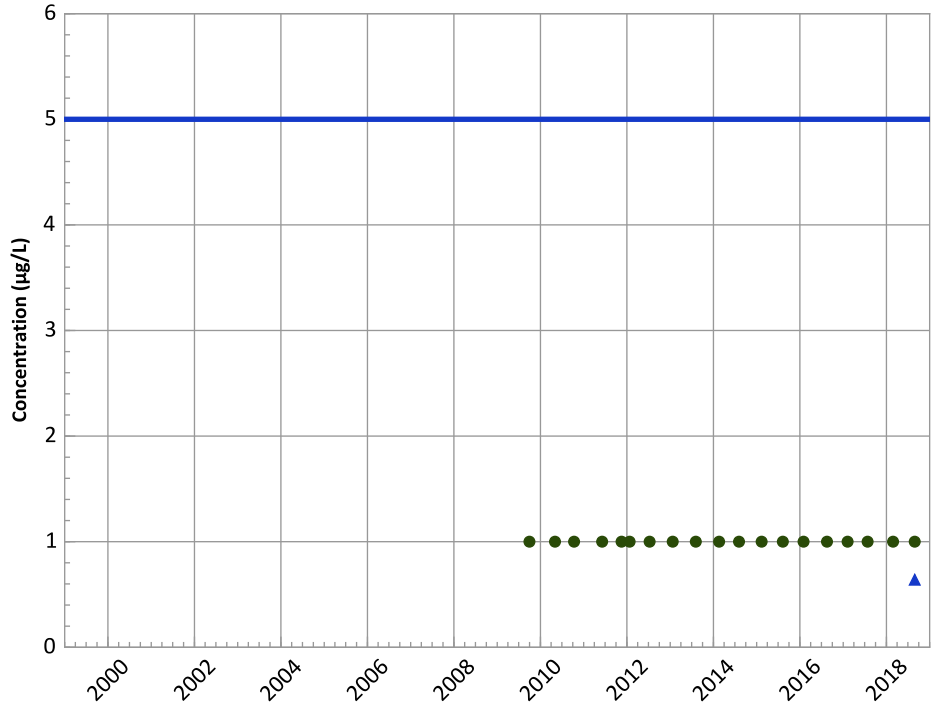
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

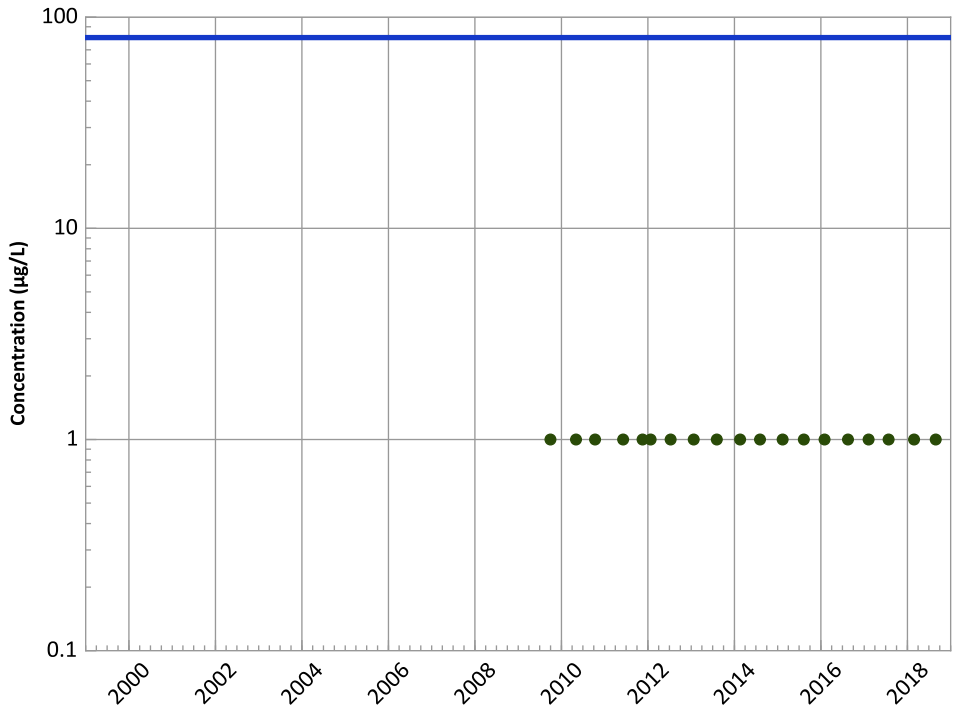
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Chloroform Trend



Concentration Trend

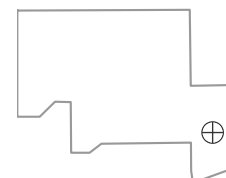
MAROS Mann-Kendall Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

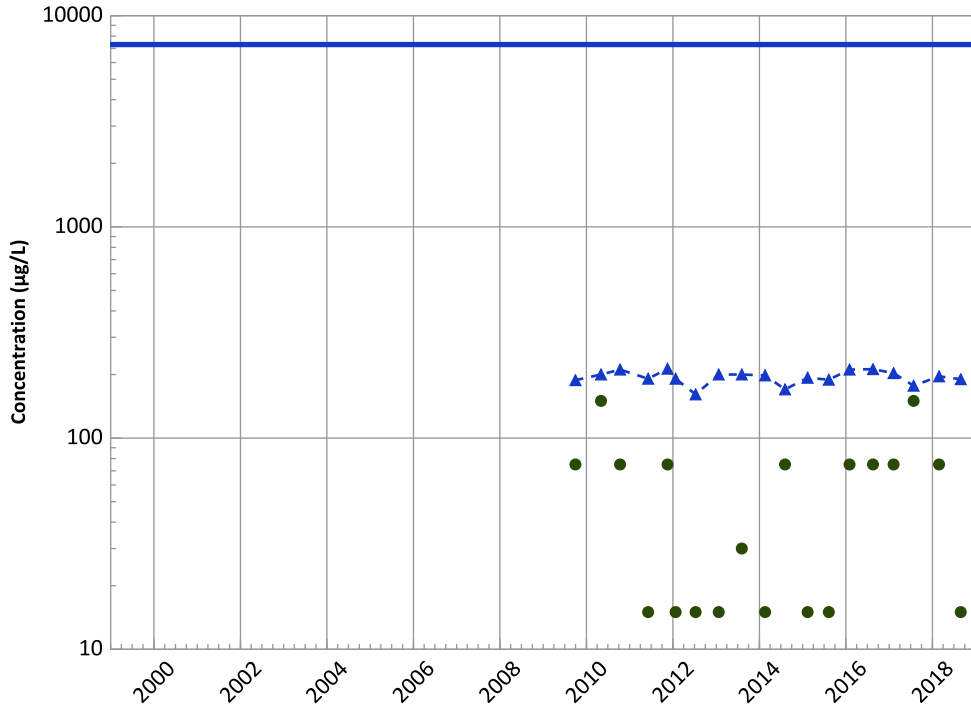


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

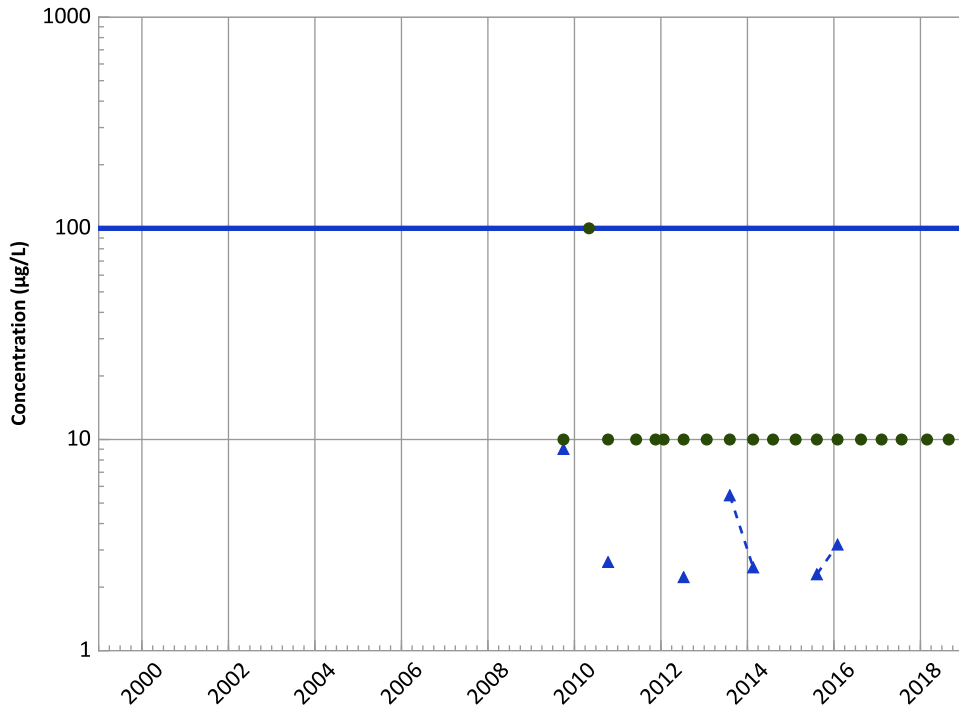
Data (2017 - 2021):

Probably Increasing

All Data:

Decreasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

All Data:

Stable

Well Location

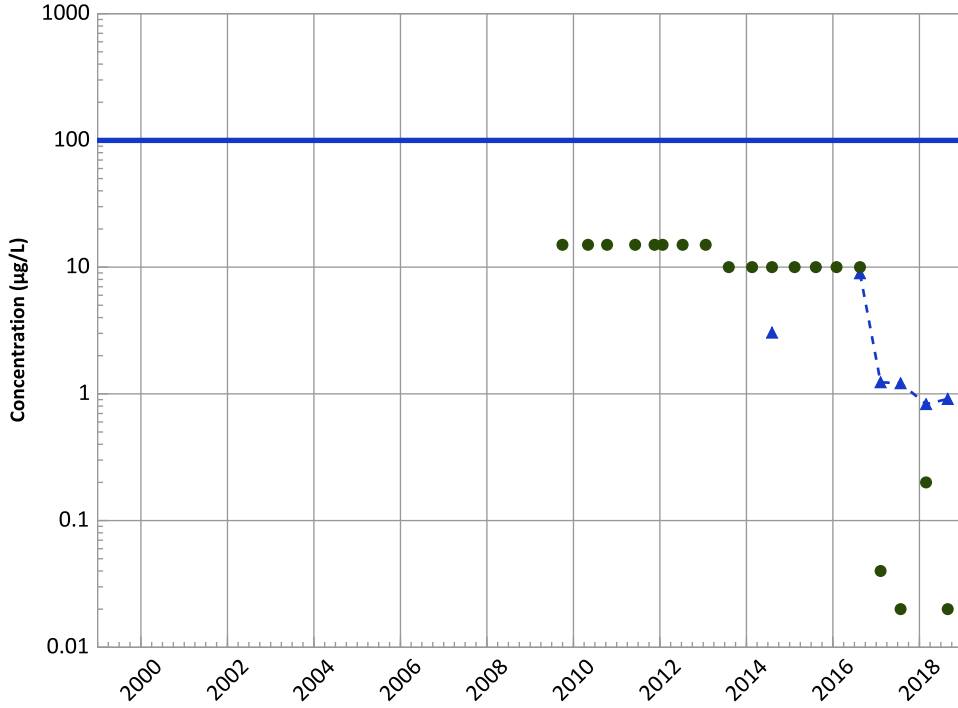


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

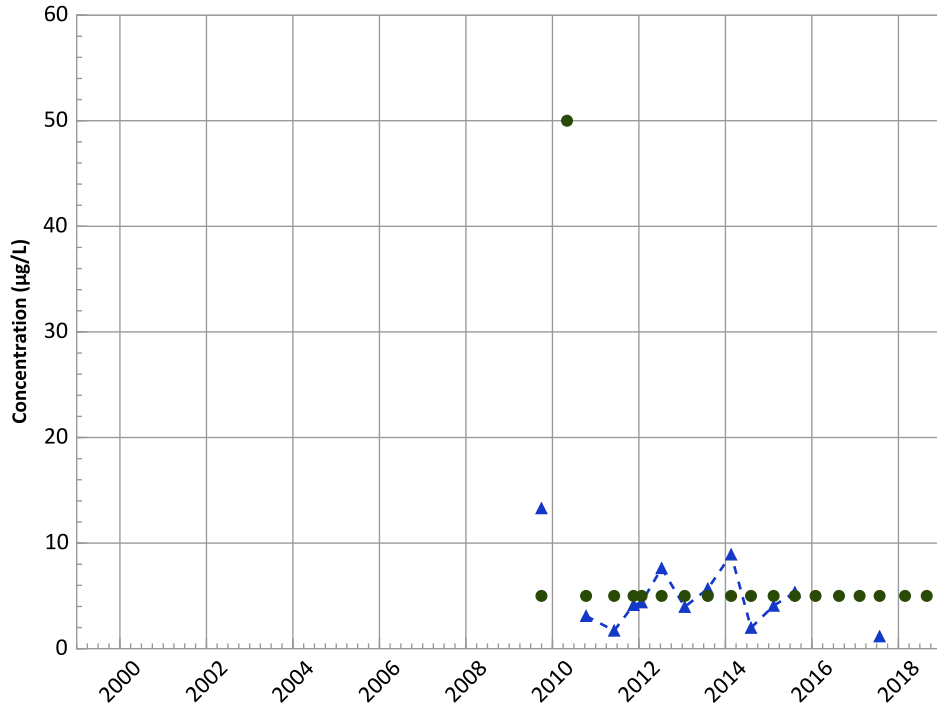


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Probably Decreasing

Manganese Trend

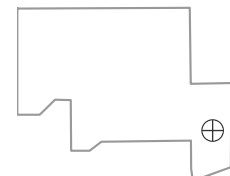


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Stable
All Data:
Probably Decreasing

Well Location

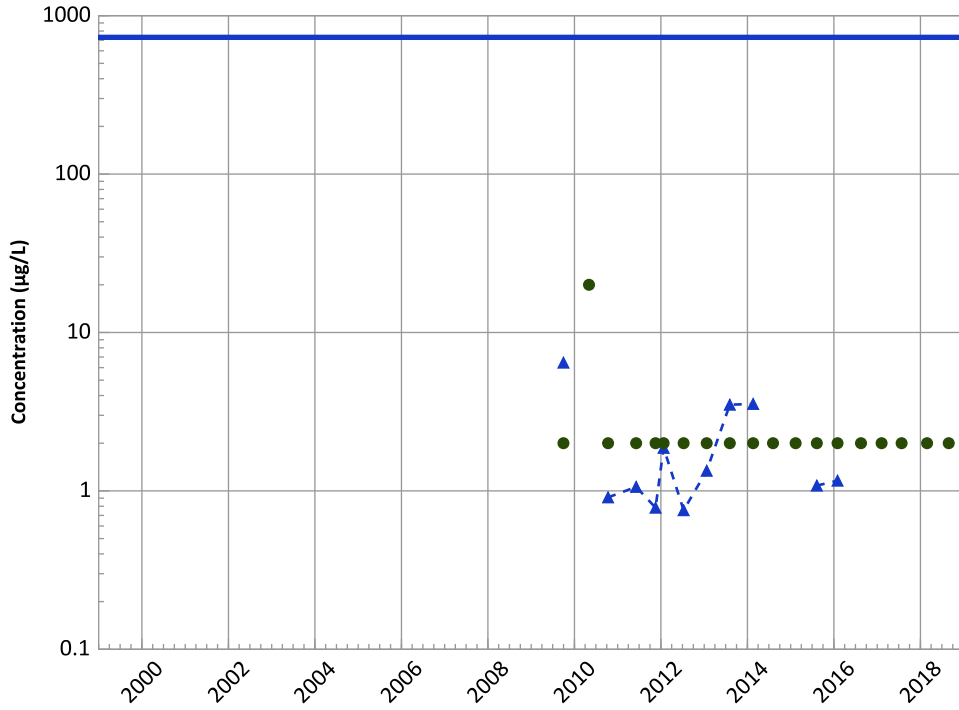


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1139 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

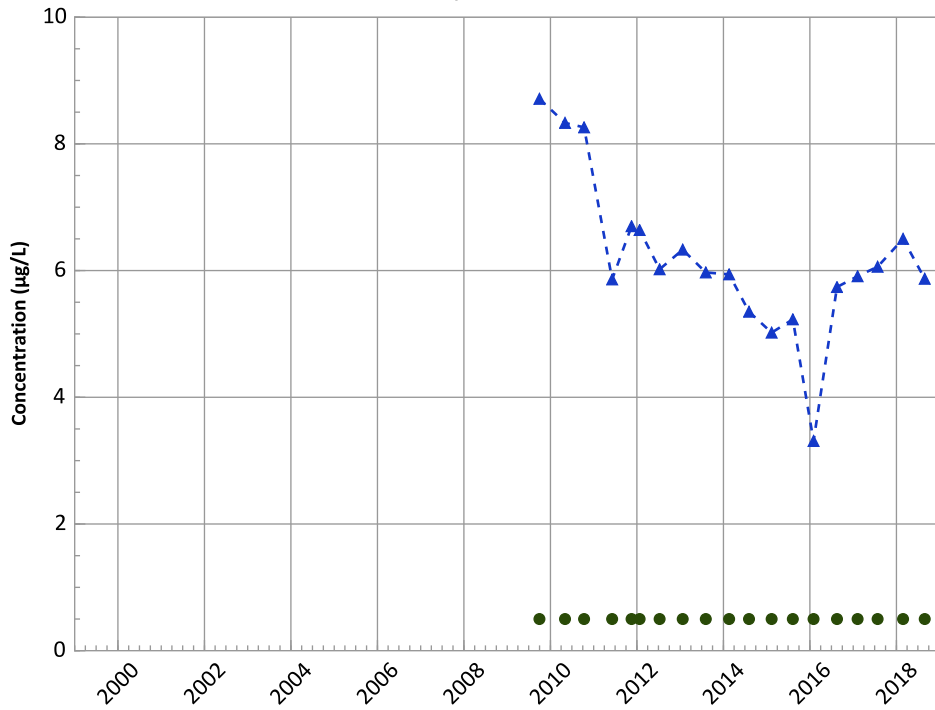
Data (2017 - 2021):

Stable

All Data:

Stable

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

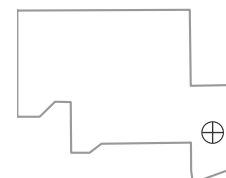
Data (2017 - 2021):

Decreasing

All Data:

Decreasing

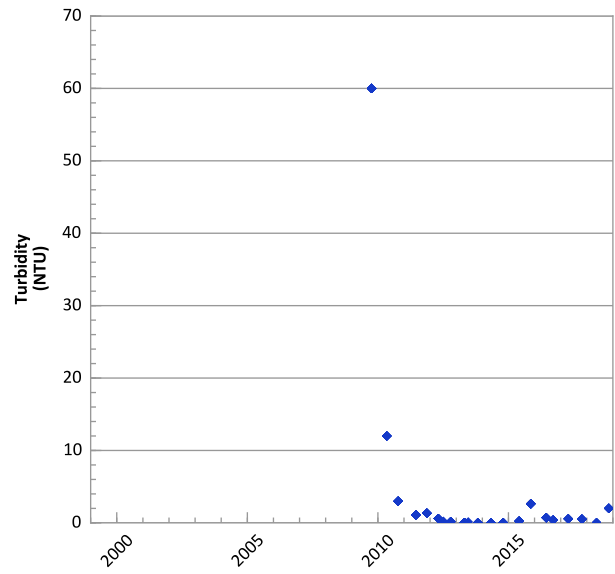
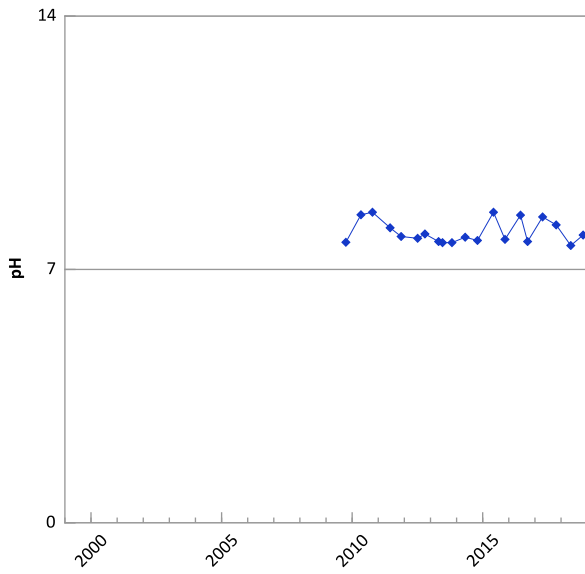
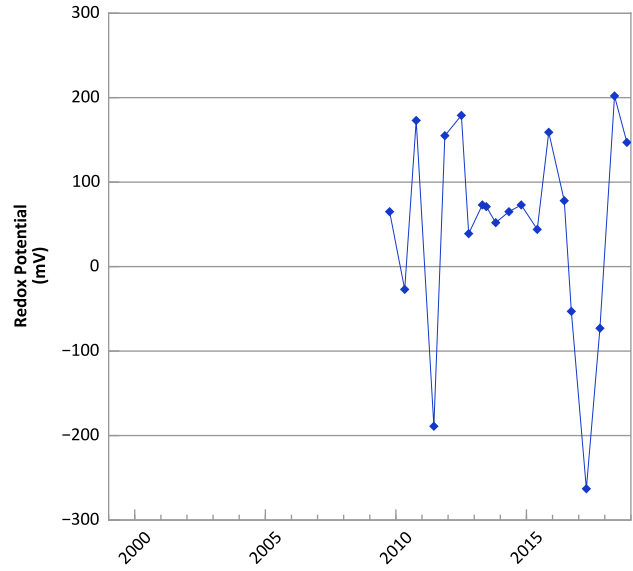
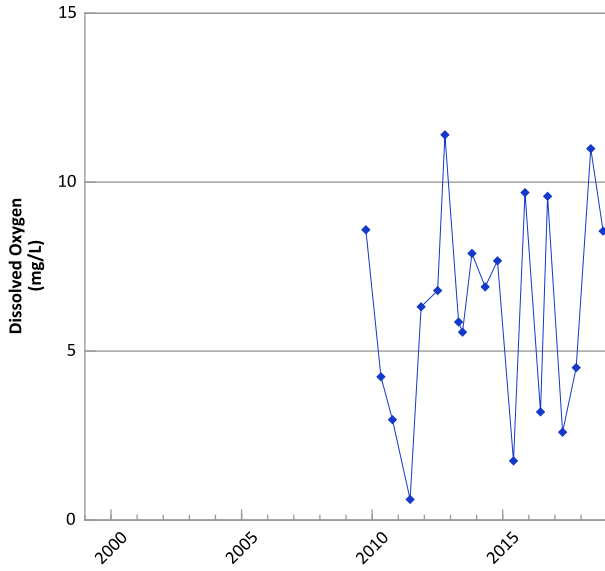
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 09/30/2009 to 08/28/2018
Analysis Date: 02/14/2019

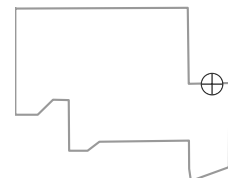
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



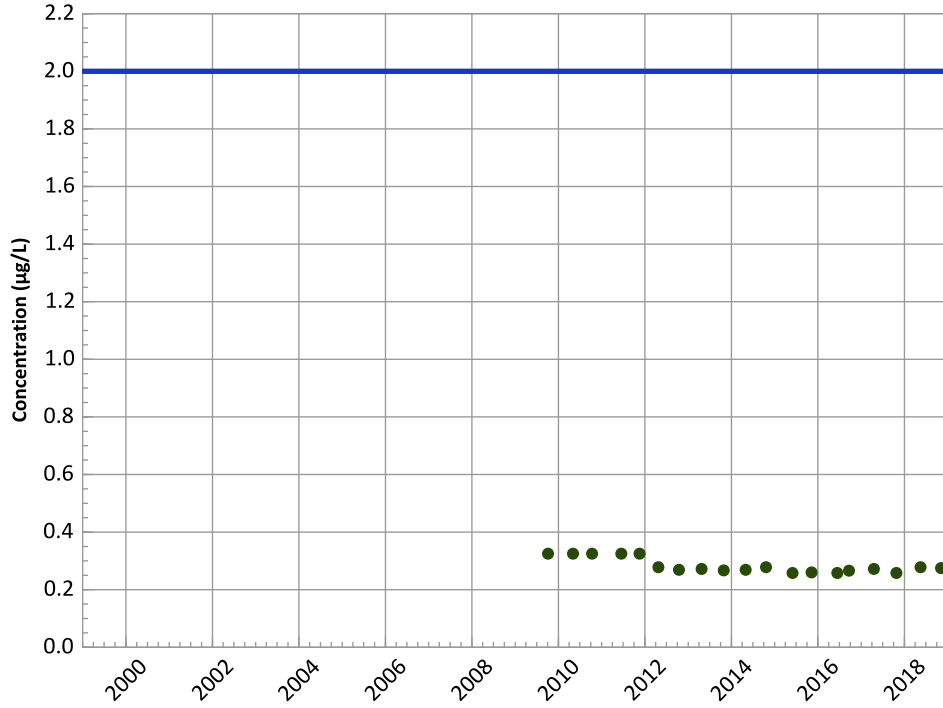
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/05/2009 to 11/06/2018
 Analysis Date: 02/14/2019

Well Location



PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

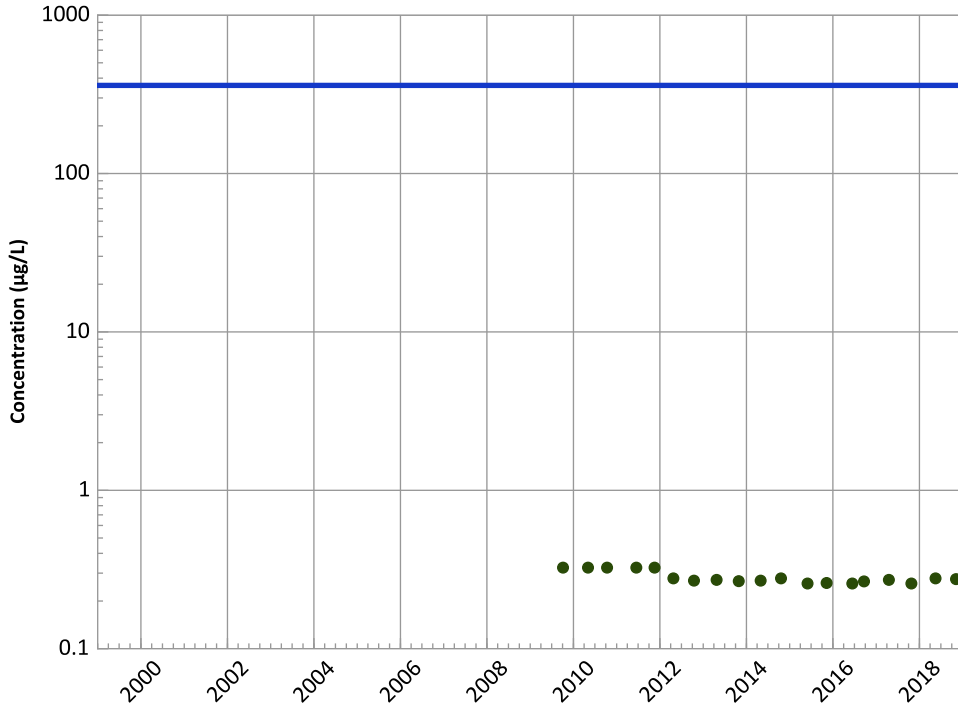


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

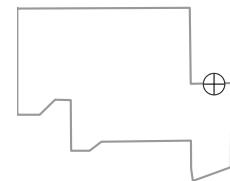


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

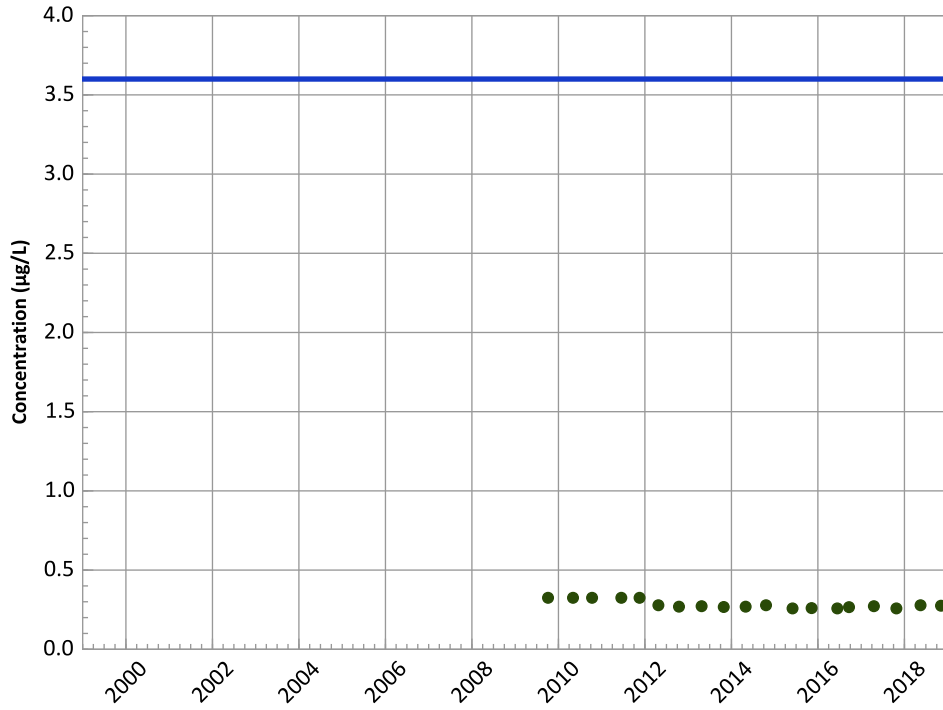


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

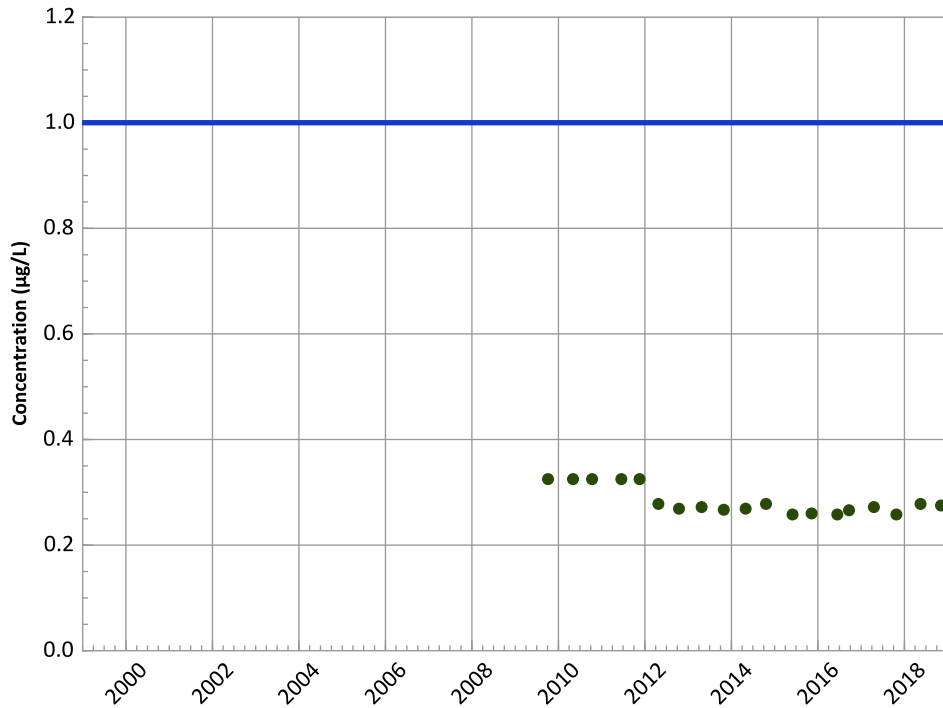
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

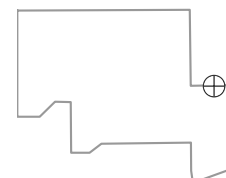
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

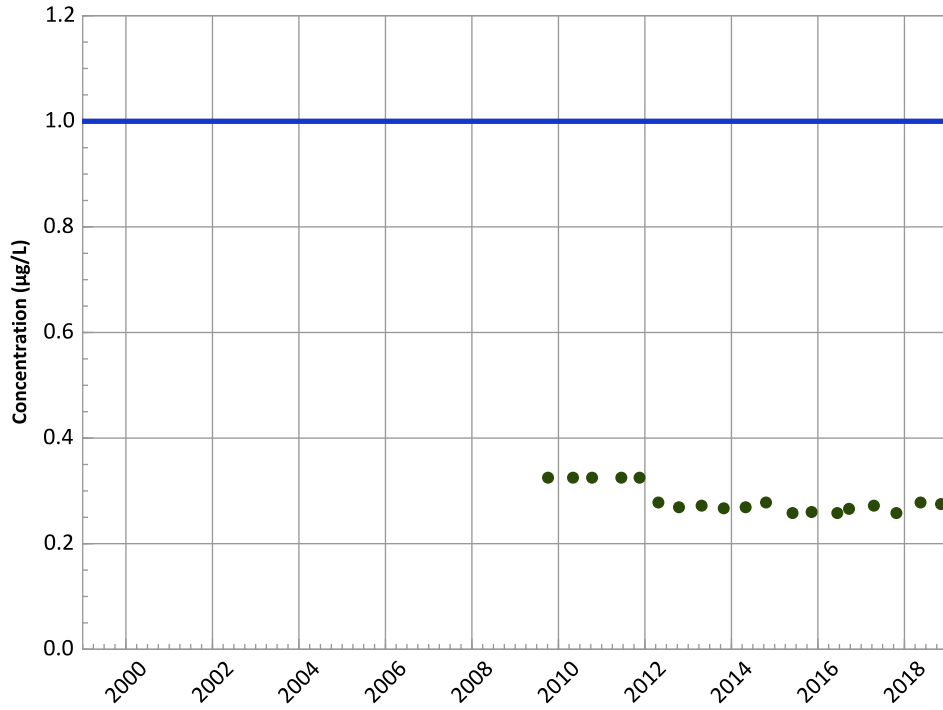


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

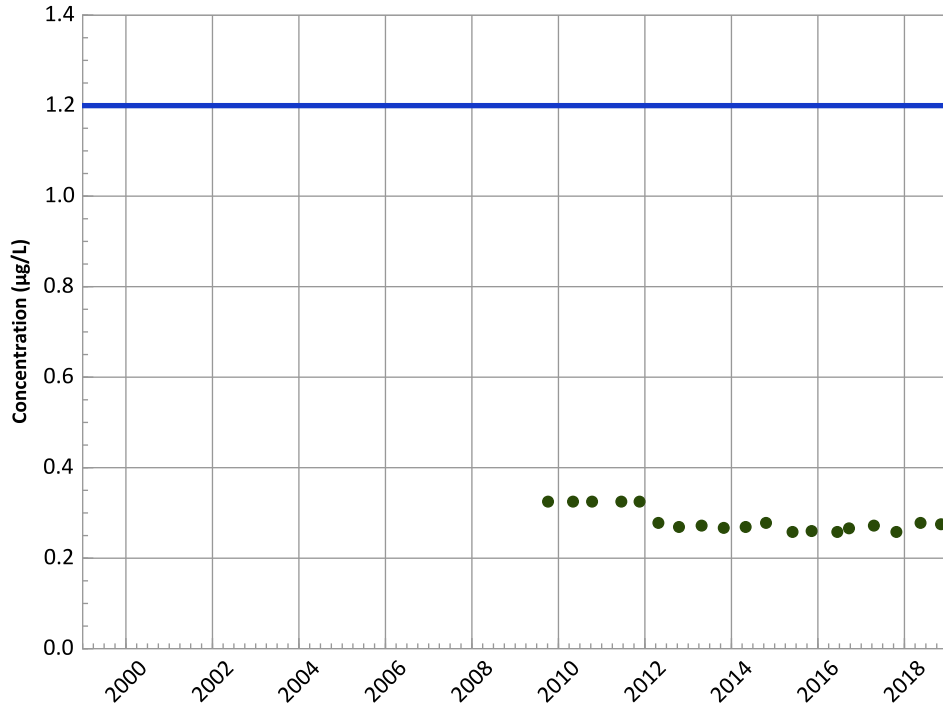
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

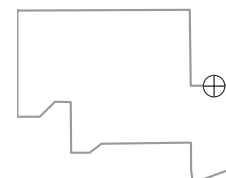
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

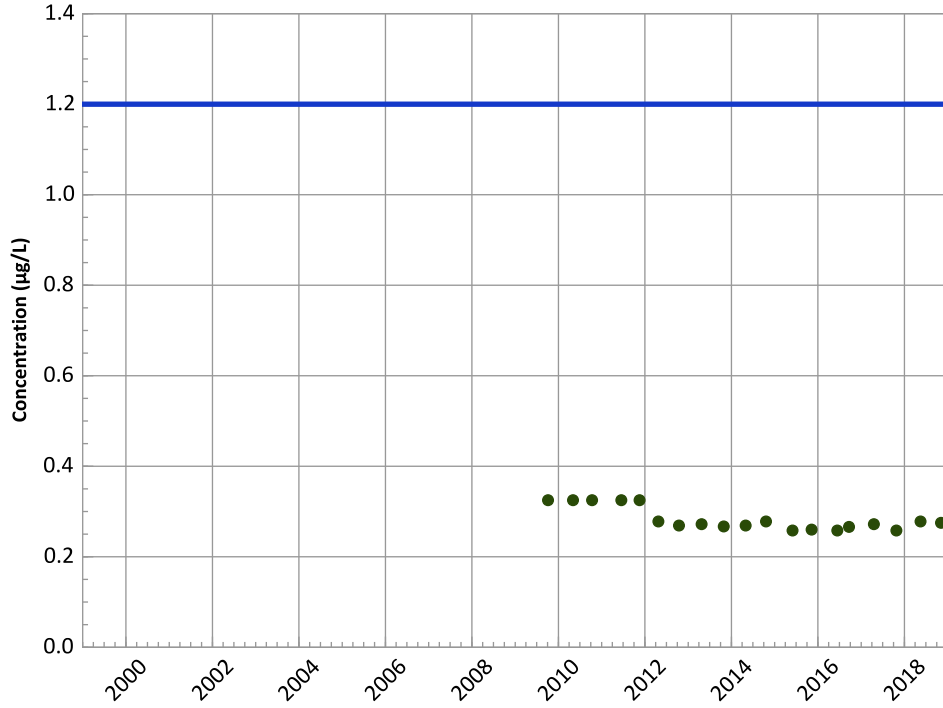


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

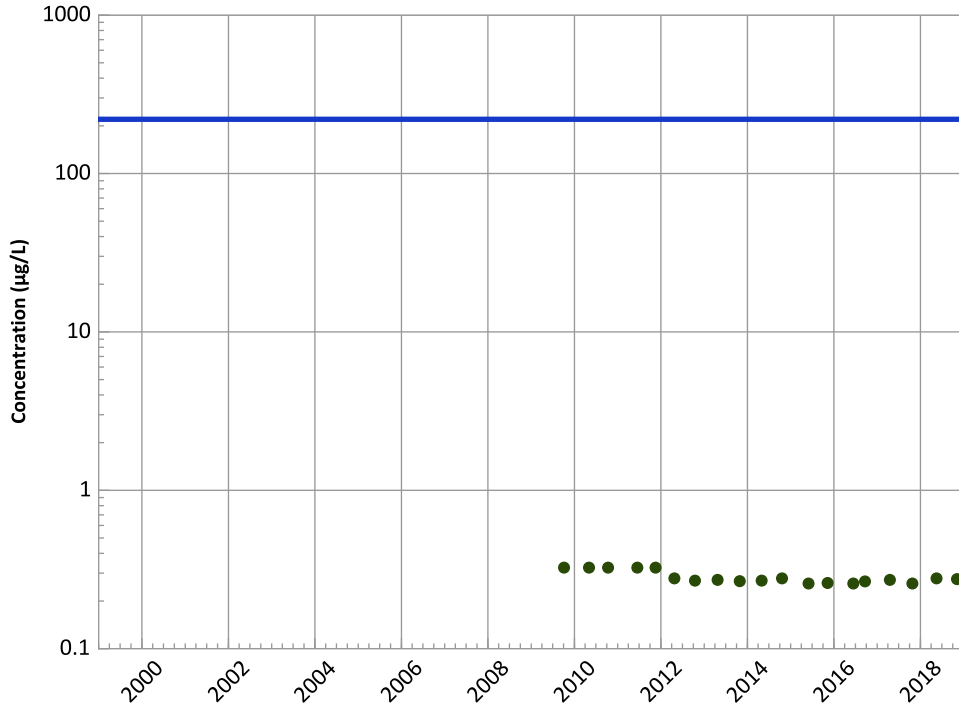
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

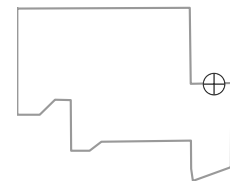
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

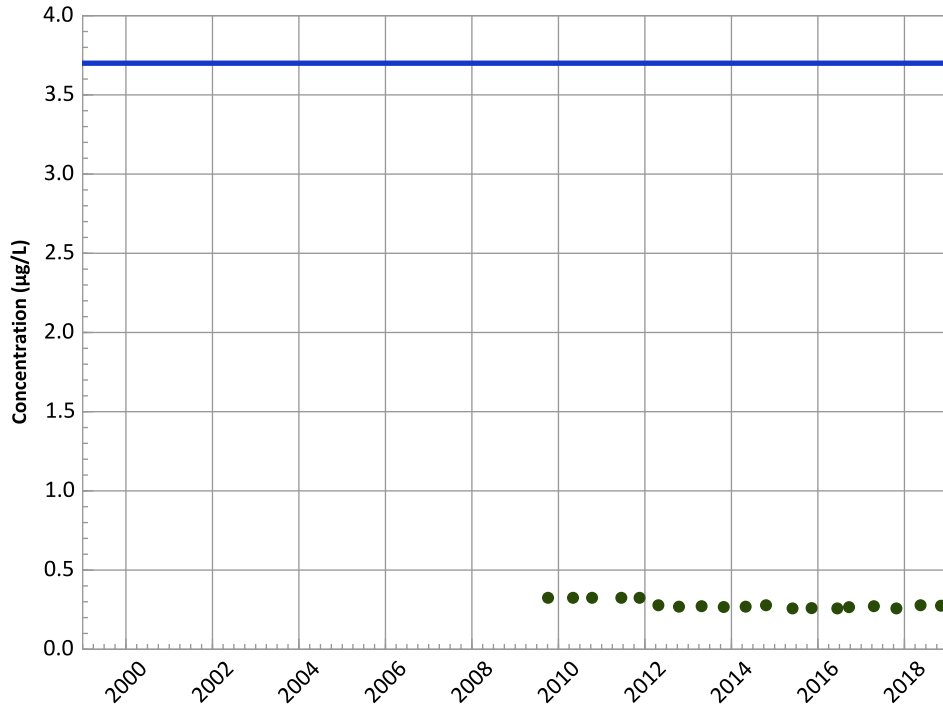


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

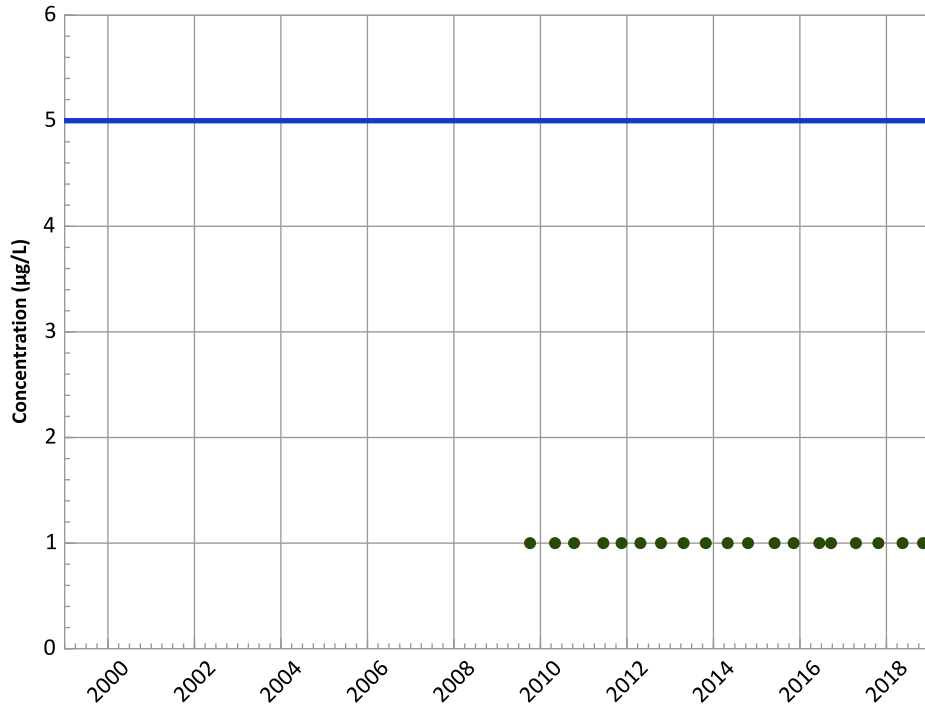
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

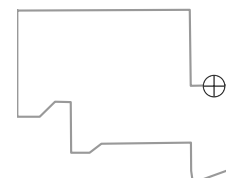
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

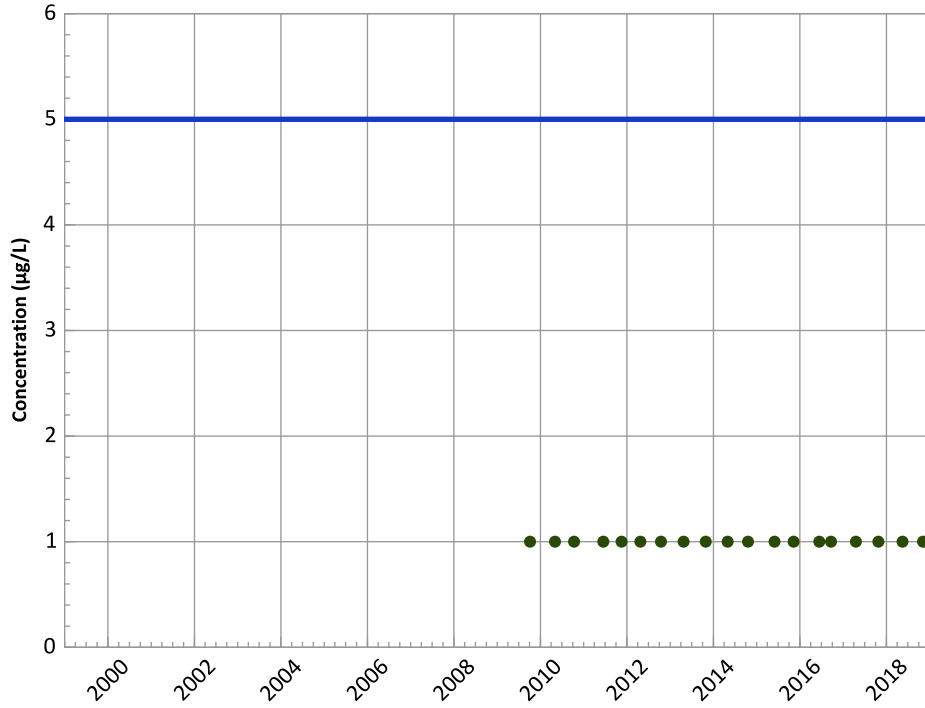


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

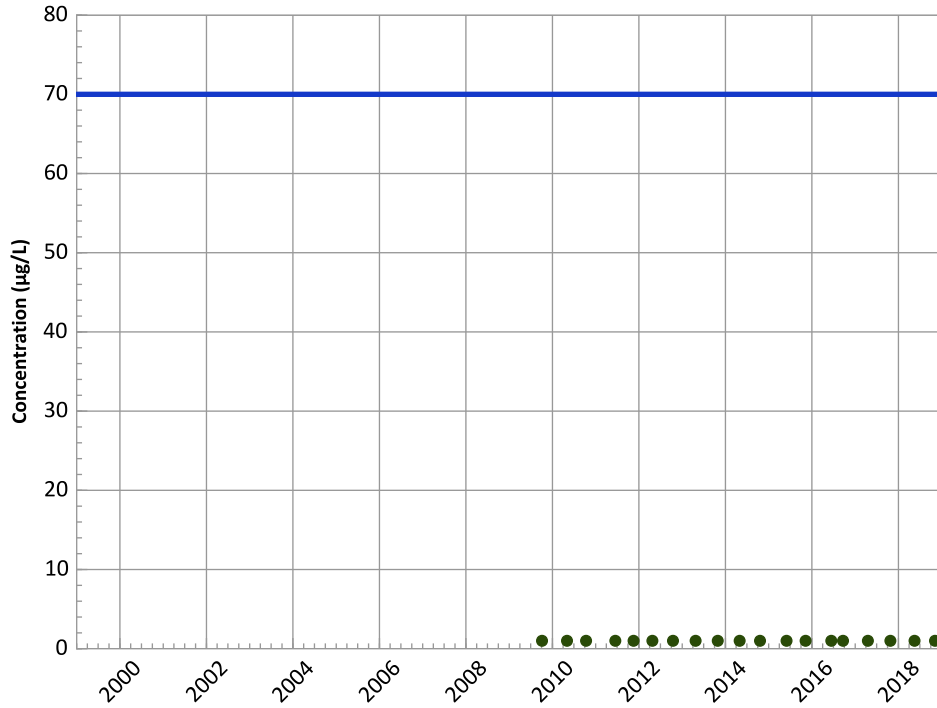
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

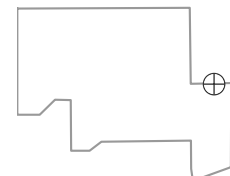
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

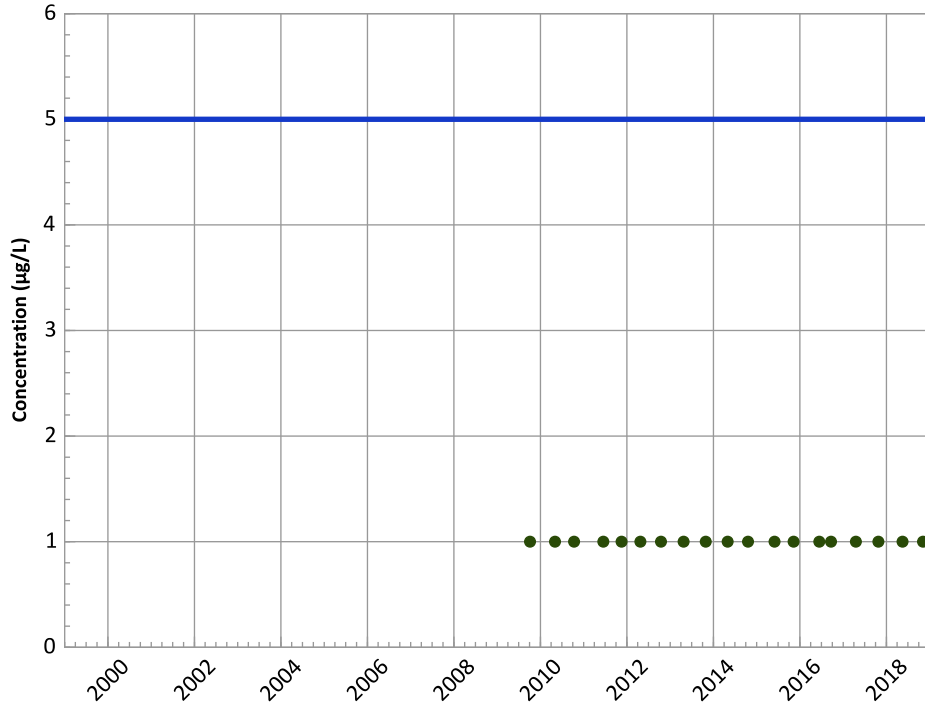
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

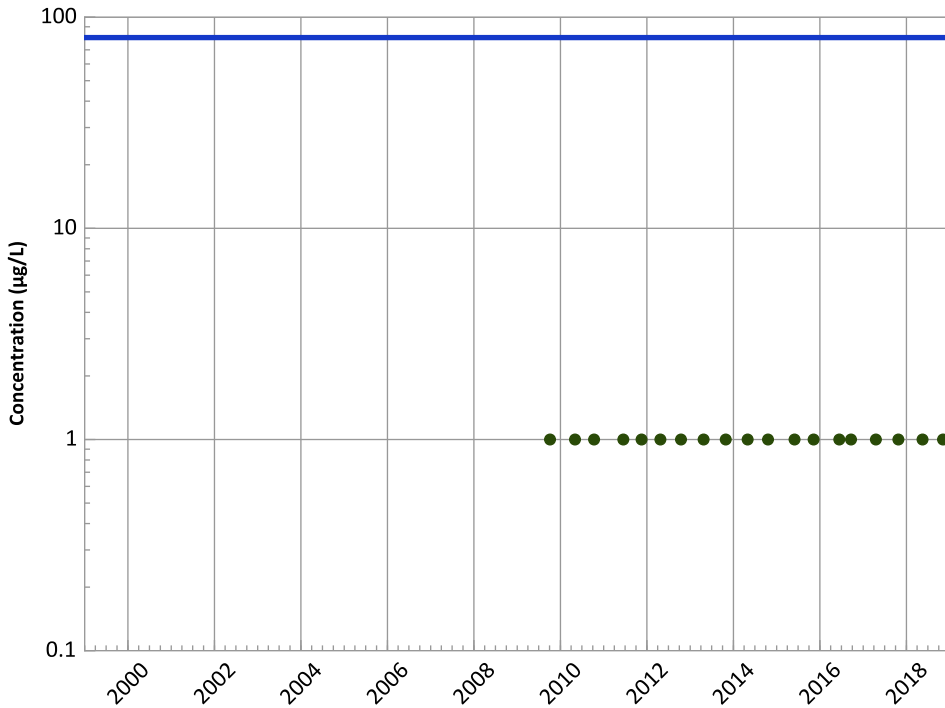
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

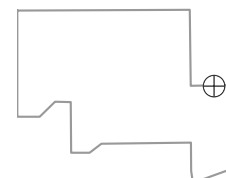
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

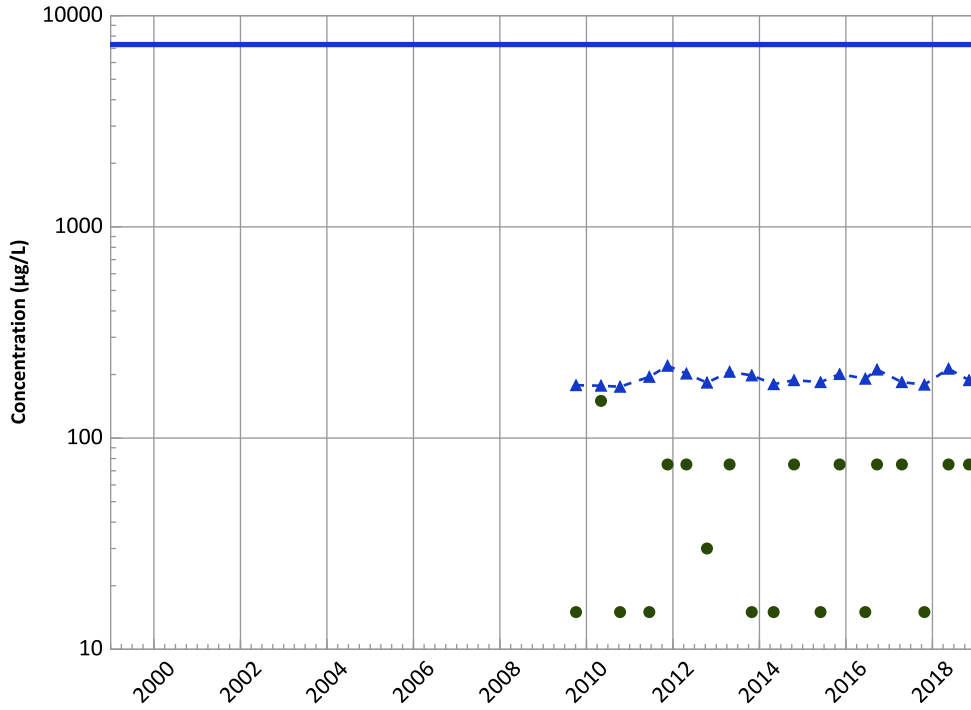


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend

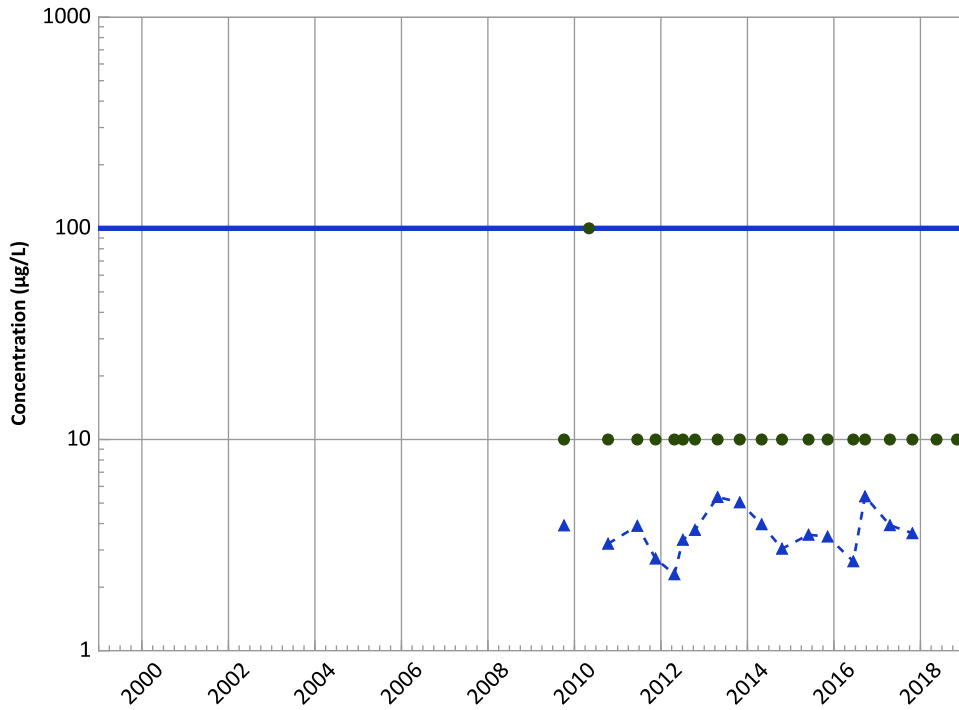


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
No Trend

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

Chromium, Total Trend

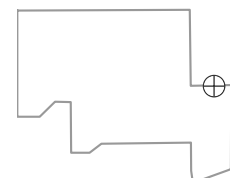


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
No Trend
All Data:
No Trend

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

Well Location

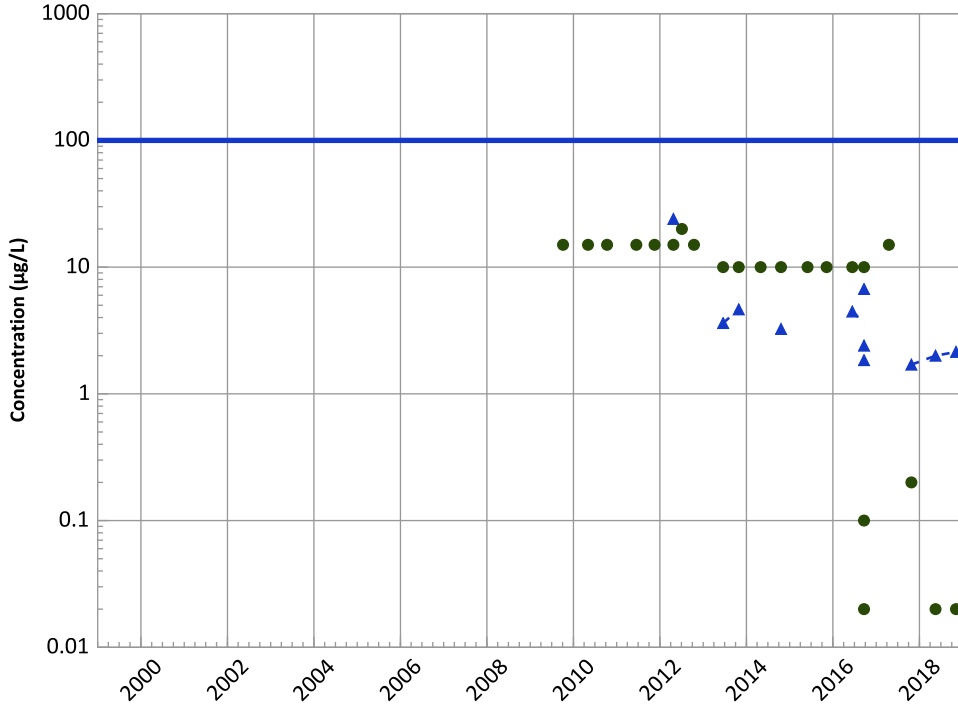


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

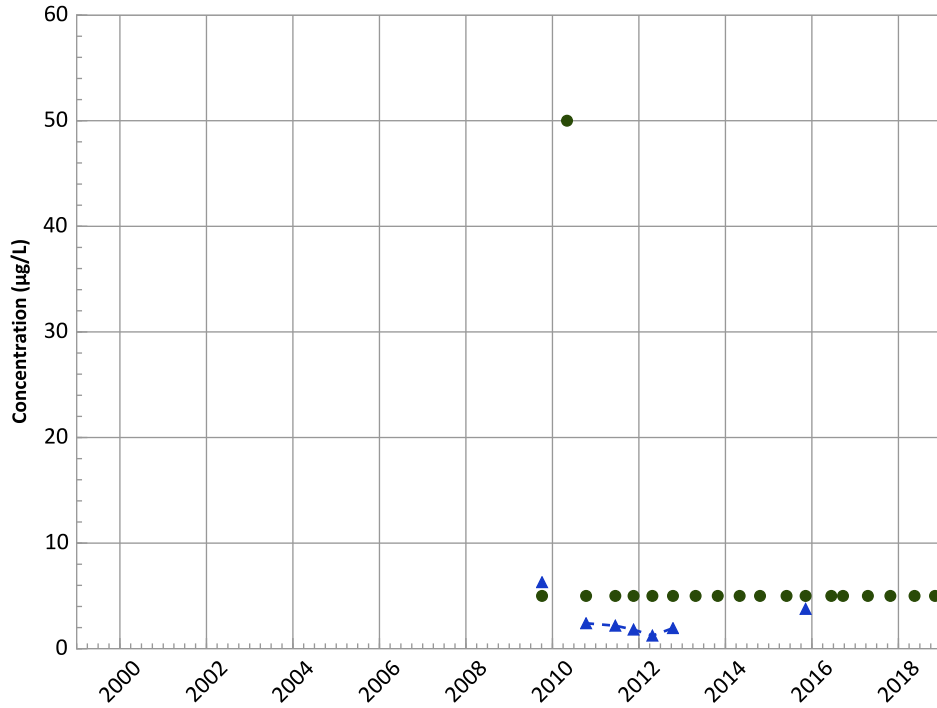


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
Decreasing

Manganese Trend



Concentration Trend

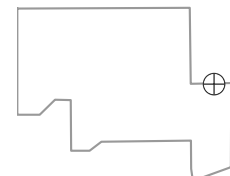
MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
No Trend

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Stable

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

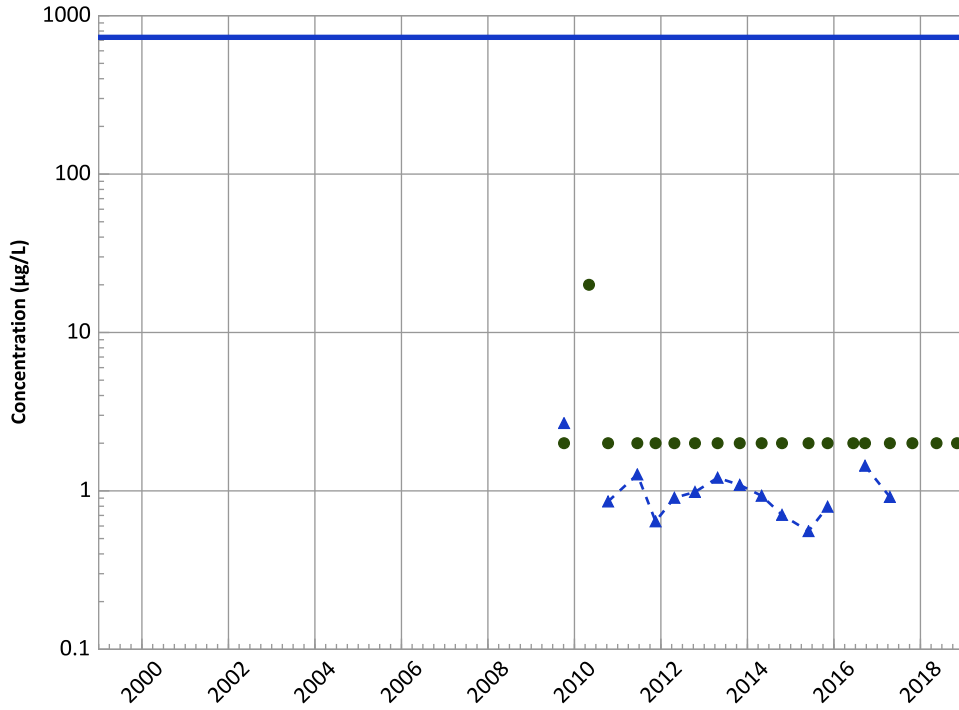
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1140 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

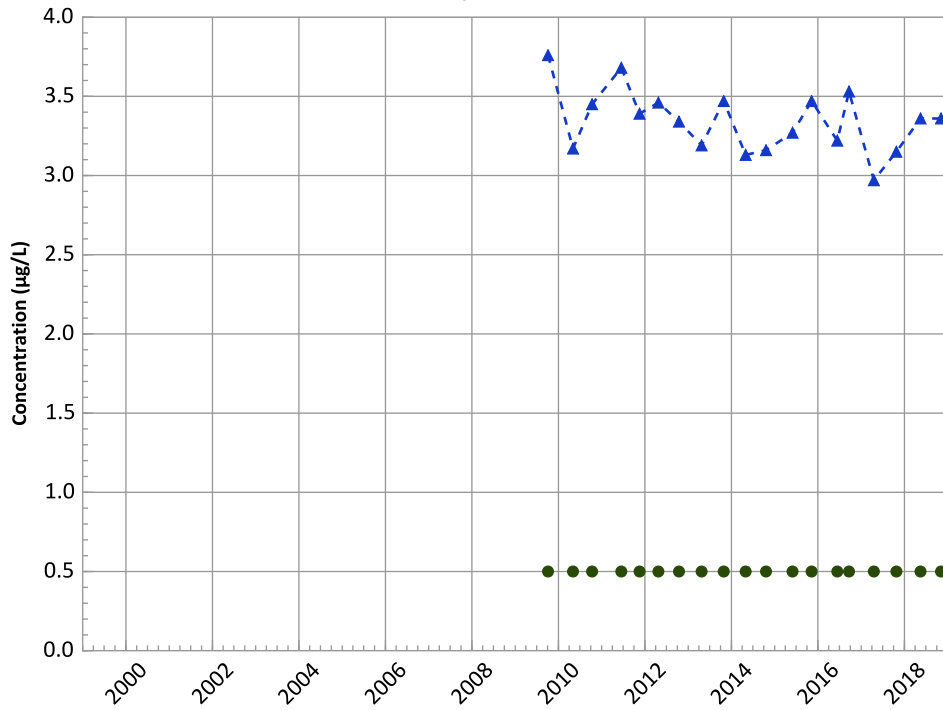
Data (2017 - 2021):

Stable

All Data:

Probably Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Decreasing

MAROS Linear Regression Method

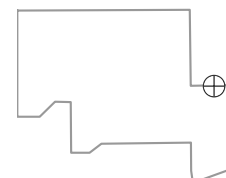
Data (2017 - 2021):

Increasing

All Data:

Decreasing

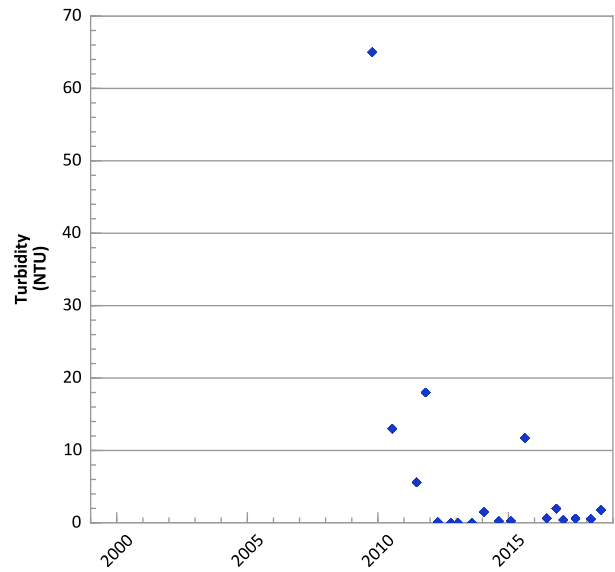
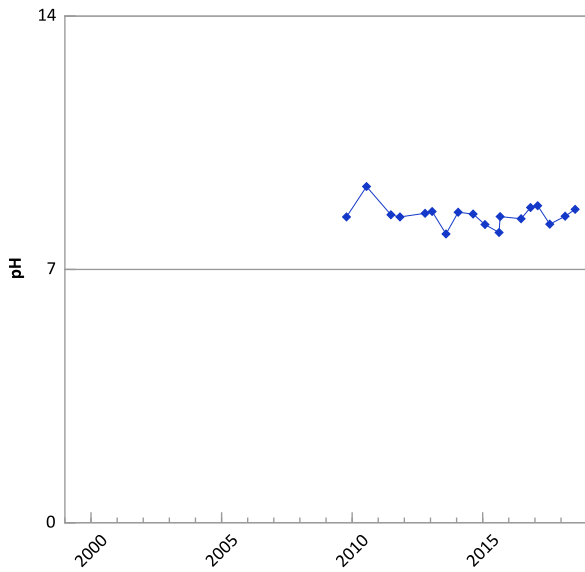
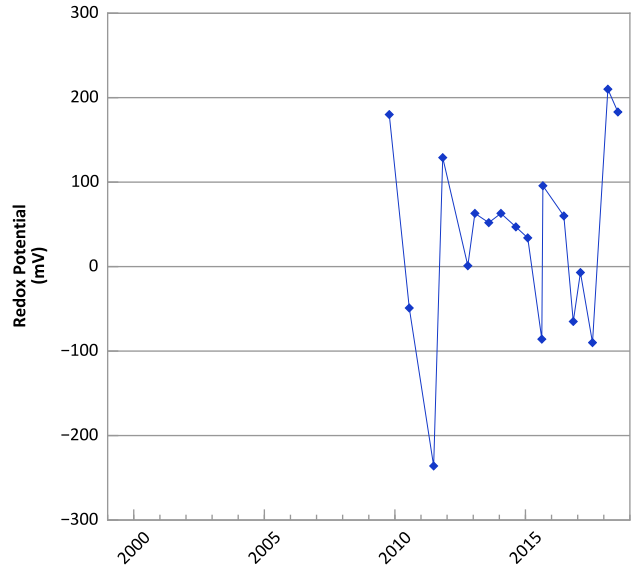
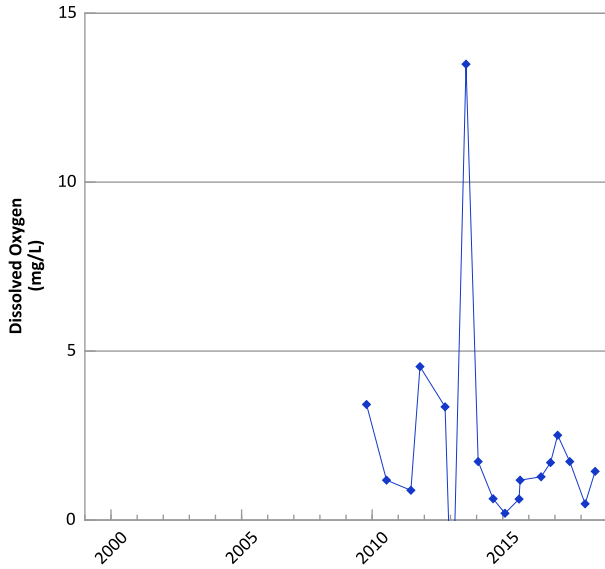
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/05/2009 to 11/06/2018
Analysis Date: 02/14/2019

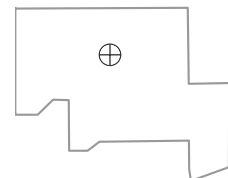
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



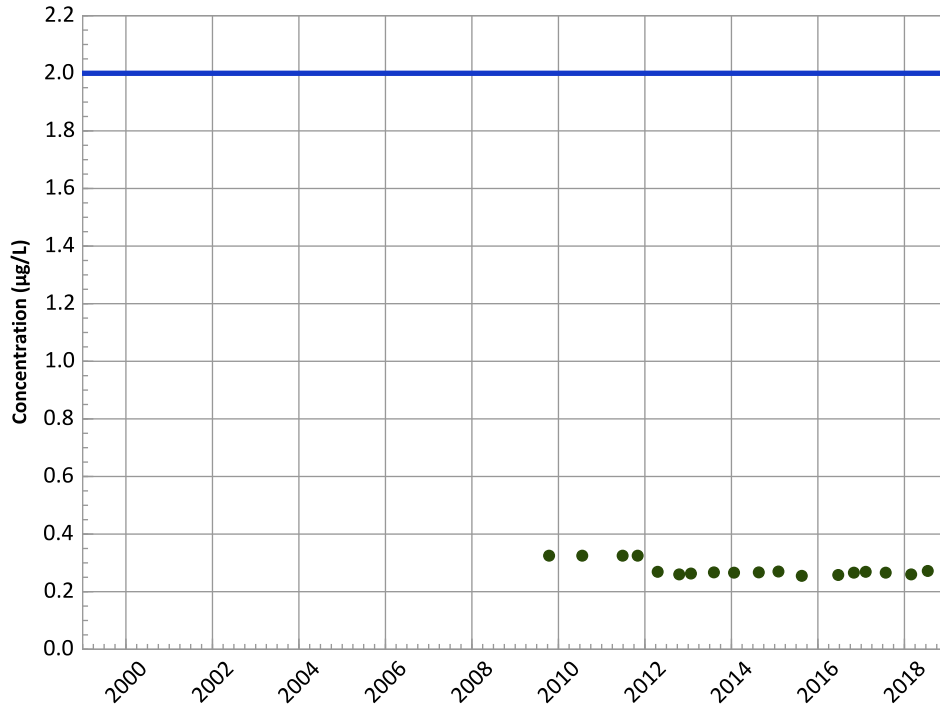
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 10/14/2009 to 07/17/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

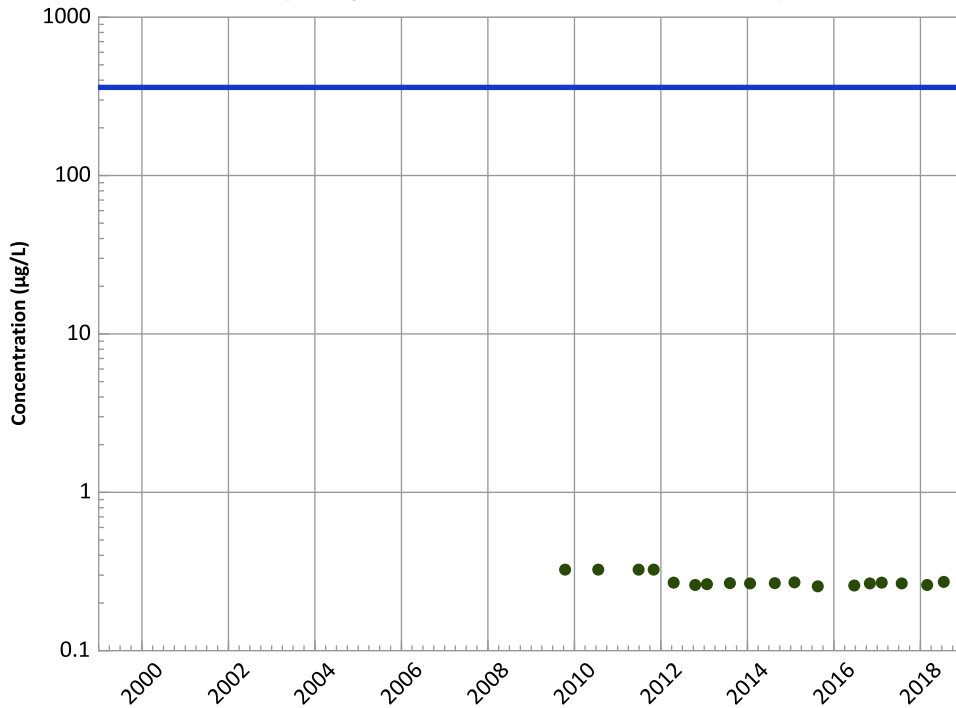
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

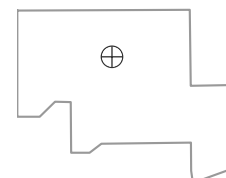
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

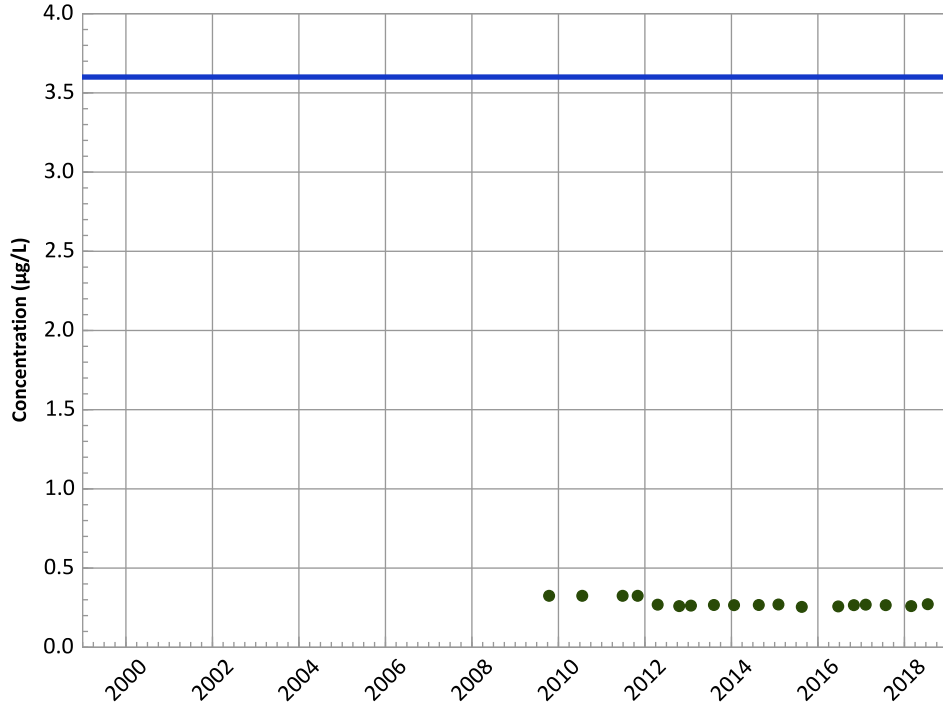


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

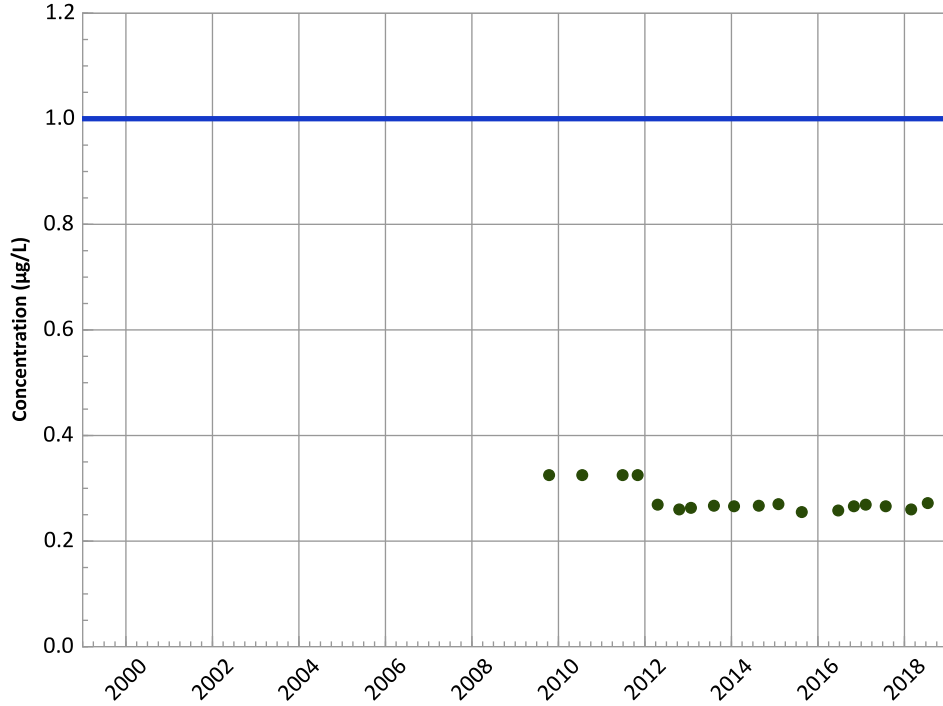
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

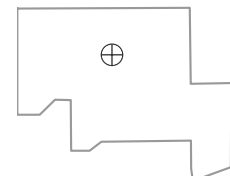
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

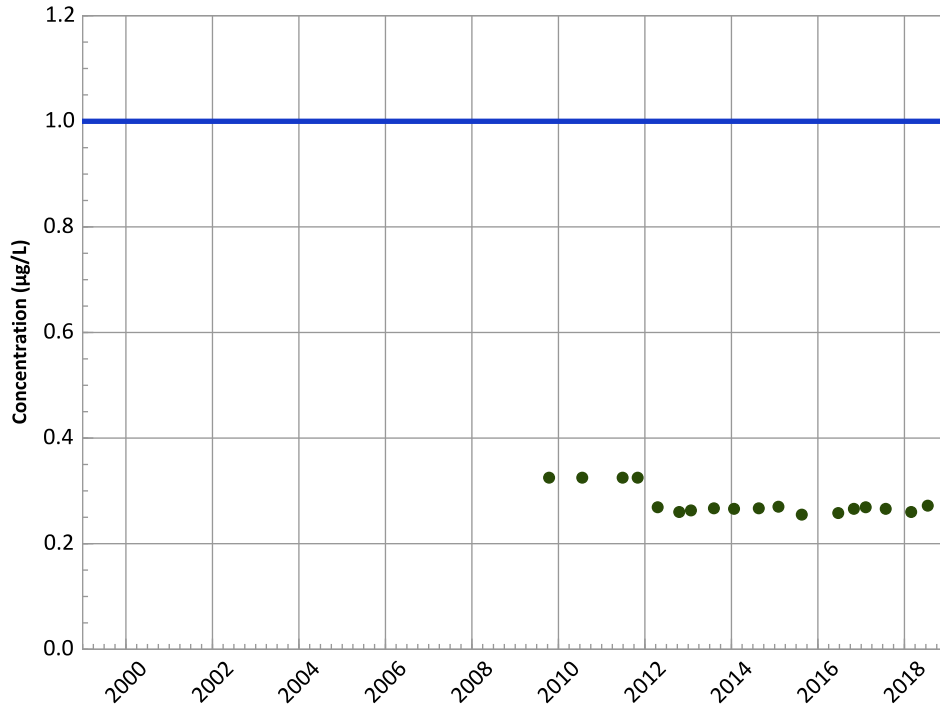


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

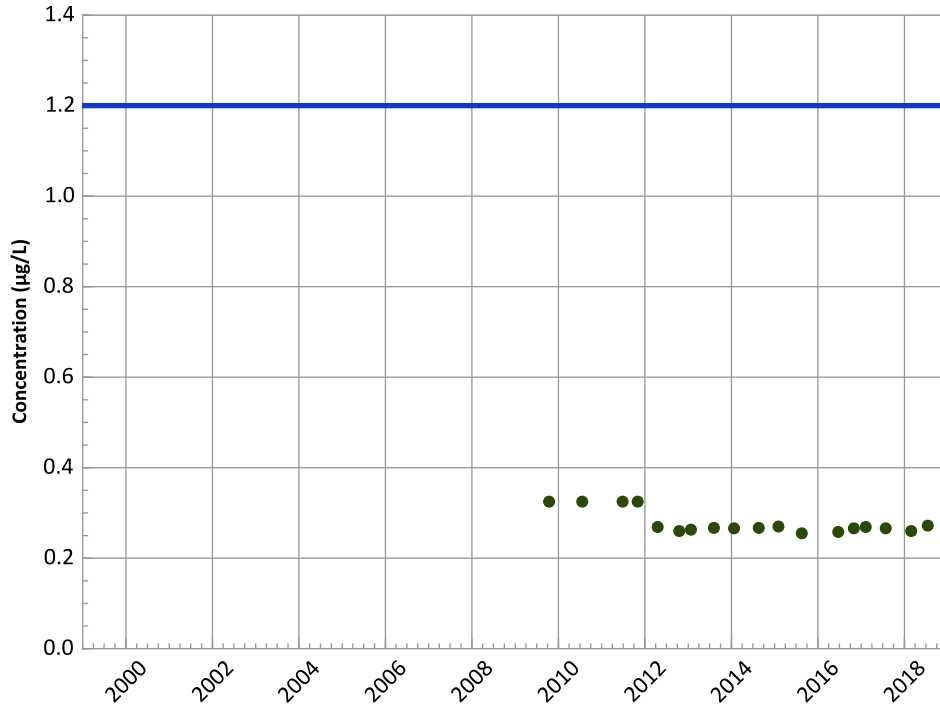
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

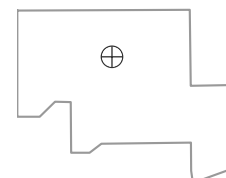
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

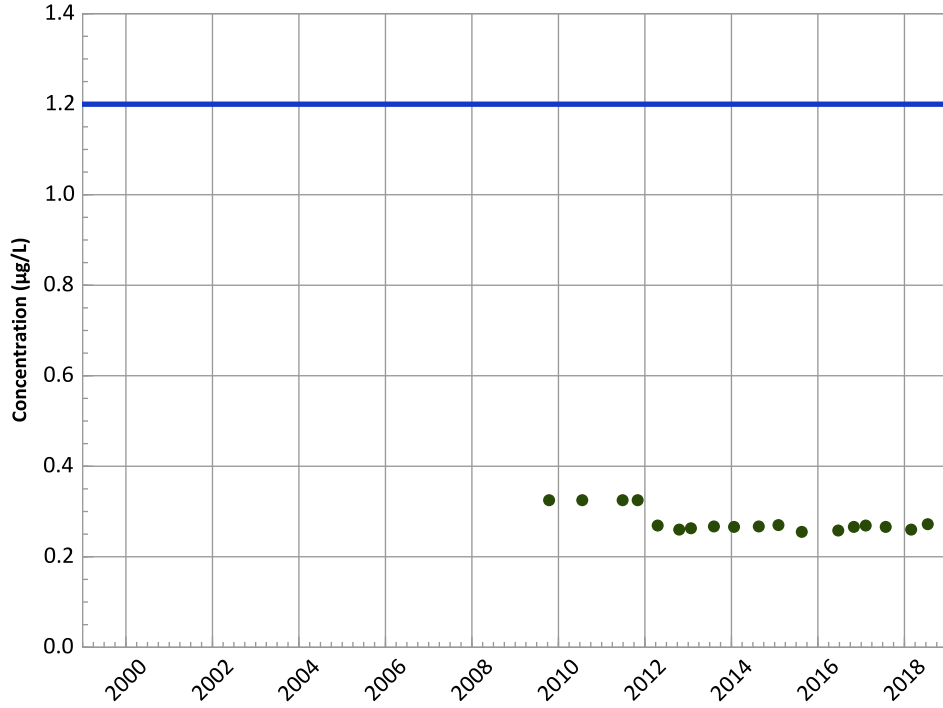


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

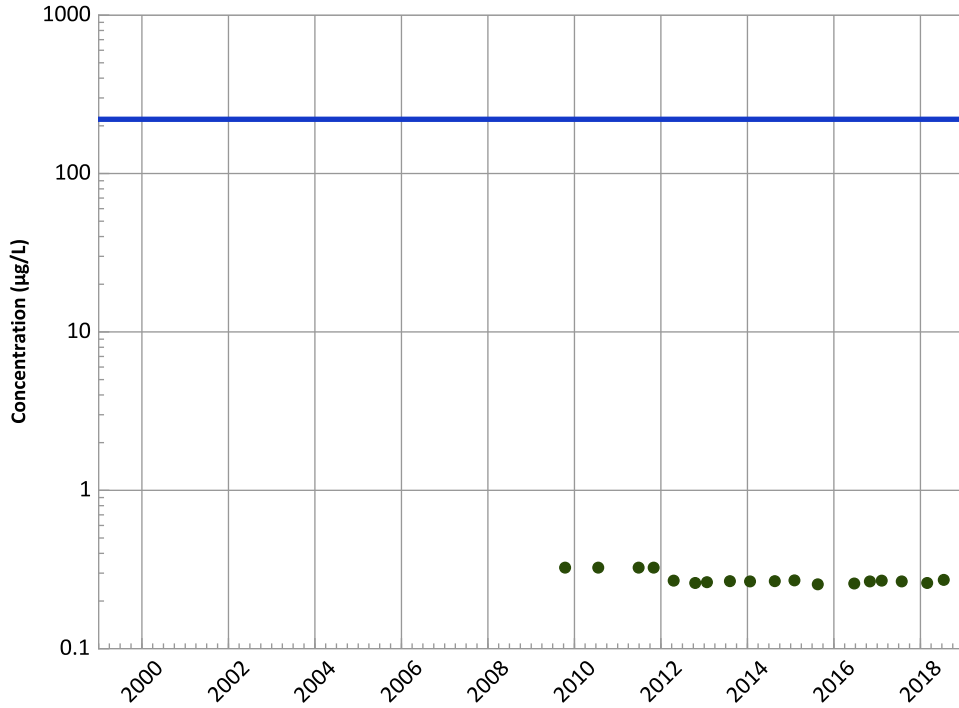
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

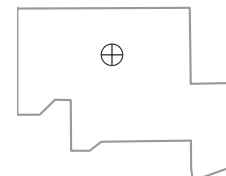
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

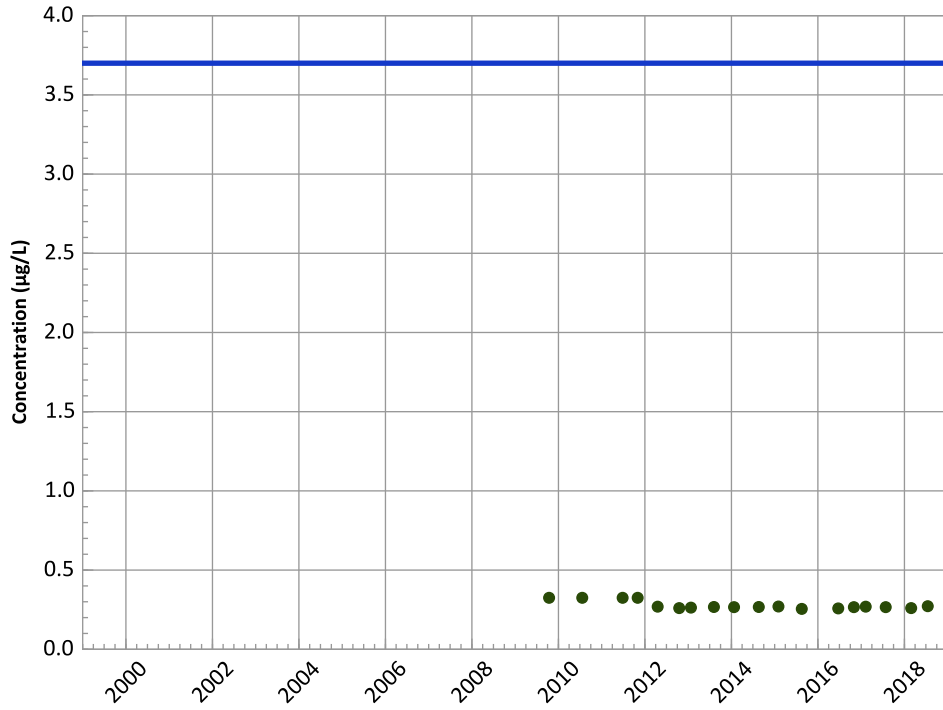


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

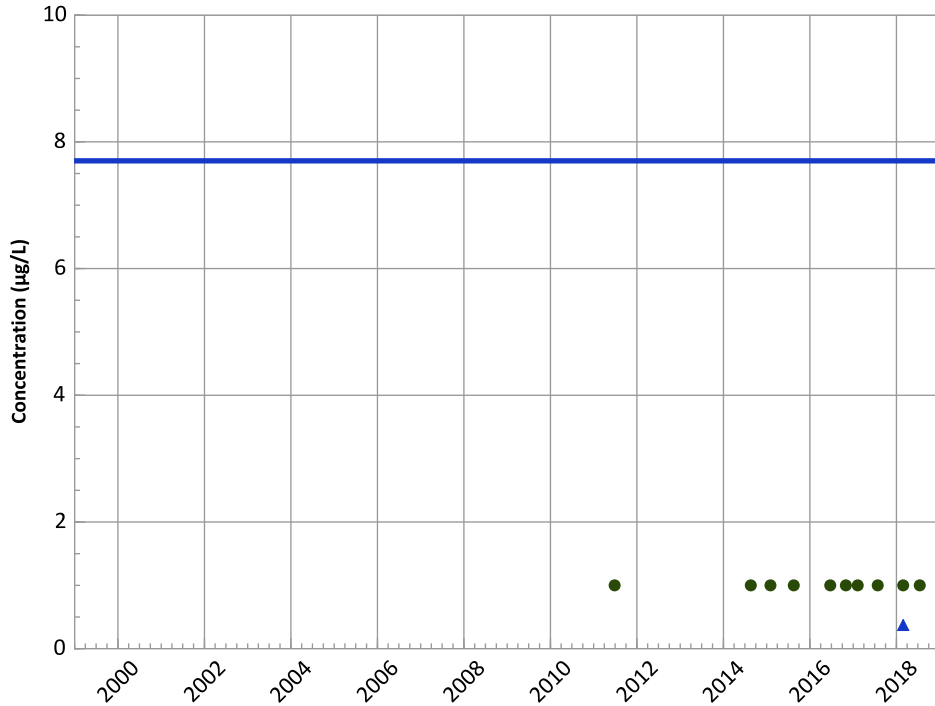
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

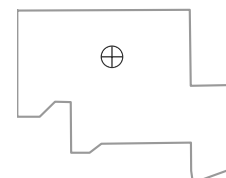
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

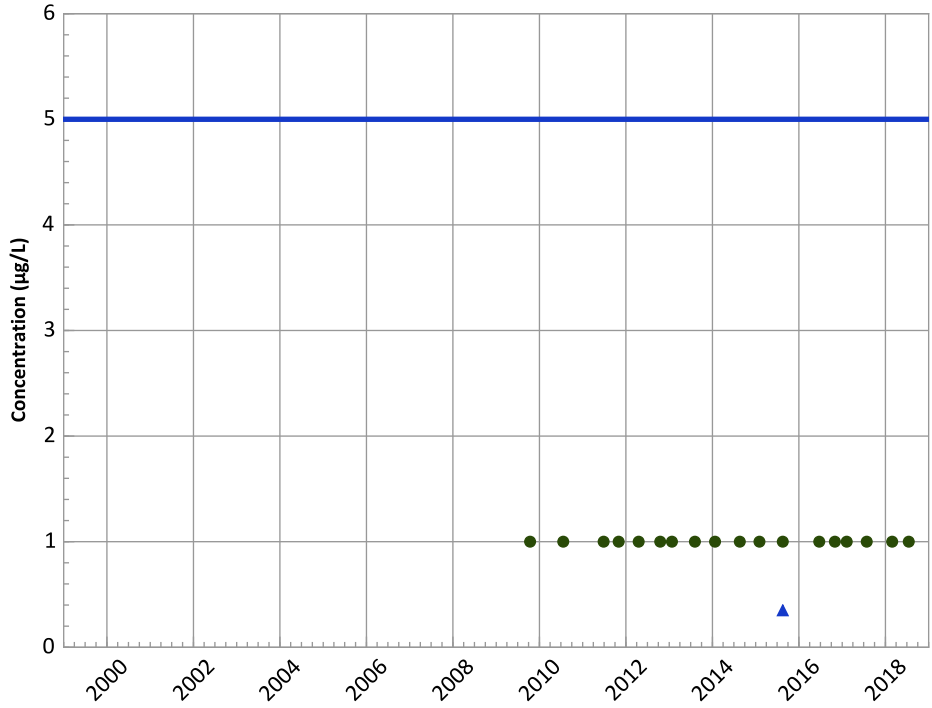
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**

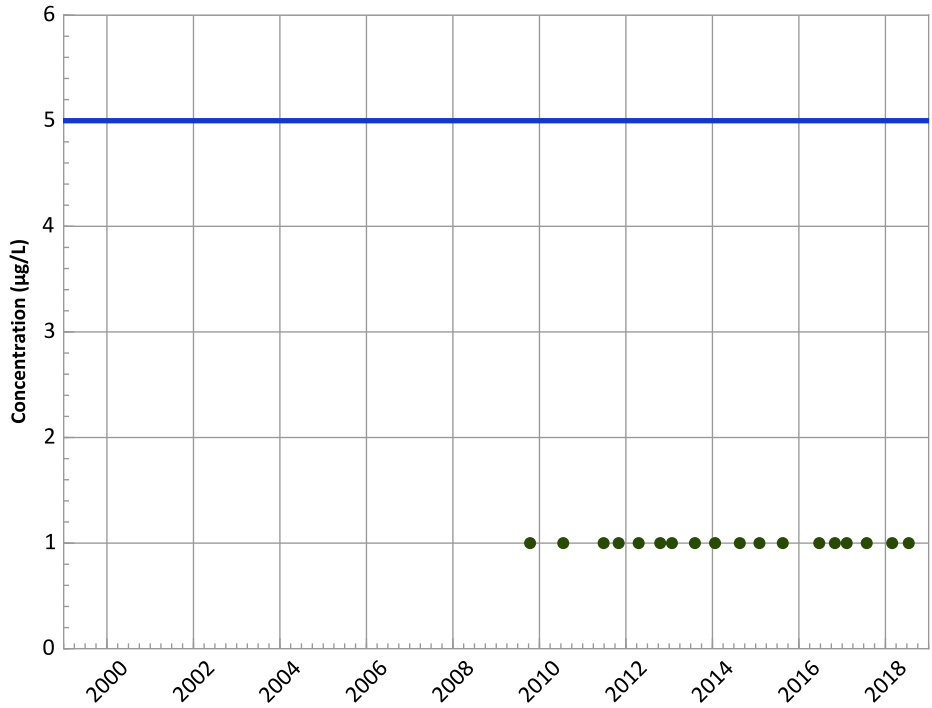


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
N/A (<4 Detections in Dataset)

Trichloroethene Trend

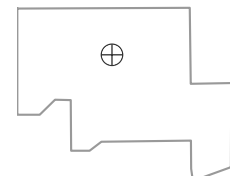


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

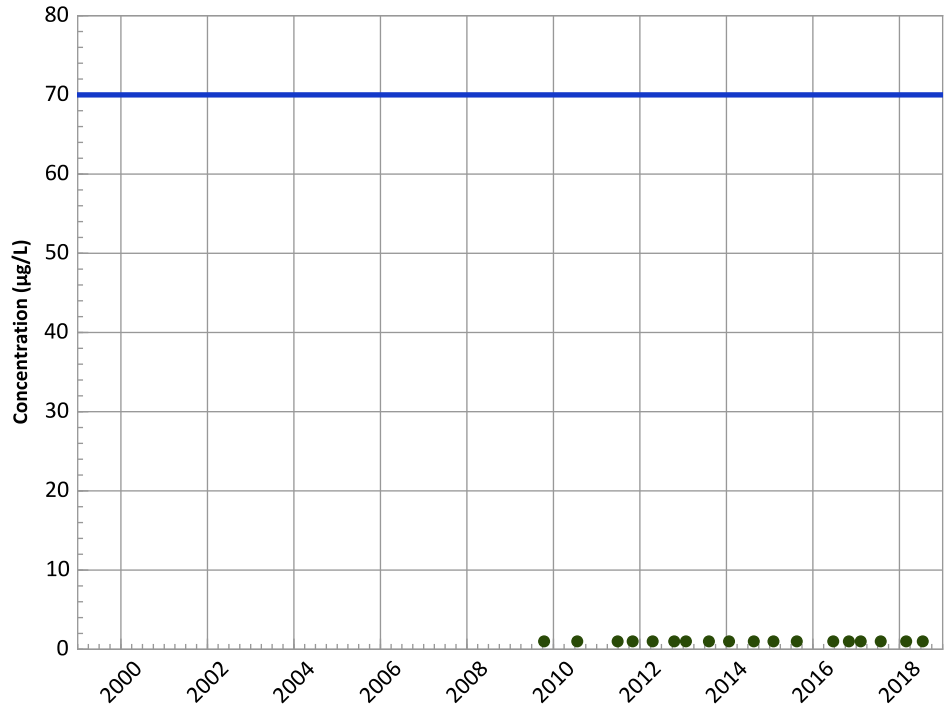
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**
cis-1,2-Dichloroethene Trend

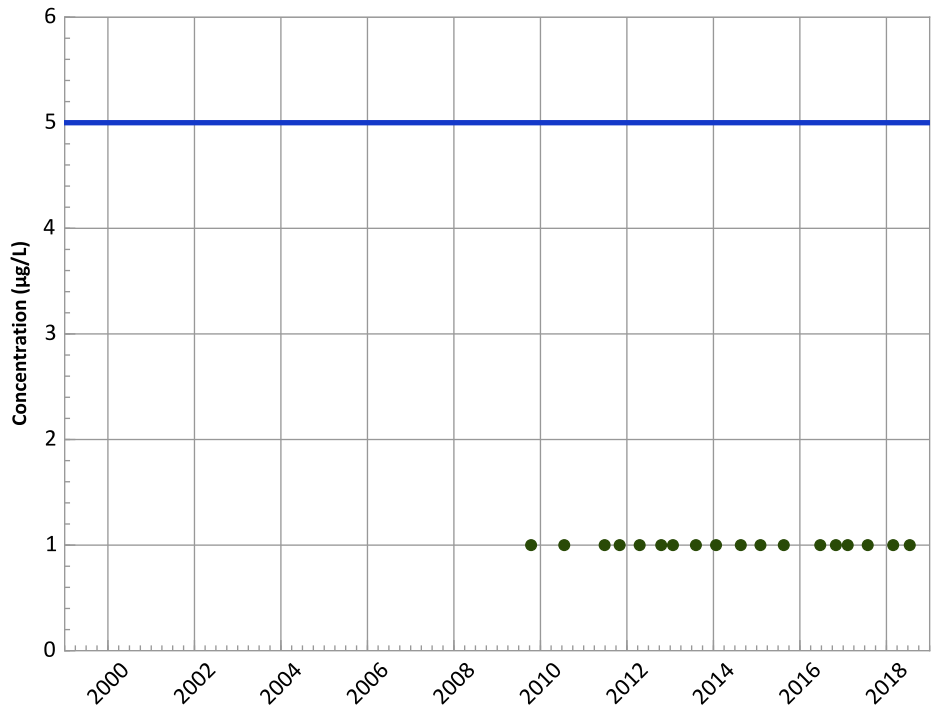


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

1,2-Dichloroethane Trend

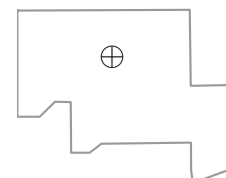


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

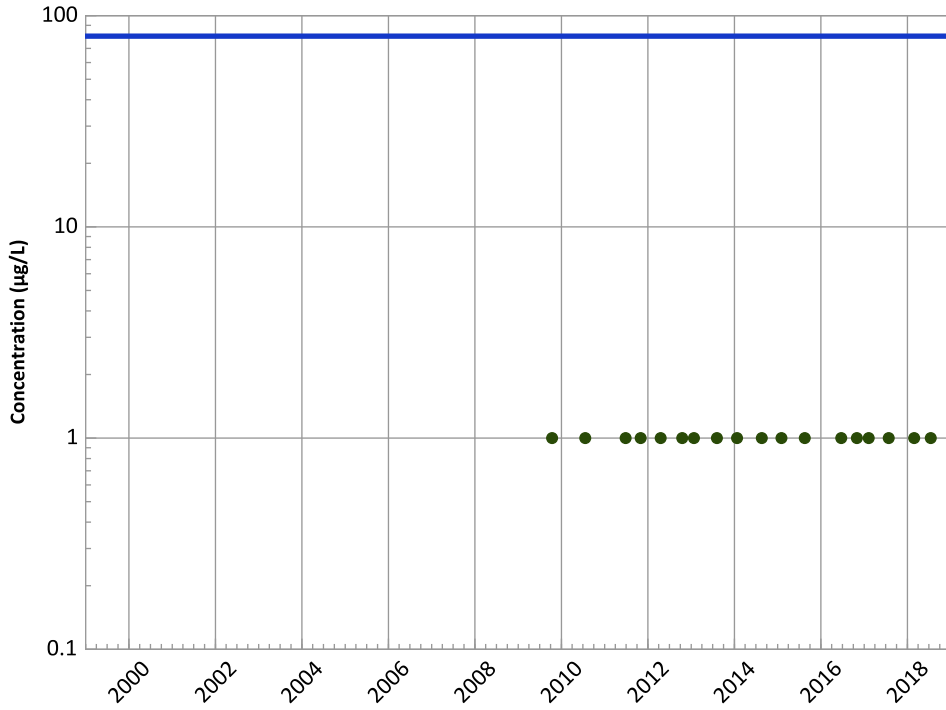
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

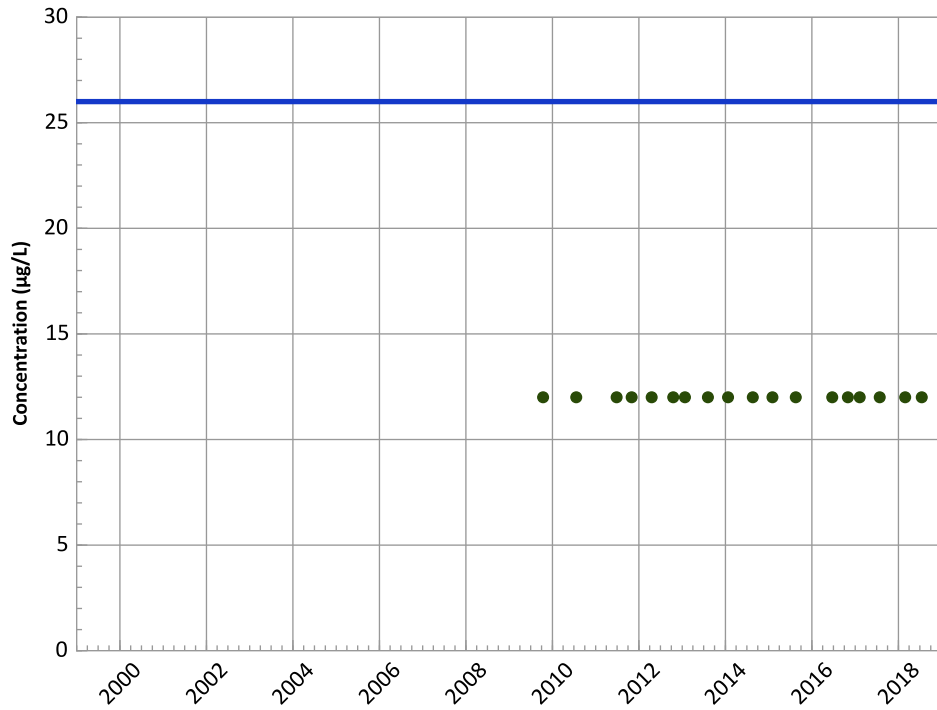


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

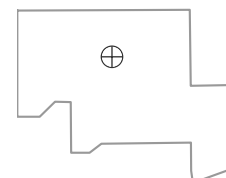


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

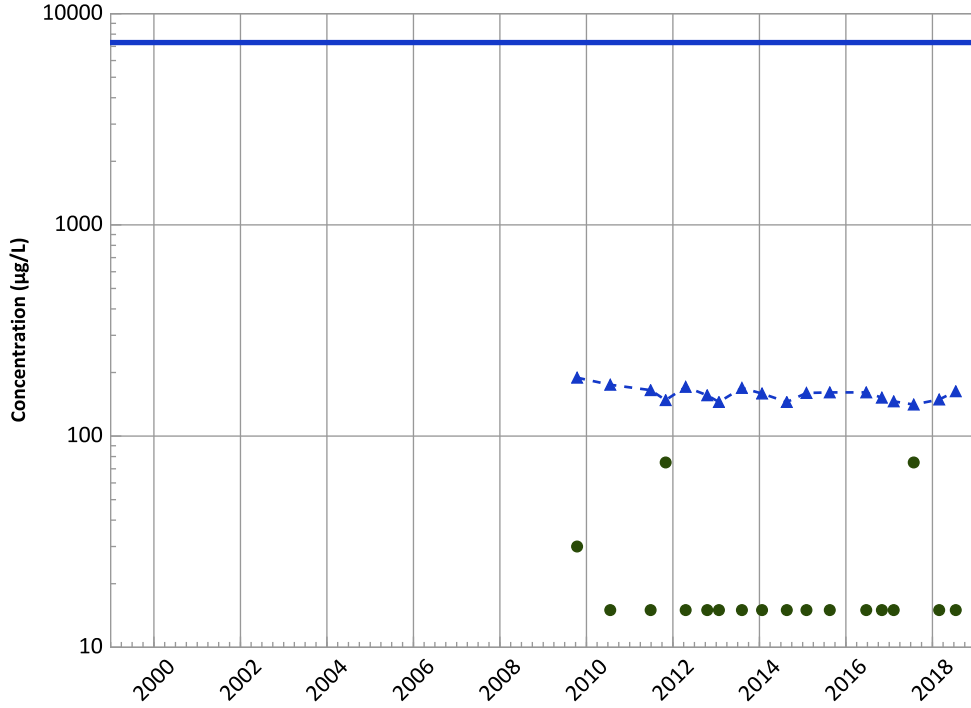


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1141 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

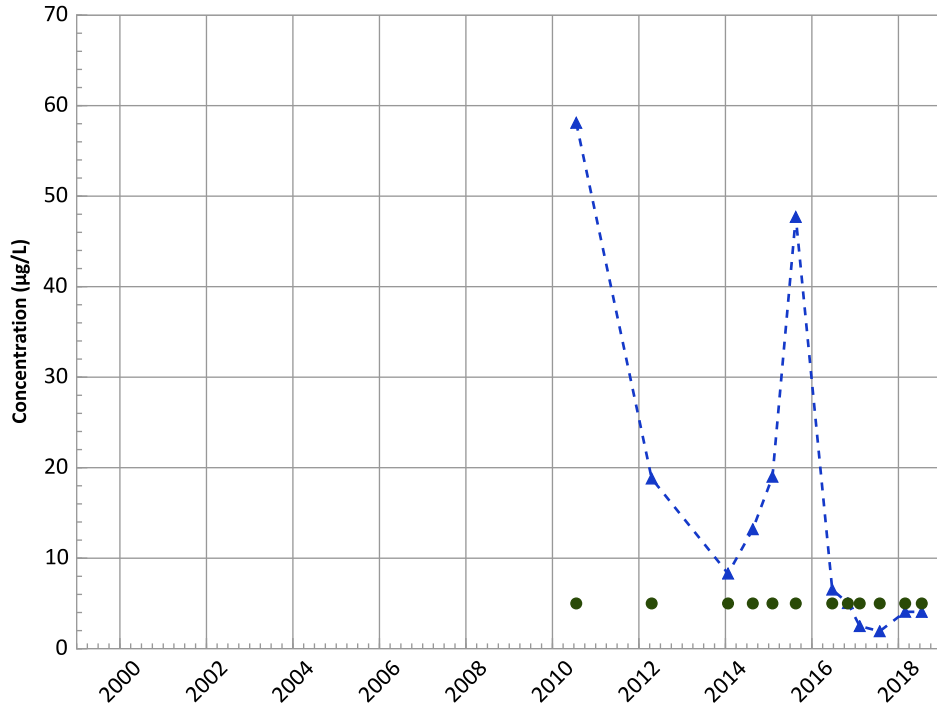
Data (2017 - 2021):

Stable

All Data:

Decreasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

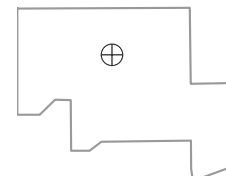
Data (2017 - 2021):

Stable

All Data:

Decreasing

Well Location

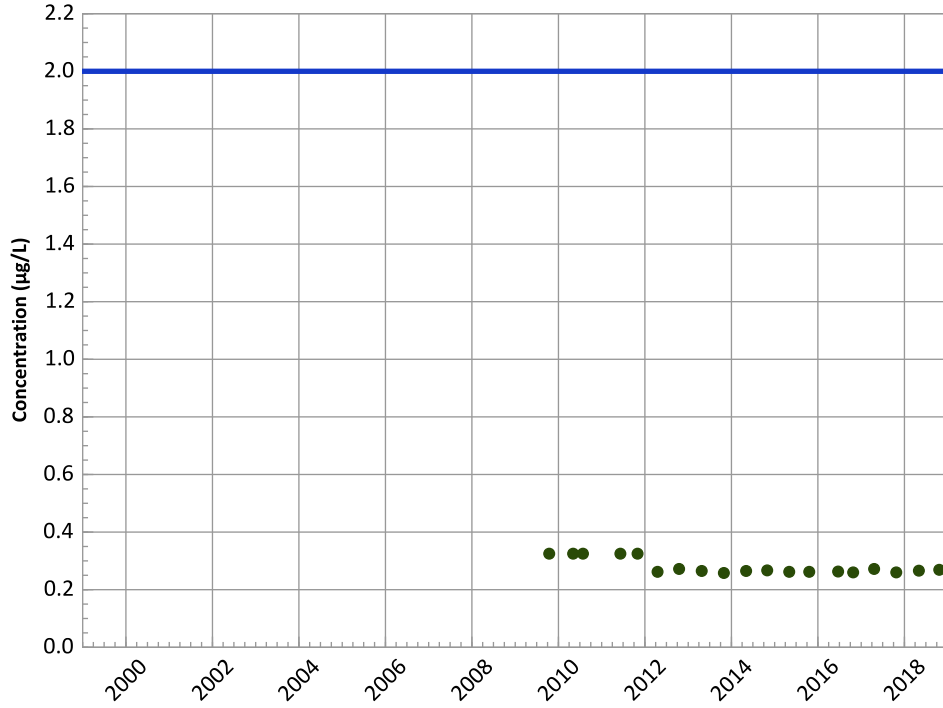


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/14/2009 to 07/17/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Trend

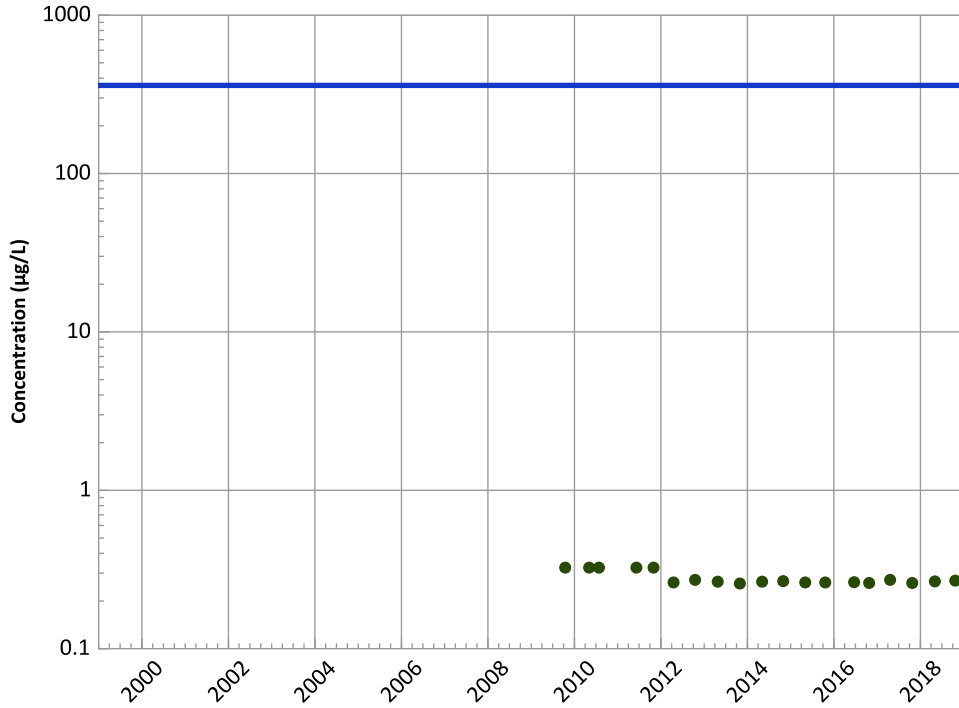


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend

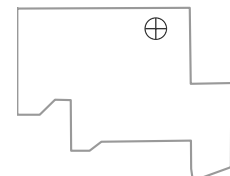


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

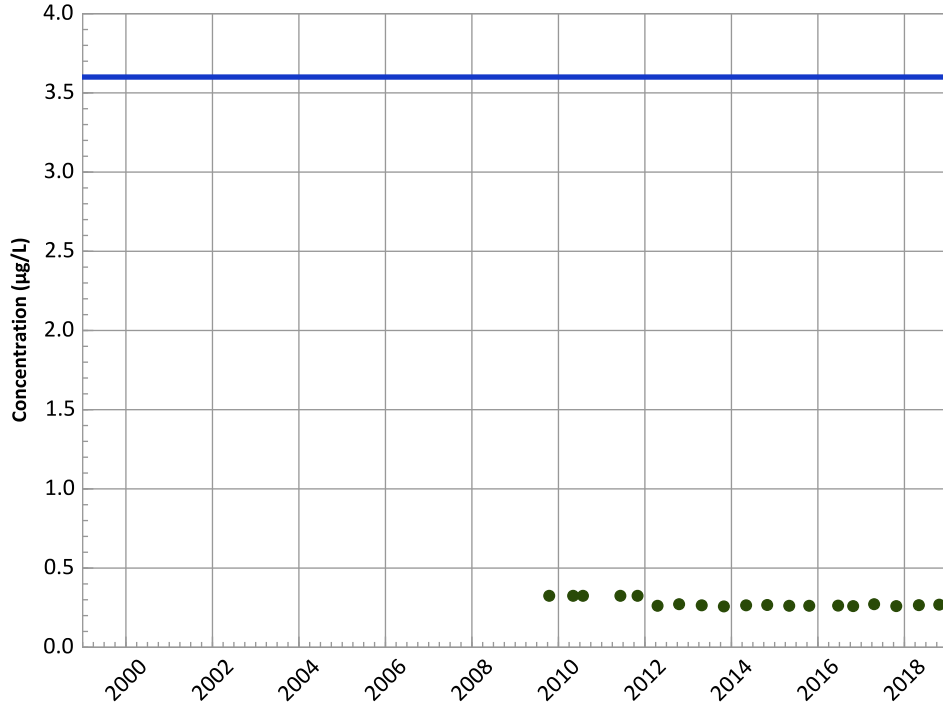


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

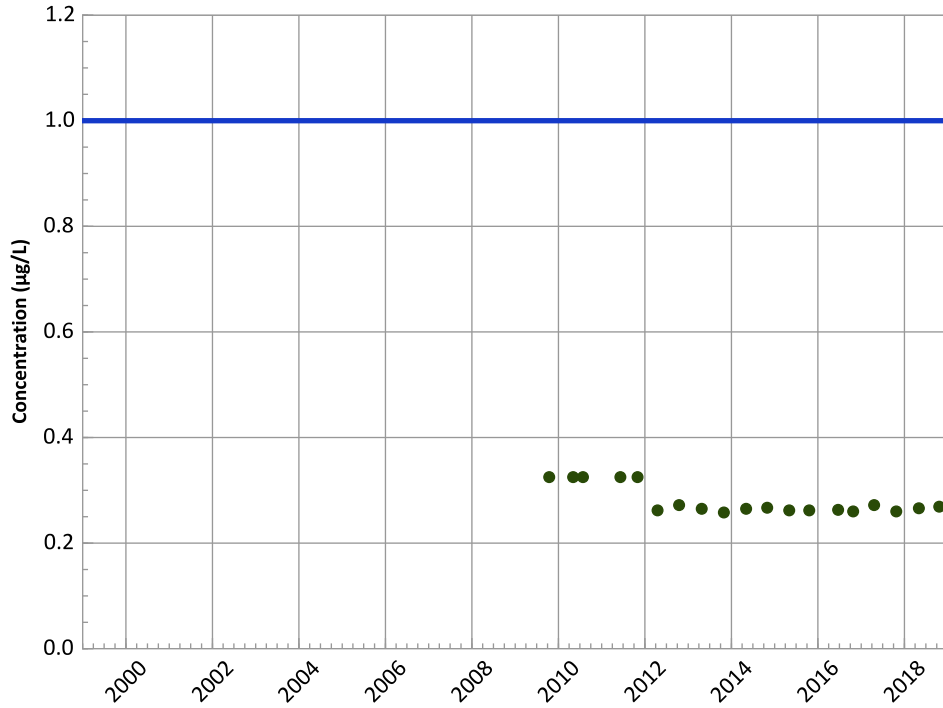
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

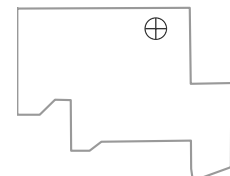
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

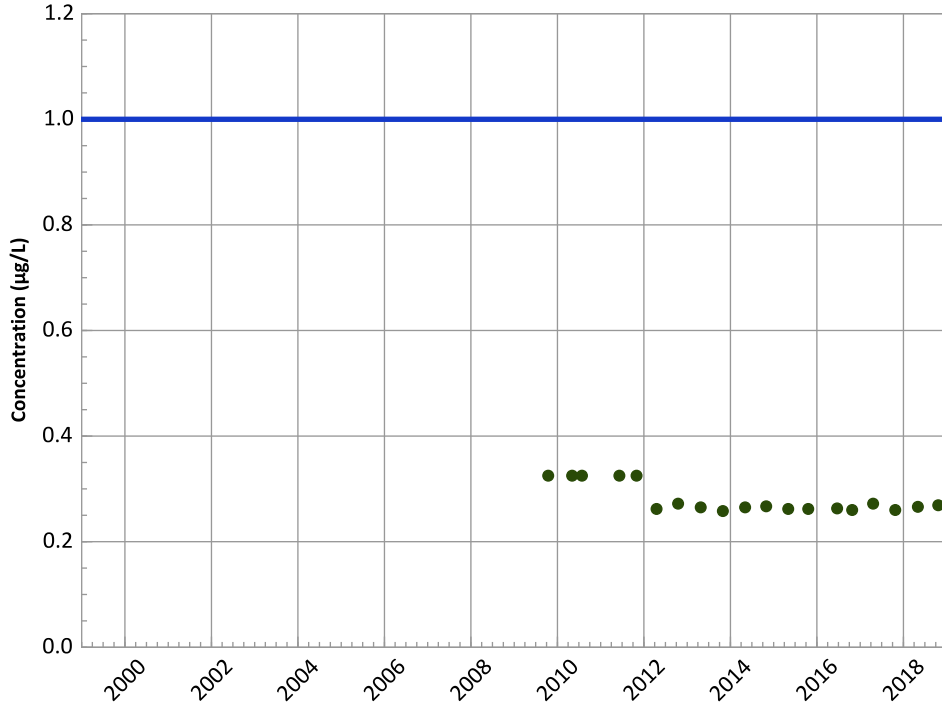


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

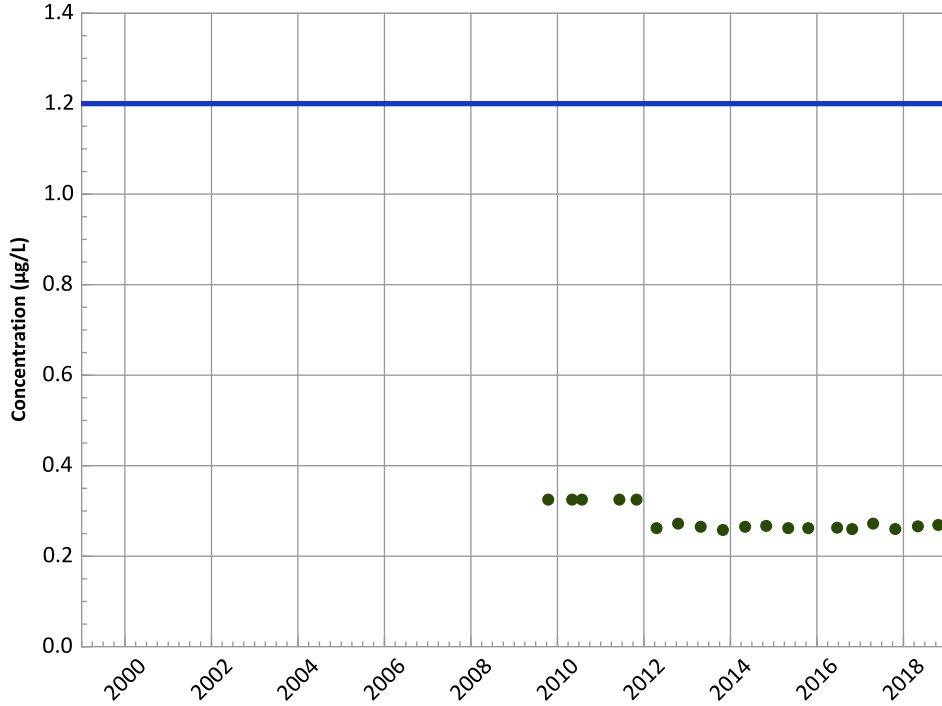
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

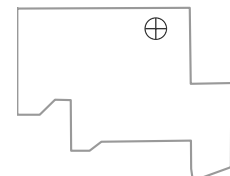
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

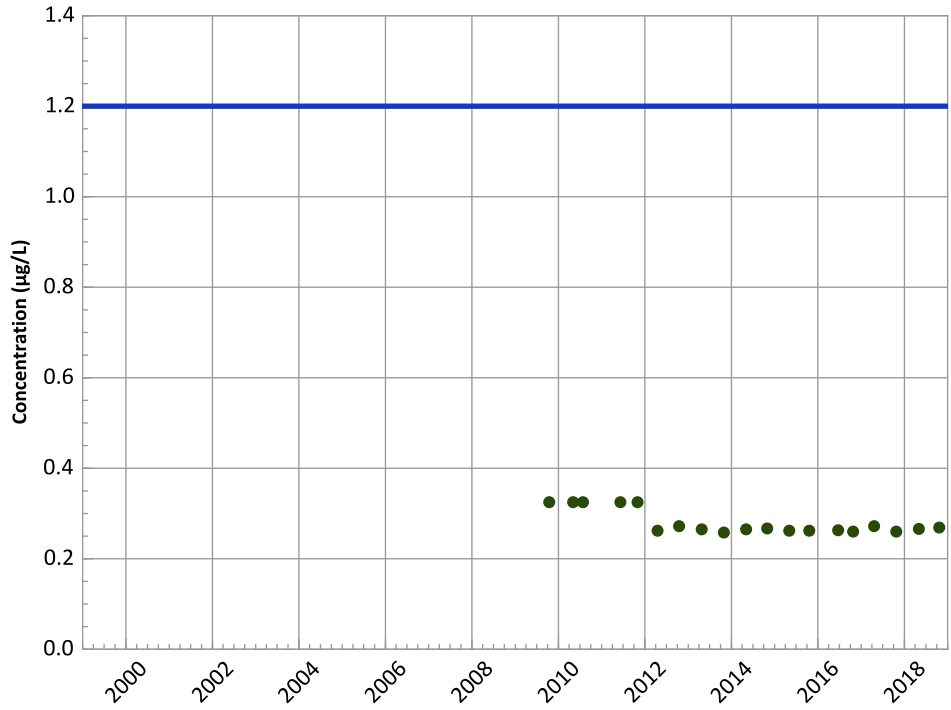


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

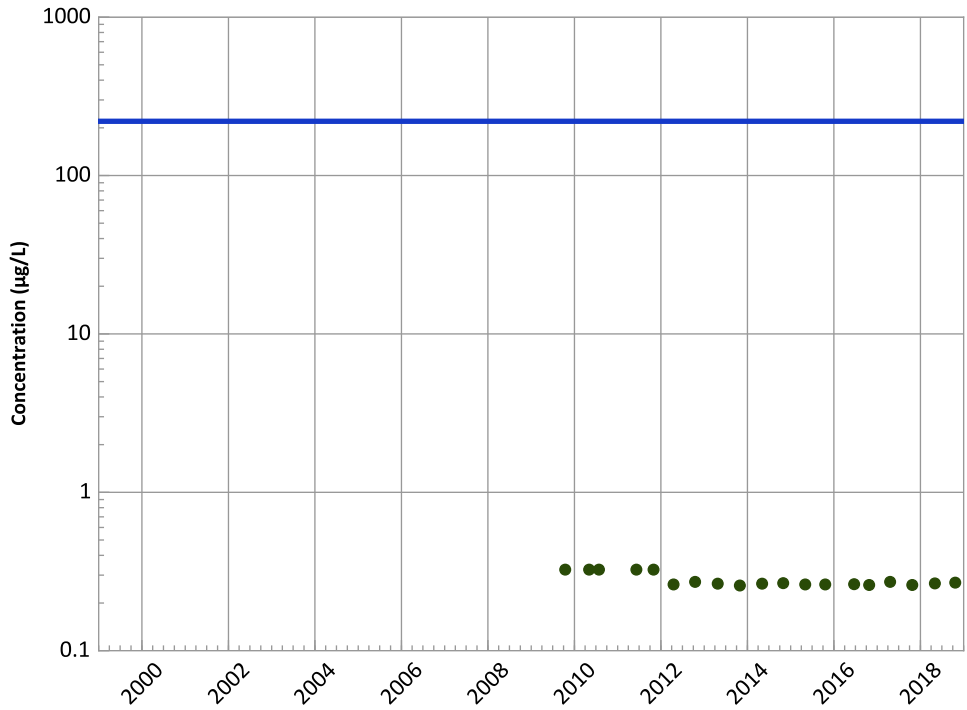
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

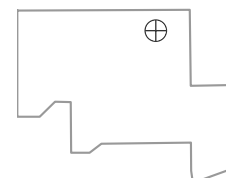
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

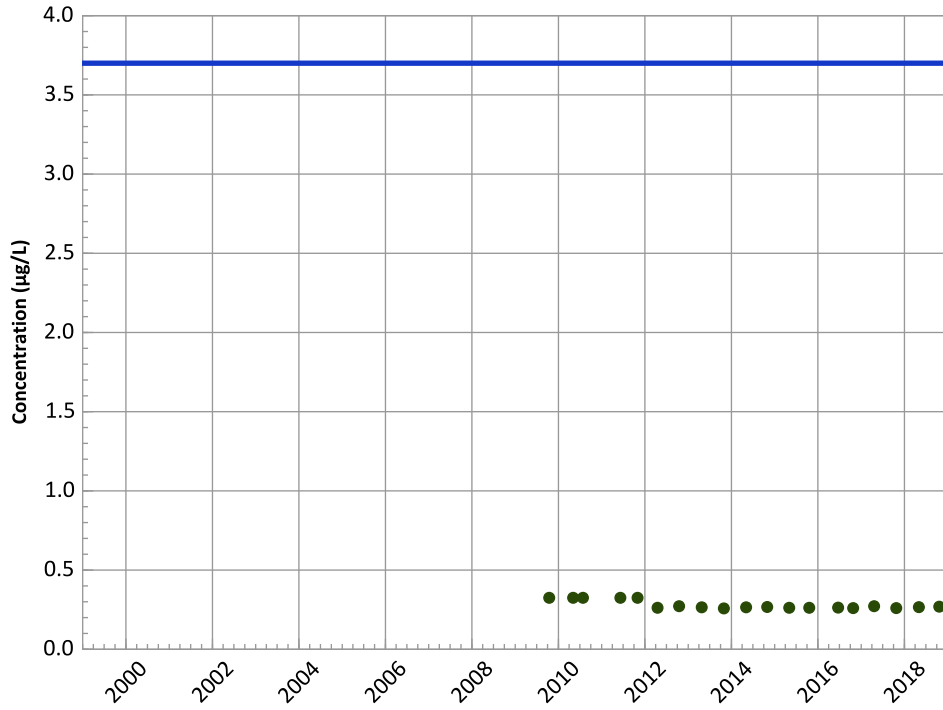


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

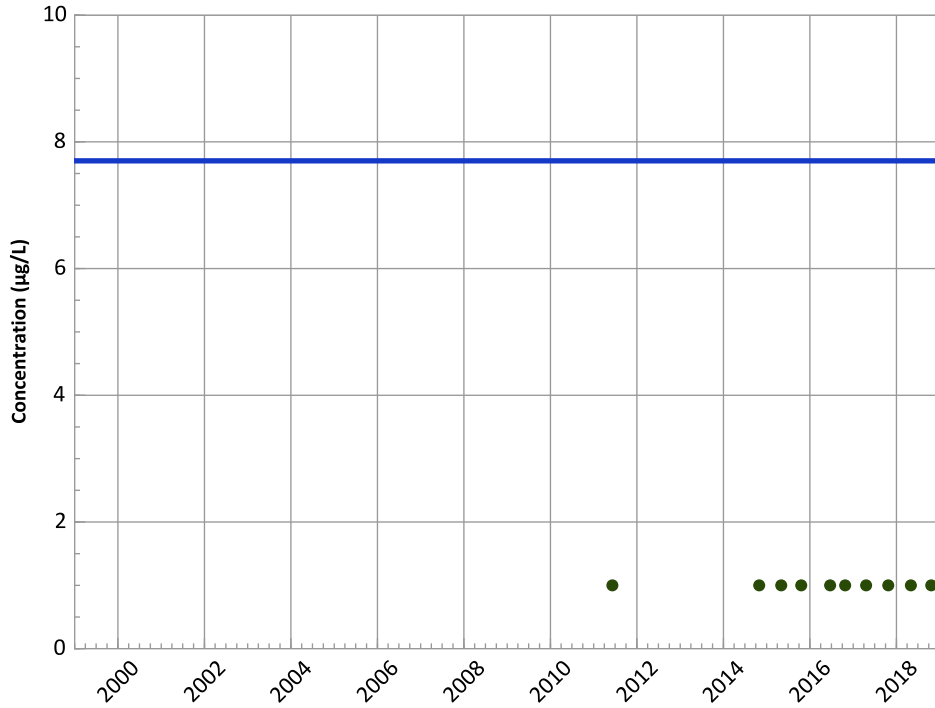
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

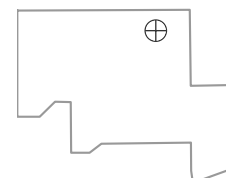
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

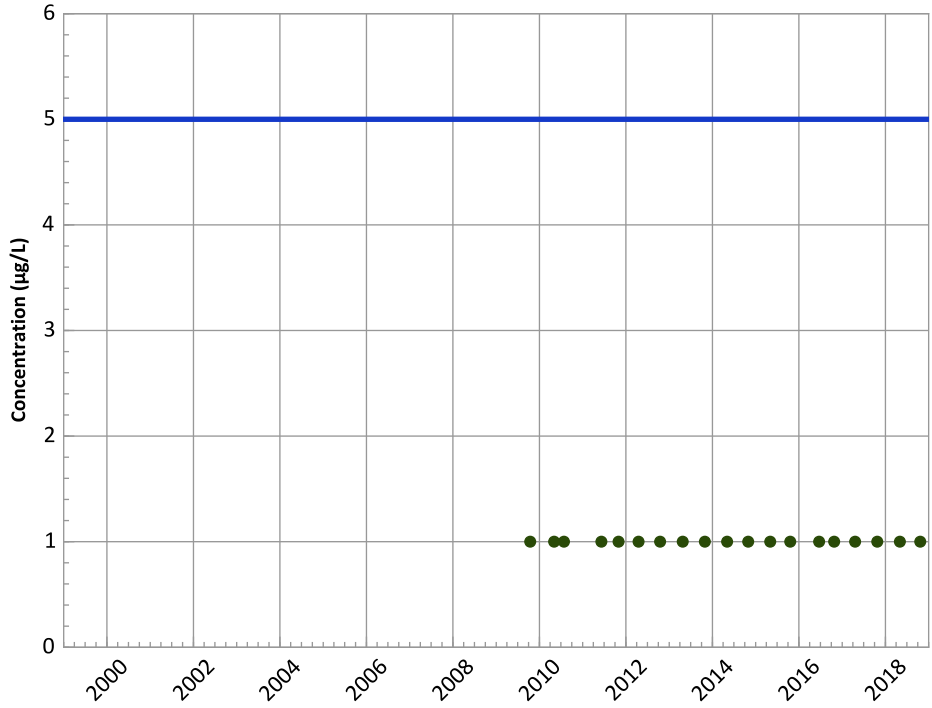
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

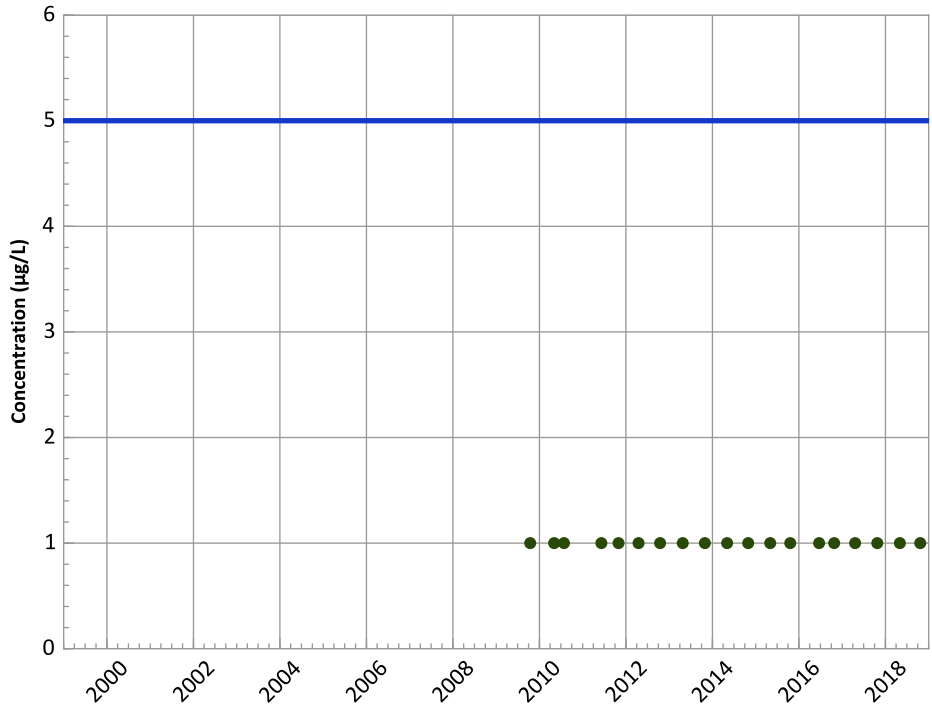
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

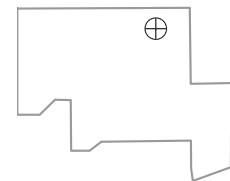
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

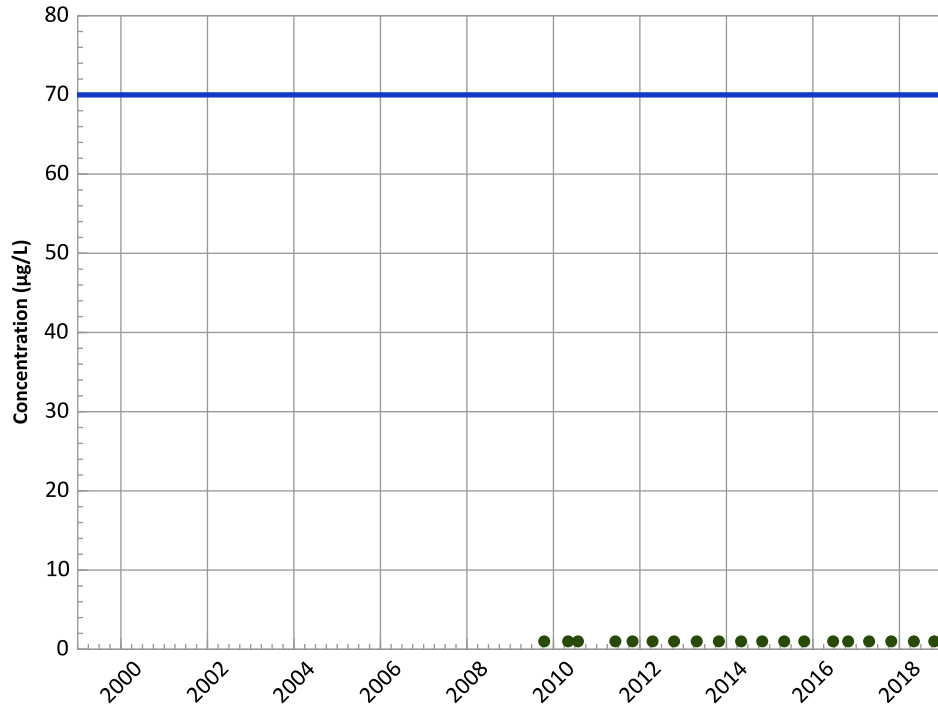


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

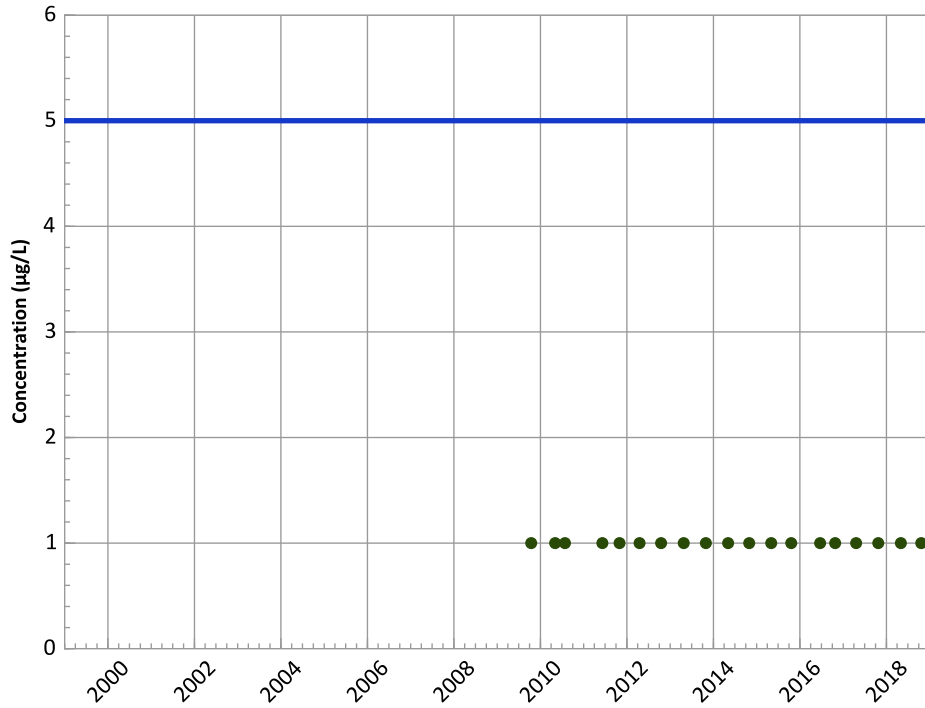
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

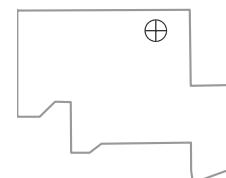
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

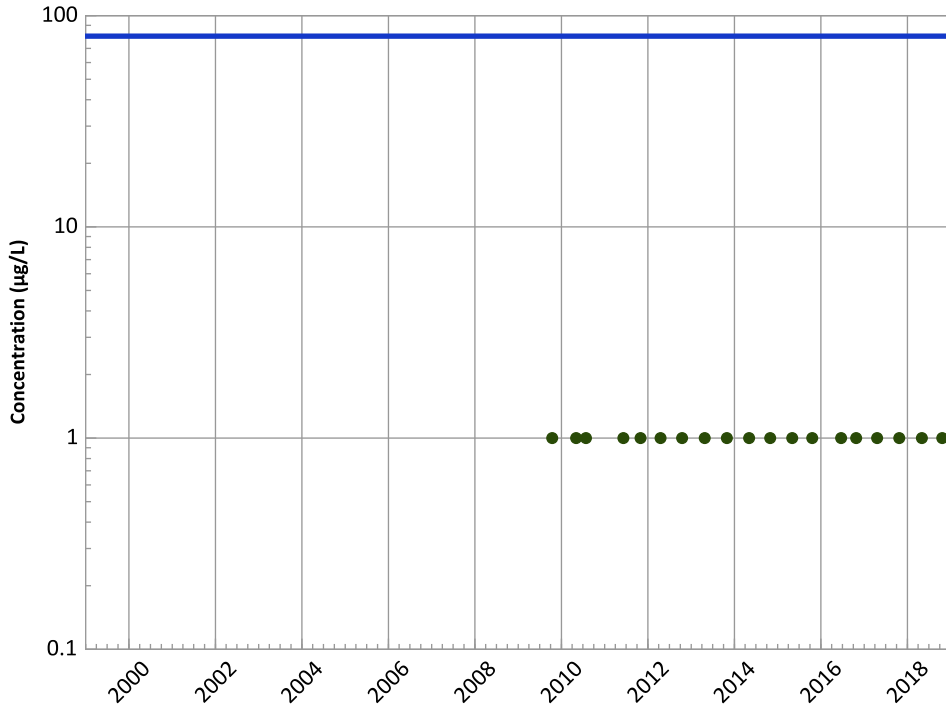
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

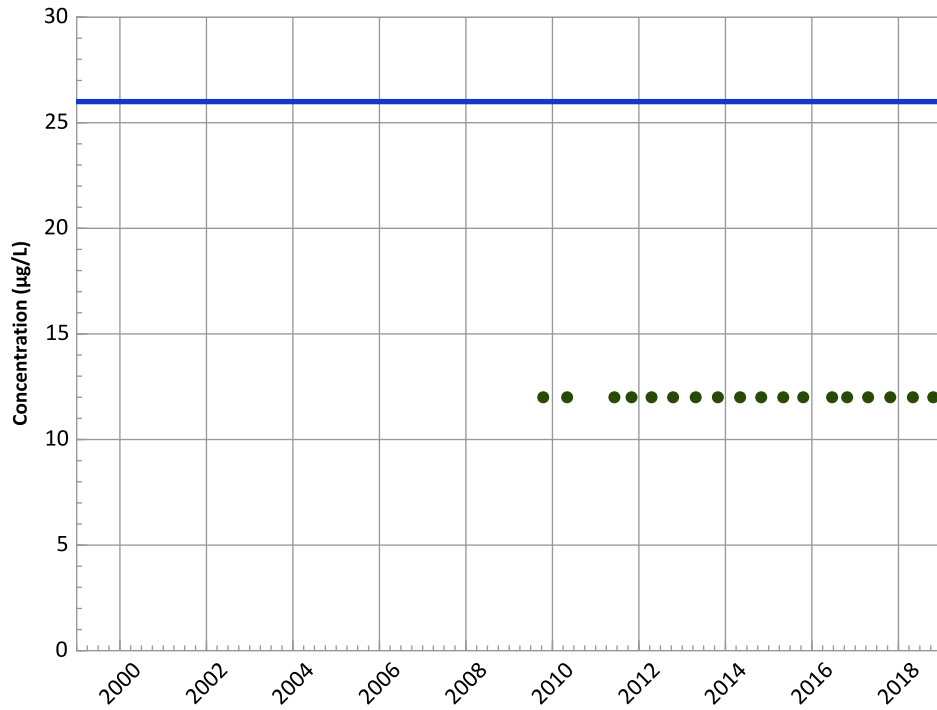


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend

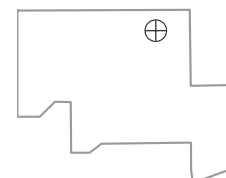


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

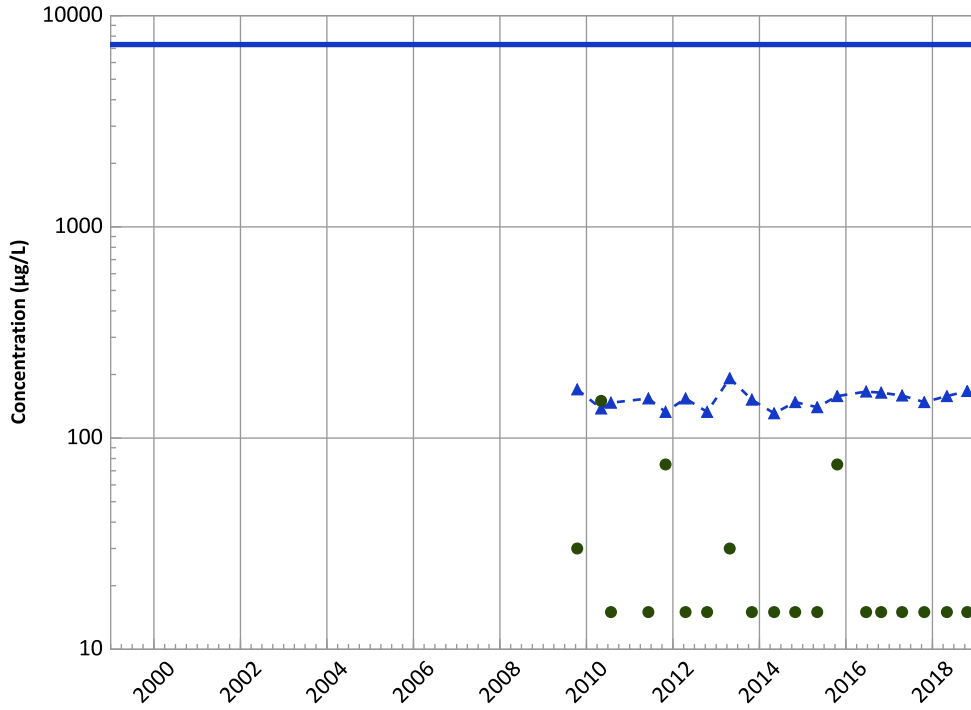


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - - - Concentration Trend
- Groundwater Protection Standard

PTX06-1143 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

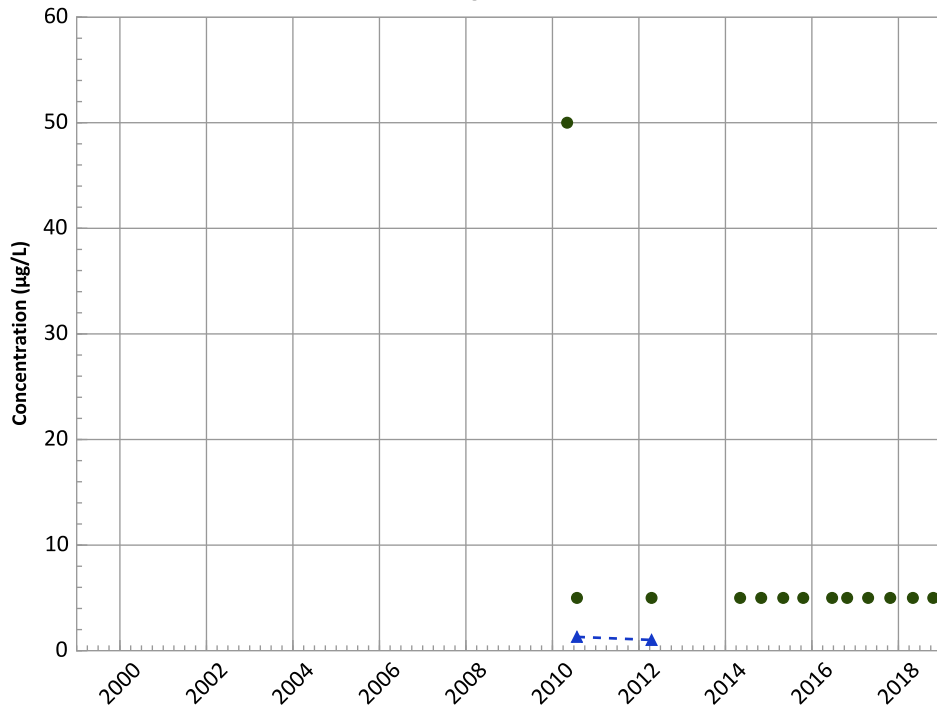
Data (2017 - 2021):

No Trend

All Data:

No Trend

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

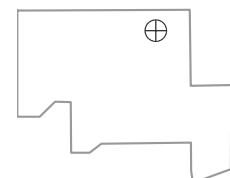
Data (2017 - 2021):

N/A (<4 Detections in Dataset)

All Data:

N/A (<4 Detections in Dataset)

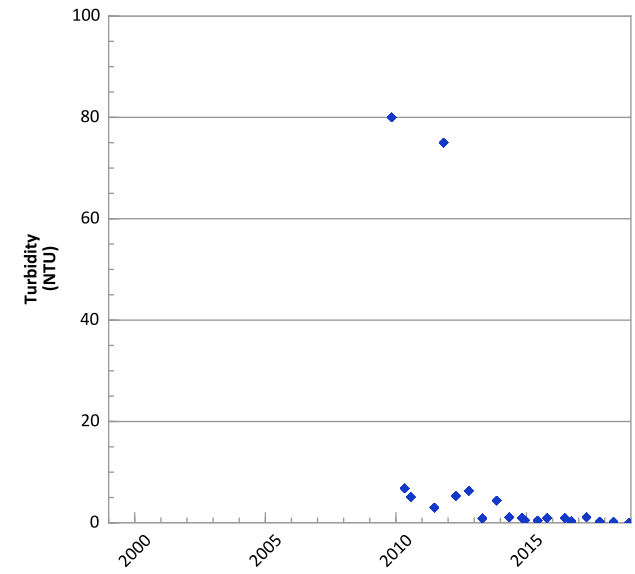
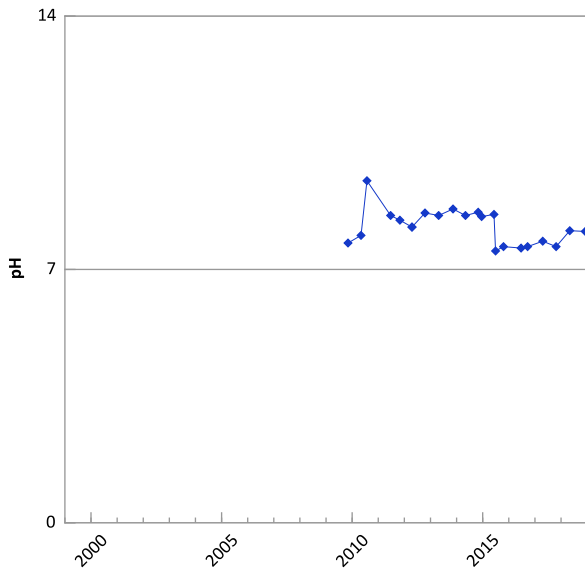
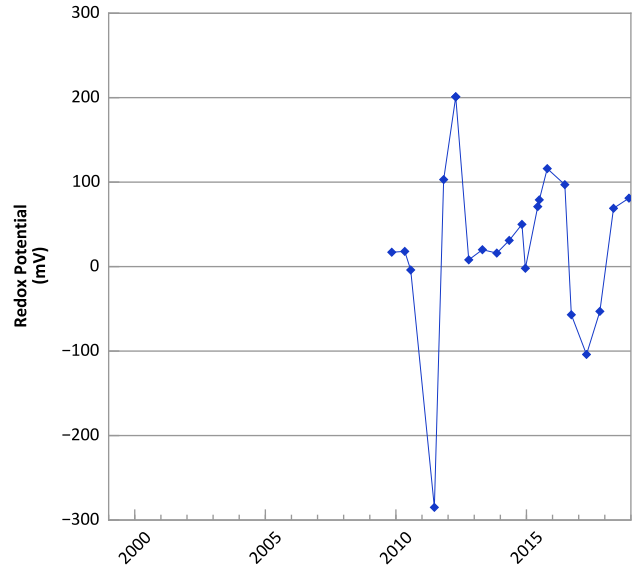
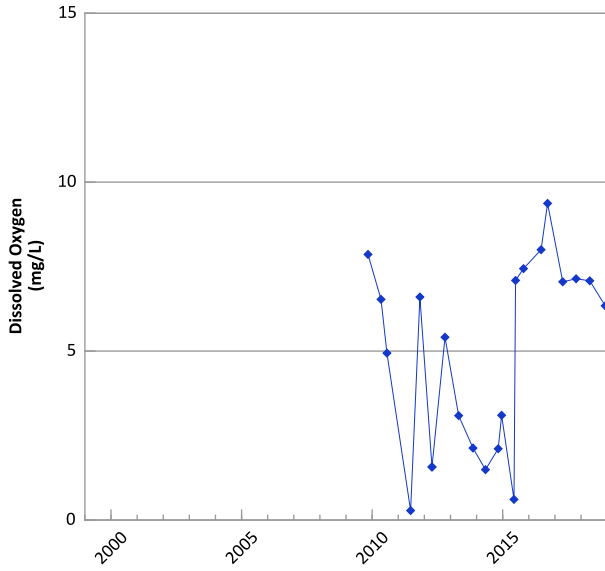
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 10/15/2009 to 10/22/2018
Analysis Date: 02/14/2019

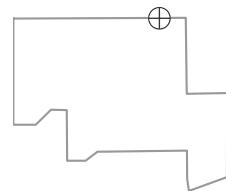
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



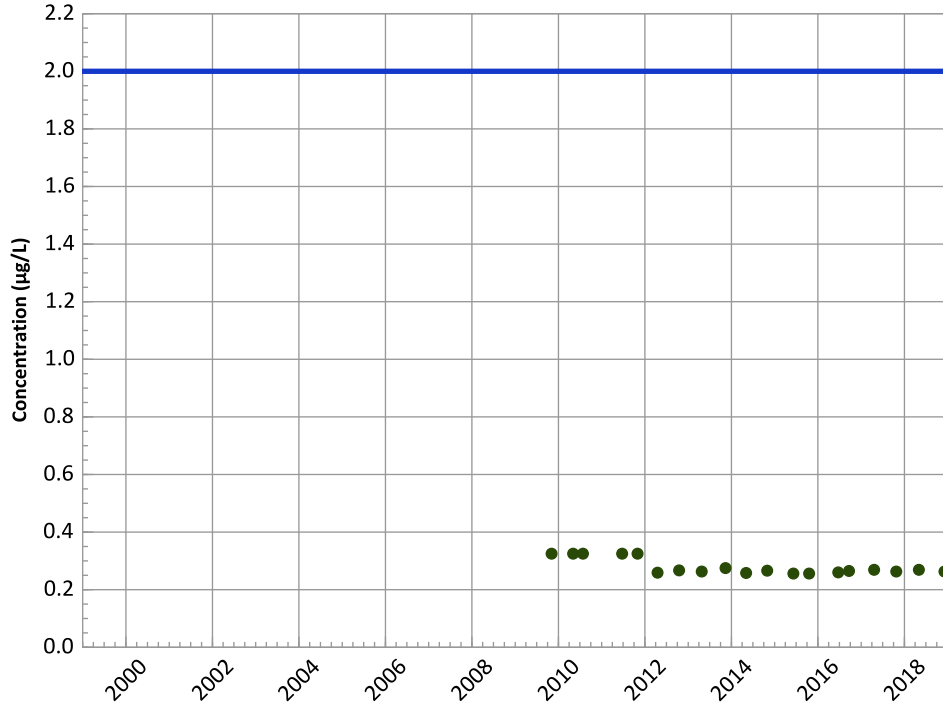
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 11/04/2009 to 12/05/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

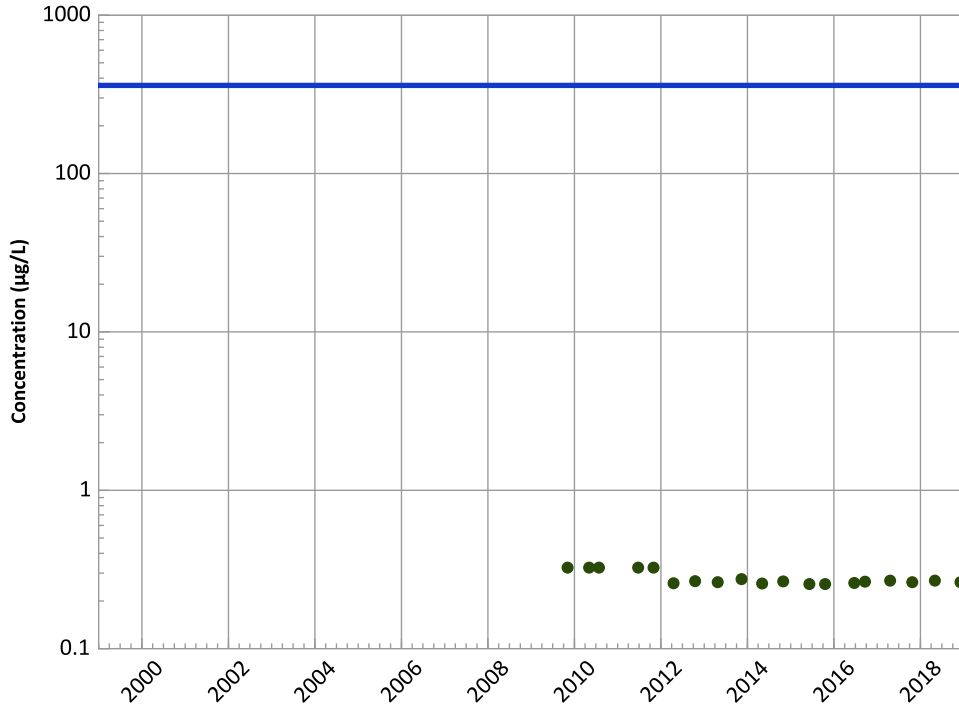
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

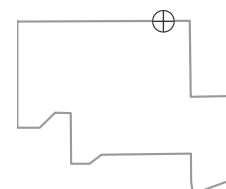
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

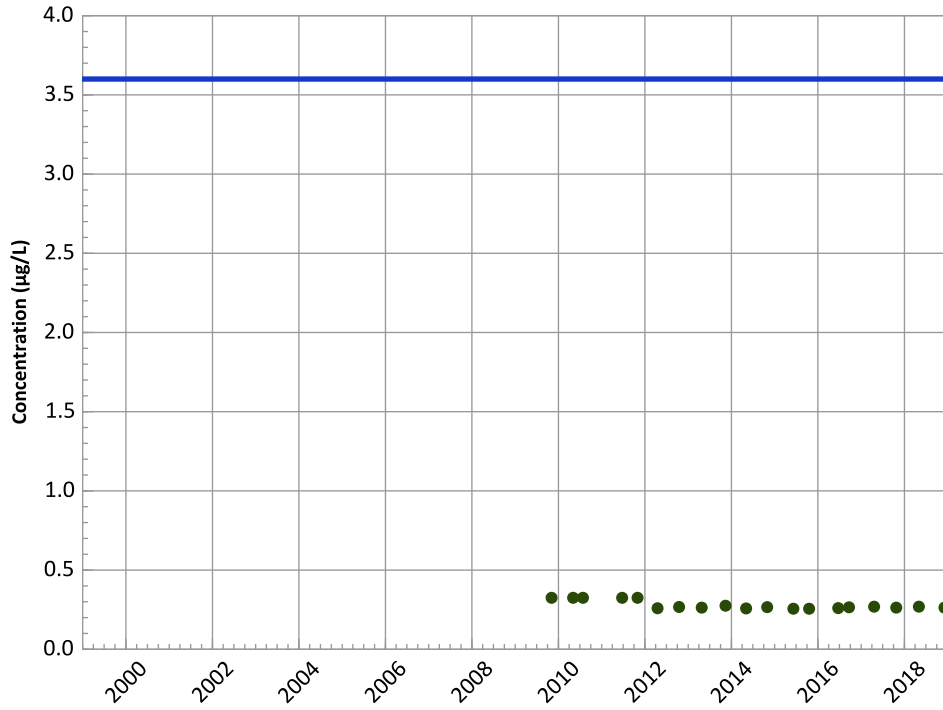


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

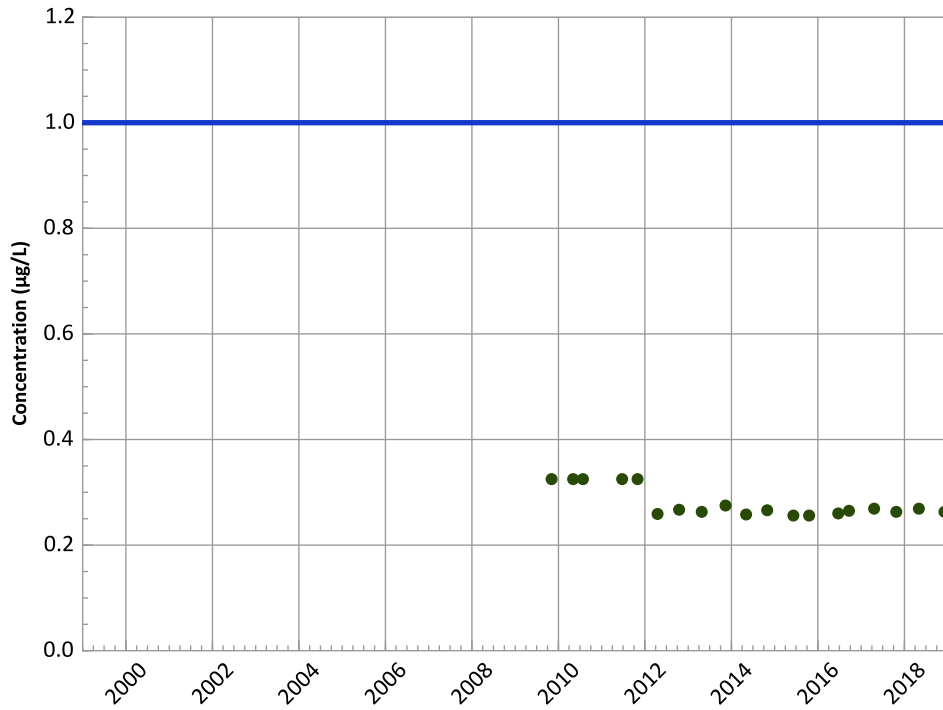
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

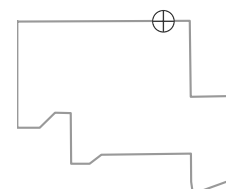
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

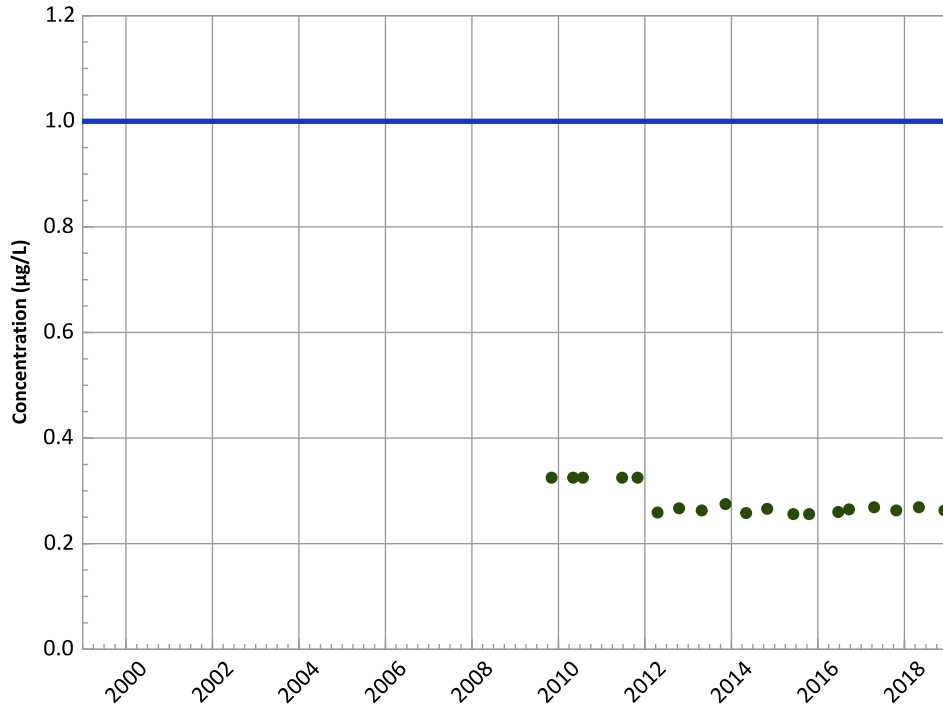


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

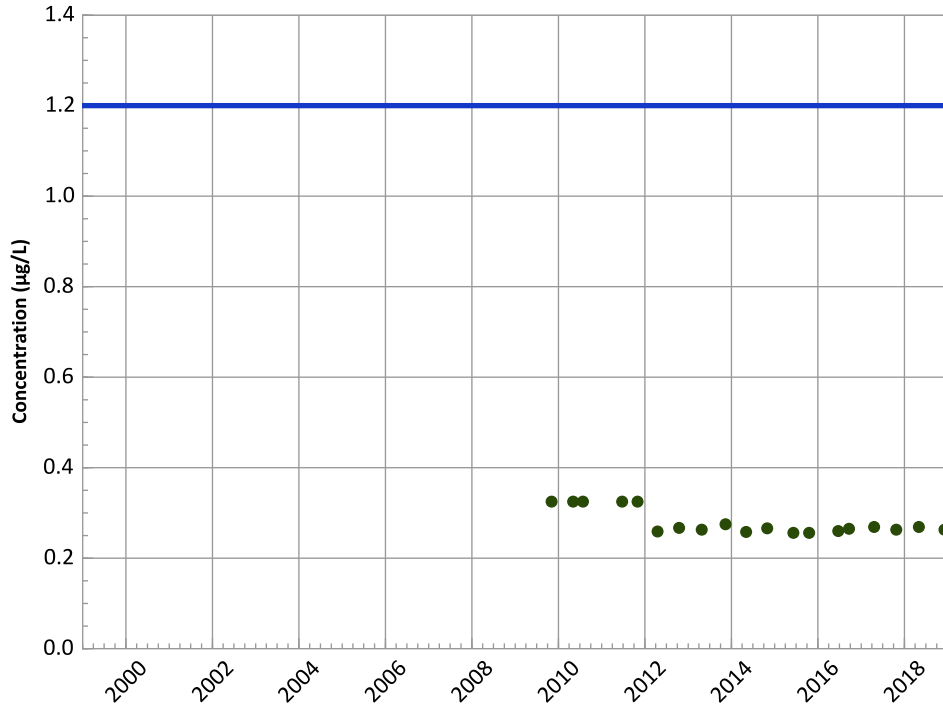
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

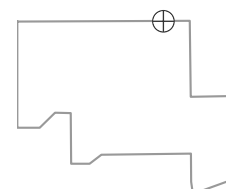
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

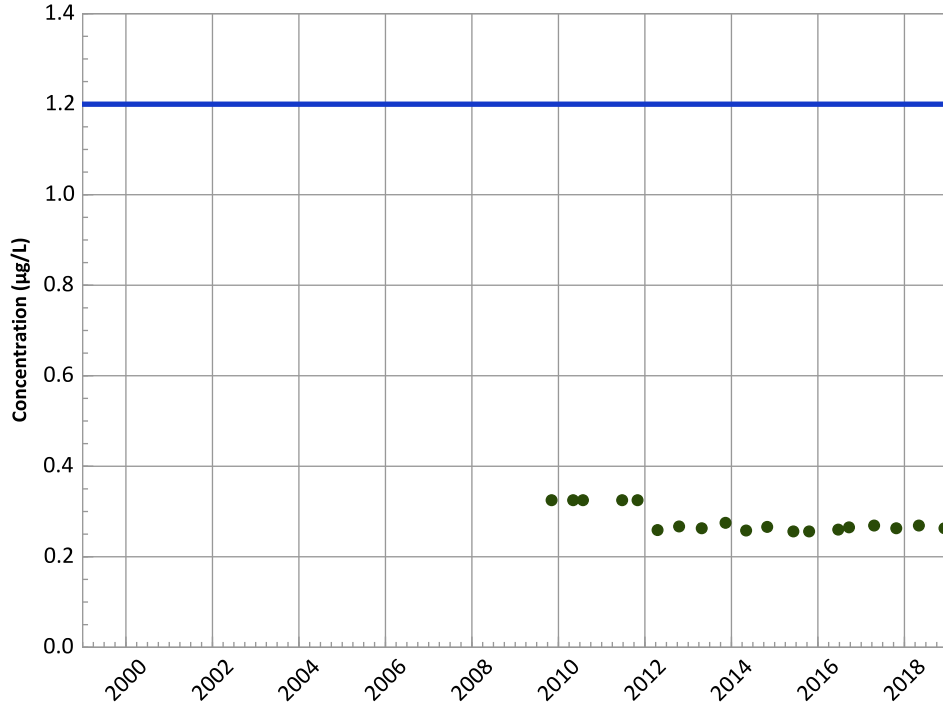


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

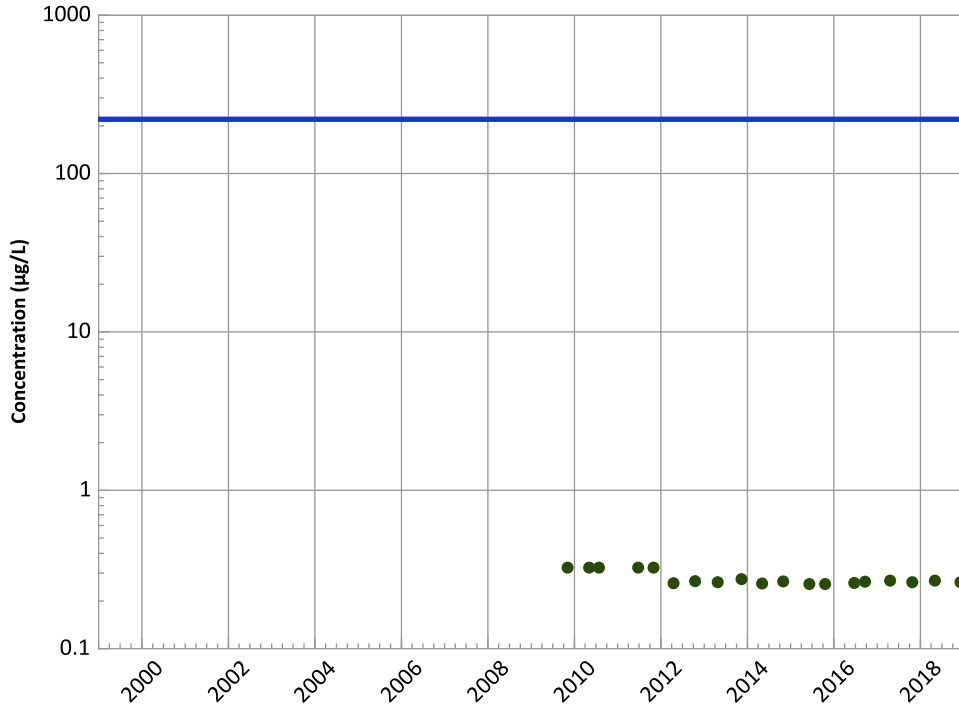
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

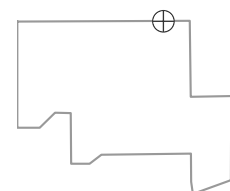
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

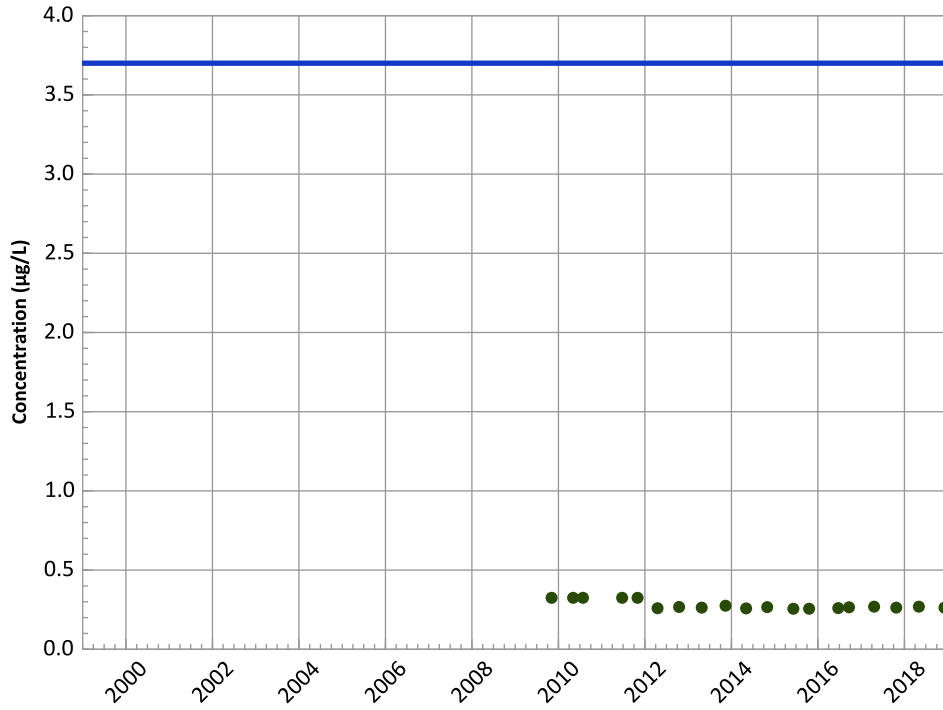


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

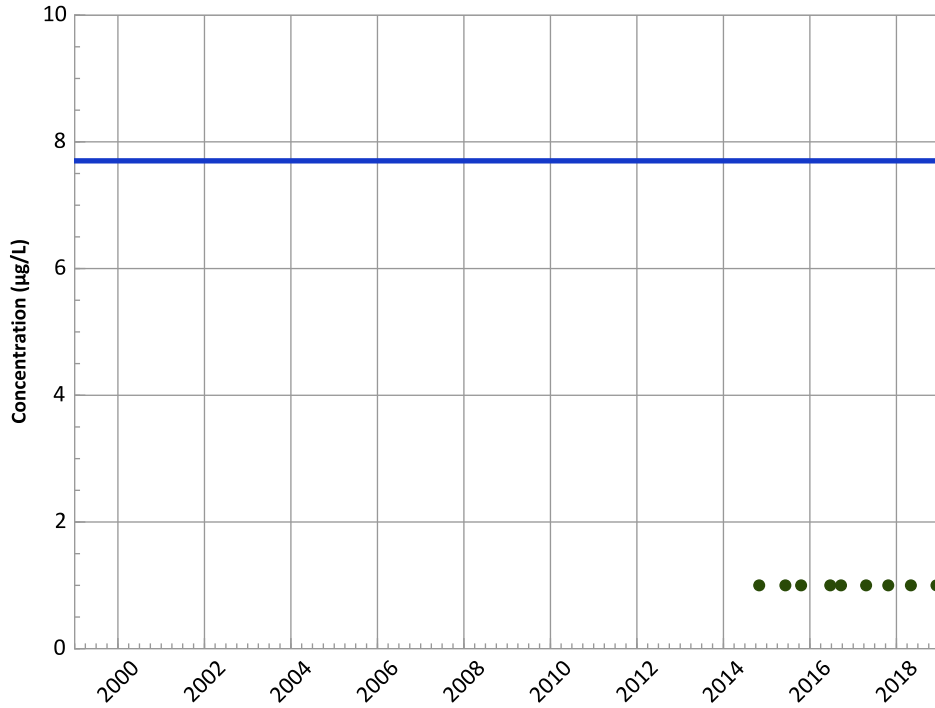
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

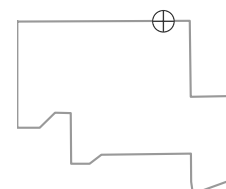
All Data:

All Non-Detect

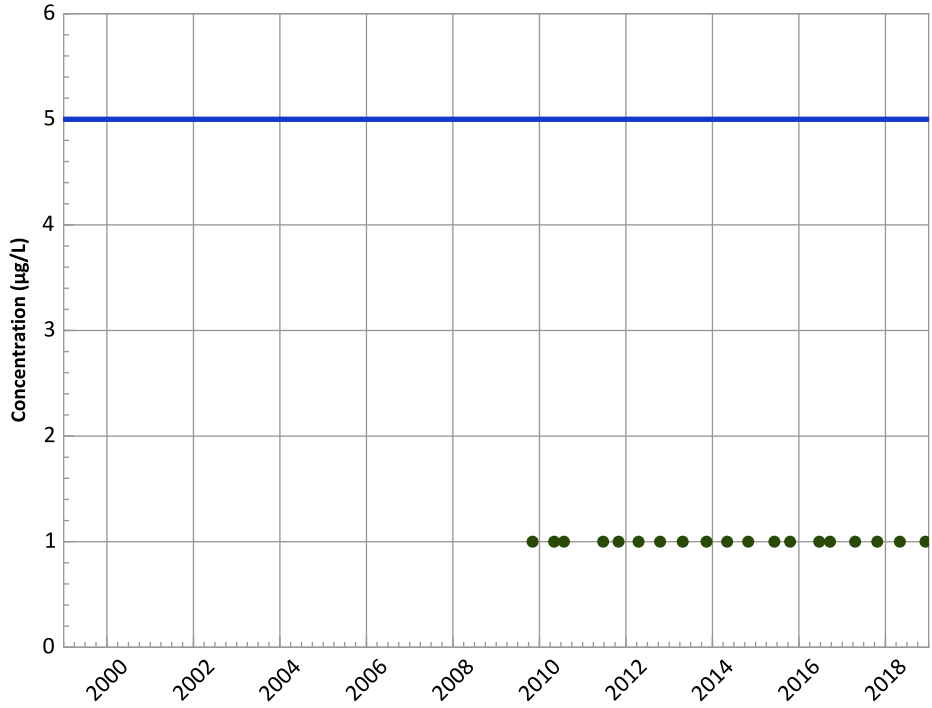
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

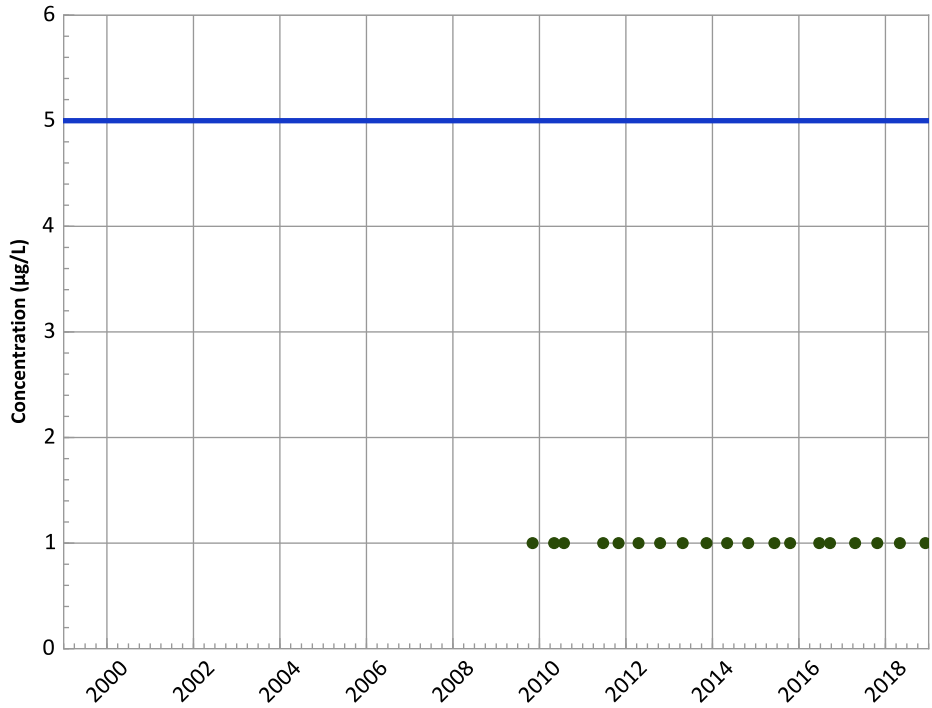
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

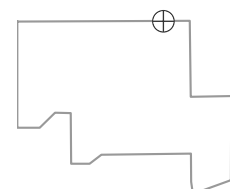
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

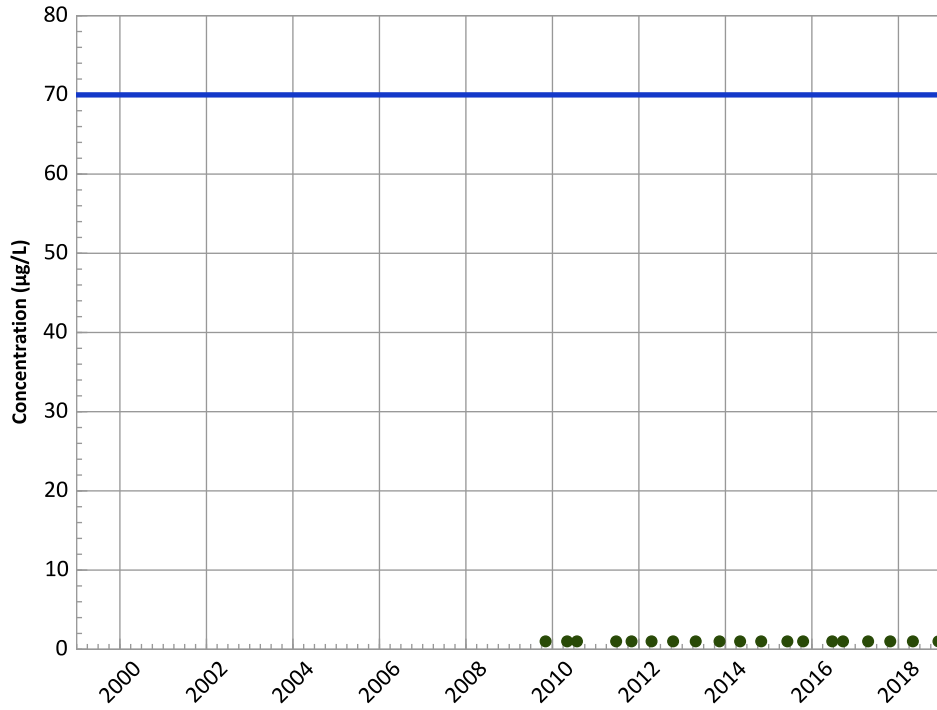
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**
cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

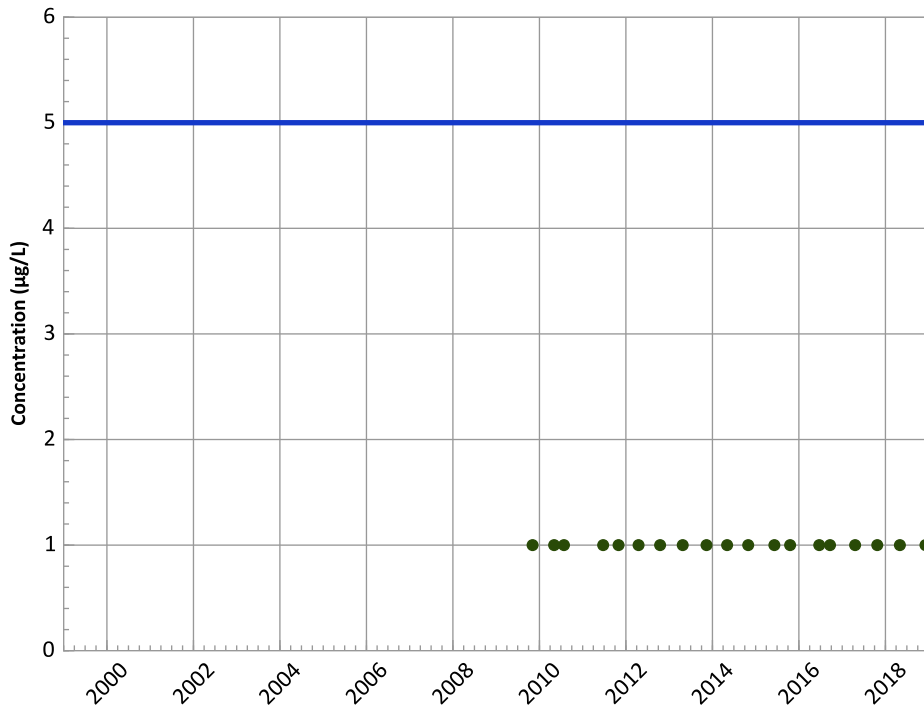
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

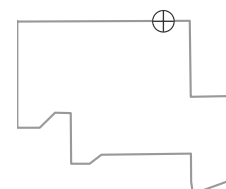
All Data:

All Non-Detect

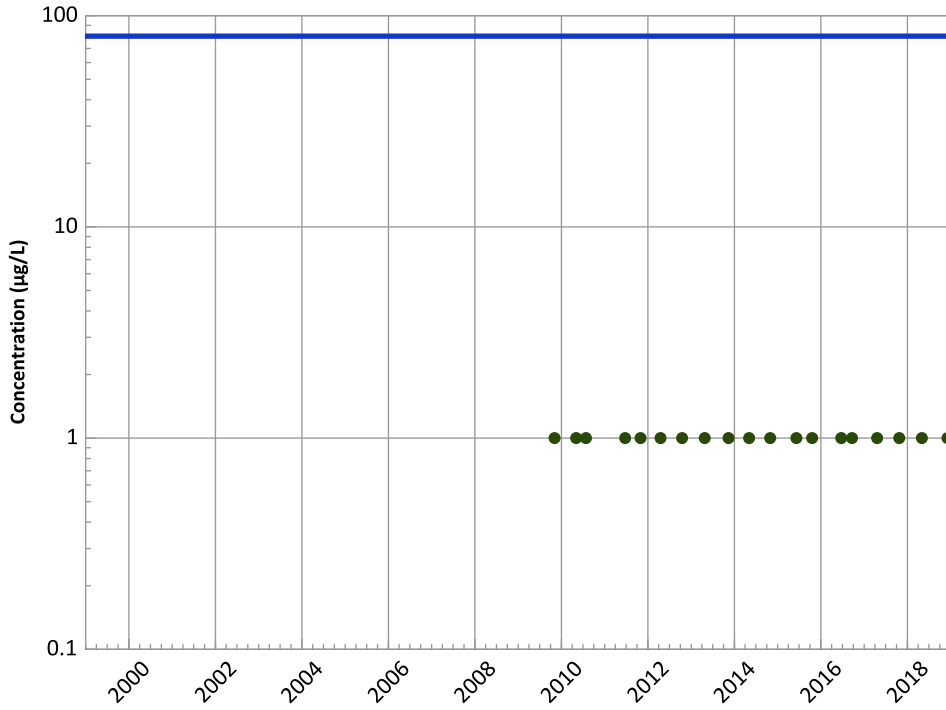
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Chloroform Trend**

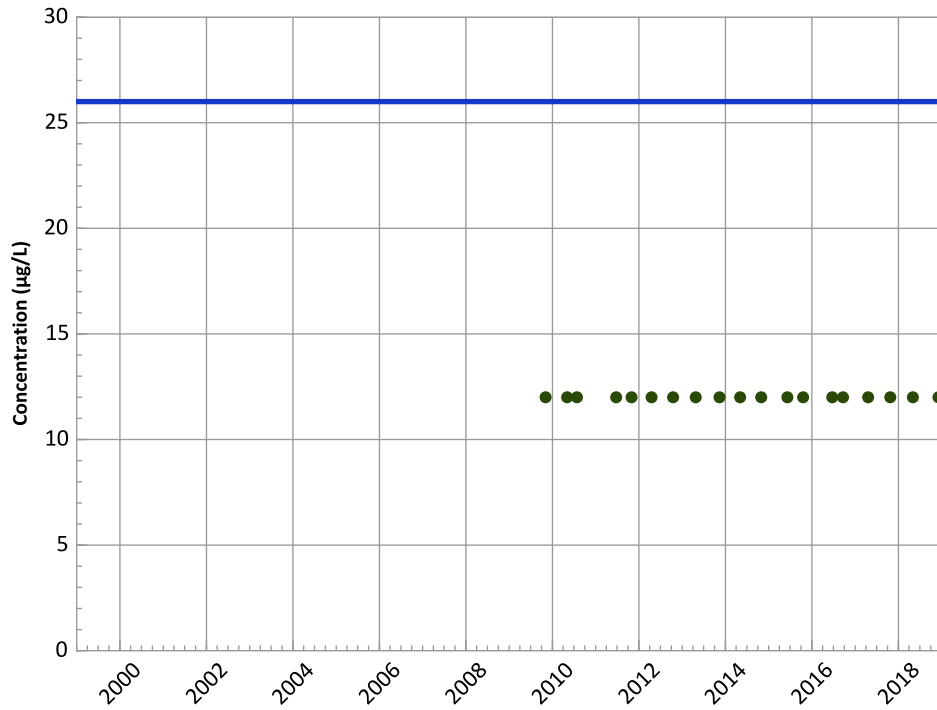


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Perchlorate Trend



Concentration Trend

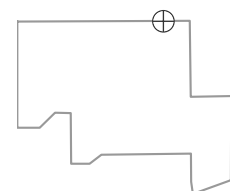
MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

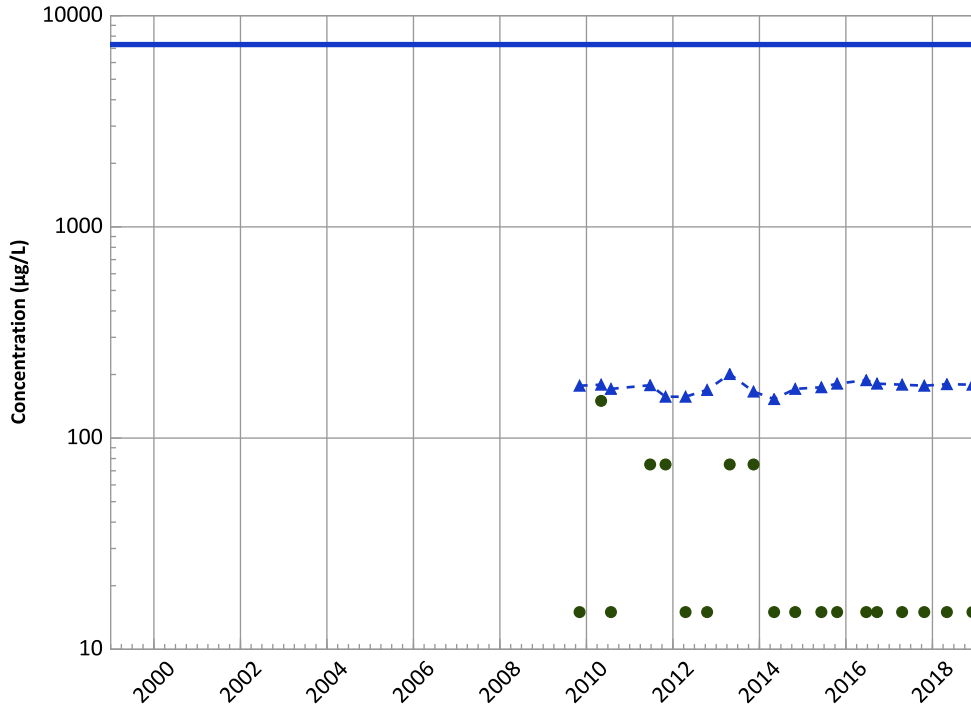
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

Probably Increasing

MAROS Linear Regression Method

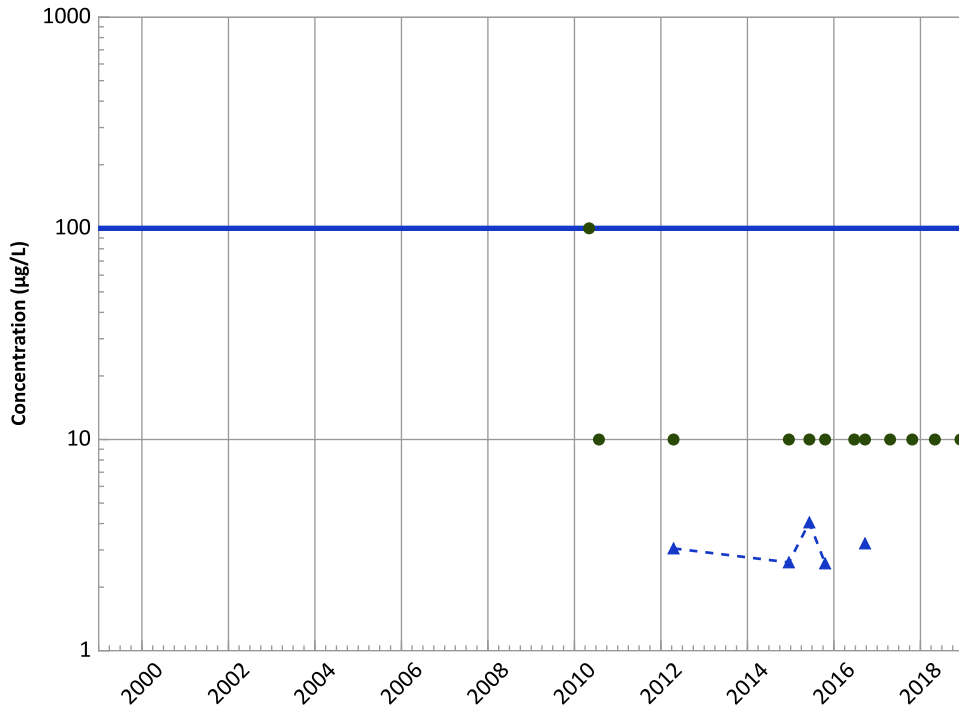
Data (2017 - 2021):

No Trend

All Data:

No Trend

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

No Trend

MAROS Linear Regression Method

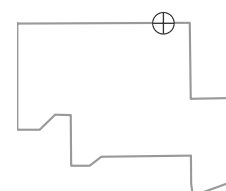
Data (2017 - 2021):

No Trend

All Data:

No Trend

Well Location

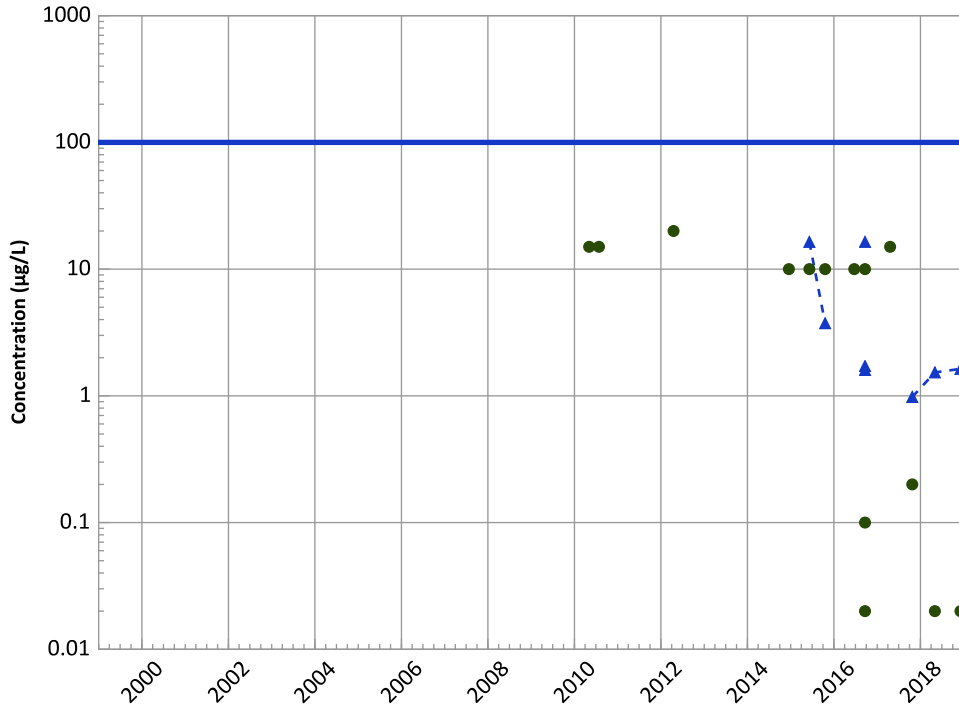


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1144 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

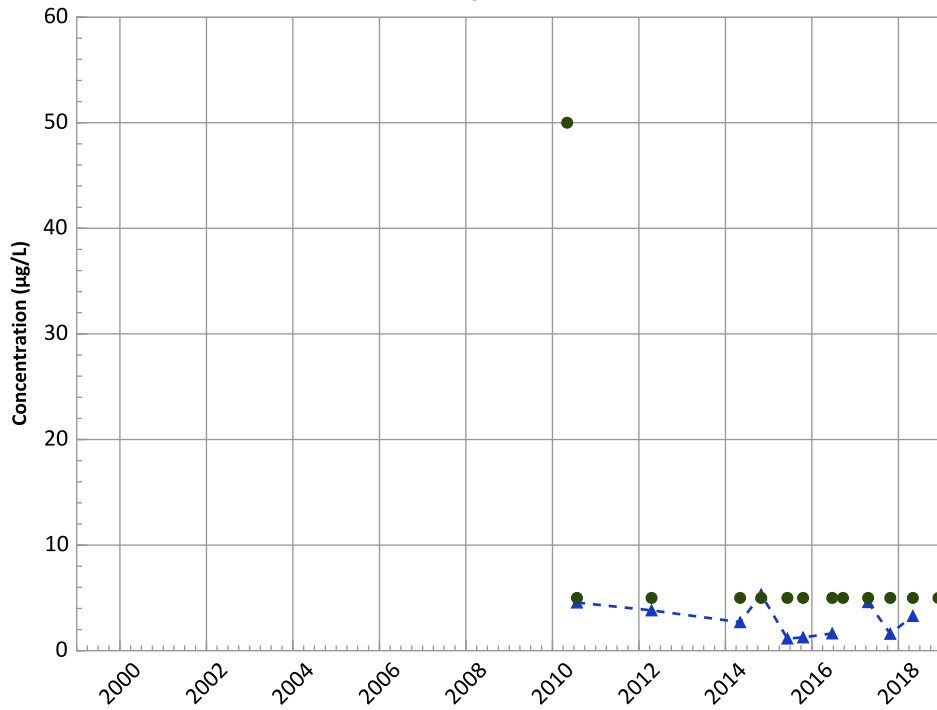


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend

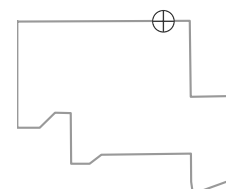


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Decreasing
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
Probably Decreasing
All Data:
Stable

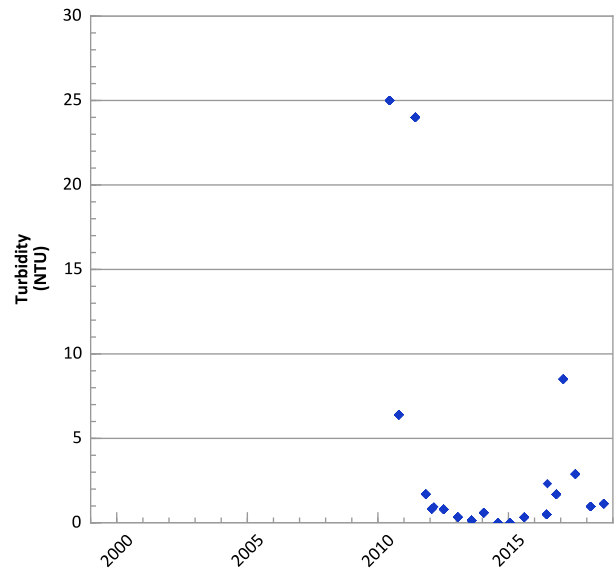
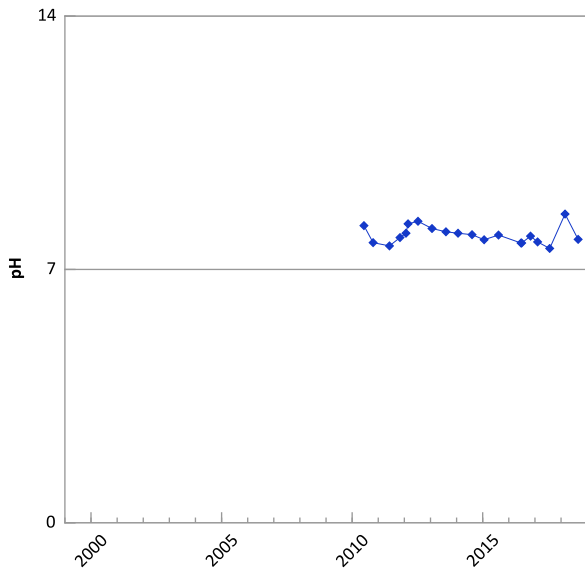
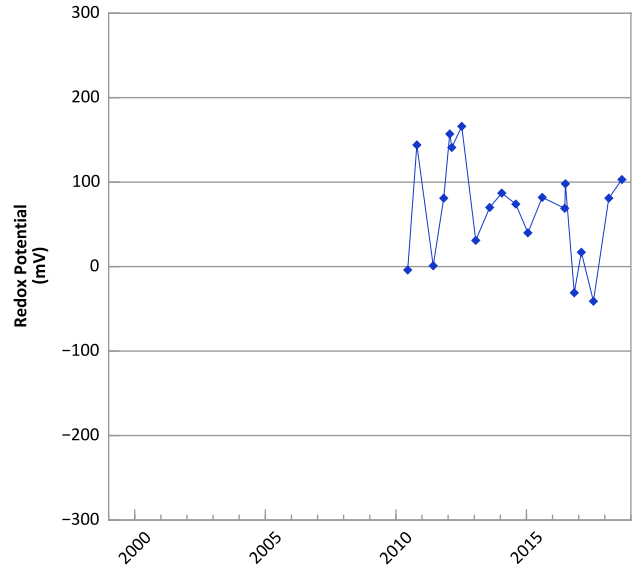
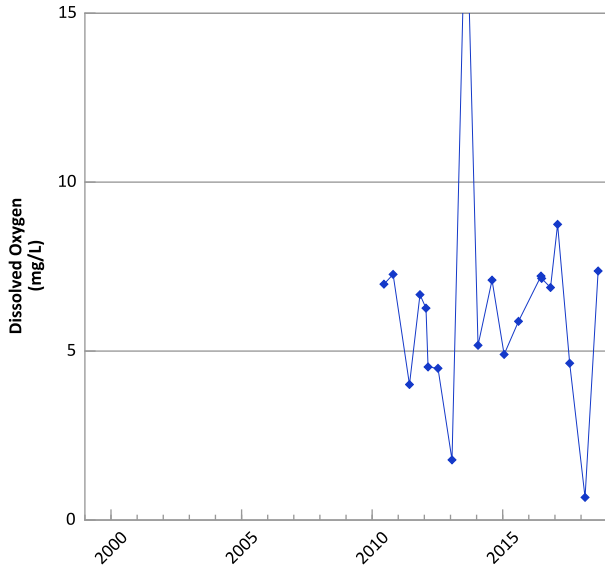
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 11/04/2009 to 12/05/2018
Analysis Date: 02/14/2019

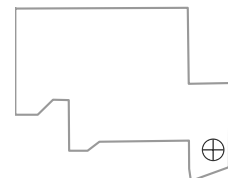
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



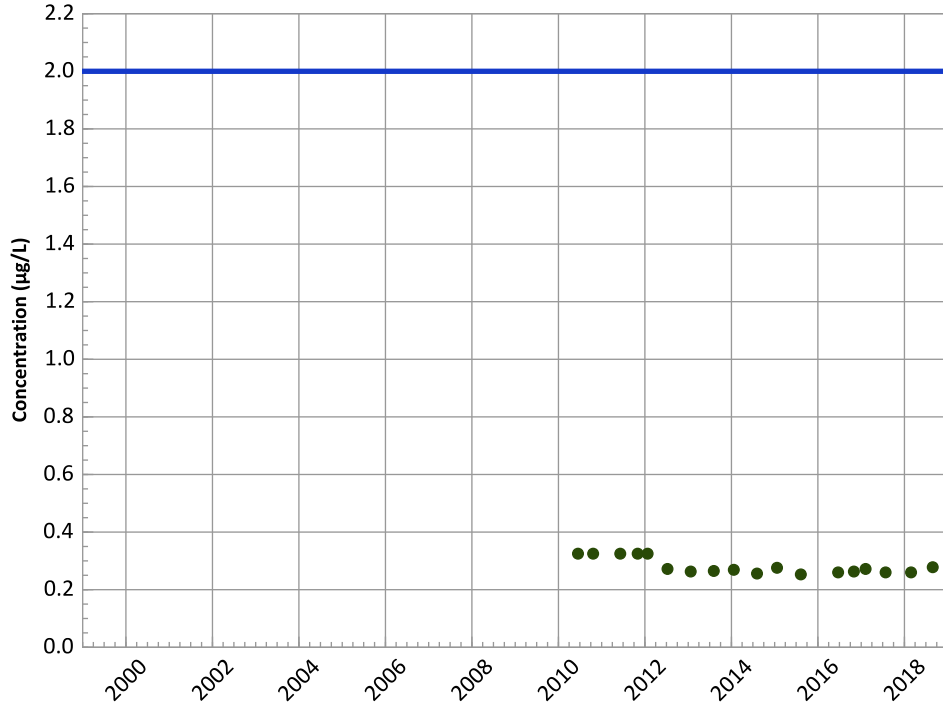
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 06/15/2010 to 08/28/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

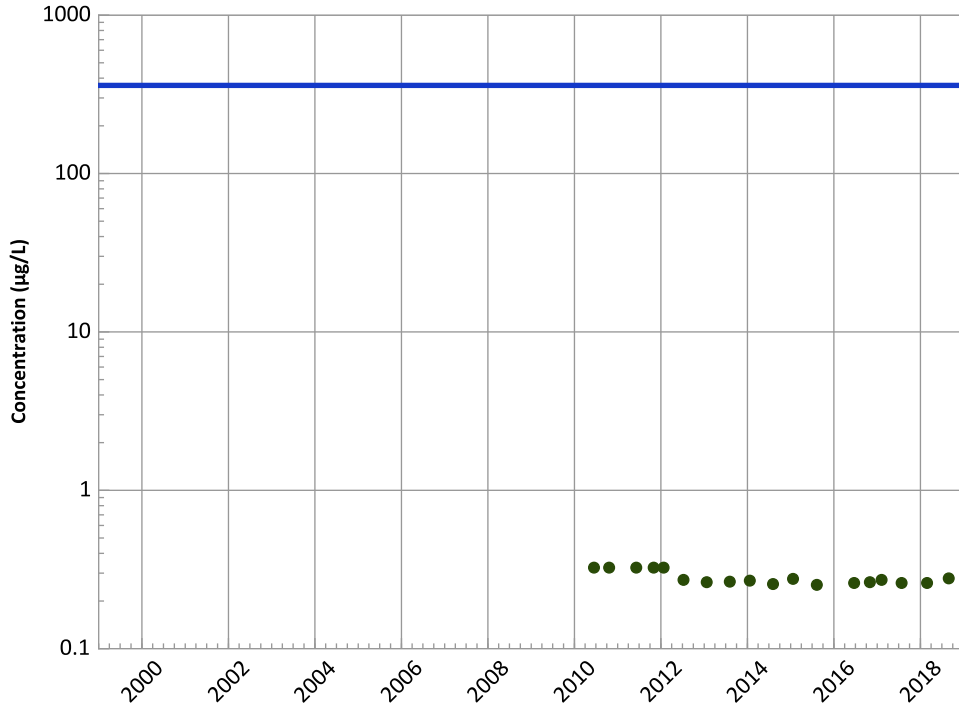
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

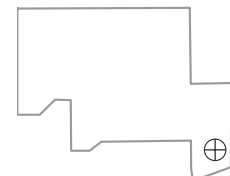
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

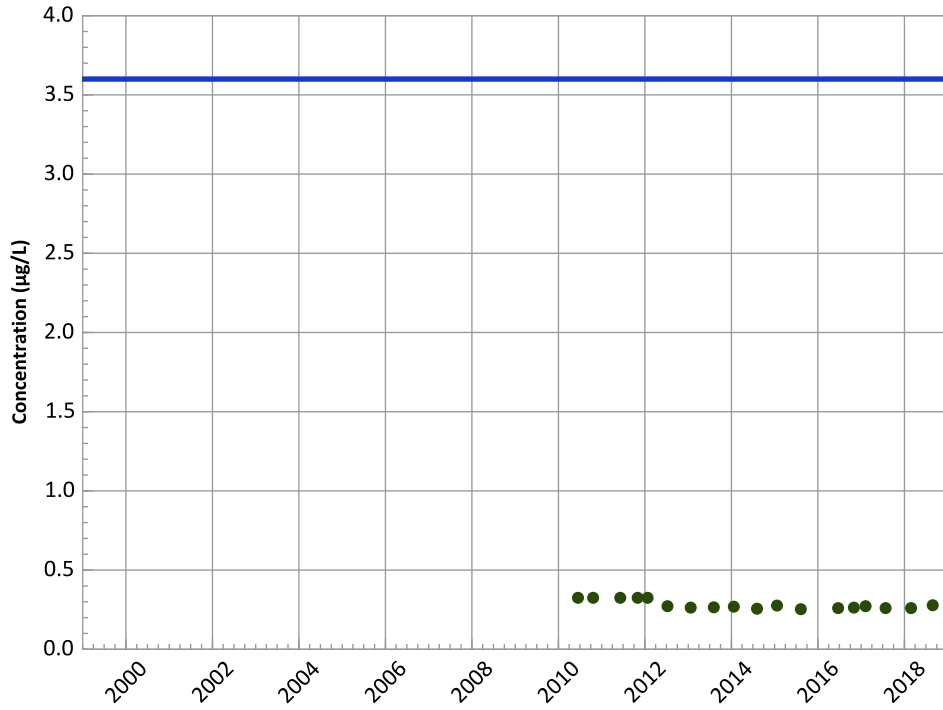
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

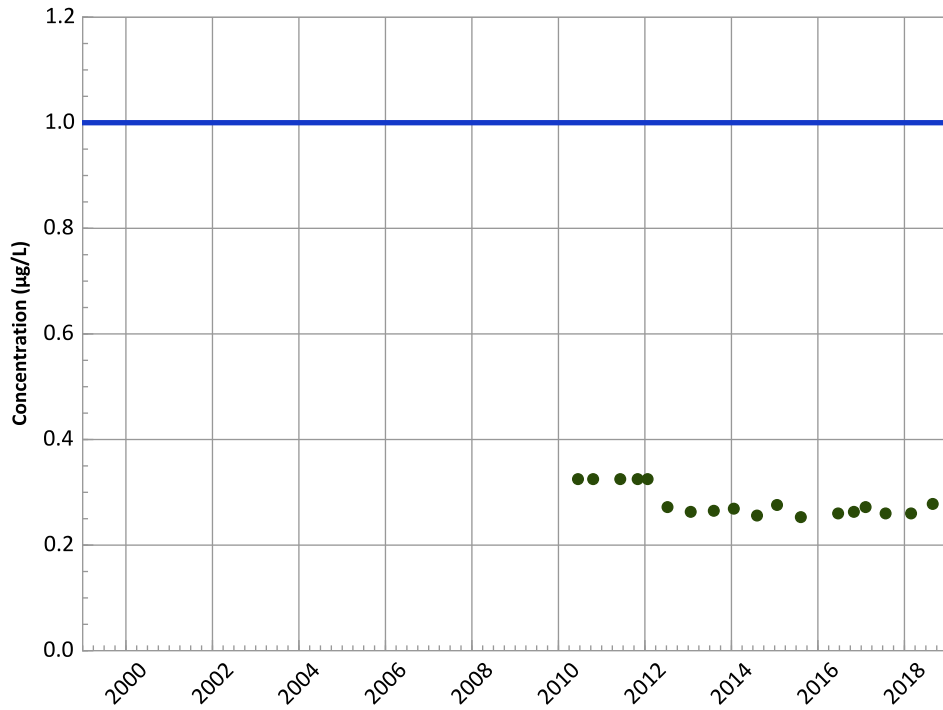
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

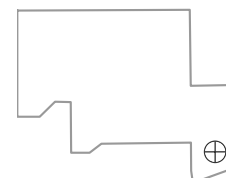
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

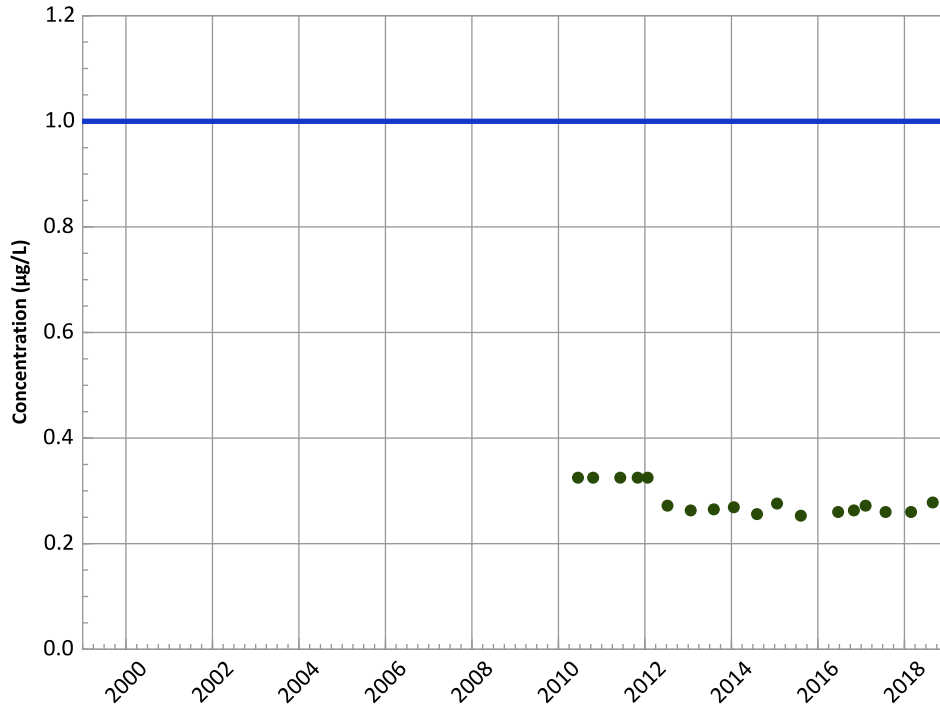


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

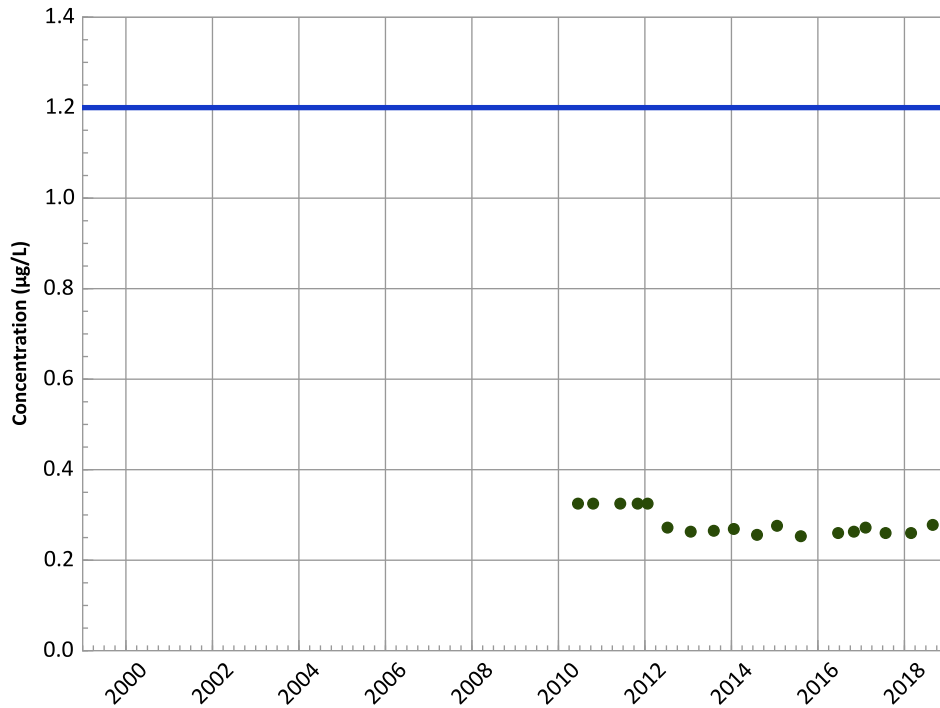
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

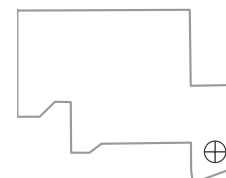
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

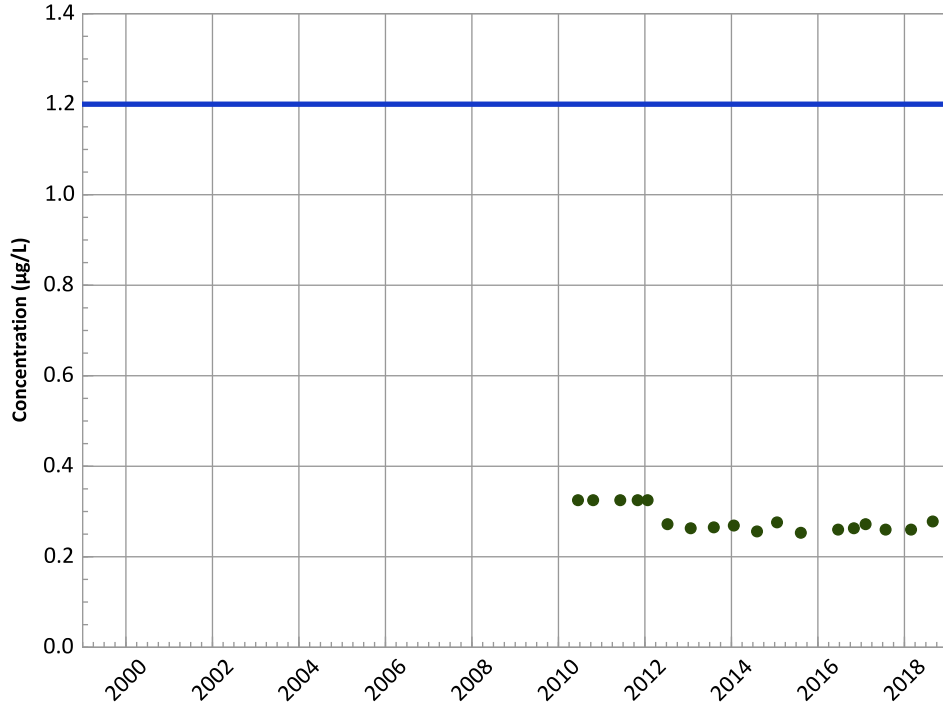


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

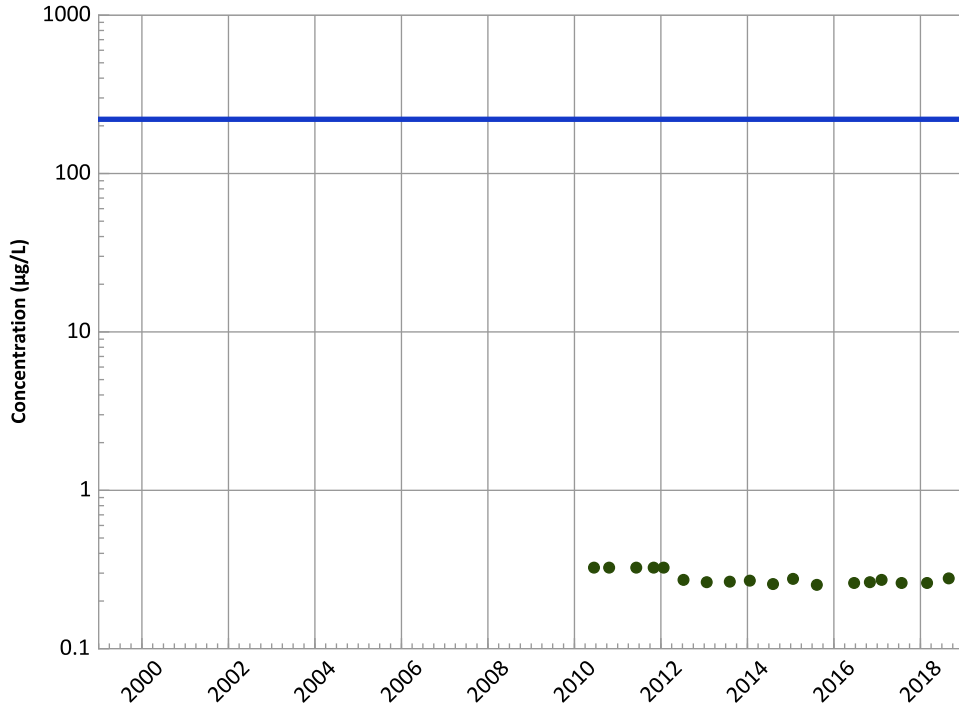
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

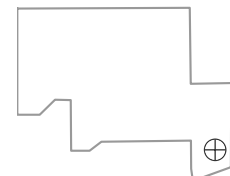
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

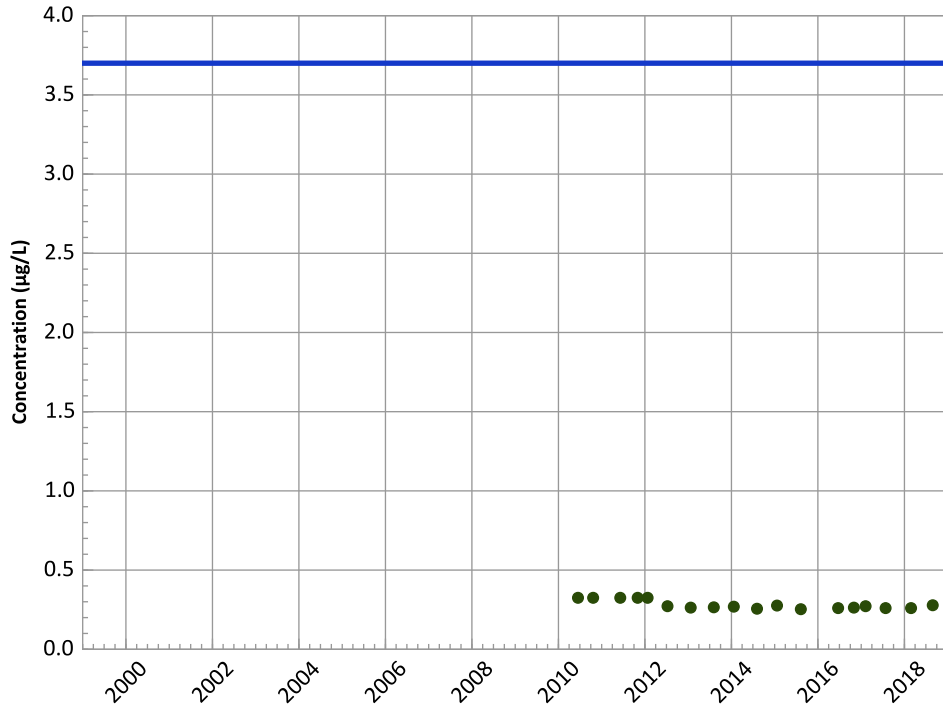


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

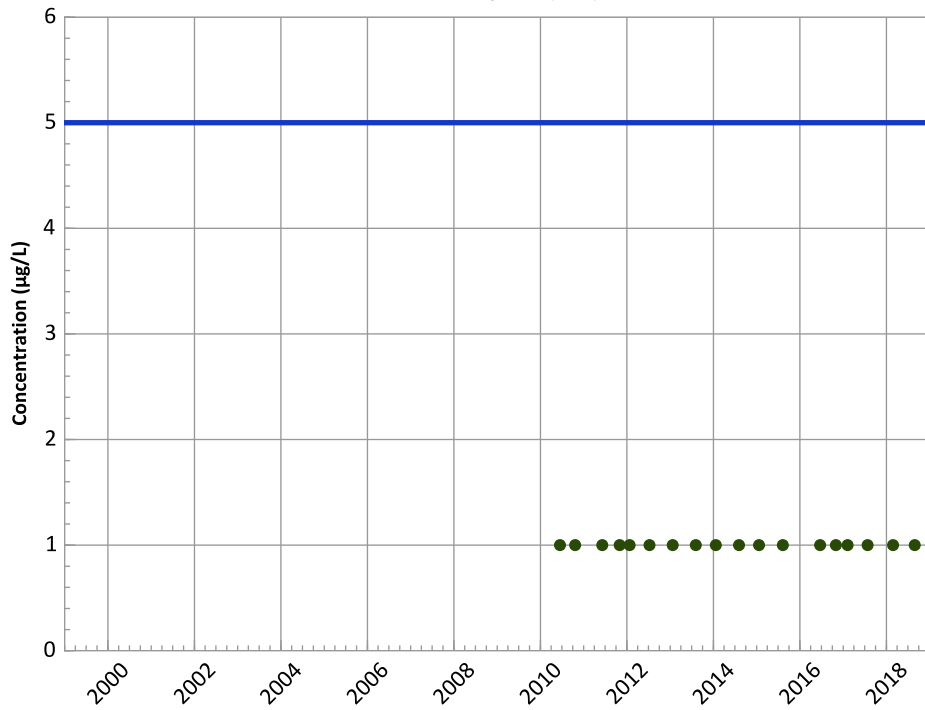
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Tetrachloroethylene (PCE) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

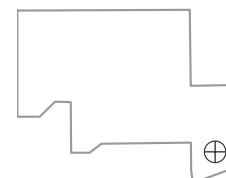
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

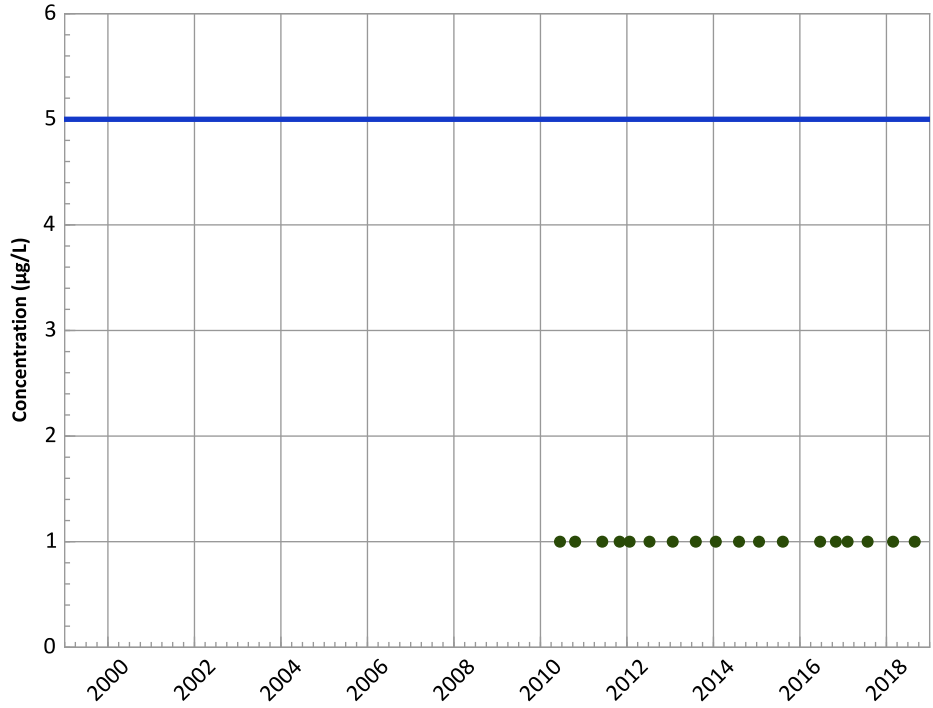


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

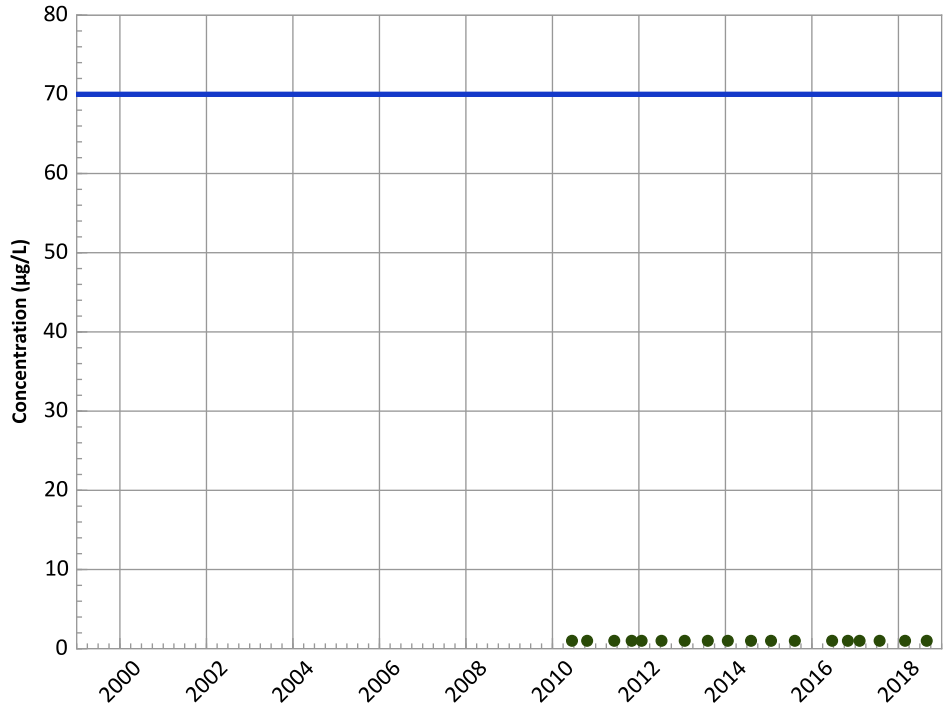
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

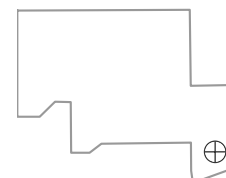
All Data:

All Non-Detect

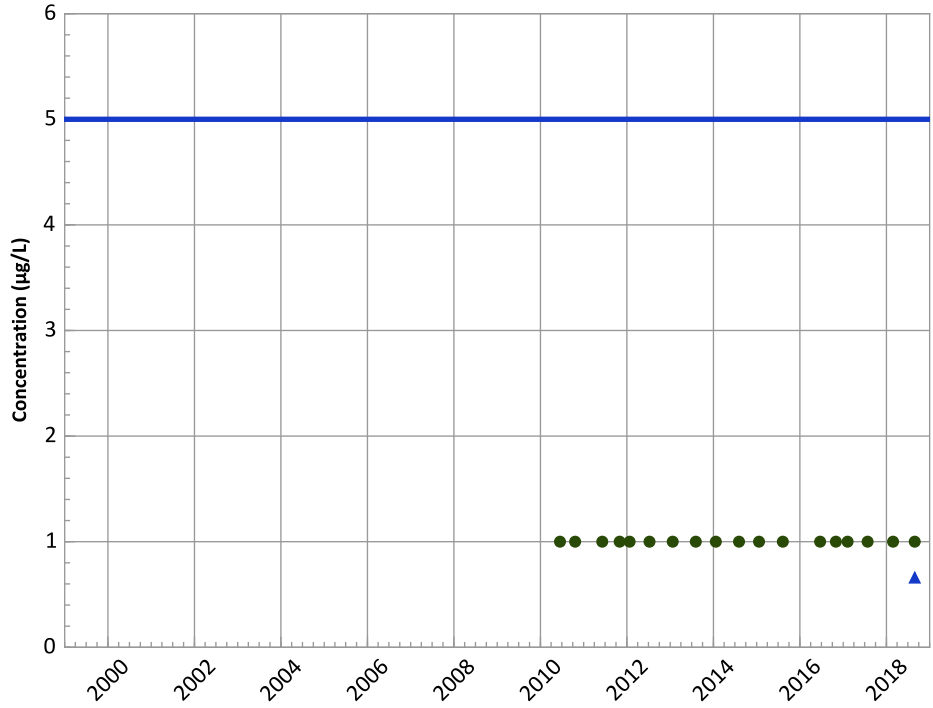
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
1,2-Dichloroethane Trend**

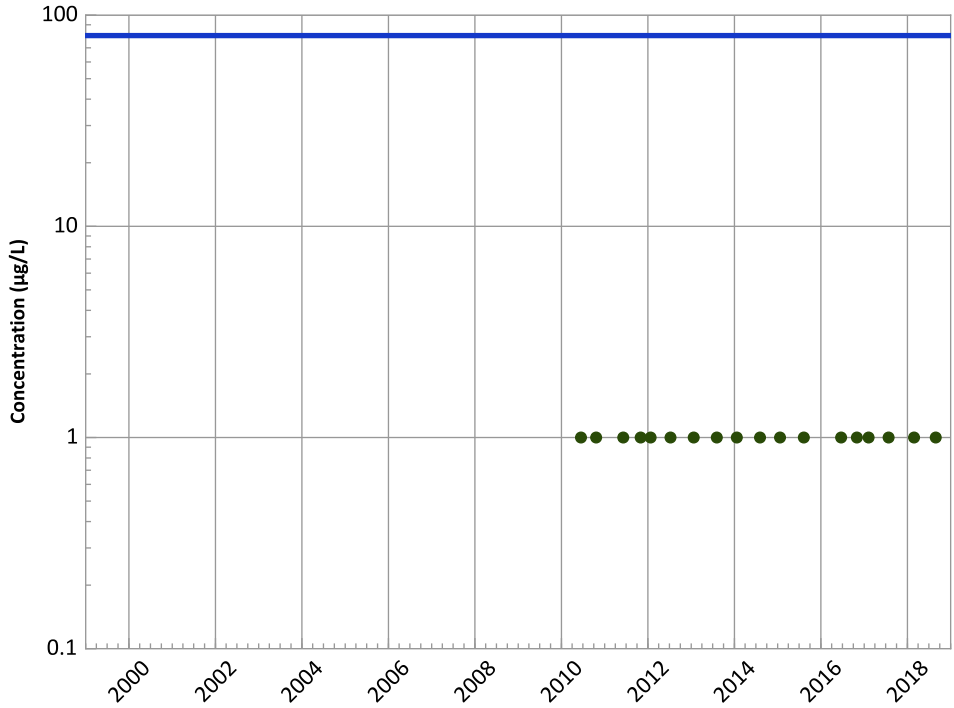


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
N/A (<4 Detections in Dataset)

Chloroform Trend

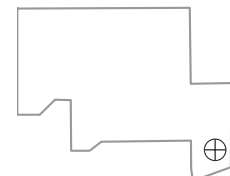


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

MAROS Linear Regression Method
Data (2017 - 2021):
All Non-Detect
All Data:
All Non-Detect

Well Location

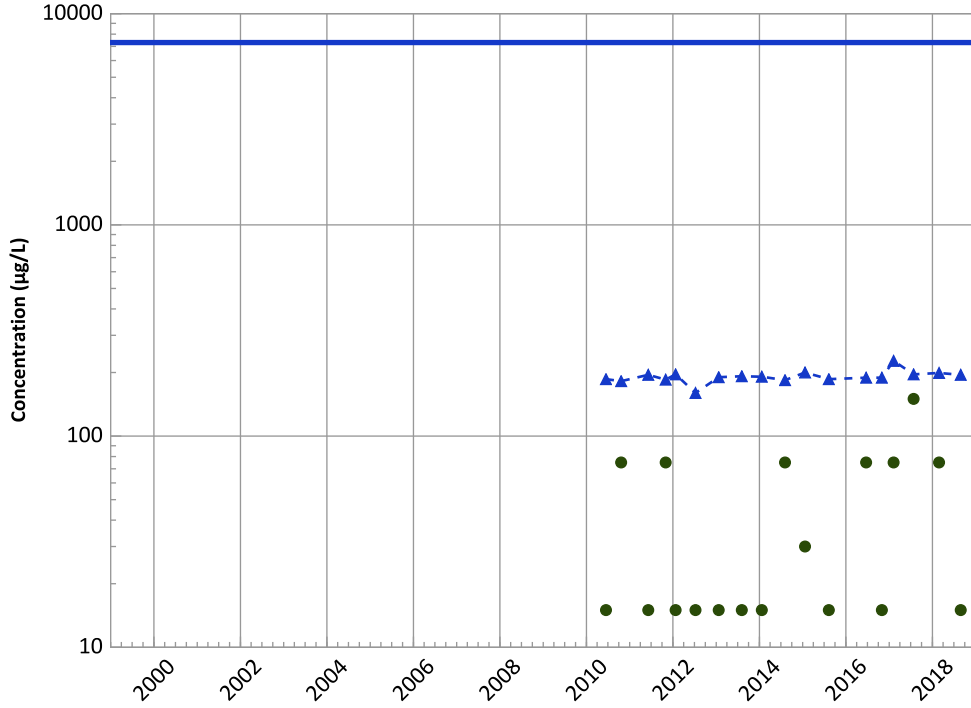


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Increasing

MAROS Linear Regression Method

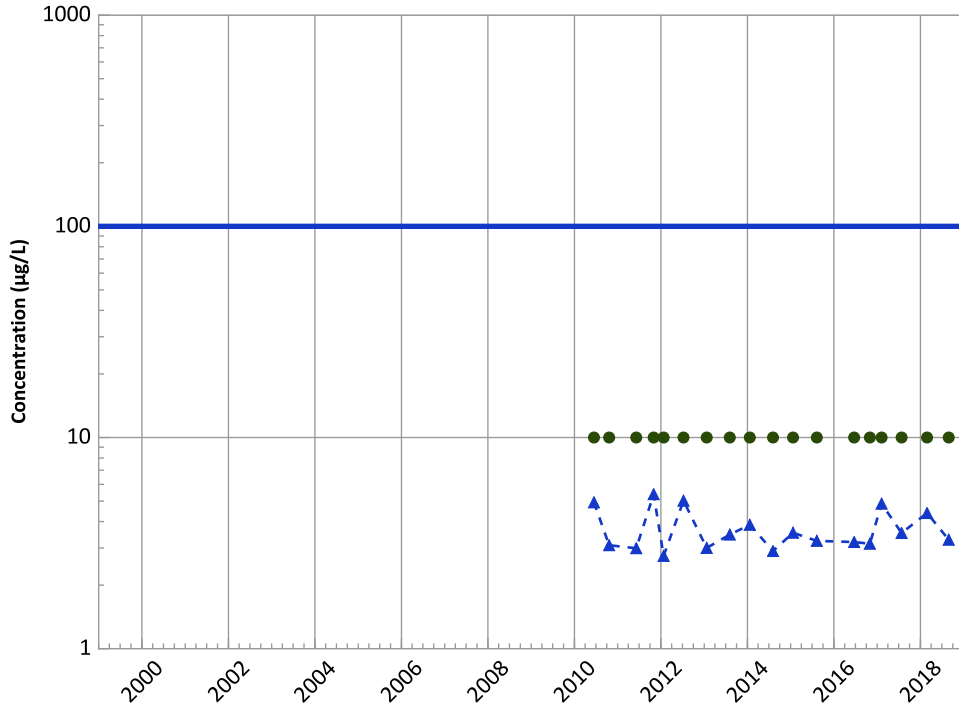
Data (2017 - 2021):

No Trend

All Data:

Increasing

Chromium, Total Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

No Trend

MAROS Linear Regression Method

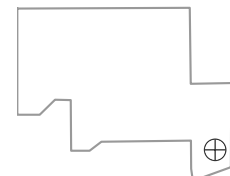
Data (2017 - 2021):

Stable

All Data:

Stable

Well Location

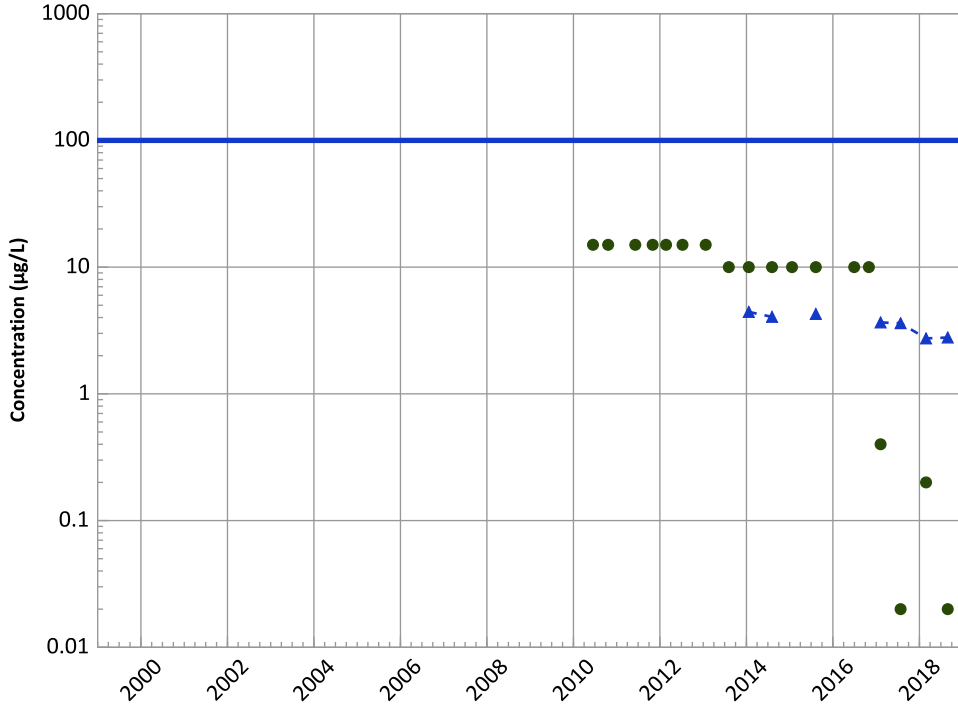


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Chromium, Hexavalent Trend

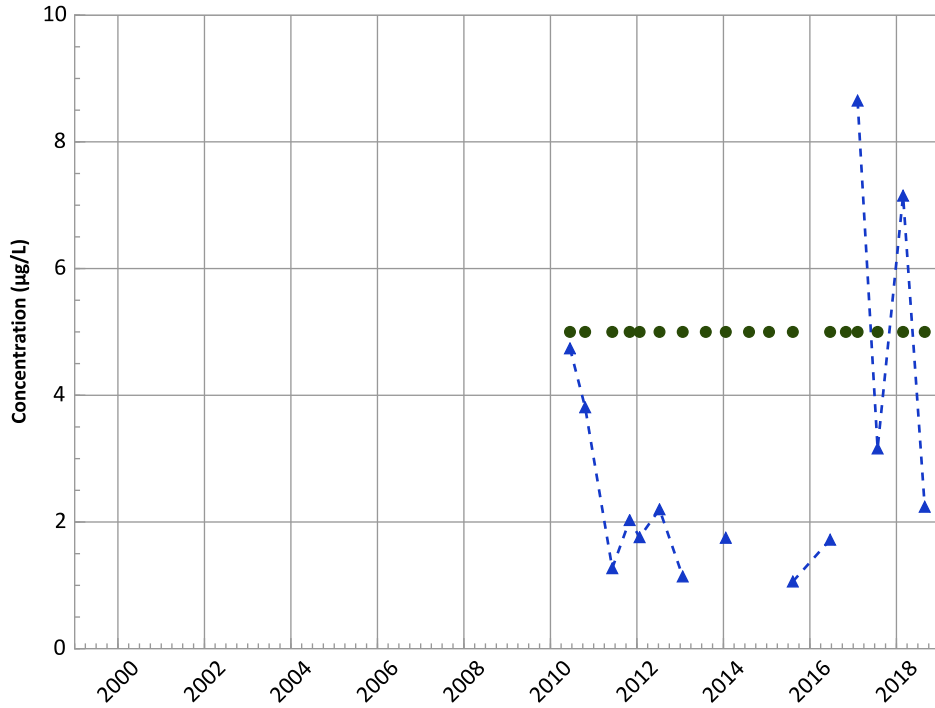


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

MAROS Linear Regression Method
Data (2017 - 2021):
N/A (<4 Detections in Dataset)
All Data:
Decreasing

Manganese Trend

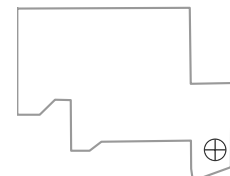


Concentration Trend

MAROS Mann-Kendall Method
Data (2017 - 2021):
Increasing
All Data:
No Trend

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

Well Location

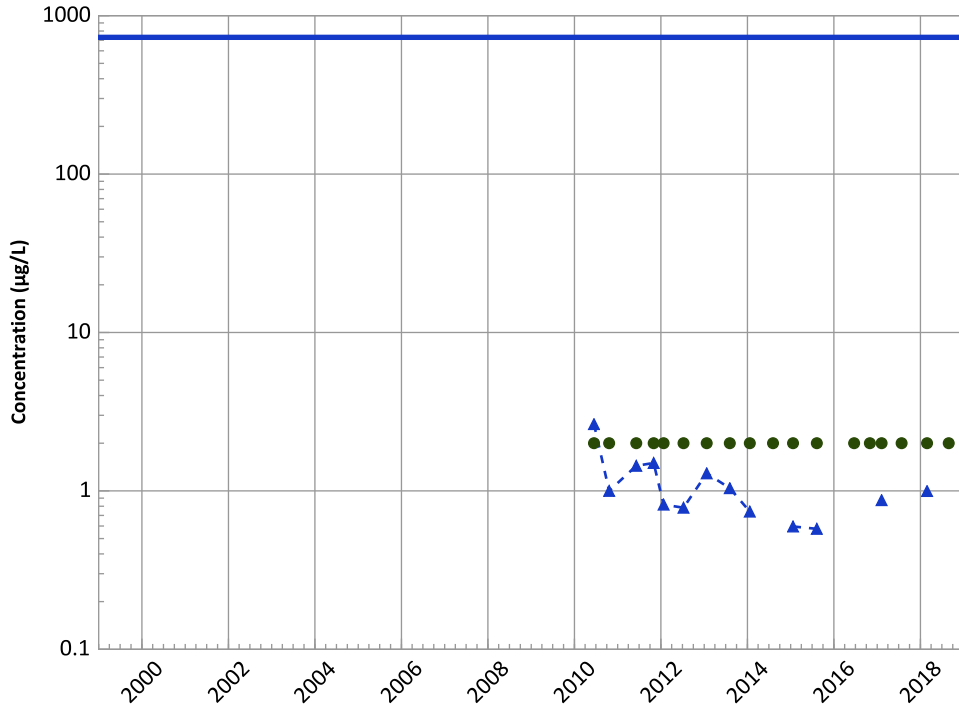


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX06-1157 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Nickel Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

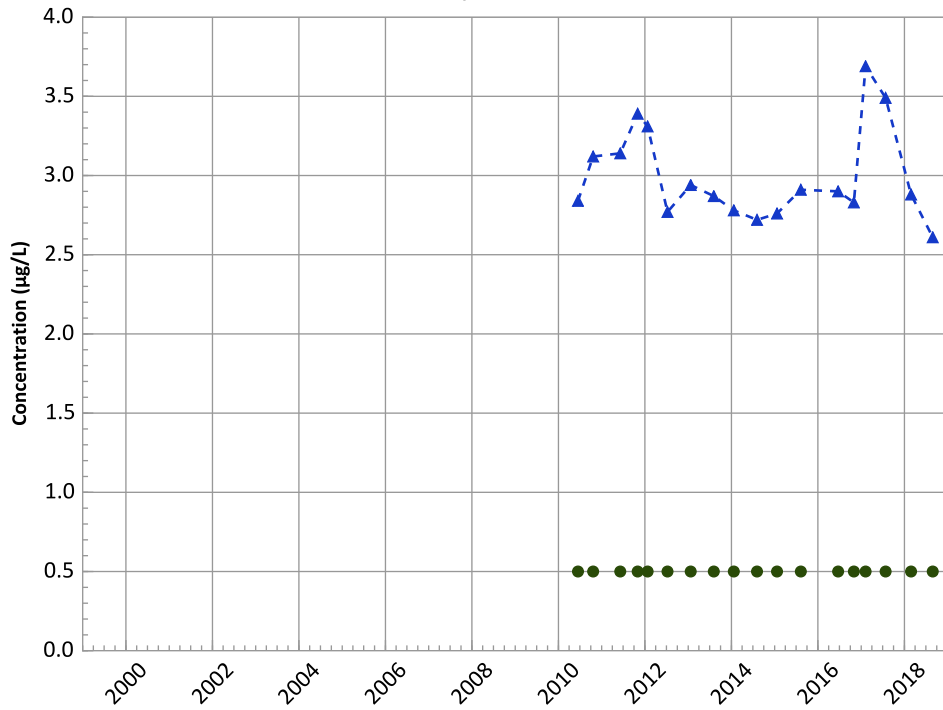
Data (2017 - 2021):

Probably Decreasing

All Data:

Decreasing

Molybdenum Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Decreasing

All Data:

Decreasing

MAROS Linear Regression Method

Data (2017 - 2021):

Stable

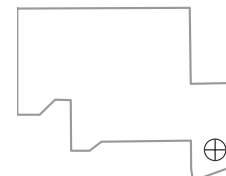
All Data:

Decreasing

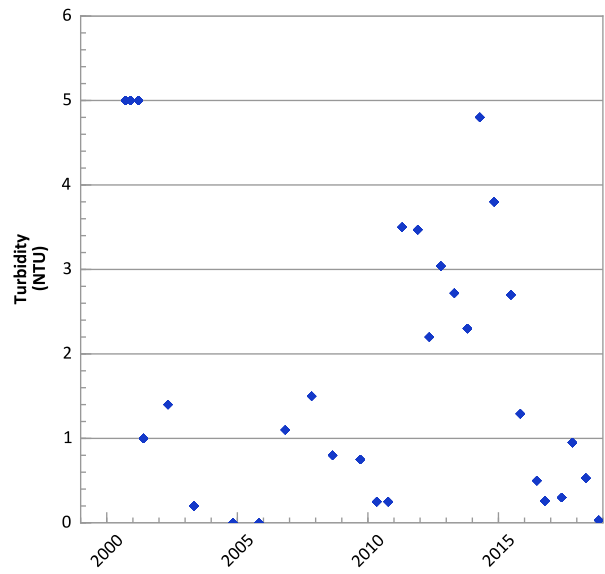
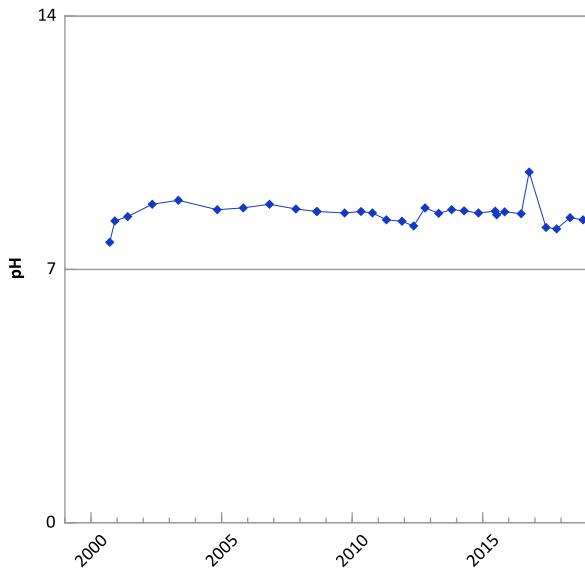
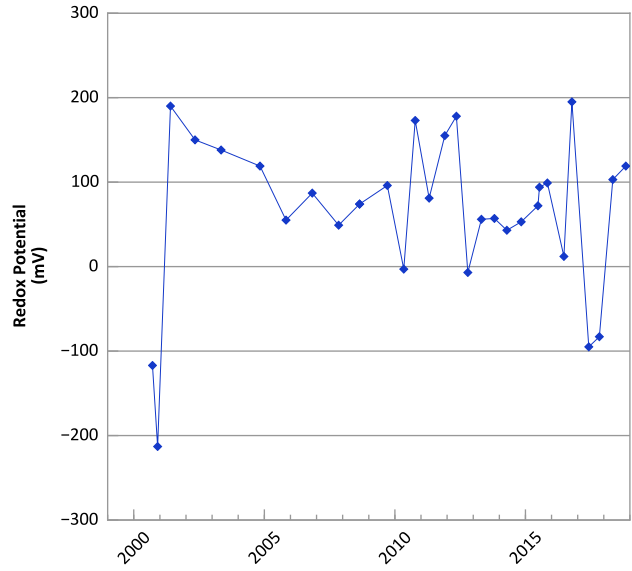
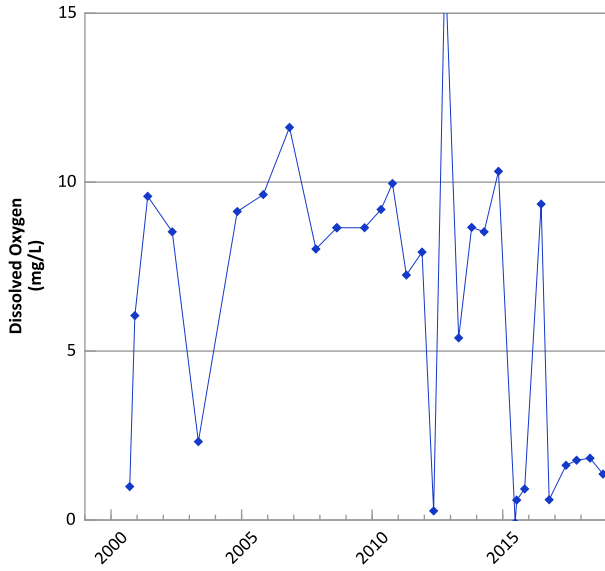
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 06/15/2010 to 08/28/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location

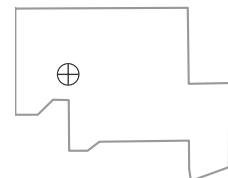


**PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Field Parameters**



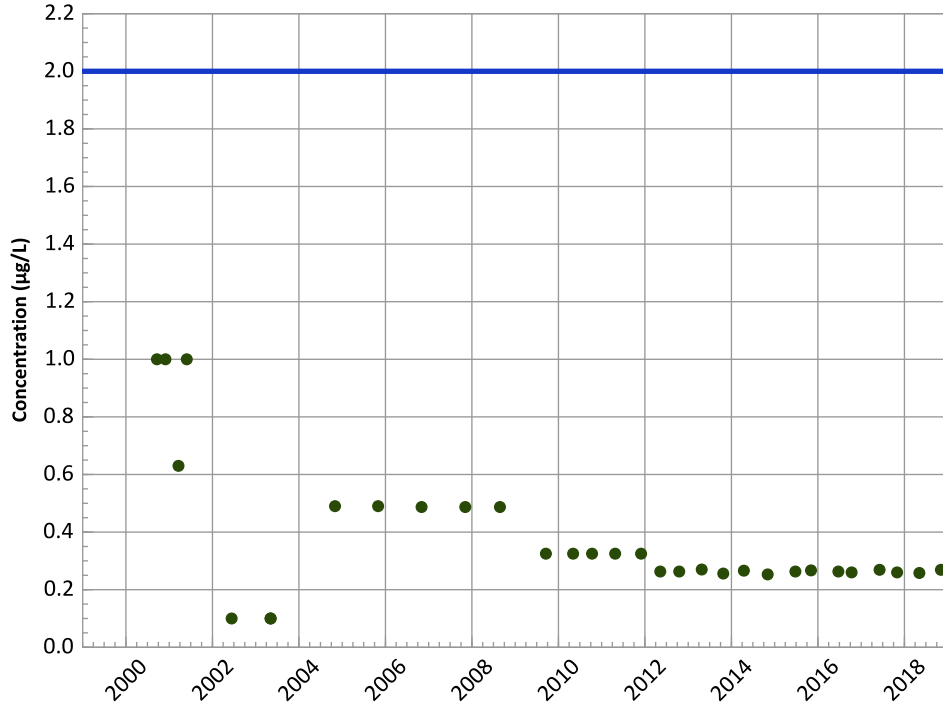
Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 05/08/2000 to 11/05/2018
 Analysis Date: 02/14/2019

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

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

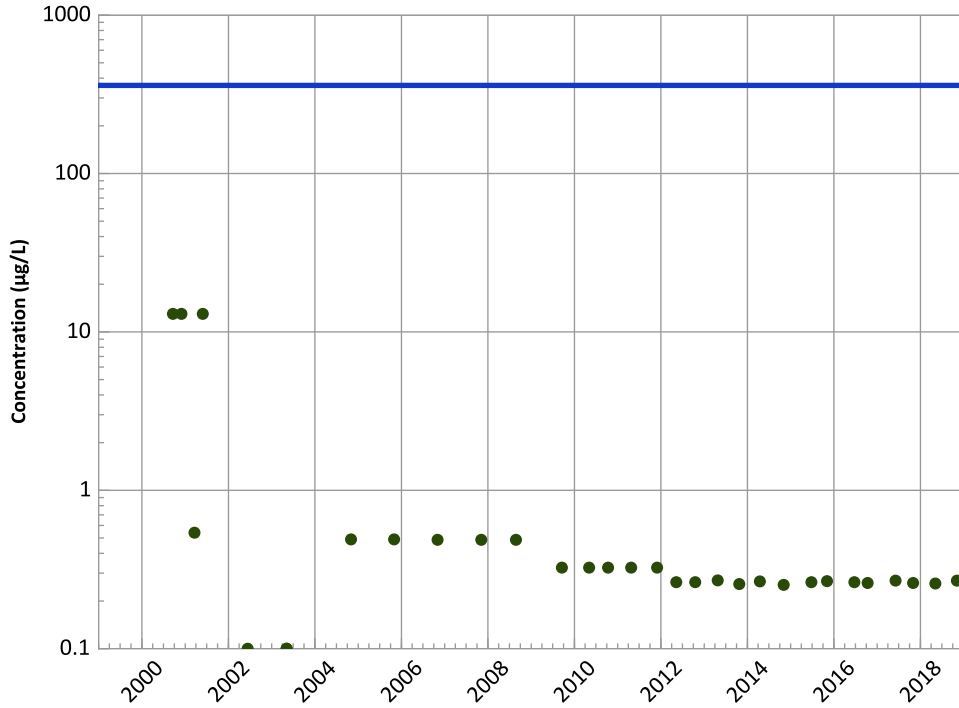
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

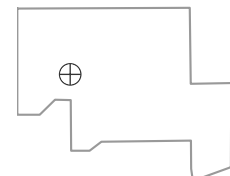
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

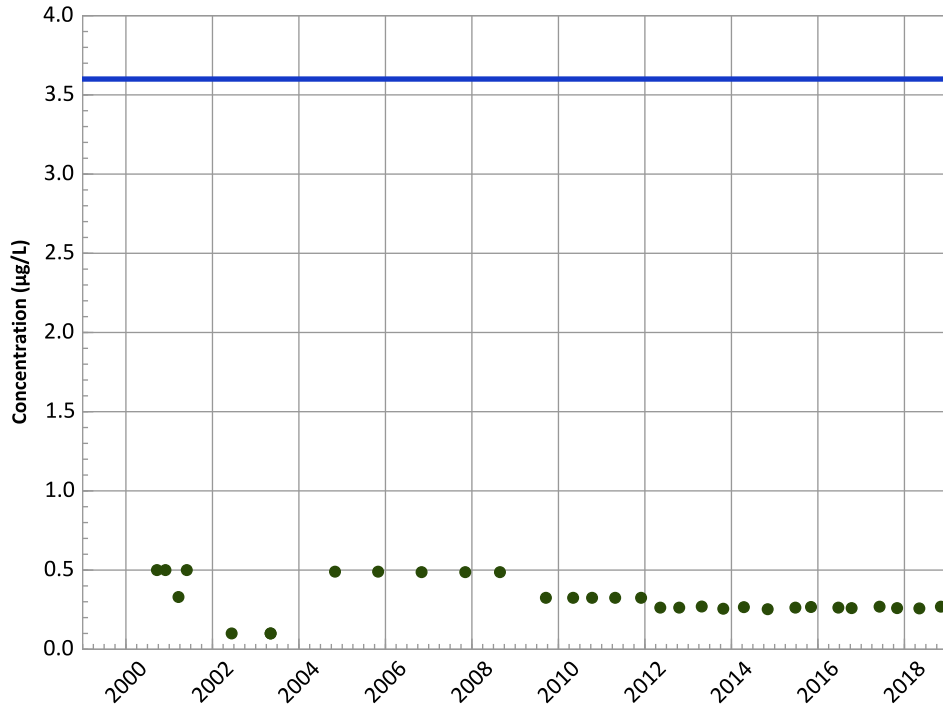
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

TNT (2,4,6-Trinitrotoluene) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

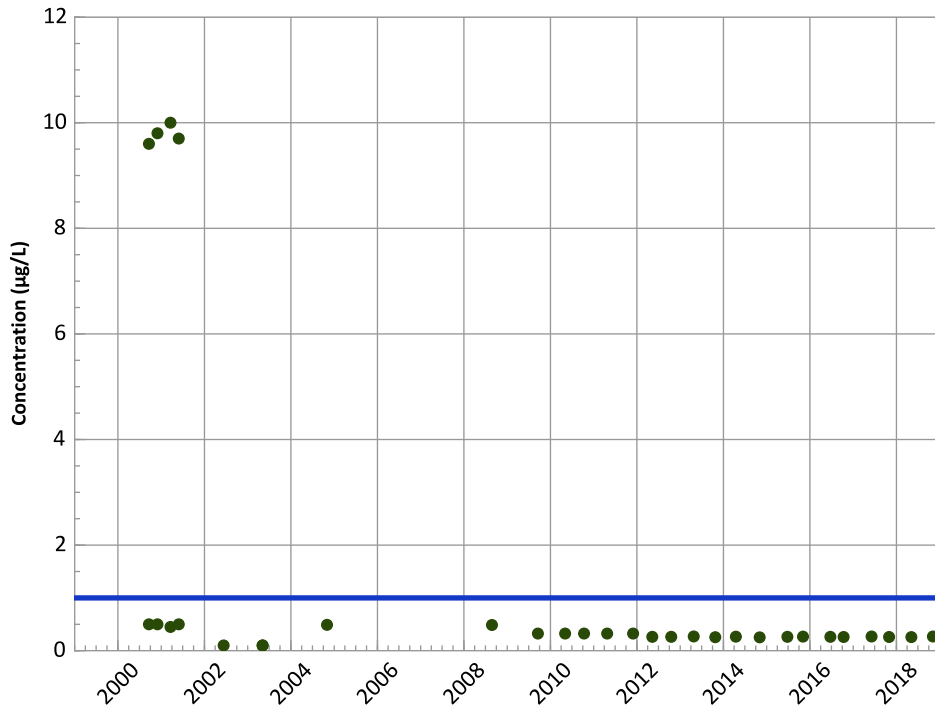
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2,4-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

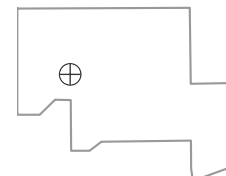
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

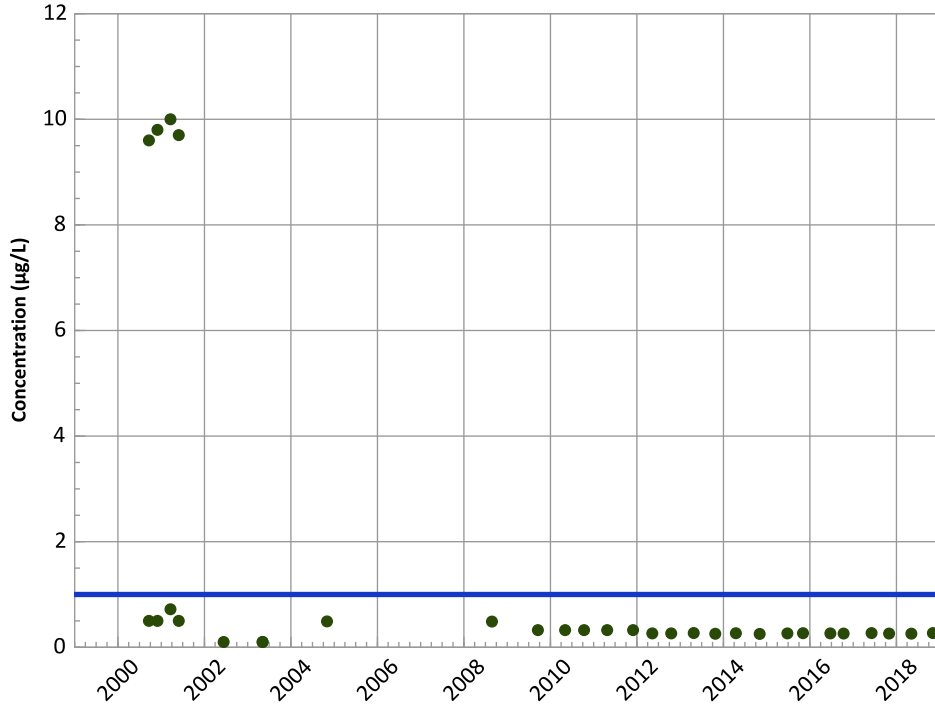
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

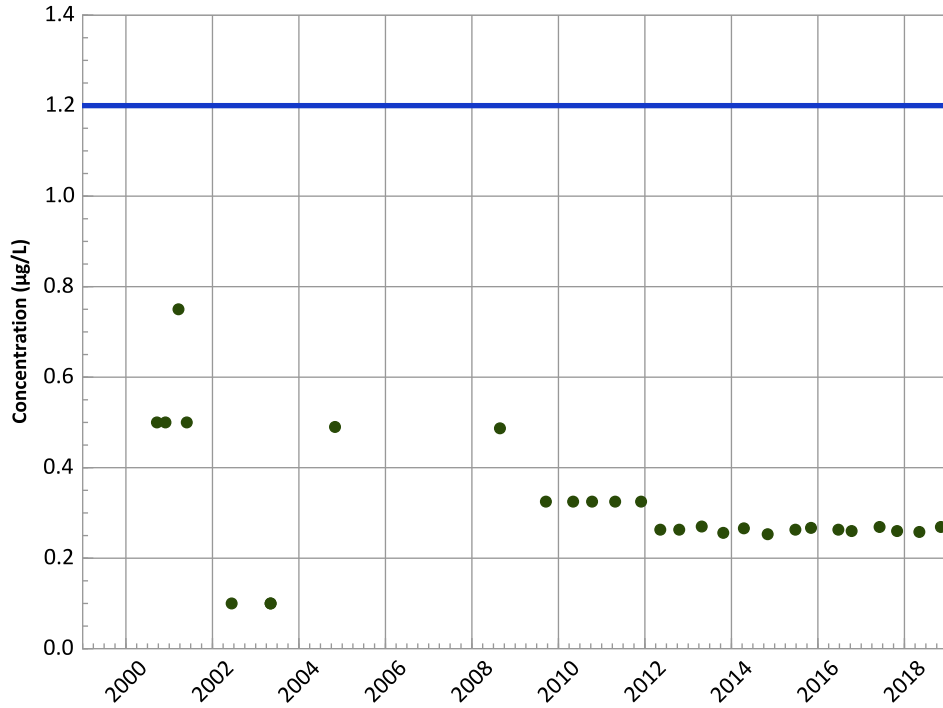
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

2-Amino-4,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

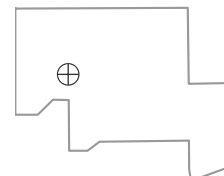
All Data:

All Non-Detect

Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

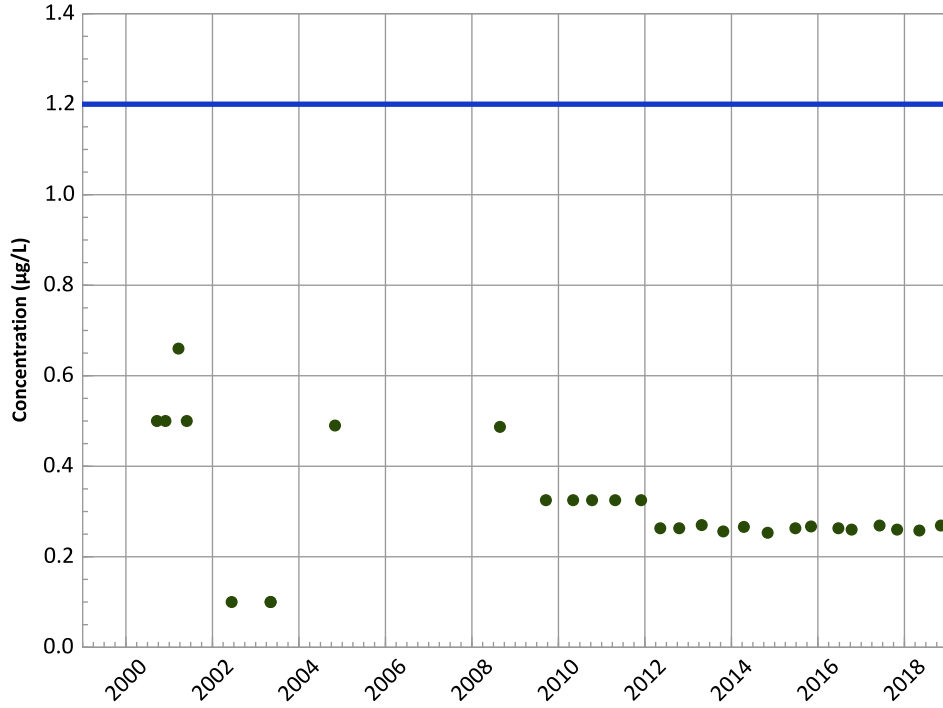
- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

4-Amino-2,6-Dinitrotoluene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

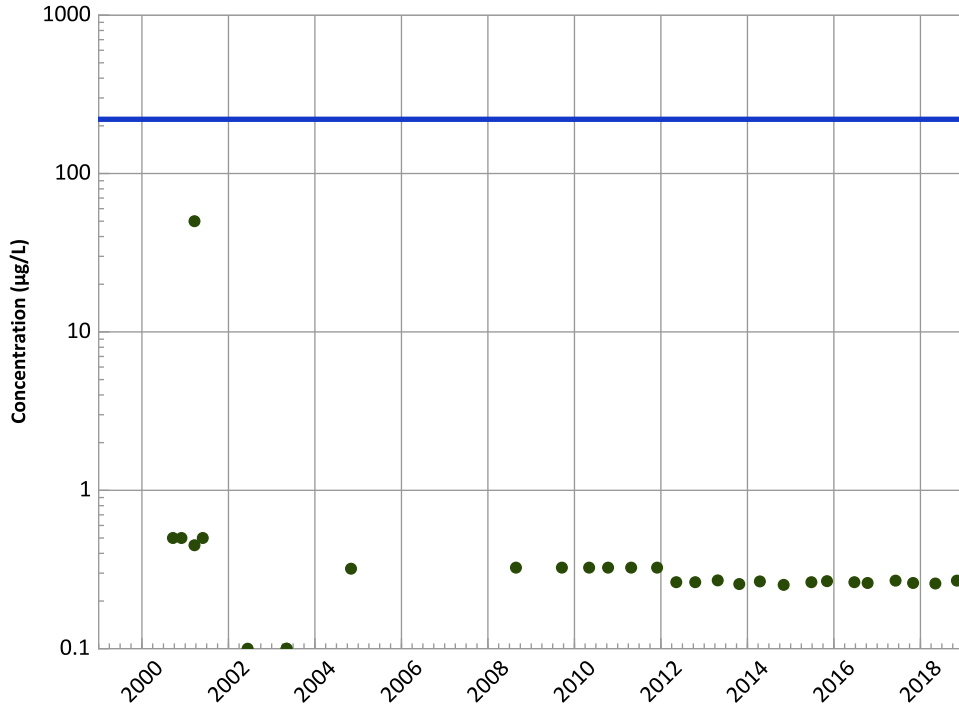
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,3,5-Trinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

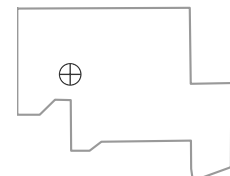
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Well Location

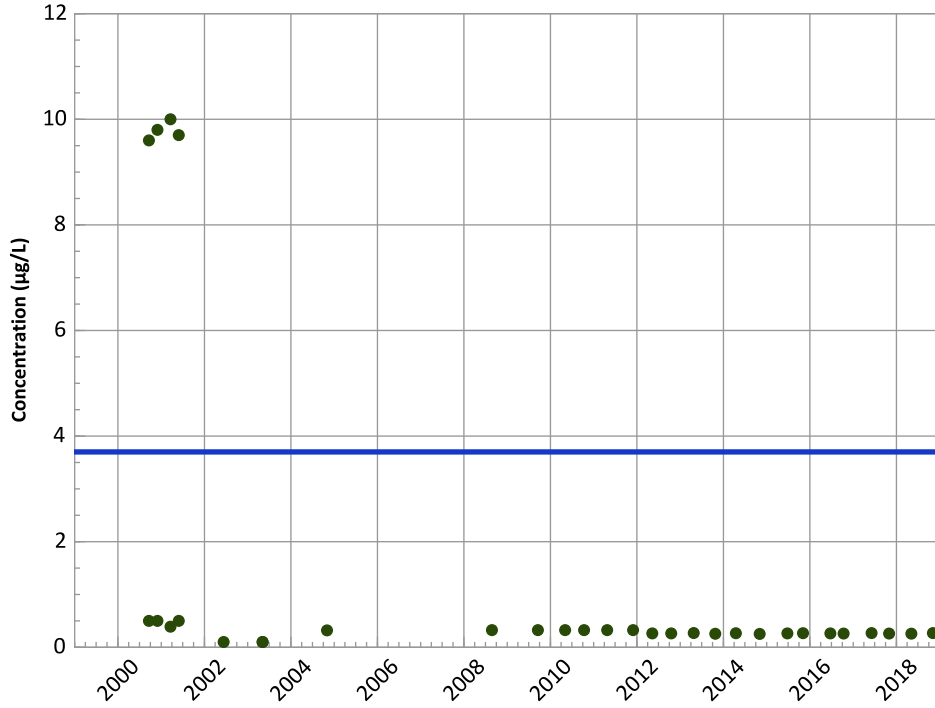


Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

1,3-Dinitrobenzene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

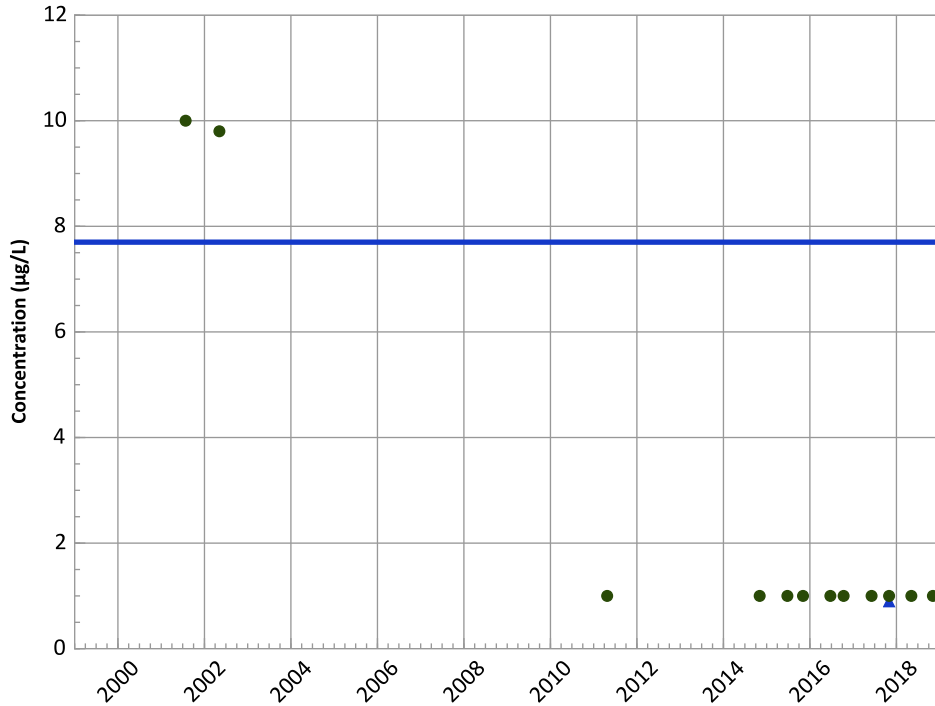
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,4-Dioxane (p-Dioxane) Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

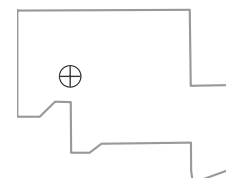
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

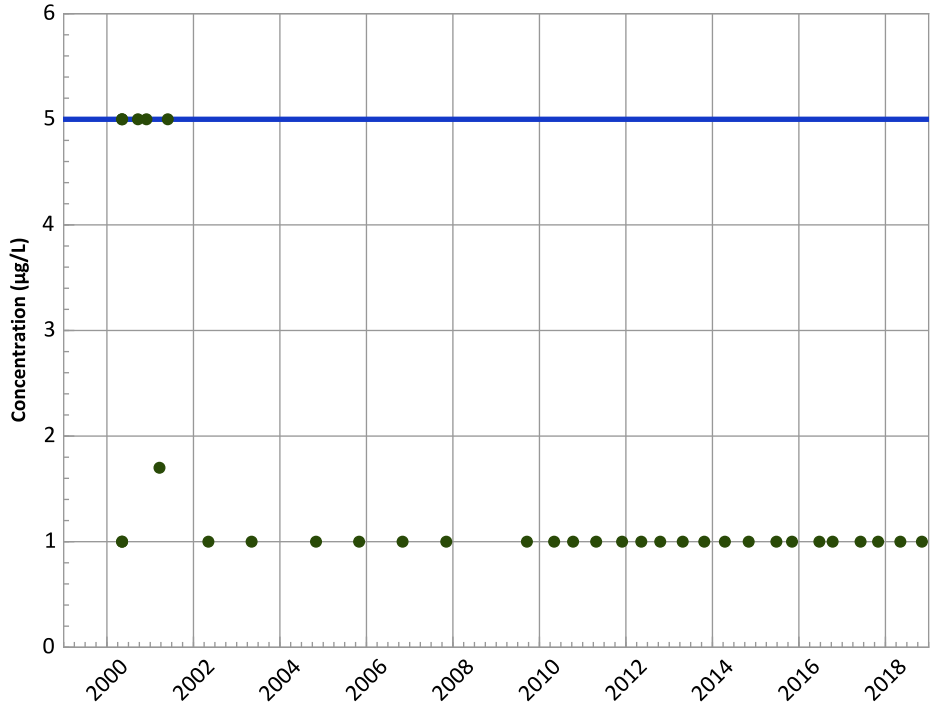
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

**PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant
Tetrachloroethylene (PCE) Trend**



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

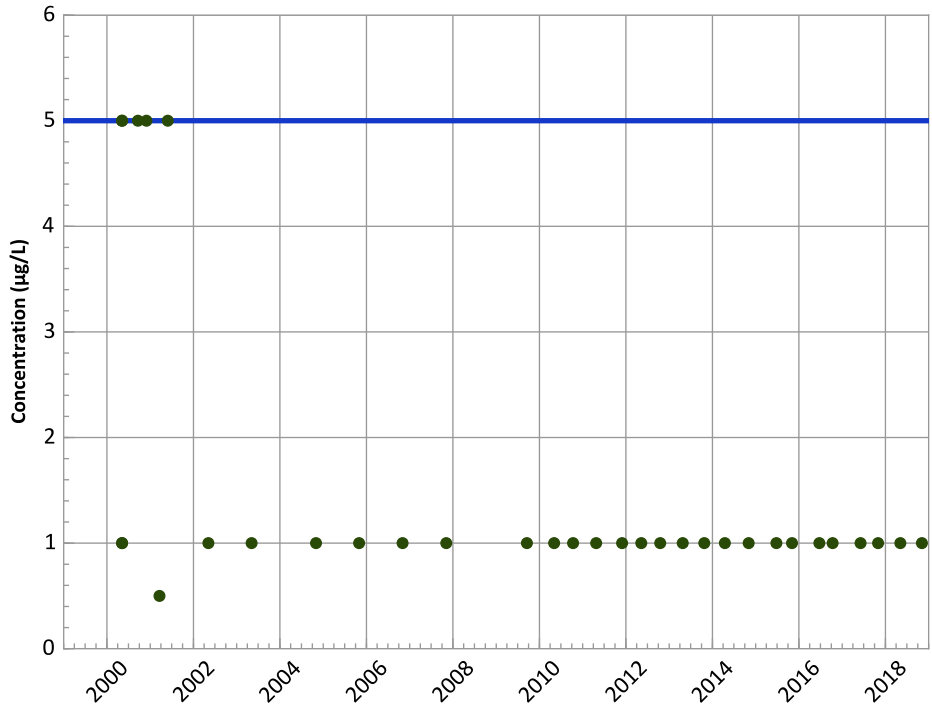
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Trichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

Data (2017 - 2021):

All Non-Detect

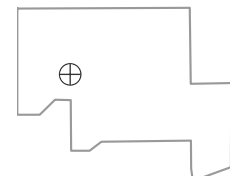
All Data:

All Non-Detect

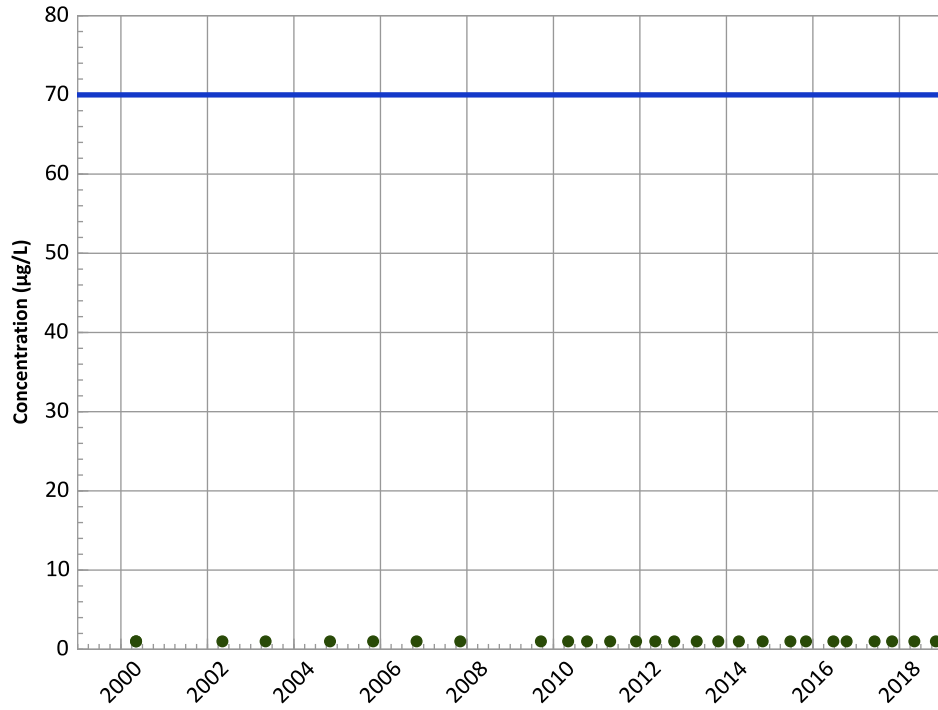
Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Well Location



**PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant**
cis-1,2-Dichloroethene Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

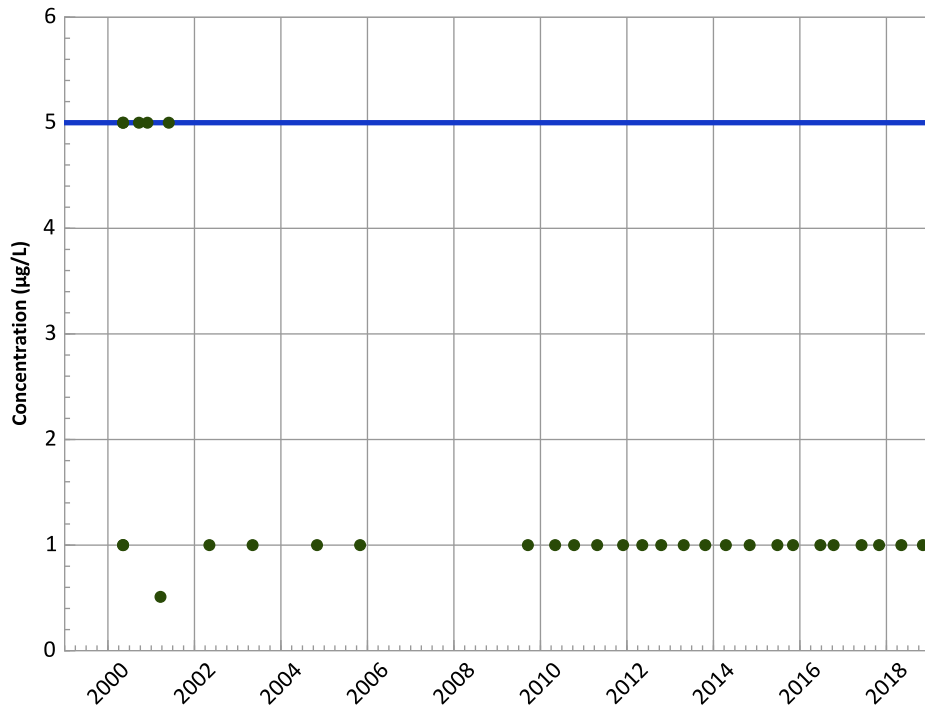
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

1,2-Dichloroethane Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

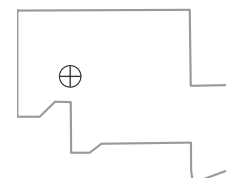
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

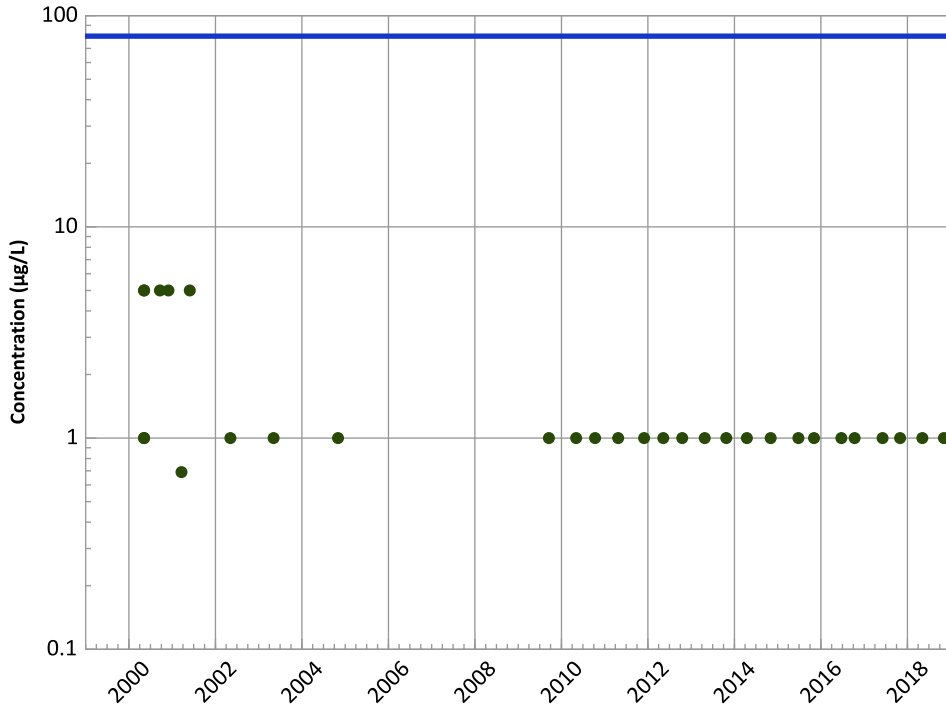
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer
 USDOE/NNSA Pantex Plant
 Chloroform Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

MAROS Linear Regression Method

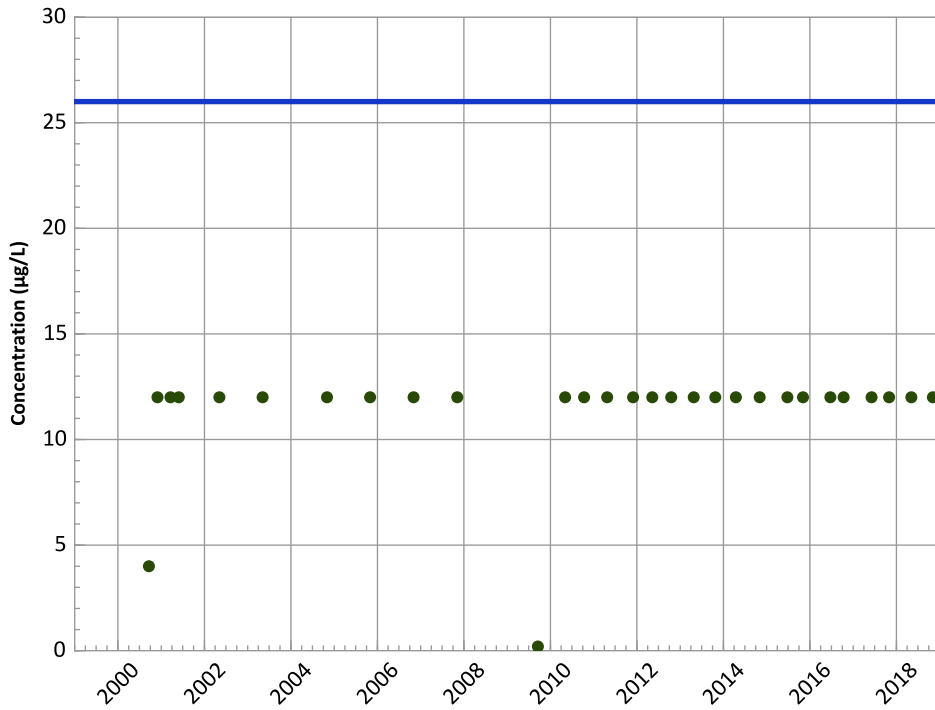
Data (2017 - 2021):

All Non-Detect

All Data:

All Non-Detect

Perchlorate Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

MAROS Linear Regression Method

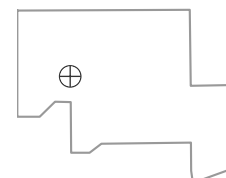
Data (2017 - 2021):

All Non-Detect

All Data:

N/A (<4 Detections in Dataset)

Well Location

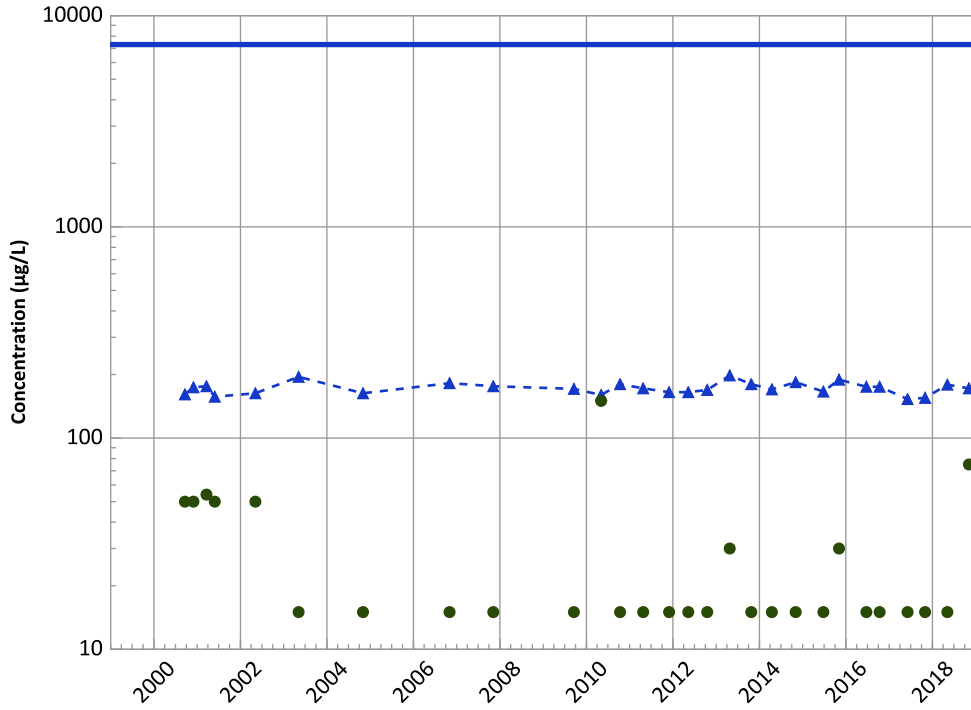


Query Date Range: 01/01/1992 to 12/31/2018
 Data Date Range: 05/08/2000 to 11/05/2018
 Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

PTX07-1R01 in Ogallala Aquifer
USDOE/NNSA Pantex Plant

Boron Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

Increasing

All Data:

No Trend

MAROS Linear Regression Method

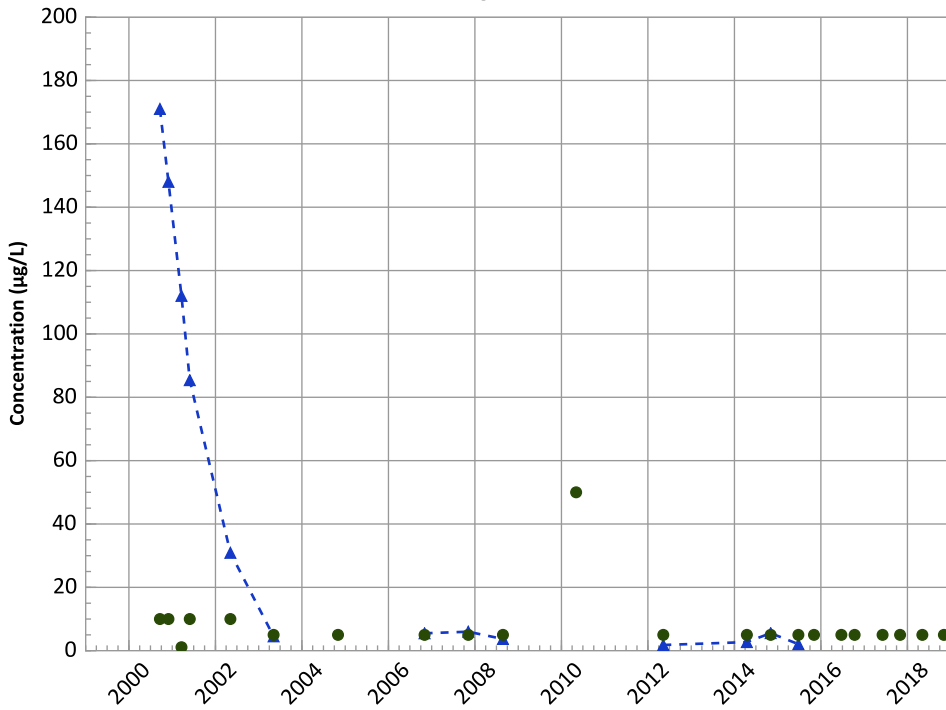
Data (2017 - 2021):

No Trend

All Data:

Increasing

Manganese Trend



Concentration Trend

MAROS Mann-Kendall Method

Data (2017 - 2021):

No Trend

All Data:

Decreasing

MAROS Linear Regression Method

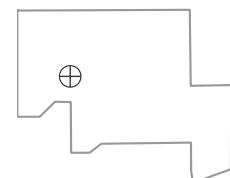
Data (2017 - 2021):

No Trend

All Data:

Decreasing

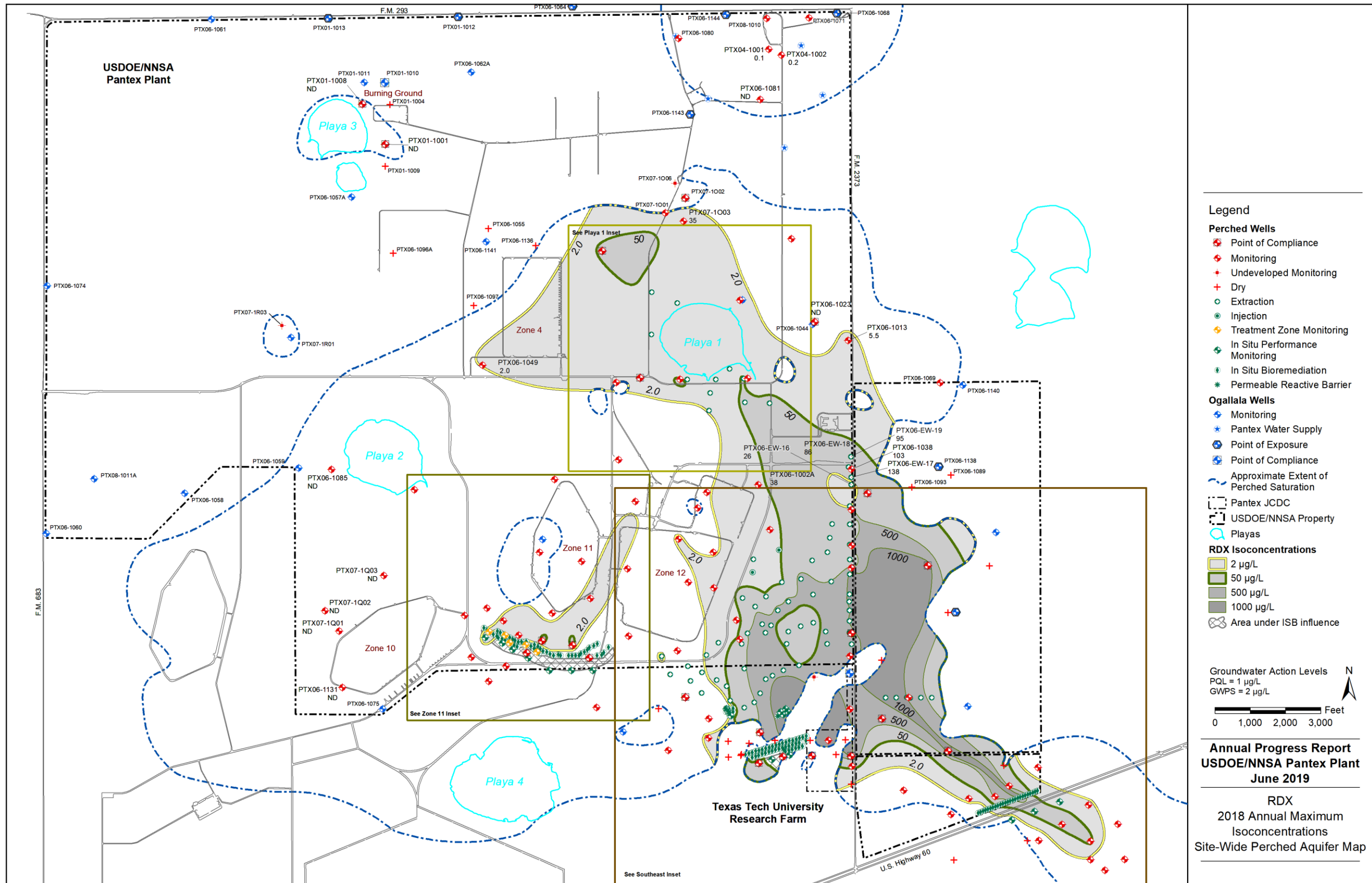
Well Location



Query Date Range: 01/01/1992 to 12/31/2018
Data Date Range: 05/08/2000 to 11/05/2018
Analysis Date: 02/14/2019

- ▲ Measured Value
- Sample Detection Limit
- - - Concentration Trend
- Groundwater Protection Standard

Appendix F
Perched Aquifer Isoconcentration
Maps of Indicator Constituents



Legend

Perched Wells

- Point of Compliance
- Monitoring
- Undeveloped Monitoring
- Dry
- Extraction
- Injection
- Treatment Zone Monitoring
- In Situ Performance Monitoring
- In Situ Bioremediation
- Permeable Reactive Barrier

Ogallala Wells

- Monitoring
- Pantex Water Supply
- Point of Exposure
- Point of Compliance
- Approximate Extent of Perched Saturation
- Pantex JCDC
- USDOE/NNSA Property
- Playas

RDX Isoconcentrations

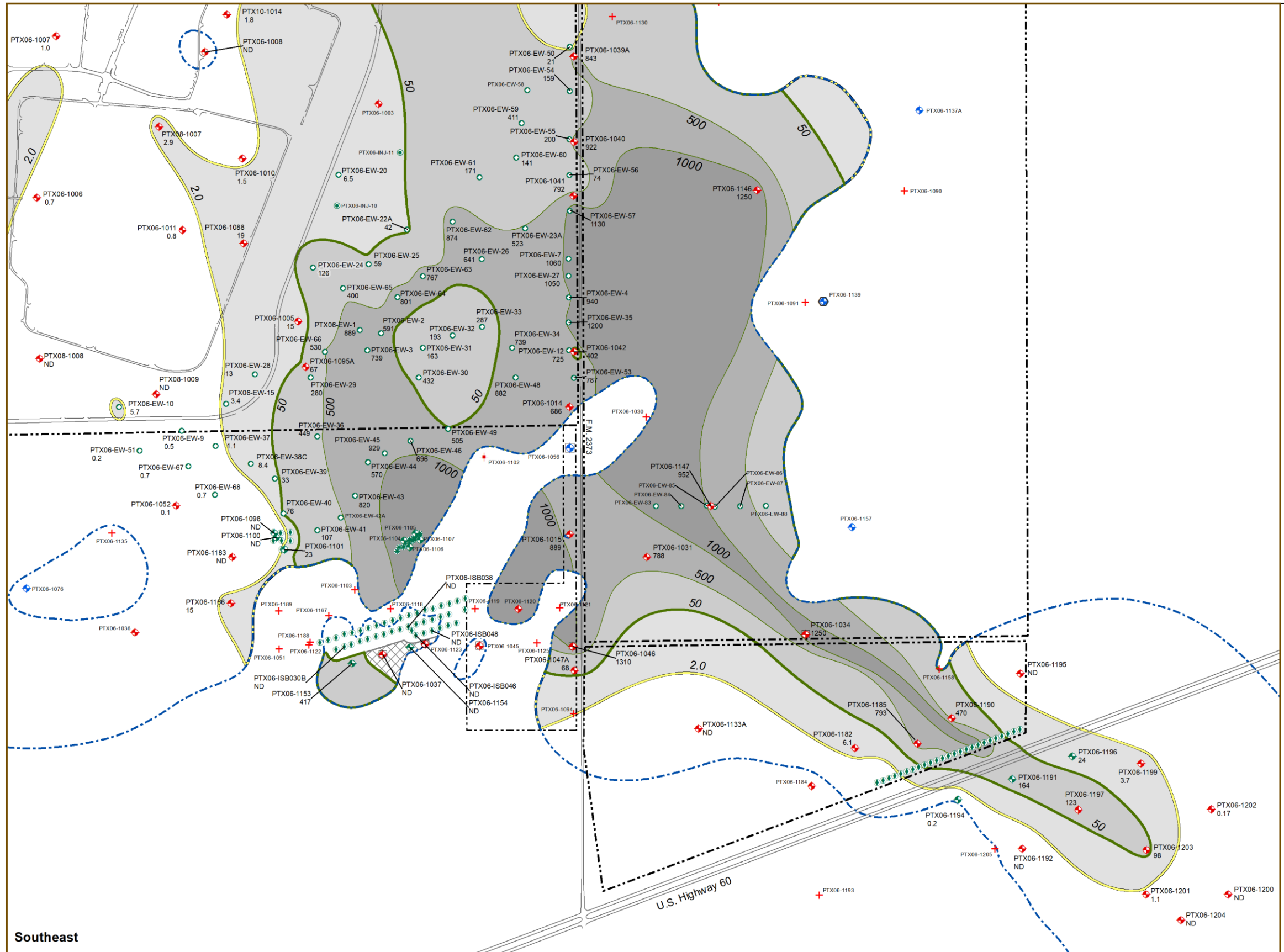
- 2 µg/L
- 50 µg/L
- 500 µg/L
- 1000 µg/L
- Area under ISB influence

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 2019**

**RDX
 2018 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
- Permeable Reactive Barrier

Ogallala Wells

- Monitoring
- Pantex Water Supply
- Point of Exposure
- Point of Compliance
- Approximate Extent of Perched Saturation
- Pantex JCDC
- USDOE/NNSA Property
- Playas

RDX Isoconcentrations

- 2 µg/L
- 50 µg/L
- 500 µg/L
- 1000 µg/L
- Area under ISB Influence

Groundwater Action Levels

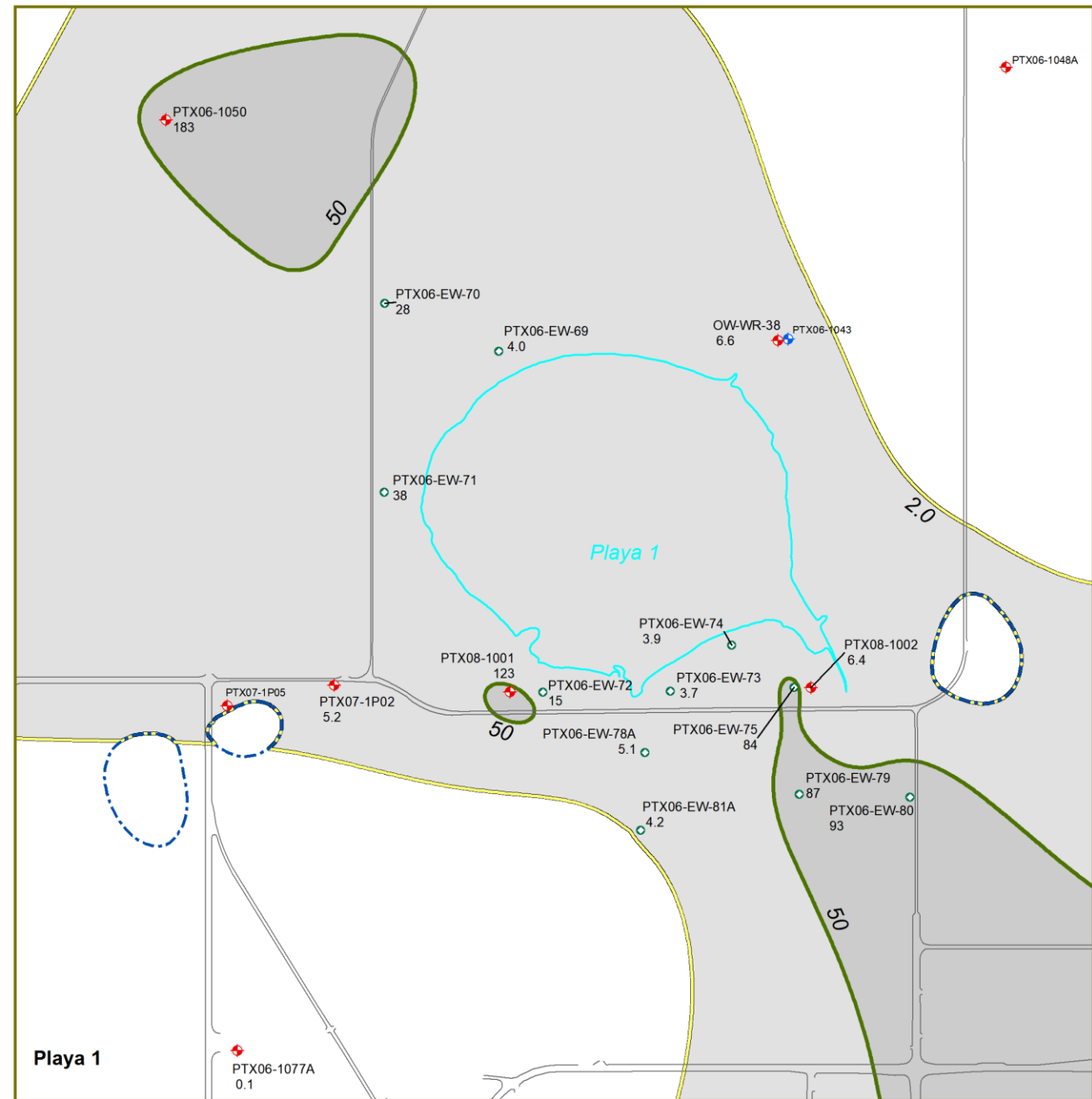
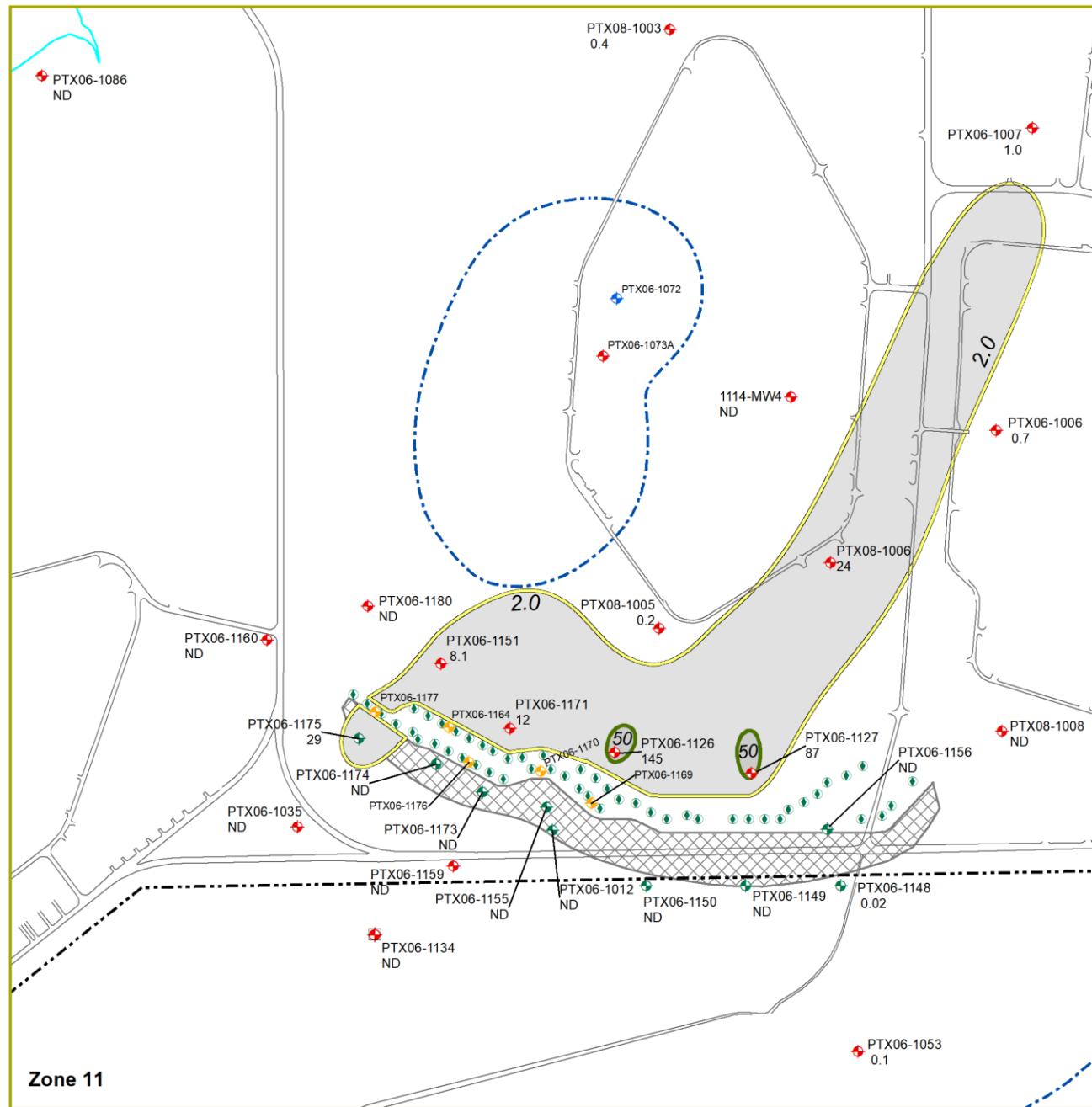
PQL = 1 µg/L
GWPS = 2 µg/L

0 500 1,000 1,500 Feet

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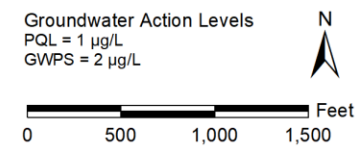
**RDX
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Map**

Southeast



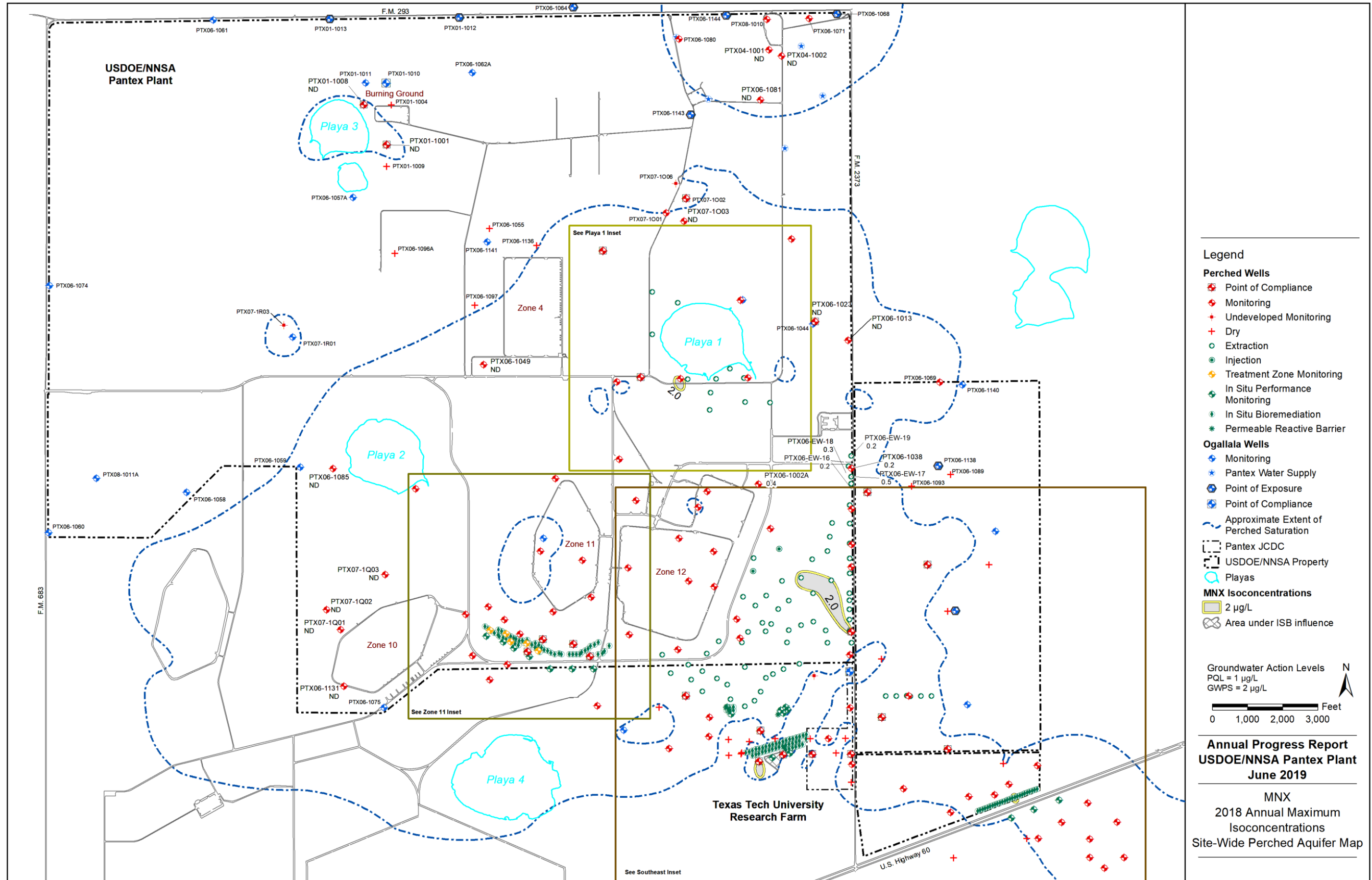
Legend

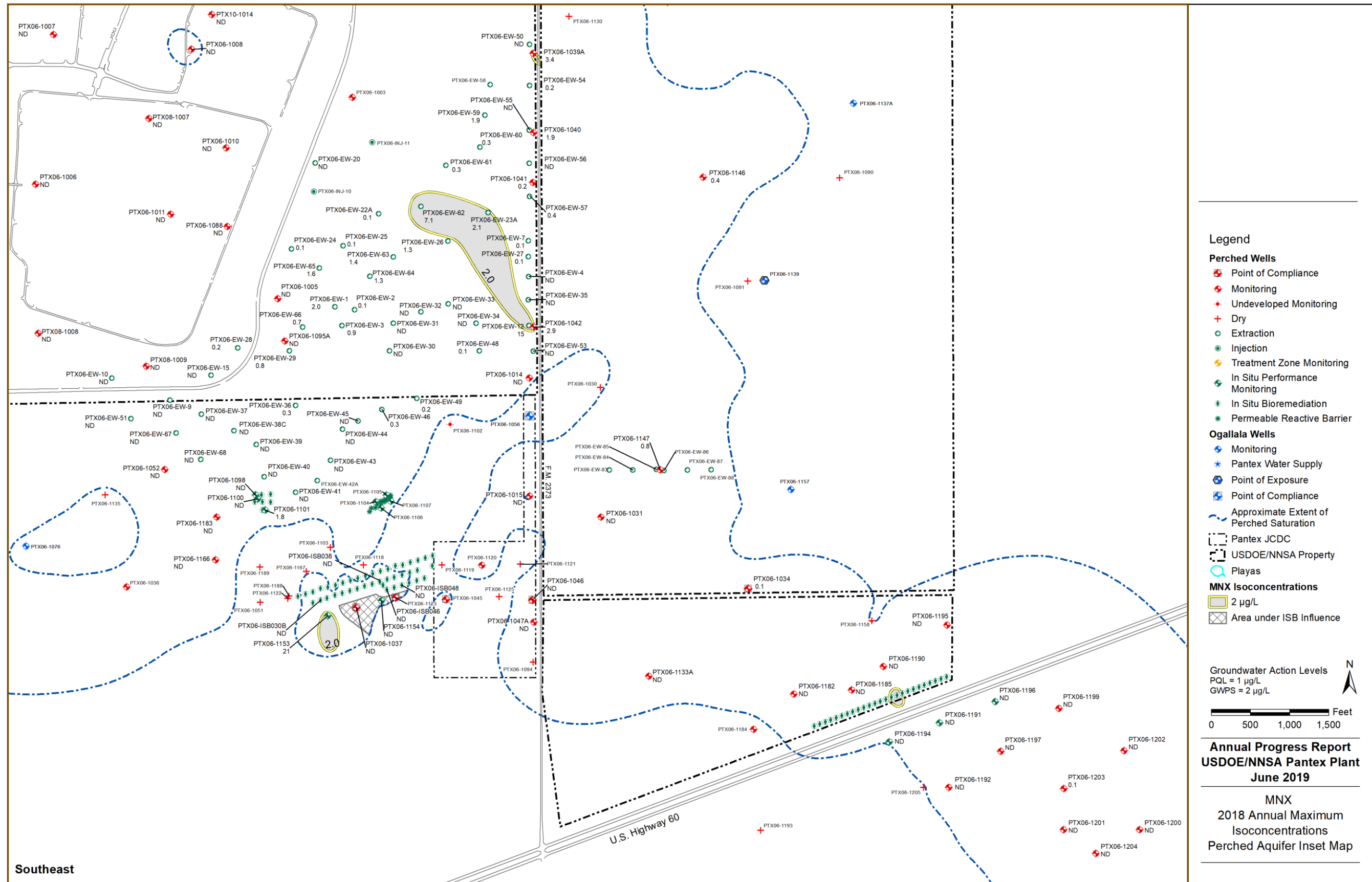
- | | | | |
|------------------------|--------------------------------|--|------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | RDx Isoconcentrations |
| 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 | 500 µg/L |
| | | Area under ISB Influence | 1000 µg/L |

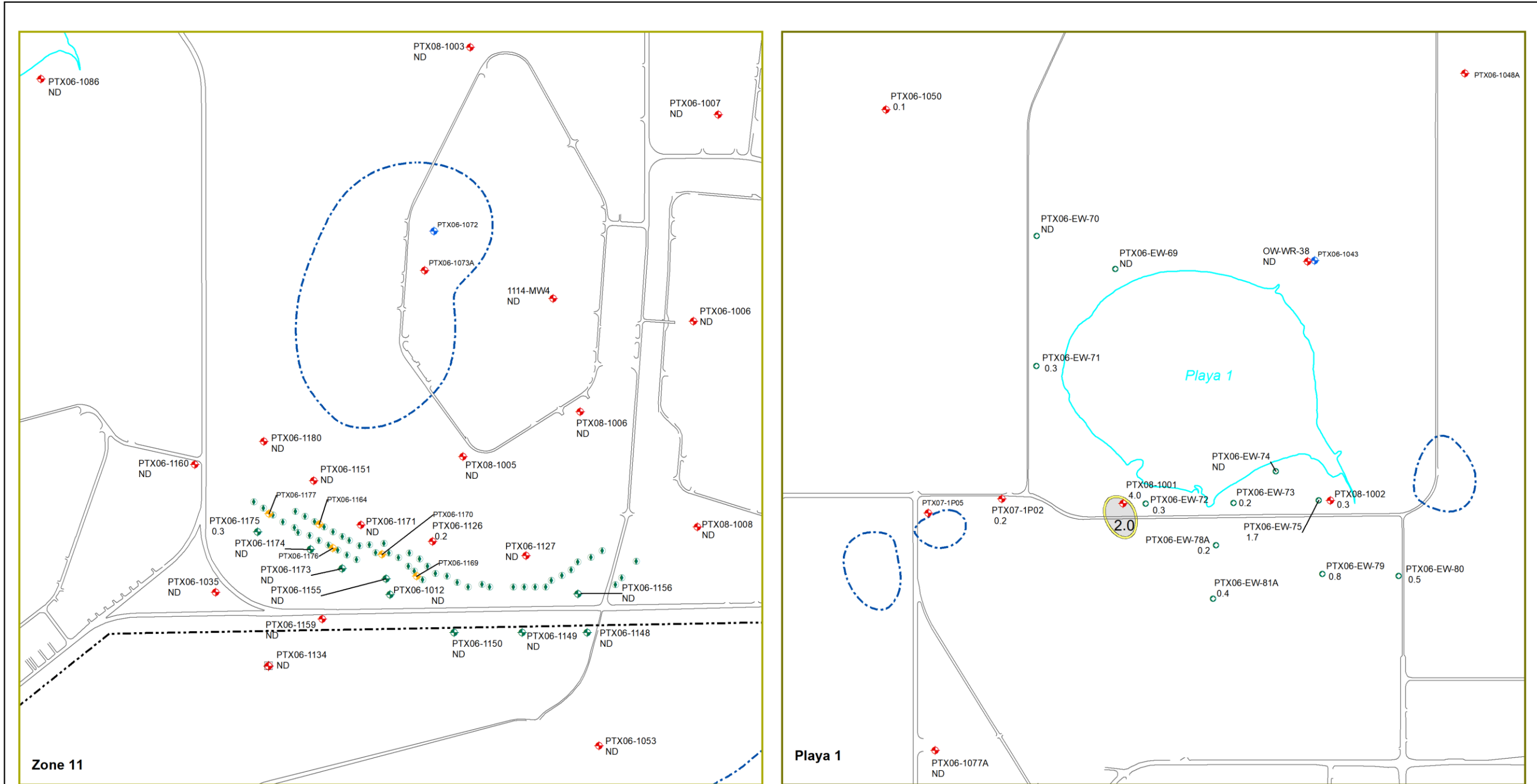


Annual Progress Report
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June 2019

RDx
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Maps

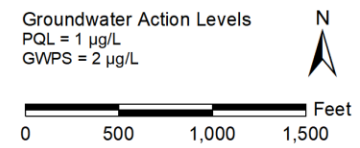






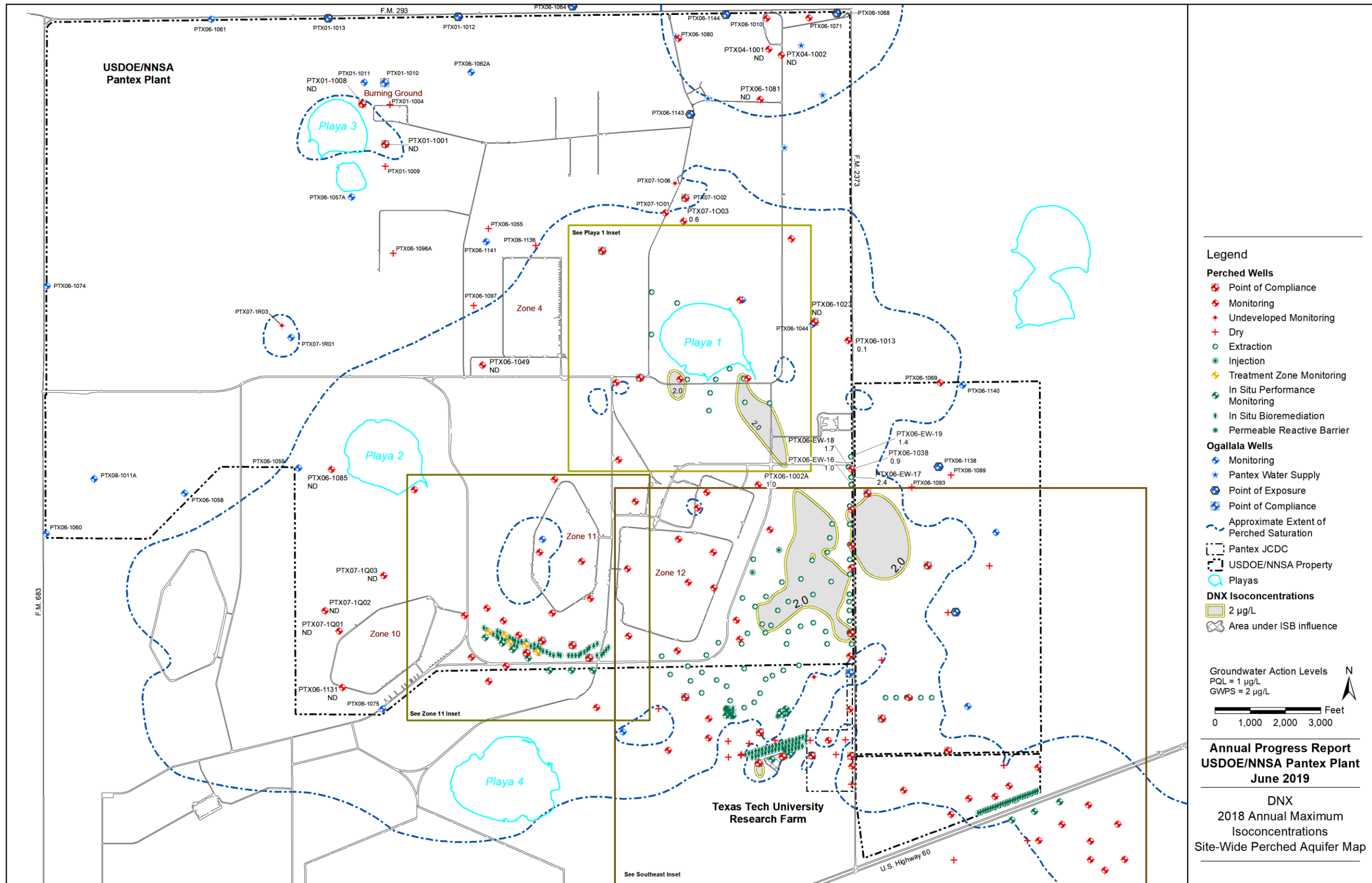
Legend

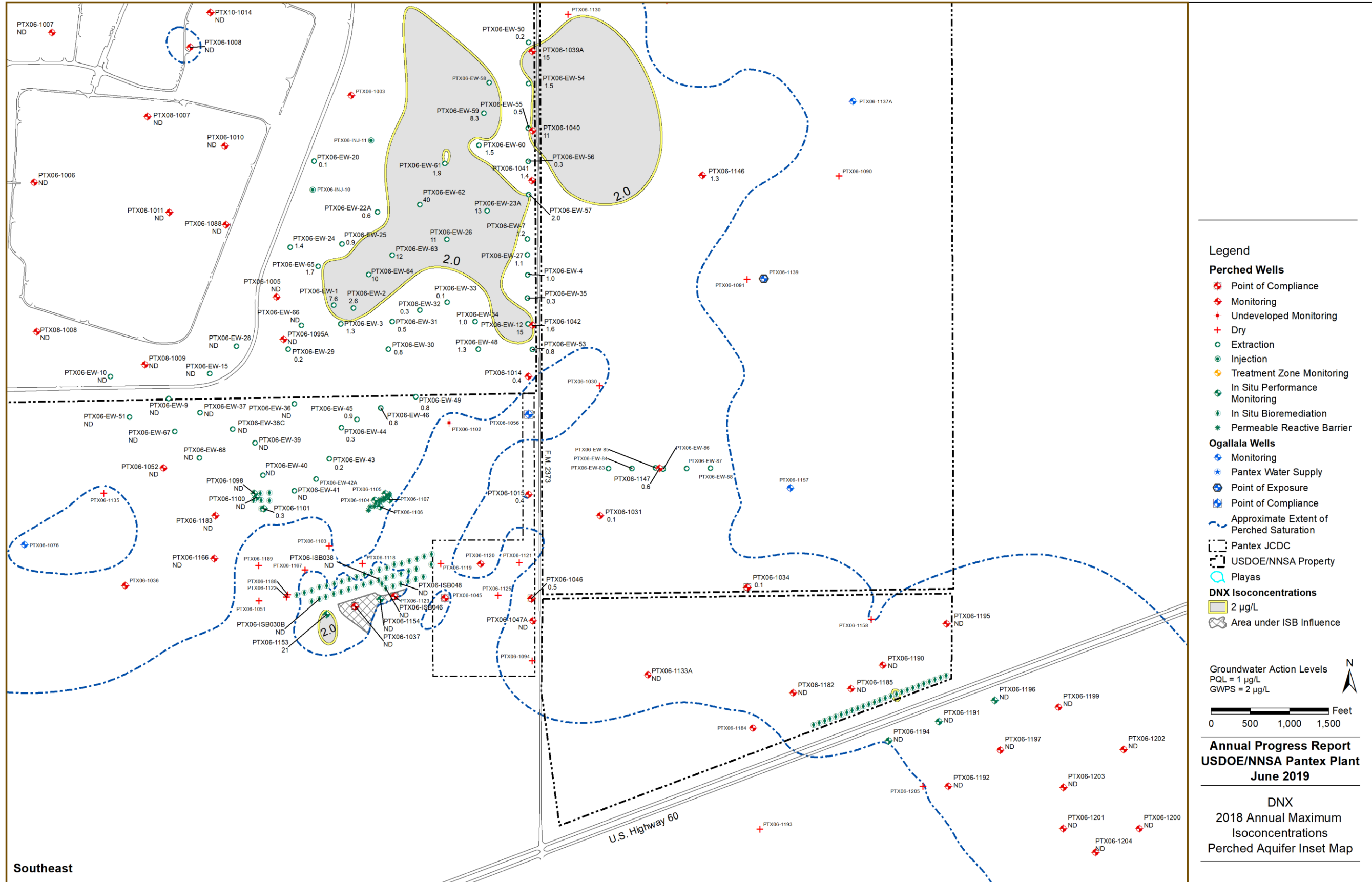
- | | | | |
|------------------------|--------------------------------|--|------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | MNX Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 2 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | Area under ISB Influence |
| Extraction | | Approximate Extent of Perched Saturation | |

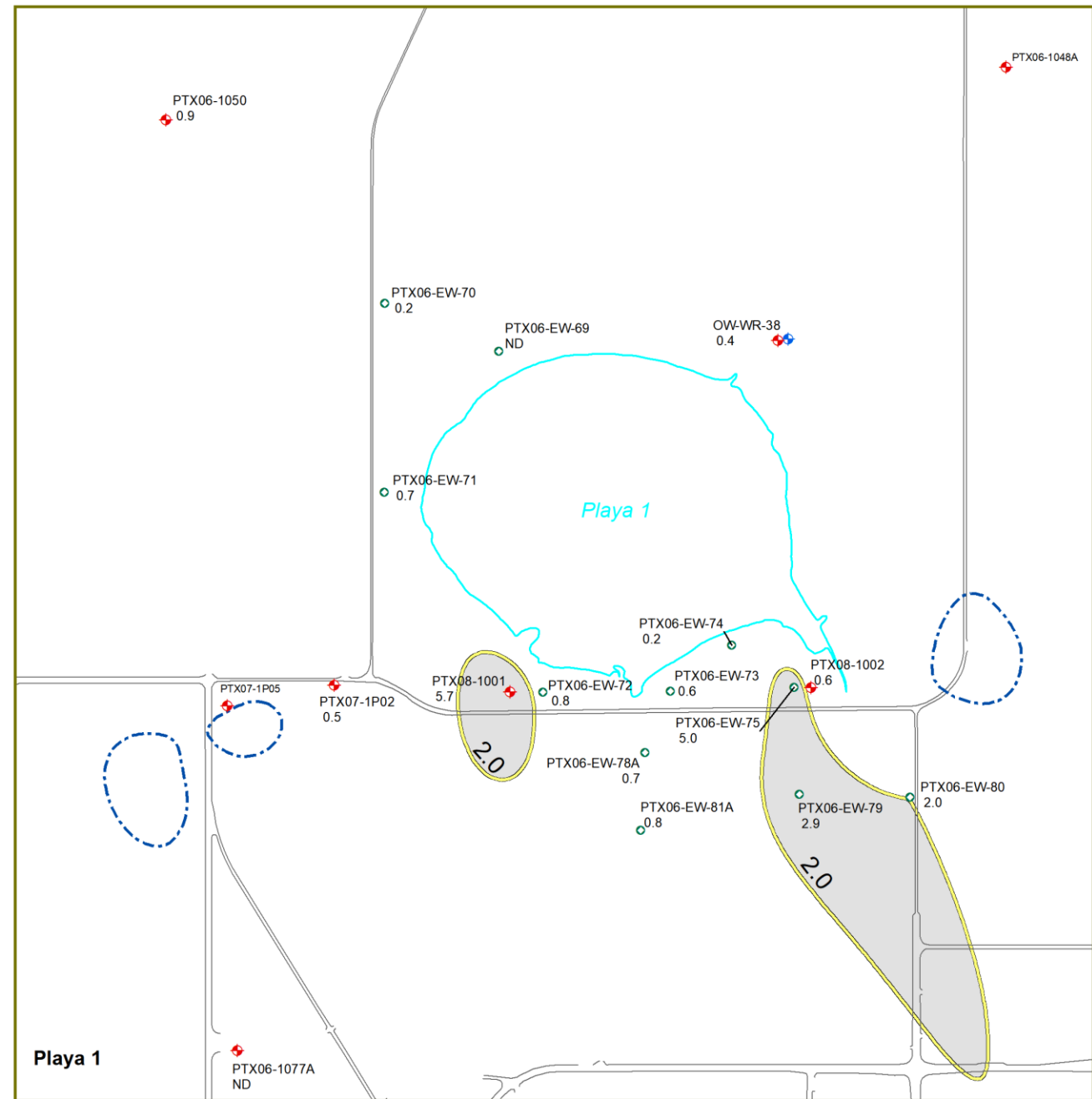
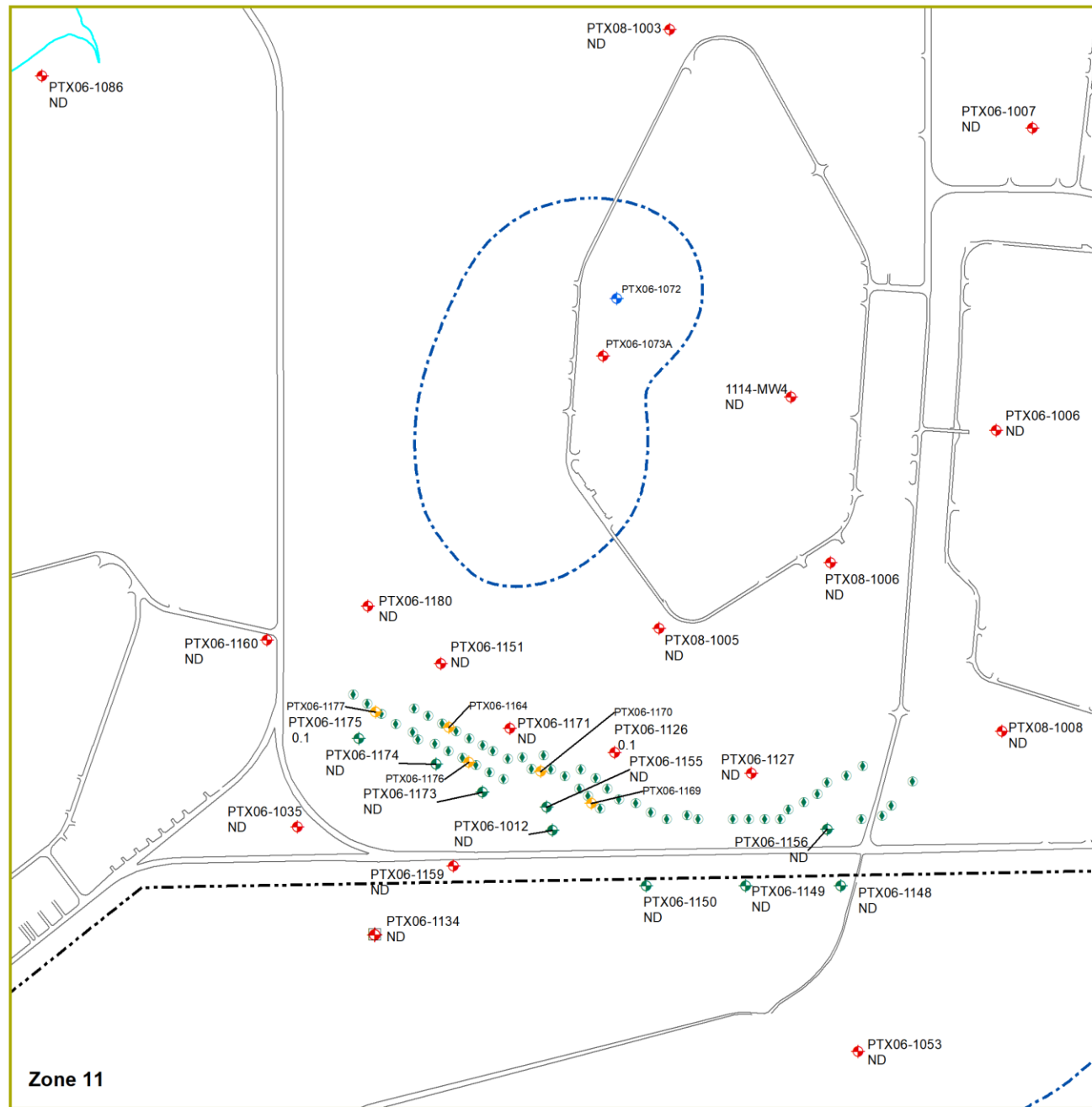


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 USDOE/NNSA Pantex Plant
 June 2019

MNX
 2018 Annual Maximum
 Isoconcentrations
 Perched Aquifer Inset Maps

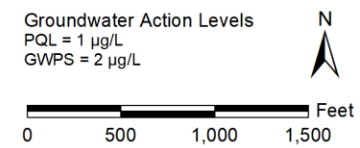






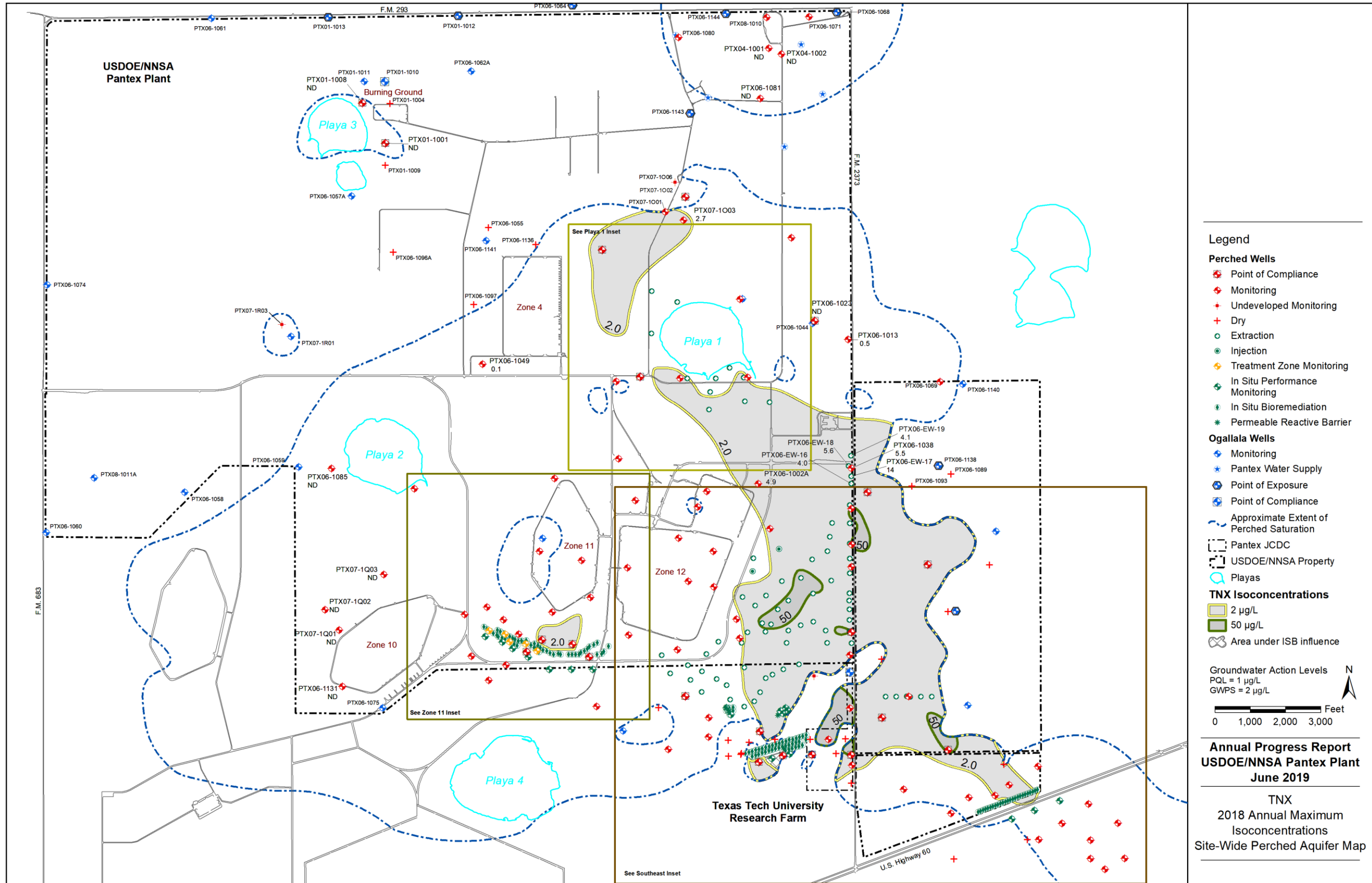
Legend

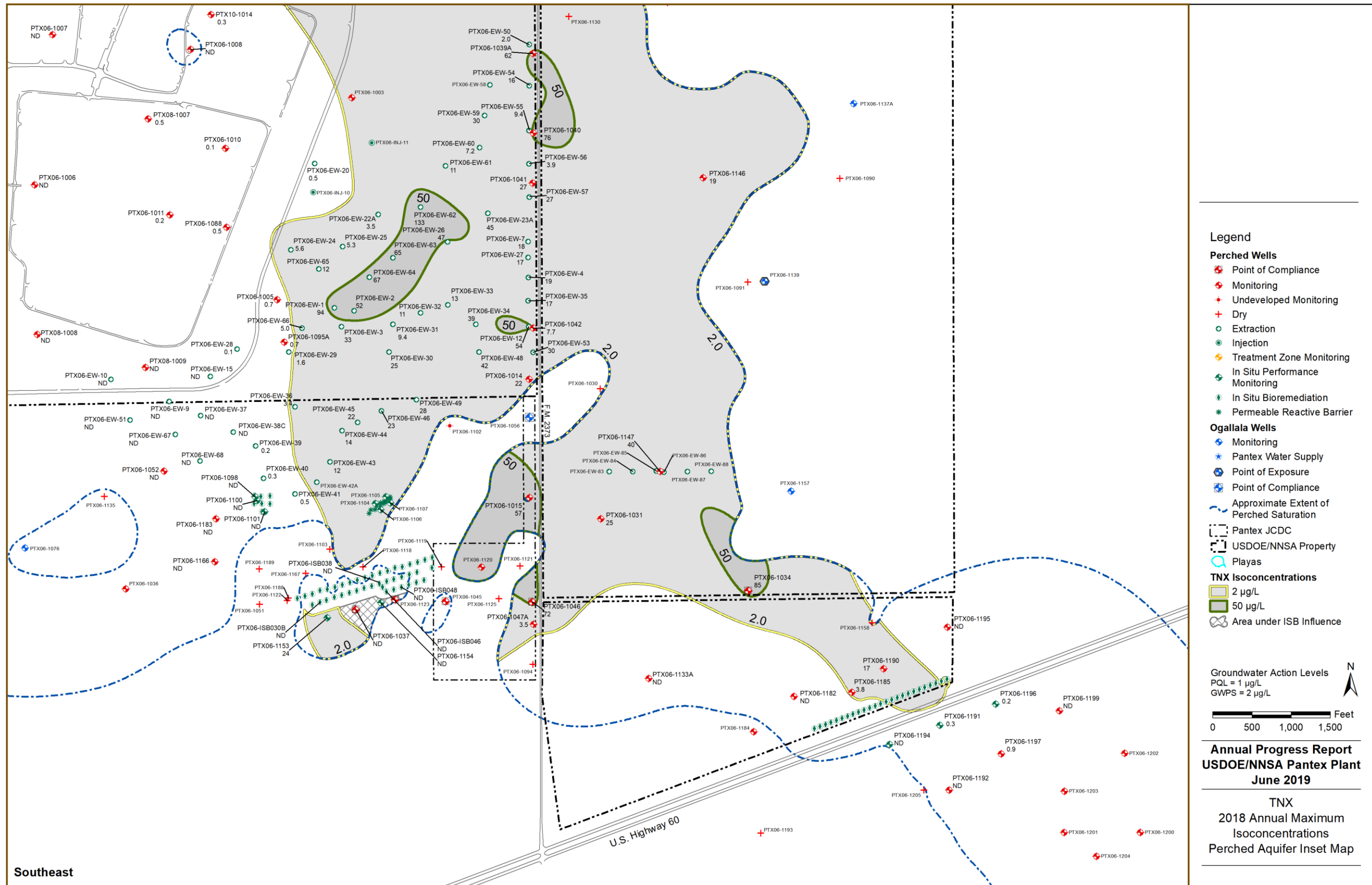
- | | | | |
|------------------------|--------------------------------|--|------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | DNX Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 2 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | Area under ISB Influence |
| Extraction | | Approximate Extent of Perched Saturation | |

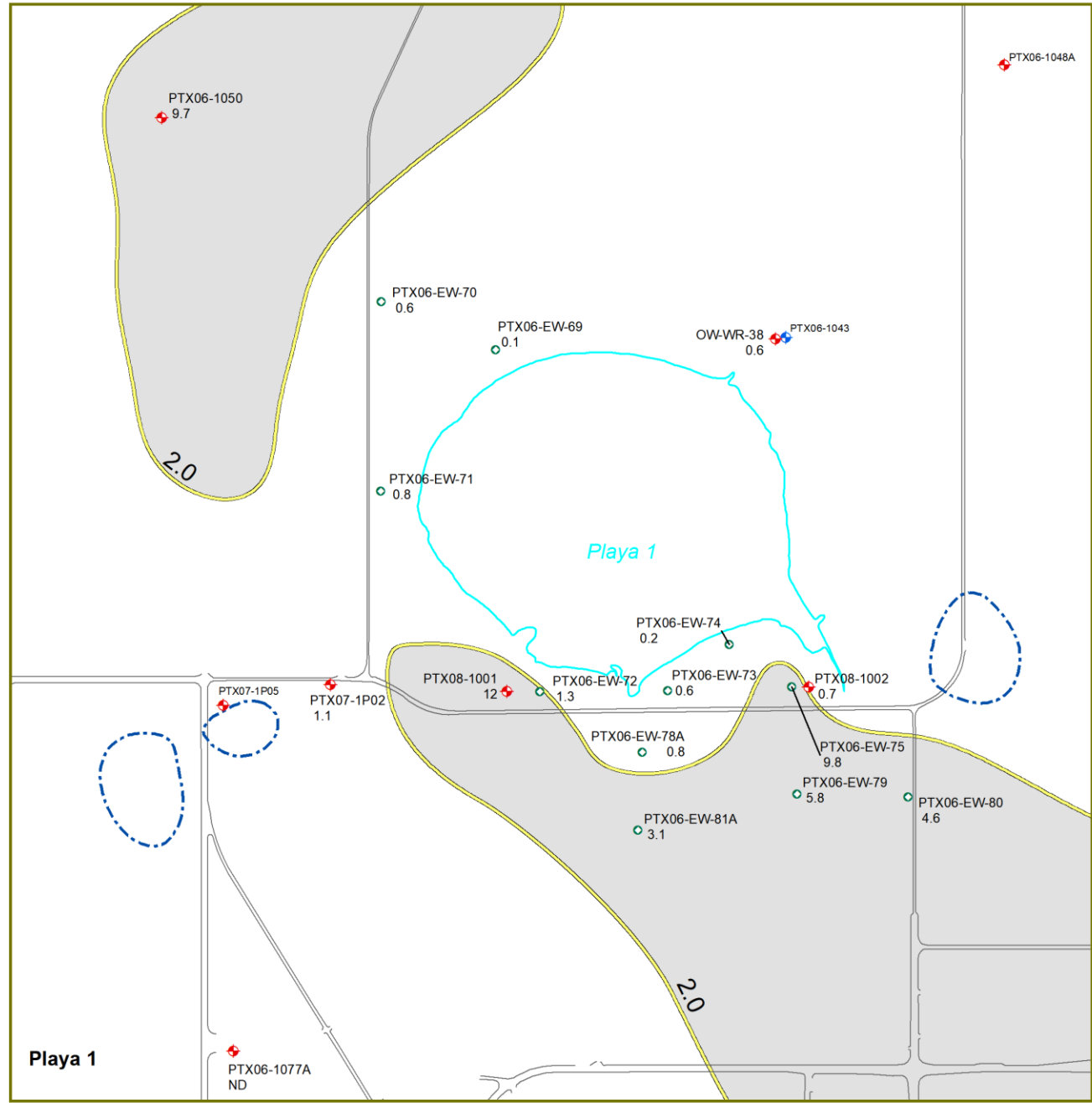
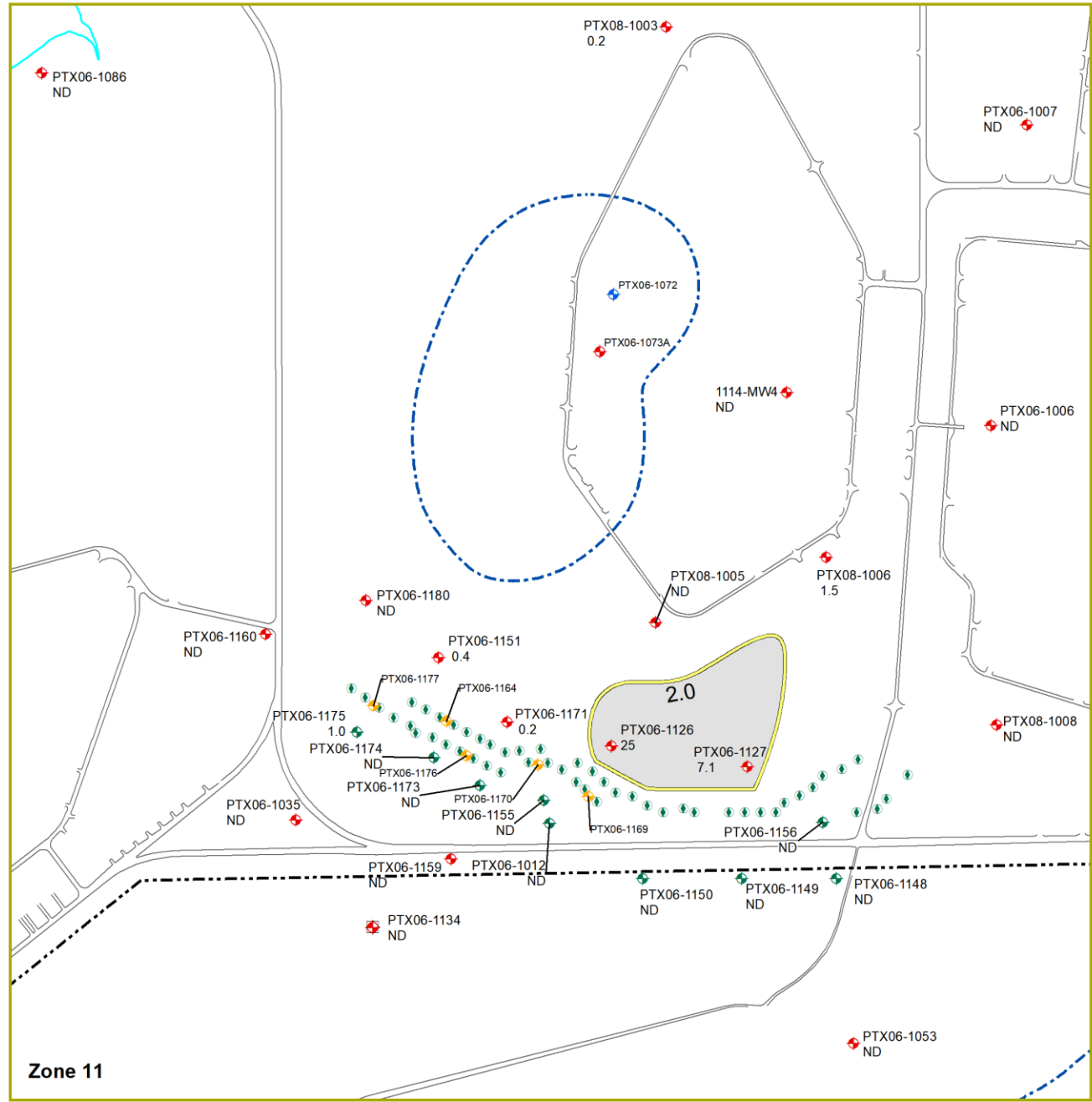


Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019

DNX
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Maps

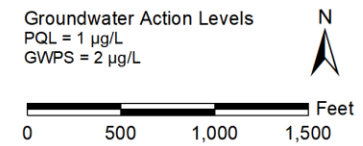






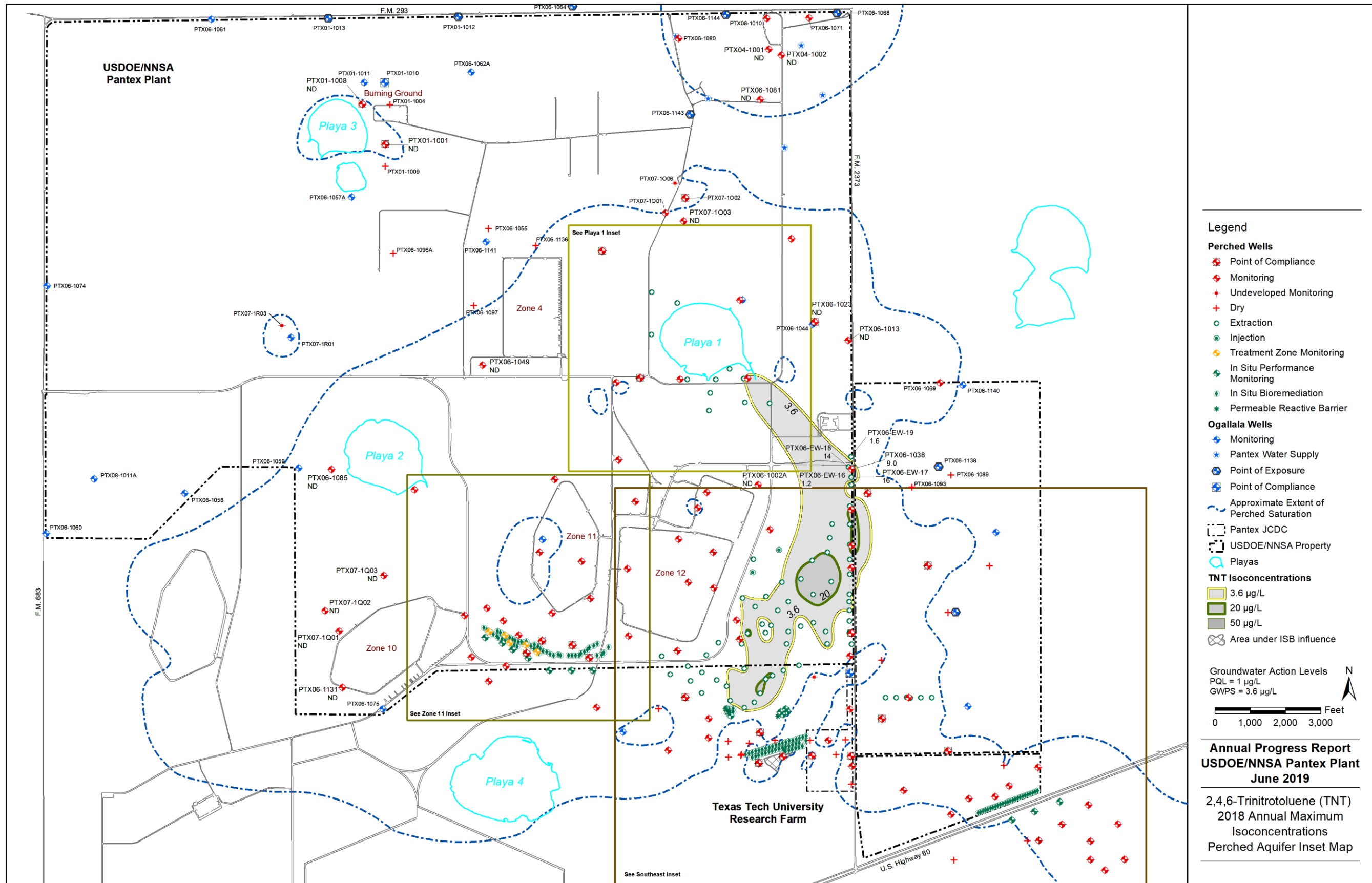
Legend

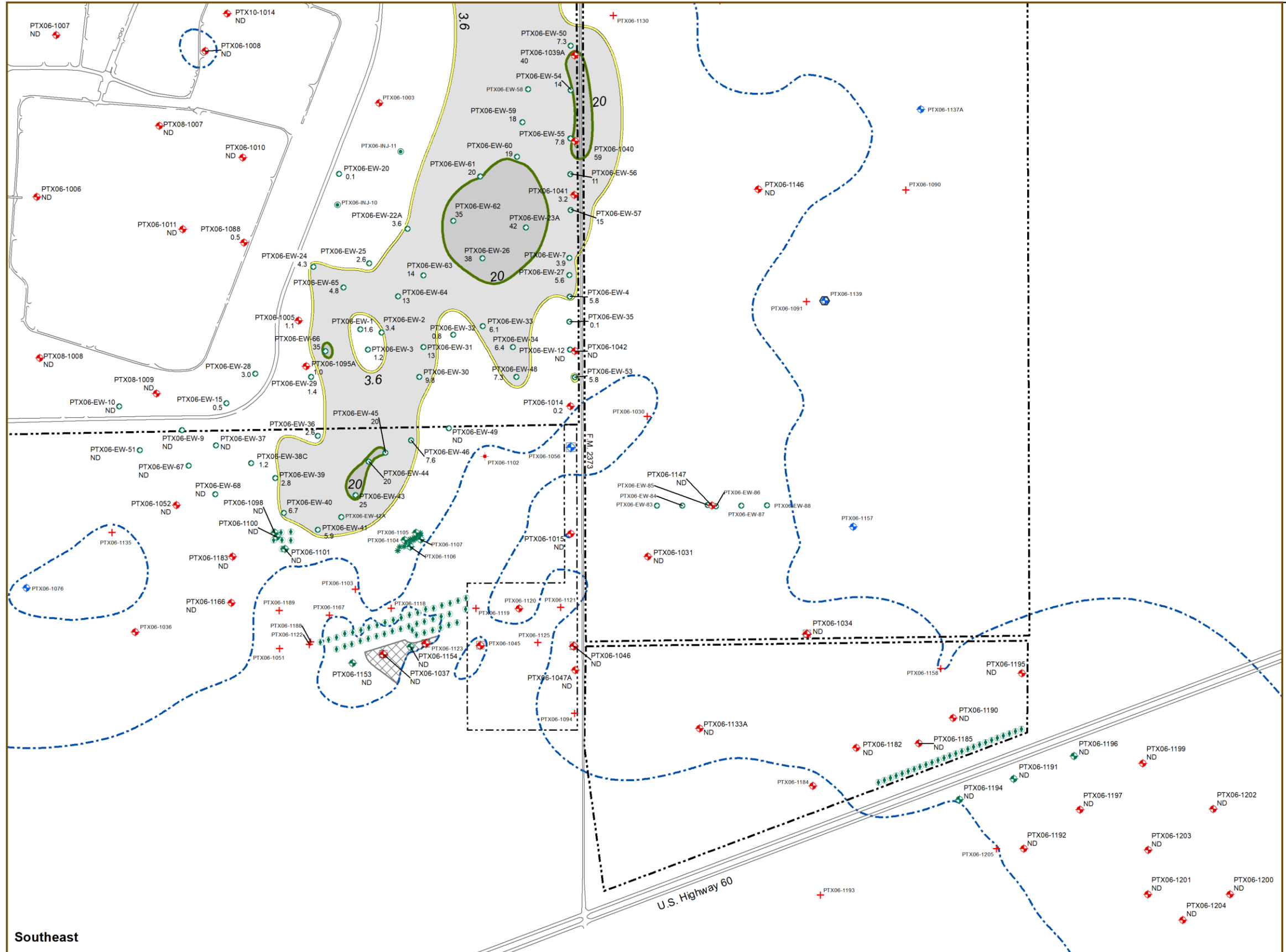
- | | | | |
|------------------------|--------------------------------|--|------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | TNX Isoconcentrations |
| 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 2019

TNX
2018 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
- * Permeable Reactive Barrier

Ogallala Wells

- ⊕ Monitoring
- ⊕ Pantex Water Supply
- ⊕ Point of Exposure
- ⊕ Point of Compliance
- ⊕ Approximate Extent of Perched Saturation
- ⊕ Pantex JCDC
- ⊕ USDOE/NNSA Property
- ⊕ Playas

TNT Isoconcentrations

- 3.6 µg/L
- 20 µg/L
- 50 µg/L
- ⊕ Area under ISB Influence

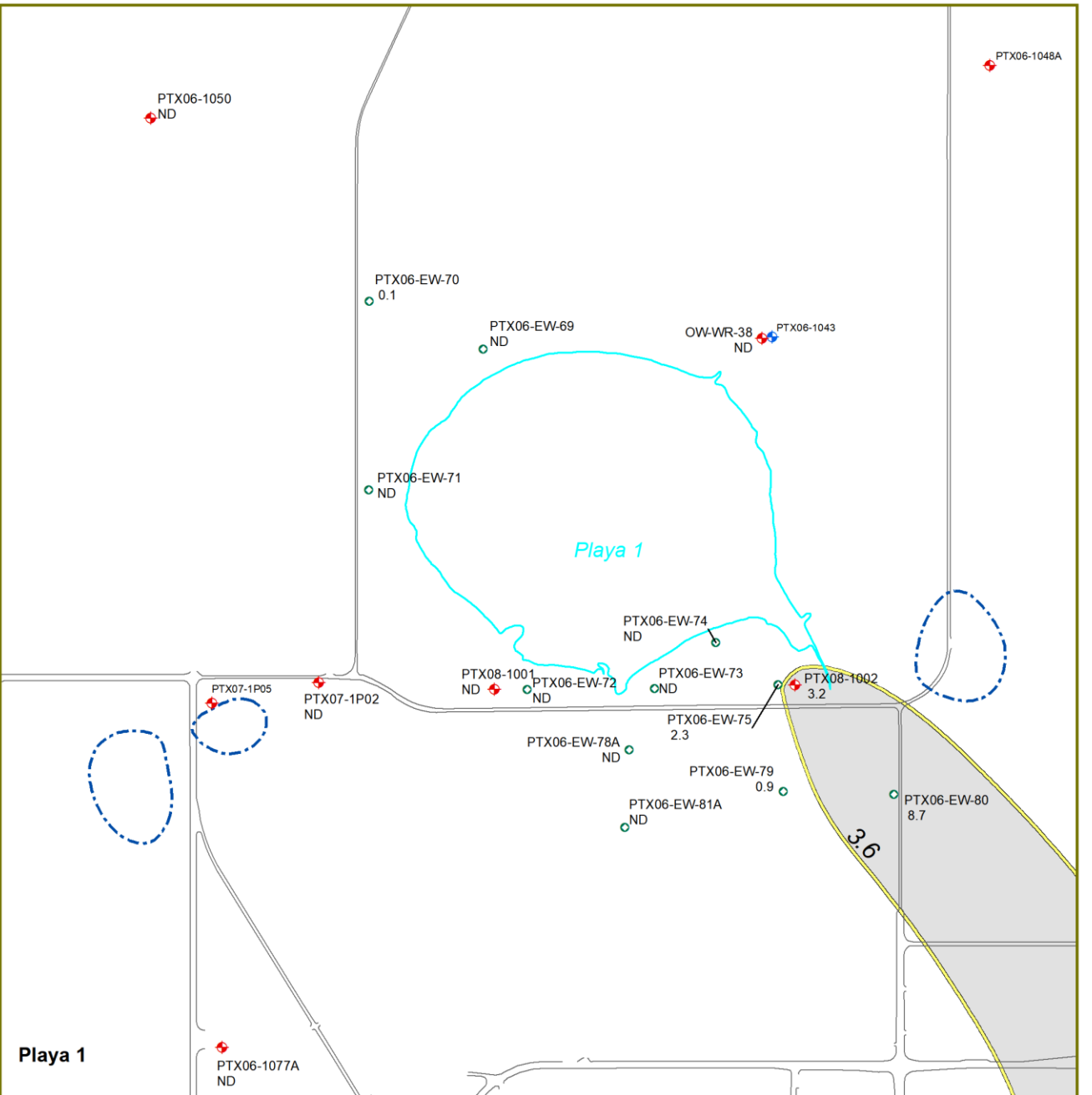
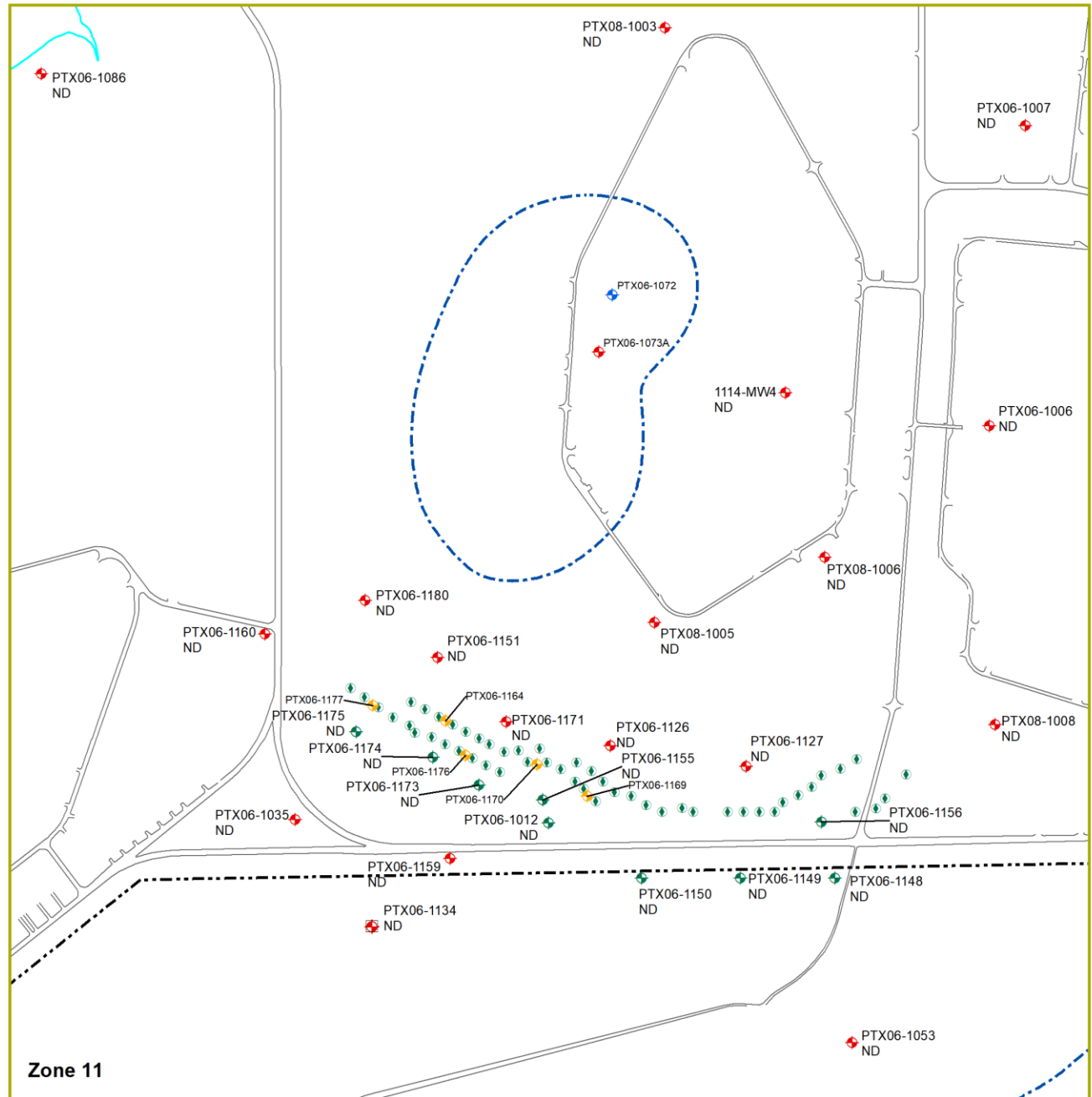
Groundwater Action Levels
 PQL = 1 µg/L
 GWPS = 3.6 µg/L

0 500 1,000 1,500 Feet

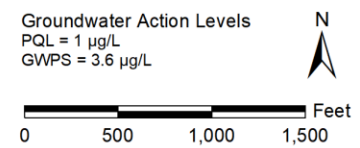
**Annual Progress Report
 USDOE/NNSA Pantex Plant
 June 2019**

2,4,6-Trinitrotoluene (TNT)
 2018 Annual Maximum
 Isoconcentrations
 Perched Aquifer Inset Map

Southeast

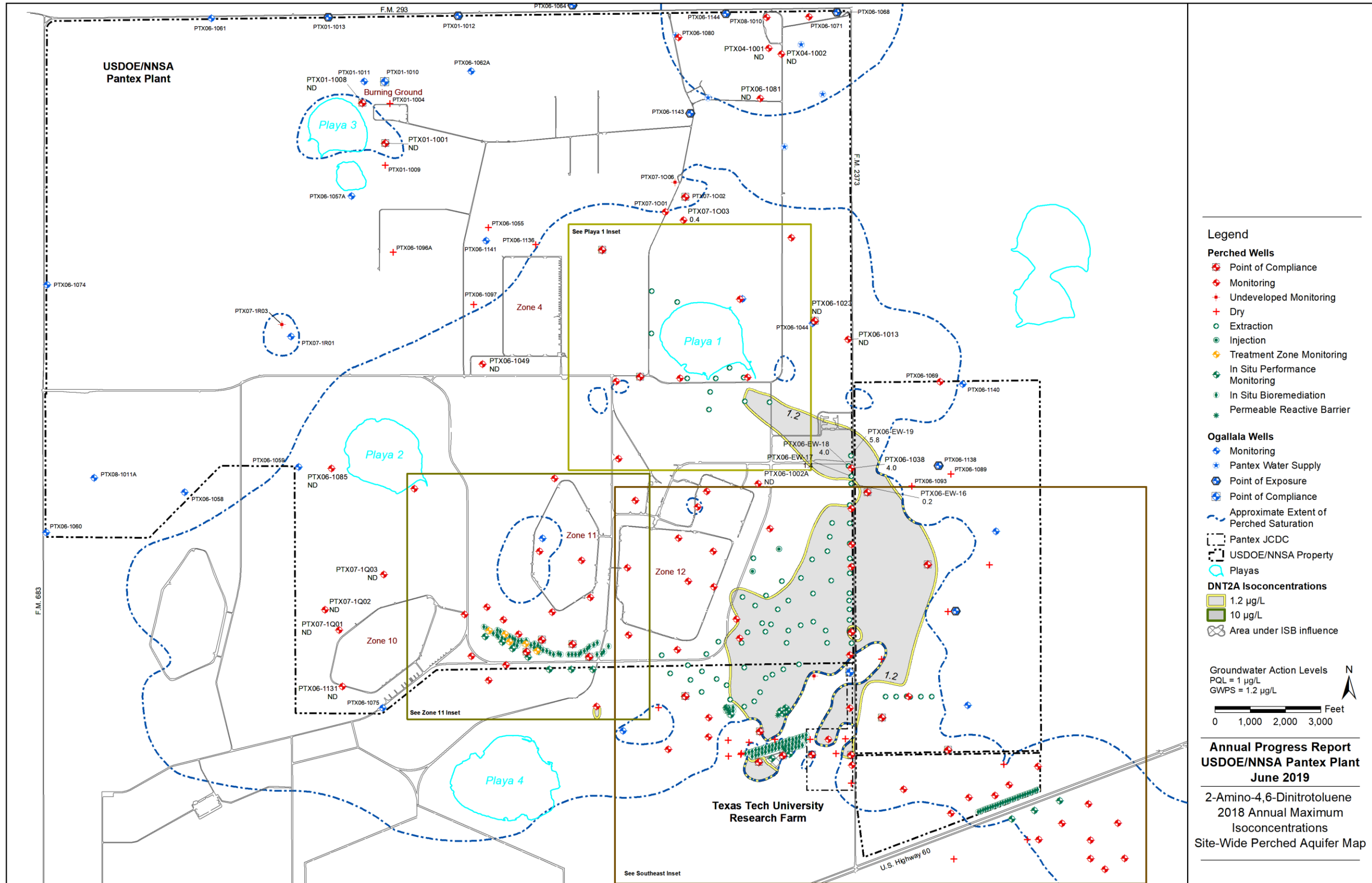


- Legend**
- | | | | |
|------------------------|--------------------------------|--|------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | TNT Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 3.6 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | 20 µg/L |
| Extraction | | Approximate Extent of Perched Saturation | 50 µg/L |
| | | | Area under ISB Influence |



**Annual Progress Report
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June 2019**

2,4,6-Trinitrotoluene (TNT)
2018 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
- Permeable Reactive Barrier

Ogallala Wells

- Monitoring
- Pantex Water Supply
- Point of Exposure
- Point of Compliance
- Approximate Extent of Perched Saturation
- Pantex JCDC
- USDOE/NNSA Property
- Plays

DNT2A Isoconcentrations

- 1.2 µg/L
- 10 µg/L
- Area under ISB influence

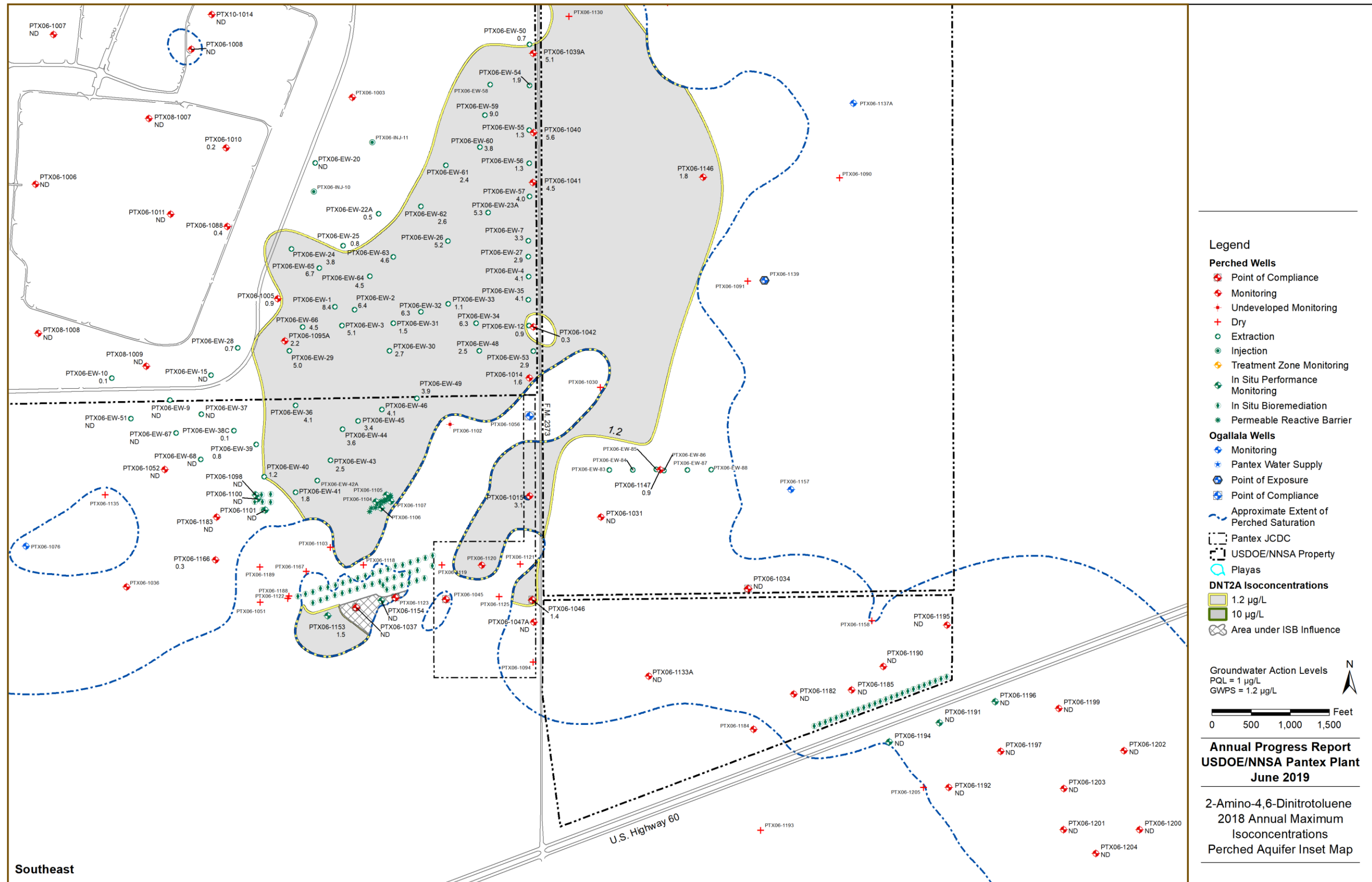
Groundwater Action Levels

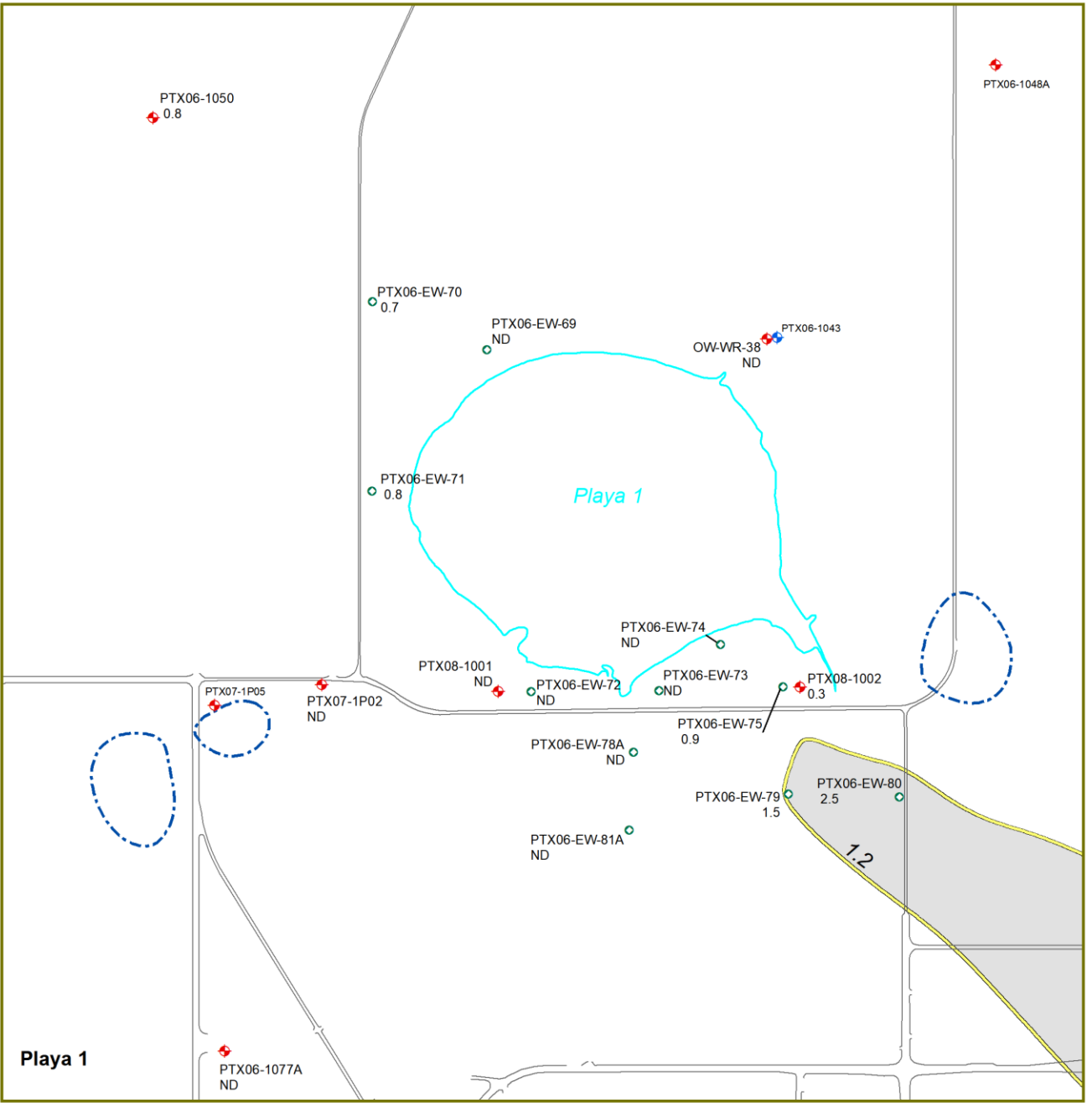
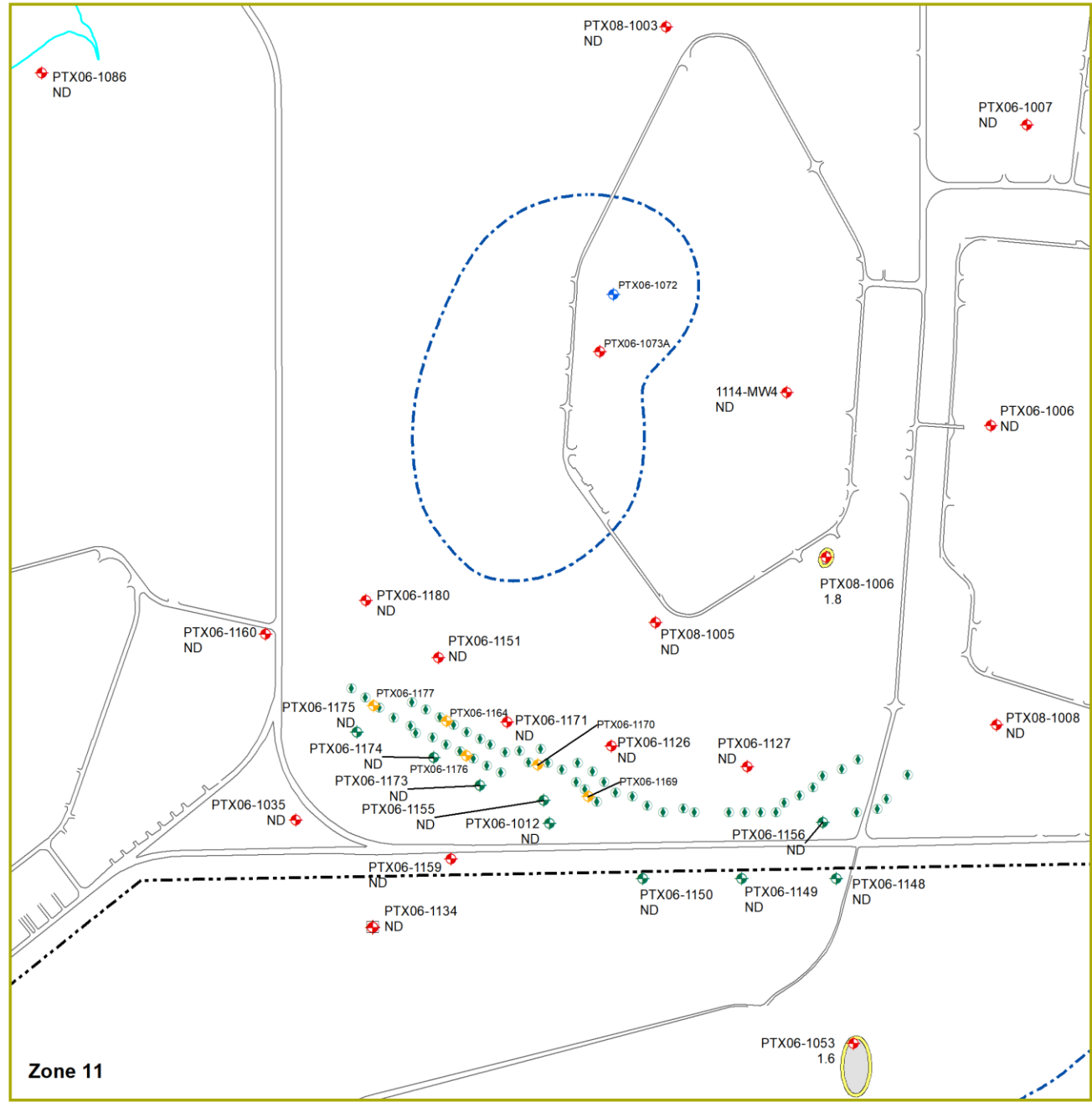
PQL = 1 µg/L
GWPS = 1.2 µg/L

0 1,000 2,000 3,000 Feet

**Annual Progress Report
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June 2019**

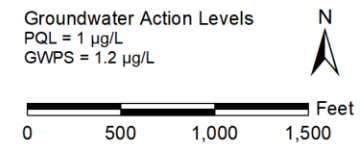
2-Amino-4,6-Dinitrotoluene
2018 Annual Maximum
Isoconcentrations
Site-Wide Perched Aquifer Map





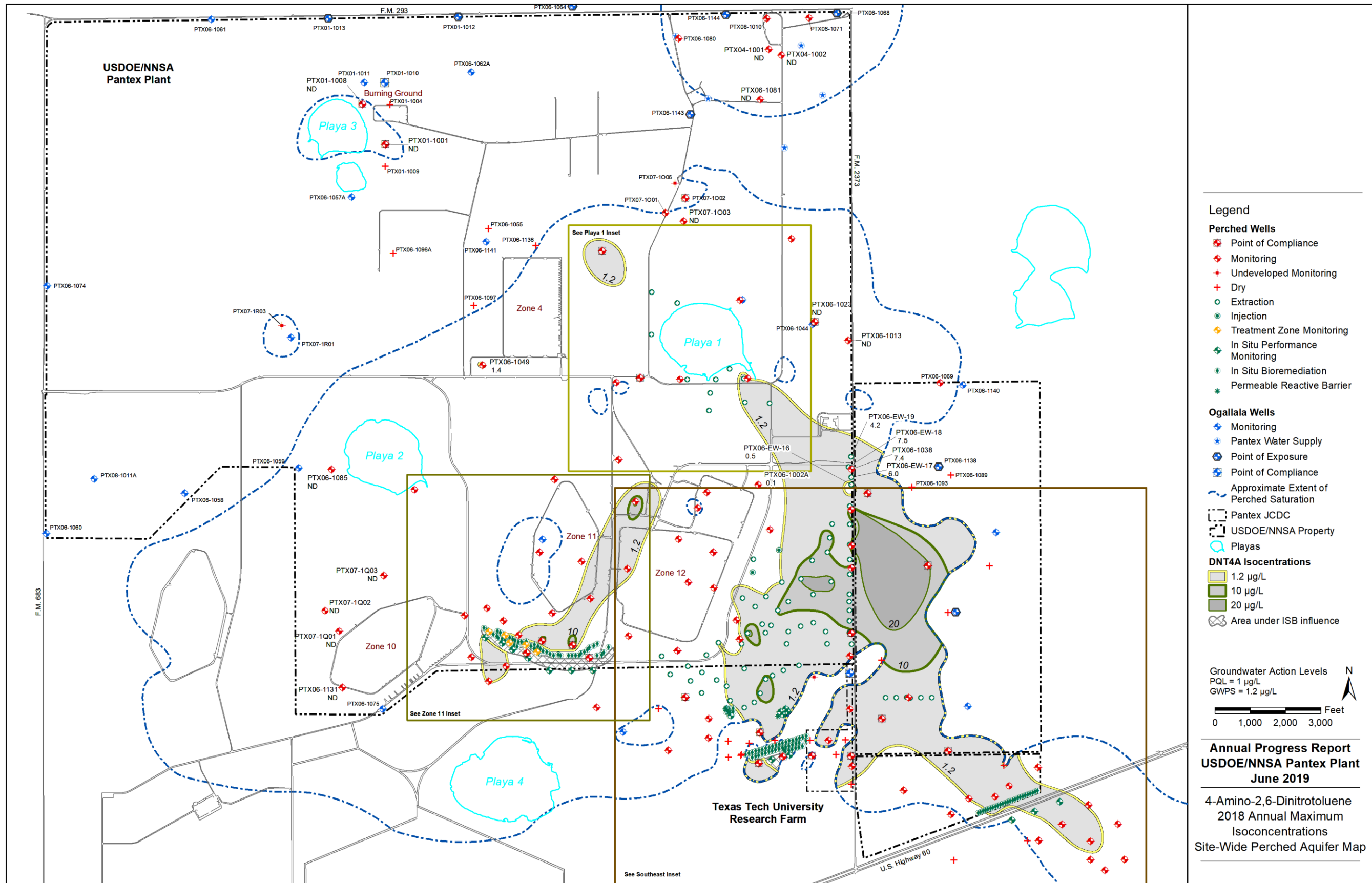
Legend

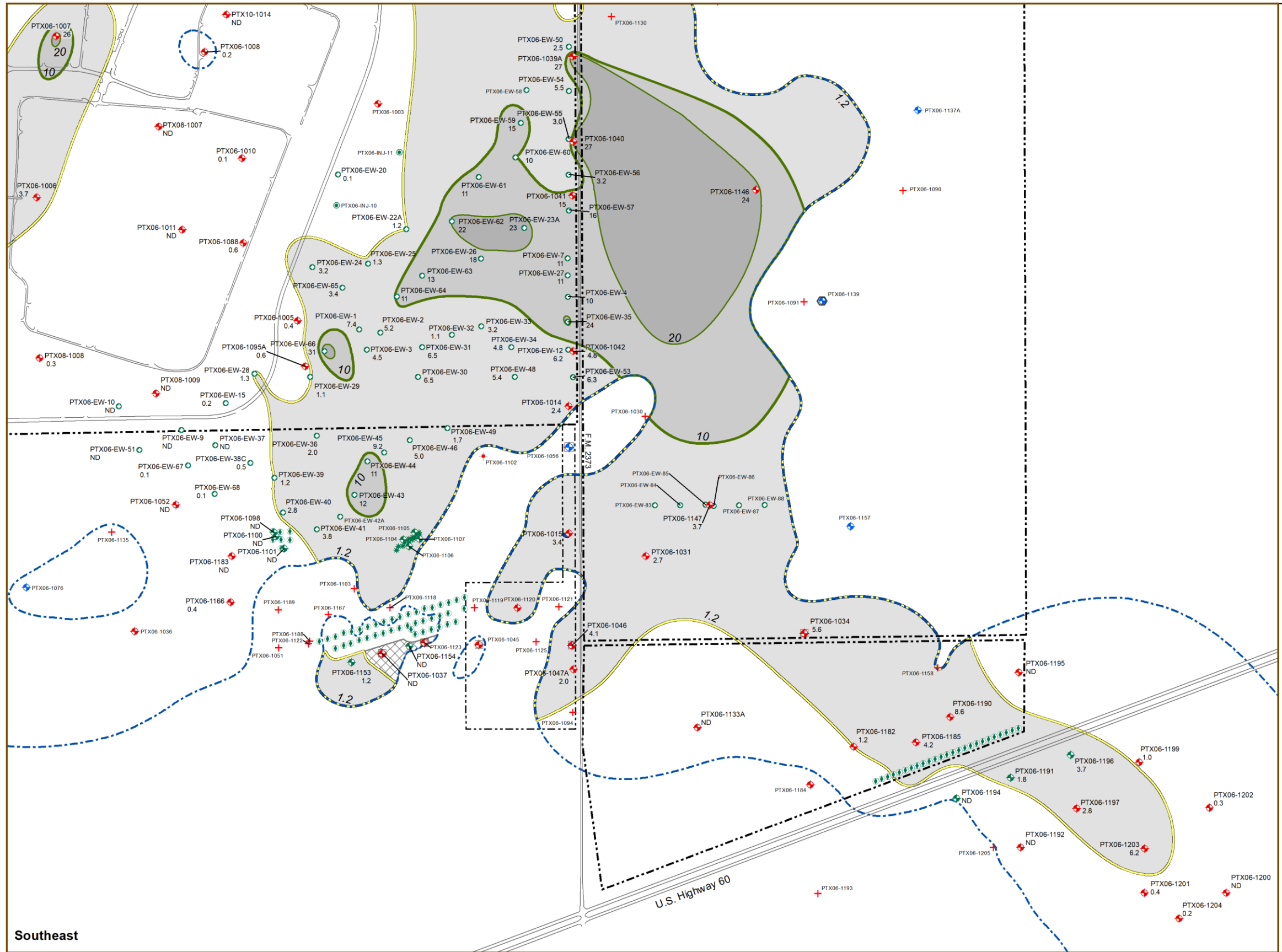
- | | | | |
|------------------------|--------------------------------|--|--------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | DNT2A Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 1.2 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | 10 µg/L |
| Extraction | | Approximate Extent of Perched Saturation | Area under ISB Influence |



Annual Progress Report
 USDOE/NNSA Pantex Plant
 June 2019

2-Amino-4,6-Dinitrotoluene
 2018 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
- ⊕ Permeable Reactive Barrier

Ogallala Wells

- ⊕ Monitoring
- ⊕ Pantex Water Supply
- ⊕ Point of Exposure
- ⊕ Point of Compliance
- ⊕ Approximate Extent of Perched Saturation
- ⊕ Pantex JCDC
- ⊕ USDOE/NNSA Property
- ⊕ Playas

DNT4A Isoconcentrations

- 1.2 µg/L
- 10 µg/L
- 20 µg/L
- Area under ISB Influence

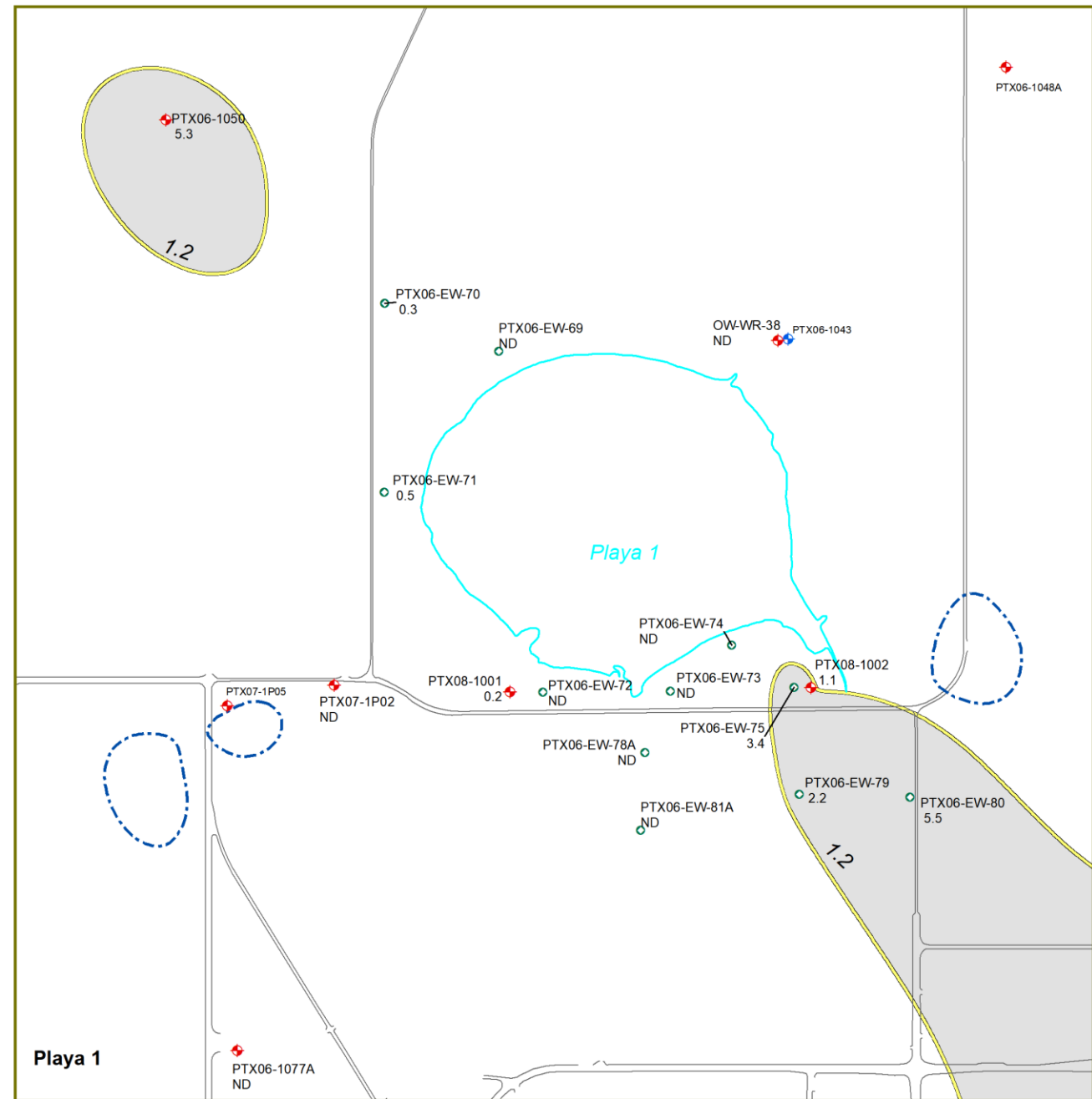
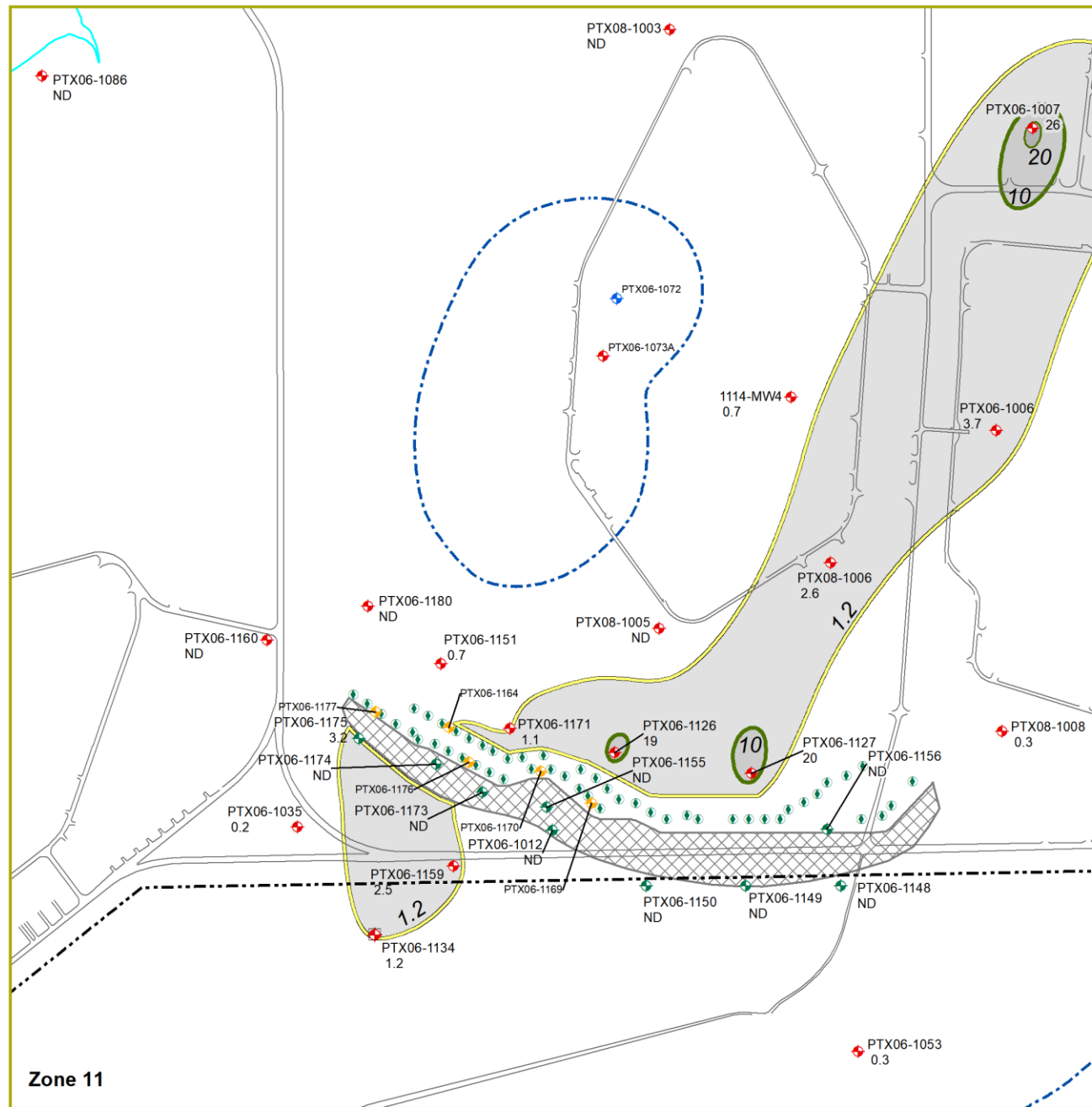
Groundwater Action Levels
 PQL = 1 µg/L
 GWPS = 1.2 µg/L

0 500 1,000 1,500 Feet

**Annual Progress Report
 USDOE/NNSA Pantex Plant
 June 2019**

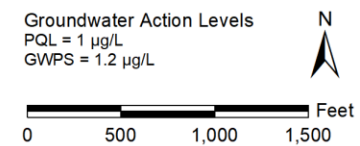
**4-Amino-2,6-Dinitrotoluene
 2018 Annual Maximum
 Isoconcentrations
 Perched Aquifer Inset Map**

Southeast



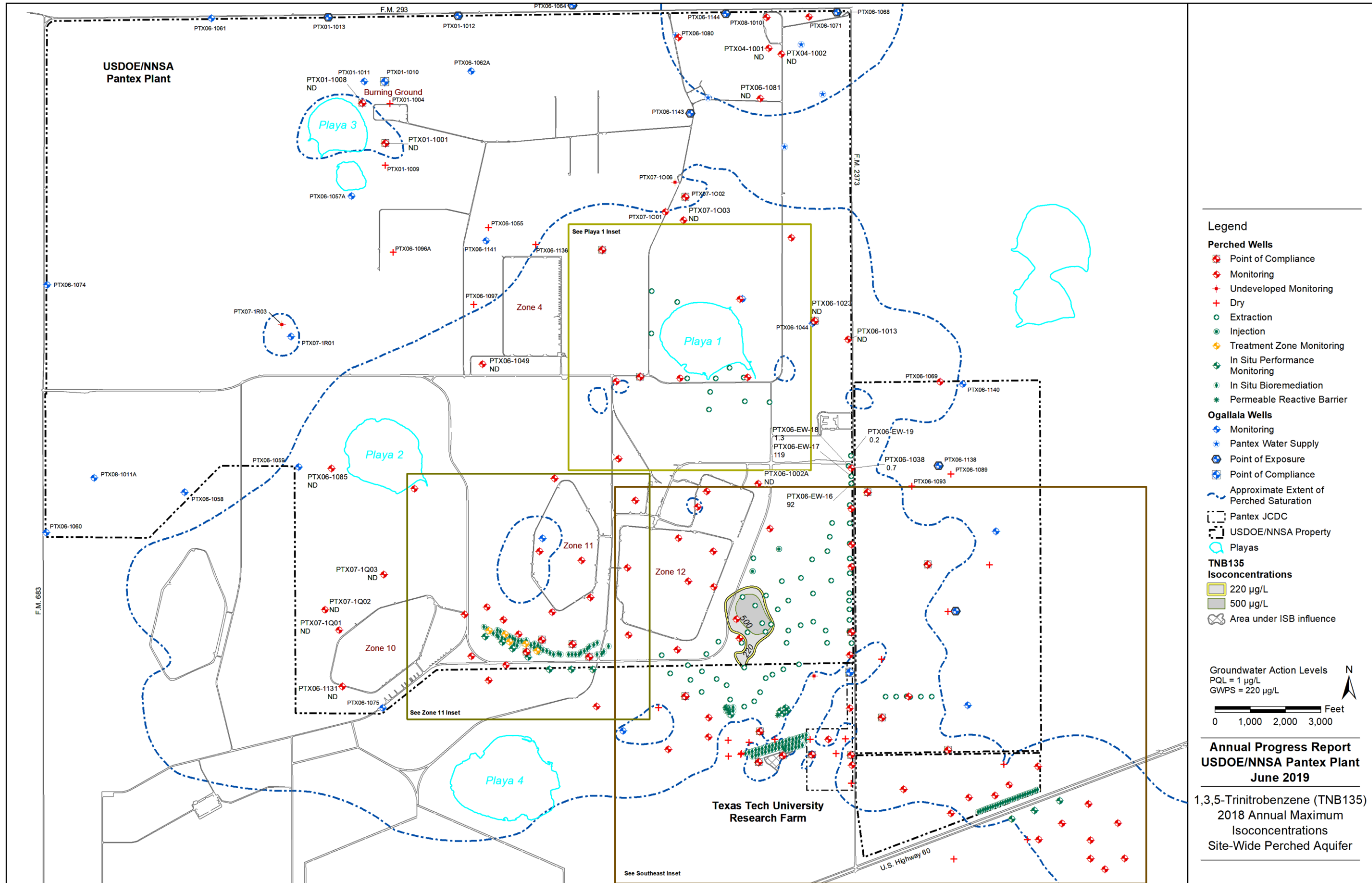
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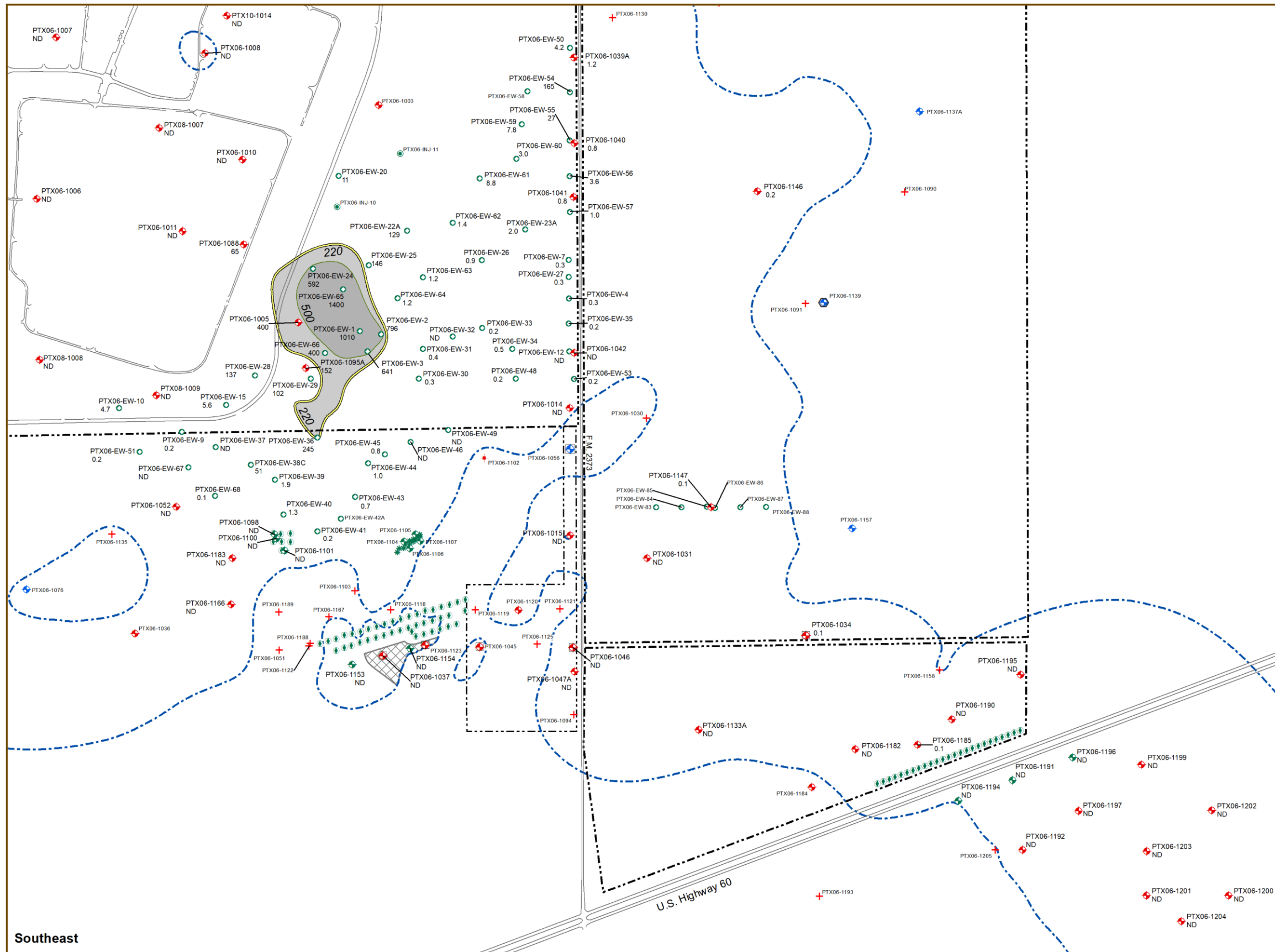
- | | | | |
|------------------------|--------------------------------|--|--------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | DNT4A Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 1.2 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | 10 µg/L |
| Extraction | | Approximate Extent of Perched Saturation | 20 µg/L |
| | | | Area under ISB Influence |



**Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019**

4-Amino-2,6-Dinitrotoluene
2018 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
- Permeable Reactive Barrier

Ogallala Wells

- Monitoring
- Pantex Water Supply
- Point of Exposure
- Point of Compliance

Approximate Extent of Perched Saturation

Pantex JCDC

USDOE/NNSA Property

Playas

TNB135 Isoconcentrations

- 220 µg/L
- 500 µg/L

Area under ISB Influence

Groundwater Action Levels

PQL = 1 µg/L

GWPS = 220 µg/L

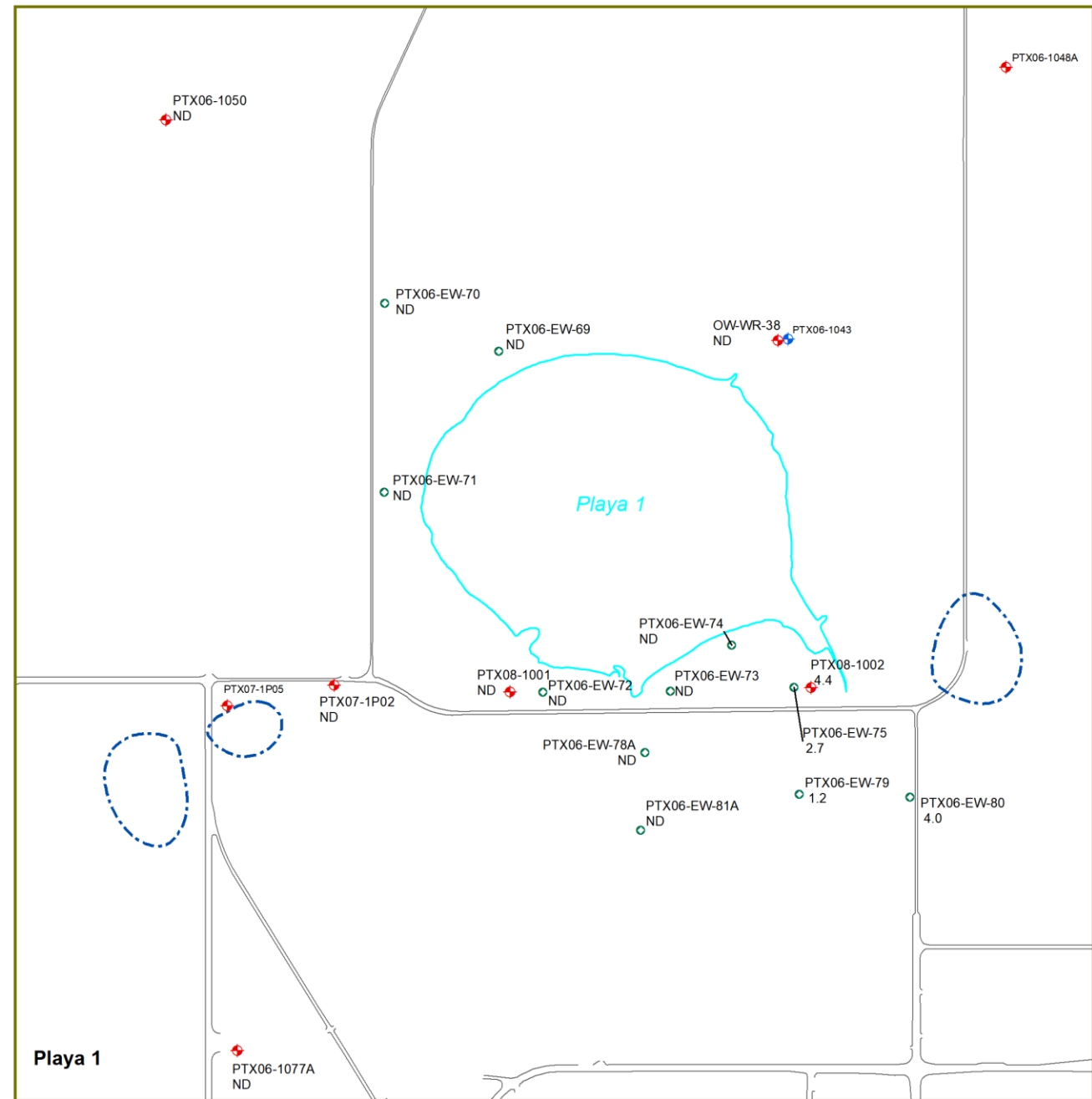
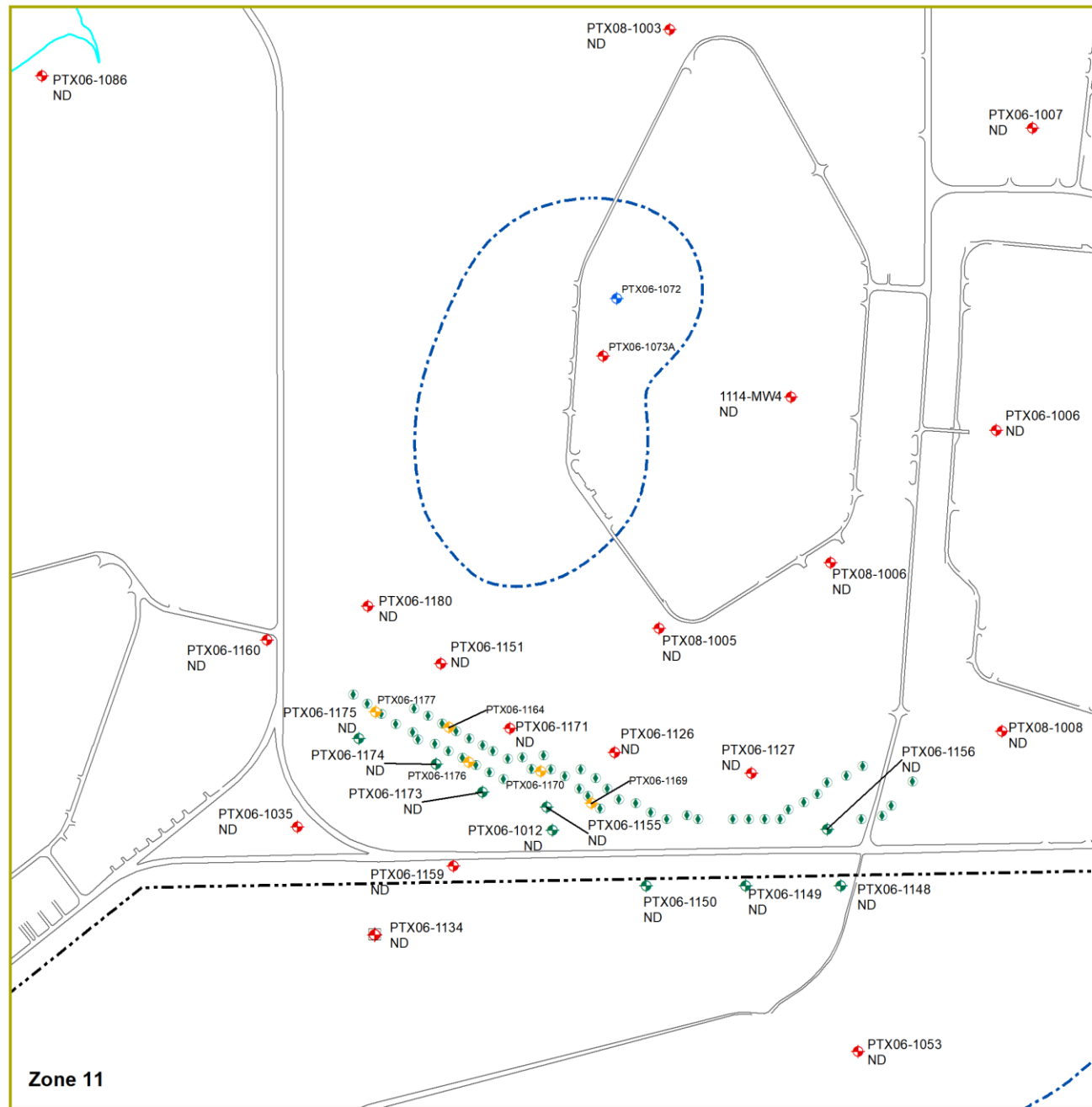
0 500 1,000 1,500 Feet

**Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019**

1,3,5-Trinitrobenzene (TNB135)
2018 Annual Maximum
Isoconcentrations
Site-Wide Perched Aquifer

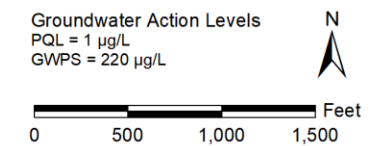
Southeast

U.S. Highway 60



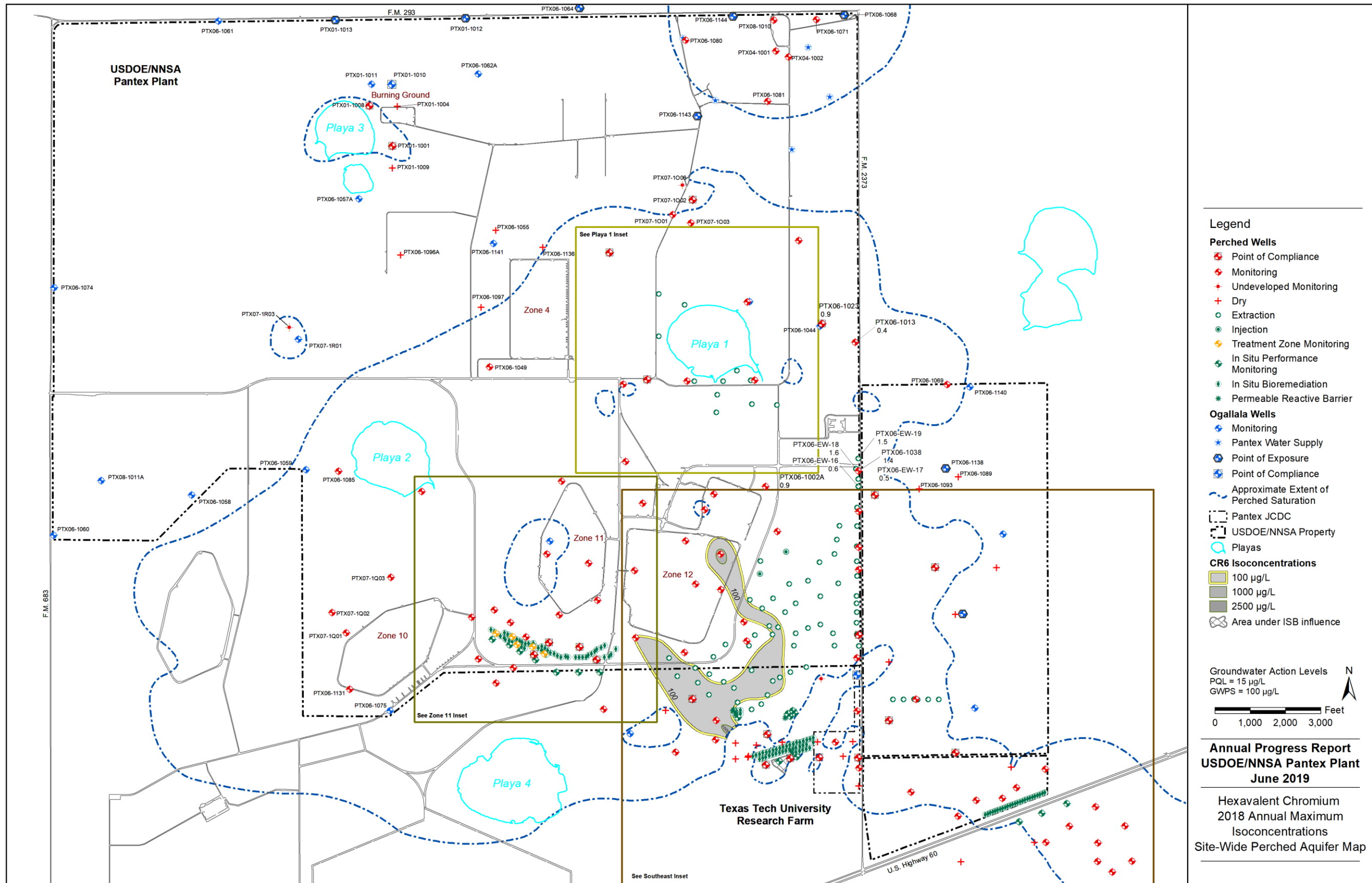
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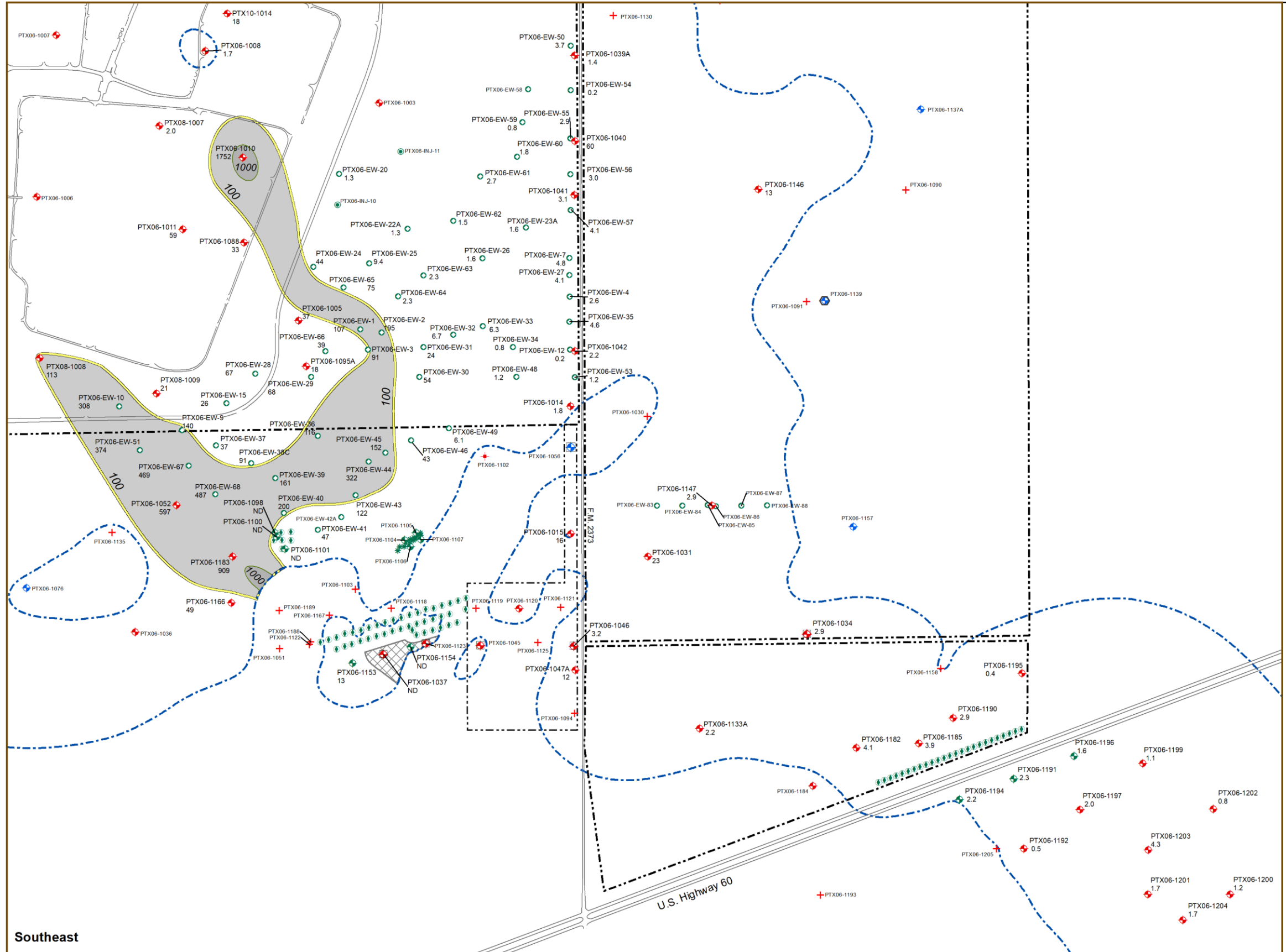
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|------------------------|--------------------------------|--|---------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | TNB135 Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 220 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | 500 µg/L |
| Extraction | | Approximate Extent of Perched Saturation | Area under ISB Influence |



Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019

1,3,5-Trinitrobenzene (TNB135)
2018 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
- ⊕ Permeable Reactive Barrier

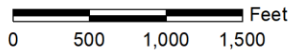
Ogallala Wells

- ⊕ Monitoring
- ⊕ Pantex Water Supply
- ⊕ Point of Exposure
- ⊕ Point of Compliance
- ⊕ Approximate Extent of Perched Saturation
- ⊕ Pantex JCDC
- ⊕ USDOE/NNSA Property
- ⊕ Playas

CR6 Isoconcentrations

- 100 µg/L
- 1000 µg/L
- 2500 µg/L
- Area under ISB Influence

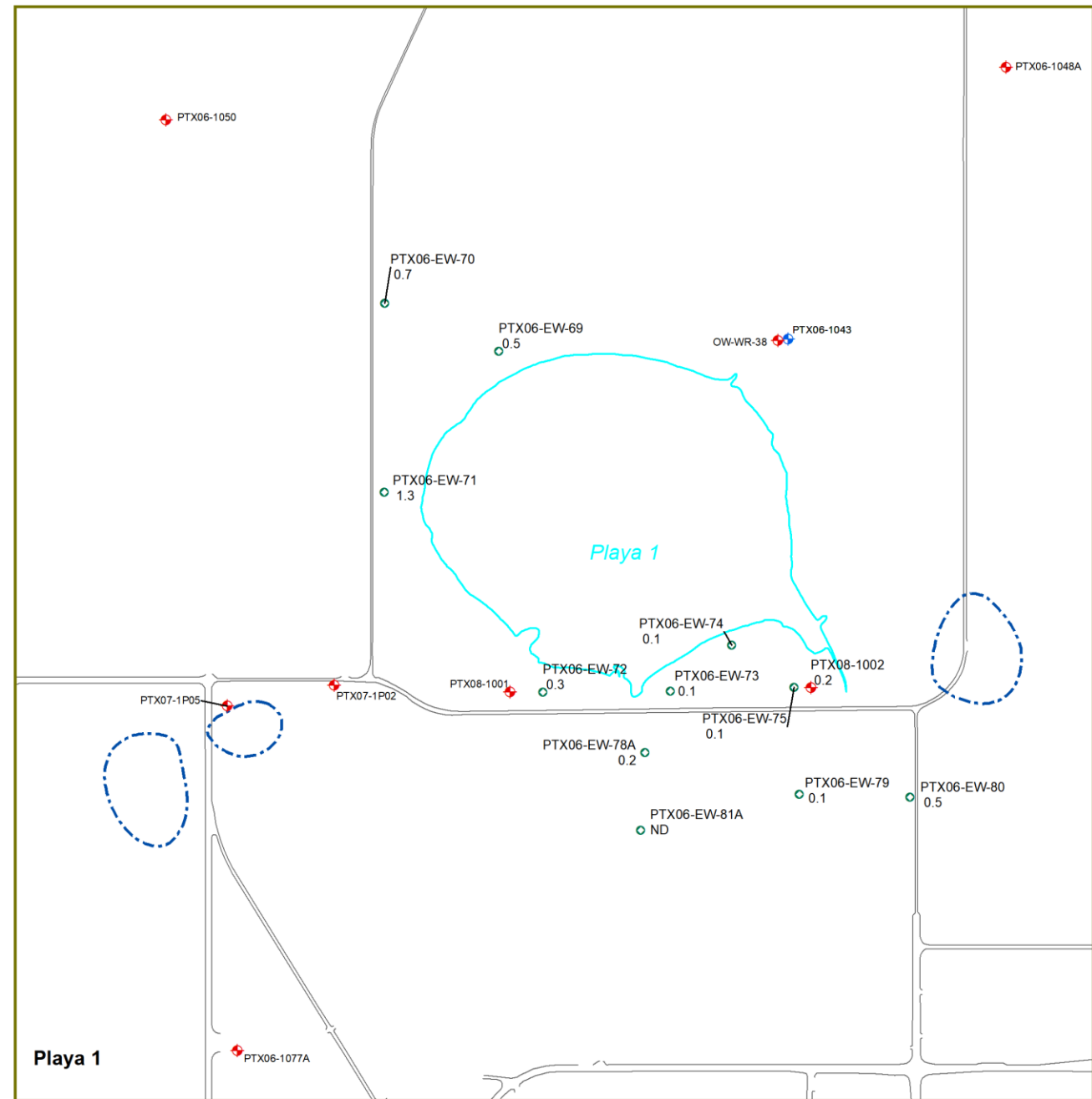
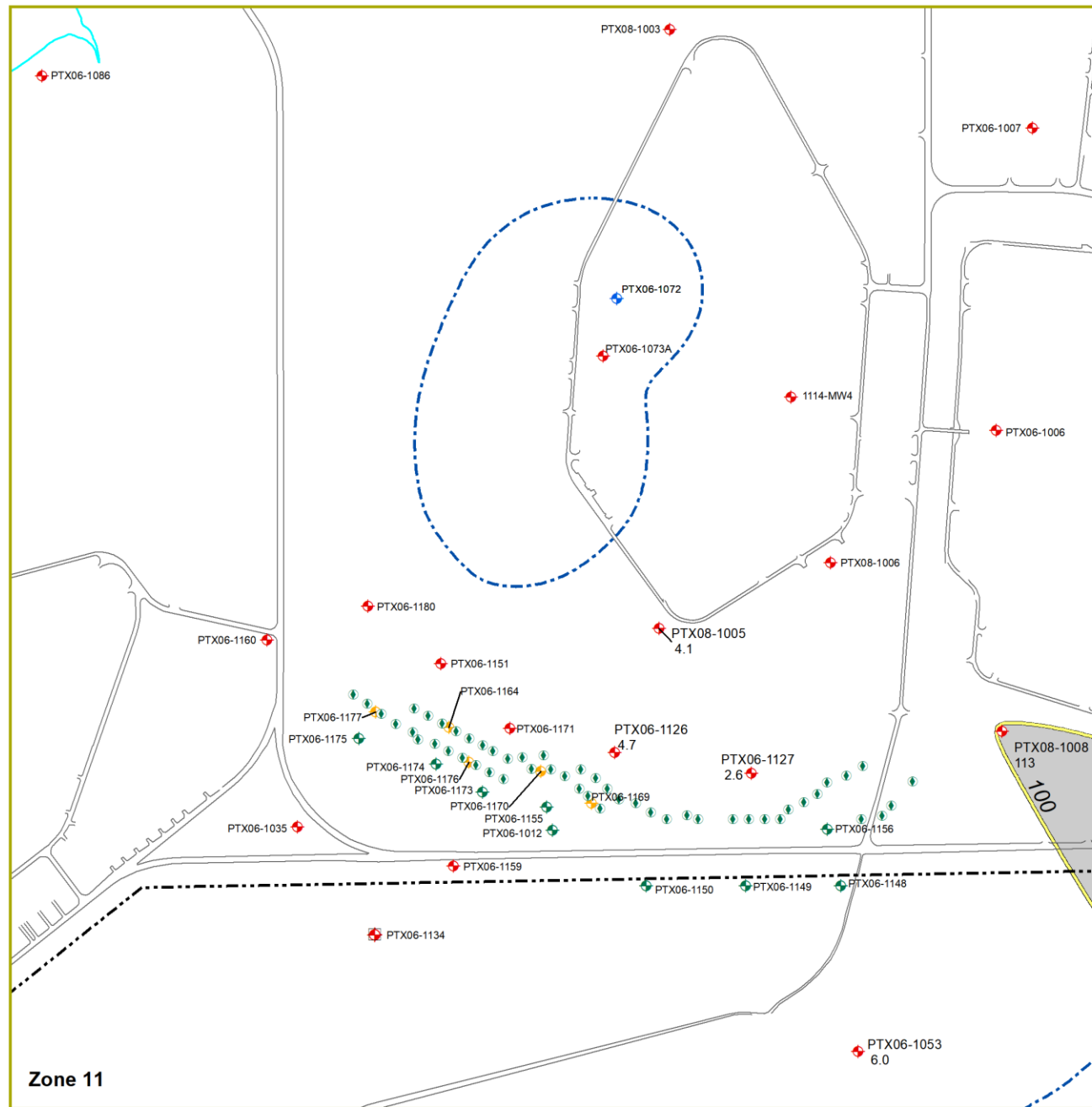
Groundwater Action Levels
 PQL = 15 µg/L
 GWPS = 100 µg/L



**Annual Progress Report
 USDOE/NNSA Pantex Plant
 June 2019**

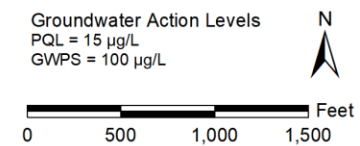
Hexavalent Chromium
 2018 Annual Maximum
 Isoconcentrations
 Perched Aquifer Inset Map

Southeast



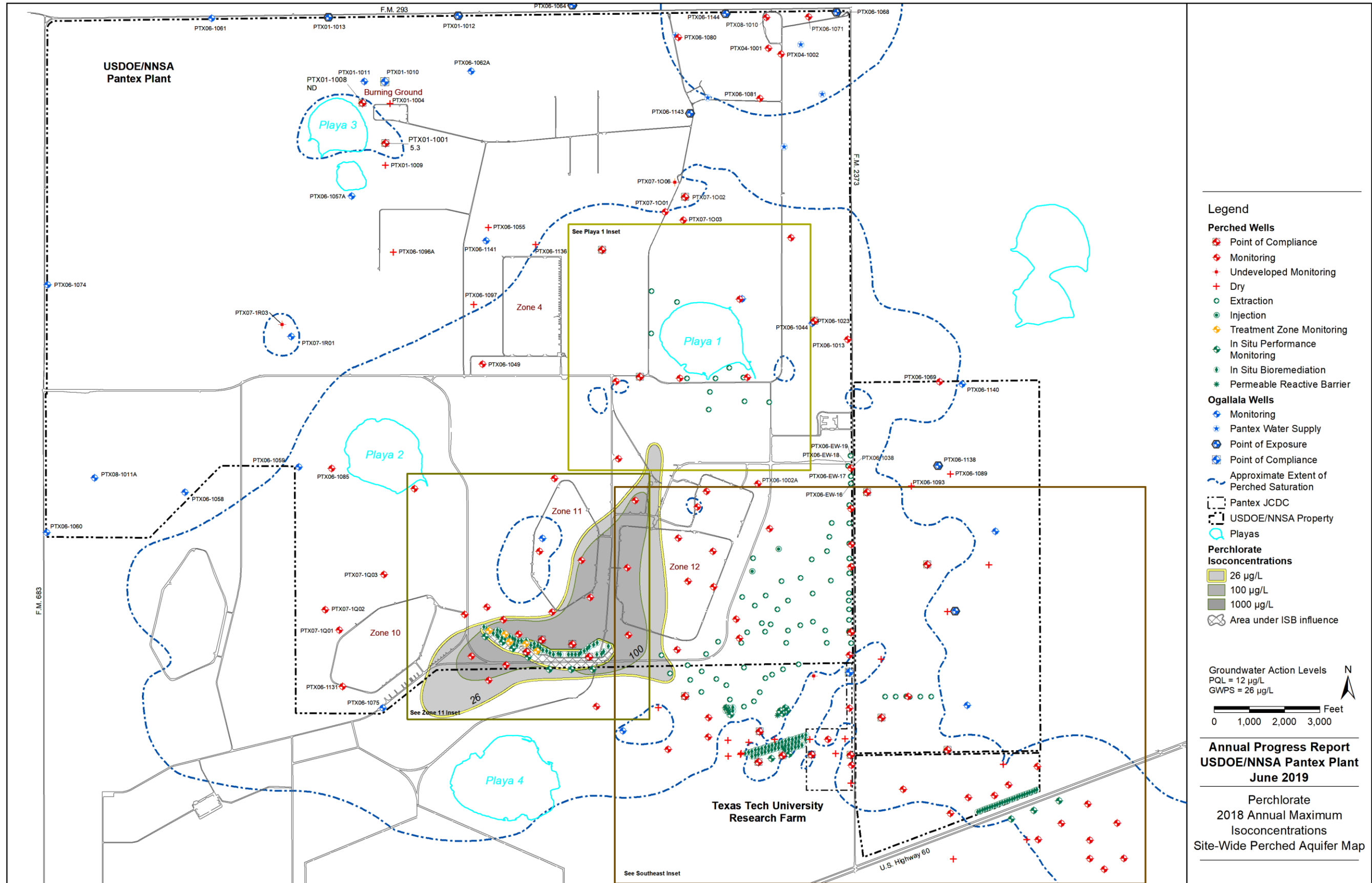
Legend

- | | | | |
|------------------------|--------------------------------|--|------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | CR6 Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 100 µg/L |
| Dry | Permeable Reactive Barrier | 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 2019

Hexavalent Chromium
2018 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
- Permeable Reactive Barrier

Ogallala Wells

- Monitoring
- Pantex Water Supply
- Point of Exposure
- Point of Compliance
- Approximate Extent of Perched Saturation

Other Symbols

- Pantex JCDC
- USDOE/NNSA Property
- Playas

Perchlorate Isoconcentrations

- 26 µg/L
- 100 µg/L
- 1000 µg/L
- Area under ISB influence

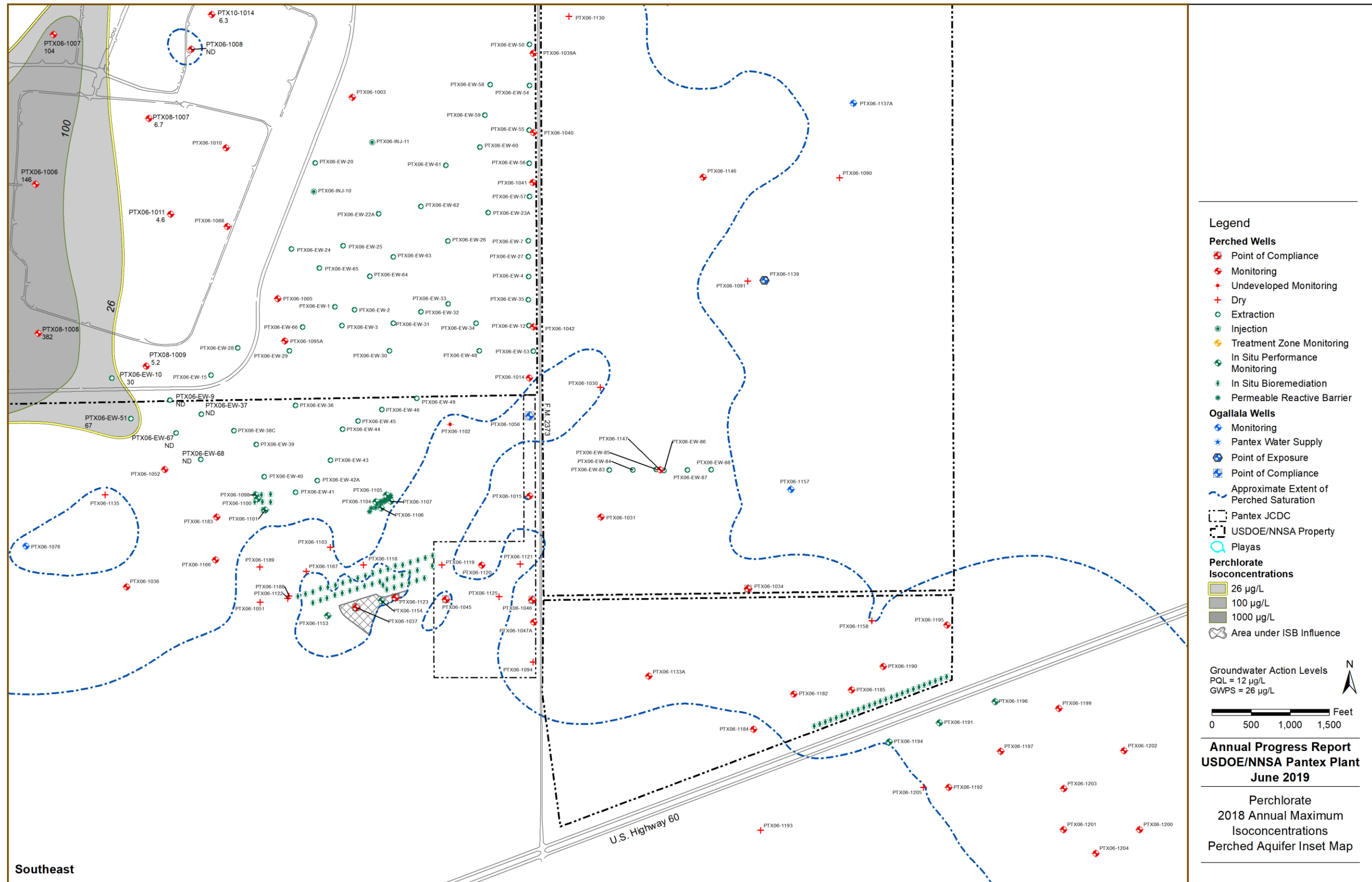
Groundwater Action Levels

- PQL = 12 µg/L
- GWPS = 26 µg/L

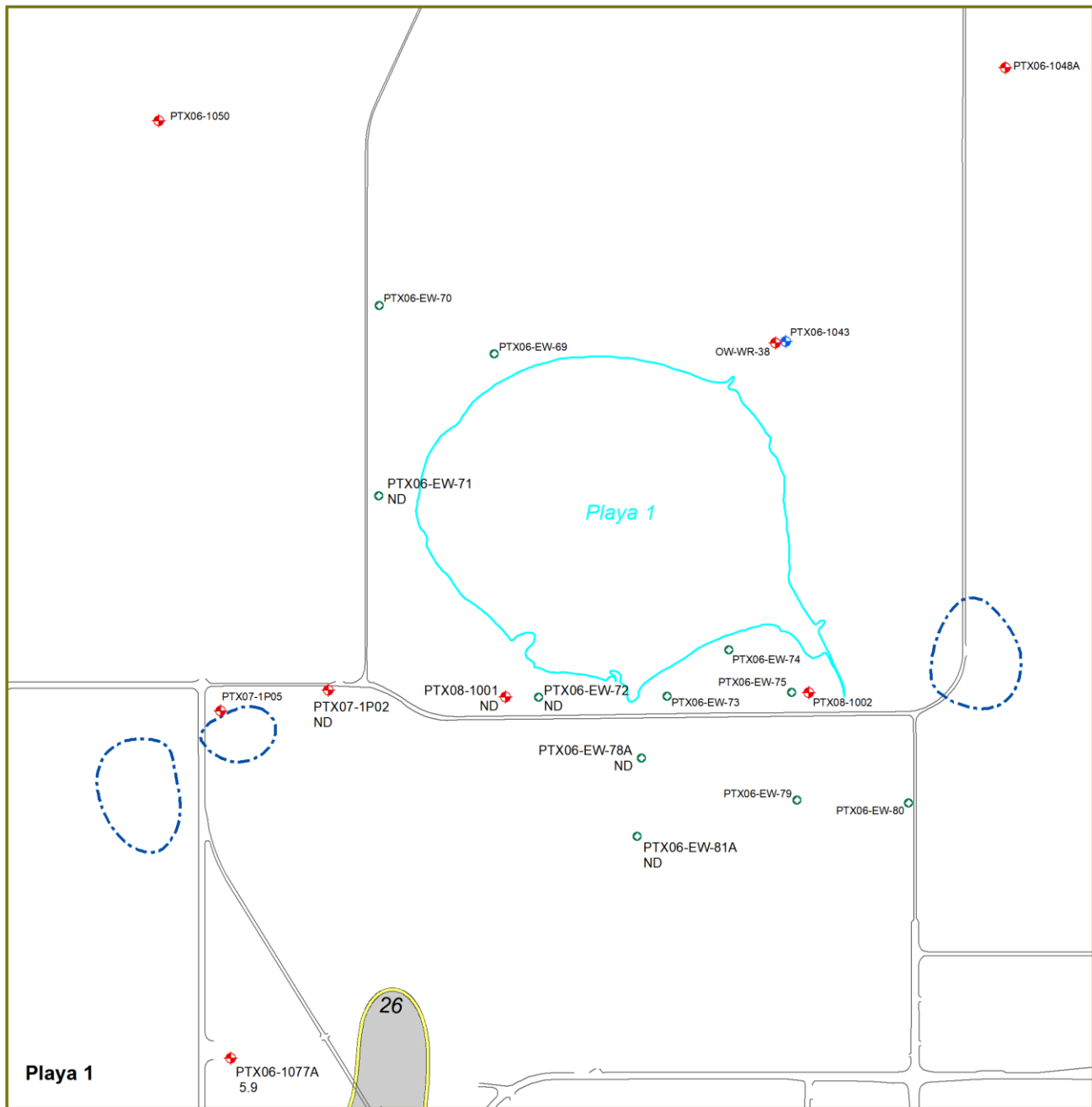
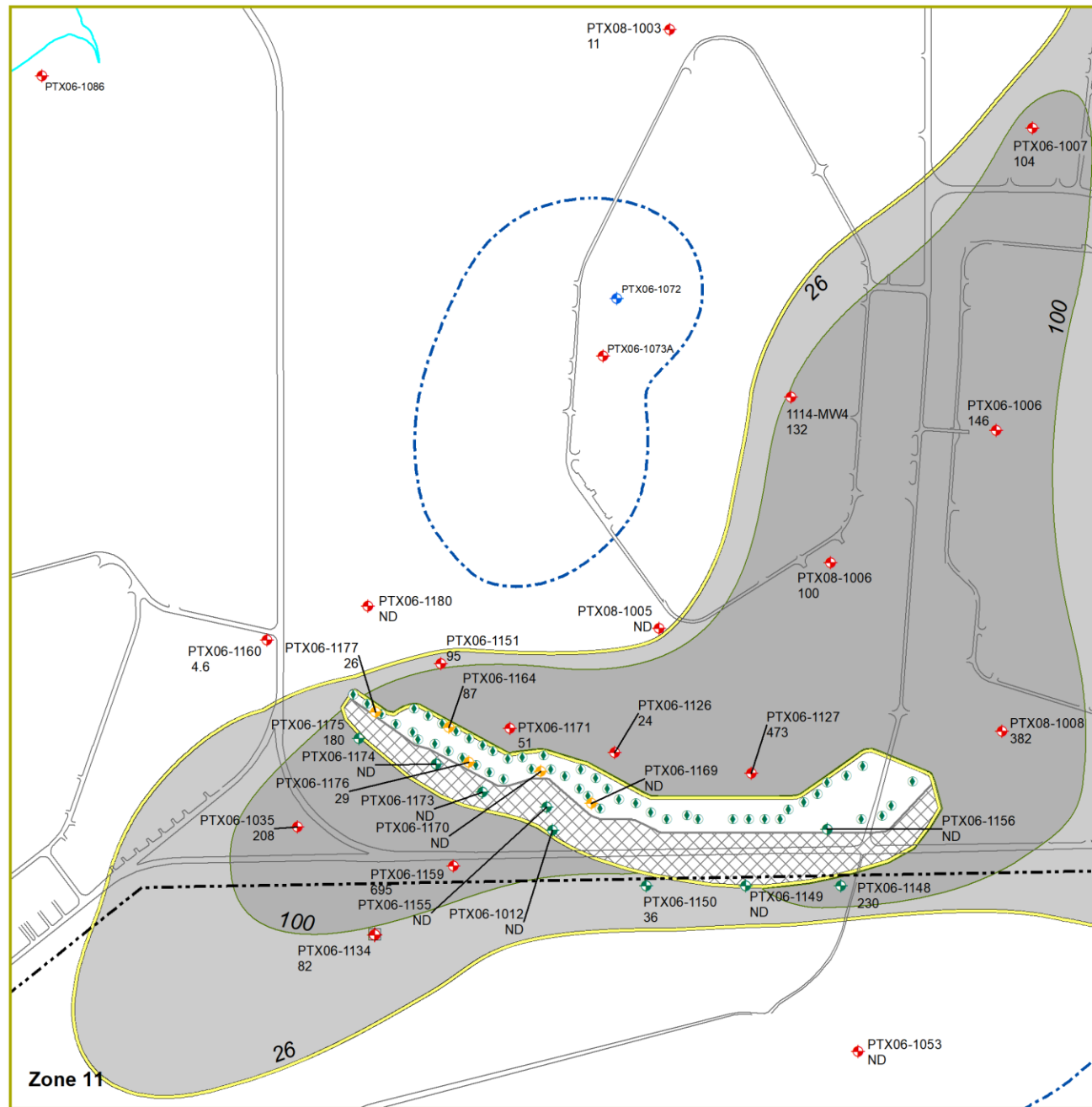
Scale: 0, 1,000, 2,000, 3,000 Feet

**Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019**

**Perchlorate
2018 Annual Maximum
Isoconcentrations
Site-Wide Perched Aquifer Map**

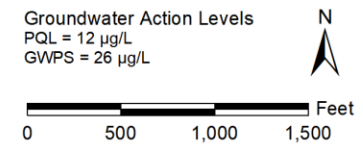


Southeast



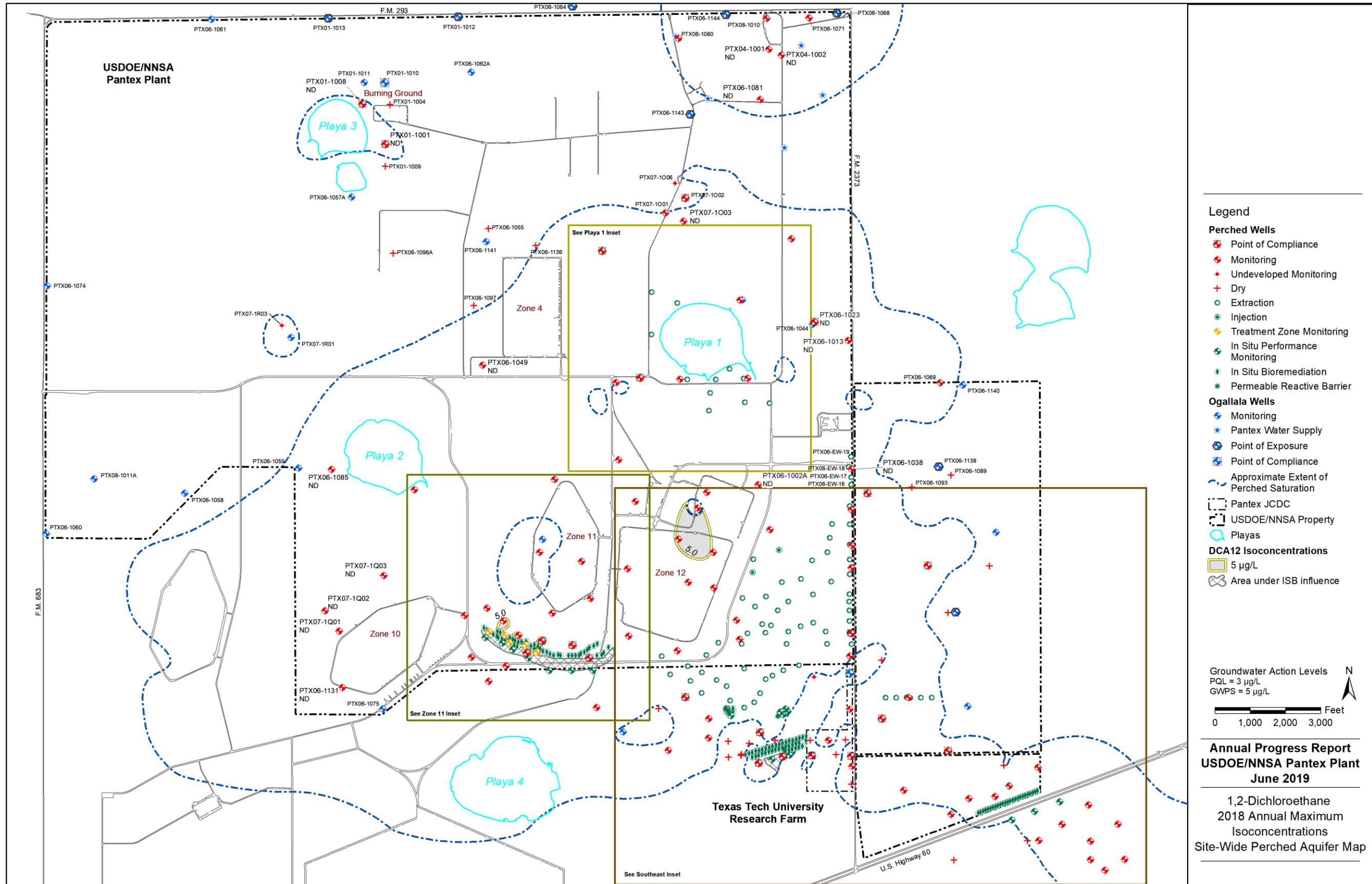
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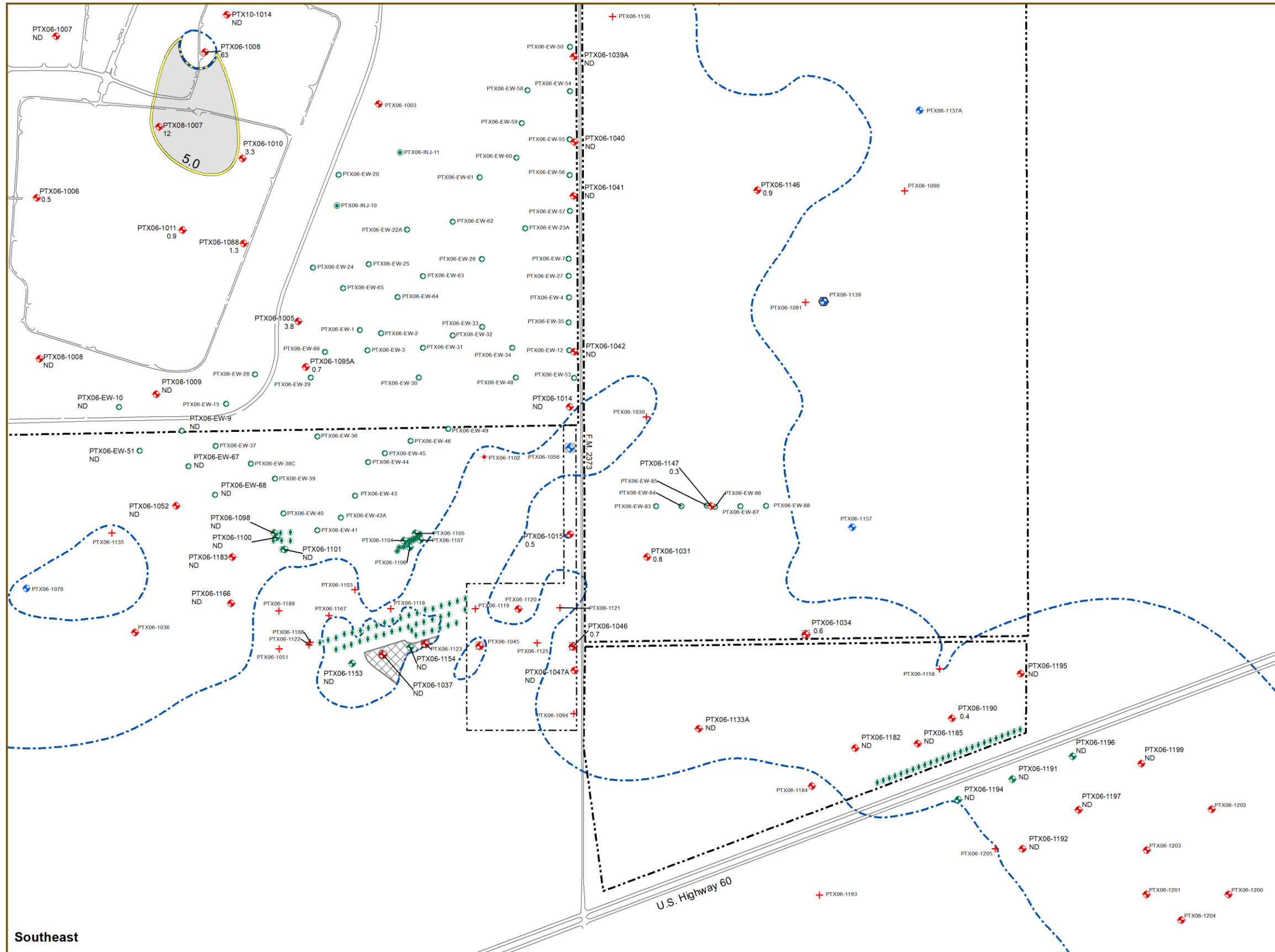
- | | | | |
|--------------------------|----------------------------------|--|--------------------------------------|
| Perched Wells | ● Injection | Ogallala Wells | ▨ USDOE/NNSA Property |
| ⊕ Point of Compliance | ⊕ Treatment Zone Monitoring | ⊕ Monitoring | ⬭ Playas |
| ⊕ Monitoring | ⊕ In Situ Performance Monitoring | ⊕ Pantex Water Supply | Perchlorate Isoconcentrations |
| ⊕ Undeveloped Monitoring | ⊕ In Situ Bioremediation | ⊕ Point of Exposure | ■ 26 µg/L |
| ⊕ Dry | ⊕ Permeable Reactive Barrier | ⊕ Point of Compliance | ■ 100 µg/L |
| ○ Extraction | | ⊕ Approximate Extent of Perched Saturation | ■ 1000 µg/L |
| | | | ⊕ Area under ISB Influence |



**Annual Progress Report
 USDOE/NNSA Pantex Plant
 June 2019**

Perchlorate
 2018 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
 - ⊕ Permeable Reactive Barrier
- Ogallala Wells**
- ⊕ Monitoring
 - ⊕ Pantex Water Supply
 - ⊕ Point of Exposure
 - ⊕ Point of Compliance
 - ⊕ Approximate Extent of Perched Saturation
 - ⊕ Pantex JCDC
 - ⊕ USDOE/NNSA Property
 - ⊕ Playas
- DCA12 Isoconcentrations**
- 5 µg/L
 - Area under ISB Influence

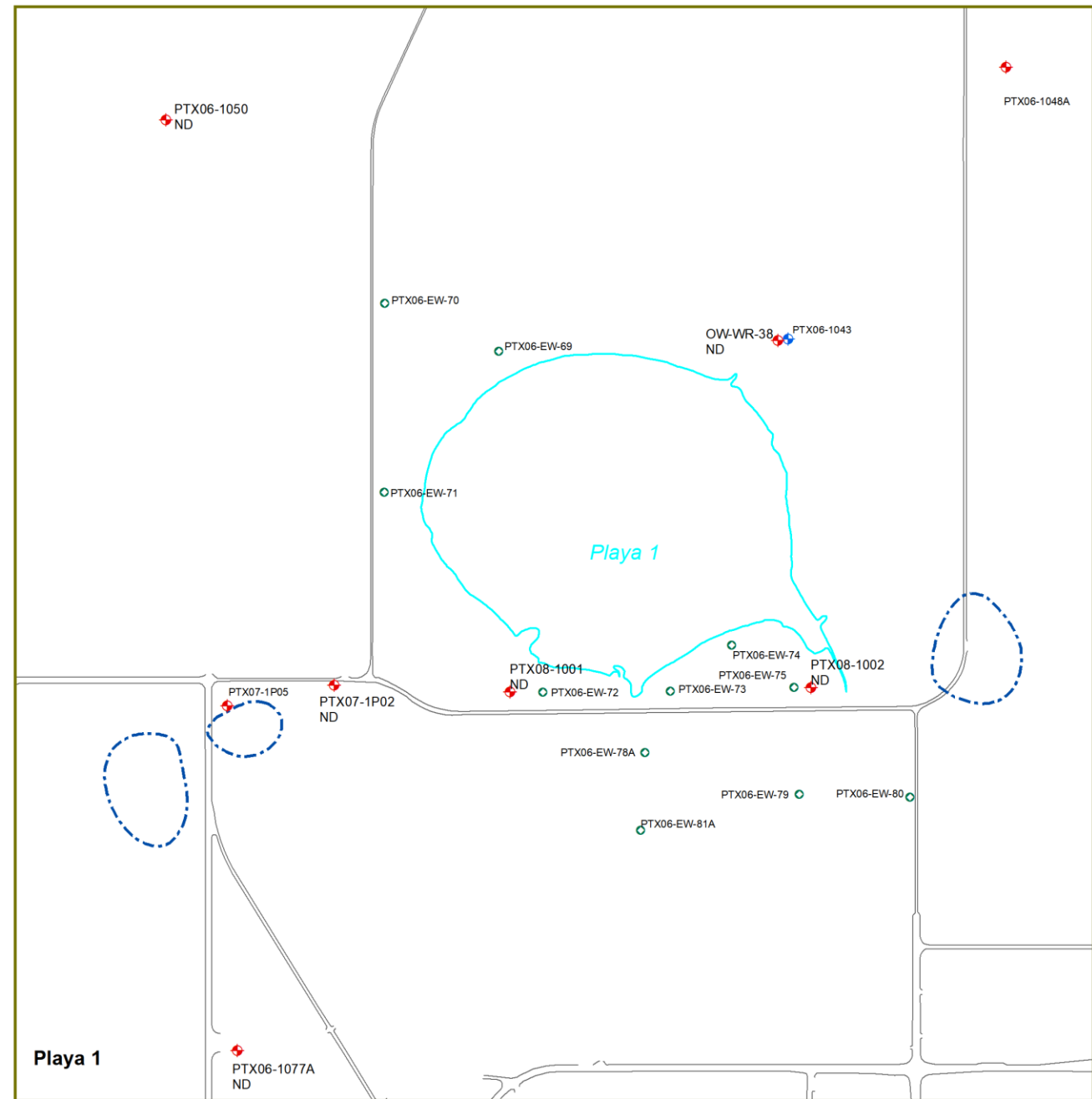
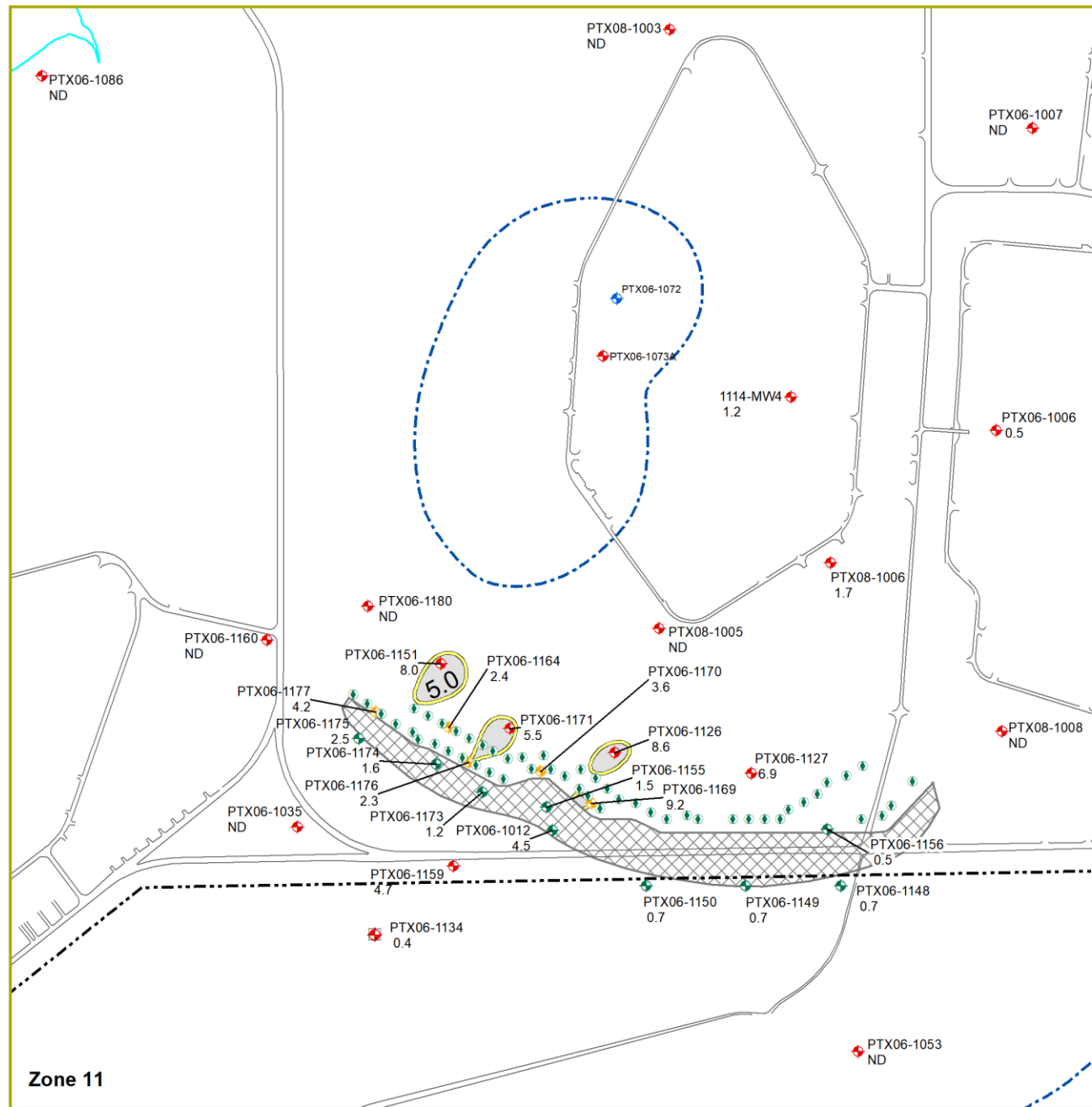
Groundwater Action Levels
 PQL = 3 µg/L
 GWPS = 5 µg/L

0 500 1,000 1,500 Feet

**Annual Progress Report
 USDOE/NNSA Pantex Plant
 June 2019**

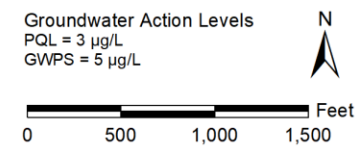
1,2-Dichloroethane
 2018 Annual Maximum
 Isoconcentrations
 Perched Aquifer Inset Map

Southeast



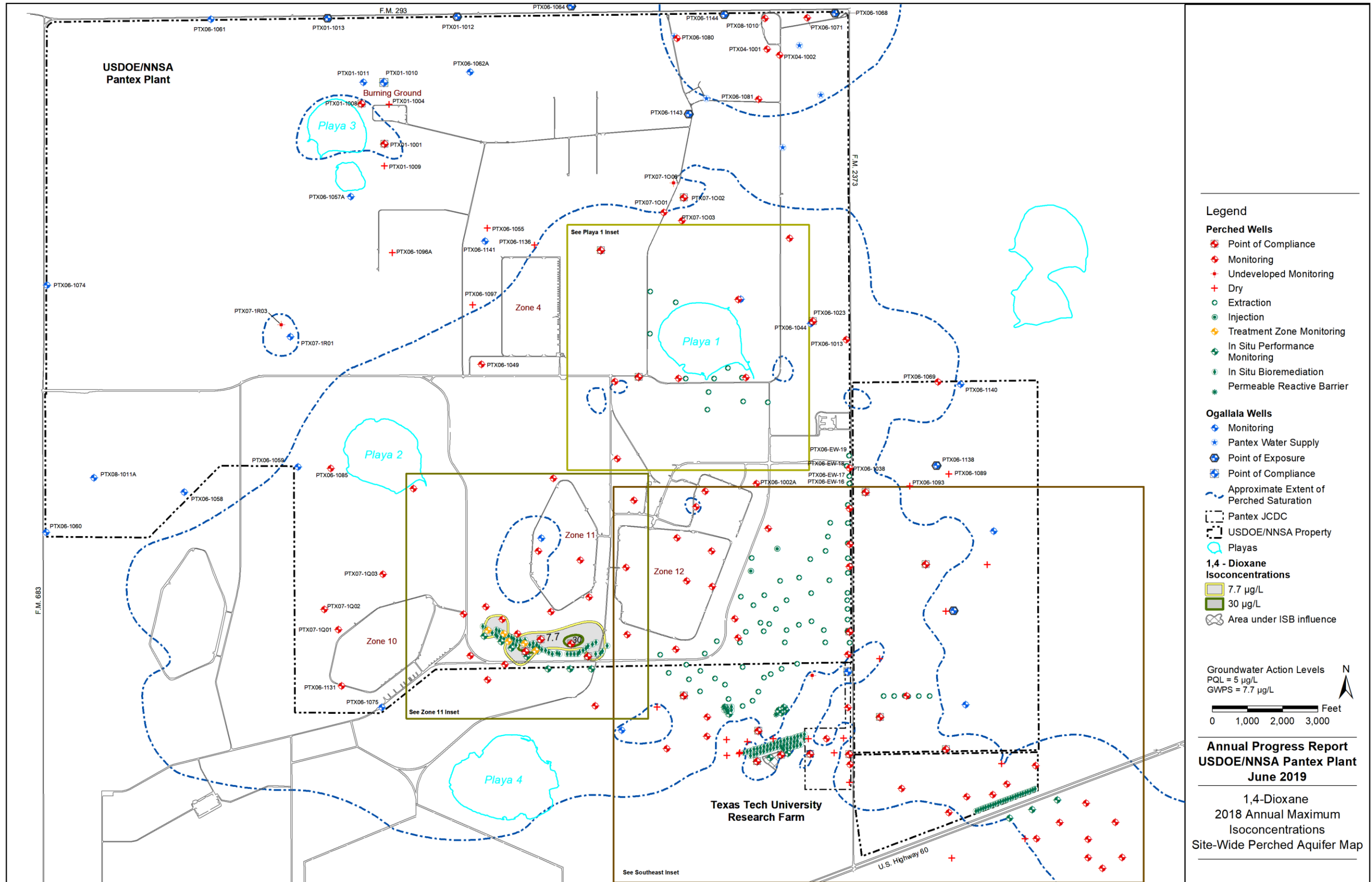
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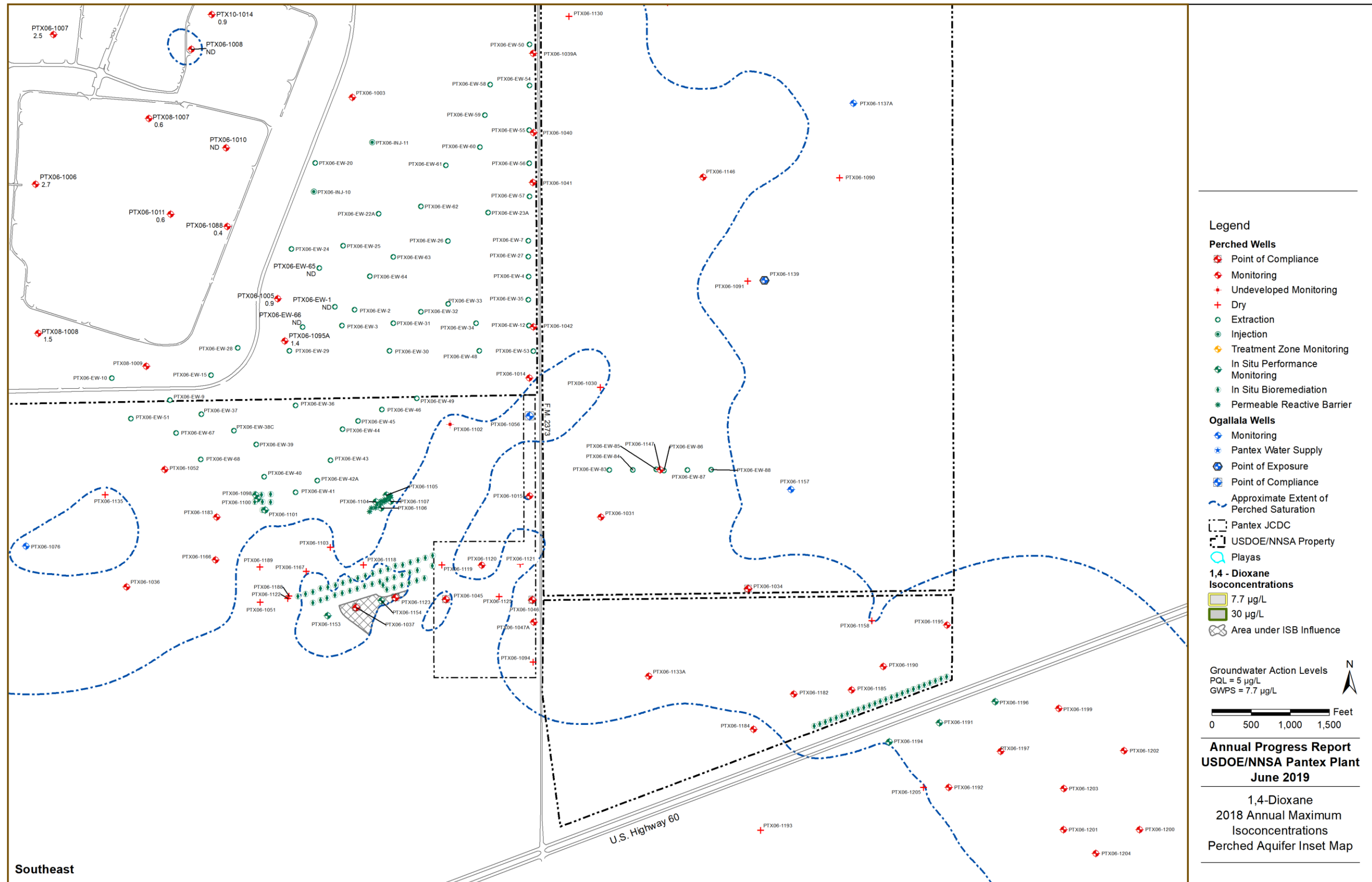
- | | | | |
|------------------------|--------------------------------|--|--------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | DCA12 Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 5 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | Area under ISB Influence |
| Extraction | | Approximate Extent of Perched Saturation | |



Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019

1,2-Dichloroethane
2018 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
- ⊕ Permeable Reactive Barrier

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

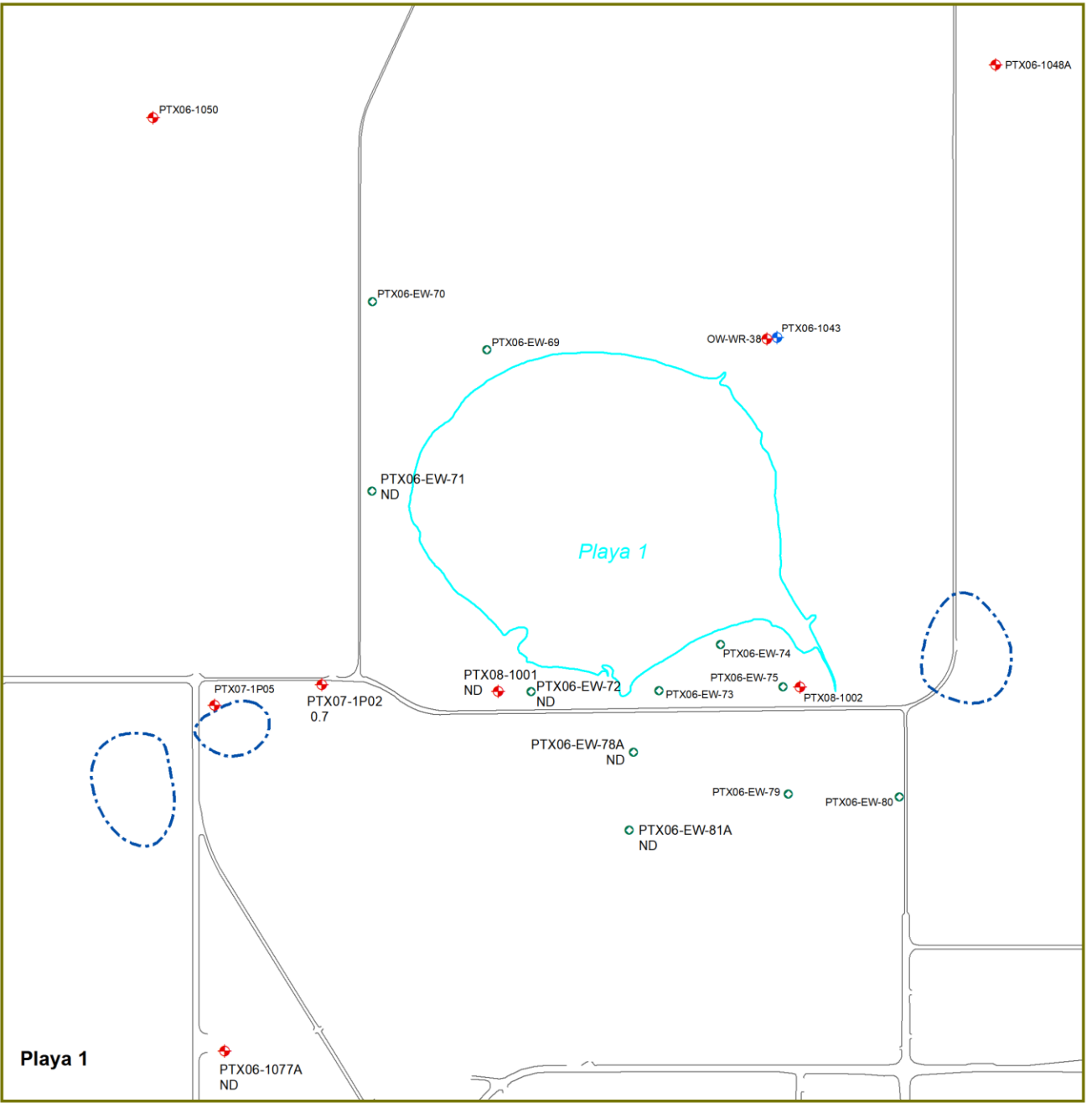
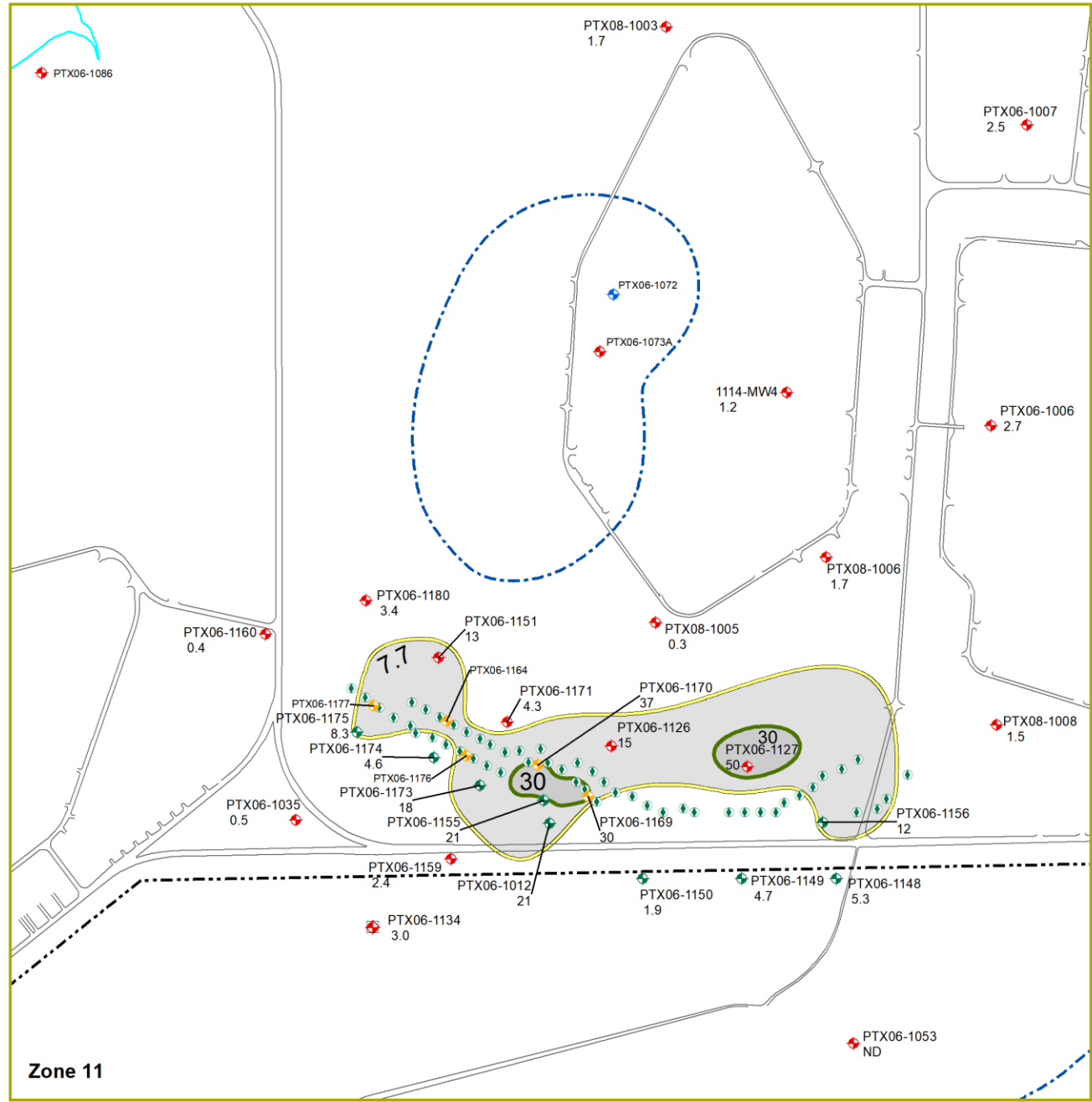
Groundwater Action Levels
PQL = 5 µg/L
GWPS = 7.7 µg/L

0 500 1,000 1,500 Feet

**Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019**

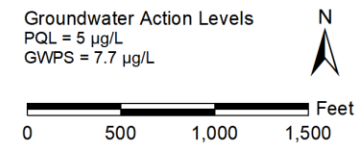
1,4-Dioxane
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Map

Southeast



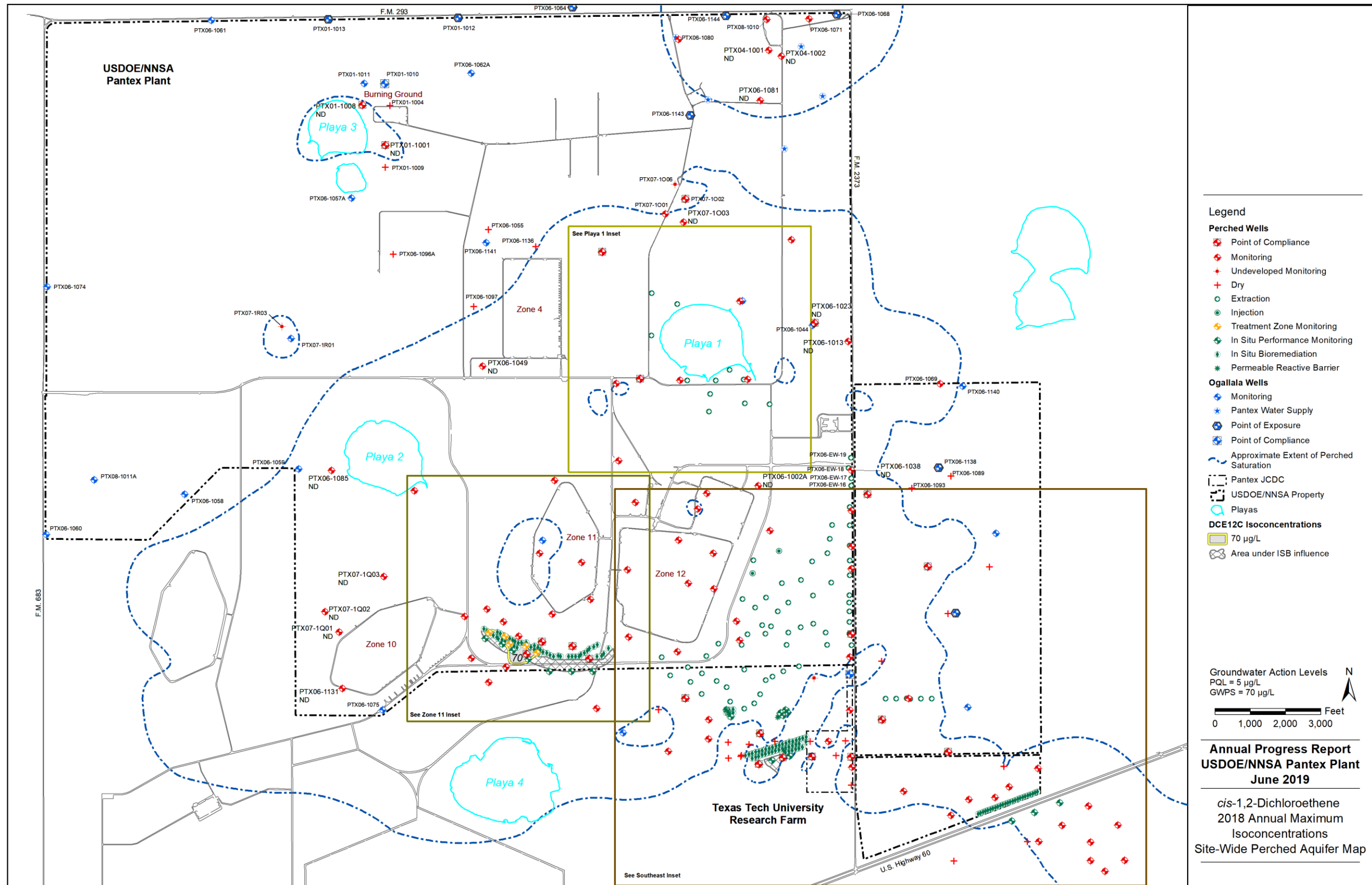
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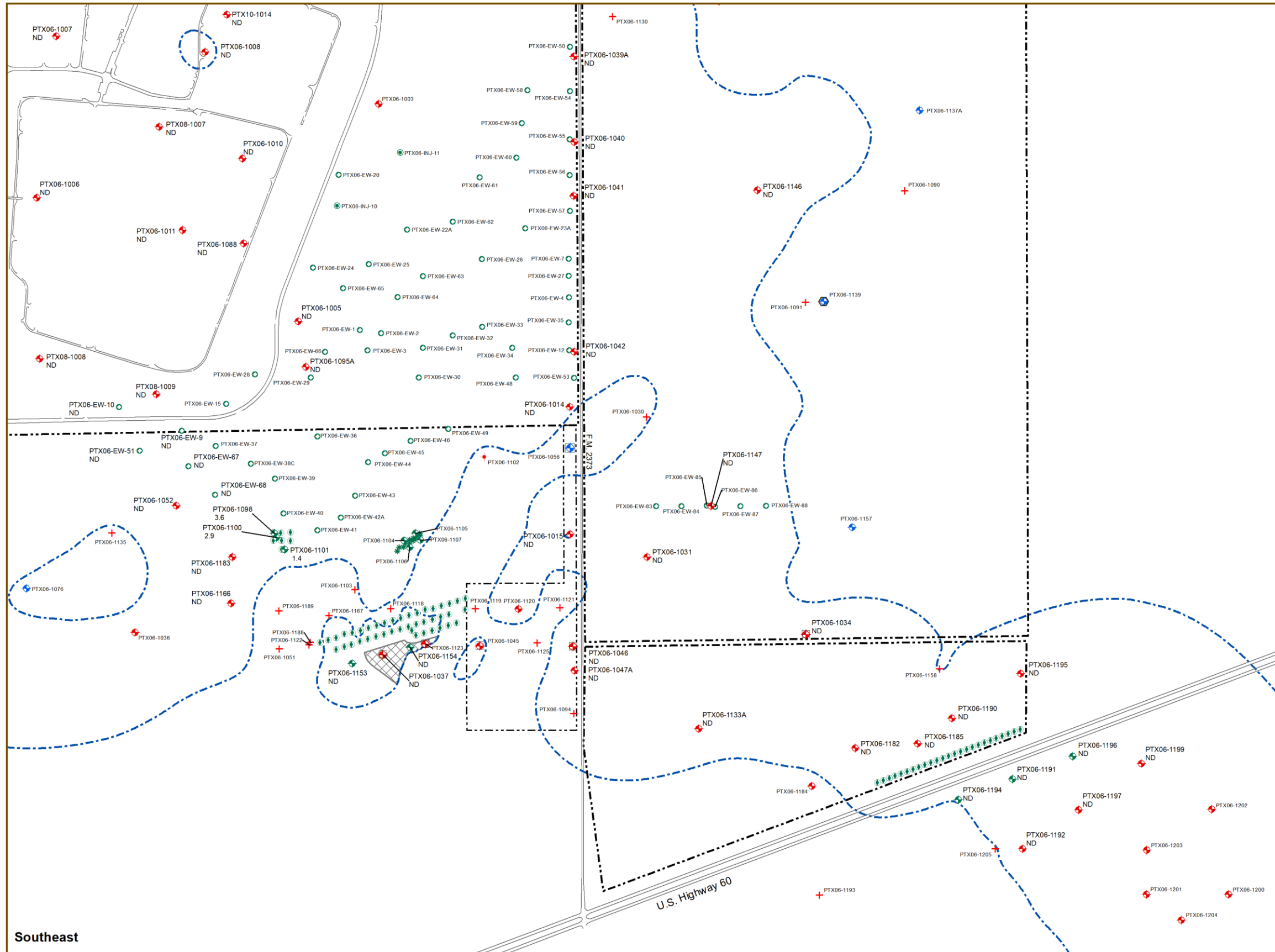
- | | | | |
|------------------------|--------------------------------|--|--|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | 1,4 - Dioxane Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 7.7 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | 30 µg/L |
| Extraction | | Approximate Extent of Perched Saturation | Area under ISB Influence |



Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019

1,4-Dioxane
2018 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
- Permeable Reactive Barrier

Ogallala Wells

- Monitoring
- Pantex Water Supply
- Point of Exposure
- Point of Compliance
- Approximate Extent of Perched Saturation

Pantex JCDC

- USDOE/NNSA Property
- Playas

DCE12C Isoconcentrations

- 70 µg/L
- Area under ISB Influence

Groundwater Action Levels

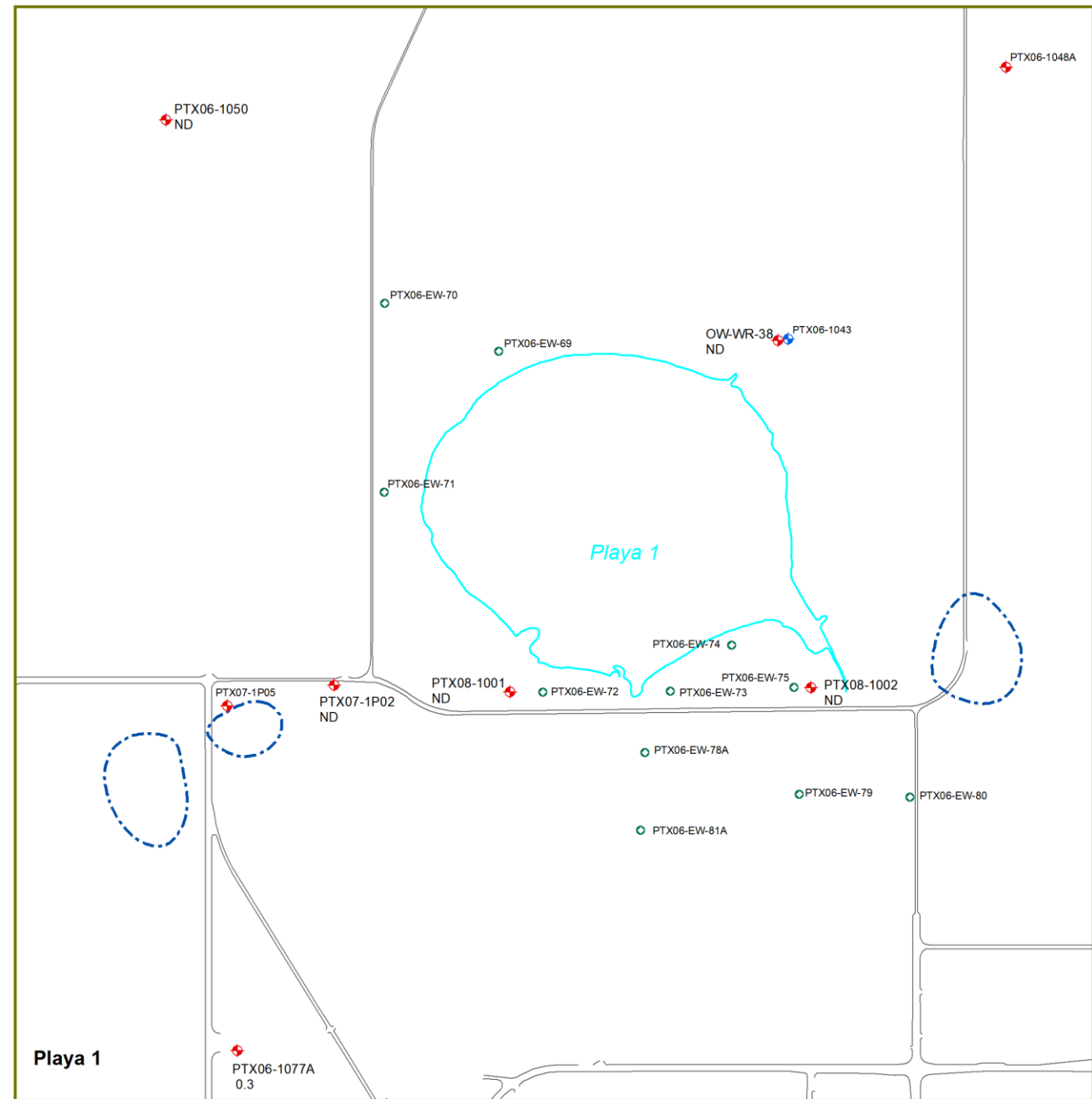
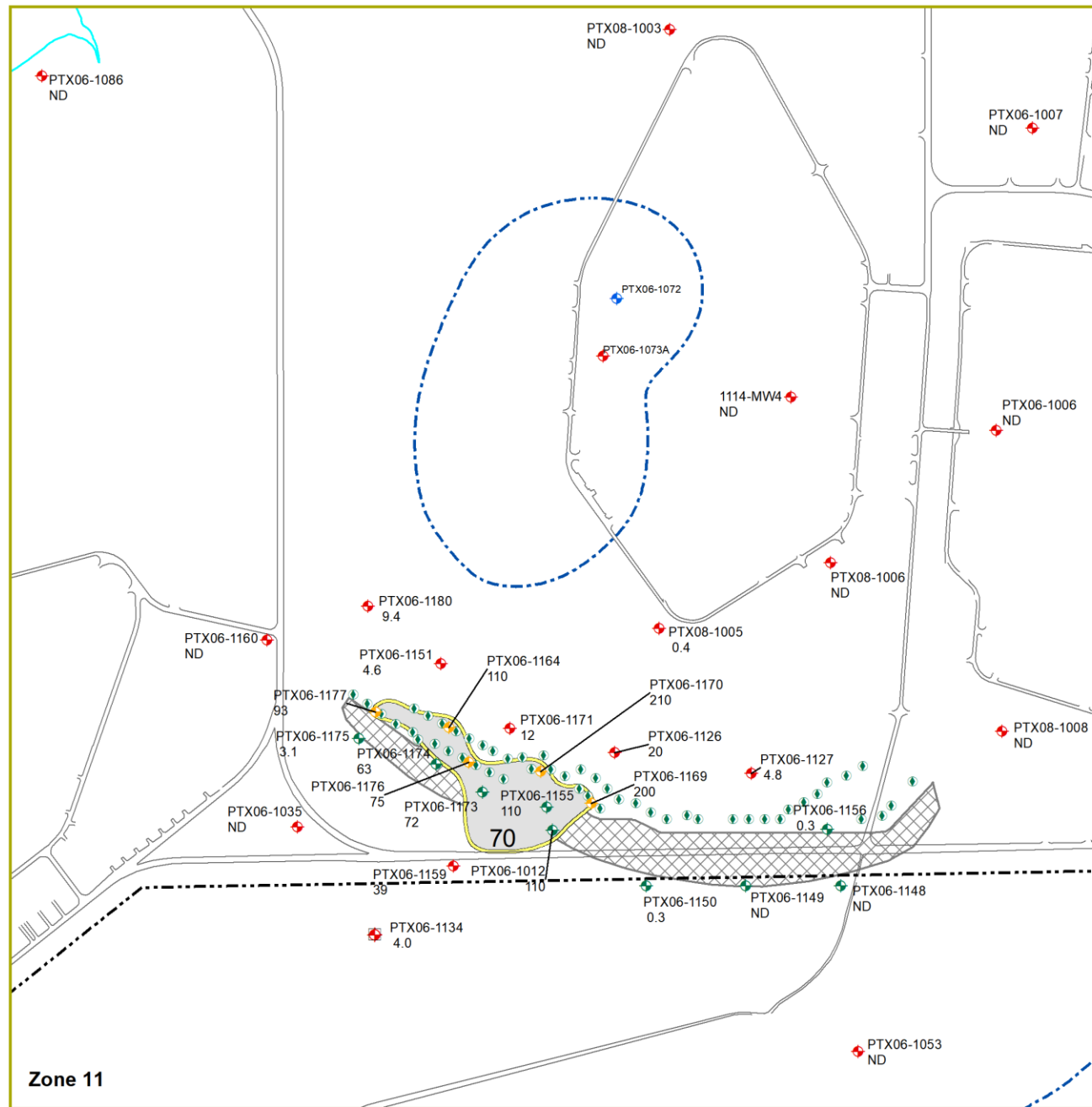
PQL = 5 µg/L
GWPS = 70 µg/L

0 500 1,000 1,500 Feet

**Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019**

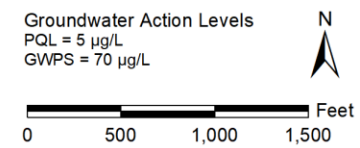
cis-1,2-Dichloroethene
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Map

Southeast



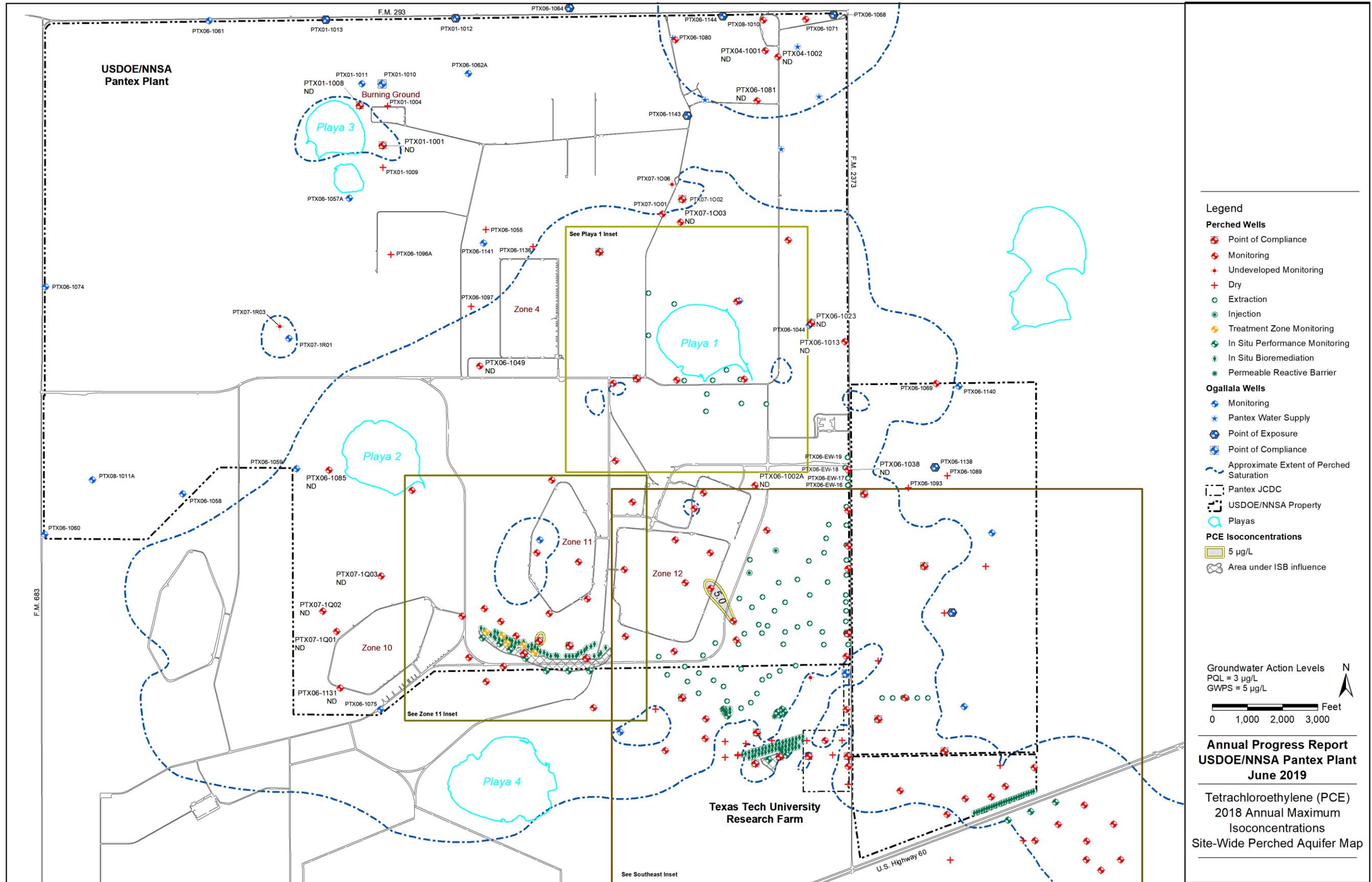
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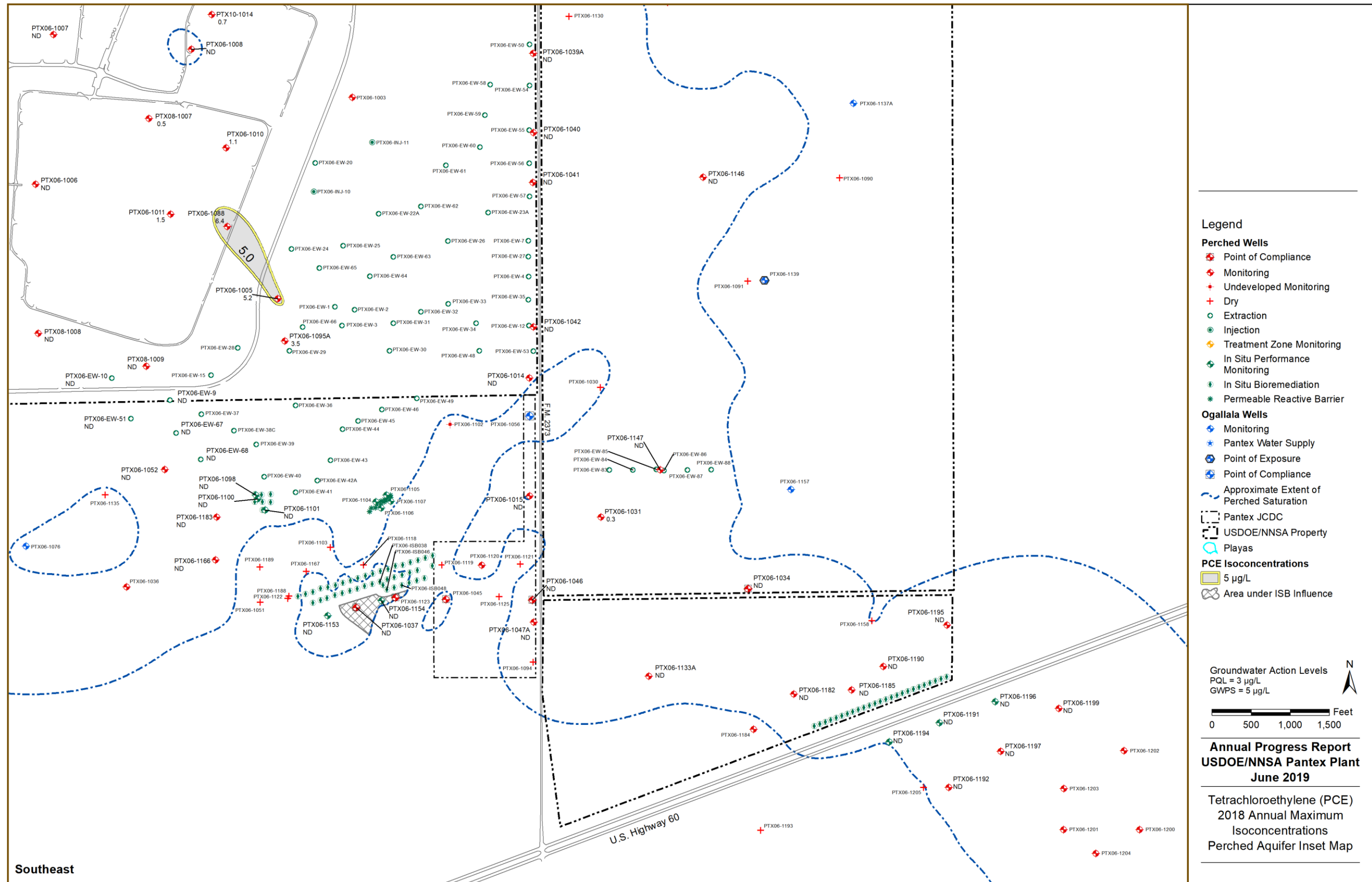
- | | | | |
|--------------------------|----------------------------------|--|---------------------------------|
| Perched Wells | ● Injection | Ogallala Wells | ▭ USDOE/NNSA Property |
| ⊕ Point of Compliance | ⊕ Treatment Zone Monitoring | ⊕ Monitoring | ○ Playas |
| ⊕ Monitoring | ⊕ In Situ Performance Monitoring | ⊕ Pantex Water Supply | DCE12C Isoconcentrations |
| ⊕ Undeveloped Monitoring | ⊕ In Situ Bioremediation | ⊕ Point of Exposure | ▭ 70 µg/L |
| ⊕ Dry | ⊕ Permeable Reactive Barrier | ⊕ Point of Compliance | ⊕ Area under ISB Influence |
| ○ Extraction | | ⊕ Approximate Extent of Perched Saturation | |

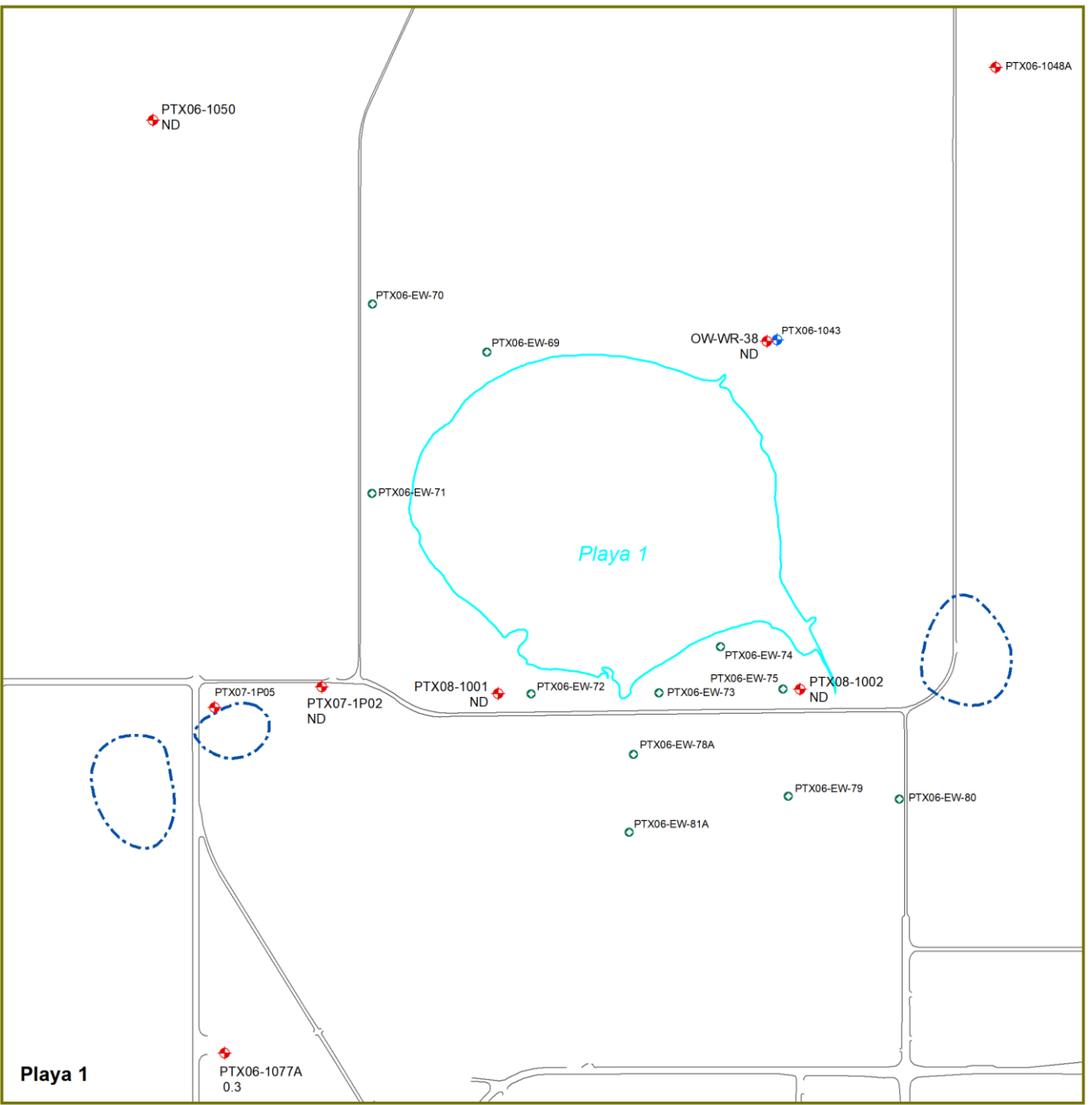
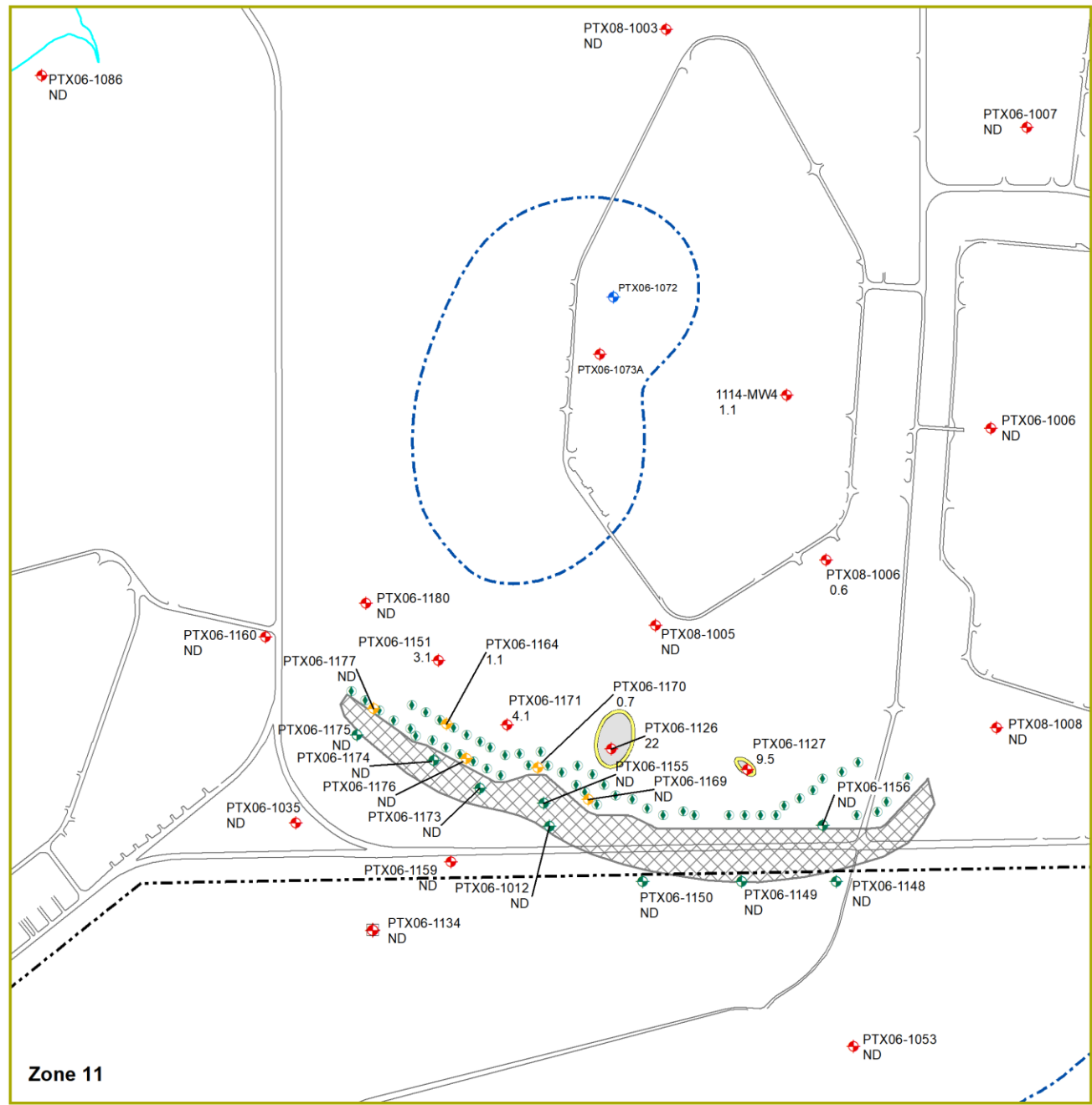


Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019

cis-1,2-Dichloroethene
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Maps

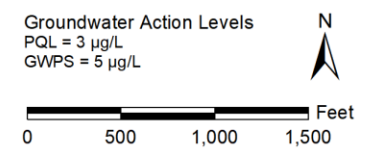






Legend

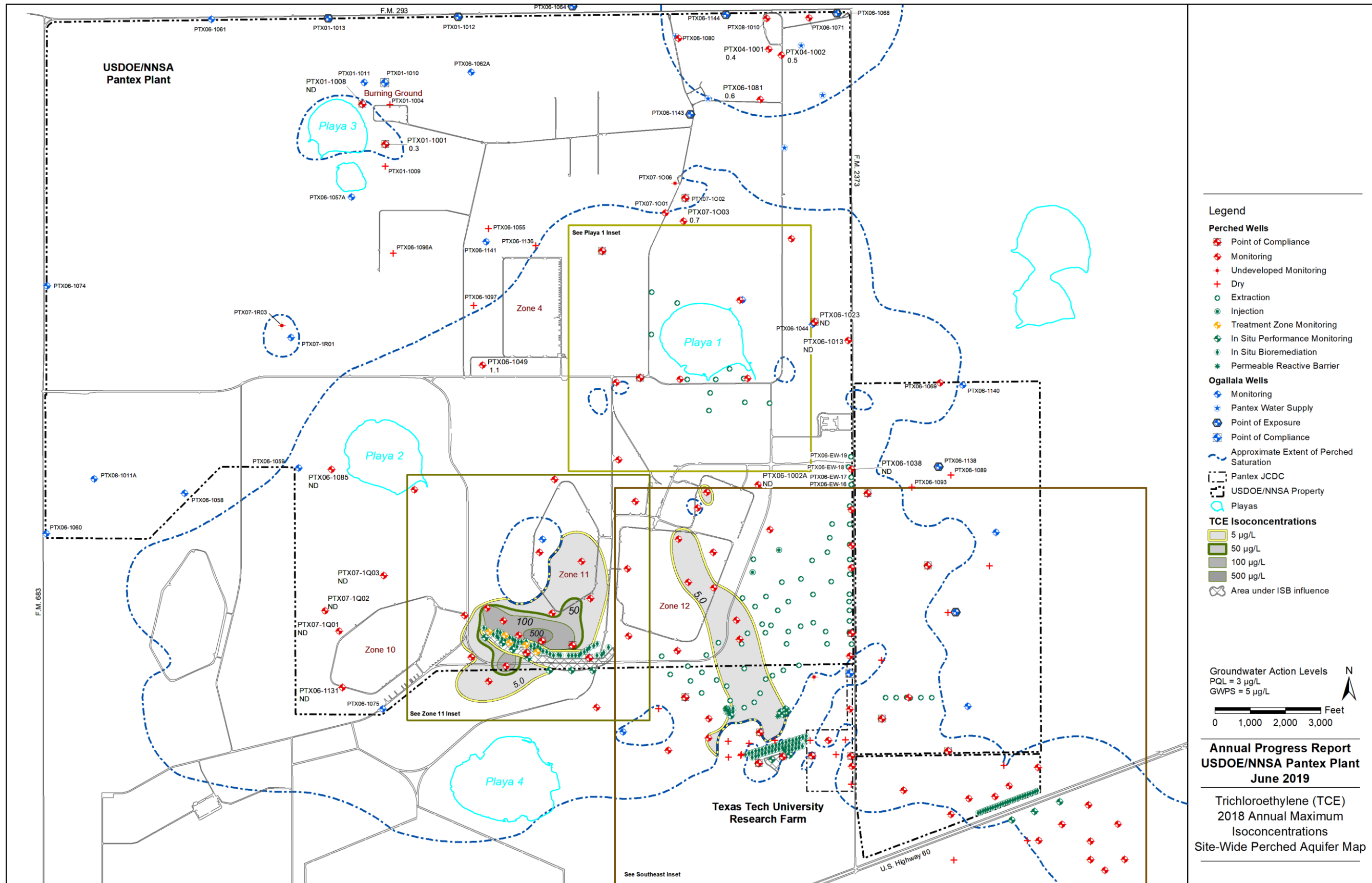
- | | | | |
|------------------------|--------------------------------|--|------------------------------|
| Perched Wells | Injection | Ogallala Wells | USDOE/NNSA Property |
| Point of Compliance | Treatment Zone Monitoring | Monitoring | Playas |
| Monitoring | In Situ Performance Monitoring | Pantex Water Supply | PCE Isoconcentrations |
| Undeveloped Monitoring | In Situ Bioremediation | Point of Exposure | 5 µg/L |
| Dry | Permeable Reactive Barrier | Point of Compliance | Area under ISB Influence |
| Extraction | | Approximate Extent of Perched Saturation | |

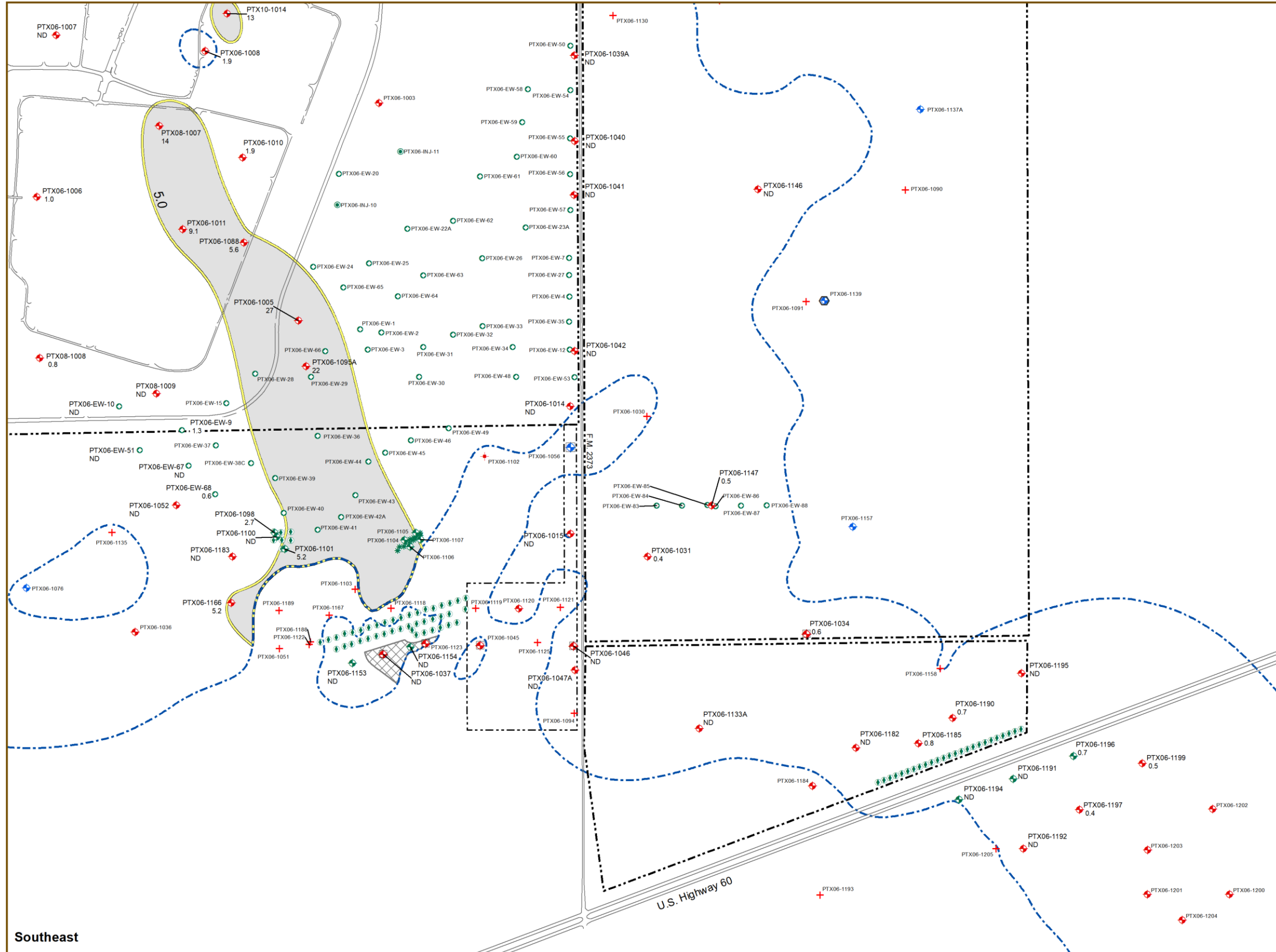


Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019

Tetrachloroethylene (PCE)
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Maps

Groundwater Action Levels
PQL = 3 µg/L
GWPS = 5 µg/L





Legend

Perched Wells

- ⊕ Point of Compliance
- ⊕ Monitoring
- ⊕ Undeveloped Monitoring
- ⊕ Dry
- ⊕ Extraction
- ⊕ Injection
- ⊕ Treatment Zone Monitoring
- ⊕ In Situ Performance Monitoring
- ⊕ In Situ Bioremediation
- ⊕ Permeable Reactive Barrier

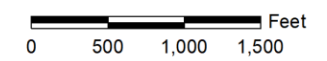
Ogallala Wells

- ⊕ Monitoring
- ⊕ Pantex Water Supply
- ⊕ Point of Exposure
- ⊕ Point of Compliance
- ⊕ Approximate Extent of Perched Saturation
- ⊕ Pantex JCDC
- ⊕ USDOE/NNSA Property
- ⊕ Playas

TCE Isoconcentrations

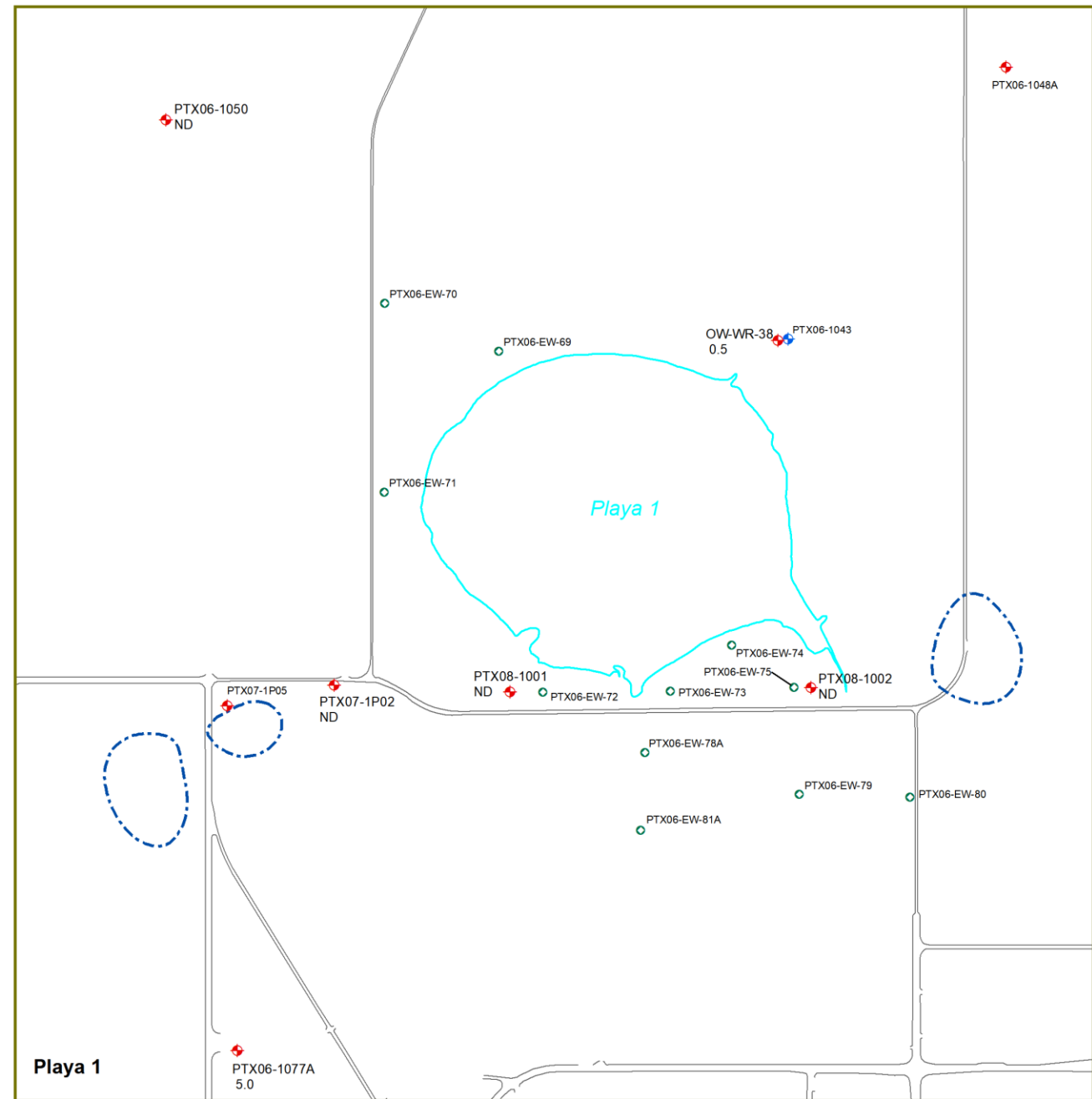
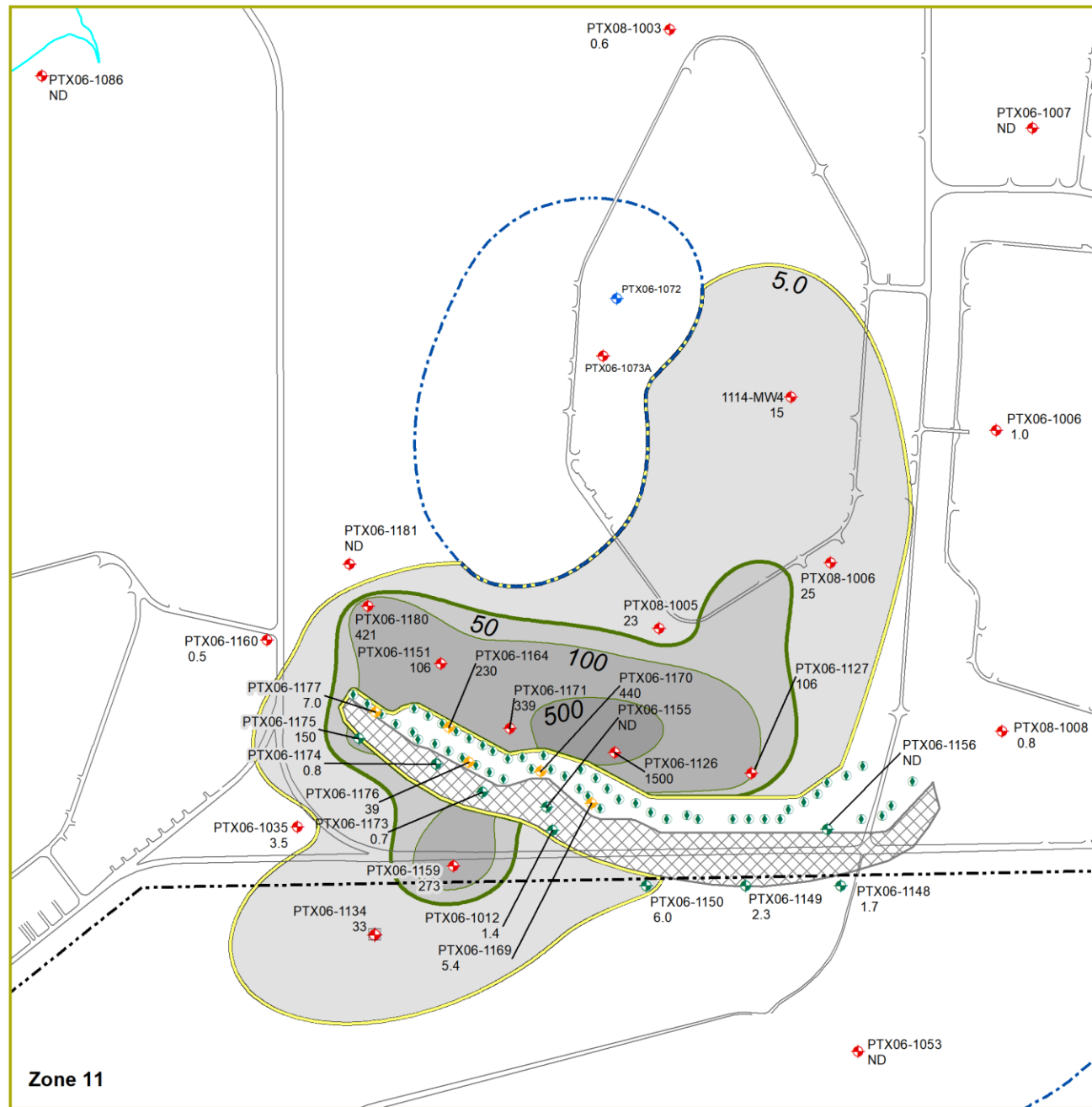
- 5 µg/L
- 50 µg/L
- 100 µg/L
- 500 µg/L
- Area under ISB Influence

Groundwater Action Levels
 PQL = 3 µg/L
 GWPS = 5 µg/L



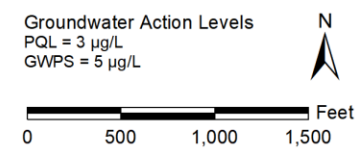
**Annual Progress Report
 USDOE/NNSA Pantex Plant
 June 2019**

Trichloroethylene (TCE)
 2018 Annual Maximum
 Isoconcentrations
 Perched Aquifer Inset Map



Legend

- | | | | |
|--------------------------|----------------------------------|--|------------------------------|
| Perched Wells | ● Injection | Ogallala Wells | ▭ USDOE/NNSA Property |
| ⊕ Point of Compliance | ⊕ Treatment Zone Monitoring | ● Monitoring | ○ Playas |
| ⊕ Monitoring | ⊕ In Situ Performance Monitoring | ★ Pantex Water Supply | TCE Isoconcentrations |
| ⊕ Undeveloped Monitoring | ⊕ In Situ Bioremediation | ⊕ Point of Exposure | □ 5 µg/L |
| ⊕ Dry | ⊕ Permeable Reactive Barrier | ⊕ Point of Compliance | □ 50 µg/L |
| ○ Extraction | | ⊕ Approximate Extent of Perched Saturation | □ 100 µg/L |
| | | | □ 500 µg/L |
| | | | ⊕ Area under ISB Influence |



Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019

Trichloroethylene (TCE)
2018 Annual Maximum
Isoconcentrations
Perched Aquifer Inset Maps

Appendix G
Well Certifications and
Completion Diagrams

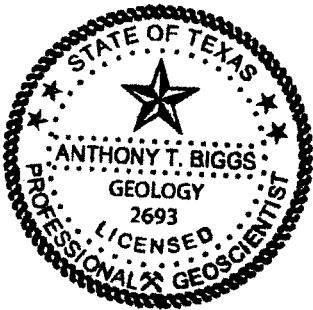
U.S. Department of Energy/National Nuclear Security Administration – Pantex Plant
Amarillo, Texas

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 and plugging and abandonment 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 and plugging and abandonment 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 PTX06-1191, PTX06-1192, PTX06-1193, PTX06-1194, PTX06-1195, PTX06-1196, PTX06-1197, and PTX06-1199.
- Construction of ISB performance monitoring wells PTX06-1191, PTX06-1194, and PTX06-1196.
- Plugging and abandonment of PTX06-1033 and PTX06-BEG-2 Ogallala monitoring wells.



AT Biggs

Tony Biggs

5/6/2019

Date

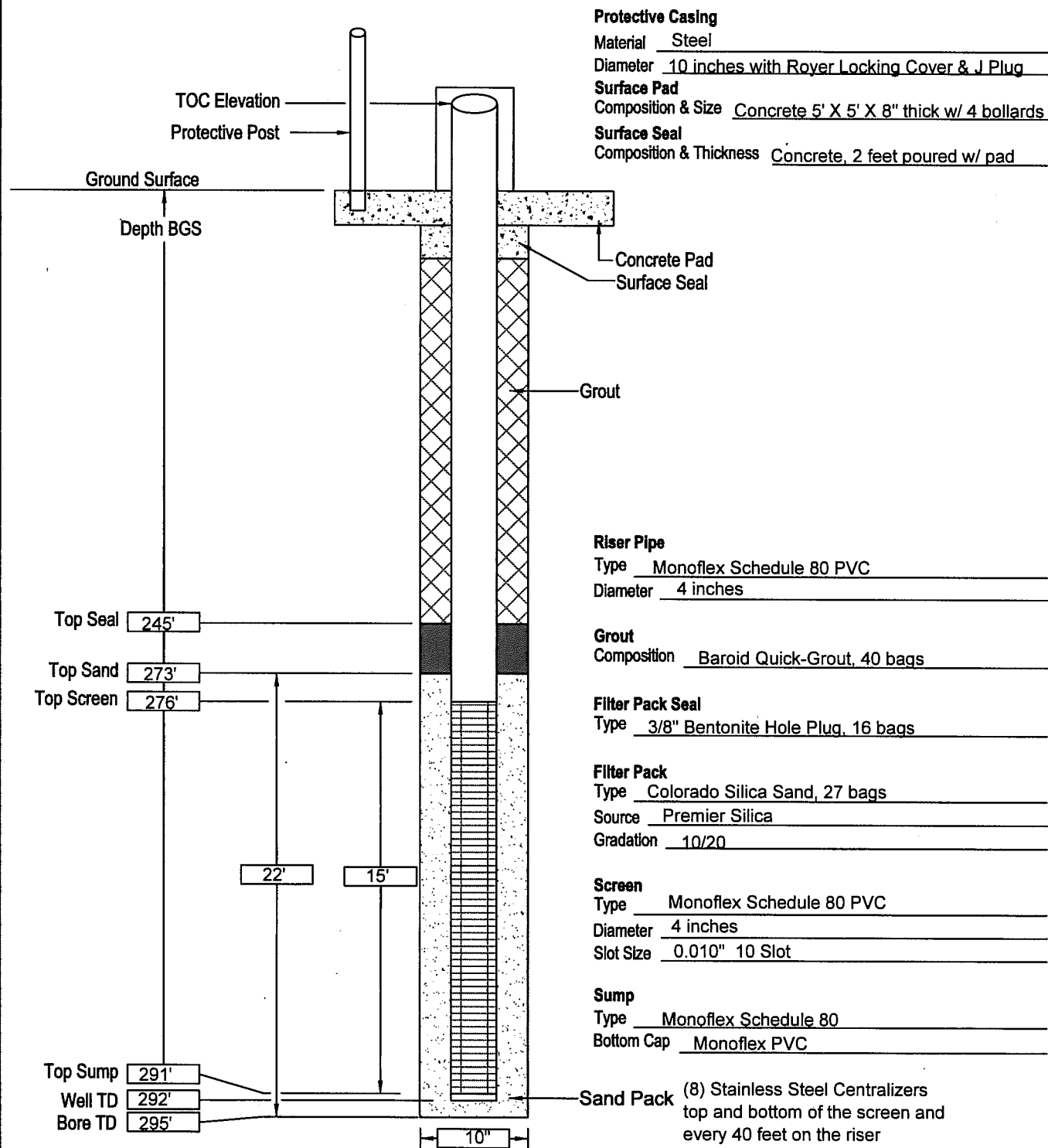
Licensed Professional Geologist No. 2693
Environmental Projects
Consolidated Nuclear Security, LLC

Well Installation Diagram

Project: BOA 70 Release 5
 Location: Vance Property
 Contractor: Stoller Newport News Nuclear
 Driller: Cascade
 Well Coordinates: 3750720.88 N 648996.85 E
 TOC Elevation: 3515.08 AMSL
 Surface Elevation: 3513.02 AMSL

Well No: PTX06-1191
 Well Type: Monitor
 Date Constructed: 01/21/2018 - 01/22/2018
 Observed By: R Rupp

Sheet 1 of 1



PTX06-1191

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469506	Northing: 3750720.88 Easting: 648996.85
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 295 ft bgs TD Well: 292 ft bgs
Dates Drilled: 01/20-21/18 Date Completed: 01/22/18	Depth to Water: 279.17 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3513.02 ft amsl	Top of Casing Elevation: 3515.08 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number	
	5		CL	0' - 5' Lean Clay, reddish brown (5YR 4/3), silty, trace very fine sand, moderate plasticity, cohesive, medium stiff, dry			
	10		ML	5' - 27' Silt, yellowish red (5YR 5/6), medium plasticity, cohesive, medium stiff, trace fine sand, some 2-4mm caliche nodules, moist			
	25			25' - 27' very stiff, increasing caliche			
	30		SM	27' - 35' Silty Sand, yellowish red (5YR 4/6), very fine to fine grain, poorly graded, with >15% silt, non-plastic, medium dense, dry			
	40		ML	35' - 45' Sandy Silt, light reddish brown (5YR 6/4), 15 - 20% very fine sand, low plasticity, some caliche nodules to 5-mm, medium stiff, dry			
	50		SP	45' - 72' Sand, red (2.5YR 4/8), fine grain with some very fine grain, poorly graded, rounded, loose, with 5% caliche nodules to 1-cm, dry			
	75			ML	72' - 83' Caliche Silt, pink (5YR 7/4), probable caliche caprock calcrete with caliche clasts to 3-cm, 15% very fine sand, stiff to hard, dry		
	85			SP-SM	83' - 92' Silty Sand, yellowish red (5YR 5/6), fine grain, poorly graded, loose, dry		
	95		SP-SM	92' - 105' Sand & Silt, pink (5YR 7/4), fine grain, poorly graded, medium dense, dry			
	100						

PTX06-1191

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469506	Northing: 3750720.88 Easting: 648996.85
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 295 ft bgs TD Well: 292 ft bgs
Dates Drilled: 01/20-21/18 Date Completed: 01/22/18	Depth to Water: 279.17 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3513.02 ft amsl	Top of Casing Elevation: 3515.08 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number	
	110		SM	105' - 135' Silty Sand, light reddish brown (5YR 6/4), very fine to fine grain with >15% non-plastic silt, poorly graded, loose with some cemented sandstone nodules 105' -110', dry			
	115						
	120						
	125						
	130						
	135		SP	135' - 160' Sand, light brown (7.5YR 6/4), fine grain, poorly graded, sub-rounded to rounded, loose quartz sand			
	140						
	145						
	150						
	155						
	160		SP	160' - 180' Sand, pink (7.5YR 7/4), very fine to fine grain, poorly graded, loose to medium dense, dry			
	165						
	170						
	175						
	180						
	185		SP	180' - 195' Sand, light brown (7.5YR 6/4), fine grain, poorly graded, subrounded to rounded, medium dense, dry			
	190						
	195						
	200						
	205						
	200		SP-SM	195' - 205' Sand with Silt, strong brown (7.5YR 5/6), very fine to fine grain with 10% silt, poorly graded, rounded, medium dense, dry			

PTX06-1191

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469506	Northing: 3750720.88 Easting: 648996.85
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 295 ft bgs TD Well: 292 ft bgs
Dates Drilled: 01/20-21/18 Date Completed: 01/22/18	Depth to Water: 279.17 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3513.02 ft amsl	Top of Casing Elevation: 3515.08 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	210			205' - 235' Sand, light yellowish brown (10YR 6/4), fine grain, poorly graded, medium dense to dense in well cemented intervals from 215' to 220'		
	215					
	220		SP			
	225					
	230					
	235					
	240		SM	235' - 245' Silty Sand, strong brown (7.5YR 5/6), very fine to fine grain with 10% silt, poorly graded, subrounded to rounded, medium dense, with fine gravel @ 240' - 245', moist		
	245					
	250		GW	245' - 260' Gravel, pale brown (10YR 6/3), fine to coarse, well graded, subrounded, with some well graded subangular sand, very dense, dry		
	255					
	260		SW	260' - 265' Sand, pale brown (10YR 6/3), fine to coarse grain, well graded, subrounded, medium dense, quartz sand		
	265		SW	265' - 270' Sand with Gravel, light yellowish brown (10YR 6/4), fine to coarse well graded sand with >15% fine gravel with flattened clasts, dense, dry		
	270		SW	270' - 275' Sand, light yellowish brown (10YR 6/4), well graded quartz sand, medium dense, dry		
	275		SW	275' - 291' Well graded Sand with Gravel, yellowish brown (10YR 5/6), fine to very coarse grain with >15% fine gravel, flattened clasts, medium dense, dry to moist, saturated @ 279'		
	280					
	285		SW			
	290					
	295		SM	291' - 295' FGZ Silty Sand, pink to light reddish brown (5YR 7/4 - 6/4), very fine to fine grain poorly graded sand with >15% silt, hard caliche nodes to 5-mm, medium stiff to hard with depth, moist to dry with depth		
	300			Borehole Total Depth 295' bgs		

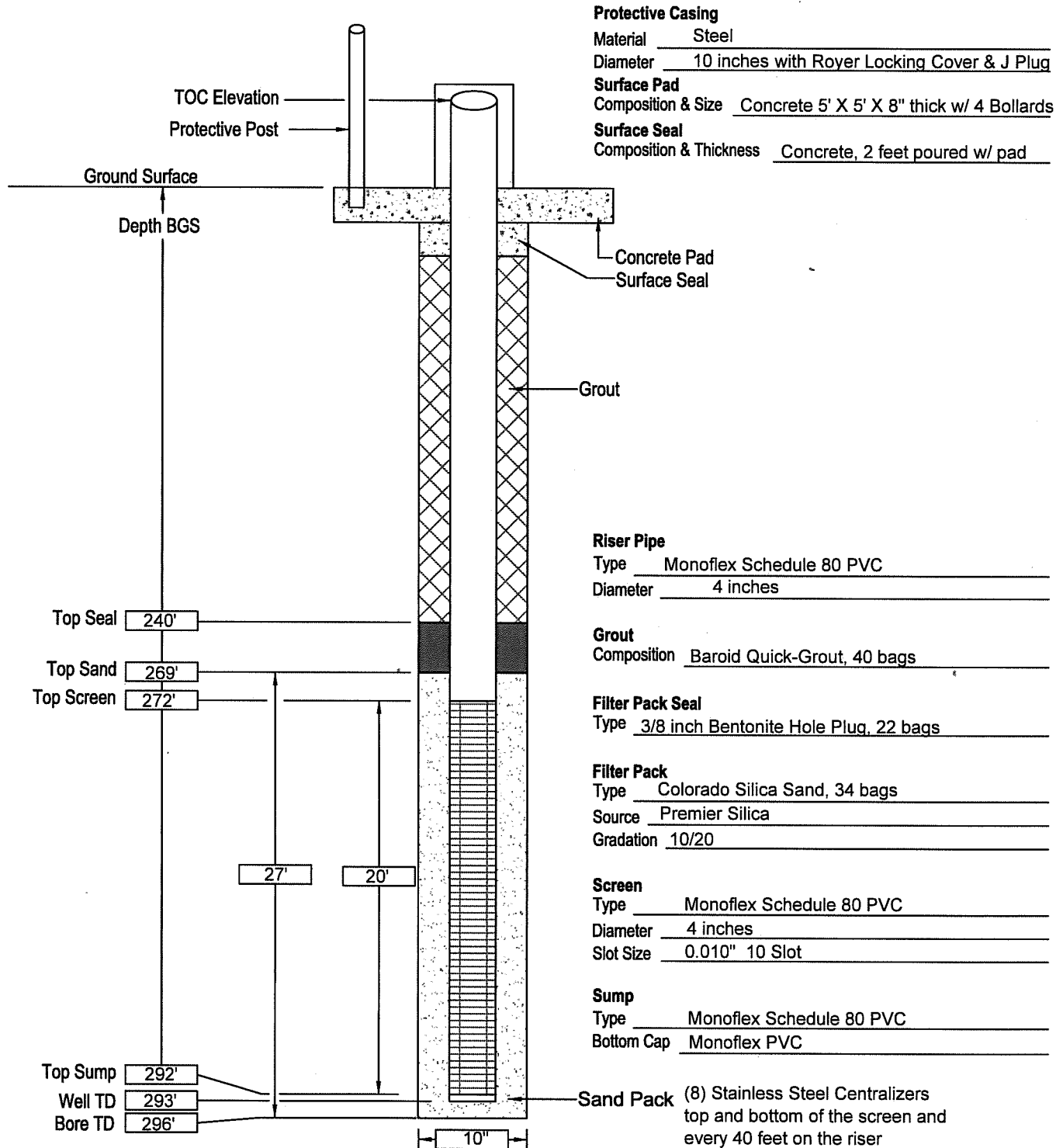
PTX06-1191
Triaxial Permeability
ASTM D5084
2.4E-06 cm/sec

Well Installation Diagram

Project: BOA 70 Release 5
 Location: Vance Property
 Contractor: Stoller Newport News Nuclear
 Driller: Cascade
 Well Coordinates: 3749893.14 N 649119.32 E
 TOC Elevation: 3512.32 ft AMSL
 Surface Elevation: 3510.23 ft AMSL

Well No: PTX06-1192
 Well Type: Monitor
 Date Constructed: 01/18/2018 - 01/19/2018
 Observed By: R Rupp

Sheet 1 of 1



PTX06-1192

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469487	Northing: 3749893.14 Easting: 649119.32
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 296 ft bgs TD Well: 296 ft bgs
Dates Drilled: 01/16-18/18 Date Completed: 01/19/18	Depth to Water: 279.03 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3510.23 ft amsl	Top of Casing Elevation: 3512.32 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	5		CL	0' - 5' Lean clay, reddish brown (5YR 4/3), moderate plasticity, cohesive, medium stiff, dry		
	10		CL	5' - 15' Silty Clay, light reddish brown (5YR 6/4), moderate plasticity, cohesive, medium stiff, trace fine sand and caliche, dry		
	15		ML	15' - 20' Silt, reddish yellow (5YR 7/4), non-plastic, non-cohesive, trace to minor clay, medium stiff, dry		
	20		CL	20' - 30' Lean Clay, light reddish brown (5YR 6/4), low plasticity, cohesive, medium stiff, dry		
	25		CL	20' - 30' Lean Clay, light reddish brown (5YR 6/4), low plasticity, cohesive, medium stiff, dry		
	30		ML	30' - 40' Silt, yellowish red (5YR 5/6), trace very fine sand, some caliche, soft, dry		
	35		ML	30' - 40' Silt, yellowish red (5YR 5/6), trace very fine sand, some caliche, soft, dry		
	40		SP	40' - 70' Sand, red (2.5YR 5/8 - 6/8), very fine to fine grain, poorly graded, subrounded, medium dense, caliche nodules to 3-cm, dry to moist		
	45		SP	40' - 70' Sand, red (2.5YR 5/8 - 6/8), very fine to fine grain, poorly graded, subrounded, medium dense, caliche nodules to 3-cm, dry to moist		
	50		SP	40' - 70' Sand, red (2.5YR 5/8 - 6/8), very fine to fine grain, poorly graded, subrounded, medium dense, caliche nodules to 3-cm, dry to moist		
	55		SP	40' - 70' Sand, red (2.5YR 5/8 - 6/8), very fine to fine grain, poorly graded, subrounded, medium dense, caliche nodules to 3-cm, dry to moist		
	60		SP	40' - 70' Sand, red (2.5YR 5/8 - 6/8), very fine to fine grain, poorly graded, subrounded, medium dense, caliche nodules to 3-cm, dry to moist		
	65		SP	40' - 70' Sand, red (2.5YR 5/8 - 6/8), very fine to fine grain, poorly graded, subrounded, medium dense, caliche nodules to 3-cm, dry to moist		
	70		SM	70' - 80' Silty Sand, reddish yellow (5YR 6/8), very fine to fine grain with >15% silt, poorly graded, medium dense, with caliche nodules to 5-cm throughout, dry		
	75		SM	70' - 80' Silty Sand, reddish yellow (5YR 6/8), very fine to fine grain with >15% silt, poorly graded, medium dense, with caliche nodules to 5-cm throughout, dry		
	80		SP-SM	80' - 95' Sand with Silt, yellowish red (5YR 5/6), dense, with well cemented cuttings to 5-cm, dry		
	85		SP-SM	80' - 95' Sand with Silt, yellowish red (5YR 5/6), dense, with well cemented cuttings to 5-cm, dry		
	90		SP-SM	80' - 95' Sand with Silt, yellowish red (5YR 5/6), dense, with well cemented cuttings to 5-cm, dry		
	95		SP	95' - 100' Sand, yellowish red (5YR 5/6), very fine to fine grain, poorly graded, rounded, loose, dry		
	100		SP	95' - 100' Sand, yellowish red (5YR 5/6), very fine to fine grain, poorly graded, rounded, loose, dry		
	105		SP-SM	100' - 115' Sand with silt, light reddish brown (5YR 6/4), poorly graded, dense, dry		
	110		SP-SM	100' - 115' Sand with silt, light reddish brown (5YR 6/4), poorly graded, dense, dry		

PTX06-1192

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469487	Northing: 3749893.14 Easting: 649119.32
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 296 ft bgs TD Well: 296 ft bgs
Dates Drilled: 01/16-18/18 Date Completed: 01/19/18	Depth to Water: 279.03 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3510.23 ft amsl	Top of Casing Elevation: 3512.32 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	120		SP	115' - 130' Sand, yellowish red (5YR 5/6), very fine to fine grain, poorly graded, rounded, loose, dry		
	130		SP	130' - 160' Sand, light brown (7.5YR 6/4), very fine to fine grain, poorly graded, subrounded to rounded, loose, dry		
	160		SM	160' - 180' Silty Sand, pink (7.5YR 7/4), very fine to fine grain with >15% silt, poorly graded, non-plastic, medium dense, with well cemented nodules to 2-cm, dry		
	180		SP	180' - 200' Sand, reddish yellow (7.5YR 6/6), very fine grain, poorly graded, medium dense, dry		
	200		sw	200' - 215' Sand, light yellowish brown (10YR 6/4), very fine to coarse grain, well graded, subrounded to rounded quartz, medium dense, dry		
	215		sw	215' - 235' Well graded Sand with Gravel, light yellowish brown (10YR 6/4), coarse sand with >15% fine to coarse gravel (gravel clasts to 5-cm), dense with well cemented sandstone clasts to 5-cm, dry		

PTX06-1192

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469487	Northing: 3749893.14 Easting: 649119.32
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 296 ft bgs TD Well: 296 ft bgs
Dates Drilled: 01/16-18/18 Date Completed: 01/19/18	Depth to Water: 279.03 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3510.23 ft amsl	Top of Casing Elevation: 3512.32 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	235		SW			
	240		SP	235' - 240' Sand, strong brown (7.5YR 5/6), fine grain, poorly graded, rounded, medium dense, dry		
	245		GW	240' - 245' Well graded Gravel with Sand, light yellowish brown (10YR 6/4), small to large (7.5-cm) gravel, with well graded sand, dense to very dense, dry		
	250		SW	245' - 255' Sand, yellowish brown (10YR 5/4), well graded, medium dense, dry		
	260		SW	255' - 280' Well graded Sand with Gravel, yellowish brown (10YR 5/4 - 5/6), fine to coarse sand with >15% gravel overall, subrounded to rounded sand, with 30% - 40% subrounded to rounded gravel @ 275' - 280', dense to very dense, moist @ 270', saturated @ 280'		
	270		SW			
	280		SW	280' - 292' Sand, yellowish brown (10YR 5/4), very fine to coarse grain, well graded, with minor rounded pea gravel to 285' that increases to >15% with depth, medium dense, saturated		
	290		SW			
	295		SM	292' - 296' Silty Sand, reddish brown to light reddish brown (5YR 5/4 - 5/6), medium to very fine grain (decreases downward), >15% silt, cohesive, caliche nodules to 1-cm, dense, moist to dry with depth		
	300			Borehole Total Depth 296' bgs		
	305					
	310					
	315					
	320					
	325					
	330					
	335					
	340					

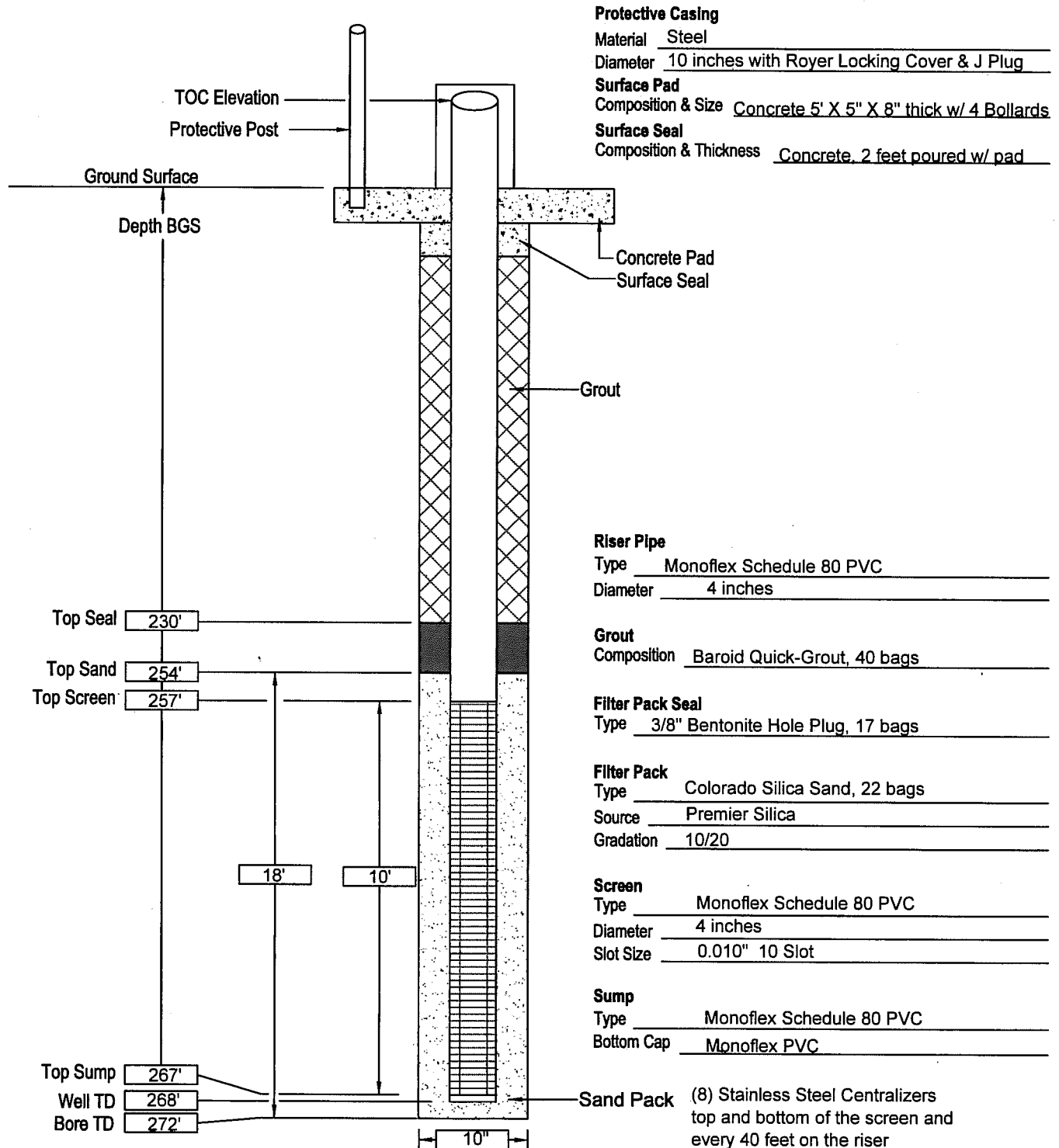
PTX06-1192
Triaxial Permeability
ASTM D5084
9.0E-06 cm/sec

Well Installation Diagram

Project: BOA 70 Release 5
 Location: Vance Property
 Contractor: Stoller Newport News Nuclear
 Driller: Cascade
 Well Coordinates: 3749346.75 N 646719.13 E
 TOC Elevation: 3510.37 ft AMSL
 Surface Elevation: 3508.28 ft AMSL

Well No: PTX06-1193
 Well Type: Monitor
 Date Constructed: 01/24/2018
 Observed By: R Rupp

Sheet 1 of 1



PTX06-1193

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469508	Northing: 3749346.75 Easting: 646719.13
Drilling Contractor: Cascade Drilling Lic.#4885 W. Blutworth	TD Borehole: 272 ft bgs TD Well: 268 ft bgs
Dates Drilled: 01/23-24/18 Date Completed: 01/24/18	Depth to Water: Dry
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3508.28 ft amsl	Top of Casing Elevation: 3510.37 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	5		CL	0' - 5' Lean Clay, dark reddish brown (5YR 3/4), medium plasticity, cohesive, hard, moist		
	10		ML	5' - 20' Silt, reddish brown (5YR 5/4), medium plasticity, cohesive, hard, caliche stringers, manganese oxide stains, moist		
	20		CL	20' - 25' Sandy Lean Clay, reddish brown (5YR 5/4), >30% fine sand, very stiff, dry		
	30		ML	25' - 35' Silt with Sand, reddish yellow (5YR 6/6), >30% sand, medium stiff, dry		
	40		SM	35' - 60' Silty Sand, red to light red (2.5YR 5/6 - 6/6), fine grain with >15% silt, medium dense, with caliche nodules throughout, but increased caliche @ 55' - 60', dry		
	60		SLT-STN	60' - 70' Caliche Caprock, white (5YR 8/1), calcrete, with some very fine sand, hard, dry		
	75		SP	70' - 85' Sand, pink (5YR 7/4), very fine to fine grain, poorly graded, medium dense to loose, dry		
	90		SP	85' - 100' Sand, light reddish brown (5YR 6/4), very fine grain, poorly graded, loose, dry		

PTX06-1193

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469508	Northing: 3749346.75 Easting: 646719.13
Drilling Contractor: Cascade Drilling Lic.#4885 W. Bludworth	TD Borehole: 272 ft bgs TD Well: 268 ft bgs
Dates Drilled: 01/23-24/18 Date Completed: 01/24/18	Depth to Water: Dry
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3508.28 ft amsl	Top of Casing Elevation: 3510.37 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	105			100' -120' Sand, pink (7.5YR 7/4), very fine to fine grain, poorly graded, loose, dry		
	110		SP			
	115					
	120			120' - 130' Silty Sand, yellowish red (5YR 5/6), fine grain, with >15% silt, poorly graded, loose, dry		
	125		SM			
	130			130' - 145' Sand, pink (7.5YR 7/3), fine grain quartz sand, poorly graded, loose, dry		
	135		SP			
	140					
	145			145' - 190' Sand, reddish yellow (7.5YR 6/6), fine grain, poorly graded, subrounded to rounded, loose, dry		
	150					
	155					
	160					
	165		SP			
	170					
	175					
	180					
	185					
	190			190' - 215' Sand, light yellowish brown (10YR 6/4), very fine to medium grain, well graded, angular to subangular quartz, some well cemented sandstone nodules to 5-cm, loose to medium dense, dry		
	195		SW			

PTX06-1193

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469508	Northing: 3749346.75 Easting: 646719.13
Drilling Contractor: Cascade Drilling Lic.#4885 W. Bludworth	TD Borehole: 272 ft bgs TD Well: 268 ft bgs
Dates Drilled: 01/23-24/18 Date Completed: 01/24/18	Depth to Water: Dry
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3508.28 ft amsl	Top of Casing Elevation: 3510.37 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	205		SW			
	210					
	215					
	220		SW	215' - 225' Sand with gravel, yellowish brown (10YR 6/6), very fine to coarse grain, well graded, angular to subangular, with <15% small to medium gravel, medium dense, dry		
	225					
	230		SP	225' - 240' Sand, light yellowish brown (10YR 6/4), fine grain, poorly graded, with trace rounded medium gravel @ 240', loose, dry		
	235					
	240					
	245		SW	240' - 255' Sand with Gravel, yellowish brown (10YR 5/6), very fine to very coarse grain, well graded, angular to rounded, with >15% pea gravel, small gravel 245' - 250'		
	250					
	255					
	260		SW	255' - 267' Sand with Gravel, yellowish brown (10YR 5/8), fine to very coarse grain, well graded, with >15% flattened gravel clasts, moist		
	265					
	270		SM	267' - 272' FGZ, Silty Sand, reddish brown to light reddish brown (5YR 5/4 - 6/4), fine grain sand, rounded, with >15% silt, weak plasticity, non-cohesive, with some caliche nodules, damp to dry with depth Borehole Total Depth 272' bgs		
	275					
	280					
	285					
	290					
	295					

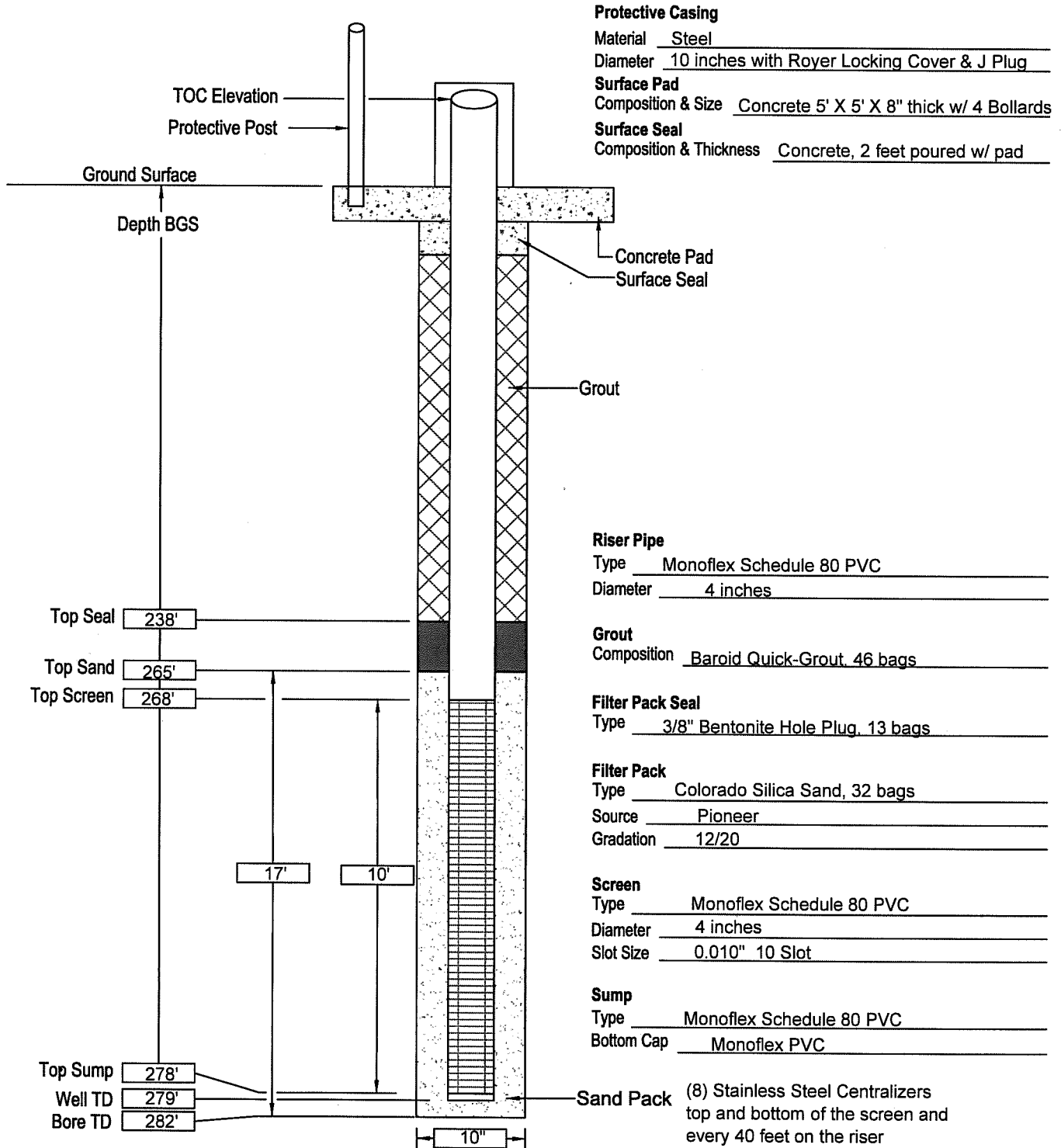
PTX06-1193
Triaxial Permeability
ASTM D5084
4.6E-05 cm/sec

Well Installation Diagram

Project: BOA 70 Release 5
Location: Vance Property
Contractor: Stoller Newport News Nuclear
Driller: Cascade
Well Coordinates: 3750477.77 N 648355.41 E
TOC Elevation: 3514.75 ft AMSL
Surface Elevation: 3512.68 ft AMSL

Well No: PTX06-1194
Well Type: Monitor
Date Constructed: 01/27/2018
Observed By: R Rupp

Sheet 1 of 1



PTX06-1194

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469640	Northing: 3750477.77 Easting: 648355.41
Drilling Contractor: Cascade Drilling Lic #4885 W. Bludworth	TD Borehole: 282 ft bgs TD Well: 279 ft bgs
Dates Drilled: 01/26-27/18 Date Completed: 01/27/18	Depth to Water: 276.96 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3512.68 ft amsl	Top of Casing Elevation: 3514.75 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	5		CL	0' - 10' Lean Clay, reddish brown (5YR 4/4), medium plasticity, cohesive, stiff, moist		
	10		ML	10' - 35' Silt, yellowish red (5YR 5/8), with <15% fine sand & minor clay to 15', stiff, dry		
	15					
	20					
	25		ML	35' - 45' Silt, pink (5YR 7/4), non-plastic, non-cohesive, stiff to very stiff, dry		
	30					
	35		SP	45' - 65' Sand, red (2.5YR 5/8), fine grain, poorly graded, medium dense, with 15% caliche nodules to 2-cm, moist @ 55' - 60'		
	40					
	45					
	50		ML	65' - 70' Caliche Silt (probable caprock), pink (5YR 7/4), caliche silt and caliche chunks to 3-cm with 30% fine sand, hard, dry		
	55					
	60		SP	70' - 80' Sand, reddish yellow (5YR 6/6), fine grain, poorly graded, medium dense with some well cemented nodules, dry		
	65					
	70		CL	80' - 90' Sandy Lean Clay, reddish brown (5YR 5/4), low plasticity, non-cohesive to cohesive, very stiff, with >30% fine sand, dry		
	75					
	80		ML	90' - 100' Caliche Silt (lower caprock), pinkish white (7.5YR 8/2), broken caliche to 5-cm from 90' to 95', transition to very fine to fine sand 95' to 100', hard, dry		
	85					
	90					
	95					

PTX06-1194

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469640	Northing: 3750477.77 Easting: 648355.41
Drilling Contractor: Cascade Drilling Lic #4885 W. Bludworth	TD Borehole: 282 ft bgs TD Well: 279 ft bgs
Dates Drilled: 01/26-27/18 Date Completed: 01/27/18	Depth to Water: 276.96 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3512.68 ft amsl	Top of Casing Elevation: 3514.75 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number	
	105		SP	100' - 125' Sand, light reddish brown (5YR 6/4), very fine to fine grain, poorly graded, loose, dry			
	110						
	115						
	120						
	125		SP	125' - 150' Sand, light brown (7.5YR 6/4), fine grain, poorly graded, subangular to subrounded, loose with well cemented layer @ 140' - 145', dry			
	130						
	135						
	140						
	145						
	150		ML	150' - 160' Sandy Silt, pink (7.5YR 7/3), very stiff to hard, with >30% fine sand			
	155						
	160		SP	160' - 175' Sand, light brown (7.5YR 6/4), fine grain, poorly graded, loose, dry			
	165						
	170						
	175		SP	175' - 185' Sand, brownish yellow (10YR 6/6), fine grain, poorly graded, loose, dry			
	180						
	185		SM	185' - 195' Silty Sand, light brown (7.5YR 6/4), fine grain, poorly graded, with 10% silt, medium dense, dry			
	190						
	195		SW	195' - 225' Sand with gravel, light yellowish brown (10YR 6/4), well graded sand, 15% small to medium gravel			

PTX06-1194

Pantex BOA 70 Release 5

Vance Property

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469640	Northing: 3750477.77 Easting: 648355.41
Drilling Contractor: Cascade Drilling Lic #4885 W. Bludworth	TD Borehole: 282 ft bgs TD Well: 279 ft bgs
Dates Drilled: 01/26-27/18 Date Completed: 01/27/18	Depth to Water: 276.96 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3512.68 ft amsl	Top of Casing Elevation: 3514.75 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	205	[Dotted pattern]	SW	concentrated @ 200' - 205' & 210' - 220', dense to very dense		
	210					
	215					
	220					
	225					
	230	[Horizontal lines]	SP	225' - 230' Sand, dark yellowish brown (10YR 4/4), very fine to fine grain, poorly graded, dense, damp		
	235	[Dotted pattern]	SW	230' - 235' Sand, yellowish brown (10YR 5/6), fine to coarse grain, well graded, with <10% small rounded gravel, medium dense, dry		
	240	[Large circles]	GW	235' - 245' Gravel with sand, light yellowish brown (5YR 6/4) sand matrix, well graded small to large gravel, rounded to broken angular clasts, very dense, dry		
	245	[Dotted pattern]	SW	245' - 255' Sand, light yellowish brown (10YR 6/4), well graded, medium dense, dry		
	250					
	255					
	260					
	265					
	270	[Dotted pattern]	SW	255' - 260' Sand with Gravel, yellowish brown (10YR 5/6), well graded sand and gravel, >15% gravel, dense to very dense, moist		
	275			260' - 278' Sand, light yellowish brown (10YR 6/4), well graded fine to coarse grain, subangular to rounded, trace pea gravel @ 275' - 278', moist to saturated at 276'		
	280	[Vertical lines]	ML	278' - 282' FGZ Sandy Silt, reddish brown (5YR 5/4), silt with >30% very fine to fine sand, some caliche, very stiff to hard, moist to dry with depth		
	285			Borehole Total Depth 282' bgs		
	290					
	295					

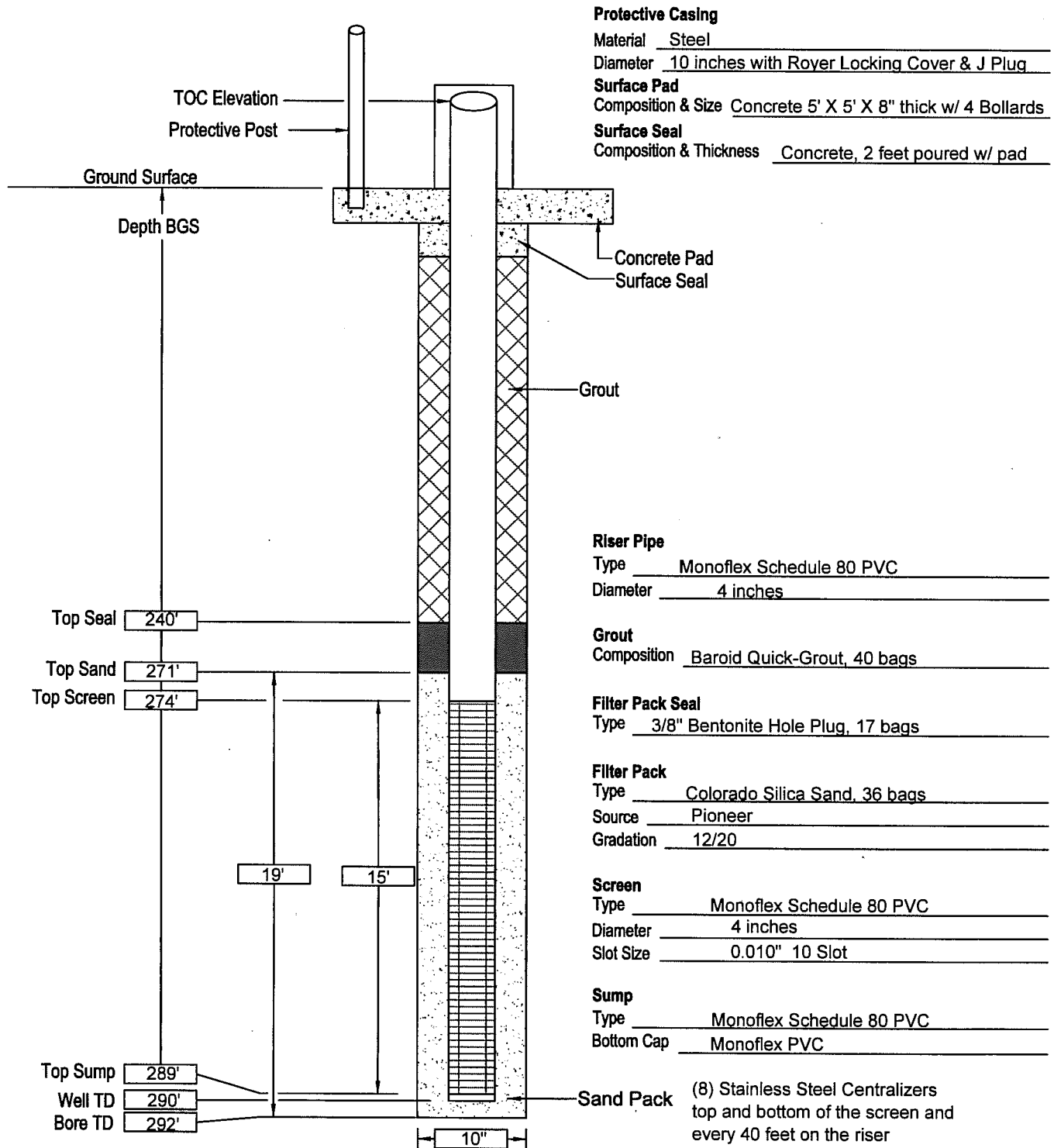
PTX06-1194
Triaxial permeability
ASTM D5084
6.1E-07 cm/sec

Well Installation Diagram

Project: BOA 70 Release 5
Location: North of SE ISB Extension Well Field
Contractor: Stoller Newport News Nuclear
Driller: Cascade
Well Coordinates: 3751968.74 N 649096.79 E
TOC Elevation: 3518.88 ft AMSL
Surface Elevation: 3516.83 ft AMSL

Well No: PTX06-1195
Well Type: Monitor
Date Constructed: 01/30/2018
Observed By: R Rupp

Sheet 1 of 1



PTX06-1195

Pantex BOA 70 Release 5

North of SE ISB Extension Wellfield

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469831	Northing: 3751968.74 Easting: 649096.79
Drilling Contractor: Cascade Drilling Lic. #4885 W. Blutworth	TD Borehole: 292 ft bgs TD Well: 290 ft bgs
Dates Drilled: 01/29/18 Date Completed: 01/30/18	Depth to Water: 281.97 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3516.83 ft amsl	Top of Casing Elevation: 3518.88 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	0			0' - 5' Lean Clay, dark reddish brown (5YR 5/4), medium plasticity, cohesive, stiff, moist		
	5			5' - 15' Silt, reddish yellow (5YR 6/6), non-plastic, slightly cohesive, loose, dry		
	10			15' - 20' Lean Clay, reddish brown (5YR 5/4), plastic, cohesive, stiff, trace fine sand and caliche, dry		
	15			20' - 30' Silt, yellowish red (5YR 5/6), non-plastic, non-cohesive, loose, dry		
	20			30' - 35' Sand, yellowish red to red (5YR 5/8 - 2.5YR 5/8), very fine grain, poorly graded, loose, dry		
	25			35' - 40' Silt with sand, reddish brown (5YR 5/4), with >30% fine sand and caliche nodules to 3-cm, stiff to hard, dry		
	30			40' - 62' Sand, reddish yellow (5YR 6/6), fine grain, poorly graded, medium dense, with caliche nodules throughout, dry		
	35			62' - 75' Silty Sand, reddish brown (5YR 5/4), fine grain, poorly graded, with >15% silt, medium dense, dry		
	40			75' - 85' Sand, yellowish red (5YR 5/6), very fine to fine grain, poorly graded, rounded, medium dense, dry		
	45			85' - 95' Silty Sand, reddish yellow to pink (5YR 6/6 - 7/4), fine grain, poorly graded, with >15% silt, low plasticity, medium dense to dense, dry		
	50			95' - 100' Sand, light brown (7.5YR 6/4), very fine to fine grain, poorly graded, loose, dry		

PTX06-1195

Pantex BOA 70 Release 5

North of SE ISB Extension Wellfield

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469831	Northing: 3751968.74 Easting: 649096.79
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 292 ft bgs TD Well: 290 ft bgs
Dates Drilled: 01/29/18 Date Completed: 01/30/18	Depth to Water: 281.97 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3516.83 ft amsl	Top of Casing Elevation: 3518.88 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	105		SP	100' - 105' Sand, reddish brown (5YR 5/4), fine grain, poorly graded, loose, dry		
	110		SP	105' - 120' Sand, light brown (7.5YR 6/4), fine grain, poorly graded, subrounded quartz sand, loose, dry		
	120		SP	120' - 135' Sand, light brown (7.5YR 6/4), fine grain, poorly graded, subrounded, loose, dry		
	135		SP	135' - 145' Sand, reddish yellow (7.5YR 6/6), fine grain, poorly graded, subrounded, loose, dry		
	145		SW	145' - 155' Sand, pink (7.5YR 7/4), very fine to coarse grain, well graded, subangular to subrounded, loose to medium dense, dry		
	155		SW	155' - 160' Sand with gravel, light brown (7.5YR 6/4), fine to coarse grain, well graded, subangular, with 30% - 40% cemented sand nodules and pea gravel, very dense, dry		
	160		SP	160' - 215' Sand, light brown to light yellowish brown (7.5YR 6/4 - 10YR 6/4), very fine to fine grain, poorly graded, rounded, loose to medium dense, with a well cemented zone @ 195' - 200'		
	170					
	175					
	180					
	185					
	190					
	195					

PTX06-1195

Pantex BOA 70 Release 5

North of SE ISB Extension Wellfield

DOE Pantex Plant

SN3 Project Number: 4638-05	Client: CNS Pantex Contract #67841
Geologist: R. Rupp Texas Well Report No.: 469831	Northing: 3751968.74 Easting: 649096.79
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 292 ft bgs TD Well: 290 ft bgs
Dates Drilled: 01/29/18 Date Completed: 01/30/18	Depth to Water: 281.97 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3516.83 ft amsl	Top of Casing Elevation: 3518.88 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	205		SP			
	210					
	215		SP	215' - 220' Sand, light yellowish brown (10YR 6/4), fine to medium grain, poorly graded, subrounded quartz, loose, dry		
	220					
	225		SW	220' - 230' Sand with gravel, pale brown to light yellowish brown (10YR 6/3 - 6/4), very fine to medium grain well graded sand with <15% small to medium gravel @ 220' - 225', dense, dry		
	230					
	235		SP	230' - 245' Sand, yellowish brown (10YR 5/6), very fine to fine grain quartz, poorly graded, loose to medium dense, damp		
	240					
	245					
	250		GW	245' - 255' Gravel with sand, yellowish brown (10YR 5/4), well graded small subrounded gravel to large broken gravel with >15% sand, very dense, dry		
	255					
	260		SW	255' - 260' Sand with gravel, yellowish brown (10YR 5/4), well graded, with >15% small rounded gravel, dense, dry		
	265		SP	260' - 265' Sand, yellowish brown (10YR 5/6), fine to medium grain, poorly graded, subrounded, medium dense, dry		
	270		SW	265' - 270' Sand, yellowish brown (10YR 5/6), very fine to coarse grain, well graded, subrounded, with minor small pea gravel with flattened clasts		
	275		SW	270' - 280' Sand, yellowish brown (10YR 5/6), well graded sand with trace to 10% flattened pea gravel, moist @ 275'		
	280					
	285		SW	280' - 289' Sand with gravel, yellowish brown to dark yellowish brown (10YR 5/6 - 4/6), well graded sand with 15 - 20% small pea gravel, some circular flattened clasts to 5-cm, trace clay and limonitic alteration, saturated @ 282'		
	290		ML	289' - 292' FGZ Silt with sand, light reddish brown (5YR 6/3), silt with >30% very fine to fine sand, some caliche granules, very stiff to hard, damp to dry with depth		
	295			Borehole Total Depth 292' bgs		

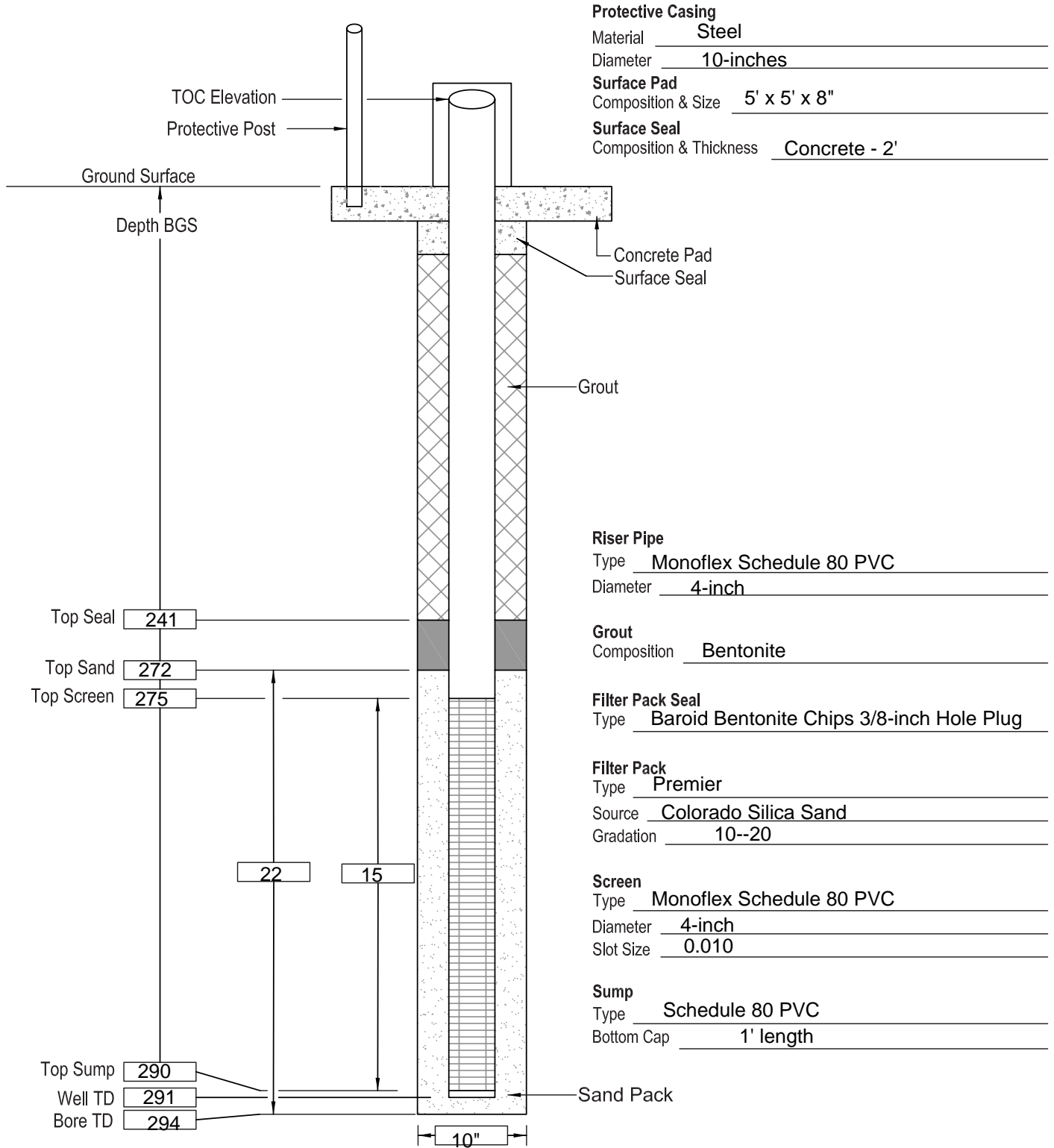
PTX06-1195
Triaxial Permeability
ASTM D5084
2.3E-07 cm/sec

Well Installation Diagram

Project: BOA 70 - Rel. 6
 Location: GEHM Farm Prop.
 Contractor: HII Nuclear
 Driller: Cascade
 Well Coordinates: N3750989.94 E649710.26
 TOC Elevation: 3514.40
 Surface Elevation: 3512.12

Well No: PTX06-1196
 Well Type: Perched Monitoring
 Date Constructed: 7-20-2018
 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 Monoflex Schedule 80 PVC
 Diameter 4-inch

Grout

Composition Bentonite

Filter Pack Seal

Type Baroid Bentonite Chips 3/8-inch Hole Plug

Filter Pack

Type Premier
 Source Colorado Silica Sand
 Gradation 10--20

Screen

Type Monoflex Schedule 80 PVC
 Diameter 4-inch
 Slot Size 0.010

Sump

Type Schedule 80 PVC
 Bottom Cap 1' length

PTX06-1196

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484896	Northing: 3750989.94 Easting: 649710.26
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 294 ft bgs TD Well: 291 ft bgs
Dates Drilled: 07/19/18 Date Completed: 07/20/18	Depth to Water: 280.17 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3512.12 ft amsl	Top of Casing Elevation: 3514.40 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	5		CL	0' - 7' Silty Clay Topsoil, dark brown (7.5YR 4/3), plastic, cohesive, very moist		
	10		ML	7' - 29' Silt, light reddish brown (5YR 6/3) to yellowish red (5YR 5/6) with depth, some caliche nodes to 3 mm, stiff, damp to dry		
	30			29' - 38' Sandy Silt, yellowish red (5YR 5/6), non-plastic, non-cohesive, caliche nodes to 1/4-inch, damp		
	40		SM	38' - 46' Silty Sand, light reddish brown (5YR 6/4), very fine grain, dense, dry		
	50		SP	46' - 54' Sand, some silt, red (2.5YR 5/6), poorly graded, dense, dry to damp		
	60		SM	54' - 60' Silty Sand, red (2.5YR 5/8), fine grain subrounded sand, medium dense, damp		
	65		SP-SM	60' - 68' Sand to Silty Sand, reddish yellow (5YR 6/6), poorly graded, medium dense to loose, damp to dry		
	75		SP	68' - 80' Sand, reddish yellow (5YR 6/6), poorly graded, fine to medium grain, subangular to subrounded, loose, dry		
	85		SM	80' - 88' Silty Sand, pink (5YR 7/4), fine to medium grain, subrounded, dense, dry, some caliche lenses but no real caprock		
	90		CL	88' - 96' Clay, some silt, reddish brown (5YR 4/4), plastic, cohesive, damp to moist		
	95			96' - 114' Sand with Silt, yellowish red (5YR 5/6), fine grain,		

PTX06-1196

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484896	Northing: 3750989.94 Easting: 649710.26
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 294 ft bgs TD Well: 291 ft bgs
Dates Drilled: 07/19/18 Date Completed: 07/20/18	Depth to Water: 280.17 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3512.12 ft amsl	Top of Casing Elevation: 3514.40 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	105		SP-SM	subrounded, poorly graded, loose, dry		
	110					
	115		ML	114' - 124' Silt with 20% Sand, pink (5YR 7/4), very fine grain, stiff, dry		
	120					
	125		SP-SM	124' - 132' Sand with Silt, yellowish red (5YR 5/6), fine grain, subrounded, poorly graded, loose, dry		
	130					
	135			132' - 158' Sand, pink (7.5YR 7/4), poorly graded, fine grain, subrounded, loose with some medium dense sandstone layers		
	140					
	145		SP	@ 150' light brown (7.5YR 6/4) with dense sandstone lenses		
	150					
	155					
	160		SM	158' - 170' Silty Sand, light reddish brown (5YR 6/4), fine grain, loose to medium dense, dry		
	165					
	170			170' - 188' Sand, pink (7.5YR 7/4) to reddish yellow (7.5YR 6/6), fine grain, subangular to subrounded, poorly graded, loose, dry		
	175					
	180		SP			
	185					
	190			188' - 202' Sand with Silt, pink (7.5YR 7/4), very fine to fine grain, subrounded, loose, damp		
	195		SP-SM			

PTX06-1196

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484896	Northing: 3750989.94 Easting: 649710.26
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 294 ft bgs TD Well: 291 ft bgs
Dates Drilled: 07/19/18 Date Completed: 07/20/18	Depth to Water: 280.17 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3512.12 ft amsl	Top of Casing Elevation: 3514.40 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	205		SM	202' - 208' Silty Sand, strong brown (7.5YR 5/6), fine to medium grain, dense, moist		
	210		ML	208' - 214' Silt with Sand, strong brown (7.5YR 5/6), very fine grain, stiff/dense, damp to dry		
	215		SW	214' - 228' Sand with Gravel, very pale brown (10YR 7/4), well graded, subrounded to rounded gravel to 1", medium dense, dry		
	220					
	225					
	230		SP	228' - 244' Sand, brownish yellow (10YR 6/6), poorly graded, subrounded, fine to medium grain, loose, dry		
	235					
	240					
	245		GW	244' - 256' Gravel with Sand, grayish brown (10YR 5/2), well graded subrounded to rounded gravel to 2 1/4", subangular to rounded sand, dense, dry		
	250					
	255					
	260		SW	256' - 264' Sand (pebbly to gravelly), pale brown (10YR 6/3), rounded to subrounded, very dense, dry		
	265		GP	264' - 271' Sandy Gravel, grayish brown (10YR 5/2), small to medium gravel to 1 1/2", rounded to flat, dense, dry		
	270					
	275		SW	271' - 284' Sand, pale brown (10YR 6/3), well graded with pebbles and rounded gravel to 1/2", fine to coarse grain subangular sand, dense, damp to very moist at 275'		
	280					
	285		GP	284' - 290' Sandy Gravel, pale brown (10YR 6/3), flat and rounded gravel to 1", fine to coarse sand, saturated		
	290		ML	290' - 294' Sandy Silt, light reddish brown (5YR 6/4), caliche nodules to 1/4", dry to damp, FGZ at 290 ft bgs		
	295			Borehole Total Depth 294 ft bgs		

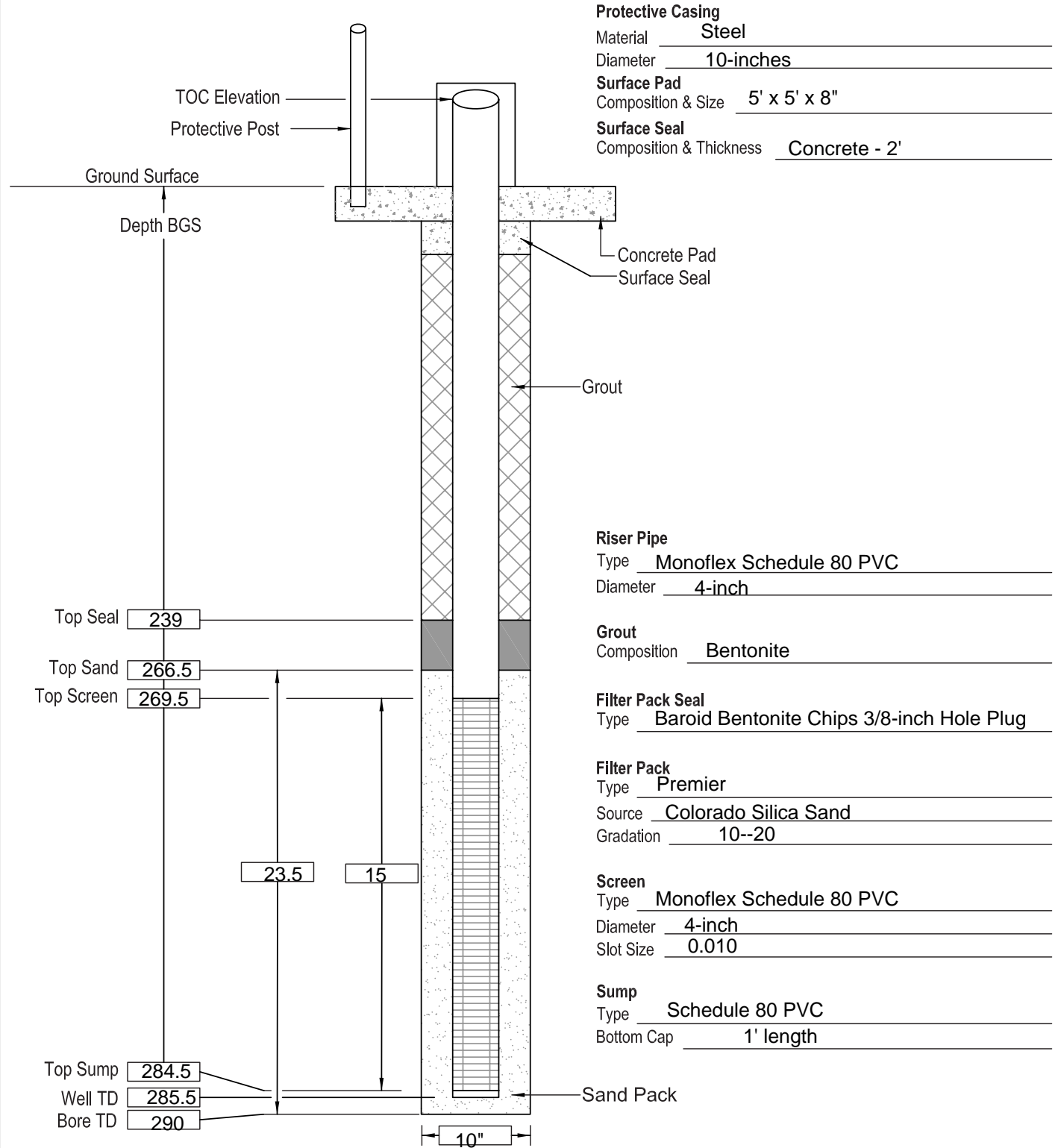
PTX06-1196
 Triaxial Permeability
 ASTM D5084
 9.8E-07 cm/sec

Well Installation Diagram

Project: BOA 70 - Rel. 6
 Location: GEHM Farm Prop.
 Contractor: HII Nuclear
 Driller: Cascade
 Well Coordinates: N3750355.29 E649782.14
 TOC Elevation: 3512.52
 Surface Elevation: 3510.33

Well No: PTX06-1197
 Well Type: Perched Monitoring
 Date Constructed: 7-17-2018
 Observed By: J Ford

Sheet 1 of 1



PTX06-1197

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484893	Northing: 3750355.29 Easting: 649782.14
Drilling Contractor: Cascade Drilling Lic.#4885 W. Bludworth	TD Borehole: 290 ft bgs TD Well: 285.5 ft bgs
Dates Drilled: 07/17/18 Date Completed: 07/17/18	Depth to Water: 279.61 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3510.33 ft amsl	Top of Casing Elevation: 3512.52 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	0		ML-CL	0' - 4' Silt to Lean Clay Topsoil, dark brown (7.5YR 6/3), moist		
	5		CL	4' - 28' Lean Clay with Silt, light reddish brown (5YR 6/4), low plasticity, cohesive, caliche veinlets at depth, stiff, damp		
	10					
	15					
	20					
	25					
	30		ML	28' - 44' Silt with some clay and fine sand, reddish brown (5YR 5/4) to pink (5YR 7/4) on small caliche nodules 2 - 5 mm in size, non-plastic, non-cohesive, very stiff, damp to dry		
	35					
	40					
	45		SM	44' - 55' Silty Sand, red (2.5YR 4/6), fine to medium grain with occasional silt, clay, and caliche nodules 5 - 7 mm in size, dense, moist to damp		
	50					
	55		ML	55' - 60' Silt, yellowish red (5YR 5/6), with clay and fine sand, trace 2 mm caliche nodes, non-plastic, very stiff, damp		
	60		SP	60' - 72' Sand, red (2.5YR 5/6 - 5/8), poorly graded, subangular to subrounded, caliche nodules to 3 cm, dense, damp to moist		
	65					
	70					
	75		SM	72' - 89' Silty Sand, pink (5YR 7/4), poorly graded, subrounded, dense to very dense on sandstone lenses, dry		
	80					
	85					
	90		SP-SM	89' - 97' Sand with Silt, yellowish red (5YR 5/6), fine to medium grain, subrounded, well cemented in some layers, dense, dry		
	95		SP	97' - 108' Sand, pink (5YR 7/4), poorly graded, very fine to		

PTX06-1197

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484893	Northing: 3750355.29 Easting: 649782.14
Drilling Contractor: Cascade Drilling Lic.#4885 W. Blutworth	TD Borehole: 290 ft bgs TD Well: 285.5 ft bgs
Dates Drilled: 07/17/18 Date Completed: 07/17/18	Depth to Water: 279.61 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3510.33 ft amsl	Top of Casing Elevation: 3512.52 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	105		SP	fine grain, subrounded to rounded, loose, dry		
	110			108' - 122' Silty Sand, light reddish brown (5YR 6/3), poorly graded, very fine to fine grain, loose, dry		
	115		SM			
	120					
	125			122' - 137' Sand, light reddish brown (5YR 6/4) to reddish yellow (5YR 6/6), poorly graded, fine grain with some medium grain, subrounded to rounded, loose, dry		
	130		SP			
	135					
	140			137' - 152' Sand to Silty Sand, pink (7.5YR 7/4), poorly graded, fine to very fine grain, subrounded, loose		
	145		SP-SM			
	150					
	155		SP	152' - 159' Sand, very pale brown (10YR 7/3), poorly graded, fine to medium grain, subrounded to rounded, loose with some dense sandstone lenses		
	160			159' - 171' Silty Sand to Sand, light reddish brown (7.5YR 7/4), fine grain, subrounded, loose, dry		
	165		SP-SM			
	170					
	175		SP	171' - 182' Sand, pink (7.5YR 7/4), poorly graded, very fine to fine grain, loose to medium dense on sandstone lenses, dry		
	180					
	185		SP	182' - 191' Sand, light reddish brown (5YR 6/4), poorly graded, fine grain, rounded, loose, dry		
	190					
	195		SP-SM	191' - 208' Sand to Silty Sand, pink (7.5YR 7/3), very fine to fine grain, subangular to rounded, loose, damp		

PTX06-1197

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484893	Northing: 3750355.29 Easting: 649782.14
Drilling Contractor: Cascade Drilling Lic.#4885 W. Bludworth	TD Borehole: 290 ft bgs TD Well: 285.5 ft bgs
Dates Drilled: 07/17/18 Date Completed: 07/17/18	Depth to Water: 279.61 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3510.33 ft amsl	Top of Casing Elevation: 3512.52 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	205		SP-SM			
	210		SP	208' - 214' Sand, very pale brown (10YR 7/4), poorly graded, fine to medium grain, subangular, loose, dry		
	215		GP-SW	214' - 226' Sandy Gravel, light brownish gray (10YR 6/2), fine subangular to subrounded gravel to 1", fine to coarse subangular sand, dry		
	220		SW			
	225		SW	226' - 236' Sand, with trace gravel to 1 1/4", brown (10YR 5/3), well graded, fine to coarse grain, angular to subrounded, dense, dry		
	230		SW			
	235		GP	236' - 243' Sandy Gravel, light brownish gray (10YR 6/2), fine to medium subrounded gravel to 1 1/2", fine to coarse sand, dry		
	240		GP			
	245		SP	243' - 248' Sand, pale brown (10YR 6/3), poorly graded fine to medium grain, subangular to subrounded, loose, dry		
	250		GW	248' - 256' Gravel with fine to medium grain sand, light brownish gray (10YR 6/2), fine to coarse rounded gravel to 2", dense		
	255		SW	256' - 261' Sand, very pale brown (10YR 7/3), well graded, angular to rounded, trace gravel to 1/2", dense to very dense, dry		
	260		SW			
	265		GW	261' - 270' Gravel with Sand, grayish brown (10YR 5/2), fine to coarse gravel and sand, subrounded to flattened		
	270		SW	270' - 286' Sand, pale brown (10YR 6/3) to brown (10YR 5/3), well graded, fine to coarse grain, subangular to subrounded sand, with subrounded to rounded 1" gravel increasing in content from 280' to 286', moist at 272' and saturatd at about 278'		
	275		SW			
	280		SW			
	285		SM	286' - 290' Silty Sand, light reddish brown (5YR 6/3), fine grain sand, some caliche nodules to 3 mm, very stiff, damp to dry, top of FGZ at 285' - 285.5'		
	290			Borehole Total Depth 290 ft bgs		
	295					

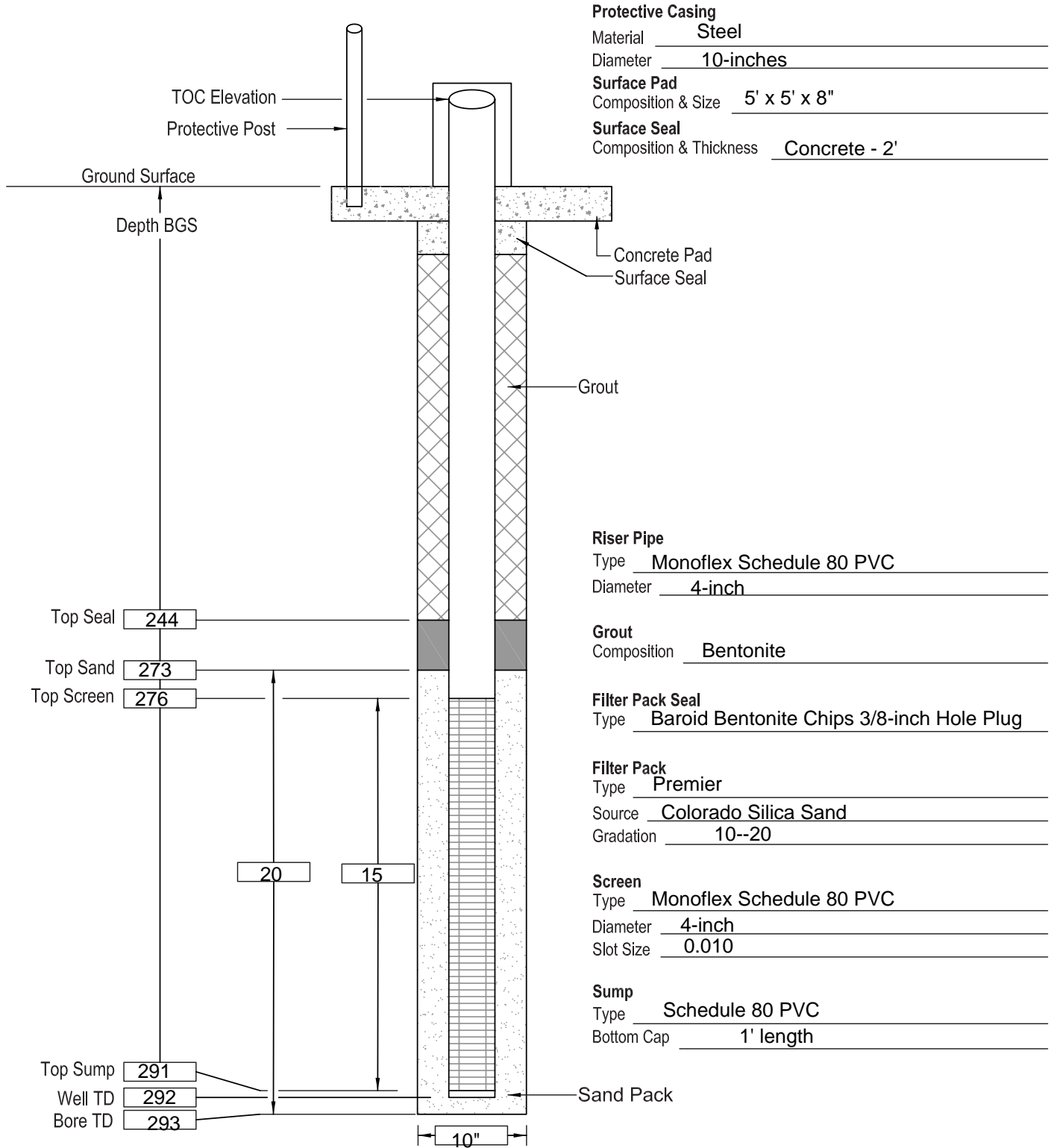
PTX06-1197
Triaxial Permeability
ASTM D5084
1.2E-06 cm/sec

Well Installation Diagram

Project: BOA 70 - Rel. 6
 Location: GEHM Farm Prop.
 Contractor: HII Nuclear
 Driller: Cascade
 Well Coordinates: N3750905.45 E650525.52
 TOC Elevation: 3513.35
 Surface Elevation: 3511.20

Well No: PTX06-1199
 Well Type: Perched Monitoring
 Date Constructed: 7-12-2018
 Observed By: J Ford

Sheet 1 of 1



PTX06-1199

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484614	Northing: 3750905.45 Easting: 650525.52
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 293 ft bgs TD Well: 292 ft bgs
Dates Drilled: 07/11/18 Date Completed: 07/12/18	Depth to Water: 281.1 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3511.20 ft amsl	Top of Casing Elevation: 3513.35 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	5		CL	0' - 6' Lean Clay, reddish brown (5YR 4/3), silty, low plasticity, cohesive, medium stiff, dry to damp		
	10		ML	6' - 28' Silt, light reddish brown (5YR 6/4), trace fine sand, low plasticity, slightly cohesive, stiff to very stiff, damp		
	15					
	20					
	25					
	30		SM	28' - 37' Silty Clayey Sand, reddish yellow (5YR 6/6), poorly graded, fine to very fine grain sand, increasing caliche nodules with depth up to 5 mm, medium dense, damp		
	35					
	40		SLT-STN	37' - 44' Caliche Silt, pinkish white (5YR 8/2), nodules to 1.5 cm, very dense, dry		
	45		SM	44' - 60' Silty Sand, pink (5YR 7/4) to reddish yellow (5YR 7/6), non-cohesive, fine grain sand, caliche nodules to 0.5 cm decreasing with depth, dense, dry		
	50					
	55					
	60		SM	60' - 68' Silty Sand, reddish yellow (5YR 6/6), fine grain, dense, dry		
	65					
	70		ML	68' - 76' Silt with Clay, reddish brown (5YR 5/3), low plasticity, non-cohesive, stiff, moist		
	75					
	80		SP-SM	76' - 86' Sand to Silty Sand, yellowish red (5YR 5/6), poorly graded, very fine to fine grain, subrounded, loose to medium dense, dry		
	85					
	90		SLT-STN	86' - 89' Caliche Caprock, pinkish white (5YR 8/2), very dense fragments to 8 cm, dry		
	95		SM	89' - 98' Silty Sand, pink (5YR 7/4) to light reddish brown (5YR 6/4), subangular to subrounded sand, loose to medium dense, dry		

PTX06-1199

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484614	Northing: 3750905.45 Easting: 650525.52
Drilling Contractor: Cascade Drilling Lic. #4885 W. Bludworth	TD Borehole: 293 ft bgs TD Well: 292 ft bgs
Dates Drilled: 07/11/18 Date Completed: 07/12/18	Depth to Water: 281.1 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3511.20 ft amsl	Top of Casing Elevation: 3513.35 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	105		SP-SM	98' - 117' Sand to Silty Sand, pink (5YR 7/4), subrounded to angular sand, some sandstone layers and caliche nodules to 0.5 cm, loose, dry		
	110					
	115					
	120		SP	117' - 143' Sand, pink (5YR 7/4), poorly graded, fine to very fine grain, subrounded to subangular, loose, dry		
	125					
	130			@ 128' color change to pink (7.5YR 7/4)		
	135					
	140					
	145		SP	143' - 152' Sand, very pale brown (10YR 7/4), poorly graded, fine to medium grain sand, angular to subrounded, numerous sandstone lenses, dense, dry		
	150					
	155		SP-SM	152' - 160' Sand to Silty Sand, pink (7.5YR 7/3), very fine to fine grain, subrounded, loose, dry		
	160					
	165		SP	160' - 167' Sand, pink (5YR 7/3), poorly graded, very fine to fine grain, subrounded, loose, dry		
	170		SM	167' - 178' Silty Sand, pink (7.5YR 7/3), non-plastic, fine grained, subangular to subrounded, loose, dry		
	175					
	180		SP-SM	178' - 183' Sand to Silty Sand, pink (7.5YR 7/3), very fine to fine grain, subrounded, loose, dry		
	185					
	190		SP	183' - 198' Sand, very pale brown (10YR 7/4), poorly graded, very fine to fine grain, subangular to subrounded, loose, dry		
	195					
			SM			

PTX06-1199

Pantex BOA 70 Release 6

Gehm Farms

DOE Pantex Plant

SN3 Project Number: 4638-06	Client: CNS Pantex Contract #74211
Geologist: J. Ford Texas Well Report No.: 484614	Northing: 3750905.45 Easting: 650525.52
Drilling Contractor: Cascade Drilling Lic. #4885 W. Blutworth	TD Borehole: 293 ft bgs TD Well: 292 ft bgs
Dates Drilled: 07/11/18 Date Completed: 07/12/18	Depth to Water: 281.1 ft bgs
Borehole Diameter: 10" Drilling Method: ARCH	Well Type: Monitoring Well, 4" Sch 80 PVC
Ground Elevation: 3511.20 ft amsl	Top of Casing Elevation: 3513.35 ft amsl

Completion	Depth (Ft.)	Lithology	USCS	Description	Sample	Sample Number
	205		SM	198' - 207' Silty Sand, pink (7.5YR 7/4) to light brown (7.5YR 6/4), fine grain, subrounded, loose, dry		
	210		SP	207' - 215' Sand, very pale brown (10YR 7/3), poorly graded, fine to medium grain, subangular, some sandstone lenses, medium dense, dry		
	215		SP	215' - 222' Sand with Gravel, very pale brown (10YR 7/3), fine to medium grain subangular to subrounded sand, subrounded to rounded gravel to 3/4", moderately dense		
	220		SP	222' - 233' Sand, pink (7.5YR 7/3), fine to very fine grain, subrounded, loose, dry to damp		
	225		SP			
	230		SP			
	235		SW	233' - 245' Sand and Gravel, very pale brown (10YR 7/3), fine to coarse grain subangular to rounded sand with 1/2" subrounded gravel below 238'		
	240		SW			
	245		SP	245' - 253' Sand, very pale brown (10YR 7/3), fine to medium grain, subrounded to subangular, loose, dry		
	250		SP			
	255		SW	253' - 266' Sand, light yellowish brown (10YR 6/4), well graded subangular sand with subrounded to rounded gravel to 3/4", medium dense, dry		
	260		SW			
	265		SW			
	270		GW	266' - 274' Gravel, light yellowish brown (10YR 6/4) to yellowish brown (10YR 5/4), well graded subrounded gravel to 1 1/2" with fine to coarse subangular sand, moist at 273'		
	275		SW	274' - 291' Sand with Gravel, brown (10YR 5/3) to yellowish brown (10YR 5/4), well graded fine to coarse subangular sand with gravel to 3/4", gravel size decreases with depth becoming pebbly, with flattened clasts 280' - 283'		
	280		SW	@ 281' saturated		
	285		SW	@ 288' - 290' subrounded to rounded and flattened gravel to 1 1/2"		
	290		ML-SM	291' - 293' Sandy Silt to Silty sand, pinkish white (5YR 8/2) to light reddish brown (5YR 6/3 - 6/4), fine grain sand, caliche nodules to 1/4", very dense, damp to dry with depth		
	295		ML-SM			

PTX06-1199
Triaxial Permeability
ASTM D5084
2.3E-08 cm/sec

STATE OF TEXAS PLUGGING REPORT for Tracking #179557

Owner: U.S. Department of Energy/ Pantex Plant Address: PO Box 30030 Amarillo, TX 79120 Well Location: Pantex Plant US60 @ FM2373 Panhandle, TX 79068 In plant, approx. 100 yards west of S. 11th St and 75 yards south of cement plant, in field. Well County: Carson	Owner Well #: PTX-BEG 2 Grid #: 06-44-5 Latitude: 35° 18' 28.01" N Longitude: 101° 34' 44.1" W Elevation: 3543
---	---

Well Type: **Monitor**

Drilling Information

Company: Fugro Geosciences	Date Drilled: 2/15/1992
Driller: David Fentley	License Number: 2791M

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8.5	0	420

Plugging Information

Date Plugged: **7/24/2018** Plugger: **William B. Bludworth**

Plug Method: **Tremmie pipe cement from bottom to top**

Casing Left in Well:

Dia (in.)	Top (ft.)	Bottom (ft.)
4	110	413

Plug(s) Placed in Well:

Top (ft.)	Bottom (ft.)	Description (number of sacks & material)
0	2	Topsoil
2	120	Cement 30 Bags/Sacks
240	417	Cement 20 Bags/Sacks

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **Cascade Drilling**
3621 Hwy 47
Peralta, NM 87042

Driller Name: **William B. Bludworth**

License Number: **4885**

Comments: **Well was tremmie-grouted from bottom of screen to 240' to insure seal between perched water and Ogalla formation. Attempted to overdrill casing to 300', but lost casing at 110'; grouted to surface.**

Original well report is in file WWD- ID 482448, Carson County D.I.M.S. Reports.

Portland sacks are 47 lb.

STATE OF TEXAS PLUGGING REPORT for Tracking #179296

Owner:	U.S. Dept. of Energy Pantex Plant	Owner Well #:	PTX06-1033
Address:	P.O. Box 30030 Amarillo, TX 79120	Grid #:	06-44-5
Well Location:	Pantex Plant	Latitude:	35° 18' 55.4" N
	Intersection of U.S. 60 and F.M. 2373 Panhandle, TX 79068	Longitude:	101° 32' 41.96" W
	8/10 mile north of US60 and 750' west of FM2373, in middle of crop field inside Pantex.	Elevation:	3541
Well County:	Carson		

Well Type: **Monitor**

Drilling Information

Company: Water Development Corporation	Date Drilled: 9/12/1996
Driller: Woodrow Lundsford, Jr.	License Number: 2516W

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	10	0	556

Plugging Information

Date Plugged: **7/24/2018** Plugger: **William B. Bludworth**

Plug Method: **Tremmie cement bottom to 2; topsoil to surface.**

Casing Left in Well:

<i>Dia (in.)</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
4	2	551

Plug(s) Placed in Well:

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description (number of sacks & material)</i>
0	2	Topsoil 1 Yards
2	551	Cement 80 Bags/Sacks

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **Cascade Drilling**
3621 Hwy 47
Peralta, NM 87042

Driller Name: **William B. Blutworth** License Number: **4885**

Comments: **Original well report is located in file WWD- ID 482448, Carson County D.I.M.S. Reports; TCEQ.**

Portland sacks weigh 47 lbs.

Top 2' backfilled w/ topsoil to allow for plow depth.

Report Amended on 8/24/2018 by Request #17130

Appendix H
Implementation and Maintenance
Reports for Remedial Actions

List of Reports

Post Injection Report Zone 11 In-Situ Bioremediation System Pantex Plant Amarillo, Texas.
February 2019.

Implementation Report Perched Aquifer Investigation Southeast of Pantex Plant July 2018 –
September 2018. September 2018.

Reports available by request. Email Webmaster@Pantex.com for information.

Appendix I

Hydrologic Evaluation – East and Southeast Zones of the Perched Groundwater at the Pantex Plant



U.S. Department
of Energy/

National Nuclear
Security
Administration

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**Hydrologic Evaluation –
East and Southeast Zones of
the Perched Groundwater at
the Pantex Plant**

2018 Update

May 2019

Hydrologic Evaluation

East and Southeast Zones of the Perched Aquifer at the Pantex Plant

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Attachments

Attachment 1: Comparison of 2009 and 2018 Perched Aquifer Groundwater Elevations

I. Introduction

This updated evaluation is included in the 2018 Annual Progress Report as a result of key findings in the First Five-Year Review Report (Pantex 2013). The report recognized that perched groundwater COC plumes continue to move and/or expand downgradient, especially to the east of FM 2373 and in the southeastern lobe of the perched aquifer. As stated in the Groundwater Remedy Effectiveness Evaluation (Trihydro 2012) conducted as part of the First Five-Year Review, portions of these areas are not under the short-term influence of the SEPTS and may not be under the long-term influence because of limited saturated thickness or other limiting hydrogeologic conditions (see Figure 1).

Because of the issues identified, Pantex has included this more detailed evaluation of these areas as a supplement to the standard annual reporting efforts, which tend to focus more on the operation of installed remedial actions and effects on the perched groundwater system as a whole rather than these areas near the fringe of perched groundwater that may or may not be influenced by the installed remedial actions. This report is the seventh focusing on these areas and includes updated information based on recently collected data. The 2018 update includes discussion of water level and COC concentration data including new information regarding the investigation, delineation, and remediation of the unexpected presence of perched groundwater and HEs at the southeast boundary of Pantex property.

Even though several high explosive compounds are found in this region, this report focuses on the RDX plume because it is the most widespread COC occurring at the highest concentrations in these areas and has been consistently used in prior reporting and evaluations to represent the southeast plume. The following sections discuss RDX concentrations, trends, and apparent plume movement in perched groundwater east of FM 2373, the effects of pump and treat operations over time, and recent developments in this area.

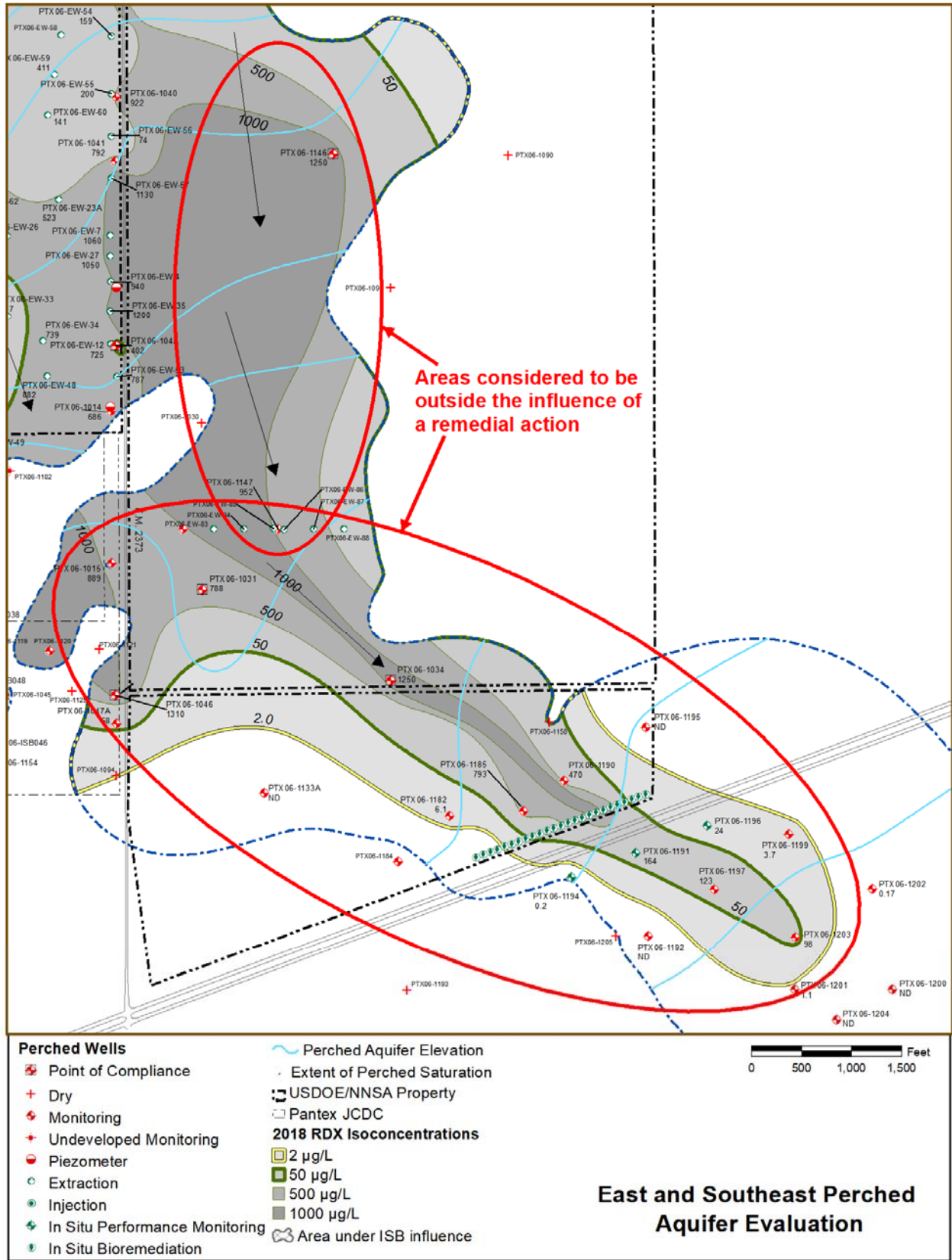


Figure 1. Areas of Perched Groundwater outside the Influence of Remedial Actions

II. Wells Evaluated

Many wells have been installed in the areas previously identified as being outside the influence of a remedial action depicted in Figure 1 with fourteen new monitoring wells installed in 2018 and January 2019 in order to determine the nature and extent of the HE plume in this area of perched groundwater. These wells are discussed in detail below and include:

- PTX06-1015
- PTX06-1030
- PTX06-1031
- PTX06-1034
- PTX06-1046
- PTX06-1047A
- PTX06-1094
- PTX06-1120
- PTX06-1121
- PTX06-1133A
- PTX06-1146
- PTX06-1147
- PTX06-1182
- PTX06-1184
- PTX06-1185
- PTX06-1186
- PTX06-1190
- PTX06-1191¹
- PTX06-1192¹
- PTX06-1194¹
- PTX06-1195¹
- PTX06-1196¹
- PTX06-1197¹
- PTX06-1199¹
- PTX06-1200¹
- PTX06-1201¹
- PTX06-1202¹
- PTX06-1203¹
- PTX06-1204¹

Additionally, six dry wells are installed in this region of perched groundwater and help define the perched extent. These wells are monitored at least twice per year for water levels and will be included in this evaluation if water is observed in these wells. These dry wells include:

- PTX06-1090
- PTX06-1091
- PTX06-1094
- PTX06-1125
- PTX06-1158
- PTX06-1193¹
- PTX06-1205¹

PTX06-1015 was installed in 1995 on Texas Tech property approximately 150 feet west of FM 2373. RDX concentrations in this well have exceeded GWPS since installation and have fluctuated near 1,000 ug/L since 2010. Historically, this well was the closest downgradient to the SEPTS extraction well field so it may have been the first well to realize effects of extraction. However, an expanding area of no perched saturation now separates this well from the primary area affected by the SEPTS extraction well field. Water levels in this well have been consistently declining at a rate of about 0.43 ft/year since the start of remedial actions. The water level dropped about 2.3 ft from August to December 2018 with the December 2018 measurement indicating the water level has dropped below the bottom of the well screen into the sump. A

¹ Well installed in 2018 or 2019.

similar rapid decline in water level has been observed at other perched wells (e.g., PTX06-1030) in the southeast area near the extent of saturation.

PTX06-1030 and PTX06-1031 were installed in 1996 approximately 750 feet east of FM 2373 on the former Cockrell property, which was eventually purchased by DOE in 2008. RDX concentrations in PTX06-1030 exceeded GWPS since monitoring began in 1996, typically ranging from 500 – 2,000 ug/L. However, a generally decreasing trend in RDX was indicated by the data collected since the start of remedial actions in 2009. The water level in this well declined rapidly in December 2017 to below the bottom of the screen with no water observed in 2018, so this well could not be sampled in 2018. PTX06-1031, which was installed approximately 1,700 feet south of PTX06-1030, had non-detect RDX results in 1996 followed by a gradual increasing trend in RDX through 2007 to near 700 ug/L. RDX concentrations have fluctuated since that time between 400 and 800 ug/L. The Mann-Kendall statistical evaluation indicates No Trend in the last four samples. Water levels in PTX06-1031 are decreasing since the start of remedial actions with recent observations (over the last two years) declining at a rate of 0.41 ft/year.

PTX06-1034 was installed in 1998 in the southeast lobe of perched groundwater (former Cockrell property) and was the furthest downgradient sampled well in the area until the installation of PTX06-1182 in 2016. RDX was initially non-detect in this well, but concentrations began to dramatically increase in 2005. Since 2014, concentrations have fluctuated between about 700 and 1,250 ug/L with the Mann-Kendall statistical evaluation indicating a Stable Trend for the last four samples. Water levels at this well have declined since the start of remedial actions, but recent data have been stable with no decline observed since 2015. Because of the concern over increasing COC trends in this well, Pantex installed an additional well (PTX06-1158) further east of PTX06-1034 in 2012, but that well has been dry since installation.

PTX06-1046 and PTX06-1047A were installed on Texas Tech property in 2000. RDX concentrations have exceeded GWPS in PTX06-1046 since monitoring began in 2000 and remained above 1,000 ug/L since 2011 until the most recent sample in November 2018. The Mann-Kendall statistical evaluation indicates a Decreasing Trend over the last four samples. RDX was initially non-detect in PTX06-1047A, installed approximately 300 feet south of PTX06-1046, until concentrations rapidly increased in 2006. RDX levels in PTX06-1047A appear to have peaked in 2012 at over 600 ug/L and subsequently dramatically decreased to less than 10 ug/L in 2014. Recent concentrations show No Trend with a concentration of 68 ug/L in the most recent sample from 2018. While these trends conflict with the general north-south gradient believed to be driving groundwater movement in the area, the measured concentrations have remained much lower than previous observations for several years. Water levels in both wells have been declining at a rate of about 0.5 ft/year since the start of remedial actions.

PTX06-1094 was previously believed to be a dry well. However, based on observations of perched saturation at PTX06-1133A, PTX06-1182, and other wells installed in this area, the drilling and construction records for this well were reviewed. With the context provided by surrounding perched water levels as observed at PTX06-1047A and PTX06-1133A, this review

determined that the bottom of the screen was set approximately 10 ft above the top of the FGZ. Therefore, perched saturation is likely present at this location with the water table below the bottom of the screen. Therefore, this well has not used to constrain the extent of perched saturation in this area for the 2017 or 2018 mapping.

PTX06-1120 and PTX06-1121 were installed east of the Southeast ISB system in 2007 and were considered to be dry when completed; however, water appeared in both wells when measured in 2008 and routine sampling commenced in 2010. Subsequently, dry conditions were observed in both wells in 2017, and PTX06-1121 has remained dry. Although water was measured in PTX06-1120 in May and June 2018, the water was insufficient to collect a sample. Water was observed in the sump of this well in November and December 2018. PTX06-1121 has not been sampled since 2012 because of insufficient water. Historically, RDX concentrations ranged from approximately 2,000 to 4,000 ug/L in PTX06-1120 and from about 800 to 1,300 ug/L in PTX06-1121.

PTX06-1133A was installed in 2008 south of the known extent of perched saturation. The well was initially dry and remained dry until June 2011 when more than 3 ft of water was observed in the well. Saturation continued to be observed in this well until December 2013 when the water level suddenly declined to below the bottom of the screen. Water continued to be detected in the sump of the well until June 2016 when about 2 ft of water was found in the well. Water levels were increasing through May 2018, but declined through the end of the year. RDX was detected for the first time in this well in 2016 at levels below the GWPS, but was non-detect in samples collected in 2017 and 2018.

PTX06-1146 and PTX06-1147 were installed along the eastern edge of the estimated perched extent in 2008. When sampling began in 2009, RDX concentrations in PTX06-1146 were around 1,400 ug/L and increased until early 2011 when the concentrations appeared to have peaked. RDX concentrations have fluctuated near 1,000 ug/L since 2012, and the Mann-Kendall statistical evaluation indicates No Trend in RDX for the last four samples. RDX concentrations in PTX06-1147, installed approximately 3,800 feet south/southwest of PTX06-1146, increased from approximately 400 ug/L to over 1,000 ug/L from 2009 through 2013. Since 2014, RDX concentrations have fluctuated significantly from about 600 to near 1,200 ug/L with a concentration near 800 ug/L observed in the most recent sample in 2018. Water levels in both wells are declining at rates of 0.63 and 0.36 ft/year, respectively, based on data collected during the last two years.

PTX06-1182 was installed in July 2016 outside the known extent of perched saturation in the southeast; however, almost seven feet of saturation was found in this well indicating perched water and contamination have migrated farther to the southeast. RDX was detected above the GWPS at 23 ug/L in both samples collected from this well in 2017; however, RDX concentrations declined to below GWPS in the most recent sample collected in 2018. Water level data indicate an increasing trend at 0.13 ft/year based on data collected through 2018.

In response to the detection of HEs in PTX06-1182, Pantex installed a series of additional wells to define the extent of the plume to the southeast. Five wells, PTX06-1184, PTX06-1185, PTX06-1186 (now PTX06-ISB107), PTX06-1190, and PTX06-1195, were drilled on Pantex property. To the east of PTX06-1182, RDX was detected at PTX06-1185 at 649 ug/L and at PTX06-1190 at 284 ug/L but was not detected at PTX06-1195. RDX was also detected below the GWPS at PTX06-1184, but this well has very little water above the bottom of the screen. RDX concentrations in 2018 were higher in both PTX06-1185 and PTX06-1190 than previous samples.

Because of the unexpected presence of HEs at the southeast boundary of the site, Pantex determined, with input from the TCEQ and EPA, the best approach would be to extend the Southeast ISB to remediate the HEs in this area. Pantex completed drilling a line of injection wells (PTX06-ISB108 through PTX06-ISB131) in December 2017. HEs were also detected in most of these wells with the highest concentration of 1,280 ug/L observed at PTX06-ISB124. Because these wells are closely spaced at 75 ft apart, initial monitoring of RDX concentrations before the first injection provides a detailed observation of the distribution of RDX along a transect of the plume. The total width of the RDX plume (as defined by the GWPS) in this area is estimated to be less than about 2,000 ft as shown in Figure 1, and concentrations were observed to decrease to less than about 10 percent of the maximum within 300 ft to the east and within 600 ft to the west of PTX06-ISB124. Based on this data combined with observations at other wells upgradient, movement of the plume in this area appears to be associated with preferential groundwater flow paths along channel-type features in the top of the FGZ.

The first injection event for the Southeast ISB Extension was completed in February 2019 using a soluble carbon (molasses) based on the success with distribution of molasses at the Zone 11 ISB and the extended lead time needed to order EVO. Pantex plans to continue injection at this system using molasses only to improve distribution and treatment. Because this system has not been treated with EVO, injections have been scheduled at a frequency of approximately six months. Pantex is planning to inject this system again in August 2019.

Thirteen additional wells, PTX06-1191, PTX06-1192, PTX06-1193, PTX06-1194, PTX06-1196, PTX06-1197, PTX06-1199, PTX06-1200, PTX06-1201, PTX06-1202, PTX06-1203, PTX06-1204, and PTX06-1205 were drilled in 2018 and early 2019 on the properties to the south and east across U.S. Highway 60. The approximate centerline of the RDX plume was detected above the GWPS at PTX06-1191 at 164 ug/L, PTX06-1197 at 123 ug/L, and PTX06-1203 at 98 ug/L and to the northeast at PTX06-1196 at 24 ug/L and PTX06-1199 at 3.7 ug/L. The plume is bounded to the southwest, south, and southeast by detections below the GWPS at PTX06-1194, PTX06-1201, and PTX06-1202 and by non-detect results at PTX06-1192, PTX06-1200, and PTX06-1204. No perched groundwater was encountered at PTX06-1193 or PTX06-1205.

Although the extent of perched groundwater has not been defined to the southeast, it appears that Pantex has now delineated the extent of HEs in this area of perched groundwater. Pantex has plans to drill an additional well in 2019 east of PTX06-1200 to eliminate the conceptual

uncertainty that a narrow plume of RDX may be migrating within a paleochannel between PTX06-1200 and PTX06-1202.

III. Pumping Effects

If the perched groundwater elevation contours are compared from 2009 to 2018 (Attachment 1), positive effects of pump and treat operations are apparent, including the reduction of the mound of groundwater beneath Playa 1 and a general shift of groundwater contours to the north in the SEPTS well field indicating reduction of saturated thickness. Further south, perched groundwater elevation contours have remained constant or actually shifted to the southeast in the extreme southeast lobe of perched groundwater because of the observed increases of saturated thickness in PTX06-1034 and PTX06-1133A along with the new data from recently drilled wells. The extent of perched saturation in the extreme southeast lobe has changed substantially for 2018 because of the new information collected from these wells.

The other noticeable change in the maps is the apparent spread of the dry zone located south of the SEPTS well field caused by the decline of saturated thickness observed at PTX06-1102, PTX06-1014, PTX06-1015, and PTX06-1030. This dry zone will likely continue to expand as pump and treat operations continue to reduce saturated thickness of the perched aquifer upgradient of this area.

These observations are also supported by the 2018 Capture Zone analysis results which are depicted in Figure 2. The capture zones represent areas of influence over a five-year pumping period using 2018 well operational data coupled with a single layer groundwater model specifically developed for evaluating remedial options in the perched aquifer. These capture zones reflect the emphasis Pantex has placed on operating the highest priority wells at SEPTS to continue capture of water along the FM 2373 fence line and along the highest plume concentrations to the south on Texas Tech property. On the eastern side, the area of influence extends only slightly east of FM 2373 because of the impact of the reduction in perched water levels on the ability to extract water, leaving a large area to the east unaffected by SEPTS system operations.

As recommended in the 2015 Annual Progress Report, Pantex has extended SEPTS extraction east of FM 2373 to limit further migration of impacted perched water southward along the eastern margin of the perched aquifer. This action is in agreement with the selection of the SEPTS in the ROD as the final remedy to stabilize migration and treat perched groundwater contaminants. A total of seven potential new extraction wells were installed east of FM 2373 in a line running east-to-west. Data collected from these wells indicate this is an area of greater saturated thickness than found to the north or south, but only six of the seven wells indicated favorable hydrogeologic conditions for extraction. Design of the SEPTS extension began in 2017, and tie-in of the new extraction wells east of FM 2373 to SEPTS was completed in March 2019. The six new extraction wells began operating consistently in May 2019.

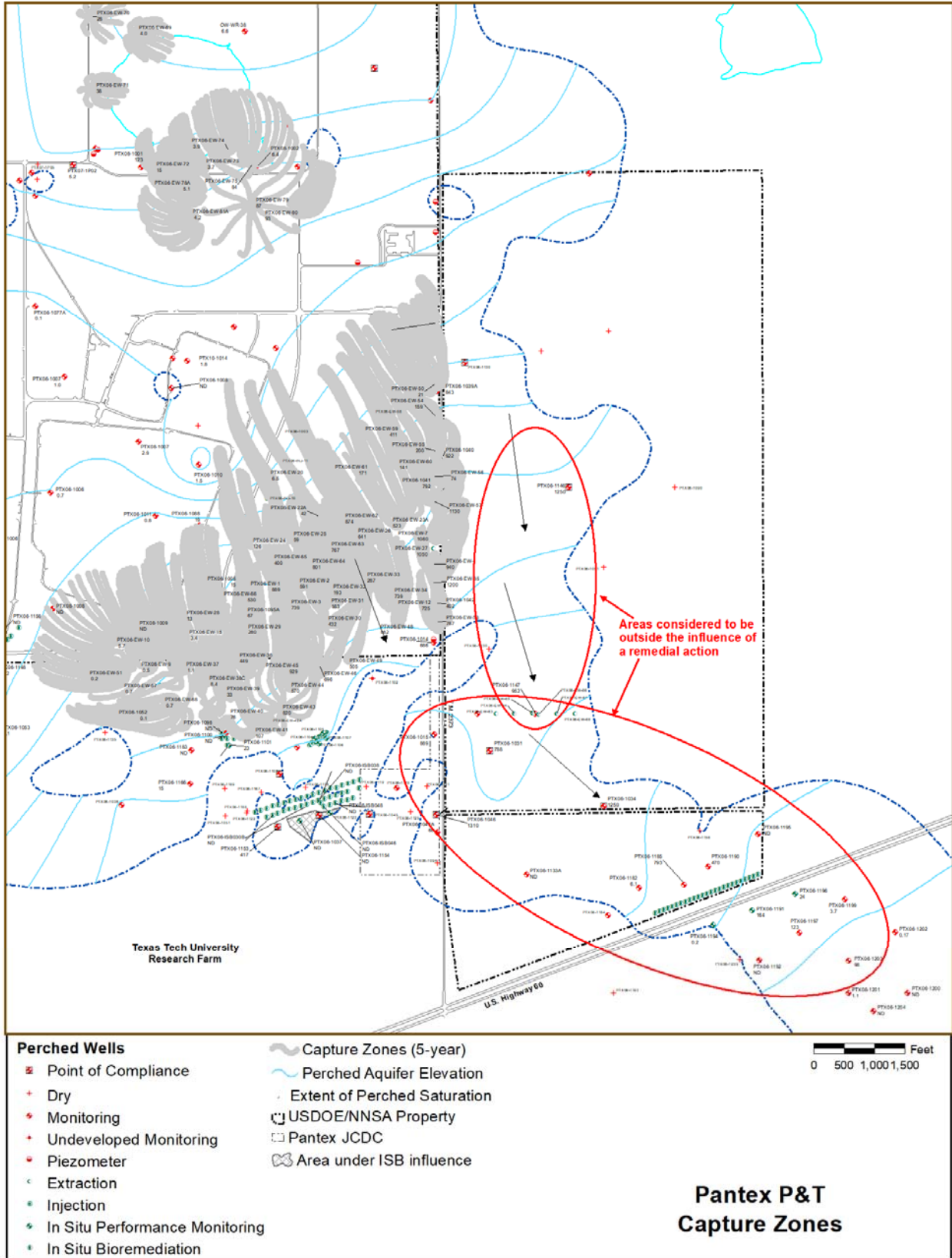


Figure 2. SEPTS Capture Zones

IV. Indicators of Plume Movement

In order to evaluate and attempt to quantify plume movement in the areas that are unlikely to be affected by pump and treat operations, RDX concentrations were plotted over time on the same axis for:

- PTX06-1030
- PTX06-1031
- PTX06-1034
- PTX06-1147

These wells were chosen because they are generally located in a line following the groundwater gradient in the area, which shifts from southerly (in the northern region) to southeasterly (in the southern region).

As depicted in Figure 3, RDX data have been collected in PTX06-1030 and PTX06-1031 since 1996. At that time, the RDX plume had already reached PTX06-1030 because, with the exception of a single data point, the concentrations consistently exceeded 200 ug/L. Concentrations subsequently increased to values ranging around 1,500 ug/L, increased sharply in 2011, and were exhibiting a somewhat stable trend at about 1,100 ug/L before the well became dry in 2017. In PTX06-1031, RDX concentrations were at or near detection limits until 1998, then gradually increased through 2008. RDX concentrations have fluctuated since that time between 400 and 800 ug/L and are not currently exhibiting a trend.

RDX was non-detect in PTX06-1034 until 2002, then concentrations began to steadily increase. In 2010, concentrations began increasing at a much faster rate and exceeded 1,000 ug/L for the first time in 2016 and have since fluctuated between about 800 ug/L and 1,250 ug/L. The rate of increase in concentrations appears to be much faster than the rate at PTX06-1031 and concentrations are higher than the highest values observed at PTX06-1031. Therefore, it appears that the RDX detected in PTX06-1034 more likely migrated from the perched groundwater to the east represented by PTX06-1147.

High concentrations of RDX had already reached PTX06-1147 when installed in 2009. Concentrations in this well, installed between PTX06-1030 and PTX06-1034 but shifted to the east, increased from approximately 400 ug/L to over 1,400 ug/L in 2012. Recent data indicate that RDX concentrations are variable but somewhat lower near about 800 ug/L in this well.

PTX06-1182 was installed in 2016 in an area that was previously thought to be beyond the extent of perched saturation; confirmation of RDX above the GWPS led to the installation of additional wells downgradient to determine the extent of perched groundwater and contaminants in this area.

Because of the limited historical RDX concentration data available for this area, estimates of the rate of plume movement have high uncertainty. Well to well estimates of plume arrival downgradient of PTX06-1034 indicate plume velocities of about 360 ft/yr based on recent

observations at PTX06-1190 and PTX06-1203. In contrast, the RDX plume appears to have been moving downgradient at a rate of 100 to 200 ft/yr from PTX06-1030 to PTX06-1034 considering the temporal changes in concentration observed at these two wells.

Pantex has contracted for an update of the perched groundwater fate and transport model and evaluation of treatment options for the off-site southeast plume. This work is expected to be completed in June 2019. Preliminary information from this work indicates RDX movement at a rate of about 260 ft/yr in this area, in the middle of the well to well estimates. This modeling incorporates assumptions of RDX transport occurring primarily within a paleochannel at the top of the FGZ.

This rate of transport appears to be faster than groundwater velocities estimated for the SEISB conceptual site model, but similar to those groundwater velocities estimated for the Zone 11 ISB conceptual site model (Trihydro 2011). Note that the ISB velocities were estimated using slug testing techniques in ISB injection wells, which may or may not be representative of conditions in the surrounding formation.

Perched groundwater continues to be observed in PTX06-1133A. This well was dry when installed in 2009 and remained dry until 2011, when approximately 3 feet of water entered the well. Observed water levels subsequently declined through 2013 when the water level dropped below the bottom of the well screen. This well was sampled from December 2011 through May 2013; all VOCs and HEs were non-detect in those samples. Water was again measured in PTX06-1133A in 2016 with about 2 ft of saturation above the bottom of the screen. RDX was not detected in samples collected in 2017 and 2018.

These water level measurements and analytical results could suggest that the perched extent was slowly expanding in the area and “old” perched groundwater, unaffected by Pantex Plant operations, had now moved into this well. Alternatively, these data could indicate the influence of enhanced recharge following the very high rainfall that occurred in 2010 and again in 2014 through the large borrow pit located further south near U.S. Highway 60. However, because of the fluctuating saturated and dry conditions in this well, it is unknown whether the saturated conditions in the well are caused by an expanding extent of perched groundwater from the north or south, or by some other unknown phenomena. This well will continue to be monitored and will be sampled if sufficient water is available.

As summarized in Figure 4, the wells in the far southeastern lobe of perched groundwater are exhibiting various statistical trends in RDX considering the 2009 – 2018 data with increasing trends noted at PTX06-1031 and PTX06-1034 and decreasing, stable, or no trend indicated at other wells based on available data. As shown in Figure 3, RDX concentrations in the wells in this area are somewhat stable over the past few years with no clear increasing or decreasing trends. These conditions may be caused by mass removal upgradient and some mixing with unaffected water in the region.

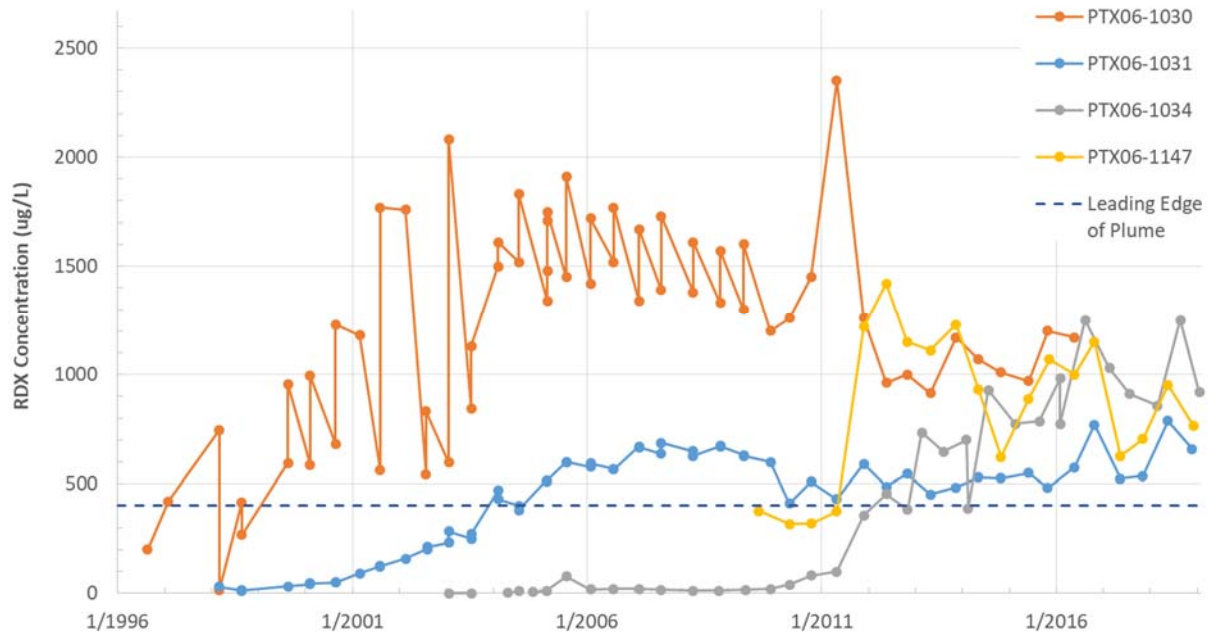


Figure 3. RDX Concentrations over time, Southeast Perched Aquifer Wells

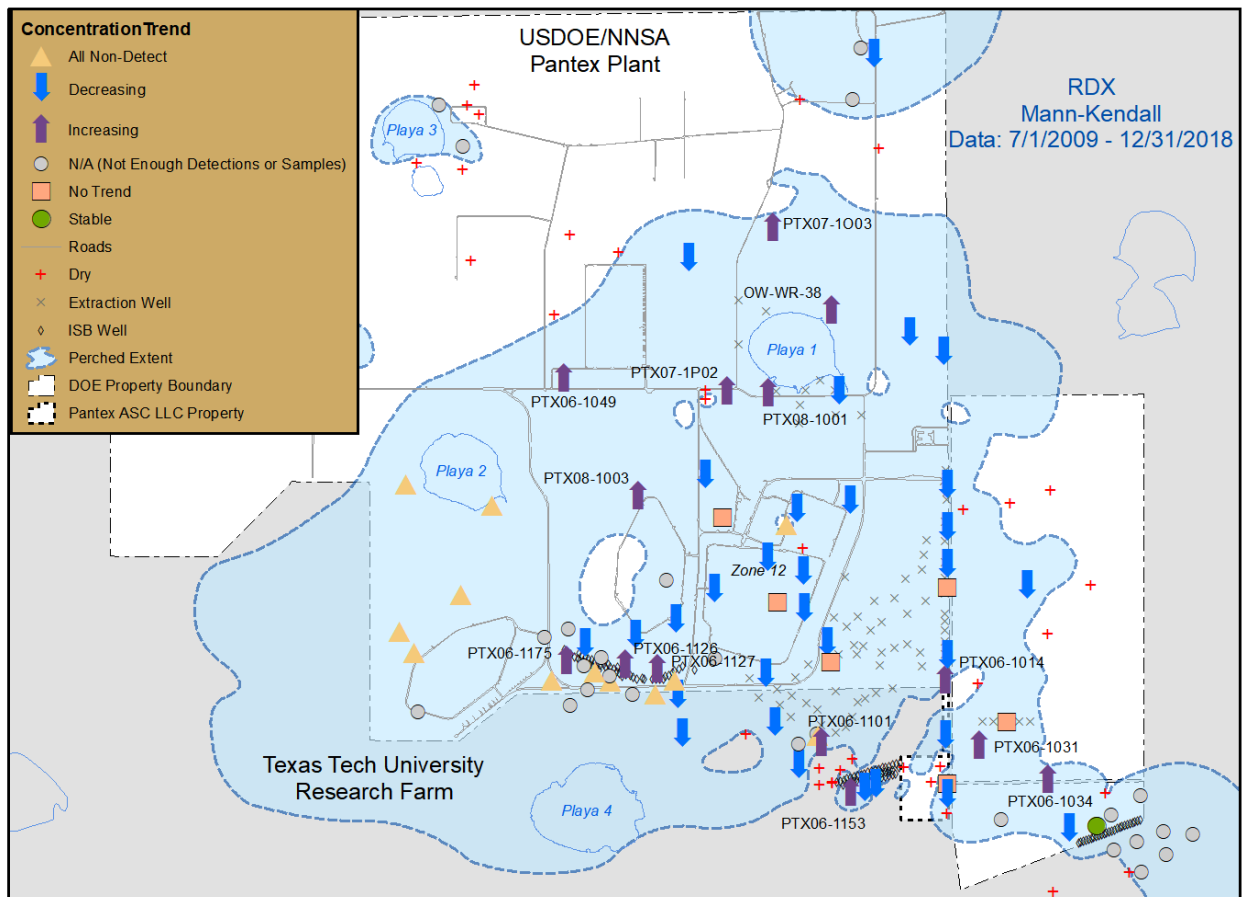


Figure 4. Recent RDX Trends in the Perched Aquifer

V. Conclusions

This report has been included in the Annual Progress Reports since 2013 to address a finding in the First Five-Year Review Report that perched groundwater COC plumes continue to move and/or expand downgradient, especially to the east of FM 2373 and in the southeastern lobe of the perched aquifer. Since that time, Pantex has installed a network of wells in this area to delineate the extent of HE contamination in perched groundwater, completed installation and begun operation of six new extraction wells east of FM 2373, and begun the process of establishing an ISB treatment zone at the southeastern property boundary along Highway 60 to prevent further offsite migration of HE contaminants. Because migration of the HE plume in this area appears to be associated with channel-type features in the top of the FGZ, this treatment technology is expected to be effective at preventing the migration of additional contaminant mass beyond the Pantex property line in this area.

In addition, Pantex is currently in the process of updating the perched groundwater fate and transport model to assist with evaluation of treatment options for the off-site plume. This work includes an updated conceptual model for the southeastern lobe of perched groundwater that incorporates assumptions of RDX transport occurring primarily within a paleochannel at the top of the FGZ. Model development is expected to be completed in June 2019.

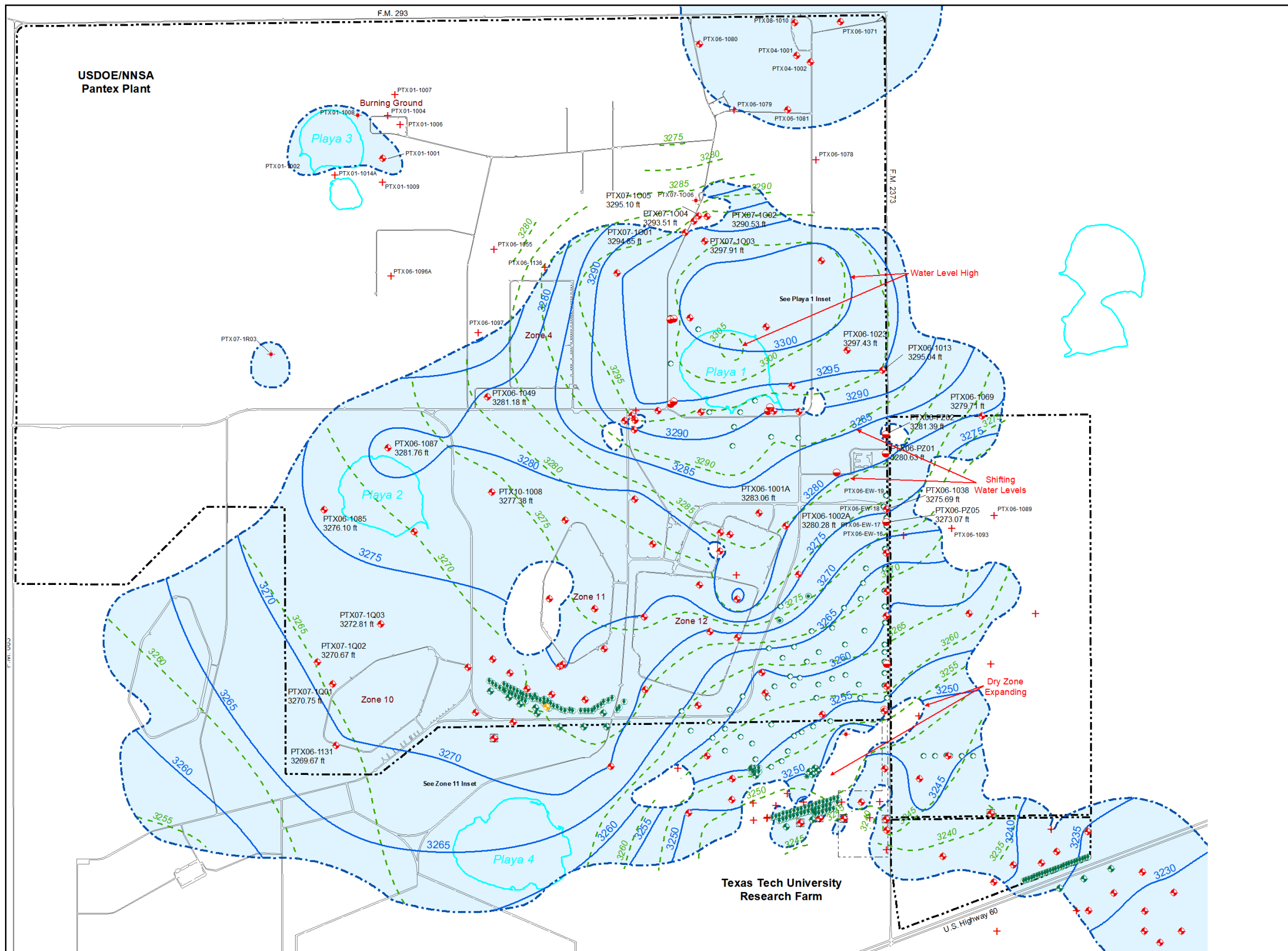
With the extent of contamination apparently delineated in the southeastern lobe of perched groundwater and initial operation of remediation systems in this area, the uncertainty that led to the finding in the First Five-Year Review Report has been addressed, and this annual evaluation is no longer needed as a supplement to the Annual Progress Report. The performance of the operation remedial actions in the southeastern lobe, along with the evaluation of treatment options for the offsite HE plume, will be discussed in future Annual Progress Reports and will also be evaluated in future Five-Year Reviews.

VI. References

- Pantex (2013). *Final Five-Year Review Report*. First Five-Year Review Remedial Action Progress. August 2013.
- Pantex (2015). *2014 Annual Progress Report*. Prepared for USDOE/NNSA Pantex Plant. June 2015.
- TriHydro (2012). *Groundwater Remedy Effectiveness Evaluation for the CERCLA Five-Year Review Pantex Plant, Amarillo, Texas*. November 2012.
- TriHydro (2015). *Implementation Report for Pump Test East of FM 2373*. December 2015.

Attachment 1

Comparison of 2009 and 2018 Groundwater Elevations



Legend

- Point of Compliance
- Monitoring
- Undeveloped Monitoring
- Piezometer
- Dry
- Extraction
- Injection
- Treatment Zone Monitoring
- In Situ Performance Monitoring
- In Situ Bioremediation
- Permeable Reactive Barrier
- USDOE/NNSA Property
- Pantex JCDC
- Playas
- Extent of Perched Saturation
- Water Table Contours - ft**
- December 2018
- December 2009

N
0 1,000 2,000 3,000 Feet

**Annual Progress Report
USDOE/NNSA Pantex Plant
June 2019**

Groundwater Elevations
Site-Wide Perched Aquifer