

ATTACHMENT 4: FIELD LOGS

This attachment contains the groundwater sample collection field logs for the relatively shallow standpipe monitoring wells (MW-1, MW-5 through MW-10, MW-13, MW-15, and MW-16), as well as the field data sheets for the Westbay™ multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26). Groundwater sample collection for the 3rd Quarter 2012 sampling event was conducted by Blaine Tech Services, Inc.

Note: no samples were collected from MW-1 or MW-9 during the third quarter 2012 sampling event.

WELL MONITORING DATA SHEET

Project #: 120824-AW1	Site: JPL Pasadena
Sampler: A Wolff	Gauging Date: 9-7-12
Well I.D.: MW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 140	Depth to Water (DTW): 80.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI Pro Plus
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 92.52	

Purge Method: Disposable Bailer Watera Sampling Method: Disposable Bailer
 Positive Air Displacement 2" Rediflo pump Extraction Port
 Electric Submersible Extraction Pump Dedicated Tubing
 Other: Dedicated RFZ Other:

Flow Rate = 3 gpm
 Start Purge Date = 9-7-12 Pump @ 125'
38.6 (Gals.) X 3 = 115.8 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°C)	pH	Cond. (mS or μS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	DTW
1230	15.6	6.82	492	2.84	0.18	-19.4	21	80.88
1237	15.6	6.71	487	2.81	0.08	-50.4	42	80.88
1244	15.6	6.70	489	2.42	0.29	-73.6	63	80.88
1251	15.5	6.70	489	1.78	0.67	-101.6	84	80.88
1257	15.5	6.70	488	1.75	0.81	-110.4	102	80.88
1303	15.5	6.70	489	1.71	0.78	-115.9	120	80.88

Did well dewater? Yes No Gallons actually evacuated: 120

Sampling Date: 9-7-12 Sampling Time: 1305 Depth to Water: 80.88

Sample I.D.: MW-5 Laboratory: BC Labs

Analyzed for: See C.O.C. Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120824-AW-1	Site: JPL, Pasadena
Sampler: AW	Gauging Date: 9-10-12
Well I.D.: MW-7	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 275	Depth to Water (DTW): 218.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type YSI Pro Plus
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 229.52	

Purge Method: Water Sampling Method:

Disposable Bailer 2" Rediflo pump Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other Dedicated RF2 Dedicated Tubing
Other: _____

Flow Rate = 3 gpm
 Start Purge Date = 9-10-12 Pump @ 265

370 (Gals.) X 3 = 1110 Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	DTW
1229	24.0	7.04	636	51.0	3.52	238.2	21	218.47
1235	24.1	6.99	632	14.7	3.33	241.7	39	218.47
1241	24.1	6.99	632	9.04	3.33	237.9	57	218.47
1247	24.1	6.99	633	7.37	3.36	233.1	73	218.47
1253	24.1	6.97	632	3.95	3.34	231.2	91	218.47
1259	24.1	6.96	632	3.49	3.34	230.7	111	218.47

Did well dewater? Yes No Gallons actually evacuated: 111

Sampling Date: 9-10-12 Sampling Time: 1300 Depth to Water: 218.47

Sample I.D.: MW-7 Laboratory: BC Labs

Analyzed for: See C.O.C. Other: _____

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

FB I.D. (if applicable): _____ @ _____ Time Analyzed for: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: <u>120824AW-1</u>	Site: <u>JPL, Pasadena</u>
Sampler: <u>A Wolff</u>	Gauging Date: <u>9-7-12</u>
Well I.D.: <u>MW-10</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>155</u>	Depth to Water (DTW): <u>95.36</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type <u>YSI Pro Plus</u>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>107.28</u>	

Purge Method:

Disposable Bailer
 Positive Air Displacement
 Electric Submersible
 Water
 2" Rediflo pump
 Extraction Pump
 Other _____

Sampling Method:

Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: Acad Tubing

Flow Rate = 2 gpm * 3 gpm

Start Purge Date = 9-7-12 Pump @ 140'

$38.8 \text{ (Gals.)} \times 3 = 116.4 \text{ Gals.}$
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	DTW
0929	19.8	6.72	459	10.3	4.03	24.2	20	95.36
* 0939	19.8	6.73	473	5.70	4.56	31.6	40	95.36
0946	19.8	6.76	475	3.95	4.17	39.4	61	95.40
0953	19.8	6.72	483	3.96	4.35	20.7	82	95.40
1000	19.8	6.72	483	4.03	4.48	19.6	103	95.40
1006	19.8	6.71	484	3.94	4.31	20.2	120	95.40

Did well dewater? Yes No Gallons actually evacuated: 120

Sampling Date: 9-7-12 Sampling Time: 1010 Depth to Water: 95.40

Sample I.D.: MW-10 Laboratory: BC Labs

Analyzed for: See G.O.C. Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120824AW-1	Site: JPL, Pasadena
Sampler: AWolff	Gauging Date: 9-7-12
Well I.D.: MW-13	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 235	Depth to Water (DTW): 189.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type <u>YSI-Pro Plus</u>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 207.64	

Purge Method:

Disposable Bailer
Positive Air Displacement
Electric Submersible

Wattera

2" Rediflo pump
Extraction Pump
Other Dedicated RFZ

Sampling Method:

Disposable Bailer
Extraction Port
Dedicated Tubing
Other:

Flow Rate= 3gpm

Start Purge Date= 9-7-12 Pump @ 220'

29.6 (Gals.) X 3 = 88.8 Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°C)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	DTW
0725	22.2	6.59	615	9.01	5.28	115.6	15	189.63
0730	22.3	6.62	604	7.41	5.14	107.3	30	189.63
0735	22.3	6.65	603	5.35	5.08	100.6	45	189.63
0740	22.3	6.69	602	2.80	5.01	91.1	60	189.63
0745	22.3	6.70	601	2.16	4.96	86.3	75	189.63
0750	22.3	6.71	602	2.03	5.02	82.2	90	189.63

Did well dewater? Yes No Gallons actually evacuated: 90

Sampling Date: 9-7-12 Sampling Time: 07:55 Depth to Water: 189.63

Sample I.D.: MW-13 Laboratory: BC Labs

Analyzed for: See COC. Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 120824 AW-1	Site: JPL, Pasadena
Sampler: A Wolff	Gauging Date: 9-10-12
Well I.D.: MW-15	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 74	Depth to Water (DTW): 34.06
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI-Pro Plus
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 42.04	

Purge Method: Disposable Bailer Waterra Sampling Method: Disposable Bailer
 Positive Air Displacement 2" Rediflo pump Extraction Port
 Electric Submersible Extraction Pump Dedicated Tubing
 Other: Dedicated RF2 Other:

Flow Rate = 4 gpm
 Start Purge Date = 9-10-12 Pump @ 54'

26.0 (Gals.) X 3 = 78.0 Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°C)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	DTW
1026	16.6	7.08	417	9.34	0.13	174.3	13	34.75
1030	16.6	7.07	418	8.51	0.15	174.0	26	34.75
1033	16.6	7.07	418	4.24	0.15	173.4	39	34.76
1036	16.6	7.08	417	4.32	0.15	172.2	52	34.77
1040	16.6	7.10	417	2.56	0.14	171.0	65	34.79
1043	16.6	7.07	415	2.53	0.15	170.2	78	34.81

Did well dewater? Yes No Gallons actually evacuated: 78

Sampling Date: 9-10-12 Sampling Time: 1045 Depth to Water: 34.81

Sample I.D.: MW-15 Laboratory: BC Labs

Analyzed for: See C.O.C. Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: <u>12040^{NW} 120824AW-1</u>	Site: <u>JPL, Pasadena</u>
Sampler: <u>AWOLFF</u>	Gauging Date: <u>9-10-12</u>
Well I.D.: <u>MW-16</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>285</u>	Depth to Water (DTW): <u>241.91</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type <u>YSI Pro Plus</u>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>250.52</u>	

Purge Method: Watterra Sampling Method:
Disposable Bailer 2" Rediflo pump Disposable Bailer
Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other Dedicated RF2 Dedicated Tubing
Other:

Flow Rate = 1 gpm
 Start Purge Date = 9-10-12 Pump @ 265'

$$\frac{28.1 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = 84.3 \text{ Gals.}$$
 Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°C)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	DTW
0850	27.5	7.06	627	3.30	1.99	223.1	15	241.95
0904	26.5	6.98	627	3.00	1.75	218.7	29	242.02
0918	26.5	7.02	630	2.41	1.88	219.8	43	242.07
0932	26.4	6.98	627	1.98	1.77	217.4	57	242.01
0946	26.5	6.98	626	1.72	1.75	216.3	71	242.01
1000	26.5	6.98	623	1.70	1.74	215.9	85	242.01

Did well dewater? Yes (No) Gallons actually evacuated: 85

Sampling Date: 9-10-12 Sampling Time: 1005 Depth to Water: 242.01

Sample I.D.: MW-16 Laboratory: BC Labs

Analyzed for: See COC Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-12
 SAMPLING DATE(S) 9-5-12
 LOCATION: North East parking lot, JPL
 WATER LEVEL INSIDE CASING: 87.65
 ATM. PRESSURE (PSI): (Start) 14.10 (Finish) 14.14
25.58°C 17.87°C

PROBE TYPE Westbay
 SERIAL NO. EMS2502
 PROJECT: JPL, Pasadena
 OPERATOR(S) A. Joffe
 WEATHER Overcast

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)					Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters						Sample	
		Arm out/ Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mV)	Sample Time	Sample ID
5	1	✓	✓	✓	✓	✓	218.42	✓	182.03	✓	182.03	✓	218.42	20.1	461.4	8.20	3.43	5.81	-65	0800	MW-12-5
4	1	✓	✓	✓	✓	✓	169.66	✓	146.57	✓	146.57	✓	169.66	20.0	467.7	8.14	2.37	5.82	-108	0830	MW-12-4
3	1	✓	✓	✓	✓	✓	121.50	✓	100.07	✓	100.07	✓	121.50	20.8	430.38	8.31	3.01	6.22	-93	0900	MW-12-3
2	1	✓	✓	✓	✓	✓	86.59	✓	66.73	✓	66.73	✓	86.59	20.8	538.1	8.16	5.74	5.75	20	0930	MW-12-2
1	1	✓	✓	✓	✓	✓	41.69	✓	28.59	✓	28.59	✓	41.69	20.5	408.6	8.26	8.80	5.70	85	1000	MW-12-1
	2	✓	✓	✓	✓	✓	41.73	✓	28.54	✓	28.54	✓	41.73								

Comments: MS/MSD @ Port 3 DUPE-5-3Q12 @ Port 1

**WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET**

WELL ID: MW-23
 SAMPLING DATE(S) 9-4-12
 LOCATION: Building 233 parking lot, JPL
 WATER LEVEL INSIDE CASING: 106.96
 ATM. PRESSURE (PSI): (Start) 14.10 (Finish) 14.12
25.09°C 21.44°C

PROBE TYPE Westbay
 SERIAL NO. EMS2502
 PROJECT: JPL Pasadena
 OPERATOR(S) Twiliff
 WEATHER Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm) mg/l	ORP (mV)	Sample Time	Sample ID
4	1	✓	✓	✓	✓	✓	163.02	✓	149.87	✓	149.87	✓	163.02	22.4	379.5	7.83	2.07	11.01	99	0900	MW-23-4
3	1	✓	✓	✓	✓	✓	103.43	✓	100.78	✓	100.78	✓	108.43	23.2	406.3	8.15	3.28	5.91	-17	0930	MW-23-3
2	1	✓	✓	✓	✓	✓	80.22	✓	72.82	✓	72.82	✓	80.22	23.1	1017	7.91	2.16	5.39	152	1000	MW-23-2
	2	✓	✓	✓	✓	✓	80.22	✓	72.83	✓	72.83	✓	80.22								
1	1	✓	✓	✓	✓	✓	45.46	✓	40.55	✓	40.55	✓	45.46	24.0	981.5	8.01	13.0	5.19	142	1100	MW-23-1

Comments: Level IV Validation @ Port 4 DUPE-4-3Q12 @ Port 2

ATTACHMENT 5: WATER LEVEL MEASUREMENTS

This attachment contains water level measurements for the JPL relatively shallow standpipe monitoring wells (MW-1, MW-5 through MW-10, MW-13, MW-15, and MW-16) and the Westbay™ multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26) obtained during the 3rd Quarter 2012. Water level measurements were recorded before the sampling event on August 24, 2012 for the relatively shallow standpipe monitoring wells and for the Westbay™ multiport wells. Water level measurements were recorded after the sampling event on September 11, 2012 for the relatively shallow standpipe monitoring wells and the Westbay™ multiport wells. Water levels for the shallow wells were measured using a Solinst™ water level meter. In the deep multiport wells, the hydraulic head at each sampling port was measured with a Westbay™ MOSDAX sampling probe. Water level measurements were conducted by Blaine Tech Services, Inc.

Note: no samples were collected from MW-1 or MW-9 during the third quarter 2012 sampling event; however water levels were obtained.

**WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET**

WELL ID: MW-20
 DATE: 8-23-12
 LOCATION: JPL
 ELEV. TOP OF WESTBAY CASING: 1,165.05
 WEATHER: Clear

PROBE TYPE: Westbay
 SERIAL NO.: EMS2502
 PROJECT: JPL Pasadena
 OPERATOR(S): Wolff
 ATM. PRESSURE (Patm): (start) 14.02 (finish) 14.04
23.08°C 17.96°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm ² Outside Casing P2	mH ₂ O Inside Casing	Trans. Temp. (oC)				
5	900	895	321.60	320.75	321.60	22.74	707.63	192.37	900	1416
4	700	696	234.95	225.14	234.95	22.77	487.05	212.95	700	1418
3	562	558	175.13	165.64	175.13	21.88	349.79	212.21	562	1420
2	392	389	101.42	98.50	101.42	20.31	194.90	197.10	392	1421
1	230	228	31.02	28.59	31.02	18.66	33.61	196.39	230	1422

Comments: Collar detect is located 6" above sample port

**WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET**

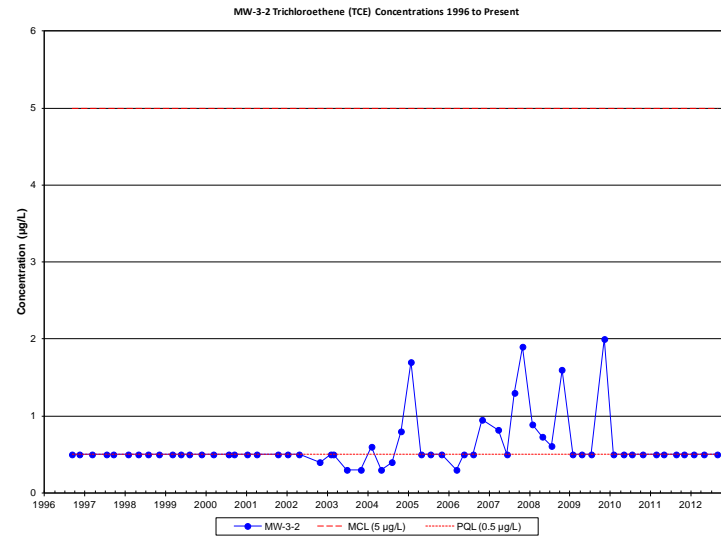
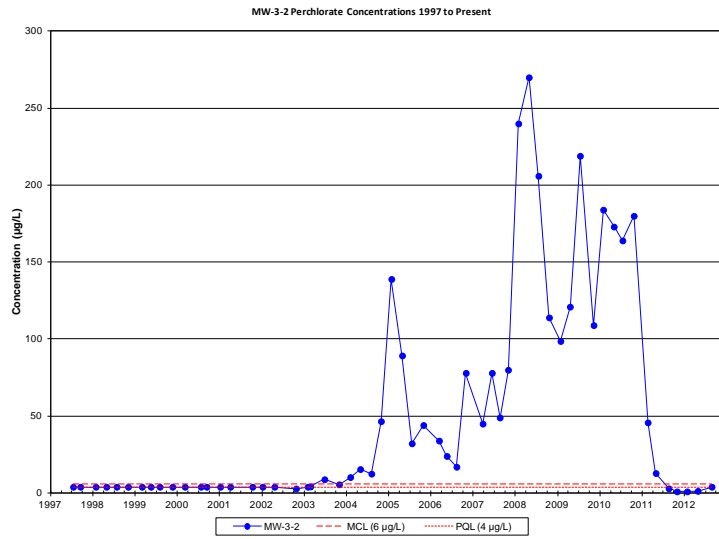
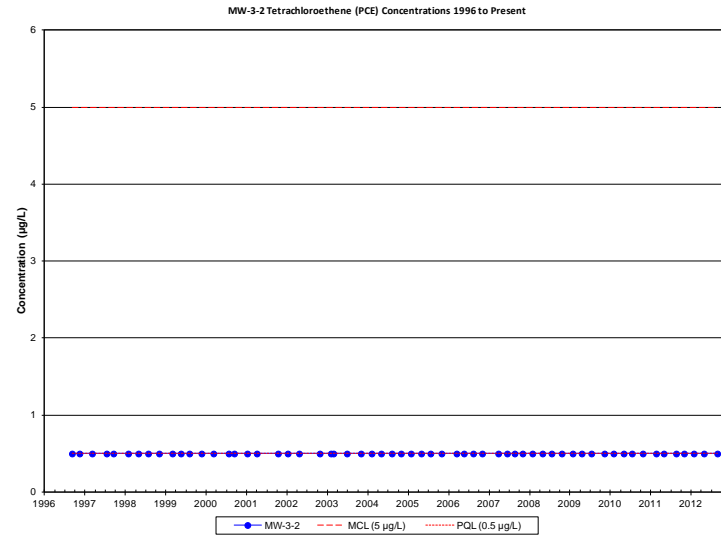
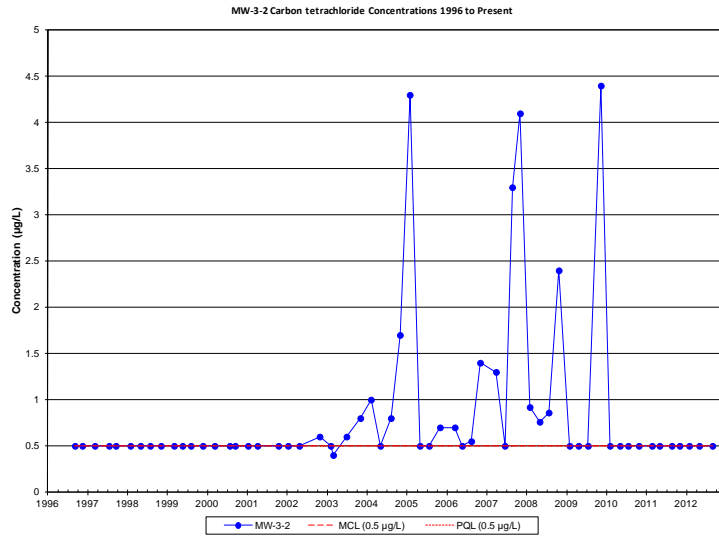
WELL ID: MW-22
 DATE: 8-30-12
 LOCATION: Parking lot Building 185, JPL Pasadena
 ELEV. TOP OF WASTBAY CASING: 1,176.98
 WEATHER: Clear

PROBE TYPE: Westbay
 SERIAL NO.: EM52502
 PROJECT: JPL Pasadena
 OPERATOR(S): AWB/FF
 ATM. PRESSURE (Patm): (start) 13.97 (finish) 14.02
26.17°C 20.24°C

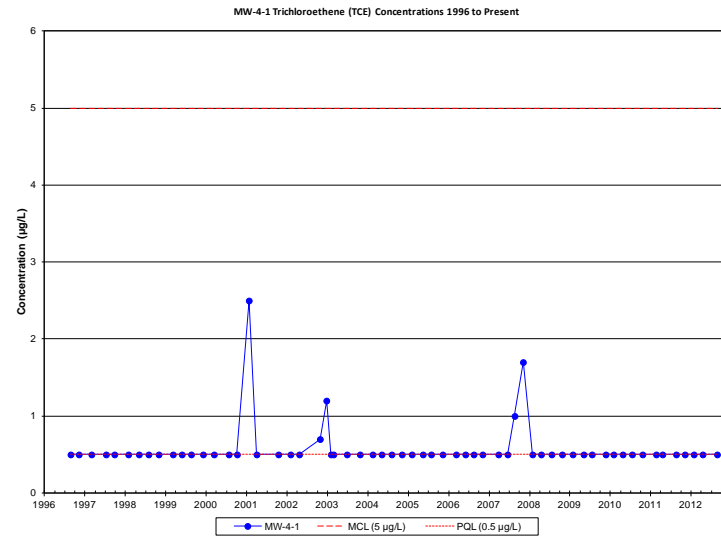
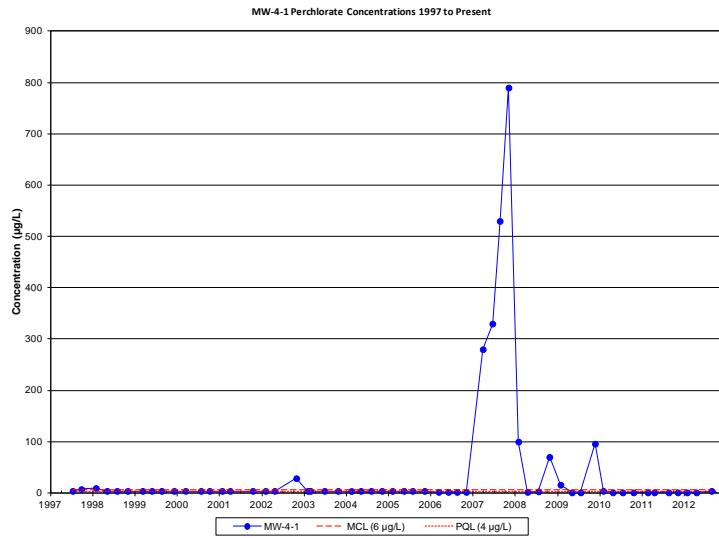
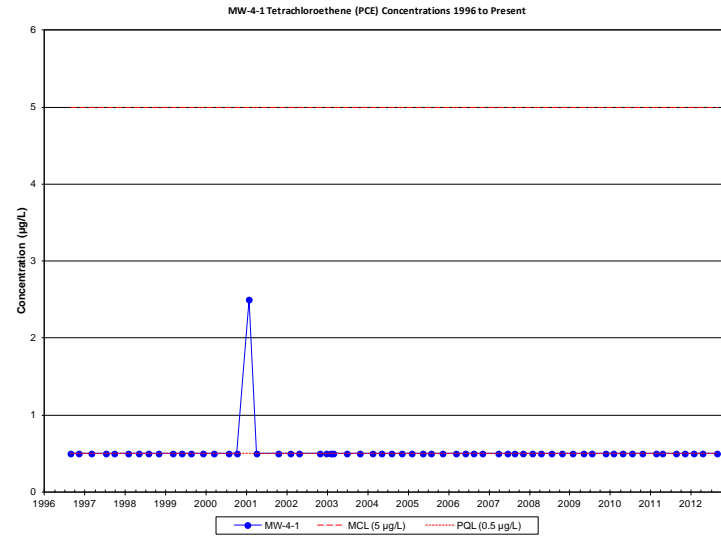
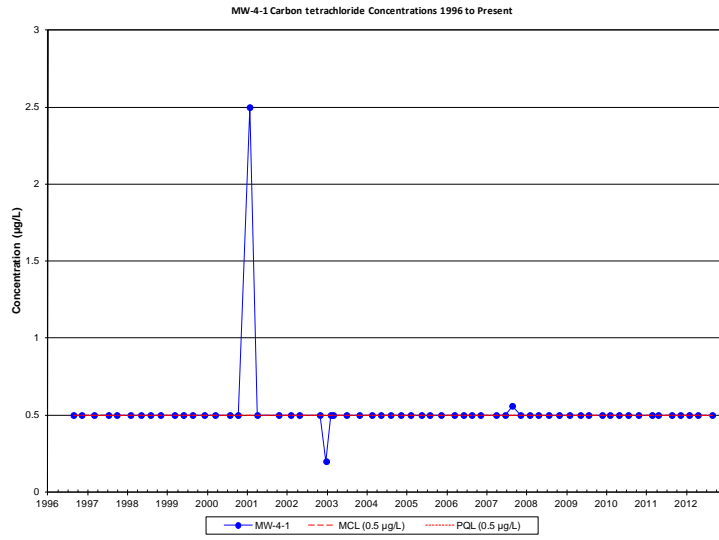
Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm ² Outside Casing P2	mH ₂ O Inside Casing	Trans. Temp. (°C)				
5	588	585	202.04	182.25	202.04	22.57	388.22	199.78	588	0630
4	467	464	149.43	133.03	149.43	22.21	274.67	192.33	467	0633
3	389	387	115.66	104.12	115.66	21.78	207.98	181.02	389	0636
2	329	327	89.59	78.01	89.59	20.81	147.74	181.26	329	0646
1	245	243	52.66	42.93	52.66	20.36	66.81	178.19	245	0647

Comments: Collar detect located 1' above sample port

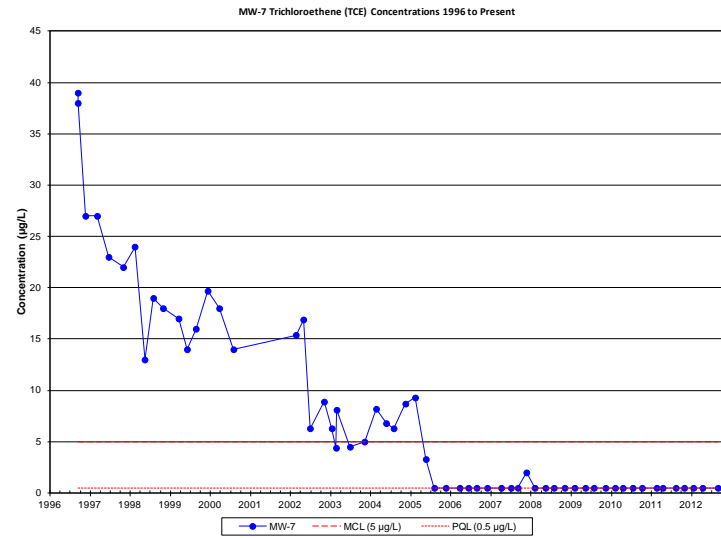
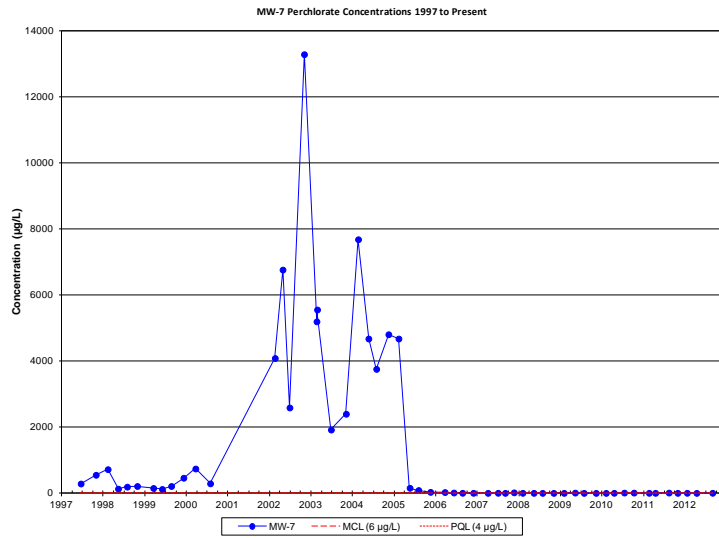
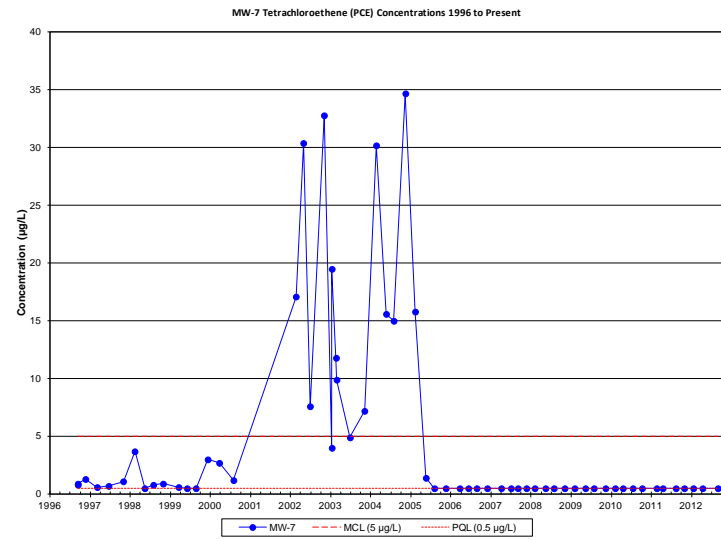
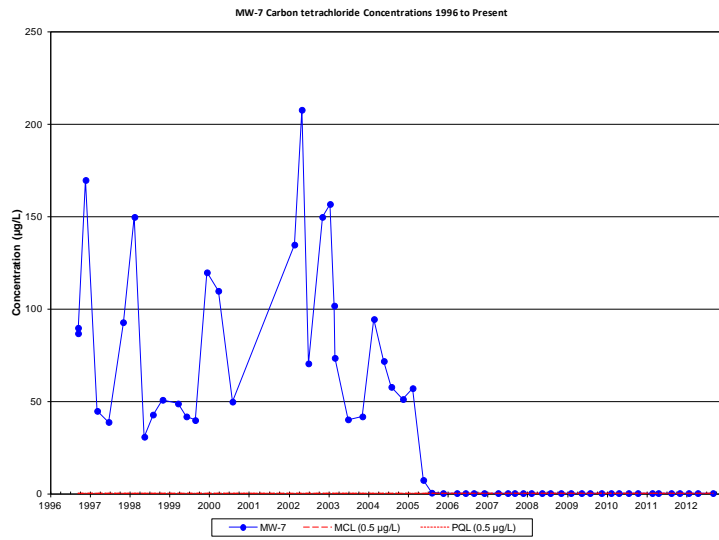
ATTACHMENT 6: TIME SERIES PLOTS



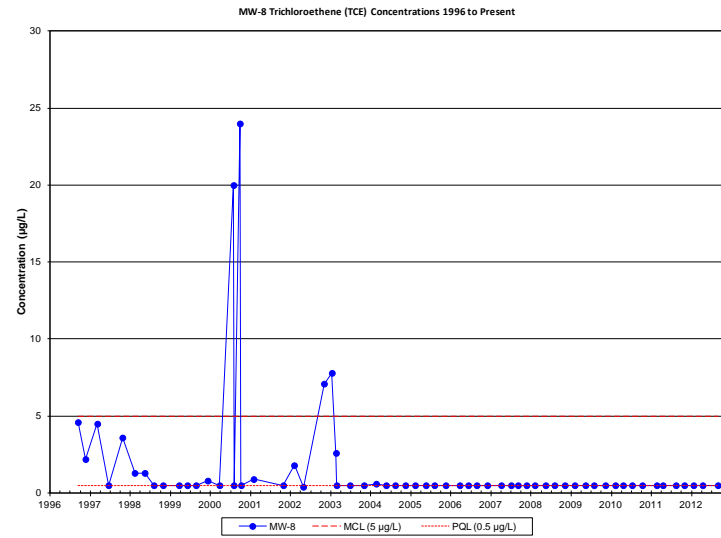
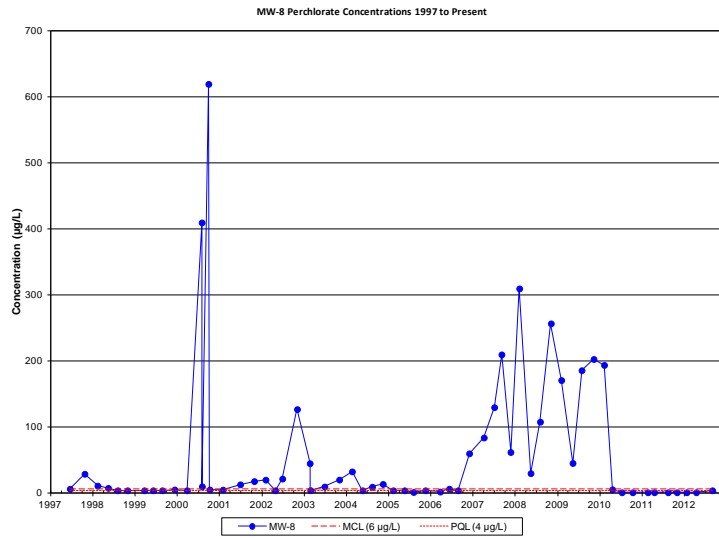
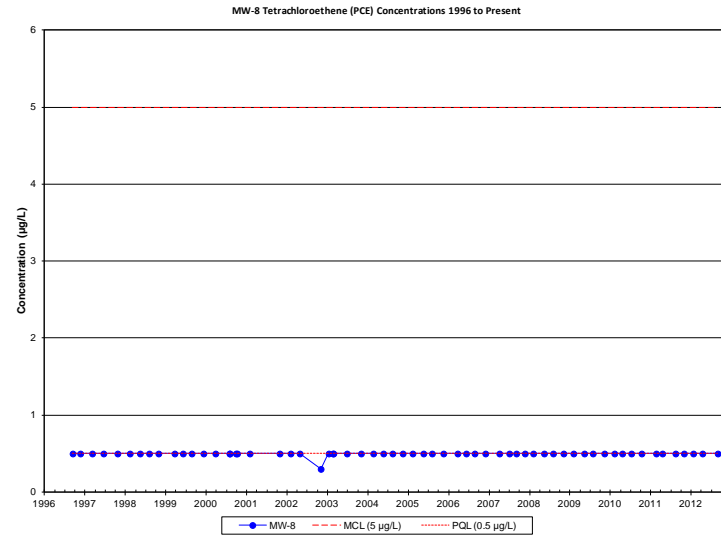
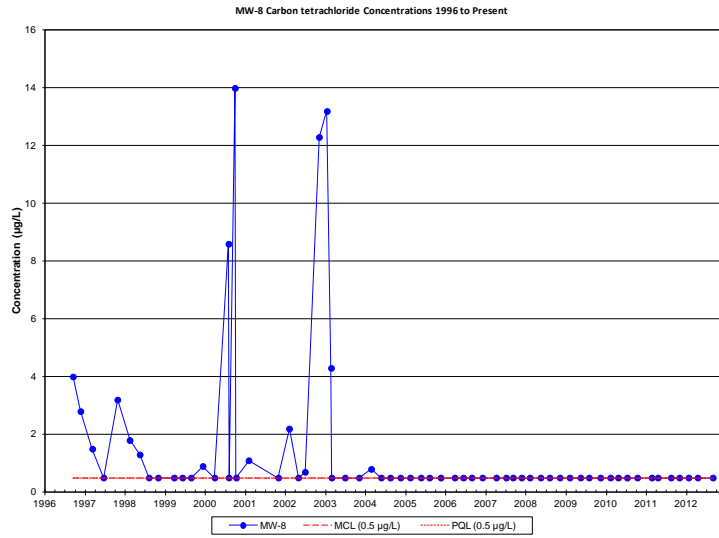
VOCs and Perchlorate Time Series Plots for MW-3-2



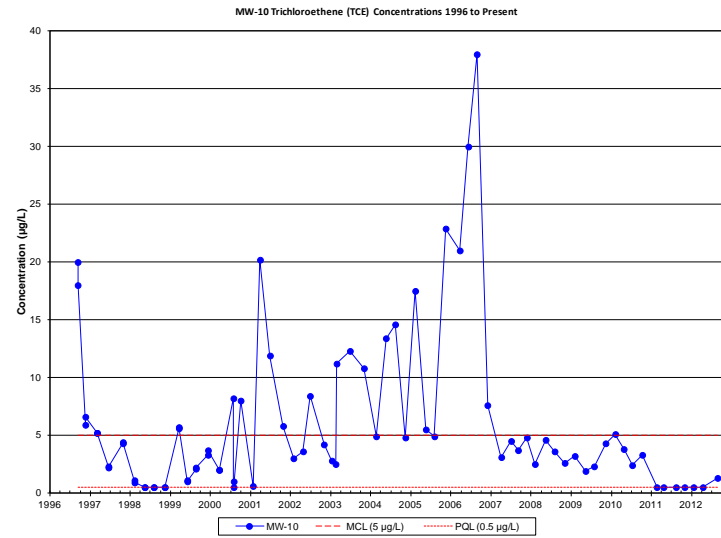
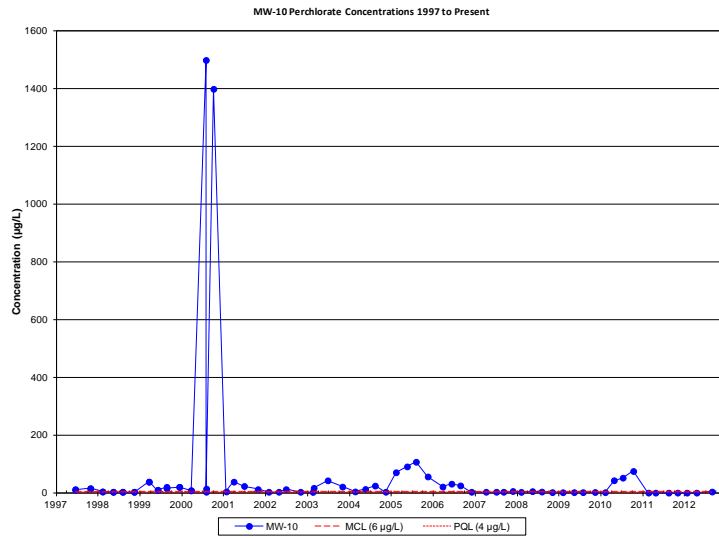
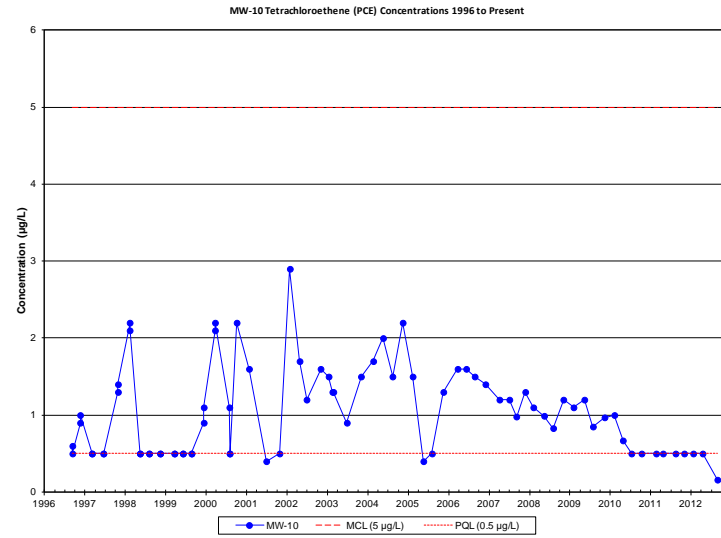
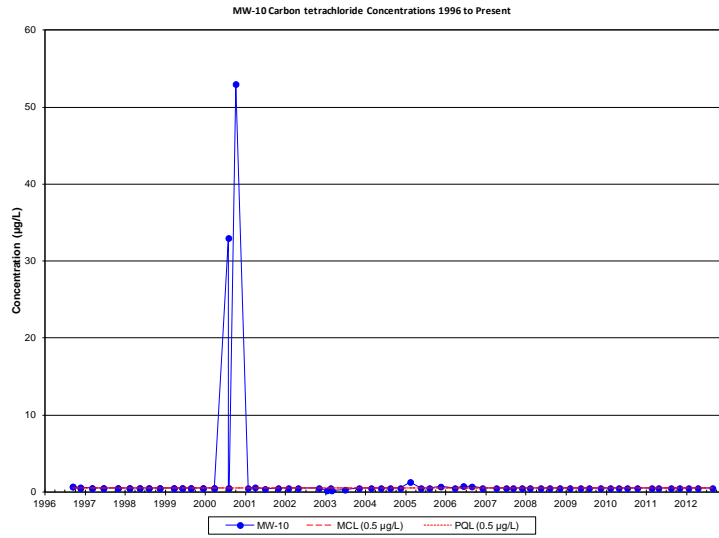
VOCs and Perchlorate Time Series Plots for MW-4-1



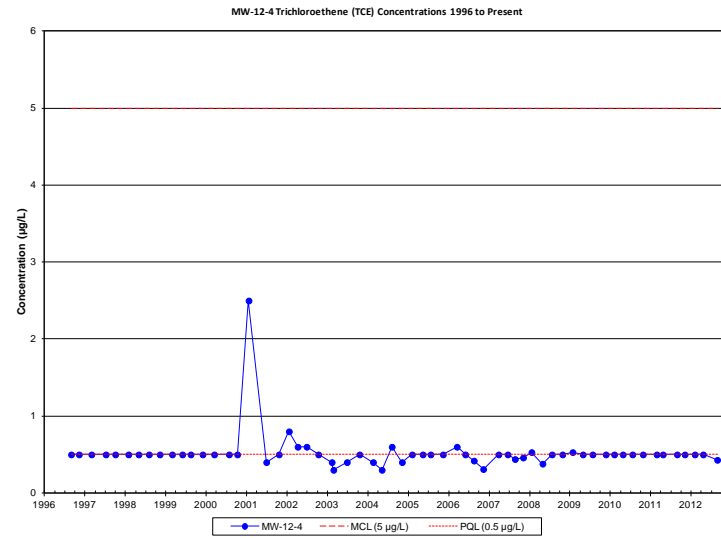
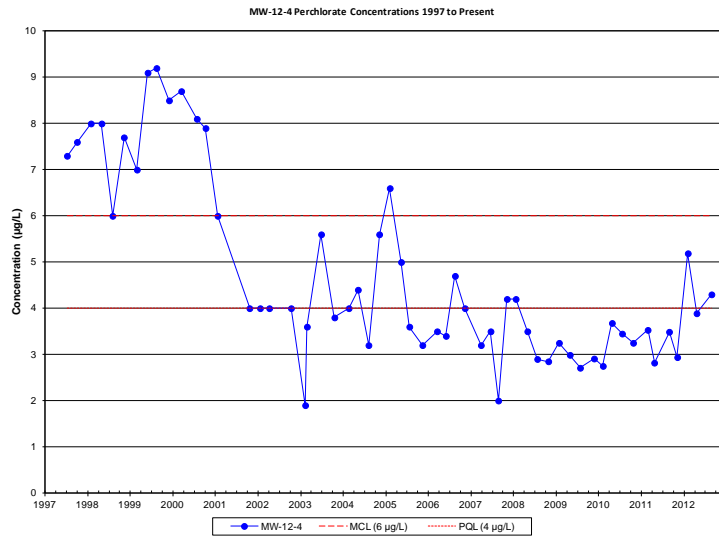
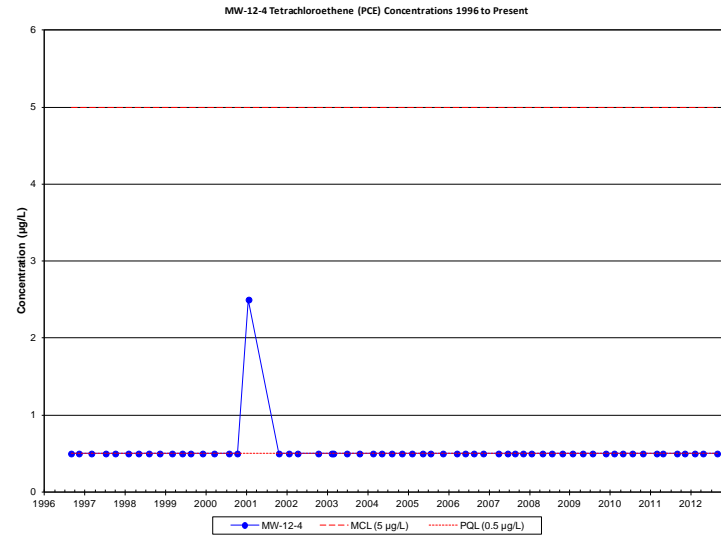
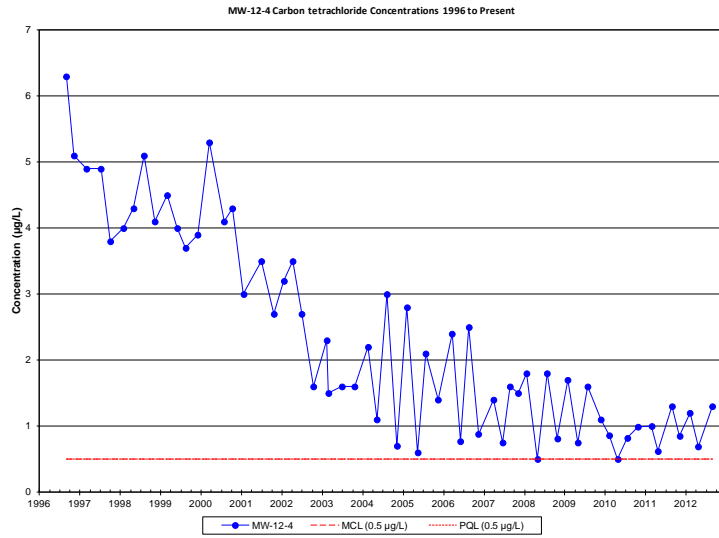
VOCs and Perchlorate Time Series Plots for MW-7



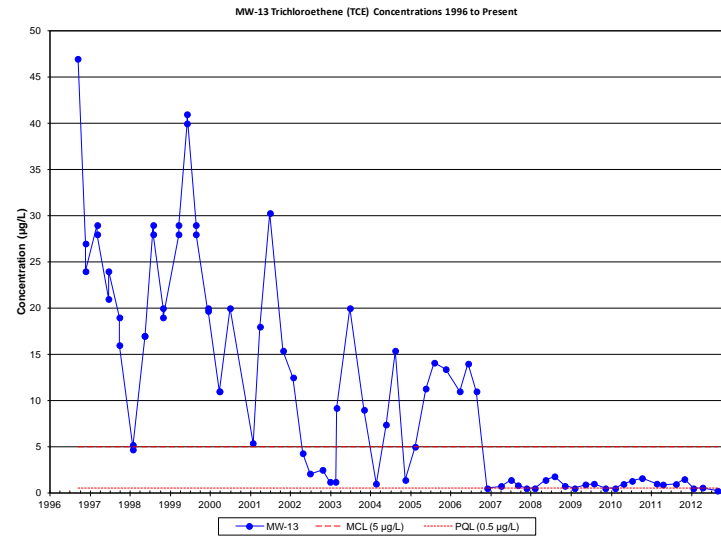
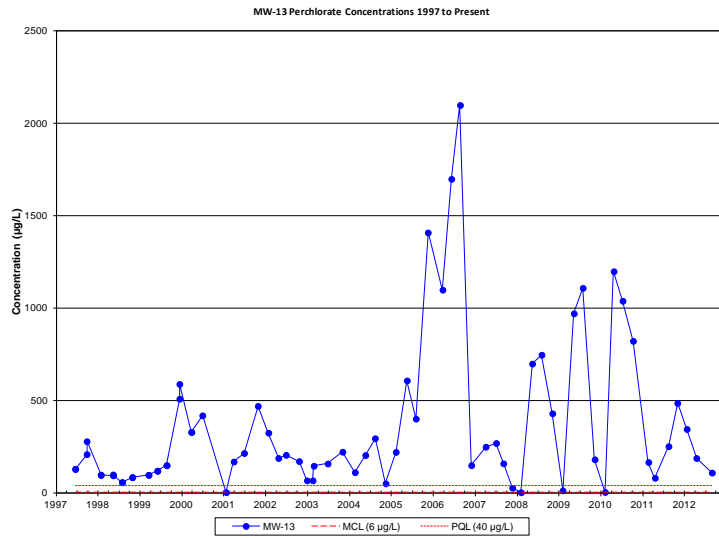
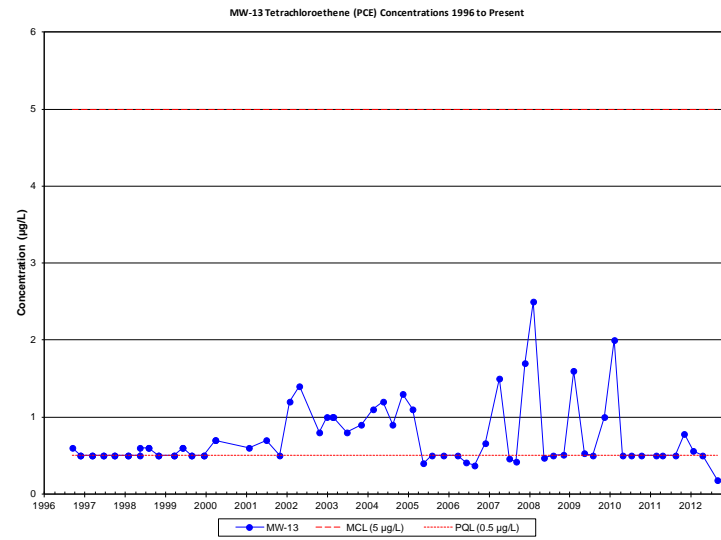
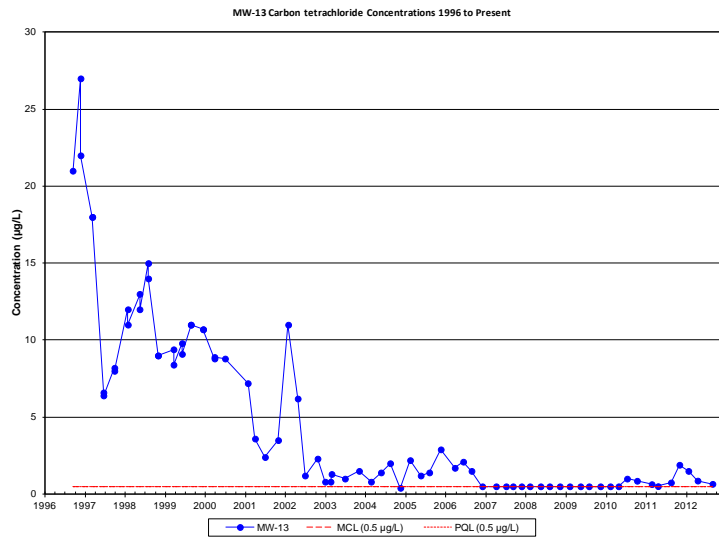
VOCs and Perchlorate Time Series Plots for MW-8



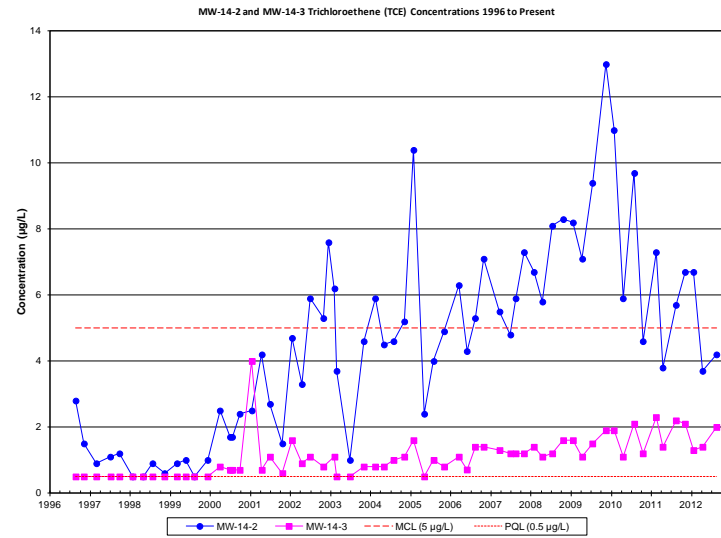
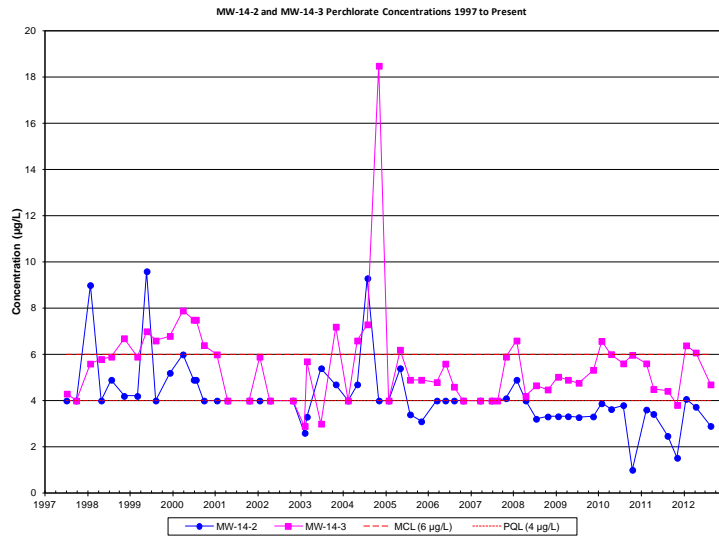
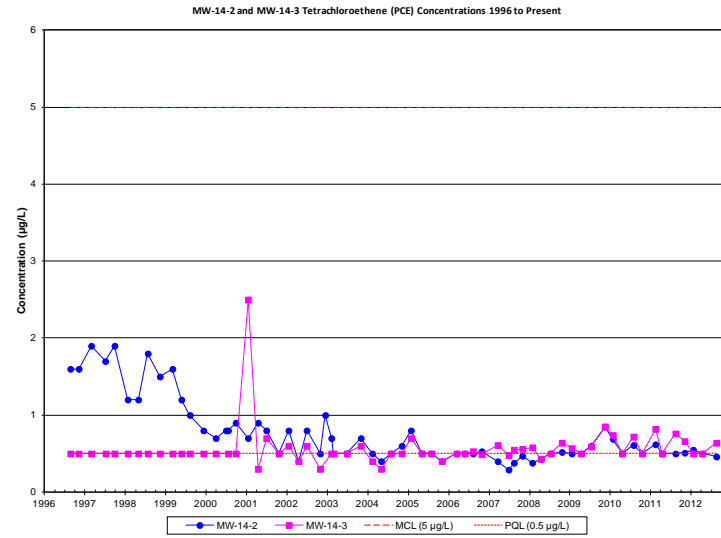
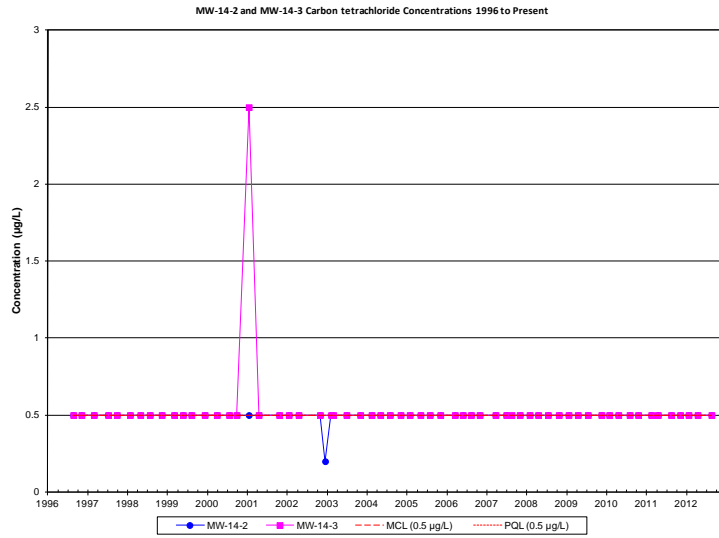
VOCs and Perchlorate Time Series Plots for MW-10



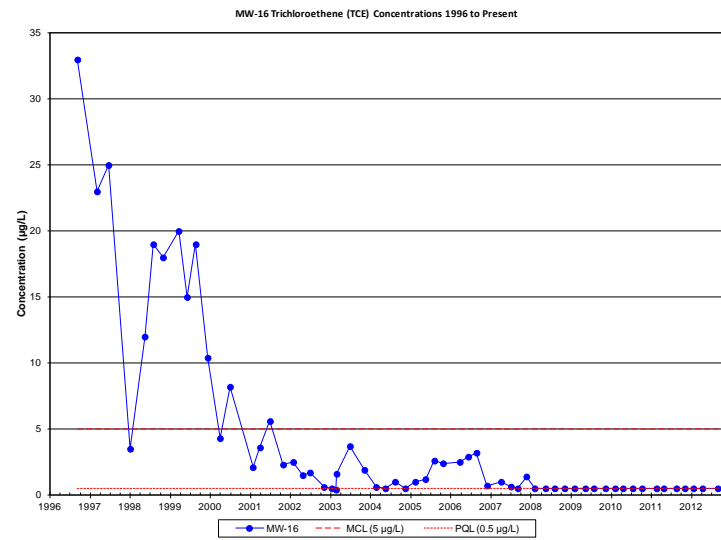
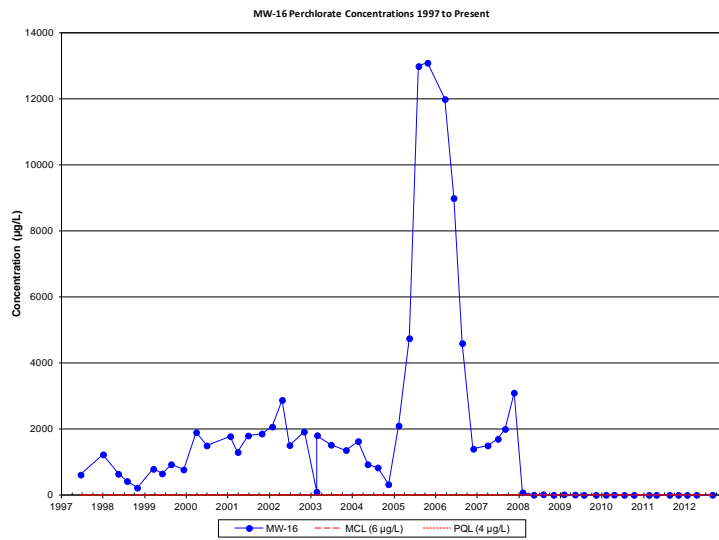
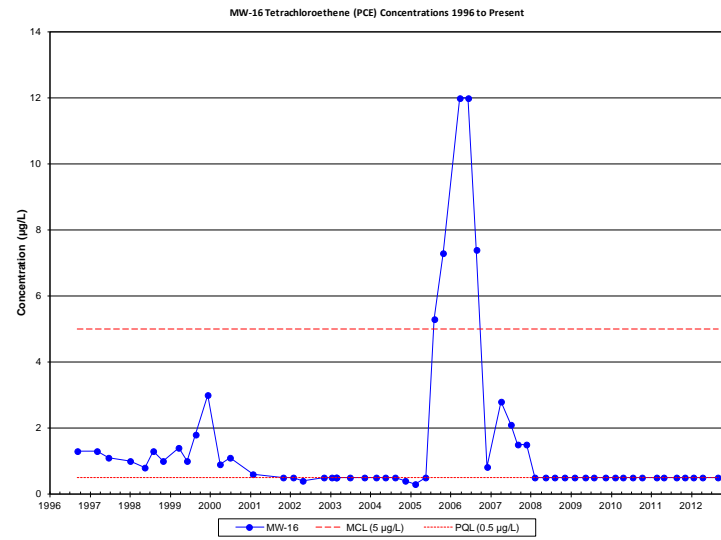
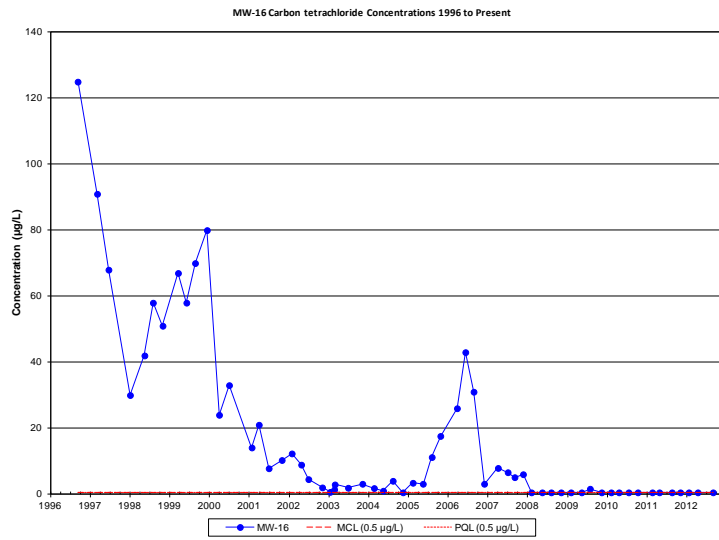
VOCs and Perchlorate Time Series Plots for MW-12-4



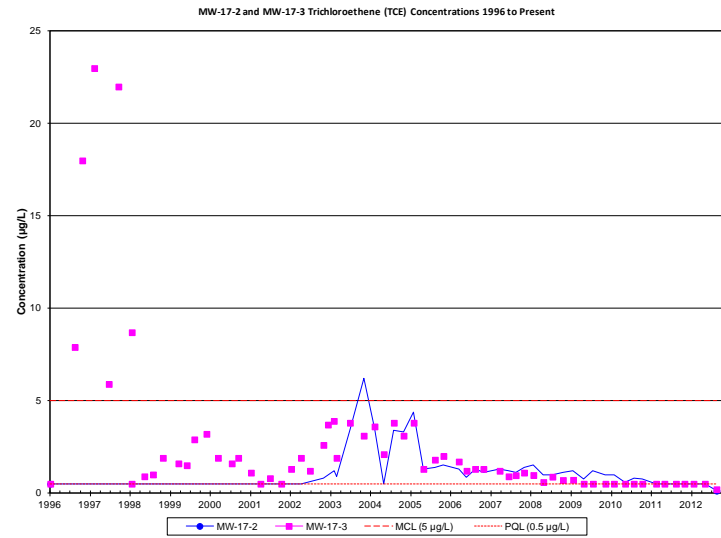
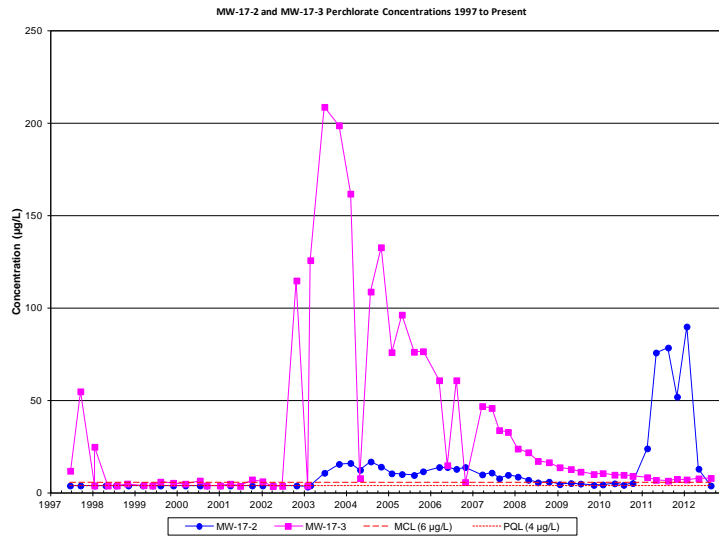
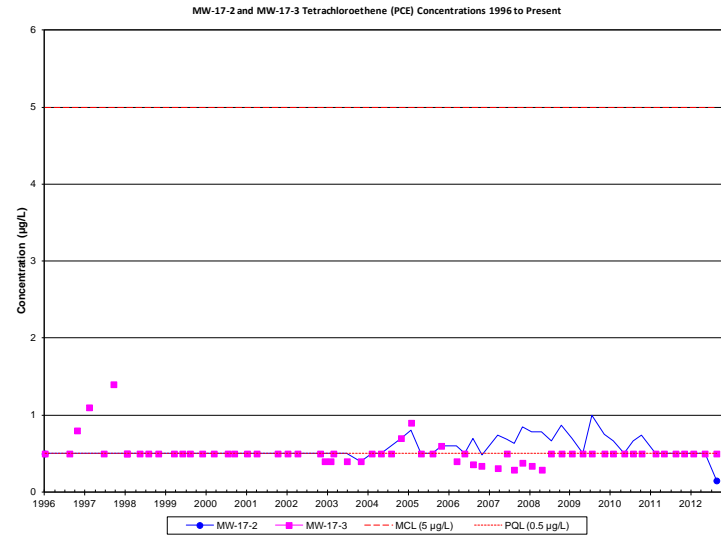
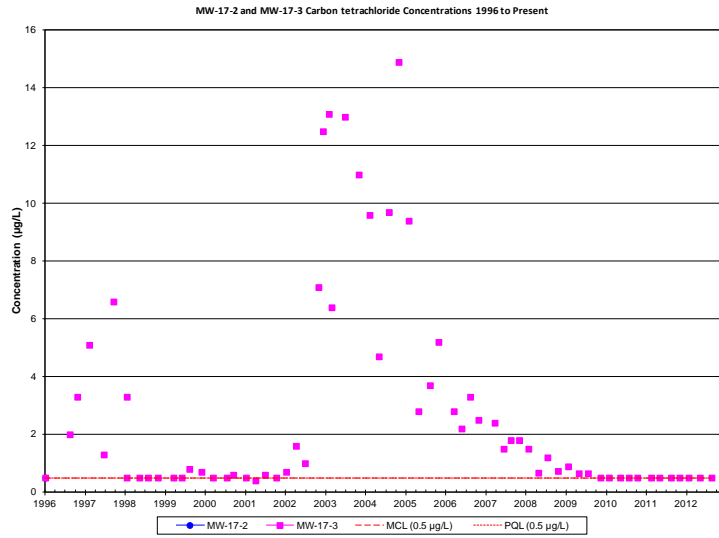
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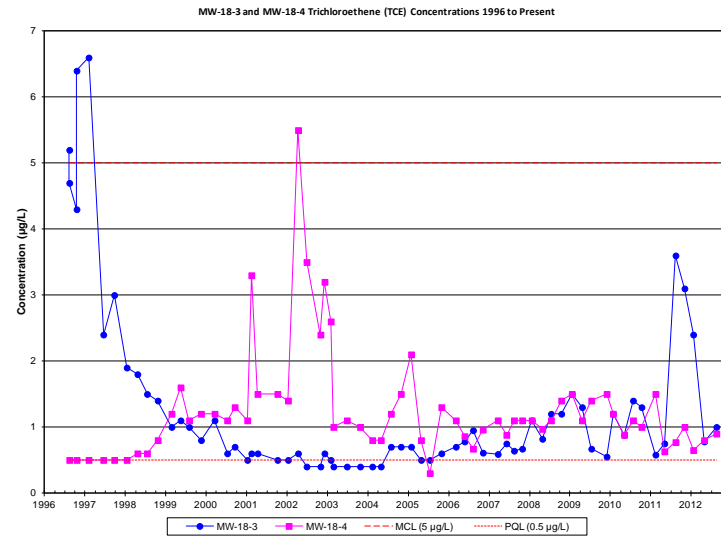
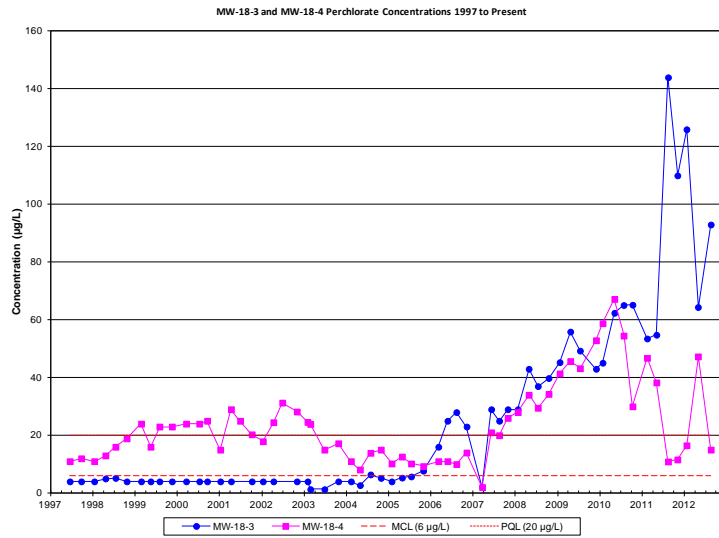
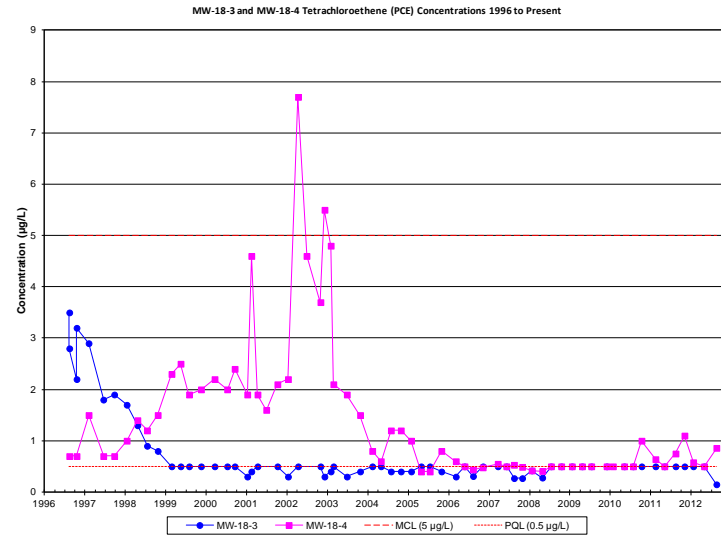
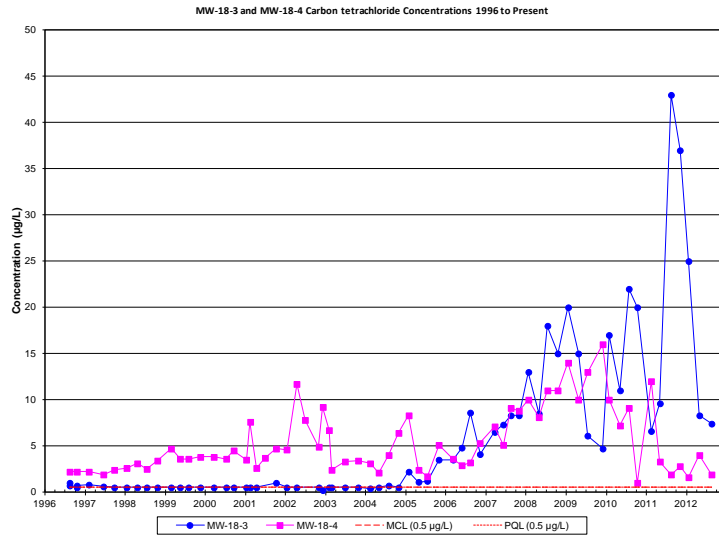
VOCs and Perchlorate Time Series Plots for MW-14-2 and MW-14-3



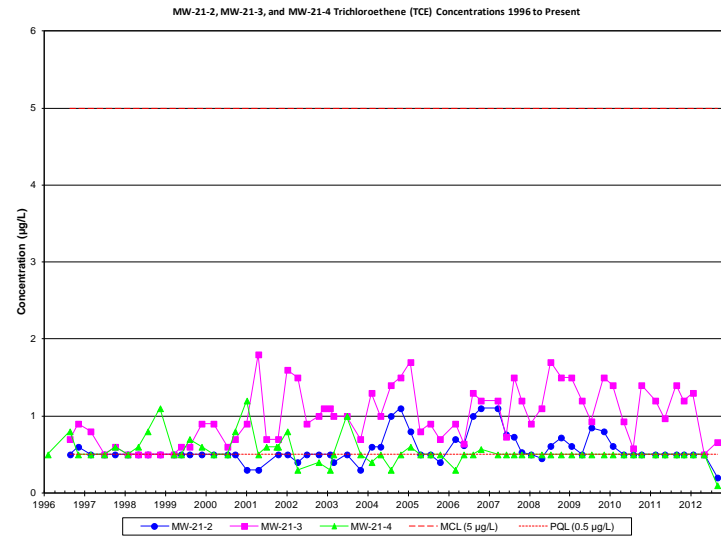
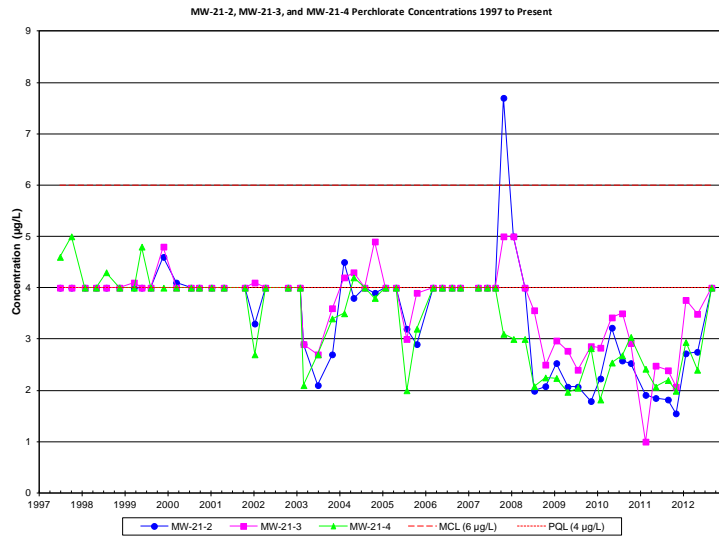
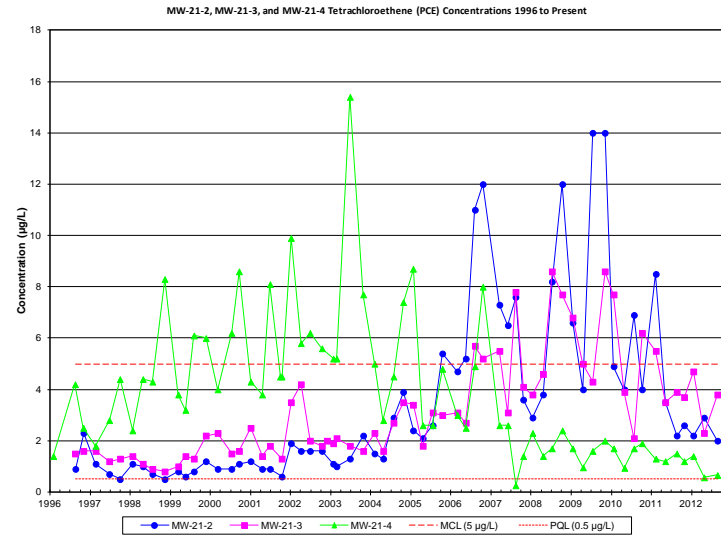
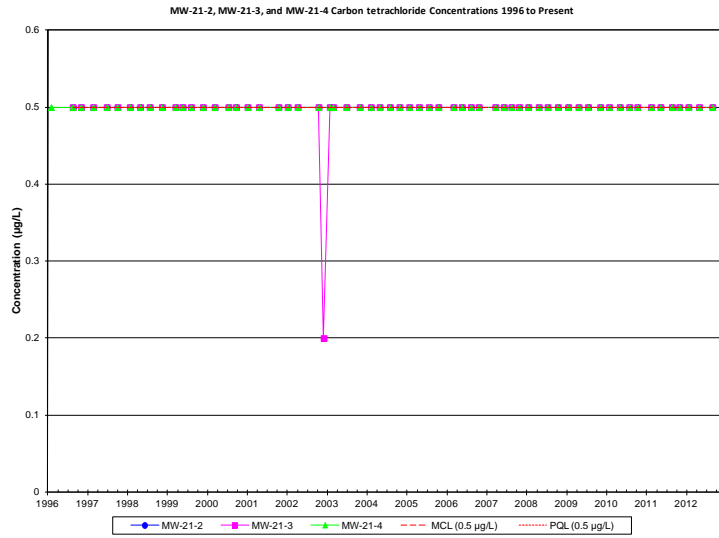
VOCs and Perchlorate Time Series Plots for MW-16



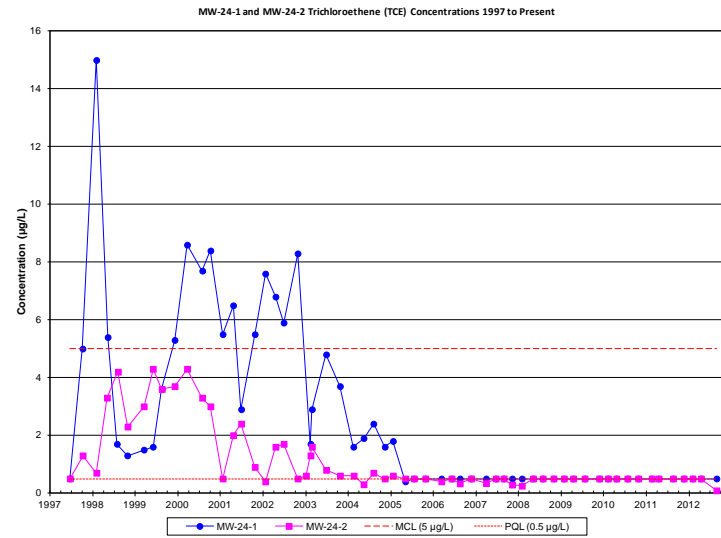
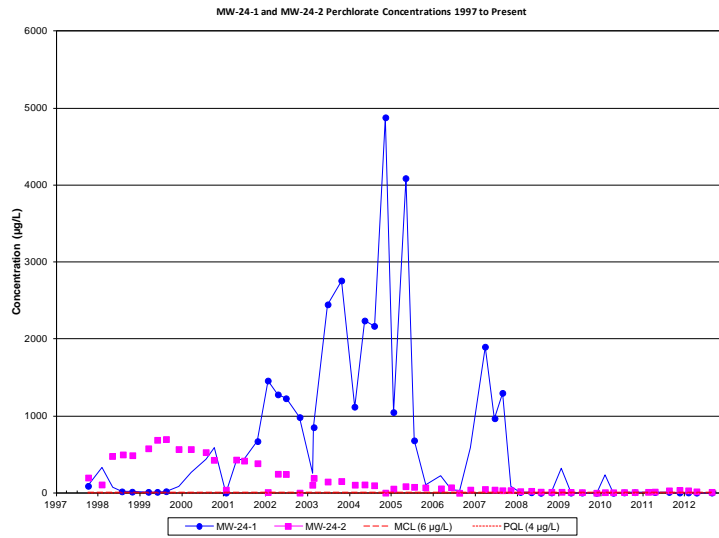
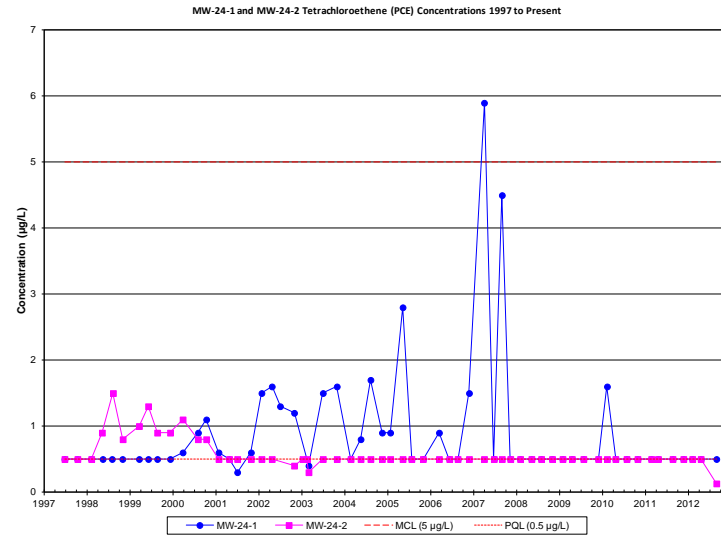
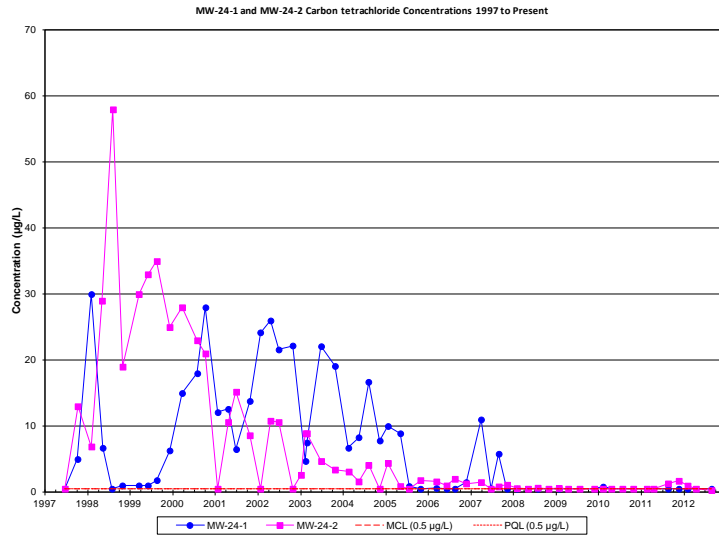
VOCs and Perchlorate Time Series Plots for MW-17-2 and MW-17-3



VOCs and Perchlorate Time Series Plots for MW-18-3 and MW-18-4



VOCs and Perchlorate Time Series Plots for MW-21-2 and MW-21-3 and MW-21-4



VOCs and Perchlorate Time Series Plots for MW-24-1 and MW-24-2