

**GW – 028**

**2015 AGWMR**

**PART 9 OF 25**

**03 / 2016**



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Dissolved Solids	3390000		2820	10000	1	10/27/2015 15:06	<a href="#">WG824447</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Nitrate-Nitrite	U		197	1000	10	10/29/2015 17:11	<a href="#">WG825446</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chloride	195000		1040	20000	20	10/24/2015 20:31	<a href="#">WG824156</a>
Fluoride	2540		9.90	100	1	10/28/2015 16:34	<a href="#">WG824952</a>
Sulfate	2060000		7740	500000	100	10/28/2015 16:49	<a href="#">WG824952</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Arsenic	6.63		0.250	2.00	1	10/28/2015 17:28	<a href="#">WG824868</a>
Barium	15.7		0.360	5.00	1	10/28/2015 17:28	<a href="#">WG824868</a>
Calcium	479000		46.0	1000	1	10/28/2015 17:28	<a href="#">WG824868</a>
Chromium	3.18		0.540	2.00	1	10/28/2015 17:28	<a href="#">WG824868</a>
Iron	50.6	J	15.0	100	1	10/28/2015 17:28	<a href="#">WG824868</a>
Lead	U		0.240	2.00	1	10/28/2015 17:28	<a href="#">WG824868</a>
Manganese	103		0.250	5.00	1	10/28/2015 17:28	<a href="#">WG824868</a>
Potassium	1920		37.0	1000	1	10/28/2015 17:28	<a href="#">WG824868</a>
Selenium	7.98	J	3.80	20.0	10	10/28/2015 19:49	<a href="#">WG824868</a>
Sodium	374000		110	1000	1	10/28/2015 17:28	<a href="#">WG824868</a>

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	148		31.4	100	1	10/28/2015 03:13	<a href="#">WG824598</a>
(S) a, a, a-Trifluorotoluene(FID) 90.1				62.0-128		10/28/2015 03:13	<a href="#">WG824598</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		10.0	50.0	1	10/26/2015 19:20	<a href="#">WG824433</a>
Benzene	0.378	J	0.331	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Bromoform	U		0.469	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
sec-Butylbenzene	1.66		0.365	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Chloroform	U		0.324	5.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 19:20	<a href="#">WG824433</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 19:20	<a href="#">WG824433</a>





Collected date/time: 10/20/15 09:20

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## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 19:20	WG824433
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 19:20	WG824433
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 19:20	WG824433
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 19:20	WG824433
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 19:20	WG824433
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 19:20	WG824433
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 19:20	WG824433
Ethylbenzene	U		0.384	1.00	1	10/26/2015 19:20	WG824433
Isopropylbenzene	0.924	U	0.326	1.00	1	10/26/2015 19:20	WG824433
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 19:20	WG824433
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 19:20	WG824433
2-Hexanone	U		3.82	10.0	1	10/26/2015 19:20	WG824433
Methylene Chloride	U		1.00	5.00	1	10/26/2015 19:20	WG824433
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 19:20	WG824433
Methyl tert-butyl ether	2.45		0.367	1.00	1	10/26/2015 19:20	WG824433
Naphthalene	1.02	U	1.00	5.00	1	10/26/2015 19:20	WG824433
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 19:20	WG824433
Styrene	U		0.307	1.00	1	10/26/2015 19:20	WG824433
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 19:20	WG824433
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 19:20	WG824433
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 19:20	WG824433
Toluene	1.08	U	0.780	5.00	1	10/26/2015 19:20	WG824433
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 19:20	WG824433
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 19:20	WG824433
Trichloroethene	U		0.398	1.00	1	10/26/2015 19:20	WG824433
1,2,4-Trimethylbenzene	0.971	U	0.373	1.00	1	10/26/2015 19:20	WG824433
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 19:20	WG824433
Vinyl chloride	U		0.259	1.00	1	10/26/2015 19:20	WG824433
o-Xylene	1.97		0.341	1.00	1	10/26/2015 19:20	WG824433
m&p-Xylene	U		0.719	1.00	1	10/26/2015 19:20	WG824433
Xylenes, Total	1.97	U	1.06	3.00	1	10/26/2015 19:20	WG824433
(S) Toluene-d8	97.2			90.0-115		10/26/2015 19:20	WG824433
(S) Dibromofluoromethane	96.5			79.0-121		10/26/2015 19:20	WG824433
(S) 4-Bromofluorobenzene	97.5			80.1-120		10/26/2015 19:20	WG824433

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7460		124	500	5	10/29/2015 01:50	WG823977
(S) o-Terphenyl	116			50.0-150		10/29/2015 01:50	WG823977



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6590000		2820	10000	1	10/27/2015 15:05	<a href="#">WG824447</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	10/29/2015 17:12	<a href="#">WG825446</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	353000		1040	20000	20	10/24/2015 21:48	<a href="#">WG824156</a>
Fluoride	3140		198	2000	20	10/24/2015 21:48	<a href="#">WG824156</a>
Sulfate	4040000		7740	500000	100	10/28/2015 17:05	<a href="#">WG824952</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	9.29		0.250	2.00	1	10/28/2015 17:30	<a href="#">WG824868</a>
Barium	32.6		0.360	5.00	1	10/28/2015 17:30	<a href="#">WG824868</a>
Calcium	417000		46.0	1000	1	10/28/2015 17:30	<a href="#">WG824868</a>
Chromium	281		0.540	2.00	1	10/28/2015 17:30	<a href="#">WG824868</a>
Iron	107		15.0	100	1	10/28/2015 17:30	<a href="#">WG824868</a>
Lead	2.06		0.240	2.00	1	10/28/2015 17:30	<a href="#">WG824868</a>
Manganese	412		0.250	5.00	1	10/28/2015 17:30	<a href="#">WG824868</a>
Potassium	950	J	37.0	1000	1	10/28/2015 17:30	<a href="#">WG824868</a>
Selenium	13.5		0.380	2.00	1	10/28/2015 17:30	<a href="#">WG824868</a>
Sodium	693000		1100	10000	10	10/28/2015 19:14	<a href="#">WG824868</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	2700		62.8	200	2	10/28/2015 03:35	<a href="#">WG824598</a>
(S) a, a, a-Trifluorotoluene(FID) 88.4				62.0-128		10/28/2015 03:35	<a href="#">WG824598</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	10/28/2015 23:06	<a href="#">WG825221</a>
Benzene	657		3.31	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Bromodichloromethane	U		3.80	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Bromoform	U		4.69	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Bromomethane	U		8.66	50.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
n-Butylbenzene	3.85	J	3.61	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
sec-Butylbenzene	14.5		3.65	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Carbon disulfide	8.58	J	2.75	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Carbon tetrachloride	U		3.79	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Chlorobenzene	U		3.48	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Chlorodibromomethane	U		3.27	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Chloroethane	U		4.53	50.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Chloroform	U		3.24	50.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
Chloromethane	U		2.76	25.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
1,2-Dibromoethane	U		3.81	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>
1,1-Dichloroethane	U		2.59	10.0	10	10/28/2015 23:06	<a href="#">WG825221</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		3.61	10.0	10	10/28/2015 23:06	WG825221
1,1-Dichloroethene	U		3.98	10.0	10	10/28/2015 23:06	WG825221
cis-1,2-Dichloroethene	U		2.60	10.0	10	10/28/2015 23:06	WG825221
trans-1,2-Dichloroethene	U		3.96	10.0	10	10/28/2015 23:06	WG825221
1,2-Dichloropropane	U		3.06	10.0	10	10/28/2015 23:06	WG825221
cis-1,3-Dichloropropene	U		4.18	10.0	10	10/28/2015 23:06	WG825221
trans-1,3-Dichloropropene	U		4.19	10.0	10	10/28/2015 23:06	WG825221
Ethylbenzene	7.56	U	3.84	10.0	10	10/28/2015 23:06	WG825221
Isopropylbenzene	62.5		3.26	10.0	10	10/28/2015 23:06	WG825221
p-Isopropyltoluene	U		3.50	10.0	10	10/28/2015 23:06	WG825221
2-Butanone (MEK)	U		39.3	100	10	10/28/2015 23:06	WG825221
2-Hexanone	U		38.2	100	10	10/28/2015 23:06	WG825221
Methylene Chloride	U		10.0	50.0	10	10/28/2015 23:06	WG825221
4-Methyl-2-pentanone (MIBK)	U		21.4	100	10	10/28/2015 23:06	WG825221
Methyl tert-butyl ether	12.7		3.67	10.0	10	10/28/2015 23:06	WG825221
Naphthalene	U		10.0	50.0	10	10/28/2015 23:06	WG825221
n-Propylbenzene	75.1		3.49	10.0	10	10/28/2015 23:06	WG825221
Styrene	U		3.07	10.0	10	10/28/2015 23:06	WG825221
1,1,1,2-Tetrachloroethane	U		3.85	10.0	10	10/28/2015 23:06	WG825221
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	10/28/2015 23:06	WG825221
Tetrachloroethene	U		3.72	10.0	10	10/28/2015 23:06	WG825221
Toluene	8.78	U	7.80	50.0	10	10/28/2015 23:06	WG825221
1,1,1-Trichloroethane	U		3.19	10.0	10	10/28/2015 23:06	WG825221
1,1,2-Trichloroethane	U		3.83	10.0	10	10/28/2015 23:06	WG825221
Trichloroethene	U		3.98	10.0	10	10/28/2015 23:06	WG825221
1,2,4-Trimethylbenzene	86.1		3.73	10.0	10	10/28/2015 23:06	WG825221
1,3,5-Trimethylbenzene	U		3.87	10.0	10	10/28/2015 23:06	WG825221
Vinyl chloride	U		2.59	10.0	10	10/28/2015 23:06	WG825221
o-Xylene	U		3.41	10.0	10	10/28/2015 23:06	WG825221
m&p-Xylene	83.7		7.19	10.0	10	10/28/2015 23:06	WG825221
Xylenes, Total	83.7		10.6	30.0	10	10/28/2015 23:06	WG825221
(S) Toluene-d8	101			90.0-115		10/28/2015 23:06	WG825221
(S) Dibromofluoromethane	94.1			79.0-121		10/28/2015 23:06	WG825221
(S) 4-Bromofluorobenzene	103			80.1-120		10/28/2015 23:06	WG825221

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5730		24.7	100	1	10/28/2015 20:30	WG823977
(S) o-Terphenyl	103			50.0-150		10/28/2015 20:30	WG823977



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	392000		2820	10000	1	10/27/2015 15:06	<a href="#">WG824447</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	10/29/2015 17:13	<a href="#">WG825446</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	179	J	51.9	1000	1	10/24/2015 21:32	<a href="#">WG824156</a>
Fluoride	U		9.90	100	1	10/24/2015 21:32	<a href="#">WG824156</a>
Sulfate	U		77.4	5000	1	10/24/2015 21:32	<a href="#">WG824156</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	0.906	J	0.250	2.00	1	10/28/2015 17:33	<a href="#">WG824868</a>
Barium	1.85	J	0.360	5.00	1	10/28/2015 17:33	<a href="#">WG824868</a>
Calcium	201	J	46.0	1000	1	10/28/2015 17:33	<a href="#">WG824868</a>
Chromium	U		0.540	2.00	1	10/28/2015 17:33	<a href="#">WG824868</a>
Iron	U		15.0	100	1	10/28/2015 17:33	<a href="#">WG824868</a>
Lead	U		0.240	2.00	1	10/28/2015 17:33	<a href="#">WG824868</a>
Manganese	1.11	J	0.250	5.00	1	10/28/2015 17:33	<a href="#">WG824868</a>
Potassium	U		37.0	1000	1	10/28/2015 17:33	<a href="#">WG824868</a>
Selenium	2.04		0.380	2.00	1	10/28/2015 17:33	<a href="#">WG824868</a>
Sodium	1060		110	1000	1	10/28/2015 17:33	<a href="#">WG824868</a>

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.4	100	1	10/28/2015 05:04	<a href="#">WG824598</a>
(S) a, a, a-Trifluorotoluene(FID) 91.8				62.0-128		10/28/2015 05:04	<a href="#">WG824598</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/28/2015 23:26	<a href="#">WG825221</a>
Benzene	U		0.331	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Bromodichloromethane	U		0.380	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Bromoform	U		0.469	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Bromomethane	U		0.866	5.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
n-Butylbenzene	U		0.361	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
sec-Butylbenzene	U		0.365	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Carbon disulfide	0.333	J	0.275	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Carbon tetrachloride	U		0.379	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Chlorobenzene	U		0.348	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Chlorodibromomethane	U		0.327	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Chloroethane	U		0.453	5.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Chloroform	1.97	J	0.324	5.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
Chloromethane	U		0.276	2.50	1	10/28/2015 23:26	<a href="#">WG825221</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/28/2015 23:26	<a href="#">WG825221</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.361	1.00	1	10/28/2015 23:26	WG825221
1,1-Dichloroethene	U		0.398	1.00	1	10/28/2015 23:26	WG825221
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/28/2015 23:26	WG825221
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/28/2015 23:26	WG825221
1,2-Dichloropropane	U		0.306	1.00	1	10/28/2015 23:26	WG825221
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/28/2015 23:26	WG825221
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/28/2015 23:26	WG825221
Ethylbenzene	U		0.384	1.00	1	10/28/2015 23:26	WG825221
Isopropylbenzene	U		0.326	1.00	1	10/28/2015 23:26	WG825221
p-Isopropyltoluene	U		0.350	1.00	1	10/28/2015 23:26	WG825221
2-Butanone (MEK)	U		3.93	10.0	1	10/28/2015 23:26	WG825221
2-Hexanone	U		3.82	10.0	1	10/28/2015 23:26	WG825221
Methylene Chloride	U		1.00	5.00	1	10/28/2015 23:26	WG825221
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/28/2015 23:26	WG825221
Methyl tert-butyl ether	U		0.367	1.00	1	10/28/2015 23:26	WG825221
Naphthalene	U		1.00	5.00	1	10/28/2015 23:26	WG825221
n-Propylbenzene	U		0.349	1.00	1	10/28/2015 23:26	WG825221
Styrene	U		0.307	1.00	1	10/28/2015 23:26	WG825221
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/28/2015 23:26	WG825221
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/28/2015 23:26	WG825221
Tetrachloroethene	U		0.372	1.00	1	10/28/2015 23:26	WG825221
Toluene	U		0.780	5.00	1	10/28/2015 23:26	WG825221
1,1,1-Trichloroethane	U		0.319	1.00	1	10/28/2015 23:26	WG825221
1,1,2-Trichloroethane	U		0.383	1.00	1	10/28/2015 23:26	WG825221
Trichloroethene	U	*	0.398	1.00	1	10/28/2015 23:26	WG825221
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/28/2015 23:26	WG825221
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/28/2015 23:26	WG825221
Vinyl chloride	U		0.259	1.00	1	10/28/2015 23:26	WG825221
o-Xylene	U		0.341	1.00	1	10/28/2015 23:26	WG825221
m&p-Xylene	U		0.719	1.00	1	10/28/2015 23:26	WG825221
Xylenes, Total	U		1.06	3.00	1	10/28/2015 23:26	WG825221
(S) Toluene-d8	100			90.0-115		10/28/2015 23:26	WG825221
(S) Dibromofluoromethane	91.9			79.0-121		10/28/2015 23:26	WG825221
(S) 4-Bromofluorobenzene	103			80.1-120		10/28/2015 23:26	WG825221

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	88.1	J	24.7	100	1	10/28/2015 20:47	WG823977
(S) o-Terphenyl	98.8			50.0-150		10/28/2015 20:47	WG823977



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/28/2015 11:40	WG824656
Benzene	U		0.331	1.00	1	10/28/2015 11:40	WG824656
Bromodichloromethane	U		0.380	1.00	1	10/28/2015 11:40	WG824656
Bromoform	U		0.469	1.00	1	10/28/2015 11:40	WG824656
Bromomethane	U		0.866	5.00	1	10/28/2015 11:40	WG824656
n-Butylbenzene	U		0.361	1.00	1	10/28/2015 11:40	WG824656
sec-Butylbenzene	U		0.365	1.00	1	10/28/2015 11:40	WG824656
Carbon disulfide	U		0.275	1.00	1	10/28/2015 11:40	WG824656
Carbon tetrachloride	U		0.379	1.00	1	10/28/2015 11:40	WG824656
Chlorobenzene	U		0.348	1.00	1	10/28/2015 11:40	WG824656
Chlorodibromomethane	U		0.327	1.00	1	10/28/2015 11:40	WG824656
Chloroethane	U		0.453	5.00	1	10/28/2015 11:40	WG824656
Chloroform	U		0.324	5.00	1	10/28/2015 11:40	WG824656
Chloromethane	U		0.276	2.50	1	10/28/2015 11:40	WG824656
1,2-Dibromoethane	U		0.381	1.00	1	10/28/2015 11:40	WG824656
1,1-Dichloroethane	U		0.259	1.00	1	10/28/2015 11:40	WG824656
1,2-Dichloroethane	U		0.361	1.00	1	10/28/2015 11:40	WG824656
1,1-Dichloroethene	U		0.398	1.00	1	10/28/2015 11:40	WG824656
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/28/2015 11:40	WG824656
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/28/2015 11:40	WG824656
1,2-Dichloropropane	U		0.306	1.00	1	10/28/2015 11:40	WG824656
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/28/2015 11:40	WG824656
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/28/2015 11:40	WG824656
Ethylbenzene	U		0.384	1.00	1	10/28/2015 11:40	WG824656
Isopropylbenzene	U		0.326	1.00	1	10/28/2015 11:40	WG824656
p-Isopropyltoluene	U		0.350	1.00	1	10/28/2015 11:40	WG824656
2-Butanone (MEK)	U		3.93	10.0	1	10/28/2015 11:40	WG824656
2-Hexanone	U		3.82	10.0	1	10/28/2015 11:40	WG824656
Methylene Chloride	U		1.00	5.00	1	10/28/2015 11:40	WG824656
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/28/2015 11:40	WG824656
Methyl tert-butyl ether	U		0.367	1.00	1	10/28/2015 11:40	WG824656
Naphthalene	U		1.00	5.00	1	10/28/2015 11:40	WG824656
n-Propylbenzene	U		0.349	1.00	1	10/28/2015 11:40	WG824656
Styrene	U		0.307	1.00	1	10/28/2015 11:40	WG824656
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/28/2015 11:40	WG824656
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/28/2015 11:40	WG824656
Tetrachloroethene	U		0.372	1.00	1	10/28/2015 11:40	WG824656
Toluene	U		0.780	5.00	1	10/28/2015 11:40	WG824656
1,1,1-Trichloroethane	U		0.319	1.00	1	10/28/2015 11:40	WG824656
1,1,2-Trichloroethane	U		0.383	1.00	1	10/28/2015 11:40	WG824656
Trichloroethene	U		0.398	1.00	1	10/28/2015 11:40	WG824656
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/28/2015 11:40	WG824656
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/28/2015 11:40	WG824656
Vinyl chloride	U		0.259	1.00	1	10/28/2015 11:40	WG824656
o-Xylene	U		0.341	1.00	1	10/28/2015 11:40	WG824656
m&p-Xylene	U		0.719	1.00	1	10/28/2015 11:40	WG824656
Xylenes, Total	U		1.06	3.00	1	10/28/2015 11:40	WG824656
(S) Toluene-d8	96.8			90.0-115		10/28/2015 11:40	WG824656
(S) Dibromofluoromethane	92.0			79.0-121		10/28/2015 11:40	WG824656
(S) 4-Bromofluorobenzene	92.3			80.1-120		10/28/2015 11:40	WG824656

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/27/15 15:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L798475-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 15:04 • (DUP) 10/27/15 15:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3000	2980	1	0.669		5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 15:03 • (LCSD) 10/27/15 15:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8550	8600	97.2	97.7	85.0-115			0.583	5



Method Blank (MB)

(MB) 10/29/15 16:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0200		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L796127-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 17:07 • (DUP) 10/29/15 17:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	9.00		20

L796127-16 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 17:24 • (DUP) 10/29/15 17:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	51.0	*	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 17:00 • (LCSD) 10/29/15 17:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	5.16	5.33	103	107	90.0-110			3.00	20

L796127-10 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/29/15 17:13 • (MS) 10/29/15 17:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	0.500	0.0900	50.8	101	10	90.0-110	



L796252-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 17:30 • (MS) 10/29/15 17:31 • (MSD) 10/29/15 17:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Nitrate-Nitrite	0.500	19.3	65.6	65.7	93.0	93.0	10	90.0-110			0.000	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/29/15 10:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L796143-19 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 10:50 • (DUP) 10/29/15 10:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

L795910-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 10:58 • (DUP) 10/29/15 11:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 10:26 • (LCSD) 10/29/15 10:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.110	0.103	110	103	90.0-110			6.57	20



Method Blank (MB)

(MB) 10/24/15 11:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		0.0519	1.00
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L797108-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 14:36 • (DUP) 10/24/15 14:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	15.9	15.8	2	0		20
Sulfate	121	121	2	0		20

L796035-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 17:57 • (DUP) 10/24/15 18:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	24.1	24.2	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 11:56 • (LCSD) 10/24/15 12:11

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Chloride	40.0	40.4	39.4	101	99	90-110			3	20
Fluoride	8.00	8.18	8.00	102	100	90-110			2	20
Sulfate	40.0	40.8	40.2	102	101	90-110			2	20

L796014-05 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 15:07 • (MS) 10/24/15 15:22

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Chloride	50.0	23.2	78.8	111	1	80-120	
Sulfate	50.0	10.6	63.7	106	1	80-120	



L796035-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 18:27 • (MS) 10/24/15 18:43 • (MSD) 10/24/15 18:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	6.08	59.0	59.5	106	107	1	80-120			1	20
Sulfate	50.0	17.7	69.4	69.9	103	104	1	80-120			1	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/24/15 16:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L796122-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 18:23 • (DUP) 10/24/15 18:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	9.62	9.63	1	0		20
Fluoride	0.0521	0.0520	1	0	J	20
Sulfate	49.0	49.1	1	0		20

L796122-10 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 23:16 • (DUP) 10/24/15 23:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	10.7	10.7	1	1		20
Fluoride	0.130	0.132	1	1		20
Sulfate	77.2	77.5	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 16:51 • (LCSD) 10/24/15 17:06

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Chloride	40.0	39.5	39.3	99	98	90-110			1	20
Fluoride	8.00	7.93	7.89	99	99	90-110			1	20
Sulfate	40.0	40.2	39.9	100	100	90-110			1	20



L796122-02 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 18:54 • (MS) 10/24/15 19:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	8.56	59.0	101	1	80-120	
Fluoride	5.00	0.135	5.06	99	1	80-120	
Sulfate	50.0	25.4	74.8	99	1	80-120	

L796122-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 23:47 • (MS) 10/25/15 00:03 • (MSD) 10/25/15 00:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	20.2	68.8	68.7	97	97	1	80-120			0	20
Fluoride	5.00	0.261	5.05	5.18	96	98	1	80-120			2	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) 10/28/15 07:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

L796122-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:13 • (DUP) 10/28/15 13:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Fluoride	0.0617	0.0458	5	30	*	20
Sulfate	122	123	5	1		20

<sup>5</sup>Sr

<sup>6</sup>Qc

L796194-08 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 17:36 • (DUP) 10/28/15 17:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Fluoride	0.313	0.895	10	96	*	20

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 07:33 • (LCSD) 10/28/15 07:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Fluoride	8.00	7.99	7.98	100	100	90-110			0	20
Sulfate	40.0	40.1	40.1	100	100	90-110			0	20

L796002-04 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/28/15 12:12 • (MS) 10/28/15 12:27

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Fluoride	5.00	0.132	4.83	94	1	80-120	



L796127-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 15:48 • (MS) 10/28/15 16:03 • (MSD) 10/28/15 16:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Fluoride	5.00	1.18	5.73	5.80	91	92	1	80-120			1	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/24/15 14:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000049	0.000200

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 14:08 • (LCSD) 10/24/15 14:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00282	0.00268	94	89	80-120			5	20

<sup>6</sup> Qc

L798475-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 14:12 • (MS) 10/24/15 14:19 • (MSD) 10/24/15 14:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00220	0.00227	73	76	1	75-125	F		3	20

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 16:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	U		0.00025	0.00500
Nickel	U		0.00035	0.00200
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00
Vanadium	0.000489		0.00018	0.00500

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 16:37 • (LCSD) 10/28/15 16:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0495	0.0495	99	99	80-120			0	20
Barium	0.0500	0.0506	0.0498	101	100	80-120			2	20
Calcium	5.00	5.05	5.03	101	101	80-120			0	20
Chromium	0.0500	0.0497	0.0492	99	98	80-120			1	20
Iron	5.00	4.86	4.82	97	96	80-120			1	20
Lead	0.0500	0.0499	0.0499	100	100	80-120			0	20
Manganese	0.0500	0.0499	0.0484	100	97	80-120			3	20
Nickel	0.0500	0.0502	0.0498	100	100	80-120			1	20
Potassium	5.00	4.99	5.10	100	102	80-120			2	20
Selenium	0.0500	0.0489	0.0488	98	98	80-120			0	20
Sodium	5.00	4.99	5.11	100	102	80-120			2	20
Vanadium	0.0500	0.0500	0.0495	100	99	80-120			1	20



L798300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 16:42 • (MS) 10/28/15 16:46 • (MSD) 10/28/15 16:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00368	0.0565	0.0552	106	103	1	75-125			2	20
Barium	0.0500	0.0134	0.0640	0.0636	101	101	1	75-125			1	20
Chromium	0.0500	0.000393	0.0469	0.0470	93	93	1	75-125			0	20
Potassium	5.00	1.70	6.48	6.56	96	97	1	75-125			1	20
Iron	5.00	0.0193	4.58	4.58	91	91	1	75-125			0	20
Lead	0.0500	0.000120	0.0494	0.0497	98	99	1	75-125			1	20
Manganese	0.0500	0.110	0.155	0.153	90	87	1	75-125			1	20
Nickel	0.0500	0.00361	0.0485	0.0489	90	91	1	75-125			1	20
Selenium	0.0500	0.00109	0.0529	0.0516	104	101	1	75-125			2	20
Sodium	5.00	157	160	161	57	88	1	75-125	4		1	20
Vanadium	0.0500	0.0364	0.0830	0.0830	93	93	1	75-125			0	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) 10/27/15 22:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		0.0314	0.100
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	90.9			62.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 21:41 • (LCSD) 10/27/15 22:03

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	5.48	5.53	99.7	101	67.0-132			0.910	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>				104	104	62.0-128				

L798475-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 01:22 • (MS) 10/28/15 03:57 • (MSD) 10/28/15 04:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	0.241	5.05	4.80	87.5	82.8	1	50.0-143			5.15	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>					97.1	97.4		62.0-128				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/26/15 09:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/26/15 09:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	96.7			90.0-115
(S) Dibromofluoromethane	95.5			79.0-121
(S) 4-Bromofluorobenzene	96.8			80.1-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 07:59 • (LCSD) 10/26/15 08:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.0992	0.0970	79.3	77.6	28.7-175			2.24	20.9
Benzene	0.0250	0.0247	0.0249	98.7	99.5	73.0-122			0.770	20
Bromodichloromethane	0.0250	0.0223	0.0230	89.3	92.0	75.5-121			2.92	20
Bromoform	0.0250	0.0266	0.0274	107	110	71.5-131			2.80	20
Bromomethane	0.0250	0.0223	0.0231	89.3	92.3	22.4-187			3.36	20
n-Butylbenzene	0.0250	0.0244	0.0246	97.4	98.4	75.9-134			1.04	20
sec-Butylbenzene	0.0250	0.0262	0.0275	105	110	80.6-126			4.87	20
Carbon disulfide	0.0250	0.0219	0.0224	87.7	89.5	53.0-134			2.09	20
Carbon tetrachloride	0.0250	0.0244	0.0246	97.7	98.5	70.9-129			0.780	20
Chlorobenzene	0.0250	0.0270	0.0282	108	113	79.7-122			4.36	20
Chlorodibromomethane	0.0250	0.0267	0.0279	107	112	78.2-124			4.41	20
Chloroethane	0.0250	0.0186	0.0191	74.4	76.5	41.2-153			2.80	20
Chloroform	0.0250	0.0230	0.0238	92.2	95.3	73.2-125			3.27	20
Chloromethane	0.0250	0.0191	0.0194	76.4	77.6	55.8-134			1.57	20
1,2-Dibromoethane	0.0250	0.0270	0.0274	108	109	79.8-122			1.33	20
1,1-Dichloroethane	0.0250	0.0225	0.0229	89.9	91.7	71.7-127			1.96	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 07:59 • (LCSD) 10/26/15 08:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0203	0.0205	81.0	82.0	65.3-126			1.22	20
1,1-Dichloroethene	0.0250	0.0198	0.0202	79.4	80.9	59.9-137			1.91	20
cis-1,2-Dichloroethene	0.0250	0.0257	0.0262	103	105	77.3-122			1.77	20
trans-1,2-Dichloroethene	0.0250	0.0258	0.0261	103	104	72.6-125			1.32	20
1,2-Dichloropropane	0.0250	0.0225	0.0232	90.1	92.6	77.4-125			2.71	20
cis-1,3-Dichloropropene	0.0250	0.0235	0.0242	94.2	96.8	77.7-124			2.75	20
trans-1,3-Dichloropropene	0.0250	0.0232	0.0236	93.0	94.4	73.5-127			1.52	20
Ethylbenzene	0.0250	0.0271	0.0284	108	114	80.9-121			4.74	20
2-Hexanone	0.125	0.109	0.110	87.4	88.2	59.4-151			0.850	20
Isopropylbenzene	0.0250	0.0260	0.0274	104	109	81.6-124			4.98	20
p-Isopropyltoluene	0.0250	0.0262	0.0274	105	110	77.6-129			4.68	20
2-Butanone (MEK)	0.125	0.0785	0.0775	62.8	62.0	46.4-155			1.28	20
Methylene Chloride	0.0250	0.0232	0.0236	92.9	94.4	69.5-120			1.57	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0822	0.0842	65.7	67.3	63.3-138			2.40	20
Methyl tert-butyl ether	0.0250	0.0220	0.0226	87.9	90.6	70.1-125			3.02	20
Naphthalene	0.0250	0.0250	0.0252	100	101	69.7-134			0.790	20
n-Propylbenzene	0.0250	0.0254	0.0264	102	106	81.9-122			3.77	20
Styrene	0.0250	0.0268	0.0280	107	112	79.9-124			4.55	20
1,1,1,2-Tetrachloroethane	0.0250	0.0265	0.0279	106	111	78.5-125			4.99	20
1,1,2,2-Tetrachloroethane	0.0250	0.0248	0.0261	99.2	104	79.3-123			5.03	20
Tetrachloroethene	0.0250	0.0279	0.0287	112	115	73.5-130			2.86	20
Toluene	0.0250	0.0244	0.0250	97.4	100	77.9-116			2.56	20
1,1,1-Trichloroethane	0.0250	0.0232	0.0239	92.8	95.5	71.1-129			2.88	20
1,1,2-Trichloroethane	0.0250	0.0268	0.0273	107	109	81.6-120			1.90	20
Trichloroethene	0.0250	0.0260	0.0262	104	105	79.5-121			0.640	20
1,2,4-Trimethylbenzene	0.0250	0.0255	0.0268	102	107	79.0-122			5.04	20
1,3,5-Trimethylbenzene	0.0250	0.0252	0.0267	101	107	81.0-123			5.58	20
Vinyl chloride	0.0250	0.0191	0.0195	76.2	77.8	61.5-134			2.10	20
Xylenes, Total	0.0750	0.0803	0.0836	107	111	79.2-122			4.03	20
o-Xylene	0.0250	0.0270	0.0283	108	113	79.1-123			4.54	20
m&p-Xylenes	0.0500	0.0532	0.0553	106	111	78.5-122			3.77	20
(S) Toluene-d8				96.1	97.5	90.0-115				
(S) Dibromofluoromethane				94.7	95.2	79.0-121				
(S) 4-Bromofluorobenzene				96.7	98.9	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 14:54 • (MS) 10/26/15 15:15 • (MSD) 10/26/15 15:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00105	0.0444	0.0459	34.7	35.9	1	25.0-156			3.34	21.5
Benzene	0.0250	ND	0.0236	0.0217	94.4	86.7	1	58.6-133			8.51	20
Bromodichloromethane	0.0250	ND	0.0234	0.0218	93.6	87.1	1	69.2-127			7.17	20
Bromoform	0.0250	ND	0.0274	0.0246	110	98.4	1	66.3-140			10.8	20
Bromomethane	0.0250	ND	0.0176	0.0162	70.5	65.0	1	16.6-183			8.17	20.5
n-Butylbenzene	0.0250	ND	0.0248	0.0236	99.0	94.2	1	64.8-145			4.98	20
sec-Butylbenzene	0.0250	ND	0.0272	0.0253	109	101	1	66.8-139			7.11	20
Carbon disulfide	0.0250	ND	0.0132	0.0121	52.9	48.5	1	34.9-138			8.60	20
Carbon tetrachloride	0.0250	ND	0.0241	0.0223	96.6	89.3	1	60.6-139			7.79	20
Chlorobenzene	0.0250	ND	0.0274	0.0256	110	103	1	70.1-130			6.83	20
Chlorodibromomethane	0.0250	ND	0.0281	0.0255	112	102	1	71.6-132			9.54	20
Chloroethane	0.0250	ND	0.0163	0.0149	65.2	59.7	1	33.3-155			8.82	20
Chloroform	0.0250	ND	0.0242	0.0225	96.8	90.1	1	66.1-133			7.17	20
Chloromethane	0.0250	ND	0.0139	0.0129	55.5	51.5	1	40.7-139			7.54	20
1,2-Dibromoethane	0.0250	ND	0.0276	0.0252	110	101	1	73.8-131			8.92	20
1,1-Dichloroethane	0.0250	ND	0.0230	0.0211	92.1	84.3	1	64.0-134			8.88	20
1,2-Dichloroethane	0.0250	ND	0.0207	0.0187	82.9	74.9	1	60.7-132			10.2	20
1,1-Dichloroethene	0.0250	ND	0.0183	0.0168	73.3	67.3	1	48.8-144			8.56	20
cis-1,2-Dichloroethene	0.0250	ND	0.0259	0.0241	104	96.3	1	60.6-136			7.26	20
trans-1,2-Dichloroethene	0.0250	ND	0.0230	0.0214	92.1	85.7	1	61.0-132			7.23	20
1,2-Dichloropropane	0.0250	ND	0.0233	0.0217	93.2	86.7	1	69.7-130			7.30	20
cis-1,3-Dichloropropene	0.0250	ND	0.0235	0.0218	94.0	87.1	1	71.1-129			7.64	20
trans-1,3-Dichloropropene	0.0250	ND	0.0238	0.0218	95.3	87.3	1	66.3-136			8.68	20
Ethylbenzene	0.0250	ND	0.0274	0.0252	109	101	1	62.7-136			8.13	20
2-Hexanone	0.125	ND	0.116	0.103	92.8	82.6	1	59.4-154			11.6	20.1
Isopropylbenzene	0.0250	ND	0.0269	0.0250	108	99.8	1	67.4-136			7.64	20
p-Isopropyltoluene	0.0250	ND	0.0269	0.0252	107	101	1	62.8-143			6.20	20
2-Butanone (MEK)	0.125	ND	0.0618	0.0549	49.5	43.9	1	45.0-156		E	11.8	20.8
Methylene Chloride	0.0250	ND	0.0222	0.0203	88.9	81.4	1	61.5-125			8.77	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.0896	0.0807	71.7	64.6	1	60.7-150			10.5	20
Methyl tert-butyl ether	0.0250	ND	0.0231	0.0211	92.5	84.6	1	61.4-136			8.90	20
Naphthalene	0.0250	ND	0.0251	0.0252	100	101	1	61.8-143			0.360	20
n-Propylbenzene	0.0250	ND	0.0260	0.0240	104	96.1	1	63.2-139			7.68	20
Styrene	0.0250	ND	0.0272	0.0252	109	101	1	68.2-133			7.48	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0277	0.0258	111	103	1	70.5-132			7.14	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0271	0.0248	108	99.3	1	64.9-145			8.73	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 14:54 • (MS) 10/26/15 15:15 • (MSD) 10/26/15 15:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0262	0.0242	105	96.8	1	57.4-141			8.04	20
Toluene	0.0250	ND	0.0239	0.0224	95.8	89.6	1	67.8-124			6.69	20
1,1,1-Trichloroethane	0.0250	ND	0.0239	0.0219	95.7	87.6	1	58.7-134			8.80	20
1,1,2-Trichloroethane	0.0250	ND	0.0281	0.0254	112	102	1	74.1-130			10.0	20
Trichloroethene	0.0250	ND	0.0250	0.0232	99.9	92.7	1	48.9-148			7.39	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0258	0.0243	103	97.2	1	60.5-137			6.06	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0261	0.0244	104	97.5	1	67.9-134			6.65	20
Vinyl chloride	0.0250	ND	0.0154	0.0140	61.5	56.2	1	44.3-143			9.11	20
Xylenes, Total	0.0750	ND	0.0805	0.0745	107	99.3	1	65.6-133			7.81	20
o-Xylene	0.0250	ND	0.0274	0.0253	109	101	1	67.1-133			7.73	20
m&p-Xylenes	0.0500	ND	0.0531	0.0491	106	98.3	1	64.1-133			7.85	20
(S) Toluene-d8					97.4	97.4		90.0-115				
(S) Dibromofluoromethane					96.7	94.6		79.0-121				
(S) 4-Bromofluorobenzene					98.3	96.3		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L795279-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 16:37 • (MS) 10/26/15 15:56 • (MSD) 10/26/15 16:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.373	17.5	17.5	68.6	68.6	200	25.0-156			0.0600	21.5
Benzene	0.0250	0.0267	3.45	3.42	68.5	67.9	200	58.6-133			0.930	20
Bromodichloromethane	0.0250	ND	3.94	3.89	78.8	77.9	200	69.2-127			1.12	20
Bromoform	0.0250	ND	4.92	4.86	98.4	97.1	200	66.3-140			1.28	20
Bromomethane	0.0250	ND	1.98	1.91	39.5	38.1	200	16.6-183			3.63	20.5
n-Butylbenzene	0.0250	0.0645	4.52	4.52	89.1	89.1	200	64.8-145			0.0600	20
sec-Butylbenzene	0.0250	0.0290	4.83	4.79	96.0	95.2	200	66.8-139			0.750	20
Carbon disulfide	0.0250	ND	0.803	0.795	16.1	15.9	200	34.9-138	F	F	0.990	20
Carbon tetrachloride	0.0250	ND	3.57	3.55	71.3	71.0	200	60.6-139			0.530	20
Chlorobenzene	0.0250	0.0125	4.64	4.57	92.5	91.2	200	70.1-130			1.47	20
Chlorodibromomethane	0.0250	ND	4.99	4.98	99.8	99.7	200	71.6-132			0.110	20
Chloroethane	0.0250	ND	1.95	1.92	39.1	38.4	200	33.3-155			1.83	20
Chloroform	0.0250	ND	4.02	3.99	80.4	79.8	200	66.1-133			0.640	20
Chloromethane	0.0250	ND	1.39	1.39	27.9	27.9	200	40.7-139	F	F	0.0200	20
1,2-Dibromoethane	0.0250	ND	4.47	4.46	89.4	89.3	200	73.8-131			0.210	20
1,1-Dichloroethane	0.0250	ND	3.60	3.52	72.1	70.4	200	64.0-134			2.35	20



L795279-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 16:37 • (MS) 10/26/15 15:56 • (MSD) 10/26/15 16:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	ND	3.26	3.22	65.3	64.5	200	60.7-132			1.28	20
1,1-Dichloroethene	0.0250	ND	2.28	2.25	45.6	45.0	200	48.8-144	F	F	1.27	20
cis-1,2-Dichloroethene	0.0250	0.245	4.12	4.19	77.6	79.0	200	60.6-136			1.68	20
trans-1,2-Dichloroethene	0.0250	ND	2.87	2.84	57.4	56.9	200	61.0-132	F	F	0.870	20
1,2-Dichloropropane	0.0250	0.226	3.85	3.77	72.5	70.8	200	69.7-130			2.24	20
cis-1,3-Dichloropropene	0.0250	ND	3.82	3.79	76.4	75.8	200	71.1-129			0.770	20
trans-1,3-Dichloropropene	0.0250	0.103	4.00	3.77	77.9	73.4	200	66.3-136			5.83	20
Ethylbenzene	0.0250	0.0321	4.46	4.47	88.6	88.7	200	62.7-136			0.110	20
2-Hexanone	0.125	0.394	19.9	19.7	77.9	77.4	200	59.4-154			0.590	20.1
Isopropylbenzene	0.0250	0.0128	4.58	4.57	91.4	91.1	200	67.4-136			0.350	20
p-Isopropyltoluene	0.0250	0.0347	4.78	4.81	95.0	95.5	200	62.8-143			0.520	20
2-Butanone (MEK)	0.125	0.123	13.8	14.0	54.7	55.3	200	45.0-156			1.07	20.8
Methylene Chloride	0.0250	0.0199	3.21	3.17	63.8	63.0	200	61.5-125			1.22	20
4-Methyl-2-pentanone (MIBK)	0.125	0.215	14.9	15.0	58.6	59.2	200	60.7-150	F	F	0.910	20
Methyl tert-butyl ether	0.0250	0.0259	3.87	3.90	76.8	77.5	200	61.4-136			0.820	20
Naphthalene	0.0250	0.386	4.76	4.82	87.4	88.7	200	61.8-143			1.38	20
n-Propylbenzene	0.0250	0.0203	4.46	4.42	88.8	87.9	200	63.2-139			1.04	20
Styrene	0.0250	0.0160	4.72	4.67	94.2	93.0	200	68.2-133			1.25	20
1,1,1,2-Tetrachloroethane	0.0250	ND	5.02	4.90	100	98.1	200	70.5-132			2.27	20
1,1,2,2-Tetrachloroethane	0.0250	0.0293	4.79	4.78	95.1	95.0	200	64.9-145			0.170	20
Tetrachloroethene	0.0250	0.0777	3.91	3.86	76.7	75.6	200	57.4-141			1.49	20
Toluene	0.0250	0.0338	3.66	3.62	72.5	71.6	200	67.8-124			1.16	20
1,1,1-Trichloroethane	0.0250	ND	3.69	3.63	73.7	72.6	200	58.7-134			1.52	20
1,1,2-Trichloroethane	0.0250	ND	4.88	4.88	97.6	97.6	200	74.1-130			0.0700	20
Trichloroethene	0.0250	9.42	12.9	13.2	70.4	75.1	200	48.9-148			1.77	20
1,2,4-Trimethylbenzene	0.0250	0.0575	4.65	4.63	91.8	91.4	200	60.5-137			0.490	20
1,3,5-Trimethylbenzene	0.0250	0.0437	4.56	4.51	90.4	89.3	200	67.9-134			1.21	20
Vinyl chloride	0.0250	ND	1.68	1.62	33.6	32.4	200	44.3-143	F	F	3.72	20
Xylenes, Total	0.0750	ND	13.3	13.2	88.7	87.8	200	65.6-133			0.970	20
o-Xylene	0.0250	0.0346	4.60	4.59	91.3	91.1	200	67.1-133			0.290	20
m&p-Xylenes	0.0500	0.0759	8.70	8.59	86.3	85.1	200	64.1-133			1.33	20
(S) Toluene-d8					95.8	95.6		90.0-115				
(S) Dibromofluoromethane					95.8	95.4		79.0-121				
(S) 4-Bromofluorobenzene					98.1	99.7		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/28/15 10:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
Methyl tert-butyl ether	U		0.000367	0.00100
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Naphthalene	U		0.00100	0.00500
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
n-Propylbenzene	U		0.000349	0.00100
Tetrachloroethene	U		0.000372	0.00100
Styrene	U		0.000307	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 10:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Toluene	U		0.000780	0.00500
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
Vinyl chloride	U		0.000259	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	98.2			90.0-115
(S) Dibromofluoromethane	92.5			79.0-121
(S) 4-Bromofluorobenzene	93.0			80.1-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 09:29 • (LCSD) 10/28/15 09:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.103	0.101	82.6	80.7	28.7-175			2.42	20.9
Benzene	0.0250	0.0228	0.0231	91.0	92.3	73.0-122			1.39	20
Bromodichloromethane	0.0250	0.0229	0.0234	91.5	93.4	75.5-121			2.07	20
Bromoform	0.0250	0.0288	0.0296	115	118	71.5-131			2.57	20
Bromomethane	0.0250	0.0243	0.0243	97.3	97.1	22.4-187			0.280	20
n-Butylbenzene	0.0250	0.0218	0.0233	87.3	93.3	75.9-134			6.66	20
sec-Butylbenzene	0.0250	0.0235	0.0245	94.1	98.0	80.6-126			4.02	20
Carbon disulfide	0.0250	0.0226	0.0230	90.5	92.0	53.0-134			1.63	20
Carbon tetrachloride	0.0250	0.0235	0.0241	93.9	96.5	70.9-129			2.77	20
Chlorobenzene	0.0250	0.0259	0.0262	104	105	79.7-122			0.880	20
Chlorodibromomethane	0.0250	0.0259	0.0265	104	106	78.2-124			2.23	20
Chloroethane	0.0250	0.0222	0.0230	89.0	91.8	41.2-153			3.17	20
Chloroform	0.0250	0.0220	0.0223	88.0	89.0	73.2-125			1.17	20
Chloromethane	0.0250	0.0233	0.0236	93.2	94.3	55.8-134			1.16	20
1,2-Dibromoethane	0.0250	0.0258	0.0261	103	105	79.8-122			1.40	20
1,1-Dichloroethane	0.0250	0.0224	0.0229	89.6	91.5	71.7-127			2.12	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 09:29 • (LCSD) 10/28/15 09:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0198	0.0198	79.2	79.2	65.3-126			0.0100	20
1,1-Dichloroethene	0.0250	0.0201	0.0204	80.4	81.6	59.9-137			1.42	20
trans-1,2-Dichloroethene	0.0250	0.0230	0.0234	91.9	93.7	72.6-125			2.00	20
cis-1,2-Dichloroethene	0.0250	0.0235	0.0238	94.2	95.2	77.3-122			1.10	20
1,2-Dichloropropane	0.0250	0.0250	0.0253	100	101	77.4-125			1.26	20
cis-1,3-Dichloropropene	0.0250	0.0256	0.0259	102	104	77.7-124			1.14	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0244	97.8	97.6	73.5-127			0.240	20
Ethylbenzene	0.0250	0.0253	0.0259	101	104	80.9-121			2.57	20
2-Hexanone	0.125	0.128	0.126	102	101	59.4-151			1.87	20
Isopropylbenzene	0.0250	0.0246	0.0254	98.5	102	81.6-124			3.02	20
p-Isopropyltoluene	0.0250	0.0242	0.0250	96.9	99.9	77.6-129			3.07	20
Methylene Chloride	0.0250	0.0197	0.0199	78.9	79.4	69.5-120			0.630	20
2-Butanone (MEK)	0.125	0.114	0.114	91.1	91.0	46.4-155			0.0300	20
4-Methyl-2-pentanone (MIBK)	0.125	0.102	0.103	81.4	82.1	63.3-138			0.900	20
Methyl tert-butyl ether	0.0250	0.0220	0.0215	87.9	86.2	70.1-125			2.03	20
Naphthalene	0.0250	0.0217	0.0226	86.7	90.3	69.7-134			4.09	20
n-Propylbenzene	0.0250	0.0237	0.0244	94.9	97.7	81.9-122			2.87	20
Styrene	0.0250	0.0247	0.0248	98.7	99.1	79.9-124			0.450	20
1,1,1,2-Tetrachloroethane	0.0250	0.0265	0.0270	106	108	78.5-125			1.89	20
1,1,2,2-Tetrachloroethane	0.0250	0.0234	0.0239	93.5	95.5	79.3-123			2.06	20
Tetrachloroethene	0.0250	0.0272	0.0287	109	115	73.5-130			5.24	20
Toluene	0.0250	0.0235	0.0239	94.0	95.6	77.9-116			1.73	20
1,1,1-Trichloroethane	0.0250	0.0216	0.0224	86.6	89.7	71.1-129			3.54	20
1,1,2-Trichloroethane	0.0250	0.0249	0.0254	99.7	102	81.6-120			1.83	20
Trichloroethene	0.0250	0.0262	0.0266	105	106	79.5-121			1.26	20
1,2,4-Trimethylbenzene	0.0250	0.0240	0.0249	96.0	99.5	79.0-122			3.55	20
1,3,5-Trimethylbenzene	0.0250	0.0245	0.0250	98.0	100	81.0-123			2.04	20
Vinyl chloride	0.0250	0.0223	0.0227	89.0	90.7	61.5-134			1.79	20
Xylenes, Total	0.0750	0.0768	0.0785	102	105	79.2-122			2.16	20
o-Xylene	0.0250	0.0259	0.0260	104	104	79.1-123			0.230	20
m&p-Xylenes	0.0500	0.0509	0.0525	102	105	78.5-122			3.14	20
(S) Toluene-d8				99.6	99.7	90.0-115				
(S) Dibromofluoromethane				91.4	89.9	79.0-121				
(S) 4-Bromofluorobenzene				98.3	96.4	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L796473-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 13:26 • (MS) 10/28/15 14:47 • (MSD) 10/28/15 15:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.000549	0.0430	0.0493	34.0	39.0	1	25.0-156			13.5	21.5
Benzene	0.0250	ND	0.0174	0.0196	69.7	78.4	1	58.6-133			11.8	20
Bromodichloromethane	0.0250	ND	0.0204	0.0231	81.7	92.6	1	69.2-127			12.5	20
Bromoform	0.0250	ND	0.0276	0.0314	111	126	1	66.3-140			12.8	20
Bromomethane	0.0250	ND	0.0129	0.0150	51.7	60.0	1	16.6-183			15.0	20.5
n-Butylbenzene	0.0250	ND	0.0208	0.0245	83.0	97.9	1	64.8-145			16.5	20
sec-Butylbenzene	0.0250	ND	0.0217	0.0254	86.8	101	1	66.8-139			15.6	20
Carbon tetrachloride	0.0250	ND	0.0193	0.0219	77.3	87.4	1	60.6-139			12.3	20
Carbon disulfide	0.0250	ND	0.00722	0.00843	28.9	33.7	1	34.9-138	F	F	15.5	20
Chlorobenzene	0.0250	ND	0.0217	0.0250	86.7	100	1	70.1-130			14.4	20
Chlorodibromomethane	0.0250	ND	0.0239	0.0265	95.4	106	1	71.6-132			10.3	20
Chloroethane	0.0250	ND	0.0143	0.0157	57.0	62.6	1	33.3-155			9.32	20
Chloroform	0.0250	ND	0.0195	0.0217	78.0	86.9	1	66.1-133			10.8	20
Chloromethane	0.0250	ND	0.0113	0.0131	45.2	52.4	1	40.7-139			14.8	20
1,2-Dibromoethane	0.0250	ND	0.0216	0.0249	86.4	99.7	1	73.8-131			14.3	20
1,1-Dichloroethane	0.0250	ND	0.0190	0.0211	76.0	84.3	1	64.0-134			10.3	20
1,2-Dichloroethane	0.0250	ND	0.0164	0.0184	65.6	73.8	1	60.7-132			11.7	20
1,1-Dichloroethene	0.0250	ND	0.0135	0.0156	53.9	62.4	1	48.8-144			14.6	20
cis-1,2-Dichloroethene	0.0250	ND	0.0189	0.0209	75.5	83.6	1	60.6-136			10.2	20
trans-1,2-Dichloroethene	0.0250	ND	0.0151	0.0170	60.6	68.1	1	61.0-132	F		11.6	20
1,2-Dichloropropane	0.0250	ND	0.0216	0.0244	86.3	97.7	1	69.7-130			12.4	20
cis-1,3-Dichloropropene	0.0250	ND	0.0214	0.0233	85.4	93.1	1	71.1-129			8.60	20
trans-1,3-Dichloropropene	0.0250	ND	0.0213	0.0235	85.3	94.2	1	66.3-136			9.89	20
Ethylbenzene	0.0250	ND	0.0209	0.0242	83.5	96.9	1	62.7-136			14.9	20
2-Hexanone	0.125	ND	0.0980	0.115	78.4	92.0	1	59.4-154			16.0	20.1
Isopropylbenzene	0.0250	ND	0.0217	0.0251	86.7	100	1	67.4-136			14.6	20
p-Isopropyltoluene	0.0250	ND	0.0226	0.0258	90.2	103	1	62.8-143			13.6	20
Methylene Chloride	0.0250	ND	0.0150	0.0164	60.1	65.8	1	61.5-125	F		9.03	20
2-Butanone (MEK)	0.125	ND	0.0754	0.0879	60.3	70.3	1	45.0-156			15.3	20.8
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.101	0.116	80.4	93.1	1	60.7-150			14.7	20
Methyl tert-butyl ether	0.0250	ND	0.0196	0.0217	78.6	86.9	1	61.4-136			10.0	20
Naphthalene	0.0250	ND	0.0213	0.0254	85.3	102	1	61.8-143			17.5	20
n-Propylbenzene	0.0250	ND	0.0209	0.0240	83.6	96.1	1	63.2-139			14.0	20
Styrene	0.0250	ND	0.0212	0.0240	84.9	96.1	1	68.2-133			12.4	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0232	0.0268	92.6	107	1	64.9-145			14.7	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0241	0.0273	96.3	109	1	70.5-132			12.6	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



L796473-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 13:26 • (MS) 10/28/15 14:47 • (MSD) 10/28/15 15:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0204	0.0236	81.6	94.3	1	57.4-141			14.5	20
Toluene	0.0250	ND	0.0186	0.0211	74.2	84.5	1	67.8-124			13.0	20
1,1,1-Trichloroethane	0.0250	ND	0.0185	0.0208	73.8	83.3	1	58.7-134			12.0	20
1,1,2-Trichloroethane	0.0250	ND	0.0226	0.0255	90.5	102	1	74.1-130			12.2	20
Trichloroethene	0.0250	ND	0.0198	0.0229	79.4	91.7	1	48.9-148			14.5	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0212	0.0246	85.0	98.3	1	60.5-137			14.5	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0216	0.0248	86.4	99.2	1	67.9-134			13.8	20
Vinyl chloride	0.0250	ND	0.0119	0.0139	47.8	55.8	1	44.3-143			15.5	20
Xylenes, Total	0.0750	ND	0.0629	0.0726	83.9	96.8	1	65.6-133			14.3	20
o-Xylene	0.0250	ND	0.0212	0.0245	84.8	98.0	1	67.1-133			14.4	20
m&p-Xylenes	0.0500	ND	0.0417	0.0481	83.4	96.2	1	64.1-133			14.3	20
(S) Toluene-d8					98.7	98.7		90.0-115				
(S) Dibromofluoromethane					89.7	90.3		79.0-121				
(S) 4-Bromofluorobenzene					94.4	94.3		80.1-120				

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 20:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 20:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	101			90.0-115
(S) Dibromofluoromethane	93.0			79.0-121
(S) 4-Bromofluorobenzene	103			80.1-120

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 19:12 • (LCSD) 10/28/15 19:31

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.0621	0.0616	49.7	49.3	28.7-175			0.720	20.9
Benzene	0.0250	0.0265	0.0265	106	106	73.0-122			0.0700	20
Bromodichloromethane	0.0250	0.0235	0.0233	93.8	93.2	75.5-121			0.630	20
Bromoform	0.0250	0.0311	0.0303	124	121	71.5-131			2.41	20
Bromomethane	0.0250	0.0286	0.0306	114	122	22.4-187			6.90	20
n-Butylbenzene	0.0250	0.0258	0.0248	103	99.0	75.9-134			3.95	20
sec-Butylbenzene	0.0250	0.0287	0.0282	115	113	80.6-126			1.78	20
Carbon disulfide	0.0250	0.0265	0.0262	106	105	53.0-134			1.32	20
Carbon tetrachloride	0.0250	0.0244	0.0248	97.6	99.2	70.9-129			1.67	20
Chlorobenzene	0.0250	0.0297	0.0294	119	118	79.7-122			1.02	20
Chlorodibromomethane	0.0250	0.0296	0.0292	119	117	78.2-124			1.32	20
Chloroethane	0.0250	0.0238	0.0241	95.1	96.3	41.2-153			1.24	20
Chloroform	0.0250	0.0250	0.0252	100	101	73.2-125			0.590	20
Chloromethane	0.0250	0.0212	0.0212	84.7	84.6	55.8-134			0.0900	20
1,2-Dibromoethane	0.0250	0.0290	0.0288	116	115	79.8-122			0.930	20
1,1-Dichloroethane	0.0250	0.0258	0.0259	103	104	71.7-127			0.350	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 19:12 • (LCSD) 10/28/15 19:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0223	0.0228	89.4	91.1	65.3-126			1.86	20
1,1-Dichloroethene	0.0250	0.0258	0.0258	103	103	59.9-137			0.110	20
cis-1,2-Dichloroethene	0.0250	0.0253	0.0251	101	100	77.3-122			0.920	20
trans-1,2-Dichloroethene	0.0250	0.0261	0.0259	104	103	72.6-125			0.980	20
1,2-Dichloropropane	0.0250	0.0273	0.0268	109	107	77.4-125			1.70	20
cis-1,3-Dichloropropene	0.0250	0.0255	0.0251	102	100	77.7-124			1.60	20
trans-1,3-Dichloropropene	0.0250	0.0246	0.0246	98.5	98.5	73.5-127			0.100	20
Ethylbenzene	0.0250	0.0297	0.0289	119	116	80.9-121			2.48	20
2-Hexanone	0.125	0.113	0.110	90.2	87.7	59.4-151			2.88	20
Isopropylbenzene	0.0250	0.0292	0.0284	117	114	81.6-124			2.83	20
p-Isopropyltoluene	0.0250	0.0290	0.0280	116	112	77.6-129			3.60	20
2-Butanone (MEK)	0.125	0.0831	0.0832	66.5	66.6	46.4-155			0.180	20
Methylene Chloride	0.0250	0.0245	0.0250	98.0	99.8	69.5-120			1.84	20
4-Methyl-2-pentanone (MIBK)	0.125	0.110	0.107	88.2	85.9	63.3-138			2.56	20
Methyl tert-butyl ether	0.0250	0.0259	0.0259	104	103	70.1-125			0.240	20
Naphthalene	0.0250	0.0240	0.0234	95.9	93.8	69.7-134			2.25	20
n-Propylbenzene	0.0250	0.0284	0.0278	114	111	81.9-122			1.97	20
Styrene	0.0250	0.0308	0.0299	123	120	79.9-124			2.97	20
1,1,1,2-Tetrachloroethane	0.0250	0.0284	0.0286	114	114	78.5-125			0.640	20
1,1,2,2-Tetrachloroethane	0.0250	0.0228	0.0224	91.3	89.8	79.3-123			1.75	20
Tetrachloroethene	0.0250	0.0313	0.0309	125	124	73.5-130			1.44	20
Toluene	0.0250	0.0277	0.0269	111	108	77.9-116			2.87	20
1,1,1-Trichloroethane	0.0250	0.0233	0.0235	93.1	93.9	71.1-129			0.930	20
1,1,2-Trichloroethane	0.0250	0.0267	0.0265	107	106	81.6-120			0.870	20
Trichloroethene	0.0250	0.0314	0.0314	126	126	79.5-121	*	*	0.0400	20
1,2,4-Trimethylbenzene	0.0250	0.0276	0.0268	111	107	79.0-122			2.93	20
1,3,5-Trimethylbenzene	0.0250	0.0286	0.0275	114	110	81.0-123			3.82	20
Vinyl chloride	0.0250	0.0239	0.0240	95.7	96.0	61.5-134			0.270	20
Xylenes, Total	0.0750	0.0895	0.0871	119	116	79.2-122			2.64	20
o-Xylene	0.0250	0.0297	0.0291	119	116	79.1-123			2.17	20
m&p-Xylenes	0.0500	0.0598	0.0581	120	116	78.5-122			2.87	20
(S) Toluene-d8				101	99.8	90.0-115				
(S) Dibromofluoromethane				91.2	92.6	79.0-121				
(S) 4-Bromofluorobenzene				102	101	80.1-120				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



L796154-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 22:08 • (MS) 10/28/15 20:49 • (MSD) 10/28/15 21:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.000583	0.0456	0.0459	36.0	36.2	1	25.0-156			0.540	21.5
Benzene	0.0250	ND	0.0192	0.0189	77.0	75.5	1	58.6-133			1.87	20
Bromodichloromethane	0.0250	ND	0.0205	0.0200	82.1	80.0	1	69.2-127			2.66	20
Bromoform	0.0250	ND	0.0279	0.0287	111	115	1	66.3-140			2.98	20
Bromomethane	0.0250	ND	0.0141	0.0143	56.5	57.2	1	16.6-183			1.24	20.5
n-Butylbenzene	0.0250	ND	0.0242	0.0238	96.8	95.2	1	64.8-145			1.68	20
sec-Butylbenzene	0.0250	ND	0.0263	0.0261	105	104	1	66.8-139			0.960	20
Carbon disulfide	0.0250	ND	0.00681	0.00665	27.3	26.6	1	34.9-138	F	F	2.48	20
Carbon tetrachloride	0.0250	ND	0.0184	0.0181	73.6	72.2	1	60.6-139			1.94	20
Chlorobenzene	0.0250	ND	0.0253	0.0250	101	99.9	1	70.1-130			1.08	20
Chlorodibromomethane	0.0250	ND	0.0263	0.0264	105	106	1	71.6-132			0.500	20
Chloroethane	0.0250	ND	0.0142	0.0142	57.0	56.8	1	33.3-155			0.280	20
Chloroform	0.0250	ND	0.0216	0.0212	86.3	85.0	1	66.1-133			1.52	20
Chloromethane	0.0250	ND	0.0106	0.0104	42.4	41.5	1	40.7-139			2.26	20
1,2-Dibromoethane	0.0250	ND	0.0246	0.0239	98.2	95.7	1	73.8-131			2.62	20
1,1-Dichloroethane	0.0250	ND	0.0203	0.0201	81.2	80.5	1	64.0-134			0.950	20
1,2-Dichloroethane	0.0250	ND	0.0180	0.0180	72.1	72.1	1	60.7-132			0.0500	20
1,1-Dichloroethene	0.0250	ND	0.0156	0.0151	62.2	60.4	1	48.8-144			2.91	20
cis-1,2-Dichloroethene	0.0250	ND	0.0193	0.0191	77.3	76.6	1	60.6-136			0.980	20
trans-1,2-Dichloroethene	0.0250	ND	0.0156	0.0153	62.5	61.0	1	61.0-132			2.35	20
1,2-Dichloropropane	0.0250	ND	0.0224	0.0223	89.7	89.0	1	69.7-130			0.710	20
cis-1,3-Dichloropropene	0.0250	ND	0.0206	0.0204	82.5	81.7	1	71.1-129			1.01	20
trans-1,3-Dichloropropene	0.0250	ND	0.0210	0.0207	84.0	82.6	1	66.3-136			1.62	20
Ethylbenzene	0.0250	ND	0.0251	0.0244	100	97.8	1	62.7-136			2.61	20
2-Hexanone	0.125	ND	0.100	0.104	80.3	83.2	1	59.4-154			3.56	20.1
Isopropylbenzene	0.0250	ND	0.0256	0.0251	102	100	1	67.4-136			1.95	20
p-Isopropyltoluene	0.0250	ND	0.0267	0.0266	107	107	1	62.8-143			0.130	20
2-Butanone (MEK)	0.125	ND	0.0730	0.0747	58.4	59.7	1	45.0-156			2.28	20.8
Methylene Chloride	0.0250	ND	0.0177	0.0171	70.9	68.6	1	61.5-125			3.37	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.104	0.107	83.4	85.3	1	60.7-150			2.25	20
Methyl tert-butyl ether	0.0250	ND	0.0224	0.0220	89.7	88.2	1	61.4-136			1.77	20
Naphthalene	0.0250	ND	0.0220	0.0231	88.0	92.3	1	61.8-143			4.69	20
n-Propylbenzene	0.0250	ND	0.0255	0.0250	102	99.8	1	63.2-139			2.10	20
Styrene	0.0250	ND	0.0261	0.0261	104	104	1	68.2-133			0.110	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0262	0.0259	105	103	1	70.5-132			1.47	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0231	0.0239	92.2	95.8	1	64.9-145			3.81	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L796154-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 22:08 • (MS) 10/28/15 20:49 • (MSD) 10/28/15 21:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0230	0.0227	92.0	90.9	1	57.4-141			1.20	20
Toluene	0.0250	ND	0.0209	0.0204	83.8	81.7	1	67.8-124			2.46	20
1,1,1-Trichloroethane	0.0250	ND	0.0188	0.0183	75.4	73.3	1	58.7-134			2.75	20
1,1,2-Trichloroethane	0.0250	ND	0.0244	0.0242	97.5	96.9	1	74.1-130			0.690	20
Trichloroethene	0.0250	ND	0.0231	0.0228	92.3	91.3	1	48.9-148			1.10	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0248	0.0246	99.4	98.2	1	60.5-137			1.17	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0253	0.0250	101	99.9	1	67.9-134			1.35	20
Vinyl chloride	0.0250	ND	0.0132	0.0126	53.0	50.4	1	44.3-143			4.99	20
Xylenes, Total	0.0750	ND	0.0749	0.0733	99.8	97.7	1	65.6-133			2.13	20
o-Xylene	0.0250	ND	0.0251	0.0250	100	99.8	1	67.1-133			0.600	20
m&p-Xylenes	0.0500	ND	0.0498	0.0483	99.5	96.7	1	64.1-133			2.92	20
(S) Toluene-d8					101	99.8		90.0-115				
(S) Dibromofluoromethane					91.9	91.0		79.0-121				
(S) 4-Bromofluorobenzene					103	103		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/27/15 18:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) High Fraction	U		0.0247	0.100
<i>(S) o-Terphenyl</i>	89.7			50.0-150

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 18:30 • (LCSD) 10/27/15 18:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) High Fraction	1.50	1.26	1.20	84.3	79.8	50.0-150			5.51	20
<i>(S) o-Terphenyl</i>				96.5	94.0	50.0-150				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
4	The sample concentration was greater than 4 times the spike value.
*	LCS/LCSD recovery outside the control limit or RPD value outside the control limit.
F	The MS/MSD recovery outside the control limit.
J	Estimated value.
X	Surrogate recovery outside the control limit.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

## State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee <sup>14</sup>	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

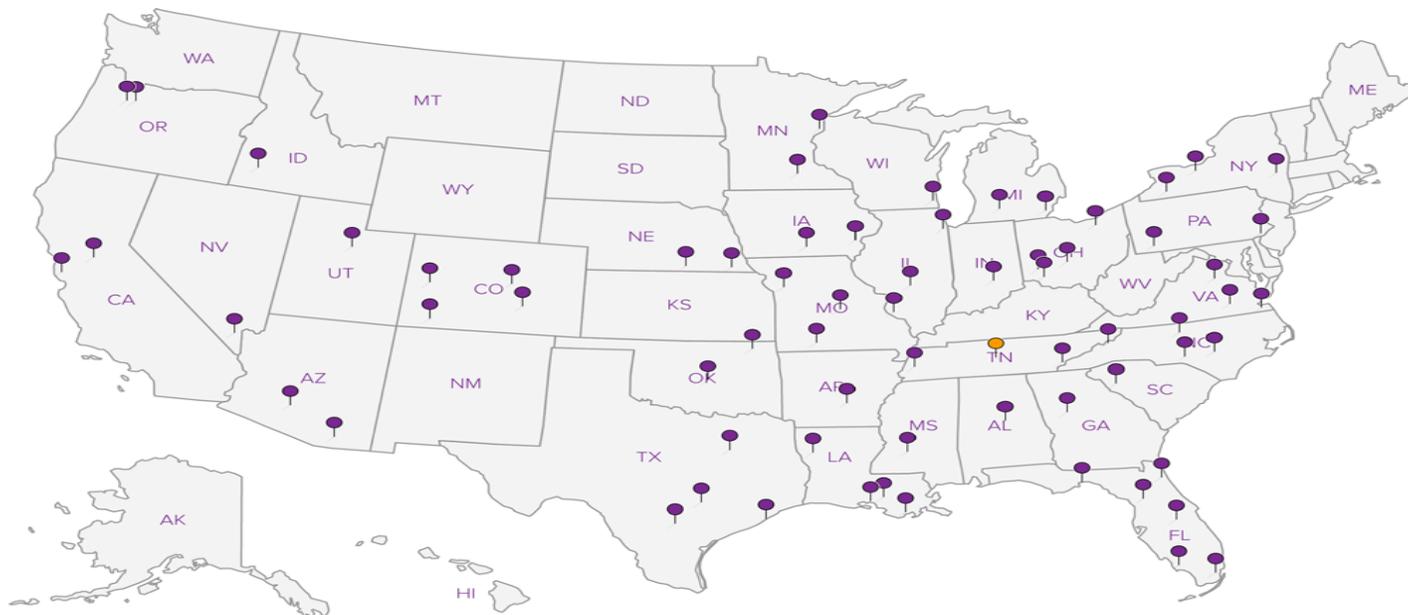
## Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

**ARCADIS US - TX**  
 2929 Briarpark Dr., Suite 300  
 Houston, TX 77042

Billing Information:  
 Att: Accounts Payable  
 630 Plaza Drive, Suite 600  
 Highlands Ranch, CO 80129

Report to:  
**Pam Krueger**

Email To: pam.krueger@arcadis-us.com;  
 maisha.turner@arcadis-us.com;

Project Description: **Navajo Refining Company - Artesia, NM**

City/State Collected: **Artesia, NM**  
 Lab Project # **ARCADHTX-NAVAJO FULL**

Phone: **713-953-4800**  
 Fax:  
 Collected by (print): **Greg Scherbenske**  
 Collected by (signature): *[Signature]*  
 Immediately Packed on Ice N  Y

Client Project # **TX000836.0007.15008**  
 Site/Facility ID # **TEL**  
**Rush?** (Lab MUST Be Notified)  
 Same Day .....200%  
 Next Day .....100%  
 Two Day .....50%  
 Three Day .....25%

P.O. #  
 Date Results Needed  
 Email?  No  Yes  
 FAX?  No  Yes  
 No. of Cntrs

Analysis / Container / Preservative						
CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40ml Amb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres
						V8260 40miAmb-HCl
						V8260 40miAmb-HCl-Bik

*O = with Ca, K, Na < 2*

Chain of Custody Page 6 of 16



**ESC**  
 L.A.B S.C.I.E.N.C.E.S  
 YOUR LAB OF CHOICE  
 12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859



L # ~~11077~~  
 Table # **L798485**  
 Acctnum: **ARCADHTX**  
 Template: **T105670**  
 Prelogin: **P524745**  
 TSR: **633 - Pam Langford**  
 PB: *9.16 ML*  
 Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40ml Amb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	V8260 40miAmb-HCl	V8260 40miAmb-HCl-Bik	Rem./Contaminant	Sample # (lab only)	
MW-49	Grab	GW		10/20/15	1315	11	X	X	X	X	X	X	X	X	X	X	-03	#
TEL-4		GW		10/20/15	745	10	X		X	X	X	X	X	X			-04	#
TEL-3		GW		10/20/15	1050	10	X		X	X	X	X	X	X			-05	#
TEL-2		GW		10/20/15	1005	10	X		X	X	X	X	X	X			-06	#
TEL-1		GW		10/20/15	920	10	X		X	X	X	X	X	X			-07	#
DUP-TEL-01		GW		10/20/15	900	10	X		X	X	X	X	X	X			-08	#
EB-TEL-01		GW		10/20/15	1105	10	X		X	X	X	X	X	X			-09	#
TRIP BLANK-TEL-01	✓	GW		10/20/15	-	1									X		-10	#

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other \_\_\_\_\_

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature) *[Signature]* Date: **7/21/15** Time: **730**

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature) *[Signature]* Time: **730**

Received by: (Signature) \_\_\_\_\_ Time: \_\_\_\_\_

Received for lab by: (Signature) *[Signature]* Date: **10/22/15** Time: **0900**

Samples returned via:  UPS  FedEx  Courier  \_\_\_\_\_

Temp: **3.1** °C Bottles Received: **72**

Condition: (lab use only) **OK**

COC Seal Intact:  Y  N  NA

pH Checked: \_\_\_\_\_ NCF: \_\_\_\_\_

## ARCADIS US - TX

Sample Delivery Group: L798576  
Samples Received: 10/21/2015  
Project Number: TX000836.0007.15004  
Description: Navajo Refining Company - Artesia, NM  
Site: NCL  
Report To: Pam Krueger  
2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Entire Report Reviewed By:



Mark W. Beasley

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



<b><sup>1</sup>Cp: Cover Page</b>	<b>1</b>	
<b><sup>2</sup>Tc: Table of Contents</b>	<b>2</b>	
<b><sup>3</sup>Ss: Sample Summary</b>	<b>3</b>	
<b><sup>4</sup>Cn: Case Narrative</b>	<b>6</b>	
<b><sup>5</sup>Sr: Sample Results</b>	<b>7</b>	
NCL-34A L798576-01	7	
NCL-33 L798576-02	9	
NCL-44 L798576-03	11	
NCL-32 L798576-04	13	
MW-108 L798576-05	15	
NCL-31 L798576-06	17	
EB-NCL-01 L798576-07	19	
TRIP BLANK-NCL-01 L798576-08	21	
MW-55 L798576-09	22	
MW-54A L798576-10	24	
NCL-49 L798576-11	26	
DUP-NCL-01 L798576-12	28	
<b><sup>6</sup>Qc: Quality Control Summary</b>	<b>30</b>	
Gravimetric Analysis by Method 2540 C-2011	30	
Wet Chemistry by Method 353.2	34	
Wet Chemistry by Method 9012B	40	
Wet Chemistry by Method 9056A	41	
Wet Chemistry by Method 9056MOD	42	
Mercury by Method 7470A	46	
Metals (ICPMS) by Method 6020	47	
Volatile Organic Compounds (GC) by Method 8015D/GRO	53	
Volatile Organic Compounds (GC/MS) by Method 8260B	54	
Semi-Volatile Organic Compounds (GC) by Method 8015M	75	
<b><sup>7</sup>Gl: Glossary of Terms</b>	<b>78</b>	
<b><sup>8</sup>Al: Accreditations &amp; Locations</b>	<b>79</b>	
<b><sup>9</sup>Sc: Chain of Custody</b>	<b>80</b>	

# SAMPLE SUMMARY



## NCL-34A L798576-01 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 13:10

Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824448	1	10/26/15 15:32	10/27/15 15:24	MF
Metals (ICPMS) by Method 6020	WG824868	5	10/28/15 10:42	10/28/15 19:26	LAT
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823977	1	10/26/15 09:27	10/29/15 00:20	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824847	1	10/28/15 00:26	10/28/15 00:26	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG825127	20	10/29/15 03:20	10/29/15 03:20	JAH
Wet Chemistry by Method 353.2	WG825446	10	10/29/15 17:29	10/29/15 17:29	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 15:27	10/27/15 15:27	DJD
Wet Chemistry by Method 9056MOD	WG824303	50	10/27/15 16:11	10/27/15 16:11	DJD

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## NCL-33 L798576-02 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 12:20

Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:29	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:17	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/27/15 03:04	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 14:42	10/27/15 14:42	JAH
Wet Chemistry by Method 353.2	WG825537	10	11/02/15 11:04	11/02/15 11:04	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 15:42	10/27/15 15:42	DJD
Wet Chemistry by Method 9056MOD	WG824303	50	10/27/15 16:25	10/27/15 16:25	DJD

## NCL-44 L798576-03 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 11:30

Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:29	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:19	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/27/15 03:25	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 16:07	10/27/15 16:07	JAH
Wet Chemistry by Method 353.2	WG825537	10	11/02/15 11:05	11/02/15 11:05	ASK
Wet Chemistry by Method 9056A	WG824303	1	10/27/15 17:53	10/27/15 17:53	ADH
Wet Chemistry by Method 9056A	WG824303	50	10/27/15 16:40	10/27/15 16:40	ADH

## NCL-32 L798576-04 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 10:30

Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:56	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:21	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	5	10/26/15 00:00	10/27/15 03:45	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 16:29	10/27/15 16:29	JAH
Wet Chemistry by Method 353.2	WG825537	10	11/02/15 11:06	11/02/15 11:06	ASK
Wet Chemistry by Method 9056A	WG824303	1	10/27/15 18:21	10/27/15 18:21	DJD
Wet Chemistry by Method 9056A	WG824303	50	10/27/15 17:09	10/27/15 17:09	DJD

## MW-108 L798576-05 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 09:15

Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:29	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:30	JDG

# SAMPLE SUMMARY



## MW-108 L798576-05 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/20/15 09:15      Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	5	10/26/15 00:00	10/27/15 04:05	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG825316	10	10/29/15 13:51	10/29/15 13:51	JAH
Wet Chemistry by Method 353.2	WG825537	10	11/02/15 11:07	11/02/15 11:07	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 18:36	10/27/15 18:36	DJD
Wet Chemistry by Method 9056MOD	WG824303	50	10/27/15 19:48	10/27/15 19:48	DJD

1  
Cp

2  
Tc

3  
Ss

4  
Cn

## NCL-31 L798576-06 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/20/15 08:15      Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:55	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:32	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/26/15 21:01	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 17:11	10/27/15 17:11	JAH
Wet Chemistry by Method 353.2	WG825537	10	11/02/15 11:08	11/02/15 11:08	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 18:50	10/27/15 18:50	DJD
Wet Chemistry by Method 9056MOD	WG824303	50	10/27/15 20:02	10/27/15 20:02	DJD

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## EB-NCL-01 L798576-07 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/20/15 10:50      Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824953	1	10/27/15 15:53	10/28/15 12:15	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:51	JDG
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 13:46	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/26/15 21:21	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 17:32	10/27/15 17:32	JAH
Wet Chemistry by Method 353.2	WG825537	10	11/02/15 11:10	11/02/15 11:10	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 19:05	10/27/15 19:05	DJD

## TRIP BLANK-NCL-01 L798576-08 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/20/15 00:00      Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 13:59	10/27/15 13:59	JAH

## MW-55 L798576-09 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 16:20      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823732	1	10/23/15 15:11	10/24/15 14:59	MF
Mercury by Method 7470A	WG823720	1	10/22/15 15:10	10/22/15 17:42	TRB
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:16	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/25/15 01:37	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 14:35	10/27/15 14:35	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 02:14	10/26/15 02:14	JAH
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:32	10/28/15 13:32	ASK
Wet Chemistry by Method 9012B	WG824888	1	10/27/15 17:55	10/28/15 07:03	DR
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 03:36	10/24/15 03:36	DJD
Wet Chemistry by Method 9056MOD	WG823862	50	10/24/15 04:49	10/24/15 04:49	DJD

# SAMPLE SUMMARY



## MW-54A L798576-10 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/19/15 09:25  
 Received date/time: 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823732	1	10/23/15 15:11	10/24/15 15:00	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:18	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/25/15 01:57	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 02:35	10/26/15 02:35	JAH
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:33	10/28/15 13:33	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 03:51	10/24/15 03:51	DJD
Wet Chemistry by Method 9056MOD	WG823862	10	10/24/15 05:03	10/24/15 05:03	DJD

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

## NCL-49 L798576-11 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/19/15 08:25  
 Received date/time: 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823732	1	10/23/15 15:11	10/24/15 14:53	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:20	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/25/15 02:18	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 02:56	10/26/15 02:56	JAH
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:39	10/28/15 13:39	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 04:05	10/24/15 04:05	DJD
Wet Chemistry by Method 9056MOD	WG823862	20	10/24/15 05:17	10/24/15 05:17	DJD

6  
Qc

7  
Gl

8  
Al

9  
Sc

## DUP-NCL-01 L798576-12 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/19/15 09:00  
 Received date/time: 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823732	1	10/23/15 15:11	10/24/15 14:59	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:23	JDG
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/25/15 02:38	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 03:17	10/26/15 03:17	JAH
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:42	10/28/15 13:42	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 04:20	10/24/15 04:20	DJD
Wet Chemistry by Method 9056MOD	WG823862	50	10/24/15 05:32	10/24/15 05:32	DJD



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley  
Technical Service Representative

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1250000		2820	10000	1	10/27/2015 15:24	<a href="#">WG824448</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	284	J	197	1000	10	10/29/2015 17:29	<a href="#">WG825446</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	182000		2600	50000	50	10/27/2015 16:11	<a href="#">WG824303</a>
Fluoride	1430		9.90	100	1	10/27/2015 15:27	<a href="#">WG824303</a>
Sulfate	104000	J	3870	250000	50	10/27/2015 16:11	<a href="#">WG824303</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.18	J	1.25	10.0	5	10/28/2015 19:26	<a href="#">WG824868</a>
Barium	382		1.80	25.0	5	10/28/2015 19:26	<a href="#">WG824868</a>
Calcium	202000		230	5000	5	10/28/2015 19:26	<a href="#">WG824868</a>
Chromium	U		2.70	10.0	5	10/28/2015 19:26	<a href="#">WG824868</a>
Iron	U		75.0	500	5	10/28/2015 19:26	<a href="#">WG824868</a>
Lead	1.36	J	1.20	10.0	5	10/28/2015 19:26	<a href="#">WG824868</a>
Manganese	42.0		1.25	25.0	5	10/28/2015 19:26	<a href="#">WG824868</a>
Potassium	877	J	185	5000	5	10/28/2015 19:26	<a href="#">WG824868</a>
Selenium	6.41	J	1.90	10.0	5	10/28/2015 19:26	<a href="#">WG824868</a>
Sodium	103000		550	5000	5	10/28/2015 19:26	<a href="#">WG824868</a>

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/28/2015 00:26	<a href="#">WG824847</a>
Benzene	695	*	6.62	20.0	20	10/29/2015 03:20	<a href="#">WG825127</a>
Bromodichloromethane	U		0.380	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Bromoform	U		0.469	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Bromomethane	U		0.866	5.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
n-Butylbenzene	6.46		0.361	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
sec-Butylbenzene	17.4		0.365	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Carbon disulfide	1.67		0.275	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Carbon tetrachloride	U		0.379	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Chlorobenzene	U		0.348	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Chlorodibromomethane	U		0.327	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Chloroethane	U		0.453	5.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Chloroform	U		0.324	5.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Chloromethane	U		0.276	2.50	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	2.15		0.384	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Isopropylbenzene	85.1		0.326	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
p-Isopropyltoluene	7.32		0.350	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/28/2015 00:26	<a href="#">WG824847</a>
2-Hexanone	U		3.82	10.0	1	10/28/2015 00:26	<a href="#">WG824847</a>
Methylene Chloride	U		1.00	5.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/28/2015 00:26	<a href="#">WG824847</a>
Methyl tert-butyl ether	1.68		0.367	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Naphthalene	U		1.00	5.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
n-Propylbenzene	85.7		0.349	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Styrene	U		0.307	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Tetrachloroethene	U		0.372	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Toluene	U		0.780	5.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Trichloroethene	U		0.398	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,2,4-Trimethylbenzene	58.9		0.373	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
1,3,5-Trimethylbenzene	0.423	U	0.387	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Vinyl chloride	U		0.259	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
o-Xylene	0.477	U	0.341	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
m&p-Xylene	65.3		0.719	1.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
Xylenes, Total	65.8		1.06	3.00	1	10/28/2015 00:26	<a href="#">WG824847</a>
(S) Toluene-d8	106			90.0-115		10/28/2015 00:26	<a href="#">WG824847</a>
(S) Dibromofluoromethane	101			79.0-121		10/28/2015 00:26	<a href="#">WG824847</a>
(S) 4-Bromofluorobenzene	99.2			80.1-120		10/28/2015 00:26	<a href="#">WG824847</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5110		24.7	100	1	10/29/2015 00:20	<a href="#">WG823977</a>
(S) o-Terphenyl	102			50.0-150		10/29/2015 00:20	<a href="#">WG823977</a>



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2140000		2820	10000	1	10/27/2015 14:29	<a href="#">WG824453</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	11/02/2015 11:04	<a href="#">WG825537</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	404000		2600	50000	50	10/27/2015 16:25	<a href="#">WG824303</a>
Fluoride	2490		9.90	100	1	10/27/2015 15:42	<a href="#">WG824303</a>
Sulfate	847000		3870	250000	50	10/27/2015 16:25	<a href="#">WG824303</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.85		0.250	2.00	1	10/29/2015 11:17	<a href="#">WG824869</a>
Barium	27.4		0.360	5.00	1	10/29/2015 11:17	<a href="#">WG824869</a>
Calcium	419000		46.0	1000	1	10/29/2015 11:17	<a href="#">WG824869</a>
Chromium	U		0.540	2.00	1	10/29/2015 11:17	<a href="#">WG824869</a>
Iron	2490		15.0	100	1	10/29/2015 11:17	<a href="#">WG824869</a>
Lead	0.259	J	0.240	2.00	1	10/29/2015 11:17	<a href="#">WG824869</a>
Manganese	117		0.250	5.00	1	10/29/2015 11:17	<a href="#">WG824869</a>
Potassium	4860		37.0	1000	1	10/29/2015 11:17	<a href="#">WG824869</a>
Selenium	0.519	J	0.380	2.00	1	10/29/2015 11:17	<a href="#">WG824869</a>
Sodium	119000		110	1000	1	10/29/2015 11:17	<a href="#">WG824869</a>

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 14:42	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Bromoform	U	F	0.469	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
sec-Butylbenzene	U		0.365	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Carbon disulfide	U	F	0.275	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Carbon tetrachloride	U	F	0.379	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Chlorobenzene	U	F	0.348	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Chlorodibromomethane	U	F	0.327	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Chloromethane	U	F	0.276	2.50	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,2-Dibromoethane	U	F	0.381	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,1-Dichloroethene	U	F	0.398	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
trans-1,2-Dichloroethene	U	F	0.396	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>



Collected date/time: 10/20/15 12:20

L798576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.384	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 14:42	<a href="#">WG824438</a>
2-Hexanone	U		3.82	10.0	1	10/27/2015 14:42	<a href="#">WG824438</a>
Methylene Chloride	U	E	1.00	5.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 14:42	<a href="#">WG824438</a>
Methyl tert-butyl ether	U		0.367	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Naphthalene	U		1.00	5.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Styrene	U		0.307	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,1,1,2-Tetrachloroethane	U	*F	0.385	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Tetrachloroethene	U	E	0.372	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Toluene	U	E	0.780	5.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Trichloroethene	U		0.398	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Vinyl chloride	U	E	0.259	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
o-Xylene	U		0.341	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
m&p-Xylene	U		0.719	1.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
Xylenes, Total	U		1.06	3.00	1	10/27/2015 14:42	<a href="#">WG824438</a>
(S) Toluene-d8	109			90.0-115		10/27/2015 14:42	<a href="#">WG824438</a>
(S) Dibromofluoromethane	103			79.0-121		10/27/2015 14:42	<a href="#">WG824438</a>
(S) 4-Bromofluorobenzene	103			80.1-120		10/27/2015 14:42	<a href="#">WG824438</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	5300		24.7	100	1	10/27/2015 03:04	<a href="#">WG824380</a>
(S) o-Terphenyl	86.9			50.0-150		10/27/2015 03:04	<a href="#">WG824380</a>



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1890000		2820	10000	1	10/27/2015 14:29	<a href="#">WG824453</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	11/02/2015 11:05	<a href="#">WG825537</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	182000		2600	50000	50	10/27/2015 16:40	<a href="#">WG824303</a>
Fluoride	1690		9.90	100	1	10/27/2015 17:53	<a href="#">WG824303</a>
Sulfate	633000		3870	250000	50	10/27/2015 16:40	<a href="#">WG824303</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	70.0		0.250	2.00	1	10/29/2015 11:19	<a href="#">WG824869</a>
Barium	30.6		0.360	5.00	1	10/29/2015 11:19	<a href="#">WG824869</a>
Calcium	276000		46.0	1000	1	10/29/2015 11:19	<a href="#">WG824869</a>
Chromium	1.05	J	0.540	2.00	1	10/29/2015 11:19	<a href="#">WG824869</a>
Iron	2090		15.0	100	1	10/29/2015 11:19	<a href="#">WG824869</a>
Lead	0.414	J	0.240	2.00	1	10/29/2015 11:19	<a href="#">WG824869</a>
Manganese	723		0.250	5.00	1	10/29/2015 11:19	<a href="#">WG824869</a>
Potassium	2070		37.0	1000	1	10/29/2015 11:19	<a href="#">WG824869</a>
Selenium	U		0.380	2.00	1	10/29/2015 11:19	<a href="#">WG824869</a>
Sodium	71400		110	1000	1	10/29/2015 11:19	<a href="#">WG824869</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 16:07	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
sec-Butylbenzene	0.419	J	0.365	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/20/15 11:30

L798576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.384	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Isopropylbenzene	0.446	J	0.326	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 16:07	<a href="#">WG824438</a>
2-Hexanone	U		3.82	10.0	1	10/27/2015 16:07	<a href="#">WG824438</a>
Methylene Chloride	U		1.00	5.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 16:07	<a href="#">WG824438</a>
Methyl tert-butyl ether	U		0.367	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Naphthalene	U		1.00	5.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Styrene	U		0.307	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Toluene	U		0.780	5.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Trichloroethene	U		0.398	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Vinyl chloride	U		0.259	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
o-Xylene	U		0.341	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
m&p-Xylene	U		0.719	1.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
Xylenes, Total	U		1.06	3.00	1	10/27/2015 16:07	<a href="#">WG824438</a>
(S) Toluene-d8	108			90.0-115		10/27/2015 16:07	<a href="#">WG824438</a>
(S) Dibromofluoromethane	104			79.0-121		10/27/2015 16:07	<a href="#">WG824438</a>
(S) 4-Bromofluorobenzene	97.7			80.1-120		10/27/2015 16:07	<a href="#">WG824438</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6170		24.7	100	1	10/27/2015 03:25	<a href="#">WG824380</a>
(S) o-Terphenyl	71.9			50.0-150		10/27/2015 03:25	<a href="#">WG824380</a>



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2280000		2820	10000	1	10/27/2015 14:56	<a href="#">WG824453</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	11/02/2015 11:06	<a href="#">WG825537</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	329000		2600	50000	50	10/27/2015 17:09	<a href="#">WG824303</a>
Fluoride	1570		9.90	100	1	10/27/2015 18:21	<a href="#">WG824303</a>
Sulfate	1430000		3870	250000	50	10/27/2015 17:09	<a href="#">WG824303</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	6.53		0.250	2.00	1	10/29/2015 11:21	<a href="#">WG824869</a>
Barium	129		0.360	5.00	1	10/29/2015 11:21	<a href="#">WG824869</a>
Calcium	540000		46.0	1000	1	10/29/2015 11:21	<a href="#">WG824869</a>
Chromium	28.0		0.540	2.00	1	10/29/2015 11:21	<a href="#">WG824869</a>
Iron	4570		15.0	100	1	10/29/2015 11:21	<a href="#">WG824869</a>
Lead	28.9		0.240	2.00	1	10/29/2015 11:21	<a href="#">WG824869</a>
Manganese	1340		0.250	5.00	1	10/29/2015 11:21	<a href="#">WG824869</a>
Potassium	4980		37.0	1000	1	10/29/2015 11:21	<a href="#">WG824869</a>
Selenium	0.884	J	0.380	2.00	1	10/29/2015 11:21	<a href="#">WG824869</a>
Sodium	97000		110	1000	1	10/29/2015 11:21	<a href="#">WG824869</a>

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 16:29	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
sec-Butylbenzene	U		0.365	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>



Collected date/time: 10/20/15 10:30

L798576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.384	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 16:29	<a href="#">WG824438</a>
2-Hexanone	U		3.82	10.0	1	10/27/2015 16:29	<a href="#">WG824438</a>
Methylene Chloride	U		1.00	5.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 16:29	<a href="#">WG824438</a>
Methyl tert-butyl ether	0.476	J	0.367	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Naphthalene	U		1.00	5.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Styrene	U		0.307	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Toluene	U		0.780	5.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Trichloroethene	U		0.398	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Vinyl chloride	U		0.259	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
o-Xylene	U		0.341	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
m&p-Xylene	U		0.719	1.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
Xylenes, Total	U		1.06	3.00	1	10/27/2015 16:29	<a href="#">WG824438</a>
(S) Toluene-d8	110			90.0-115		10/27/2015 16:29	<a href="#">WG824438</a>
(S) Dibromofluoromethane	101			79.0-121		10/27/2015 16:29	<a href="#">WG824438</a>
(S) 4-Bromofluorobenzene	105			80.1-120		10/27/2015 16:29	<a href="#">WG824438</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	7500		124	500	5	10/27/2015 03:45	<a href="#">WG824380</a>
(S) o-Terphenyl	89.0			50.0-150		10/27/2015 03:45	<a href="#">WG824380</a>



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2530000		2820	10000	1	10/27/2015 14:29	<a href="#">WG824453</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	11/02/2015 11:07	<a href="#">WG825537</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	77500		51.9	1000	1	10/27/2015 18:36	<a href="#">WG824303</a>
Fluoride	2300		9.90	100	1	10/27/2015 18:36	<a href="#">WG824303</a>
Sulfate	1090000		3870	250000	50	10/27/2015 19:48	<a href="#">WG824303</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.99		0.250	2.00	1	10/29/2015 11:30	<a href="#">WG824869</a>
Barium	48.2		0.360	5.00	1	10/29/2015 11:30	<a href="#">WG824869</a>
Calcium	298000		46.0	1000	1	10/29/2015 11:30	<a href="#">WG824869</a>
Chromium	2.26		0.540	2.00	1	10/29/2015 11:30	<a href="#">WG824869</a>
Iron	28.8	J	15.0	100	1	10/29/2015 11:30	<a href="#">WG824869</a>
Lead	1.57	J	0.240	2.00	1	10/29/2015 11:30	<a href="#">WG824869</a>
Manganese	23.9		0.250	5.00	1	10/29/2015 11:30	<a href="#">WG824869</a>
Potassium	1310		37.0	1000	1	10/29/2015 11:30	<a href="#">WG824869</a>
Selenium	2.34		0.380	2.00	1	10/29/2015 11:30	<a href="#">WG824869</a>
Sodium	88900		110	1000	1	10/29/2015 11:30	<a href="#">WG824869</a>

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		100	500	10	10/29/2015 13:51	<a href="#">WG825316</a>
Benzene	394		3.31	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Bromodichloromethane	U		3.80	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Bromoform	U		4.69	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Bromomethane	U		8.66	50.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
n-Butylbenzene	U		3.61	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
sec-Butylbenzene	6.55	J	3.65	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Carbon disulfide	2.91	J	2.75	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Carbon tetrachloride	U		3.79	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Chlorobenzene	U		3.48	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Chlorodibromomethane	U		3.27	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Chloroethane	U		4.53	50.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Chloroform	U		3.24	50.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
Chloromethane	U		2.76	25.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
1,2-Dibromoethane	U		3.81	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
1,1-Dichloroethane	U		2.59	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
1,2-Dichloroethane	U		3.61	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
1,1-Dichloroethene	U		3.98	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
cis-1,2-Dichloroethene	U		2.60	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
trans-1,2-Dichloroethene	U		3.96	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
1,2-Dichloropropane	U		3.06	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
cis-1,3-Dichloropropene	U		4.18	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>
trans-1,3-Dichloropropene	U		4.19	10.0	10	10/29/2015 13:51	<a href="#">WG825316</a>



Collected date/time: 10/20/15 09:15

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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	8.12	J	3.84	10.0	10	10/29/2015 13:51	WG825316
Isopropylbenzene	34.5		3.26	10.0	10	10/29/2015 13:51	WG825316
p-Isopropyltoluene	U		3.50	10.0	10	10/29/2015 13:51	WG825316
2-Butanone (MEK)	U		39.3	100	10	10/29/2015 13:51	WG825316
2-Hexanone	U		38.2	100	10	10/29/2015 13:51	WG825316
Methylene Chloride	U		10.0	50.0	10	10/29/2015 13:51	WG825316
4-Methyl-2-pentanone (MIBK)	U		21.4	100	10	10/29/2015 13:51	WG825316
Methyl tert-butyl ether	U		3.67	10.0	10	10/29/2015 13:51	WG825316
Naphthalene	16.6	J	10.0	50.0	10	10/29/2015 13:51	WG825316
n-Propylbenzene	34.6		3.49	10.0	10	10/29/2015 13:51	WG825316
Styrene	U		3.07	10.0	10	10/29/2015 13:51	WG825316
1,1,1,2-Tetrachloroethane	U		3.85	10.0	10	10/29/2015 13:51	WG825316
1,1,2,2-Tetrachloroethane	U		1.30	10.0	10	10/29/2015 13:51	WG825316
Tetrachloroethene	U		3.72	10.0	10	10/29/2015 13:51	WG825316
Toluene	9.78	J	7.80	50.0	10	10/29/2015 13:51	WG825316
1,1,1-Trichloroethane	U		3.19	10.0	10	10/29/2015 13:51	WG825316
1,1,2-Trichloroethane	U		3.83	10.0	10	10/29/2015 13:51	WG825316
Trichloroethene	U		3.98	10.0	10	10/29/2015 13:51	WG825316
1,2,4-Trimethylbenzene	61.6		3.73	10.0	10	10/29/2015 13:51	WG825316
1,3,5-Trimethylbenzene	8.05	J	3.87	10.0	10	10/29/2015 13:51	WG825316
Vinyl chloride	U		2.59	10.0	10	10/29/2015 13:51	WG825316
o-Xylene	4.44	J	3.41	10.0	10	10/29/2015 13:51	WG825316
m&p-Xylene	81.0		7.19	10.0	10	10/29/2015 13:51	WG825316
Xylenes, Total	85.5		10.6	30.0	10	10/29/2015 13:51	WG825316
(S) Toluene-d8	104			90.0-115		10/29/2015 13:51	WG825316
(S) Dibromofluoromethane	98.8			79.0-121		10/29/2015 13:51	WG825316
(S) 4-Bromofluorobenzene	97.4			80.1-120		10/29/2015 13:51	WG825316

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7890		124	500	5	10/27/2015 04:05	WG824380
(S) o-Terphenyl	83.3			50.0-150		10/27/2015 04:05	WG824380



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	3220000		2820	10000	1	10/27/2015 14:55	<a href="#">WG824453</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	11/02/2015 11:08	<a href="#">WG825537</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	129000		2600	50000	50	10/27/2015 20:02	<a href="#">WG824303</a>
Fluoride	1200		9.90	100	1	10/27/2015 18:50	<a href="#">WG824303</a>
Sulfate	2100000		3870	250000	50	10/27/2015 20:02	<a href="#">WG824303</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	6.55		0.250	2.00	1	10/29/2015 11:32	<a href="#">WG824869</a>
Barium	33.4		0.360	5.00	1	10/29/2015 11:32	<a href="#">WG824869</a>
Calcium	392000		46.0	1000	1	10/29/2015 11:32	<a href="#">WG824869</a>
Chromium	1.75	J	0.540	2.00	1	10/29/2015 11:32	<a href="#">WG824869</a>
Iron	1490		15.0	100	1	10/29/2015 11:32	<a href="#">WG824869</a>
Lead	1.40	J	0.240	2.00	1	10/29/2015 11:32	<a href="#">WG824869</a>
Manganese	2280		0.250	5.00	1	10/29/2015 11:32	<a href="#">WG824869</a>
Potassium	418	J	37.0	1000	1	10/29/2015 11:32	<a href="#">WG824869</a>
Selenium	U		0.380	2.00	1	10/29/2015 11:32	<a href="#">WG824869</a>
Sodium	125000		110	1000	1	10/29/2015 11:32	<a href="#">WG824869</a>

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 17:11	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
sec-Butylbenzene	1.64		0.365	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.384	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Isopropylbenzene	6.89		0.326	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 17:11	<a href="#">WG824438</a>
2-Hexanone	U		3.82	10.0	1	10/27/2015 17:11	<a href="#">WG824438</a>
Methylene Chloride	U		1.00	5.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 17:11	<a href="#">WG824438</a>
Methyl tert-butyl ether	U		0.367	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Naphthalene	U		1.00	5.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Styrene	U		0.307	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Toluene	U		0.780	5.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Trichloroethene	U		0.398	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Vinyl chloride	U		0.259	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
o-Xylene	U		0.341	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
m&p-Xylene	U		0.719	1.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
Xylenes, Total	U		1.06	3.00	1	10/27/2015 17:11	<a href="#">WG824438</a>
(S) Toluene-d8	111			90.0-115		10/27/2015 17:11	<a href="#">WG824438</a>
(S) Dibromofluoromethane	102			79.0-121		10/27/2015 17:11	<a href="#">WG824438</a>
(S) 4-Bromofluorobenzene	104			80.1-120		10/27/2015 17:11	<a href="#">WG824438</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	2100		24.7	100	1	10/26/2015 21:01	<a href="#">WG824380</a>
(S) o-Terphenyl	78.3			50.0-150		10/26/2015 21:01	<a href="#">WG824380</a>



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	4000	J	2820	10000	1	10/28/2015 12:15	<a href="#">WG824953</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		197	1000	10	11/02/2015 11:10	<a href="#">WG825537</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		51.9	1000	1	10/27/2015 19:05	<a href="#">WG824303</a>
Fluoride	U		9.90	100	1	10/27/2015 19:05	<a href="#">WG824303</a>
Sulfate	1300	J	77.4	5000	1	10/27/2015 19:05	<a href="#">WG824303</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	0.692	J	0.250	2.00	1	10/29/2015 11:51	<a href="#">WG824869</a>
Barium	0.676	J	0.360	5.00	1	10/29/2015 11:51	<a href="#">WG824869</a>
Calcium	95.8	J	46.0	1000	1	10/29/2015 11:51	<a href="#">WG824869</a>
Chromium	U		0.540	2.00	1	10/29/2015 11:51	<a href="#">WG824869</a>
Iron	U		15.0	100	1	10/29/2015 11:51	<a href="#">WG824869</a>
Lead	U		0.240	2.00	1	10/29/2015 11:51	<a href="#">WG824869</a>
Manganese	0.718	J	0.250	5.00	1	10/29/2015 11:51	<a href="#">WG824869</a>
Potassium	U		37.0	1000	1	10/29/2015 11:51	<a href="#">WG824869</a>
Selenium	U		0.380	2.00	1	10/29/2015 11:51	<a href="#">WG824869</a>
Sodium	631	J	110	1000	1	10/29/2015 13:46	<a href="#">WG824869</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 17:32	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
sec-Butylbenzene	U		0.365	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Chloroform	1.52	J	0.324	5.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/20/15 10:50

L798576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.384	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 17:32	<a href="#">WG824438</a>
2-Hexanone	U		3.82	10.0	1	10/27/2015 17:32	<a href="#">WG824438</a>
Methylene Chloride	U		1.00	5.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 17:32	<a href="#">WG824438</a>
Methyl tert-butyl ether	U		0.367	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Naphthalene	U		1.00	5.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Styrene	U		0.307	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Toluene	U		0.780	5.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Trichloroethene	U		0.398	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Vinyl chloride	U		0.259	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
o-Xylene	U		0.341	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
m&p-Xylene	U		0.719	1.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
Xylenes, Total	U		1.06	3.00	1	10/27/2015 17:32	<a href="#">WG824438</a>
(S) Toluene-d8	105			90.0-115		10/27/2015 17:32	<a href="#">WG824438</a>
(S) Dibromofluoromethane	102			79.0-121		10/27/2015 17:32	<a href="#">WG824438</a>
(S) 4-Bromofluorobenzene	98.1			80.1-120		10/27/2015 17:32	<a href="#">WG824438</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	U		24.7	100	1	10/26/2015 21:21	<a href="#">WG824380</a>
(S) o-Terphenyl	71.8			50.0-150		10/26/2015 21:21	<a href="#">WG824380</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 13:59	WG824438
Benzene	U		0.331	1.00	1	10/27/2015 13:59	WG824438
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 13:59	WG824438
Bromoform	U		0.469	1.00	1	10/27/2015 13:59	WG824438
Bromomethane	U		0.866	5.00	1	10/27/2015 13:59	WG824438
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 13:59	WG824438
sec-Butylbenzene	U		0.365	1.00	1	10/27/2015 13:59	WG824438
Carbon disulfide	U		0.275	1.00	1	10/27/2015 13:59	WG824438
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 13:59	WG824438
Chlorobenzene	U		0.348	1.00	1	10/27/2015 13:59	WG824438
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 13:59	WG824438
Chloroethane	U		0.453	5.00	1	10/27/2015 13:59	WG824438
Chloroform	U		0.324	5.00	1	10/27/2015 13:59	WG824438
Chloromethane	U		0.276	2.50	1	10/27/2015 13:59	WG824438
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 13:59	WG824438
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 13:59	WG824438
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 13:59	WG824438
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 13:59	WG824438
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 13:59	WG824438
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 13:59	WG824438
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 13:59	WG824438
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 13:59	WG824438
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 13:59	WG824438
Ethylbenzene	U		0.384	1.00	1	10/27/2015 13:59	WG824438
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 13:59	WG824438
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 13:59	WG824438
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 13:59	WG824438
2-Hexanone	U		3.82	10.0	1	10/27/2015 13:59	WG824438
Methylene Chloride	U		1.00	5.00	1	10/27/2015 13:59	WG824438
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 13:59	WG824438
Methyl tert-butyl ether	U		0.367	1.00	1	10/27/2015 13:59	WG824438
Naphthalene	U		1.00	5.00	1	10/27/2015 13:59	WG824438
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 13:59	WG824438
Styrene	U		0.307	1.00	1	10/27/2015 13:59	WG824438
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 13:59	WG824438
1,1,2,2-Tetrachloroethane	U	-	0.130	1.00	1	10/27/2015 13:59	WG824438
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 13:59	WG824438
Toluene	U		0.780	5.00	1	10/27/2015 13:59	WG824438
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 13:59	WG824438
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 13:59	WG824438
Trichloroethene	U		0.398	1.00	1	10/27/2015 13:59	WG824438
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 13:59	WG824438
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 13:59	WG824438
Vinyl chloride	U		0.259	1.00	1	10/27/2015 13:59	WG824438
o-Xylene	U		0.341	1.00	1	10/27/2015 13:59	WG824438
m&p-Xylene	U		0.719	1.00	1	10/27/2015 13:59	WG824438
Xylenes, Total	U		1.06	3.00	1	10/27/2015 13:59	WG824438
(S) Toluene-d8	106			90.0-115		10/27/2015 13:59	WG824438
(S) Dibromofluoromethane	105			79.0-121		10/27/2015 13:59	WG824438
(S) 4-Bromofluorobenzene	101			80.1-120		10/27/2015 13:59	WG824438

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	4000000		2820	10000	1	10/24/2015 14:59	<a href="#">WG823732</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	5570		19.7	100	1	10/28/2015 13:32	<a href="#">WG824554</a>

3 Ss

4 Cn

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	10/28/2015 07:03	<a href="#">WG824888</a>

5 Sr

6 Qc

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	216000		2600	50000	50	10/24/2015 04:49	<a href="#">WG823862</a>
Fluoride	1850		9.90	100	1	10/24/2015 03:36	<a href="#">WG823862</a>
Sulfate	2300000		3870	250000	50	10/24/2015 04:49	<a href="#">WG823862</a>

7 Gl

8 Al

9 Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	10/22/2015 17:42	<a href="#">WG823720</a>

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.82		0.250	2.00	1	10/28/2015 11:16	<a href="#">WG824777</a>
Barium	12.8		0.360	5.00	1	10/28/2015 11:16	<a href="#">WG824777</a>
Calcium	411000		46.0	1000	1	10/28/2015 11:16	<a href="#">WG824777</a>
Chromium	1.04	J	0.540	2.00	1	10/28/2015 11:16	<a href="#">WG824777</a>
Iron	U		15.0	100	1	10/28/2015 11:16	<a href="#">WG824777</a>
Lead	U		0.240	2.00	1	10/28/2015 11:16	<a href="#">WG824777</a>
Manganese	46.8		0.250	5.00	1	10/28/2015 11:16	<a href="#">WG824777</a>
Nickel	1.68	J	0.350	2.00	1	10/28/2015 11:16	<a href="#">WG824777</a>
Potassium	756	J	37.0	1000	1	10/28/2015 11:16	<a href="#">WG824777</a>
Selenium	9.34		0.380	2.00	1	10/28/2015 11:16	<a href="#">WG824777</a>
Sodium	166000		110	1000	1	10/28/2015 11:16	<a href="#">WG824777</a>
Vanadium	18.9		0.180	5.00	1	10/28/2015 11:16	<a href="#">WG824777</a>

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.4	100	1	10/27/2015 14:35	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 96.9				62.0-128		10/27/2015 14:35	<a href="#">WG823733</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 02:14	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 02:14	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 02:14	<a href="#">WG824206</a>



Collected date/time: 10/19/15 16:20

L798576

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Bromoform	U		0.469	1.00	1	10/26/2015 02:14	WG824206
Bromomethane	U		0.866	5.00	1	10/26/2015 02:14	WG824206
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 02:14	WG824206
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 02:14	WG824206
Carbon disulfide	U		0.275	1.00	1	10/26/2015 02:14	WG824206
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 02:14	WG824206
Chlorobenzene	U		0.348	1.00	1	10/26/2015 02:14	WG824206
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 02:14	WG824206
Chloroethane	U		0.453	5.00	1	10/26/2015 02:14	WG824206
Chloroform	U		0.324	5.00	1	10/26/2015 02:14	WG824206
Chloromethane	U		0.276	2.50	1	10/26/2015 02:14	WG824206
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 02:14	WG824206
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 02:14	WG824206
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 02:14	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 02:14	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 02:14	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 02:14	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 02:14	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 02:14	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 02:14	WG824206
Ethylbenzene	U		0.384	1.00	1	10/26/2015 02:14	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 02:14	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 02:14	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 02:14	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 02:14	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 02:14	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 02:14	WG824206
Methyl tert-butyl ether	4.33		0.367	1.00	1	10/26/2015 02:14	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 02:14	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 02:14	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 02:14	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 02:14	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 02:14	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 02:14	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 02:14	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 02:14	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 02:14	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 02:14	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 02:14	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 02:14	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 02:14	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 02:14	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 02:14	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 02:14	WG824206
(S) Toluene-d8	107			90.0-115		10/26/2015 02:14	WG824206
(S) Dibromofluoromethane	103			79.0-121		10/26/2015 02:14	WG824206
(S) 4-Bromofluorobenzene	95.8			80.1-120		10/26/2015 02:14	WG824206

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	300		24.7	100	1	10/25/2015 01:37	WG823914
(S) o-Terphenyl	80.3			50.0-150		10/25/2015 01:37	WG823914



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2140000		2820	10000	1	10/24/2015 15:00	<a href="#">WG823732</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	4320	F	19.7	100	1	10/28/2015 13:33	<a href="#">WG824554</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	210000		519	10000	10	10/24/2015 05:03	<a href="#">WG823862</a>
Fluoride	1100		9.90	100	1	10/24/2015 03:51	<a href="#">WG823862</a>
Sulfate	796000		774	50000	10	10/24/2015 05:03	<a href="#">WG823862</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	3.12		0.250	2.00	1	10/28/2015 11:18	<a href="#">WG824777</a>
Barium	19.2		0.360	5.00	1	10/28/2015 11:18	<a href="#">WG824777</a>
Calcium	356000		46.0	1000	1	10/28/2015 11:18	<a href="#">WG824777</a>
Chromium	0.898	J	0.540	2.00	1	10/28/2015 11:18	<a href="#">WG824777</a>
Iron	U		15.0	100	1	10/28/2015 11:18	<a href="#">WG824777</a>
Lead	1.10	J	0.240	2.00	1	10/28/2015 11:18	<a href="#">WG824777</a>
Manganese	488		0.250	5.00	1	10/28/2015 11:18	<a href="#">WG824777</a>
Potassium	330	J	37.0	1000	1	10/28/2015 11:18	<a href="#">WG824777</a>
Selenium	1.26	J	0.380	2.00	1	10/28/2015 11:18	<a href="#">WG824777</a>
Sodium	70200		110	1000	1	10/28/2015 11:18	<a href="#">WG824777</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 02:35	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
sec-Butylbenzene	0.742	J	0.365	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Chloroform	U		0.324	5.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.384	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 02:35	<a href="#">WG824206</a>
2-Hexanone	U		3.82	10.0	1	10/26/2015 02:35	<a href="#">WG824206</a>
Methylene Chloride	U		1.00	5.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 02:35	<a href="#">WG824206</a>
Methyl tert-butyl ether	U		0.367	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Naphthalene	U		1.00	5.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Styrene	U		0.307	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Toluene	U		0.780	5.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Trichloroethene	U		0.398	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Vinyl chloride	U		0.259	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
o-Xylene	U		0.341	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
m&p-Xylene	U		0.719	1.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
Xylenes, Total	U		1.06	3.00	1	10/26/2015 02:35	<a href="#">WG824206</a>
(S) Toluene-d8	106			90.0-115		10/26/2015 02:35	<a href="#">WG824206</a>
(S) Dibromofluoromethane	102			79.0-121		10/26/2015 02:35	<a href="#">WG824206</a>
(S) 4-Bromofluorobenzene	97.7			80.1-120		10/26/2015 02:35	<a href="#">WG824206</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3290		24.7	100	1	10/25/2015 01:57	<a href="#">WG823914</a>
(S) o-Terphenyl	77.7			50.0-150		10/25/2015 01:57	<a href="#">WG823914</a>



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2830000		2820	10000	1	10/24/2015 14:53	<a href="#">WG823732</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	5790		19.7	100	1	10/28/2015 13:39	<a href="#">WG824554</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	112000		1040	20000	20	10/24/2015 05:17	<a href="#">WG823862</a>
Fluoride	593		9.90	100	1	10/24/2015 04:05	<a href="#">WG823862</a>
Sulfate	1770000		1550	100000	20	10/24/2015 05:17	<a href="#">WG823862</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.18		0.250	2.00	1	10/28/2015 11:20	<a href="#">WG824777</a>
Barium	11.8		0.360	5.00	1	10/28/2015 11:20	<a href="#">WG824777</a>
Calcium	406000		46.0	1000	1	10/28/2015 11:20	<a href="#">WG824777</a>
Chromium	U		0.540	2.00	1	10/28/2015 11:20	<a href="#">WG824777</a>
Iron	U		15.0	100	1	10/28/2015 11:20	<a href="#">WG824777</a>
Lead	U		0.240	2.00	1	10/28/2015 11:20	<a href="#">WG824777</a>
Manganese	0.528	J	0.250	5.00	1	10/28/2015 11:20	<a href="#">WG824777</a>
Potassium	607	J	37.0	1000	1	10/28/2015 11:20	<a href="#">WG824777</a>
Selenium	3.63		0.380	2.00	1	10/28/2015 11:20	<a href="#">WG824777</a>
Sodium	115000		110	1000	1	10/28/2015 11:20	<a href="#">WG824777</a>

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 02:56	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Chloroform	U		0.324	5.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 02:56	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 02:56	<a href="#">WG824206</a>



Collected date/time: 10/19/15 08:25

L798576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.384	1.00	1	10/26/2015 02:56	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 02:56	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 02:56	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 02:56	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 02:56	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 02:56	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 02:56	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/26/2015 02:56	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 02:56	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 02:56	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 02:56	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 02:56	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 02:56	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 02:56	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 02:56	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 02:56	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 02:56	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 02:56	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 02:56	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 02:56	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 02:56	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 02:56	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 02:56	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 02:56	WG824206
(S) Toluene-d8	106			90.0-115		10/26/2015 02:56	WG824206
(S) Dibromofluoromethane	103			79.0-121		10/26/2015 02:56	WG824206
(S) 4-Bromofluorobenzene	96.9			80.1-120		10/26/2015 02:56	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	77.0	J	24.7	100	1	10/25/2015 02:18	WG823914
(S) o-Terphenyl	76.5			50.0-150		10/25/2015 02:18	WG823914



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2860000		2820	10000	1	10/24/2015 14:59	<a href="#">WG823732</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	5790		19.7	100	1	10/28/2015 13:42	<a href="#">WG824554</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	113000		2600	50000	50	10/24/2015 05:32	<a href="#">WG823862</a>
Fluoride	598		9.90	100	1	10/24/2015 04:20	<a href="#">WG823862</a>
Sulfate	1800000		3870	250000	50	10/24/2015 05:32	<a href="#">WG823862</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	2.08		0.250	2.00	1	10/28/2015 11:23	<a href="#">WG824777</a>
Barium	11.6		0.360	5.00	1	10/28/2015 11:23	<a href="#">WG824777</a>
Calcium	407000		46.0	1000	1	10/28/2015 11:23	<a href="#">WG824777</a>
Chromium	U		0.540	2.00	1	10/28/2015 11:23	<a href="#">WG824777</a>
Iron	U		15.0	100	1	10/28/2015 11:23	<a href="#">WG824777</a>
Lead	U		0.240	2.00	1	10/28/2015 11:23	<a href="#">WG824777</a>
Manganese	0.279	J	0.250	5.00	1	10/28/2015 11:23	<a href="#">WG824777</a>
Potassium	613	J	37.0	1000	1	10/28/2015 11:23	<a href="#">WG824777</a>
Selenium	3.65		0.380	2.00	1	10/28/2015 11:23	<a href="#">WG824777</a>
Sodium	114000		110	1000	1	10/28/2015 11:23	<a href="#">WG824777</a>

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 03:17	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Chloroform	U		0.324	5.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 03:17	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 03:17	<a href="#">WG824206</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.384	1.00	1	10/26/2015 03:17	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 03:17	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 03:17	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 03:17	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 03:17	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 03:17	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 03:17	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/26/2015 03:17	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 03:17	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 03:17	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 03:17	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 03:17	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 03:17	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 03:17	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 03:17	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 03:17	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 03:17	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 03:17	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 03:17	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 03:17	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 03:17	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 03:17	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 03:17	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 03:17	WG824206
(S) Toluene-d8	106			90.0-115		10/26/2015 03:17	WG824206
(S) Dibromofluoromethane	103			79.0-121		10/26/2015 03:17	WG824206
(S) 4-Bromofluorobenzene	97.9			80.1-120		10/26/2015 03:17	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	96.0	J	24.7	100	1	10/25/2015 02:38	WG823914
(S) o-Terphenyl	80.5			50.0-150		10/25/2015 02:38	WG823914



Method Blank (MB)

(MB) 10/24/15 14:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

L798587-12 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 14:55 • (DUP) 10/24/15 14:57

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	ND	1.00	1	0.000	5	

<sup>4</sup> Cn

<sup>5</sup> Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 14:58 • (LCSD) 10/24/15 14:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Dissolved Solids	8800	8630	8720	98.1	99.1	85.0-115			1.04	5

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/27/15 15:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

L796346-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 15:21 • (DUP) 10/27/15 15:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2680	2670	1	0.561		5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 15:22 • (LCSD) 10/27/15 15:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8540	8640	97.0	98.2	85.0-115			1.16	5

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/27/15 14:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

L798576-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 14:29 • (DUP) 10/27/15 14:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2140	2080	1	3.08		5

<sup>4</sup> Cn

<sup>5</sup> Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 14:28 • (LCSD) 10/27/15 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8640	8660	98.2	98.4	85.0-115			0.231	5

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 12:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 12:15 • (LCSD) 10/28/15 12:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8560	8550	97.3	97.2	85.0-115			0.117	5

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 13:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L795822-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:27 • (DUP) 10/28/15 13:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

L795822-14 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:39 • (DUP) 10/28/15 13:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	5.79	5.78	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 13:19 • (LCSD) 10/28/15 13:21

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	4.97	5.05	99.0	101	90.0-110			2.00	20

L795822-13 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/28/15 13:33 • (MS) 10/28/15 13:34

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	5.00	4.32	7.86	71.0	1	90.0-110	F



L795836-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 13:50 • (MS) 10/28/15 13:51 • (MSD) 10/28/15 13:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	0.0220	3.51	3.61	70.0	72.0	1	90.0-110	<u>E</u>	<u>E</u>	3.00	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/29/15 16:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0200		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L796127-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 17:07 • (DUP) 10/29/15 17:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	9.00		20

L796127-16 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 17:24 • (DUP) 10/29/15 17:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	51.0	*	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 17:00 • (LCSD) 10/29/15 17:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	5.16	5.33	103	107	90.0-110			3.00	20

L796127-10 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/29/15 17:13 • (MS) 10/29/15 17:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	0.500	0.0900	50.8	101	10	90.0-110	



L796252-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 17:30 • (MS) 10/29/15 17:31 • (MSD) 10/29/15 17:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Nitrate-Nitrite	0.500	19.3	65.6	65.7	93.0	93.0	10	90.0-110			0.000	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 11/02/15 10:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0200		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L796143-05 Original Sample (OS) • Duplicate (DUP)

(OS) 11/02/15 11:08 • (DUP) 11/02/15 11:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	0.000		20

L796154-09 Original Sample (OS) • Duplicate (DUP)

(OS) 11/02/15 11:25 • (DUP) 11/02/15 11:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/02/15 11:01 • (LCSD) 11/02/15 11:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	4.68	4.97	94.0	99.0	90.0-110			6.00	20

L796154-04 Original Sample (OS) • Matrix Spike (MS)

(OS) 11/02/15 11:15 • (MS) 11/02/15 11:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	0.500	4.82	57.4	105	10	90.0-110	



L796319-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/02/15 11:32 • (MS) 11/02/15 11:33 • (MSD) 11/02/15 11:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	0.878	4.25	4.27	68.0	68.0	1	90.0-110	<u>E</u>	<u>E</u>	0.000	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 06:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L795847-10 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 07:19 • (DUP) 10/28/15 07:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

L795822-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 07:00 • (DUP) 10/28/15 07:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 06:54 • (LCSD) 10/28/15 06:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.106	0.107	106	107	90.0-110			0.939	20



Method Blank (MB)

(MB) 10/27/15 09:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00
Chloride	U		0.0519	1.00
Fluoride	U		0.0099	0.100
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00
Sulfate	U		0.0774	5.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

L798576-03 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/27/15 16:40 • (MS) 10/27/15 16:55

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	182	2730	102	50	80-120	
Sulfate	50.0	633	3150	101	50	80-120	

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

L798576-03 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/27/15 17:53 • (MS) 10/27/15 18:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Fluoride	5.00	1.69	6.10	88	1	80-120	

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/23/15 22:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L795822-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 00:32 • (DUP) 10/24/15 00:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	0.122	0.0126	1	163	*	20
Fluoride	ND	0.000	1	0		20
Sulfate	1.97	-0.371	1	293	*	20

L795823-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 09:08 • (DUP) 10/24/15 09:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	99.7	99.2	1	1		20
Fluoride	0.0243	0.0229	1	6		20
Sulfate	4.23	4.24	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/23/15 22:51 • (LCSD) 10/23/15 23:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Chloride	40.0	40.6	40.5	101	101	90-110			0	20
Fluoride	8.00	8.11	8.08	101	101	90-110			0	20
Sulfate	40.0	40.7	40.6	102	101	90-110			0	20



L795822-07 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 01:01 • (MS) 10/24/15 01:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	ND	51.4	103	1	80-120	
Fluoride	5.00	ND	5.18	104	1	80-120	
Sulfate	50.0	ND	51.3	103	1	80-120	

L795823-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 09:37 • (MS) 10/24/15 09:51 • (MSD) 10/24/15 10:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	8.62	59.0	58.1	101	99	1	80-120			2	20
Fluoride	5.00	ND	5.03	5.01	101	100	1	80-120			0	20
Sulfate	50.0	ND	49.8	49.1	100	98	1	80-120			1	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/27/15 09:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.0519	1.00
Chloride	U		0.0519	1.00
Fluoride	U		0.0099	0.100
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00
Sulfate	U		0.0774	5.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

L796127-13 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 11:50 • (DUP) 10/27/15 12:06

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	13.4	13.4	1	0		20
Fluoride	0.330	0.332	1	0		20

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

L796143-15 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 22:26 • (DUP) 10/27/15 22:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	5.13	5.27	1	3		20

<sup>9</sup> Sc

L796143-15 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 23:10 • (DUP) 10/27/15 23:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	86.6	85.9	50	1		20
Sulfate	2690	2720	50	1		20

L798466-12 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 23:38 • (DUP) 10/27/15 23:53

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %



L798466-12 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 23:38 • (DUP) 10/27/15 23:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Sulfate	297	309	10	4		20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 09:14 • (LCSD) 10/27/15 09:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Chloride	40.0	40.3	40.3	101	101	90-110			0	20
Fluoride	8.00	8.04	8.05	100	101	90-110			0	20
Sulfate	40.0	40.6	40.9	102	102	90-110			1	20

L798576-03 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/27/15 16:40 • (MS) 10/27/15 16:55

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	182	2730	102	50	80-120	
Sulfate	50.0	633	3150	101	50	80-120	

L798576-03 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/27/15 17:53 • (MS) 10/27/15 18:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Fluoride	5.00	1.69	6.10	88	1	80-120	

L796143-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 19:05 • (MS) 10/27/15 19:19 • (MSD) 10/27/15 19:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	0.0427	53.3	53.1	106	106	1	80-120			0	20
Fluoride	5.00	ND	5.29	5.27	106	105	1	80-120			0	20
Sulfate	50.0	1.30	53.7	53.5	105	104	1	80-120			0	20



Method Blank (MB)

(MB) 10/22/15 17:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000049	0.000200

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/22/15 17:18 • (LCSD) 10/22/15 17:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00287	0.00299	96	100	80-120			4	20

<sup>4</sup> Cn

<sup>5</sup> Sr

L798587-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/22/15 17:24 • (MS) 10/22/15 17:26 • (MSD) 10/22/15 17:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00000366	0.00175	0.00190	58	63	1	75-125	<u>F</u>	<u>F</u>	8	20

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 10:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	0.000431		0.00024	0.00200
Manganese	U		0.00025	0.00500
Nickel	U		0.00035	0.00200
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00
Vanadium	0.000195		0.00018	0.00500

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 10:40 • (LCSD) 10/28/15 10:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0479	0.0482	96	96	80-120			1	20
Barium	0.0500	0.0506	0.0480	101	96	80-120			5	20
Calcium	5.00	5.44	4.74	109	95	80-120			14	20
Chromium	0.0500	0.0495	0.0493	99	99	80-120			0	20
Iron	5.00	4.84	4.81	97	96	80-120			1	20
Lead	0.0500	0.0495	0.0487	99	97	80-120			2	20
Manganese	0.0500	0.0516	0.0483	103	97	80-120			7	20
Nickel	0.0500	0.0508	0.0499	102	100	80-120			2	20
Potassium	5.00	4.80	4.76	96	95	80-120			1	20
Selenium	0.0500	0.0464	0.0477	93	95	80-120			3	20
Sodium	5.00	5.20	4.96	104	99	80-120			5	20
Vanadium	0.0500	0.0488	0.0481	98	96	80-120			1	20



L798587-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 10:45 • (MS) 10/28/15 10:50 • (MSD) 10/28/15 10:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000621	0.0480	0.0496	95	98	1	75-125			3	20
Barium	0.0500	0.00137	0.0498	0.0524	97	102	1	75-125			5	20
Calcium	5.00	0.447	4.77	4.98	86	91	1	75-125			4	20
Chromium	0.0500	0.000206	0.0487	0.0493	97	98	1	75-125			1	20
Potassium	5.00	ND	4.72	4.88	94	98	1	75-125			3	20
Iron	5.00	ND	4.74	4.85	95	97	1	75-125			2	20
Lead	0.0500	0.000108	0.0491	0.0510	98	102	1	75-125			4	20
Manganese	0.0500	0.000759	0.0481	0.0493	95	97	1	75-125			3	20
Nickel	0.0500	0.000101	0.0493	0.0506	98	101	1	75-125			2	20
Selenium	0.0500	ND	0.0476	0.0487	95	97	1	75-125			2	20
Sodium	5.00	0.489	5.35	5.50	97	100	1	75-125			3	20
Vanadium	0.0500	0.000313	0.0480	0.0487	95	97	1	75-125			1	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 16:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	U		0.00025	0.00500
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 16:37 • (LCSD) 10/28/15 16:39

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Arsenic	0.0500	0.0495	0.0495	99	99	80-120			0	20
Barium	0.0500	0.0506	0.0498	101	100	80-120			2	20
Calcium	5.00	5.05	5.03	101	101	80-120			0	20
Chromium	0.0500	0.0497	0.0492	99	98	80-120			1	20
Iron	5.00	4.86	4.82	97	96	80-120			1	20
Lead	0.0500	0.0499	0.0499	100	100	80-120			0	20
Manganese	0.0500	0.0499	0.0484	100	97	80-120			3	20
Potassium	5.00	4.99	5.10	100	102	80-120			2	20
Selenium	0.0500	0.0489	0.0488	98	98	80-120			0	20
Sodium	5.00	4.99	5.11	100	102	80-120			2	20

L798300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 16:42 • (MS) 10/28/15 16:46 • (MSD) 10/28/15 16:49

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Arsenic	0.0500	0.00368	0.0565	0.0552	106	103	1	75-125			2	20
Barium	0.0500	0.0134	0.0640	0.0636	101	101	1	75-125			1	20
Chromium	0.0500	0.000393	0.0469	0.0470	93	93	1	75-125			0	20



[L798576-01](#)

L798300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 16:42 • (MS) 10/28/15 16:46 • (MSD) 10/28/15 16:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	1.70	6.48	6.56	96	97	1	75-125			1	20
Iron	5.00	0.0193	4.58	4.58	91	91	1	75-125			0	20
Lead	0.0500	0.000120	0.0494	0.0497	98	99	1	75-125			1	20
Manganese	0.0500	0.110	0.155	0.153	90	87	1	75-125			1	20
Selenium	0.0500	0.00109	0.0529	0.0516	104	101	1	75-125			2	20
Sodium	5.00	157	160	161	57	88	1	75-125	4		1	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/29/15 11:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	U		0.00025	0.00500
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 11:03 • (LCSD) 10/29/15 11:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Arsenic	0.0500	0.0501	0.0483	100	97	80-120			4	20
Barium	0.0500	0.0518	0.0523	104	105	80-120			1	20
Calcium	5.00	5.29	5.15	106	103	80-120			3	20
Chromium	0.0500	0.0516	0.0502	103	100	80-120			3	20
Iron	5.00	5.08	4.99	102	100	80-120			2	20
Lead	0.0500	0.0505	0.0497	101	99	80-120			2	20
Manganese	0.0500	0.0503	0.0494	101	99	80-120			2	20
Potassium	5.00	5.18	5.06	104	101	80-120			2	20
Selenium	0.0500	0.0495	0.0488	99	98	80-120			1	20
Sodium	5.00	5.35	5.34	107	107	80-120			0	20

L798466-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 11:07 • (MS) 10/29/15 11:12 • (MSD) 10/29/15 11:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Arsenic	0.0500	0.00880	0.0573	0.0597	97	102	1	75-125			4	20
Barium	0.0500	0.0179	0.0691	0.0709	102	106	1	75-125			3	20
Calcium	5.00	416	421	416	96	0	1	75-125		<u>4</u>	1	20



L798466-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 11:07 • (MS) 10/29/15 11:12 • (MSD) 10/29/15 11:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	0.0500	0.000372	0.0466	0.0486	92	96	1	75-125			4	20
Potassium	5.00	0.569	5.37	5.46	96	98	1	75-125			2	20
Iron	5.00	0.291	4.89	5.00	92	94	1	75-125			2	20
Lead	0.0500	0.000328	0.0483	0.0491	96	98	1	75-125			2	20
Manganese	0.0500	0.342	0.382	0.382	79	81	1	75-125			0	20
Selenium	0.0500	0.000195	0.0445	0.0457	89	91	1	75-125			3	20
Sodium	5.00	191	199	199	154	163	1	75-125	<u>4</u>	<u>4</u>	0	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/27/15 06:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		0.0314	0.100
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	97.2			62.0-128

1 Cp

2 Tc

3 Ss

4 Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 05:49 • (LCSD) 10/27/15 06:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	5.38	5.68	97.7	103	67.0-132			5.50	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>				96.0	99.1	62.0-128				

5 Sr

6 Qc

L795810-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 09:06 • (MS) 10/27/15 07:59 • (MSD) 10/27/15 08:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	ND	5.31	5.31	96.5	96.5	1	50.0-143			0.0800	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>					95.7	97.4		62.0-128				

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/25/15 20:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/25/15 20:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	106			90.0-115
(S) Dibromofluoromethane	103			79.0-121
(S) 4-Bromofluorobenzene	96.9			80.1-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 19:10 • (LCSD) 10/25/15 19:31

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.140	0.144	112	115	28.7-175			2.54	20.9
Benzene	0.0250	0.0280	0.0279	112	112	73.0-122			0.340	20
Bromodichloromethane	0.0250	0.0250	0.0249	100	99.7	75.5-121			0.450	20
Bromoform	0.0250	0.0221	0.0226	88.4	90.5	71.5-131			2.34	20
Bromomethane	0.0250	0.0225	0.0226	89.9	90.3	22.4-187			0.410	20
n-Butylbenzene	0.0250	0.0244	0.0242	97.8	96.6	75.9-134			1.18	20
sec-Butylbenzene	0.0250	0.0236	0.0234	94.4	93.5	80.6-126			0.950	20
Carbon disulfide	0.0250	0.0230	0.0227	91.9	90.7	53.0-134			1.35	20
Carbon tetrachloride	0.0250	0.0240	0.0237	96.0	94.7	70.9-129			1.41	20
Chlorobenzene	0.0250	0.0243	0.0242	97.0	96.8	79.7-122			0.240	20
Chlorodibromomethane	0.0250	0.0232	0.0236	92.9	94.2	78.2-124			1.39	20
Chloroethane	0.0250	0.0230	0.0228	91.9	91.3	41.2-153			0.660	20
Chloroform	0.0250	0.0270	0.0273	108	109	73.2-125			1.20	20
Chloromethane	0.0250	0.0258	0.0256	103	102	55.8-134			0.780	20
1,2-Dibromoethane	0.0250	0.0245	0.0252	98.0	101	79.8-122			2.85	20
1,1-Dichloroethane	0.0250	0.0273	0.0272	109	109	71.7-127			0.450	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 19:10 • (LCSD) 10/25/15 19:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0256	0.0262	102	105	65.3-126			2.50	20
1,1-Dichloroethene	0.0250	0.0223	0.0222	89.1	88.6	59.9-137			0.510	20
cis-1,2-Dichloroethene	0.0250	0.0275	0.0275	110	110	77.3-122			0.0600	20
trans-1,2-Dichloroethene	0.0250	0.0266	0.0260	106	104	72.6-125			2.02	20
1,2-Dichloropropane	0.0250	0.0275	0.0274	110	109	77.4-125			0.420	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0268	107	107	77.7-124			0.580	20
trans-1,3-Dichloropropene	0.0250	0.0258	0.0261	103	104	73.5-127			1.10	20
Ethylbenzene	0.0250	0.0238	0.0238	95.2	95.0	80.9-121			0.240	20
2-Hexanone	0.125	0.119	0.126	95.2	101	59.4-151			5.56	20
Isopropylbenzene	0.0250	0.0238	0.0237	95.3	94.7	81.6-124			0.630	20
p-Isopropyltoluene	0.0250	0.0226	0.0224	90.5	89.5	77.6-129			1.10	20
2-Butanone (MEK)	0.125	0.139	0.146	111	117	46.4-155			4.53	20
Methylene Chloride	0.0250	0.0268	0.0268	107	107	69.5-120			0.0900	20
4-Methyl-2-pentanone (MIBK)	0.125	0.123	0.129	98.7	103	63.3-138			4.30	20
Methyl tert-butyl ether	0.0250	0.0265	0.0272	106	109	70.1-125			2.34	20
Naphthalene	0.0250	0.0250	0.0260	99.9	104	69.7-134			4.12	20
n-Propylbenzene	0.0250	0.0238	0.0236	95.1	94.6	81.9-122			0.510	20
Styrene	0.0250	0.0247	0.0247	98.8	98.7	79.9-124			0.100	20
1,1,1,2-Tetrachloroethane	0.0250	0.0221	0.0222	88.4	88.8	78.5-125			0.490	20
1,1,2,2-Tetrachloroethane	0.0250	0.0249	0.0256	99.4	103	79.3-123			3.12	20
Tetrachloroethene	0.0250	0.0225	0.0225	90.0	89.9	73.5-130			0.0800	20
Toluene	0.0250	0.0261	0.0259	104	104	77.9-116			0.710	20
1,1,1-Trichloroethane	0.0250	0.0254	0.0251	101	100	71.1-129			0.960	20
1,1,2-Trichloroethane	0.0250	0.0256	0.0259	102	104	81.6-120			1.41	20
Trichloroethene	0.0250	0.0247	0.0246	98.8	98.3	79.5-121			0.510	20
1,2,4-Trimethylbenzene	0.0250	0.0233	0.0233	93.1	93.1	79.0-122			0.0400	20
1,3,5-Trimethylbenzene	0.0250	0.0234	0.0229	93.4	91.7	81.0-123			1.86	20
Vinyl chloride	0.0250	0.0251	0.0254	100	102	61.5-134			1.18	20
Xylenes, Total	0.0750	0.0717	0.0710	95.6	94.6	79.2-122			0.990	20
o-Xylene	0.0250	0.0236	0.0236	94.4	94.3	79.1-123			0.0800	20
m&p-Xylenes	0.0500	0.0481	0.0474	96.2	94.8	78.5-122			1.44	20
(S) Toluene-d8				107	107	90.0-115				
(S) Dibromofluoromethane				105	103	79.0-121				
(S) 4-Bromofluorobenzene				95.9	94.8	80.1-120				

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



L798587-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 22:24 • (MS) 10/25/15 21:20 • (MSD) 10/25/15 21:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00309	0.139	0.143	109	112	1	25.0-156			2.73	21.5
Benzene	0.0250	ND	0.0277	0.0274	111	110	1	58.6-133			1.09	20
Bromodichloromethane	0.0250	ND	0.0237	0.0236	94.8	94.2	1	69.2-127			0.570	20
Bromoform	0.0250	ND	0.0217	0.0222	86.8	88.7	1	66.3-140			2.20	20
Bromomethane	0.0250	ND	0.0224	0.0221	89.6	88.6	1	16.6-183			1.15	20.5
n-Butylbenzene	0.0250	ND	0.0272	0.0267	109	107	1	64.8-145			2.07	20
sec-Butylbenzene	0.0250	ND	0.0265	0.0255	106	102	1	66.8-139			3.93	20
Carbon disulfide	0.0250	ND	0.0251	0.0242	101	96.9	1	34.9-138			3.77	20
Carbon tetrachloride	0.0250	ND	0.0264	0.0256	106	102	1	60.6-139			3.15	20
Chlorobenzene	0.0250	ND	0.0242	0.0237	96.8	94.7	1	70.1-130			2.16	20
Chlorodibromomethane	0.0250	ND	0.0225	0.0225	89.8	90.1	1	71.6-132			0.300	20
Chloroethane	0.0250	ND	0.0241	0.0238	96.3	95.3	1	33.3-155			1.12	20
Chloroform	0.0250	ND	0.0266	0.0263	106	105	1	66.1-133			1.01	20
Chloromethane	0.0250	ND	0.0260	0.0255	104	102	1	40.7-139			1.97	20
1,2-Dibromoethane	0.0250	ND	0.0238	0.0237	95.1	94.7	1	73.8-131			0.420	20
1,1-Dichloroethane	0.0250	ND	0.0273	0.0268	109	107	1	64.0-134			1.78	20
1,2-Dichloroethane	0.0250	ND	0.0238	0.0240	95.1	95.9	1	60.7-132			0.860	20
1,1-Dichloroethene	0.0250	ND	0.0251	0.0240	100	96.0	1	48.8-144			4.41	20
cis-1,2-Dichloroethene	0.0250	ND	0.0270	0.0266	108	106	1	60.6-136			1.50	20
trans-1,2-Dichloroethene	0.0250	ND	0.0269	0.0266	108	106	1	61.0-132			1.15	20
1,2-Dichloropropane	0.0250	ND	0.0263	0.0259	105	104	1	69.7-130			1.37	20
cis-1,3-Dichloropropene	0.0250	ND	0.0250	0.0250	100	100	1	71.1-129			0.0300	20
trans-1,3-Dichloropropene	0.0250	ND	0.0255	0.0253	102	101	1	66.3-136			0.910	20
Ethylbenzene	0.0250	ND	0.0248	0.0244	99.3	97.5	1	62.7-136			1.86	20
2-Hexanone	0.125	ND	0.119	0.120	95.3	95.9	1	59.4-154			0.590	20.1
Isopropylbenzene	0.0250	ND	0.0258	0.0250	103	100	1	67.4-136			3.17	20
p-Isopropyltoluene	0.0250	ND	0.0251	0.0239	100	95.8	1	62.8-143			4.74	20
2-Butanone (MEK)	0.125	0.000859	0.142	0.145	113	116	1	45.0-156			2.47	20.8
Methylene Chloride	0.0250	ND	0.0255	0.0254	102	102	1	61.5-125			0.470	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.125	0.124	99.7	99.5	1	60.7-150			0.160	20
Methyl tert-butyl ether	0.0250	0.00175	0.0268	0.0272	100	102	1	61.4-136			1.49	20
Naphthalene	0.0250	ND	0.0259	0.0268	104	107	1	61.8-143			3.38	20
n-Propylbenzene	0.0250	ND	0.0262	0.0252	105	101	1	63.2-139			3.58	20
Styrene	0.0250	ND	0.0244	0.0239	97.4	95.5	1	68.2-133			1.99	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0219	0.0218	87.8	87.2	1	70.5-132			0.670	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0256	0.0255	103	102	1	64.9-145			0.570	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798587-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 22:24 • (MS) 10/25/15 21:20 • (MSD) 10/25/15 21:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0248	0.0242	99.1	97.0	1	57.4-141			2.18	20
Toluene	0.0250	ND	0.0264	0.0255	106	102	1	67.8-124			3.53	20
1,1,1-Trichloroethane	0.0250	ND	0.0276	0.0266	110	106	1	58.7-134			3.79	20
1,1,2-Trichloroethane	0.0250	ND	0.0249	0.0249	99.5	99.6	1	74.1-130			0.0800	20
Trichloroethene	0.0250	ND	0.0251	0.0246	100	98.3	1	48.9-148			2.04	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0246	0.0238	98.2	95.1	1	60.5-137			3.26	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0250	0.0239	100	95.5	1	67.9-134			4.61	20
Vinyl chloride	0.0250	ND	0.0272	0.0265	109	106	1	44.3-143			2.60	20
Xylenes, Total	0.0750	ND	0.0748	0.0721	99.7	96.2	1	65.6-133			3.62	20
o-Xylene	0.0250	ND	0.0243	0.0237	97.2	94.9	1	67.1-133			2.40	20
m&p-Xylenes	0.0500	ND	0.0505	0.0484	101	96.8	1	64.1-133			4.21	20
(S) Toluene-d8					106	105		90.0-115				
(S) Dibromofluoromethane					103	103		79.0-121				
(S) 4-Bromofluorobenzene					97.9	96.8		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/27/15 12:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/27/15 12:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	111			90.0-115
(S) Dibromofluoromethane	102			79.0-121
(S) 4-Bromofluorobenzene	104			80.1-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 09:40 • (LCSD) 10/27/15 10:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.137	0.141	109	112	28.7-175			2.78	20.9
Benzene	0.0250	0.0283	0.0289	113	116	73.0-122			2.34	20
Bromodichloromethane	0.0250	0.0221	0.0223	88.4	89.4	75.5-121			1.12	20
Bromoform	0.0250	0.0185	0.0198	74.1	79.1	71.5-131			6.48	20
Bromomethane	0.0250	0.0314	0.0331	126	132	22.4-187			5.13	20
n-Butylbenzene	0.0250	0.0229	0.0234	91.7	93.7	75.9-134			2.13	20
sec-Butylbenzene	0.0250	0.0224	0.0232	89.6	92.9	80.6-126			3.63	20
Carbon disulfide	0.0250	0.0239	0.0251	95.8	100	53.0-134			4.55	20
Carbon tetrachloride	0.0250	0.0209	0.0215	83.5	85.8	70.9-129			2.70	20
Chlorobenzene	0.0250	0.0229	0.0242	91.6	96.6	79.7-122			5.36	20
Chlorodibromomethane	0.0250	0.0196	0.0210	78.3	83.9	78.2-124			6.93	20
Chloroethane	0.0250	0.0278	0.0293	111	117	41.2-153			5.40	20
Chloroform	0.0250	0.0244	0.0249	97.7	99.5	73.2-125			1.83	20
Chloromethane	0.0250	0.0260	0.0268	104	107	55.8-134			3.28	20
1,2-Dibromoethane	0.0250	0.0229	0.0240	91.5	96.0	79.8-122			4.85	20
1,1-Dichloroethane	0.0250	0.0257	0.0259	103	103	71.7-127			0.620	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 09:40 • (LCSD) 10/27/15 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0254	0.0260	102	104	65.3-126			2.01	20
1,1-Dichloroethene	0.0250	0.0239	0.0245	95.7	97.9	59.9-137			2.25	20
cis-1,2-Dichloroethene	0.0250	0.0243	0.0243	97.3	97.2	77.3-122			0.140	20
trans-1,2-Dichloroethene	0.0250	0.0240	0.0241	95.9	96.5	72.6-125			0.630	20
1,2-Dichloropropane	0.0250	0.0267	0.0265	107	106	77.4-125			0.680	20
cis-1,3-Dichloropropene	0.0250	0.0254	0.0264	102	105	77.7-124			3.52	20
trans-1,3-Dichloropropene	0.0250	0.0268	0.0277	107	111	73.5-127			3.20	20
Ethylbenzene	0.0250	0.0221	0.0231	88.6	92.4	80.9-121			4.20	20
2-Hexanone	0.125	0.132	0.140	106	112	59.4-151			5.60	20
Isopropylbenzene	0.0250	0.0216	0.0224	86.5	89.5	81.6-124			3.40	20
p-Isopropyltoluene	0.0250	0.0216	0.0224	86.2	89.4	77.6-129			3.62	20
2-Butanone (MEK)	0.125	0.146	0.150	117	120	46.4-155			2.48	20
Methylene Chloride	0.0250	0.0251	0.0255	100	102	69.5-120			1.52	20
4-Methyl-2-pentanone (MIBK)	0.125	0.128	0.131	102	105	63.3-138			2.57	20
Methyl tert-butyl ether	0.0250	0.0255	0.0255	102	102	70.1-125			0.240	20
Naphthalene	0.0250	0.0202	0.0210	81.0	83.8	69.7-134			3.50	20
n-Propylbenzene	0.0250	0.0229	0.0236	91.6	94.2	81.9-122			2.84	20
Styrene	0.0250	0.0259	0.0269	103	107	79.9-124			3.82	20
1,1,1,2-Tetrachloroethane	0.0250	0.0178	0.0184	71.0	73.8	78.5-125	*	*	3.81	20
1,1,2,2-Tetrachloroethane	0.0250	0.0215	0.0220	86.0	87.8	79.3-123	-	-	2.13	20
Tetrachloroethene	0.0250	0.0200	0.0207	79.9	82.8	73.5-130			3.65	20
Toluene	0.0250	0.0251	0.0257	101	103	77.9-116			2.16	20
1,1,1-Trichloroethane	0.0250	0.0232	0.0238	93.0	95.4	71.1-129			2.56	20
1,1,2-Trichloroethane	0.0250	0.0217	0.0229	86.9	91.8	81.6-120			5.51	20
Trichloroethene	0.0250	0.0230	0.0231	91.9	92.2	79.5-121			0.370	20
1,2,4-Trimethylbenzene	0.0250	0.0222	0.0224	88.7	89.5	79.0-122			0.930	20
1,3,5-Trimethylbenzene	0.0250	0.0222	0.0229	88.7	91.4	81.0-123			2.99	20
Vinyl chloride	0.0250	0.0254	0.0264	102	106	61.5-134			3.88	20
Xylenes, Total	0.0750	0.0669	0.0690	89.2	92.0	79.2-122			3.07	20
o-Xylene	0.0250	0.0220	0.0227	88.2	90.6	79.1-123			2.70	20
m&p-Xylenes	0.0500	0.0449	0.0463	89.7	92.7	78.5-122			3.25	20
(S) Toluene-d8				113	112	90.0-115				
(S) Dibromofluoromethane				106	104	79.0-121				
(S) 4-Bromofluorobenzene				106	108	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798576-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 14:42 • (MS) 10/27/15 15:03 • (MSD) 10/27/15 15:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00212	0.0529	0.0547	40.7	42.0	1	25.0-156			3.19	21.5
Benzene	0.0250	ND	0.0172	0.0174	68.8	69.5	1	58.6-133			0.970	20
Bromodichloromethane	0.0250	ND	0.0176	0.0178	70.2	71.3	1	69.2-127			1.48	20
Bromoform	0.0250	ND	0.0159	0.0166	63.4	66.3	1	66.3-140	F		4.35	20
Bromomethane	0.0250	ND	0.0109	0.0114	43.5	45.8	1	16.6-183			5.21	20.5
n-Butylbenzene	0.0250	ND	0.0206	0.0205	82.2	81.9	1	64.8-145			0.380	20
sec-Butylbenzene	0.0250	ND	0.0191	0.0191	76.3	76.3	1	66.8-139			0.0500	20
Carbon disulfide	0.0250	ND	0.00325	0.00334	13.0	13.4	1	34.9-138	F	F	2.67	20
Carbon tetrachloride	0.0250	ND	0.0135	0.0140	54.0	56.1	1	60.6-139	F	F	3.80	20
Chlorobenzene	0.0250	ND	0.0175	0.0181	70.0	72.5	1	70.1-130	F		3.53	20
Chlorodibromomethane	0.0250	ND	0.0163	0.0174	65.3	69.4	1	71.6-132	F	F	6.04	20
Chloroethane	0.0250	ND	0.0120	0.0123	48.2	49.1	1	33.3-155			1.96	20
Chloroform	0.0250	ND	0.0183	0.0188	73.4	75.1	1	66.1-133			2.42	20
Chloromethane	0.0250	ND	0.00804	0.00809	32.1	32.4	1	40.7-139	F	F	0.680	20
1,2-Dibromoethane	0.0250	ND	0.0174	0.0181	69.8	72.3	1	73.8-131	F	F	3.53	20
1,1-Dichloroethane	0.0250	ND	0.0178	0.0180	71.1	72.1	1	64.0-134			1.45	20
1,2-Dichloroethane	0.0250	ND	0.0183	0.0183	73.2	73.4	1	60.7-132			0.170	20
1,1-Dichloroethene	0.0250	ND	0.0119	0.0119	47.5	47.7	1	48.8-144	F	F	0.450	20
cis-1,2-Dichloroethene	0.0250	ND	0.0160	0.0159	63.8	63.7	1	60.6-136			0.280	20
trans-1,2-Dichloroethene	0.0250	ND	0.0110	0.0111	44.1	44.2	1	61.0-132	F	F	0.330	20
1,2-Dichloropropane	0.0250	ND	0.0196	0.0201	78.4	80.5	1	69.7-130			2.62	20
cis-1,3-Dichloropropene	0.0250	ND	0.0190	0.0191	75.8	76.5	1	71.1-129			0.910	20
trans-1,3-Dichloropropene	0.0250	ND	0.0210	0.0210	83.9	84.0	1	66.3-136			0.200	20
Ethylbenzene	0.0250	ND	0.0163	0.0167	65.1	66.7	1	62.7-136			2.41	20
2-Hexanone	0.125	ND	0.0943	0.0975	75.4	78.0	1	59.4-154			3.39	20.1
Isopropylbenzene	0.0250	ND	0.0172	0.0177	68.7	70.8	1	67.4-136			2.94	20
p-Isopropyltoluene	0.0250	ND	0.0185	0.0187	74.2	74.7	1	62.8-143			0.740	20
2-Butanone (MEK)	0.125	ND	0.0853	0.0864	68.2	69.1	1	45.0-156			1.32	20.8
Methylene Chloride	0.0250	ND	0.0150	0.0154	60.1	61.8	1	61.5-125	F		2.74	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.111	0.113	88.7	90.0	1	60.7-150			1.44	20
Methyl tert-butyl ether	0.0250	0.000324	0.0205	0.0214	80.9	84.3	1	61.4-136			4.07	20
Naphthalene	0.0250	ND	0.0175	0.0182	70.0	72.8	1	61.8-143			3.95	20
n-Propylbenzene	0.0250	ND	0.0186	0.0189	74.4	75.7	1	63.2-139			1.76	20
Styrene	0.0250	ND	0.0205	0.0210	82.0	83.9	1	68.2-133			2.36	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0148	0.0152	59.2	60.9	1	70.5-132	F	F	2.93	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0197	0.0206	78.8	82.3	1	64.9-145			4.35	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798576-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 14:42 • (MS) 10/27/15 15:03 • (MSD) 10/27/15 15:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0124	0.0125	49.8	49.9	1	57.4-141	F	F	0.320	20
Toluene	0.0250	ND	0.0166	0.0169	66.5	67.8	1	67.8-124	F		1.86	20
1,1,1-Trichloroethane	0.0250	ND	0.0166	0.0170	66.3	67.9	1	58.7-134			2.42	20
1,1,2-Trichloroethane	0.0250	ND	0.0188	0.0196	75.2	78.3	1	74.1-130			4.11	20
Trichloroethene	0.0250	ND	0.0138	0.0143	55.2	57.2	1	48.9-148			3.59	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0180	0.0185	72.1	73.8	1	60.5-137			2.36	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0180	0.0182	71.9	72.6	1	67.9-134			1.01	20
Vinyl chloride	0.0250	ND	0.00934	0.00924	37.4	36.9	1	44.3-143	F	F	1.09	20
Xylenes, Total	0.0750	ND	0.0495	0.0510	66.0	67.9	1	65.6-133			2.92	20
o-Xylene	0.0250	ND	0.0168	0.0170	67.1	68.1	1	67.1-133			1.51	20
m&p-Xylenes	0.0500	ND	0.0327	0.0339	65.4	67.8	1	64.1-133			3.64	20
(S) Toluene-d8					112	113		90.0-115				
(S) Dibromofluoromethane					104	104		79.0-121				
(S) 4-Bromofluorobenzene					106	107		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/27/15 17:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/27/15 17:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	102			90.0-115
(S) Dibromofluoromethane	97.1			79.0-121
(S) 4-Bromofluorobenzene	96.7			80.1-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 15:55 • (LCSD) 10/27/15 16:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.123	0.110	98.0	87.7	28.7-175			11.1	20.9
Bromodichloromethane	0.0250	0.0242	0.0238	96.6	95.3	75.5-121			1.35	20
Bromoform	0.0250	0.0262	0.0253	105	101	71.5-131			3.67	20
Bromomethane	0.0250	0.0304	0.0284	122	114	22.4-187			6.96	20
n-Butylbenzene	0.0250	0.0248	0.0243	99.1	97.1	75.9-134			1.98	20
sec-Butylbenzene	0.0250	0.0245	0.0243	98.0	97.2	80.6-126			0.730	20
Carbon disulfide	0.0250	0.0214	0.0208	85.4	83.3	53.0-134			2.55	20
Carbon tetrachloride	0.0250	0.0229	0.0226	91.6	90.3	70.9-129			1.53	20
Chlorobenzene	0.0250	0.0246	0.0245	98.5	97.8	79.7-122			0.680	20
Chlorodibromomethane	0.0250	0.0259	0.0257	103	103	78.2-124			0.610	20
Chloroethane	0.0250	0.0229	0.0224	91.8	89.5	41.2-153			2.53	20
Chloroform	0.0250	0.0244	0.0242	97.8	96.6	73.2-125			1.19	20
Chloromethane	0.0250	0.0217	0.0206	86.7	82.5	55.8-134			4.96	20
1,2-Dibromoethane	0.0250	0.0253	0.0245	101	98.1	79.8-122			3.28	20
1,1-Dichloroethane	0.0250	0.0241	0.0236	96.6	94.5	71.7-127			2.12	20
1,2-Dichloroethane	0.0250	0.0236	0.0233	94.4	93.2	65.3-126			1.28	20
1,1-Dichloroethene	0.0250	0.0229	0.0224	91.7	89.8	59.9-137			2.15	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 15:55 • (LCSD) 10/27/15 16:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	0.0250	0.0249	0.0247	99.7	98.7	77.3-122			1.04	20
trans-1,2-Dichloroethene	0.0250	0.0241	0.0236	96.5	94.4	72.6-125			2.26	20
1,2-Dichloropropane	0.0250	0.0252	0.0244	101	97.6	77.4-125			3.10	20
cis-1,3-Dichloropropene	0.0250	0.0262	0.0258	105	103	77.7-124			1.64	20
trans-1,3-Dichloropropene	0.0250	0.0263	0.0254	105	102	73.5-127			3.28	20
Ethylbenzene	0.0250	0.0245	0.0245	97.8	98.0	80.9-121			0.210	20
2-Hexanone	0.125	0.143	0.131	114	105	59.4-151			8.85	20
Isopropylbenzene	0.0250	0.0244	0.0239	97.5	95.7	81.6-124			1.84	20
p-Isopropyltoluene	0.0250	0.0245	0.0240	98.1	96.1	77.6-129			2.14	20
2-Butanone (MEK)	0.125	0.140	0.126	112	101	46.4-155			10.3	20
Methylene Chloride	0.0250	0.0227	0.0225	90.6	89.8	69.5-120			0.870	20
4-Methyl-2-pentanone (MIBK)	0.125	0.135	0.125	108	99.7	63.3-138			7.71	20
Methyl tert-butyl ether	0.0250	0.0257	0.0248	103	99.3	70.1-125			3.45	20
Naphthalene	0.0250	0.0261	0.0255	105	102	69.7-134			2.59	20
n-Propylbenzene	0.0250	0.0240	0.0237	96.1	94.9	81.9-122			1.27	20
Styrene	0.0250	0.0260	0.0257	104	103	79.9-124			1.19	20
1,1,1,2-Tetrachloroethane	0.0250	0.0252	0.0245	101	98.0	78.5-125			2.69	20
1,1,2,2-Tetrachloroethane	0.0250	0.0251	0.0236	100	94.3	79.3-123			6.09	20
Tetrachloroethene	0.0250	0.0246	0.0243	98.4	97.2	73.5-130			1.25	20
Toluene	0.0250	0.0236	0.0233	94.4	93.2	77.9-116			1.27	20
1,1,1-Trichloroethane	0.0250	0.0240	0.0233	95.9	93.1	71.1-129			2.93	20
1,1,2-Trichloroethane	0.0250	0.0247	0.0241	98.9	96.2	81.6-120			2.74	20
Trichloroethene	0.0250	0.0240	0.0239	96.1	95.6	79.5-121			0.510	20
1,2,4-Trimethylbenzene	0.0250	0.0244	0.0243	97.7	97.0	79.0-122			0.630	20
1,3,5-Trimethylbenzene	0.0250	0.0241	0.0237	96.4	94.6	81.0-123			1.80	20
Vinyl chloride	0.0250	0.0229	0.0226	91.7	90.4	61.5-134			1.40	20
Xylenes, Total	0.0750	0.0742	0.0722	99.0	96.2	79.2-122			2.81	20
o-Xylene	0.0250	0.0251	0.0244	100	97.6	79.1-123			2.89	20
m&p-Xylenes	0.0500	0.0491	0.0478	98.2	95.5	78.5-122			2.77	20
(S) Toluene-d8				102	103	90.0-115				
(S) Dibromofluoromethane				97.8	101	79.0-121				
(S) 4-Bromofluorobenzene				99.4	99.2	80.1-120				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



L796682-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 18:39 • (MS) 10/27/15 19:02 • (MSD) 10/27/15 19:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0612	8.48	7.56	67.3	60.0	100	25.0-156			11.5	21.5
Bromodichloromethane	0.0250	ND	2.30	2.39	92.1	95.4	100	69.2-127			3.56	20
Bromoform	0.0250	ND	2.47	2.64	98.8	106	100	66.3-140			6.59	20
Bromomethane	0.0250	ND	2.91	2.77	116	111	100	16.6-183			4.81	20.5
n-Butylbenzene	0.0250	ND	2.43	2.52	97.0	101	100	64.8-145			3.62	20
sec-Butylbenzene	0.0250	ND	2.37	2.43	95.0	97.4	100	66.8-139			2.51	20
Carbon disulfide	0.0250	0.00539	2.00	1.97	80.0	78.8	100	34.9-138			1.49	20
Carbon tetrachloride	0.0250	ND	2.20	2.25	88.2	90.1	100	60.6-139			2.15	20
Chlorobenzene	0.0250	ND	2.39	2.42	95.7	96.8	100	70.1-130			1.19	20
Chlorodibromomethane	0.0250	ND	2.48	2.64	99.4	106	100	71.6-132			6.06	20
Chloroethane	0.0250	ND	2.24	2.24	89.5	89.4	100	33.3-155			0.0300	20
Chloroform	0.0250	ND	2.30	2.34	92.0	93.7	100	66.1-133			1.88	20
Chloromethane	0.0250	ND	2.04	1.96	81.5	78.4	100	40.7-139			3.80	20
1,2-Dibromoethane	0.0250	ND	2.42	2.55	96.7	102	100	73.8-131			5.39	20
1,1-Dichloroethane	0.0250	ND	2.31	2.31	92.4	92.5	100	64.0-134			0.120	20
1,2-Dichloroethane	0.0250	ND	2.28	2.29	91.1	91.5	100	60.7-132			0.530	20
1,1-Dichloroethene	0.0250	ND	2.18	2.14	87.1	85.8	100	48.8-144			1.53	20
cis-1,2-Dichloroethene	0.0250	ND	2.38	2.41	95.3	96.6	100	60.6-136			1.32	20
trans-1,2-Dichloroethene	0.0250	ND	2.34	2.31	93.4	92.4	100	61.0-132			1.15	20
1,2-Dichloropropane	0.0250	ND	2.44	2.43	97.6	97.2	100	69.7-130			0.450	20
cis-1,3-Dichloropropene	0.0250	ND	2.52	2.58	101	103	100	71.1-129			2.37	20
trans-1,3-Dichloropropene	0.0250	ND	2.45	2.55	98.0	102	100	66.3-136			3.97	20
Ethylbenzene	0.0250	ND	2.38	2.43	95.2	97.3	100	62.7-136			2.18	20
2-Hexanone	0.125	ND	11.5	11.9	92.0	94.9	100	59.4-154			3.14	20.1
Isopropylbenzene	0.0250	ND	2.37	2.42	94.8	97.0	100	67.4-136			2.31	20
p-Isopropyltoluene	0.0250	ND	2.37	2.44	95.0	97.5	100	62.8-143			2.59	20
2-Butanone (MEK)	0.125	0.0751	10.8	10.4	85.7	83.0	100	45.0-156			3.22	20.8
Methylene Chloride	0.0250	0.00767	2.16	2.16	86.3	85.9	100	61.5-125			0.400	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	12.2	13.1	97.5	104	100	60.7-150			6.94	20
Methyl tert-butyl ether	0.0250	ND	2.42	2.48	96.8	99.0	100	61.4-136			2.26	20
Naphthalene	0.0250	0.00940	2.33	2.60	92.8	104	100	61.8-143			11.1	20
n-Propylbenzene	0.0250	ND	2.32	2.39	92.8	95.4	100	63.2-139			2.82	20
Styrene	0.0250	ND	2.52	2.57	101	103	100	68.2-133			2.24	20
1,1,1,2-Tetrachloroethane	0.0250	ND	2.40	2.50	96.1	100	100	70.5-132			4.09	20
1,1,2,2-Tetrachloroethane	0.0250	ND	2.47	2.61	98.9	104	100	64.9-145			5.37	20
Tetrachloroethene	0.0250	ND	2.38	2.41	95.4	96.2	100	57.4-141			0.860	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L796682-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 18:39 • (MS) 10/27/15 19:02 • (MSD) 10/27/15 19:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Toluene	0.0250	0.00314	2.28	2.30	91.3	91.8	100	67.8-124			0.610	20
1,1,1-Trichloroethane	0.0250	ND	2.31	2.31	92.5	92.6	100	58.7-134			0.0700	20
1,1,2-Trichloroethane	0.0250	ND	2.38	2.42	95.1	96.6	100	74.1-130			1.52	20
Trichloroethene	0.0250	ND	2.29	2.31	91.5	92.3	100	48.9-148			0.830	20
1,2,4-Trimethylbenzene	0.0250	ND	2.39	2.46	95.7	98.3	100	60.5-137			2.69	20
1,3,5-Trimethylbenzene	0.0250	ND	2.37	2.42	94.9	96.7	100	67.9-134			1.87	20
Vinyl chloride	0.0250	ND	2.18	2.16	87.2	86.3	100	44.3-143			1.08	20
Xylenes, Total	0.0750	ND	7.22	7.35	96.3	98.0	100	65.6-133			1.76	20
o-Xylene	0.0250	ND	2.43	2.48	97.3	99.1	100	67.1-133			1.84	20
m&p-Xylenes	0.0500	ND	4.79	4.87	95.8	97.4	100	64.1-133			1.72	20
(S) Toluene-d8					103	103		90.0-115				
(S) Dibromofluoromethane					102	100		79.0-121				
(S) 4-Bromofluorobenzene					101	102		80.1-120				

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 16:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 14:53 • (LCSD) 10/28/15 16:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0250	0.0307	0.0290	123	116	73.0-122	*		5.65	20

6 Qc

L796118-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 21:16 • (MS) 10/28/15 18:38 • (MSD) 10/28/15 19:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0250	0.000477	0.0194	0.0197	75.6	76.8	1	58.6-133			1.57	20

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/29/15 11:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/29/15 11:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	102			90.0-115
(S) Dibromofluoromethane	96.3			79.0-121
(S) 4-Bromofluorobenzene	102			80.1-120

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 10:41 • (LCSD) 10/29/15 11:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.129	0.127	103	101	28.7-175			1.73	20.9
Benzene	0.0250	0.0241	0.0240	96.4	95.8	73.0-122			0.610	20
Bromodichloromethane	0.0250	0.0249	0.0249	99.5	99.4	75.5-121			0.0600	20
Bromoform	0.0250	0.0252	0.0257	101	103	71.5-131			1.98	20
Bromomethane	0.0250	0.0264	0.0237	105	94.8	22.4-187			10.6	20
n-Butylbenzene	0.0250	0.0285	0.0288	114	115	75.9-134			1.12	20
sec-Butylbenzene	0.0250	0.0268	0.0264	107	106	80.6-126			1.39	20
Carbon disulfide	0.0250	0.0216	0.0211	86.2	84.4	53.0-134			2.14	20
Carbon tetrachloride	0.0250	0.0246	0.0247	98.4	98.9	70.9-129			0.550	20
Chlorobenzene	0.0250	0.0265	0.0260	106	104	79.7-122			1.91	20
Chlorodibromomethane	0.0250	0.0266	0.0266	107	106	78.2-124			0.150	20
Chloroethane	0.0250	0.0259	0.0265	104	106	41.2-153			2.14	20
Chloroform	0.0250	0.0250	0.0247	99.9	98.7	73.2-125			1.25	20
Chloromethane	0.0250	0.0217	0.0215	86.9	86.0	55.8-134			1.14	20
1,2-Dibromoethane	0.0250	0.0270	0.0274	108	109	79.8-122			1.26	20
1,1-Dichloroethane	0.0250	0.0250	0.0249	99.8	99.5	71.7-127			0.310	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 10:41 • (LCSD) 10/29/15 11:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0268	0.0270	107	108	65.3-126			0.880	20
1,1-Dichloroethene	0.0250	0.0260	0.0261	104	104	59.9-137			0.0900	20
cis-1,2-Dichloroethene	0.0250	0.0248	0.0246	99.1	98.2	77.3-122			0.940	20
trans-1,2-Dichloroethene	0.0250	0.0250	0.0253	99.9	101	72.6-125			1.19	20
1,2-Dichloropropane	0.0250	0.0259	0.0258	104	103	77.4-125			0.710	20
cis-1,3-Dichloropropene	0.0250	0.0257	0.0254	103	102	77.7-124			1.27	20
trans-1,3-Dichloropropene	0.0250	0.0267	0.0256	107	102	73.5-127			4.10	20
Ethylbenzene	0.0250	0.0267	0.0263	107	105	80.9-121			1.31	20
2-Hexanone	0.125	0.145	0.145	116	116	59.4-151			0.0800	20
Isopropylbenzene	0.0250	0.0270	0.0264	108	106	81.6-124			2.00	20
p-Isopropyltoluene	0.0250	0.0276	0.0268	110	107	77.6-129			2.72	20
2-Butanone (MEK)	0.125	0.137	0.138	110	110	46.4-155			0.310	20
Methylene Chloride	0.0250	0.0233	0.0232	93.3	92.9	69.5-120			0.460	20
4-Methyl-2-pentanone (MIBK)	0.125	0.130	0.130	104	104	63.3-138			0.440	20
Methyl tert-butyl ether	0.0250	0.0251	0.0251	100	100	70.1-125			0.0100	20
Naphthalene	0.0250	0.0254	0.0268	101	107	69.7-134			5.67	20
n-Propylbenzene	0.0250	0.0277	0.0271	111	108	81.9-122			2.18	20
Styrene	0.0250	0.0270	0.0266	108	106	79.9-124			1.71	20
1,1,1,2-Tetrachloroethane	0.0250	0.0248	0.0251	99.1	101	78.5-125			1.45	20
1,1,2,2-Tetrachloroethane	0.0250	0.0285	0.0278	114	111	79.3-123			2.43	20
Tetrachloroethene	0.0250	0.0269	0.0264	108	105	73.5-130			2.22	20
Toluene	0.0250	0.0252	0.0247	101	98.9	77.9-116			1.99	20
1,1,1-Trichloroethane	0.0250	0.0253	0.0243	101	97.1	71.1-129			4.17	20
1,1,2-Trichloroethane	0.0250	0.0269	0.0269	108	108	81.6-120			0.170	20
Trichloroethene	0.0250	0.0258	0.0256	103	102	79.5-121			0.900	20
1,2,4-Trimethylbenzene	0.0250	0.0265	0.0258	106	103	79.0-122			2.69	20
1,3,5-Trimethylbenzene	0.0250	0.0268	0.0262	107	105	81.0-123			2.35	20
Vinyl chloride	0.0250	0.0262	0.0260	105	104	61.5-134			0.810	20
Xylenes, Total	0.0750	0.0788	0.0771	105	103	79.2-122			2.12	20
o-Xylene	0.0250	0.0265	0.0259	106	104	79.1-123			2.22	20
m&p-Xylenes	0.0500	0.0523	0.0512	105	102	78.5-122			2.07	20
(S) Toluene-d8				103	101	90.0-115				
(S) Dibromofluoromethane				95.2	97.6	79.0-121				
(S) 4-Bromofluorobenzene				104	102	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798466-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 14:10 • (MS) 10/29/15 14:30 • (MSD) 10/29/15 14:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00110	0.0843	0.0831	66.5	65.6	1	25.0-156			1.36	21.5
Benzene	0.0250	ND	0.0156	0.0156	62.5	62.3	1	58.6-133			0.190	20
Bromodichloromethane	0.0250	ND	0.0196	0.0201	78.5	80.3	1	69.2-127			2.30	20
Bromoform	0.0250	ND	0.0205	0.0213	81.9	85.3	1	66.3-140			4.07	20
Bromomethane	0.0250	ND	0.00473	0.00397	18.9	15.9	1	16.6-183		F	17.3	20.5
n-Butylbenzene	0.0250	ND	0.0225	0.0231	89.9	92.5	1	64.8-145			2.89	20
sec-Butylbenzene	0.0250	ND	0.0205	0.0214	81.8	85.6	1	66.8-139			4.53	20
Carbon disulfide	0.0250	ND	0.00436	0.00447	17.5	17.9	1	34.9-138	F	F	2.45	20
Carbon tetrachloride	0.0250	ND	0.0148	0.0167	59.3	66.8	1	60.6-139	F		12.0	20
Chlorobenzene	0.0250	ND	0.0194	0.0197	77.7	78.9	1	70.1-130			1.47	20
Chlorodibromomethane	0.0250	ND	0.0212	0.0214	85.0	85.7	1	71.6-132			0.810	20
Chloroethane	0.0250	ND	0.0159	0.0136	63.4	54.5	1	33.3-155			15.1	20
Chloroform	0.0250	ND	0.0189	0.0191	75.7	76.3	1	66.1-133			0.830	20
Chloromethane	0.0250	ND	0.00739	0.00715	29.6	28.6	1	40.7-139	F	F	3.32	20
1,2-Dibromoethane	0.0250	ND	0.0197	0.0205	78.7	81.9	1	73.8-131			3.92	20
1,1-Dichloroethane	0.0250	ND	0.0178	0.0179	71.3	71.5	1	64.0-134			0.410	20
1,2-Dichloroethane	0.0250	ND	0.0193	0.0193	77.3	77.1	1	60.7-132			0.140	20
1,1-Dichloroethene	0.0250	ND	0.0135	0.0134	54.1	53.5	1	48.8-144			0.980	20
cis-1,2-Dichloroethene	0.0250	ND	0.0169	0.0163	67.7	65.0	1	60.6-136			4.07	20
trans-1,2-Dichloroethene	0.0250	ND	0.0129	0.0129	51.7	51.6	1	61.0-132	F	F	0.0200	20
1,2-Dichloropropane	0.0250	ND	0.0192	0.0193	76.7	77.4	1	69.7-130			0.890	20
cis-1,3-Dichloropropene	0.0250	ND	0.0190	0.0191	75.8	76.3	1	71.1-129			0.660	20
trans-1,3-Dichloropropene	0.0250	ND	0.0190	0.0191	75.9	76.5	1	66.3-136			0.820	20
Ethylbenzene	0.0250	ND	0.0189	0.0193	75.7	77.1	1	62.7-136			1.86	20
2-Hexanone	0.125	ND	0.112	0.115	89.7	92.1	1	59.4-154			2.62	20.1
Isopropylbenzene	0.0250	ND	0.0201	0.0205	80.3	82.1	1	67.4-136			2.16	20
p-Isopropyltoluene	0.0250	ND	0.0213	0.0216	85.1	86.2	1	62.8-143			1.36	20
2-Butanone (MEK)	0.125	ND	0.106	0.104	84.6	83.4	1	45.0-156			1.53	20.8
Methylene Chloride	0.0250	ND	0.0149	0.0151	59.6	60.2	1	61.5-125	F	F	0.960	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.109	0.109	87.1	87.2	1	60.7-150			0.110	20
Methyl tert-butyl ether	0.0250	ND	0.0205	0.0204	81.9	81.4	1	61.4-136			0.560	20
Naphthalene	0.0250	ND	0.0213	0.0223	85.1	89.2	1	61.8-143			4.70	20
n-Propylbenzene	0.0250	ND	0.0204	0.0207	81.7	82.8	1	63.2-139			1.43	20
Styrene	0.0250	ND	0.0201	0.0207	80.3	82.6	1	68.2-133			2.89	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0202	0.0208	80.9	83.2	1	70.5-132			2.78	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0242	0.0249	96.6	99.5	1	64.9-145			2.96	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798466-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 14:10 • (MS) 10/29/15 14:30 • (MSD) 10/29/15 14:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0163	0.0167	65.3	67.0	1	57.4-141			2.62	20
Toluene	0.0250	ND	0.0169	0.0169	67.6	67.8	1	67.8-124	F		0.260	20
1,1,1-Trichloroethane	0.0250	ND	0.0180	0.0178	72.0	71.1	1	58.7-134			1.18	20
1,1,2-Trichloroethane	0.0250	ND	0.0218	0.0221	87.0	88.5	1	74.1-130			1.76	20
Trichloroethene	0.0250	ND	0.0166	0.0163	66.6	65.2	1	48.9-148			2.11	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0199	0.0202	79.5	80.8	1	60.5-137			1.62	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0199	0.0202	79.7	80.7	1	67.9-134			1.25	20
Vinyl chloride	0.0250	ND	0.0109	0.0106	43.5	42.4	1	44.3-143	F	F	2.60	20
Xylenes, Total	0.0750	ND	0.0550	0.0559	73.3	74.5	1	65.6-133			1.61	20
o-Xylene	0.0250	ND	0.0189	0.0195	75.5	77.8	1	67.1-133			3.00	20
m&p-Xylenes	0.0500	ND	0.0361	0.0364	72.2	72.8	1	64.1-133			0.880	20
(S) Toluene-d8					102	102		90.0-115				
(S) Dibromofluoromethane					96.0	95.5		79.0-121				
(S) 4-Bromofluorobenzene					101	101		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/24/15 16:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) High Fraction	U		0.0247	0.100
<i>(S) o-Terphenyl</i>	77.1			50.0-150

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 16:50 • (LCSD) 10/24/15 17:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) High Fraction	1.50	1.07	1.18	71.4	78.7	50.0-150			9.72	20
<i>(S) o-Terphenyl</i>				74.4	82.4	50.0-150				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) 10/27/15 18:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) High Fraction	U		0.0247	0.100
<i>(S) o-Terphenyl</i>	89.7			50.0-150

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 18:30 • (LCSD) 10/27/15 18:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) High Fraction	1.50	1.26	1.20	84.3	79.8	50.0-150			5.51	20
<i>(S) o-Terphenyl</i>				96.5	94.0	50.0-150				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) 10/26/15 20:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) High Fraction	U		0.0247	0.100
<i>(S) o-Terphenyl</i>	69.2			50.0-150

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 20:21 • (LCSD) 10/26/15 20:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) High Fraction	1.50	0.841	0.980	56.0	65.3	50.0-150			15.3	20
<i>(S) o-Terphenyl</i>				74.6	80.7	50.0-150				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
4	The sample concentration was greater than 4 times the spike value.
*	LCS/LCSD recovery outside the control limit or RPD value outside the control limit.
F	The MS/MSD recovery outside the control limit.
J	Estimated value.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.  
 \* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee <sup>14</sup>	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

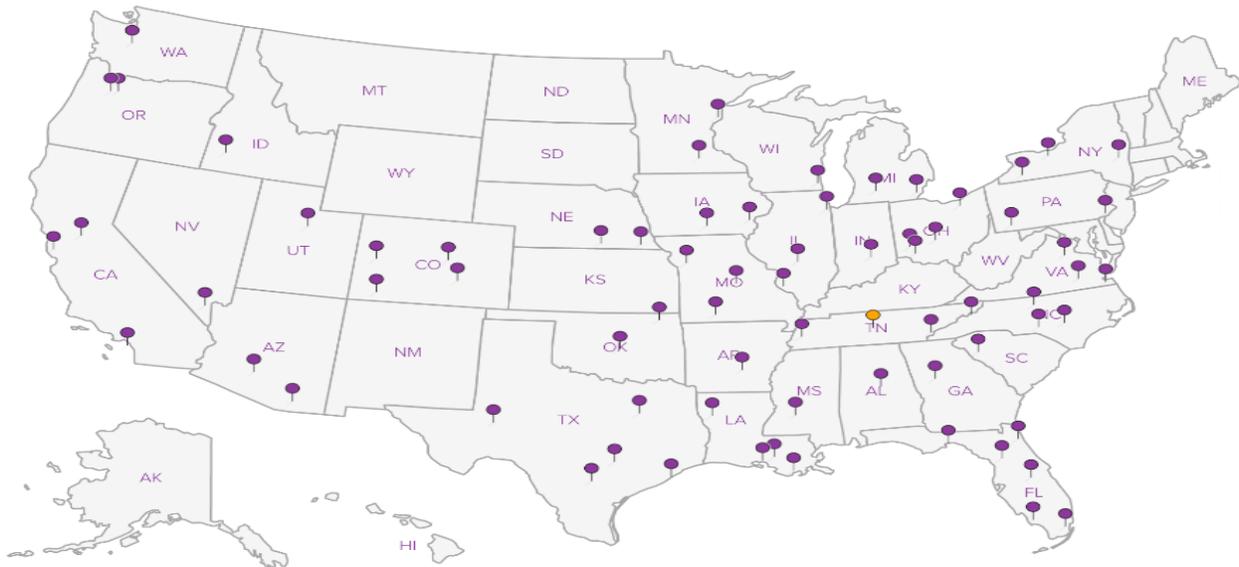
## Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



shipment #2

**ARCADIS US - TX**

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Billing Information:  
Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Report to:  
**Pam Krueger**

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

Project Description: **Navajo Refining Company - Artesia, NM**

City/State Collected: **Artesia, NM**

Phone: **713-953-4800**  
Fax:

Client Project #  
**TX000836.0007.15006**

Lab Project #  
**ARCADHTX-NAVAJO FULL**

Collected by (print):  
**Greg Scherbenske**

Site/Facility ID #  
**NCL**

P.O. #

Collected by (signature):

**Rush?** (Lab MUST Be Notified)  
 \_\_\_ Same Day .....200%  
 \_\_\_ Next Day .....100%  
 \_\_\_ Two Day .....50%  
 \_\_\_ Three Day .....25%

Date Results Needed

Email? \_\_\_No **X**Yes  
FAX? \_\_\_No \_\_\_Yes

No. of Cntrs

Immediately Packed on Ice N \_\_\_ Y **✓**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CL, FL, SO4 125mIHDPE-NoPres	CN 250mIHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40mlAmb HCl	METALS 6020 500mIHDPE-HNO3	NO2NO3 250mIHDPE-H2SO4	TDS 250mIHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	Rem./Contaminant	Sample # (lab only)
NCL-34A	Grab	GW		10/20/15	1310	8	X		X		X	X	X			-01	
MW-55		GW				11	X	X	X	X	X	X	X		X	aps	
NCL-33	Grab	GW		10/20/15	1220	8	X		X		X	X	X			-02	
NCL-44		GW		10/20/15	1130	8	X		X		X	X	X			-03	
NCL-32		GW		10/20/15	1030	8	X		X		X	X	X			-04	
MW-108		GW		10/20/15	915	8	X		X		X	X	X			-05	
NCL-31		GW		10/20/15	815	8	X		X		X	X	X			-06	
MW-54A		GW				8	X		X		X	X	X			aps	
NCL-49		GW				8	X		X		X	X	X			aps	
DUP-NL-01 DUP-NCL-01		GW				8	X		X		X	X	X			aps	

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_  
Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold # \_\_\_\_\_  
Condition: (lab use only) \_\_\_\_\_  
COE Seal Intact: \_\_\_Y\_\_\_N\_\_\_NA  
pH Checked: \_\_\_\_\_ NCF: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_  
Date: **7/21/15**  
Time: **730**

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_  
Received for lab by: (Signature) \_\_\_\_\_

Samples returned via:  UPS  
 FedEx  Courier  \_\_\_\_\_  
Temp: **3.1** °C Bottles Received: **92**  
Date: **10/22/15** Time: **0900**

CL, FL, SO4 125mIHDPE-NoPres  
CN 250mIHDPEAmb-NaOH  
DRO 100ml Amb-HCl  
GRO 40mlAmb HCl  
METALS 6020 500mIHDPE-HNO3  
NO2NO3 250mIHDPE-H2SO4  
TDS 250mIHDPE-NoPres  
V8260 40mlAmb-HCl  
V8260 40mlAmb-HCl-Blk

Metals (Hg, Ni, Va) (HNO3) L2

Chain of Custody Page **2** of **16**



L.A.B S.C.I.E.N.C.E.S

YOUR LAB. OFFICE

12055 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



L # **199673**  
**G016 NCL-33**  
Acctnum: ARCADHTX  
Template: T105695 **L798576**  
Prelogin: P524867  
TSR: 633 - Pam Langford  
PB:

Shipped Via: **FedEX Ground**

**ARCADIS US - TX**

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Billing Information:  
Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Report to:  
Pam Krueger

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

Project  
Description: Navajo Refining Company - Artesia, NM

City/State  
Collected: Artesia, NM

Phone: 713-953-4800  
Fax:

Client Project #  
TX000836.0007.15006

Lab Project #  
ARCADHTX-NAVAJO FULL

Collected by (print):  
Greg Schorberske

Site/Facility ID #  
NCL

P.O. #

Collected by (signature):  
[Signature]  
Immediately  
Packed on ice N \_\_\_ Y

Rush? (Lab MUST Be Notified)  
\_\_\_ Same Day .....200%  
\_\_\_ Next Day .....100%  
\_\_\_ Two Day .....50%  
\_\_\_ Three Day .....25%

Date Results Needed

Email? \_\_\_ No  Yes

FAX? \_\_\_ No \_\_\_ Yes

No. of Cntrs

Analysis / Container / Preservative

CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40mlAmb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik
				O = with Ca, K, Na & 2				



YOUR LAB OF CHOICE  
12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



L # ~~1216143~~  
Table # L798576

Acctnum: ARCADHTX  
Template: T105695  
Prelogin: P524867  
TSR: 633 - Pam Langford  
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40mlAmb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik	Rem./Contaminant	Sample # (lab only)
EB-NCL-01	Grab	GW		10/20/15	1050	8	X		X		X	X	X	X		-07	
TRIP BLANK-NCL-01	↓	GW		10/20/15	-	1									X	-08	

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_  
Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature)  
[Signature]  
Relinquished by: (Signature)  
[Signature]  
Relinquished by: (Signature)  
[Signature]

Date: 7/21/15  
Time: 730  
Date:  
Time:  
Date:  
Time:

Received by: (Signature)  
[Signature]  
Received by: (Signature)  
[Signature]  
Receiver for lab by: (Signature)  
[Signature]

Samples returned via:  UPS  
 FedEx  Courier  \_\_\_\_\_  
Temp: 31 °C Bottles Received: 92  
Date: 10/22/15 Time: 0900

Hold #  
Condition: (lab use only)  
COC Seal Intact: \_\_\_ Y \_\_\_ N \_\_\_ NA  
pH Checked: 7.27  
NCF:

(Shipment #1)

**ARCADIS US - TX**  
 2929 Briarpark Dr., Suite 300  
 Houston, TX 77042

Billing Information:  
 Att: Accounts Payable  
 630 Plaza Drive, Suite 600  
 Highlands Ranch, CO 80129

Report to:  
**Pam Krueger**

Email To: pam.krueger@arcadis-us.com;  
 maisha.turner@arcadis-us.com;

Project Description: **Navajo Refining Company - Artesia, NM**

City/State Collected: **Artesia, NM**

Phone: **713-953-4800**  
 Fax:

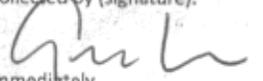
Client Project #  
**TX000836.0007.15006**

Lab Project #  
**ARCADHTX-NAVAJO FULL**

Collected by (print):  
**Greg Scherbenske**

Site/Facility ID #  
**NCL**

P.O. #

Collected by (signature):  
  
 Immediately Packed on Ice N  Y

**Rush? (Lab MUST Be Notified)**  
 \_\_\_ Same Day .....200%  
 \_\_\_ Next Day .....100%  
 \_\_\_ Two Day .....50%  
 \_\_\_ Three Day .....25%

Date Results Needed  
 Email? \_\_\_ No  Yes  
 FAX? \_\_\_ No \_\_\_ Yes  
 No. of Cntrs

Analysis / Container / Preservative									
CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40mlAmb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik	

Chain of Custody Page 14 of 15



L.A.B. S.C.I.E.N.C.E.S.

YOUR LAB OF CHOICE

12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859

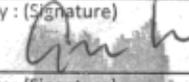
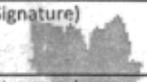
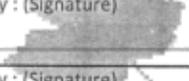
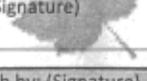
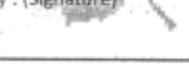
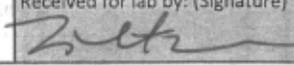


L# **L795810**  
 Table # **L795872**  
 Acctnum: **ARCADHTX**  
 Template: **T105695**  
 Prelogin: **P524867**  
 TSR: 633 - Pam Langford  
 PB: **9-16-15 rwb**  
 Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40mlAmb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik	Rem./Contaminant	Sample # (lab only)
NCL 34A		GW				8	X		X		X	X	X	X			
MW-55	Grab	GW		10/19/15	1620	11	X	X	X	X	X	X	X	X	X	-09	<del>12</del> 33
NCL 33		GW				8	X		X		X	X	X	X			
NCL 44		GW				8	X		X		X	X	X	X			
NCL 32		GW				8	X		X		X	X	X	X			
MW 108		GW				8	X		X		X	X	X	X			
NCL 31		GW				8	X		X		X	X	X	X			
MW-54A	Grab	GW		10/19/15	925	8	X		X		X	X	X	X		-10	<del>13</del> 34
NCL 49	↓	GW		10/19/15	825	8	X		X		X	X	X	X		-11	<del>14</del> 35
DUP-NL-01 DUB-NCL-01	↓	GW		10/19/15	900	8	X		X		X	X	X	X		-12	<del>15</del> 36

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks: pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature) 	Date: 10/20/15	Time: 700	Received by: (Signature) 	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/>	Condition: (lab use only)
Relinquished by: (Signature) 	Date:	Time:	Received by: (Signature) 	Temp: °C Bottles Received: 27 <del>80</del> 92	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature) 	Date:	Time:	Received for lab by: (Signature) 	Date: 10/21/15 Time: 0920	pH Checked: <2 >12 NCF:

## ARCADIS US - TX

Sample Delivery Group: L798587  
Samples Received: 10/21/2015  
Project Number: TX000836.0007.15004  
Description: Navajo Refining Company - Artesia, NM  
Site: EP  
Report To: Pam Krueger  
2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Entire Report Reviewed By:



Chris McCord  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



<b><sup>1</sup>Cp: Cover Page</b>	<b>1</b>
<b><sup>2</sup>Tc: Table of Contents</b>	<b>2</b>
<b><sup>3</sup>Ss: Sample Summary</b>	<b>3</b>
<b><sup>4</sup>Cn: Case Narrative</b>	<b>9</b>
<b><sup>5</sup>Sr: Sample Results</b>	<b>10</b>
DUP-EP-02 L798587-01	10
MW-88 L798587-02	12
MW-22A L798587-03	14
MW-10 L798587-04	16
MW-123 L798587-05	18
MW-7A L798587-06	20
DUP-EP-01 L798587-07	22
OCD-8A L798587-08	24
DUP-EP-03 L798587-09	26
EB-EP-03 L798587-10	28
TRIP BLANK-EP-02 L798587-11	30
EB-EP-01 L798587-12	31
EB-EP-04 L798587-13	33
TRIP BLANK-EP-01 L798587-14	35
MW-18A L798587-15	36
TRIP BLANK-EP-03 L798587-16	38
MW-76 L798587-17	39
MW-77 L798587-18	41
MW-75 L798587-19	43
MW-83 L798587-20	45
MW-3 L798587-21	47
MW-4A L798587-22	49
<b><sup>6</sup>Qc: Quality Control Summary</b>	<b>51</b>
Gravimetric Analysis by Method 2540 C-2011	51
Wet Chemistry by Method 353.2	56
Wet Chemistry by Method 9012B	64
Wet Chemistry by Method 9056MOD	65
Mercury by Method 7470A	76
Metals (ICPMS) by Method 6020	77
Volatile Organic Compounds (GC) by Method 8015D/GRO	83
Volatile Organic Compounds (GC/MS) by Method 8260B	88
Semi-Volatile Organic Compounds (GC) by Method 8015M	109
<b><sup>7</sup>Gl: Glossary of Terms</b>	<b>112</b>
<b><sup>8</sup>Al: Accreditations &amp; Locations</b>	<b>113</b>

<sup>1</sup> Cp
<sup>2</sup> Tc
<sup>3</sup> Ss
<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc



<sup>9</sup>Sc: Chain of Custody

114

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# SAMPLE SUMMARY

## DUP-EP-02 L798587-01 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/20/15 12:00  
 Received date/time: 10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:30	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:56	VSS
Metals (ICPMS) by Method 6020	WG824869	5	10/28/15 11:03	10/29/15 13:51	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/26/15 22:02	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824603	1	10/27/15 09:28	10/27/15 09:28	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 18:14	10/27/15 18:14	ACG
Wet Chemistry by Method 353.2	WG825545	10	11/02/15 22:43	11/02/15 22:43	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 21:43	10/27/15 21:43	DJD
Wet Chemistry by Method 9056MOD	WG824303	100	10/27/15 20:31	10/27/15 20:31	DJD

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## MW-88 L798587-02 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/20/15 08:55  
 Received date/time: 10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 11:58	VSS
Metals (ICPMS) by Method 6020	WG824869	5	10/28/15 11:03	10/29/15 13:53	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/26/15 22:22	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824603	1	10/27/15 09:50	10/27/15 09:50	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 18:35	10/27/15 18:35	ACG

## MW-22A L798587-03 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/20/15 09:40  
 Received date/time: 10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:55	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 12:00	VSS
Metals (ICPMS) by Method 6020	WG824869	5	10/28/15 11:03	10/29/15 13:56	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/26/15 22:43	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824603	5	10/27/15 10:12	10/27/15 10:12	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 18:56	10/27/15 18:56	ACG
Wet Chemistry by Method 353.2	WG825545	10	11/02/15 22:44	11/02/15 22:44	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 21:58	10/27/15 21:58	DJD
Wet Chemistry by Method 9056MOD	WG824303	100	10/27/15 20:45	10/27/15 20:45	DJD

## MW-10 L798587-04 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/20/15 10:45  
 Received date/time: 10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824453	1	10/26/15 12:30	10/27/15 14:56	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 12:02	VSS
Metals (ICPMS) by Method 6020	WG824869	2	10/28/15 11:03	10/29/15 14:04	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/26/15 23:03	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG825223	1	10/29/15 01:27	10/29/15 01:27	CAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824438	1	10/27/15 19:18	10/27/15 19:18	ACG
Wet Chemistry by Method 353.2	WG825545	10	11/02/15 22:45	11/02/15 22:45	ASK
Wet Chemistry by Method 9056MOD	WG824303	1	10/27/15 22:12	10/27/15 22:12	DJD
Wet Chemistry by Method 9056MOD	WG824303	100	10/27/15 22:55	10/27/15 22:55	DJD

# SAMPLE SUMMARY

## MW-123 L798587-05 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/20/15 11:35      Received date/time  
10/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824454	1	10/26/15 11:56	10/27/15 14:18	MF
Metals (ICPMS) by Method 6020	WG824869	1	10/28/15 11:03	10/29/15 12:05	VSS
Metals (ICPMS) by Method 6020	WG824869	5	10/28/15 11:03	10/29/15 14:07	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG824380	1	10/26/15 00:00	10/26/15 23:23	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824603	1	10/27/15 09:05	10/27/15 09:05	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG825269	1	10/29/15 02:57	10/29/15 02:57	ACG
Wet Chemistry by Method 353.2	WG825545	10	11/02/15 22:46	11/02/15 22:46	ASK
Wet Chemistry by Method 9056MOD	WG824952	100	10/28/15 17:20	10/28/15 17:20	DJD
Wet Chemistry by Method 9056MOD	WG825183	1	10/29/15 17:00	10/29/15 17:00	DJD

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

## MW-7A L798587-06 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 16:05      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823730	1	10/23/15 14:07	10/26/15 12:14	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 10:54	VSS
Metals (ICPMS) by Method 6020	WG824777	5	10/27/15 12:14	10/28/15 12:05	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/24/15 21:32	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 12:01	10/27/15 12:01	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/25/15 22:24	10/25/15 22:24	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:23	10/28/15 13:23	ASK
Wet Chemistry by Method 9056MOD	WG824149	1	10/24/15 16:03	10/24/15 16:03	DJD
Wet Chemistry by Method 9056MOD	WG824149	100	10/24/15 13:58	10/24/15 13:58	DJD

## DUP-EP-01 L798587-07 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 11:00      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823730	1	10/23/15 14:07	10/26/15 12:14	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 10:56	VSS
Metals (ICPMS) by Method 6020	WG824777	5	10/27/15 12:14	10/28/15 12:07	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/24/15 21:52	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 12:23	10/27/15 12:23	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 00:50	10/26/15 00:50	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:24	10/28/15 13:24	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/23/15 23:49	10/23/15 23:49	DJD
Wet Chemistry by Method 9056MOD	WG823862	100	10/24/15 02:10	10/24/15 02:10	DJD

## OCD-8A L798587-08 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 17:20      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823730	1	10/23/15 14:07	10/26/15 12:07	MF
Mercury by Method 7470A	WG823720	1	10/22/15 15:10	10/22/15 17:24	TRB
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 10:59	VSS
Metals (ICPMS) by Method 6020	WG824777	10	10/27/15 12:14	10/28/15 13:20	VSS
Metals (ICPMS) by Method 6020	WG824777	5	10/27/15 12:14	10/28/15 12:09	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/24/15 22:13	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 12:45	10/27/15 12:45	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 01:11	10/26/15 01:11	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:25	10/28/15 13:25	ASK
Wet Chemistry by Method 9012B	WG824888	1	10/27/15 17:55	10/28/15 07:00	DR



OCD-8A L798587-08 GW

Collected by Greg Scherbenske  
 Collected date/time 10/19/15 17:20  
 Received date/time 10/21/15 09:00

<sup>1</sup> Cp

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 00:03	10/24/15 00:03	DJD
Wet Chemistry by Method 9056MOD	WG823862	100	10/24/15 02:24	10/24/15 02:24	DJD

<sup>2</sup> Tc

<sup>3</sup> Ss

DUP-EP-03 L798587-09 GW

Collected by Greg Scherbenske  
 Collected date/time 10/19/15 10:00  
 Received date/time 10/21/15 09:00

<sup>4</sup> Cn

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823730	1	10/23/15 14:07	10/26/15 12:07	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:06	VSS
Metals (ICPMS) by Method 6020	WG824777	5	10/27/15 12:14	10/28/15 12:12	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	5	10/23/15 11:31	10/26/15 15:39	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 13:07	10/27/15 13:07	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 01:32	10/26/15 01:32	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:26	10/28/15 13:26	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 00:17	10/24/15 00:17	DJD
Wet Chemistry by Method 9056MOD	WG823862	100	10/24/15 02:39	10/24/15 02:39	DJD

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

EB-EP-03 L798587-10 GW

Collected by Greg Scherbenske  
 Collected date/time 10/19/15 15:15  
 Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823730	1	10/23/15 14:07	10/26/15 12:18	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:08	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/24/15 22:54	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 13:29	10/27/15 13:29	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/25/15 23:48	10/25/15 23:48	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:27	10/28/15 13:27	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 00:32	10/24/15 00:32	DJD

TRIP BLANK-EP-02 L798587-11 GW

Collected by Greg Scherbenske  
 Collected date/time 10/19/15 00:00  
 Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/25/15 22:45	10/25/15 22:45	ACG

EB-EP-01 L798587-12 GW

Collected by Greg Scherbenske  
 Collected date/time 10/19/15 11:40  
 Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823732	1	10/23/15 15:11	10/24/15 14:55	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:11	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/24/15 23:14	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 13:51	10/27/15 13:51	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 00:09	10/26/15 00:09	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:29	10/28/15 13:29	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 01:01	10/24/15 01:01	DJD

# SAMPLE SUMMARY

## EB-EP-04 L798587-13 GW

Collected by Greg Scherbenske    Collected date/time 10/19/15 10:35    Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823732	1	10/23/15 15:11	10/24/15 15:03	MF
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 10:45	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/25/15 00:56	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG823733	1	10/27/15 14:13	10/27/15 14:13	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 00:30	10/26/15 00:30	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:30	10/28/15 13:30	ASK
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 01:56	10/24/15 01:56	DJD

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## TRIP BLANK-EP-01 L798587-14 GW

Collected by Greg Scherbenske    Collected date/time 10/19/15 00:00    Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/25/15 23:06	10/25/15 23:06	ACG

## MW-18A L798587-15 GW

Collected by Greg Scherbenske    Collected date/time 10/19/15 15:50    Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG823732	1	10/23/15 15:11	10/24/15 15:00	MF
Mercury by Method 7470A	WG823720	1	10/22/15 15:10	10/22/15 17:39	TRB
Metals (ICPMS) by Method 6020	WG824777	1	10/27/15 12:14	10/28/15 11:13	VSS
Metals (ICPMS) by Method 6020	WG824777	20	10/27/15 12:14	10/28/15 12:16	VSS
Metals (ICPMS) by Method 6020	WG824777	5	10/27/15 12:14	10/28/15 12:14	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823914	1	10/23/15 11:31	10/25/15 01:17	CLG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/26/15 01:53	10/26/15 01:53	ACG
Wet Chemistry by Method 353.2	WG824554	1	10/28/15 13:31	10/28/15 13:31	ASK
Wet Chemistry by Method 9012B	WG824888	1	10/27/15 17:55	10/28/15 07:02	DR
Wet Chemistry by Method 9056MOD	WG823862	1	10/24/15 03:22	10/24/15 03:22	DJD
Wet Chemistry by Method 9056MOD	WG823862	500	10/24/15 04:34	10/24/15 04:34	DJD

## TRIP BLANK-EP-03 L798587-16 GW

Collected by Greg Scherbenske    Collected date/time 10/19/15 00:00    Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824206	1	10/25/15 23:27	10/25/15 23:27	ACG

## MW-76 L798587-17 GW

Collected by Greg Scherbenske    Collected date/time 10/19/15 09:25    Received date/time 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824142	1	10/24/15 12:04	10/26/15 03:45	MF
Metals (ICPMS) by Method 6020	WG824778	1	10/27/15 13:58	10/27/15 20:03	JD
Metals (ICPMS) by Method 6020	WG824778	20	10/27/15 13:58	10/27/15 20:34	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823923	20	10/22/15 19:12	10/25/15 07:23	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG825076	1	10/28/15 12:04	10/28/15 12:04	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824210	1	10/25/15 14:54	10/25/15 14:54	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824566	1	10/27/15 17:23	10/27/15 17:23	ACG
Wet Chemistry by Method 353.2	WG824959	1	10/28/15 16:09	10/28/15 16:09	ASK
Wet Chemistry by Method 9056MOD	WG823865	1	10/23/15 20:59	10/23/15 20:59	DJD
Wet Chemistry by Method 9056MOD	WG823865	100	10/23/15 22:09	10/23/15 22:09	DJD

# SAMPLE SUMMARY

## MW-77 L798587-18 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 10:15      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824142	1	10/24/15 12:04	10/26/15 03:45	MF
Metals (ICPMS) by Method 6020	WG824778	5	10/27/15 13:58	10/27/15 20:06	JD
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823923	50	10/22/15 19:12	10/26/15 18:20	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824299	1	10/24/15 20:31	10/24/15 20:31	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824210	1	10/25/15 15:12	10/25/15 15:12	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824566	1	10/27/15 17:41	10/27/15 17:41	ACG
Wet Chemistry by Method 353.2	WG824959	1	10/28/15 16:10	10/28/15 16:10	ASK
Wet Chemistry by Method 9056MOD	WG823865	1	10/23/15 21:13	10/23/15 21:13	DJD
Wet Chemistry by Method 9056MOD	WG823865	100	10/23/15 22:23	10/23/15 22:23	DJD

- 1  
Cp
- 2  
Tc
- 3  
Ss
- 4  
Cn
- 5  
Sr
- 6  
Qc
- 7  
Gl
- 8  
Al
- 9  
Sc

## MW-75 L798587-19 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 11:20      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824142	1	10/24/15 12:04	10/26/15 03:45	MF
Metals (ICPMS) by Method 6020	WG824778	1	10/27/15 13:58	10/27/15 20:08	JD
Metals (ICPMS) by Method 6020	WG824778	20	10/27/15 13:58	10/27/15 20:37	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823923	5	10/22/15 19:12	10/26/15 17:20	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824299	1	10/25/15 02:19	10/25/15 02:19	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824210	1	10/25/15 15:29	10/25/15 15:29	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824566	1	10/27/15 17:59	10/27/15 17:59	ACG
Wet Chemistry by Method 353.2	WG823856	1	10/26/15 08:32	10/26/15 08:32	ASK
Wet Chemistry by Method 9056MOD	WG823865	1	10/23/15 21:27	10/23/15 21:27	DJD
Wet Chemistry by Method 9056MOD	WG823865	100	10/23/15 22:37	10/23/15 22:37	DJD

## MW-83 L798587-20 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 12:05      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824142	1	10/24/15 12:04	10/26/15 03:45	MF
Metals (ICPMS) by Method 6020	WG824778	1	10/27/15 13:58	10/27/15 20:10	JD
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823923	20	10/22/15 19:12	10/26/15 18:00	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824299	1	10/25/15 02:44	10/25/15 02:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824210	1	10/25/15 17:46	10/25/15 17:46	ACG
Wet Chemistry by Method 353.2	WG823856	1	10/26/15 08:33	10/26/15 08:33	ASK
Wet Chemistry by Method 9056MOD	WG823865	1	10/23/15 23:18	10/23/15 23:18	DJD
Wet Chemistry by Method 9056MOD	WG823865	100	10/24/15 00:00	10/24/15 00:00	DJD

## MW-3 L798587-21 GW

Collected by  
Greg Scherbenske      Collected date/time  
10/19/15 12:50      Received date/time  
10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824142	1	10/24/15 12:04	10/26/15 03:45	MF
Metals (ICPMS) by Method 6020	WG824778	1	10/27/15 13:58	10/27/15 20:13	JD
Metals (ICPMS) by Method 6020	WG824778	20	10/27/15 13:58	10/27/15 20:39	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823923	5	10/22/15 19:12	10/26/15 15:19	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824299	1	10/25/15 03:09	10/25/15 03:09	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824210	1	10/25/15 18:04	10/25/15 18:04	ACG
Wet Chemistry by Method 353.2	WG823856	1	10/26/15 08:34	10/26/15 08:34	ASK
Wet Chemistry by Method 9056MOD	WG823865	1	10/23/15 23:32	10/23/15 23:32	DJD
Wet Chemistry by Method 9056MOD	WG823865	100	10/24/15 00:14	10/24/15 00:14	DJD

# SAMPLE SUMMARY



MW-4A L798587-22 GW

Collected by: Greg Scherbenske  
 Collected date/time: 10/19/15 14:00  
 Received date/time: 10/21/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG824142	1	10/24/15 12:04	10/26/15 03:45	MF
Metals (ICPMS) by Method 6020	WG824778	1	10/27/15 13:58	10/27/15 20:15	JD
Metals (ICPMS) by Method 6020	WG824778	20	10/27/15 13:58	10/27/15 20:41	VSS
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG823923	5	10/22/15 19:12	10/26/15 17:00	CLG
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG824299	1	10/25/15 03:34	10/25/15 03:34	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG824210	1	10/25/15 18:21	10/25/15 18:21	ACG
Wet Chemistry by Method 353.2	WG823856	1	10/26/15 08:35	10/26/15 08:35	ASK
Wet Chemistry by Method 9056MOD	WG823865	1	10/23/15 23:46	10/23/15 23:46	DJD
Wet Chemistry by Method 9056MOD	WG823865	100	10/24/15 00:28	10/24/15 00:28	DJD

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord  
Technical Service Representative

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6090000		2820	10000	1	10/27/2015 14:30	<a href="#">WG824453</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	441	J	197	1000	10	11/02/2015 22:43	<a href="#">WG825545</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1970000		5190	100000	100	10/27/2015 20:31	<a href="#">WG824303</a>
Fluoride	610		9.90	100	1	10/27/2015 21:43	<a href="#">WG824303</a>
Sulfate	2650000		7740	500000	100	10/27/2015 20:31	<a href="#">WG824303</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	47.9		0.250	2.00	1	10/29/2015 11:56	<a href="#">WG824869</a>
Barium	16.5		0.360	5.00	1	10/29/2015 11:56	<a href="#">WG824869</a>
Calcium	527000		46.0	1000	1	10/29/2015 11:56	<a href="#">WG824869</a>
Chromium	U		0.540	2.00	1	10/29/2015 11:56	<a href="#">WG824869</a>
Iron	4540		15.0	100	1	10/29/2015 11:56	<a href="#">WG824869</a>
Lead	U		0.240	2.00	1	10/29/2015 11:56	<a href="#">WG824869</a>
Manganese	5810		0.250	5.00	1	10/29/2015 11:56	<a href="#">WG824869</a>
Potassium	3650		37.0	1000	1	10/29/2015 11:56	<a href="#">WG824869</a>
Selenium	0.979	J	0.380	2.00	1	10/29/2015 11:56	<a href="#">WG824869</a>
Sodium	1640000		550	5000	5	10/29/2015 13:51	<a href="#">WG824869</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	3310		31.4	100	1	10/27/2015 09:28	<a href="#">WG824603</a>
(S) a, a, a-Trifluorotoluene(FID) 91.7				62.0-128		10/27/2015 09:28	<a href="#">WG824603</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 18:14	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
sec-Butylbenzene	0.479	J	0.365	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 18:14	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 18:14	<a href="#">WG824438</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 18:14	WG824438
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 18:14	WG824438
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 18:14	WG824438
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 18:14	WG824438
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 18:14	WG824438
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 18:14	WG824438
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 18:14	WG824438
Ethylbenzene	U		0.384	1.00	1	10/27/2015 18:14	WG824438
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 18:14	WG824438
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 18:14	WG824438
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 18:14	WG824438
2-Hexanone	U		3.82	10.0	1	10/27/2015 18:14	WG824438
Methylene Chloride	U		1.00	5.00	1	10/27/2015 18:14	WG824438
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 18:14	WG824438
Methyl tert-butyl ether	9.67		0.367	1.00	1	10/27/2015 18:14	WG824438
Naphthalene	U		1.00	5.00	1	10/27/2015 18:14	WG824438
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 18:14	WG824438
Styrene	U		0.307	1.00	1	10/27/2015 18:14	WG824438
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 18:14	WG824438
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 18:14	WG824438
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 18:14	WG824438
Toluene	U		0.780	5.00	1	10/27/2015 18:14	WG824438
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 18:14	WG824438
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 18:14	WG824438
Trichloroethene	U		0.398	1.00	1	10/27/2015 18:14	WG824438
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 18:14	WG824438
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 18:14	WG824438
Vinyl chloride	U		0.259	1.00	1	10/27/2015 18:14	WG824438
o-Xylene	U		0.341	1.00	1	10/27/2015 18:14	WG824438
m&p-Xylene	U		0.719	1.00	1	10/27/2015 18:14	WG824438
Xylenes, Total	U		1.06	3.00	1	10/27/2015 18:14	WG824438
(S) Toluene-d8	111			90.0-115		10/27/2015 18:14	WG824438
(S) Dibromofluoromethane	104			79.0-121		10/27/2015 18:14	WG824438
(S) 4-Bromofluorobenzene	110			80.1-120		10/27/2015 18:14	WG824438

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4460		24.7	100	1	10/26/2015 22:02	WG824380
(S) o-Terphenyl	66.4			50.0-150		10/26/2015 22:02	WG824380



Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	9.17		0.250	2.00	1	10/29/2015 11:58	<a href="#">WG824869</a>
Barium	10.8		0.360	5.00	1	10/29/2015 11:58	<a href="#">WG824869</a>
Calcium	397000		46.0	1000	1	10/29/2015 11:58	<a href="#">WG824869</a>
Chromium	U		0.540	2.00	1	10/29/2015 11:58	<a href="#">WG824869</a>
Iron	26.8	J	15.0	100	1	10/29/2015 11:58	<a href="#">WG824869</a>
Lead	U		0.240	2.00	1	10/29/2015 11:58	<a href="#">WG824869</a>
Manganese	772		0.250	5.00	1	10/29/2015 11:58	<a href="#">WG824869</a>
Potassium	3030		37.0	1000	1	10/29/2015 11:58	<a href="#">WG824869</a>
Selenium	U		0.380	2.00	1	10/29/2015 11:58	<a href="#">WG824869</a>
Sodium	1270000		550	5000	5	10/29/2015 13:53	<a href="#">WG824869</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.4	100	1	10/27/2015 09:50	<a href="#">WG824603</a>
(S) a,a,a-Trifluorotoluene(FID) 90.7				62.0-128		10/27/2015 09:50	<a href="#">WG824603</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 18:35	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
sec-Butylbenzene	U		0.365	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Ethylbenzene	U		0.384	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 18:35	<a href="#">WG824438</a>
2-Hexanone	U		3.82	10.0	1	10/27/2015 18:35	<a href="#">WG824438</a>
Methylene Chloride	U		1.00	5.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 18:35	<a href="#">WG824438</a>
Methyl tert-butyl ether	U		0.367	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Naphthalene	U		1.00	5.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Styrene	U		0.307	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Toluene	U		0.780	5.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Trichloroethene	U		0.398	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Vinyl chloride	U		0.259	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
o-Xylene	U		0.341	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
m&p-Xylene	U		0.719	1.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
Xylenes, Total	U		1.06	3.00	1	10/27/2015 18:35	<a href="#">WG824438</a>
(S) Toluene-d8	110			90.0-115		10/27/2015 18:35	<a href="#">WG824438</a>
(S) Dibromofluoromethane	103			79.0-121		10/27/2015 18:35	<a href="#">WG824438</a>
(S) 4-Bromofluorobenzene	101			80.1-120		10/27/2015 18:35	<a href="#">WG824438</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	455		24.7	100	1	10/26/2015 22:22	<a href="#">WG824380</a>
(S) o-Terphenyl	75.2			50.0-150		10/26/2015 22:22	<a href="#">WG824380</a>



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6330000		2820	10000	1	10/27/2015 14:55	<a href="#">WG824453</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	358	J	197	1000	10	11/02/2015 22:44	<a href="#">WG825545</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1980000		5190	100000	100	10/27/2015 20:45	<a href="#">WG824303</a>
Fluoride	621		9.90	100	1	10/27/2015 21:58	<a href="#">WG824303</a>
Sulfate	2660000		7740	500000	100	10/27/2015 20:45	<a href="#">WG824303</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	48.2		0.250	2.00	1	10/29/2015 12:00	<a href="#">WG824869</a>
Barium	16.6		0.360	5.00	1	10/29/2015 12:00	<a href="#">WG824869</a>
Calcium	529000		46.0	1000	1	10/29/2015 12:00	<a href="#">WG824869</a>
Chromium	U		0.540	2.00	1	10/29/2015 12:00	<a href="#">WG824869</a>
Iron	4620		15.0	100	1	10/29/2015 12:00	<a href="#">WG824869</a>
Lead	U		0.240	2.00	1	10/29/2015 12:00	<a href="#">WG824869</a>
Manganese	5860		0.250	5.00	1	10/29/2015 12:00	<a href="#">WG824869</a>
Potassium	3640		37.0	1000	1	10/29/2015 12:00	<a href="#">WG824869</a>
Selenium	0.966	J	0.380	2.00	1	10/29/2015 12:00	<a href="#">WG824869</a>
Sodium	1480000		550	5000	5	10/29/2015 13:56	<a href="#">WG824869</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	3630		157	500	5	10/27/2015 10:12	<a href="#">WG824603</a>
(S) a,a,a-Trifluorotoluene(FID) 90.9				62.0-128		10/27/2015 10:12	<a href="#">WG824603</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 18:56	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
sec-Butylbenzene	0.428	J	0.365	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 18:56	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 18:56	<a href="#">WG824438</a>



Collected date/time: 10/20/15 09:40

L798587

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 18:56	WG824438
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 18:56	WG824438
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 18:56	WG824438
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 18:56	WG824438
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 18:56	WG824438
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 18:56	WG824438
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 18:56	WG824438
Ethylbenzene	U		0.384	1.00	1	10/27/2015 18:56	WG824438
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 18:56	WG824438
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 18:56	WG824438
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 18:56	WG824438
2-Hexanone	U		3.82	10.0	1	10/27/2015 18:56	WG824438
Methylene Chloride	U		1.00	5.00	1	10/27/2015 18:56	WG824438
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 18:56	WG824438
Methyl tert-butyl ether	9.28		0.367	1.00	1	10/27/2015 18:56	WG824438
Naphthalene	U		1.00	5.00	1	10/27/2015 18:56	WG824438
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 18:56	WG824438
Styrene	U		0.307	1.00	1	10/27/2015 18:56	WG824438
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 18:56	WG824438
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 18:56	WG824438
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 18:56	WG824438
Toluene	U		0.780	5.00	1	10/27/2015 18:56	WG824438
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 18:56	WG824438
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 18:56	WG824438
Trichloroethene	U		0.398	1.00	1	10/27/2015 18:56	WG824438
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 18:56	WG824438
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 18:56	WG824438
Vinyl chloride	U		0.259	1.00	1	10/27/2015 18:56	WG824438
o-Xylene	U		0.341	1.00	1	10/27/2015 18:56	WG824438
m&p-Xylene	U		0.719	1.00	1	10/27/2015 18:56	WG824438
Xylenes, Total	U		1.06	3.00	1	10/27/2015 18:56	WG824438
(S) Toluene-d8	112			90.0-115		10/27/2015 18:56	WG824438
(S) Dibromofluoromethane	102			79.0-121		10/27/2015 18:56	WG824438
(S) 4-Bromofluorobenzene	103			80.1-120		10/27/2015 18:56	WG824438

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4560		24.7	100	1	10/26/2015 22:43	WG824380
(S) o-Terphenyl	65.4			50.0-150		10/26/2015 22:43	WG824380



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	5340000		2820	10000	1	10/27/2015 14:56	<a href="#">WG824453</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	280	J	197	1000	10	11/02/2015 22:45	<a href="#">WG825545</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1580000		5190	100000	100	10/27/2015 22:55	<a href="#">WG824303</a>
Fluoride	783		9.90	100	1	10/27/2015 22:12	<a href="#">WG824303</a>
Sulfate	2620000		7740	500000	100	10/27/2015 22:55	<a href="#">WG824303</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	17.3		0.250	2.00	1	10/29/2015 12:02	<a href="#">WG824869</a>
Barium	12.4		0.360	5.00	1	10/29/2015 12:02	<a href="#">WG824869</a>
Calcium	518000		46.0	1000	1	10/29/2015 12:02	<a href="#">WG824869</a>
Chromium	U		0.540	2.00	1	10/29/2015 12:02	<a href="#">WG824869</a>
Iron	57.0	J	15.0	100	1	10/29/2015 12:02	<a href="#">WG824869</a>
Lead	U		0.240	2.00	1	10/29/2015 12:02	<a href="#">WG824869</a>
Manganese	2550		0.250	5.00	1	10/29/2015 12:02	<a href="#">WG824869</a>
Potassium	3680		37.0	1000	1	10/29/2015 12:02	<a href="#">WG824869</a>
Selenium	U		0.380	2.00	1	10/29/2015 12:02	<a href="#">WG824869</a>
Sodium	1080000		220	2000	2	10/29/2015 14:04	<a href="#">WG824869</a>

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	730		31.4	100	1	10/29/2015 01:27	<a href="#">WG825223</a>
(S) a, a, a-Trifluorotoluene(FID) 92.9				62.0-128		10/29/2015 01:27	<a href="#">WG825223</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/27/2015 19:18	<a href="#">WG824438</a>
Benzene	U		0.331	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Bromodichloromethane	U		0.380	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Bromoform	U		0.469	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Bromomethane	U		0.866	5.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
n-Butylbenzene	U		0.361	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
sec-Butylbenzene	U		0.365	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Carbon tetrachloride	U		0.379	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Chlorobenzene	U		0.348	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Chlorodibromomethane	U		0.327	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Chloroethane	U		0.453	5.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Chloroform	U		0.324	5.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
Chloromethane	U		0.276	2.50	1	10/27/2015 19:18	<a href="#">WG824438</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/27/2015 19:18	<a href="#">WG824438</a>





Collected date/time: 10/20/15 10:45

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## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/27/2015 19:18	WG824438
1,1-Dichloroethene	U		0.398	1.00	1	10/27/2015 19:18	WG824438
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/27/2015 19:18	WG824438
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/27/2015 19:18	WG824438
1,2-Dichloropropane	U		0.306	1.00	1	10/27/2015 19:18	WG824438
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/27/2015 19:18	WG824438
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/27/2015 19:18	WG824438
Ethylbenzene	U		0.384	1.00	1	10/27/2015 19:18	WG824438
Isopropylbenzene	U		0.326	1.00	1	10/27/2015 19:18	WG824438
p-Isopropyltoluene	U		0.350	1.00	1	10/27/2015 19:18	WG824438
2-Butanone (MEK)	U		3.93	10.0	1	10/27/2015 19:18	WG824438
2-Hexanone	U		3.82	10.0	1	10/27/2015 19:18	WG824438
Methylene Chloride	U		1.00	5.00	1	10/27/2015 19:18	WG824438
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/27/2015 19:18	WG824438
Methyl tert-butyl ether	2.01		0.367	1.00	1	10/27/2015 19:18	WG824438
Naphthalene	U		1.00	5.00	1	10/27/2015 19:18	WG824438
n-Propylbenzene	U		0.349	1.00	1	10/27/2015 19:18	WG824438
Styrene	U		0.307	1.00	1	10/27/2015 19:18	WG824438
1,1,1,2-Tetrachloroethane	U	*	0.385	1.00	1	10/27/2015 19:18	WG824438
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/27/2015 19:18	WG824438
Tetrachloroethene	U		0.372	1.00	1	10/27/2015 19:18	WG824438
Toluene	U		0.780	5.00	1	10/27/2015 19:18	WG824438
1,1,1-Trichloroethane	U		0.319	1.00	1	10/27/2015 19:18	WG824438
1,1,2-Trichloroethane	U		0.383	1.00	1	10/27/2015 19:18	WG824438
Trichloroethene	U		0.398	1.00	1	10/27/2015 19:18	WG824438
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/27/2015 19:18	WG824438
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/27/2015 19:18	WG824438
Vinyl chloride	U		0.259	1.00	1	10/27/2015 19:18	WG824438
o-Xylene	U		0.341	1.00	1	10/27/2015 19:18	WG824438
m&p-Xylene	U		0.719	1.00	1	10/27/2015 19:18	WG824438
Xylenes, Total	U		1.06	3.00	1	10/27/2015 19:18	WG824438
(S) Toluene-d8	111			90.0-115		10/27/2015 19:18	WG824438
(S) Dibromofluoromethane	104			79.0-121		10/27/2015 19:18	WG824438
(S) 4-Bromofluorobenzene	100			80.1-120		10/27/2015 19:18	WG824438

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1790		24.7	100	1	10/26/2015 23:03	WG824380
(S) o-Terphenyl	67.1			50.0-150		10/26/2015 23:03	WG824380



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	5490000		2820	10000	1	10/27/2015 14:18	<a href="#">WG824454</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	270	J	197	1000	10	11/02/2015 22:46	<a href="#">WG825545</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1710000		5190	100000	100	10/28/2015 17:20	<a href="#">WG824952</a>
Fluoride	1110		9.90	100	1	10/29/2015 17:00	<a href="#">WG825183</a>
Sulfate	2360000		7740	500000	100	10/28/2015 17:20	<a href="#">WG824952</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	25.0		0.250	2.00	1	10/29/2015 12:05	<a href="#">WG824869</a>
Barium	22.6		0.360	5.00	1	10/29/2015 12:05	<a href="#">WG824869</a>
Calcium	527000		46.0	1000	1	10/29/2015 12:05	<a href="#">WG824869</a>
Chromium	U		0.540	2.00	1	10/29/2015 12:05	<a href="#">WG824869</a>
Iron	65.7	J	15.0	100	1	10/29/2015 12:05	<a href="#">WG824869</a>
Lead	0.254	J	0.240	2.00	1	10/29/2015 12:05	<a href="#">WG824869</a>
Manganese	2720		0.250	5.00	1	10/29/2015 12:05	<a href="#">WG824869</a>
Potassium	3710		37.0	1000	1	10/29/2015 12:05	<a href="#">WG824869</a>
Selenium	U		0.380	2.00	1	10/29/2015 12:05	<a href="#">WG824869</a>
Sodium	1190000		550	5000	5	10/29/2015 14:07	<a href="#">WG824869</a>

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	1240		31.4	100	1	10/27/2015 09:05	<a href="#">WG824603</a>
(S) a, a, a-Trifluorotoluene(FID)	91.4			62.0-128		10/27/2015 09:05	<a href="#">WG824603</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/29/2015 02:57	<a href="#">WG825269</a>
Benzene	U		0.331	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Bromodichloromethane	U		0.380	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Bromoform	U		0.469	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Bromomethane	U		0.866	5.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
n-Butylbenzene	U		0.361	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
sec-Butylbenzene	U		0.365	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Carbon disulfide	U		0.275	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Carbon tetrachloride	U		0.379	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Chlorobenzene	U		0.348	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Chlorodibromomethane	U		0.327	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Chloroethane	U		0.453	5.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Chloroform	U		0.324	5.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Chloromethane	U		0.276	2.50	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>

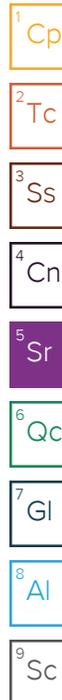


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## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Ethylbenzene	U		0.384	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Isopropylbenzene	U		0.326	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/29/2015 02:57	<a href="#">WG825269</a>
2-Hexanone	U		3.82	10.0	1	10/29/2015 02:57	<a href="#">WG825269</a>
Methylene Chloride	U		1.00	5.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/29/2015 02:57	<a href="#">WG825269</a>
Methyl tert-butyl ether	1.26		0.367	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Naphthalene	U		1.00	5.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
n-Propylbenzene	U		0.349	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Styrene	U		0.307	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Tetrachloroethene	U		0.372	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Toluene	U		0.780	5.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Trichloroethene	U		0.398	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Vinyl chloride	U		0.259	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
o-Xylene	U		0.341	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
m&p-Xylene	U		0.719	1.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
Xylenes, Total	U		1.06	3.00	1	10/29/2015 02:57	<a href="#">WG825269</a>
(S) Toluene-d8	109			90.0-115		10/29/2015 02:57	<a href="#">WG825269</a>
(S) Dibromofluoromethane	103			79.0-121		10/29/2015 02:57	<a href="#">WG825269</a>
(S) 4-Bromofluorobenzene	106			80.1-120		10/29/2015 02:57	<a href="#">WG825269</a>



## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2130		24.7	100	1	10/26/2015 23:23	<a href="#">WG824380</a>
(S) o-Terphenyl	69.7			50.0-150		10/26/2015 23:23	<a href="#">WG824380</a>



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	7100000		2820	10000	1	10/26/2015 12:14	<a href="#">WG823730</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		19.7	100	1	10/28/2015 13:23	<a href="#">WG824554</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2470000		5190	100000	100	10/24/2015 13:58	<a href="#">WG824149</a>
Fluoride	1080		9.90	100	1	10/24/2015 16:03	<a href="#">WG824149</a>
Sulfate	4020000		7740	500000	100	10/24/2015 13:58	<a href="#">WG824149</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	25.5		0.250	2.00	1	10/28/2015 10:54	<a href="#">WG824777</a>
Barium	15.5		0.360	5.00	1	10/28/2015 10:54	<a href="#">WG824777</a>
Calcium	403000		46.0	1000	1	10/28/2015 10:54	<a href="#">WG824777</a>
Chromium	1.16	J	0.540	2.00	1	10/28/2015 10:54	<a href="#">WG824777</a>
Iron	2860		15.0	100	1	10/28/2015 10:54	<a href="#">WG824777</a>
Lead	0.494	J	0.240	2.00	1	10/28/2015 10:54	<a href="#">WG824777</a>
Manganese	632		0.250	5.00	1	10/28/2015 10:54	<a href="#">WG824777</a>
Potassium	3960		37.0	1000	1	10/28/2015 10:54	<a href="#">WG824777</a>
Selenium	0.638	J	0.380	2.00	1	10/28/2015 10:54	<a href="#">WG824777</a>
Sodium	1590000		550	5000	5	10/28/2015 12:05	<a href="#">WG824777</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	347		31.4	100	1	10/27/2015 12:01	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 97.1				62.0-128		10/27/2015 12:01	<a href="#">WG823733</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 22:24	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Chloroform	U		0.324	5.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 22:24	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 22:24	<a href="#">WG824206</a>



Collected date/time: 10/19/15 16:05

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## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 22:24	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 22:24	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 22:24	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 22:24	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 22:24	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 22:24	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 22:24	WG824206
Ethylbenzene	U		0.384	1.00	1	10/25/2015 22:24	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/25/2015 22:24	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 22:24	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 22:24	WG824206
2-Hexanone	U		3.82	10.0	1	10/25/2015 22:24	WG824206
Methylene Chloride	U		1.00	5.00	1	10/25/2015 22:24	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 22:24	WG824206
Methyl tert-butyl ether	1.75		0.367	1.00	1	10/25/2015 22:24	WG824206
Naphthalene	U		1.00	5.00	1	10/25/2015 22:24	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/25/2015 22:24	WG824206
Styrene	U		0.307	1.00	1	10/25/2015 22:24	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 22:24	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 22:24	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 22:24	WG824206
Toluene	U		0.780	5.00	1	10/25/2015 22:24	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 22:24	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 22:24	WG824206
Trichloroethene	U		0.398	1.00	1	10/25/2015 22:24	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/25/2015 22:24	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 22:24	WG824206
Vinyl chloride	U		0.259	1.00	1	10/25/2015 22:24	WG824206
o-Xylene	U		0.341	1.00	1	10/25/2015 22:24	WG824206
m&p-Xylene	U		0.719	1.00	1	10/25/2015 22:24	WG824206
Xylenes, Total	U		1.06	3.00	1	10/25/2015 22:24	WG824206
(S) Toluene-d8	106			90.0-115		10/25/2015 22:24	WG824206
(S) Dibromofluoromethane	102			79.0-121		10/25/2015 22:24	WG824206
(S) 4-Bromofluorobenzene	98.2			80.1-120		10/25/2015 22:24	WG824206

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1060		24.7	100	1	10/24/2015 21:32	WG823914
(S) o-Terphenyl	75.0			50.0-150		10/24/2015 21:32	WG823914



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	7180000		2820	10000	1	10/26/2015 12:14	<a href="#">WG823730</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		19.7	100	1	10/28/2015 13:24	<a href="#">WG824554</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2230000		5190	100000	100	10/24/2015 02:10	<a href="#">WG823862</a>
Fluoride	1120		9.90	100	1	10/23/2015 23:49	<a href="#">WG823862</a>
Sulfate	3150000		7740	500000	100	10/24/2015 02:10	<a href="#">WG823862</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	25.3		0.250	2.00	1	10/28/2015 10:56	<a href="#">WG824777</a>
Barium	15.9		0.360	5.00	1	10/28/2015 10:56	<a href="#">WG824777</a>
Calcium	404000		46.0	1000	1	10/28/2015 10:56	<a href="#">WG824777</a>
Chromium	1.14	J	0.540	2.00	1	10/28/2015 10:56	<a href="#">WG824777</a>
Iron	2860		15.0	100	1	10/28/2015 10:56	<a href="#">WG824777</a>
Lead	0.524	J	0.240	2.00	1	10/28/2015 10:56	<a href="#">WG824777</a>
Manganese	629		0.250	5.00	1	10/28/2015 10:56	<a href="#">WG824777</a>
Potassium	3950		37.0	1000	1	10/28/2015 10:56	<a href="#">WG824777</a>
Selenium	0.647	J	0.380	2.00	1	10/28/2015 10:56	<a href="#">WG824777</a>
Sodium	1690000		550	5000	5	10/28/2015 12:07	<a href="#">WG824777</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	417		31.4	100	1	10/27/2015 12:23	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 97.1				62.0-128		10/27/2015 12:23	<a href="#">WG823733</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 00:50	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Chloroform	U		0.324	5.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 00:50	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 00:50	<a href="#">WG824206</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 00:50	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 00:50	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 00:50	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 00:50	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 00:50	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 00:50	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 00:50	WG824206
Ethylbenzene	U		0.384	1.00	1	10/26/2015 00:50	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 00:50	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 00:50	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 00:50	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 00:50	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 00:50	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 00:50	WG824206
Methyl tert-butyl ether	1.74		0.367	1.00	1	10/26/2015 00:50	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 00:50	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 00:50	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 00:50	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 00:50	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 00:50	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 00:50	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 00:50	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 00:50	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 00:50	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 00:50	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 00:50	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 00:50	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 00:50	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 00:50	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 00:50	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 00:50	WG824206
(S) Toluene-d8	106			90.0-115		10/26/2015 00:50	WG824206
(S) Dibromofluoromethane	103			79.0-121		10/26/2015 00:50	WG824206
(S) 4-Bromofluorobenzene	101			80.1-120		10/26/2015 00:50	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1130		24.7	100	1	10/24/2015 21:52	WG823914
(S) o-Terphenyl	76.8			50.0-150		10/24/2015 21:52	WG823914



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	11900000		2820	10000	1	10/26/2015 12:07	<a href="#">WG823730</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		19.7	100	1	10/28/2015 13:25	<a href="#">WG824554</a>

## Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	10/28/2015 07:00	<a href="#">WG824888</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5140000		5190	100000	100	10/24/2015 02:24	<a href="#">WG823862</a>
Fluoride	1360		9.90	100	1	10/24/2015 00:03	<a href="#">WG823862</a>
Sulfate	3690000		7740	500000	100	10/24/2015 02:24	<a href="#">WG823862</a>

## Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U	<u>F</u>	0.0490	0.200	1	10/22/2015 17:24	<a href="#">WG823720</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	62.2		0.250	2.00	1	10/28/2015 10:59	<a href="#">WG824777</a>
Barium	28.7		0.360	5.00	1	10/28/2015 10:59	<a href="#">WG824777</a>
Calcium	946000		230	5000	5	10/28/2015 12:09	<a href="#">WG824777</a>
Chromium	0.787	<u>J</u>	0.540	2.00	1	10/28/2015 10:59	<a href="#">WG824777</a>
Iron	9700		15.0	100	1	10/28/2015 10:59	<a href="#">WG824777</a>
Lead	0.380	<u>J</u>	0.240	2.00	1	10/28/2015 10:59	<a href="#">WG824777</a>
Manganese	4110		0.250	5.00	1	10/28/2015 10:59	<a href="#">WG824777</a>
Nickel	47.1		0.350	2.00	1	10/28/2015 10:59	<a href="#">WG824777</a>
Potassium	11000		37.0	1000	1	10/28/2015 10:59	<a href="#">WG824777</a>
Selenium	0.836	<u>J</u>	0.380	2.00	1	10/28/2015 10:59	<a href="#">WG824777</a>
Sodium	2870000		1100	10000	10	10/28/2015 13:20	<a href="#">WG824777</a>
Vanadium	2.31	<u>J</u>	0.180	5.00	1	10/28/2015 10:59	<a href="#">WG824777</a>

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	648		31.4	100	1	10/27/2015 12:45	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 96.9				62.0-128		10/27/2015 12:45	<a href="#">WG823733</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 01:11	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 01:11	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 01:11	<a href="#">WG824206</a>



Collected date/time: 10/19/15 17:20

L798587

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Bromoform	U		0.469	1.00	1	10/26/2015 01:11	WG824206	1 Cp
Bromomethane	U		0.866	5.00	1	10/26/2015 01:11	WG824206	2 Tc
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 01:11	WG824206	
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 01:11	WG824206	3 Ss
Carbon disulfide	U		0.275	1.00	1	10/26/2015 01:11	WG824206	
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 01:11	WG824206	4 Cn
Chlorobenzene	U		0.348	1.00	1	10/26/2015 01:11	WG824206	
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 01:11	WG824206	
Chloroethane	U		0.453	5.00	1	10/26/2015 01:11	WG824206	5 Sr
Chloroform	U		0.324	5.00	1	10/26/2015 01:11	WG824206	
Chloromethane	U		0.276	2.50	1	10/26/2015 01:11	WG824206	6 Qc
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 01:11	WG824206	
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 01:11	WG824206	
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 01:11	WG824206	7 Gl
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 01:11	WG824206	
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 01:11	WG824206	
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 01:11	WG824206	8 Al
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 01:11	WG824206	
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 01:11	WG824206	
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 01:11	WG824206	9 Sc
Ethylbenzene	U		0.384	1.00	1	10/26/2015 01:11	WG824206	
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 01:11	WG824206	
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 01:11	WG824206	
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 01:11	WG824206	
2-Hexanone	U		3.82	10.0	1	10/26/2015 01:11	WG824206	
Methylene Chloride	U		1.00	5.00	1	10/26/2015 01:11	WG824206	
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 01:11	WG824206	
Methyl tert-butyl ether	5.10		0.367	1.00	1	10/26/2015 01:11	WG824206	
Naphthalene	U		1.00	5.00	1	10/26/2015 01:11	WG824206	
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 01:11	WG824206	
Styrene	U		0.307	1.00	1	10/26/2015 01:11	WG824206	
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 01:11	WG824206	
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 01:11	WG824206	
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 01:11	WG824206	
Toluene	U		0.780	5.00	1	10/26/2015 01:11	WG824206	
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 01:11	WG824206	
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 01:11	WG824206	
Trichloroethene	U		0.398	1.00	1	10/26/2015 01:11	WG824206	
1,2,4-Trimethylbenzene	0.454	J	0.373	1.00	1	10/26/2015 01:11	WG824206	
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 01:11	WG824206	
Vinyl chloride	U		0.259	1.00	1	10/26/2015 01:11	WG824206	
o-Xylene	U		0.341	1.00	1	10/26/2015 01:11	WG824206	
m&p-Xylene	U		0.719	1.00	1	10/26/2015 01:11	WG824206	
Xylenes, Total	U		1.06	3.00	1	10/26/2015 01:11	WG824206	
(S) Toluene-d8	106			90.0-115		10/26/2015 01:11	WG824206	
(S) Dibromofluoromethane	101			79.0-121		10/26/2015 01:11	WG824206	
(S) 4-Bromofluorobenzene	98.6			80.1-120		10/26/2015 01:11	WG824206	

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2740		24.7	100	1	10/24/2015 22:13	WG823914
(S) o-Terphenyl	88.7			50.0-150		10/24/2015 22:13	WG823914



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6480000		2820	10000	1	10/26/2015 12:07	<a href="#">WG823730</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	58.0	J	19.7	100	1	10/28/2015 13:26	<a href="#">WG824554</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1920000		5190	100000	100	10/24/2015 02:39	<a href="#">WG823862</a>
Fluoride	1840		9.90	100	1	10/24/2015 00:17	<a href="#">WG823862</a>
Sulfate	2730000		7740	500000	100	10/24/2015 02:39	<a href="#">WG823862</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	28.1		0.250	2.00	1	10/28/2015 11:06	<a href="#">WG824777</a>
Barium	15.8		0.360	5.00	1	10/28/2015 11:06	<a href="#">WG824777</a>
Calcium	636000		230	5000	5	10/28/2015 12:12	<a href="#">WG824777</a>
Chromium	1.07	J	0.540	2.00	1	10/28/2015 11:06	<a href="#">WG824777</a>
Iron	559		15.0	100	1	10/28/2015 11:06	<a href="#">WG824777</a>
Lead	0.371	J	0.240	2.00	1	10/28/2015 11:06	<a href="#">WG824777</a>
Manganese	1330		0.250	5.00	1	10/28/2015 11:06	<a href="#">WG824777</a>
Potassium	7110		37.0	1000	1	10/28/2015 11:06	<a href="#">WG824777</a>
Selenium	8.04		0.380	2.00	1	10/28/2015 11:06	<a href="#">WG824777</a>
Sodium	1210000		550	5000	5	10/28/2015 12:12	<a href="#">WG824777</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	839		31.4	100	1	10/27/2015 13:07	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 97.6				62.0-128		10/27/2015 13:07	<a href="#">WG823733</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 01:32	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Chloroform	U		0.324	5.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 01:32	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 01:32	<a href="#">WG824206</a>



Collected date/time: 10/19/15 10:00

L798587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 01:32	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 01:32	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 01:32	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 01:32	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 01:32	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 01:32	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 01:32	WG824206
Ethylbenzene	U		0.384	1.00	1	10/26/2015 01:32	WG824206
Isopropylbenzene	1.99		0.326	1.00	1	10/26/2015 01:32	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 01:32	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 01:32	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 01:32	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 01:32	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 01:32	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/26/2015 01:32	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 01:32	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 01:32	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 01:32	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 01:32	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 01:32	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 01:32	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 01:32	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 01:32	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 01:32	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 01:32	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 01:32	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 01:32	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 01:32	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 01:32	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 01:32	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 01:32	WG824206
(S) Toluene-d8	105			90.0-115		10/26/2015 01:32	WG824206
(S) Dibromofluoromethane	102			79.0-121		10/26/2015 01:32	WG824206
(S) 4-Bromofluorobenzene	98.1			80.1-120		10/26/2015 01:32	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	10200		124	500	5	10/26/2015 15:39	WG823914
(S) o-Terphenyl	83.0			50.0-150		10/26/2015 15:39	WG823914



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	U		2820	10000	1	10/26/2015 12:18	<a href="#">WG823730</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		19.7	100	1	10/28/2015 13:27	<a href="#">WG824554</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	122	* J	51.9	1000	1	10/24/2015 00:32	<a href="#">WG823862</a>
Fluoride	U		9.90	100	1	10/24/2015 00:32	<a href="#">WG823862</a>
Sulfate	1970	* J	77.4	5000	1	10/24/2015 00:32	<a href="#">WG823862</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	0.645	J	0.250	2.00	1	10/28/2015 11:08	<a href="#">WG824777</a>
Barium	0.928	J	0.360	5.00	1	10/28/2015 11:08	<a href="#">WG824777</a>
Calcium	174	J	46.0	1000	1	10/28/2015 11:08	<a href="#">WG824777</a>
Chromium	U		0.540	2.00	1	10/28/2015 11:08	<a href="#">WG824777</a>
Iron	U		15.0	100	1	10/28/2015 11:08	<a href="#">WG824777</a>
Lead	U		0.240	2.00	1	10/28/2015 11:08	<a href="#">WG824777</a>
Manganese	0.901	J	0.250	5.00	1	10/28/2015 11:08	<a href="#">WG824777</a>
Potassium	U		37.0	1000	1	10/28/2015 11:08	<a href="#">WG824777</a>
Selenium	U		0.380	2.00	1	10/28/2015 11:08	<a href="#">WG824777</a>
Sodium	956	J	110	1000	1	10/28/2015 11:08	<a href="#">WG824777</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.4	100	1	10/27/2015 13:29	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 98.2				62.0-128		10/27/2015 13:29	<a href="#">WG823733</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 23:48	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Chloroform	1.88	J	0.324	5.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 23:48	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 23:48	<a href="#">WG824206</a>



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 23:48	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 23:48	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 23:48	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 23:48	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 23:48	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 23:48	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 23:48	WG824206
Ethylbenzene	U		0.384	1.00	1	10/25/2015 23:48	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/25/2015 23:48	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 23:48	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 23:48	WG824206
2-Hexanone	U		3.82	10.0	1	10/25/2015 23:48	WG824206
Methylene Chloride	U		1.00	5.00	1	10/25/2015 23:48	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 23:48	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/25/2015 23:48	WG824206
Naphthalene	U		1.00	5.00	1	10/25/2015 23:48	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/25/2015 23:48	WG824206
Styrene	U		0.307	1.00	1	10/25/2015 23:48	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 23:48	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 23:48	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 23:48	WG824206
Toluene	U		0.780	5.00	1	10/25/2015 23:48	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 23:48	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 23:48	WG824206
Trichloroethene	U		0.398	1.00	1	10/25/2015 23:48	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/25/2015 23:48	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 23:48	WG824206
Vinyl chloride	U		0.259	1.00	1	10/25/2015 23:48	WG824206
o-Xylene	U		0.341	1.00	1	10/25/2015 23:48	WG824206
m&p-Xylene	U		0.719	1.00	1	10/25/2015 23:48	WG824206
Xylenes, Total	U		1.06	3.00	1	10/25/2015 23:48	WG824206
(S) Toluene-d8	105			90.0-115		10/25/2015 23:48	WG824206
(S) Dibromofluoromethane	103			79.0-121		10/25/2015 23:48	WG824206
(S) 4-Bromofluorobenzene	95.7			80.1-120		10/25/2015 23:48	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	38.3	J	24.7	100	1	10/24/2015 22:54	WG823914
(S) o-Terphenyl	71.1			50.0-150		10/24/2015 22:54	WG823914



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	12.3	J	10.0	50.0	1	10/25/2015 22:45	WG824206
Benzene	U		0.331	1.00	1	10/25/2015 22:45	WG824206
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 22:45	WG824206
Bromoform	U		0.469	1.00	1	10/25/2015 22:45	WG824206
Bromomethane	U		0.866	5.00	1	10/25/2015 22:45	WG824206
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 22:45	WG824206
sec-Butylbenzene	U		0.365	1.00	1	10/25/2015 22:45	WG824206
Carbon disulfide	U		0.275	1.00	1	10/25/2015 22:45	WG824206
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 22:45	WG824206
Chlorobenzene	U		0.348	1.00	1	10/25/2015 22:45	WG824206
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 22:45	WG824206
Chloroethane	U		0.453	5.00	1	10/25/2015 22:45	WG824206
Chloroform	U		0.324	5.00	1	10/25/2015 22:45	WG824206
Chloromethane	U		0.276	2.50	1	10/25/2015 22:45	WG824206
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 22:45	WG824206
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 22:45	WG824206
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 22:45	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 22:45	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 22:45	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 22:45	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 22:45	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 22:45	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 22:45	WG824206
Ethylbenzene	U		0.384	1.00	1	10/25/2015 22:45	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/25/2015 22:45	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 22:45	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 22:45	WG824206
2-Hexanone	U		3.82	10.0	1	10/25/2015 22:45	WG824206
Methylene Chloride	U		1.00	5.00	1	10/25/2015 22:45	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 22:45	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/25/2015 22:45	WG824206
Naphthalene	U		1.00	5.00	1	10/25/2015 22:45	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/25/2015 22:45	WG824206
Styrene	U		0.307	1.00	1	10/25/2015 22:45	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 22:45	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 22:45	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 22:45	WG824206
Toluene	U		0.780	5.00	1	10/25/2015 22:45	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 22:45	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 22:45	WG824206
Trichloroethene	U		0.398	1.00	1	10/25/2015 22:45	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/25/2015 22:45	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 22:45	WG824206
Vinyl chloride	U		0.259	1.00	1	10/25/2015 22:45	WG824206
o-Xylene	U		0.341	1.00	1	10/25/2015 22:45	WG824206
m&p-Xylene	U		0.719	1.00	1	10/25/2015 22:45	WG824206
Xylenes, Total	U		1.06	3.00	1	10/25/2015 22:45	WG824206
(S) Toluene-d8	104			90.0-115		10/25/2015 22:45	WG824206
(S) Dibromofluoromethane	99.5			79.0-121		10/25/2015 22:45	WG824206
(S) 4-Bromofluorobenzene	98.0			80.1-120		10/25/2015 22:45	WG824206

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	U		2820	10000	1	10/24/2015 14:55	<a href="#">WG823732</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		19.7	100	1	10/28/2015 13:29	<a href="#">WG824554</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		51.9	1000	1	10/24/2015 01:01	<a href="#">WG823862</a>
Fluoride	U		9.90	100	1	10/24/2015 01:01	<a href="#">WG823862</a>
Sulfate	U		77.4	5000	1	10/24/2015 01:01	<a href="#">WG823862</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	U		0.250	2.00	1	10/28/2015 11:11	<a href="#">WG824777</a>
Barium	1.53	J	0.360	5.00	1	10/28/2015 11:11	<a href="#">WG824777</a>
Calcium	295	J	46.0	1000	1	10/28/2015 11:11	<a href="#">WG824777</a>
Chromium	0.865	J	0.540	2.00	1	10/28/2015 11:11	<a href="#">WG824777</a>
Iron	U		15.0	100	1	10/28/2015 11:11	<a href="#">WG824777</a>
Lead	1.54	J	0.240	2.00	1	10/28/2015 11:11	<a href="#">WG824777</a>
Manganese	0.852	J	0.250	5.00	1	10/28/2015 11:11	<a href="#">WG824777</a>
Potassium	U		37.0	1000	1	10/28/2015 11:11	<a href="#">WG824777</a>
Selenium	U		0.380	2.00	1	10/28/2015 11:11	<a href="#">WG824777</a>
Sodium	758	J	110	1000	1	10/28/2015 11:11	<a href="#">WG824777</a>

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.4	100	1	10/27/2015 13:51	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 97.5				62.0-128		10/27/2015 13:51	<a href="#">WG823733</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 00:09	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Chloroform	5.43		0.324	5.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 00:09	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 00:09	<a href="#">WG824206</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 00:09	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 00:09	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 00:09	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 00:09	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 00:09	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 00:09	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 00:09	WG824206
Ethylbenzene	U		0.384	1.00	1	10/26/2015 00:09	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 00:09	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 00:09	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 00:09	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 00:09	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 00:09	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 00:09	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/26/2015 00:09	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 00:09	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 00:09	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 00:09	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 00:09	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 00:09	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 00:09	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 00:09	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 00:09	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 00:09	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 00:09	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 00:09	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 00:09	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 00:09	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 00:09	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 00:09	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 00:09	WG824206
(S) Toluene-d8	107			90.0-115		10/26/2015 00:09	WG824206
(S) Dibromofluoromethane	103			79.0-121		10/26/2015 00:09	WG824206
(S) 4-Bromofluorobenzene	97.2			80.1-120		10/26/2015 00:09	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	26.0	J	24.7	100	1	10/24/2015 23:14	WG823914
(S) o-Terphenyl	54.1			50.0-150		10/24/2015 23:14	WG823914



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	U		2820	10000	1	10/24/2015 15:03	<a href="#">WG823732</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		19.7	100	1	10/28/2015 13:30	<a href="#">WG824554</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		51.9	1000	1	10/24/2015 01:56	<a href="#">WG823862</a>
Fluoride	U		9.90	100	1	10/24/2015 01:56	<a href="#">WG823862</a>
Sulfate	U		77.4	5000	1	10/24/2015 01:56	<a href="#">WG823862</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	0.621	J	0.250	2.00	1	10/28/2015 10:45	<a href="#">WG824777</a>
Barium	1.37	J	0.360	5.00	1	10/28/2015 10:45	<a href="#">WG824777</a>
Calcium	447	J	46.0	1000	1	10/28/2015 10:45	<a href="#">WG824777</a>
Chromium	U		0.540	2.00	1	10/28/2015 10:45	<a href="#">WG824777</a>
Iron	U		15.0	100	1	10/28/2015 10:45	<a href="#">WG824777</a>
Lead	U		0.240	2.00	1	10/28/2015 10:45	<a href="#">WG824777</a>
Manganese	0.759	J	0.250	5.00	1	10/28/2015 10:45	<a href="#">WG824777</a>
Potassium	U		37.0	1000	1	10/28/2015 10:45	<a href="#">WG824777</a>
Selenium	U		0.380	2.00	1	10/28/2015 10:45	<a href="#">WG824777</a>
Sodium	489	J	110	1000	1	10/28/2015 10:45	<a href="#">WG824777</a>

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	U		31.4	100	1	10/27/2015 14:13	<a href="#">WG823733</a>
(S) a, a, a-Trifluorotoluene(FID) 97.8				62.0-128		10/27/2015 14:13	<a href="#">WG823733</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 00:30	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Chloroethane	U		0.453	5.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Chloroform	2.25	J	0.324	5.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
Chloromethane	U		0.276	2.50	1	10/26/2015 00:30	<a href="#">WG824206</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 00:30	<a href="#">WG824206</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 00:30	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 00:30	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 00:30	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 00:30	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 00:30	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 00:30	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 00:30	WG824206
Ethylbenzene	U		0.384	1.00	1	10/26/2015 00:30	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 00:30	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 00:30	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 00:30	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 00:30	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 00:30	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 00:30	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/26/2015 00:30	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 00:30	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 00:30	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 00:30	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 00:30	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 00:30	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 00:30	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 00:30	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 00:30	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 00:30	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 00:30	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 00:30	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 00:30	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 00:30	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 00:30	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 00:30	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 00:30	WG824206
(S) Toluene-d8	107			90.0-115		10/26/2015 00:30	WG824206
(S) Dibromofluoromethane	104			79.0-121		10/26/2015 00:30	WG824206
(S) 4-Bromofluorobenzene	96.3			80.1-120		10/26/2015 00:30	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	U		24.7	100	1	10/25/2015 00:56	WG823914
(S) o-Terphenyl	81.3			50.0-150		10/25/2015 00:56	WG823914



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 23:06	WG824206
Benzene	U		0.331	1.00	1	10/25/2015 23:06	WG824206
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 23:06	WG824206
Bromoform	U		0.469	1.00	1	10/25/2015 23:06	WG824206
Bromomethane	U		0.866	5.00	1	10/25/2015 23:06	WG824206
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 23:06	WG824206
sec-Butylbenzene	U		0.365	1.00	1	10/25/2015 23:06	WG824206
Carbon disulfide	U		0.275	1.00	1	10/25/2015 23:06	WG824206
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 23:06	WG824206
Chlorobenzene	U		0.348	1.00	1	10/25/2015 23:06	WG824206
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 23:06	WG824206
Chloroethane	U		0.453	5.00	1	10/25/2015 23:06	WG824206
Chloroform	U		0.324	5.00	1	10/25/2015 23:06	WG824206
Chloromethane	U		0.276	2.50	1	10/25/2015 23:06	WG824206
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 23:06	WG824206
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 23:06	WG824206
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 23:06	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 23:06	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 23:06	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 23:06	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 23:06	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 23:06	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 23:06	WG824206
Ethylbenzene	U		0.384	1.00	1	10/25/2015 23:06	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/25/2015 23:06	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 23:06	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 23:06	WG824206
2-Hexanone	U		3.82	10.0	1	10/25/2015 23:06	WG824206
Methylene Chloride	U		1.00	5.00	1	10/25/2015 23:06	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 23:06	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/25/2015 23:06	WG824206
Naphthalene	U		1.00	5.00	1	10/25/2015 23:06	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/25/2015 23:06	WG824206
Styrene	U		0.307	1.00	1	10/25/2015 23:06	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 23:06	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 23:06	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 23:06	WG824206
Toluene	U		0.780	5.00	1	10/25/2015 23:06	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 23:06	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 23:06	WG824206
Trichloroethene	U		0.398	1.00	1	10/25/2015 23:06	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/25/2015 23:06	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 23:06	WG824206
Vinyl chloride	U		0.259	1.00	1	10/25/2015 23:06	WG824206
o-Xylene	U		0.341	1.00	1	10/25/2015 23:06	WG824206
m&p-Xylene	U		0.719	1.00	1	10/25/2015 23:06	WG824206
Xylenes, Total	U		1.06	3.00	1	10/25/2015 23:06	WG824206
(S) Toluene-d8	106			90.0-115		10/25/2015 23:06	WG824206
(S) Dibromofluoromethane	100			79.0-121		10/25/2015 23:06	WG824206
(S) 4-Bromofluorobenzene	96.2			80.1-120		10/25/2015 23:06	WG824206

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2740000		2820	10000	1	10/24/2015 15:00	<a href="#">WG823732</a>

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	146		19.7	100	1	10/28/2015 13:31	<a href="#">WG824554</a>

## Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	10/28/2015 07:02	<a href="#">WG824888</a>

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	9930000		26000	500000	500	10/24/2015 04:34	<a href="#">WG823862</a>
Fluoride	5430		9.90	100	1	10/24/2015 03:22	<a href="#">WG823862</a>
Sulfate	10600000		38700	2500000	500	10/24/2015 04:34	<a href="#">WG823862</a>

## Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	10/22/2015 17:39	<a href="#">WG823720</a>

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.85		0.250	2.00	1	10/28/2015 11:13	<a href="#">WG824777</a>
Barium	17.3		0.360	5.00	1	10/28/2015 11:13	<a href="#">WG824777</a>
Calcium	711000		230	5000	5	10/28/2015 12:14	<a href="#">WG824777</a>
Chromium	1.84	J	0.540	2.00	1	10/28/2015 11:13	<a href="#">WG824777</a>
Iron	572		15.0	100	1	10/28/2015 11:13	<a href="#">WG824777</a>
Lead	0.262	J	0.240	2.00	1	10/28/2015 11:13	<a href="#">WG824777</a>
Manganese	363		0.250	5.00	1	10/28/2015 11:13	<a href="#">WG824777</a>
Nickel	3.30		0.350	2.00	1	10/28/2015 11:13	<a href="#">WG824777</a>
Potassium	51800		37.0	1000	1	10/28/2015 11:13	<a href="#">WG824777</a>
Selenium	1.08	J	0.380	2.00	1	10/28/2015 11:13	<a href="#">WG824777</a>
Sodium	6250000		2200	20000	20	10/28/2015 12:16	<a href="#">WG824777</a>
Vanadium	3.60	J	0.180	5.00	1	10/28/2015 11:13	<a href="#">WG824777</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/26/2015 01:53	<a href="#">WG824206</a>
Benzene	U		0.331	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
Bromodichloromethane	U		0.380	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
Bromoform	U		0.469	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
Bromomethane	U		0.866	5.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
n-Butylbenzene	U		0.361	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
sec-Butylbenzene	U		0.365	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
Carbon disulfide	U		0.275	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
Carbon tetrachloride	U		0.379	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>
Chlorobenzene	U		0.348	1.00	1	10/26/2015 01:53	<a href="#">WG824206</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/19/15 15:50

L798587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorodibromomethane	U		0.327	1.00	1	10/26/2015 01:53	WG824206
Chloroethane	U		0.453	5.00	1	10/26/2015 01:53	WG824206
Chloroform	U		0.324	5.00	1	10/26/2015 01:53	WG824206
Chloromethane	U		0.276	2.50	1	10/26/2015 01:53	WG824206
1,2-Dibromoethane	U		0.381	1.00	1	10/26/2015 01:53	WG824206
1,1-Dichloroethane	U		0.259	1.00	1	10/26/2015 01:53	WG824206
1,2-Dichloroethane	U		0.361	1.00	1	10/26/2015 01:53	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/26/2015 01:53	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/26/2015 01:53	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/26/2015 01:53	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/26/2015 01:53	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/26/2015 01:53	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/26/2015 01:53	WG824206
Ethylbenzene	U		0.384	1.00	1	10/26/2015 01:53	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/26/2015 01:53	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/26/2015 01:53	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/26/2015 01:53	WG824206
2-Hexanone	U		3.82	10.0	1	10/26/2015 01:53	WG824206
Methylene Chloride	U		1.00	5.00	1	10/26/2015 01:53	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/26/2015 01:53	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/26/2015 01:53	WG824206
Naphthalene	U		1.00	5.00	1	10/26/2015 01:53	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/26/2015 01:53	WG824206
Styrene	U		0.307	1.00	1	10/26/2015 01:53	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/26/2015 01:53	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/26/2015 01:53	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/26/2015 01:53	WG824206
Toluene	U		0.780	5.00	1	10/26/2015 01:53	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/26/2015 01:53	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/26/2015 01:53	WG824206
Trichloroethene	U		0.398	1.00	1	10/26/2015 01:53	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/26/2015 01:53	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/26/2015 01:53	WG824206
Vinyl chloride	U		0.259	1.00	1	10/26/2015 01:53	WG824206
o-Xylene	U		0.341	1.00	1	10/26/2015 01:53	WG824206
m&p-Xylene	U		0.719	1.00	1	10/26/2015 01:53	WG824206
Xylenes, Total	U		1.06	3.00	1	10/26/2015 01:53	WG824206
(S) Toluene-d8	105			90.0-115		10/26/2015 01:53	WG824206
(S) Dibromofluoromethane	105			79.0-121		10/26/2015 01:53	WG824206
(S) 4-Bromofluorobenzene	98.2			80.1-120		10/26/2015 01:53	WG824206

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) High Fraction	215		24.7	100	1	10/25/2015 01:17	WG823914
(S) o-Terphenyl	77.1			50.0-150		10/25/2015 01:17	WG823914



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 23:27	WG824206
Benzene	U		0.331	1.00	1	10/25/2015 23:27	WG824206
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 23:27	WG824206
Bromoform	U		0.469	1.00	1	10/25/2015 23:27	WG824206
Bromomethane	U		0.866	5.00	1	10/25/2015 23:27	WG824206
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 23:27	WG824206
sec-Butylbenzene	U		0.365	1.00	1	10/25/2015 23:27	WG824206
Carbon disulfide	U		0.275	1.00	1	10/25/2015 23:27	WG824206
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 23:27	WG824206
Chlorobenzene	U		0.348	1.00	1	10/25/2015 23:27	WG824206
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 23:27	WG824206
Chloroethane	U		0.453	5.00	1	10/25/2015 23:27	WG824206
Chloroform	U		0.324	5.00	1	10/25/2015 23:27	WG824206
Chloromethane	U		0.276	2.50	1	10/25/2015 23:27	WG824206
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 23:27	WG824206
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 23:27	WG824206
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 23:27	WG824206
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 23:27	WG824206
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 23:27	WG824206
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 23:27	WG824206
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 23:27	WG824206
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 23:27	WG824206
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 23:27	WG824206
Ethylbenzene	U		0.384	1.00	1	10/25/2015 23:27	WG824206
Isopropylbenzene	U		0.326	1.00	1	10/25/2015 23:27	WG824206
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 23:27	WG824206
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 23:27	WG824206
2-Hexanone	U		3.82	10.0	1	10/25/2015 23:27	WG824206
Methylene Chloride	U		1.00	5.00	1	10/25/2015 23:27	WG824206
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 23:27	WG824206
Methyl tert-butyl ether	U		0.367	1.00	1	10/25/2015 23:27	WG824206
Naphthalene	U		1.00	5.00	1	10/25/2015 23:27	WG824206
n-Propylbenzene	U		0.349	1.00	1	10/25/2015 23:27	WG824206
Styrene	U		0.307	1.00	1	10/25/2015 23:27	WG824206
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 23:27	WG824206
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 23:27	WG824206
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 23:27	WG824206
Toluene	U		0.780	5.00	1	10/25/2015 23:27	WG824206
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 23:27	WG824206
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 23:27	WG824206
Trichloroethene	U		0.398	1.00	1	10/25/2015 23:27	WG824206
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/25/2015 23:27	WG824206
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 23:27	WG824206
Vinyl chloride	U		0.259	1.00	1	10/25/2015 23:27	WG824206
o-Xylene	U		0.341	1.00	1	10/25/2015 23:27	WG824206
m&p-Xylene	U		0.719	1.00	1	10/25/2015 23:27	WG824206
Xylenes, Total	U		1.06	3.00	1	10/25/2015 23:27	WG824206
(S) Toluene-d8	105			90.0-115		10/25/2015 23:27	WG824206
(S) Dibromofluoromethane	99.6			79.0-121		10/25/2015 23:27	WG824206
(S) 4-Bromofluorobenzene	96.6			80.1-120		10/25/2015 23:27	WG824206

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	4840000		2820	10000	1	10/26/2015 03:45	<a href="#">WG824142</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	31.0	J	19.7	100	1	10/28/2015 16:09	<a href="#">WG824959</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1370000		5190	100000	100	10/23/2015 22:09	<a href="#">WG823865</a>
Fluoride	3100		9.90	100	1	10/23/2015 20:59	<a href="#">WG823865</a>
Sulfate	2480000		7740	500000	100	10/23/2015 22:09	<a href="#">WG823865</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	58.2		0.250	2.00	1	10/27/2015 20:03	<a href="#">WG824778</a>
Barium	14.3		0.360	5.00	1	10/27/2015 20:03	<a href="#">WG824778</a>
Calcium	445000		46.0	1000	1	10/27/2015 20:03	<a href="#">WG824778</a>
Chromium	1.26	J	0.540	2.00	1	10/27/2015 20:03	<a href="#">WG824778</a>
Iron	3750		15.0	100	1	10/27/2015 20:03	<a href="#">WG824778</a>
Lead	0.242	J	0.240	2.00	1	10/27/2015 20:03	<a href="#">WG824778</a>
Manganese	753		0.250	5.00	1	10/27/2015 20:03	<a href="#">WG824778</a>
Potassium	28000		37.0	1000	1	10/27/2015 20:03	<a href="#">WG824778</a>
Selenium	2.50		0.380	2.00	1	10/27/2015 20:03	<a href="#">WG824778</a>
Sodium	1070000		2200	20000	20	10/27/2015 20:34	<a href="#">WG824778</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	773		31.4	100	1	10/28/2015 12:04	<a href="#">WG825076</a>
(S) a, a, a-Trifluorotoluene(FID) 92.7				62.0-128		10/28/2015 12:04	<a href="#">WG825076</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 14:54	<a href="#">WG824210</a>
Benzene	U		0.331	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Bromoform	U		0.469	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
sec-Butylbenzene	0.493	J	0.365	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 17:23	<a href="#">WG824566</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Chloroform	U		0.324	5.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 14:54	<a href="#">WG824210</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 14:54	<a href="#">WG824210</a>



Collected date/time: 10/19/15 09:25

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## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 14:54	WG824210
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 14:54	WG824210
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 14:54	WG824210
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 14:54	WG824210
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 14:54	WG824210
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 14:54	WG824210
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 14:54	WG824210
Ethylbenzene	U		0.384	1.00	1	10/25/2015 14:54	WG824210
Isopropylbenzene	23.0		0.326	1.00	1	10/25/2015 14:54	WG824210
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 14:54	WG824210
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 14:54	WG824210
2-Hexanone	U		3.82	10.0	1	10/25/2015 14:54	WG824210
Methylene Chloride	U		1.00	5.00	1	10/25/2015 14:54	WG824210
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 14:54	WG824210
Methyl tert-butyl ether	8.39		0.367	1.00	1	10/27/2015 17:23	WG824566
Naphthalene	U		1.00	5.00	1	10/25/2015 14:54	WG824210
n-Propylbenzene	0.663	J	0.349	1.00	1	10/25/2015 14:54	WG824210
Styrene	U		0.307	1.00	1	10/25/2015 14:54	WG824210
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 14:54	WG824210
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 14:54	WG824210
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 14:54	WG824210
Toluene	U		0.780	5.00	1	10/25/2015 14:54	WG824210
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 14:54	WG824210
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 14:54	WG824210
Trichloroethene	U		0.398	1.00	1	10/25/2015 14:54	WG824210
1,2,4-Trimethylbenzene	0.531	J	0.373	1.00	1	10/25/2015 14:54	WG824210
1,3,5-Trimethylbenzene	0.499	J	0.387	1.00	1	10/25/2015 14:54	WG824210
Vinyl chloride	U		0.259	1.00	1	10/25/2015 14:54	WG824210
o-Xylene	U		0.341	1.00	1	10/25/2015 14:54	WG824210
m&p-Xylene	U		0.719	1.00	1	10/25/2015 14:54	WG824210
Xylenes, Total	U		1.06	3.00	1	10/25/2015 14:54	WG824210
(S) Toluene-d8	101			90.0-115		10/25/2015 14:54	WG824210
(S) Dibromofluoromethane	98.1			79.0-121		10/25/2015 14:54	WG824210
(S) 4-Bromofluorobenzene	94.4			80.1-120		10/25/2015 14:54	WG824210

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	25200		494	2000	20	10/25/2015 07:23	WG823923
(S) o-Terphenyl	97.3	X		50.0-150		10/25/2015 07:23	WG823923



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	7510000		2820	10000	1	10/26/2015 03:45	<a href="#">WG824142</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	211		19.7	100	1	10/28/2015 16:10	<a href="#">WG824959</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	433000		5190	100000	100	10/23/2015 22:23	<a href="#">WG823865</a>
Fluoride	2420		9.90	100	1	10/23/2015 21:13	<a href="#">WG823865</a>
Sulfate	4820000		7740	500000	100	10/23/2015 22:23	<a href="#">WG823865</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	50.0		1.25	10.0	5	10/27/2015 20:06	<a href="#">WG824778</a>
Barium	13.2	J	1.80	25.0	5	10/27/2015 20:06	<a href="#">WG824778</a>
Calcium	557000		230	5000	5	10/27/2015 20:06	<a href="#">WG824778</a>
Chromium	9.80	J	2.70	10.0	5	10/27/2015 20:06	<a href="#">WG824778</a>
Iron	8540		75.0	500	5	10/27/2015 20:06	<a href="#">WG824778</a>
Lead	U		1.20	10.0	5	10/27/2015 20:06	<a href="#">WG824778</a>
Manganese	703		1.25	25.0	5	10/27/2015 20:06	<a href="#">WG824778</a>
Potassium	82500		185	5000	5	10/27/2015 20:06	<a href="#">WG824778</a>
Selenium	11.9		1.90	10.0	5	10/27/2015 20:06	<a href="#">WG824778</a>
Sodium	1490000		550	5000	5	10/27/2015 20:06	<a href="#">WG824778</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	2680		31.4	100	1	10/24/2015 20:31	<a href="#">WG824299</a>
(S) a,a,a-Trifluorotoluene(FID) 97.3				62.0-128		10/24/2015 20:31	<a href="#">WG824299</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	35.7	J	10.0	50.0	1	10/25/2015 15:12	<a href="#">WG824210</a>
Benzene	1.56		0.331	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Bromoform	U		0.469	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
n-Butylbenzene	0.743	J	0.361	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
sec-Butylbenzene	3.94		0.365	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 17:41	<a href="#">WG824566</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Chloroform	U		0.324	5.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 15:12	<a href="#">WG824210</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 15:12	<a href="#">WG824210</a>



Collected date/time: 10/19/15 10:15

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## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 15:12	WG824210
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 15:12	WG824210
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 15:12	WG824210
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 15:12	WG824210
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 15:12	WG824210
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 15:12	WG824210
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 15:12	WG824210
Ethylbenzene	5.33		0.384	1.00	1	10/25/2015 15:12	WG824210
Isopropylbenzene	29.1		0.326	1.00	1	10/25/2015 15:12	WG824210
p-Isopropyltoluene	3.10		0.350	1.00	1	10/25/2015 15:12	WG824210
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 15:12	WG824210
2-Hexanone	U		3.82	10.0	1	10/25/2015 15:12	WG824210
Methylene Chloride	U		1.00	5.00	1	10/25/2015 15:12	WG824210
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 15:12	WG824210
Methyl tert-butyl ether	7.22		0.367	1.00	1	10/27/2015 17:41	WG824566
Naphthalene	U		1.00	5.00	1	10/25/2015 15:12	WG824210
n-Propylbenzene	9.89		0.349	1.00	1	10/25/2015 15:12	WG824210
Styrene	U		0.307	1.00	1	10/25/2015 15:12	WG824210
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 15:12	WG824210
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 15:12	WG824210
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 15:12	WG824210
Toluene	3.86	J	0.780	5.00	1	10/25/2015 15:12	WG824210
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 15:12	WG824210
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 15:12	WG824210
Trichloroethene	U		0.398	1.00	1	10/25/2015 15:12	WG824210
1,2,4-Trimethylbenzene	3.48		0.373	1.00	1	10/25/2015 15:12	WG824210
1,3,5-Trimethylbenzene	2.23		0.387	1.00	1	10/25/2015 15:12	WG824210
Vinyl chloride	U		0.259	1.00	1	10/25/2015 15:12	WG824210
o-Xylene	1.12		0.341	1.00	1	10/25/2015 15:12	WG824210
m&p-Xylene	4.76		0.719	1.00	1	10/25/2015 15:12	WG824210
Xylenes, Total	5.89		1.06	3.00	1	10/25/2015 15:12	WG824210
(S) Toluene-d8	101			90.0-115		10/25/2015 15:12	WG824210
(S) Dibromofluoromethane	94.2			79.0-121		10/25/2015 15:12	WG824210
(S) 4-Bromofluorobenzene	87.9			80.1-120		10/25/2015 15:12	WG824210



## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	173000		1240	5000	50	10/26/2015 18:20	WG823923
(S) o-Terphenyl	0.000	X		50.0-150		10/26/2015 18:20	WG823923



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	5280000		2820	10000	1	10/26/2015 03:45	<a href="#">WG824142</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	59.0	J	19.7	100	1	10/26/2015 08:32	<a href="#">WG823856</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1550000		5190	100000	100	10/23/2015 22:37	<a href="#">WG823865</a>
Fluoride	7800		9.90	100	1	10/23/2015 21:27	<a href="#">WG823865</a>
Sulfate	2510000		7740	500000	100	10/23/2015 22:37	<a href="#">WG823865</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	328		0.250	2.00	1	10/27/2015 20:08	<a href="#">WG824778</a>
Barium	14.9		0.360	5.00	1	10/27/2015 20:08	<a href="#">WG824778</a>
Calcium	352000		46.0	1000	1	10/27/2015 20:08	<a href="#">WG824778</a>
Chromium	1.55	J	0.540	2.00	1	10/27/2015 20:08	<a href="#">WG824778</a>
Iron	3750		15.0	100	1	10/27/2015 20:08	<a href="#">WG824778</a>
Lead	U		0.240	2.00	1	10/27/2015 20:08	<a href="#">WG824778</a>
Manganese	821		0.250	5.00	1	10/27/2015 20:08	<a href="#">WG824778</a>
Potassium	19300		37.0	1000	1	10/27/2015 20:08	<a href="#">WG824778</a>
Selenium	2.48		0.380	2.00	1	10/27/2015 20:08	<a href="#">WG824778</a>
Sodium	1560000		2200	20000	20	10/27/2015 20:37	<a href="#">WG824778</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	10900		31.4	100	1	10/25/2015 02:19	<a href="#">WG824299</a>
(S) a, a, a-Trifluorotoluene(FID) 94.3				62.0-128		10/25/2015 02:19	<a href="#">WG824299</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 15:29	<a href="#">WG824210</a>
Benzene	U		0.331	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Bromoform	U		0.469	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
sec-Butylbenzene	0.944	J	0.365	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Carbon disulfide	U		0.275	1.00	1	10/27/2015 17:59	<a href="#">WG824566</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Chloroform	U		0.324	5.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 15:29	<a href="#">WG824210</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 15:29	<a href="#">WG824210</a>



Collected date/time: 10/19/15 11:20

L798587

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 15:29	WG824210
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 15:29	WG824210
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 15:29	WG824210
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 15:29	WG824210
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 15:29	WG824210
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 15:29	WG824210
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 15:29	WG824210
Ethylbenzene	U		0.384	1.00	1	10/25/2015 15:29	WG824210
Isopropylbenzene	10.1		0.326	1.00	1	10/25/2015 15:29	WG824210
p-Isopropyltoluene	0.623	J	0.350	1.00	1	10/25/2015 15:29	WG824210
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 15:29	WG824210
2-Hexanone	U		3.82	10.0	1	10/25/2015 15:29	WG824210
Methylene Chloride	U		1.00	5.00	1	10/25/2015 15:29	WG824210
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 15:29	WG824210
Methyl tert-butyl ether	4.63		0.367	1.00	1	10/27/2015 17:59	WG824566
Naphthalene	U		1.00	5.00	1	10/25/2015 15:29	WG824210
n-Propylbenzene	1.16		0.349	1.00	1	10/25/2015 15:29	WG824210
Styrene	U		0.307	1.00	1	10/25/2015 15:29	WG824210
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 15:29	WG824210
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 15:29	WG824210
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 15:29	WG824210
Toluene	U		0.780	5.00	1	10/25/2015 15:29	WG824210
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 15:29	WG824210
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 15:29	WG824210
Trichloroethene	U		0.398	1.00	1	10/25/2015 15:29	WG824210
1,2,4-Trimethylbenzene	0.479	J	0.373	1.00	1	10/25/2015 15:29	WG824210
1,3,5-Trimethylbenzene	0.950	J	0.387	1.00	1	10/25/2015 15:29	WG824210
Vinyl chloride	U		0.259	1.00	1	10/25/2015 15:29	WG824210
o-Xylene	U		0.341	1.00	1	10/25/2015 15:29	WG824210
m&p-Xylene	U		0.719	1.00	1	10/25/2015 15:29	WG824210
Xylenes, Total	U		1.06	3.00	1	10/25/2015 15:29	WG824210
(S) Toluene-d8	101			90.0-115		10/25/2015 15:29	WG824210
(S) Dibromofluoromethane	96.8			79.0-121		10/25/2015 15:29	WG824210
(S) 4-Bromofluorobenzene	96.7			80.1-120		10/25/2015 15:29	WG824210

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	19600		124	500	5	10/26/2015 17:20	WG823923
(S) o-Terphenyl	93.2			50.0-150		10/26/2015 17:20	WG823923



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	4530000		2820	10000	1	10/26/2015 03:45	<a href="#">WG824142</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	86.0	J	19.7	100	1	10/26/2015 08:33	<a href="#">WG823856</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	202000		5190	100000	100	10/24/2015 00:00	<a href="#">WG823865</a>
Fluoride	7320		9.90	100	1	10/23/2015 23:18	<a href="#">WG823865</a>
Sulfate	3210000		7740	500000	100	10/24/2015 00:00	<a href="#">WG823865</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	21.5		0.250	2.00	1	10/27/2015 20:10	<a href="#">WG824778</a>
Barium	40.3		0.360	5.00	1	10/27/2015 20:10	<a href="#">WG824778</a>
Calcium	388000		46.0	1000	1	10/27/2015 20:10	<a href="#">WG824778</a>
Chromium	7.91		0.540	2.00	1	10/27/2015 20:10	<a href="#">WG824778</a>
Iron	1870		15.0	100	1	10/27/2015 20:10	<a href="#">WG824778</a>
Lead	0.860	J	0.240	2.00	1	10/27/2015 20:10	<a href="#">WG824778</a>
Manganese	170		0.250	5.00	1	10/27/2015 20:10	<a href="#">WG824778</a>
Potassium	34000		37.0	1000	1	10/27/2015 20:10	<a href="#">WG824778</a>
Selenium	8.06		0.380	2.00	1	10/27/2015 20:10	<a href="#">WG824778</a>
Sodium	271000		110	1000	1	10/27/2015 20:10	<a href="#">WG824778</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	6260		31.4	100	1	10/25/2015 02:44	<a href="#">WG824299</a>
(S) a, a, a-Trifluorotoluene(FID) 95.6				62.0-128		10/25/2015 02:44	<a href="#">WG824299</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	10.3	J	10.0	50.0	1	10/25/2015 17:46	<a href="#">WG824210</a>
Benzene	U		0.331	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Bromoform	U		0.469	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
sec-Butylbenzene	U		0.365	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Carbon disulfide	U		0.275	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Chloroform	U		0.324	5.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 17:46	<a href="#">WG824210</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 17:46	<a href="#">WG824210</a>



Collected date/time: 10/19/15 12:05

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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 17:46	WG824210
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 17:46	WG824210
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 17:46	WG824210
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 17:46	WG824210
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 17:46	WG824210
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 17:46	WG824210
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 17:46	WG824210
Ethylbenzene	U		0.384	1.00	1	10/25/2015 17:46	WG824210
Isopropylbenzene	1.92		0.326	1.00	1	10/25/2015 17:46	WG824210
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 17:46	WG824210
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 17:46	WG824210
2-Hexanone	U		3.82	10.0	1	10/25/2015 17:46	WG824210
Methylene Chloride	U		1.00	5.00	1	10/25/2015 17:46	WG824210
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 17:46	WG824210
Methyl tert-butyl ether	U		0.367	1.00	1	10/25/2015 17:46	WG824210
Naphthalene	U		1.00	5.00	1	10/25/2015 17:46	WG824210
n-Propylbenzene	0.461	J	0.349	1.00	1	10/25/2015 17:46	WG824210
Styrene	U		0.307	1.00	1	10/25/2015 17:46	WG824210
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 17:46	WG824210
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 17:46	WG824210
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 17:46	WG824210
Toluene	U		0.780	5.00	1	10/25/2015 17:46	WG824210
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 17:46	WG824210
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 17:46	WG824210
Trichloroethene	U		0.398	1.00	1	10/25/2015 17:46	WG824210
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/25/2015 17:46	WG824210
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 17:46	WG824210
Vinyl chloride	U		0.259	1.00	1	10/25/2015 17:46	WG824210
o-Xylene	U		0.341	1.00	1	10/25/2015 17:46	WG824210
m&p-Xylene	U		0.719	1.00	1	10/25/2015 17:46	WG824210
Xylenes, Total	U		1.06	3.00	1	10/25/2015 17:46	WG824210
(S) Toluene-d8	100			90.0-115		10/25/2015 17:46	WG824210
(S) Dibromofluoromethane	94.8			79.0-121		10/25/2015 17:46	WG824210
(S) 4-Bromofluorobenzene	96.7			80.1-120		10/25/2015 17:46	WG824210

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	40300		494	2000	20	10/26/2015 18:00	WG823923
(S) o-Terphenyl	0.000	X		50.0-150		10/26/2015 18:00	WG823923



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	6140000		2820	10000	1	10/26/2015 03:45	<a href="#">WG824142</a>

1 Cp

2 Tc

3 Ss

4 Cn

## Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	182		19.7	100	1	10/26/2015 08:34	<a href="#">WG823856</a>

5 Sr

## Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1950000		5190	100000	100	10/24/2015 00:14	<a href="#">WG823865</a>
Fluoride	1990		9.90	100	1	10/23/2015 23:32	<a href="#">WG823865</a>
Sulfate	2810000		7740	500000	100	10/24/2015 00:14	<a href="#">WG823865</a>

6 Qc

7 Gl

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	24.8		0.250	2.00	1	10/27/2015 20:13	<a href="#">WG824778</a>
Barium	15.7		0.360	5.00	1	10/27/2015 20:13	<a href="#">WG824778</a>
Calcium	613000		920	20000	20	10/27/2015 20:39	<a href="#">WG824778</a>
Chromium	U		0.540	2.00	1	10/27/2015 20:13	<a href="#">WG824778</a>
Iron	366		15.0	100	1	10/27/2015 20:13	<a href="#">WG824778</a>
Lead	0.298	J	0.240	2.00	1	10/27/2015 20:13	<a href="#">WG824778</a>
Manganese	1290		0.250	5.00	1	10/27/2015 20:13	<a href="#">WG824778</a>
Potassium	7170		37.0	1000	1	10/27/2015 20:13	<a href="#">WG824778</a>
Selenium	8.92		0.380	2.00	1	10/27/2015 20:13	<a href="#">WG824778</a>
Sodium	1220000		2200	20000	20	10/27/2015 20:39	<a href="#">WG824778</a>

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	3590		31.4	100	1	10/25/2015 03:09	<a href="#">WG824299</a>
(S) a, a, a-Trifluorotoluene(FID) 95.6				62.0-128		10/25/2015 03:09	<a href="#">WG824299</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 18:04	<a href="#">WG824210</a>
Benzene	U		0.331	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Bromoform	U		0.469	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
sec-Butylbenzene	U		0.365	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Carbon disulfide	U		0.275	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Chloroform	U		0.324	5.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 18:04	<a href="#">WG824210</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 18:04	<a href="#">WG824210</a>



Collected date/time: 10/19/15 12:50

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## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 18:04	WG824210
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 18:04	WG824210
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 18:04	WG824210
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 18:04	WG824210
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 18:04	WG824210
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 18:04	WG824210
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 18:04	WG824210
Ethylbenzene	U		0.384	1.00	1	10/25/2015 18:04	WG824210
Isopropylbenzene	2.47		0.326	1.00	1	10/25/2015 18:04	WG824210
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 18:04	WG824210
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 18:04	WG824210
2-Hexanone	U		3.82	10.0	1	10/25/2015 18:04	WG824210
Methylene Chloride	U		1.00	5.00	1	10/25/2015 18:04	WG824210
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 18:04	WG824210
Methyl tert-butyl ether	U		0.367	1.00	1	10/25/2015 18:04	WG824210
Naphthalene	U		1.00	5.00	1	10/25/2015 18:04	WG824210
n-Propylbenzene	U		0.349	1.00	1	10/25/2015 18:04	WG824210
Styrene	U		0.307	1.00	1	10/25/2015 18:04	WG824210
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 18:04	WG824210
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 18:04	WG824210
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 18:04	WG824210
Toluene	U		0.780	5.00	1	10/25/2015 18:04	WG824210
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 18:04	WG824210
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 18:04	WG824210
Trichloroethene	U		0.398	1.00	1	10/25/2015 18:04	WG824210
1,2,4-Trimethylbenzene	U		0.373	1.00	1	10/25/2015 18:04	WG824210
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 18:04	WG824210
Vinyl chloride	U		0.259	1.00	1	10/25/2015 18:04	WG824210
o-Xylene	U		0.341	1.00	1	10/25/2015 18:04	WG824210
m&p-Xylene	U		0.719	1.00	1	10/25/2015 18:04	WG824210
Xylenes, Total	U		1.06	3.00	1	10/25/2015 18:04	WG824210
(S) Toluene-d8	100			90.0-115		10/25/2015 18:04	WG824210
(S) Dibromofluoromethane	97.5			79.0-121		10/25/2015 18:04	WG824210
(S) 4-Bromofluorobenzene	92.2			80.1-120		10/25/2015 18:04	WG824210

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	11200		124	500	5	10/26/2015 15:19	WG823923
(S) o-Terphenyl	89.0			50.0-150		10/26/2015 15:19	WG823923



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	4290000		2820	10000	1	10/26/2015 03:45	<a href="#">WG824142</a>

1 Cp

2 Tc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	53.0	FJ	19.7	100	1	10/26/2015 08:35	<a href="#">WG823856</a>

3 Ss

4 Cn

Wet Chemistry by Method 9056MOD

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1380000		5190	100000	100	10/24/2015 00:28	<a href="#">WG823865</a>
Fluoride	1920		9.90	100	1	10/23/2015 23:46	<a href="#">WG823865</a>
Sulfate	2110000		7740	500000	100	10/24/2015 00:28	<a href="#">WG823865</a>

5 Sr

6 Qc

7 Gl

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	112		0.250	2.00	1	10/27/2015 20:15	<a href="#">WG824778</a>
Barium	14.0		0.360	5.00	1	10/27/2015 20:15	<a href="#">WG824778</a>
Calcium	394000		46.0	1000	1	10/27/2015 20:15	<a href="#">WG824778</a>
Chromium	1.26	J	0.540	2.00	1	10/27/2015 20:15	<a href="#">WG824778</a>
Iron	2090		15.0	100	1	10/27/2015 20:15	<a href="#">WG824778</a>
Lead	U		0.240	2.00	1	10/27/2015 20:15	<a href="#">WG824778</a>
Manganese	1750		0.250	5.00	1	10/27/2015 20:15	<a href="#">WG824778</a>
Potassium	5230		37.0	1000	1	10/27/2015 20:15	<a href="#">WG824778</a>
Selenium	0.588	J	0.380	2.00	1	10/27/2015 20:15	<a href="#">WG824778</a>
Sodium	1010000		2200	20000	20	10/27/2015 20:41	<a href="#">WG824778</a>

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH (GC/FID) Low Fraction	3440		31.4	100	1	10/25/2015 03:34	<a href="#">WG824299</a>
(S) a, a, a-Trifluorotoluene(FID) 95.0				62.0-128		10/25/2015 03:34	<a href="#">WG824299</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	10/25/2015 18:21	<a href="#">WG824210</a>
Benzene	U		0.331	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Bromodichloromethane	U		0.380	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Bromoform	U		0.469	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Bromomethane	U		0.866	5.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
n-Butylbenzene	U		0.361	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
sec-Butylbenzene	0.502	J	0.365	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Carbon disulfide	U		0.275	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Carbon tetrachloride	U		0.379	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Chlorobenzene	U		0.348	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Chlorodibromomethane	U		0.327	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Chloroethane	U		0.453	5.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Chloroform	U		0.324	5.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Chloromethane	U		0.276	2.50	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,2-Dibromoethane	U		0.381	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,1-Dichloroethane	U		0.259	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>



Collected date/time: 10/19/15 14:00

L798587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.361	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,1-Dichloroethene	U		0.398	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
cis-1,2-Dichloroethene	U		0.260	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
trans-1,2-Dichloroethene	U		0.396	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,2-Dichloropropane	U		0.306	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
cis-1,3-Dichloropropene	U		0.418	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
trans-1,3-Dichloropropene	U		0.419	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Ethylbenzene	U		0.384	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Isopropylbenzene	6.13		0.326	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
p-Isopropyltoluene	U		0.350	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
2-Butanone (MEK)	U		3.93	10.0	1	10/25/2015 18:21	<a href="#">WG824210</a>
2-Hexanone	U		3.82	10.0	1	10/25/2015 18:21	<a href="#">WG824210</a>
Methylene Chloride	U		1.00	5.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	10/25/2015 18:21	<a href="#">WG824210</a>
Methyl tert-butyl ether	0.641	U	0.367	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Naphthalene	U		1.00	5.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
n-Propylbenzene	0.436	U	0.349	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Styrene	U		0.307	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Tetrachloroethene	U		0.372	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Toluene	U		0.780	5.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,1,1-Trichloroethane	U		0.319	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,1,2-Trichloroethane	U		0.383	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Trichloroethene	U		0.398	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,2,4-Trimethylbenzene	0.502	U	0.373	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
1,3,5-Trimethylbenzene	U		0.387	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Vinyl chloride	U		0.259	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
o-Xylene	U		0.341	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
m&p-Xylene	2.37		0.719	1.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
Xylenes, Total	2.37	U	1.06	3.00	1	10/25/2015 18:21	<a href="#">WG824210</a>
(S) Toluene-d8	102			90.0-115		10/25/2015 18:21	<a href="#">WG824210</a>
(S) Dibromofluoromethane	98.6			79.0-121		10/25/2015 18:21	<a href="#">WG824210</a>
(S) 4-Bromofluorobenzene	94.7			80.1-120		10/25/2015 18:21	<a href="#">WG824210</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9810		124	500	5	10/26/2015 17:00	<a href="#">WG823923</a>
(S) o-Terphenyl	103			50.0-150		10/26/2015 17:00	<a href="#">WG823923</a>



Method Blank (MB)

(MB) 10/26/15 12:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

L795810-11 Original Sample (OS) • Duplicate (DUP)

(OS) 10/26/15 12:05 • (DUP) 10/26/15 12:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	12000	12000	1	0.167		5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 12:15 • (LCSD) 10/26/15 12:15

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Dissolved Solids	8800	8610	8660	97.8	98.4	85.0-115			0.579	5

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/24/15 14:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

L798587-12 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 14:55 • (DUP) 10/24/15 14:57

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	ND	1.00	1	0.000	5	

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 14:58 • (LCSD) 10/24/15 14:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Dissolved Solids	8800	8630	8720	98.1	99.1	85.0-115			1.04	5

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/26/15 03:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L795617-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/26/15 03:45 • (DUP) 10/26/15 03:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	193	196	1	1.54		5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 03:43 • (LCSD) 10/26/15 03:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8450	8570	96.0	97.4	85.0-115			1.41	5



Method Blank (MB)

(MB) 10/27/15 14:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

L798576-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 14:29 • (DUP) 10/27/15 14:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2140	2080	1	3.08		5

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 14:28 • (LCSD) 10/27/15 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8640	8660	98.2	98.4	85.0-115			0.231	5



Method Blank (MB)

(MB) 10/27/15 14:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

L798587-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 14:18 • (DUP) 10/27/15 14:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	5490	5430	1	1.10		5

<sup>4</sup> Cn

<sup>5</sup> Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 14:15 • (LCSD) 10/27/15 14:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dissolved Solids	8800	8600	8560	97.7	97.3	85.0-115			0.466	5

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/26/15 08:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0240		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L795299-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/26/15 08:13 • (DUP) 10/26/15 08:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	1.99	1.97	1	1.00		20

L795823-07 Original Sample (OS) • Duplicate (DUP)

(OS) 10/26/15 08:30 • (DUP) 10/26/15 08:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.103	ND	1	16.0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 08:10 • (LCSD) 10/26/15 08:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	4.60	4.81	92.0	96.0	90.0-110			4.00	20

L795299-02 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/26/15 08:15 • (MS) 10/26/15 08:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	5.00	2.14	5.40	65.0	1	90.0-110	F



L795836-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 08:35 • (MS) 10/26/15 08:36 • (MSD) 10/26/15 08:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	0.0530	3.10	2.85	61.0	56.0	1	90.0-110	<u>F</u>	<u>F</u>	8.00	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 13:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L795822-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:27 • (DUP) 10/28/15 13:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	1	0.000		20

L795822-14 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:39 • (DUP) 10/28/15 13:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	5.79	5.78	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 13:19 • (LCSD) 10/28/15 13:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	4.97	5.05	99.0	101	90.0-110			2.00	20

L795822-13 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/28/15 13:33 • (MS) 10/28/15 13:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	5.00	4.32	7.86	71.0	1	90.0-110	F



L795836-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 13:50 • (MS) 10/28/15 13:51 • (MSD) 10/28/15 13:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	0.0220	3.51	3.61	70.0	72.0	1	90.0-110	<u>E</u>	<u>E</u>	3.00	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 15:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0210		0.0197	0.100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L795810-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 15:49 • (DUP) 10/28/15 15:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.147	0.138	1	6.00		20

L795810-20 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 16:06 • (DUP) 10/28/15 16:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	1	9.00		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 15:41 • (LCSD) 10/28/15 15:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	5.11	5.25	102	105	90.0-110			3.00	20

L795810-10 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/28/15 15:55 • (MS) 10/28/15 15:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	5.00	0.144	4.14	80.0	1	90.0-110	F



L795875-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 16:12 • (MS) 10/28/15 16:13 • (MSD) 10/28/15 16:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	0.125	4.45	4.43	86.0	86.0	1	90.0-110	<u>E</u>	<u>E</u>	0.000	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 11/02/15 22:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0280		0.0197	0.100

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L796143-15 Original Sample (OS) • Duplicate (DUP)

(OS) 11/02/15 22:47 • (DUP) 11/02/15 22:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	1.00		20

L796143-20 Original Sample (OS) • Duplicate (DUP)

(OS) 11/02/15 22:58 • (DUP) 11/02/15 22:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	ND	ND	10	11.0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/02/15 22:33 • (LCSD) 11/02/15 22:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	4.91	4.98	98.0	100	90.0-110			1.00	20

L796013-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 11/02/15 22:41 • (MS) 11/02/15 22:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	5.00	1.55	6.42	97.0	1	90.0-110	



L796686-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/02/15 23:04 • (MS) 11/02/15 23:05 • (MSD) 11/02/15 23:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	0.0370	4.86	4.83	96.0	96.0	1	90.0-110			0.000	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/28/15 06:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L795847-10 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 07:19 • (DUP) 10/28/15 07:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

L795822-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 07:00 • (DUP) 10/28/15 07:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 06:54 • (LCSD) 10/28/15 06:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.106	0.107	106	107	90.0-110			0.939	20



Method Blank (MB)

(MB) 10/23/15 22:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L795822-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 00:32 • (DUP) 10/24/15 00:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	0.122	0.0126	1	163	*	20
Fluoride	ND	0.000	1	0		20
Sulfate	1.97	-0.371	1	293	*	20

L795823-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 09:08 • (DUP) 10/24/15 09:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	99.7	99.2	1	1		20
Fluoride	0.0243	0.0229	1	6		20
Sulfate	4.23	4.24	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/23/15 22:51 • (LCSD) 10/23/15 23:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Chloride	40.0	40.6	40.5	101	101	90-110			0	20
Fluoride	8.00	8.11	8.08	101	101	90-110			0	20
Sulfate	40.0	40.7	40.6	102	101	90-110			0	20



L795822-07 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 01:01 • (MS) 10/24/15 01:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	ND	51.4	103	1	80-120	
Fluoride	5.00	ND	5.18	104	1	80-120	
Sulfate	50.0	ND	51.3	103	1	80-120	

L795823-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 09:37 • (MS) 10/24/15 09:51 • (MSD) 10/24/15 10:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	8.62	59.0	58.1	101	99	1	80-120			2	20
Fluoride	5.00	ND	5.03	5.01	101	100	1	80-120			0	20
Sulfate	50.0	ND	49.8	49.1	100	98	1	80-120			1	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/23/15 19:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0531		0.0519	1.00
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

L795844-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 00:42 • (DUP) 10/24/15 00:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	2.32	2.31	1	0		20
Fluoride	0.0305	0.0293	1	0		20
Sulfate	2.08	2.04	1	0		20

5 Sr

6 Qc

7 Gl

L795847-07 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 09:33 • (DUP) 10/24/15 09:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7.63	7.61	1	0		20
Fluoride	0.0576	0.0546	1	0		20
Sulfate	5.70	5.64	1	1		20

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/23/15 19:36 • (LCSD) 10/23/15 19:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	40.6	40.7	101	102	90-110			0	20
Fluoride	8.00	8.07	8.13	101	102	90-110			1	20
Sulfate	40.0	38.5	38.7	96	97	90-110			0	20



L795844-02 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 01:10 • (MS) 10/24/15 01:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	8.82	60.7	104	1	80-120	
Fluoride	5.00	0.00760	5.19	104	1	80-120	
Sulfate	50.0	0.724	52.0	103	1	80-120	

L795847-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 08:51 • (MS) 10/24/15 09:05 • (MSD) 10/24/15 09:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	1.50	54.2	53.6	105	104	1	80-120			1	20
Fluoride	5.00	0.445	5.68	5.63	105	104	1	80-120			1	20
Sulfate	50.0	29.6	80.3	79.7	101	100	1	80-120			1	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) 10/24/15 10:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0603		0.0519	1.00
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L795403-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 12:35 • (DUP) 10/24/15 12:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	5.19	5.71	1	10		20
Sulfate	ND	0.000	1	0		20

L795901-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 17:13 • (DUP) 10/24/15 17:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.41	1.38	1	2		20
Fluoride	0.0803	0.0842	1	0		20
Sulfate	0.437	0.504	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 10:57 • (LCSD) 10/24/15 11:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	39.2	39.3	98	98	90-110			0	20
Fluoride	8.00	7.84	7.83	98	98	90-110			0	20
Sulfate	40.0	37.5	37.4	94	93	90-110			0	20

L795810-13 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 14:53 • (MS) 10/24/15 15:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier



L795810-13 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 14:53 • (MS) 10/24/15 15:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	0.175	51.5	103	1	80-120	
Fluoride	5.00	0.00320	5.08	102	1	80-120	
Sulfate	50.0	0.0882	47.5	95	1	80-120	

L795901-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 17:41 • (MS) 10/24/15 17:55 • (MSD) 10/24/15 18:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	3.58	55.4	55.6	104	104	1	80-120			0	20
Fluoride	5.00	0.376	5.51	5.53	103	103	1	80-120			0	20
Sulfate	50.0	39.8	85.7	86.0	92	92	1	80-120			0	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/27/15 09:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00
Fluoride	U		0.0099	0.100
Sulfate	U		0.0774	5.00

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L796127-13 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 11:50 • (DUP) 10/27/15 12:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	13.4	13.4	1	0		20
Fluoride	0.330	0.332	1	0		20

L796143-15 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 22:26 • (DUP) 10/27/15 22:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Fluoride	5.13	5.27	1	3		20

L796143-15 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 23:10 • (DUP) 10/27/15 23:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	86.6	85.9	50	1		20
Sulfate	2690	2720	50	1		20

L798466-12 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 23:38 • (DUP) 10/27/15 23:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Sulfate	297	309	10	4		20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 09:14 • (LCSD) 10/27/15 09:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chloride	40.0	40.3	40.3	101	101	90-110			0	20
Fluoride	8.00	8.04	8.05	100	101	90-110			0	20
Sulfate	40.0	40.6	40.9	102	102	90-110			1	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L798576-03 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/27/15 16:40 • (MS) 10/27/15 16:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	182	2730	102	50	80-120	
Sulfate	50.0	633	3150	101	50	80-120	

L798576-03 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/27/15 17:53 • (MS) 10/27/15 18:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Fluoride	5.00	1.69	6.10	88	1	80-120	

L796143-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 19:05 • (MS) 10/27/15 19:19 • (MSD) 10/27/15 19:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	0.0427	53.3	53.1	106	106	1	80-120			0	20
Fluoride	5.00	ND	5.29	5.27	106	105	1	80-120			0	20
Sulfate	50.0	1.30	53.7	53.5	105	104	1	80-120			0	20



Method Blank (MB)

(MB) 10/28/15 07:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00
Sulfate	U		0.0774	5.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L796122-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:13 • (DUP) 10/28/15 13:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	11.6	10.7	5	8		20
Sulfate	122	123	5	1		20

L796194-08 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 17:36 • (DUP) 10/28/15 17:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	134	133	10	1		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 07:33 • (LCSD) 10/28/15 07:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Chloride	40.0	39.9	39.8	100	99	90-110			0	20
Sulfate	40.0	40.1	40.1	100	100	90-110			0	20



Method Blank (MB)

(MB) 10/29/15 06:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Fluoride	U		0.0099	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L796587-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 11:21 • (DUP) 10/29/15 11:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Fluoride	ND	0.000	1	0		20

L796639-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 15:27 • (DUP) 10/29/15 15:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Fluoride	0.132	0.132	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 10:01 • (LCSD) 10/29/15 09:02

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Fluoride	8.00	8.09	7.52	101	94	90-110			7	20

L796587-03 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/29/15 11:52 • (MS) 10/29/15 12:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Fluoride	5.00	0.0557	5.05	100	1	80-120	



L796143-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 17:00 • (MS) 10/29/15 17:15 • (MSD) 10/29/15 17:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Fluoride	5.00	1.11	5.95	5.47	97	87	1	80-120			8	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/22/15 17:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000049	0.000200

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/22/15 17:18 • (LCSD) 10/22/15 17:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00287	0.00299	96	100	80-120			4	20

6 Qc

L798587-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/22/15 17:24 • (MS) 10/22/15 17:26 • (MSD) 10/22/15 17:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00000366	0.00175	0.00190	58	63	1	75-125	F	F	8	20

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/28/15 10:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	0.000431		0.00024	0.00200
Manganese	U		0.00025	0.00500
Nickel	U		0.00035	0.00200
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00
Vanadium	0.000195		0.00018	0.00500

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 10:40 • (LCSD) 10/28/15 10:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0479	0.0482	96	96	80-120			1	20
Barium	0.0500	0.0506	0.0480	101	96	80-120			5	20
Calcium	5.00	5.44	4.74	109	95	80-120			14	20
Chromium	0.0500	0.0495	0.0493	99	99	80-120			0	20
Iron	5.00	4.84	4.81	97	96	80-120			1	20
Lead	0.0500	0.0495	0.0487	99	97	80-120			2	20
Manganese	0.0500	0.0516	0.0483	103	97	80-120			7	20
Nickel	0.0500	0.0508	0.0499	102	100	80-120			2	20
Potassium	5.00	4.80	4.76	96	95	80-120			1	20
Selenium	0.0500	0.0464	0.0477	93	95	80-120			3	20
Sodium	5.00	5.20	4.96	104	99	80-120			5	20
Vanadium	0.0500	0.0488	0.0481	98	96	80-120			1	20



L798587-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 10:45 • (MS) 10/28/15 10:50 • (MSD) 10/28/15 10:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000621	0.0480	0.0496	95	98	1	75-125			3	20
Barium	0.0500	0.00137	0.0498	0.0524	97	102	1	75-125			5	20
Calcium	5.00	0.447	4.77	4.98	86	91	1	75-125			4	20
Chromium	0.0500	0.000206	0.0487	0.0493	97	98	1	75-125			1	20
Potassium	5.00	ND	4.72	4.88	94	98	1	75-125			3	20
Iron	5.00	ND	4.74	4.85	95	97	1	75-125			2	20
Lead	0.0500	0.000108	0.0491	0.0510	98	102	1	75-125			4	20
Manganese	0.0500	0.000759	0.0481	0.0493	95	97	1	75-125			3	20
Nickel	0.0500	0.000101	0.0493	0.0506	98	101	1	75-125			2	20
Selenium	0.0500	ND	0.0476	0.0487	95	97	1	75-125			2	20
Sodium	5.00	0.489	5.35	5.50	97	100	1	75-125			3	20
Vanadium	0.0500	0.000313	0.0480	0.0487	95	97	1	75-125			1	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/27/15 18:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	U		0.00025	0.00500
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 18:32 • (LCSD) 10/27/15 18:34

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Arsenic	0.0500	0.0489	0.0482	98	96	80-120			1	20
Barium	0.0500	0.0508	0.0509	102	102	80-120			0	20
Calcium	5.00	5.07	5.03	101	101	80-120			1	20
Chromium	0.0500	0.0510	0.0505	102	101	80-120			1	20
Iron	5.00	4.99	4.91	100	98	80-120			2	20
Lead	0.0500	0.0514	0.0512	103	102	80-120			0	20
Manganese	0.0500	0.0494	0.0491	99	98	80-120			1	20
Potassium	5.00	4.96	5.01	99	100	80-120			1	20
Selenium	0.0500	0.0479	0.0471	96	94	80-120			2	20
Sodium	5.00	5.25	5.26	105	105	80-120			0	20

L798300-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 18:36 • (MS) 10/27/15 18:41 • (MSD) 10/27/15 18:43

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Arsenic	0.0500	0.00635	0.0566	0.0582	101	104	1	75-125			3	20
Barium	0.0500	0.00939	0.0606	0.0616	102	104	1	75-125			2	20
Calcium	5.00	530	525	526	0	0	1	75-125	<u>4</u>	<u>4</u>	0	20



L798300-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 18:36 • (MS) 10/27/15 18:41 • (MSD) 10/27/15 18:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	0.0500	0.000124	0.0467	0.0468	93	93	1	75-125			0	20
Potassium	5.00	2.00	6.87	6.86	97	97	1	75-125			0	20
Iron	5.00	0.00328	4.57	4.56	91	91	1	75-125			0	20
Lead	0.0500	0.000127	0.0499	0.0500	100	100	1	75-125			0	20
Manganese	0.0500	0.658	0.688	0.689	59	62	1	75-125	<u>4</u>	<u>4</u>	0	20
Selenium	0.0500	0.0290	0.0776	0.0771	97	96	1	75-125			1	20
Sodium	5.00	436	436	436	1	0	1	75-125	<u>4</u>	<u>4</u>	0	20

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/29/15 11:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Arsenic	U		0.00025	0.00200
Barium	U		0.00036	0.00500
Calcium	U		0.046	1.00
Chromium	U		0.00054	0.00200
Iron	U		0.015	0.100
Lead	U		0.00024	0.00200
Manganese	U		0.00025	0.00500
Potassium	U		0.037	1.00
Selenium	U		0.00038	0.00200
Sodium	U		0.11	1.00

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 11:03 • (LCSD) 10/29/15 11:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Arsenic	0.0500	0.0501	0.0483	100	97	80-120			4	20
Barium	0.0500	0.0518	0.0523	104	105	80-120			1	20
Calcium	5.00	5.29	5.15	106	103	80-120			3	20
Chromium	0.0500	0.0516	0.0502	103	100	80-120			3	20
Iron	5.00	5.08	4.99	102	100	80-120			2	20
Lead	0.0500	0.0505	0.0497	101	99	80-120			2	20
Manganese	0.0500	0.0503	0.0494	101	99	80-120			2	20
Potassium	5.00	5.18	5.06	104	101	80-120			2	20
Selenium	0.0500	0.0495	0.0488	99	98	80-120			1	20
Sodium	5.00	5.35	5.34	107	107	80-120			0	20

L798466-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 11:07 • (MS) 10/29/15 11:12 • (MSD) 10/29/15 11:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Arsenic	0.0500	0.00880	0.0573	0.0597	97	102	1	75-125			4	20
Barium	0.0500	0.0179	0.0691	0.0709	102	106	1	75-125			3	20
Calcium	5.00	416	421	416	96	0	1	75-125		<u>4</u>	1	20



L798466-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 11:07 • (MS) 10/29/15 11:12 • (MSD) 10/29/15 11:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	0.0500	0.000372	0.0466	0.0486	92	96	1	75-125			4	20
Potassium	5.00	0.569	5.37	5.46	96	98	1	75-125			2	20
Iron	5.00	0.291	4.89	5.00	92	94	1	75-125			2	20
Lead	0.0500	0.000328	0.0483	0.0491	96	98	1	75-125			2	20
Manganese	0.0500	0.342	0.382	0.382	79	81	1	75-125			0	20
Selenium	0.0500	0.000195	0.0445	0.0457	89	91	1	75-125			3	20
Sodium	5.00	191	199	199	154	163	1	75-125	<u>4</u>	<u>4</u>	0	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) 10/27/15 06:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		0.0314	0.100
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	97.2			62.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 05:49 • (LCSD) 10/27/15 06:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	5.38	5.68	97.7	103	67.0-132			5.50	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>				96.0	99.1	62.0-128				

L795810-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 09:06 • (MS) 10/27/15 07:59 • (MSD) 10/27/15 08:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	ND	5.31	5.31	96.5	96.5	1	50.0-143			0.0800	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>					95.7	97.4		62.0-128				



Method Blank (MB)

(MB) 10/24/15 14:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		0.0314	0.100
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	96.9			62.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 13:44 • (LCSD) 10/24/15 14:08

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	5.87	5.87	107	107	67.0-132			0.0700	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>				106	105	62.0-128				

L798587-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 20:31 • (MS) 10/24/15 21:46 • (MSD) 10/24/15 22:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	2.68	5.94	6.59	59.2	71.2	1	50.0-143			10.5	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>					106	108		62.0-128				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/27/15 06:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		0.0314	0.100
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	91.8			62.0-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 05:43 • (LCSD) 10/27/15 06:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	5.81	5.98	106	109	67.0-132			2.85	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>				100	102	62.0-128				

L796143-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 09:05 • (MS) 10/27/15 07:59 • (MSD) 10/27/15 08:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	1.24	6.16	6.15	89.5	89.3	1	50.0-143			0.170	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>					99.3	99.2		62.0-128				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) 10/28/15 08:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		0.0314	0.100
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	92.5			62.0-128

1 Cp

2 Tc

3 Ss

4 Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 07:26 • (LCSD) 10/28/15 07:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	4.88	4.90	88.7	89.2	67.0-132			0.570	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>				100	100	62.0-128				

5 Sr

6 Qc

L796056-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 12:27 • (MS) 10/28/15 09:07 • (MSD) 10/28/15 09:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	0.727	5.15	5.54	80.4	87.5	1	50.0-143			7.35	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>					99.4	101		62.0-128				

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/28/15 22:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
TPH (GC/FID) Low Fraction	0.0319		0.0314	0.100
<i>(S) a,a,a-Trifluorotoluene(FID)</i>	92.9			62.0-128

1 Cp

2 Tc

3 Ss

4 Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 21:24 • (LCSD) 10/28/15 21:46

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	4.79	4.61	87.2	83.9	67.0-132			3.88	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>				99.9	99.8	62.0-128				

5 Sr

6 Qc

L797051-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 23:15 • (MS) 10/29/15 04:02 • (MSD) 10/29/15 04:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	4.34	4.00	78.9	72.8	1	50.0-143			8.04	20
<i>(S) a,a,a-Trifluorotoluene(FID)</i>					99.3	98.5		62.0-128				

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/25/15 20:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/25/15 20:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	106			90.0-115
(S) Dibromofluoromethane	103			79.0-121
(S) 4-Bromofluorobenzene	96.9			80.1-120

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 19:10 • (LCSD) 10/25/15 19:31

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.140	0.144	112	115	28.7-175			2.54	20.9
Benzene	0.0250	0.0280	0.0279	112	112	73.0-122			0.340	20
Bromodichloromethane	0.0250	0.0250	0.0249	100	99.7	75.5-121			0.450	20
Bromoform	0.0250	0.0221	0.0226	88.4	90.5	71.5-131			2.34	20
Bromomethane	0.0250	0.0225	0.0226	89.9	90.3	22.4-187			0.410	20
n-Butylbenzene	0.0250	0.0244	0.0242	97.8	96.6	75.9-134			1.18	20
sec-Butylbenzene	0.0250	0.0236	0.0234	94.4	93.5	80.6-126			0.950	20
Carbon disulfide	0.0250	0.0230	0.0227	91.9	90.7	53.0-134			1.35	20
Carbon tetrachloride	0.0250	0.0240	0.0237	96.0	94.7	70.9-129			1.41	20
Chlorobenzene	0.0250	0.0243	0.0242	97.0	96.8	79.7-122			0.240	20
Chlorodibromomethane	0.0250	0.0232	0.0236	92.9	94.2	78.2-124			1.39	20
Chloroethane	0.0250	0.0230	0.0228	91.9	91.3	41.2-153			0.660	20
Chloroform	0.0250	0.0270	0.0273	108	109	73.2-125			1.20	20
Chloromethane	0.0250	0.0258	0.0256	103	102	55.8-134			0.780	20
1,2-Dibromoethane	0.0250	0.0245	0.0252	98.0	101	79.8-122			2.85	20
1,1-Dichloroethane	0.0250	0.0273	0.0272	109	109	71.7-127			0.450	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 19:10 • (LCSD) 10/25/15 19:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0256	0.0262	102	105	65.3-126			2.50	20
1,1-Dichloroethene	0.0250	0.0223	0.0222	89.1	88.6	59.9-137			0.510	20
cis-1,2-Dichloroethene	0.0250	0.0275	0.0275	110	110	77.3-122			0.0600	20
trans-1,2-Dichloroethene	0.0250	0.0266	0.0260	106	104	72.6-125			2.02	20
1,2-Dichloropropane	0.0250	0.0275	0.0274	110	109	77.4-125			0.420	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0268	107	107	77.7-124			0.580	20
trans-1,3-Dichloropropene	0.0250	0.0258	0.0261	103	104	73.5-127			1.10	20
Ethylbenzene	0.0250	0.0238	0.0238	95.2	95.0	80.9-121			0.240	20
2-Hexanone	0.125	0.119	0.126	95.2	101	59.4-151			5.56	20
Isopropylbenzene	0.0250	0.0238	0.0237	95.3	94.7	81.6-124			0.630	20
p-Isopropyltoluene	0.0250	0.0226	0.0224	90.5	89.5	77.6-129			1.10	20
2-Butanone (MEK)	0.125	0.139	0.146	111	117	46.4-155			4.53	20
Methylene Chloride	0.0250	0.0268	0.0268	107	107	69.5-120			0.0900	20
4-Methyl-2-pentanone (MIBK)	0.125	0.123	0.129	98.7	103	63.3-138			4.30	20
Methyl tert-butyl ether	0.0250	0.0265	0.0272	106	109	70.1-125			2.34	20
Naphthalene	0.0250	0.0250	0.0260	99.9	104	69.7-134			4.12	20
n-Propylbenzene	0.0250	0.0238	0.0236	95.1	94.6	81.9-122			0.510	20
Styrene	0.0250	0.0247	0.0247	98.8	98.7	79.9-124			0.100	20
1,1,1,2-Tetrachloroethane	0.0250	0.0221	0.0222	88.4	88.8	78.5-125			0.490	20
1,1,2,2-Tetrachloroethane	0.0250	0.0249	0.0256	99.4	103	79.3-123			3.12	20
Tetrachloroethene	0.0250	0.0225	0.0225	90.0	89.9	73.5-130			0.0800	20
Toluene	0.0250	0.0261	0.0259	104	104	77.9-116			0.710	20
1,1,1-Trichloroethane	0.0250	0.0254	0.0251	101	100	71.1-129			0.960	20
1,1,2-Trichloroethane	0.0250	0.0256	0.0259	102	104	81.6-120			1.41	20
Trichloroethene	0.0250	0.0247	0.0246	98.8	98.3	79.5-121			0.510	20
1,2,4-Trimethylbenzene	0.0250	0.0233	0.0233	93.1	93.1	79.0-122			0.0400	20
1,3,5-Trimethylbenzene	0.0250	0.0234	0.0229	93.4	91.7	81.0-123			1.86	20
Vinyl chloride	0.0250	0.0251	0.0254	100	102	61.5-134			1.18	20
Xylenes, Total	0.0750	0.0717	0.0710	95.6	94.6	79.2-122			0.990	20
o-Xylene	0.0250	0.0236	0.0236	94.4	94.3	79.1-123			0.0800	20
m&p-Xylenes	0.0500	0.0481	0.0474	96.2	94.8	78.5-122			1.44	20
(S) Toluene-d8				107	107	90.0-115				
(S) Dibromofluoromethane				105	103	79.0-121				
(S) 4-Bromofluorobenzene				95.9	94.8	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798587-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 22:24 • (MS) 10/25/15 21:20 • (MSD) 10/25/15 21:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00309	0.139	0.143	109	112	1	25.0-156			2.73	21.5
Benzene	0.0250	ND	0.0277	0.0274	111	110	1	58.6-133			1.09	20
Bromodichloromethane	0.0250	ND	0.0237	0.0236	94.8	94.2	1	69.2-127			0.570	20
Bromoform	0.0250	ND	0.0217	0.0222	86.8	88.7	1	66.3-140			2.20	20
Bromomethane	0.0250	ND	0.0224	0.0221	89.6	88.6	1	16.6-183			1.15	20.5
n-Butylbenzene	0.0250	ND	0.0272	0.0267	109	107	1	64.8-145			2.07	20
sec-Butylbenzene	0.0250	ND	0.0265	0.0255	106	102	1	66.8-139			3.93	20
Carbon disulfide	0.0250	ND	0.0251	0.0242	101	96.9	1	34.9-138			3.77	20
Carbon tetrachloride	0.0250	ND	0.0264	0.0256	106	102	1	60.6-139			3.15	20
Chlorobenzene	0.0250	ND	0.0242	0.0237	96.8	94.7	1	70.1-130			2.16	20
Chlorodibromomethane	0.0250	ND	0.0225	0.0225	89.8	90.1	1	71.6-132			0.300	20
Chloroethane	0.0250	ND	0.0241	0.0238	96.3	95.3	1	33.3-155			1.12	20
Chloroform	0.0250	ND	0.0266	0.0263	106	105	1	66.1-133			1.01	20
Chloromethane	0.0250	ND	0.0260	0.0255	104	102	1	40.7-139			1.97	20
1,2-Dibromoethane	0.0250	ND	0.0238	0.0237	95.1	94.7	1	73.8-131			0.420	20
1,1-Dichloroethane	0.0250	ND	0.0273	0.0268	109	107	1	64.0-134			1.78	20
1,2-Dichloroethane	0.0250	ND	0.0238	0.0240	95.1	95.9	1	60.7-132			0.860	20
1,1-Dichloroethene	0.0250	ND	0.0251	0.0240	100	96.0	1	48.8-144			4.41	20
cis-1,2-Dichloroethene	0.0250	ND	0.0270	0.0266	108	106	1	60.6-136			1.50	20
trans-1,2-Dichloroethene	0.0250	ND	0.0269	0.0266	108	106	1	61.0-132			1.15	20
1,2-Dichloropropane	0.0250	ND	0.0263	0.0259	105	104	1	69.7-130			1.37	20
cis-1,3-Dichloropropene	0.0250	ND	0.0250	0.0250	100	100	1	71.1-129			0.0300	20
trans-1,3-Dichloropropene	0.0250	ND	0.0255	0.0253	102	101	1	66.3-136			0.910	20
Ethylbenzene	0.0250	ND	0.0248	0.0244	99.3	97.5	1	62.7-136			1.86	20
2-Hexanone	0.125	ND	0.119	0.120	95.3	95.9	1	59.4-154			0.590	20.1
Isopropylbenzene	0.0250	ND	0.0258	0.0250	103	100	1	67.4-136			3.17	20
p-Isopropyltoluene	0.0250	ND	0.0251	0.0239	100	95.8	1	62.8-143			4.74	20
2-Butanone (MEK)	0.125	0.000859	0.142	0.145	113	116	1	45.0-156			2.47	20.8
Methylene Chloride	0.0250	ND	0.0255	0.0254	102	102	1	61.5-125			0.470	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.125	0.124	99.7	99.5	1	60.7-150			0.160	20
Methyl tert-butyl ether	0.0250	0.00175	0.0268	0.0272	100	102	1	61.4-136			1.49	20
Naphthalene	0.0250	ND	0.0259	0.0268	104	107	1	61.8-143			3.38	20
n-Propylbenzene	0.0250	ND	0.0262	0.0252	105	101	1	63.2-139			3.58	20
Styrene	0.0250	ND	0.0244	0.0239	97.4	95.5	1	68.2-133			1.99	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0219	0.0218	87.8	87.2	1	70.5-132			0.670	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0256	0.0255	103	102	1	64.9-145			0.570	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798587-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 22:24 • (MS) 10/25/15 21:20 • (MSD) 10/25/15 21:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0248	0.0242	99.1	97.0	1	57.4-141			2.18	20
Toluene	0.0250	ND	0.0264	0.0255	106	102	1	67.8-124			3.53	20
1,1,1-Trichloroethane	0.0250	ND	0.0276	0.0266	110	106	1	58.7-134			3.79	20
1,1,2-Trichloroethane	0.0250	ND	0.0249	0.0249	99.5	99.6	1	74.1-130			0.0800	20
Trichloroethene	0.0250	ND	0.0251	0.0246	100	98.3	1	48.9-148			2.04	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0246	0.0238	98.2	95.1	1	60.5-137			3.26	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0250	0.0239	100	95.5	1	67.9-134			4.61	20
Vinyl chloride	0.0250	ND	0.0272	0.0265	109	106	1	44.3-143			2.60	20
Xylenes, Total	0.0750	ND	0.0748	0.0721	99.7	96.2	1	65.6-133			3.62	20
o-Xylene	0.0250	ND	0.0243	0.0237	97.2	94.9	1	67.1-133			2.40	20
m&p-Xylenes	0.0500	ND	0.0505	0.0484	101	96.8	1	64.1-133			4.21	20
(S) Toluene-d8					106	105		90.0-115				
(S) Dibromofluoromethane					103	103		79.0-121				
(S) 4-Bromofluorobenzene					97.9	96.8		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/25/15 11:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	0.00125		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
Tetrachloroethene	U		0.000372	0.00100
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
Toluene	U		0.000780	0.00500

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/25/15 11:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
Trichloroethene	U		0.000398	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	99.5			90.0-115
(S) Dibromofluoromethane	96.7			79.0-121
(S) 4-Bromofluorobenzene	87.6			80.1-120

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 09:52 • (LCSD) 10/25/15 10:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.101	0.100	81.1	80.3	28.7-175			1.02	20.9
Benzene	0.0250	0.0244	0.0244	97.5	97.8	73.0-122			0.240	20
Bromodichloromethane	0.0250	0.0239	0.0240	95.7	95.9	75.5-121			0.260	20
Bromoform	0.0250	0.0276	0.0281	110	112	71.5-131			1.85	20
Bromomethane	0.0250	0.0250	0.0251	99.9	101	22.4-187			0.630	20
n-Butylbenzene	0.0250	0.0243	0.0257	97.1	103	75.9-134			5.58	20
sec-Butylbenzene	0.0250	0.0238	0.0250	95.1	100	80.6-126			5.14	20
Carbon disulfide	0.0250	0.0242	0.0241	96.8	96.3	53.0-134			0.460	20
Carbon tetrachloride	0.0250	0.0256	0.0256	103	102	70.9-129			0.280	20
Chlorobenzene	0.0250	0.0254	0.0259	102	103	79.7-122			1.84	20
Chlorodibromomethane	0.0250	0.0253	0.0255	101	102	78.2-124			0.790	20
Chloroethane	0.0250	0.0241	0.0231	96.5	92.3	41.2-153			4.44	20
Chloroform	0.0250	0.0234	0.0238	93.8	95.0	73.2-125			1.32	20
Chloromethane	0.0250	0.0243	0.0242	97.4	96.7	55.8-134			0.690	20
1,2-Dibromoethane	0.0250	0.0240	0.0244	95.9	97.7	79.8-122			1.90	20
1,1-Dichloroethane	0.0250	0.0245	0.0246	98.0	98.2	71.7-127			0.260	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 09:52 • (LCSD) 10/25/15 10:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0211	0.0208	84.6	83.1	65.3-126			1.71	20
1,1-Dichloroethene	0.0250	0.0225	0.0225	89.8	89.9	59.9-137			0.100	20
cis-1,2-Dichloroethene	0.0250	0.0248	0.0244	99.2	97.7	77.3-122			1.54	20
trans-1,2-Dichloroethene	0.0250	0.0248	0.0244	99.2	97.8	72.6-125			1.47	20
1,2-Dichloropropane	0.0250	0.0258	0.0264	103	106	77.4-125			2.19	20
cis-1,3-Dichloropropene	0.0250	0.0260	0.0266	104	106	77.7-124			2.03	20
trans-1,3-Dichloropropene	0.0250	0.0244	0.0245	97.8	98.0	73.5-127			0.170	20
Ethylbenzene	0.0250	0.0249	0.0259	99.8	104	80.9-121			3.70	20
2-Hexanone	0.125	0.119	0.121	95.3	96.6	59.4-151			1.40	20
Isopropylbenzene	0.0250	0.0246	0.0254	98.4	101	81.6-124			3.06	20
p-Isopropyltoluene	0.0250	0.0244	0.0257	97.7	103	77.6-129			5.20	20
2-Butanone (MEK)	0.125	0.115	0.114	91.8	91.2	46.4-155			0.620	20
Methylene Chloride	0.0250	0.0209	0.0205	83.6	82.2	69.5-120			1.69	20
4-Methyl-2-pentanone (MIBK)	0.125	0.103	0.104	82.8	83.2	63.3-138			0.500	20
Methyl tert-butyl ether	0.0250	0.0219	0.0218	87.6	87.3	70.1-125			0.300	20
Naphthalene	0.0250	0.0213	0.0217	85.0	86.8	69.7-134			2.11	20
n-Propylbenzene	0.0250	0.0241	0.0250	96.2	99.8	81.9-122			3.66	20
Styrene	0.0250	0.0238	0.0244	95.2	97.5	79.9-124			2.39	20
1,1,1,2-Tetrachloroethane	0.0250	0.0259	0.0261	104	104	78.5-125			0.730	20
Tetrachloroethene	0.0250	0.0278	0.0286	111	115	73.5-130			3.13	20
1,1,2,2-Tetrachloroethane	0.0250	0.0229	0.0237	91.7	95.0	79.3-123			3.57	20
Toluene	0.0250	0.0243	0.0248	97.3	99.1	77.9-116			1.82	20
1,1,1-Trichloroethane	0.0250	0.0237	0.0237	94.7	94.7	71.1-129			0.0600	20
1,1,2-Trichloroethane	0.0250	0.0243	0.0241	97.3	96.3	81.6-120			1.05	20
Trichloroethene	0.0250	0.0277	0.0278	111	111	79.5-121			0.470	20
1,2,4-Trimethylbenzene	0.0250	0.0239	0.0248	95.5	99.4	79.0-122			3.93	20
1,3,5-Trimethylbenzene	0.0250	0.0244	0.0250	97.4	100	81.0-123			2.74	20
Vinyl chloride	0.0250	0.0230	0.0235	92.1	94.1	61.5-134			2.09	20
Xylenes, Total	0.0750	0.0762	0.0777	102	104	79.2-122			1.87	20
o-Xylene	0.0250	0.0251	0.0256	100	102	79.1-123			2.03	20
m&p-Xylenes	0.0500	0.0511	0.0521	102	104	78.5-122			1.79	20
(S) Toluene-d8				101	101	90.0-115				
(S) Dibromofluoromethane				93.2	93.3	79.0-121				
(S) 4-Bromofluorobenzene				91.9	92.3	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L795756-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 12:13 • (MS) 10/25/15 10:38 • (MSD) 10/25/15 10:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.111	0.164	0.143	43.0	26.0	1	25.0-156			13.8	21.5
Benzene	0.0250	0.000765	0.0239	0.0228	92.4	88.1	1	58.6-133			4.62	20
Bromodichloromethane	0.0250	0.000770	0.0240	0.0231	93.1	89.3	1	69.2-127			4.00	20
Bromoform	0.0250	ND	0.0300	0.0272	120	109	1	66.3-140			9.62	20
Bromomethane	0.0250	ND	0.0216	0.0198	86.6	79.4	1	16.6-183			8.71	20.5
n-Butylbenzene	0.0250	ND	0.0251	0.0239	100	95.7	1	64.8-145			4.67	20
sec-Butylbenzene	0.0250	ND	0.0234	0.0222	93.5	88.9	1	66.8-139			5.02	20
Carbon disulfide	0.0250	2.06	1.85	1.87	0.000	0.000	1	34.9-138	F	F	1.00	20
Carbon tetrachloride	0.0250	ND	0.0253	0.0238	101	95.4	1	60.6-139			6.01	20
Chlorobenzene	0.0250	ND	0.0246	0.0229	98.5	91.4	1	70.1-130			7.42	20
Chlorodibromomethane	0.0250	ND	0.0254	0.0236	102	94.5	1	71.6-132			7.38	20
Chloroethane	0.0250	ND	0.0213	0.0209	85.3	83.5	1	33.3-155			2.14	20
Chloroform	0.0250	0.00564	0.0284	0.0269	91.2	85.2	1	66.1-133			5.49	20
Chloromethane	0.0250	ND	0.0209	0.0198	83.7	79.3	1	40.7-139			5.46	20
1,2-Dibromoethane	0.0250	ND	0.0251	0.0234	100	93.6	1	73.8-131			6.95	20
1,1-Dichloroethane	0.0250	ND	0.0239	0.0225	95.5	90.0	1	64.0-134			5.88	20
1,2-Dichloroethane	0.0250	ND	0.0204	0.0194	81.8	77.7	1	60.7-132			5.11	20
1,1-Dichloroethene	0.0250	ND	0.0206	0.0197	82.3	78.9	1	48.8-144			4.23	20
trans-1,2-Dichloroethene	0.0250	ND	0.0224	0.0212	89.5	84.7	1	61.0-132			5.49	20
cis-1,2-Dichloroethene	0.0250	ND	0.0236	0.0226	94.4	90.5	1	60.6-136			4.12	20
1,2-Dichloropropane	0.0250	0.00142	0.0247	0.0241	93.0	90.9	1	69.7-130			2.18	20
cis-1,3-Dichloropropene	0.0250	ND	0.0245	0.0230	97.9	92.1	1	71.1-129			6.13	20
trans-1,3-Dichloropropene	0.0250	0.000656	0.0242	0.0229	94.2	89.0	1	66.3-136			5.53	20
Ethylbenzene	0.0250	ND	0.0244	0.0231	97.4	92.3	1	62.7-136			5.42	20
2-Hexanone	0.125	ND	0.122	0.114	97.4	91.3	1	59.4-154			6.48	20.1
Isopropylbenzene	0.0250	ND	0.0240	0.0227	96.2	90.9	1	67.4-136			5.71	20
p-Isopropyltoluene	0.0250	ND	0.0237	0.0226	94.8	90.4	1	62.8-143			4.71	20
Methylene Chloride	0.0250	0.000546	0.0198	0.0184	76.9	71.3	1	61.5-125			7.22	20
2-Butanone (MEK)	0.125	0.00478	0.114	0.109	87.0	83.2	1	45.0-156			4.30	20.8
4-Methyl-2-pentanone (MIBK)	0.125	0.000534	0.127	0.122	101	97.4	1	60.7-150			3.97	20
Methyl tert-butyl ether	0.0250	ND	0.0227	0.0214	91.0	85.7	1	61.4-136			5.94	20
Naphthalene	0.0250	0.00125	0.0255	0.0257	96.9	97.8	1	61.8-143			0.850	20
n-Propylbenzene	0.0250	ND	0.0235	0.0223	94.0	89.1	1	63.2-139			5.34	20
Styrene	0.0250	ND	0.0213	0.0205	85.3	81.8	1	68.2-133			4.13	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0255	0.0235	102	94.1	1	70.5-132			7.95	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0262	0.0251	105	100	1	64.9-145			4.56	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L795756-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 12:13 • (MS) 10/25/15 10:38 • (MSD) 10/25/15 10:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0261	0.0246	104	98.5	1	57.4-141			5.65	20
Toluene	0.0250	ND	0.0231	0.0224	92.5	89.5	1	67.8-124			3.28	20
1,1,1-Trichloroethane	0.0250	ND	0.0234	0.0223	93.5	89.3	1	58.7-134			4.50	20
Trichloroethene	0.0250	0.000956	0.0265	0.0255	102	98.3	1	48.9-148			3.59	20
1,1,2-Trichloroethane	0.0250	ND	0.0245	0.0235	98.0	93.9	1	74.1-130			4.26	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0230	0.0220	91.9	87.9	1	60.5-137			4.40	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0235	0.0225	94.1	89.9	1	67.9-134			4.55	20
Vinyl chloride	0.0250	ND	0.0211	0.0202	84.5	80.8	1	44.3-143			4.43	20
Xylenes, Total	0.0750	ND	0.0736	0.0685	98.1	91.4	1	65.6-133			7.16	20
o-Xylene	0.0250	ND	0.0240	0.0223	95.9	89.4	1	67.1-133			7.08	20
m&p-Xylenes	0.0500	ND	0.0496	0.0462	99.2	92.3	1	64.1-133			7.19	20
(S) Toluene-d8					99.4	101		90.0-115				
(S) Dibromofluoromethane					94.5	96.0		79.0-121				
(S) 4-Bromofluorobenzene					90.8	91.5		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/27/15 12:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/27/15 12:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylenes	U		0.000719	0.00100
(S) Toluene-d8	111			90.0-115
(S) Dibromofluoromethane	102			79.0-121
(S) 4-Bromofluorobenzene	104			80.1-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 09:40 • (LCSD) 10/27/15 10:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.137	0.141	109	112	28.7-175			2.78	20.9
Benzene	0.0250	0.0283	0.0289	113	116	73.0-122			2.34	20
Bromodichloromethane	0.0250	0.0221	0.0223	88.4	89.4	75.5-121			1.12	20
Bromoform	0.0250	0.0185	0.0198	74.1	79.1	71.5-131			6.48	20
Bromomethane	0.0250	0.0314	0.0331	126	132	22.4-187			5.13	20
n-Butylbenzene	0.0250	0.0229	0.0234	91.7	93.7	75.9-134			2.13	20
sec-Butylbenzene	0.0250	0.0224	0.0232	89.6	92.9	80.6-126			3.63	20
Carbon disulfide	0.0250	0.0239	0.0251	95.8	100	53.0-134			4.55	20
Carbon tetrachloride	0.0250	0.0209	0.0215	83.5	85.8	70.9-129			2.70	20
Chlorobenzene	0.0250	0.0229	0.0242	91.6	96.6	79.7-122			5.36	20
Chlorodibromomethane	0.0250	0.0196	0.0210	78.3	83.9	78.2-124			6.93	20
Chloroethane	0.0250	0.0278	0.0293	111	117	41.2-153			5.40	20
Chloroform	0.0250	0.0244	0.0249	97.7	99.5	73.2-125			1.83	20
Chloromethane	0.0250	0.0260	0.0268	104	107	55.8-134			3.28	20
1,2-Dibromoethane	0.0250	0.0229	0.0240	91.5	96.0	79.8-122			4.85	20
1,1-Dichloroethane	0.0250	0.0257	0.0259	103	103	71.7-127			0.620	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 09:40 • (LCSD) 10/27/15 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0254	0.0260	102	104	65.3-126			2.01	20
1,1-Dichloroethene	0.0250	0.0239	0.0245	95.7	97.9	59.9-137			2.25	20
cis-1,2-Dichloroethene	0.0250	0.0243	0.0243	97.3	97.2	77.3-122			0.140	20
trans-1,2-Dichloroethene	0.0250	0.0240	0.0241	95.9	96.5	72.6-125			0.630	20
1,2-Dichloropropane	0.0250	0.0267	0.0265	107	106	77.4-125			0.680	20
cis-1,3-Dichloropropene	0.0250	0.0254	0.0264	102	105	77.7-124			3.52	20
trans-1,3-Dichloropropene	0.0250	0.0268	0.0277	107	111	73.5-127			3.20	20
Ethylbenzene	0.0250	0.0221	0.0231	88.6	92.4	80.9-121			4.20	20
2-Hexanone	0.125	0.132	0.140	106	112	59.4-151			5.60	20
Isopropylbenzene	0.0250	0.0216	0.0224	86.5	89.5	81.6-124			3.40	20
p-Isopropyltoluene	0.0250	0.0216	0.0224	86.2	89.4	77.6-129			3.62	20
2-Butanone (MEK)	0.125	0.146	0.150	117	120	46.4-155			2.48	20
Methylene Chloride	0.0250	0.0251	0.0255	100	102	69.5-120			1.52	20
4-Methyl-2-pentanone (MIBK)	0.125	0.128	0.131	102	105	63.3-138			2.57	20
Methyl tert-butyl ether	0.0250	0.0255	0.0255	102	102	70.1-125			0.240	20
Naphthalene	0.0250	0.0202	0.0210	81.0	83.8	69.7-134			3.50	20
n-Propylbenzene	0.0250	0.0229	0.0236	91.6	94.2	81.9-122			2.84	20
Styrene	0.0250	0.0259	0.0269	103	107	79.9-124			3.82	20
1,1,1,2-Tetrachloroethane	0.0250	0.0178	0.0184	71.0	73.8	78.5-125	*	*	3.81	20
1,1,2,2-Tetrachloroethane	0.0250	0.0215	0.0220	86.0	87.8	79.3-123	-	-	2.13	20
Tetrachloroethene	0.0250	0.0200	0.0207	79.9	82.8	73.5-130			3.65	20
Toluene	0.0250	0.0251	0.0257	101	103	77.9-116			2.16	20
1,1,1-Trichloroethane	0.0250	0.0232	0.0238	93.0	95.4	71.1-129			2.56	20
1,1,2-Trichloroethane	0.0250	0.0217	0.0229	86.9	91.8	81.6-120			5.51	20
Trichloroethene	0.0250	0.0230	0.0231	91.9	92.2	79.5-121			0.370	20
1,2,4-Trimethylbenzene	0.0250	0.0222	0.0224	88.7	89.5	79.0-122			0.930	20
1,3,5-Trimethylbenzene	0.0250	0.0222	0.0229	88.7	91.4	81.0-123			2.99	20
Vinyl chloride	0.0250	0.0254	0.0264	102	106	61.5-134			3.88	20
Xylenes, Total	0.0750	0.0669	0.0690	89.2	92.0	79.2-122			3.07	20
o-Xylene	0.0250	0.0220	0.0227	88.2	90.6	79.1-123			2.70	20
m&p-Xylenes	0.0500	0.0449	0.0463	89.7	92.7	78.5-122			3.25	20
(S) Toluene-d8				113	112	90.0-115				
(S) Dibromofluoromethane				106	104	79.0-121				
(S) 4-Bromofluorobenzene				106	108	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798576-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 14:42 • (MS) 10/27/15 15:03 • (MSD) 10/27/15 15:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00212	0.0529	0.0547	40.7	42.0	1	25.0-156			3.19	21.5
Benzene	0.0250	ND	0.0172	0.0174	68.8	69.5	1	58.6-133			0.970	20
Bromodichloromethane	0.0250	ND	0.0176	0.0178	70.2	71.3	1	69.2-127			1.48	20
Bromoform	0.0250	ND	0.0159	0.0166	63.4	66.3	1	66.3-140	F		4.35	20
Bromomethane	0.0250	ND	0.0109	0.0114	43.5	45.8	1	16.6-183			5.21	20.5
n-Butylbenzene	0.0250	ND	0.0206	0.0205	82.2	81.9	1	64.8-145			0.380	20
sec-Butylbenzene	0.0250	ND	0.0191	0.0191	76.3	76.3	1	66.8-139			0.0500	20
Carbon disulfide	0.0250	ND	0.00325	0.00334	13.0	13.4	1	34.9-138	F	F	2.67	20
Carbon tetrachloride	0.0250	ND	0.0135	0.0140	54.0	56.1	1	60.6-139	F	F	3.80	20
Chlorobenzene	0.0250	ND	0.0175	0.0181	70.0	72.5	1	70.1-130	F		3.53	20
Chlorodibromomethane	0.0250	ND	0.0163	0.0174	65.3	69.4	1	71.6-132	F	F	6.04	20
Chloroethane	0.0250	ND	0.0120	0.0123	48.2	49.1	1	33.3-155			1.96	20
Chloroform	0.0250	ND	0.0183	0.0188	73.4	75.1	1	66.1-133			2.42	20
Chloromethane	0.0250	ND	0.00804	0.00809	32.1	32.4	1	40.7-139	F	F	0.680	20
1,2-Dibromoethane	0.0250	ND	0.0174	0.0181	69.8	72.3	1	73.8-131	F	F	3.53	20
1,1-Dichloroethane	0.0250	ND	0.0178	0.0180	71.1	72.1	1	64.0-134			1.45	20
1,2-Dichloroethane	0.0250	ND	0.0183	0.0183	73.2	73.4	1	60.7-132			0.170	20
1,1-Dichloroethene	0.0250	ND	0.0119	0.0119	47.5	47.7	1	48.8-144	F	F	0.450	20
cis-1,2-Dichloroethene	0.0250	ND	0.0160	0.0159	63.8	63.7	1	60.6-136			0.280	20
trans-1,2-Dichloroethene	0.0250	ND	0.0110	0.0111	44.1	44.2	1	61.0-132	F	F	0.330	20
1,2-Dichloropropane	0.0250	ND	0.0196	0.0201	78.4	80.5	1	69.7-130			2.62	20
cis-1,3-Dichloropropene	0.0250	ND	0.0190	0.0191	75.8	76.5	1	71.1-129			0.910	20
trans-1,3-Dichloropropene	0.0250	ND	0.0210	0.0210	83.9	84.0	1	66.3-136			0.200	20
Ethylbenzene	0.0250	ND	0.0163	0.0167	65.1	66.7	1	62.7-136			2.41	20
2-Hexanone	0.125	ND	0.0943	0.0975	75.4	78.0	1	59.4-154			3.39	20.1
Isopropylbenzene	0.0250	ND	0.0172	0.0177	68.7	70.8	1	67.4-136			2.94	20
p-Isopropyltoluene	0.0250	ND	0.0185	0.0187	74.2	74.7	1	62.8-143			0.740	20
2-Butanone (MEK)	0.125	ND	0.0853	0.0864	68.2	69.1	1	45.0-156			1.32	20.8
Methylene Chloride	0.0250	ND	0.0150	0.0154	60.1	61.8	1	61.5-125	F		2.74	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.111	0.113	88.7	90.0	1	60.7-150			1.44	20
Methyl tert-butyl ether	0.0250	0.000324	0.0205	0.0214	80.9	84.3	1	61.4-136			4.07	20
Naphthalene	0.0250	ND	0.0175	0.0182	70.0	72.8	1	61.8-143			3.95	20
n-Propylbenzene	0.0250	ND	0.0186	0.0189	74.4	75.7	1	63.2-139			1.76	20
Styrene	0.0250	ND	0.0205	0.0210	82.0	83.9	1	68.2-133			2.36	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0148	0.0152	59.2	60.9	1	70.5-132	F	F	2.93	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0197	0.0206	78.8	82.3	1	64.9-145			4.35	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798576-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 14:42 • (MS) 10/27/15 15:03 • (MSD) 10/27/15 15:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0124	0.0125	49.8	49.9	1	57.4-141	F	F	0.320	20
Toluene	0.0250	ND	0.0166	0.0169	66.5	67.8	1	67.8-124	F		1.86	20
1,1,1-Trichloroethane	0.0250	ND	0.0166	0.0170	66.3	67.9	1	58.7-134			2.42	20
1,1,2-Trichloroethane	0.0250	ND	0.0188	0.0196	75.2	78.3	1	74.1-130			4.11	20
Trichloroethene	0.0250	ND	0.0138	0.0143	55.2	57.2	1	48.9-148			3.59	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0180	0.0185	72.1	73.8	1	60.5-137			2.36	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0180	0.0182	71.9	72.6	1	67.9-134			1.01	20
Vinyl chloride	0.0250	ND	0.00934	0.00924	37.4	36.9	1	44.3-143	F	F	1.09	20
Xylenes, Total	0.0750	ND	0.0495	0.0510	66.0	67.9	1	65.6-133			2.92	20
o-Xylene	0.0250	ND	0.0168	0.0170	67.1	68.1	1	67.1-133			1.51	20
m&p-Xylenes	0.0500	ND	0.0327	0.0339	65.4	67.8	1	64.1-133			3.64	20
(S) Toluene-d8					112	113		90.0-115				
(S) Dibromofluoromethane					104	104		79.0-121				
(S) 4-Bromofluorobenzene					106	107		80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/27/15 12:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Carbon disulfide	U		0.000275	0.00100
Methyl tert-butyl ether	U		0.000367	0.00100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 10:18 • (LCSD) 10/27/15 10:36

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Carbon disulfide	0.0250	0.0226	0.0223	90.5	89.4	53.0-134			1.26	20
Methyl tert-butyl ether	0.0250	0.0229	0.0220	91.5	87.8	70.1-125			4.05	20

L796395-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 14:36 • (MS) 10/27/15 13:06 • (MSD) 10/27/15 13:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Carbon disulfide	0.0250	ND	0.0209	0.0214	83.8	85.5	1	34.9-138			2.02	20
Methyl tert-butyl ether	0.0250	ND	0.0218	0.0210	87.0	83.9	1	61.4-136			3.62	20



Method Blank (MB)

(MB) 10/29/15 01:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromoethane	U		0.000381	0.00100
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
2-Hexanone	U		0.00382	0.0100
2-Butanone (MEK)	U		0.00393	0.0100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
Methylene Chloride	U		0.00100	0.00500
Methyl tert-butyl ether	U		0.000367	0.00100
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Naphthalene	U		0.00100	0.00500
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
n-Propylbenzene	U		0.000349	0.00100
Tetrachloroethene	U		0.000372	0.00100
Styrene	U		0.000307	0.00100

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/29/15 01:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
Toluene	U		0.000780	0.00500
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
Vinyl chloride	U		0.000259	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Xylenes, Total	U		0.00106	0.00300
o-Xylene	U		0.000341	0.00100
m&p-Xylene	U		0.000719	0.00100
(S) Toluene-d8	104			90.0-115
(S) Dibromofluoromethane	98.9			79.0-121
(S) 4-Bromofluorobenzene	103			80.1-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 23:54 • (LCSD) 10/29/15 00:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Acetone	0.125	0.0861	0.0841	68.8	67.3	28.7-175			2.26	20.9
Benzene	0.0250	0.0212	0.0216	84.8	86.5	73.0-122			1.90	20
Bromodichloromethane	0.0250	0.0275	0.0278	110	111	75.5-121			1.32	20
Bromoform	0.0250	0.0286	0.0273	115	109	71.5-131			4.79	20
Bromomethane	0.0250	0.0239	0.0236	95.6	94.4	22.4-187			1.25	20
n-Butylbenzene	0.0250	0.0263	0.0260	105	104	75.9-134			1.43	20
sec-Butylbenzene	0.0250	0.0266	0.0277	106	111	80.6-126			4.17	20
Carbon tetrachloride	0.0250	0.0279	0.0268	112	107	70.9-129			4.03	20
Carbon disulfide	0.0250	0.0245	0.0248	98.2	99.3	53.0-134			1.13	20
Chlorobenzene	0.0250	0.0262	0.0254	105	102	79.7-122			3.00	20
Chlorodibromomethane	0.0250	0.0291	0.0274	117	110	78.2-124			6.00	20
Chloroethane	0.0250	0.0247	0.0246	98.8	98.6	41.2-153			0.200	20
Chloroform	0.0250	0.0261	0.0244	104	97.8	73.2-125			6.59	20
Chloromethane	0.0250	0.0205	0.0196	81.9	78.5	55.8-134			4.26	20
1,2-Dibromoethane	0.0250	0.0262	0.0248	105	99.1	79.8-122			5.78	20
1,1-Dichloroethane	0.0250	0.0234	0.0229	93.6	91.7	71.7-127			2.05	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 23:54 • (LCSD) 10/29/15 00:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dichloroethane	0.0250	0.0271	0.0271	108	108	65.3-126			0.190	20
1,1-Dichloroethene	0.0250	0.0281	0.0284	113	114	59.9-137			0.910	20
cis-1,2-Dichloroethene	0.0250	0.0226	0.0224	90.4	89.5	77.3-122			1.01	20
trans-1,2-Dichloroethene	0.0250	0.0235	0.0228	94.1	91.1	72.6-125			3.20	20
1,2-Dichloropropane	0.0250	0.0234	0.0245	93.7	98.2	77.4-125			4.64	20
cis-1,3-Dichloropropene	0.0250	0.0253	0.0255	101	102	77.7-124			0.730	20
trans-1,3-Dichloropropene	0.0250	0.0275	0.0268	110	107	73.5-127			2.53	20
Ethylbenzene	0.0250	0.0259	0.0257	104	103	80.9-121			0.810	20
2-Hexanone	0.125	0.117	0.118	93.7	94.7	59.4-151			1.09	20
Isopropylbenzene	0.0250	0.0267	0.0269	107	107	81.6-124			0.740	20
p-Isopropyltoluene	0.0250	0.0269	0.0277	108	111	77.6-129			2.85	20
2-Butanone (MEK)	0.125	0.0954	0.0902	76.3	72.2	46.4-155			5.57	20
Methylene Chloride	0.0250	0.0232	0.0227	92.6	90.7	69.5-120			2.13	20
Methyl tert-butyl ether	0.0250	0.0235	0.0231	94.0	92.5	70.1-125			1.68	20
4-Methyl-2-pentanone (MIBK)	0.125	0.118	0.118	94.7	94.7	63.3-138			0.0400	20
Naphthalene	0.0250	0.0265	0.0281	106	113	69.7-134			5.81	20
n-Propylbenzene	0.0250	0.0259	0.0263	104	105	81.9-122			1.62	20
Styrene	0.0250	0.0260	0.0251	104	100	79.9-124			3.46	20
1,1,1,2-Tetrachloroethane	0.0250	0.0280	0.0274	112	110	78.5-125			2.03	20
1,1,2,2-Tetrachloroethane	0.0250	0.0265	0.0253	106	101	79.3-123			4.72	20
Tetrachloroethene	0.0250	0.0270	0.0264	108	106	73.5-130			2.07	20
Toluene	0.0250	0.0242	0.0239	96.9	95.8	77.9-116			1.13	20
1,1,1-Trichloroethane	0.0250	0.0268	0.0268	107	107	71.1-129			0.190	20
1,1,2-Trichloroethane	0.0250	0.0269	0.0250	108	100	81.6-120			7.27	20
Trichloroethene	0.0250	0.0256	0.0262	102	105	79.5-121			2.26	20
1,2,4-Trimethylbenzene	0.0250	0.0264	0.0270	106	108	79.0-122			2.22	20
1,3,5-Trimethylbenzene	0.0250	0.0273	0.0270	109	108	81.0-123			1.38	20
Vinyl chloride	0.0250	0.0247	0.0250	98.8	100	61.5-134			1.13	20
Xylenes, Total	0.0750	0.0776	0.0757	103	101	79.2-122			2.50	20
o-Xylene	0.0250	0.0264	0.0256	105	102	79.1-123			3.04	20
m&p-Xylene	0.0500	0.0513	0.0501	103	100	78.5-122			2.22	20
(S) Toluene-d8				103	105	90.0-115				
(S) Dibromofluoromethane				98.2	94.4	79.0-121				
(S) 4-Bromofluorobenzene				102	104	80.1-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798587-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 02:57 • (MS) 10/29/15 01:44 • (MSD) 10/29/15 02:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00588	0.0570	0.0557	40.9	39.9	1	25.0-156			2.27	21.5
Benzene	0.0250	ND	0.0173	0.0178	69.2	71.2	1	58.6-133			2.89	20
Bromodichloromethane	0.0250	ND	0.0250	0.0249	99.9	99.5	1	69.2-127			0.340	20
Bromoform	0.0250	ND	0.0276	0.0261	110	104	1	66.3-140			5.74	20
Bromomethane	0.0250	ND	0.0151	0.0150	60.6	59.9	1	16.6-183			1.05	20.5
n-Butylbenzene	0.0250	ND	0.0242	0.0235	96.9	94.0	1	64.8-145			3.04	20
sec-Butylbenzene	0.0250	ND	0.0258	0.0235	103	93.9	1	66.8-139			9.42	20
Carbon disulfide	0.0250	ND	0.0107	0.0111	42.8	44.4	1	34.9-138			3.46	20
Carbon tetrachloride	0.0250	ND	0.0221	0.0212	88.5	84.9	1	60.6-139			4.15	20
Chlorobenzene	0.0250	ND	0.0238	0.0220	95.1	88.1	1	70.1-130			7.57	20
Chlorodibromomethane	0.0250	ND	0.0262	0.0252	105	101	1	71.6-132			3.91	20
Chloroethane	0.0250	ND	0.0162	0.0169	64.9	67.8	1	33.3-155			4.39	20
Chloroform	0.0250	ND	0.0219	0.0221	87.7	88.5	1	66.1-133			0.880	20
Chloromethane	0.0250	ND	0.0115	0.0121	46.1	48.4	1	40.7-139			4.90	20
1,2-Dibromoethane	0.0250	ND	0.0238	0.0222	95.4	88.7	1	73.8-131			7.23	20
1,1-Dichloroethane	0.0250	ND	0.0194	0.0204	77.8	81.6	1	64.0-134			4.84	20
1,2-Dichloroethane	0.0250	ND	0.0232	0.0226	92.6	90.3	1	60.7-132			2.50	20
1,1-Dichloroethene	0.0250	ND	0.0194	0.0191	77.5	76.6	1	48.8-144			1.23	20
cis-1,2-Dichloroethene	0.0250	ND	0.0186	0.0192	74.3	77.0	1	60.6-136			3.51	20
trans-1,2-Dichloroethene	0.0250	ND	0.0168	0.0169	67.4	67.7	1	61.0-132			0.540	20
1,2-Dichloropropane	0.0250	ND	0.0207	0.0211	82.7	84.5	1	69.7-130			2.05	20
cis-1,3-Dichloropropene	0.0250	ND	0.0221	0.0221	88.3	88.3	1	71.1-129			0.0600	20
trans-1,3-Dichloropropene	0.0250	ND	0.0303	0.0290	121	116	1	66.3-136			4.64	20
Ethylbenzene	0.0250	ND	0.0237	0.0221	94.9	88.4	1	62.7-136			7.18	20
2-Hexanone	0.125	ND	0.112	0.114	89.8	91.3	1	59.4-154			1.69	20.1
Isopropylbenzene	0.0250	ND	0.0240	0.0231	96.1	92.4	1	67.4-136			3.93	20
p-Isopropyltoluene	0.0250	ND	0.0258	0.0237	103	95.0	1	62.8-143			8.27	20
2-Butanone (MEK)	0.125	0.00192	0.0761	0.0777	59.4	60.6	1	45.0-156			2.07	20.8
Methylene Chloride	0.0250	ND	0.0179	0.0176	71.4	70.5	1	61.5-125			1.31	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.169	0.175	135	140	1	60.7-150			3.40	20
Methyl tert-butyl ether	0.0250	0.00126	0.0209	0.0224	78.8	84.4	1	61.4-136			6.51	20
Naphthalene	0.0250	ND	0.0280	0.0281	112	112	1	61.8-143			0.250	20
n-Propylbenzene	0.0250	ND	0.0246	0.0225	98.3	90.1	1	63.2-139			8.71	20
Styrene	0.0250	ND	0.0232	0.0229	92.7	91.7	1	68.2-133			1.09	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0256	0.0245	102	98.0	1	70.5-132			4.43	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0258	0.0239	103	95.4	1	64.9-145			7.69	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L798587-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 02:57 • (MS) 10/29/15 01:44 • (MSD) 10/29/15 02:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.0250	ND	0.0215	0.0209	86.0	83.7	1	57.4-141			2.74	20
Toluene	0.0250	ND	0.0199	0.0204	79.7	81.4	1	67.8-124			2.13	20
1,1,1-Trichloroethane	0.0250	ND	0.0230	0.0223	91.9	89.2	1	58.7-134			2.97	20
1,1,2-Trichloroethane	0.0250	ND	0.0245	0.0233	98.1	93.3	1	74.1-130			5.03	20
Trichloroethene	0.0250	ND	0.0210	0.0208	84.2	83.0	1	48.9-148			1.38	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0249	0.0230	99.7	92.1	1	60.5-137			7.86	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0239	0.0223	95.5	89.3	1	67.9-134			6.78	20
Vinyl chloride	0.0250	ND	0.0156	0.0154	62.2	61.7	1	44.3-143			0.890	20
Xylenes, Total	0.0750	ND	0.0662	0.0637	88.2	85.0	1	65.6-133			3.76	20
o-Xylene	0.0250	ND	0.0229	0.0221	91.8	88.3	1	67.1-133			3.88	20
m&p-Xylene	0.0500	ND	0.0432	0.0416	86.4	83.3	1	64.1-133			3.69	20
(S) Toluene-d8					104	107		90.0-115				
(S) Dibromofluoromethane					96.1	95.1		79.0-121				
(S) 4-Bromofluorobenzene					108	105		80.1-120				

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Method Blank (MB)

(MB) 10/24/15 16:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) High Fraction	U		0.0247	0.100
<i>(S) o-Terphenyl</i>	77.1			50.0-150

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 16:50 • (LCSD) 10/24/15 17:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) High Fraction	1.50	1.07	1.18	71.4	78.7	50.0-150			9.72	20
<i>(S) o-Terphenyl</i>				74.4	82.4	50.0-150				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/24/15 15:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) High Fraction	U		0.0247	0.100
<i>(S) o-Terphenyl</i>	86.4			50.0-150

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 15:49 • (LCSD) 10/24/15 16:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) High Fraction	1.50	1.31	1.35	87.0	90.3	50.0-150			3.74	20
<i>(S) o-Terphenyl</i>				89.1	90.4	50.0-150				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 10/26/15 20:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
<i>(S) o-Terphenyl</i>	69.2			50.0-150

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 20:21 • (LCSD) 10/26/15 20:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	0.841	0.980	56.0	65.3	50.0-150			15.3	20
<i>(S) o-Terphenyl</i>				74.6	80.7	50.0-150				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
4	The sample concentration was greater than 4 times the spike value.
*	LCS/LCSD recovery outside the control limit or RPD value outside the control limit.
F	The MS/MSD recovery outside the control limit.
J	Estimated value.
X	Surrogate recovery outside the control limit.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.  
 \* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

## State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee <sup>14</sup>	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

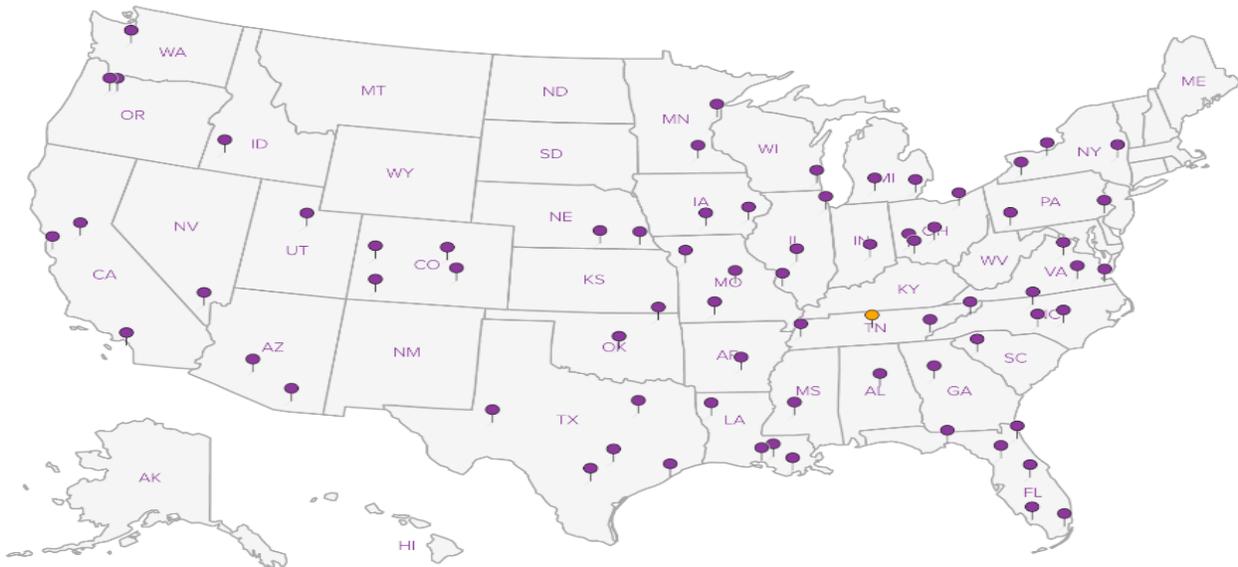
## Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Shipment # 2

**ARCADIS US - TX**  
 2929 Briarpark Dr., Suite 300  
 Houston, TX 77042

Billing Information:  
 Att: Accounts Payable  
 630 Plaza Drive, Suite 600  
 Highlands Ranch, CO 80129

Report to:  
**Pam Krueger**

Email To: pam.krueger@arcadis-us.com;  
 maisha.turner@arcadis-us.com;

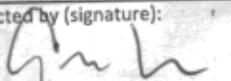
Project Description: **Navajo Refining Company - Artesia, NM**  
 Phone: **713-953-4800**  
 Fax:

City/State Collected: **Artesia, NM**  
 Lab Project # **ARCADHTX-NAVAJO FULL**

Collected by (print):  
**Greg Scherbeniske**

Client Project # **TX000836.0007.15004**  
 Site/Facility ID # **EP**

Lab Project # **ARCADHTX-NAVAJO FULL**  
 P.O. #

Collected by (signature):  
  
 Immediately Packed on Ice N  Y

**Rush? (Lab MUST Be Notified)**  
 Same Day .....200%  
 Next Day .....100%  
 Two Day .....50%  
 Three Day .....25%

Date Results Needed  
 Email?  No  Yes  
 FAX?  No  Yes

Analysis / Container / Preservative	
CL, FL, SO4 125mlHDPE-NoPres	L2
CN 250mlHDPEAmb-NaOH	L2
DRO 100ml Amb-HCl	L2
GRO 40mlAmb HCl	L2
METALS 6020 500mlHDPE-HNO3	0 = with Ca, K, Na, L2
NO2NO3 250mlHDPE-H2SO4	L2
TDS 250mlHDPE-NoPres	L2
TOTAL METALS 500mlHDPE-HNO3	L2
V8260 40mlAmb-HCl	L2
V8260 40mlAmb-HCl-BIK	L2

Chain of Custody Page 12 of 16



YOUR LAB OF CHOICE

12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859



L # **490113**  
 Table # **L798587**  
 Acctnum: **ARCADHTX**  
 Template: **T105600**  
 Prelogin: **P524665**  
 TSR: 633 - Pam Langford  
 PB: **9.16 M J**  
 Shipped Via: **FedEX Ground**

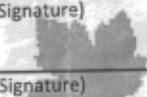
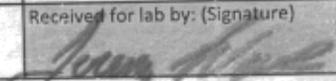
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40mlAmb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	TOTAL METALS 500mlHDPE-HNO3	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-BIK	Rem./Contaminant	Sample # (lab only)
MW-76		GW				10	X		X	X	X	X	X	X	X	X	905	
MW-77		GW				10	X		X	X	X	X	X	X	X	X	905	
MW-75		GW				10	X		X	X	X	X	X	X	X	X	905	
MW-83		GW				10	X		X	X	X	X	X	X	X	X	905	
MW-3		GW				10	X		X	X	X	X	X	X	X	X	905	
MW-88	Grab	GW		10/20/15	855	30	X		X	X	X	X	X	X	X	X	-02	#
MW-22A		GW		10/20/15	940	20	X		X	X	X	X	X	X	X	X	-03	#
MW-10		GW		10/20/15	1045	10	X		X	X	X	X	X	X	X	X	-04	#
MW-123		GW		10/20/15	1135	10	X		X	X	X	X	X	X	X	X	-05	#
MW-4A		GW				10	X		X	X	X	X	X	X	X	X	905	

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Remarks:

Hold # \_\_\_\_\_  
 Condition: (lab use only) **OK**  
 COC Seal Intact:  Y  N  NA  
 pH Checked: \_\_\_\_\_  
 NCF: \_\_\_\_\_

Relinquished by: (Signature) 	Date: <b>7/21/15</b>	Time: <b>730</b>	Received by: (Signature) 	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C <b>31</b> Bottles Received: <b>190</b>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 	Date: <b>10/20/15</b> Time: <b>0900</b>

(Shipment # 1)

**ARCADIS US - TX**  
 2929 Briarpark Dr., Suite 300  
 Houston, TX 77042

Billing Information:  
 Att: Accounts Payable  
 630 Plaza Drive, Suite 600  
 Highlands Ranch, CO 80129

Report to:  
**Pam Krueger**

Email To: pam.krueger@arcadis-us.com;  
 maisha.turner@arcadis-us.com;

Project Description: **Navajo Refining Company - Artesia, NM**

City/State Collected: **Artesia, NM**

Phone: **713-953-4800**  
 Fax:

Client Project #:  
**TX000836.0007.15004**

Lab Project #:  
**ARCADHTX-NAVAJO FULL**

Collected by (print):  
**Greg Scherbenske**

Site/Facility ID #:  
**EP**

P.O. #:

Collected by (signature):  
  
 Immediately Packed on Ice N  Y

**Rush?** (Lab MUST Be Notified)  
 \_\_\_ Same Day .....200%  
 \_\_\_ Next Day .....100%  
 \_\_\_ Two Day .....50%  
 \_\_\_ Three Day .....25%

Date Results Needed  
 Email? \_\_\_ No  Yes  
 FAX? \_\_\_ No \_\_\_ Yes

							Analysis / Container / Preservative							Chain of Custody Page 11 of 15				
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	CL, FL, SO4 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40mlAmb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	TOTAL METALS 500mlHDPE-HNO3 (Hg, Ni, Van)	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik	Rem./Contaminant	Sample # (lab only)
MW-5A	Grab	GW		10/19/15	1500	10	X		X	X	(X)	X	X		X			-20
MW-7A		GW		10/19/15	1605	10	X		X	X	(X)	X	X		X			-06
DUP-EP-01		GW		10/19/15	1100	10	X		X	X	(X)	X	X		X			-07
OCD-8A		GW		10/19/15	1720	11	X	X	X	X	(X)	X	X	X	X			-08
DUP-EP-02		GW				10	X		X	X	(X)	X	X		X			405
DUP-EP-03	Grab	GW		10/19/15	1000	10	X		X	X	(X)	X	X		X			-09
EB-EP-03		GW		10/19/15	1515	10	X		X	X	(X)	X	X		X			-10
		GW				10	X		X	X	X	X	X		X			54
TRIP BLANK-BEST-02 EP	Grab	GW		10/19/15	-	1									X			-11

**ESC**  
 L.A.B S.C.I.E.N.C.E.S  
 YOUR LAB OF CHOICE  
 12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859

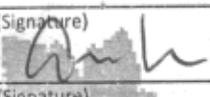
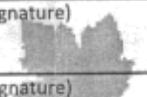


I. # **1795910**  
 Table # **1795922**  
 Acctnum: **ARCADHTX**  
 Template: **T105600**  
 Prelogin: **P524665**  
 TSR: **633 - Pam Langford**  
 PB: **9.16.15**  
 Shipped Via: **FedEX Ground**

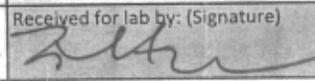
\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature)  Date: **10/20/15** Time: **700** Received by: (Signature)  Samples returned via:  UPS  FedEx  Courier  \_\_\_\_\_ Condition: (lab use only)

Relinquished by: (Signature) Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature) Temp: \_\_\_\_\_ °C Bottles Received: **2.7** **306** **190** COC Seal Intact: \_\_\_ Y \_\_\_ N \_\_\_ NA

Relinquished by: (Signature) Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received for lab by: (Signature)  Date: **10/21/15** Time: **0900** pH Checked: **12.7** NCF: \_\_\_\_\_

(Shipment # 1)

**ARCADIS US - TX**  
 2929 Briarpark Dr., Suite 300  
 Houston, TX 77042

Billing Information:  
 Att: Accounts Payable  
 630 Plaza Drive, Suite 600  
 Highlands Ranch, CO 80129

Report to:  
**Pam Krueger**

Email To: pam.krueger@arcadis-us.com;  
 maisha.turner@arcadis-us.com;

Project Description: **Navajo Refining Company - Artesia, NM**

City/State Collected: **Artesia, NM**

Phone: **713-953-4800**  
 Fax:

Client Project #  
**TX000836.0007.15004**

Lab Project #  
**ARCADHTX-NAVAJO FULL**

Collected by (print):  
**Greg Scherbenske**

Site/Facility ID #  
**EP**

P.O. #

Collected by (signature):  
*[Signature]*  
 Immediately Packed on Ice N  Y

**Rush? (Lab MUST Be Notified)**  
 Same Day .....200%  
 Next Day .....100%  
 Two Day .....50%  
 Three Day .....25%

Date Results Needed  
 Email?  No  Yes  
 FAX?  No  Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
EB-EP-01	Grab	GW		10/19/15	1140	10
EB-EP-04	↓	GW		10/19/15	1035	10
		GW				10
<del>MW-86</del>		GW				11
TRIP BLANK-EO-01 EP	Grab	GW		10/19/15	-	1

Analysis / Container / Preservative	
CL, FL, SO4 125mlHDPE-NoPres	>12
CN 250mlHDPEAmb-NaOH	<
DRO 100ml Amb-HCl	
GRO 40ml Amb HCl	
METALS 6020 500mlHDPE-HNO3	with Ca, K, Na
NO2NO3 250mlHDPE-H2SO4	<
TDS 250mlHDPE-NoPres	
TOTAL METALS 500mlHDPE-HNO3 (Hg, Ni, Va)	>
V8260 40mlAmb-HCl	
V8260 40mlAmb-HCl-Bik	

Chain of Custody Page 12 of 15



L.A.B S.C.I.E.N.C.E.S

YOUR LAB OF CHOICE

12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859



L # **L795810**  
 Table # **L795810**  
 Acctnum: **ARCADHTX**  
 Template: **T105598**  
 Prelogin: **P524659**  
 TSR: **633 - Pam Langford**  
 PB: **9-15-156m**  
 Shipped Via: **FedEX Ground**

Rem./Contaminant	Sample # (lab only)
-12	-27 -07
-13	-28 -08
-14	-30 -09

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks: pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature)  
*[Signature]*  
 Date: **10/20/15**  
 Time: **700**

Received by: (Signature)  
*[Signature]*  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Received by: (Signature)  
*[Signature]*  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Samples returned via:  UPS  
 FedEx  Courier  \_\_\_\_\_  
 Temp: \_\_\_\_\_ °C Bottles Received: **306 190**  
 Date: **10/20/15** Time: **0920**

Condition: (lab use only)  
**OK**  
 COC Seal Intact:  Y  N  NA  
 pH Checked: **<2 >12**  
 NCF: \_\_\_\_\_

(Shipment #1)

**ARCADIS US - TX**  
 2929 Briarpark Dr., Suite 300  
 Houston, TX 77042

Billing Information:  
 Att: Accounts Payable  
 630 Plaza Drive, Suite 600  
 Highlands Ranch, CO 80129

Report to:  
**Pam Krueger**

Email To: pam.krueger@arcadis-us.com;  
 maisha.turner@arcadis-us.com;

Project  
 Description: **Navajo Refining Company - Artesia, NM**

City/State  
 Collected: **Artesia, NM**

Phone: **713-953-4800**  
 Fax:

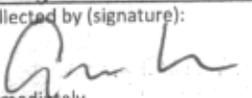
Client Project #  
**TX000836.0007.15004**

Lab Project #  
**ARCADHTX-NAVAJO FULL**

Collected by (print):  
**Greg Scherbanske**

Site/Facility ID #  
**EP**

P.O. #

Collected by (signature):  
  
 Immediately  
 Packed on Ice N  Y

**Rush? (Lab MUST Be Notified)**  
 Same Day .....200%  
 Next Day .....100%  
 Two Day .....50%  
 Three Day .....25%

Date Results Needed  
 Email?  No  Yes  
 FAX?  No  Yes  
 No. of Cntrs

Analysis / Container / Preservative	
CL, FL, SO4 125mlHDPE-NoPres	CL, FL, SO4 125mlHDPE-NoPres Metals (Hg, Ni, V, Cr) (H2O2)
CN 250mlHDPEAmb-NaOH	CN 250mlHDPEAmb-NaOH
DRO 100ml Amb-HCl	DRO 100ml Amb-HCl
GRO 40ml Amb HCl	GRO 40ml Amb HCl
METALS 6020 500mlHDPE-HNO3	METALS 6020 500mlHDPE-HNO3 O = with Ca, K, Na
NO2NO3 250mlHDPE-H2SO4	NO2NO3 250mlHDPE-H2SO4
TDS 250mlHDPE-NoPres	TDS 250mlHDPE-NoPres
V8260 40ml Amb-HCl	V8260 40ml Amb-HCl
V8260 40ml Amb-HCl-Bik	V8260 40ml Amb-HCl-Bik

Chain of Custody Page 13 of 15



L.A.B S.C.I.E.N.C.E.S

**YOUR LAB OF CHOICE**

12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859



L # **7795810**  
 Table # ~~7795823~~  
 Acctnum: **ARCADHTX**  
 Template: **T105606**  
 Prelogin: **P524666**  
 TSR: 633 - Pam Langford  
 PB: **9-15-15 myk**  
 Shipped Via: **FedEX Ground**

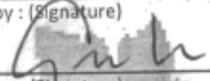
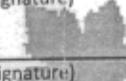
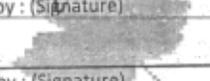
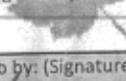
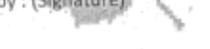
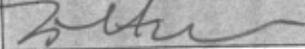
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CL, FL, SO4 125mlHDPE-NoPres	CL, FL, SO4 125mlHDPE-NoPres Metals (Hg, Ni, V, Cr) (H2O2)	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40ml Amb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	V8260 40ml Amb-HCl	V8260 40ml Amb-HCl-Bik	Rem./Contaminant	Sample # (lab only)
MW-18A	Grab	GW		10/19/15	1550	98	X	X	X	X	X	X	X	X	X		-15	10-31
TRIP BLANK-EP-03	↓	GW		10/19/15	-	1									X		-16	# 30

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Remarks:

Hold # \_\_\_\_\_  
 Condition: (lab use only) \_\_\_\_\_  
 COC Seal Intact:  Y  N  NA  
 pH Checked: **<2, >12**  
 NCF: \_\_\_\_\_

Relinquished by: (Signature) 	Date: <b>10/20/15</b>	Time: <b>700</b>	Received by: (Signature) 	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____
Relinquished by: (Signature) 	Date:	Time:	Received by: (Signature) 	Temp: _____ °C Bottles Received: <b>300 190</b>
Relinquished by: (Signature) 	Date:	Time:	Received for lab by: (Signature) 	Date: <b>10/20/15</b> Time: <b>09:10</b>

(Shipment # 1)

ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Billing Information:  
Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Report to:  
Pam Krueger

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

Project Description: Navajo Refining Company - Artesia, NM

City/State Collected: Artesia, NM

Phone: 713-953-4800

Client Project # TX000836.0007.15004

Lab Project # ARCADHTX-NAVAJO FULL

Collected by (print): Greg Scherbenske

Site/Facility ID # EP

P.O. #

Collected by (signature): *Greg Scherbenske*

Rush? (Lab MUST Be Notified)  
 Same Day .....200%  
 Next Day .....100%  
 Two Day .....50%  
 Three Day .....25%

Date Results Needed

Email?  No  Yes  
 FAX?  No  Yes

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CL, FL, SO4 12.5mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	DRO 100ml Amb-HCl	GRO 40ml Amb HCl	METALS 6020 500mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TDS 250mlHDPE-NoPres	TOTAL METALS 500mlHDPE-HNO3	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik
MW-76	Grab	GW		10/19/15	925	10	X		X	X	(X)	X	X		X	-17
MW-77		GW		10/19/15	1015	10	X		X	X	(X)	X	X		X	-18
MW-75		GW		10/19/15	1120	10	X		X	X	(X)	X	X		X	-19
MW-83		GW		10/19/15	1205	10	X		X	X	(X)	X	X		X	-20
MW-83		GW		10/19/15	1205	10	X		X	X	(X)	X	X		X	-21
MW-3		GW		10/19/15	1250	10	X		X	X	(X)	X	X		X	-21
MW-88		GW				10	X		X	X	(X)	X	X		X	-22
MW-22A		GW				10	X		X	X	(X)	X	X		X	-22
MW-10		GW				10	X		X	X	(X)	X	X		X	-22
MW-123		GW				10	X		X	X	(X)	X	X		X	-22
MW-4A	Grab	GW		10/19/15	1400	10	X		X	X	(X)	X	X		X	-22

Analysis / Container / Preservative

Chain of Custody - Page 8 of 15

**ESC**  
L.A.B S.C.I.E.N.C.E.S  
YOUR LAB OF CHOICE  
12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859

L# 17958105  
 Table # 1795876  
 Acctnum: ARCADHTX  
 Template: T105600 (179858)  
 Prelogin: P524665  
 TSR: 633 - Pam Langford  
 PB: 9.16 M J  
 Shipped Via: FedEX Ground

Rem./Contaminant Sample # (lab only)

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature) *Greg Scherbenske*  
 Date: 10/20/15  
 Time: 700

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature) *[Signature]*  
 Received by: (Signature) *[Signature]*  
 Received for lab by: (Signature) *[Signature]*

Samples returned via:  UPS  
 FedEx  Courier  \_\_\_\_\_  
 Temp: 2.7 °C Bottles Received: 335 190  
 Date: 10/21/15 Time: 0900

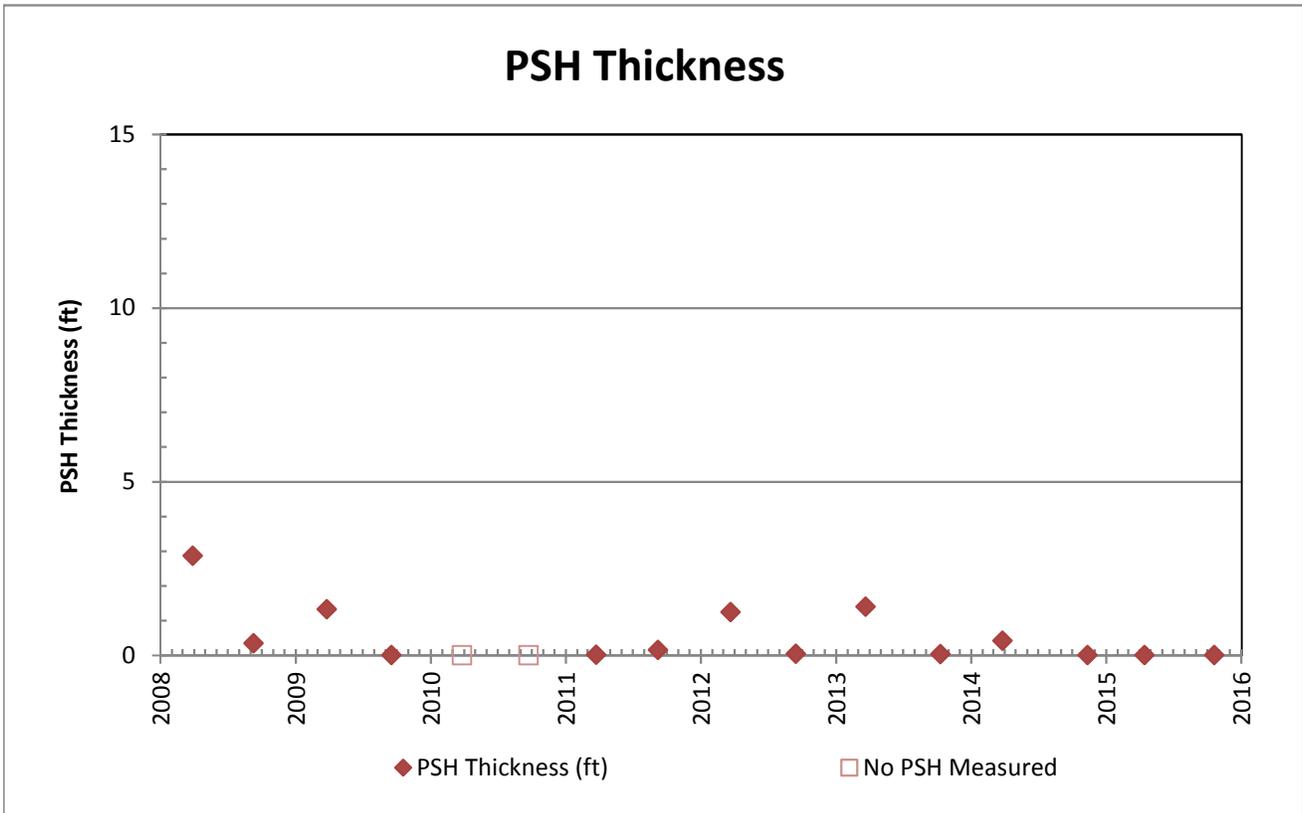
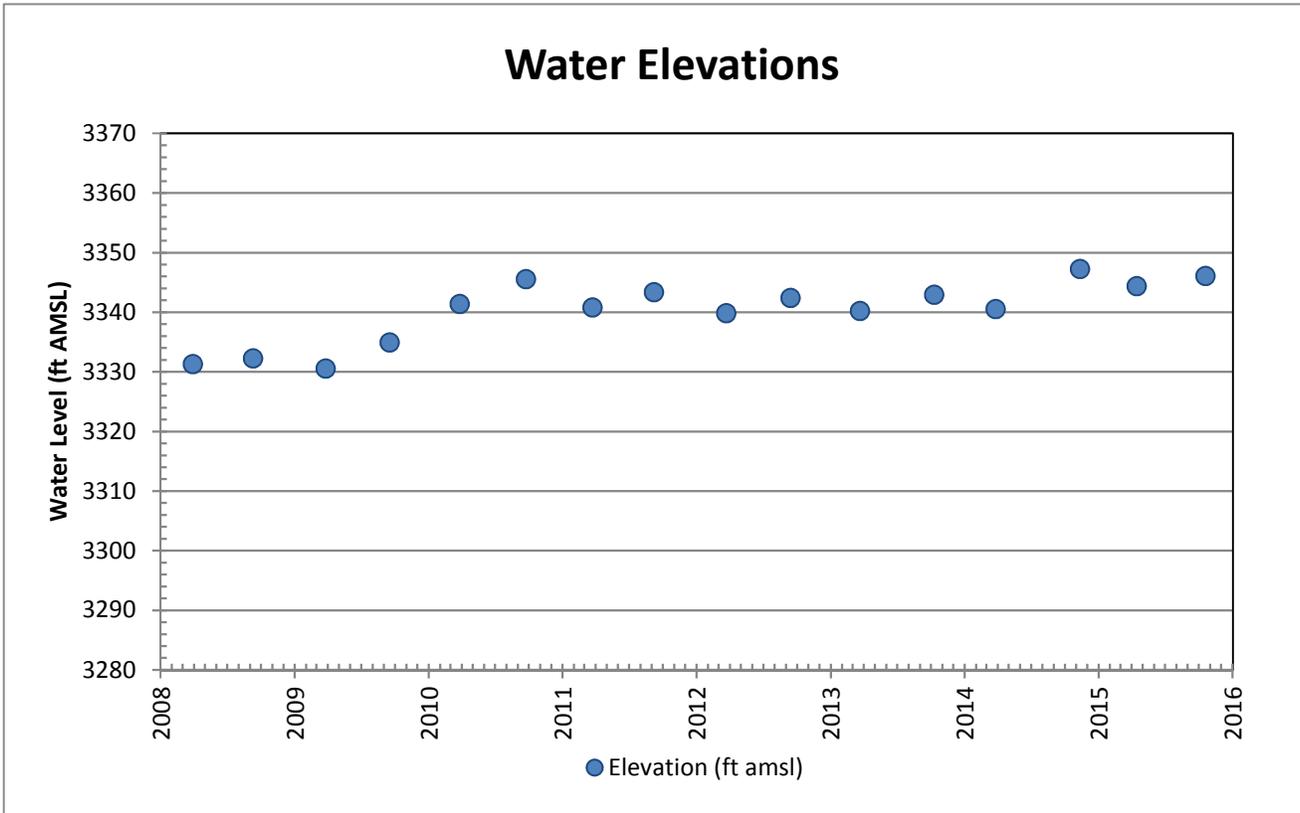
Condition: (lab use only) *OK*  
 COC Seal Intact:  Y  N  NA  
 pH Checked: <2, >12  
 NCF: \_\_\_\_\_

# APPENDIX C

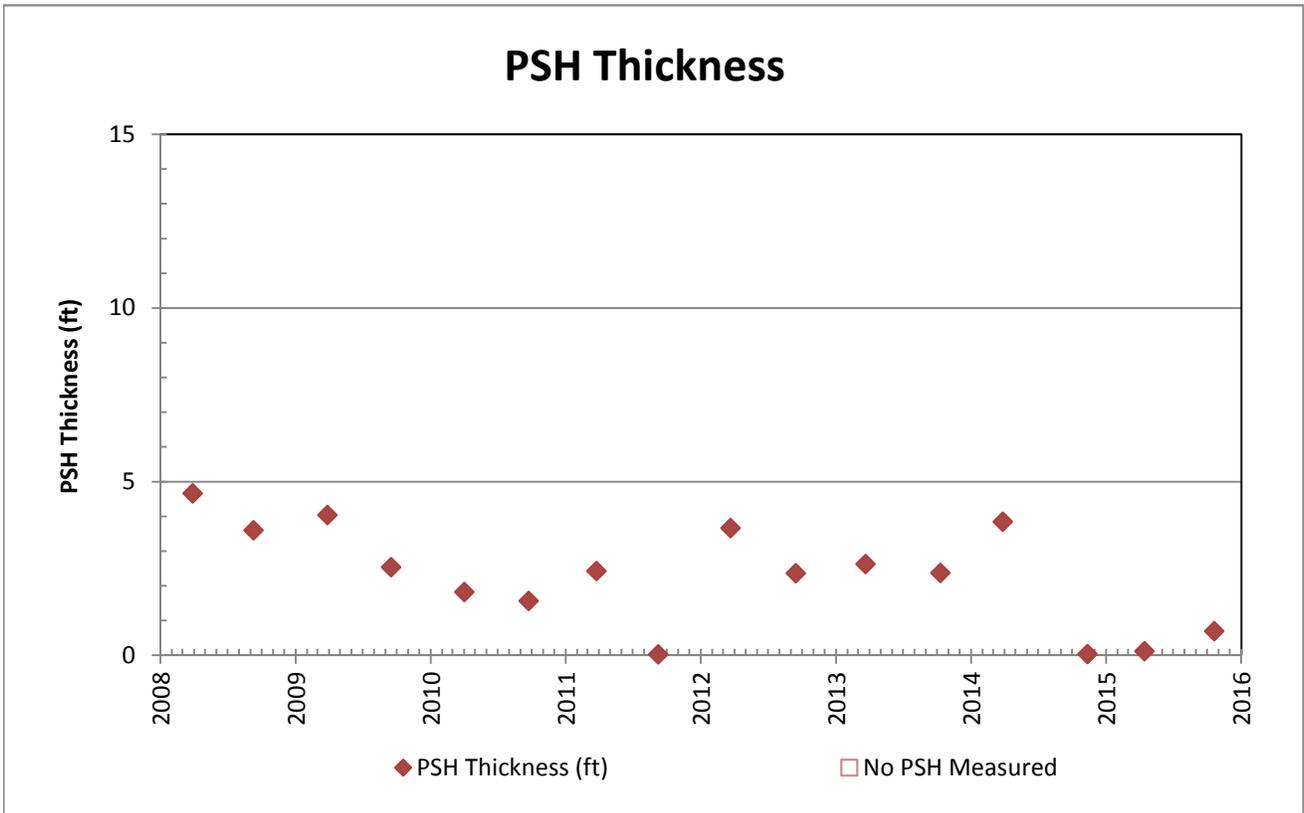
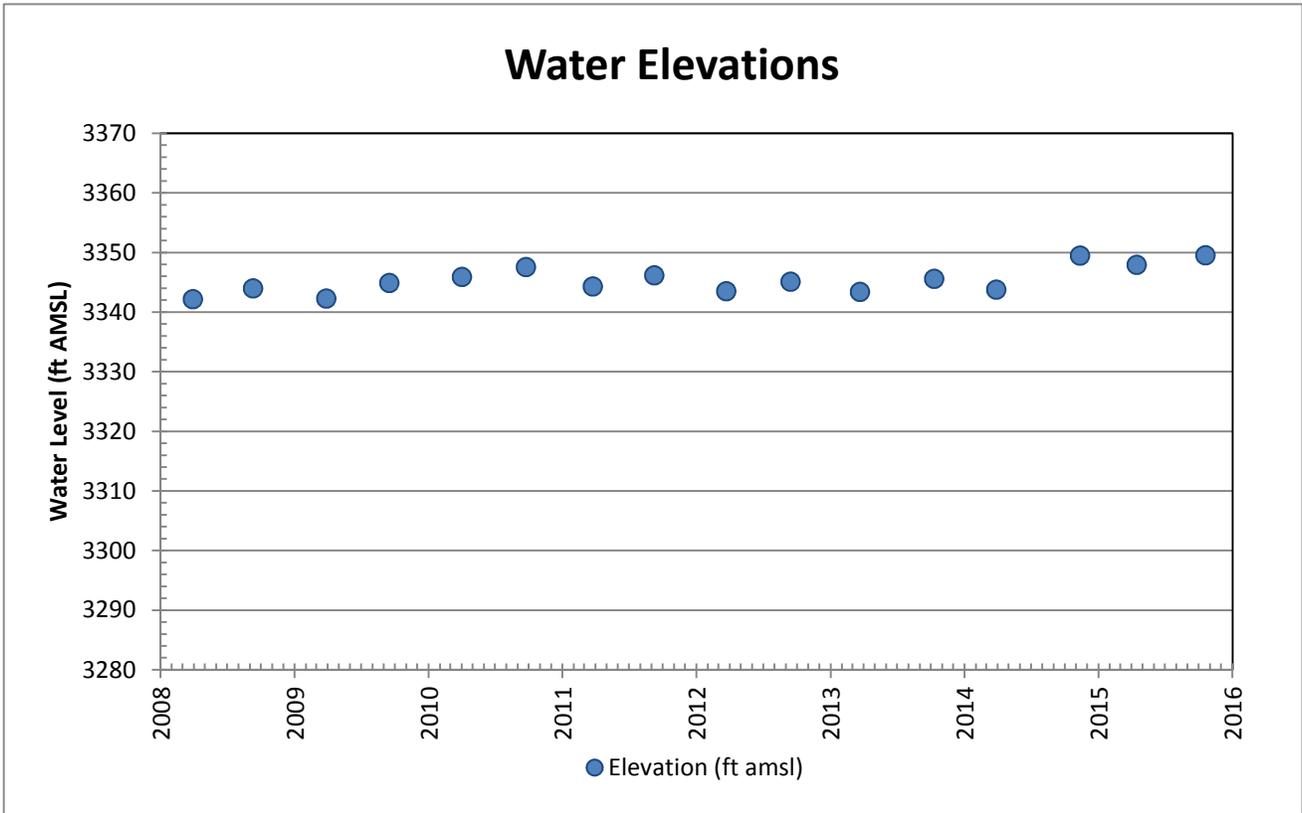
Trend Plots of COC Concentrations, Groundwater Elevations, and PSH Thickness



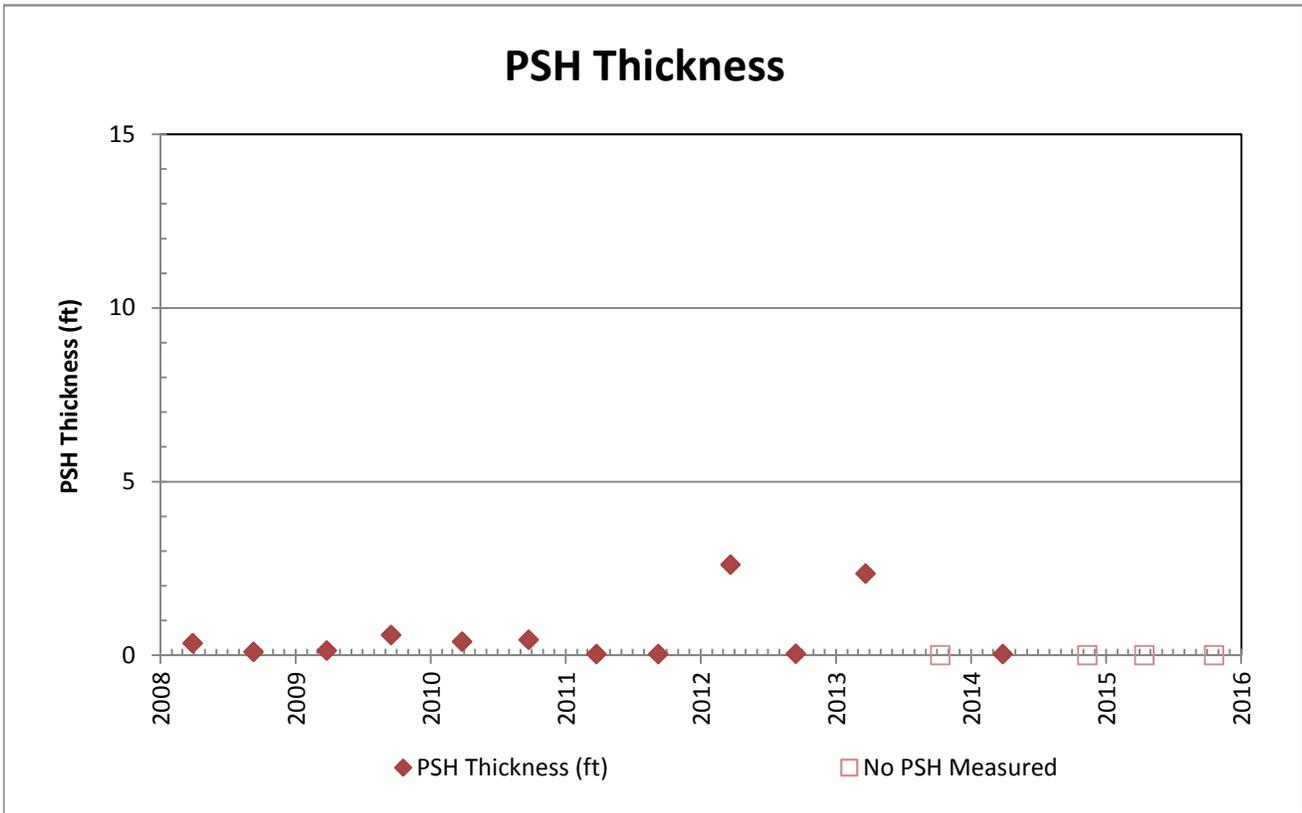
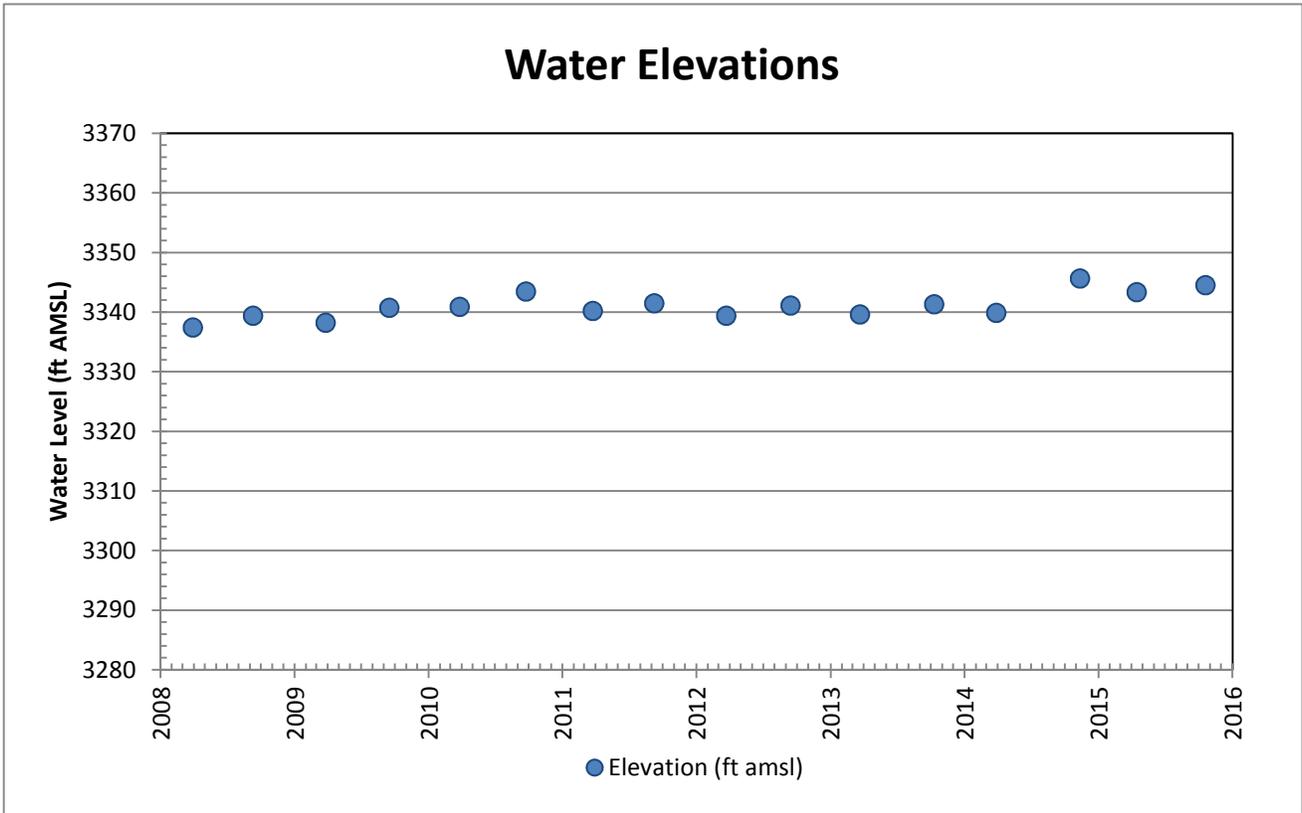
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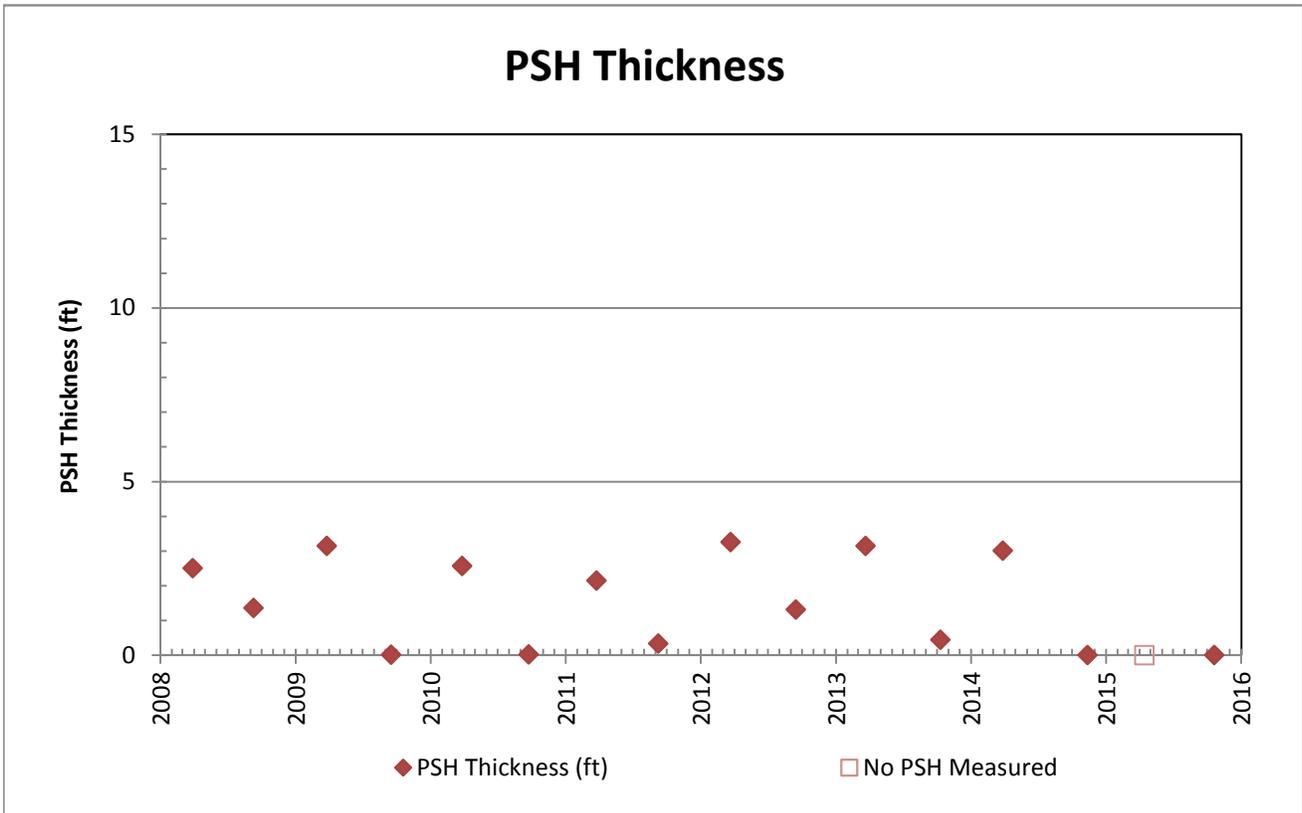
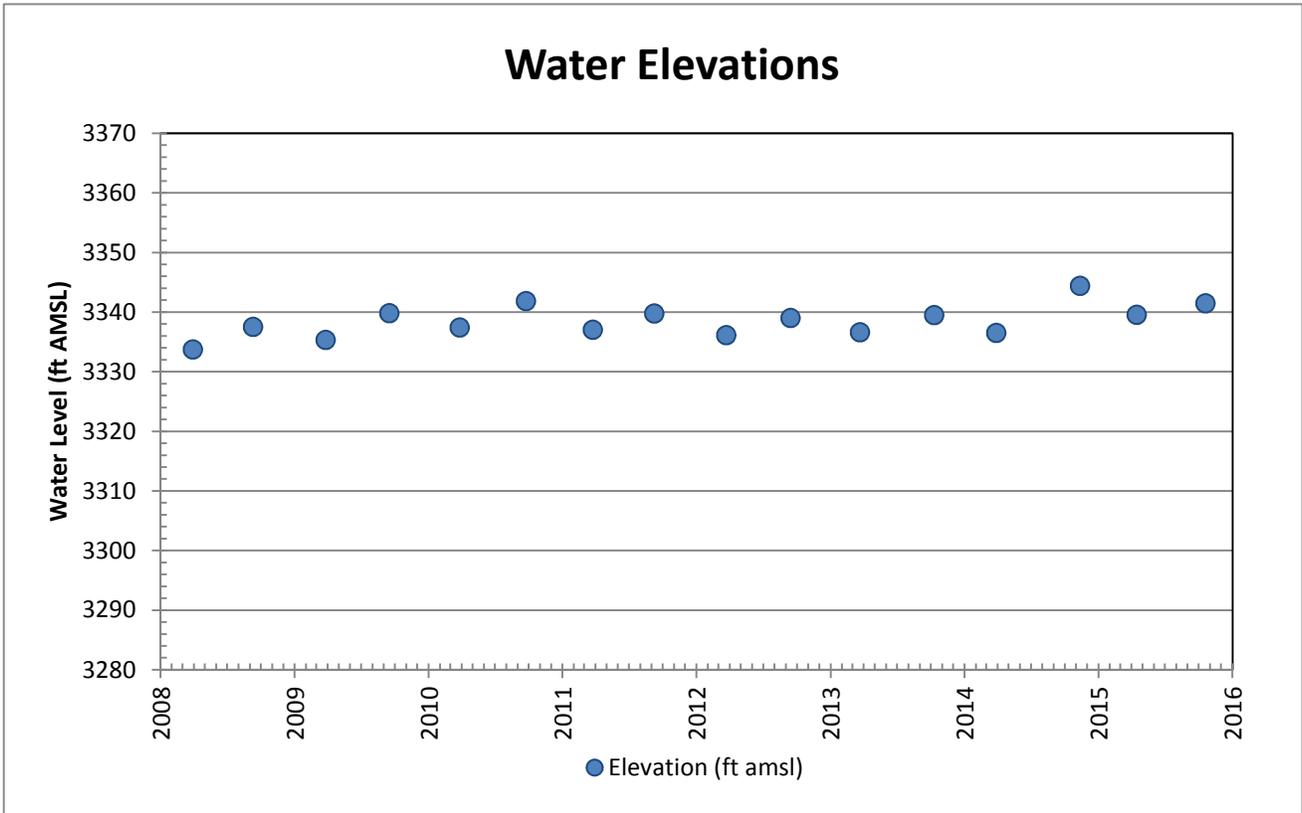
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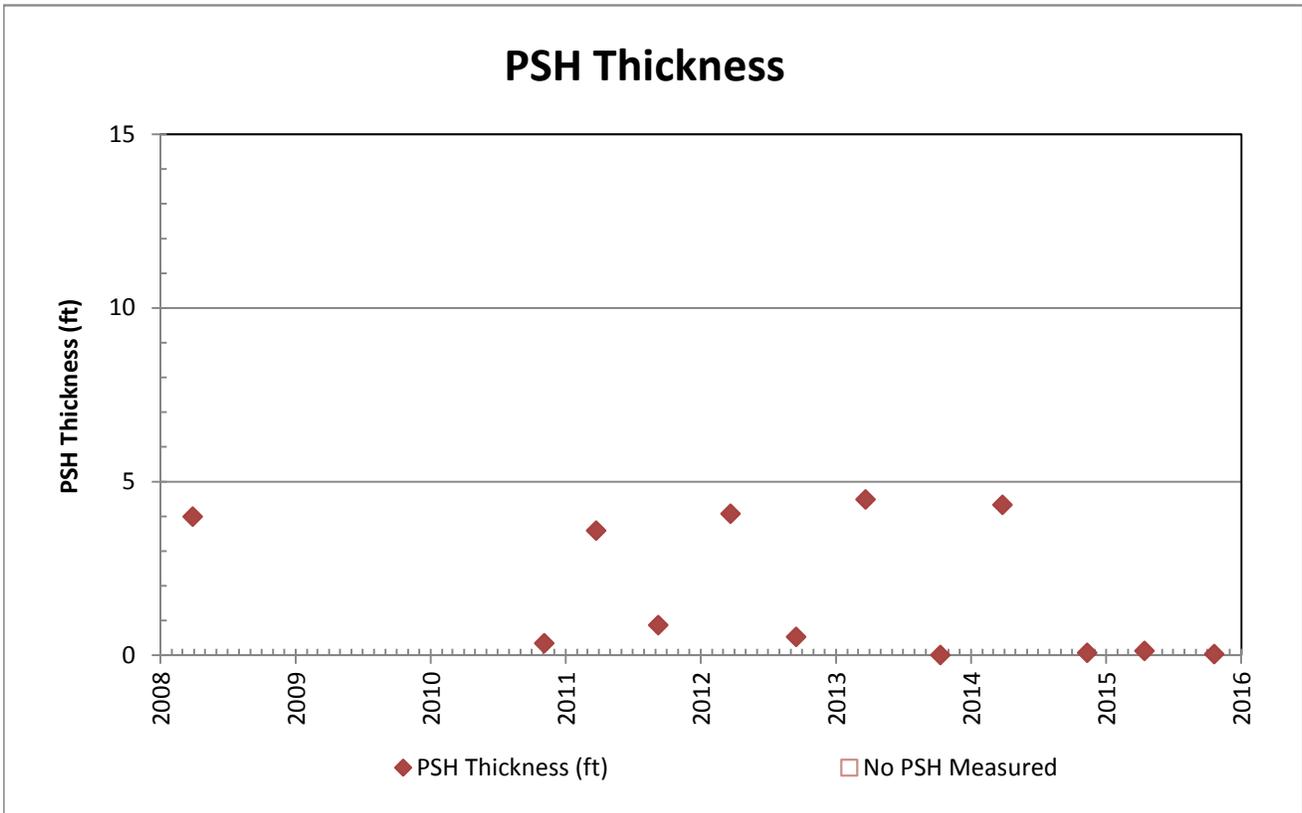
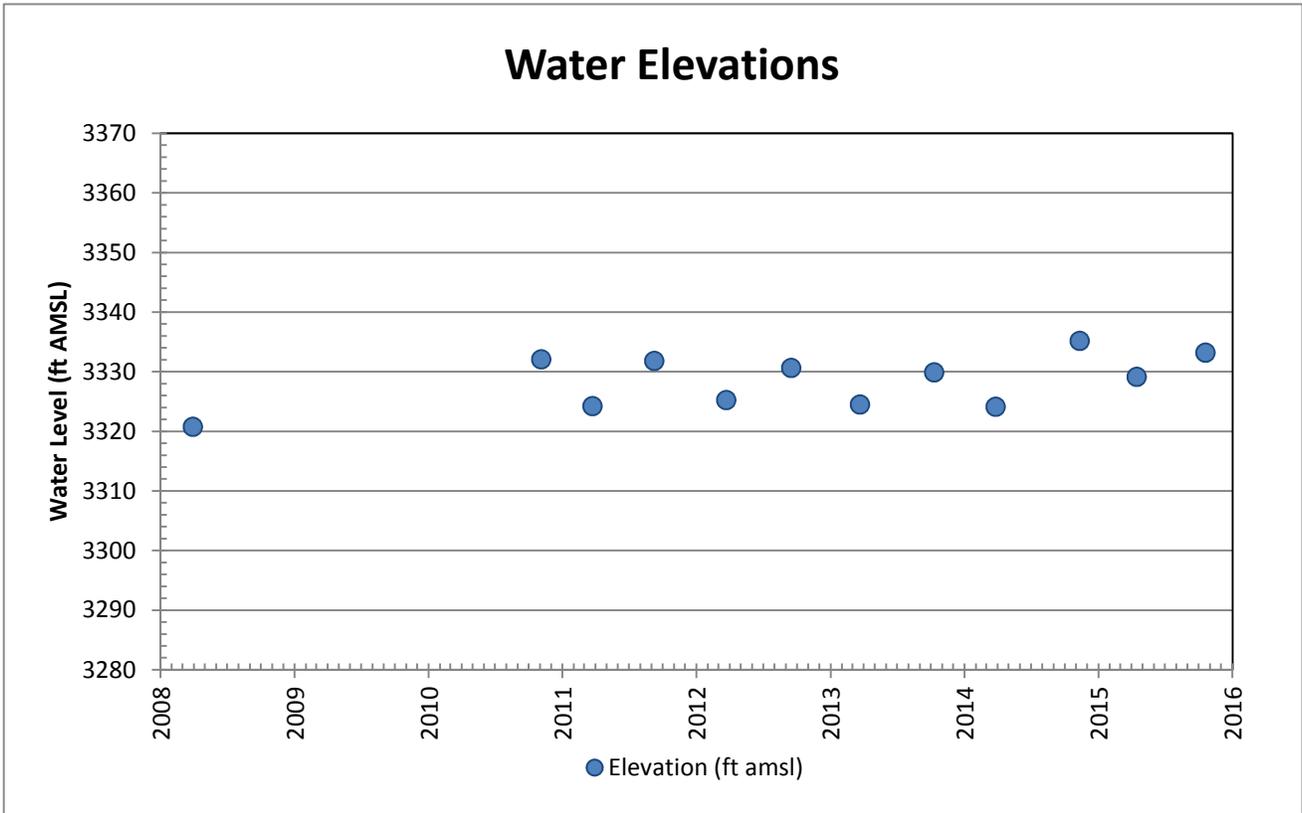
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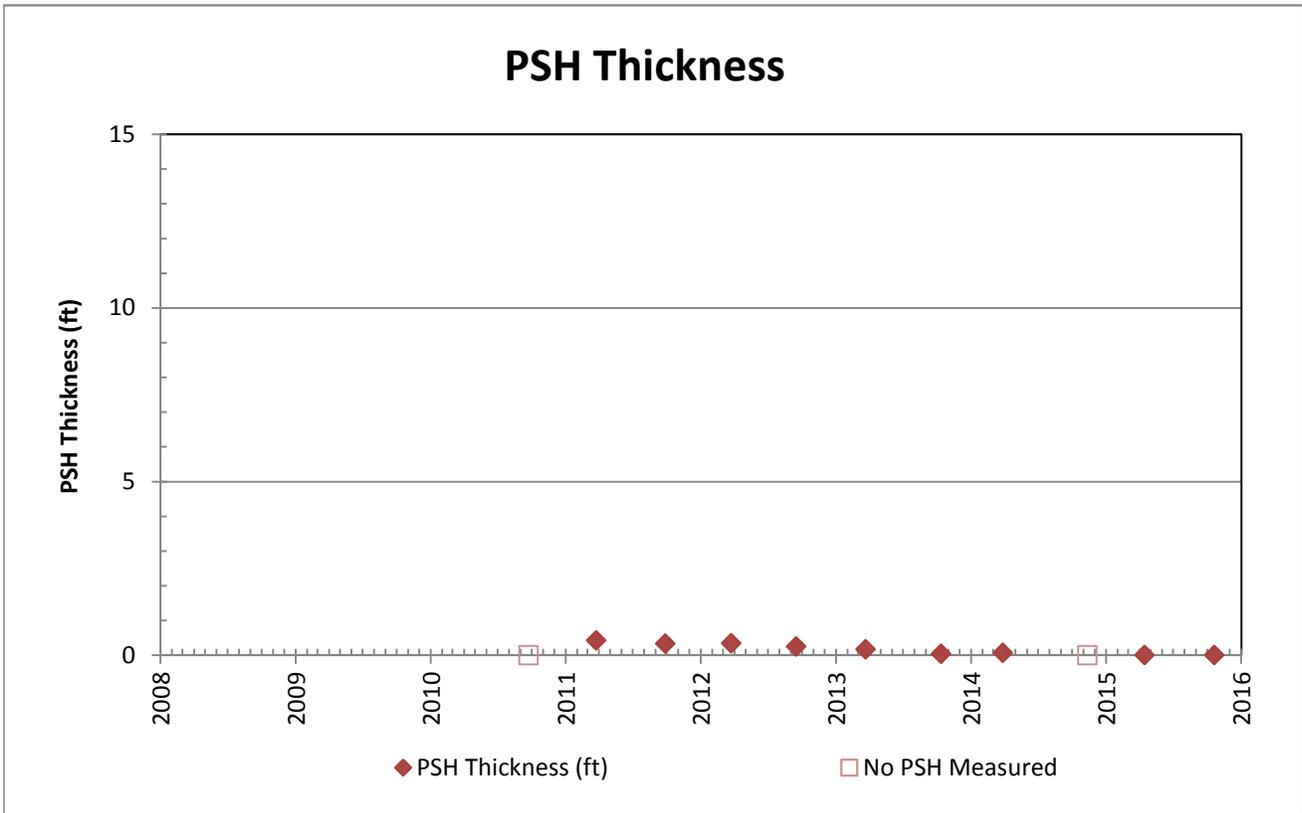
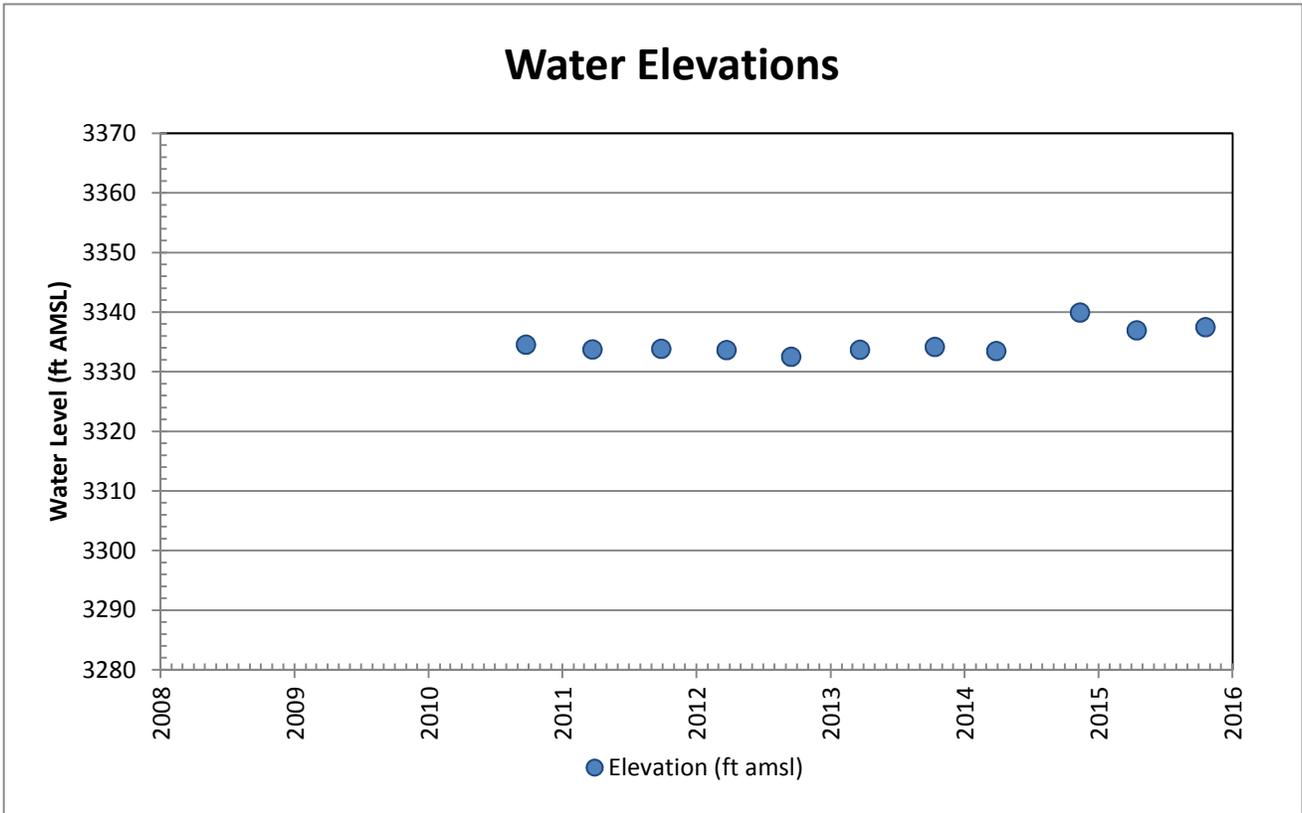
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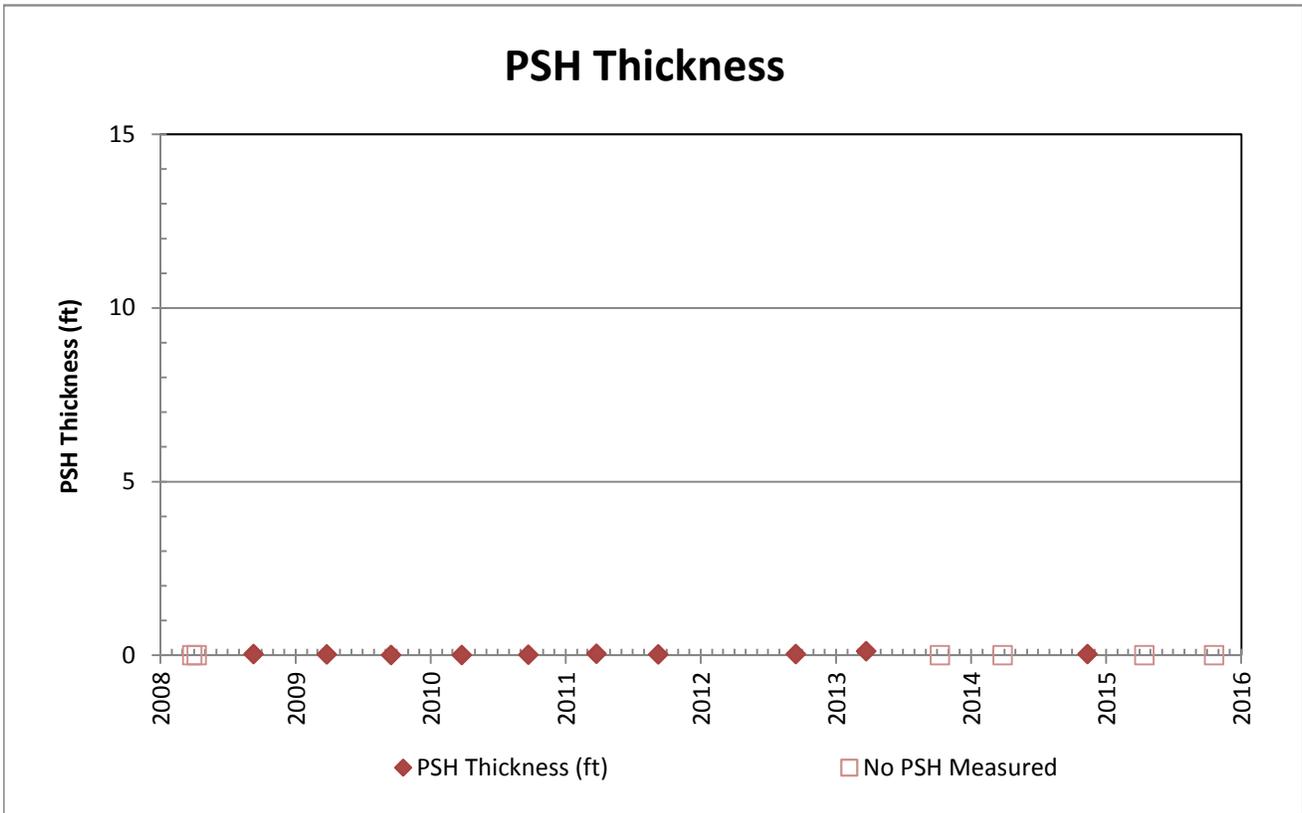
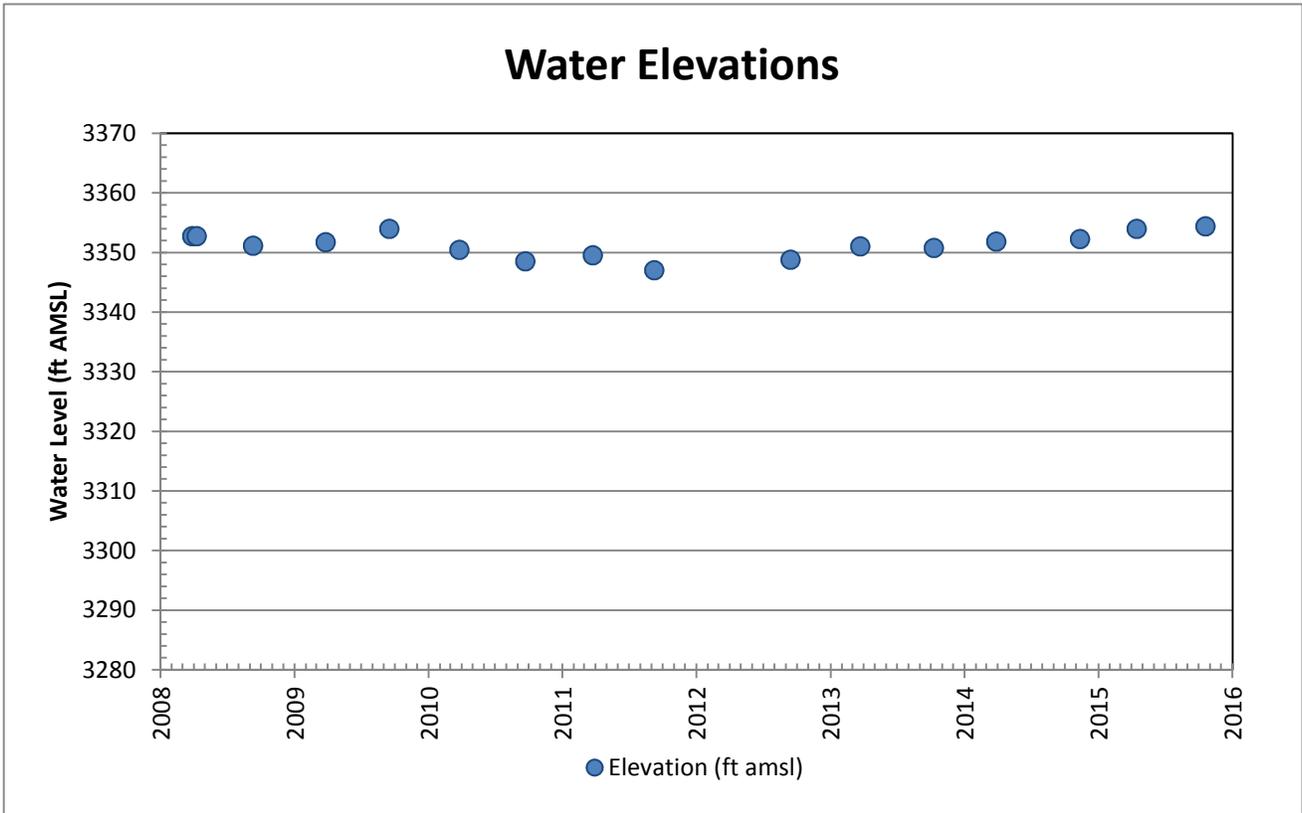
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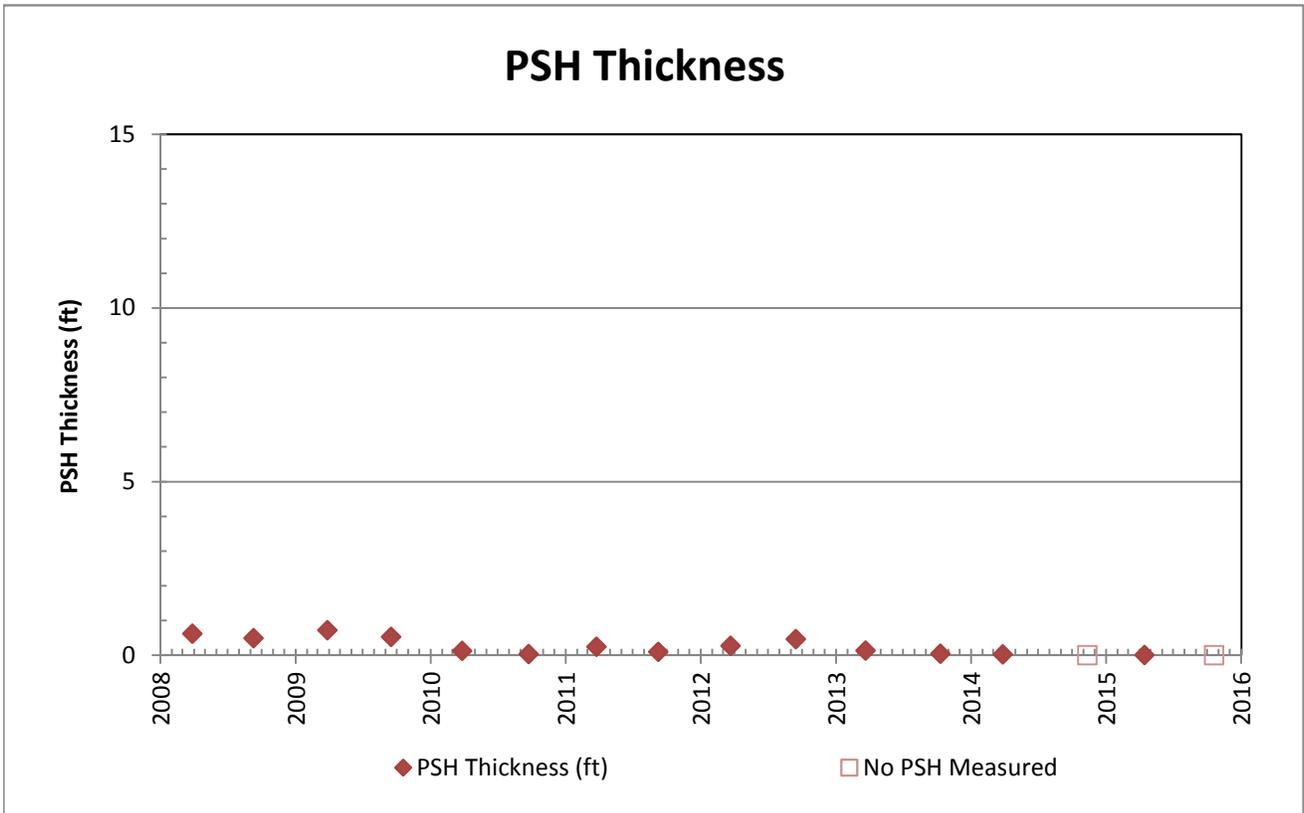
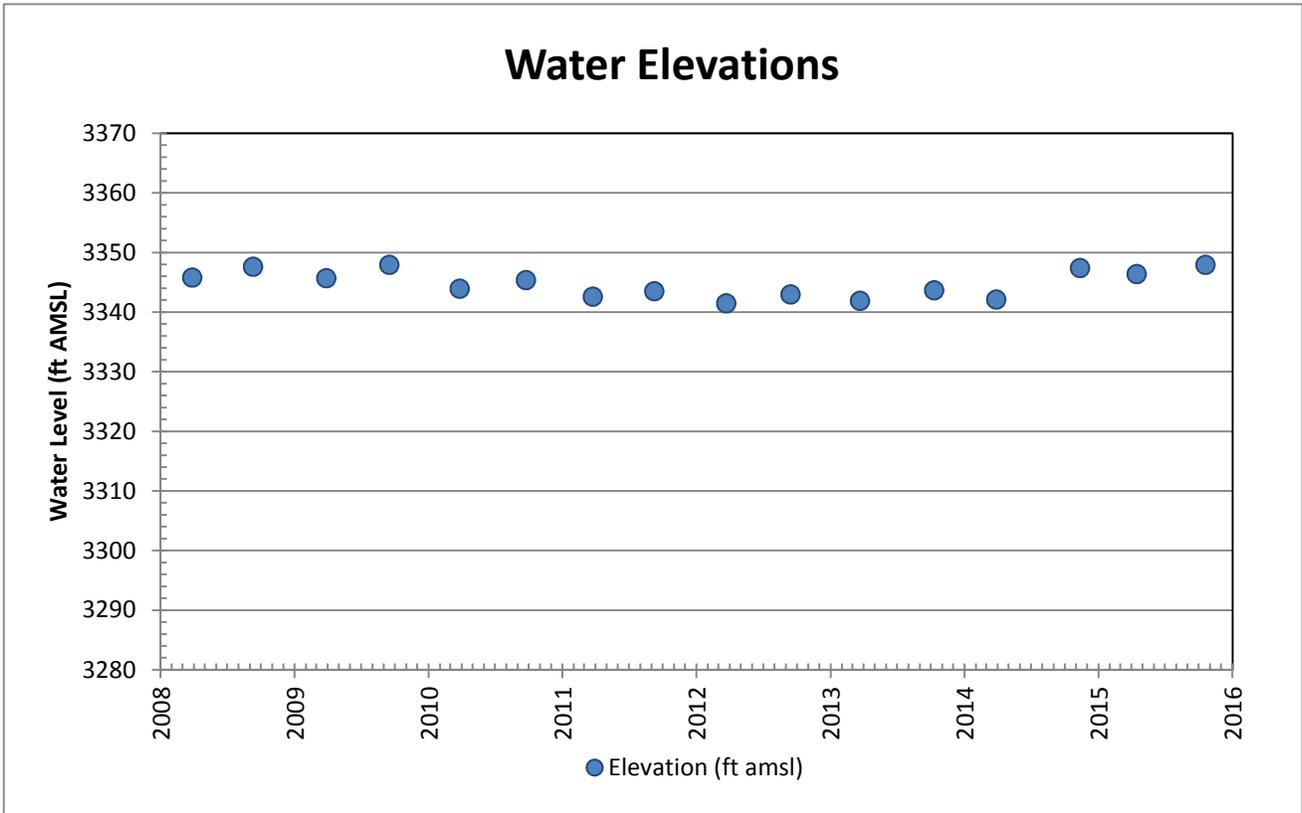
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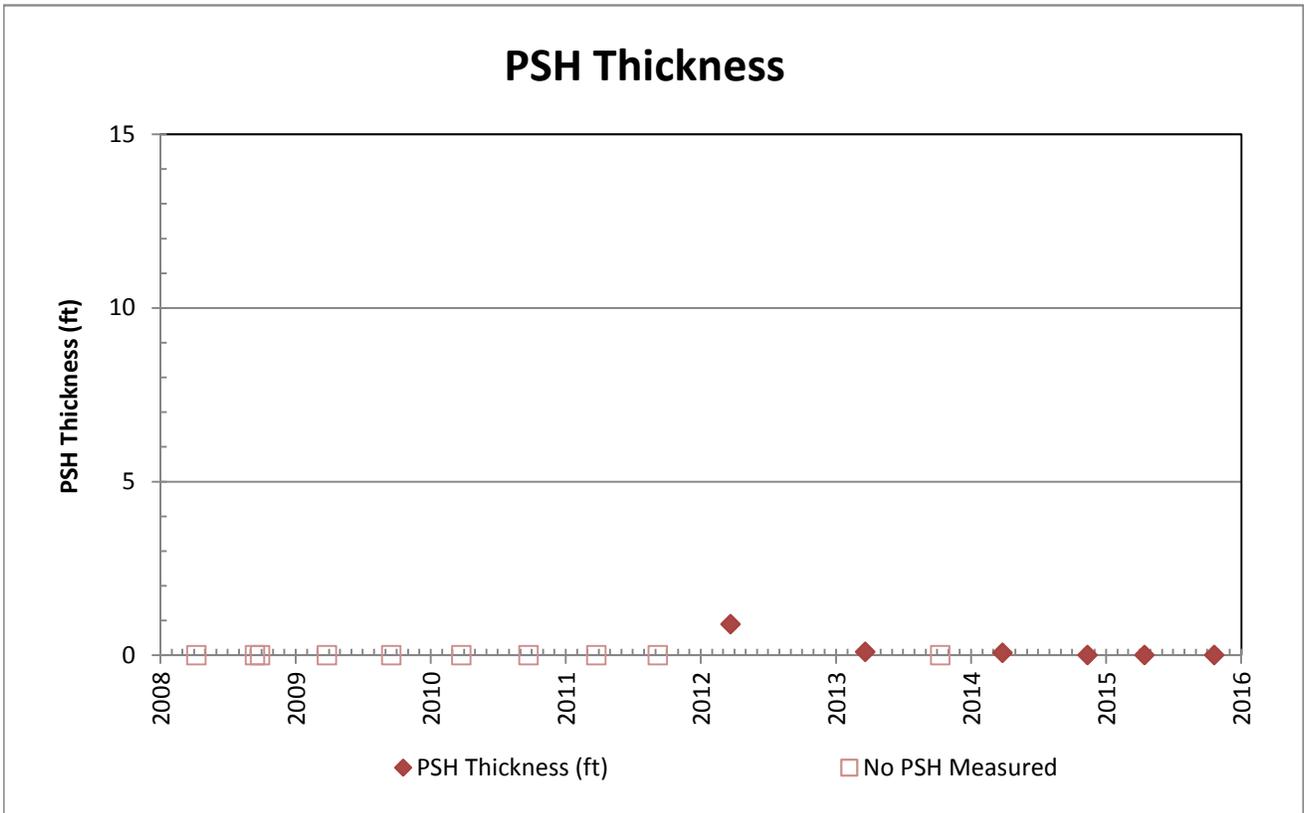
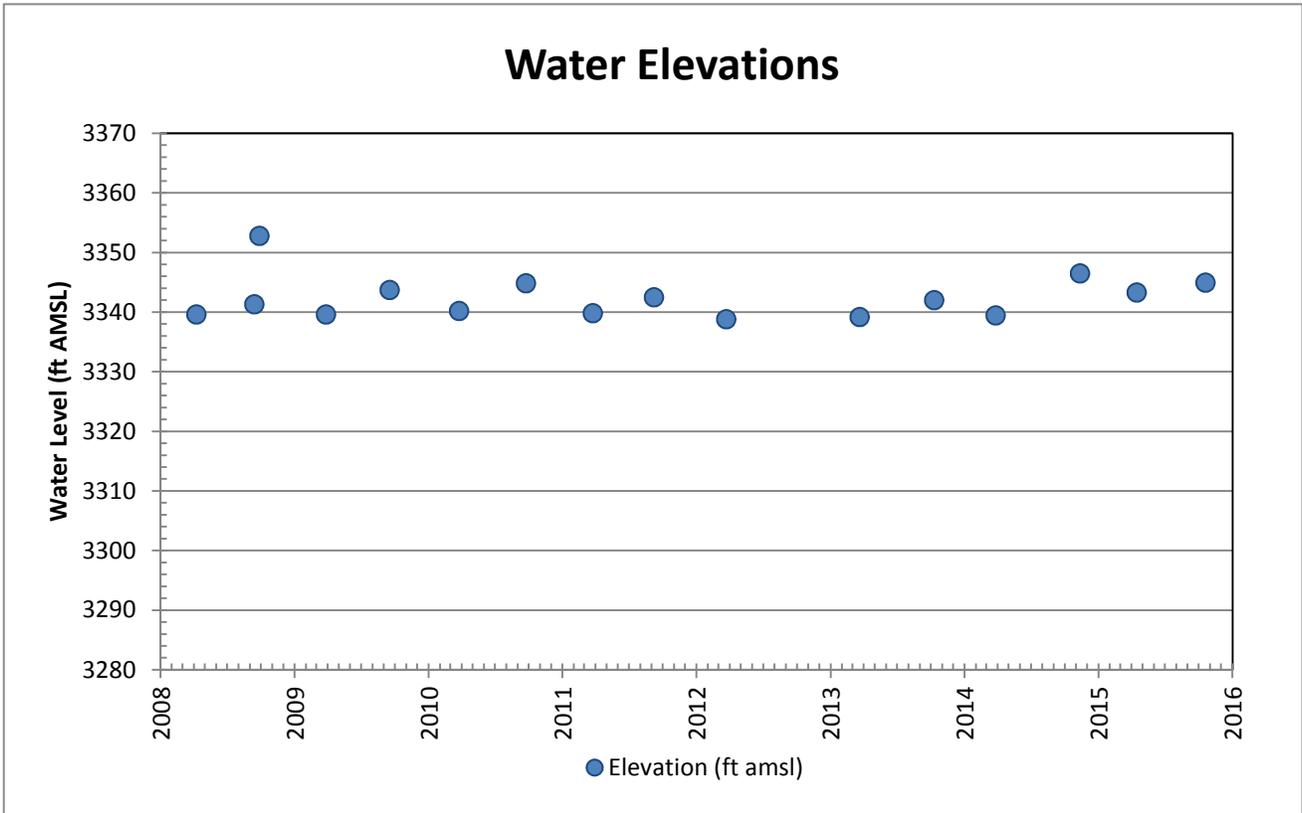
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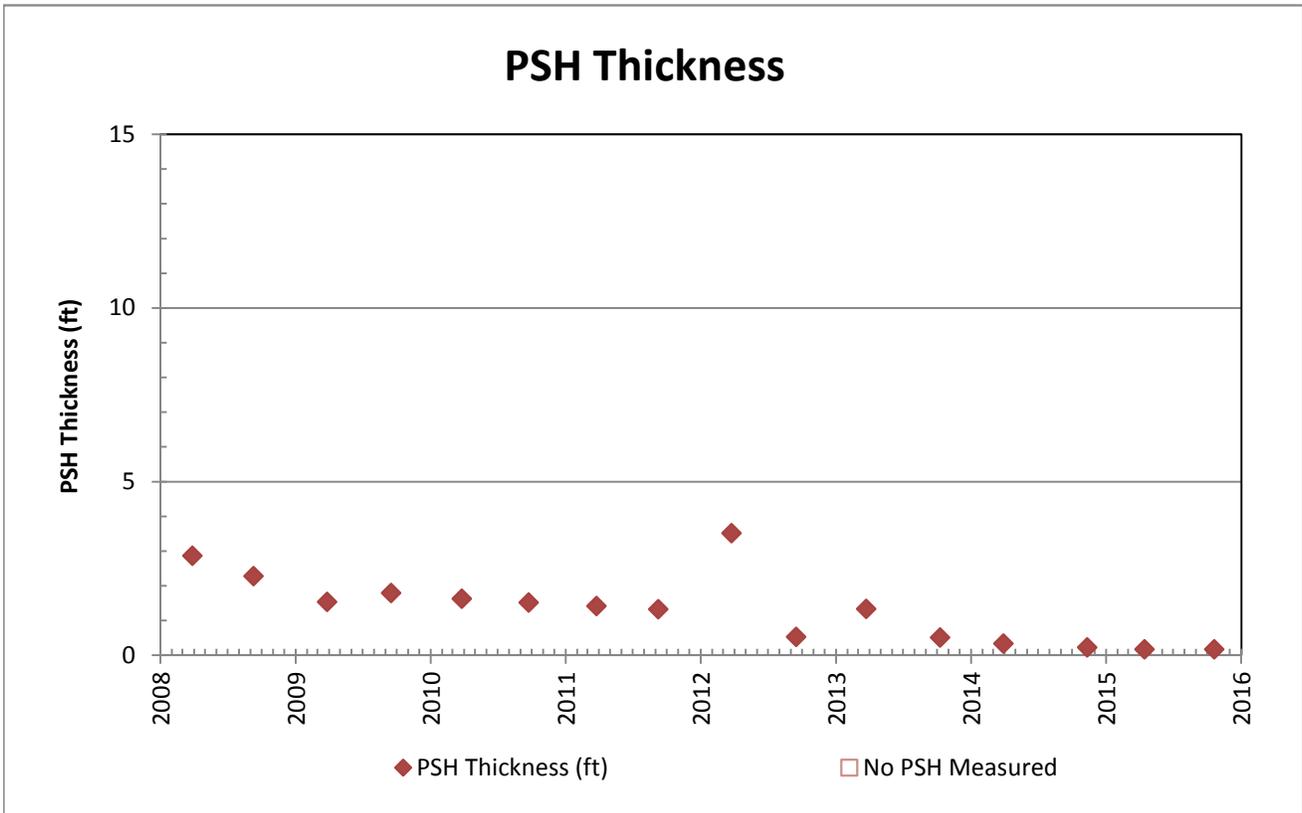
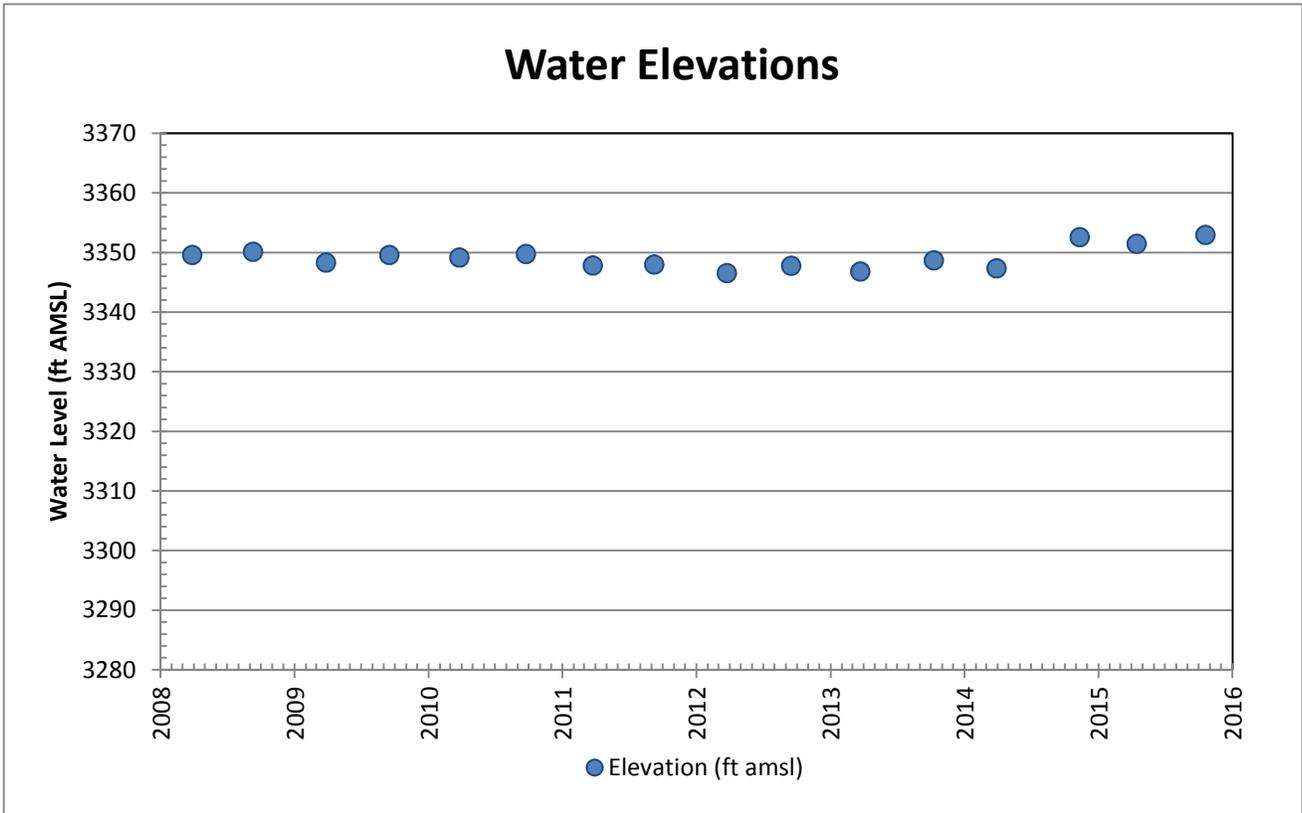
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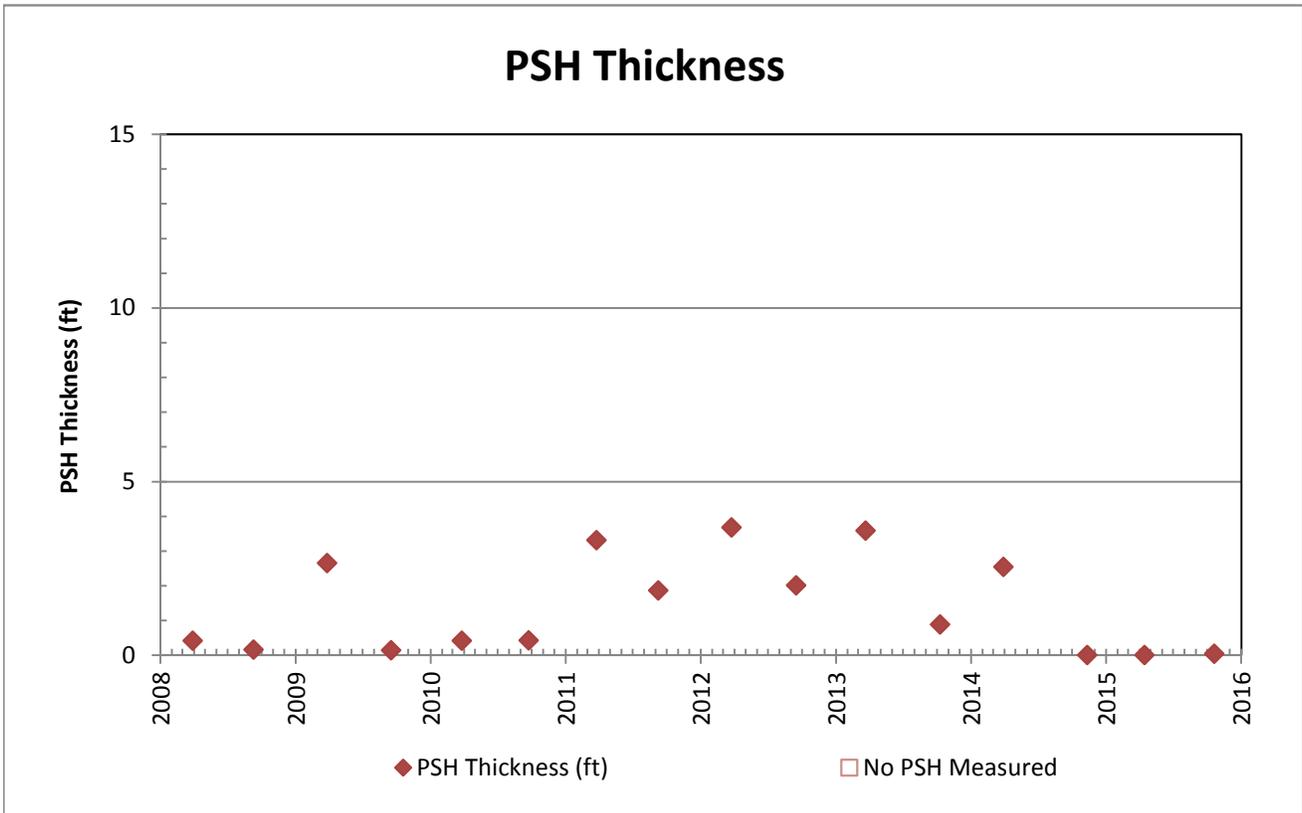
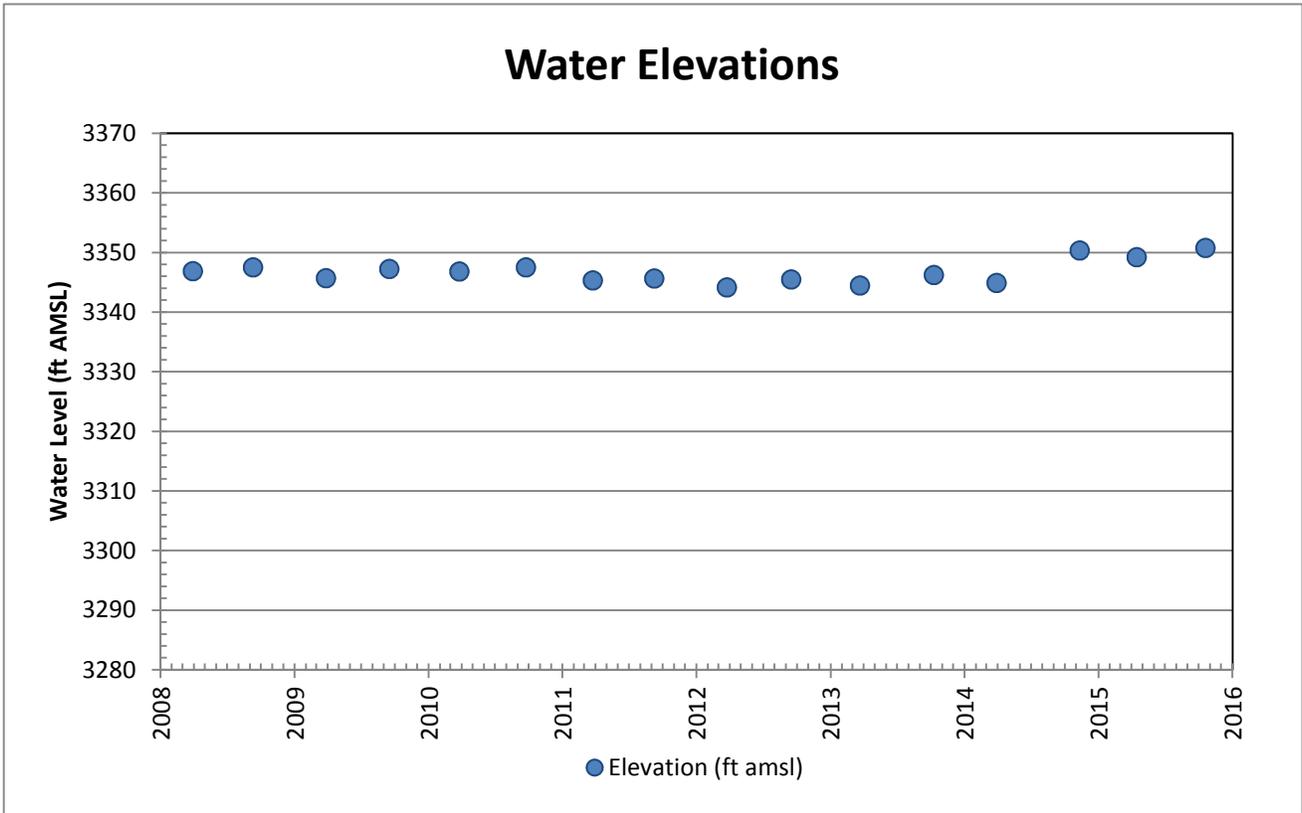
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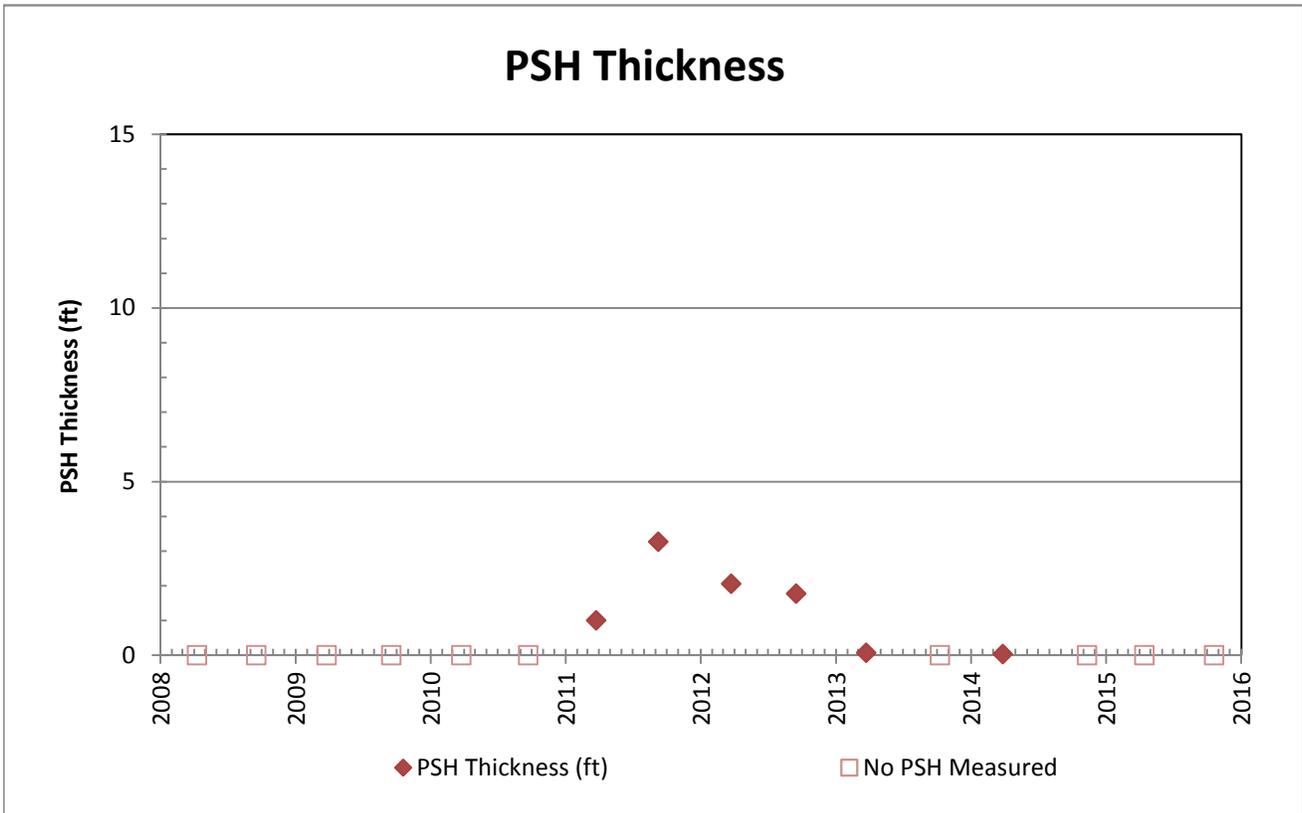
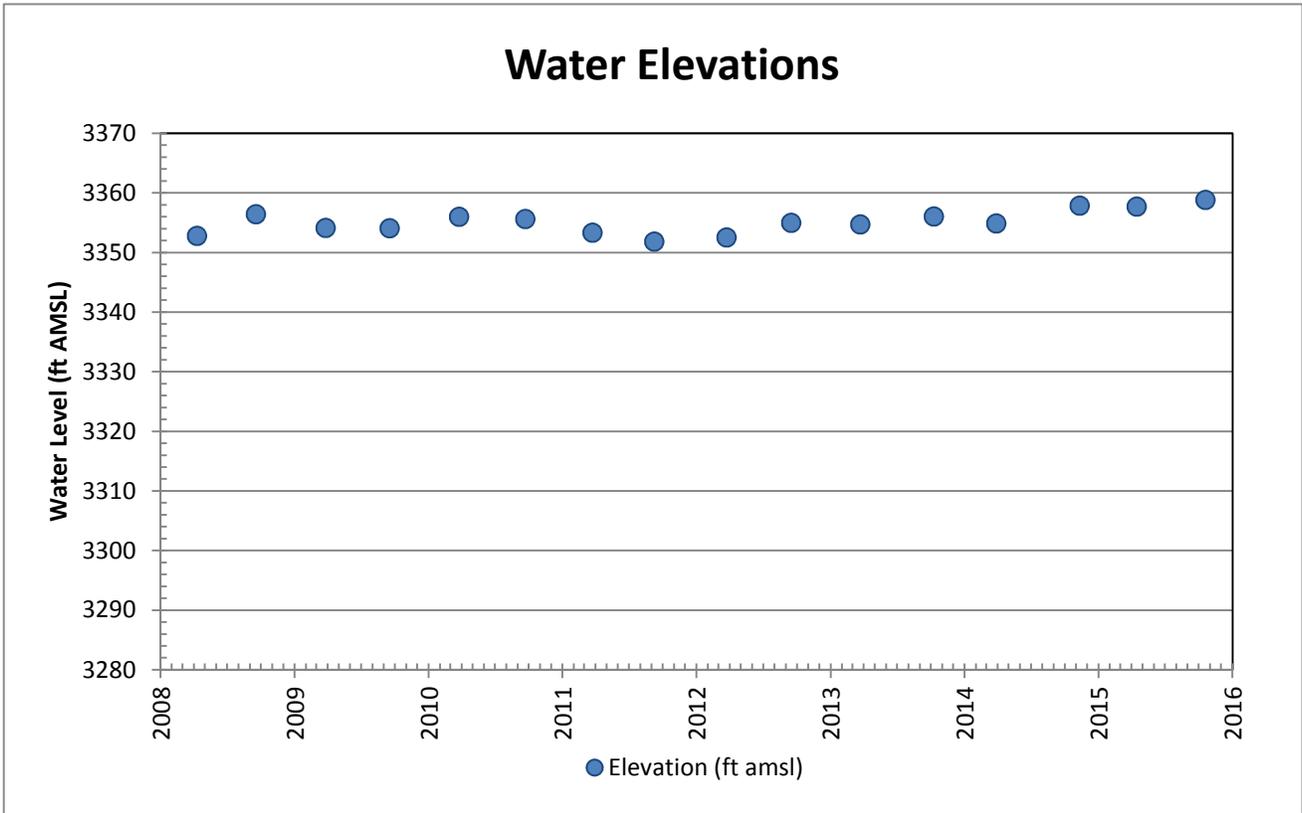
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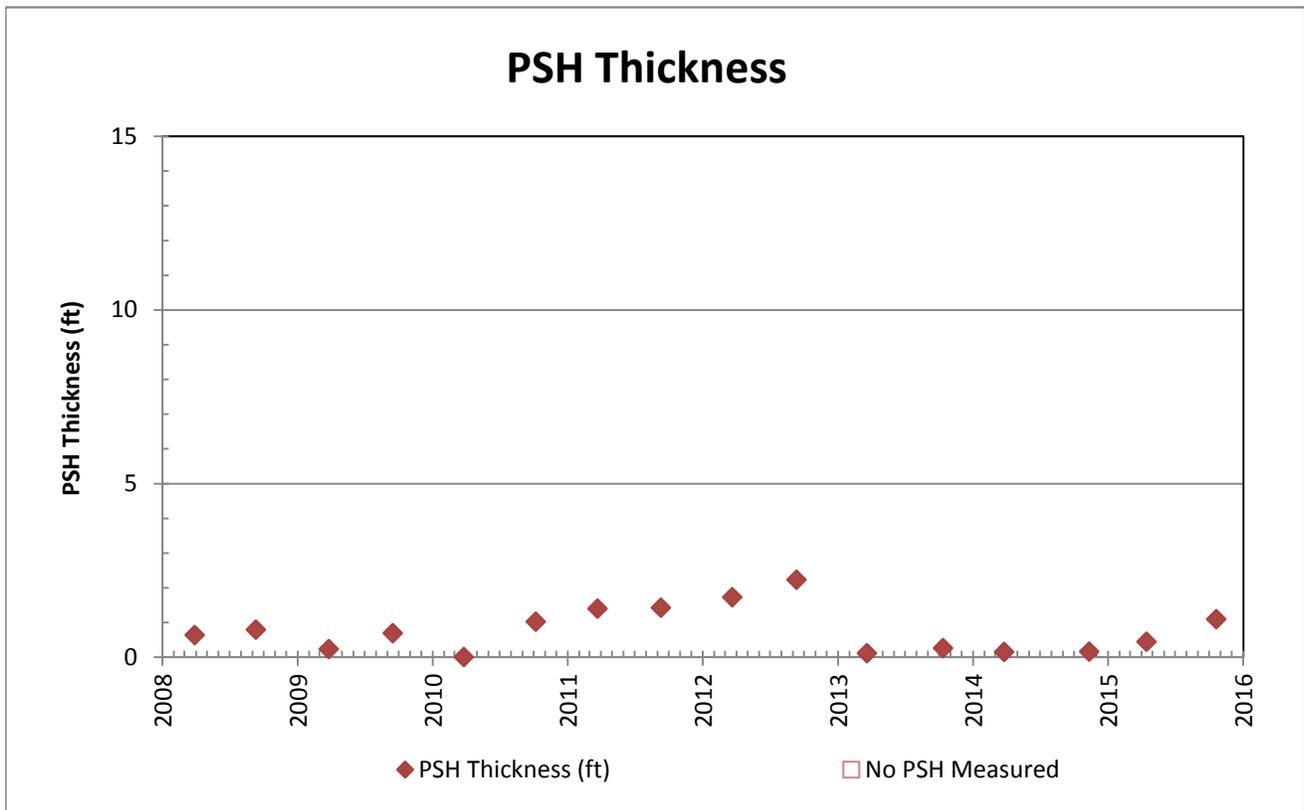
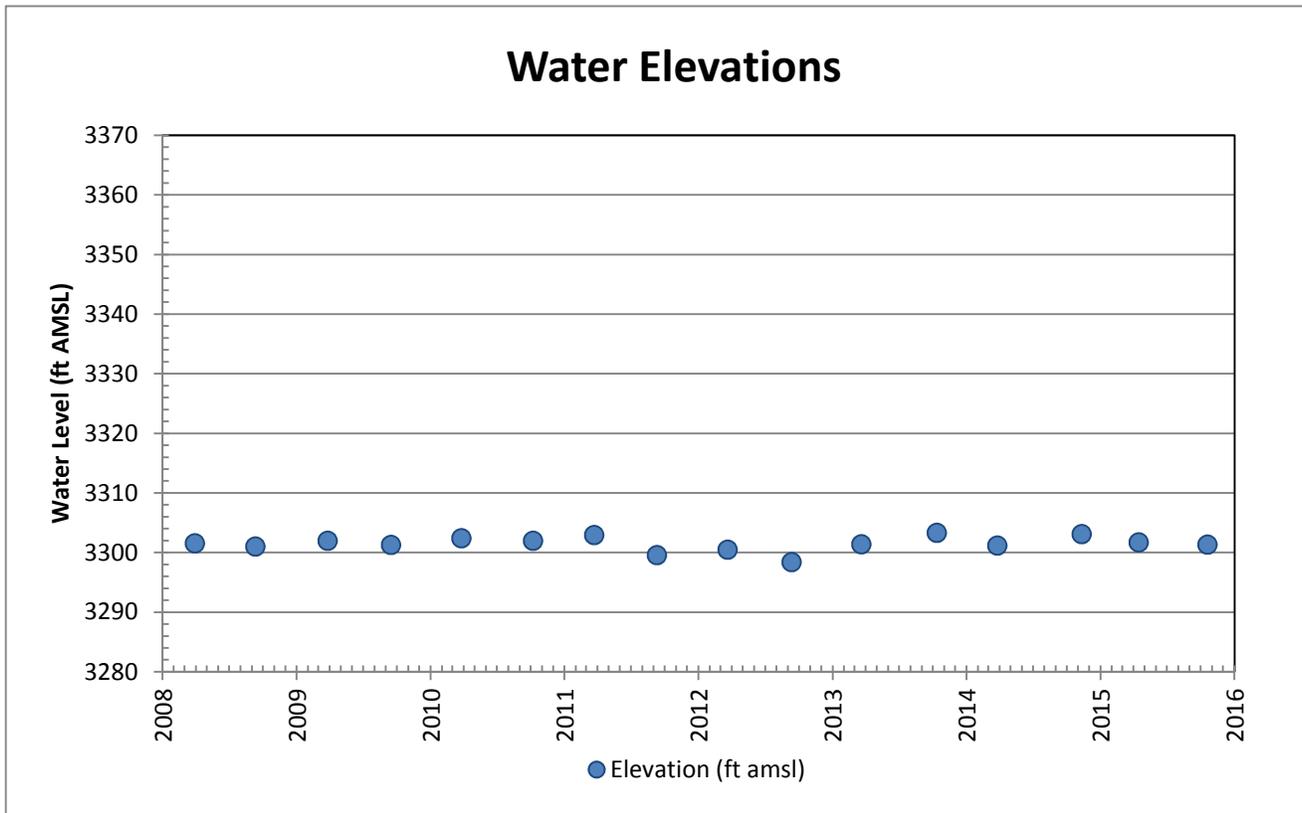
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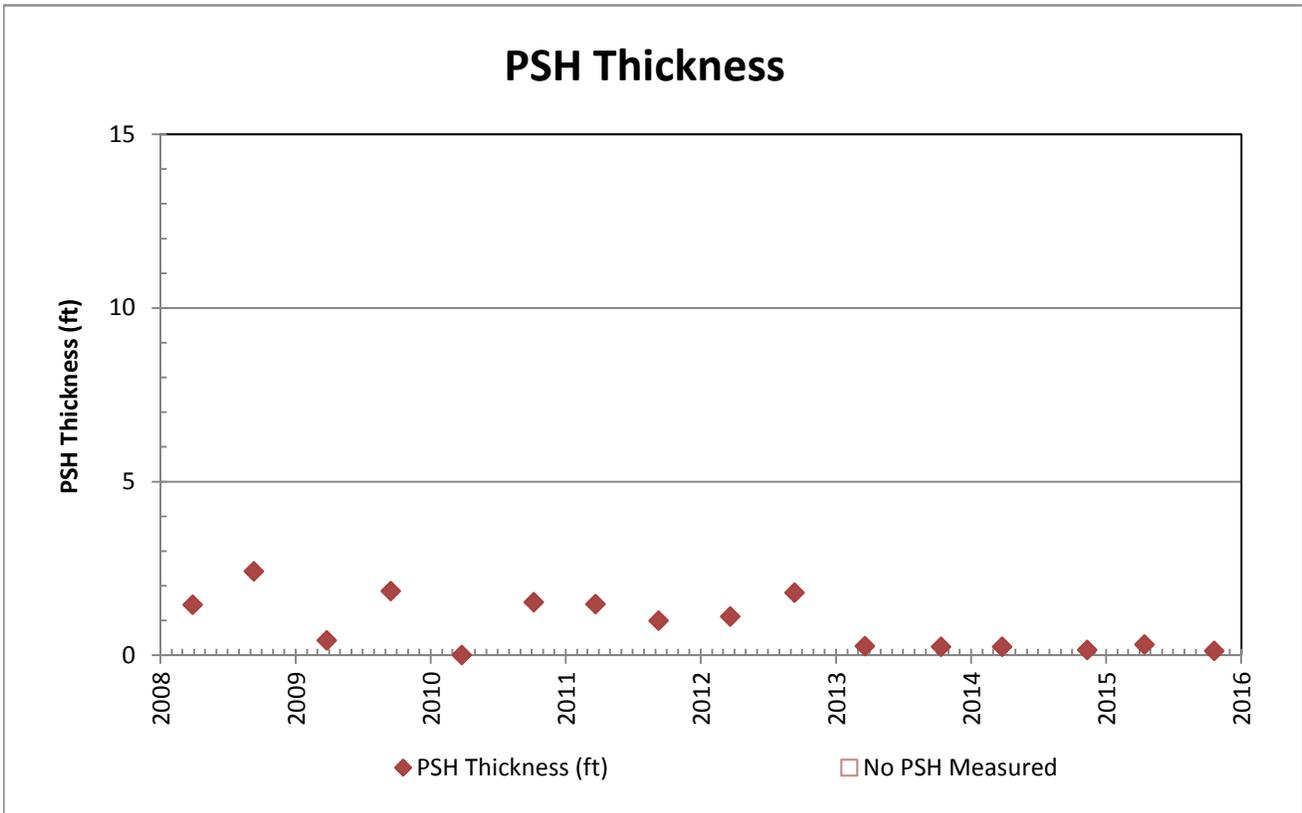
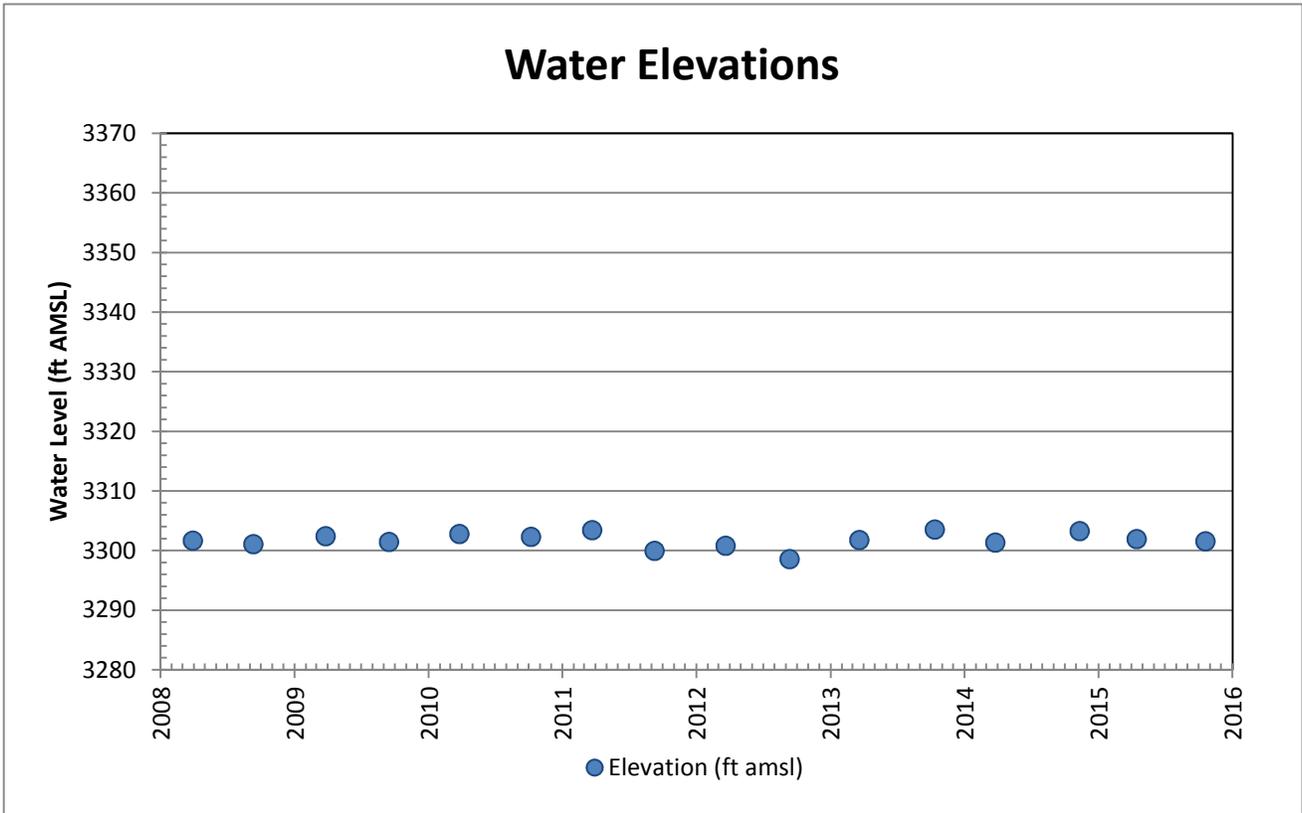
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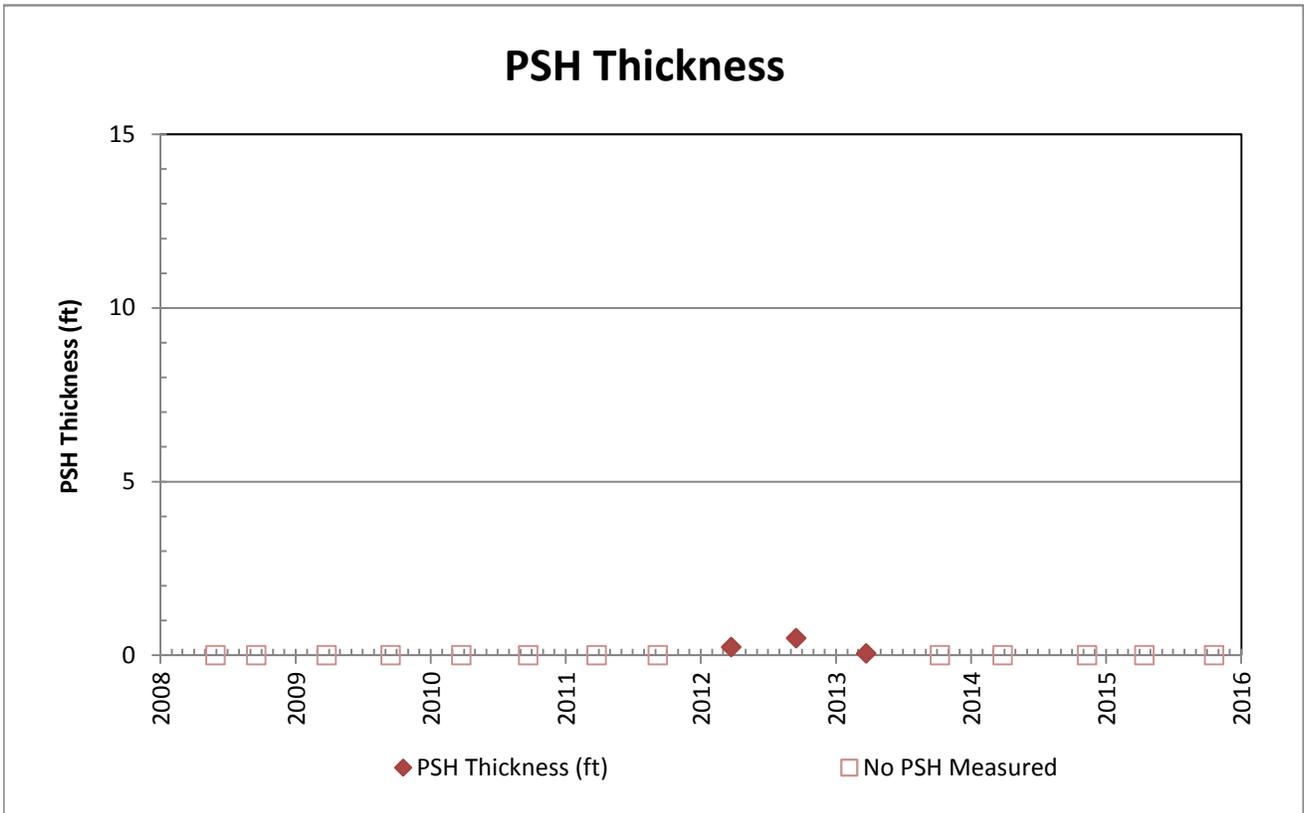
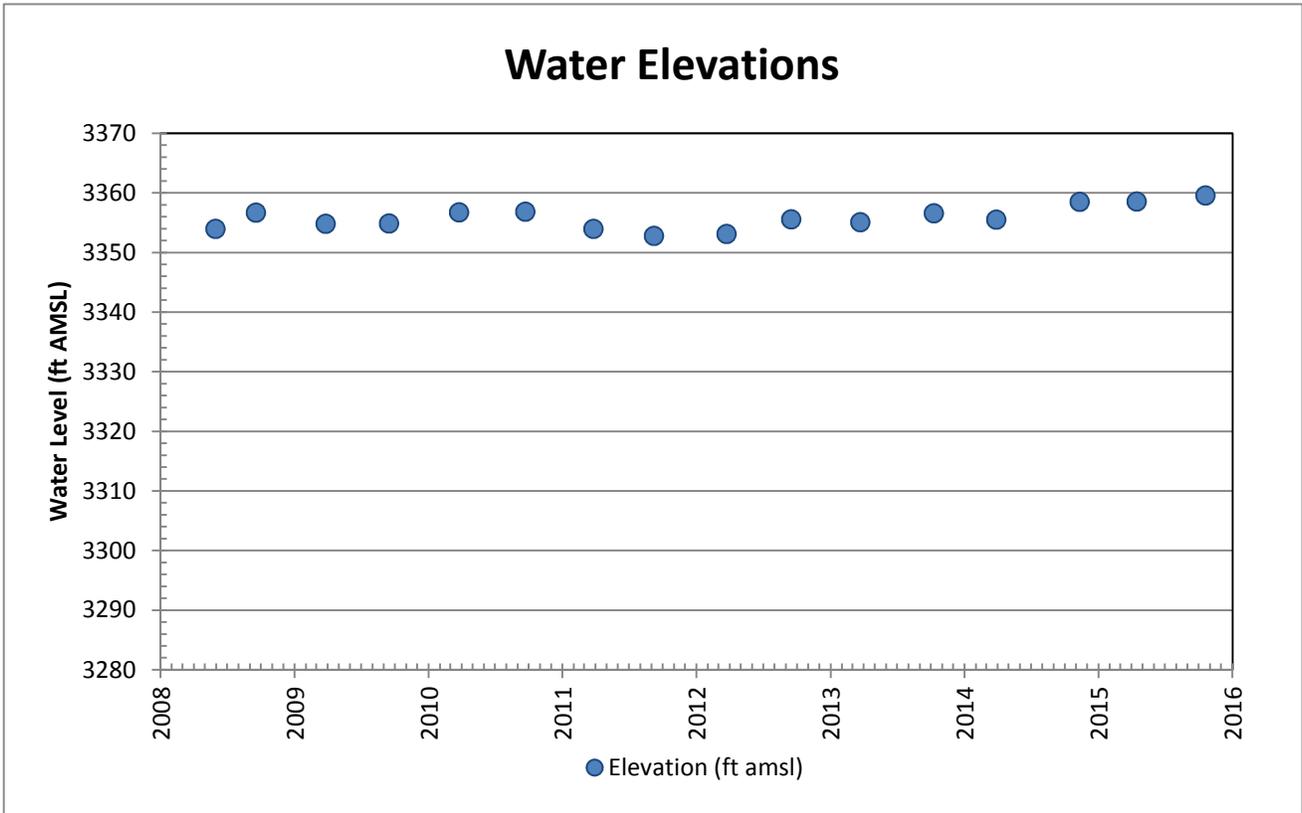
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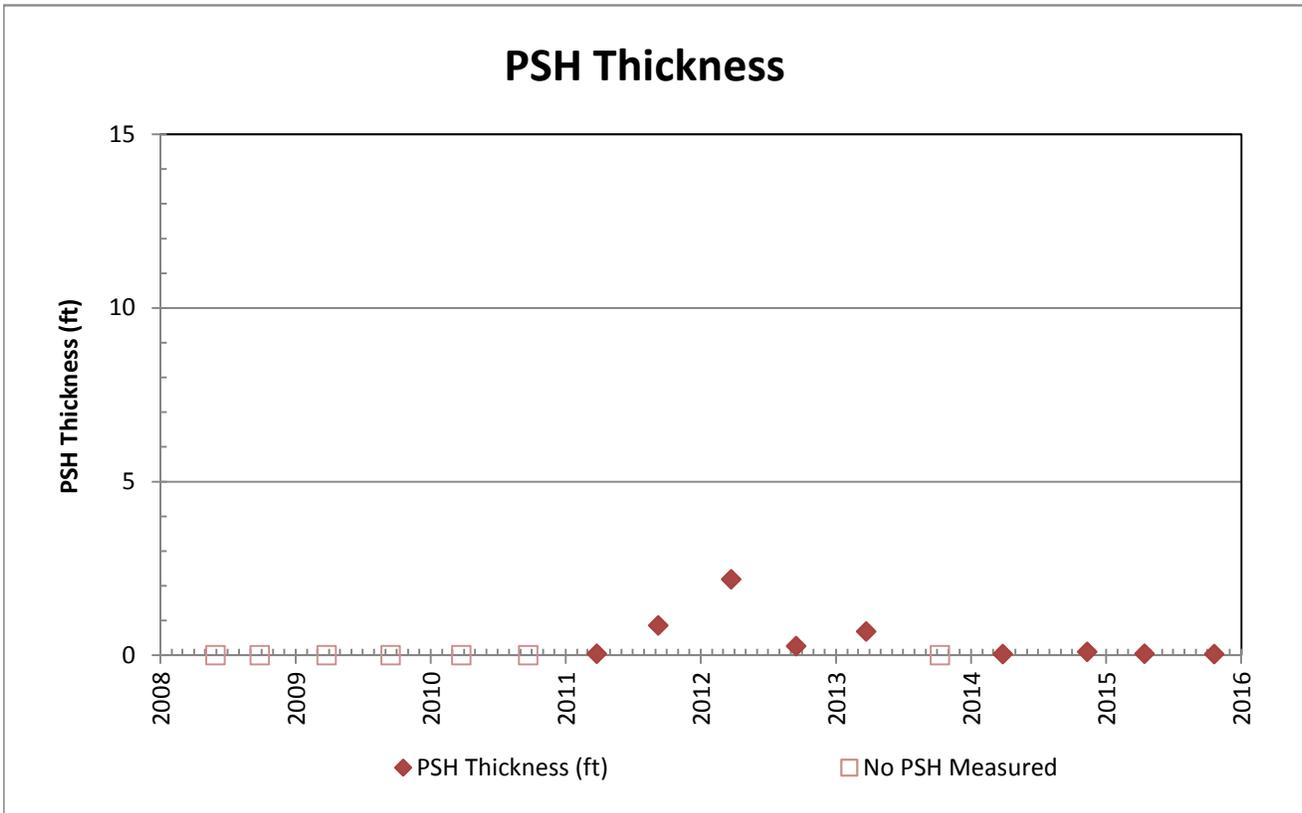
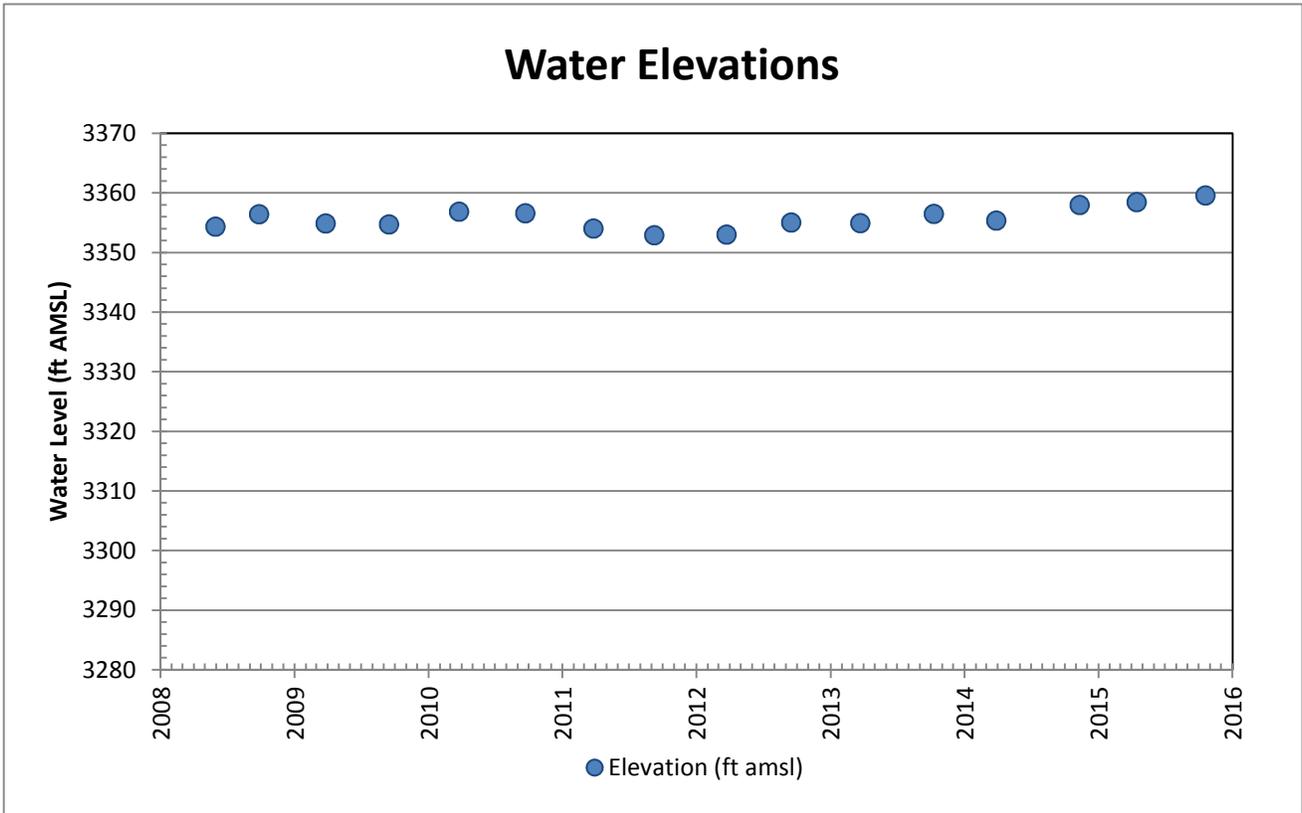
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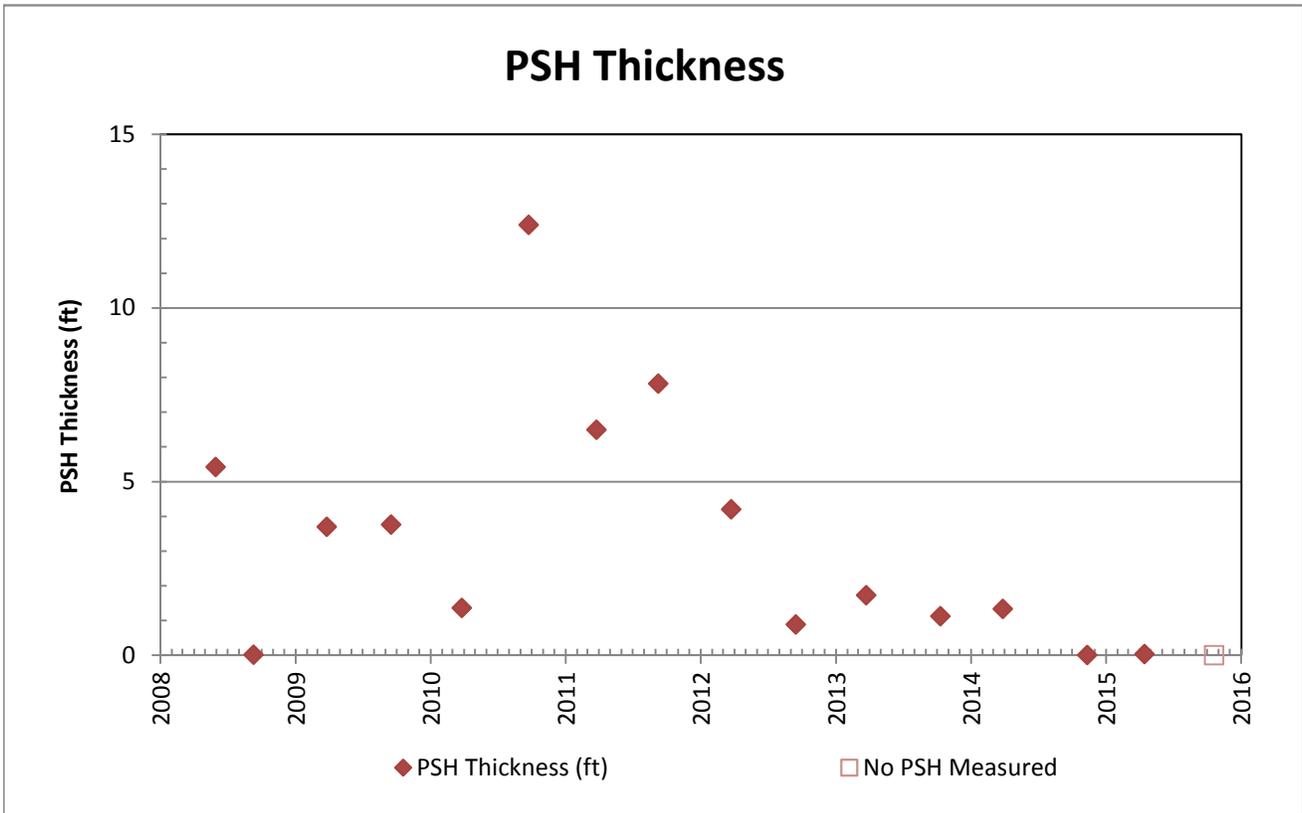
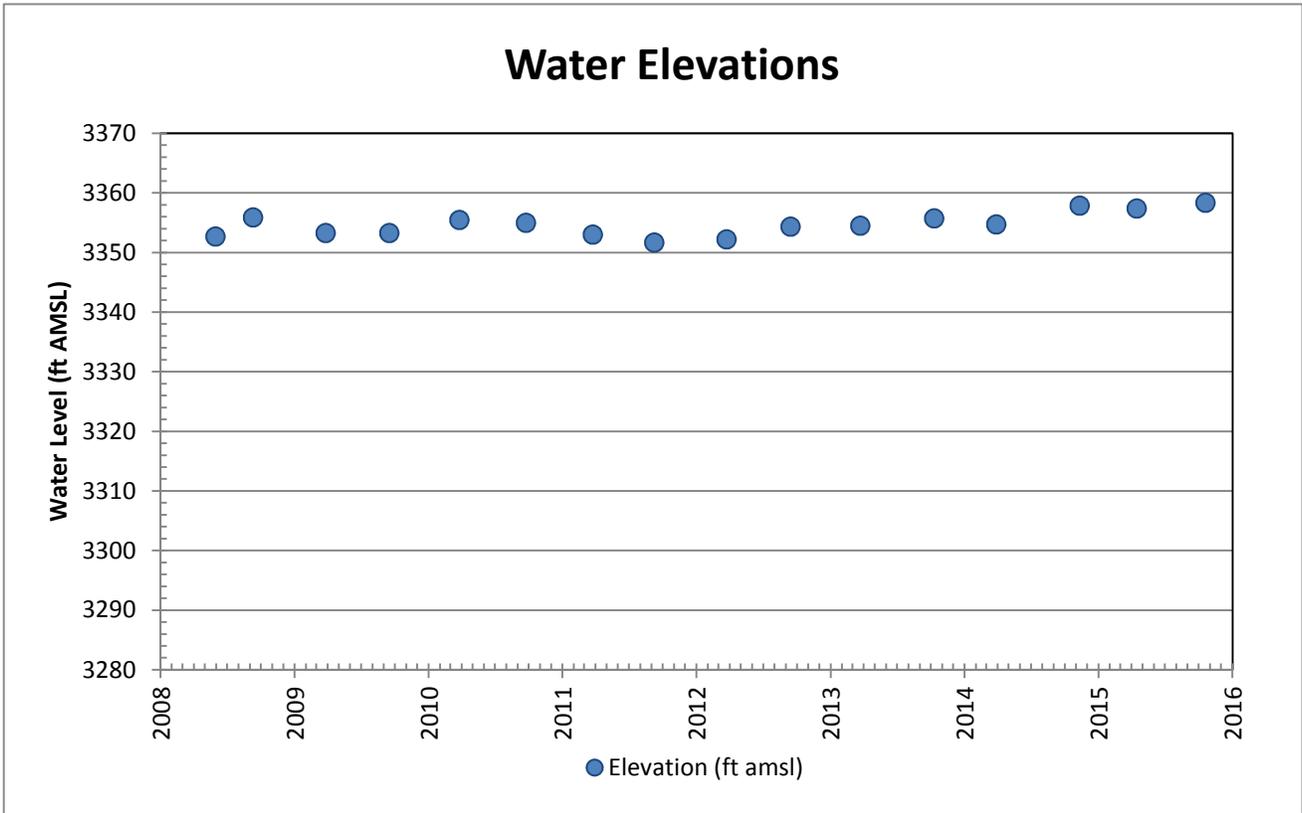
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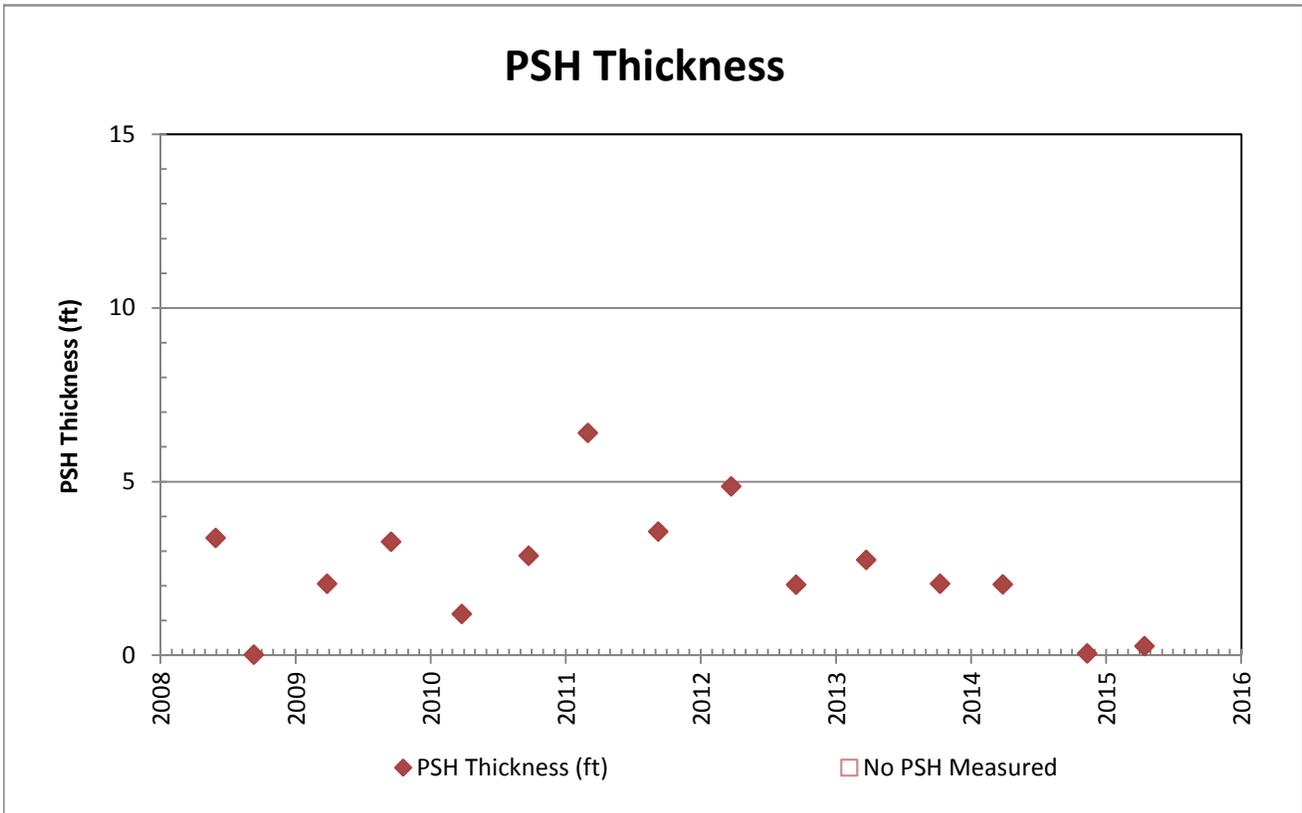
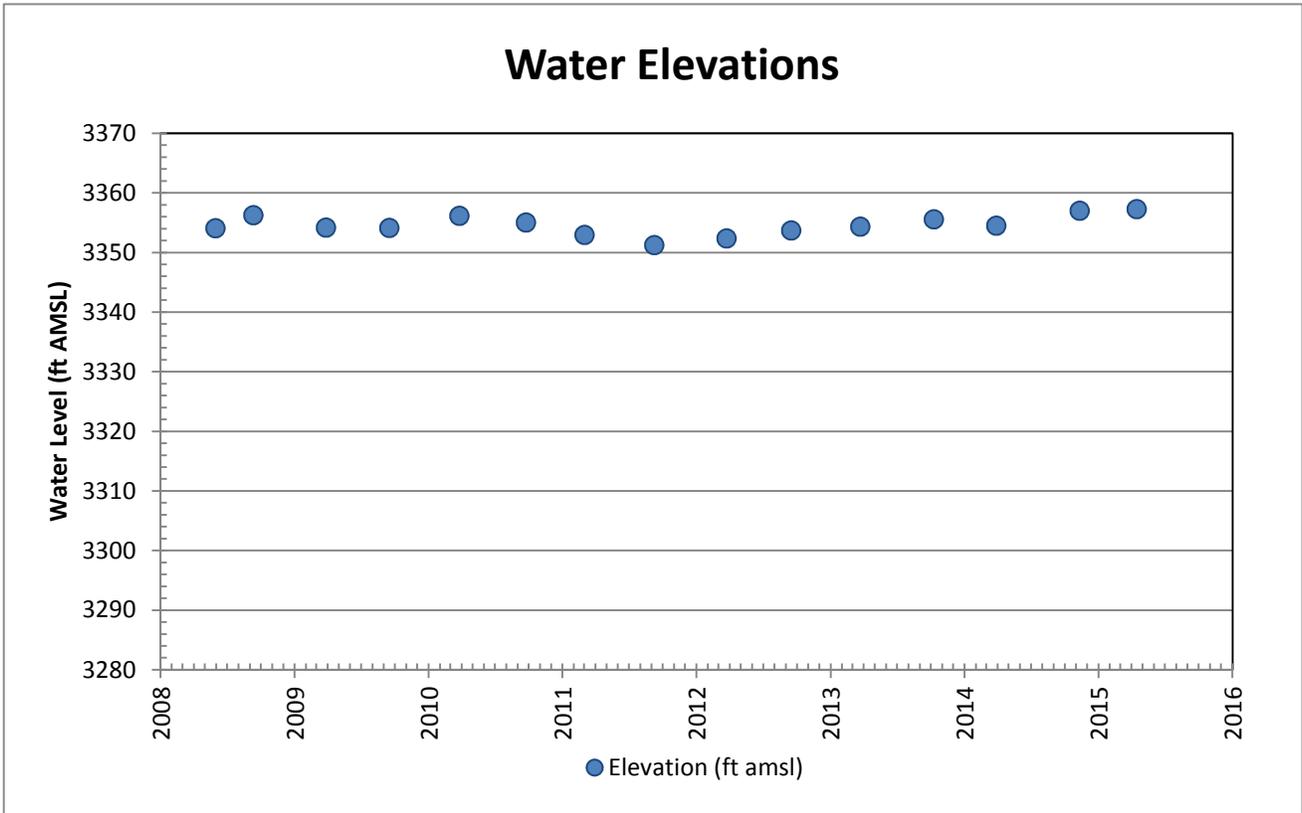
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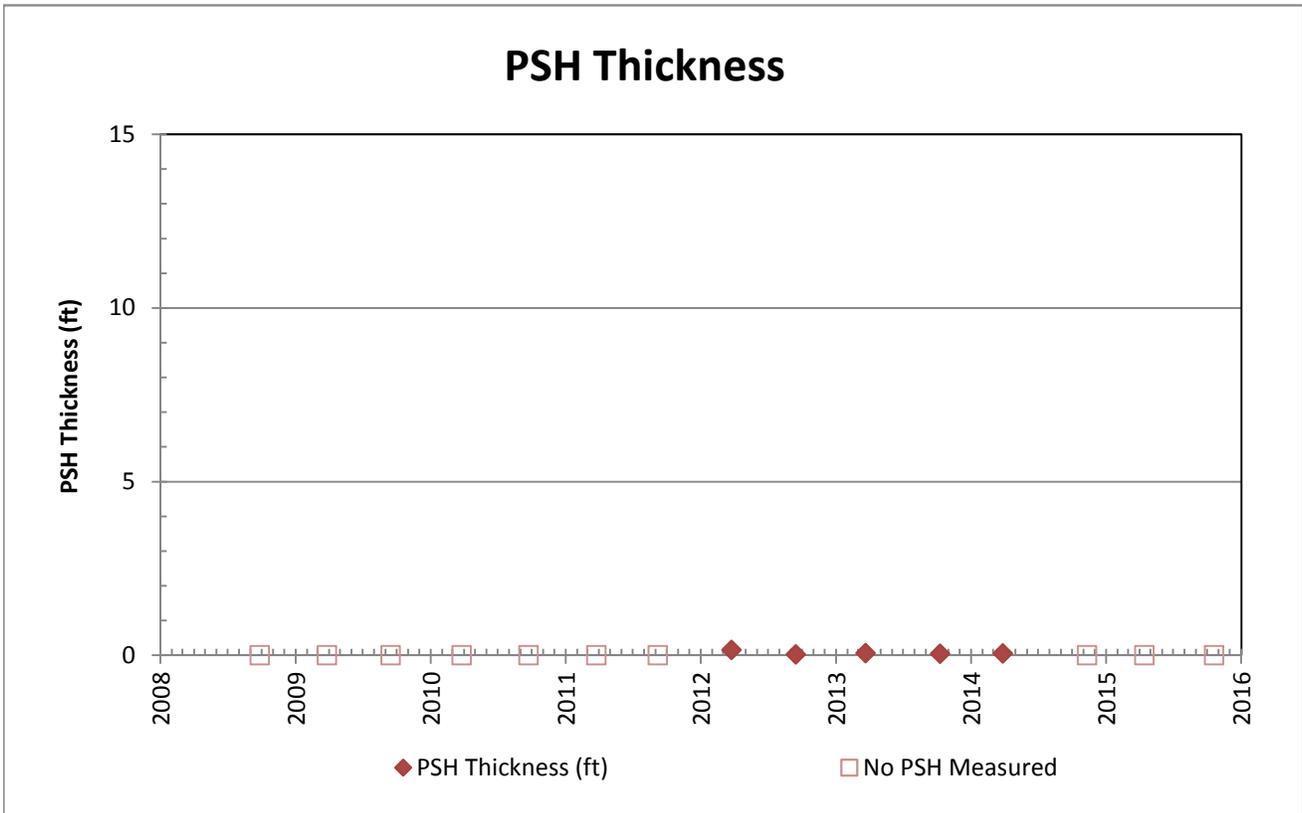
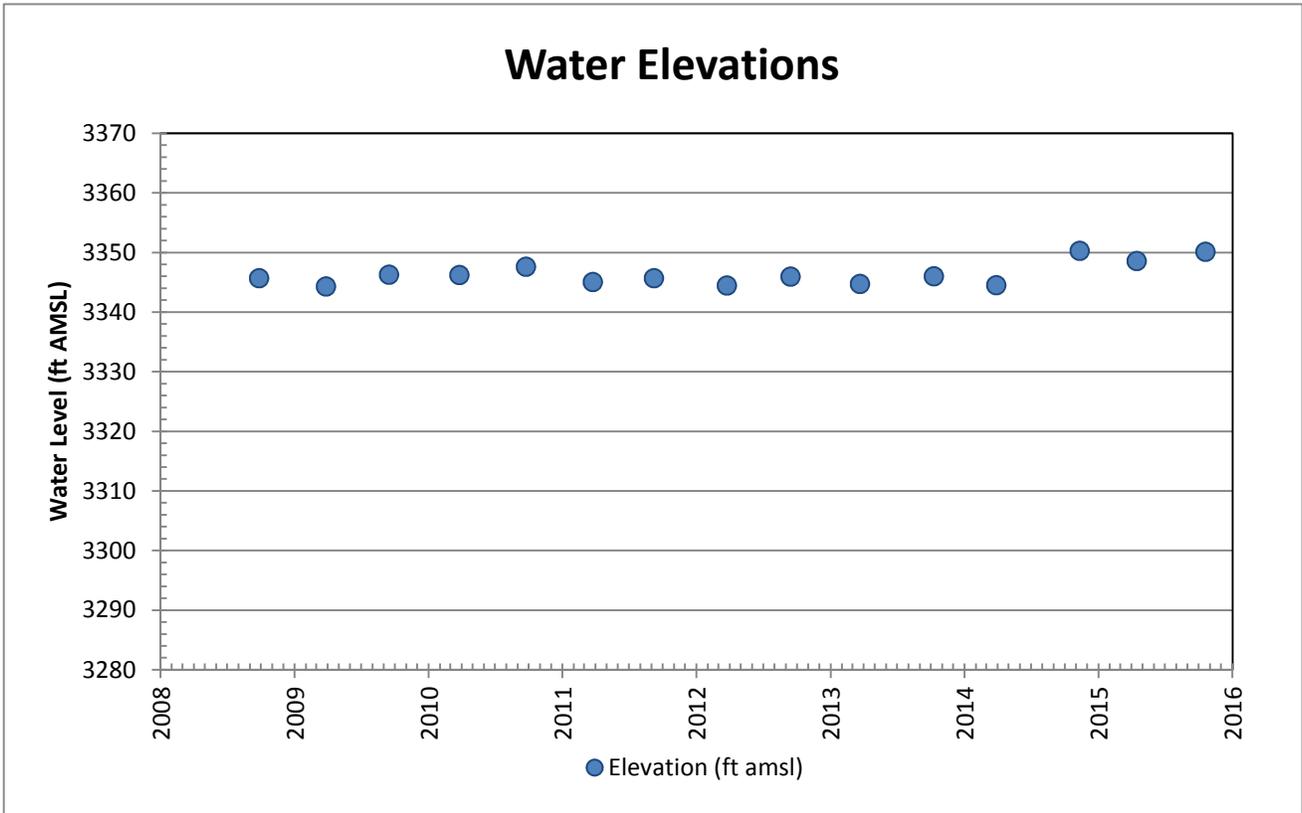
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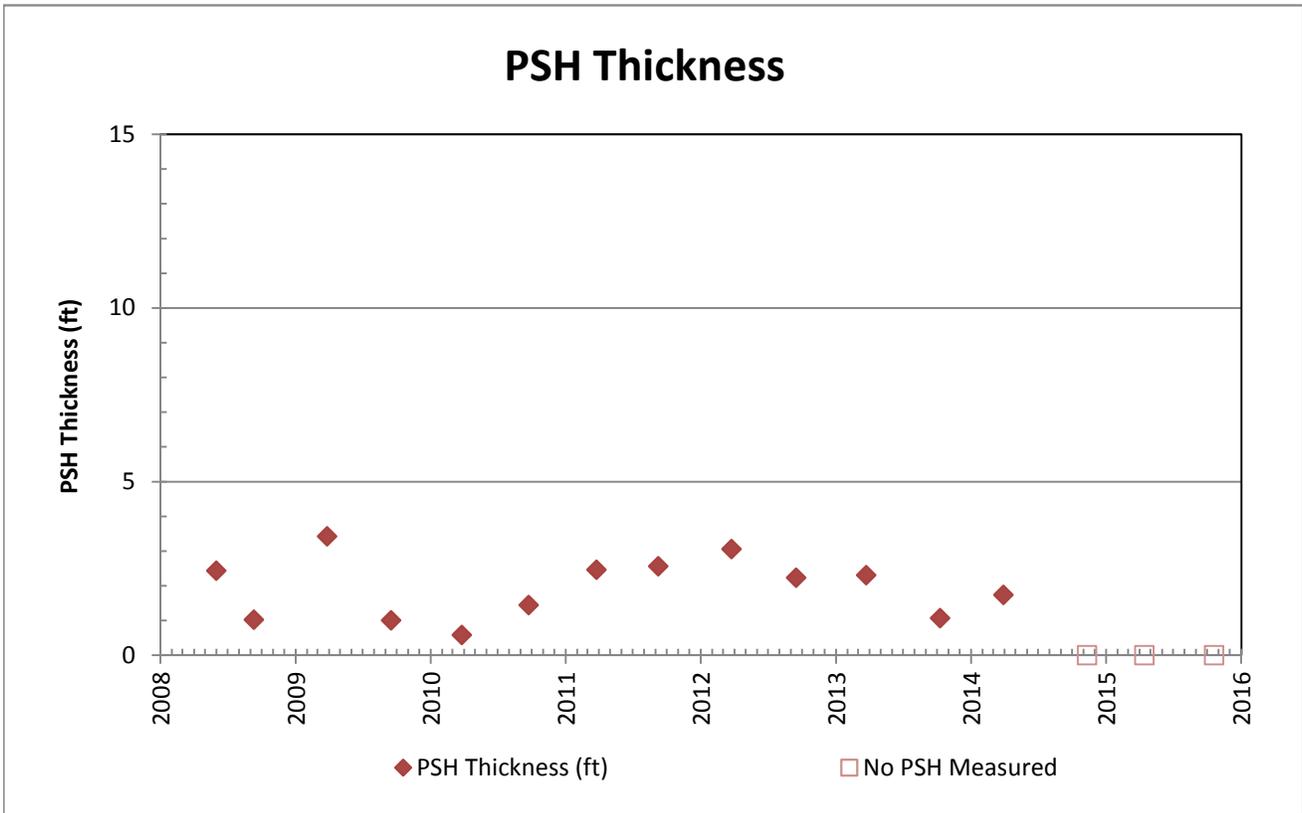
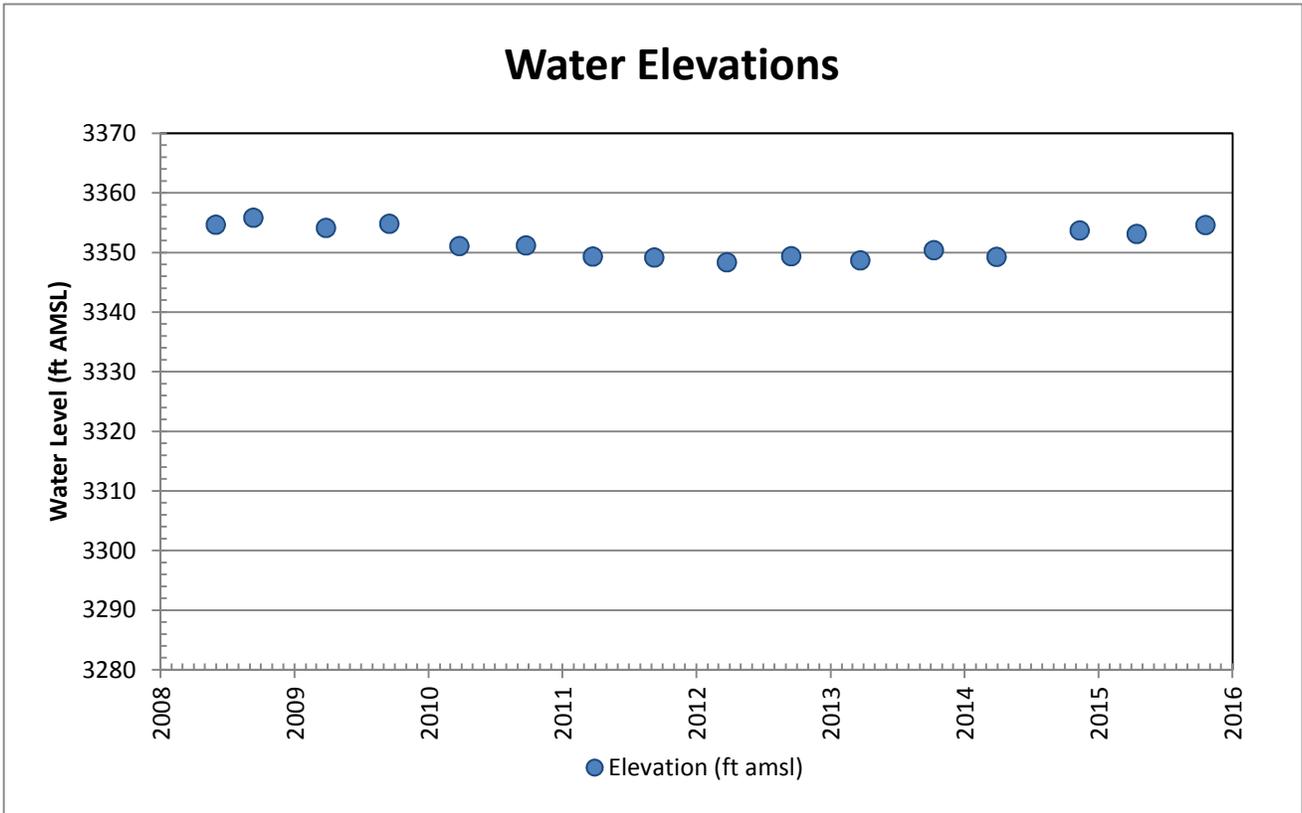
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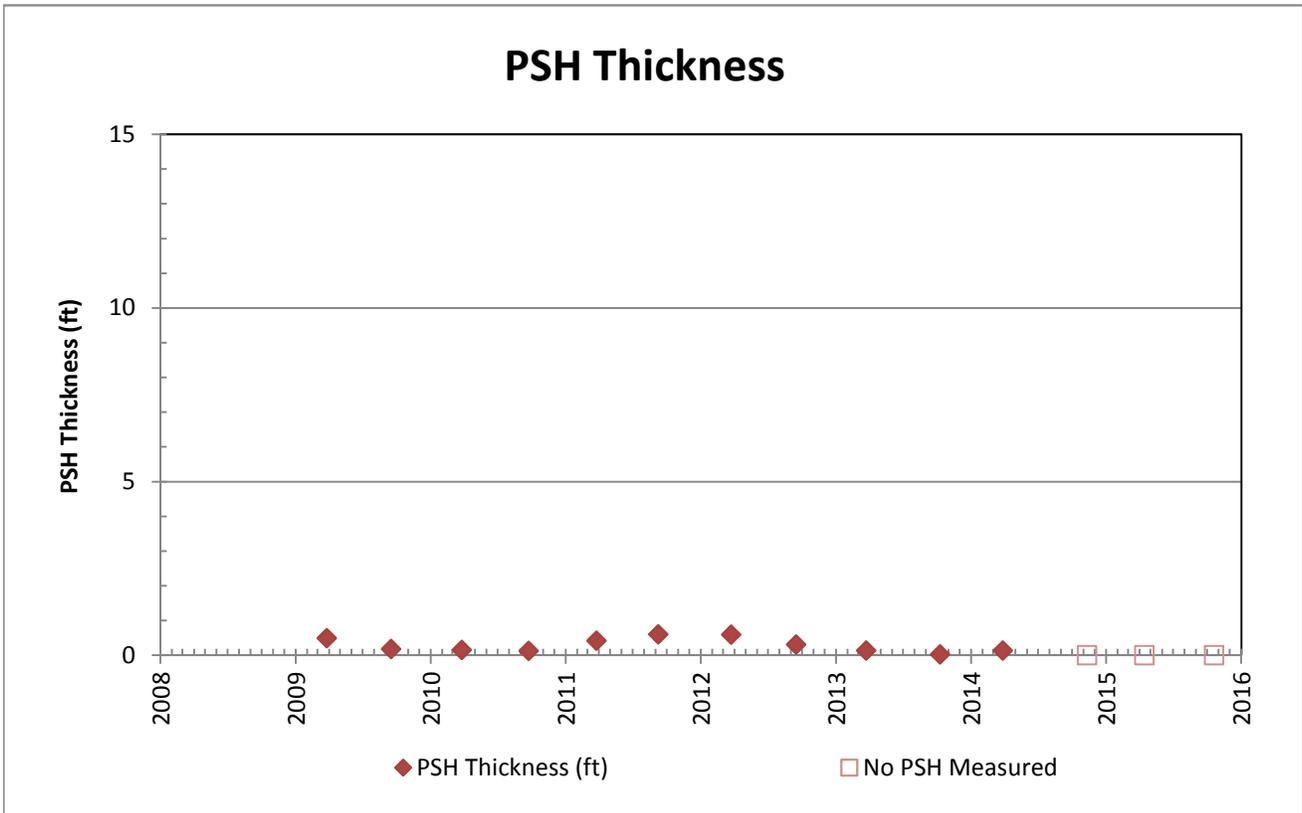
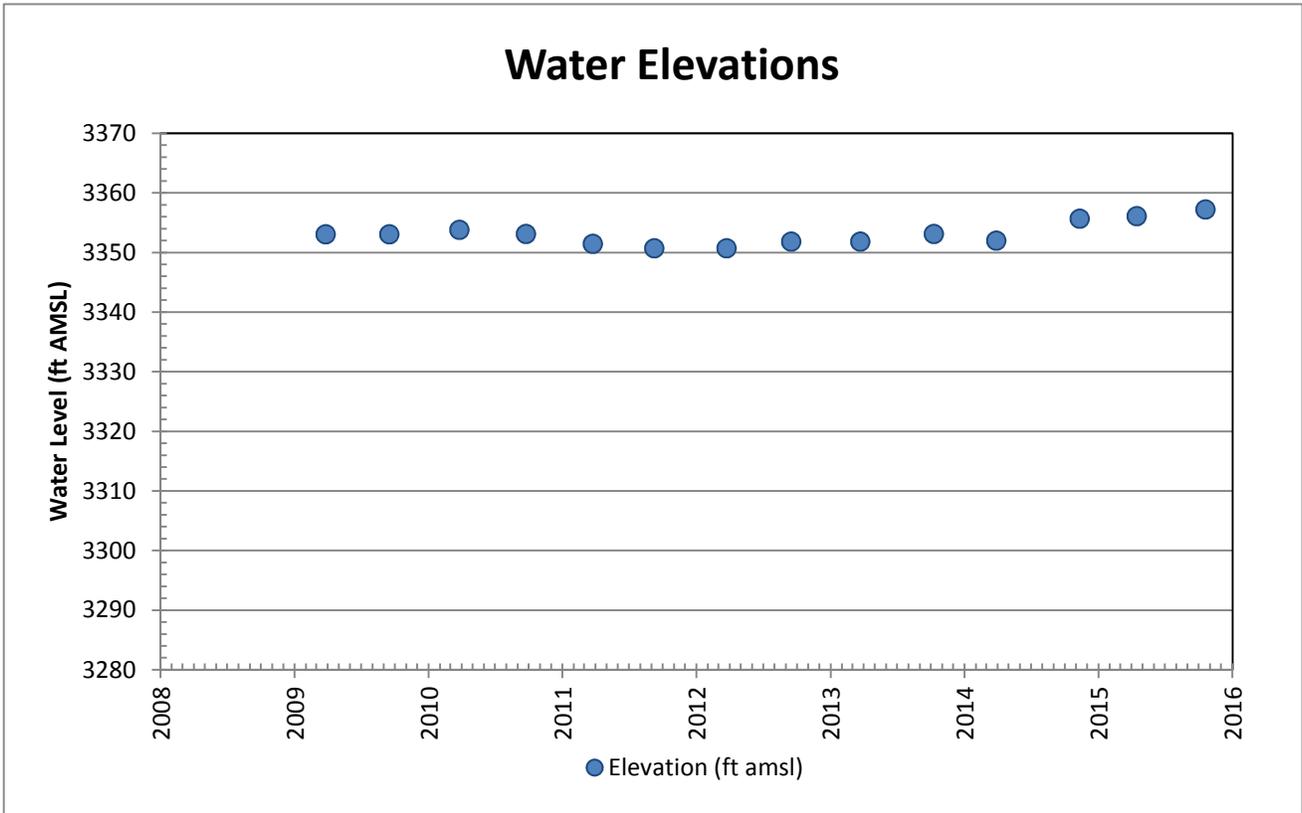
# MW-99



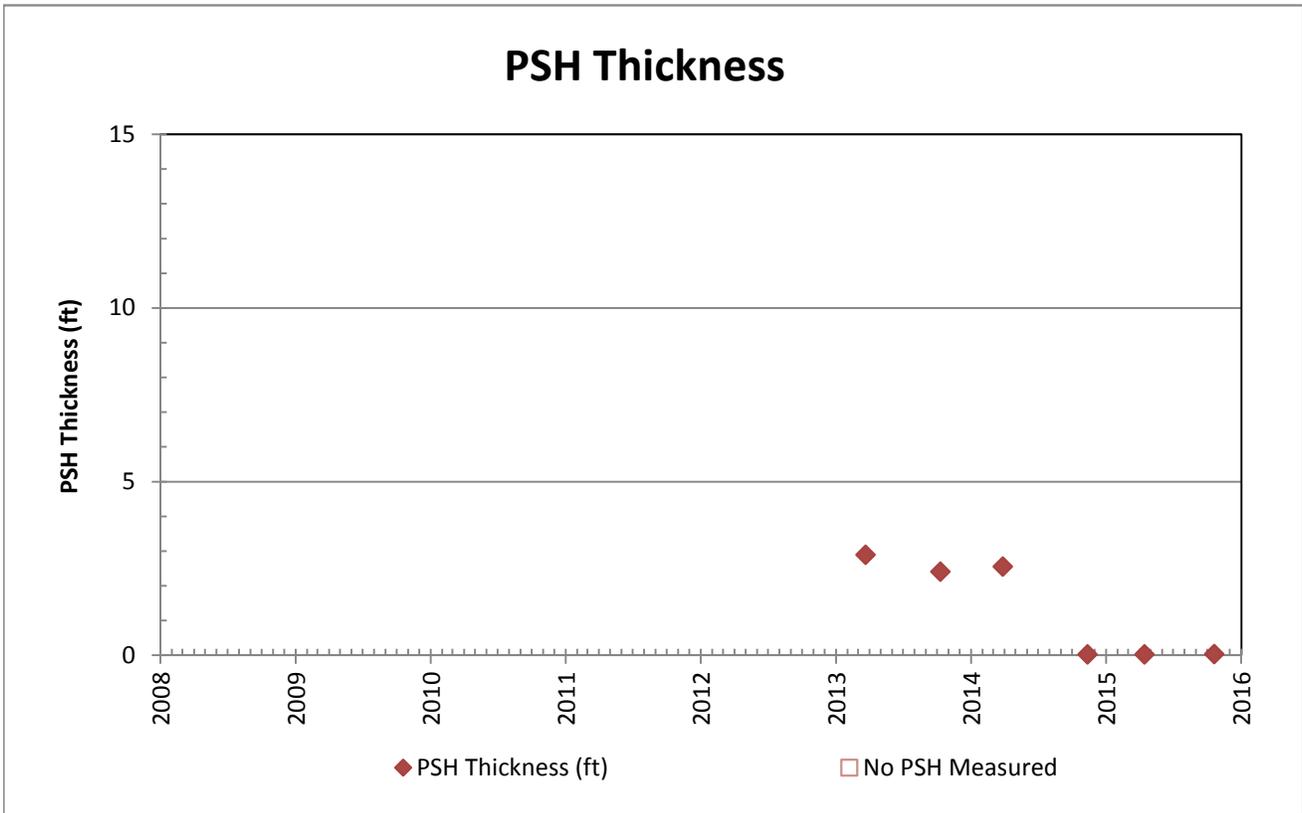
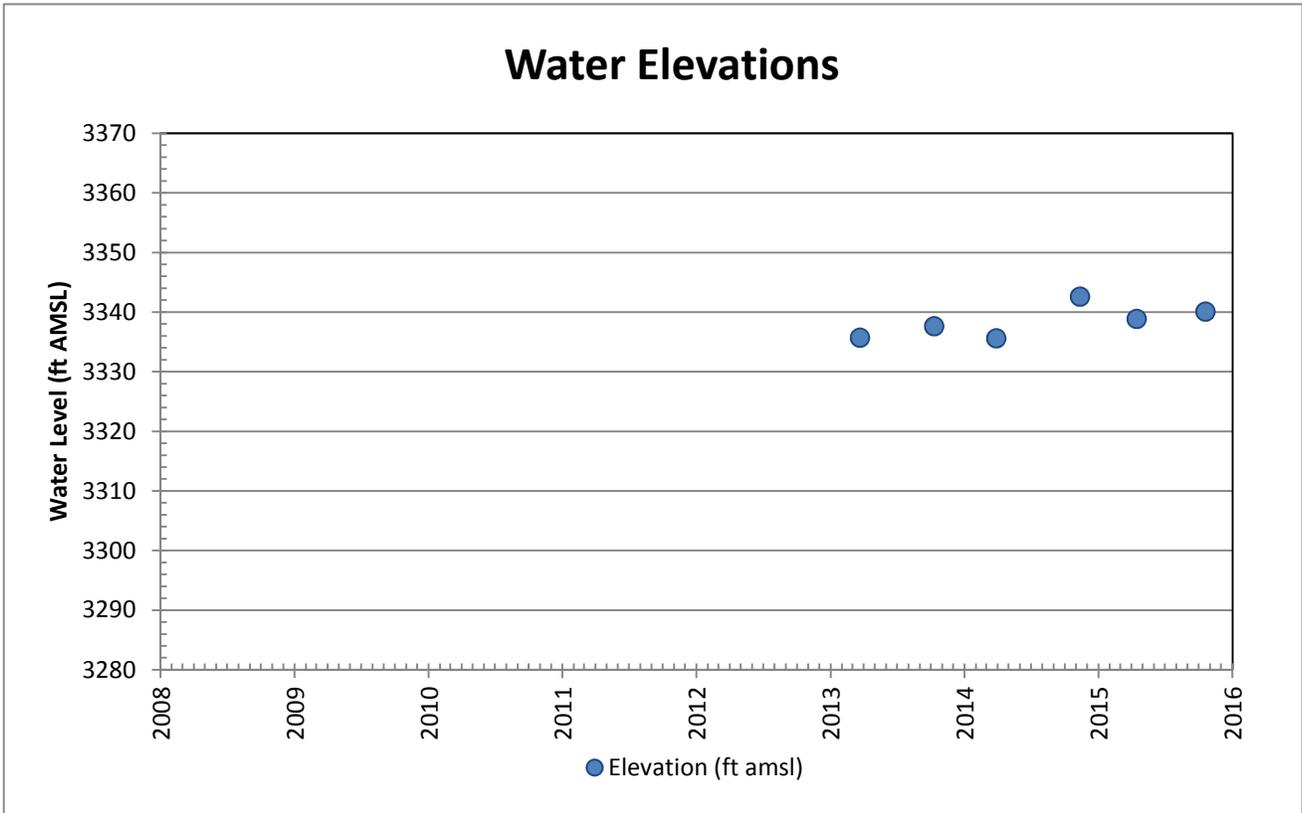
# MW-102



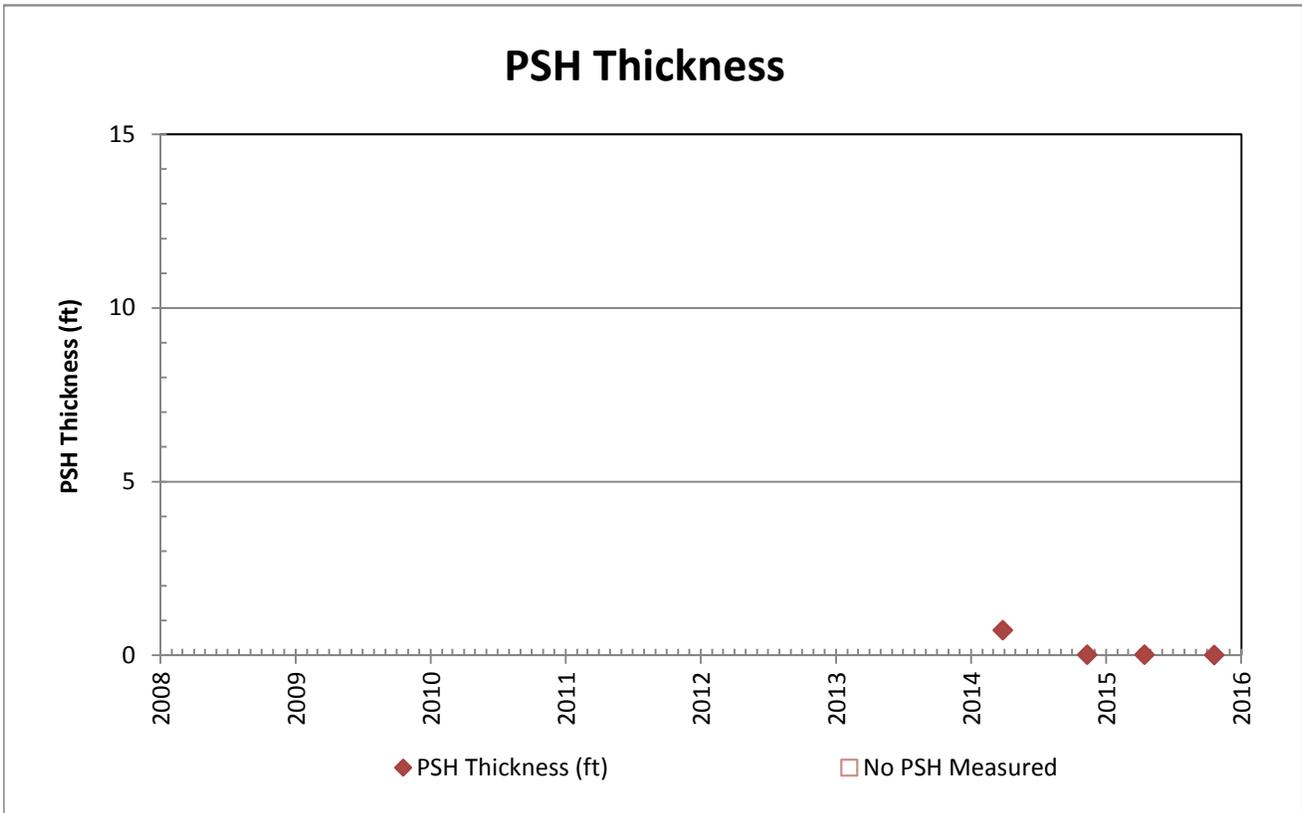
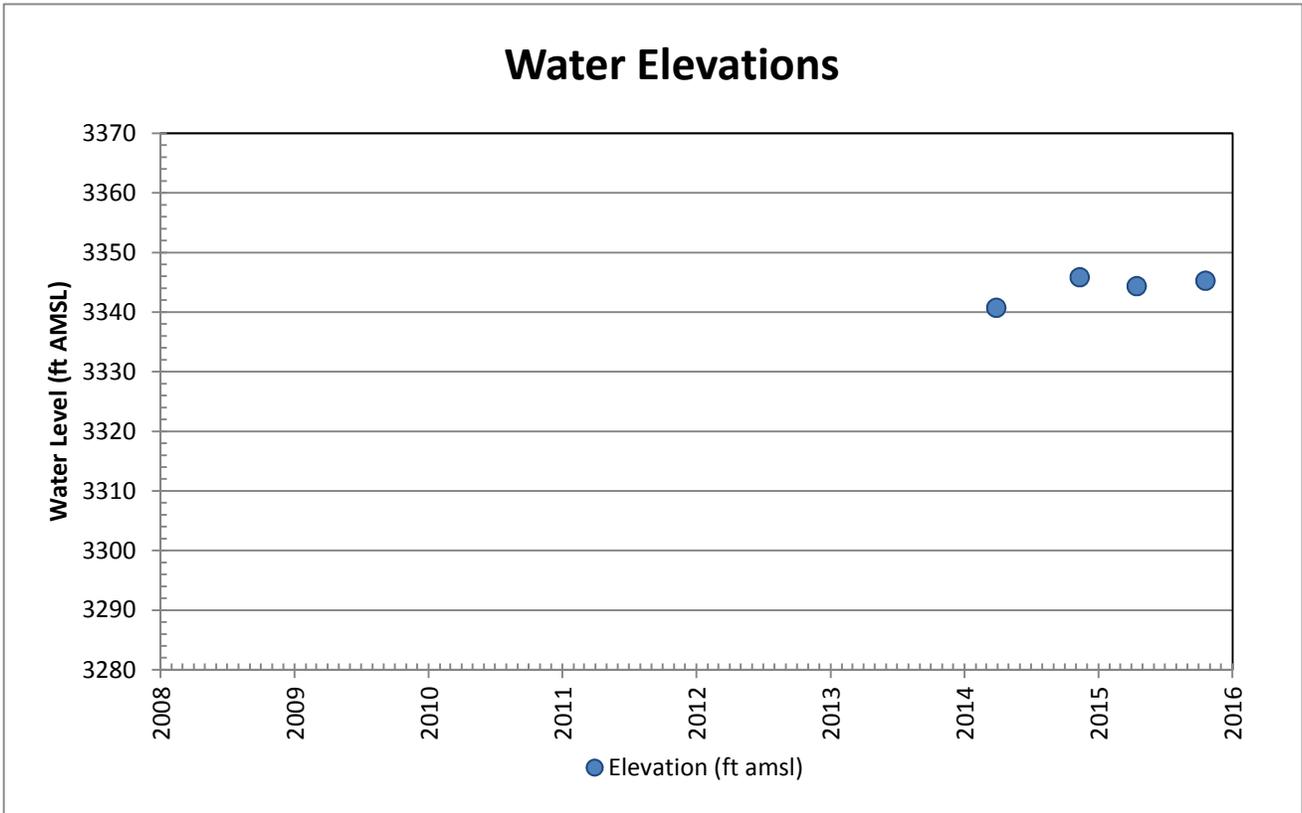
# MW-105



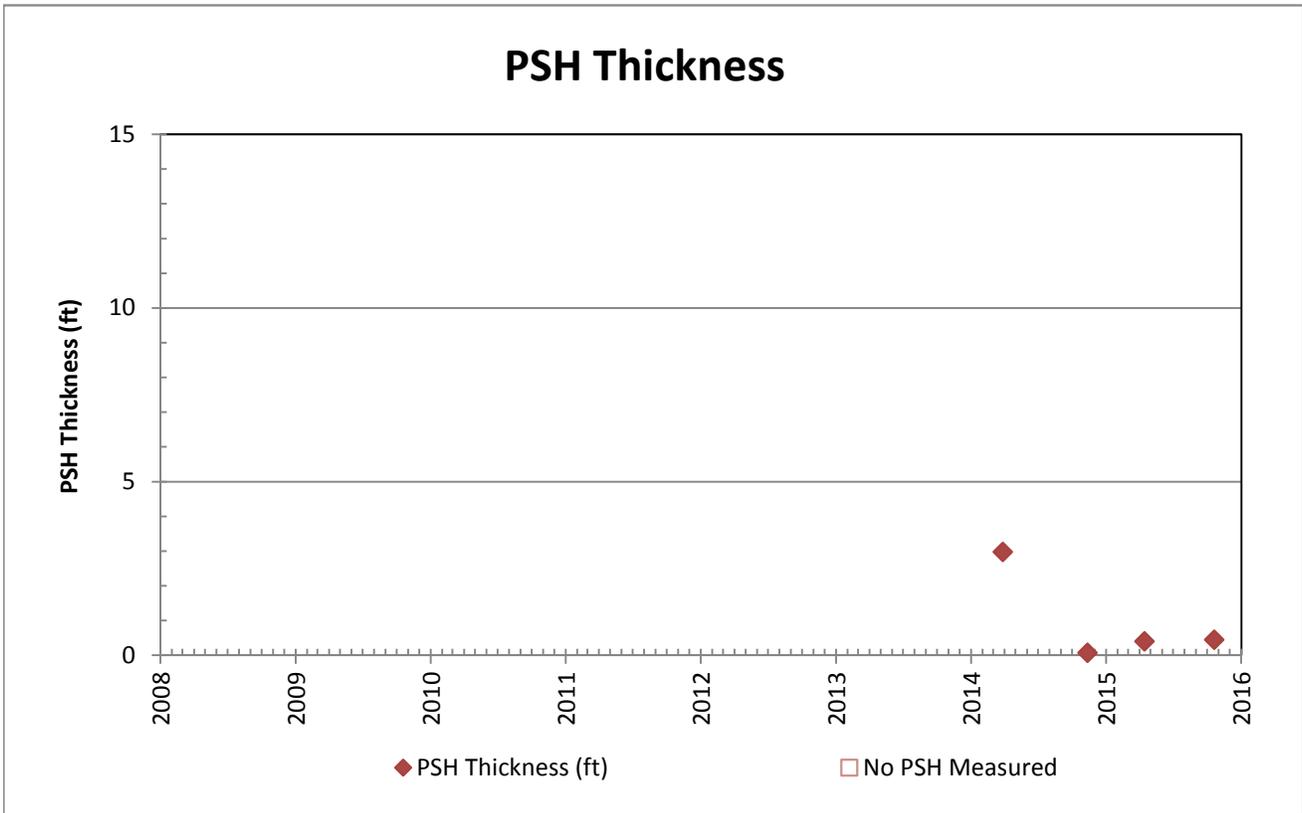
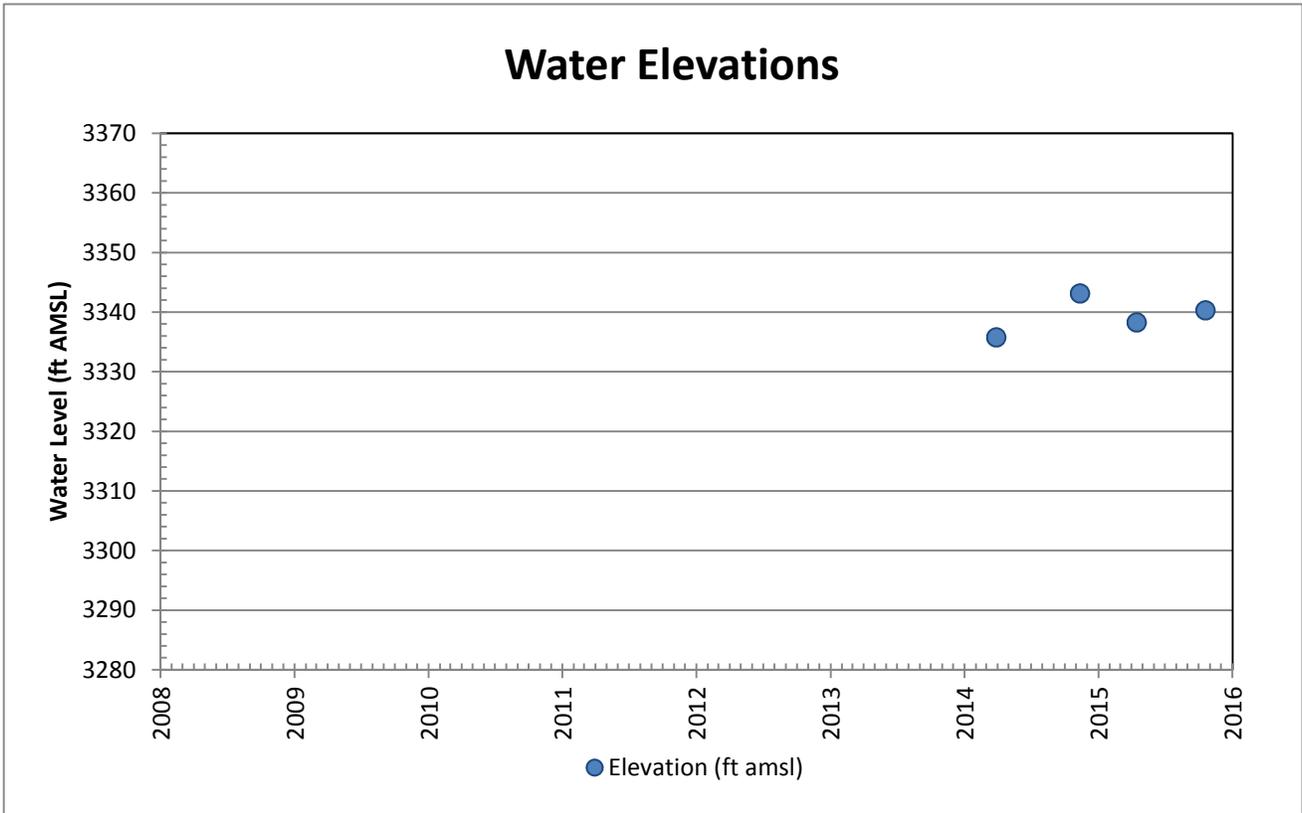
# MW-112



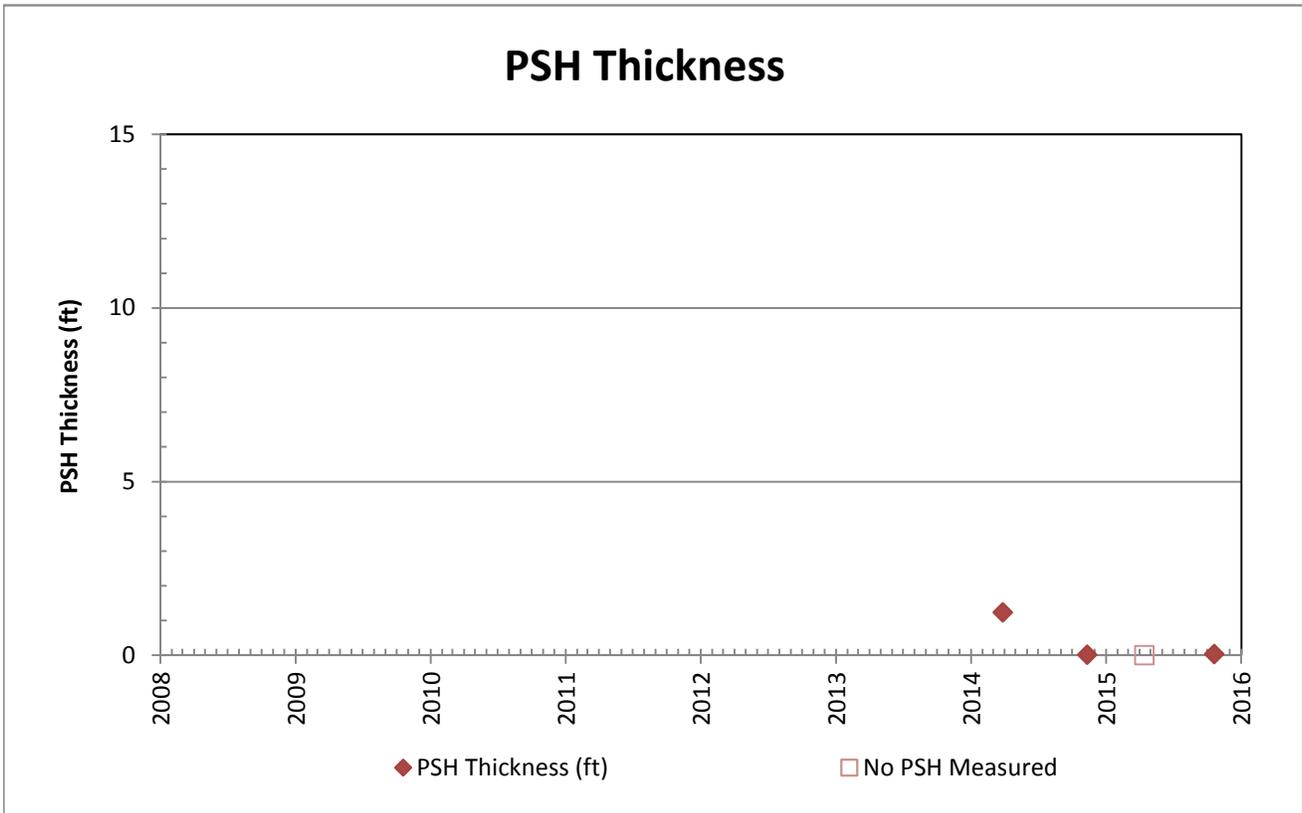
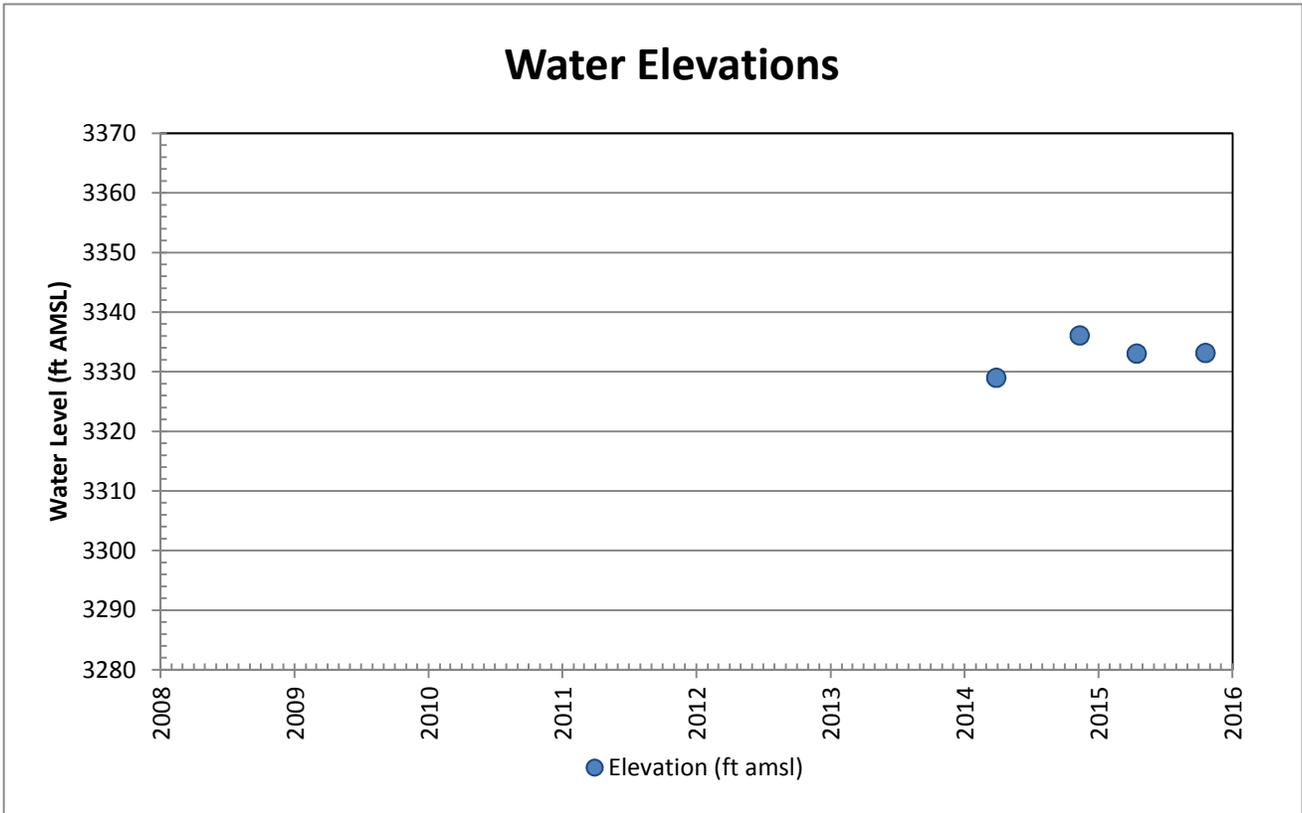
# MW-129



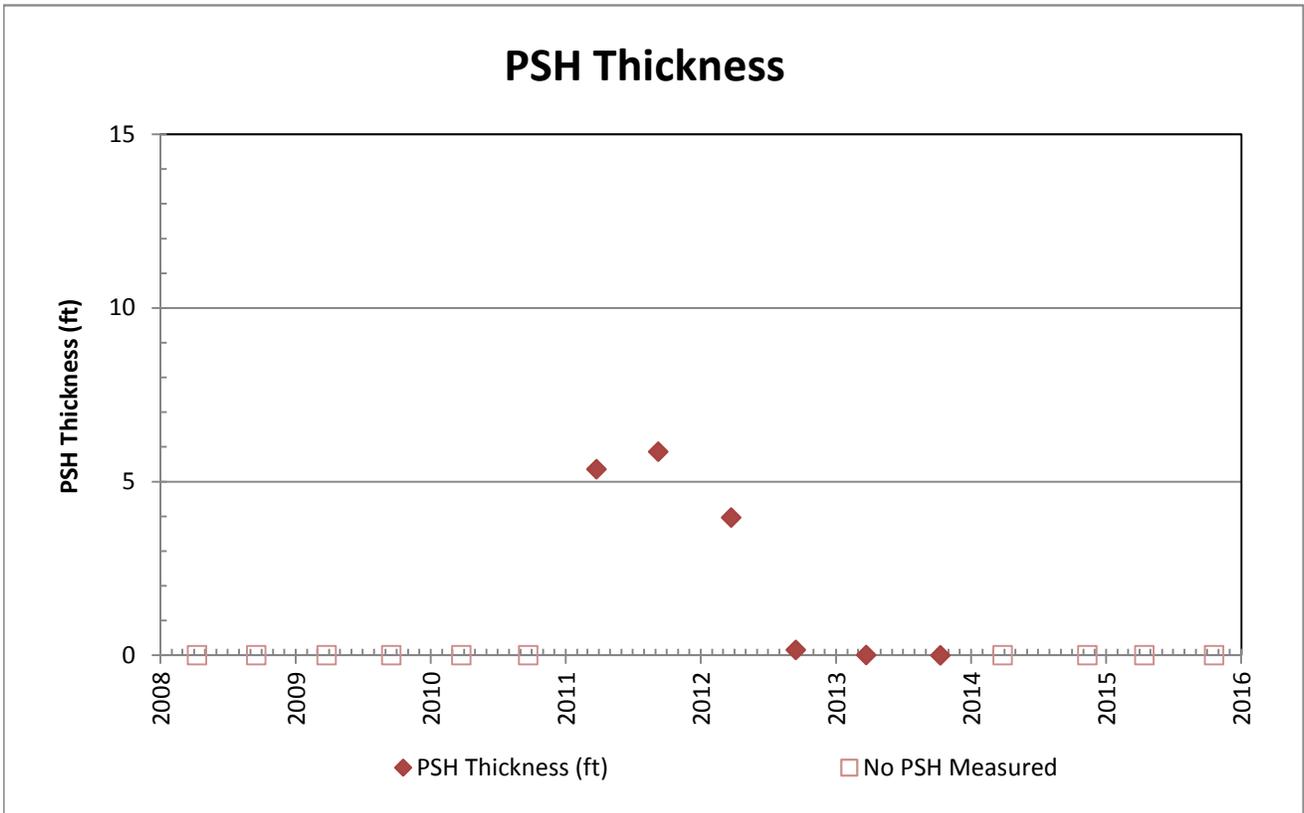
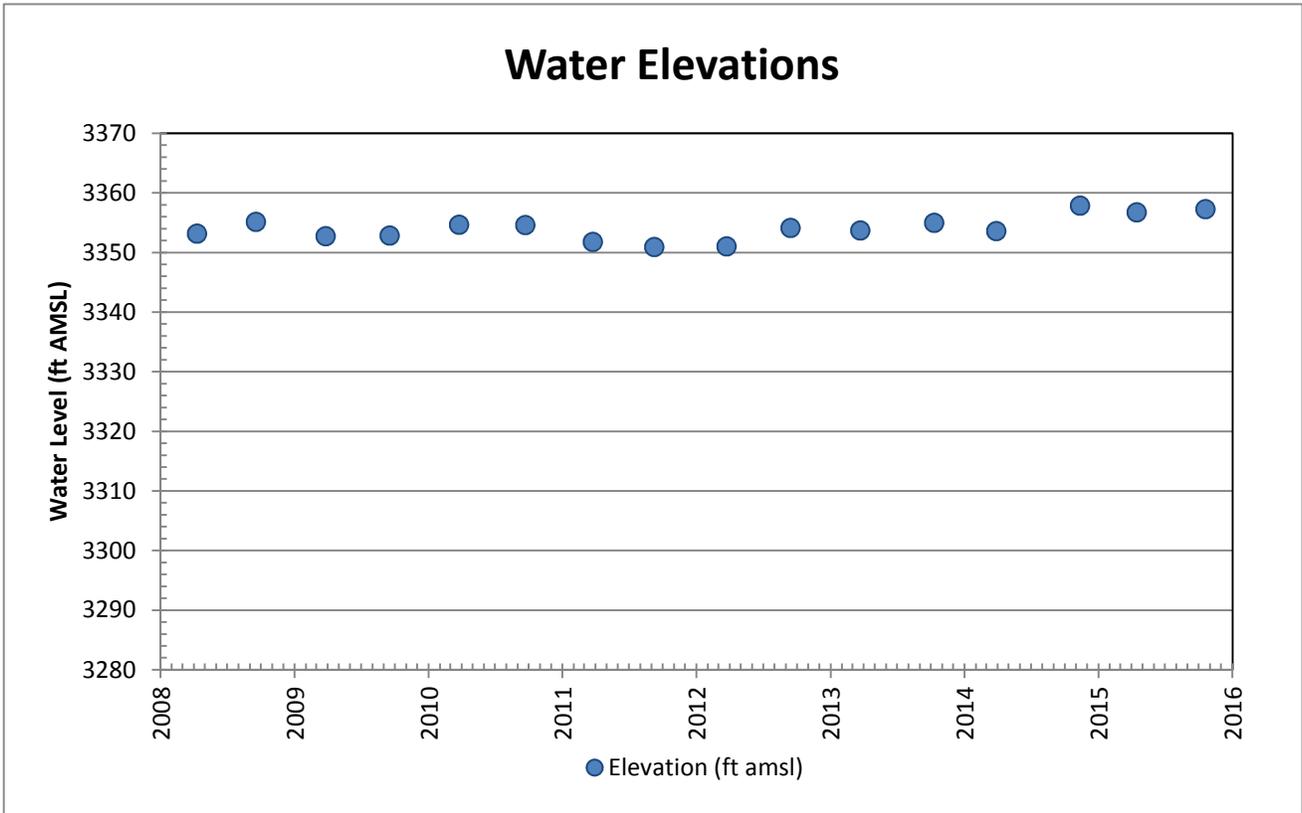
# MW-132



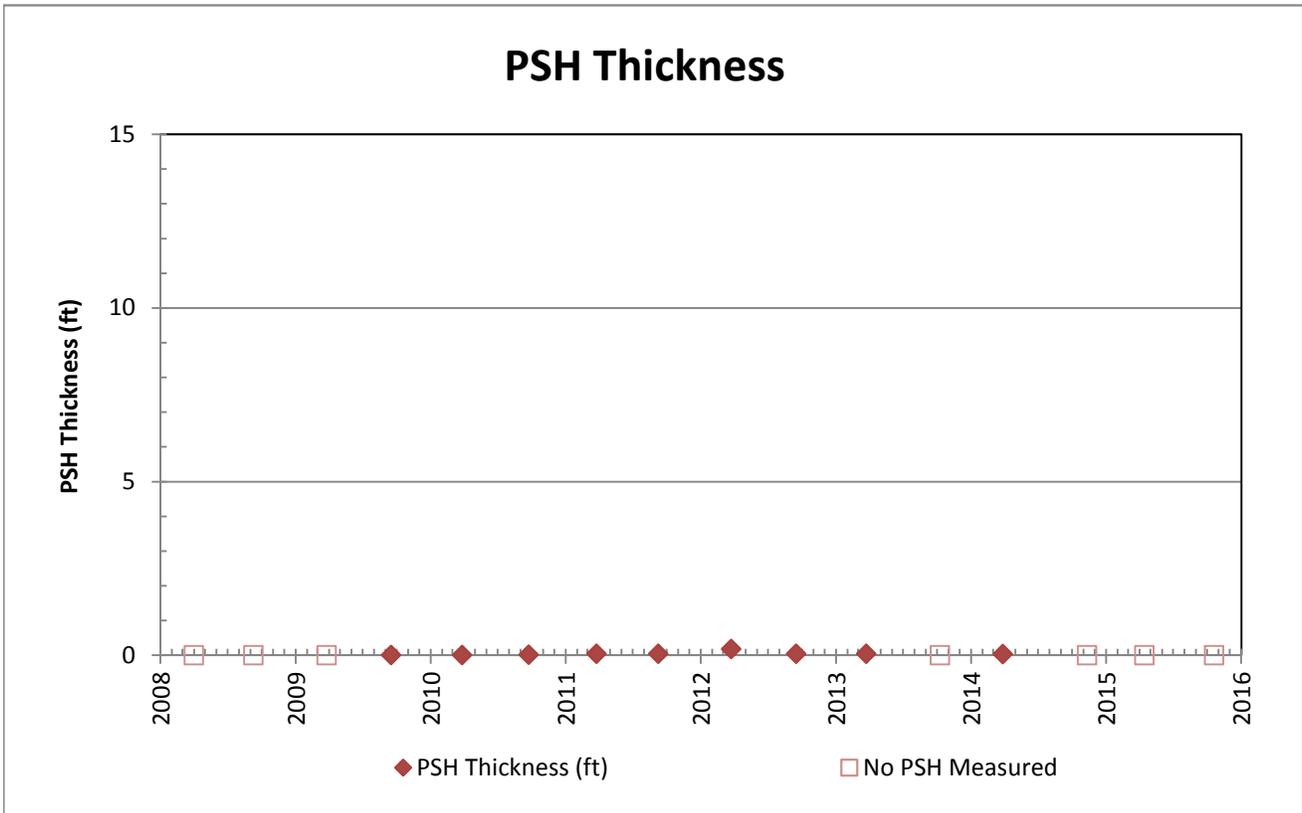
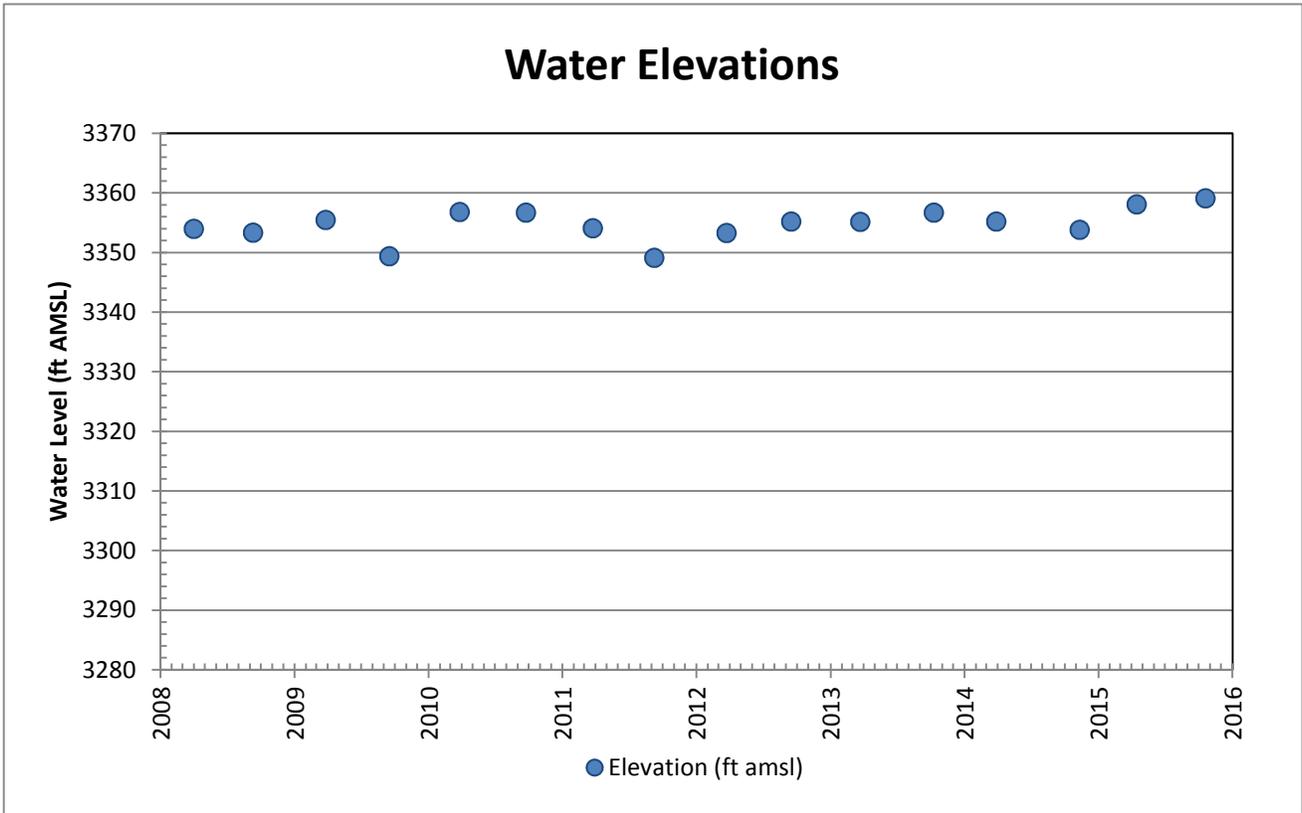
# MW-133



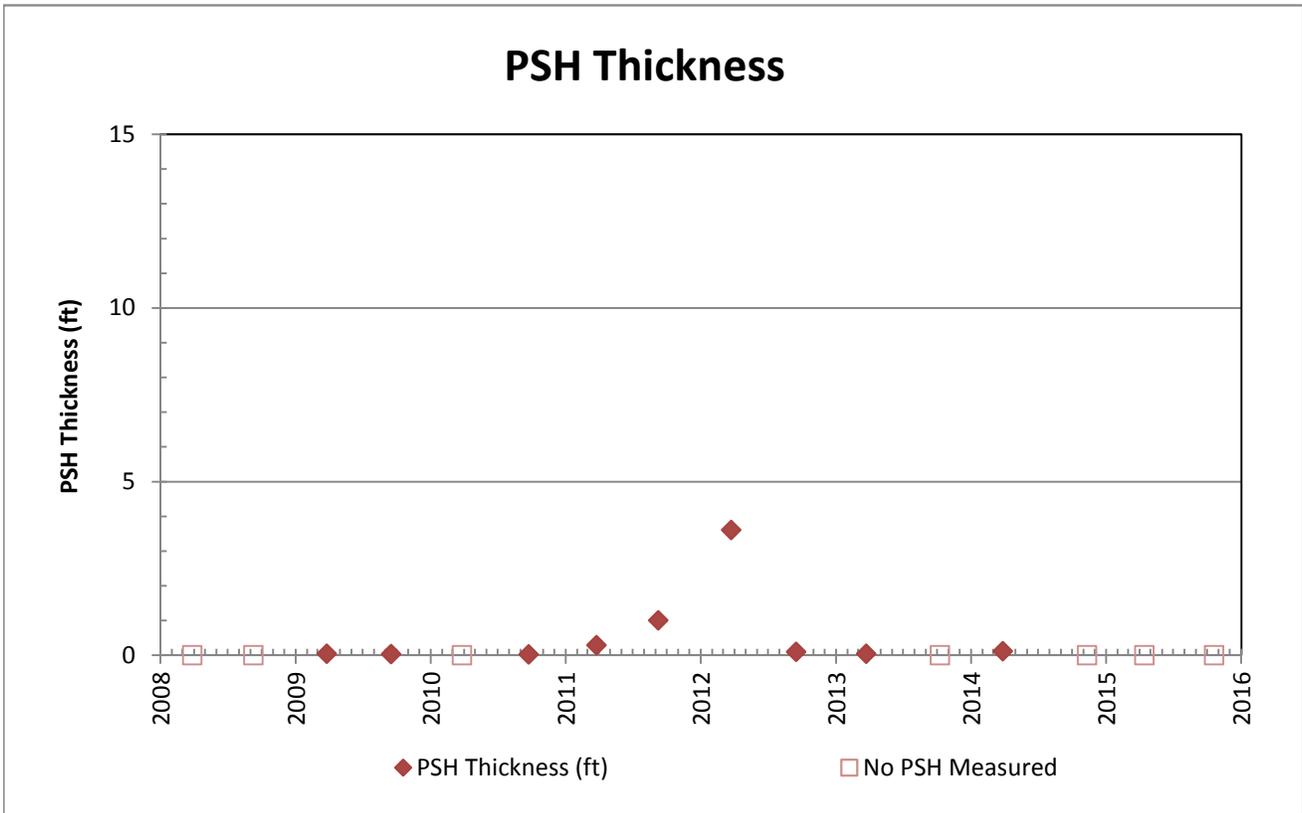
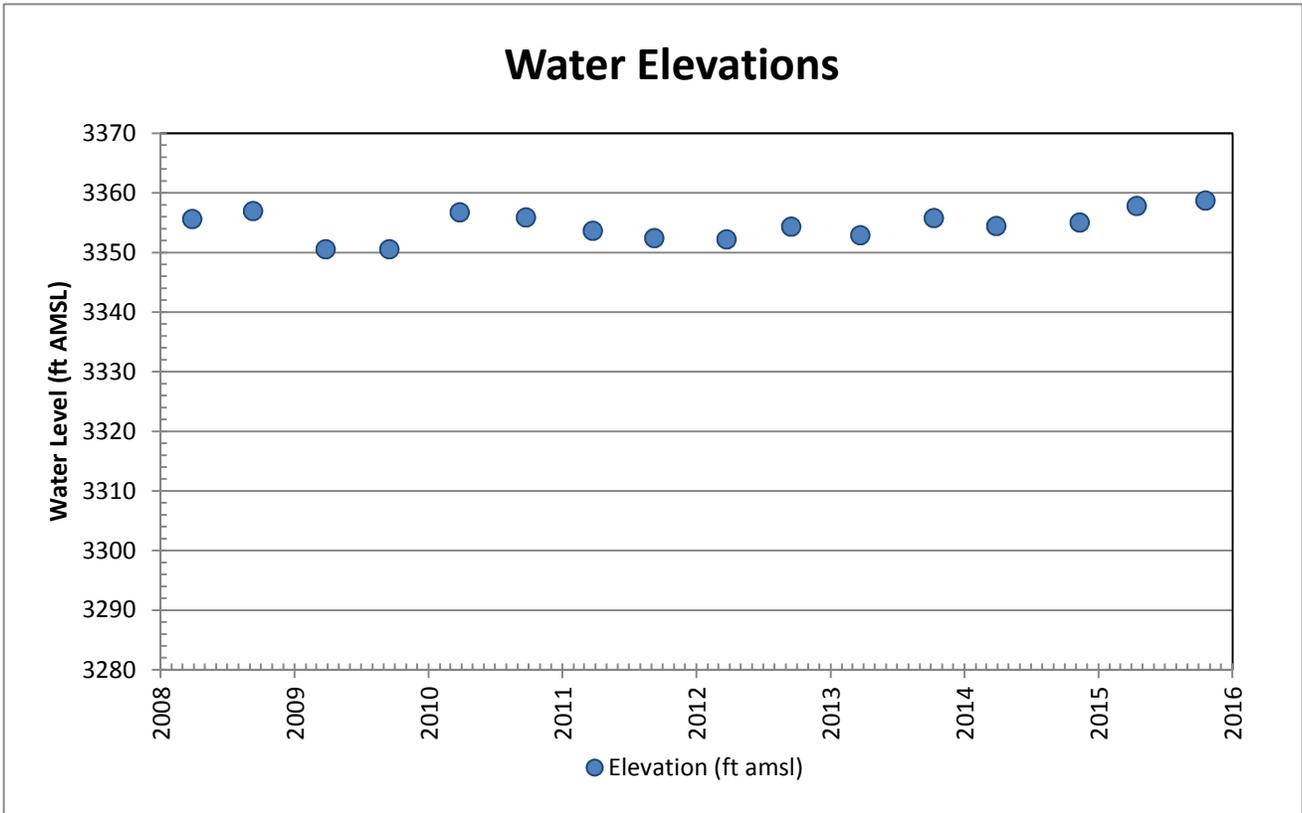
# NCL-34



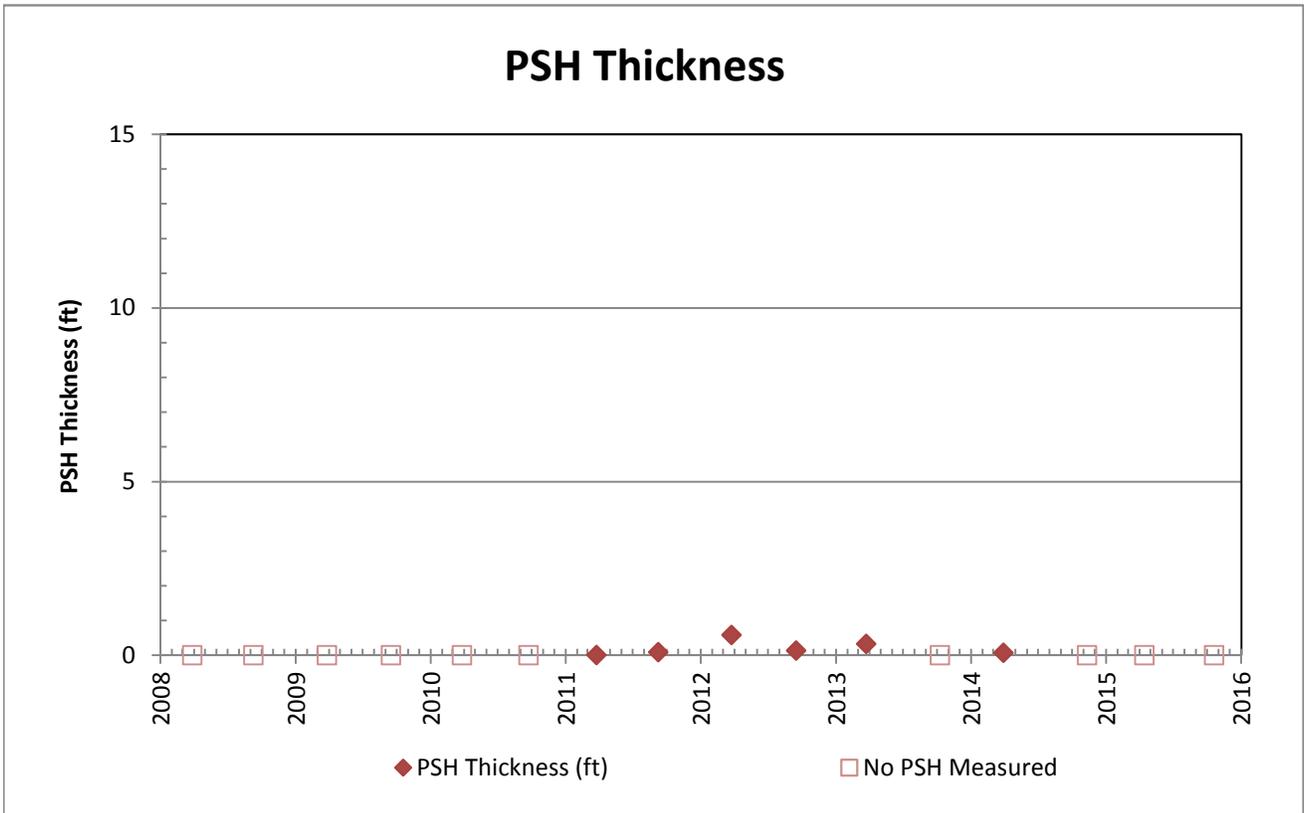
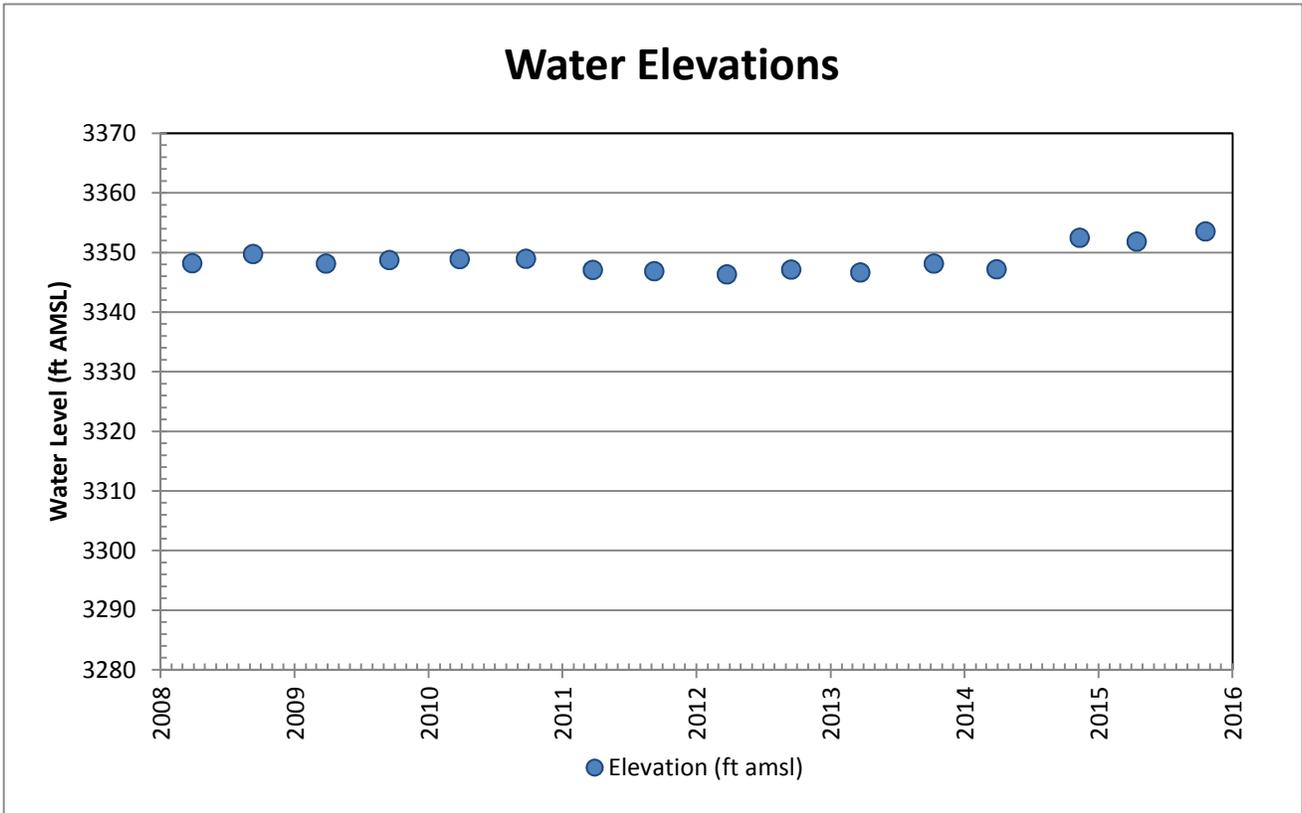
# RW-1 & RW-1R



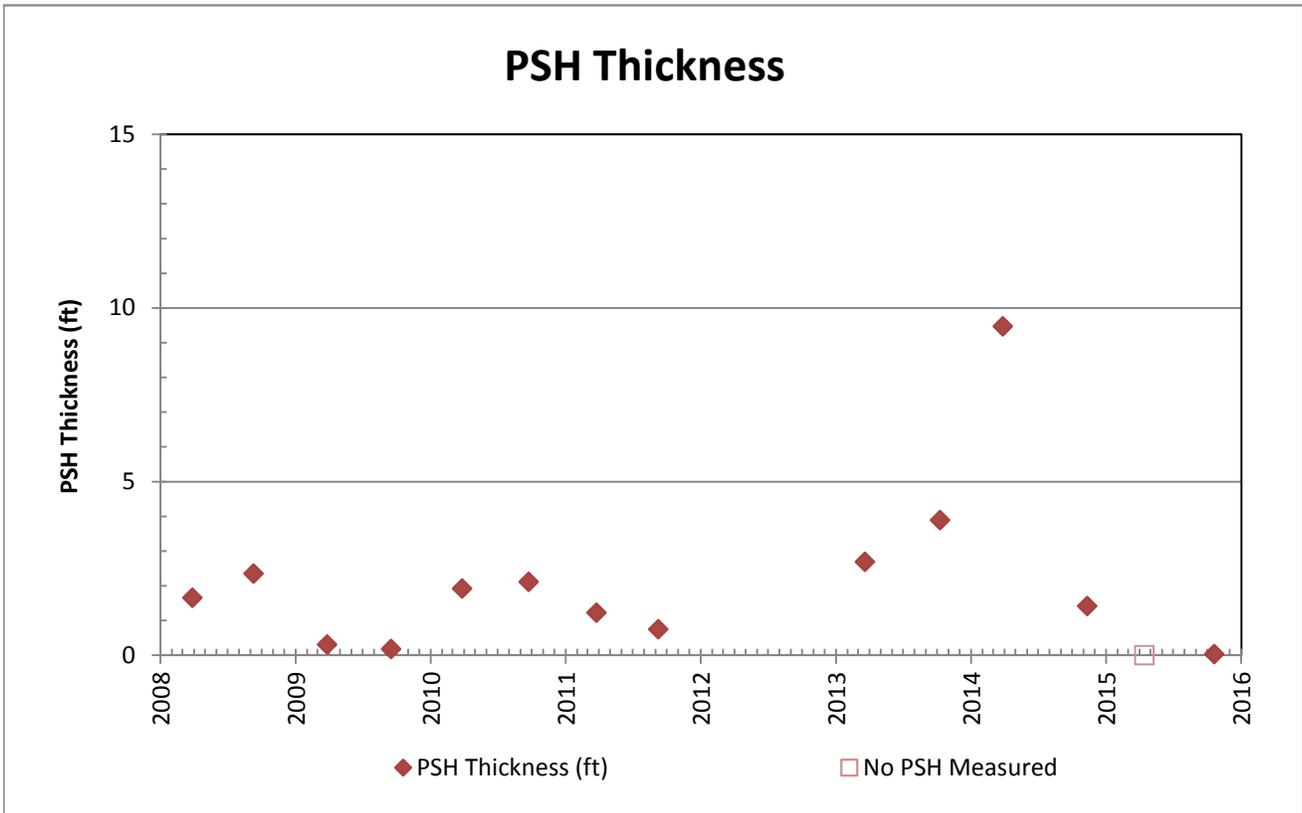
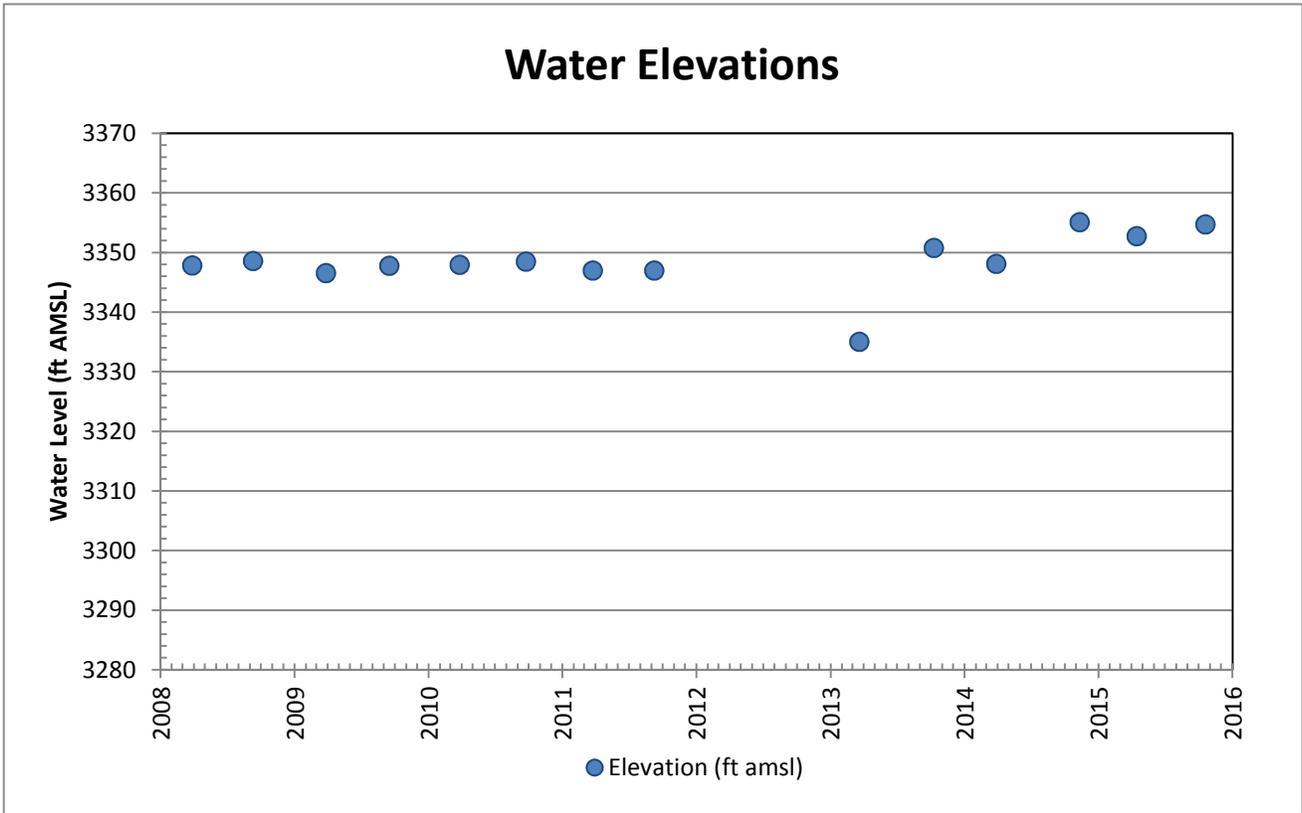
# RW-2 & RW-2R



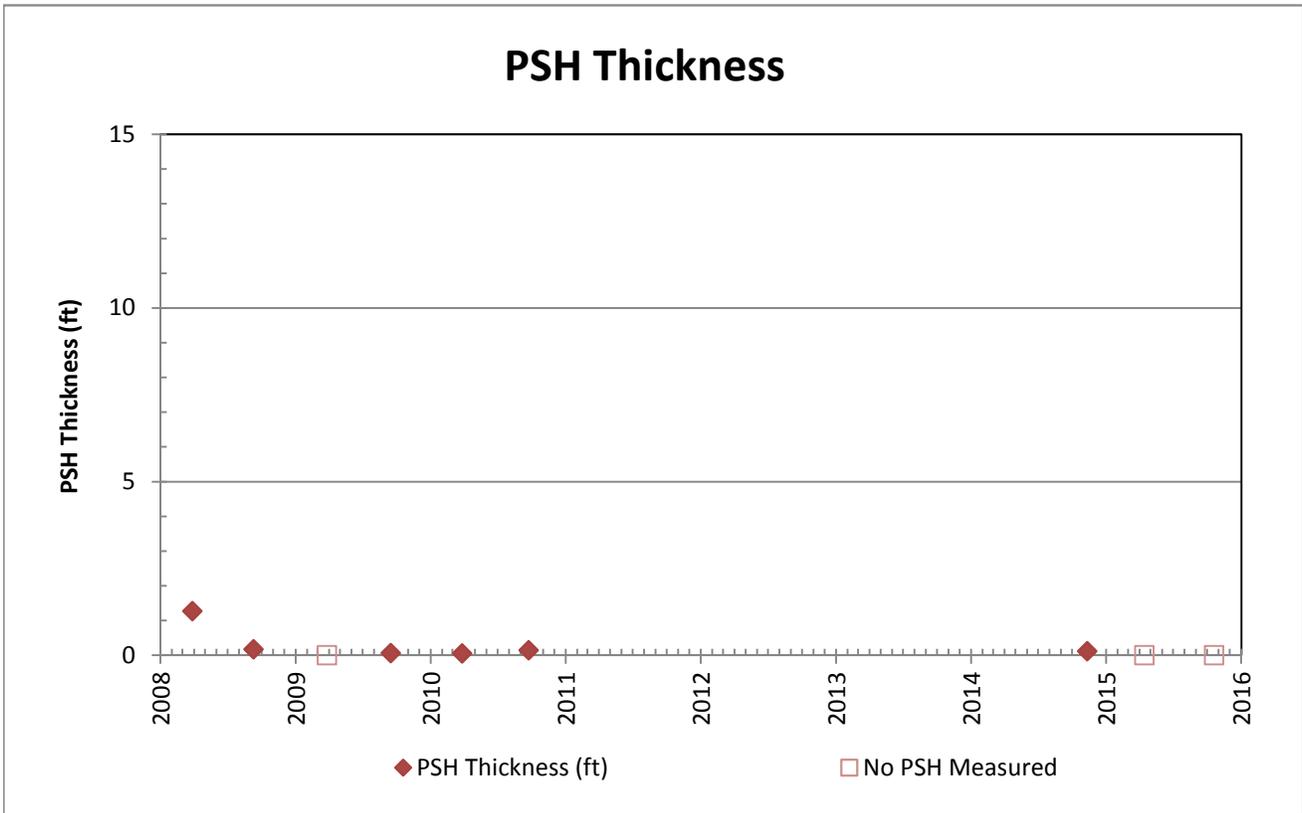
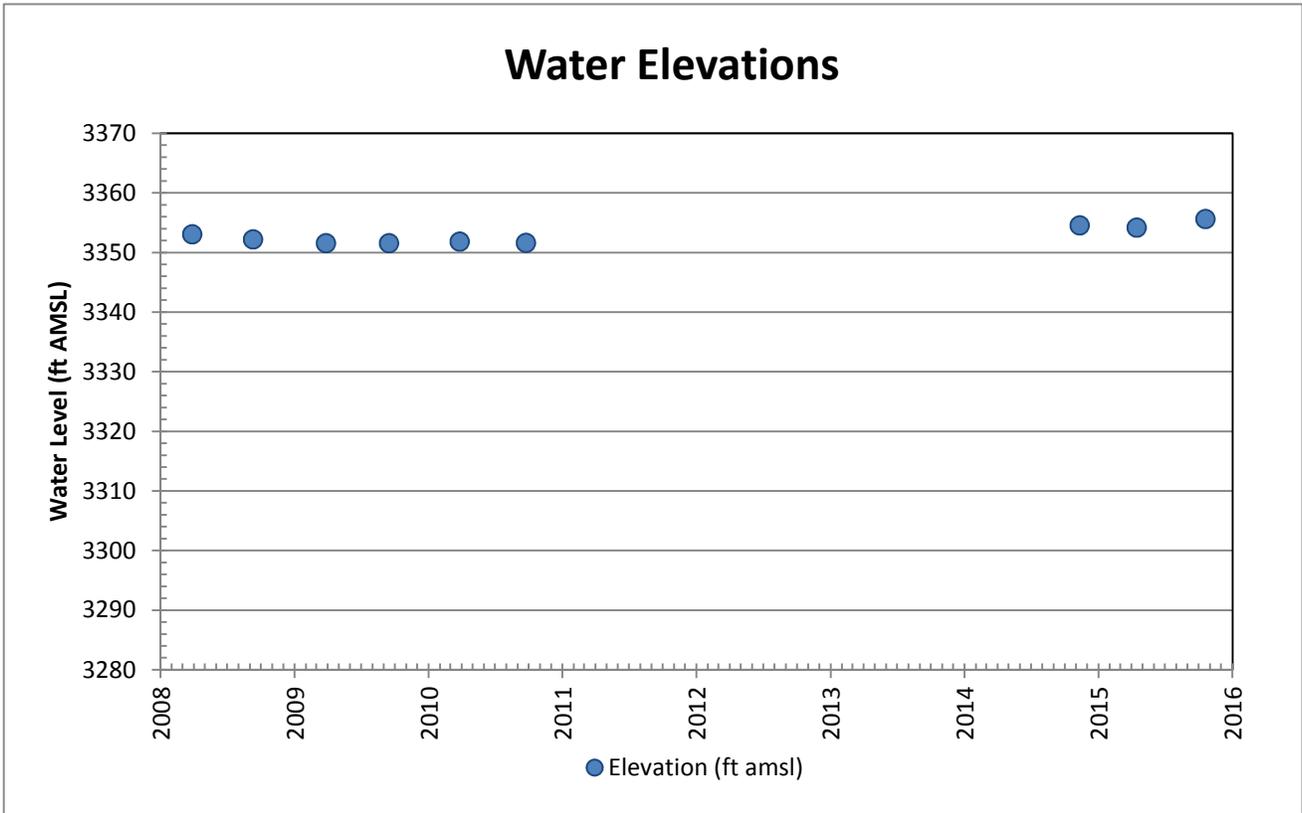
# RW-4 & RW-4R



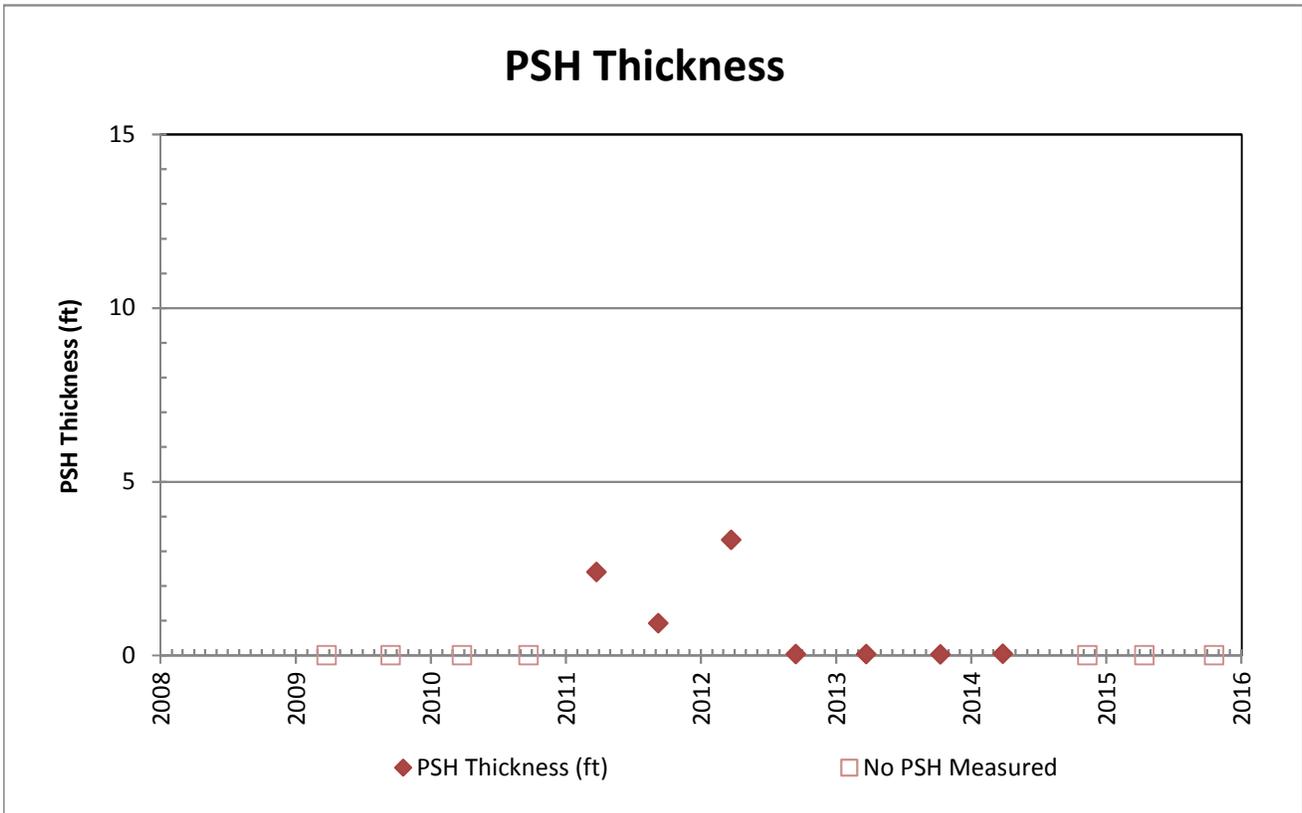
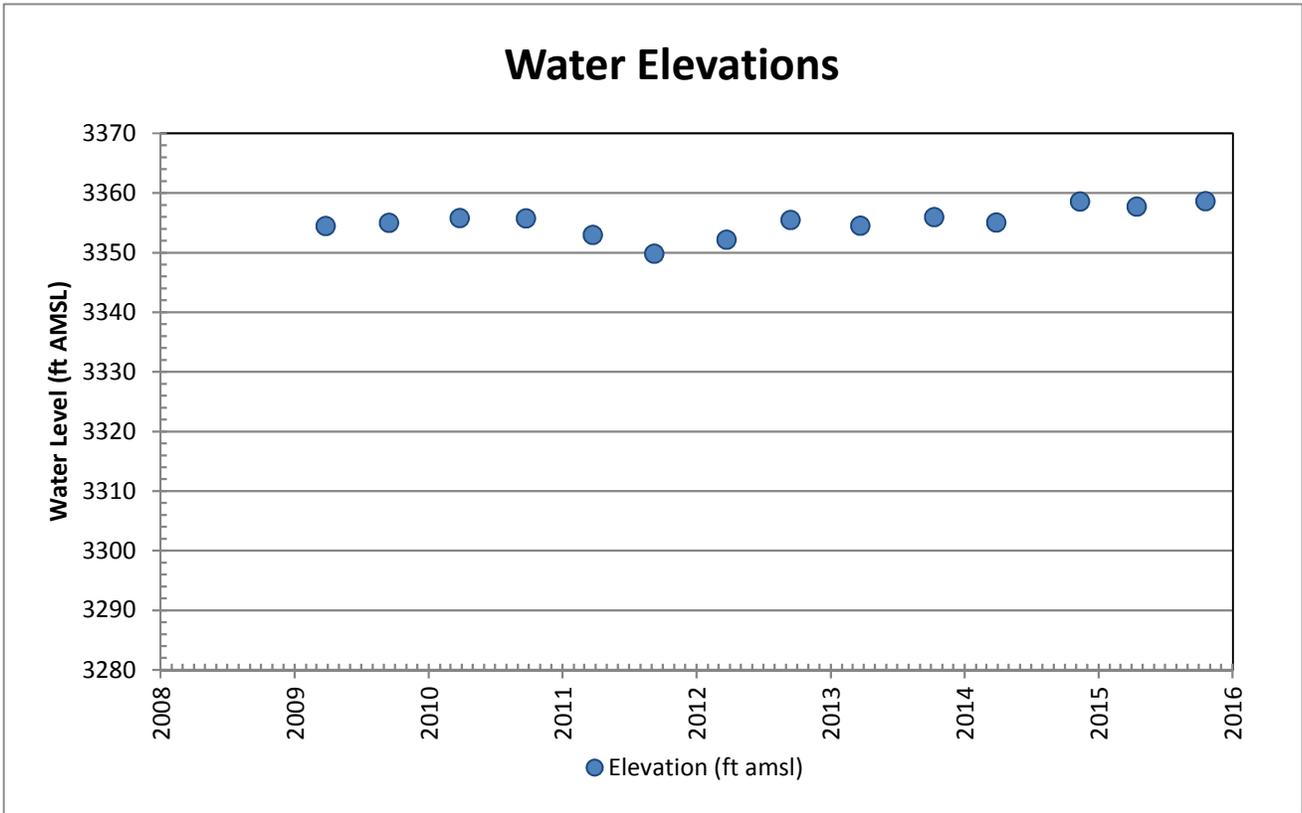
# RW-5 & RW-5R



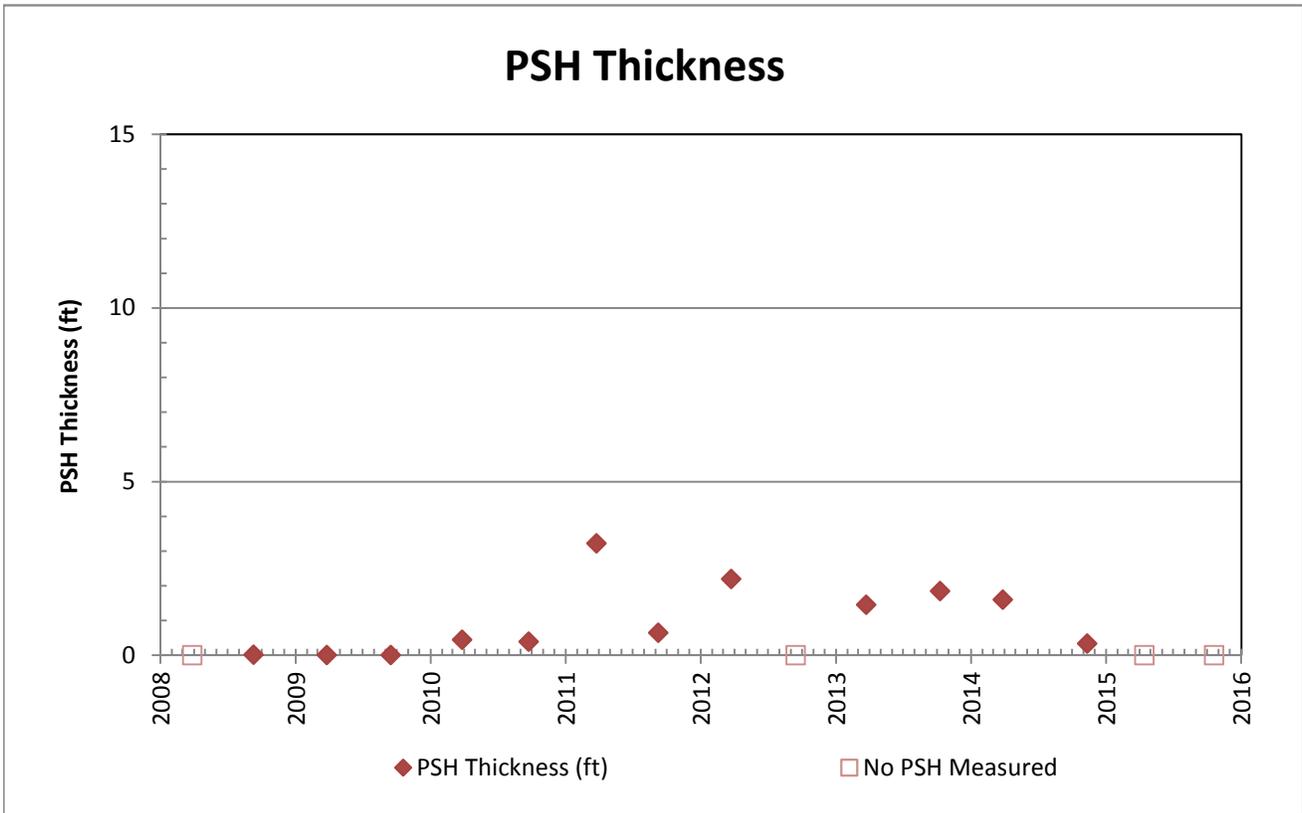
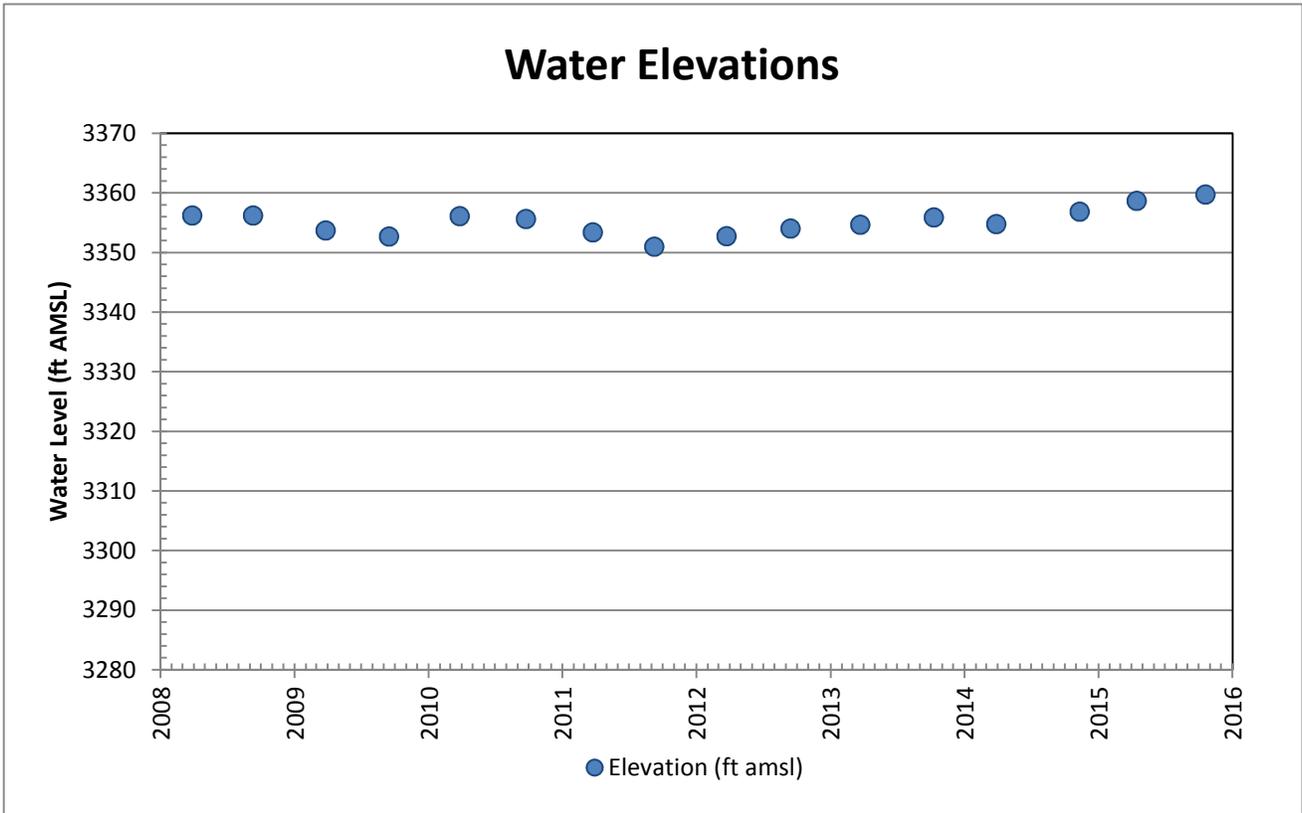
# RW-6 & RW-6R



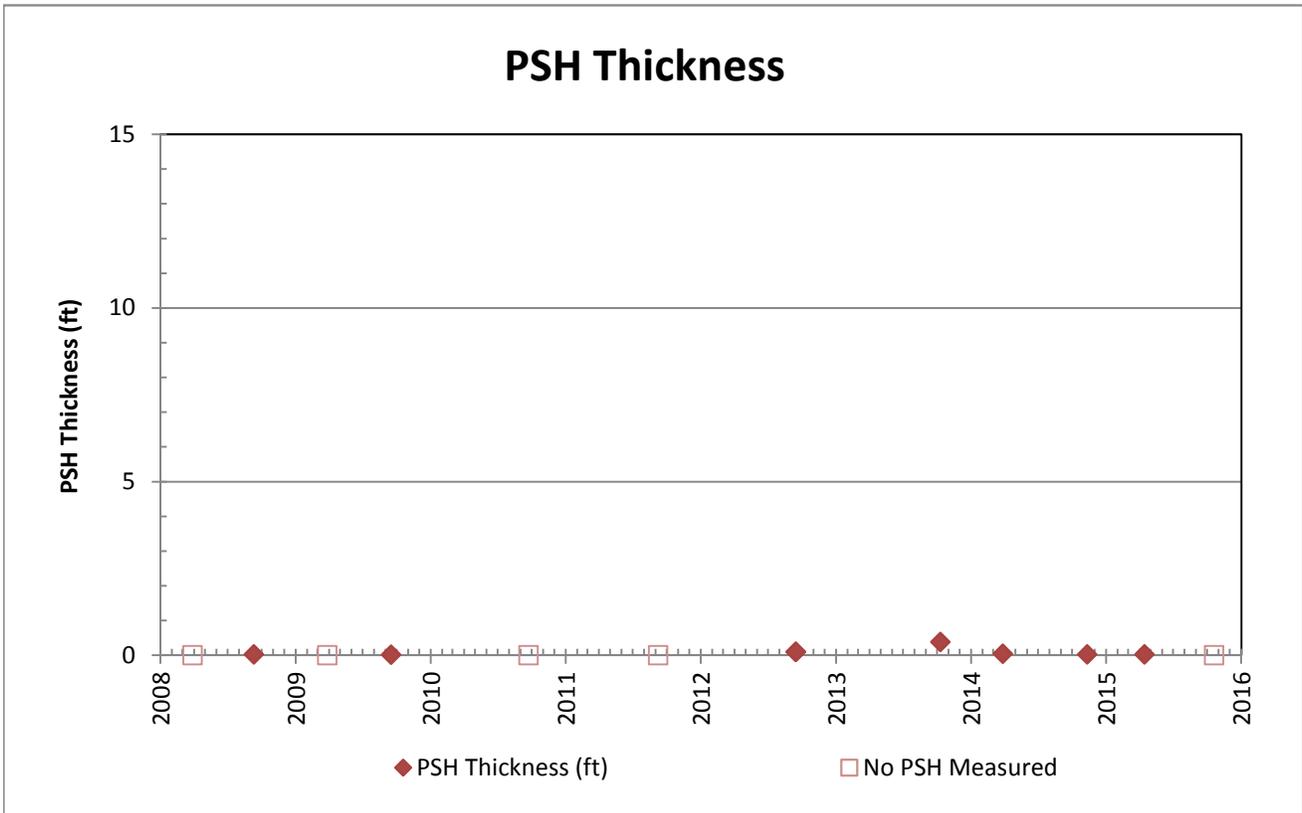
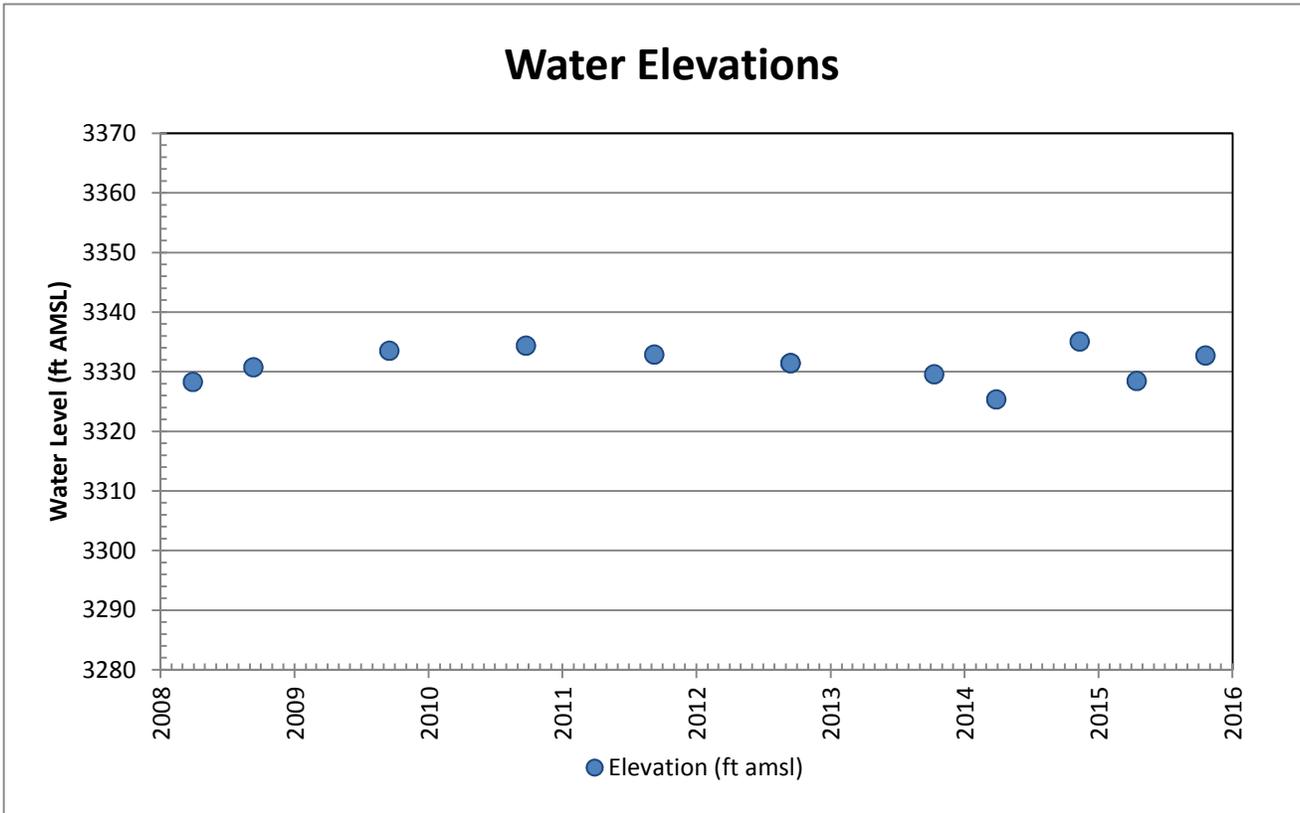
# RW-7



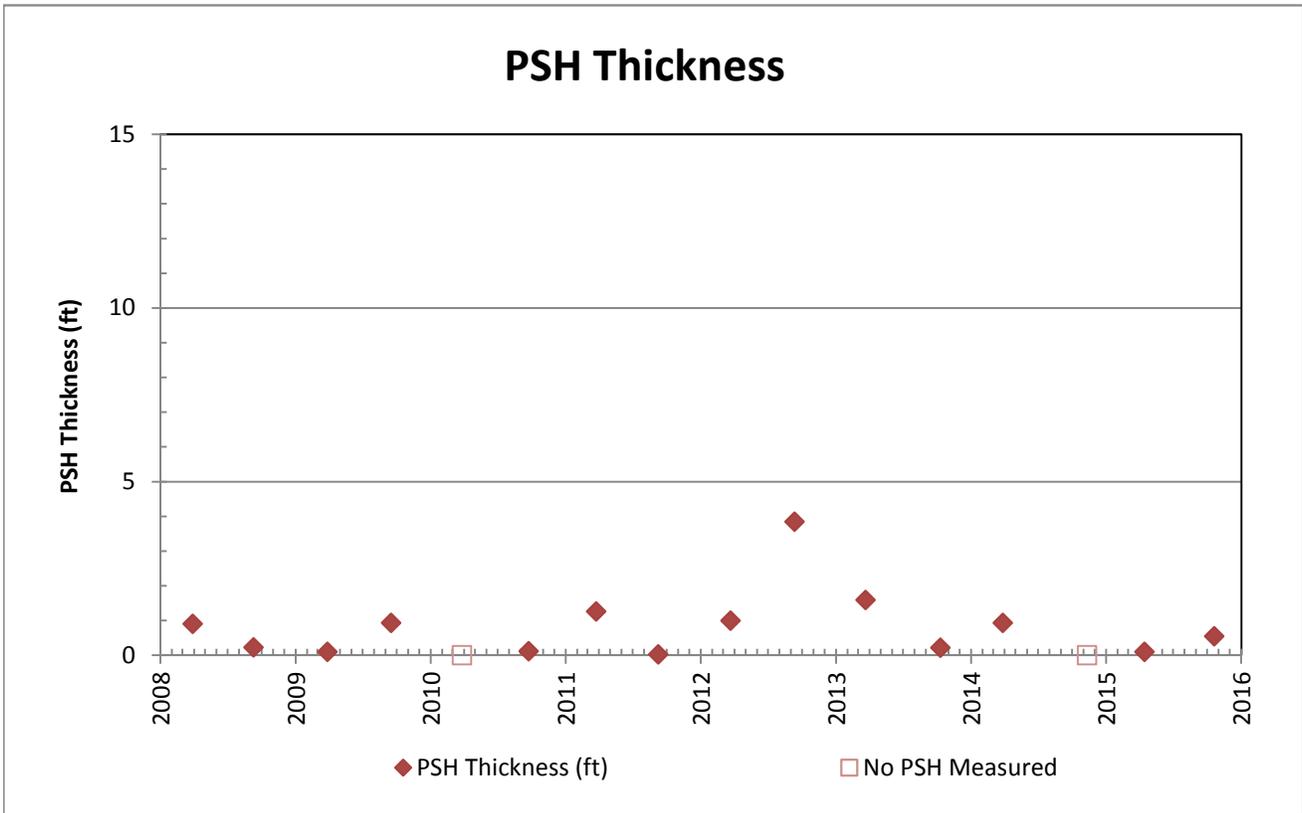
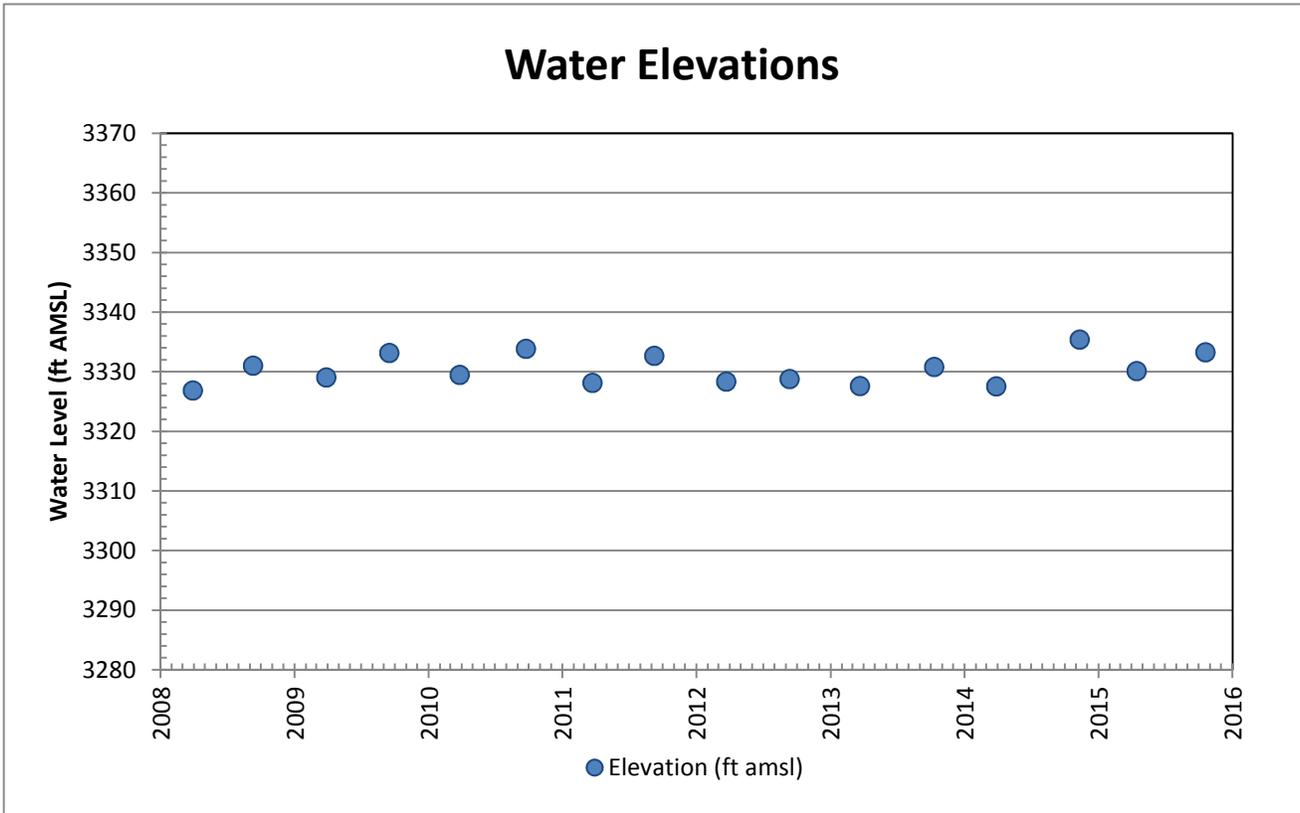
# RW-8 & RW-8R



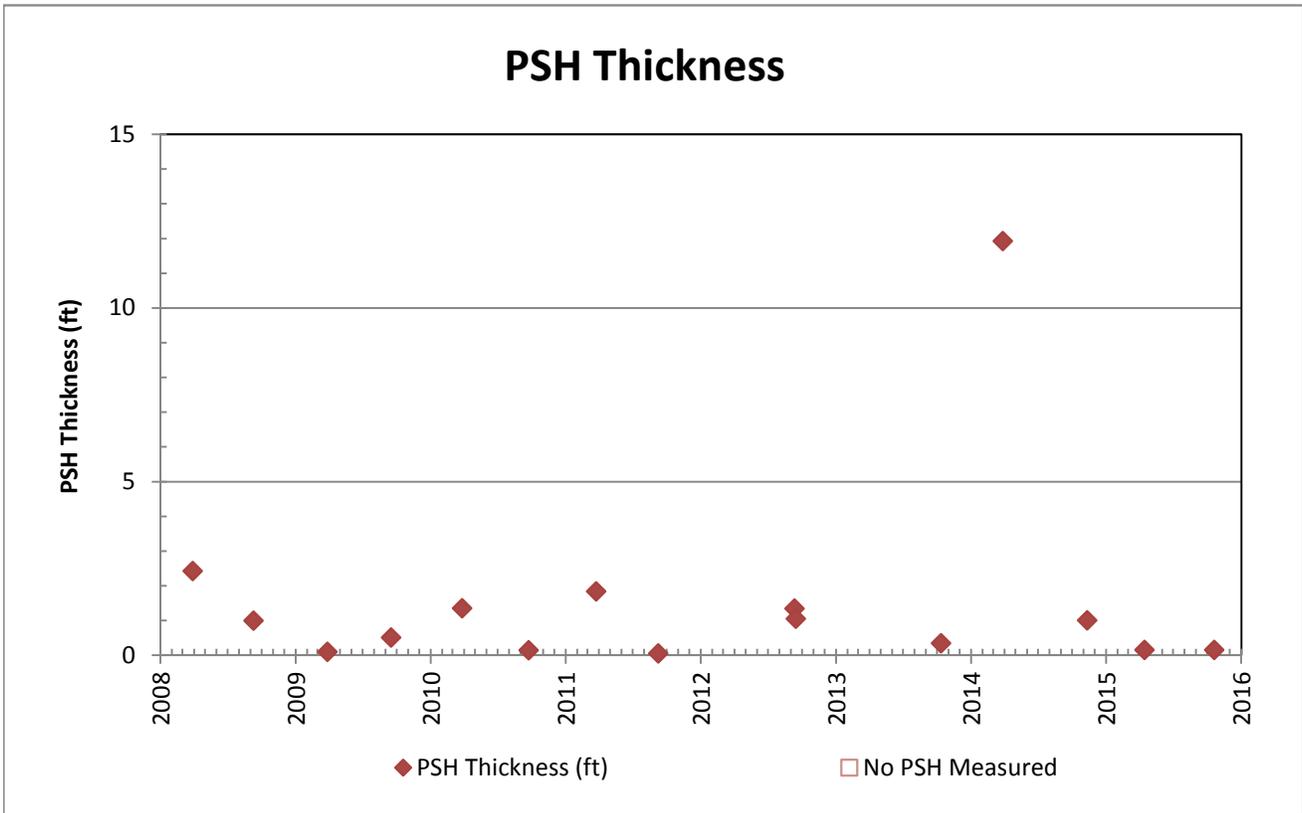
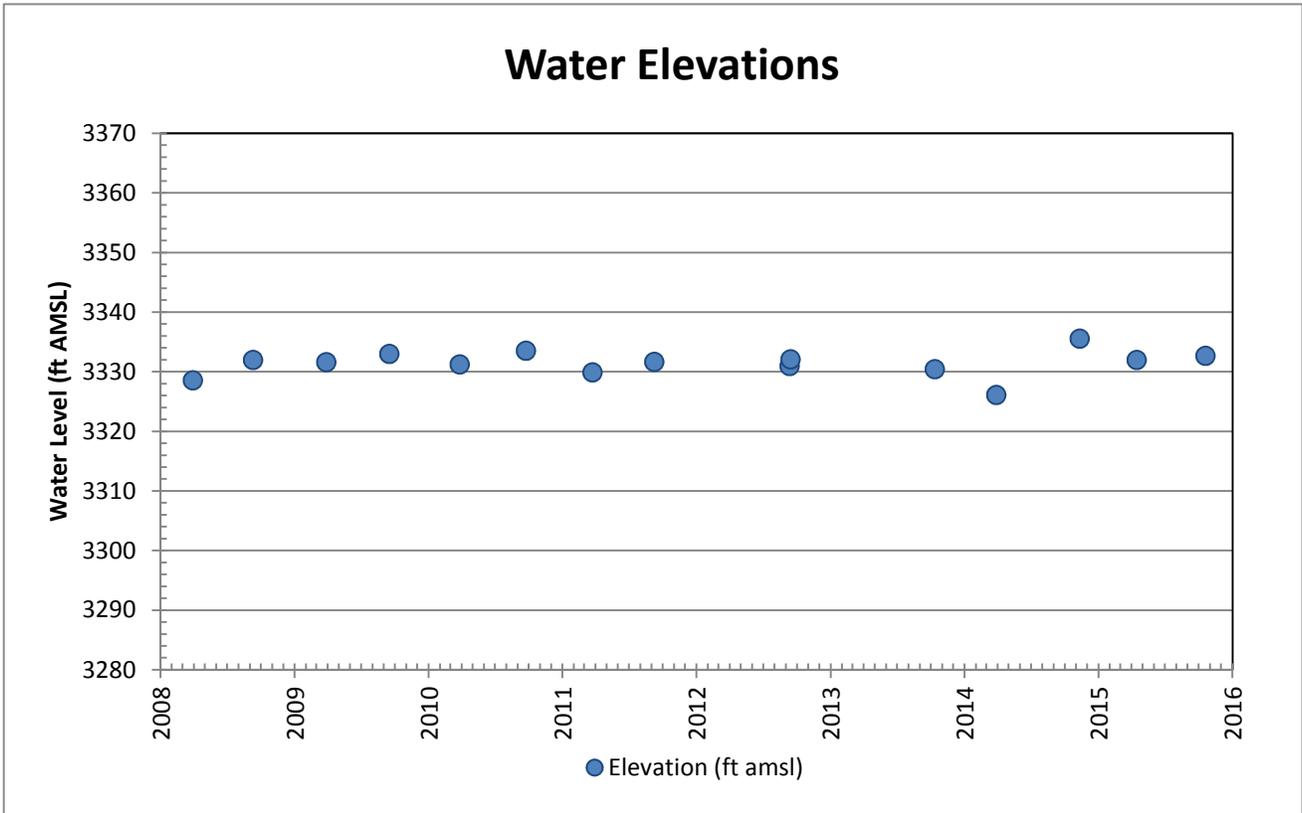
# RW-12 & RW-12R



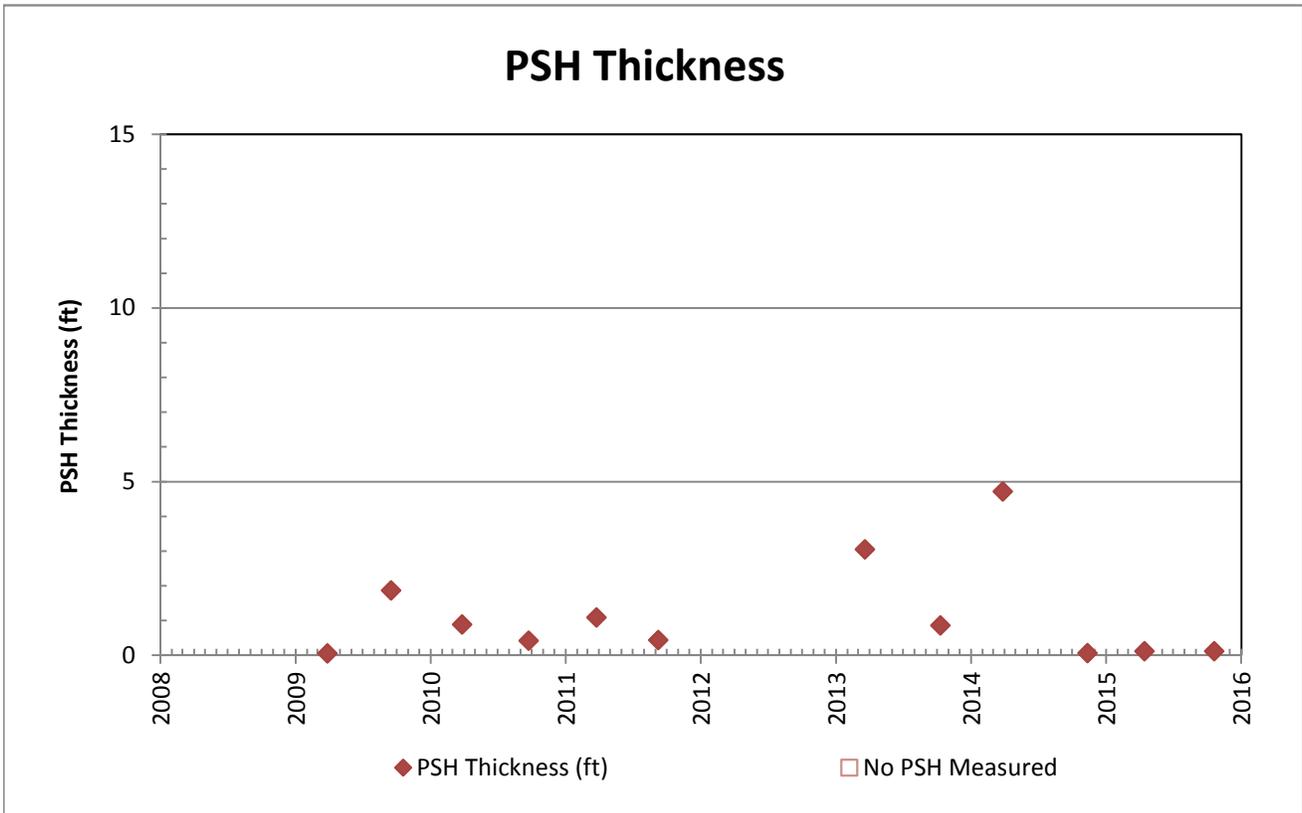
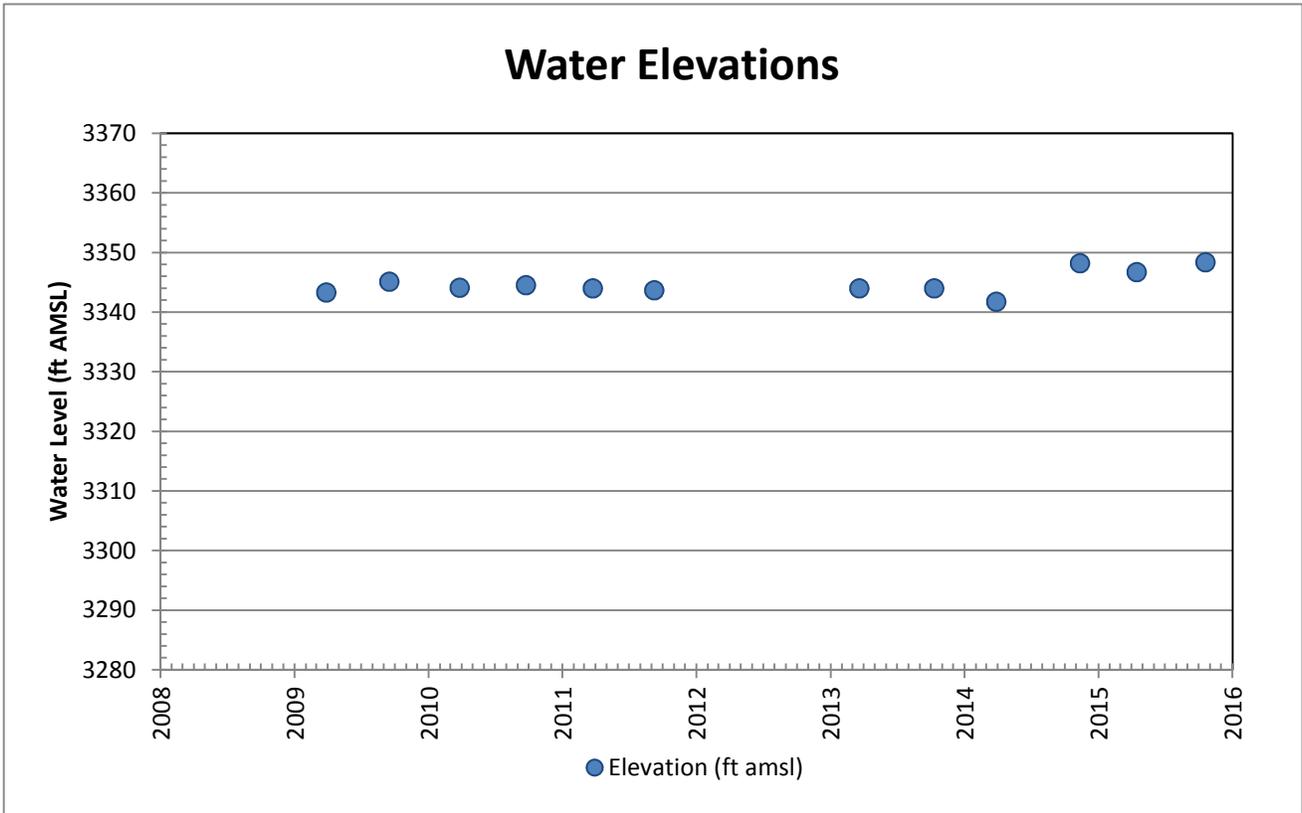
# RW-13 & RW-13R



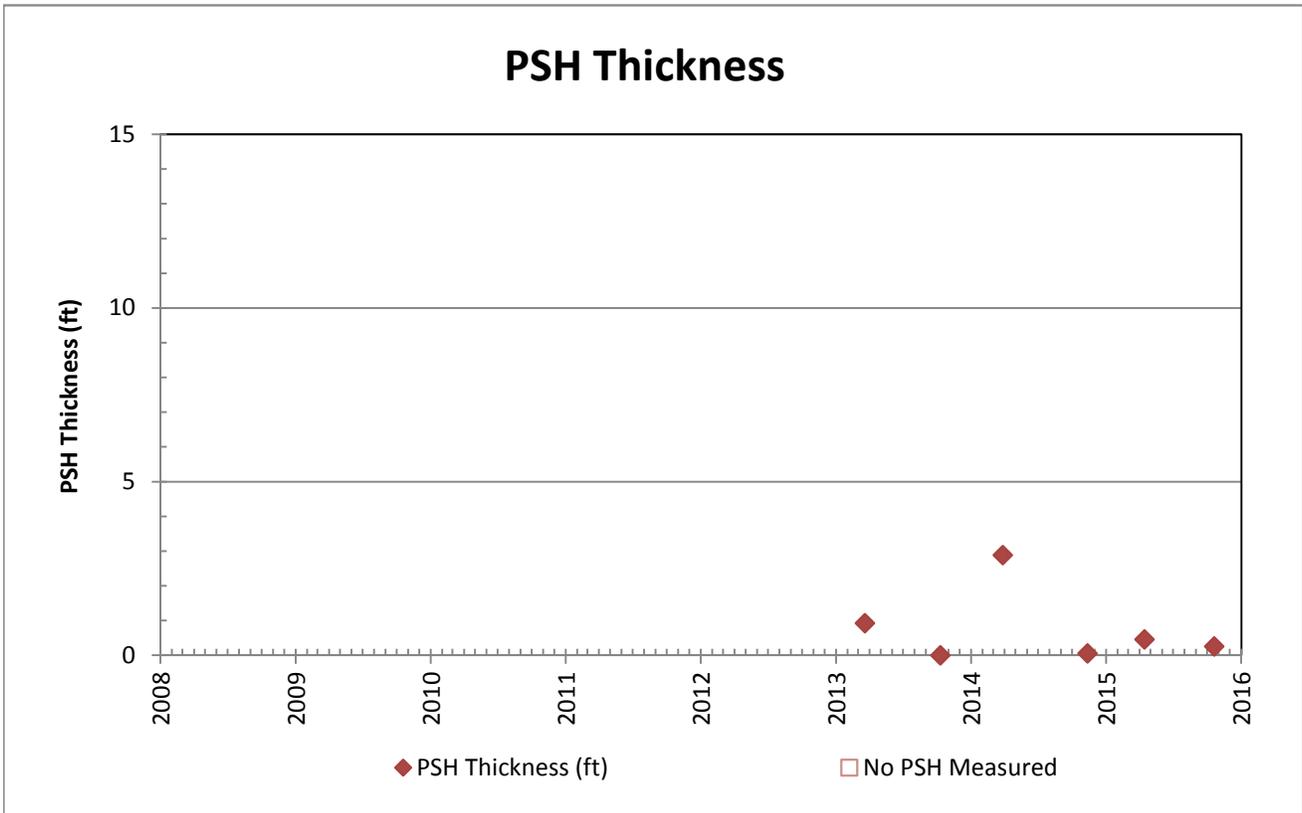
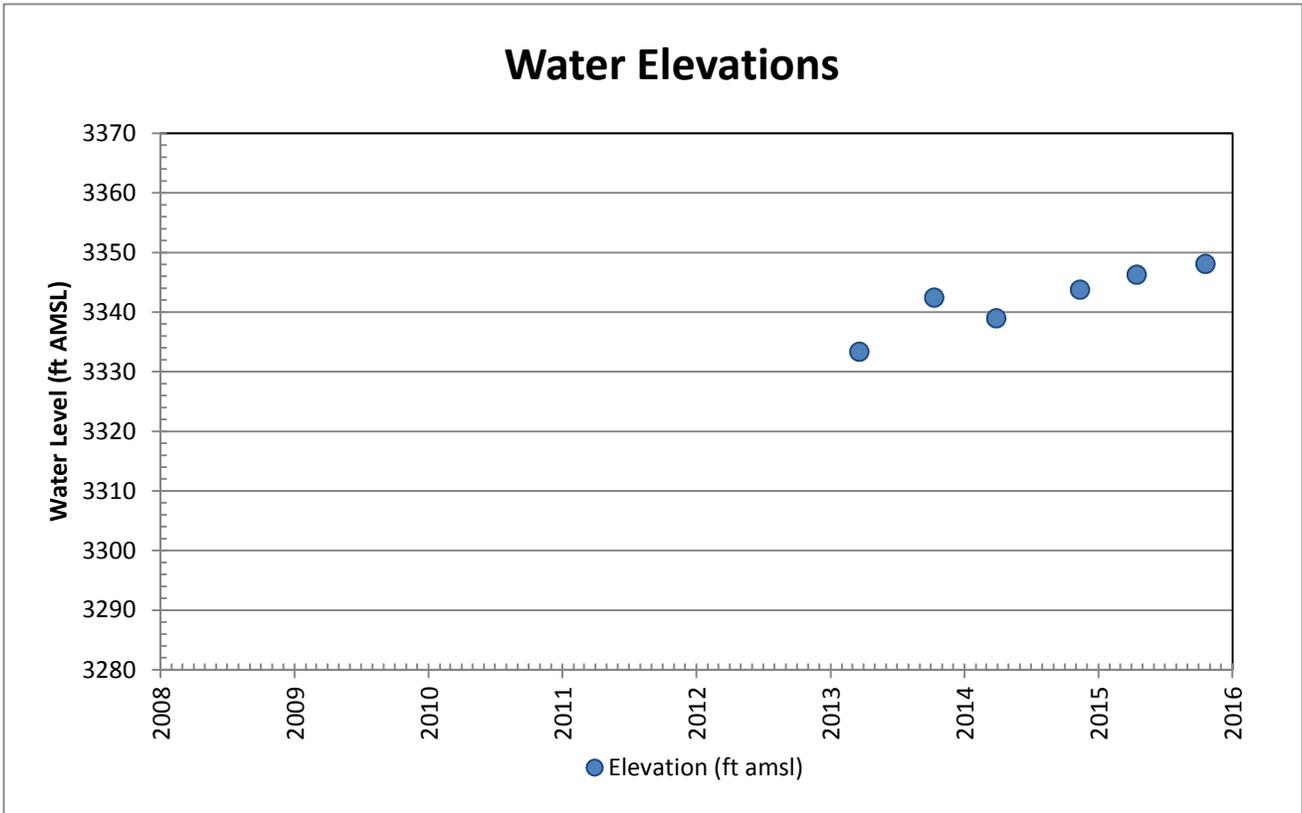
# RW-14 & RW-14R



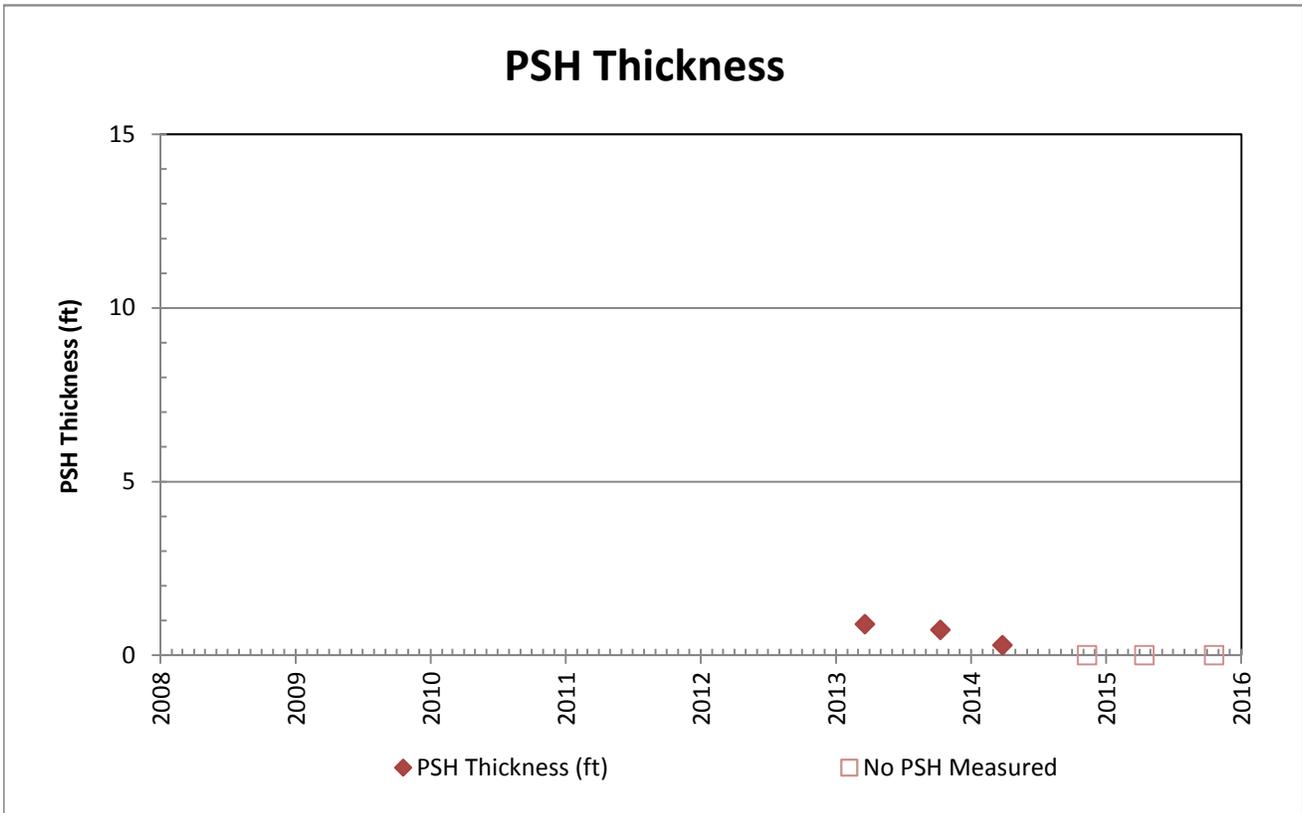
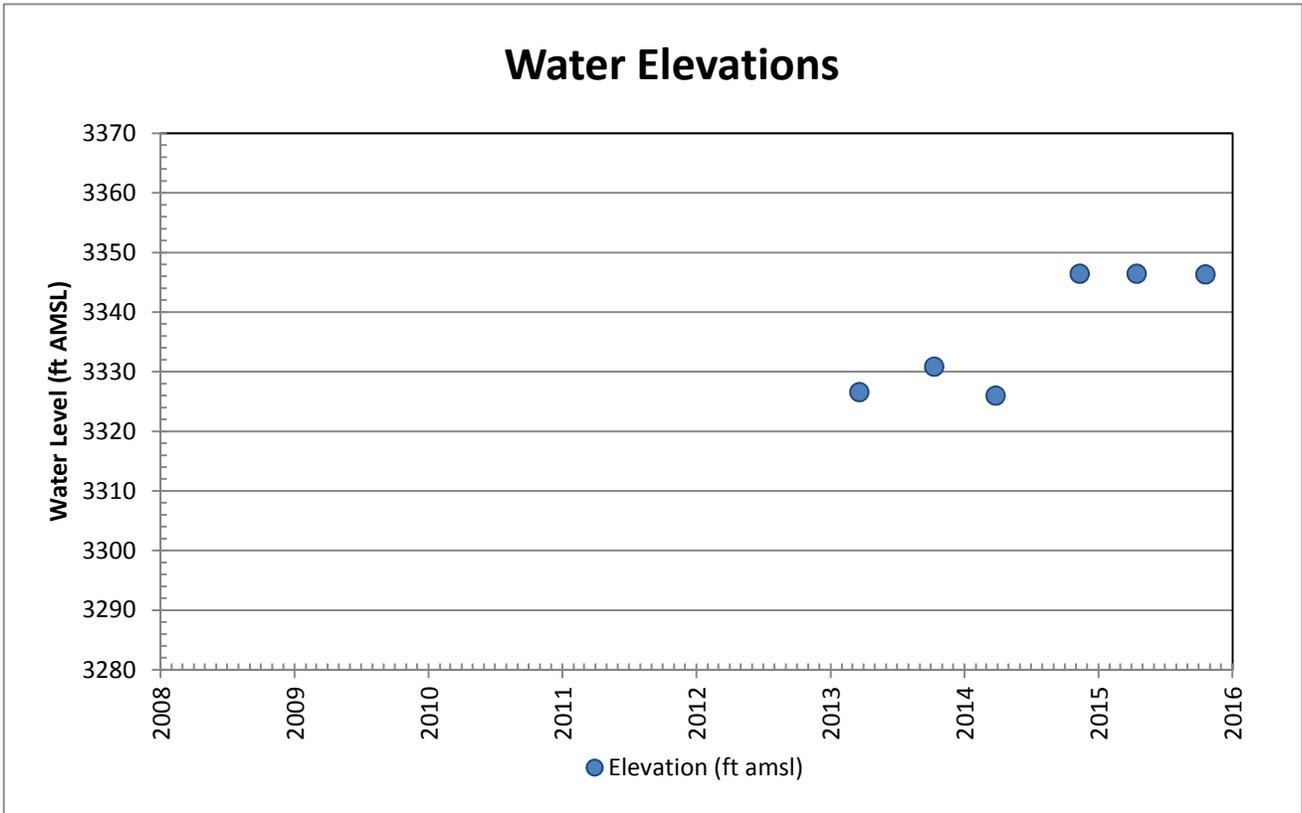
# RW-15



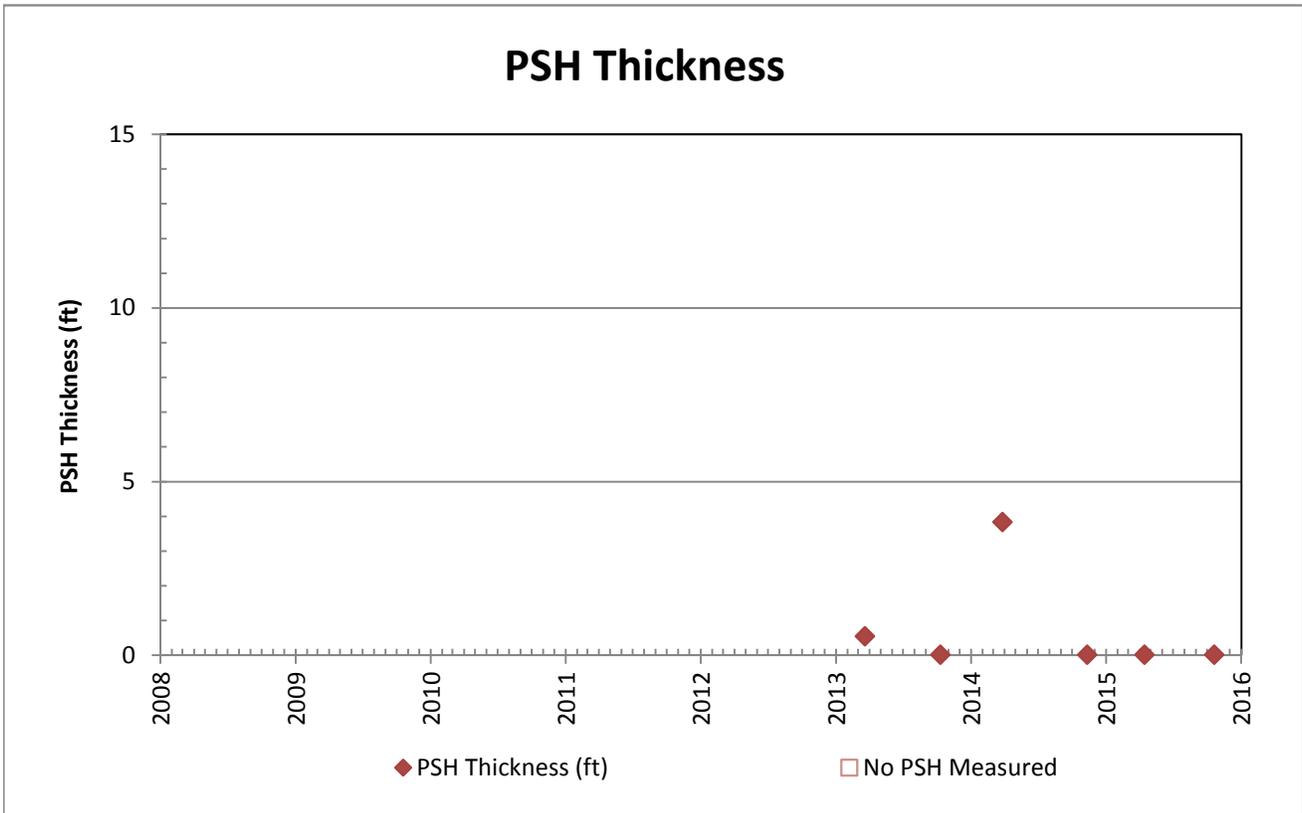
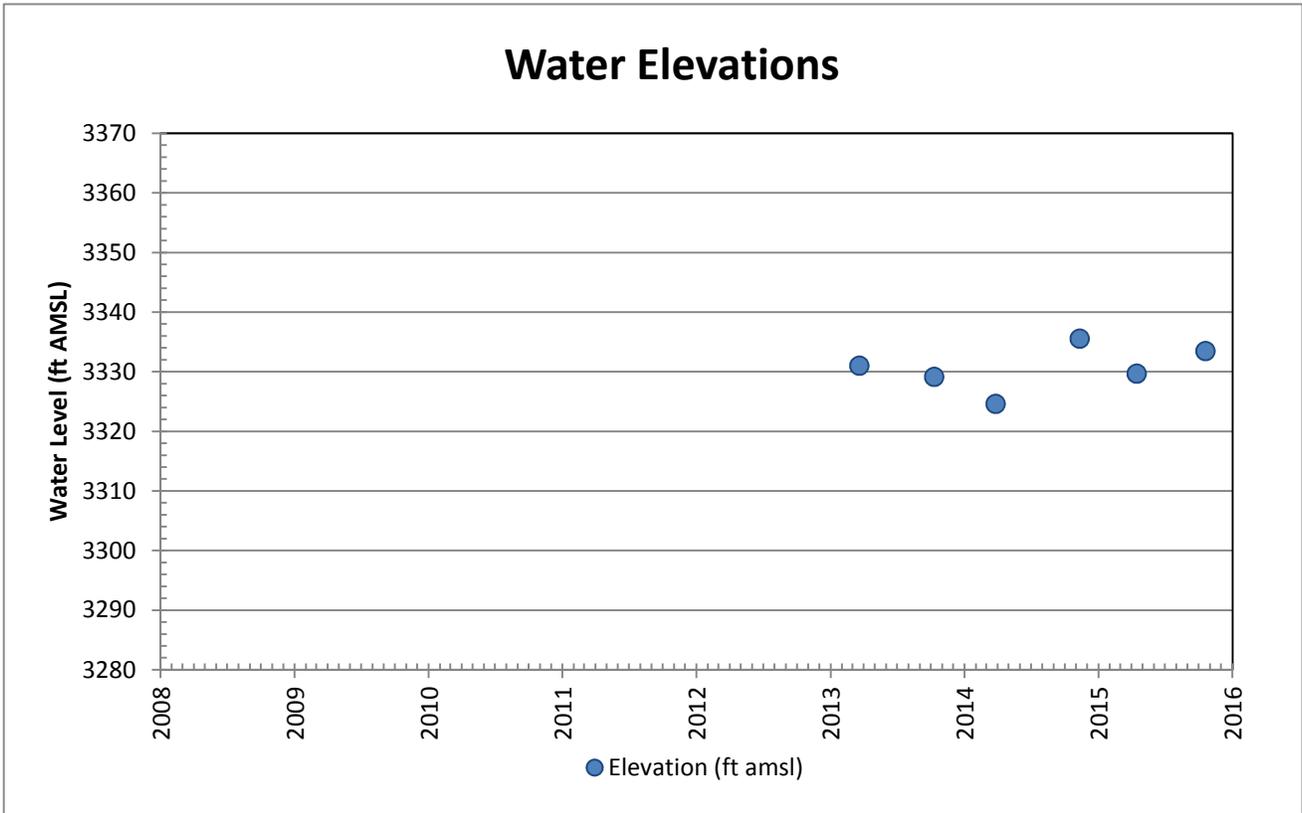
# RW-19



# RW-20

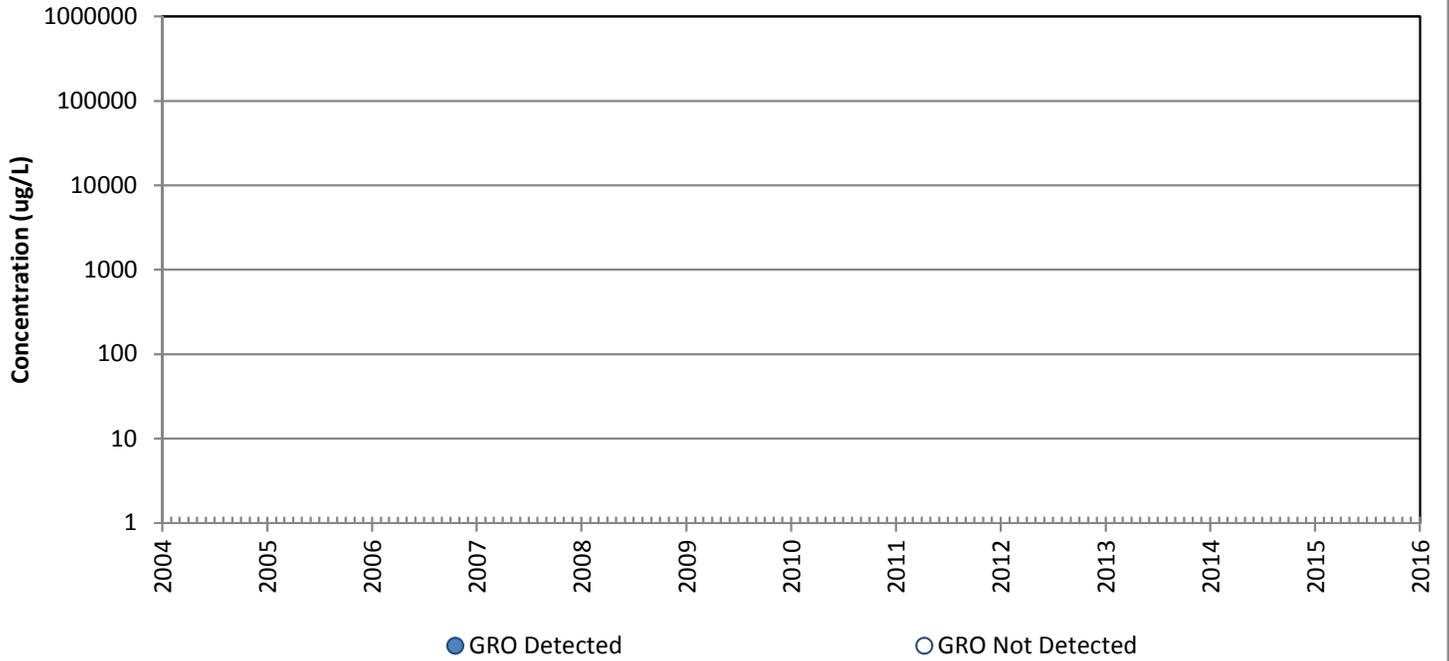


# RW-22

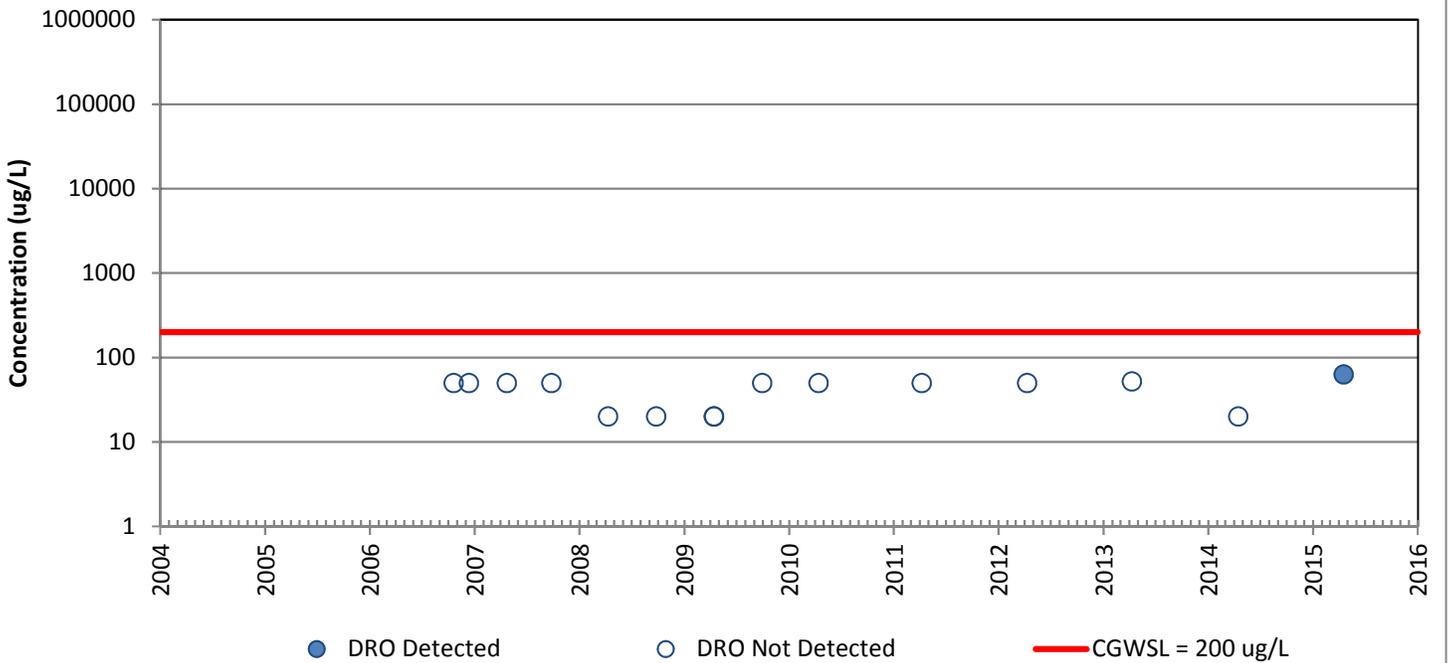


# KWB-13R

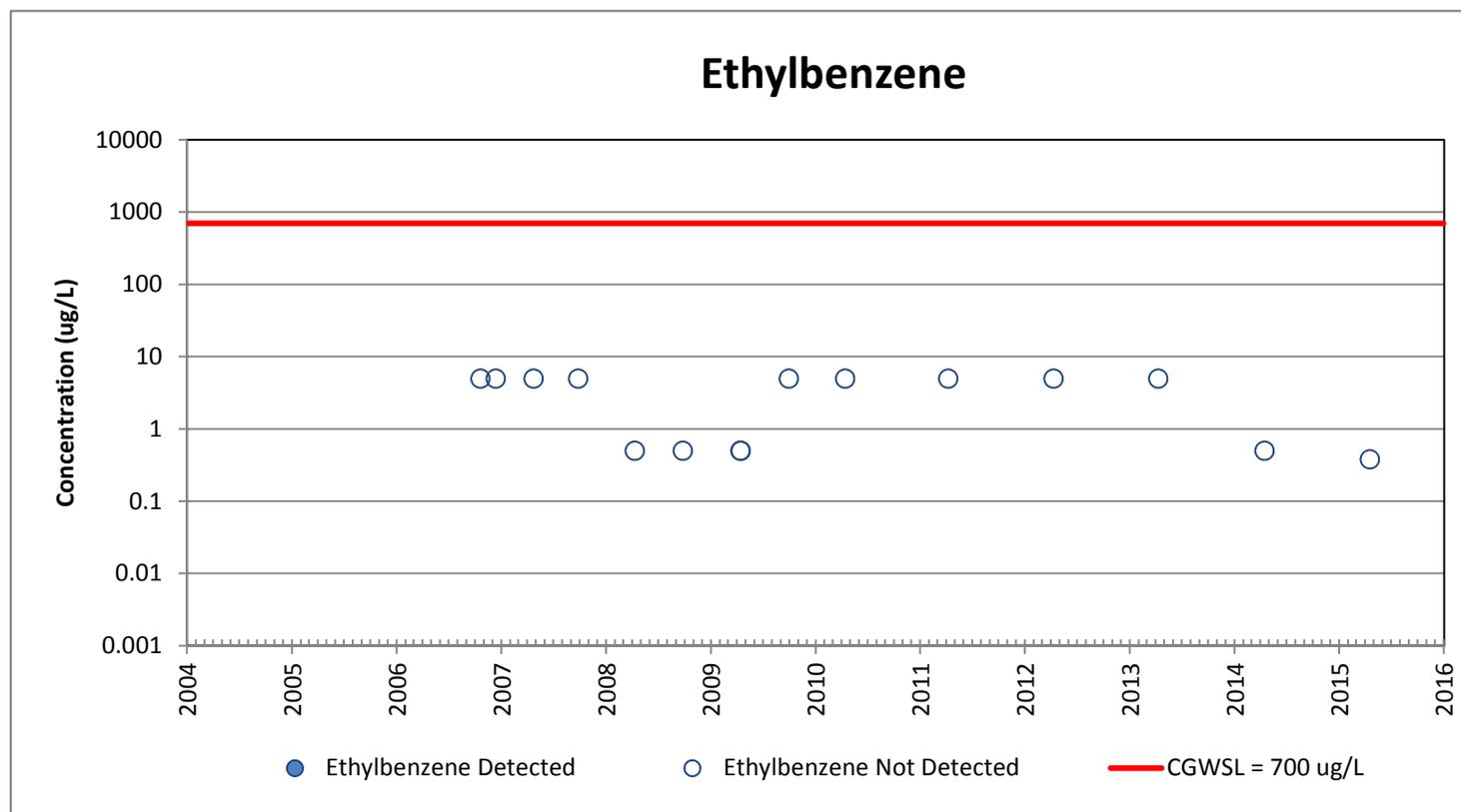
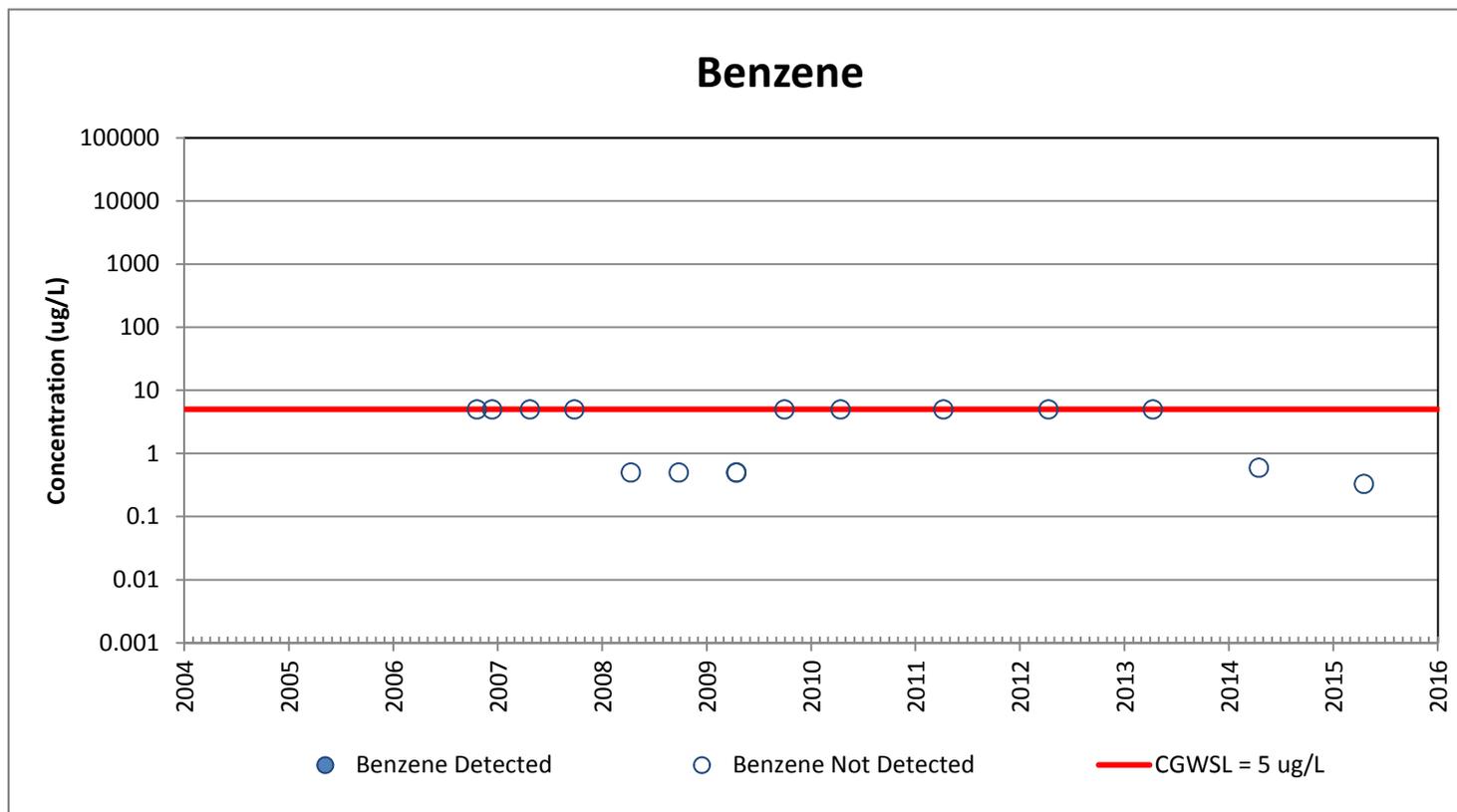
## GRO



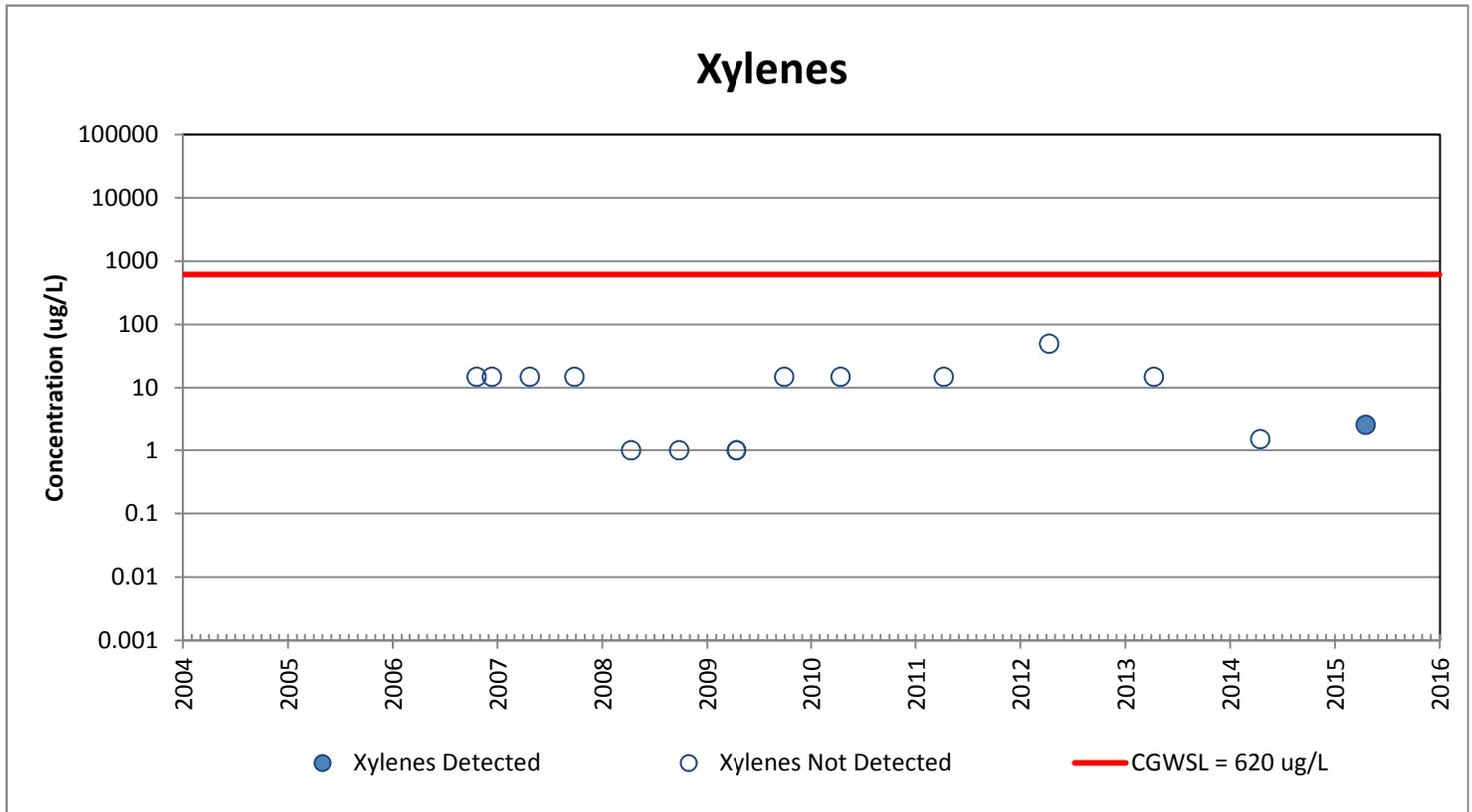
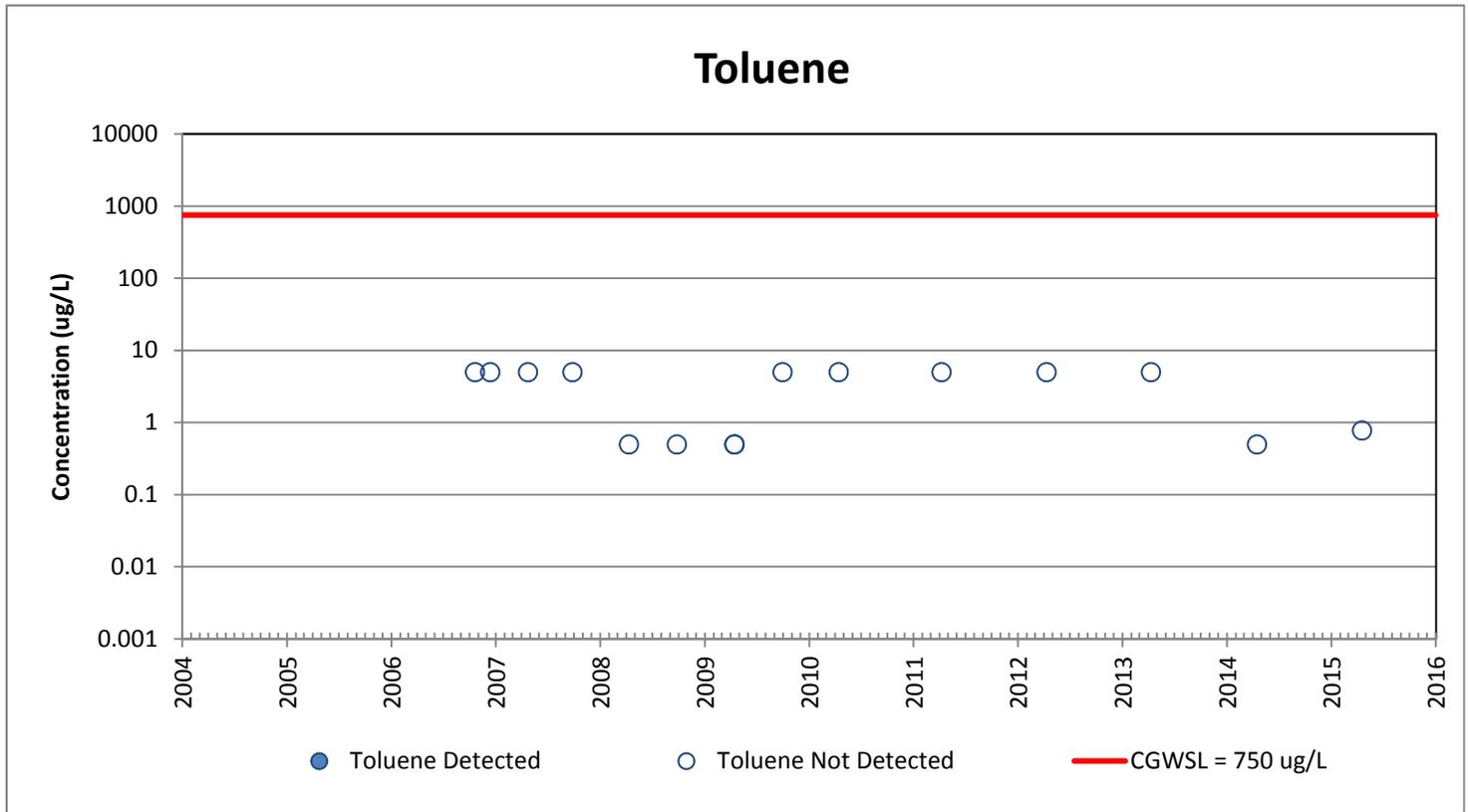
## DRO



# KWB-13R

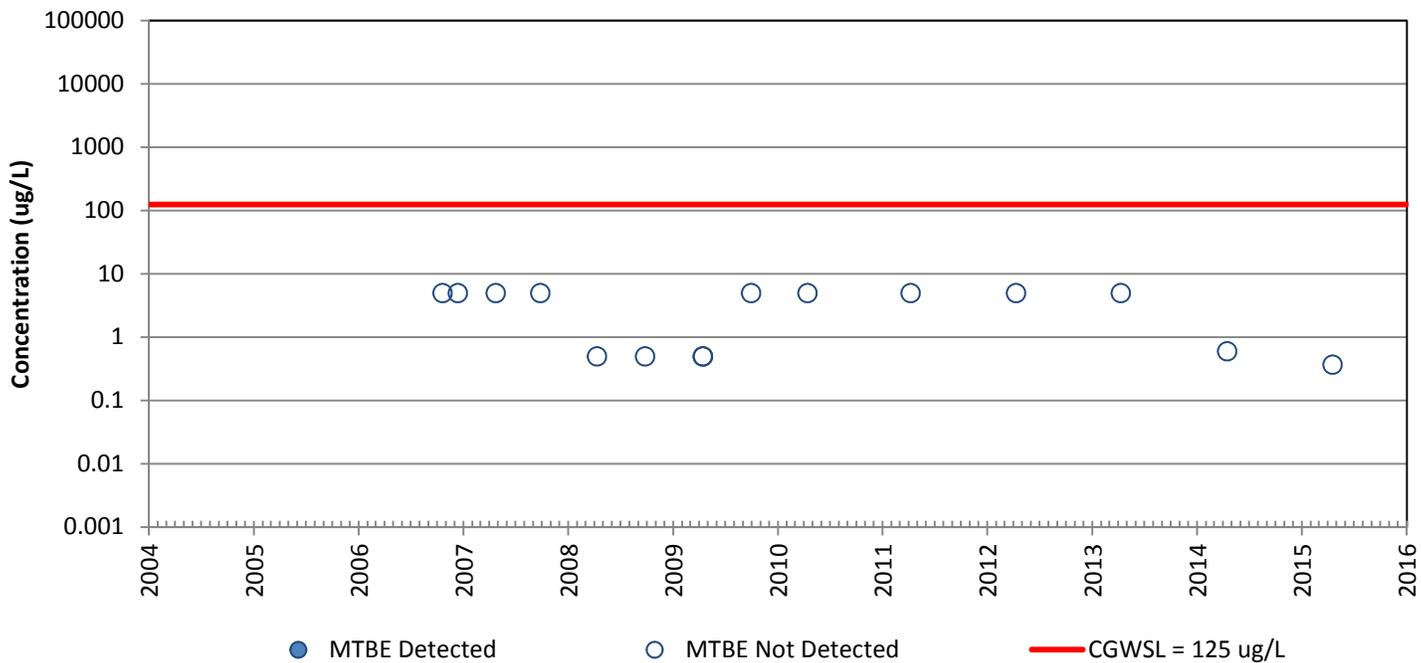


# KWB-13R

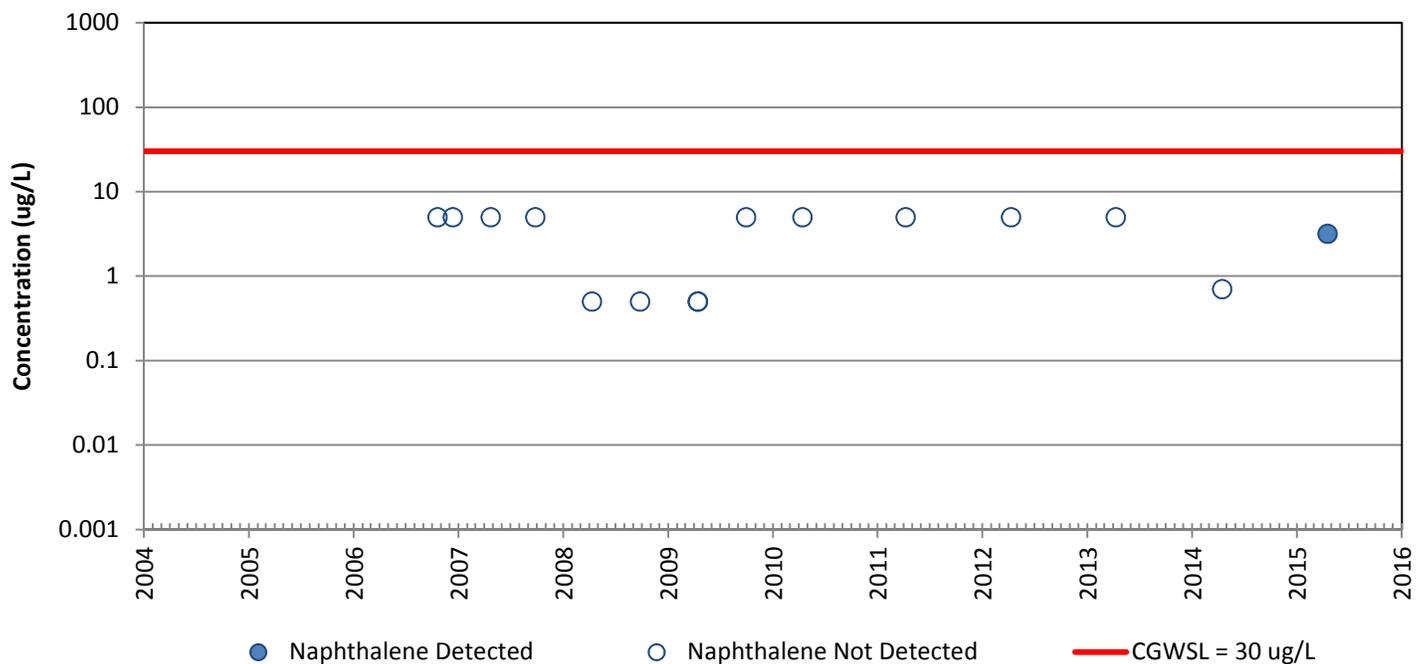


# KWB-13R

## MTBE

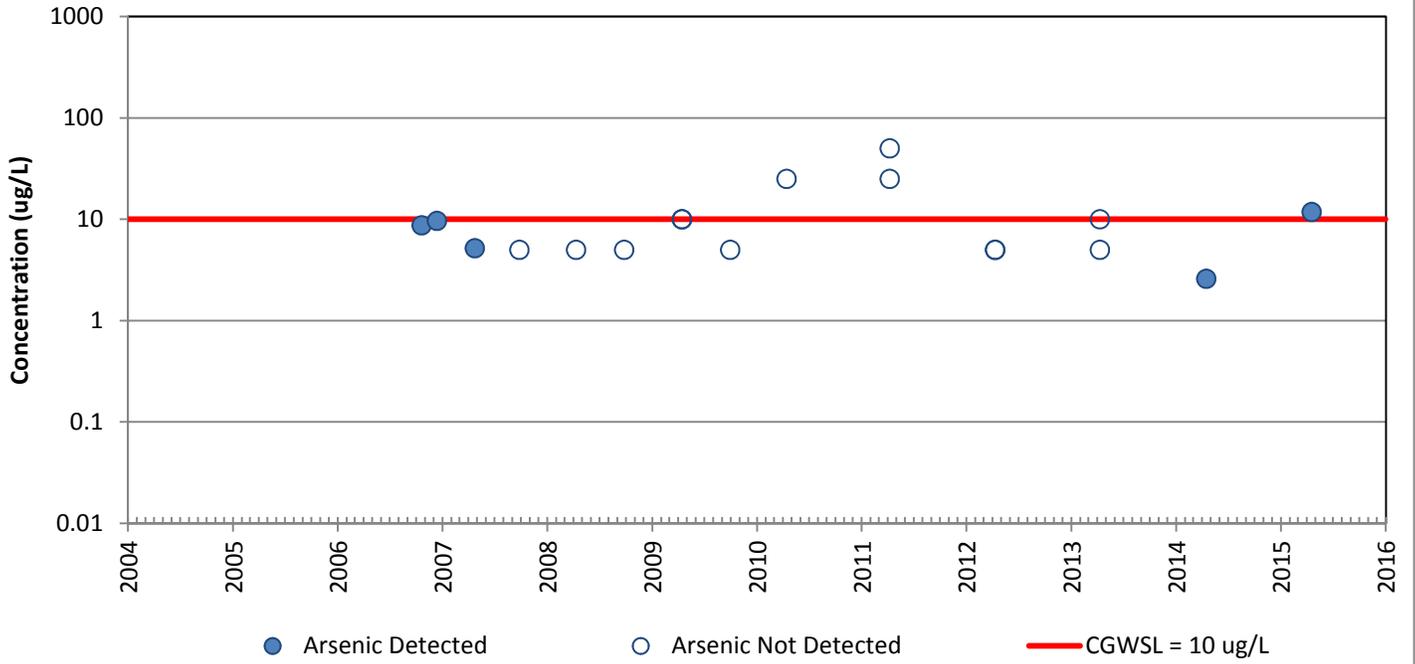


## Naphthalene

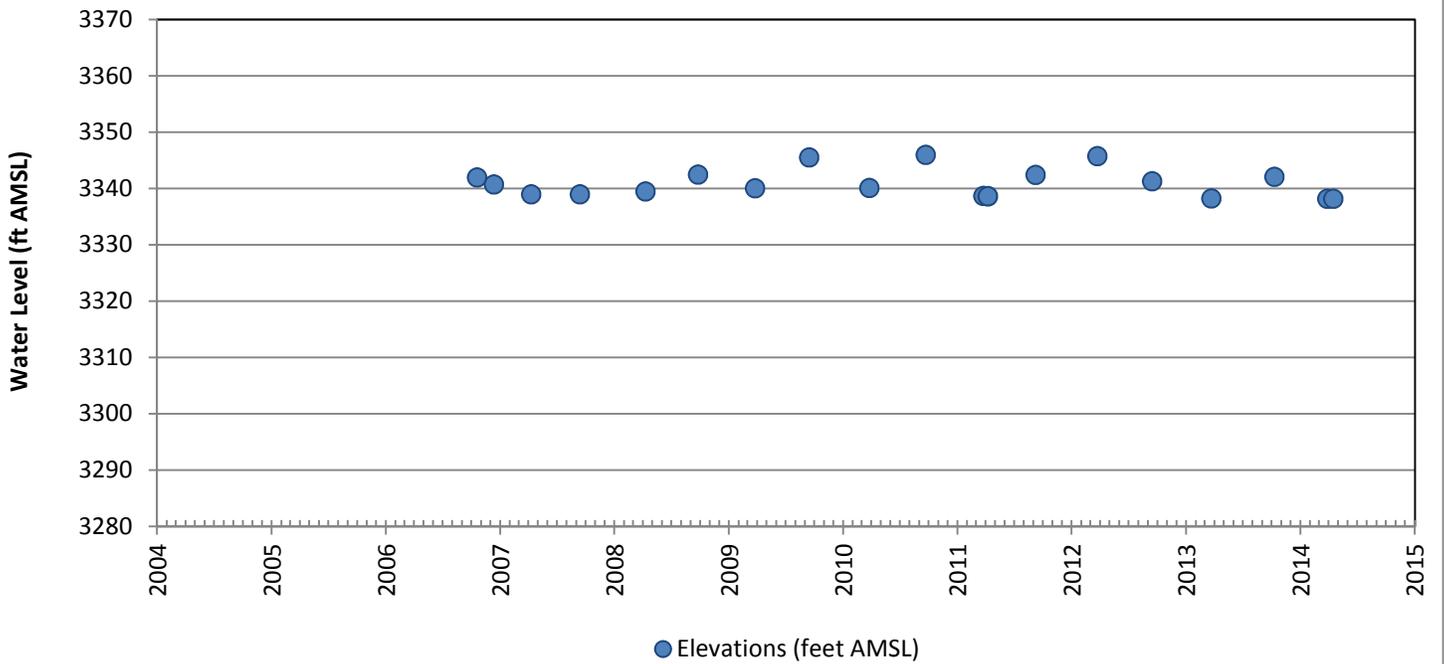


# KWB-13R

## Arsenic

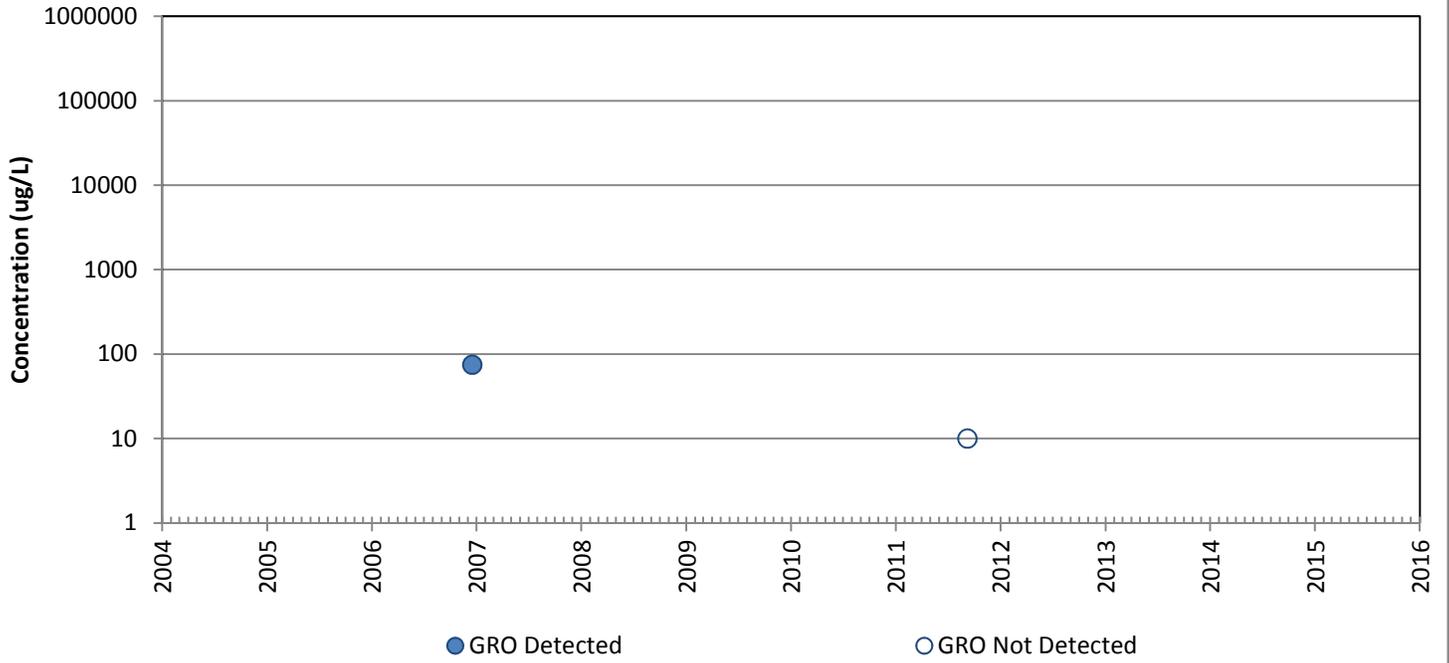


## Water Elevations

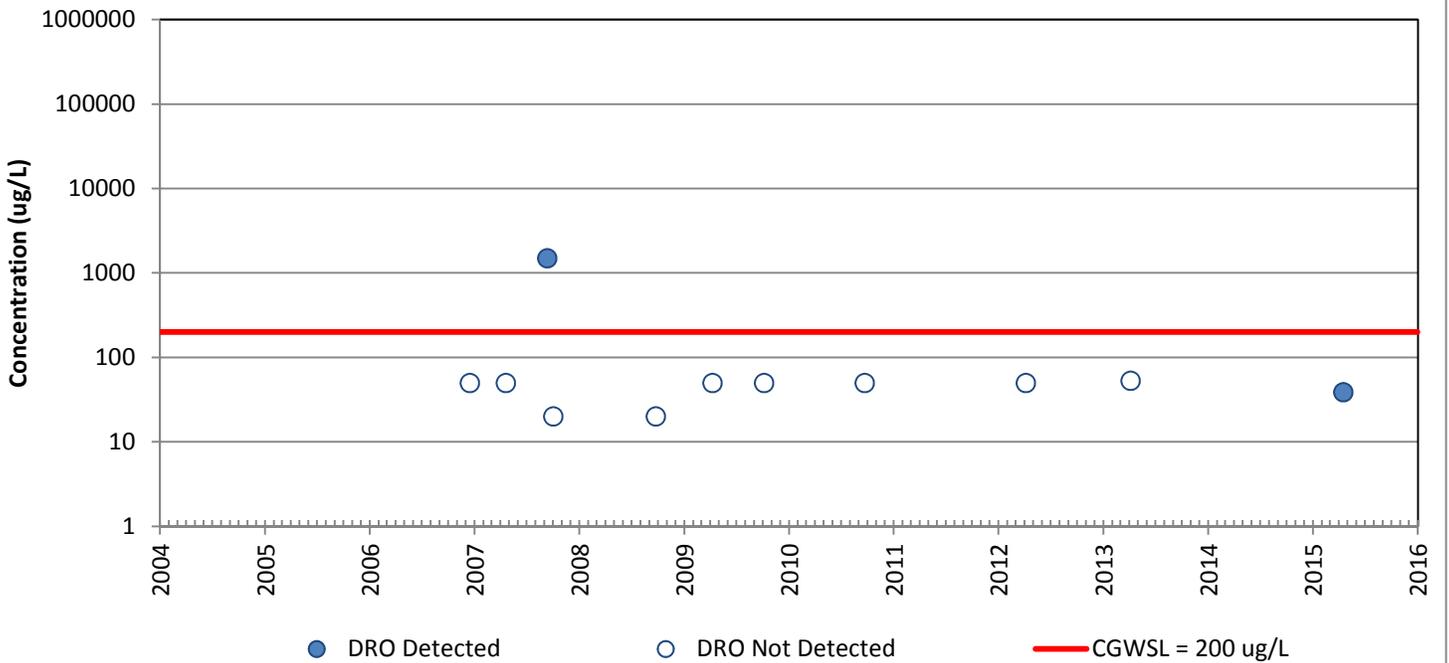


# NP-5

## GRO

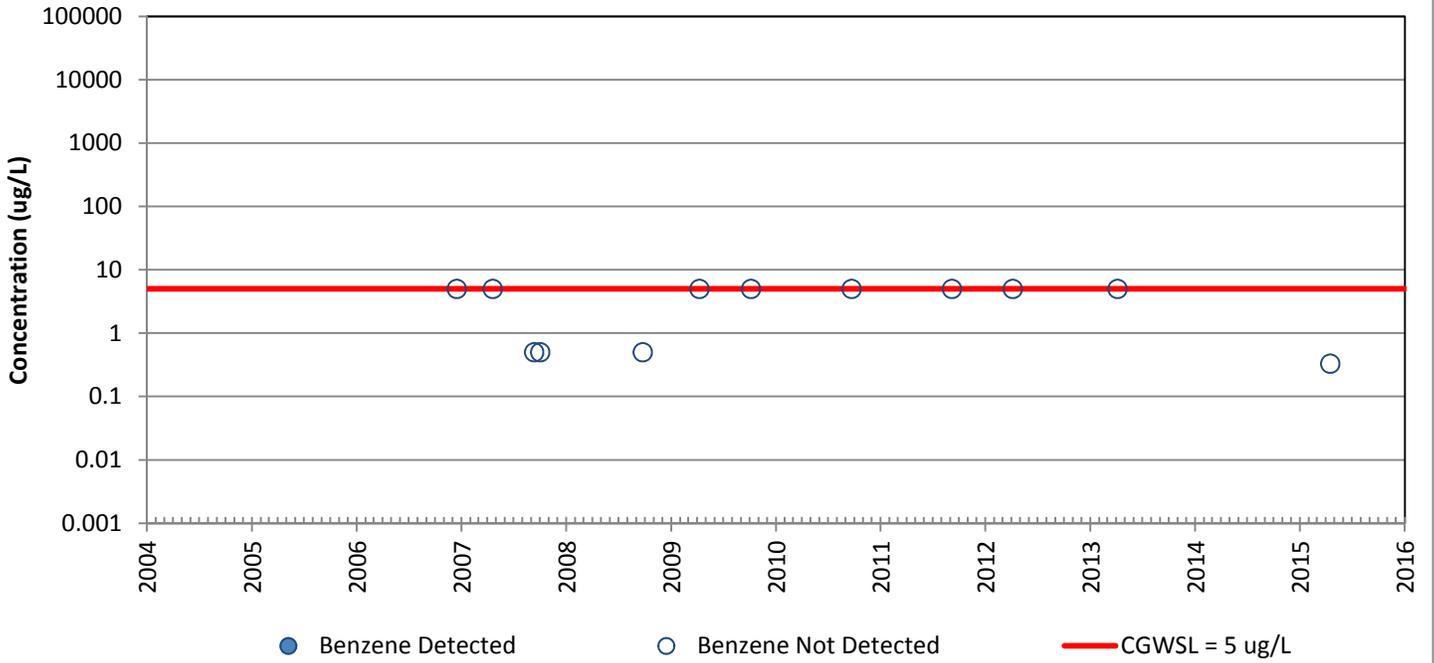


## DRO

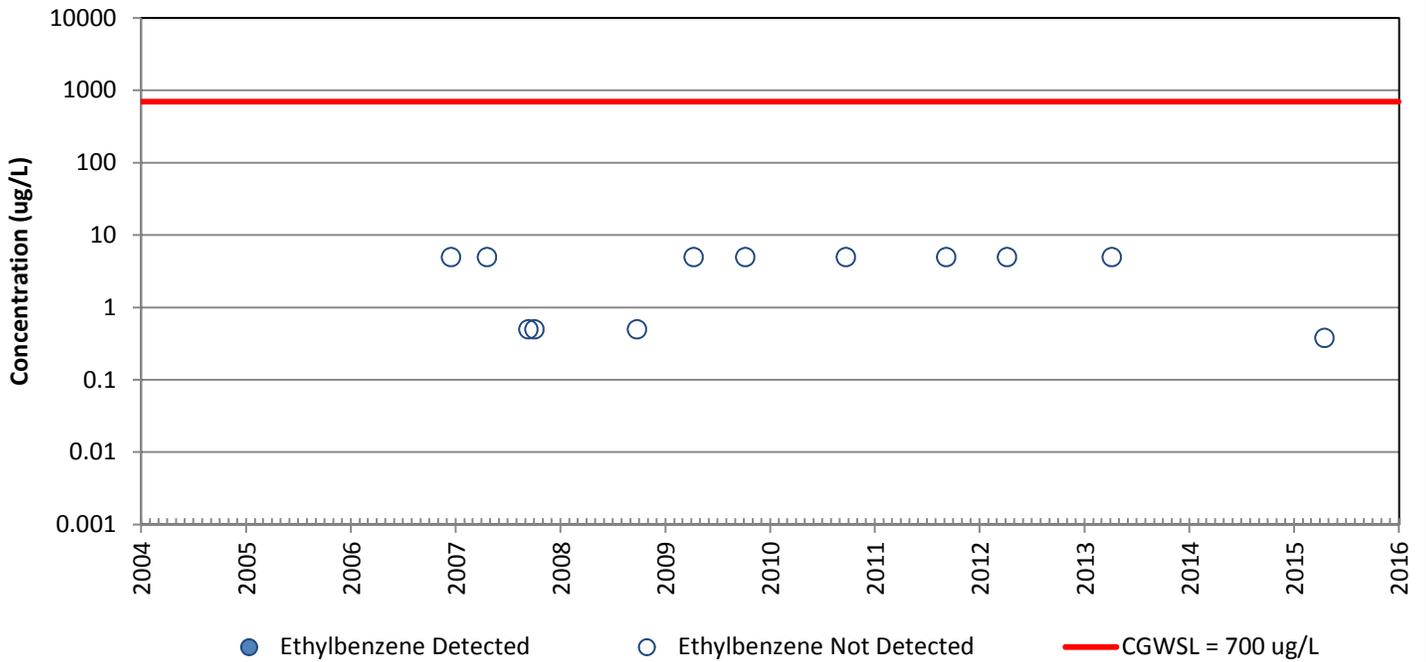


# NP-5

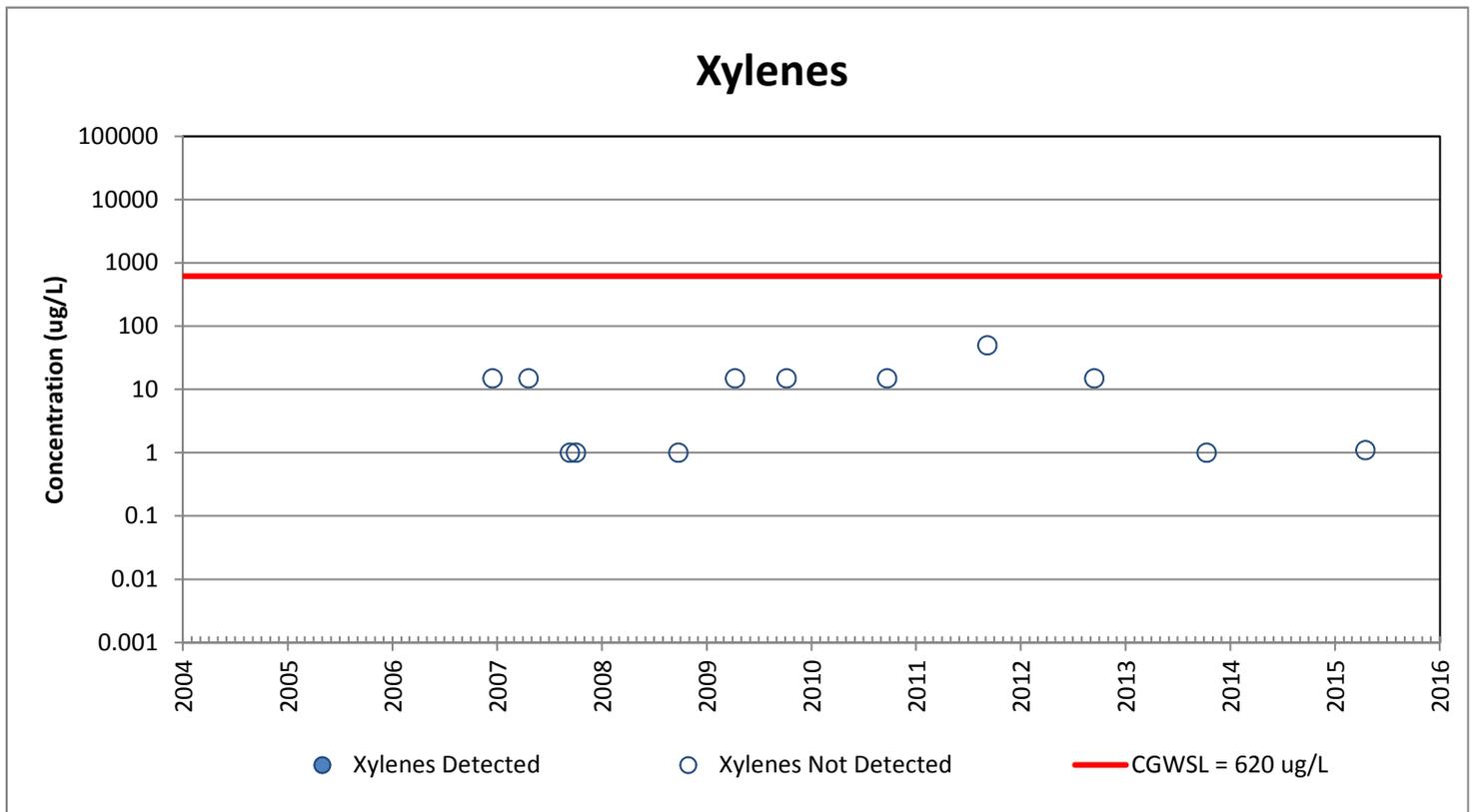
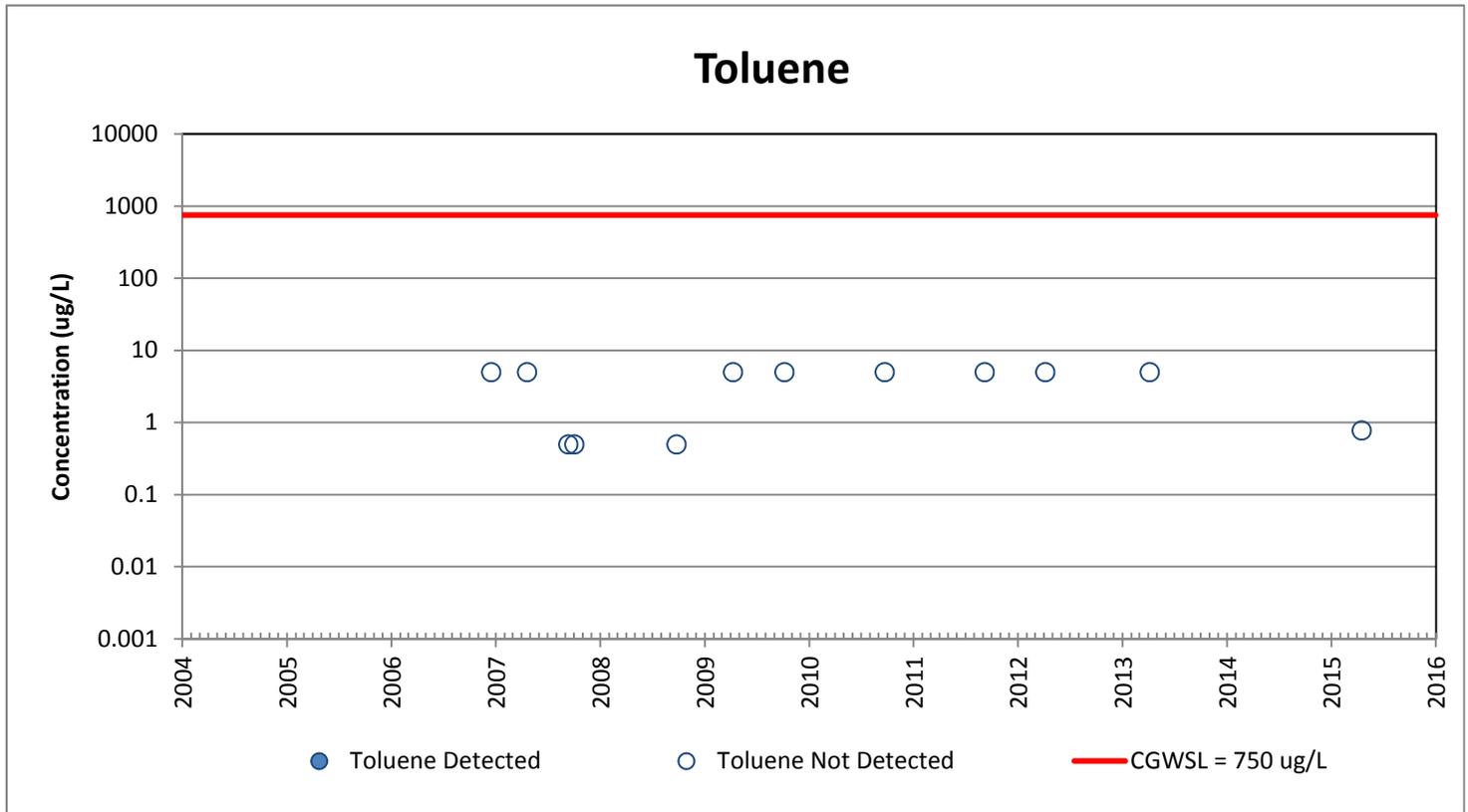
## Benzene



## Ethylbenzene

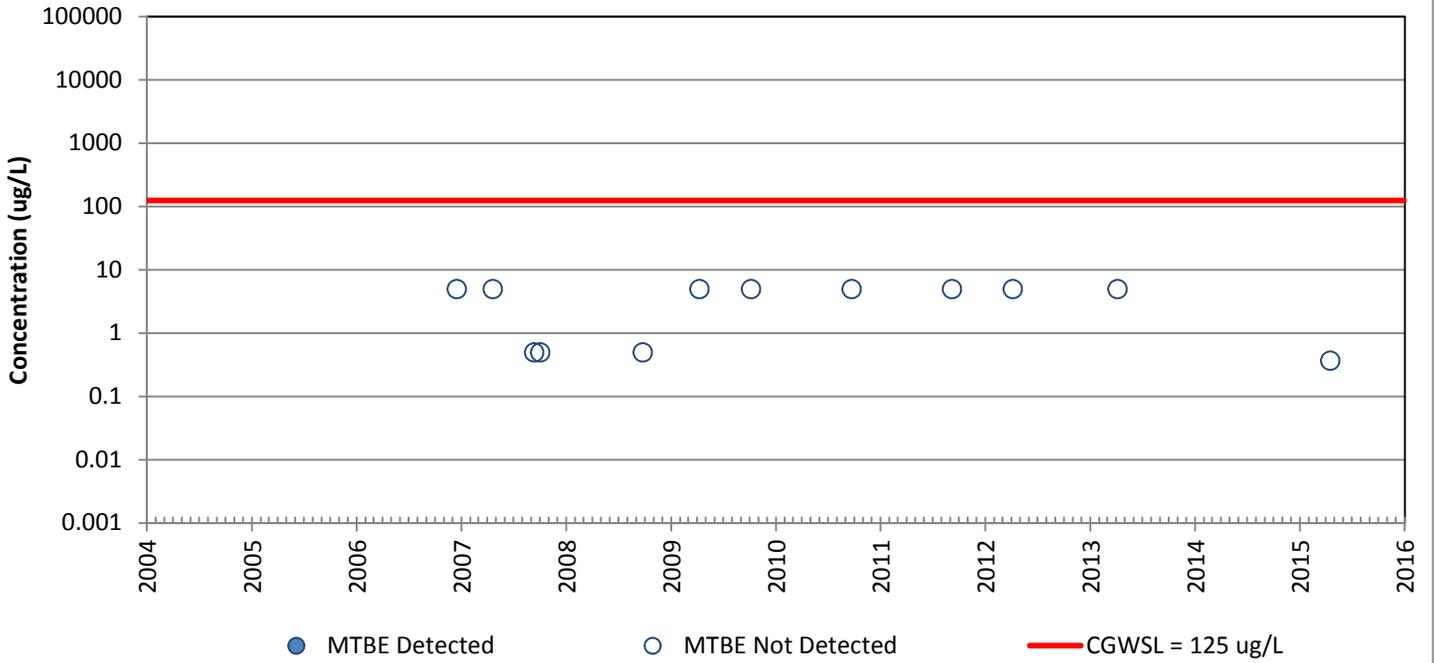


# NP-5

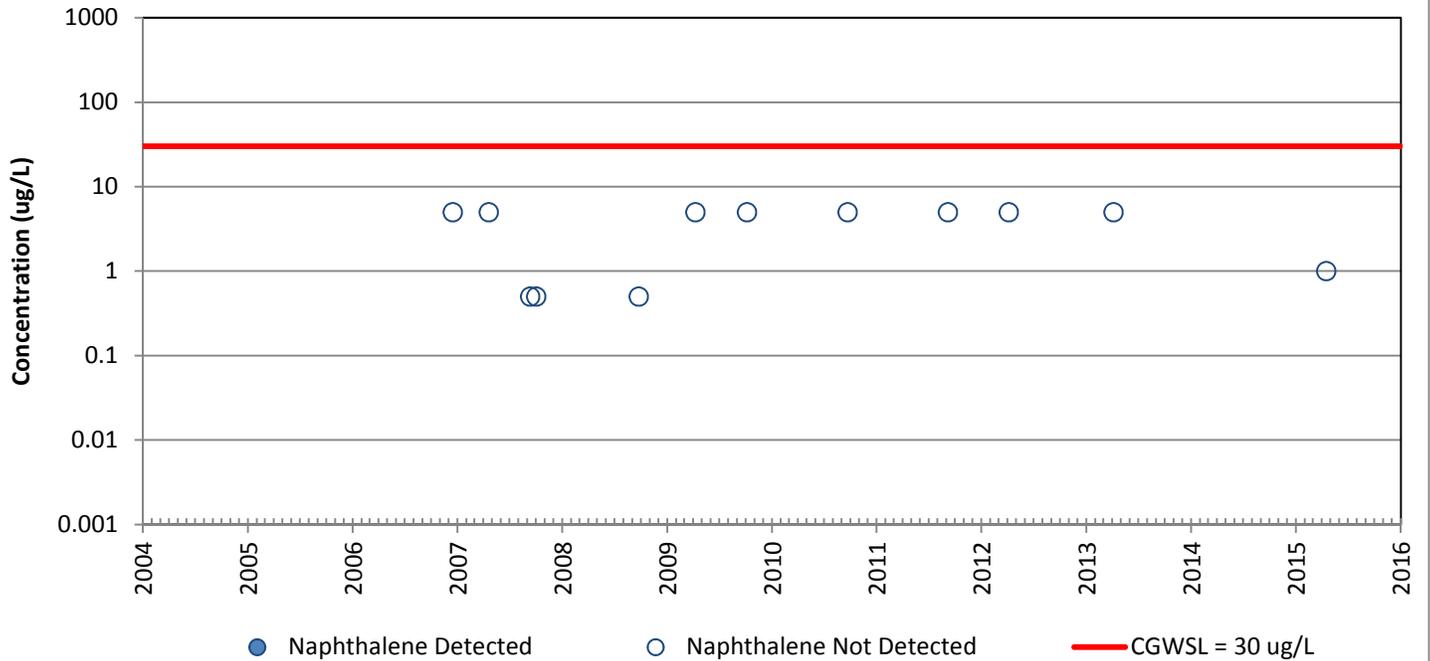


# NP-5

## MTBE

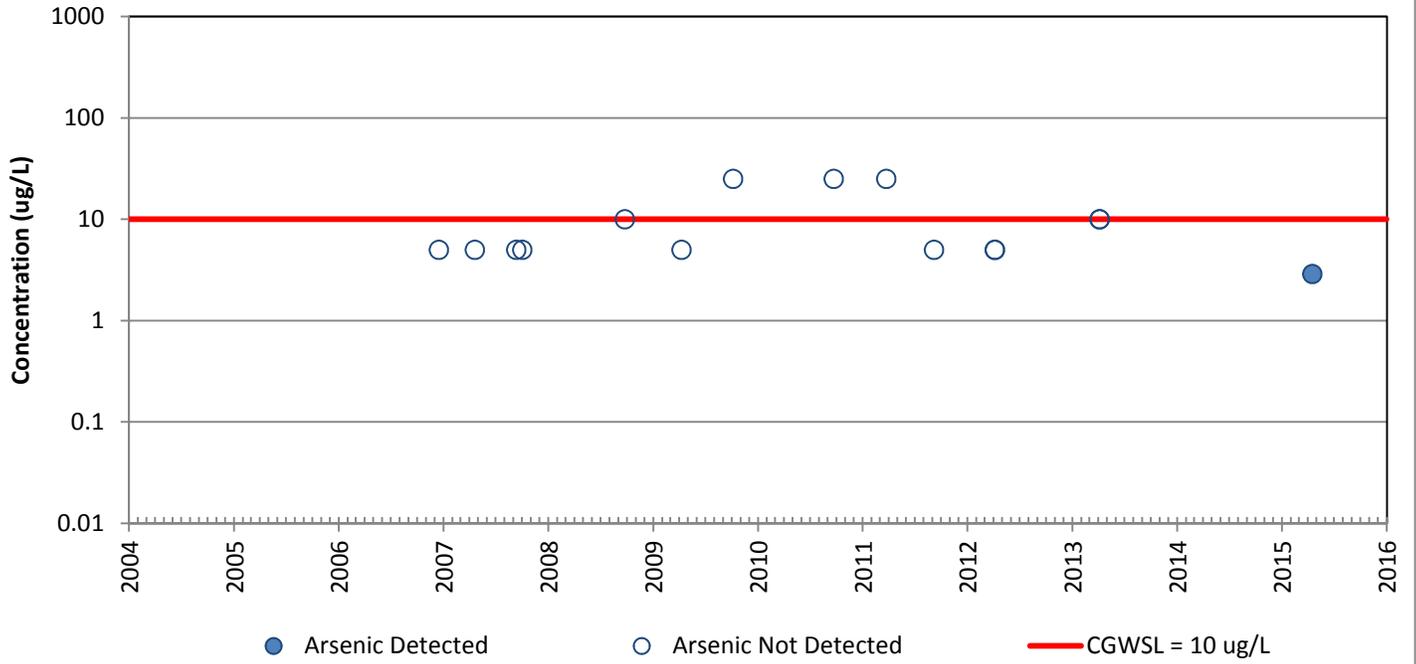


## Naphthalene

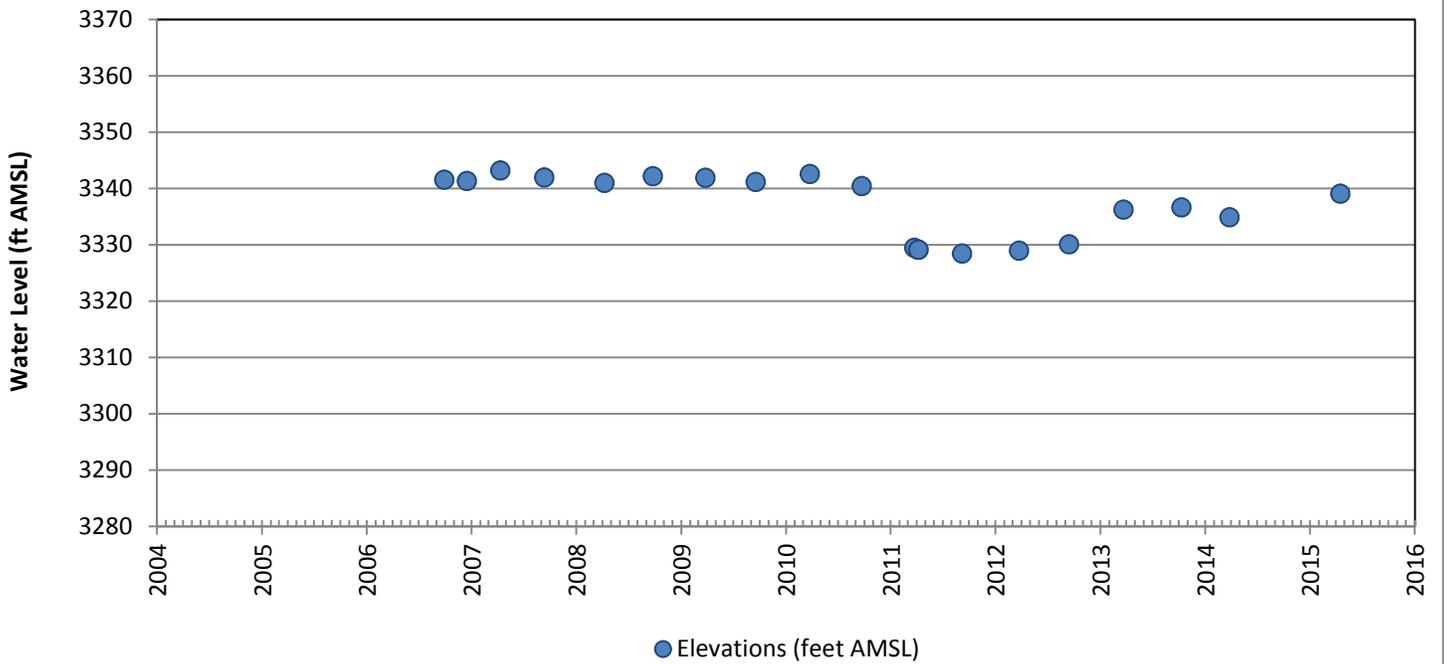


# NP-5

## Arsenic

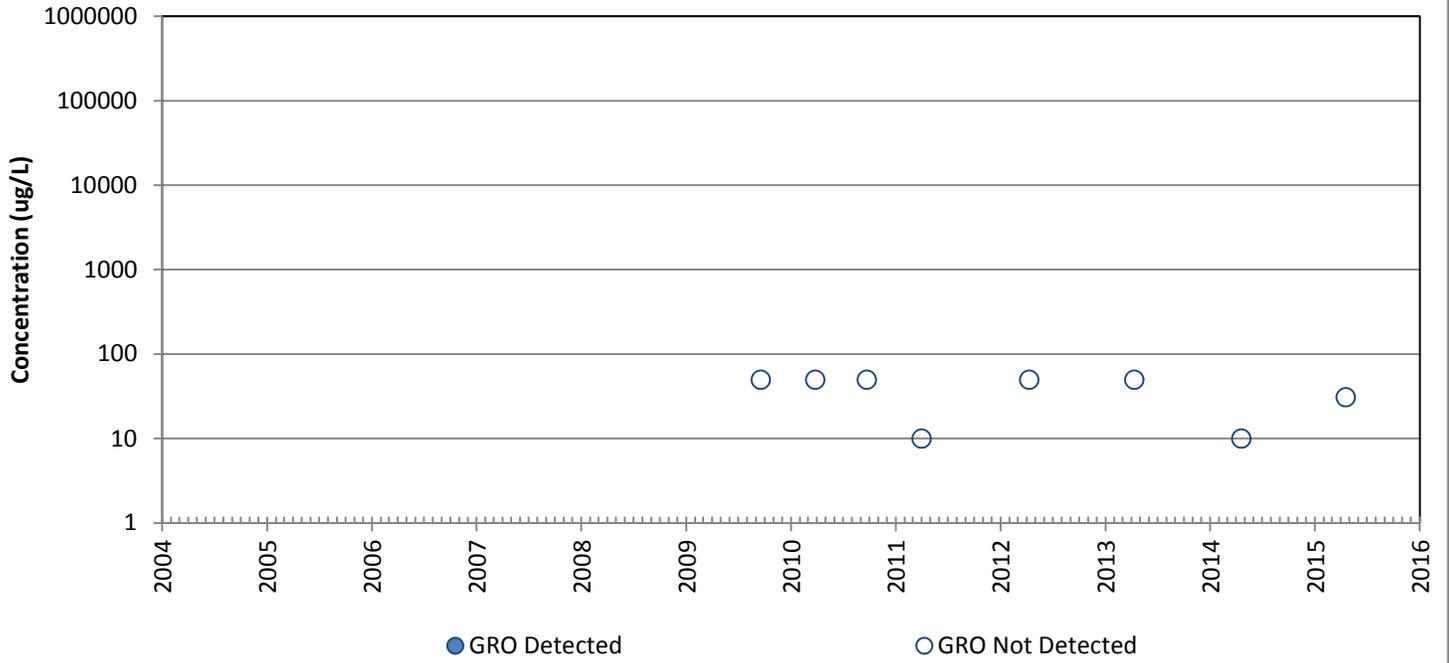


## Water Elevations

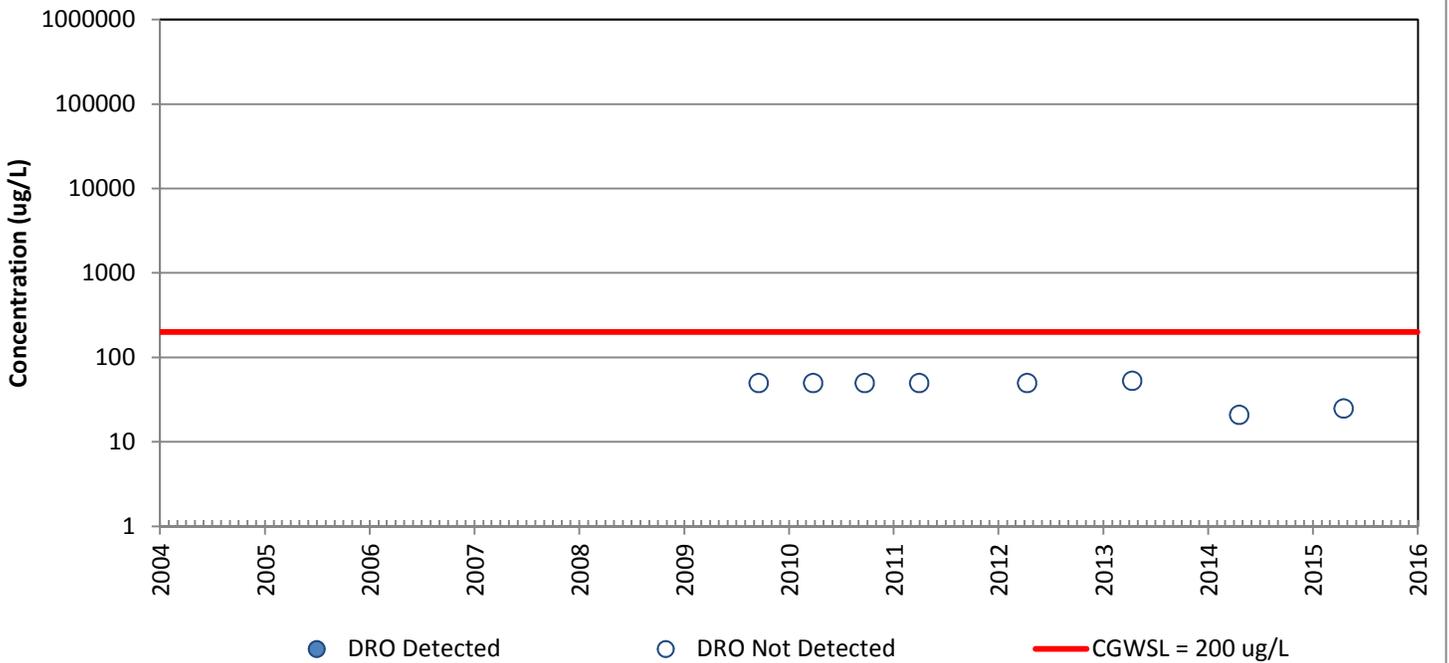


# UG-1

## GRO

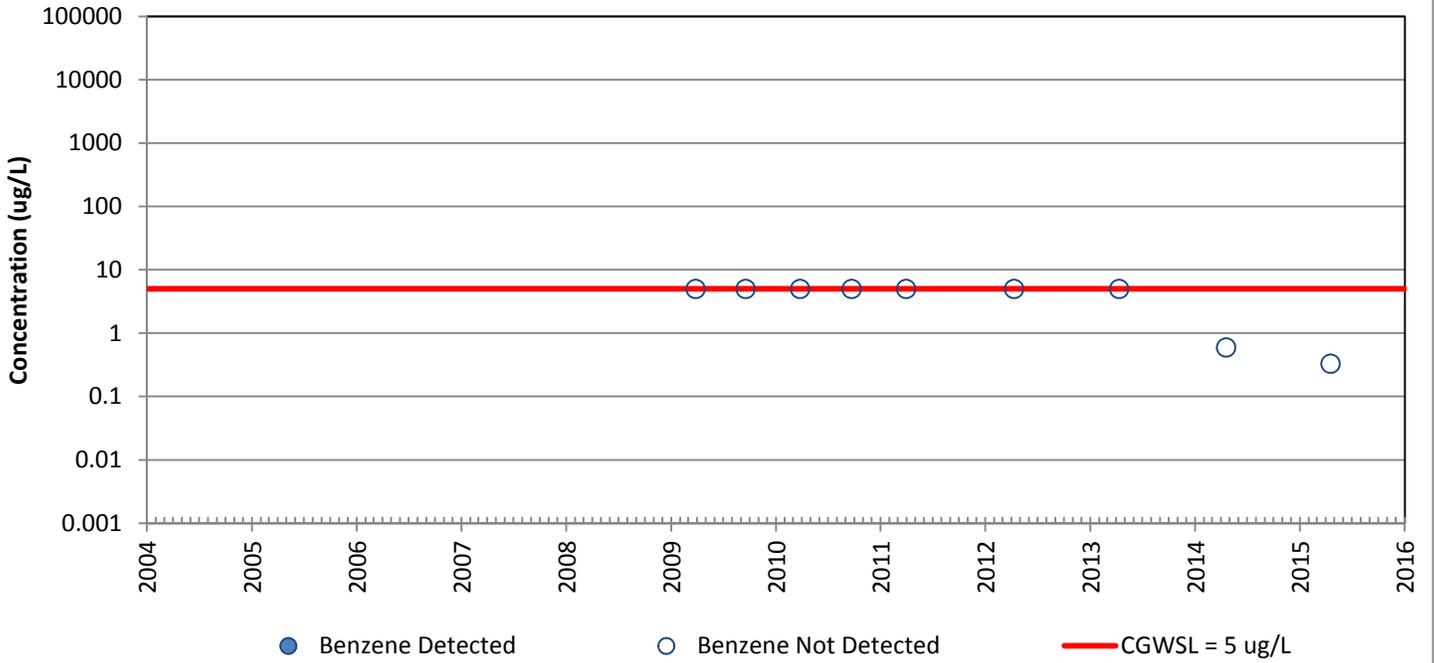


## DRO

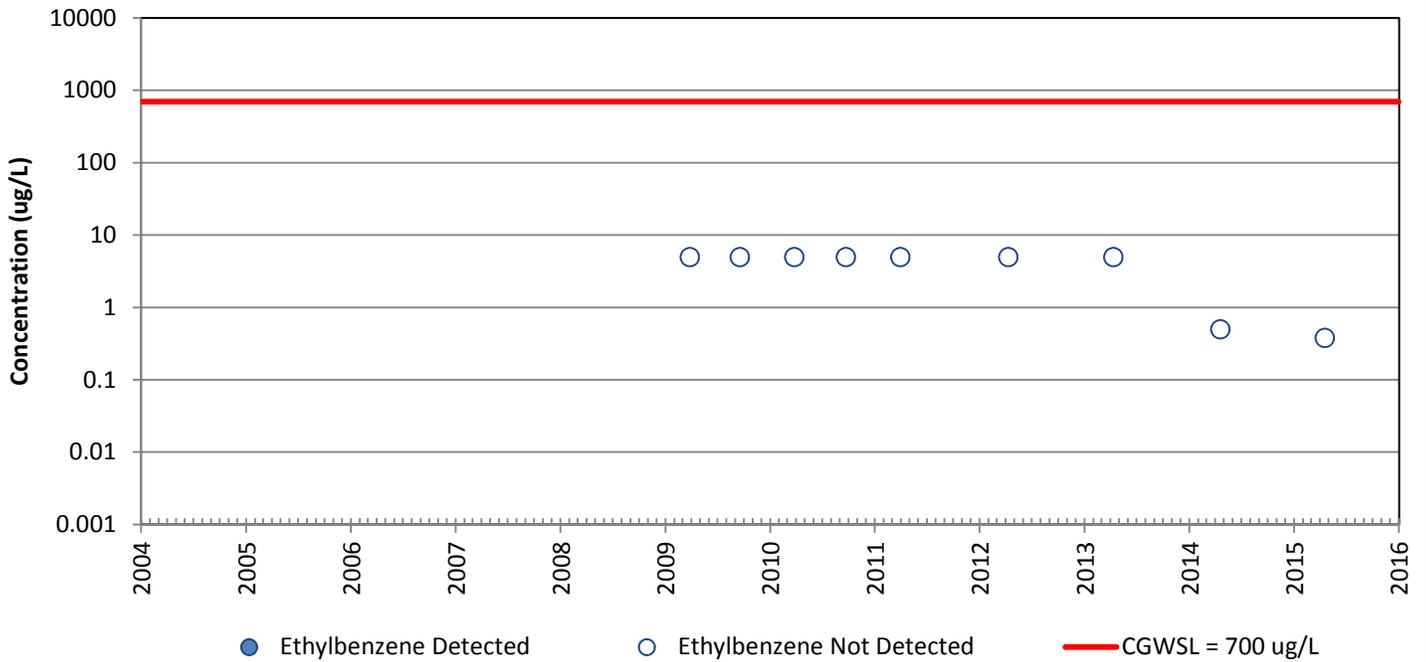


# UG-1

## Benzene

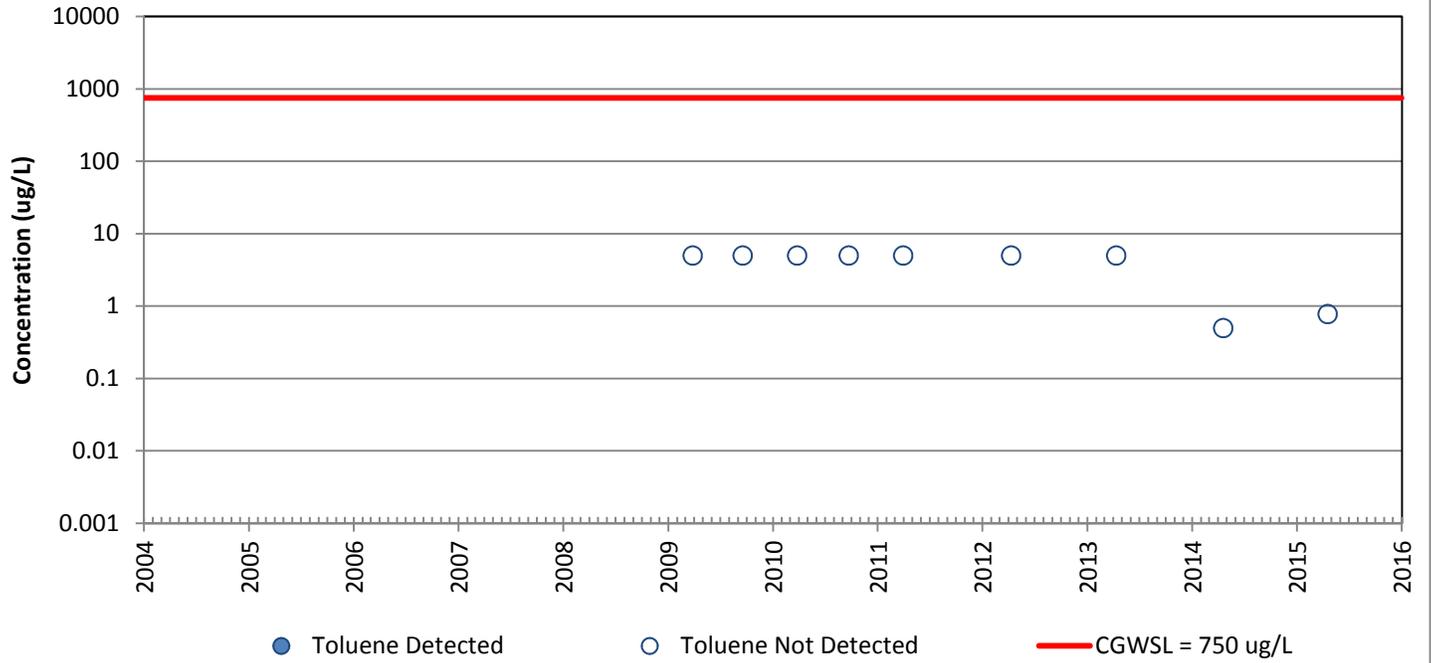


## Ethylbenzene

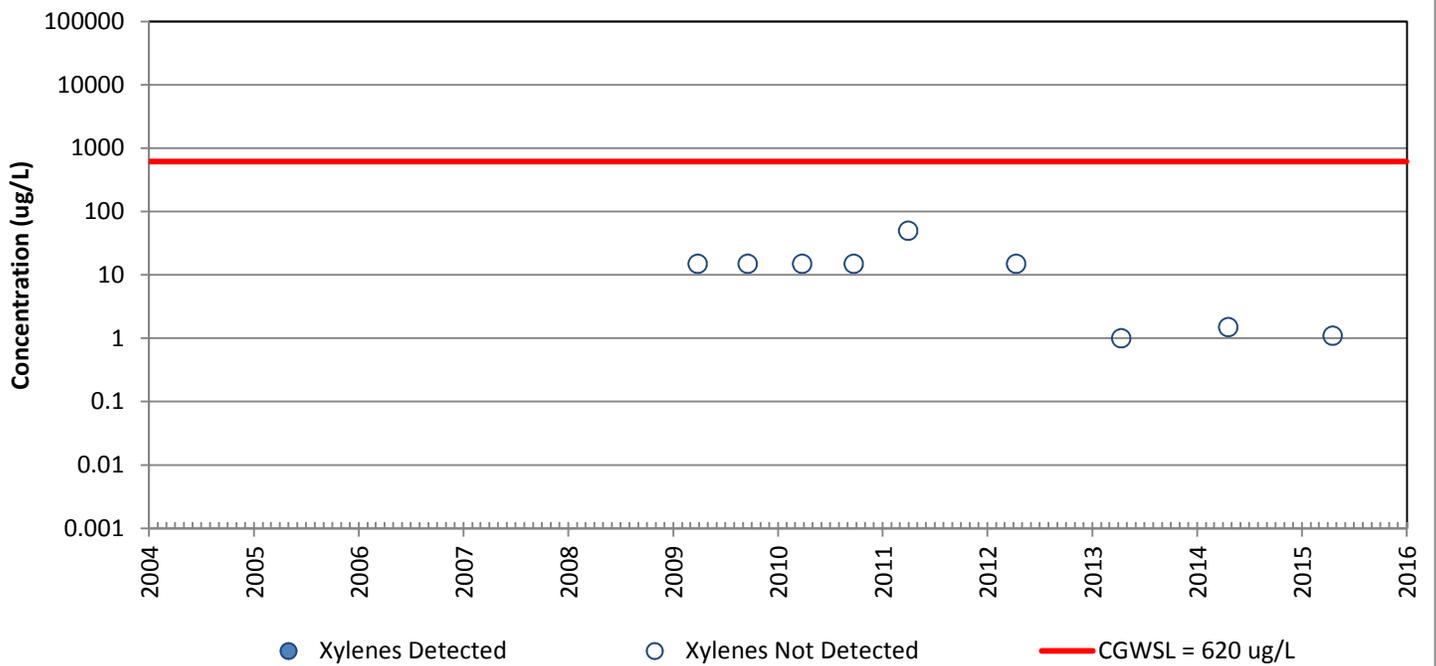


# UG-1

## Toluene

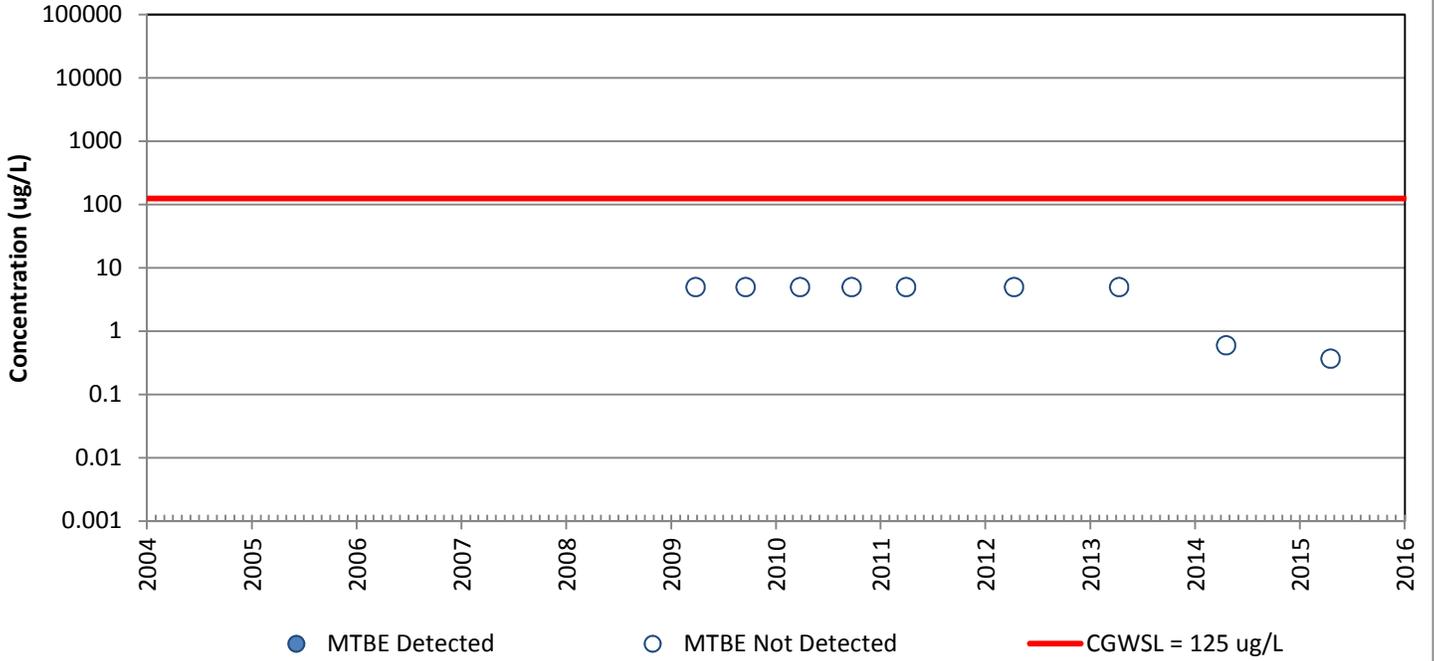


## Xylenes

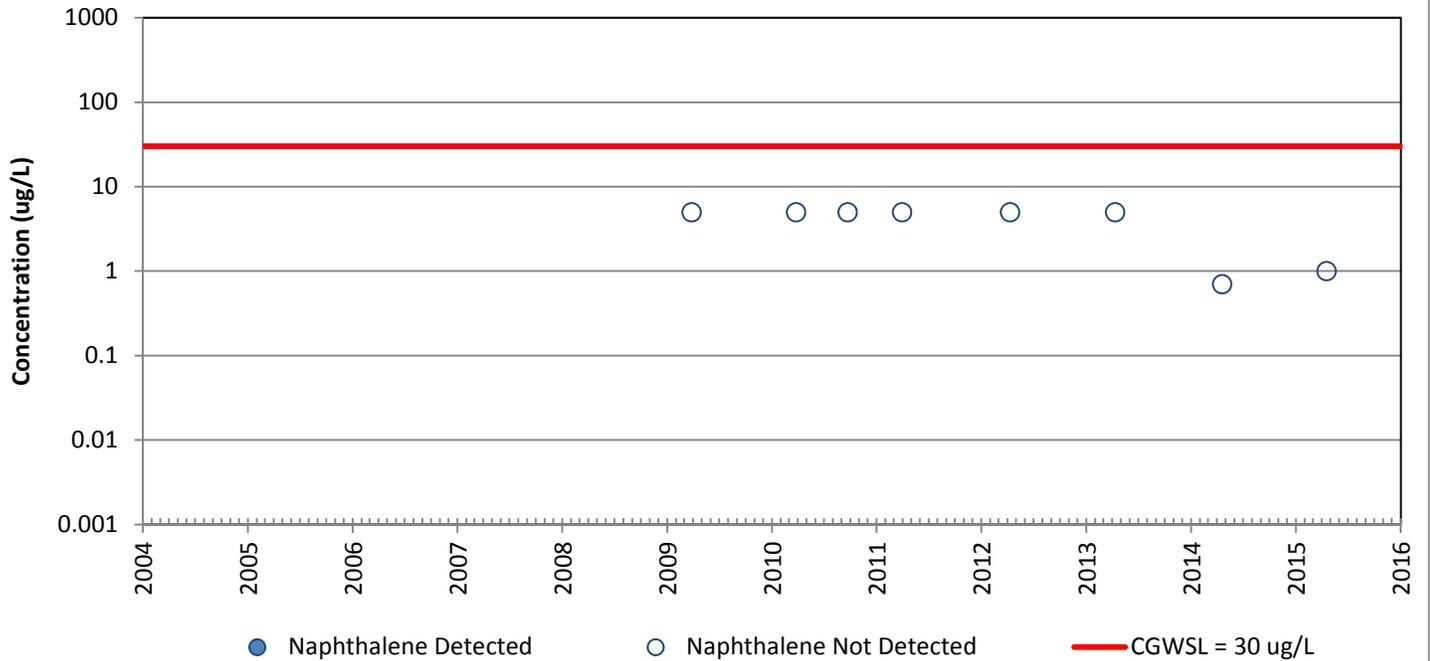


# UG-1

## MTBE

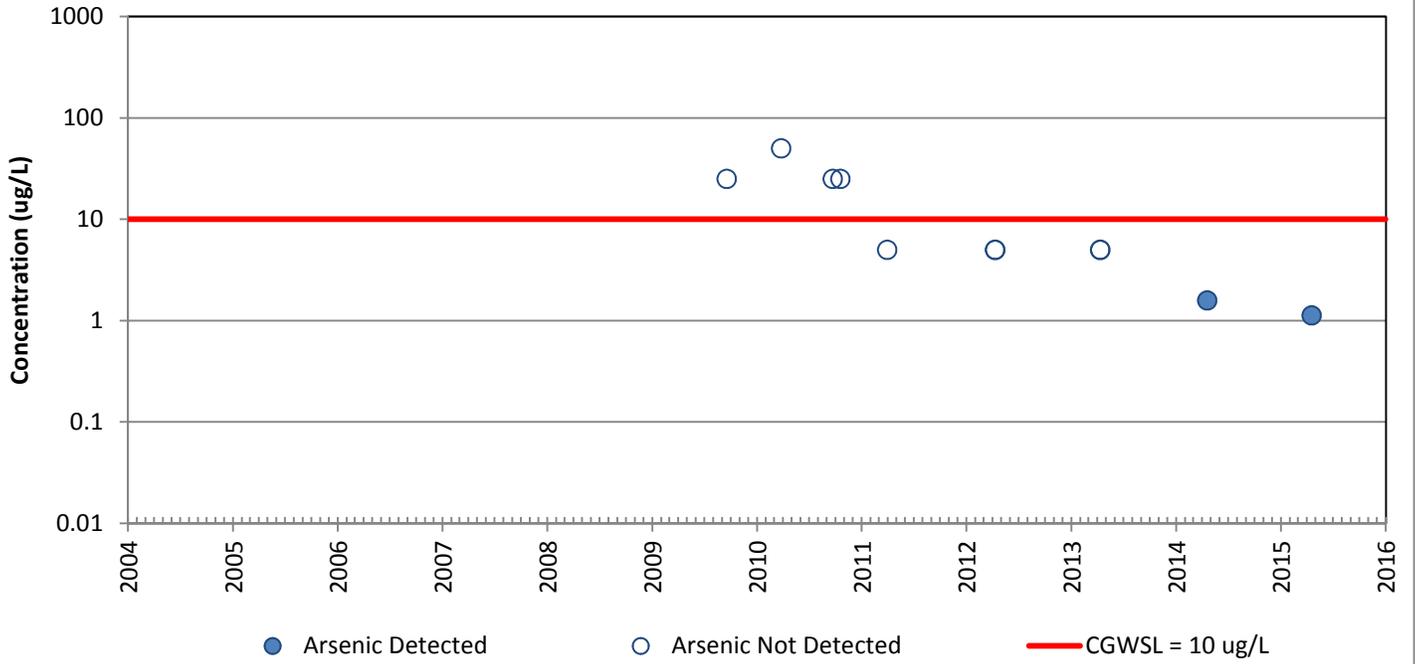


## Naphthalene

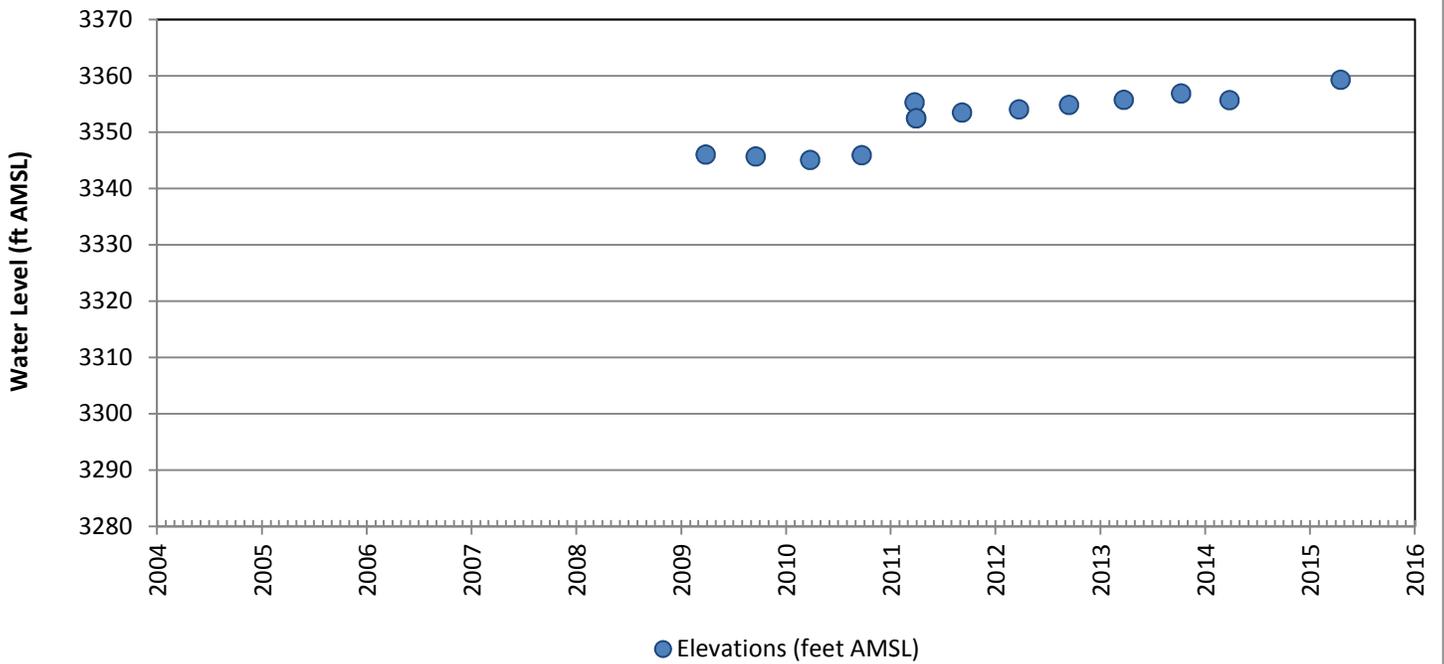


# UG-1

## Arsenic

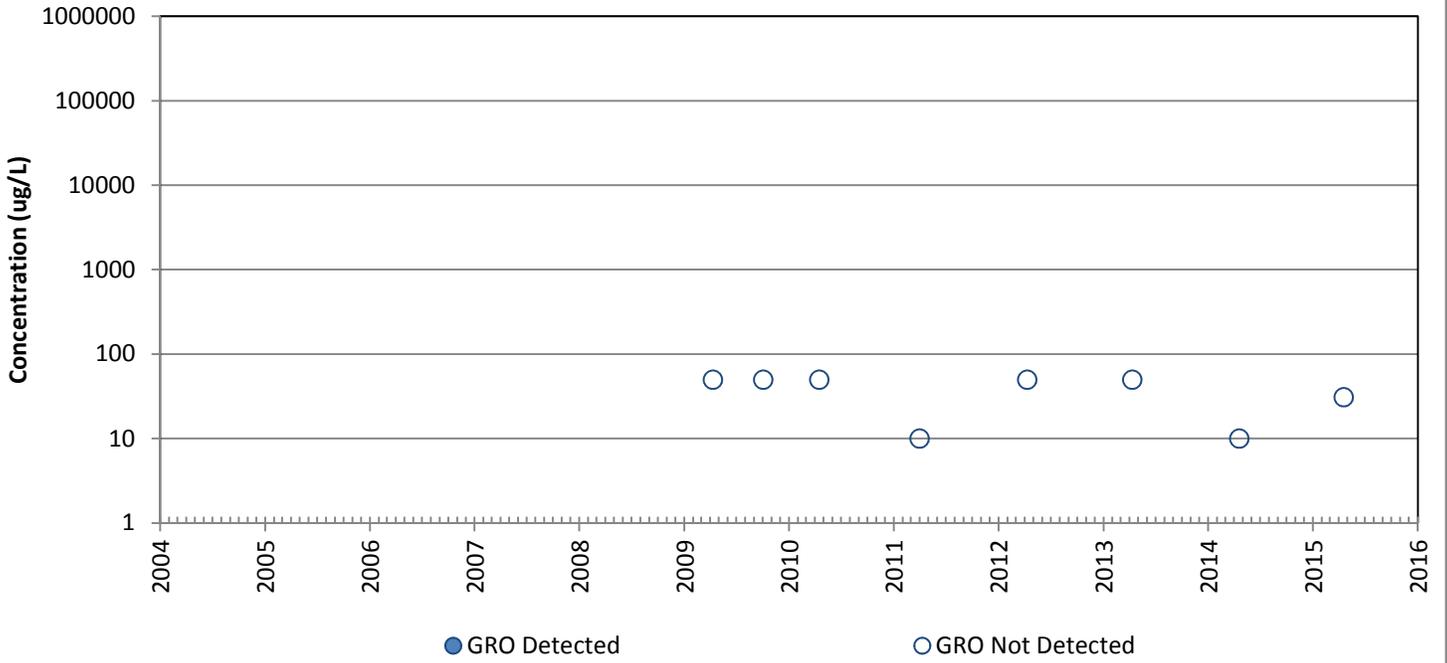


## Water Elevations

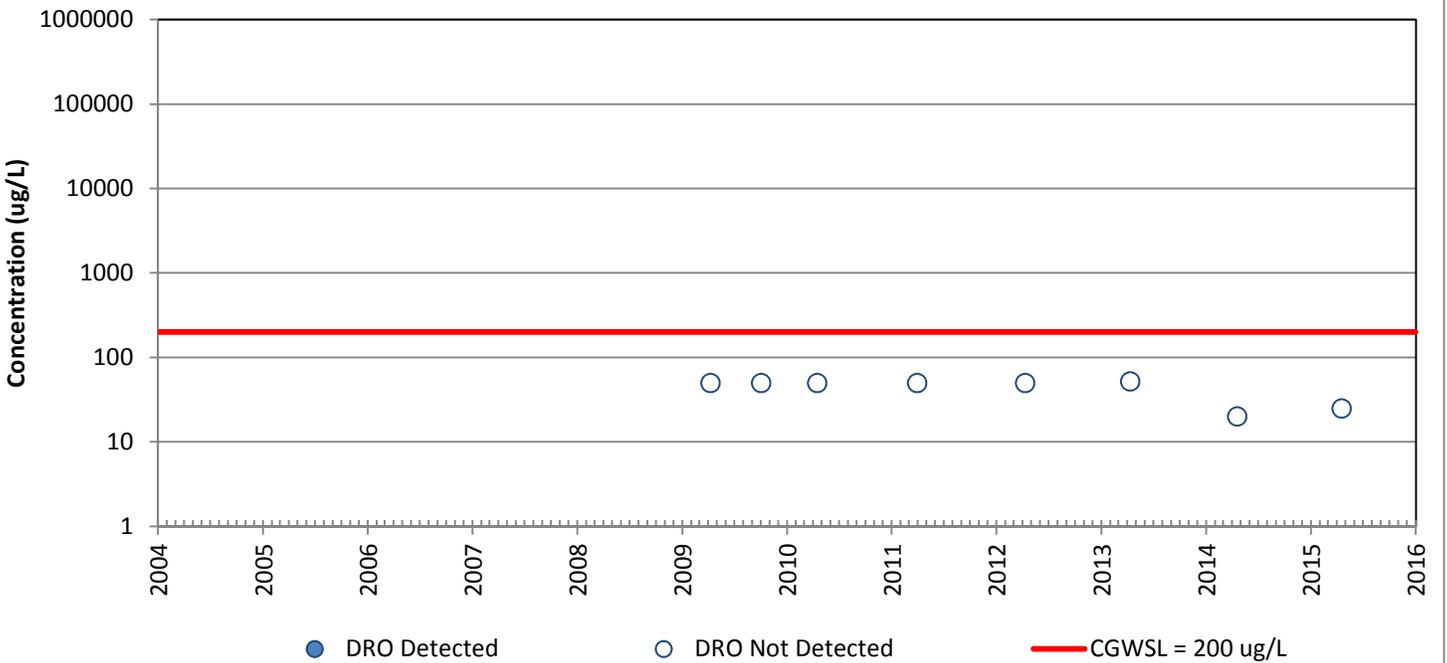


# UG-2

## GRO

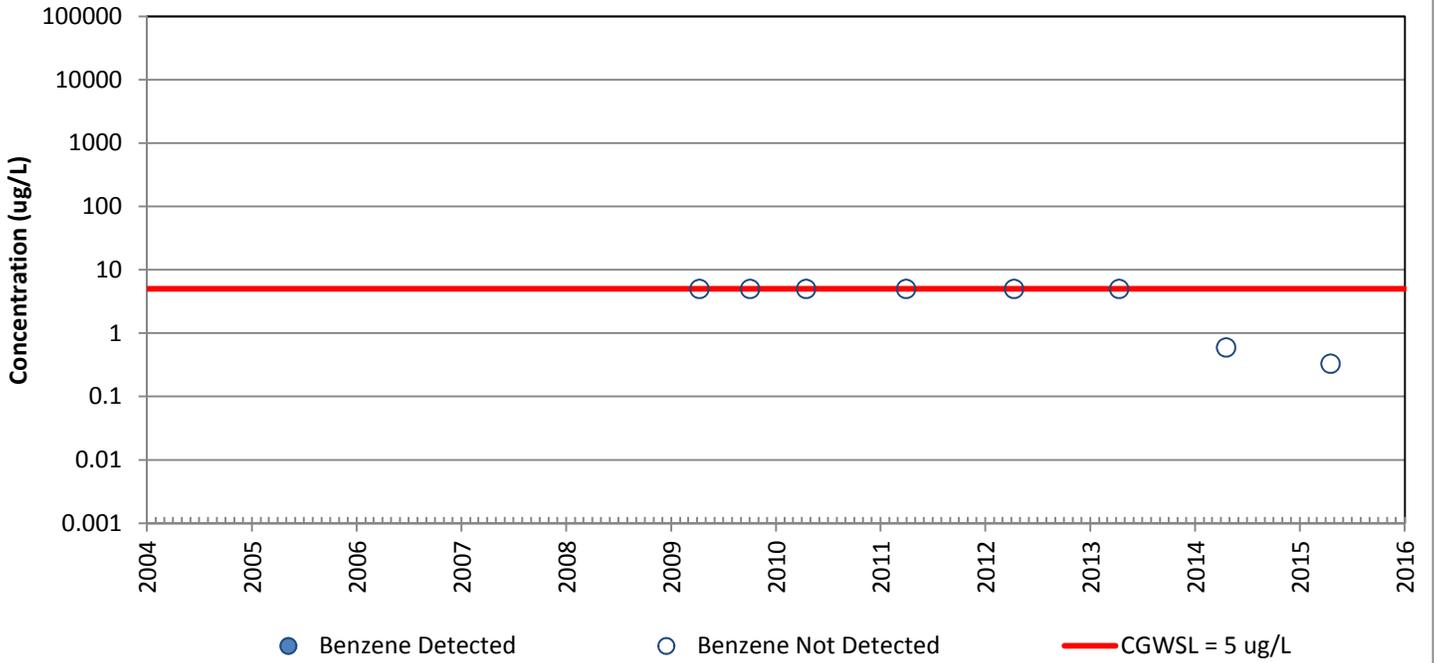


## DRO

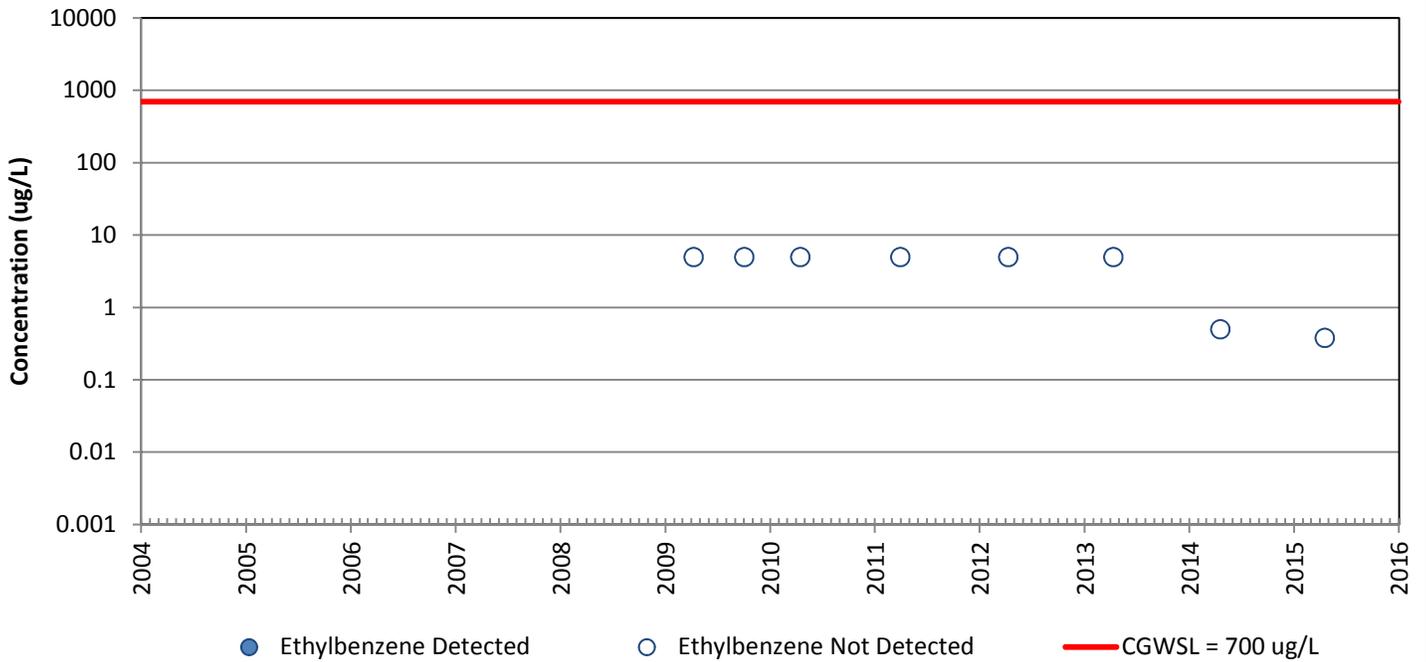


# UG-2

## Benzene

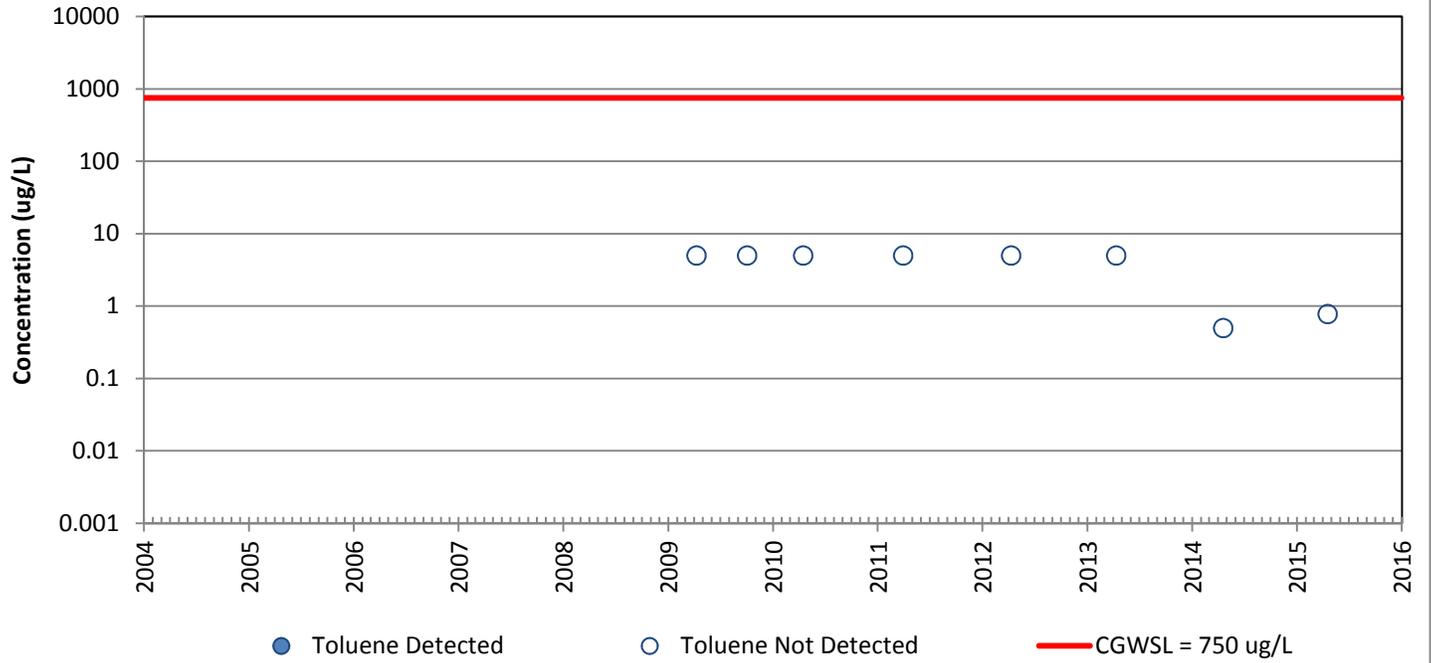


## Ethylbenzene

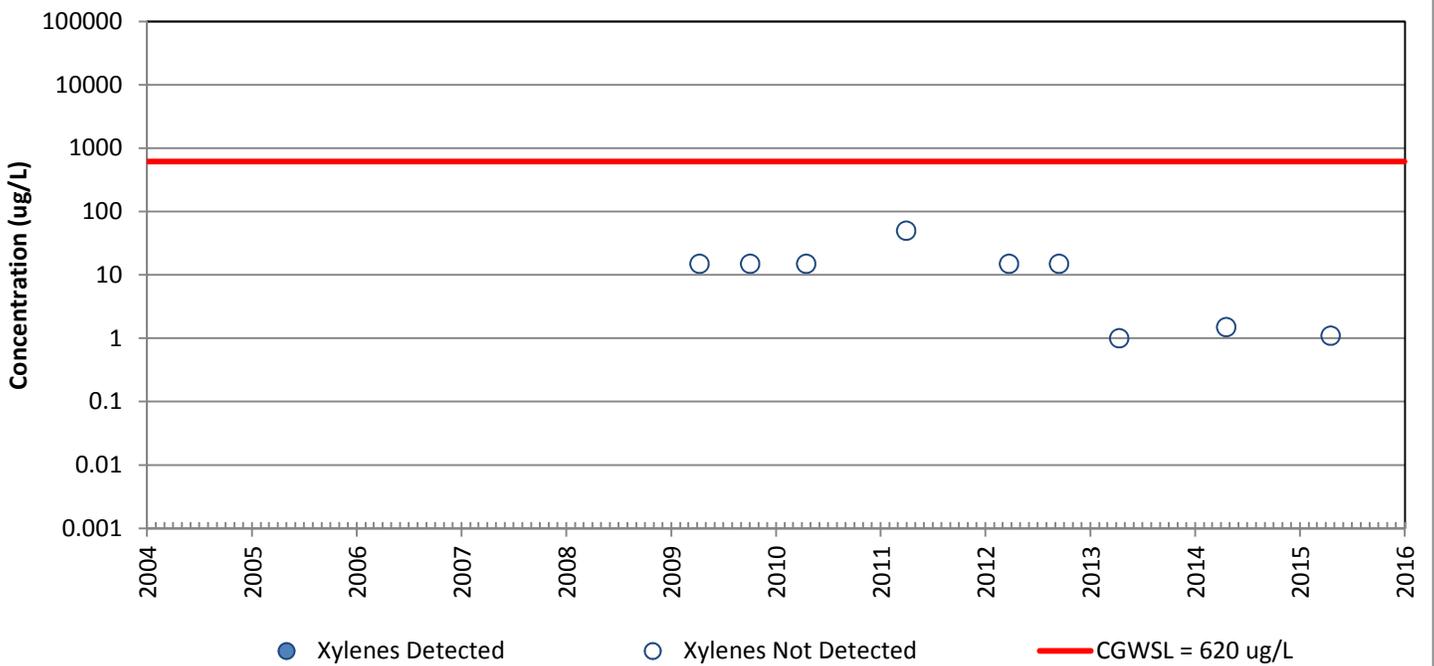


# UG-2

## Toluene

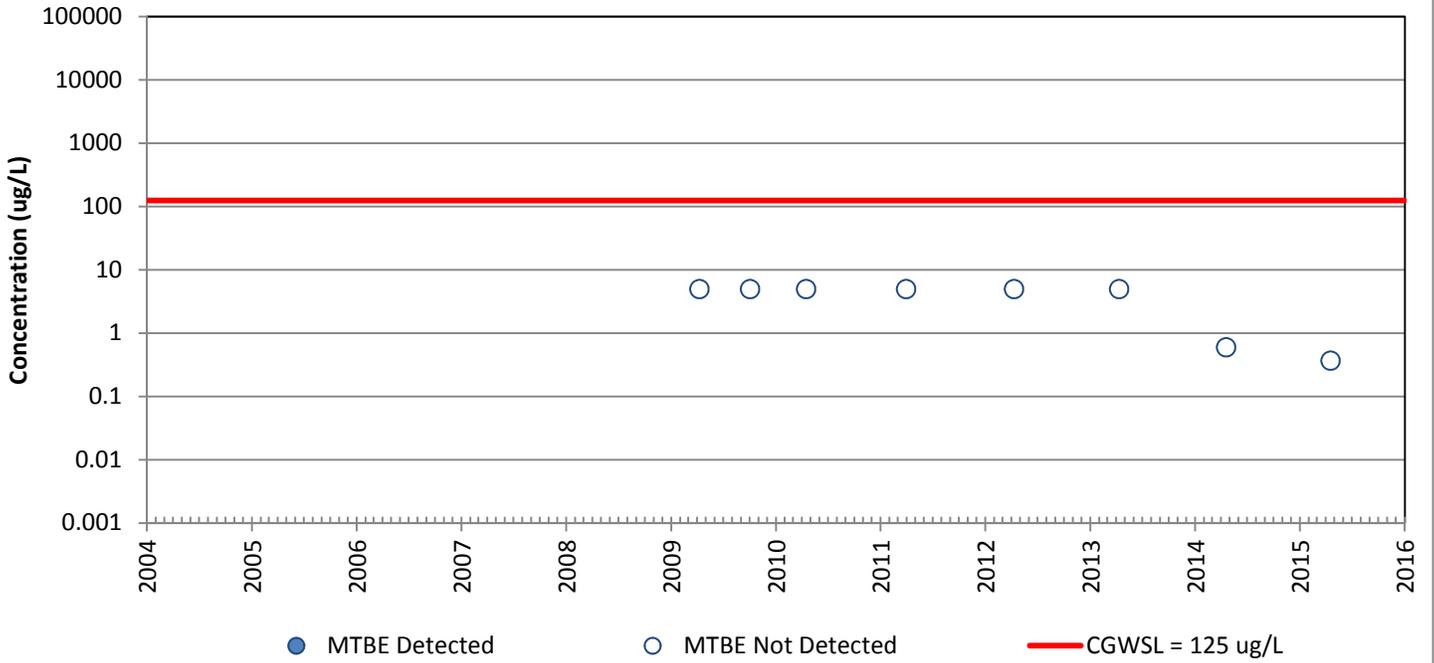


## Xylenes

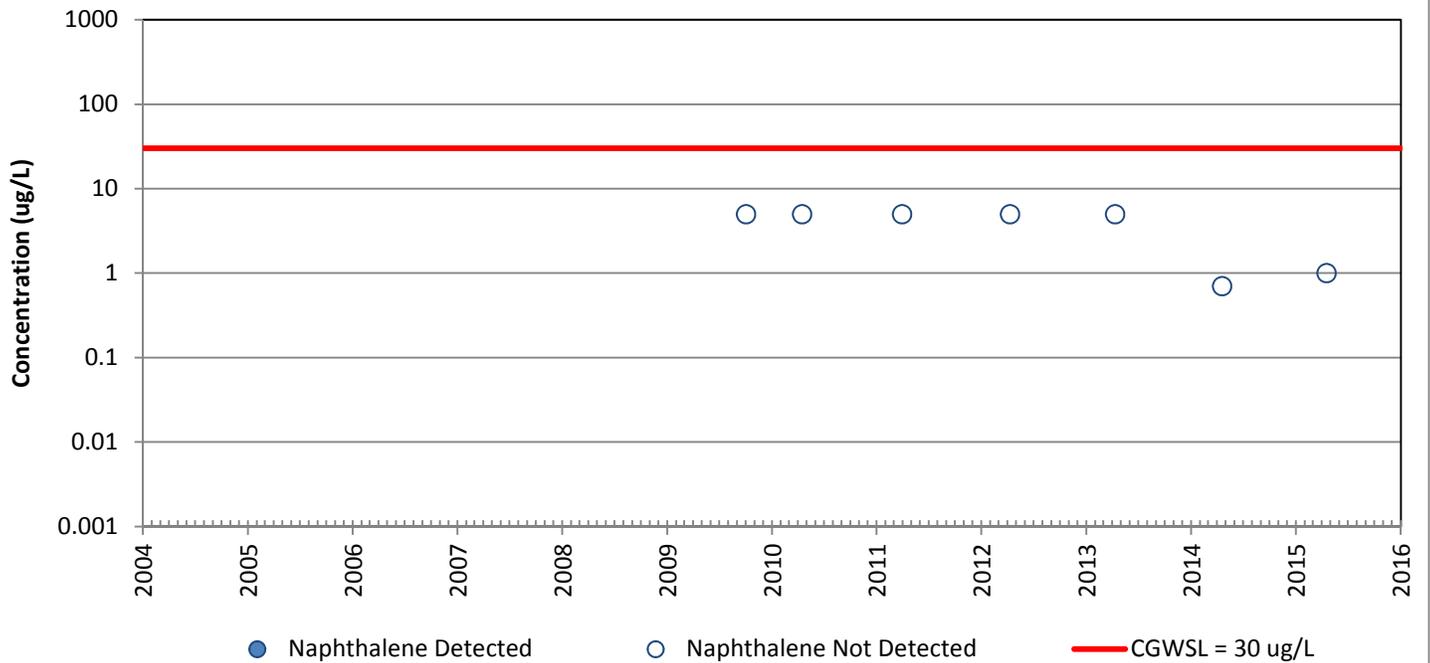


# UG-2

## MTBE

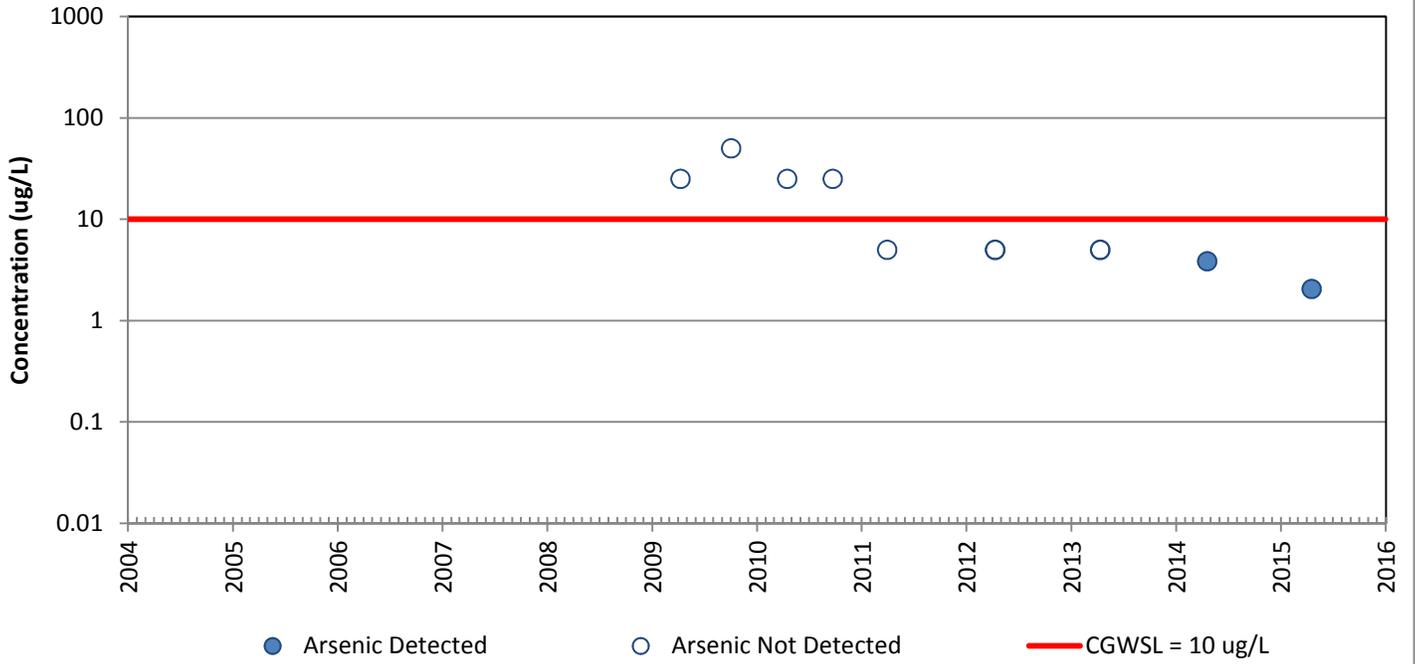


## Naphthalene

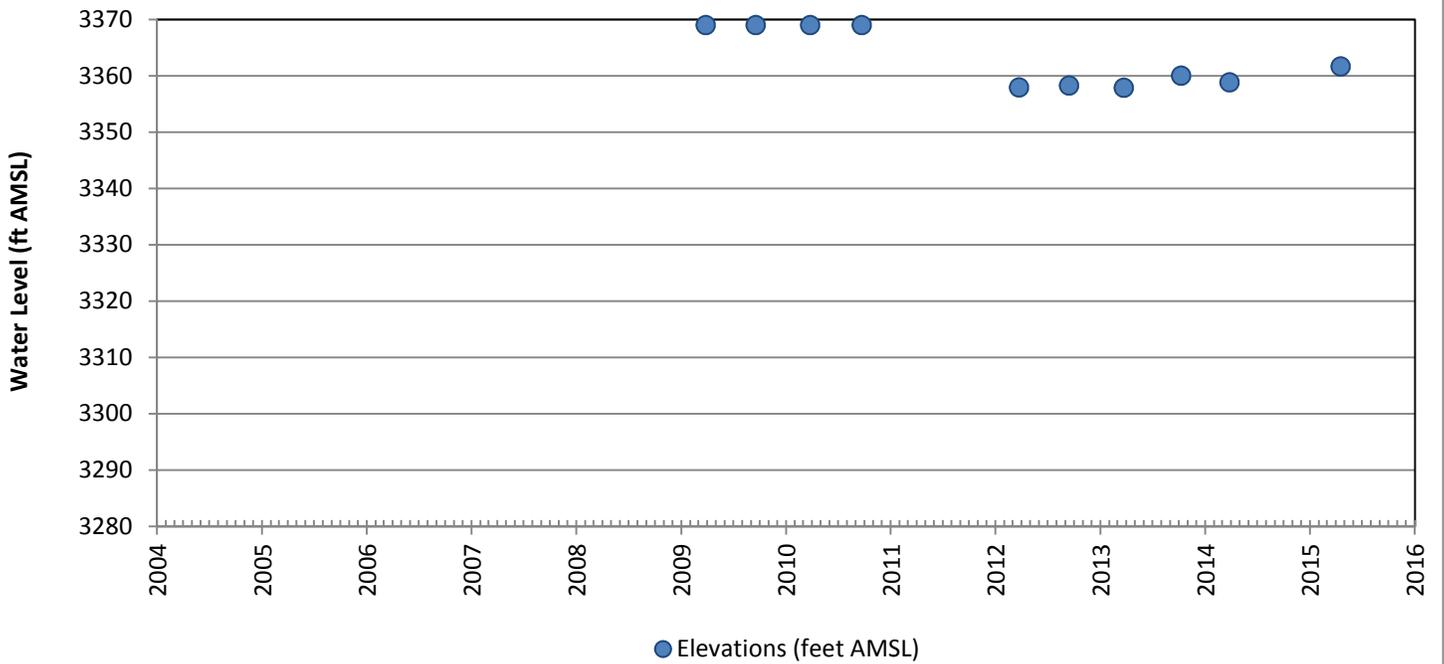


# UG-2

## Arsenic

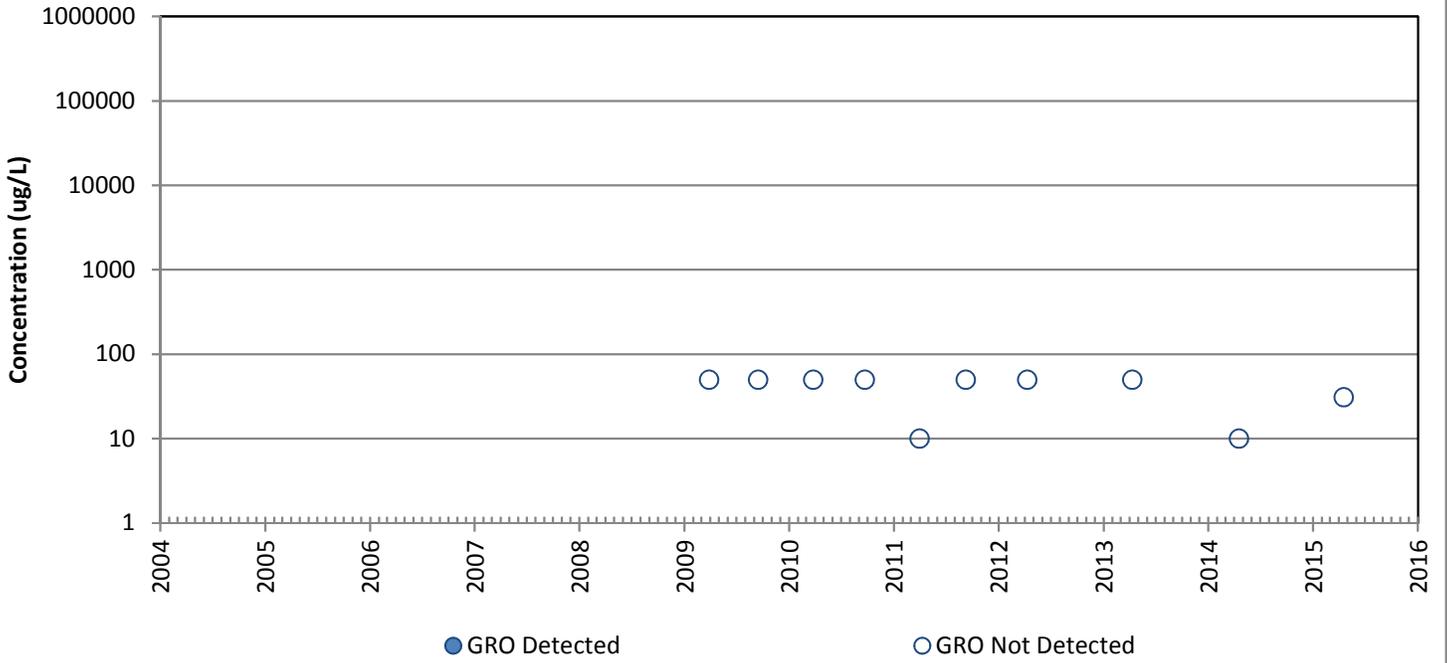


## Water Elevations

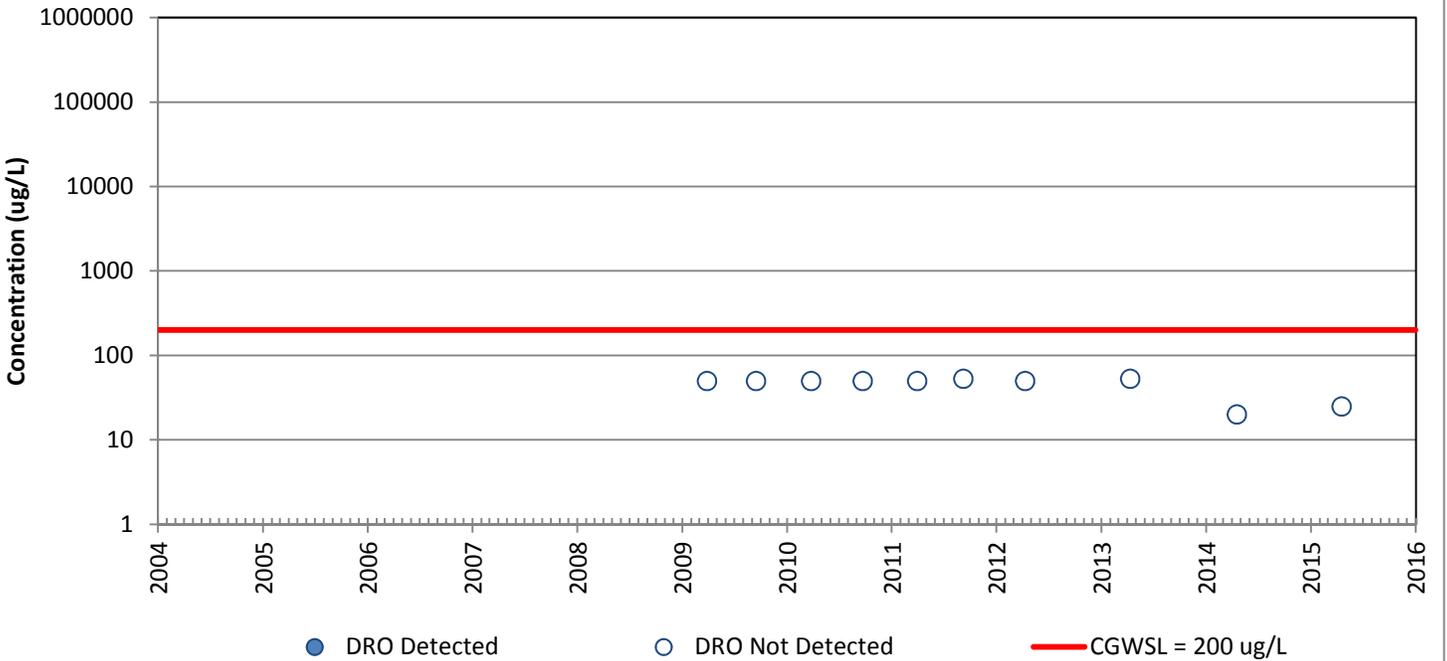


# UG-3R

## GRO

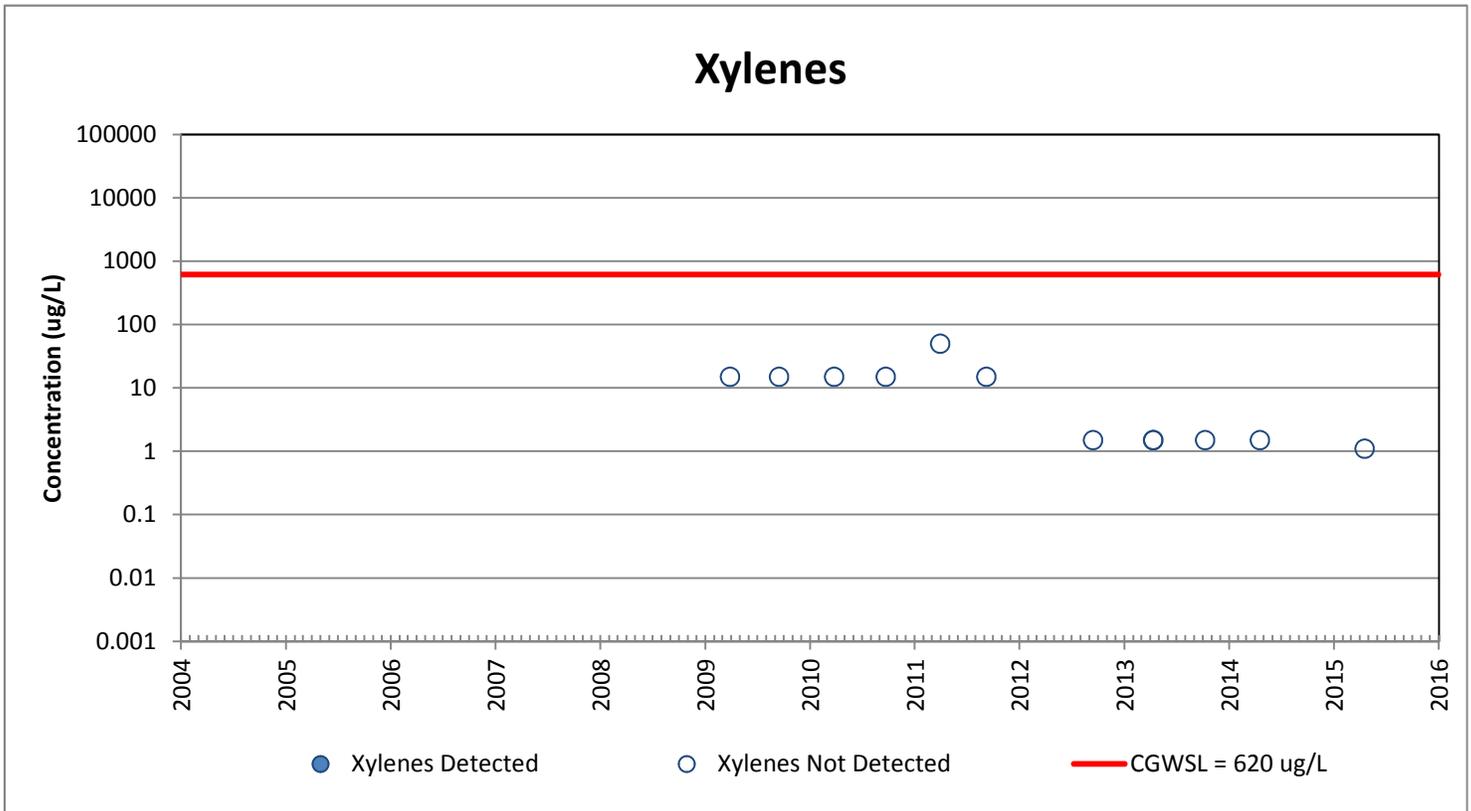
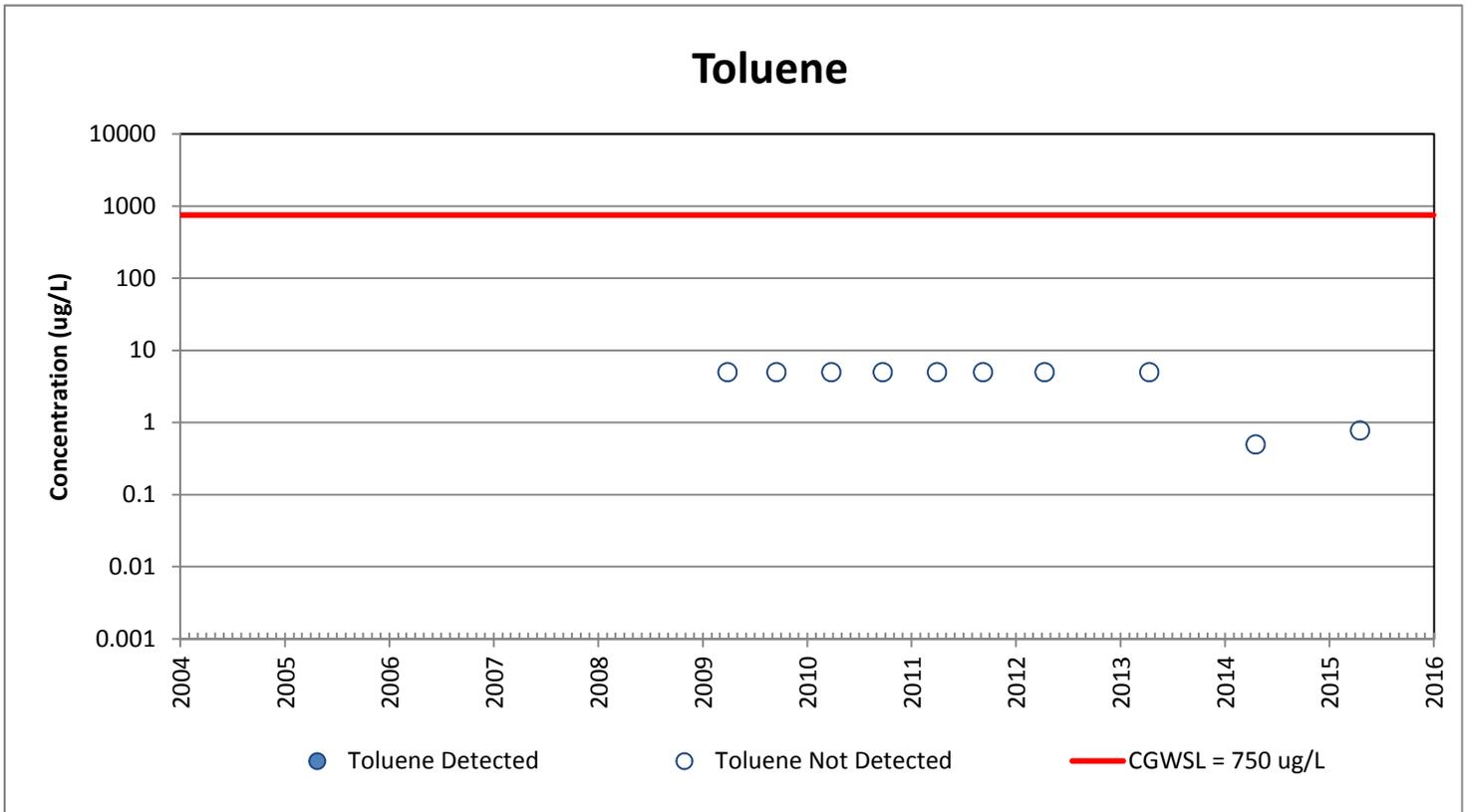


## DRO



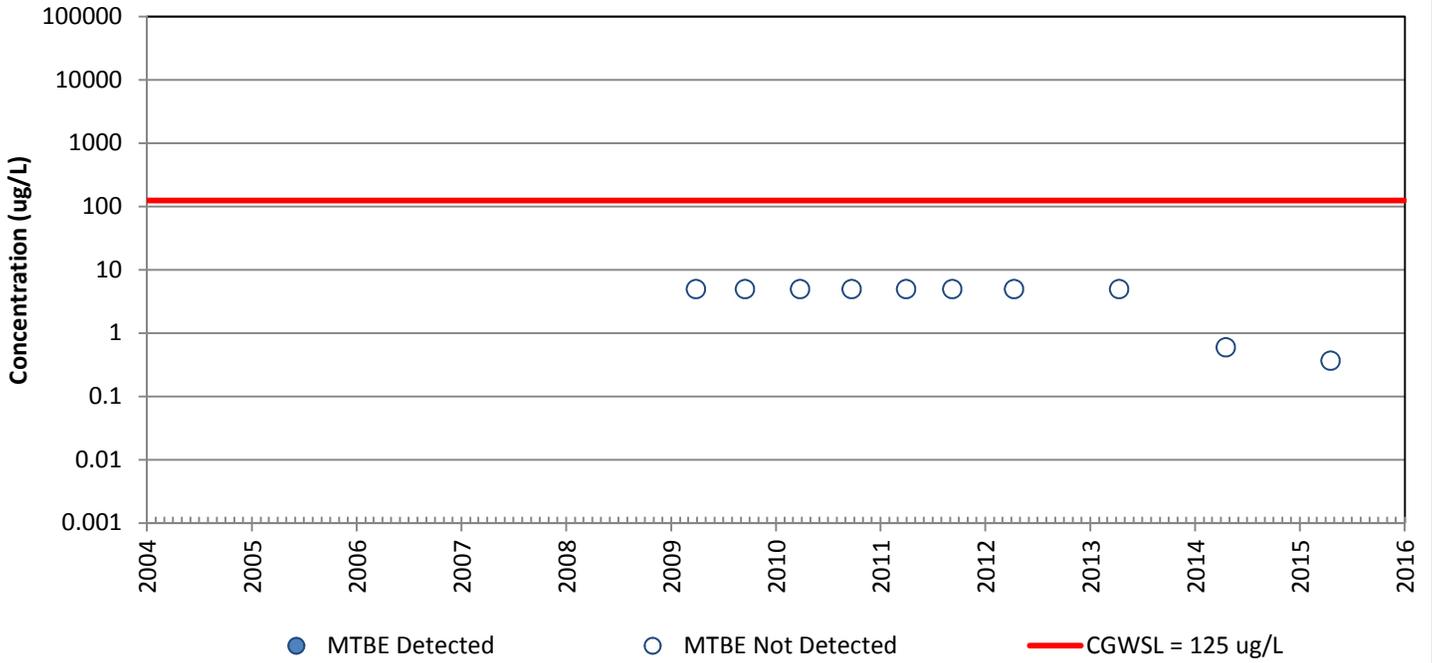


# UG-3R

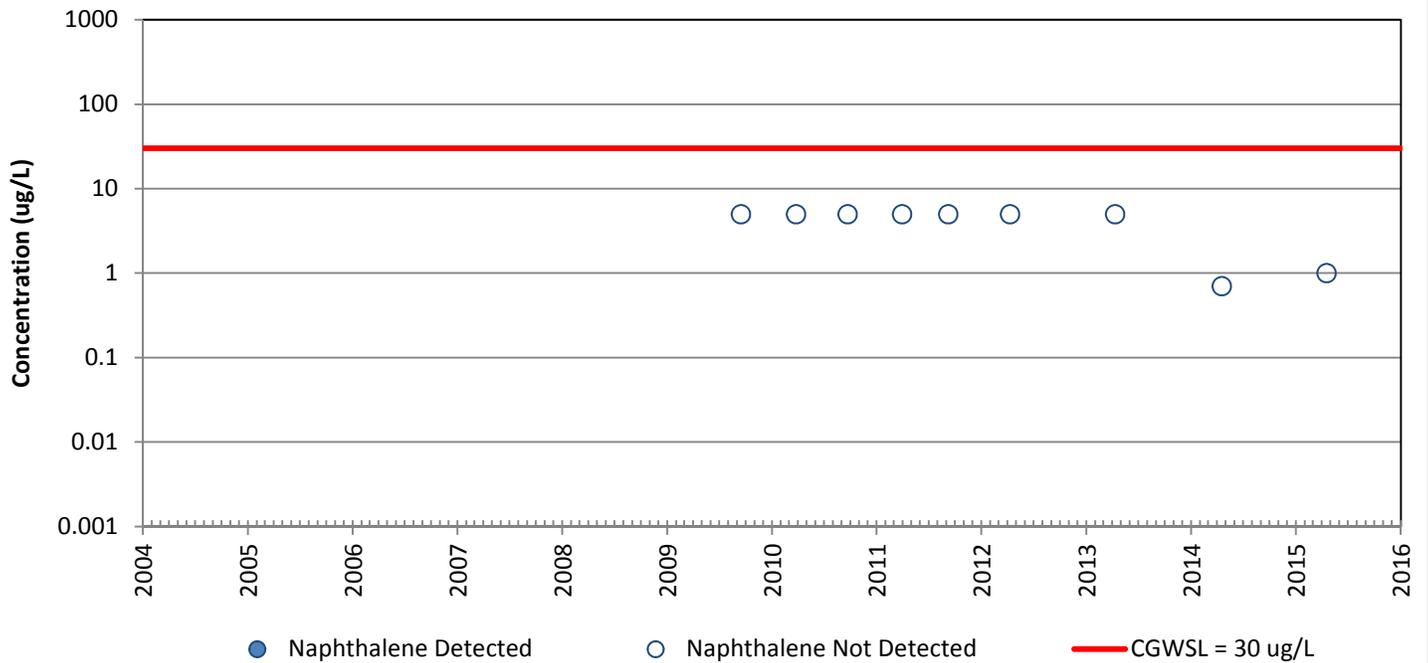


# UG-3R

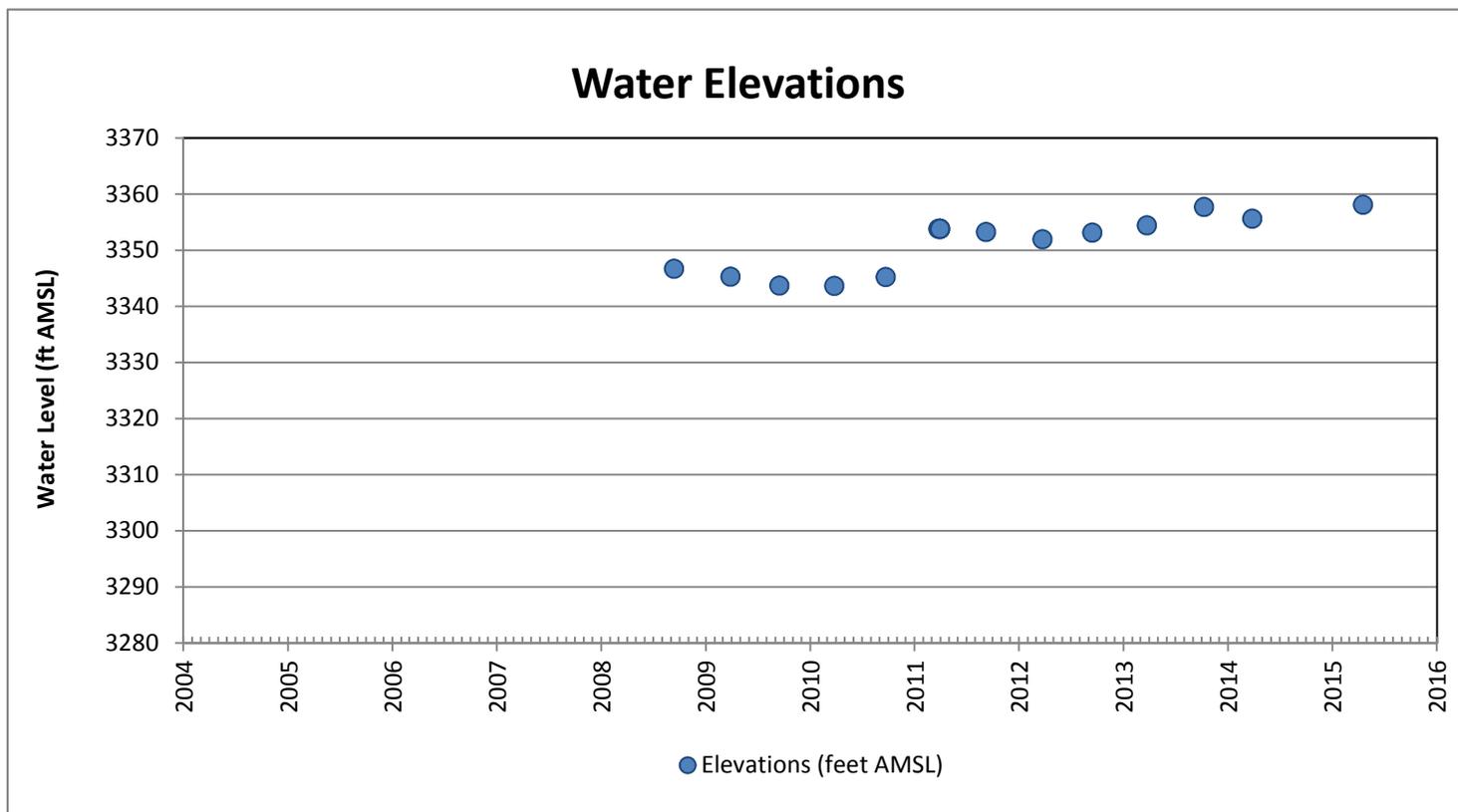
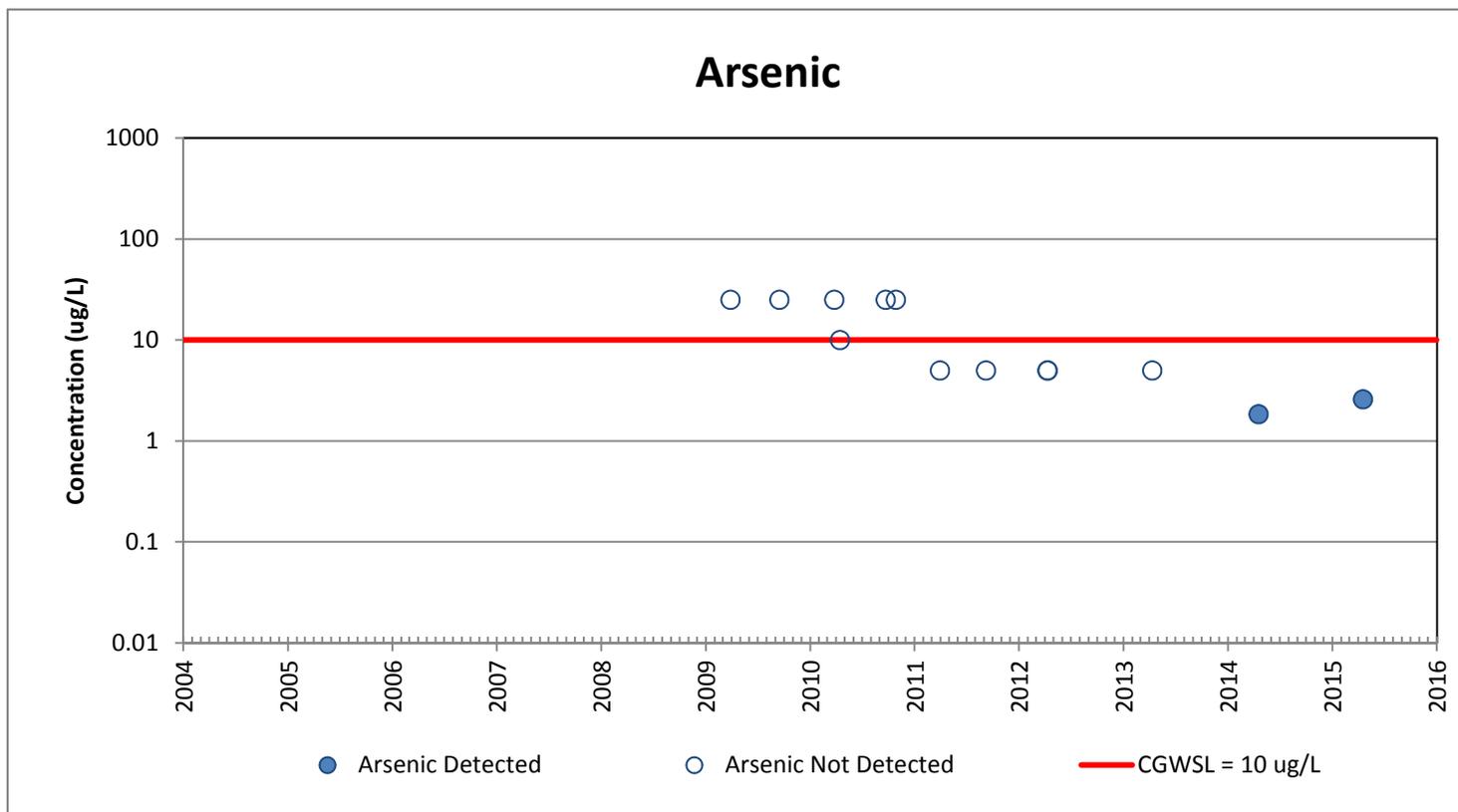
## MTBE



## Naphthalene

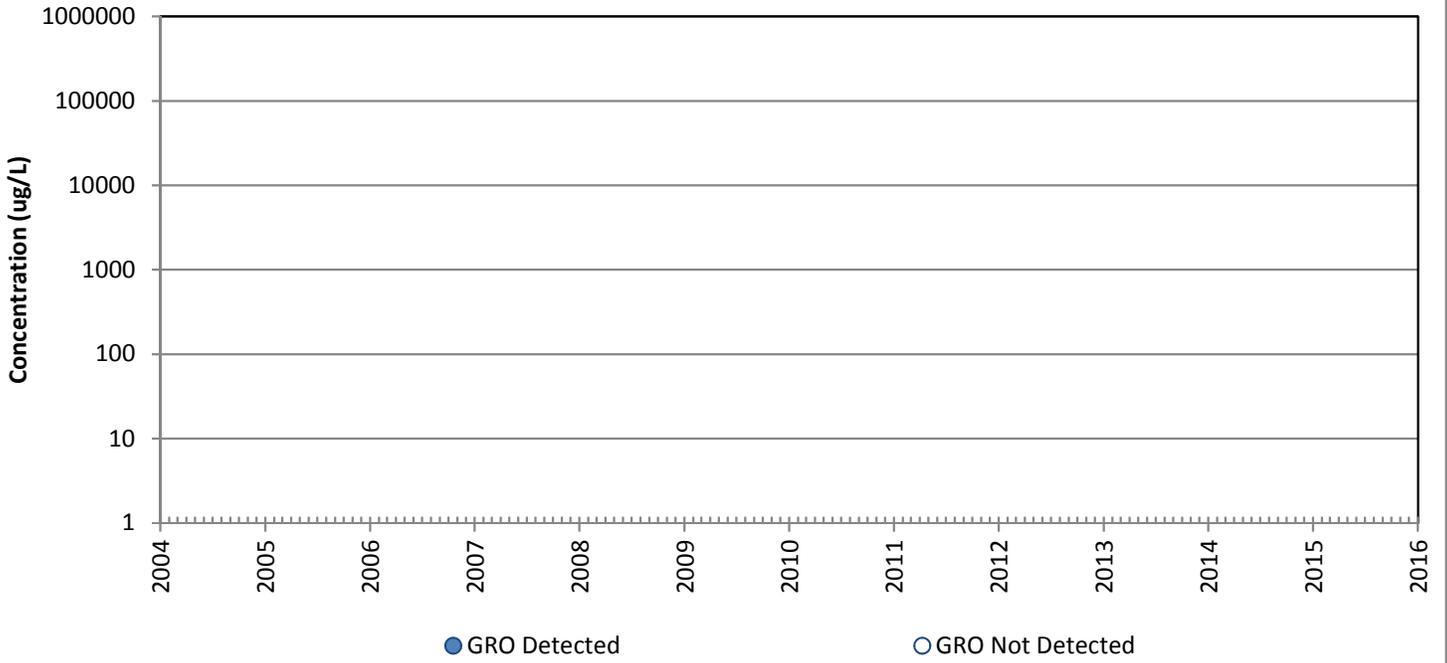


# UG-3R

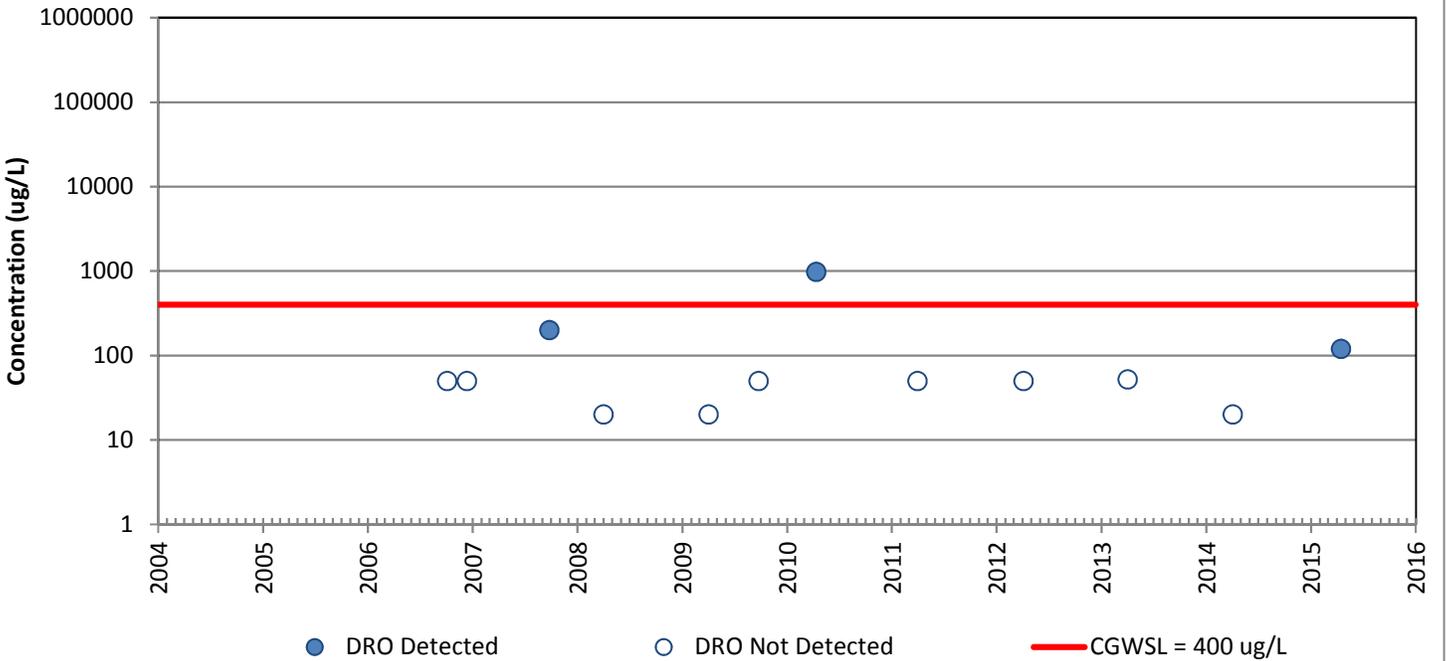


# MW-1R

## GRO

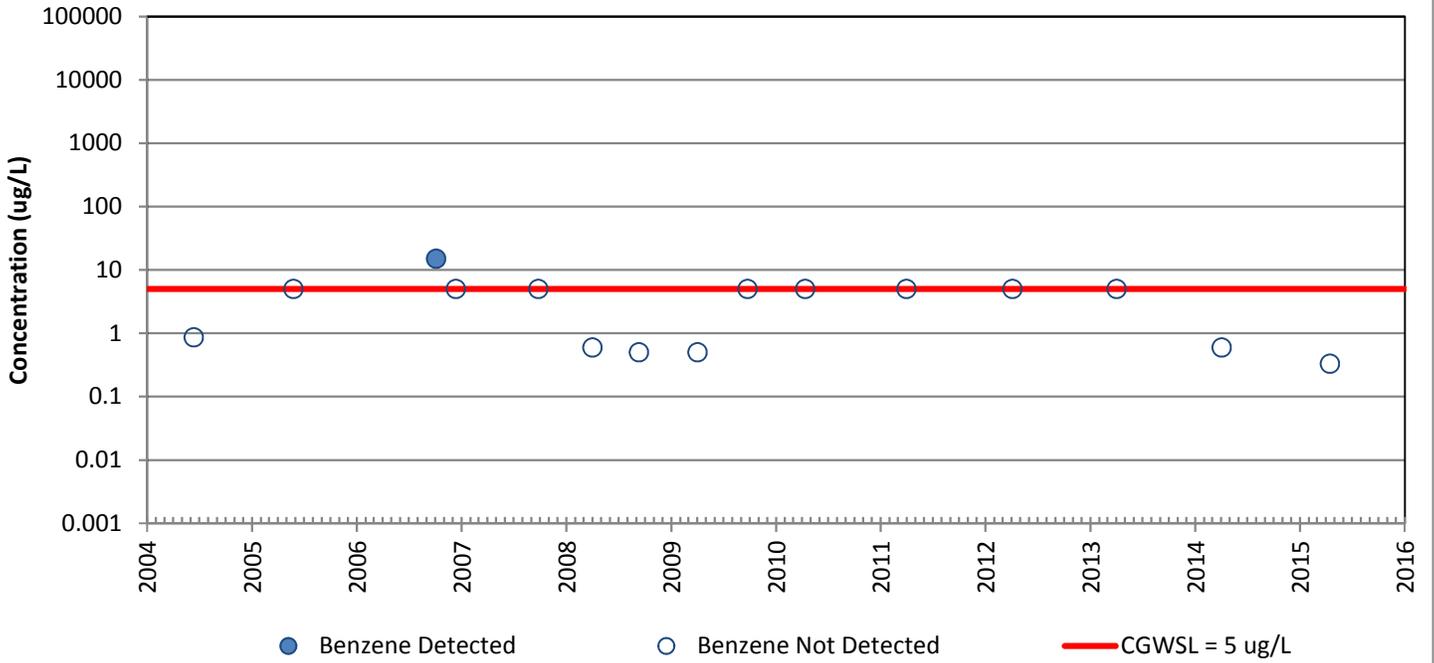


## DRO

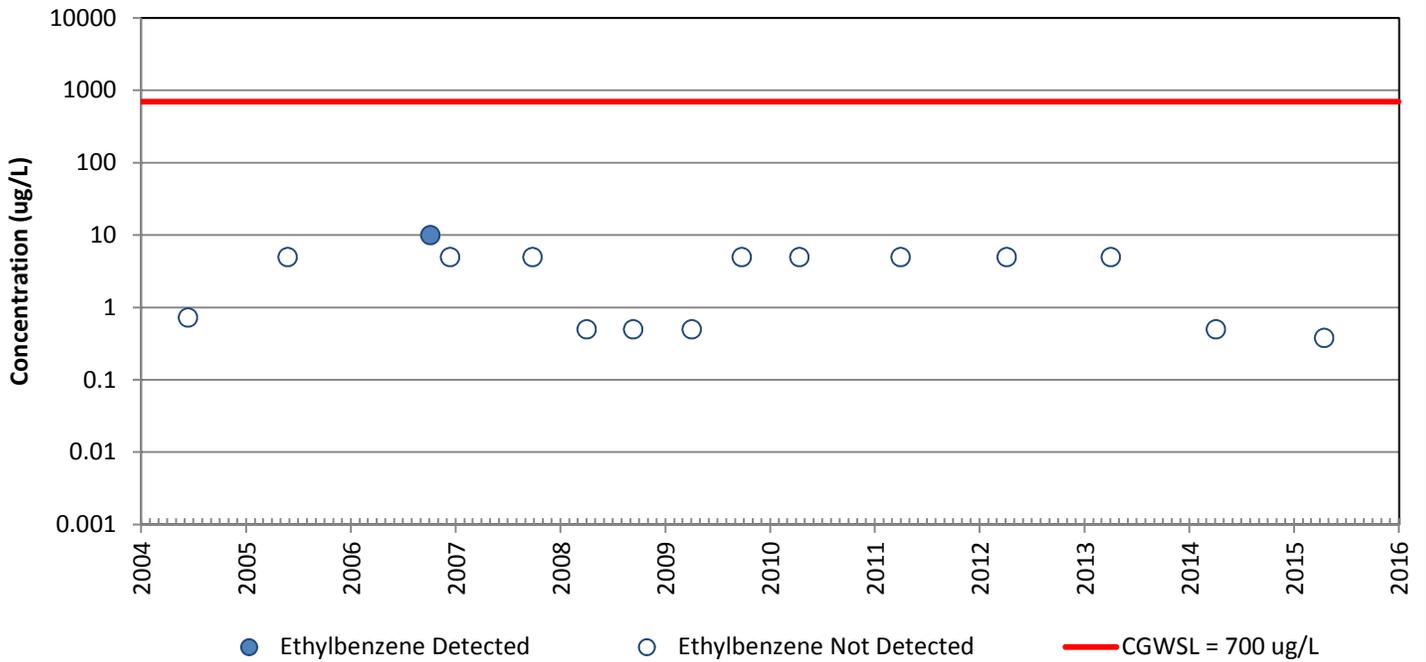


# MW-1R

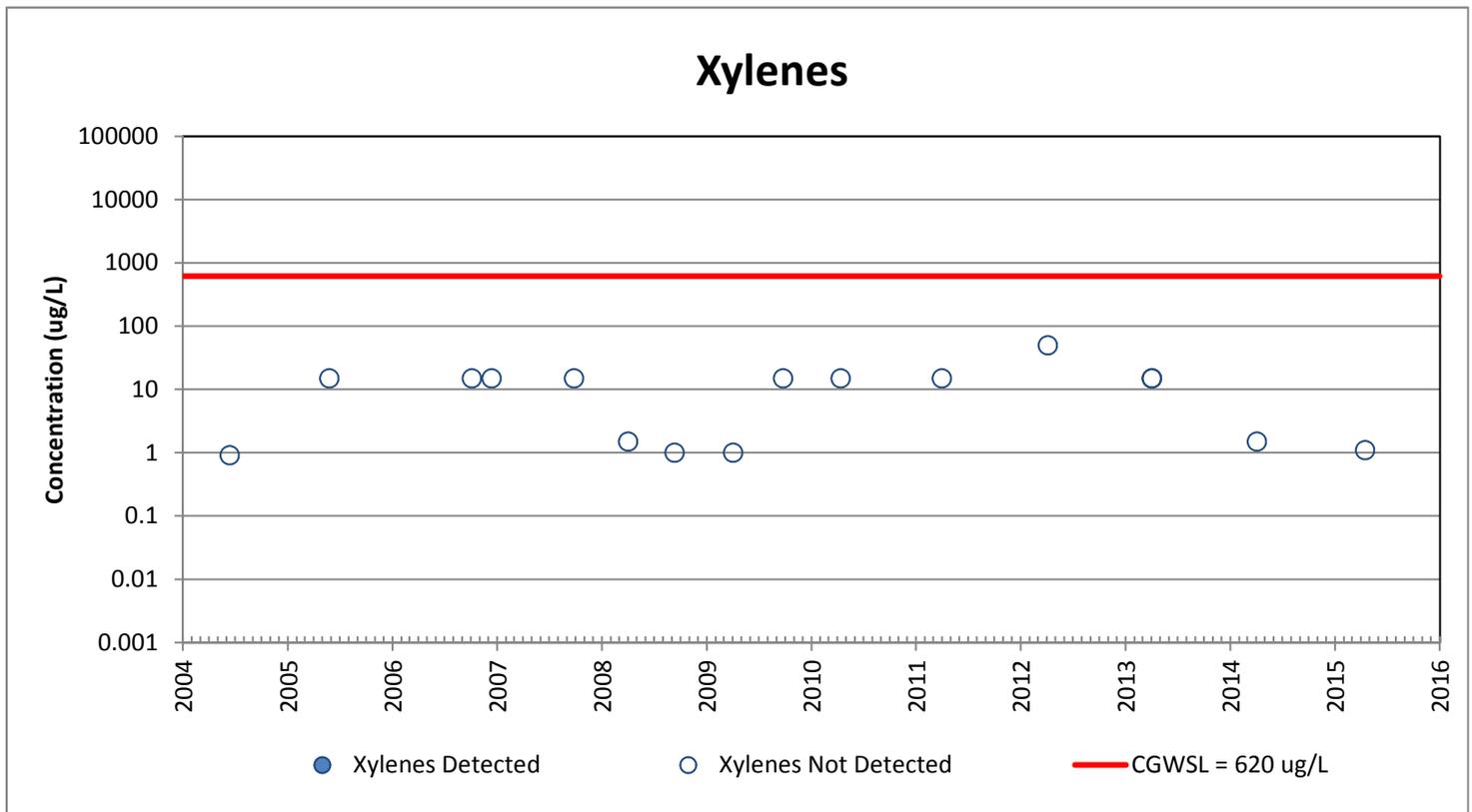
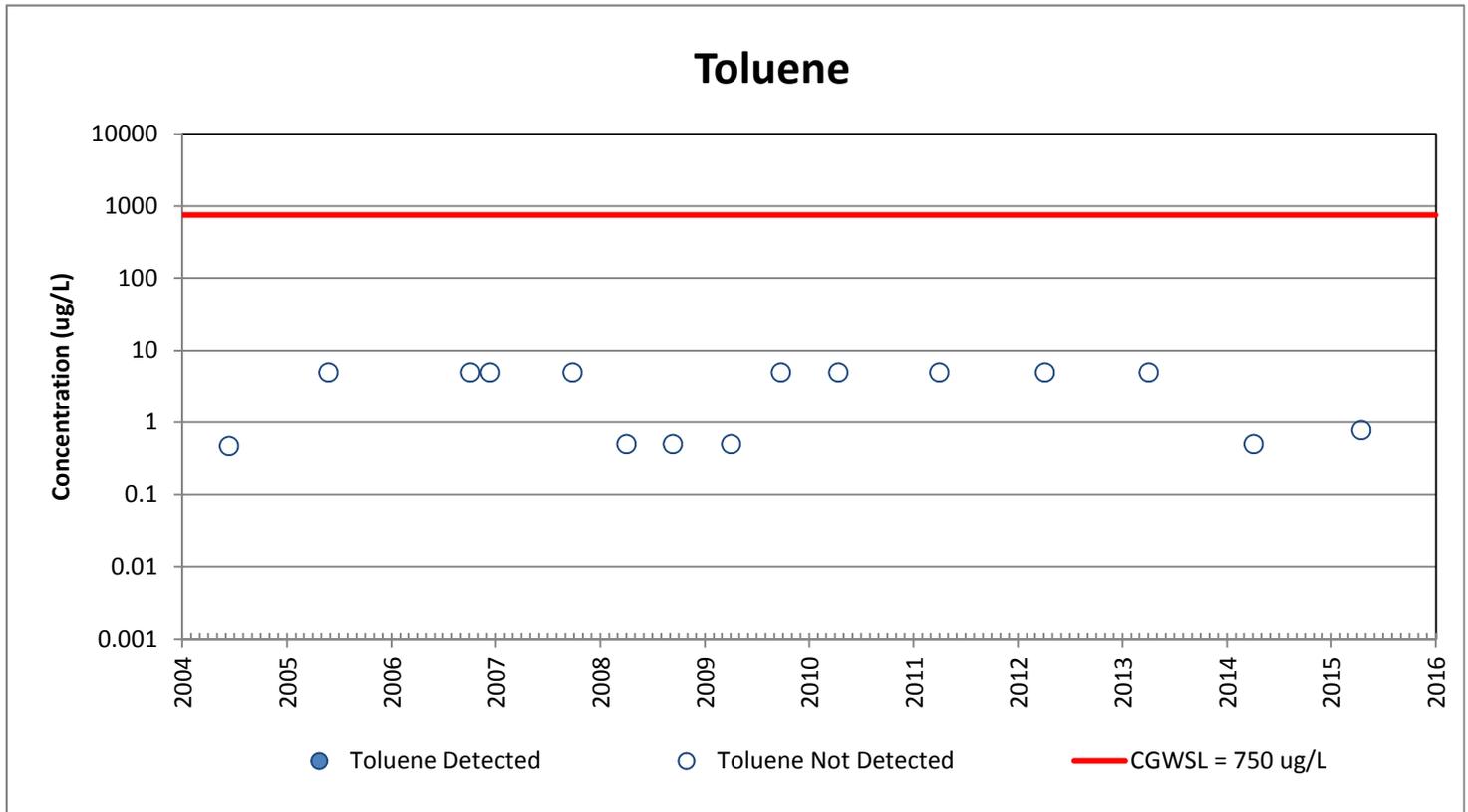
## Benzene



## Ethylbenzene

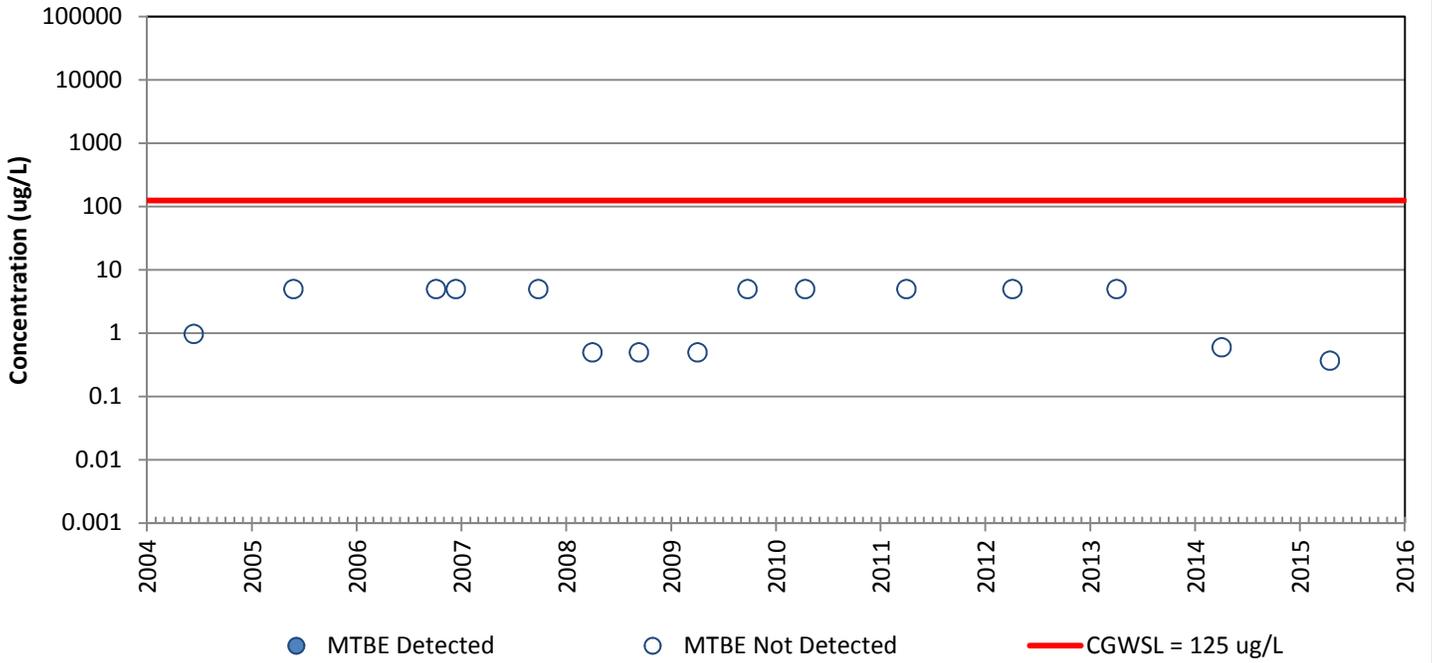


# MW-1R

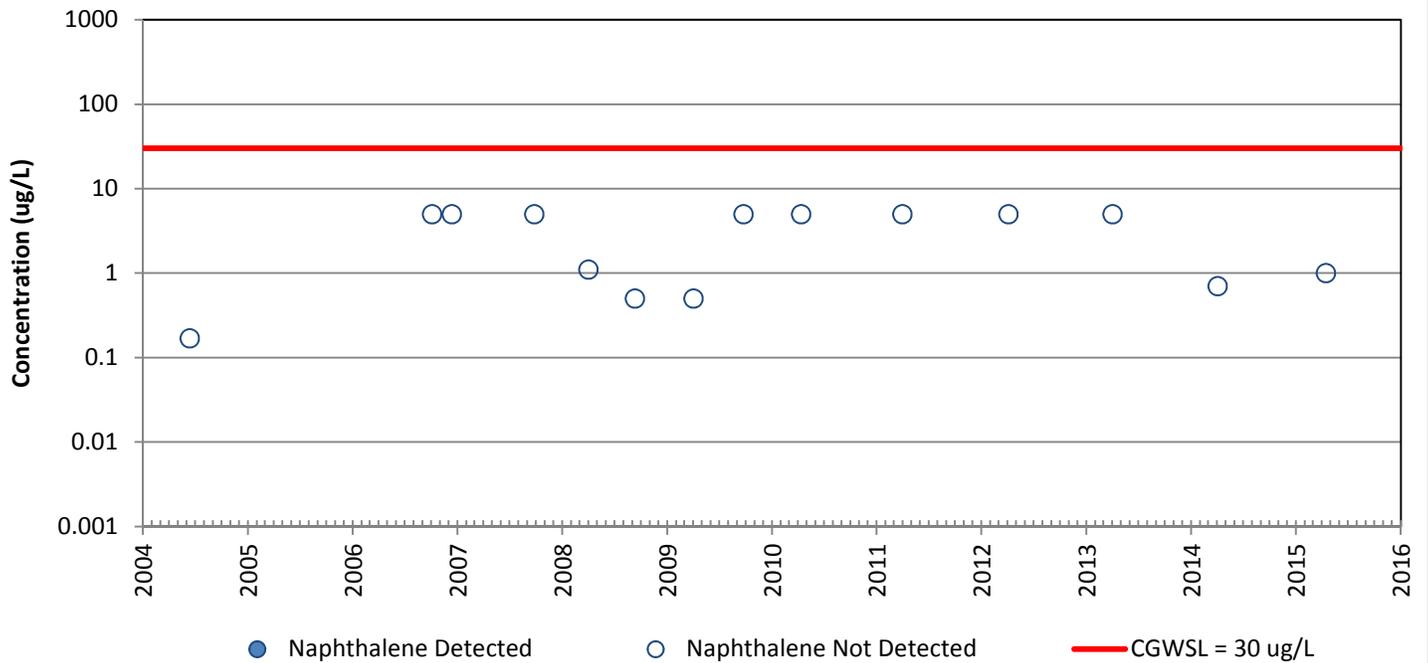


# MW-1R

## MTBE

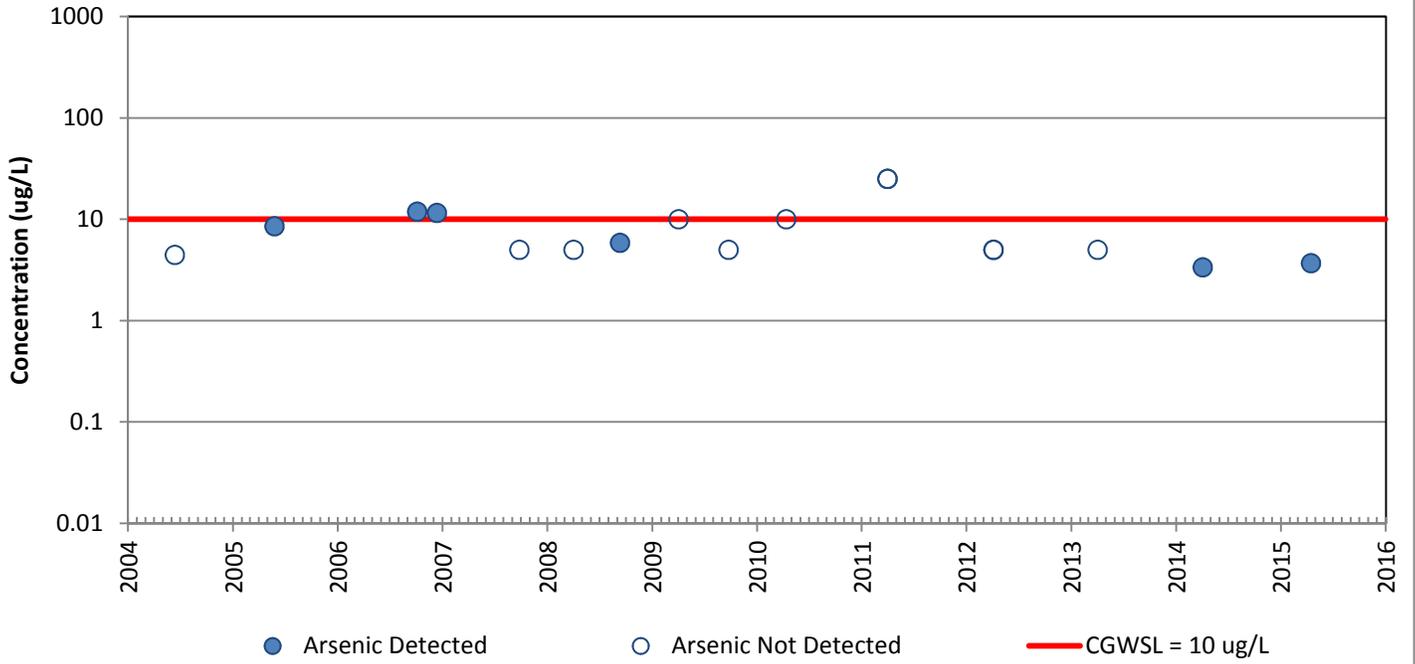


## Naphthalene

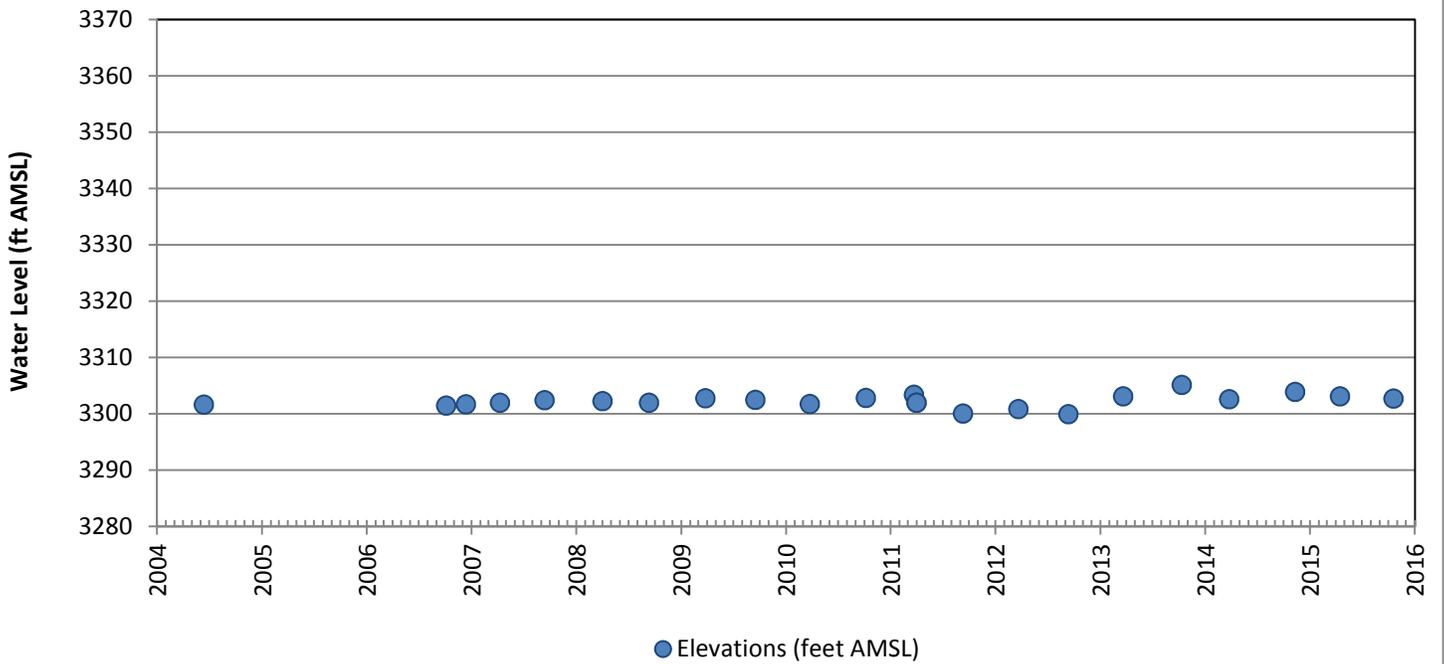


# MW-1R

## Arsenic

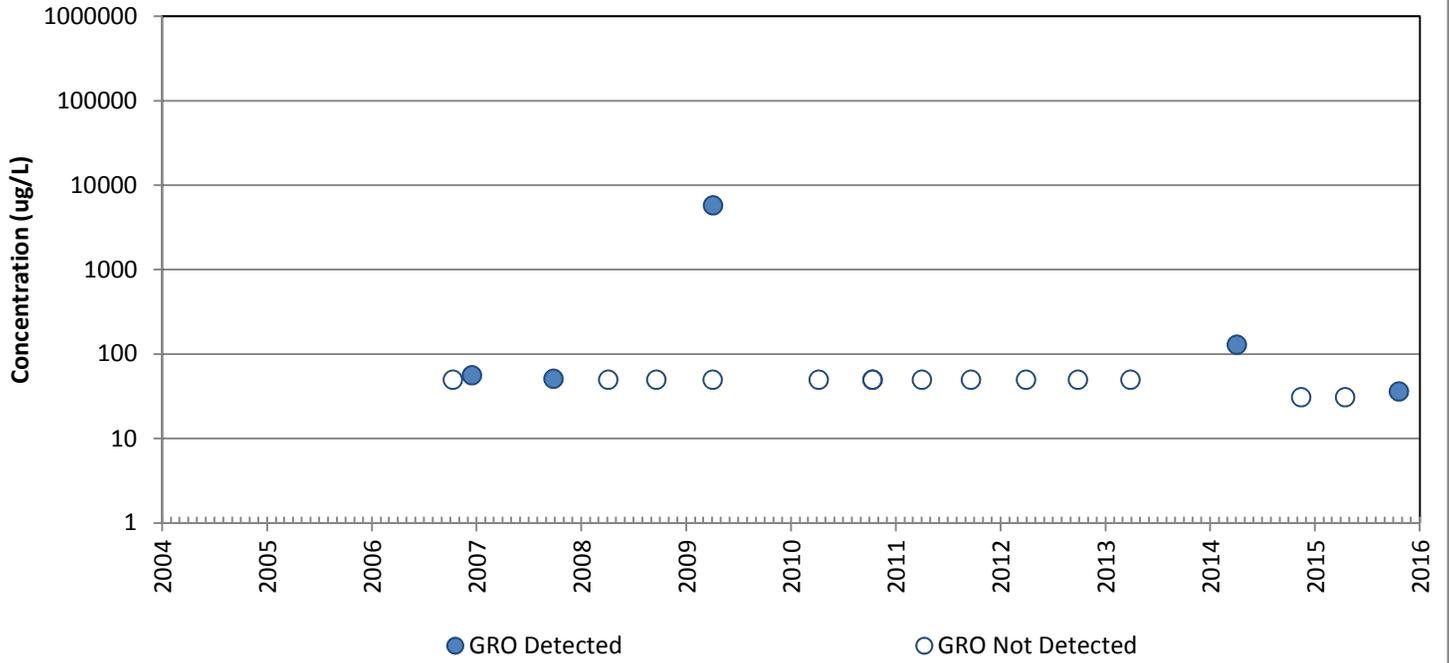


## Water Elevations

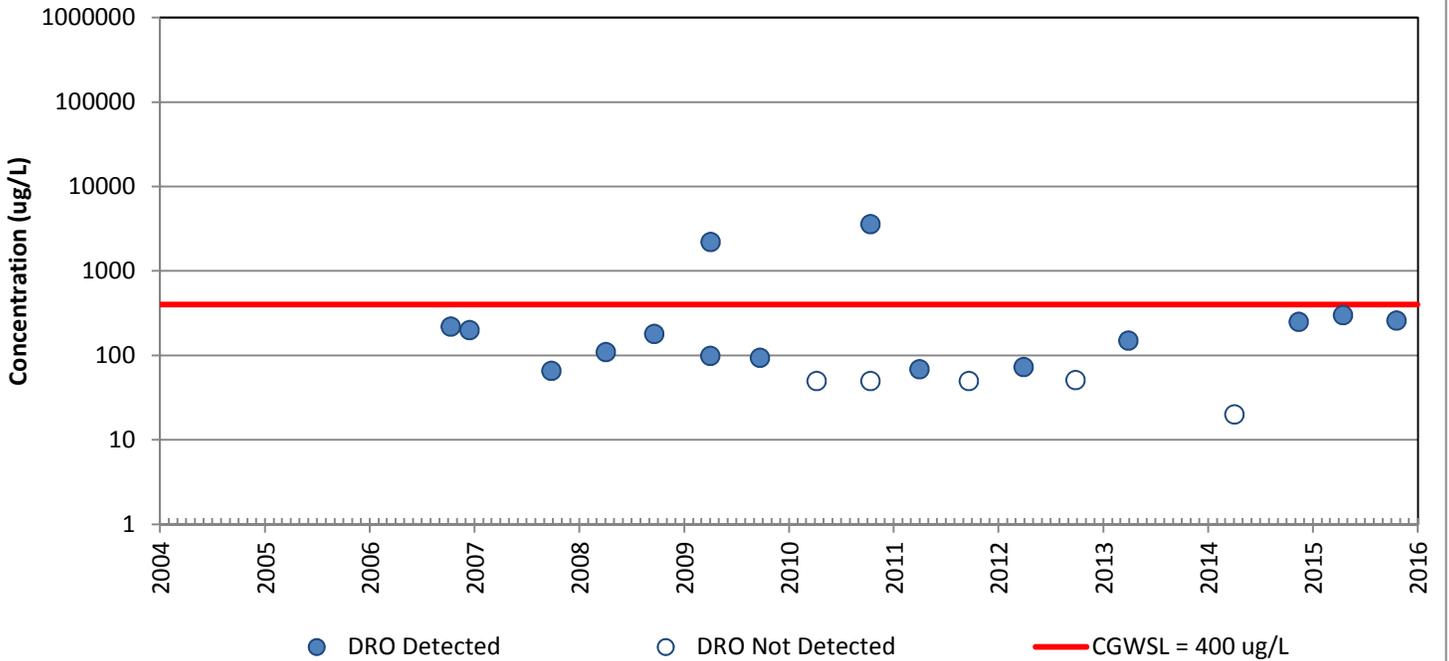


# MW-2A

## GRO

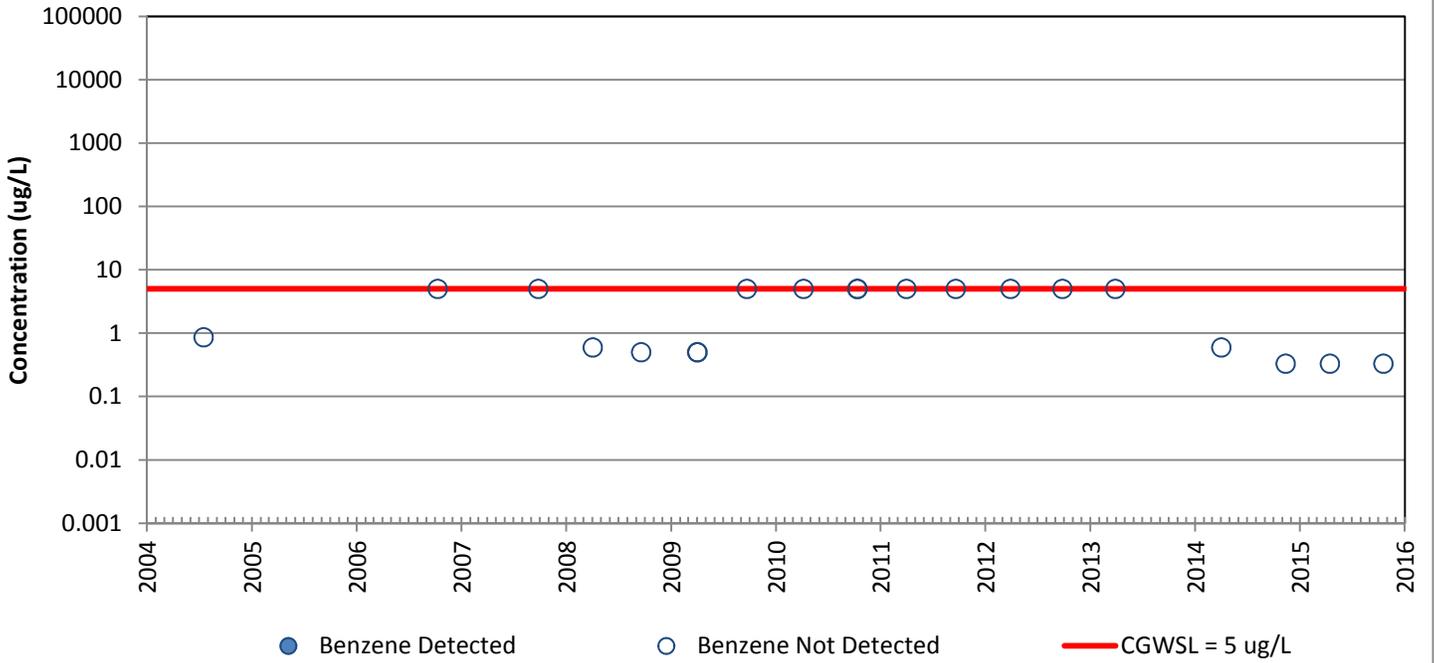


## DRO

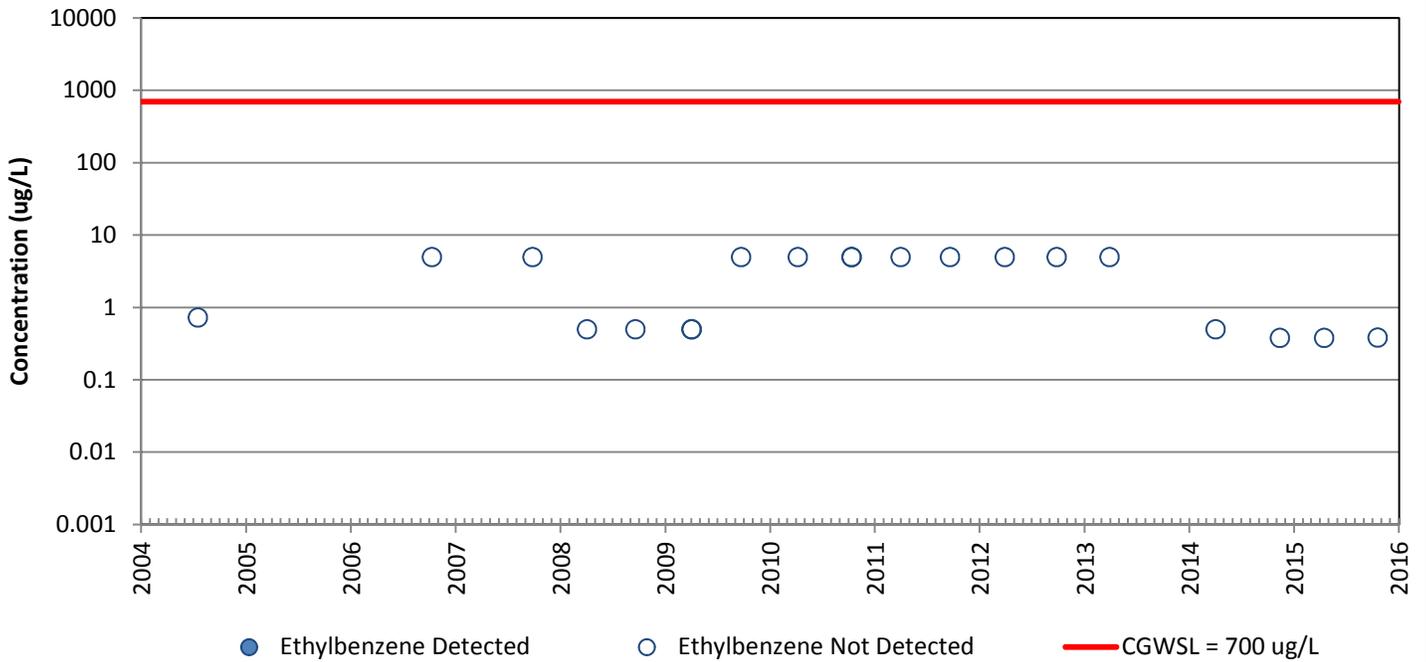


# MW-2A

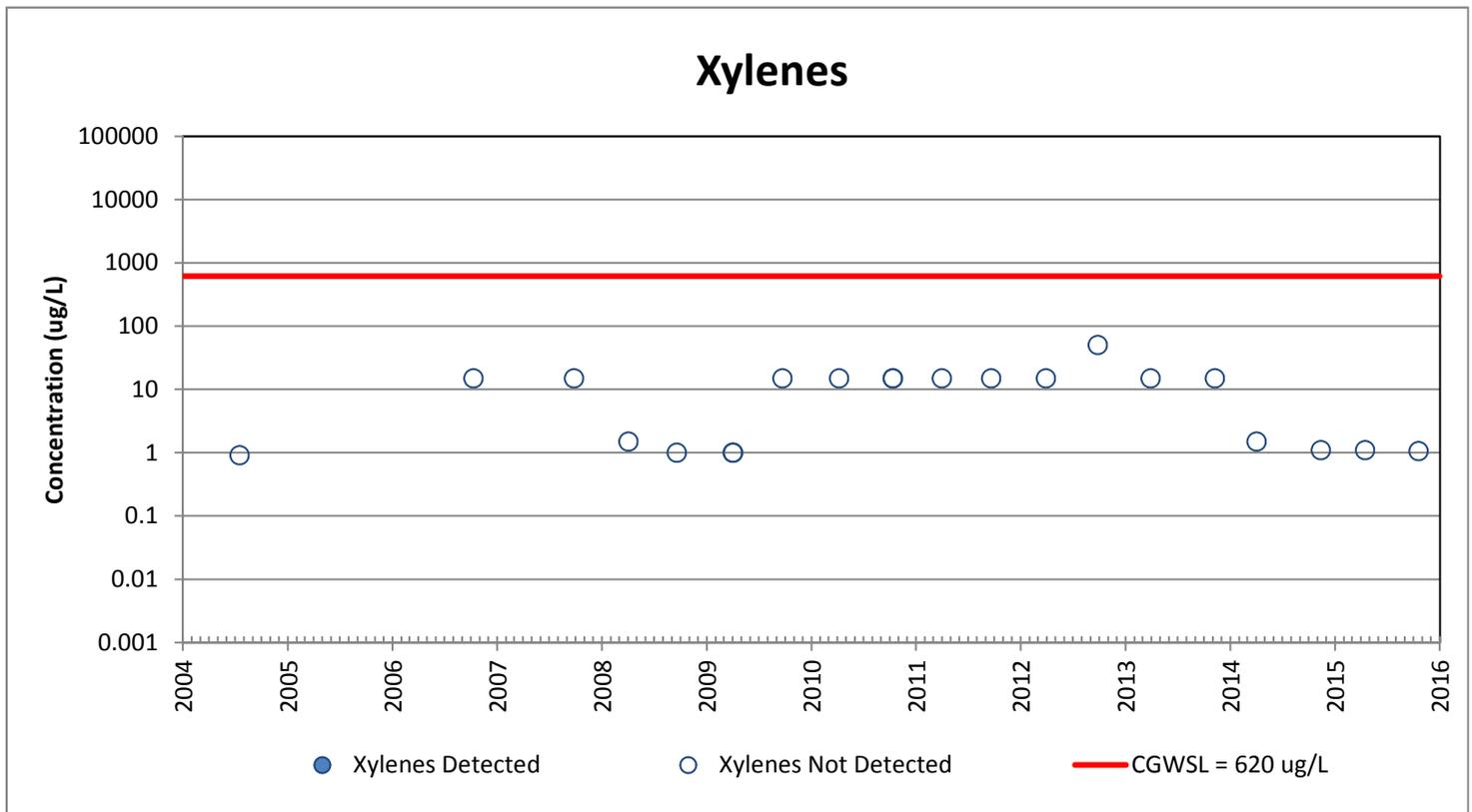
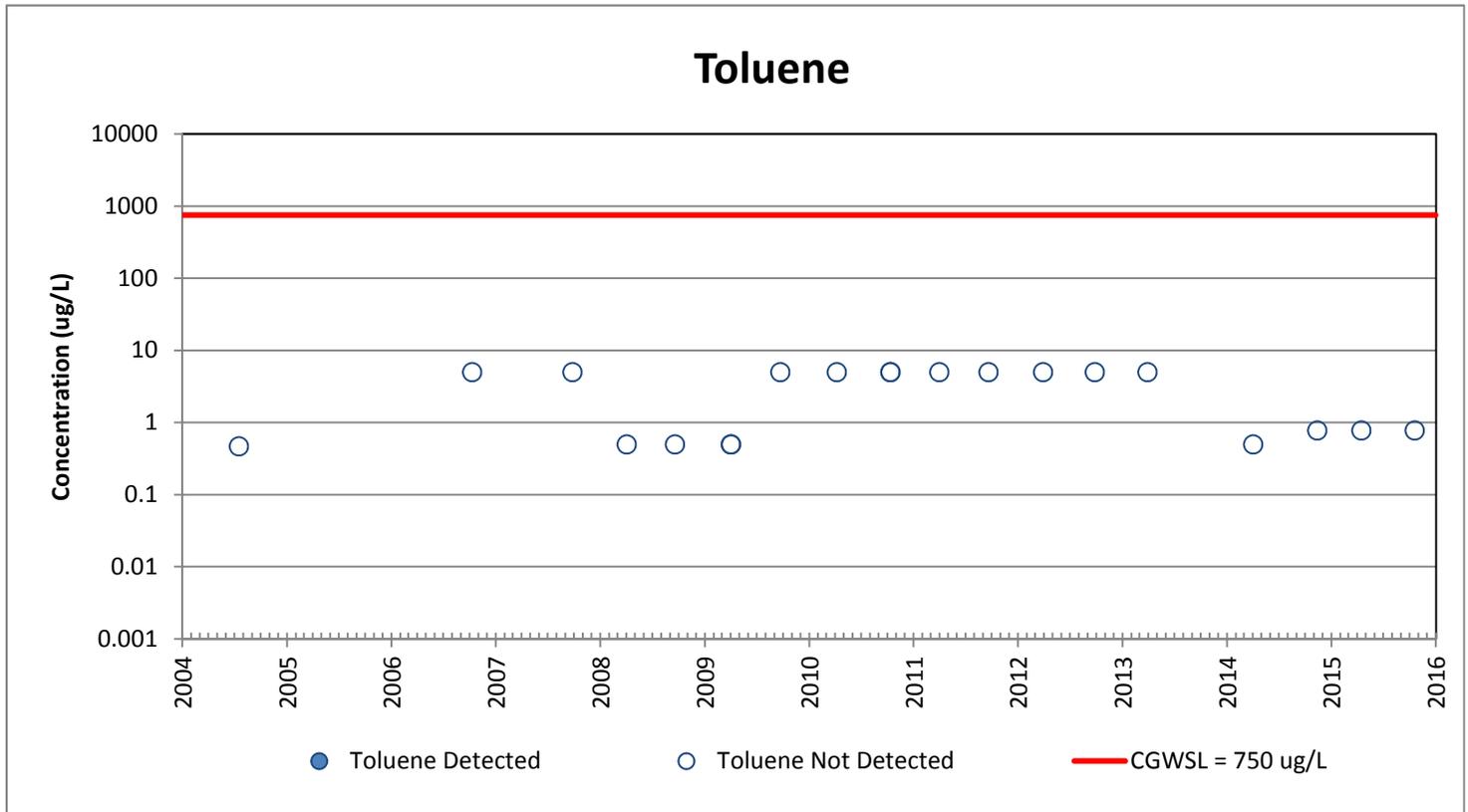
## Benzene



## Ethylbenzene

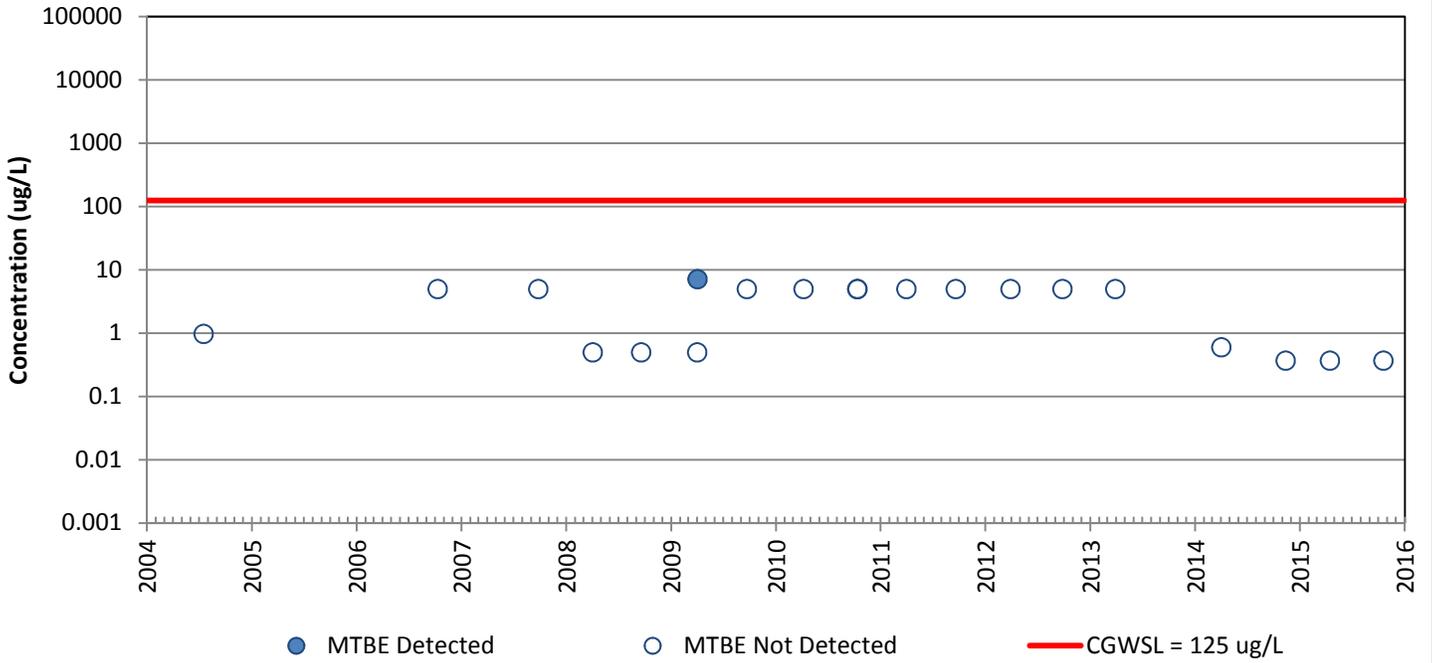


# MW-2A

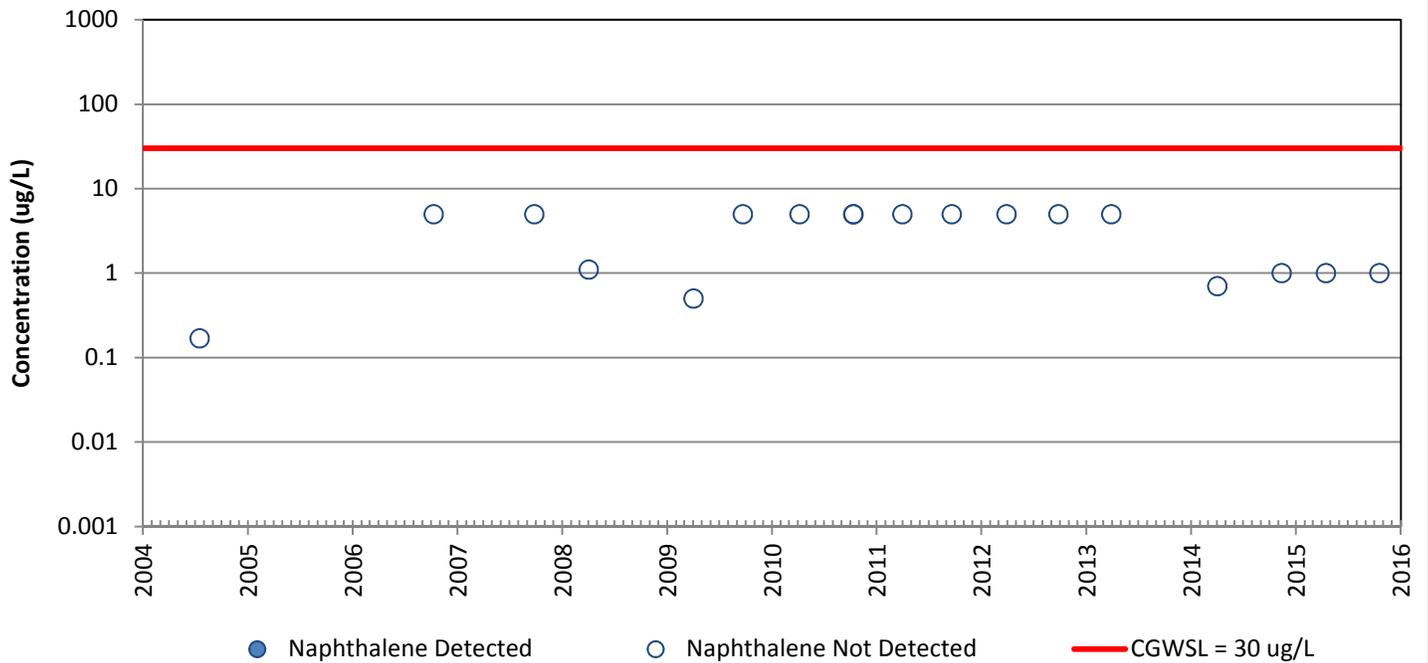


# MW-2A

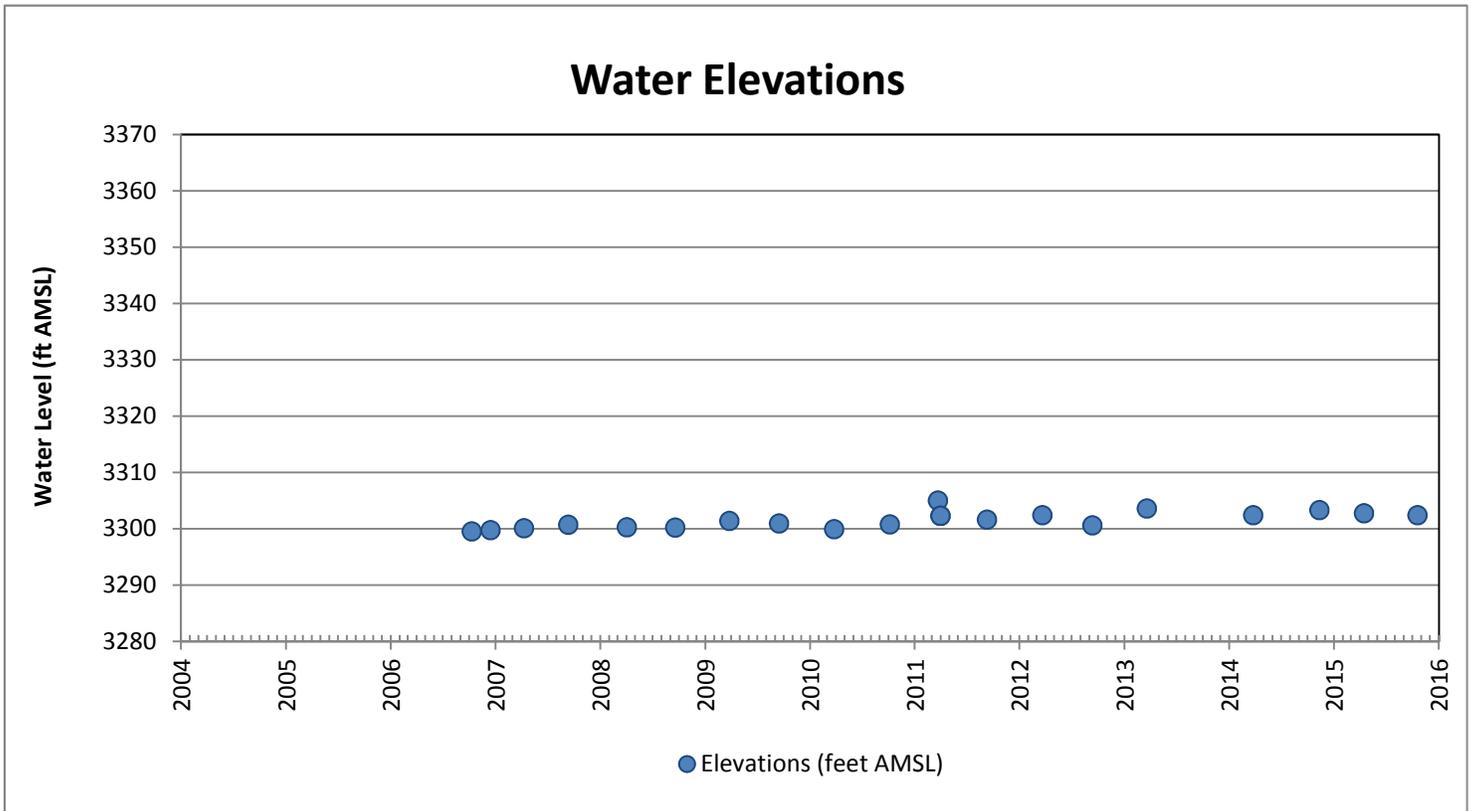
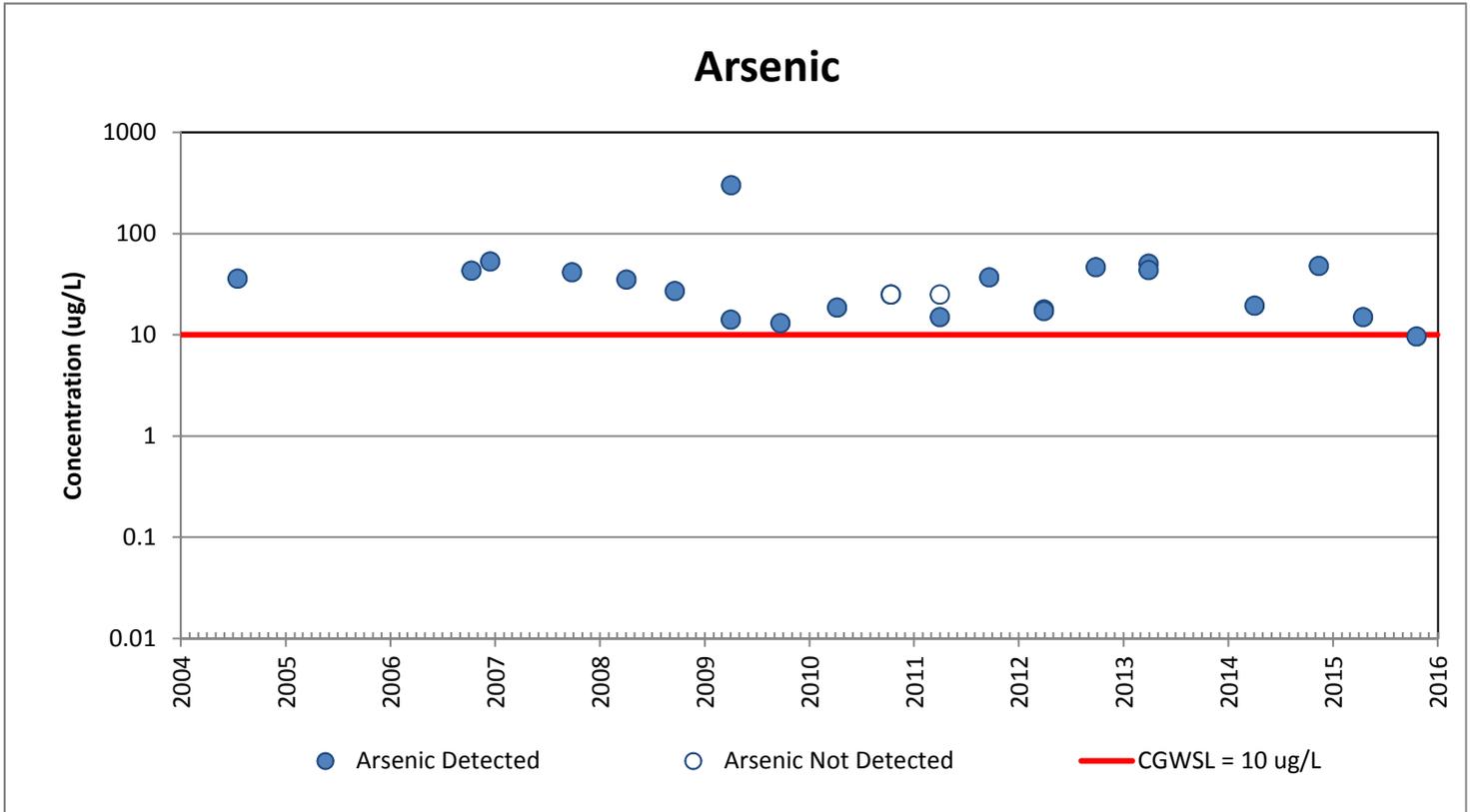
## MTBE



## Naphthalene

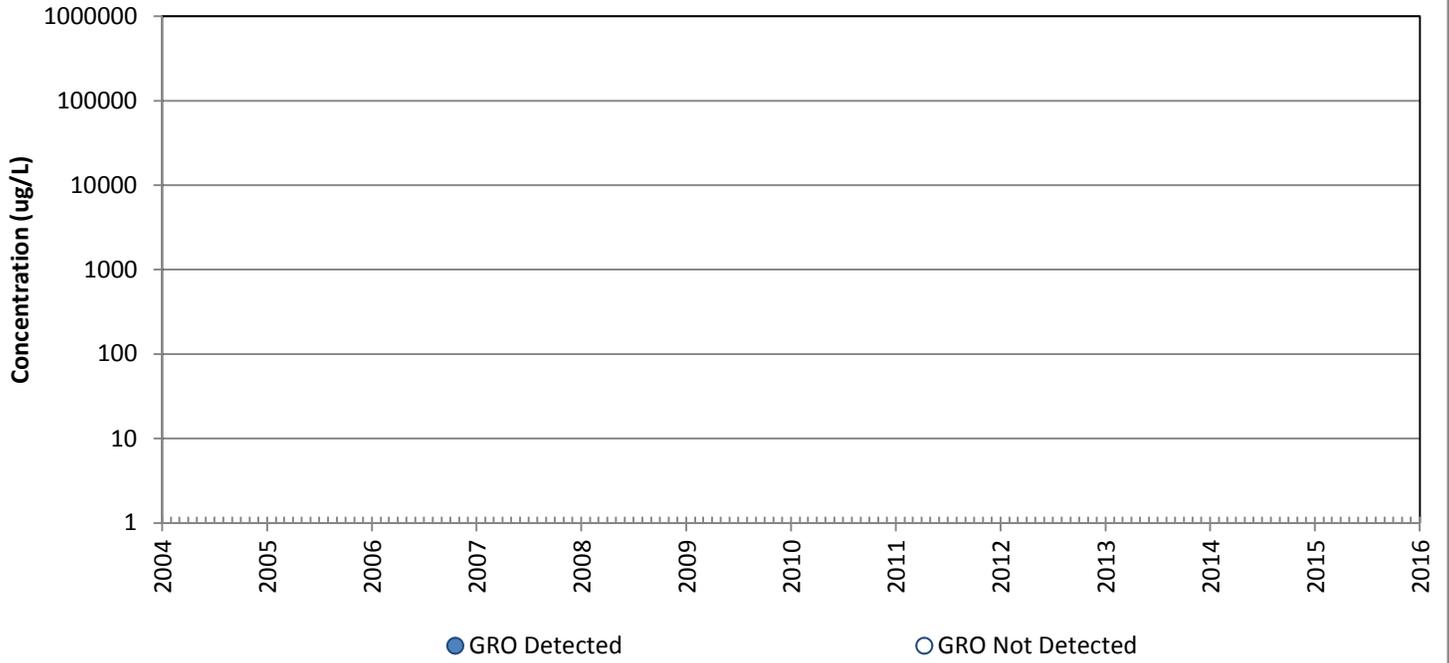


# MW-2A

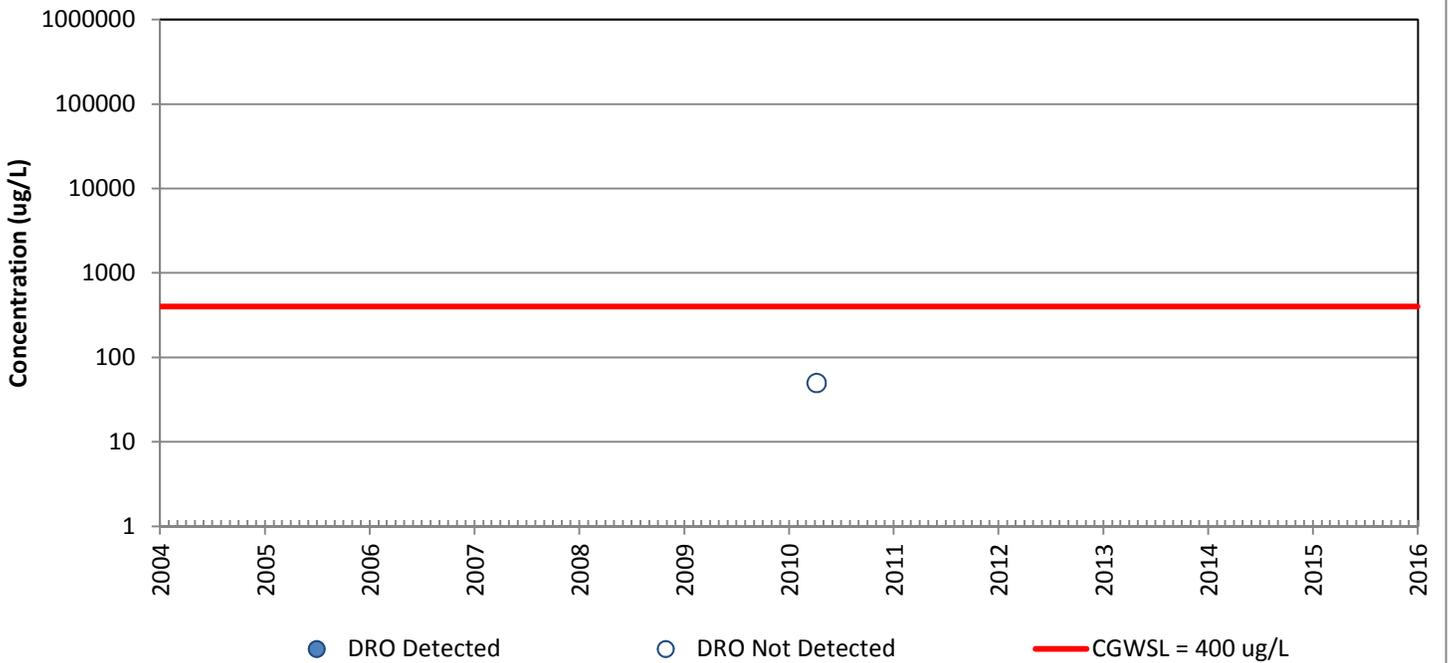


# MW-2B

## GRO



## DRO

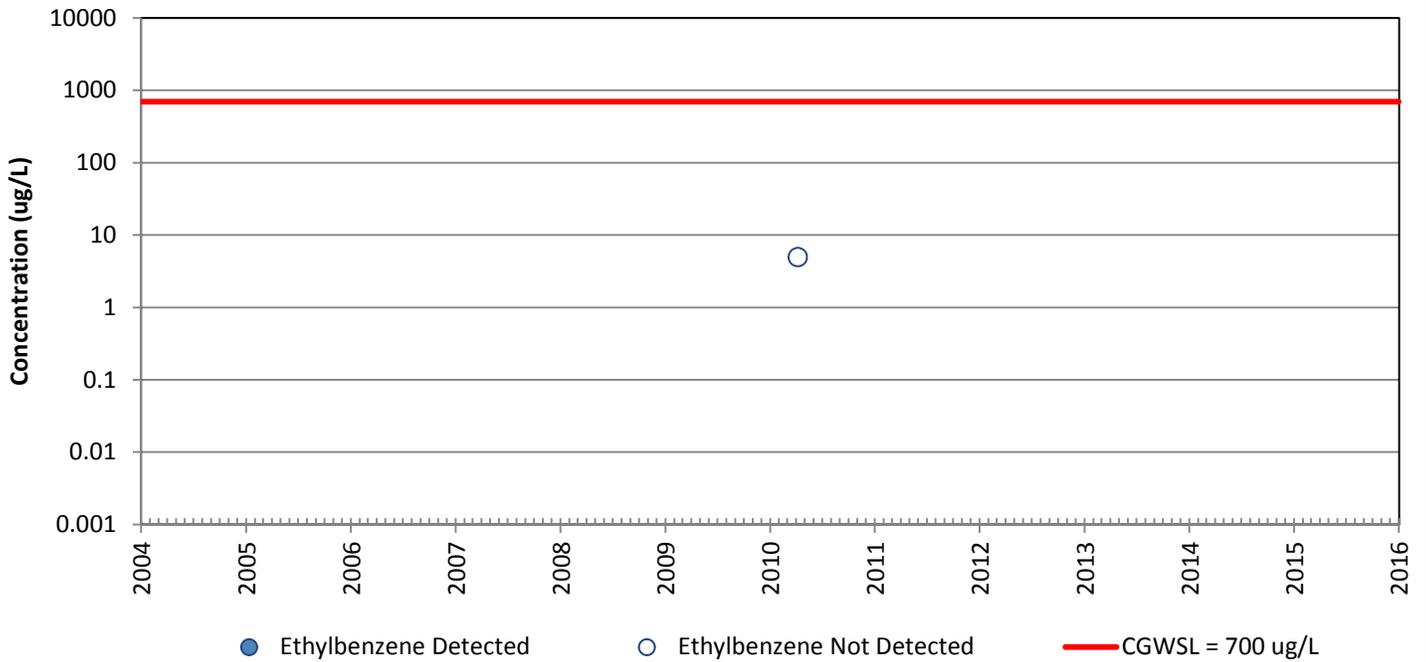


# MW-2B

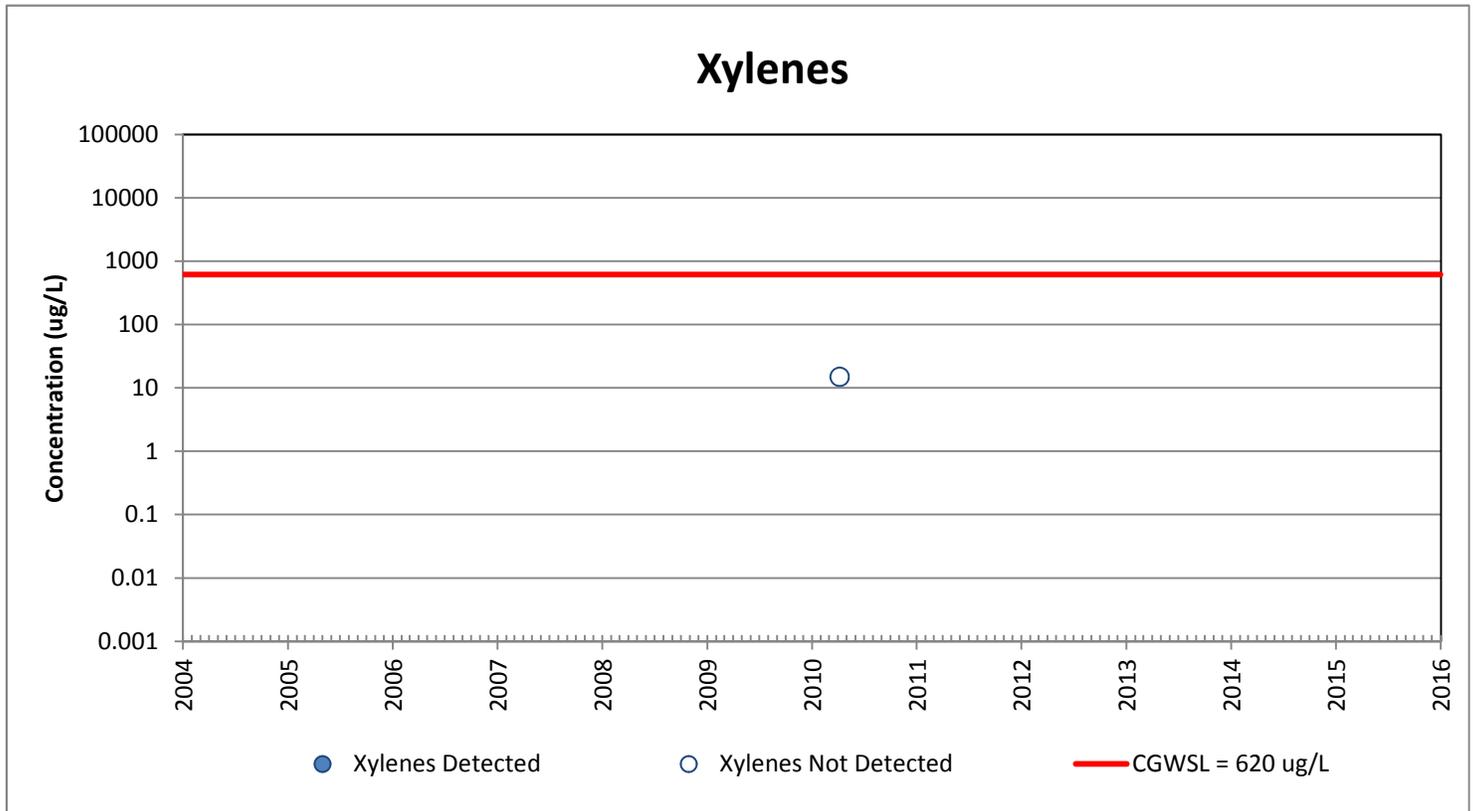
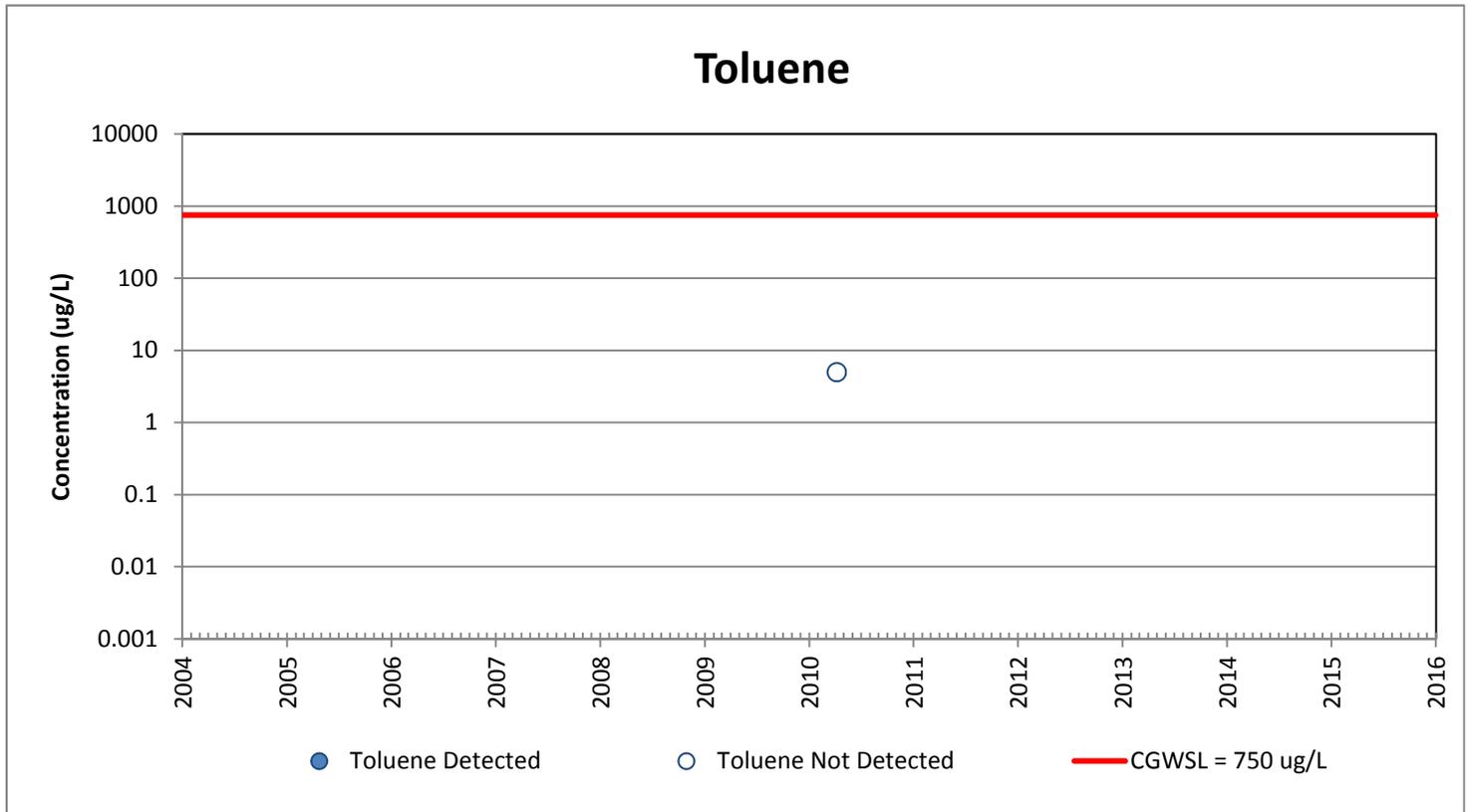
## Benzene



## Ethylbenzene

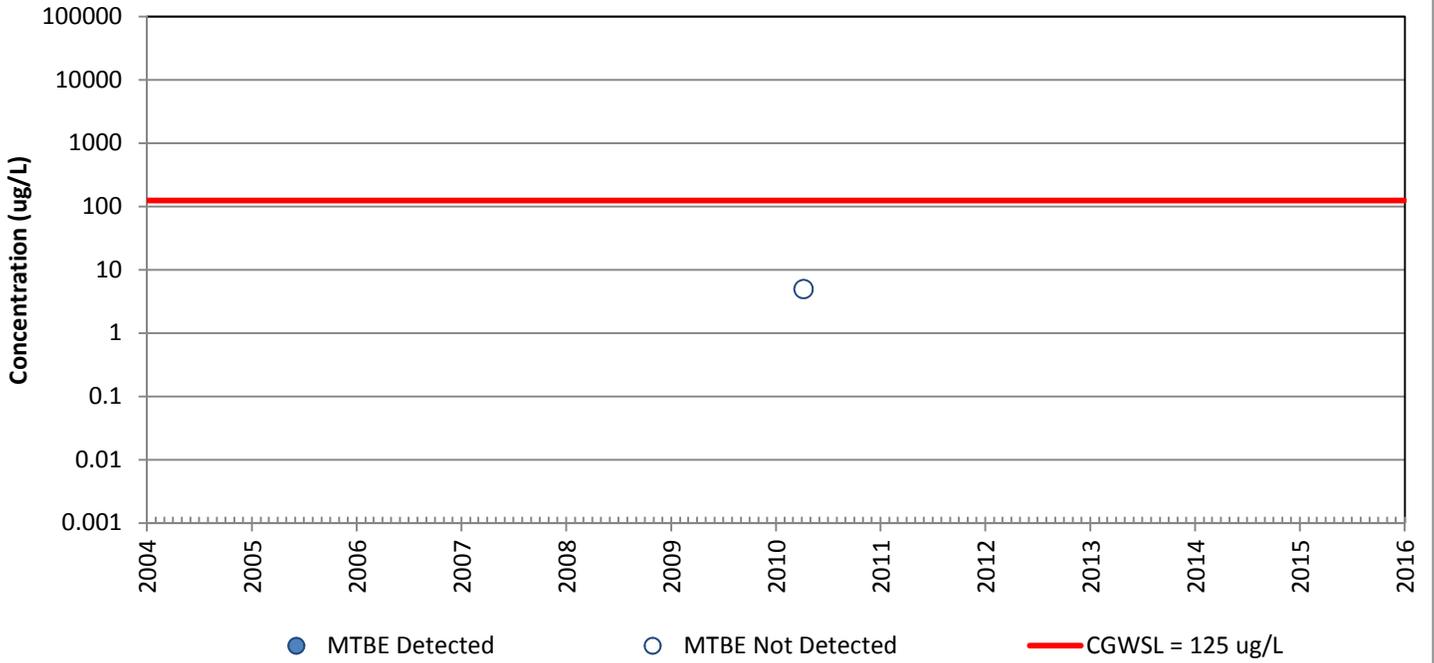


# MW-2B

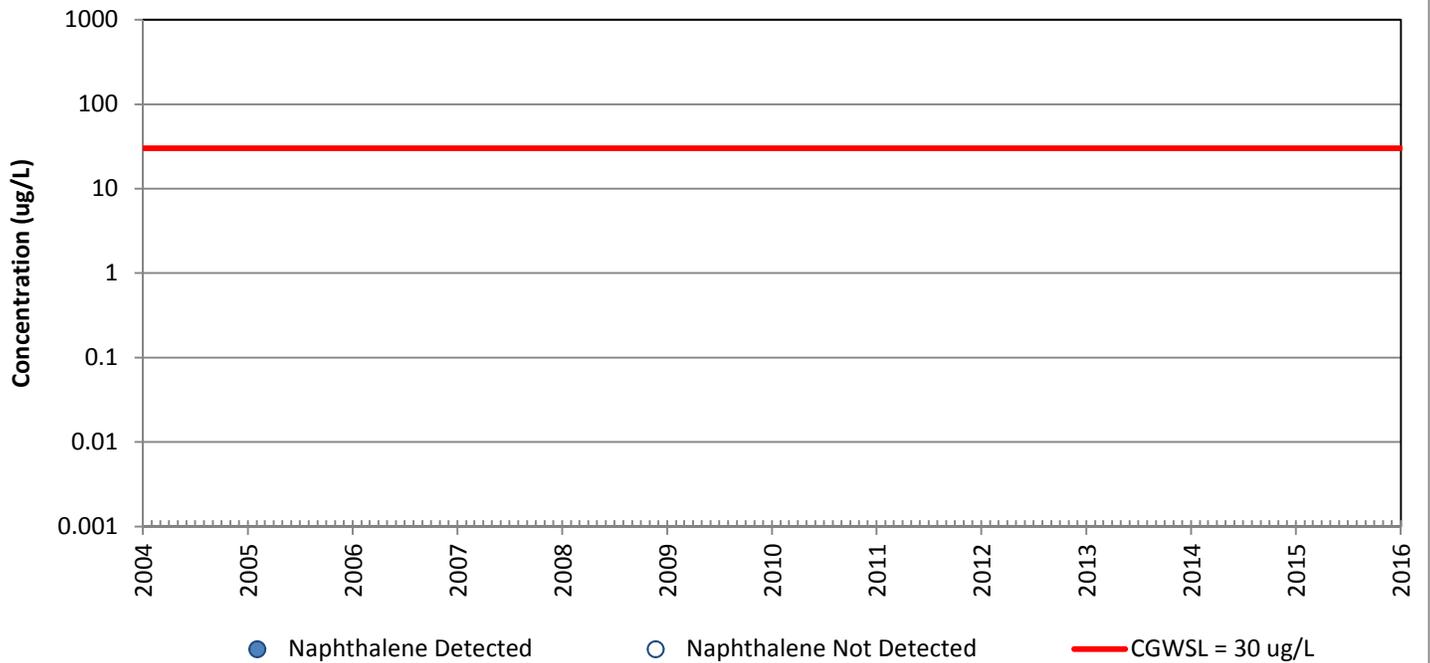


# MW-2B

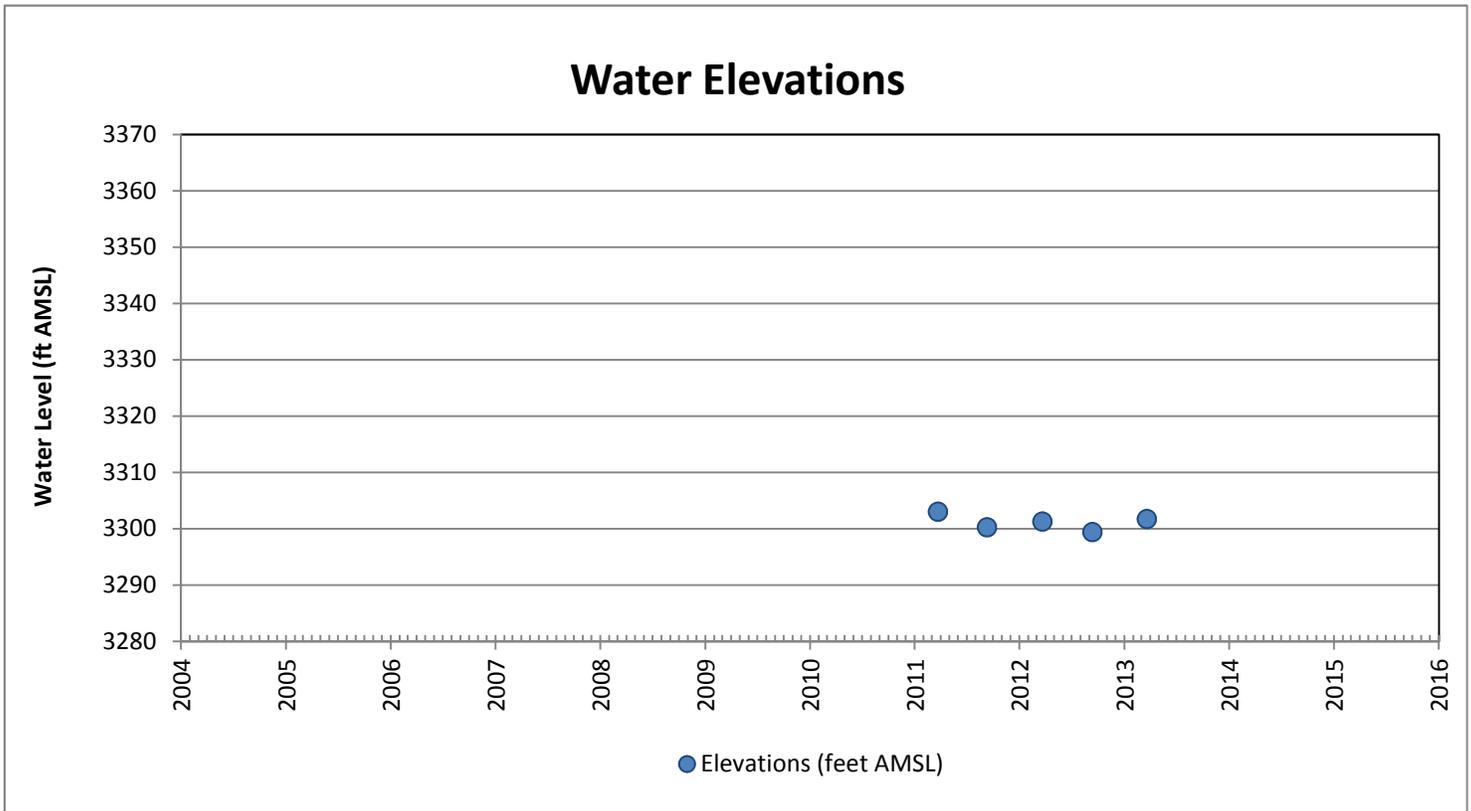
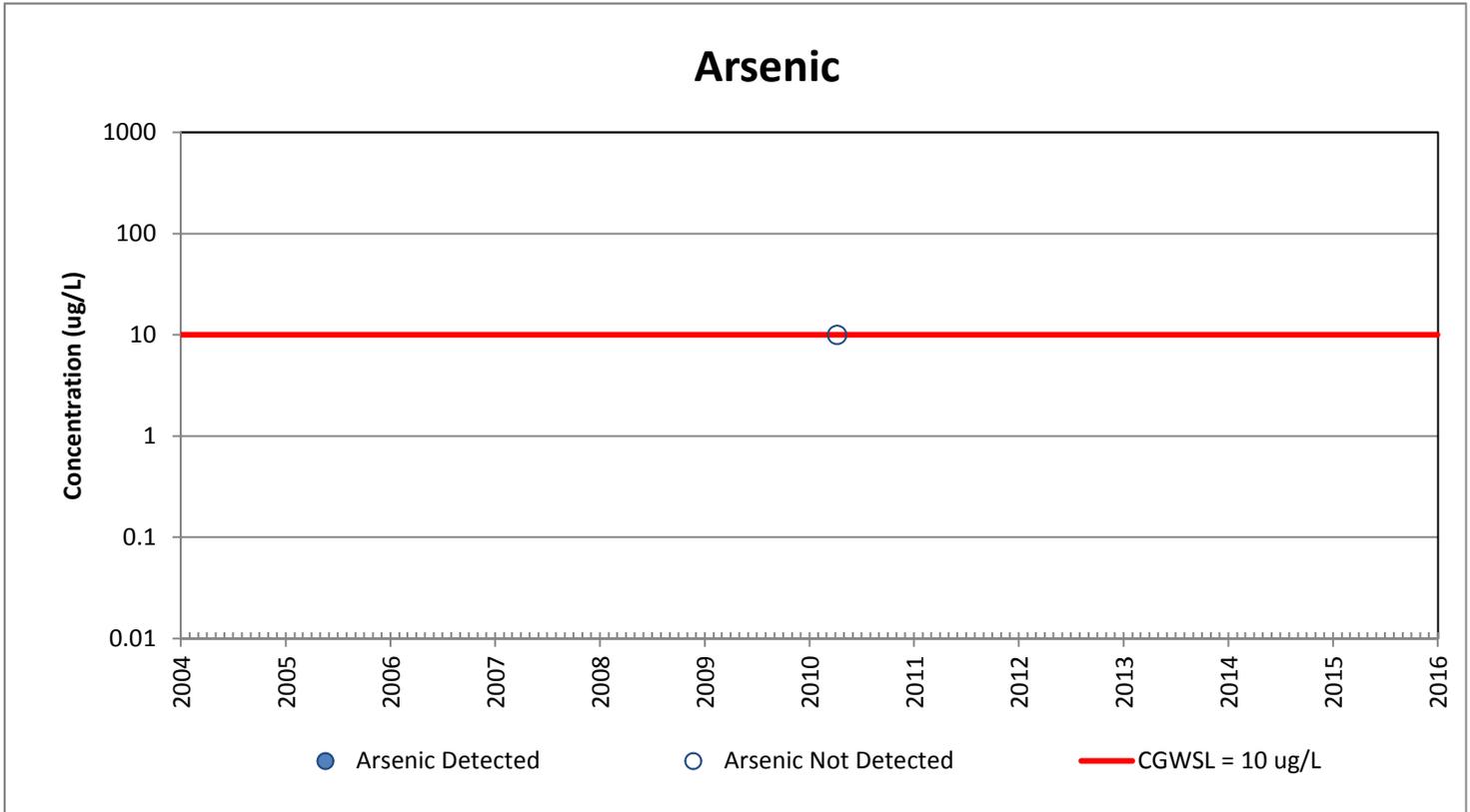
## MTBE



## Naphthalene

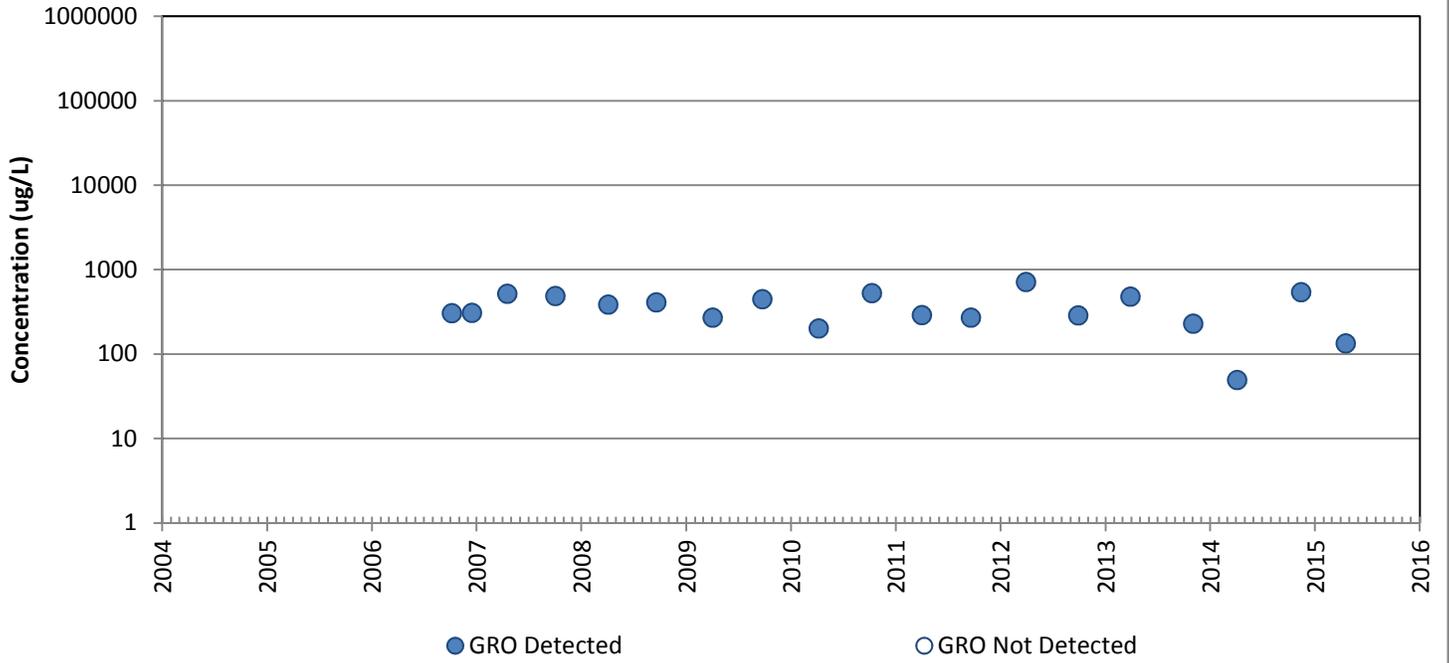


# MW-2B

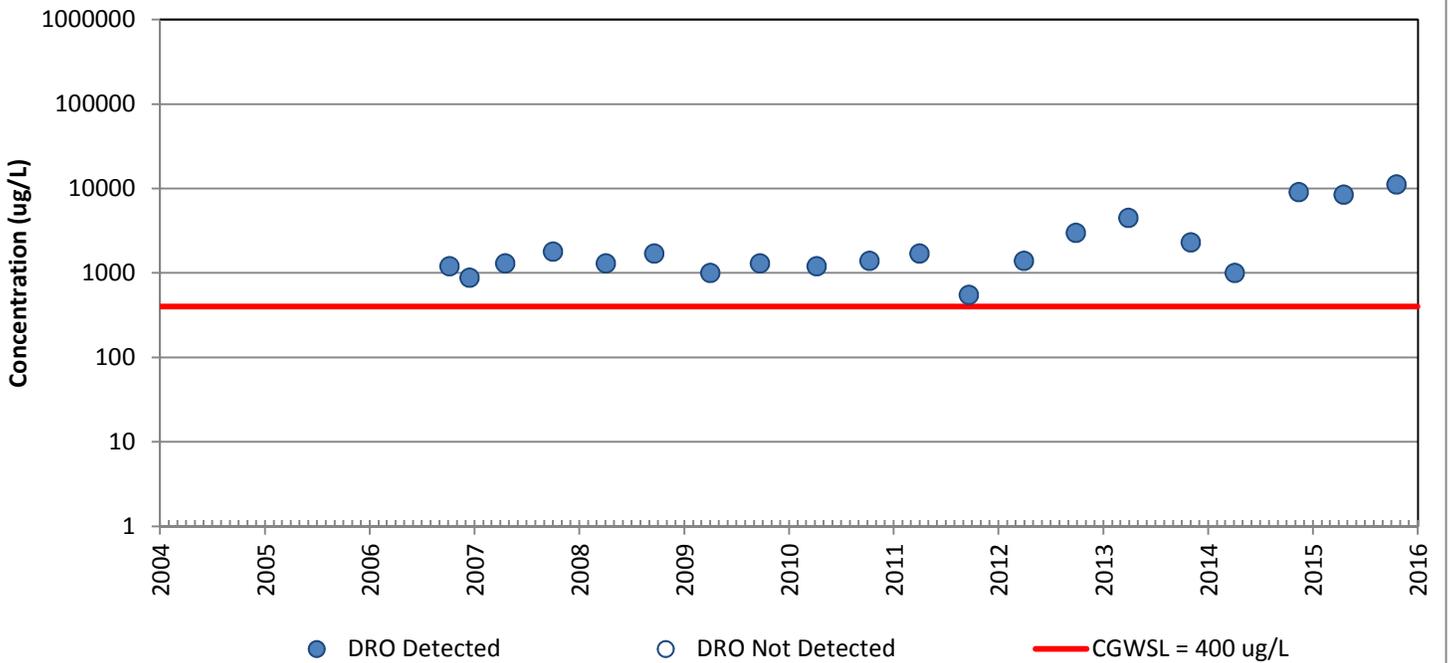


# MW-3

## GRO

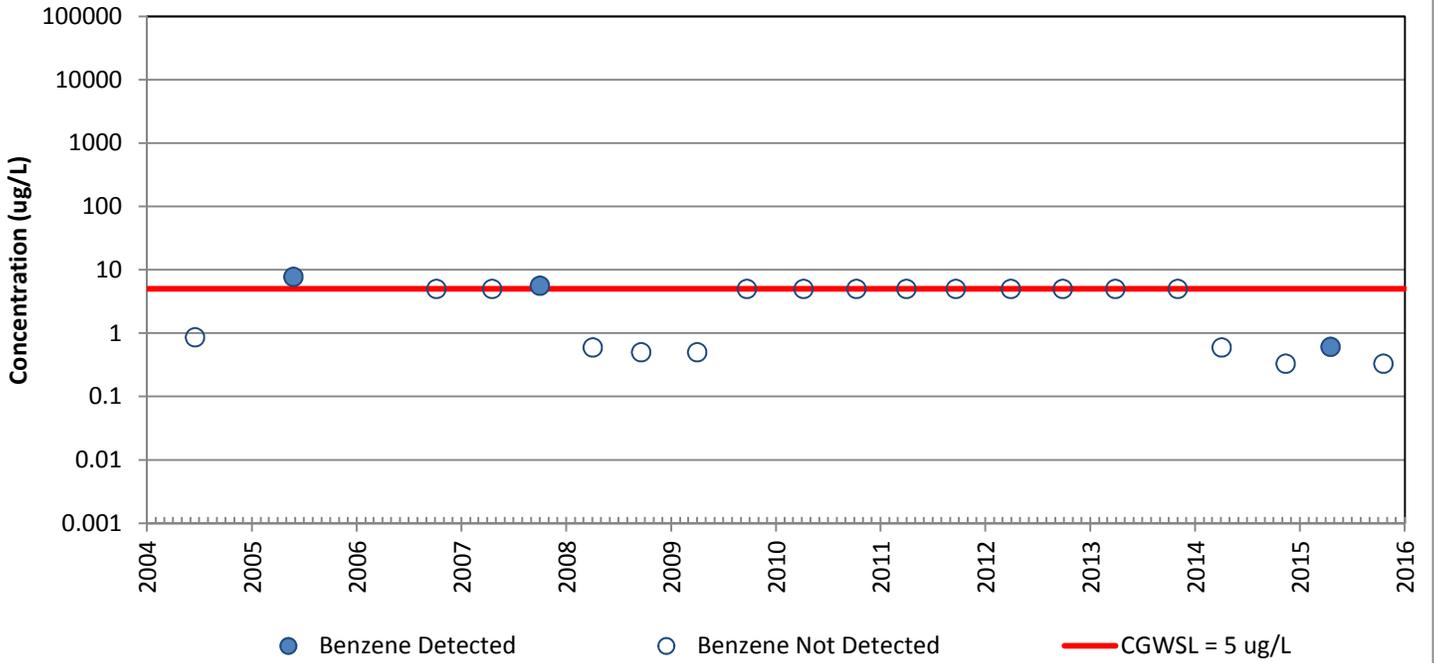


## DRO

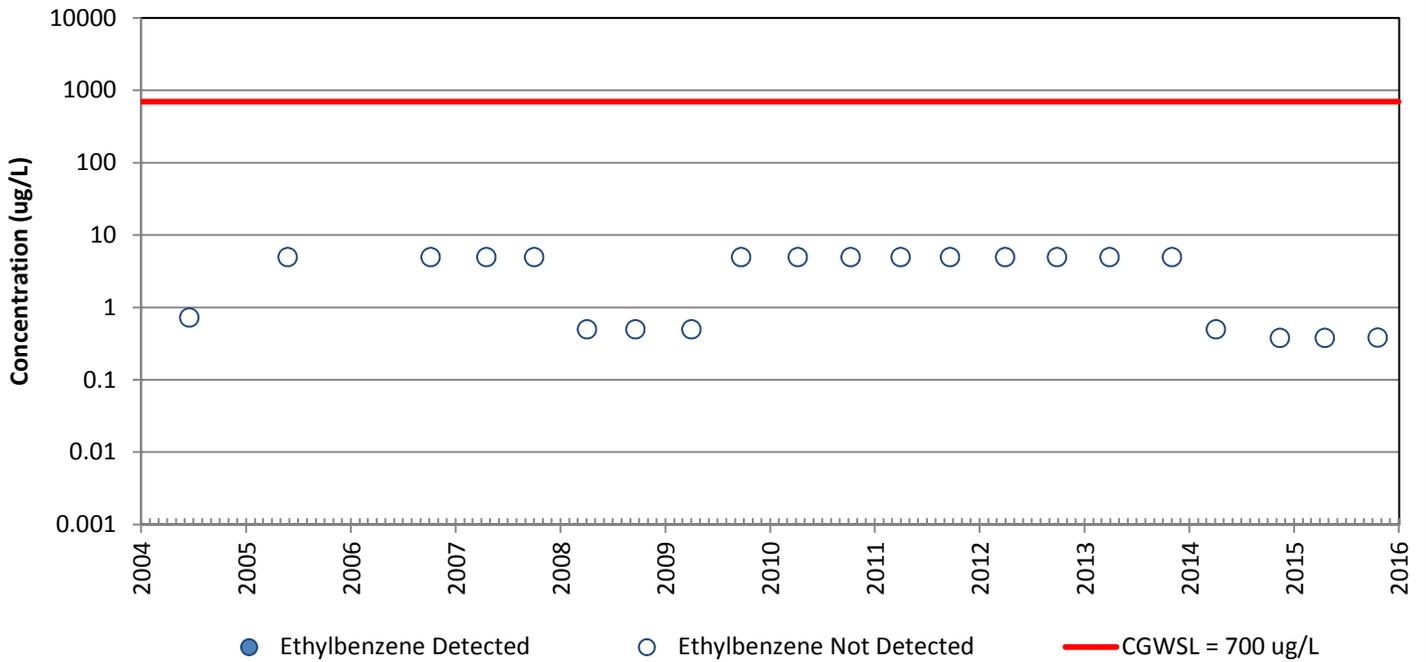


# MW-3

## Benzene

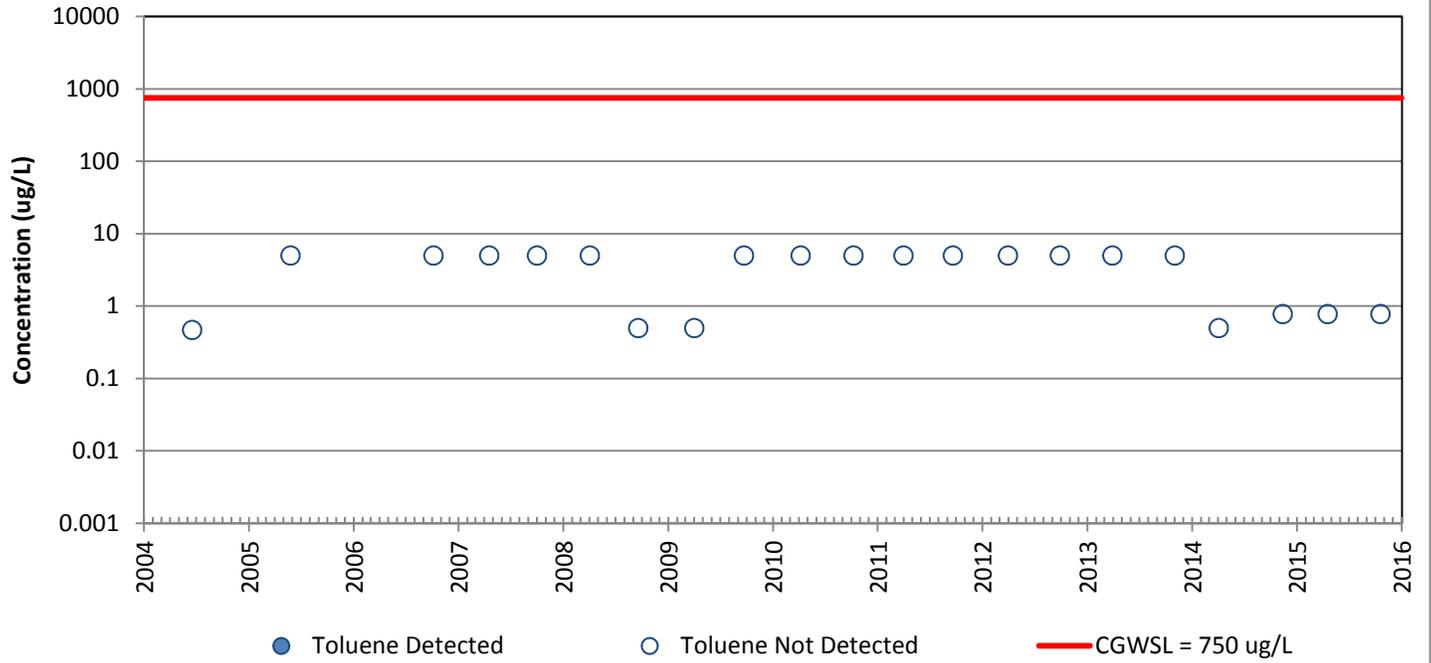


## Ethylbenzene

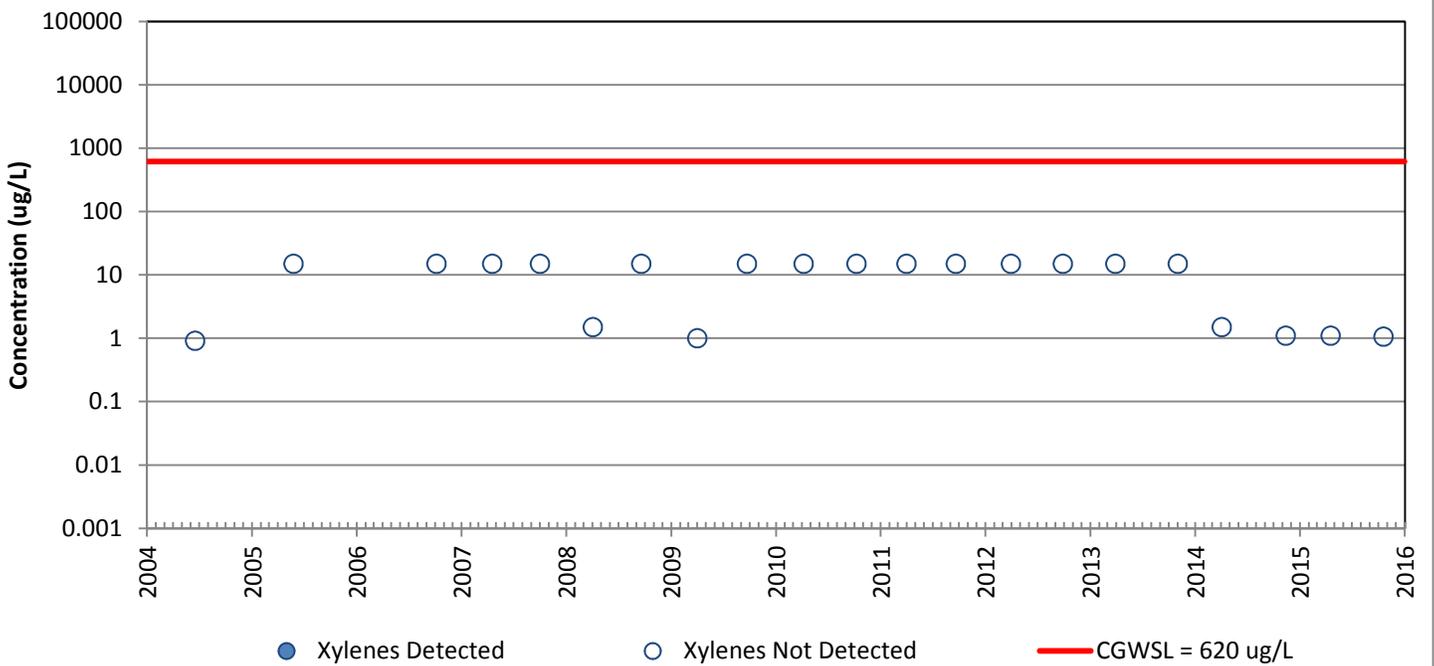


# MW-3

## Toluene

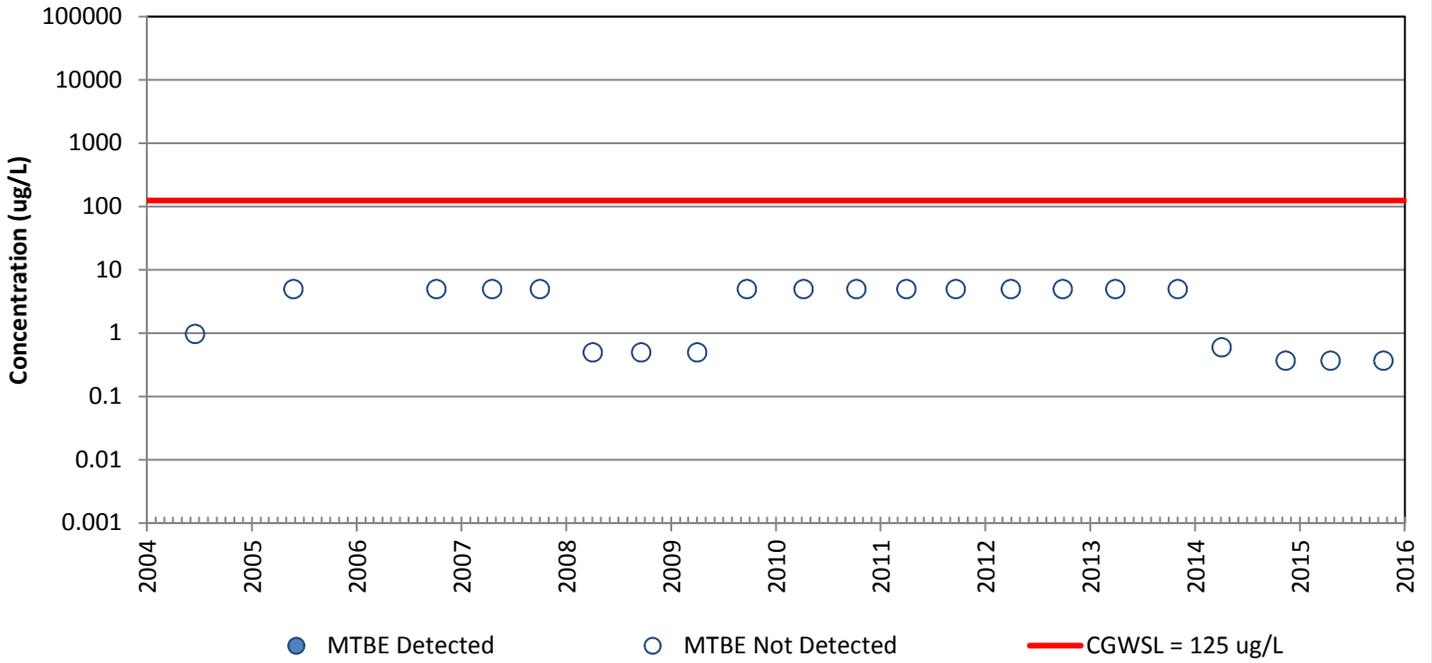


## Xylenes

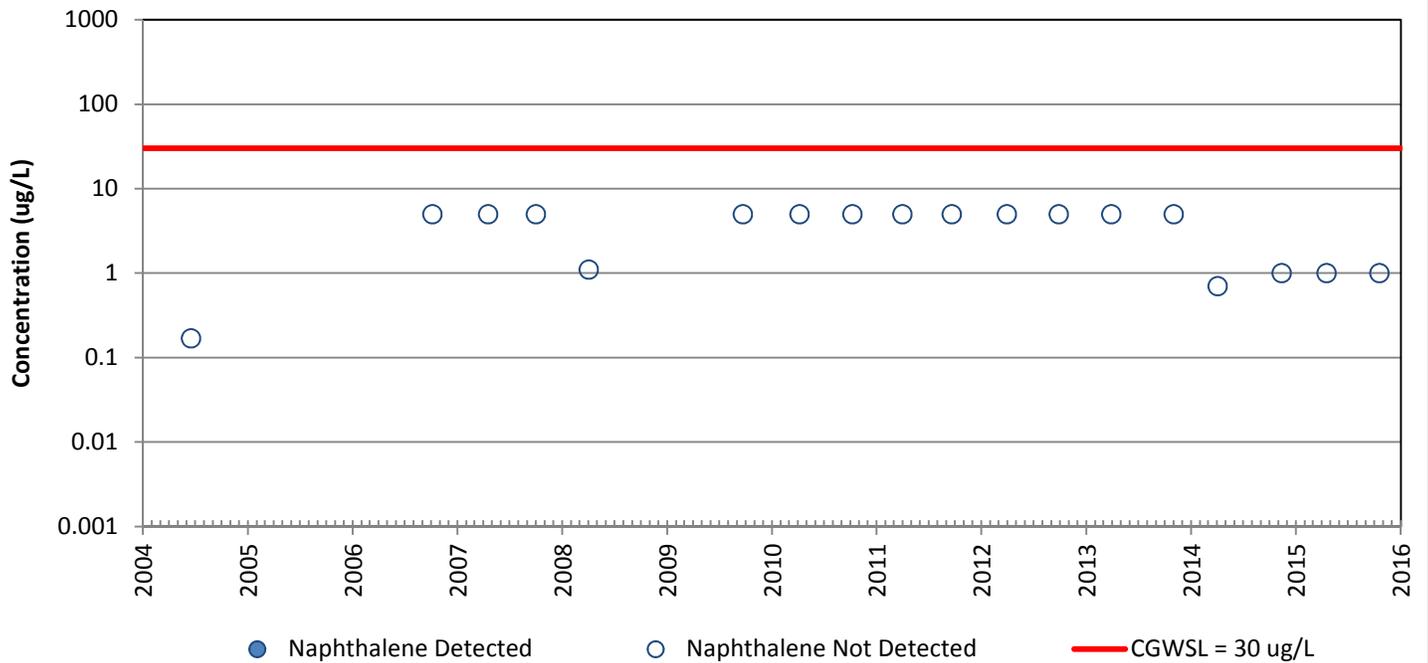


# MW-3

## MTBE

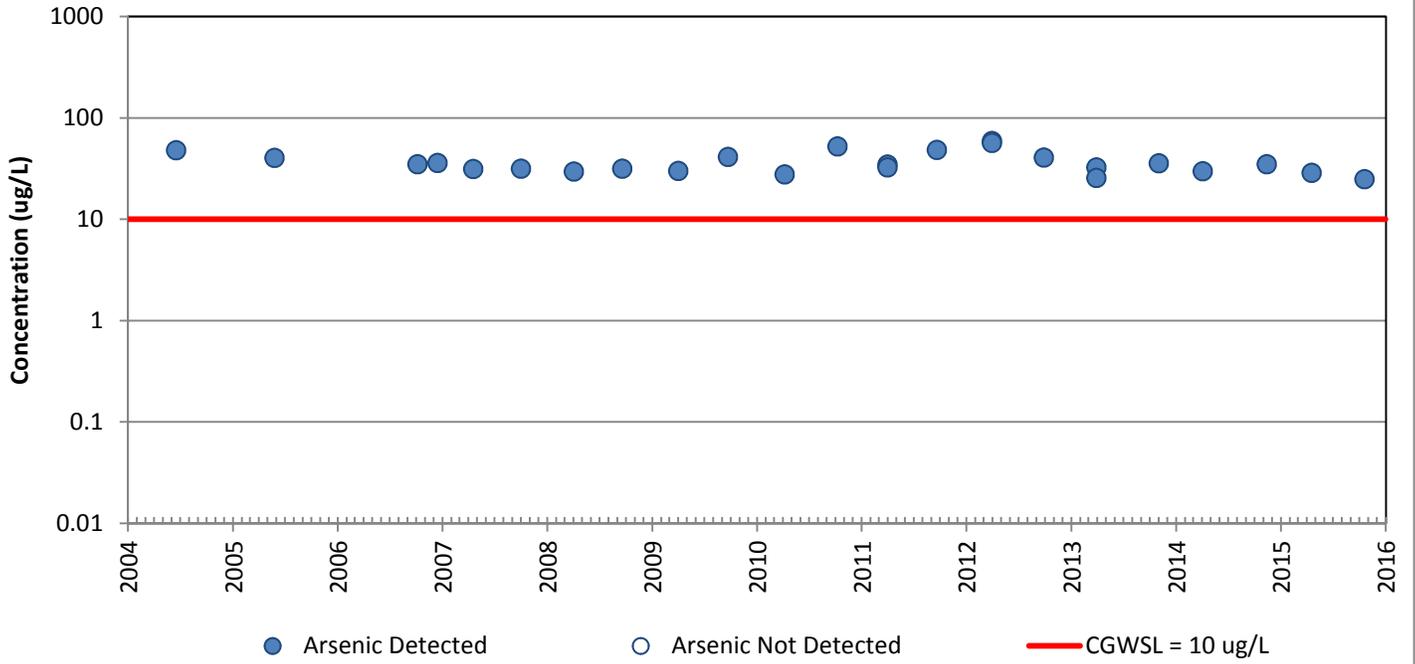


## Naphthalene

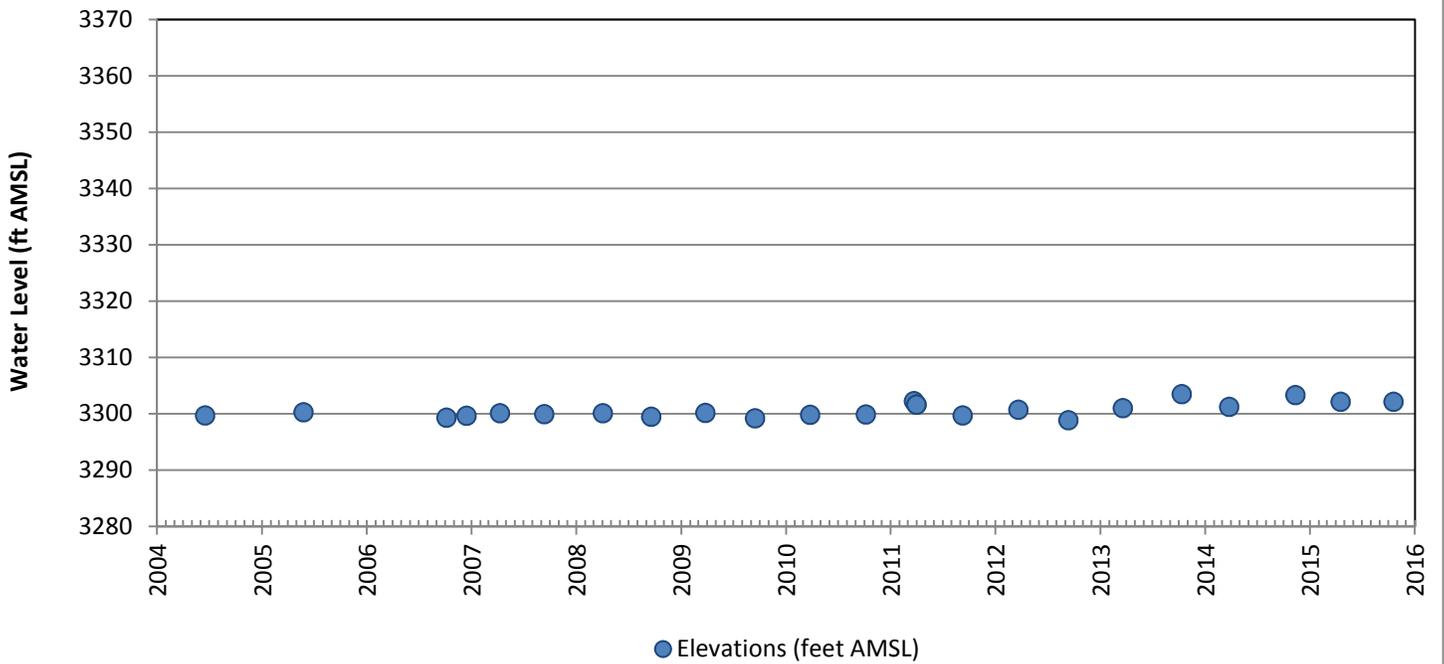


# MW-3

## Arsenic

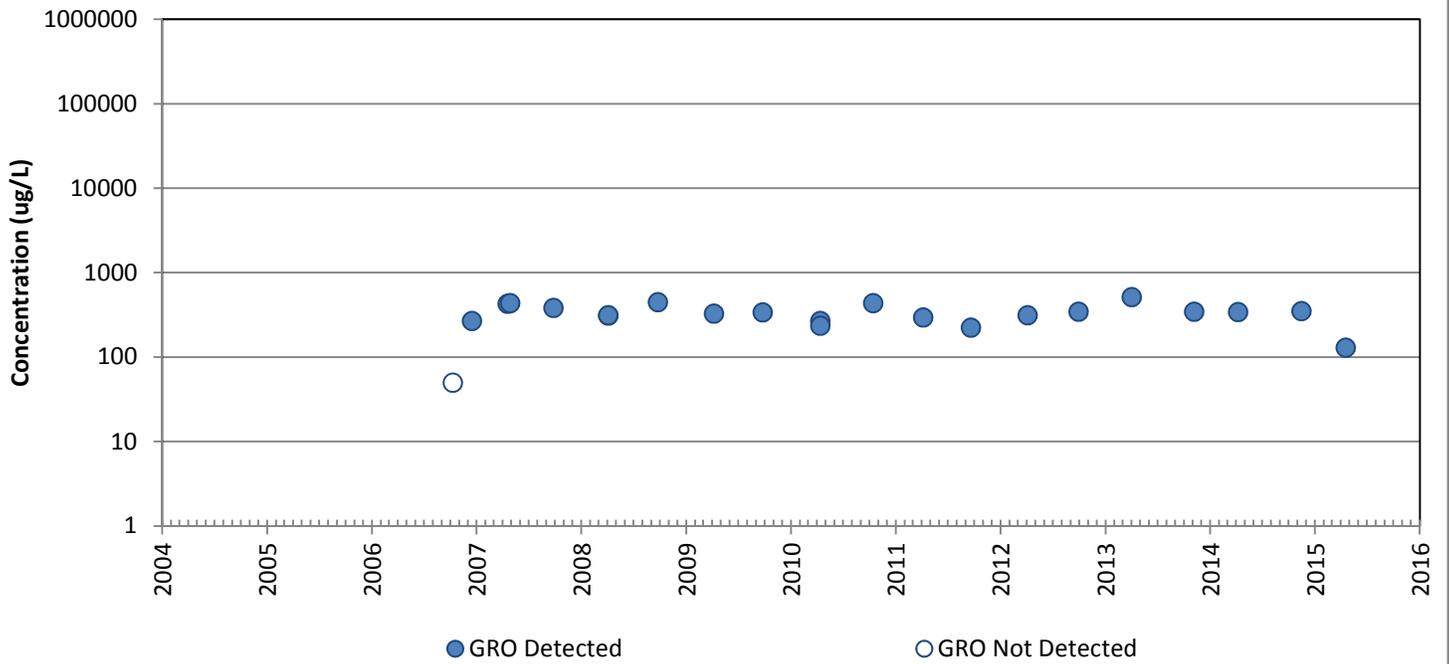


## Water Elevations

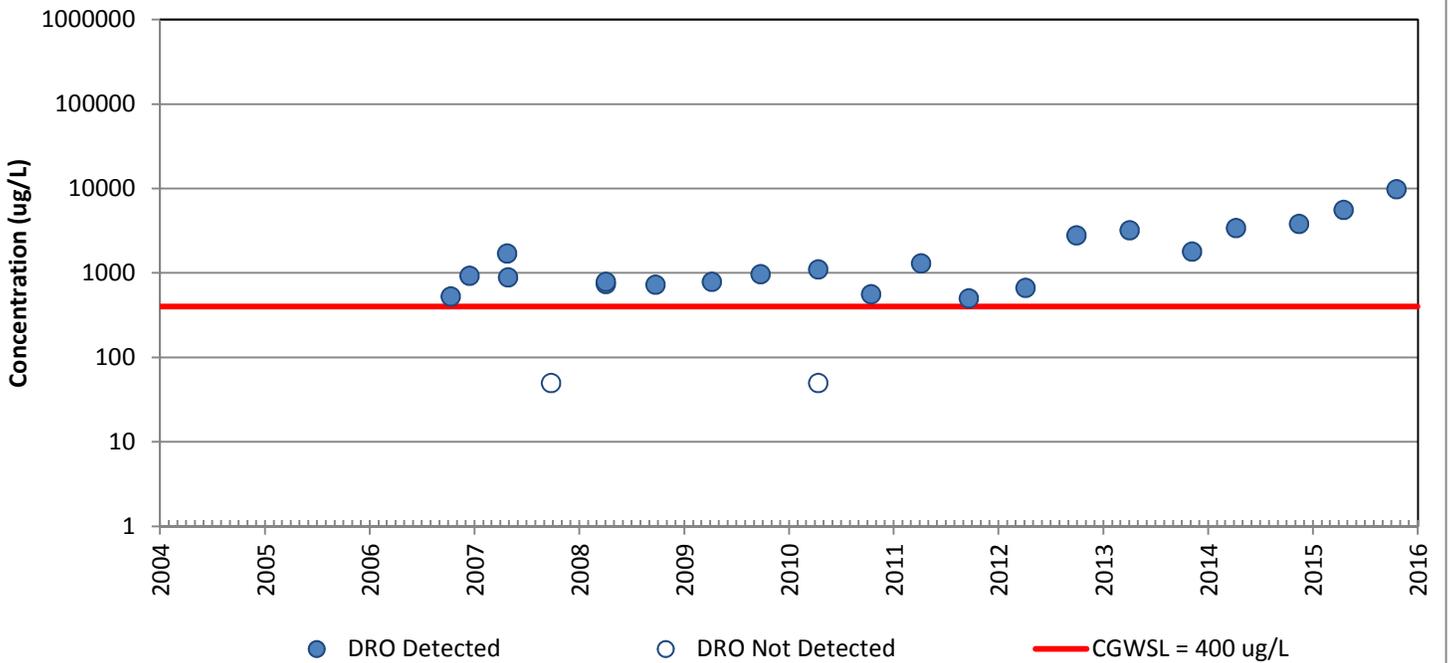


# MW-4A

## GRO

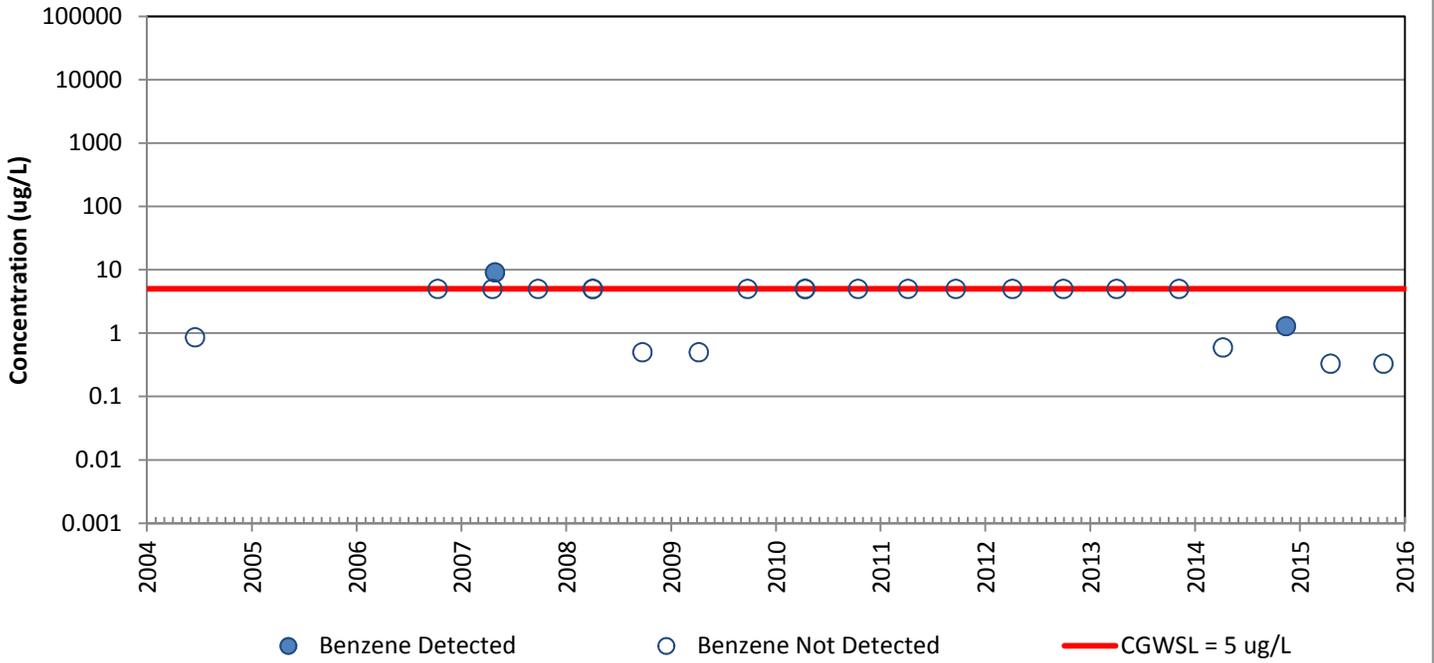


## DRO

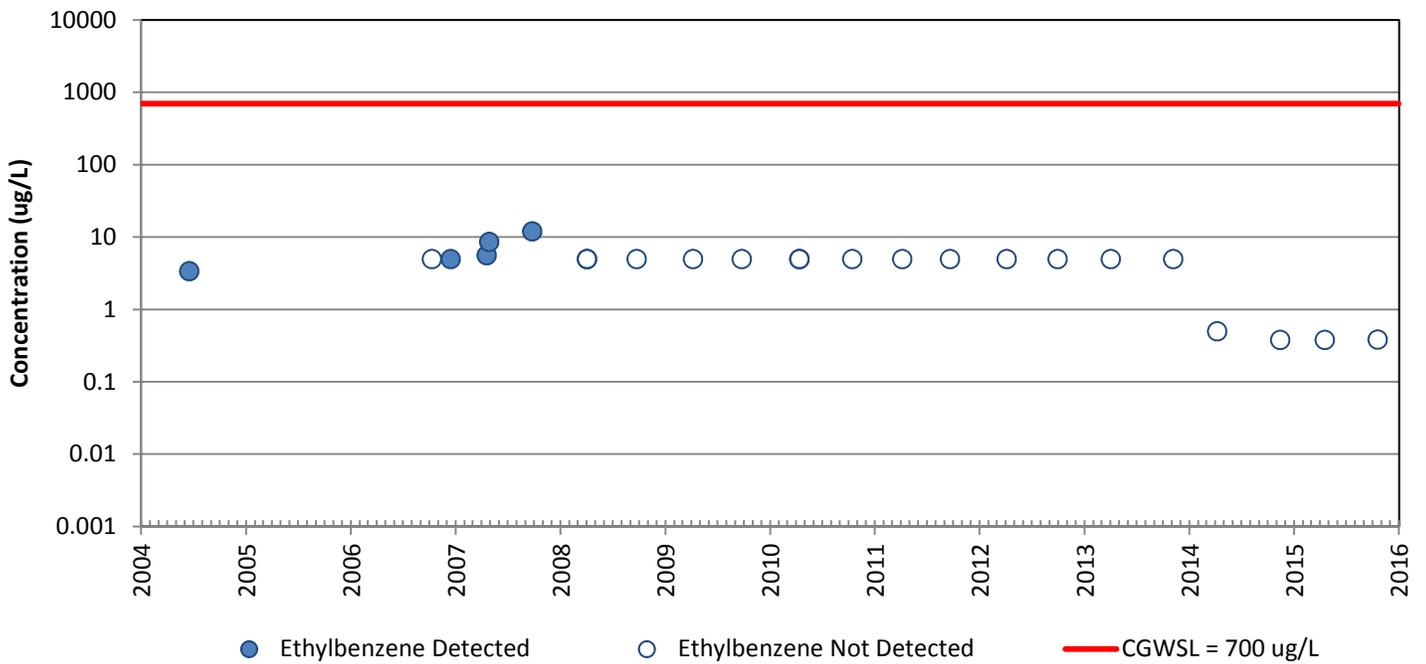


# MW-4A

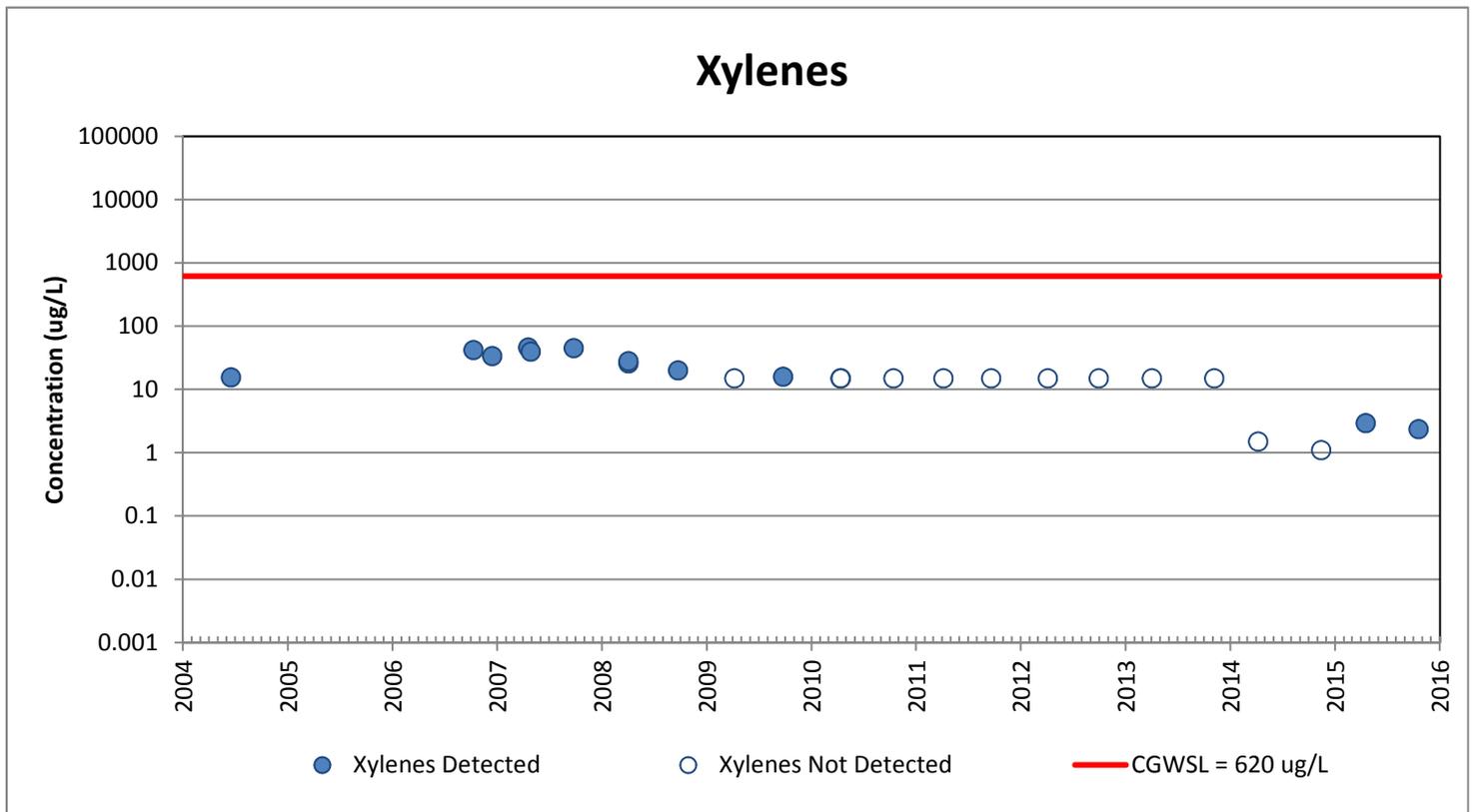
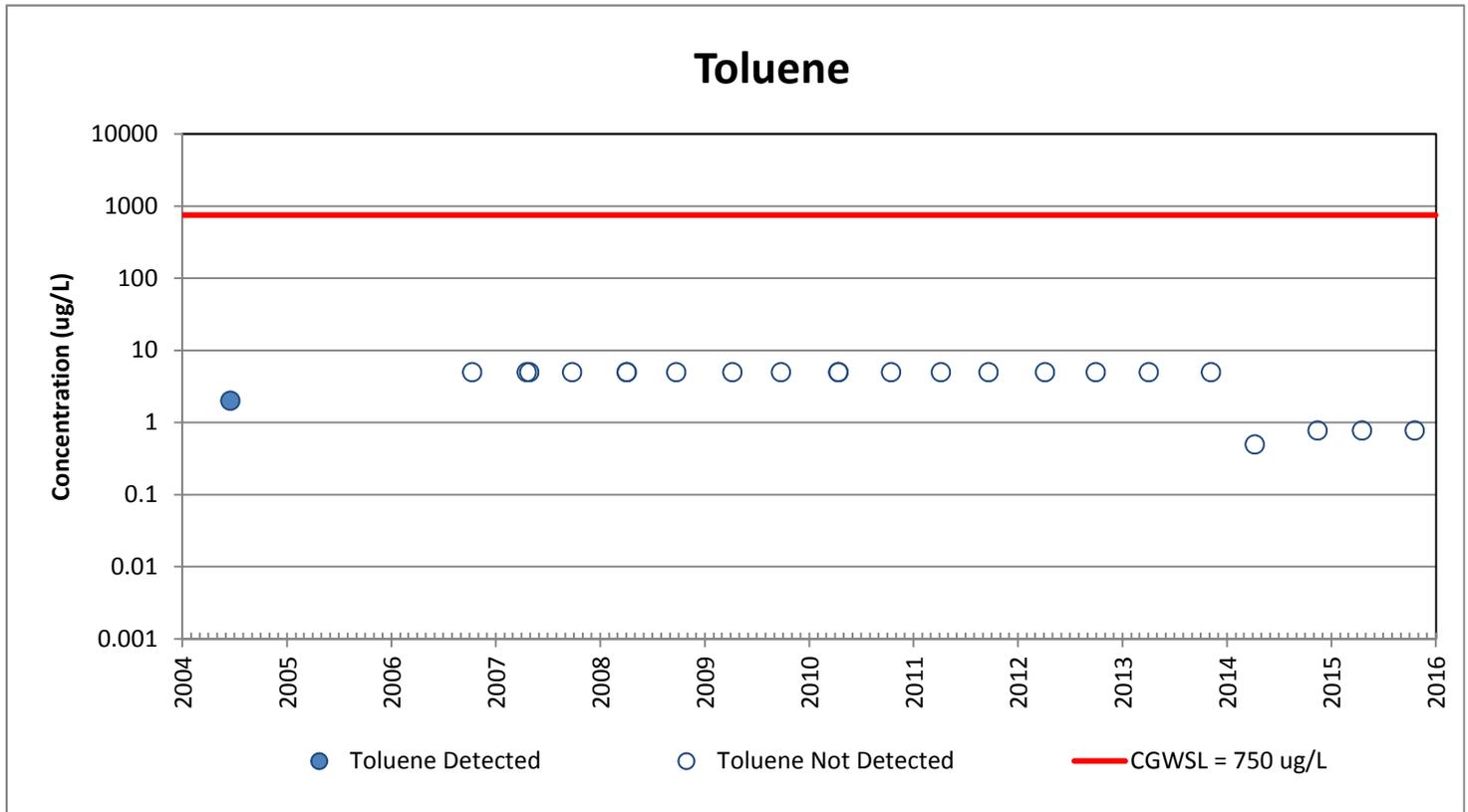
## Benzene



## Ethylbenzene

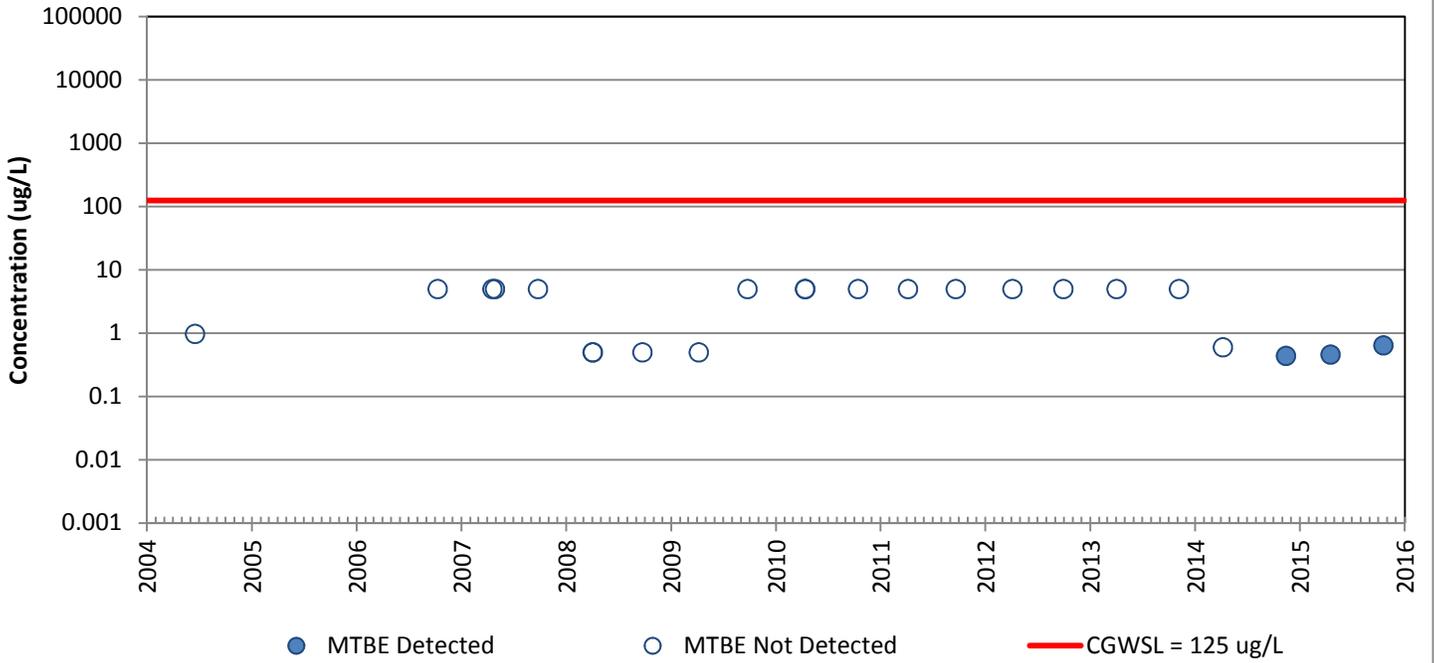


# MW-4A

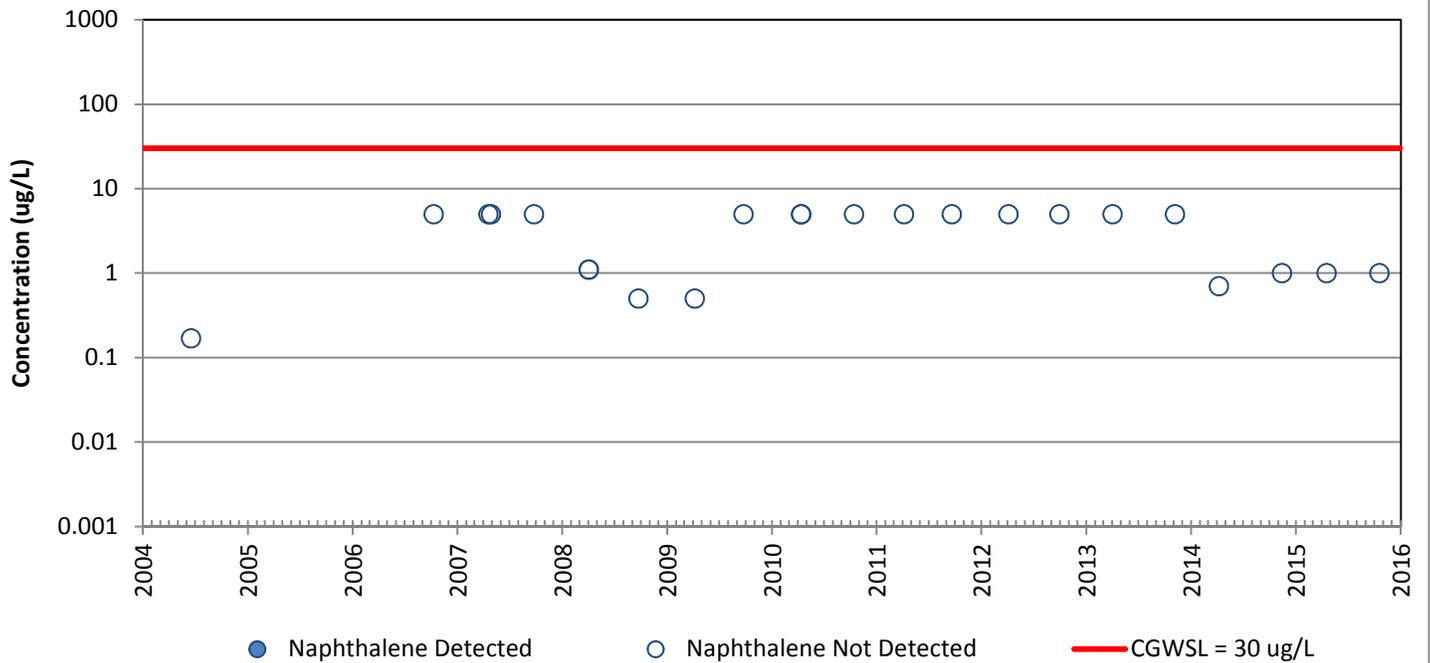


# MW-4A

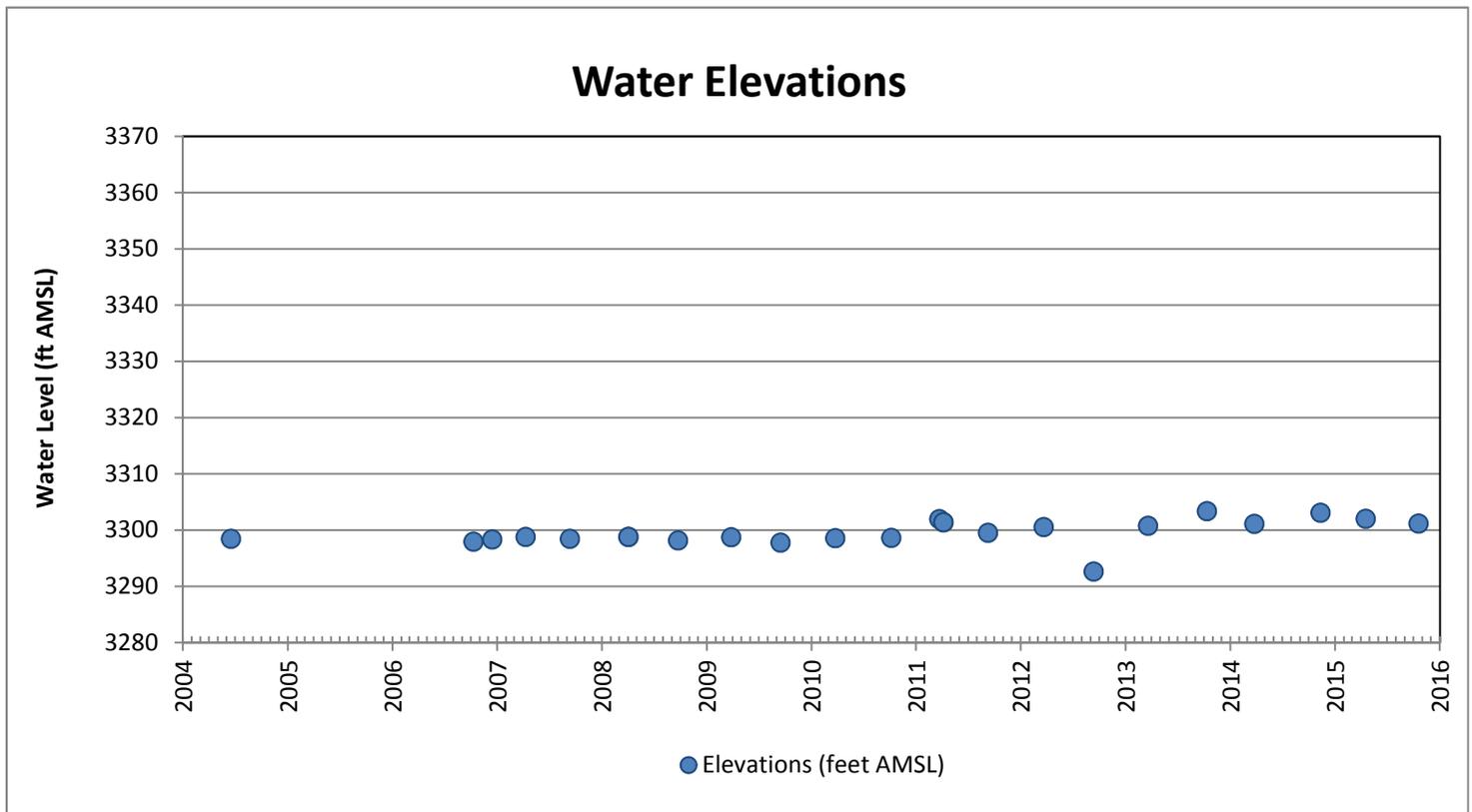
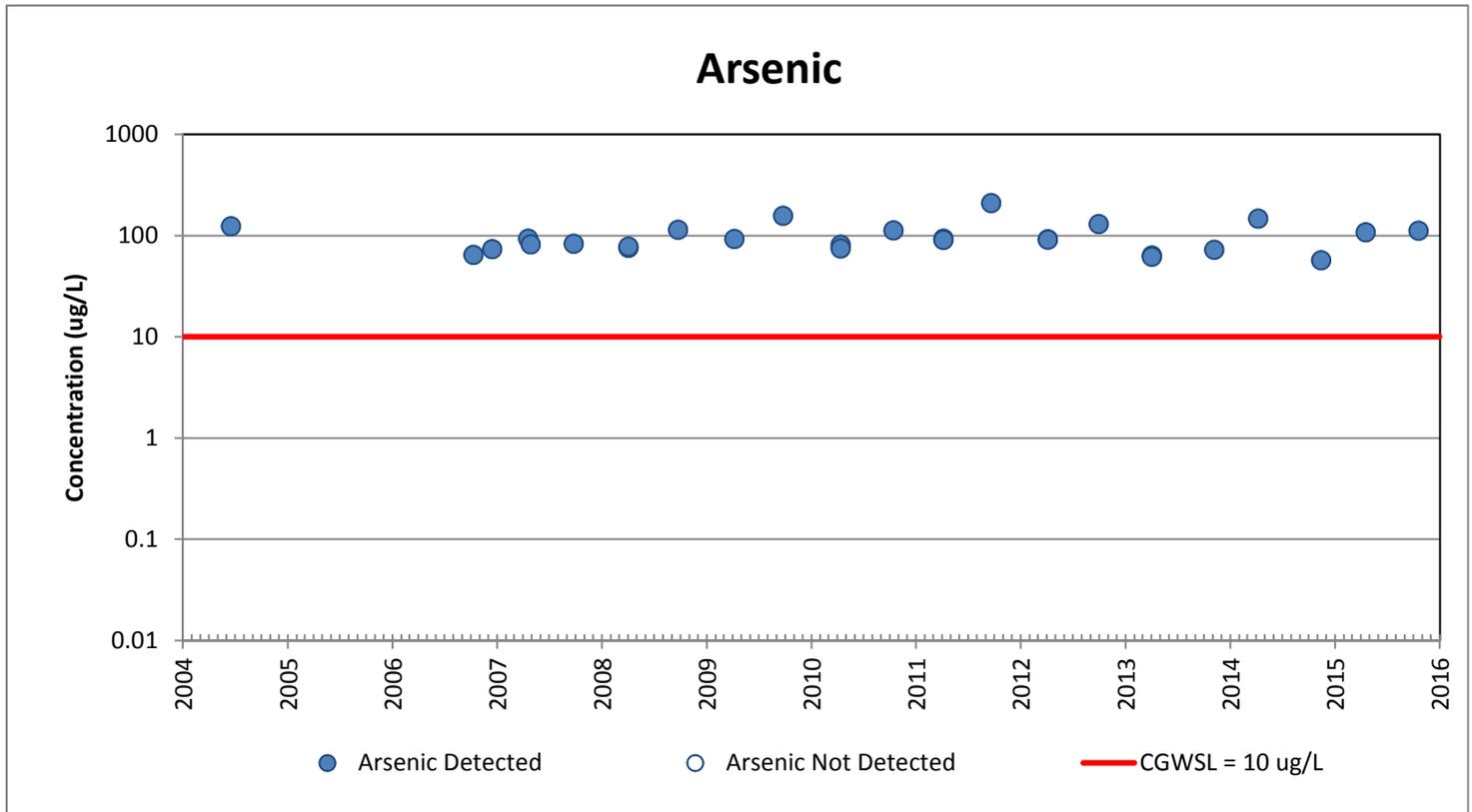
## MTBE



## Naphthalene

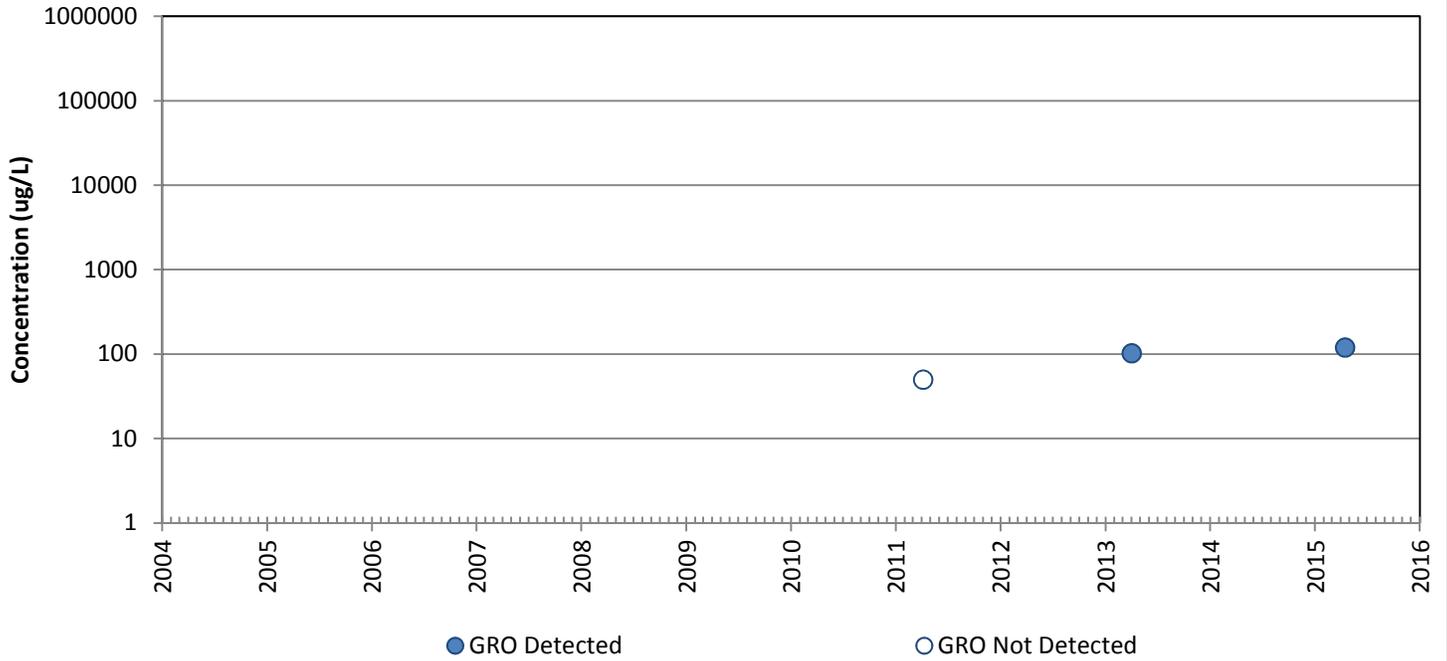


# MW-4A

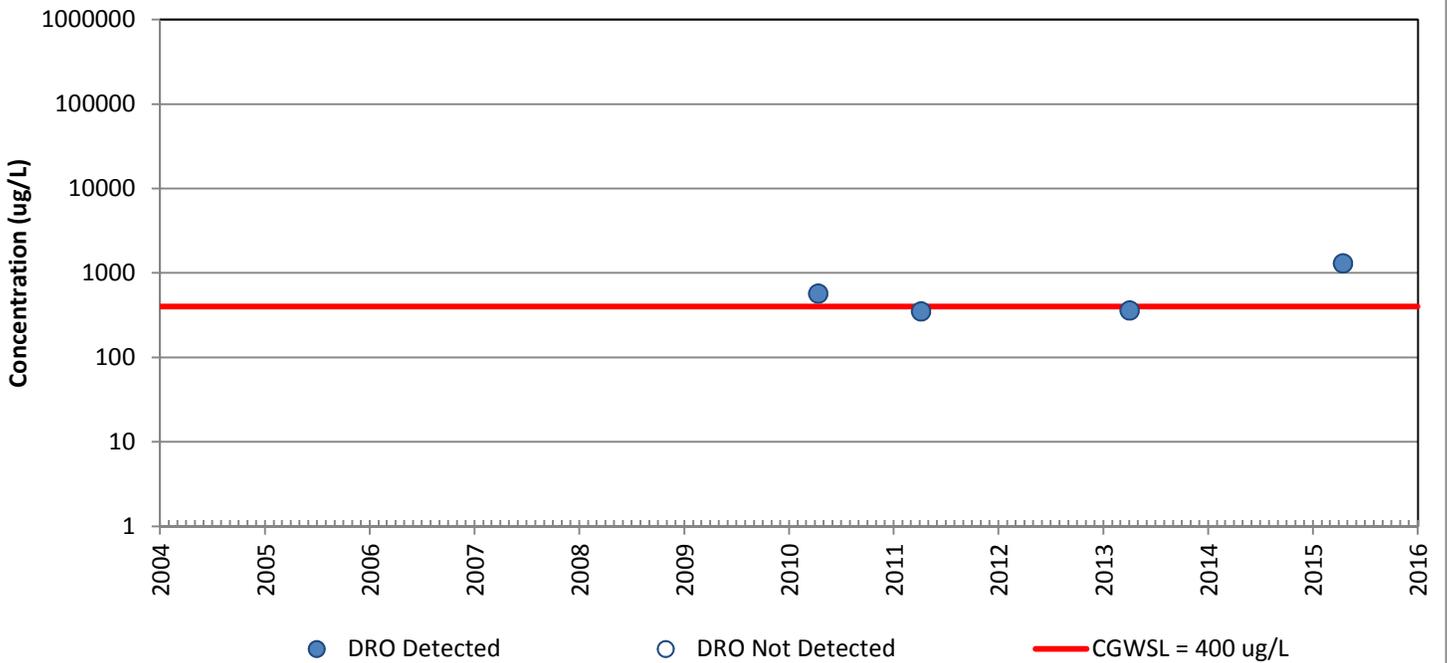


# MW-4B

## GRO



## DRO

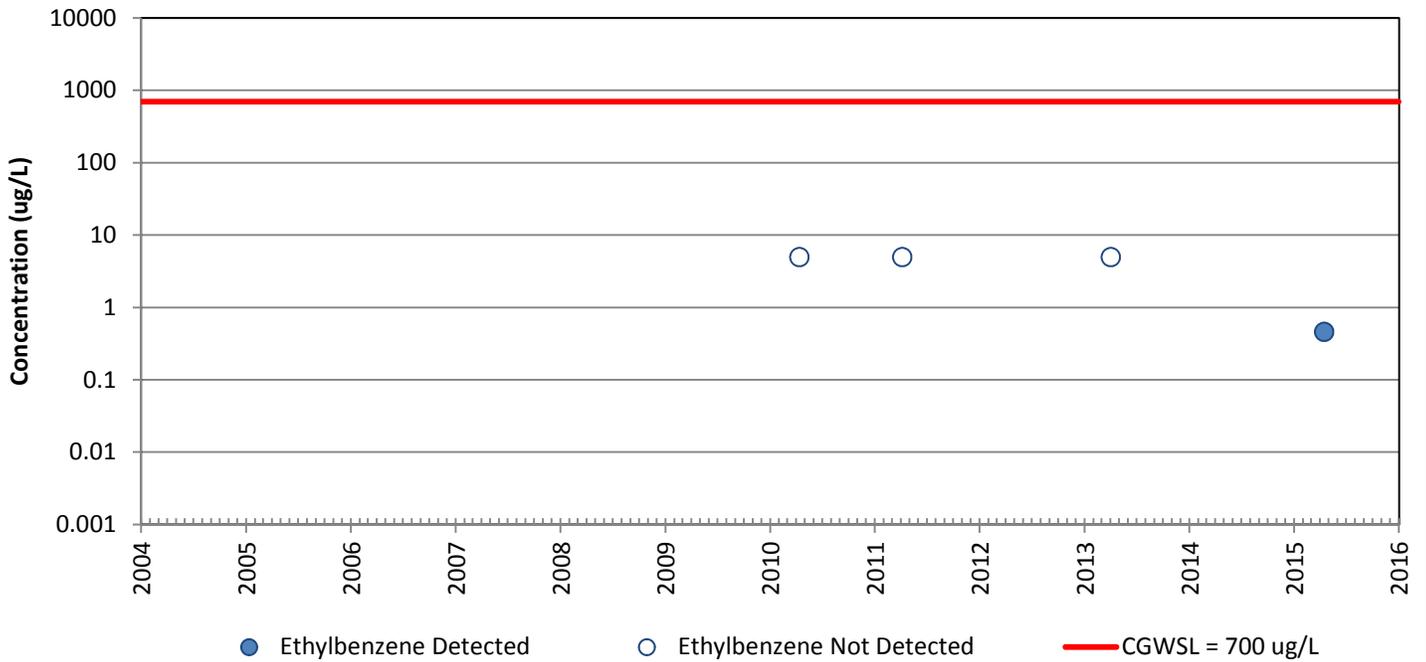


# MW-4B

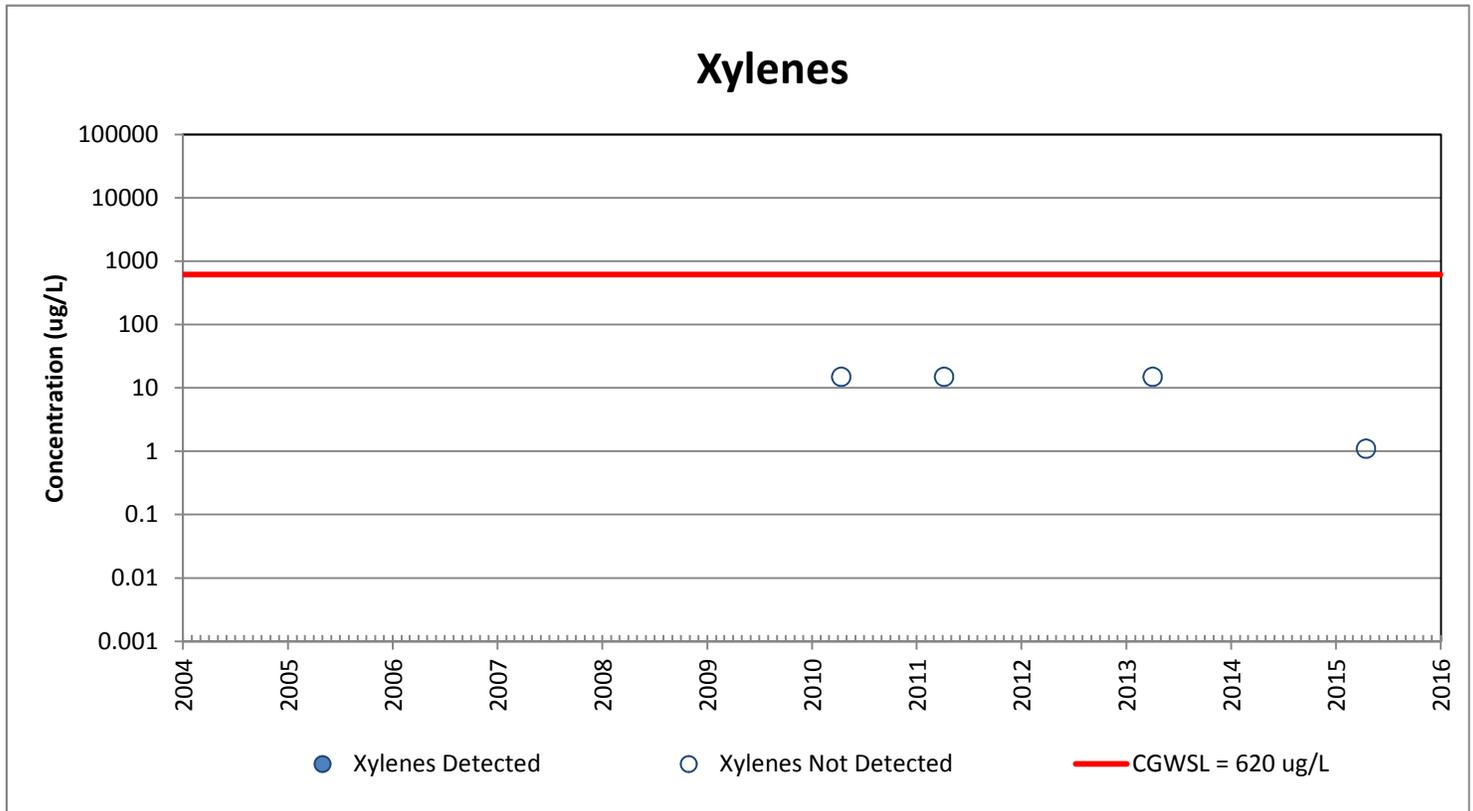
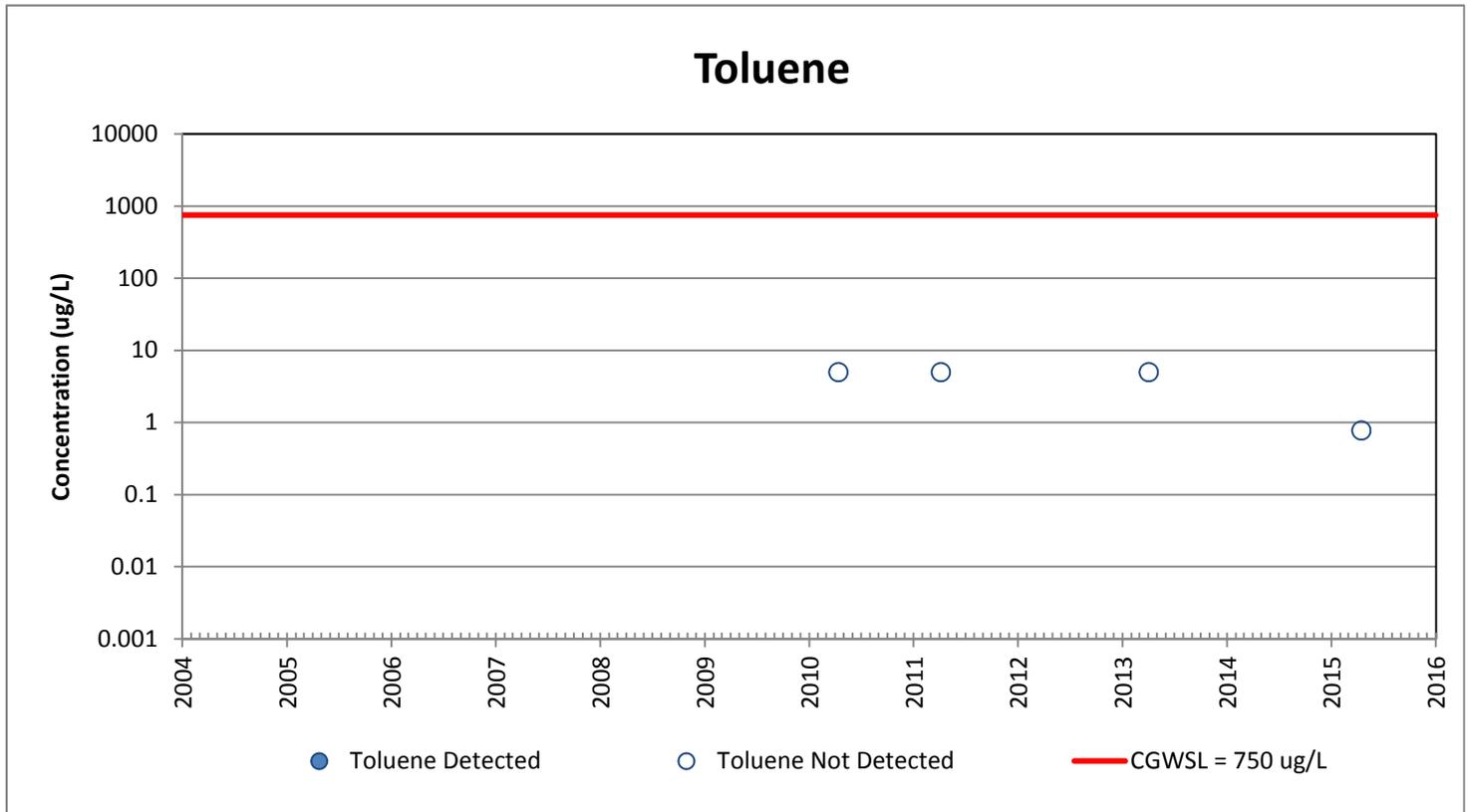
## Benzene



## Ethylbenzene

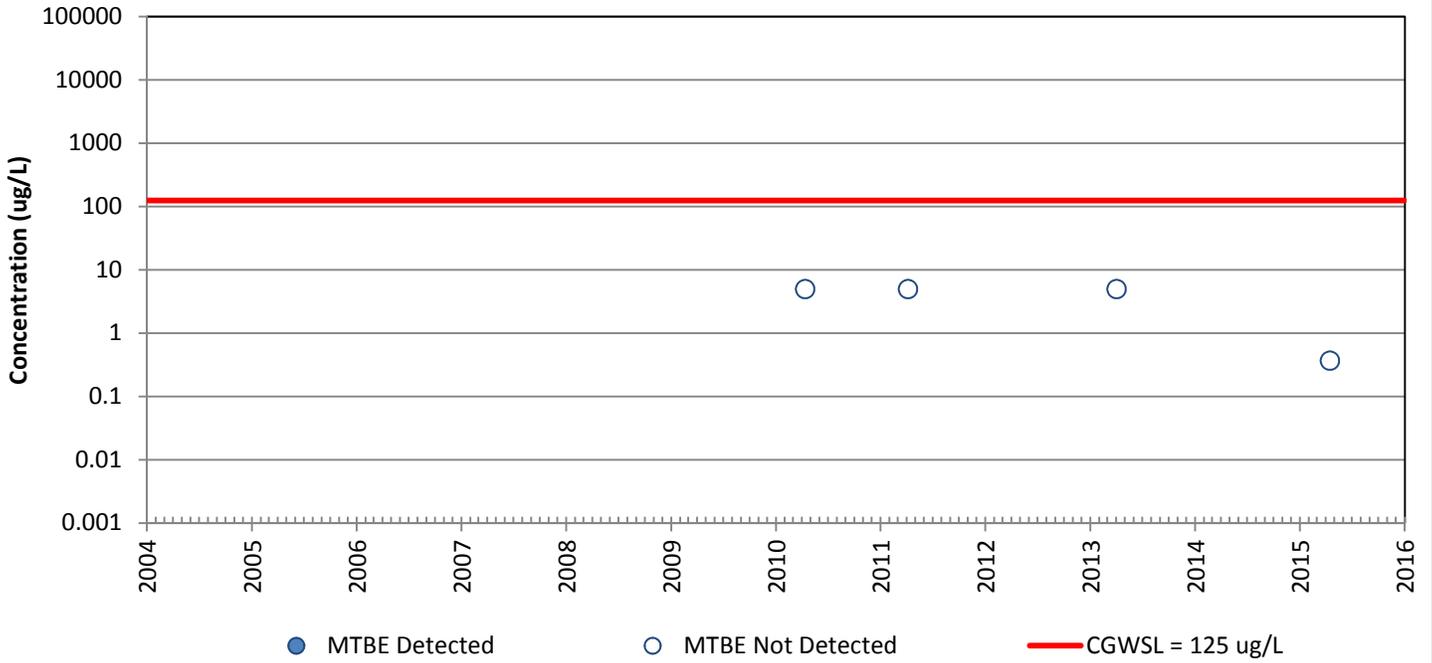


# MW-4B

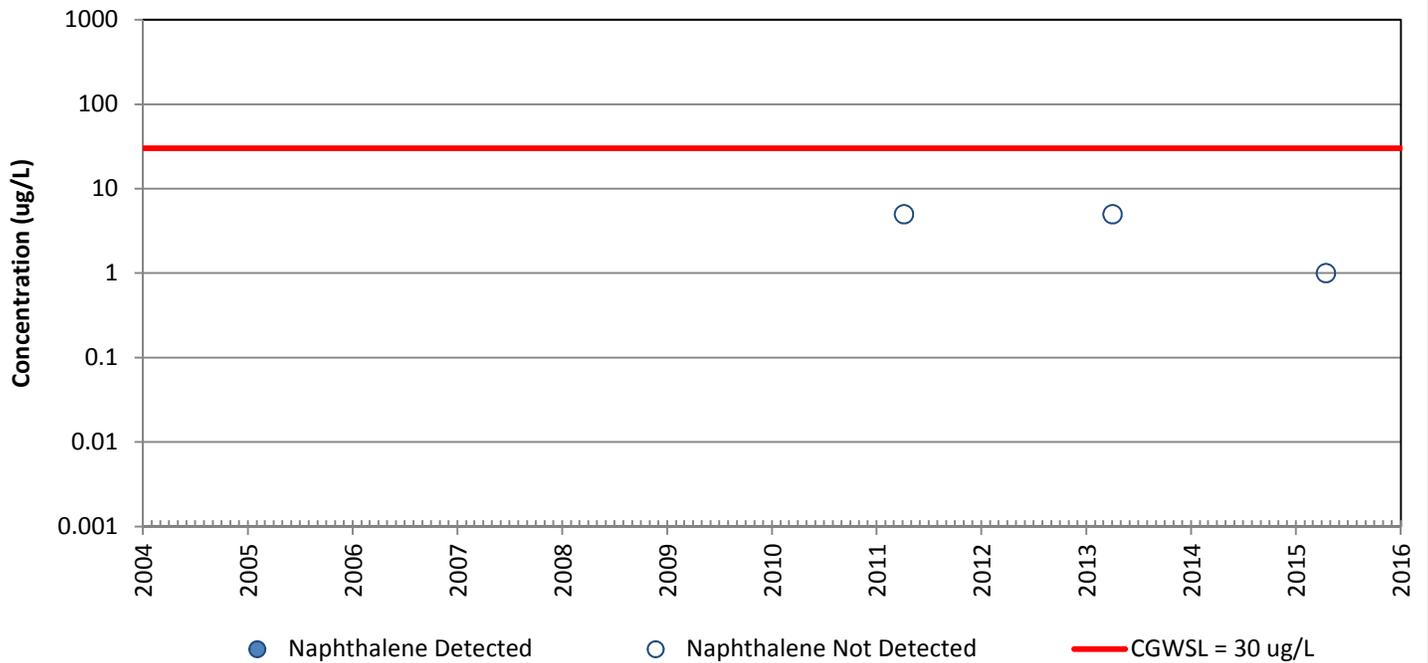


# MW-4B

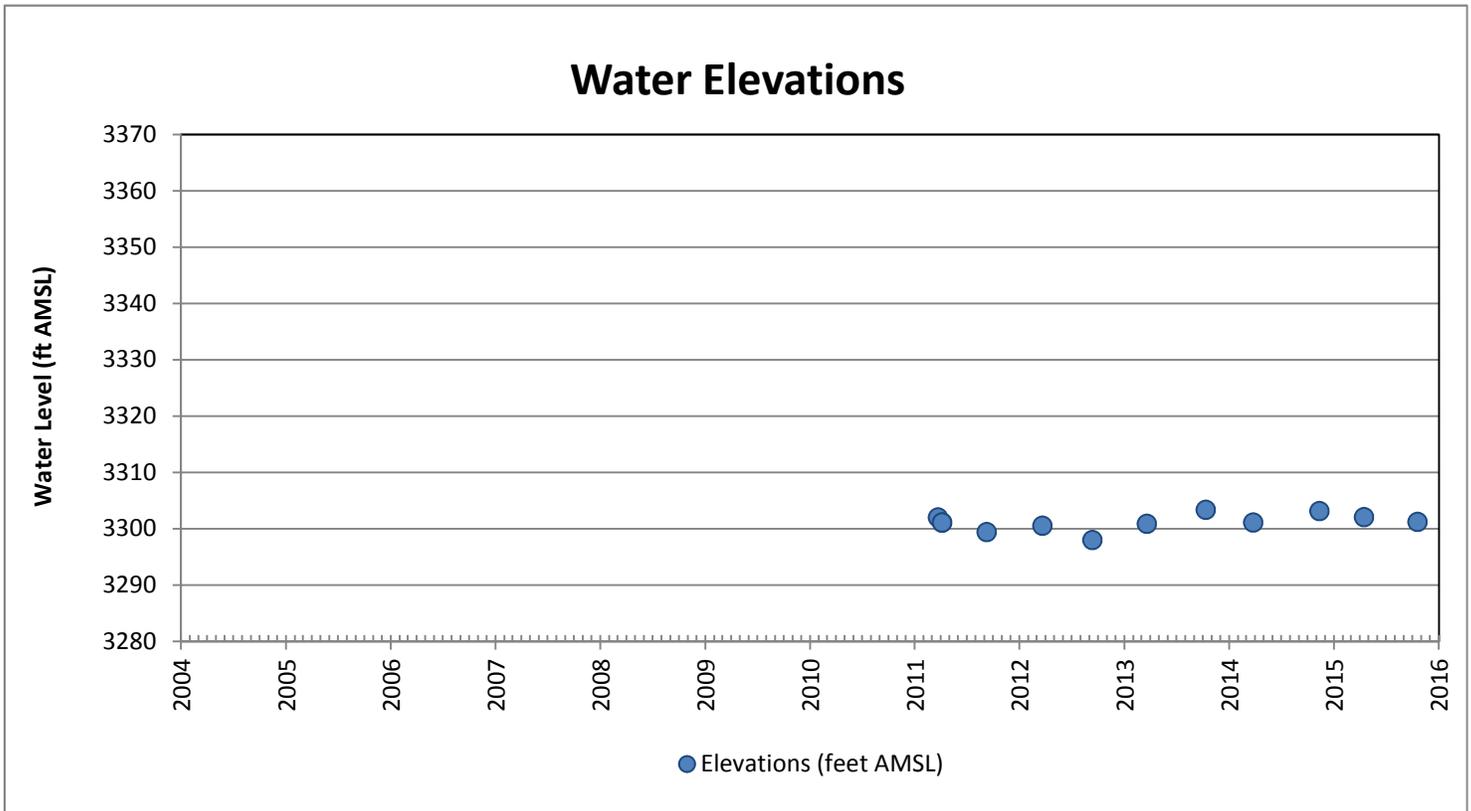
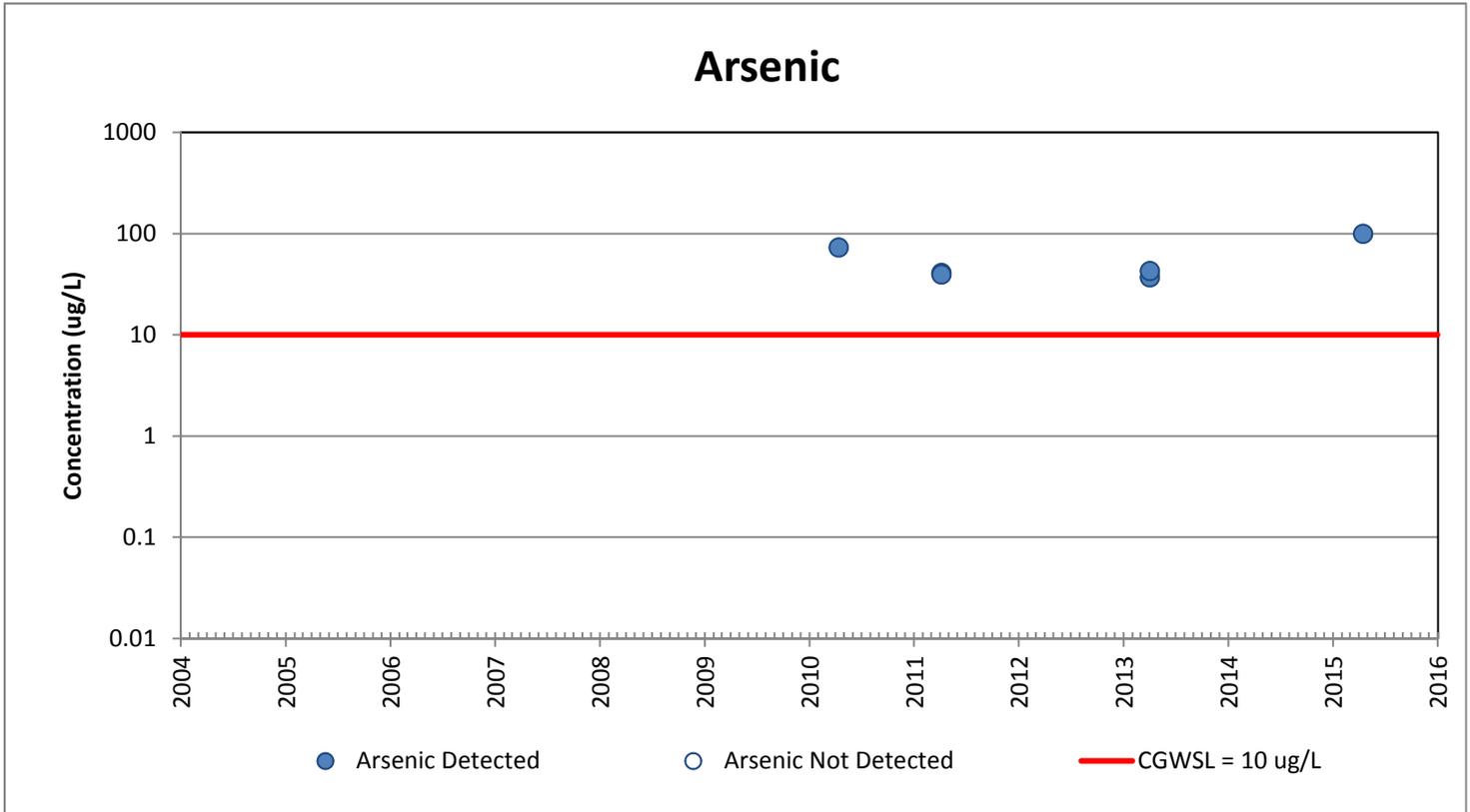
## MTBE



## Naphthalene

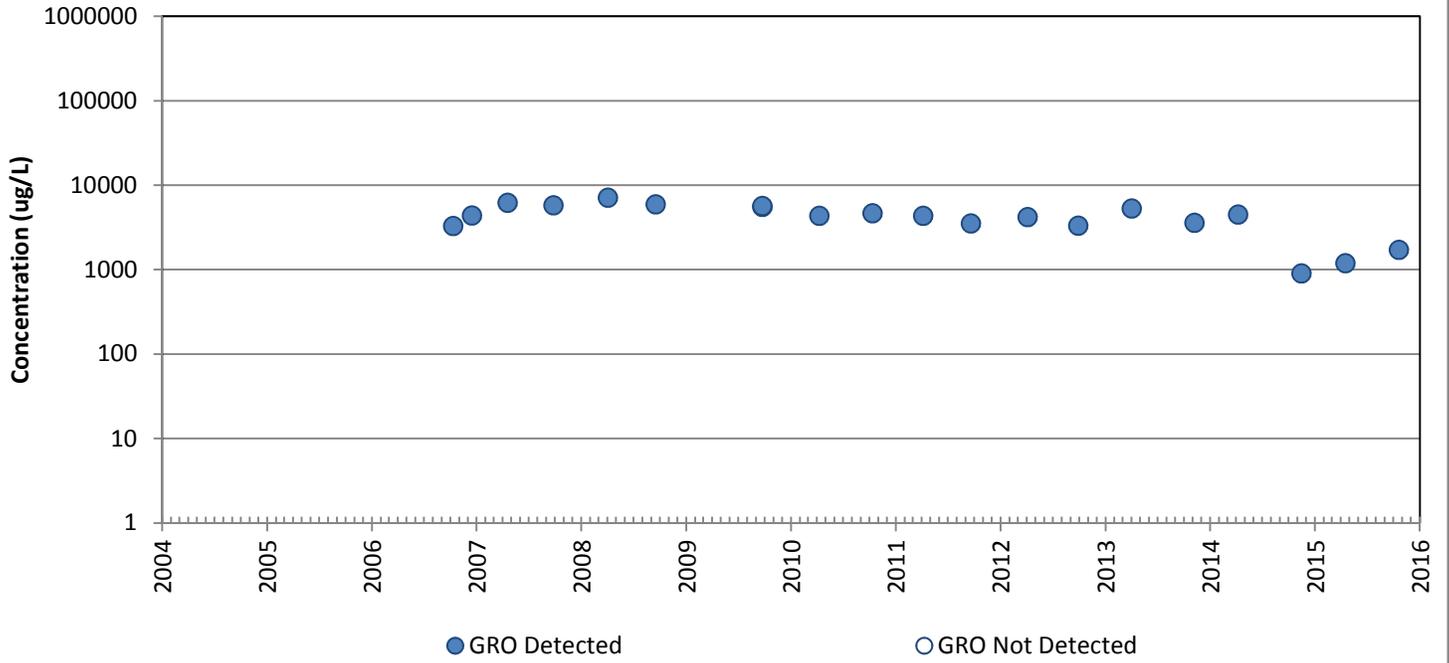


# MW-4B

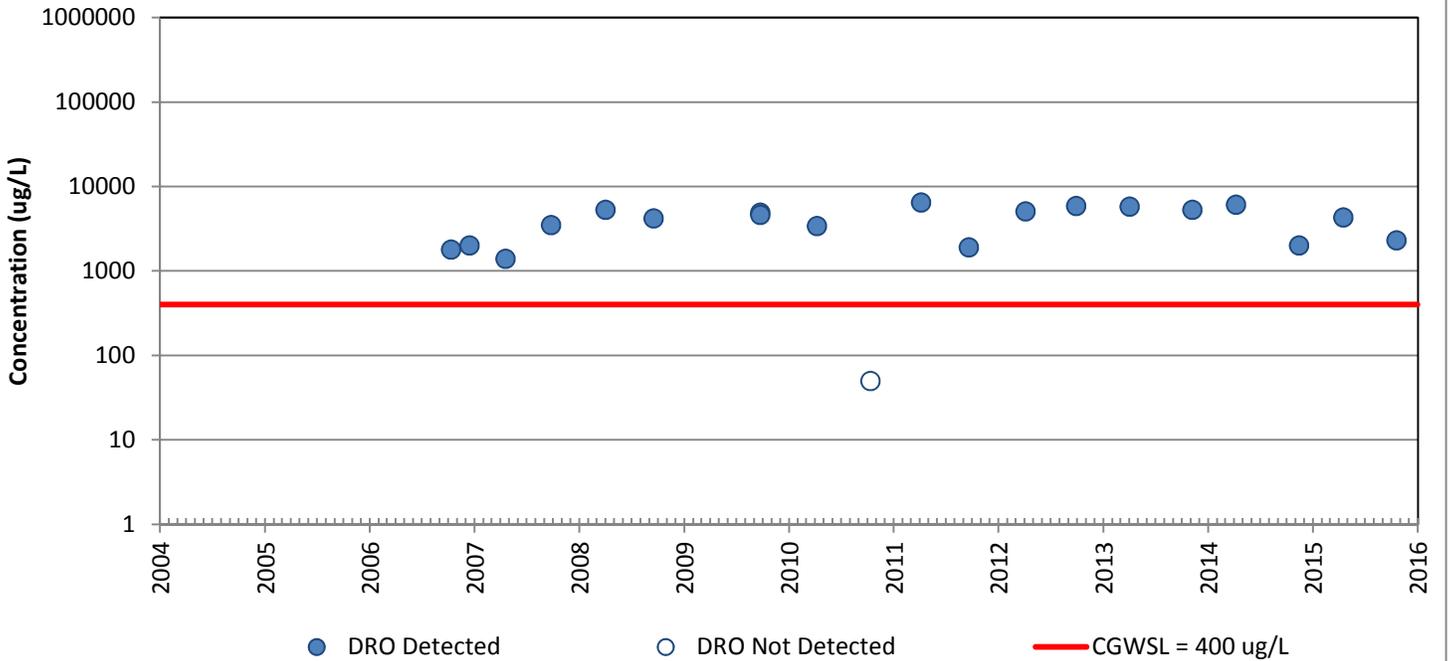


# MW-5A

## GRO

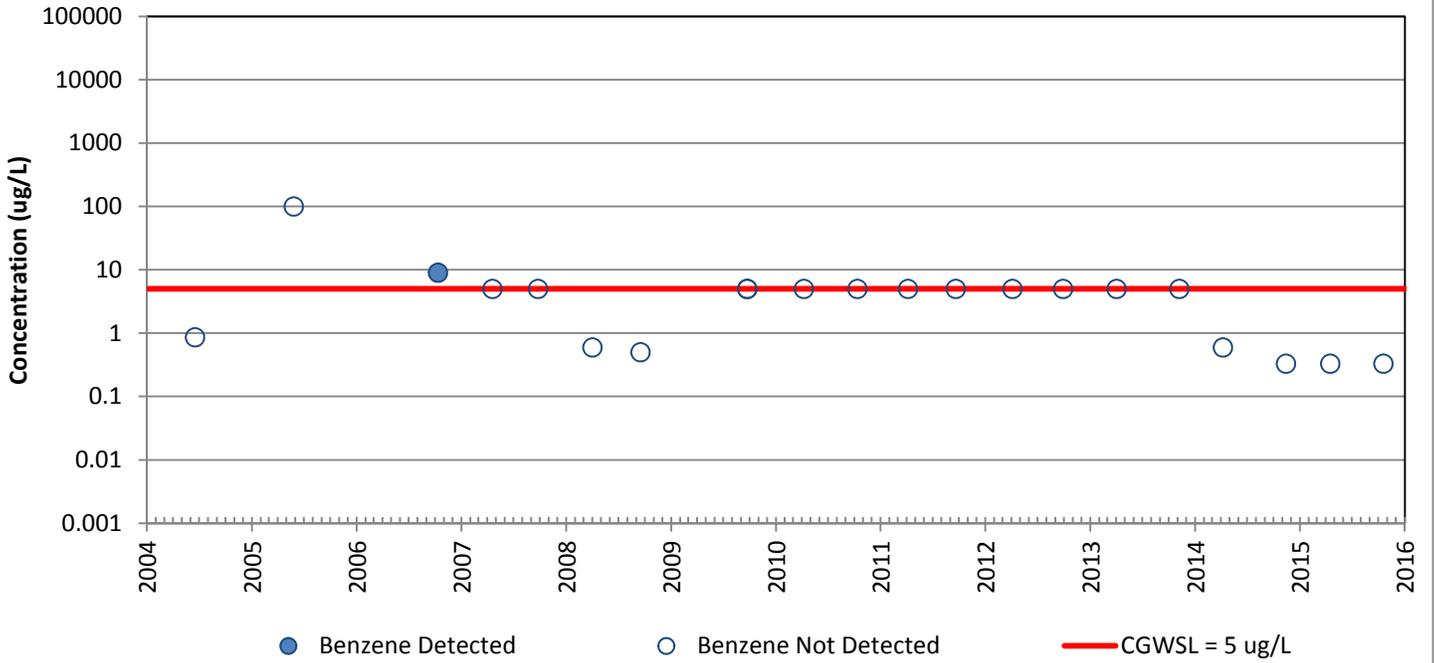


## DRO

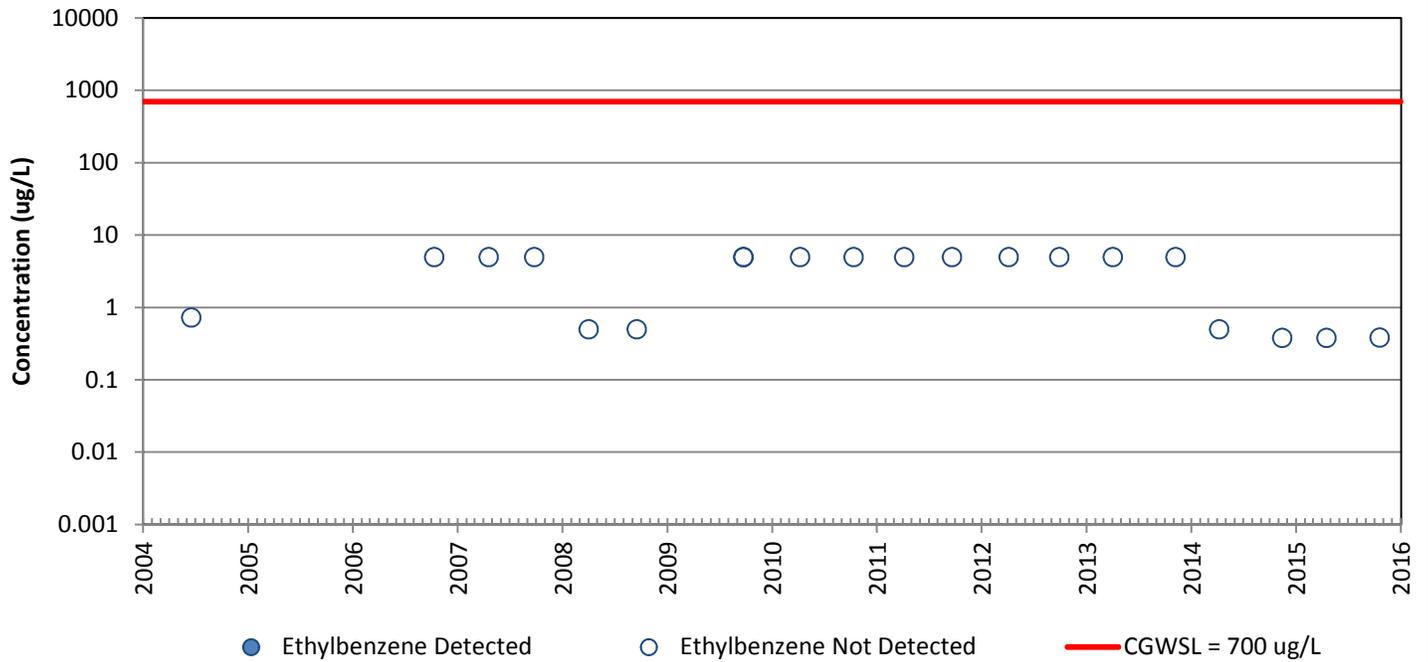


# MW-5A

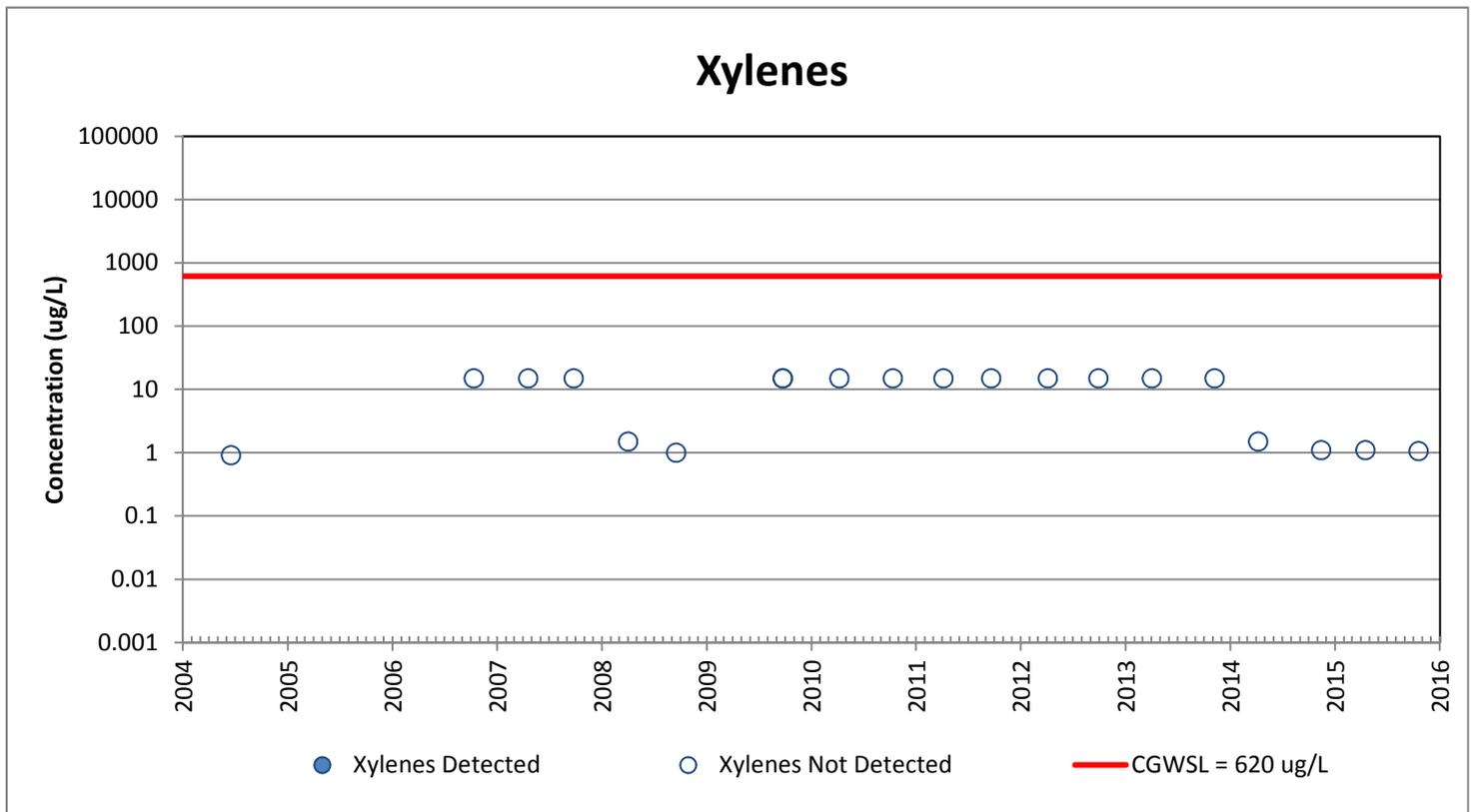
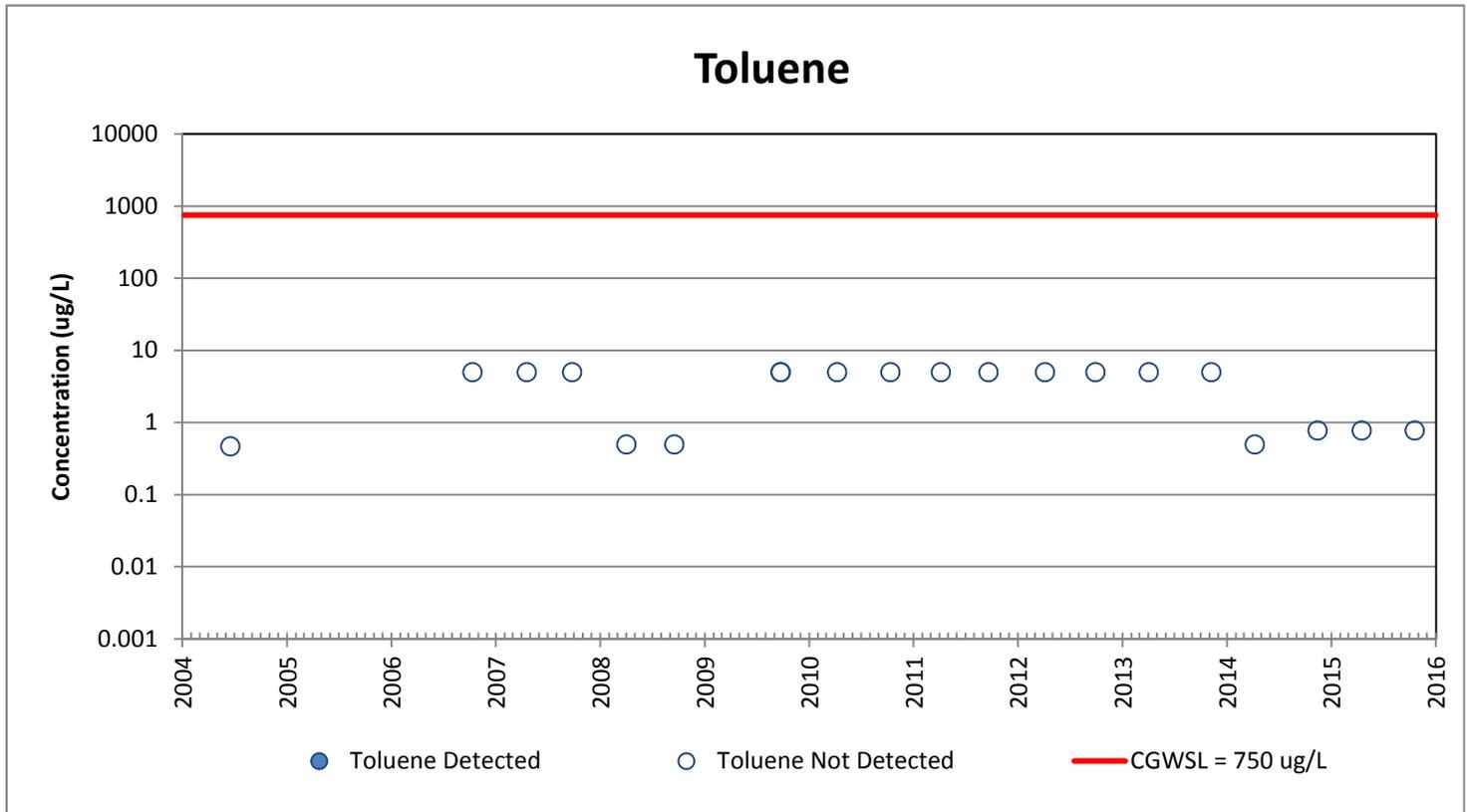
## Benzene



## Ethylbenzene

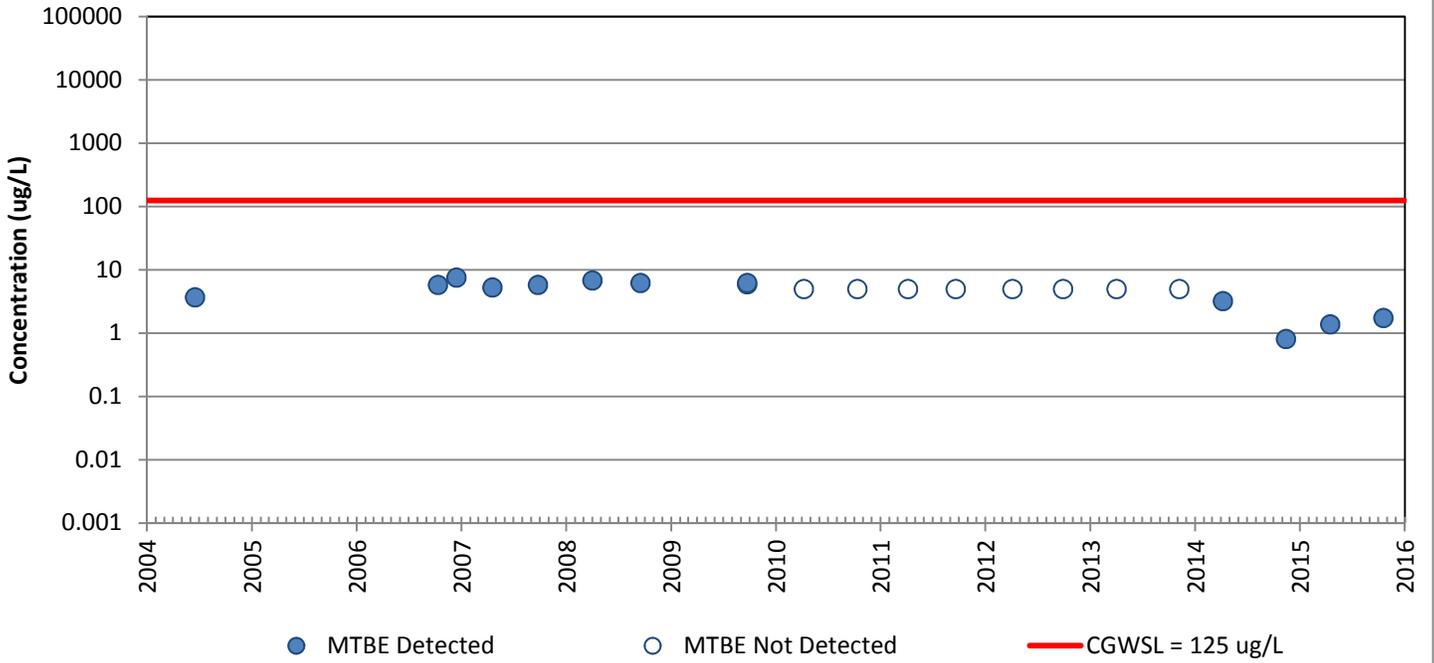


# MW-5A

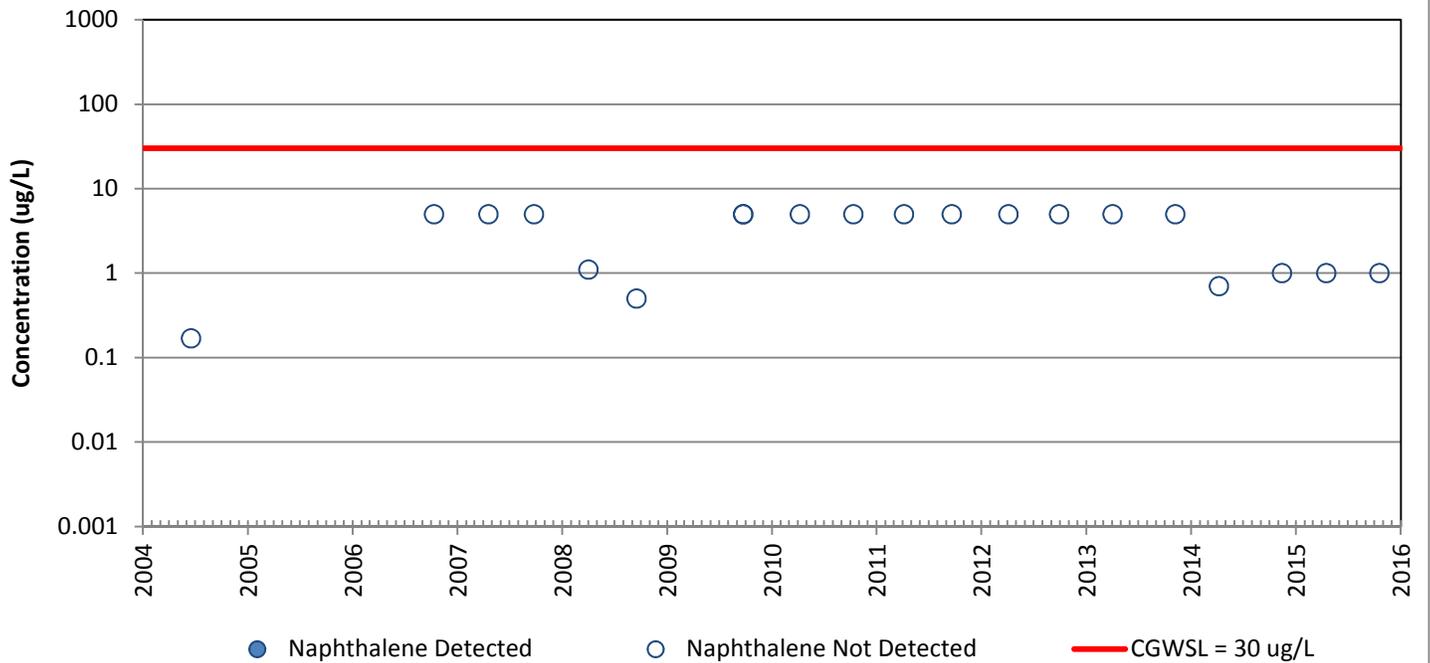


# MW-5A

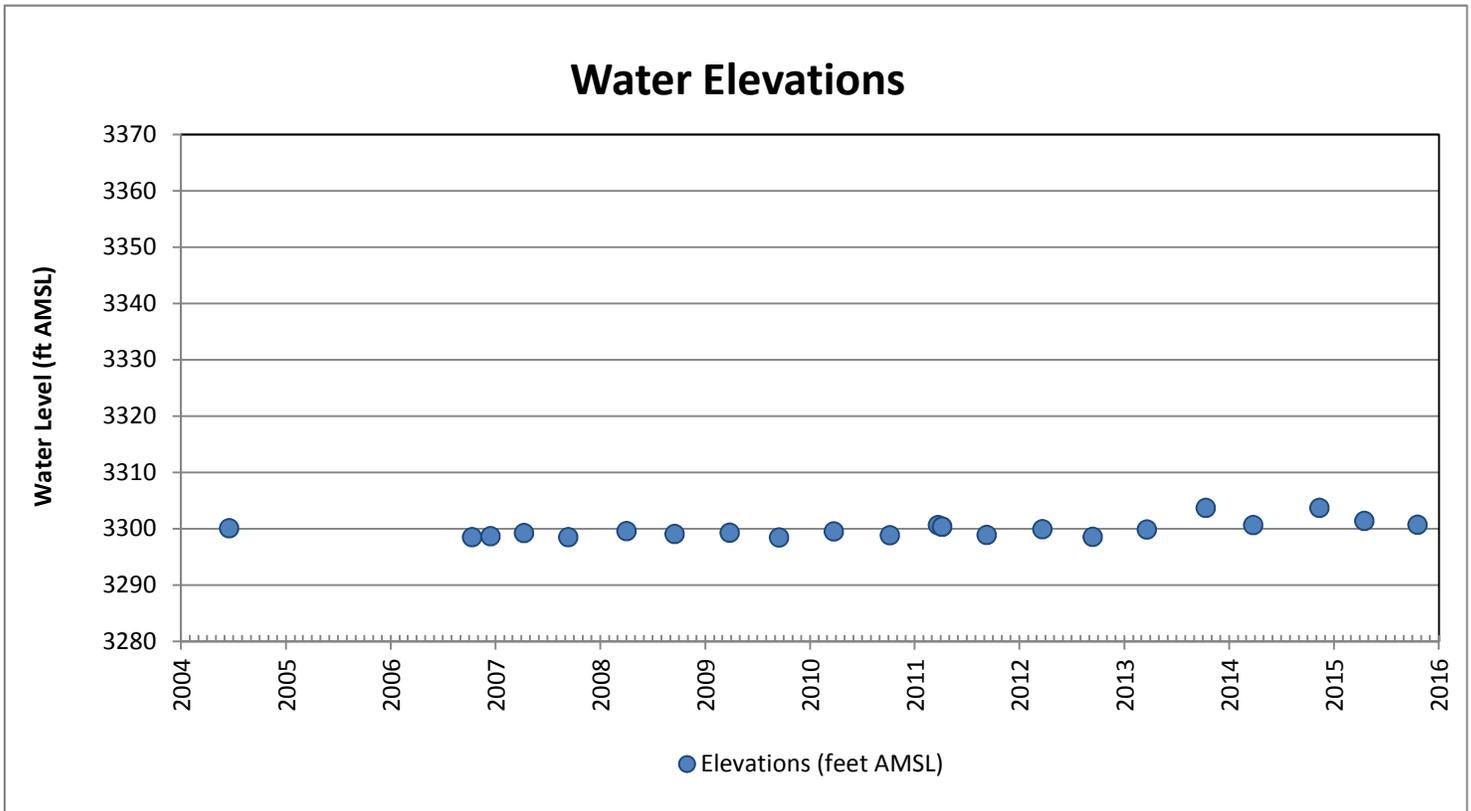
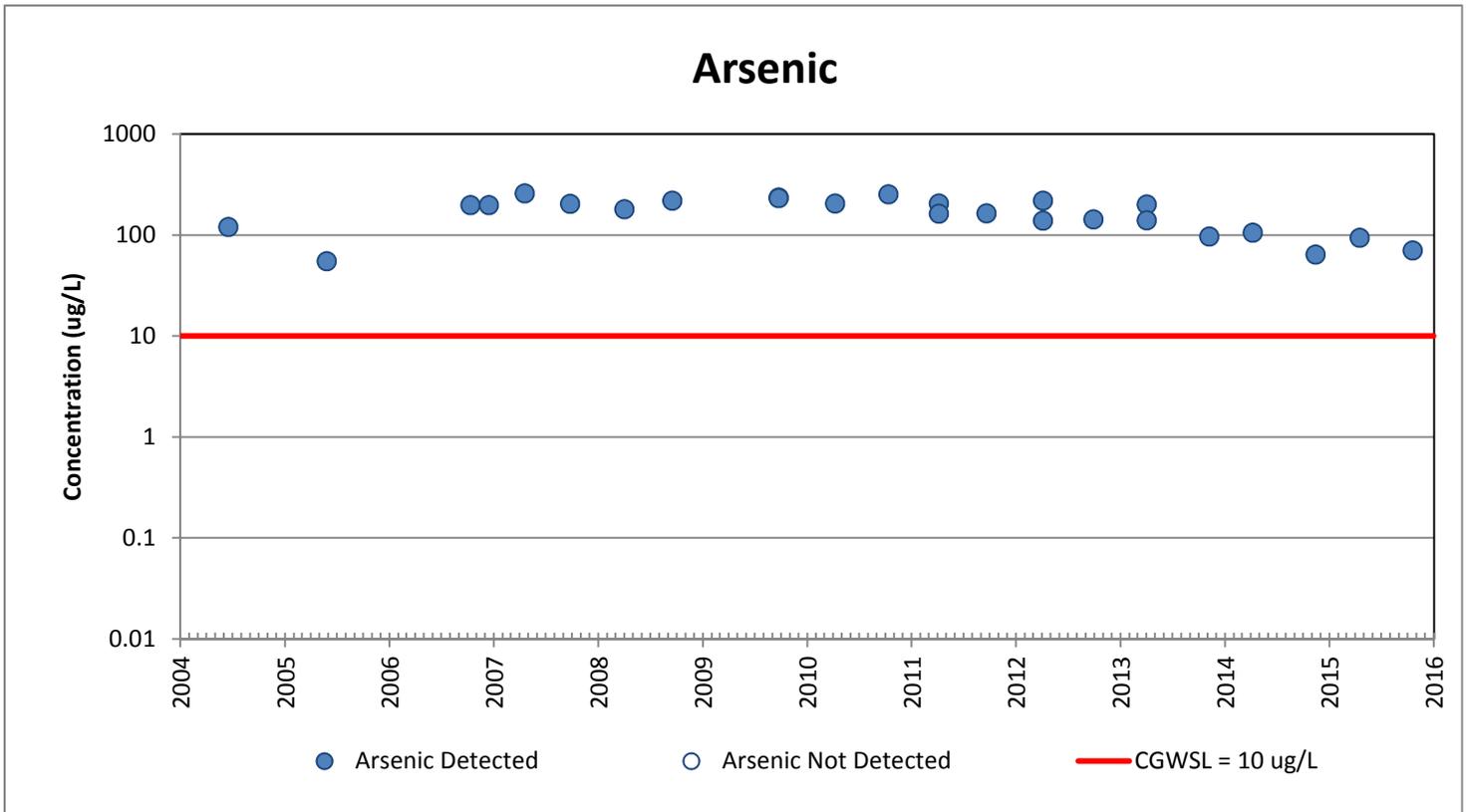
## MTBE



## Naphthalene

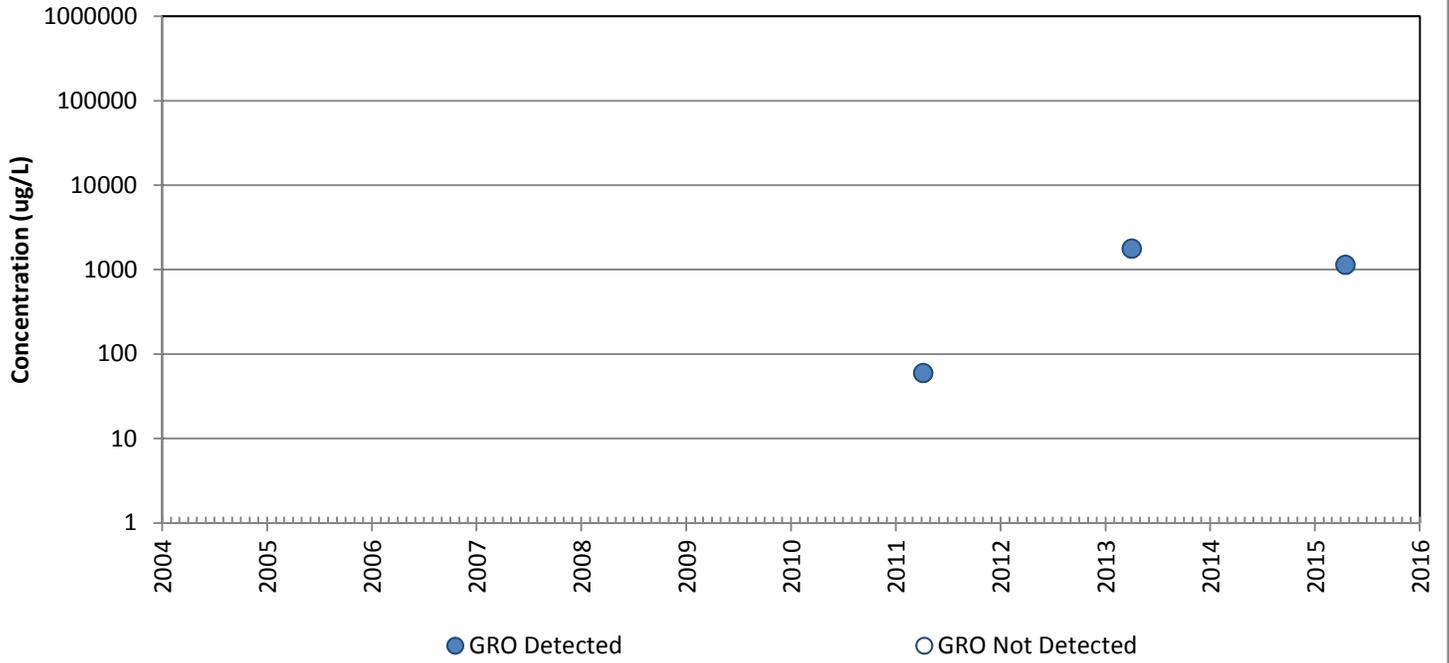


# MW-5A

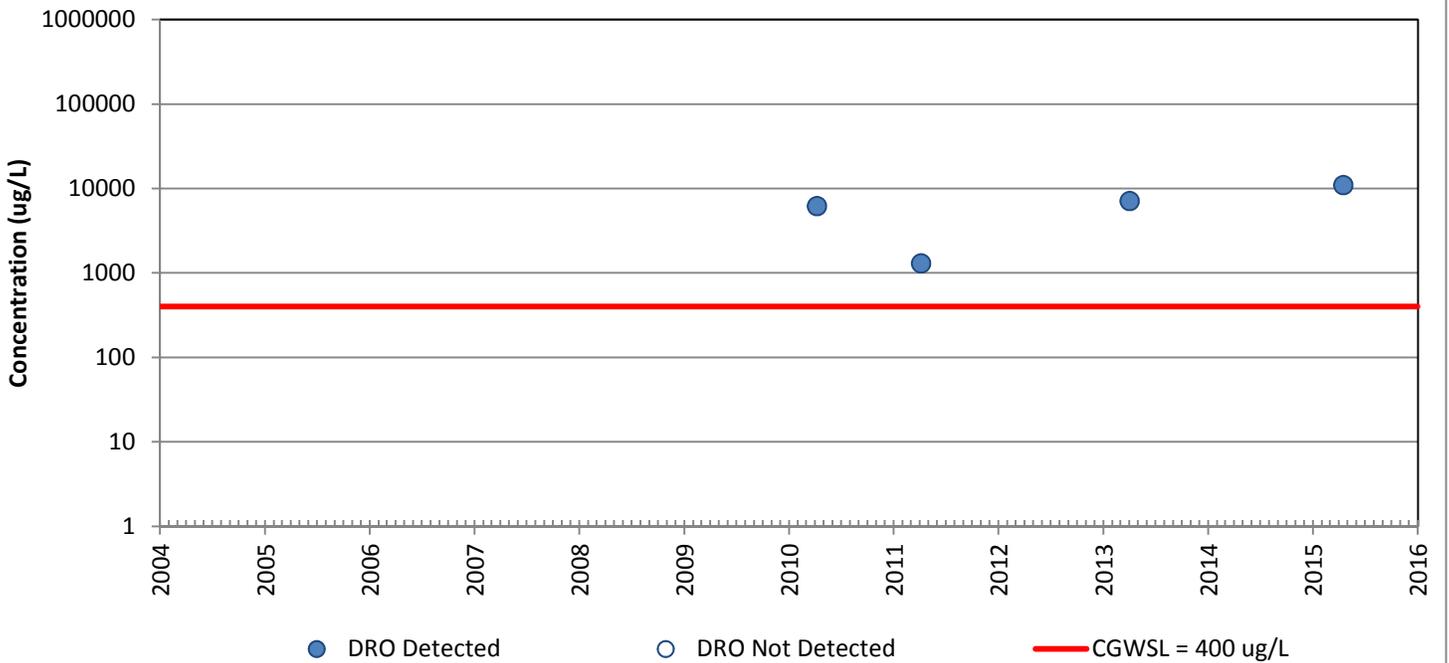


# MW-5B

## GRO



## DRO

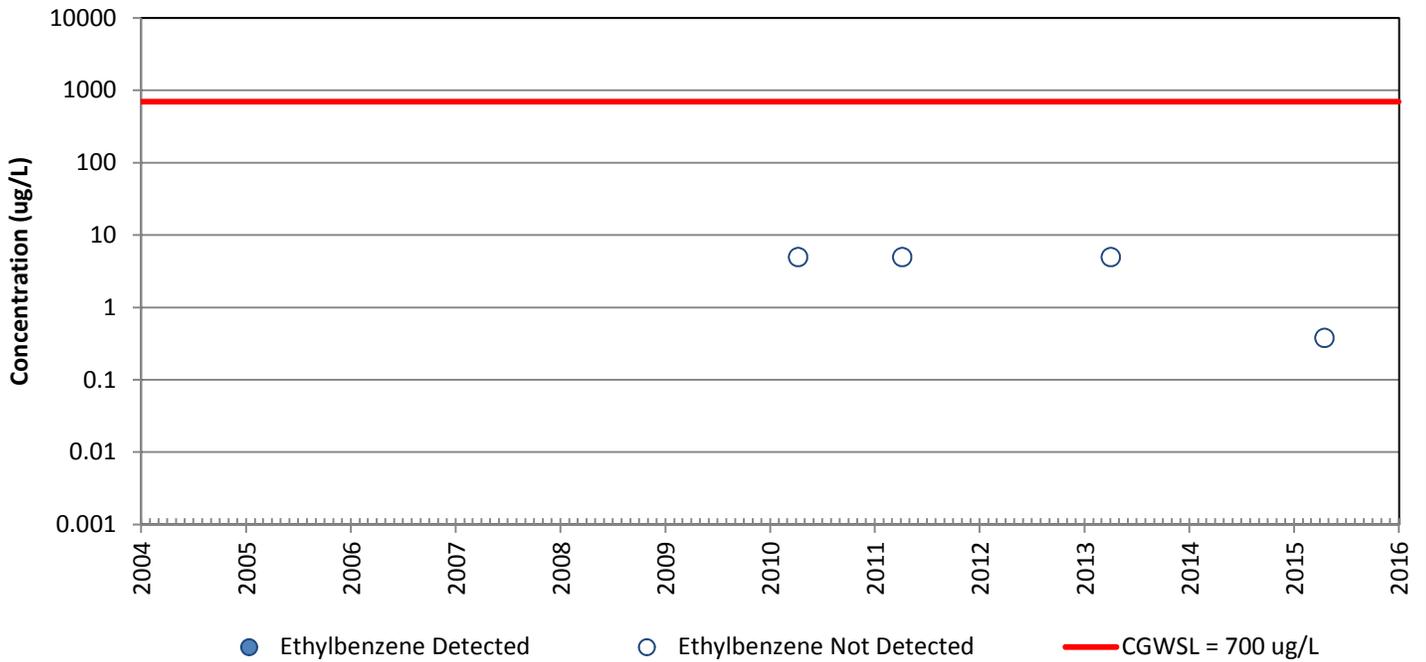


# MW-5B

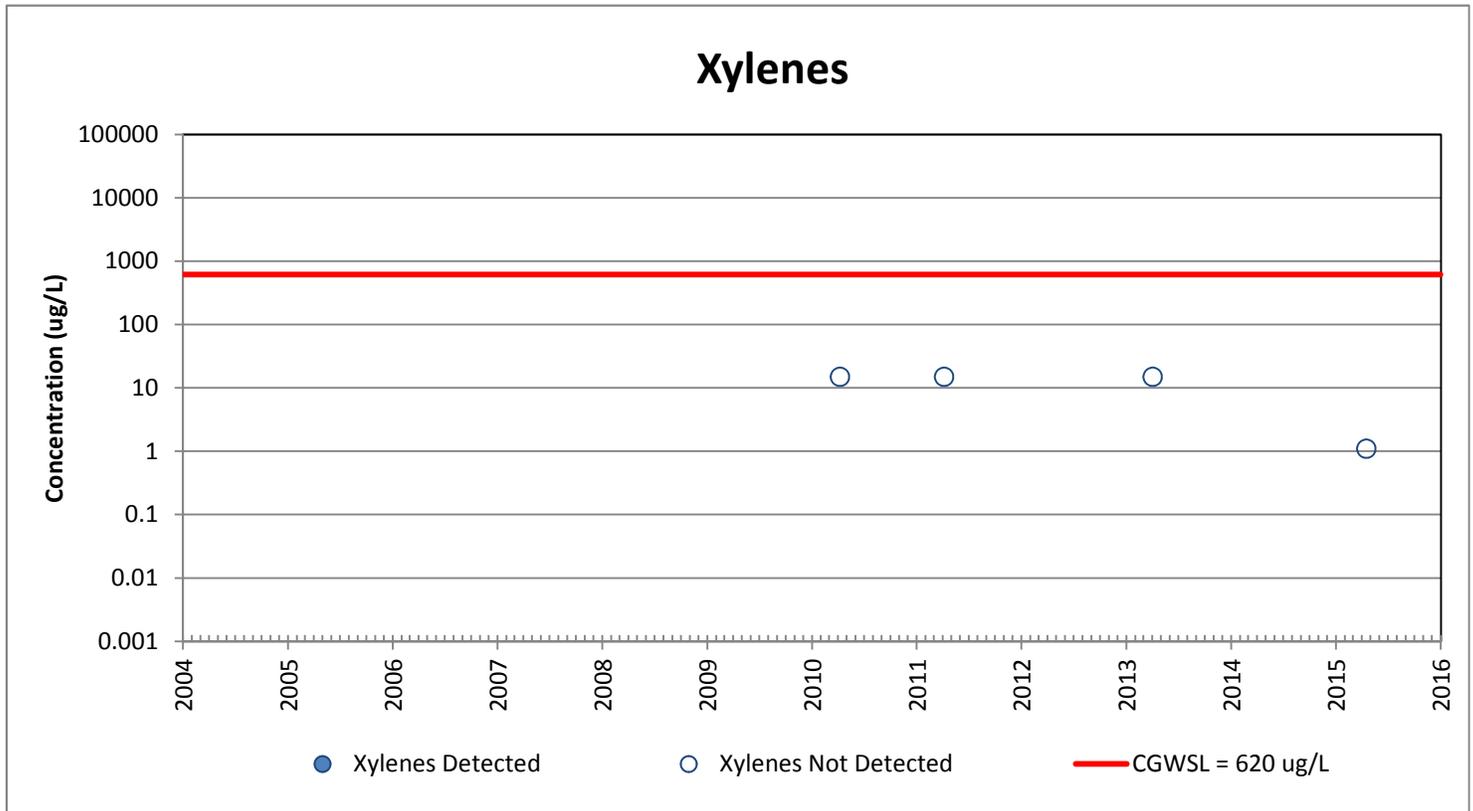
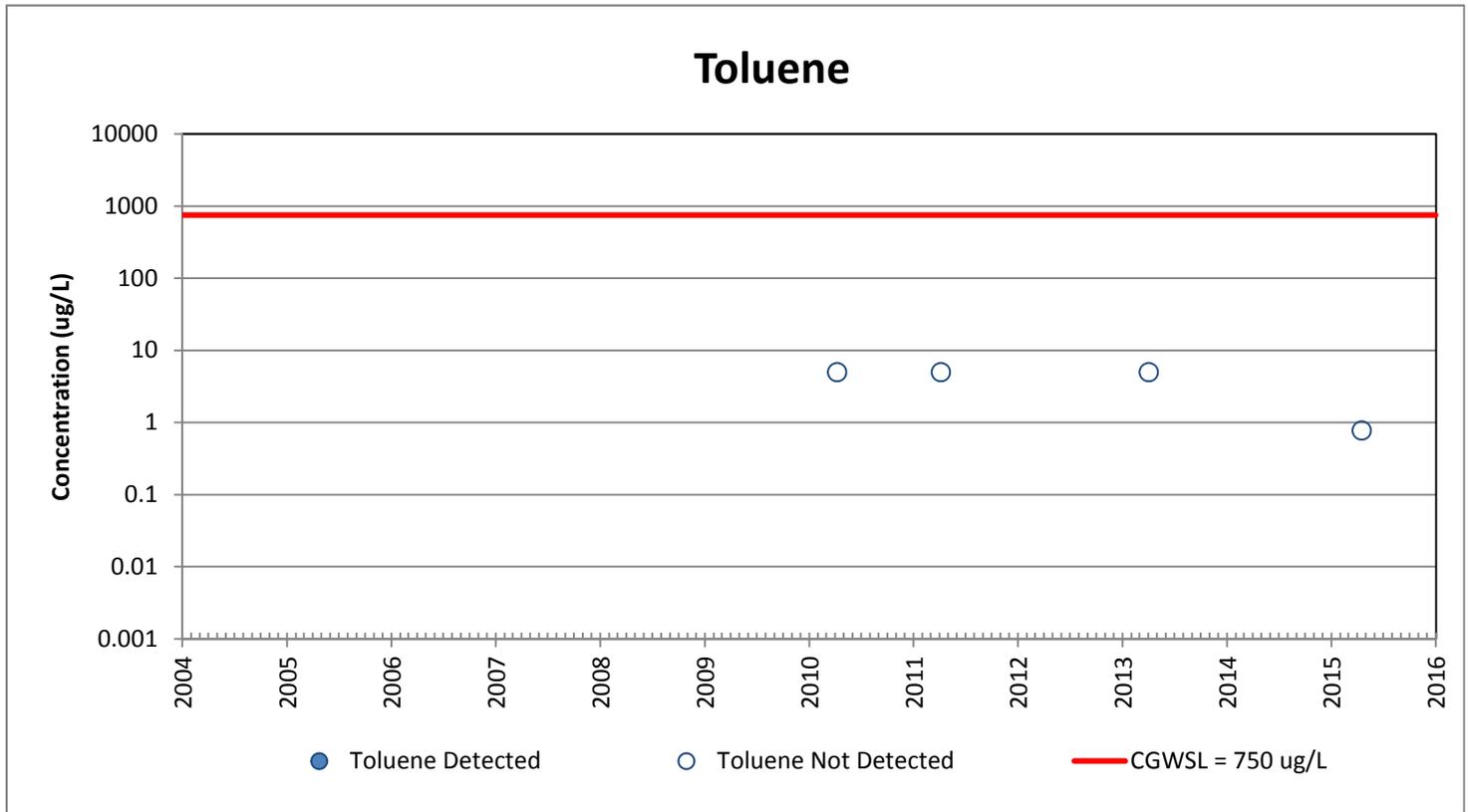
## Benzene



## Ethylbenzene

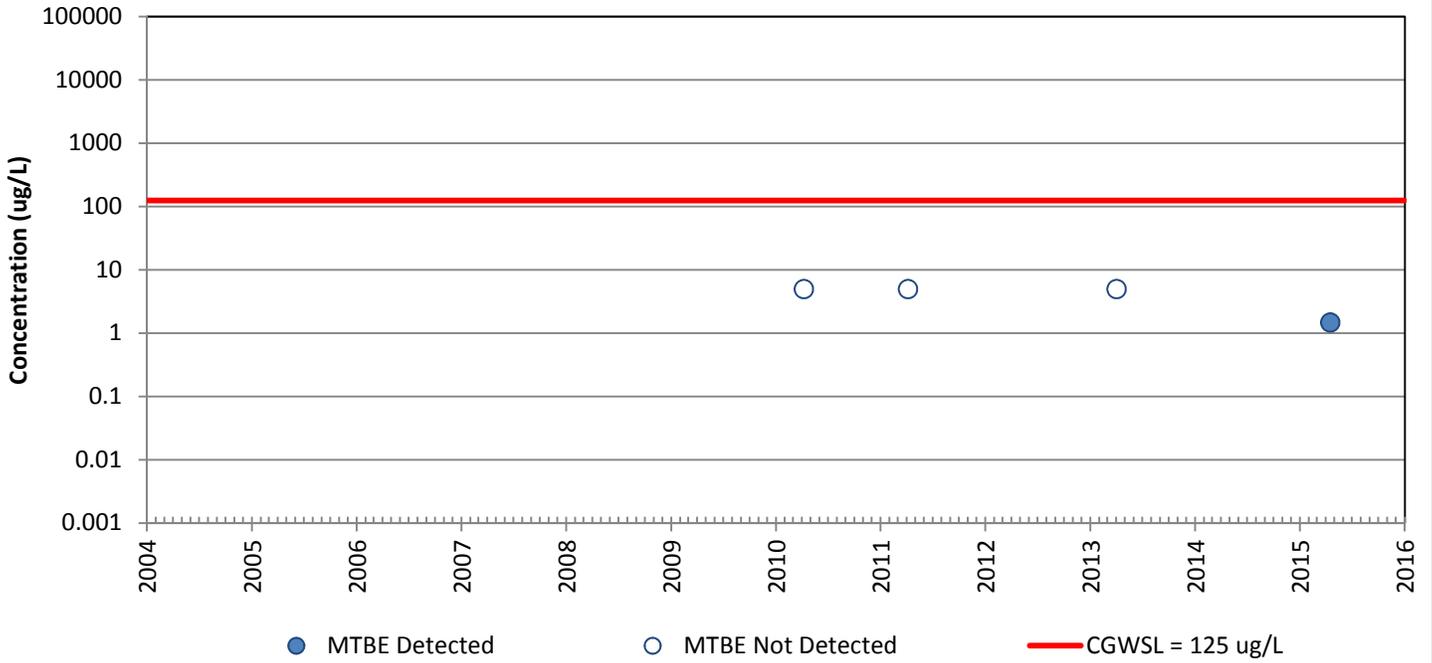


# MW-5B

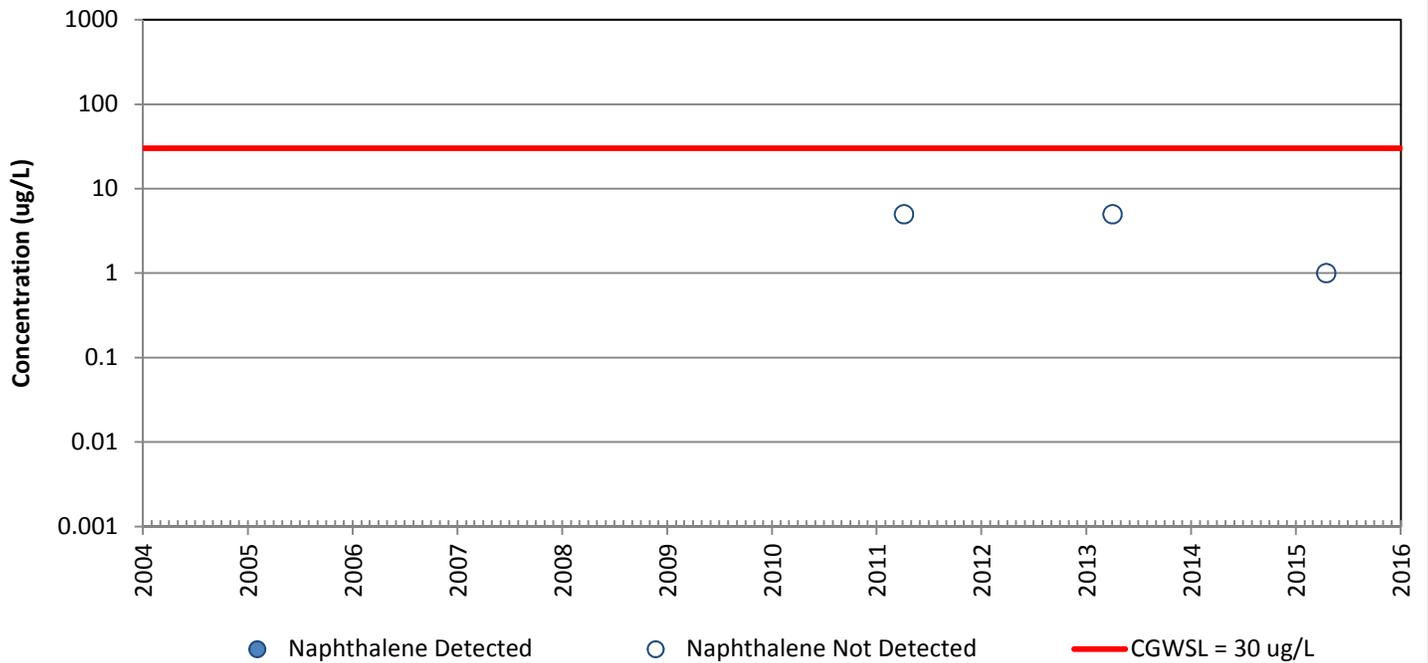


# MW-5B

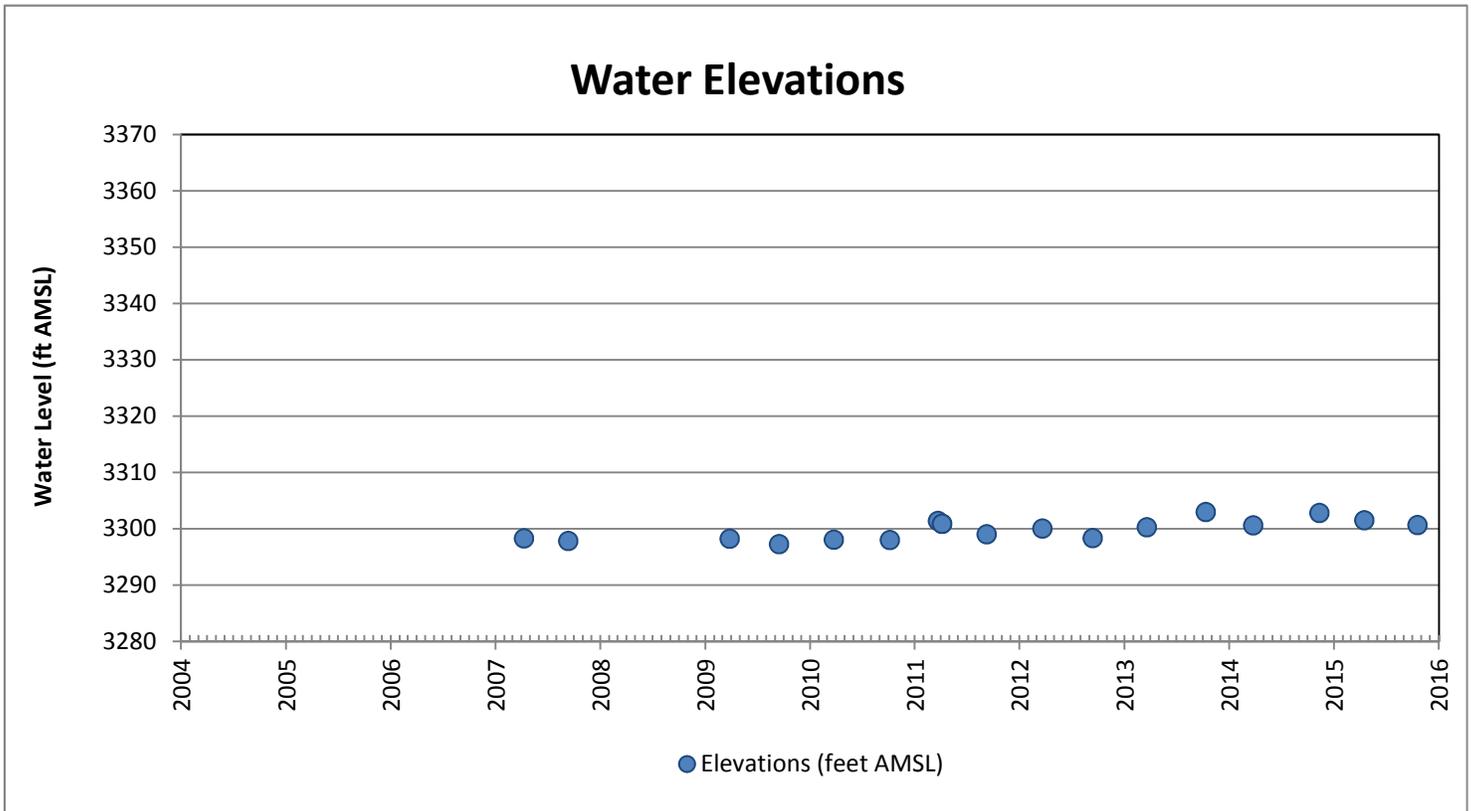
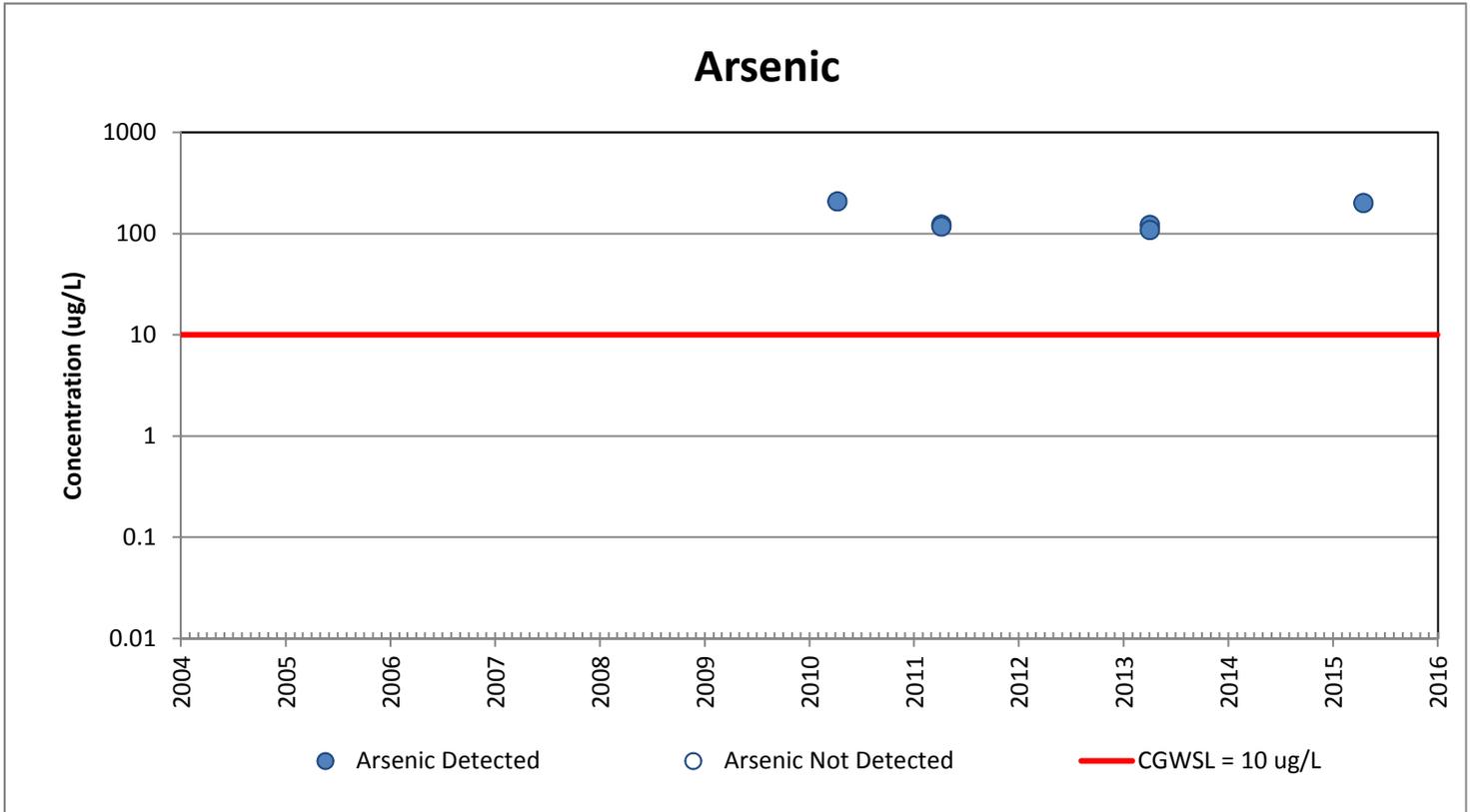
## MTBE



## Naphthalene

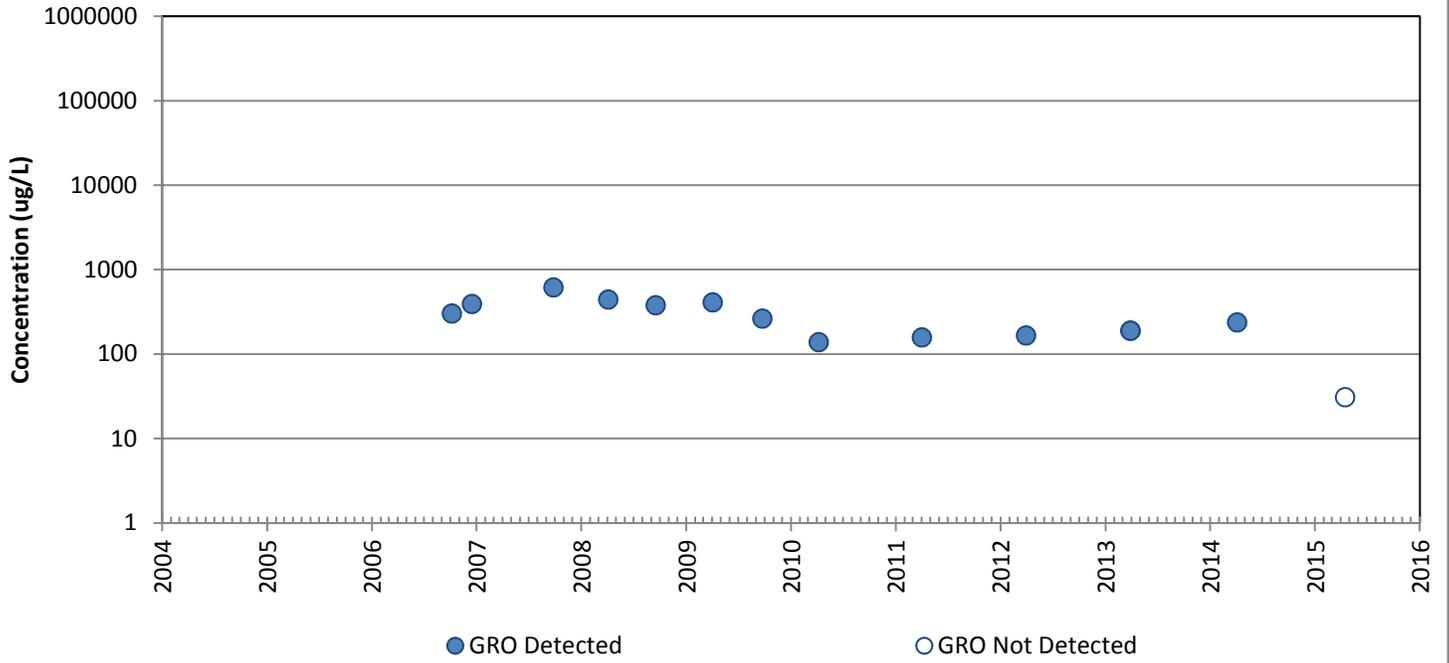


# MW-5B

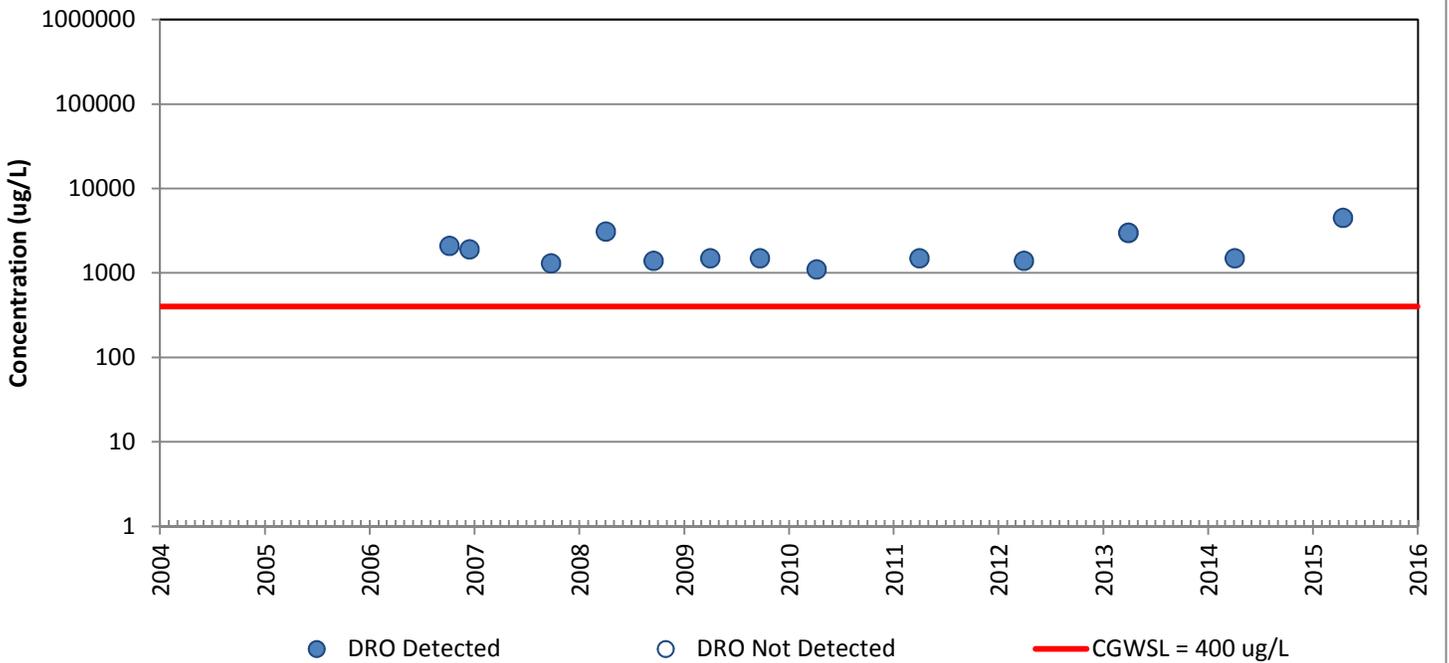


# MW-6A

## GRO

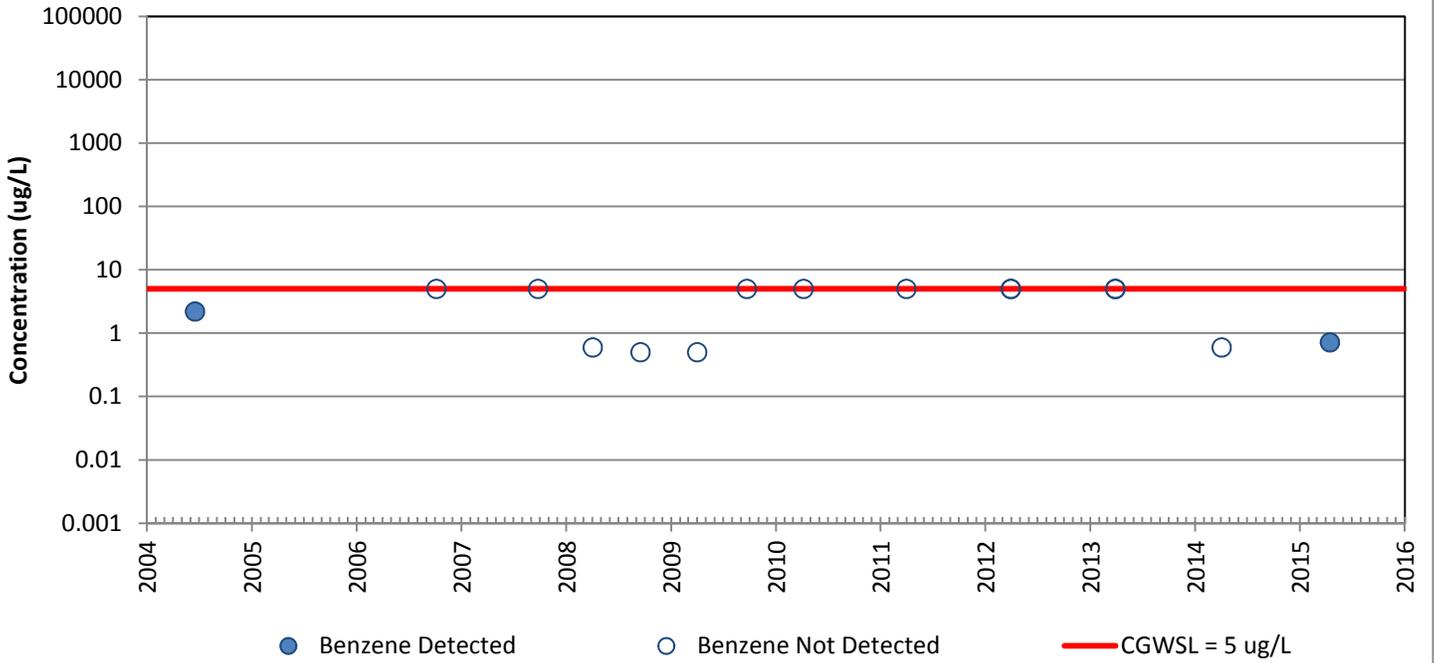


## DRO

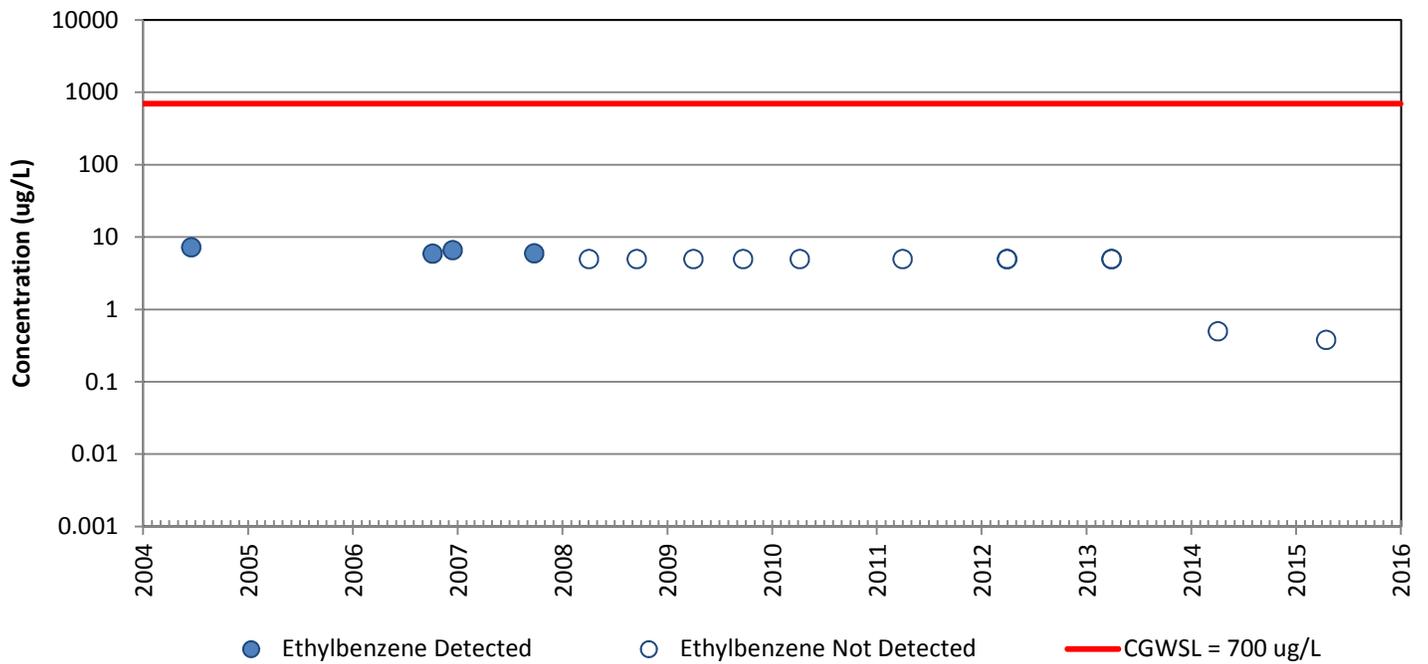


# MW-6A

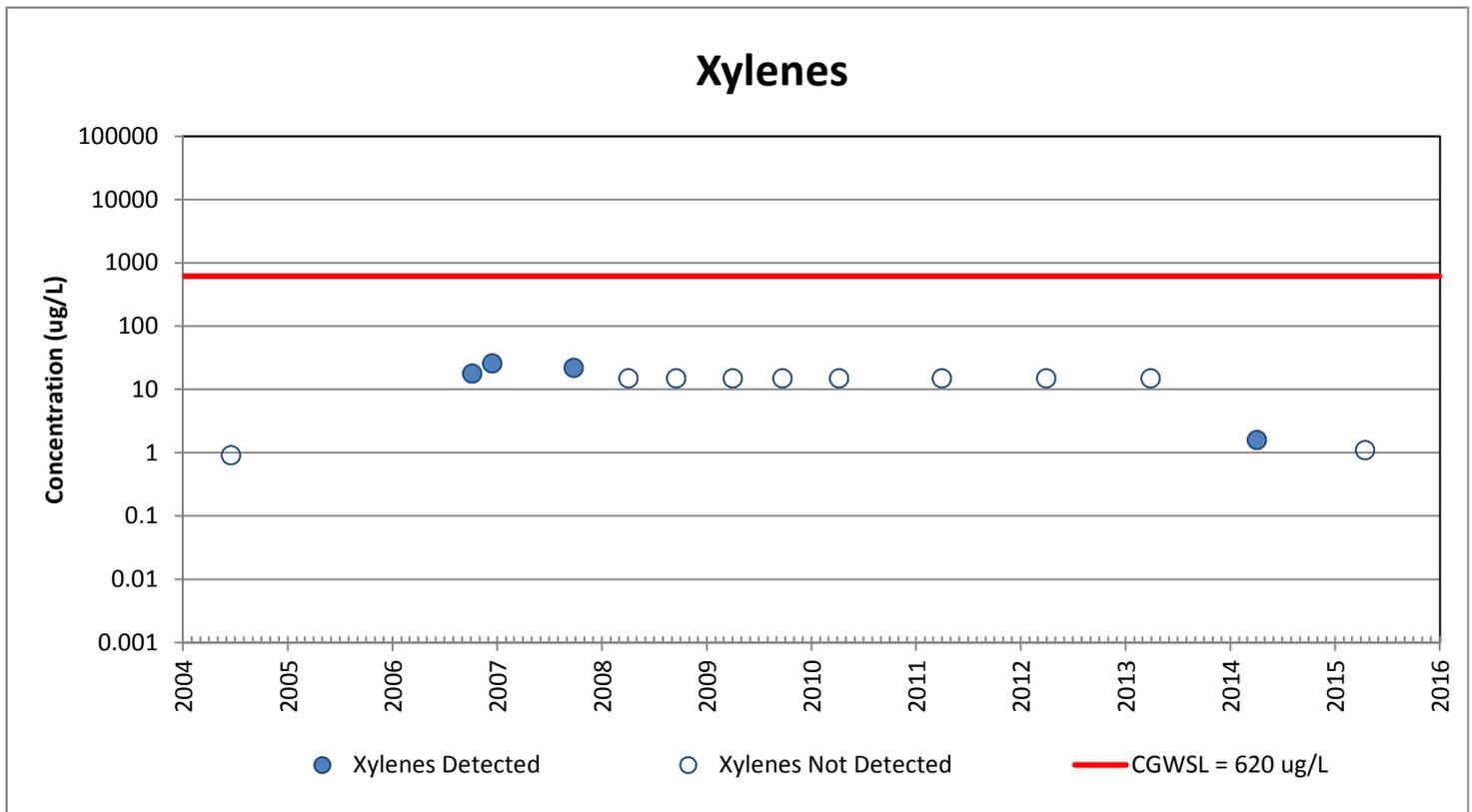
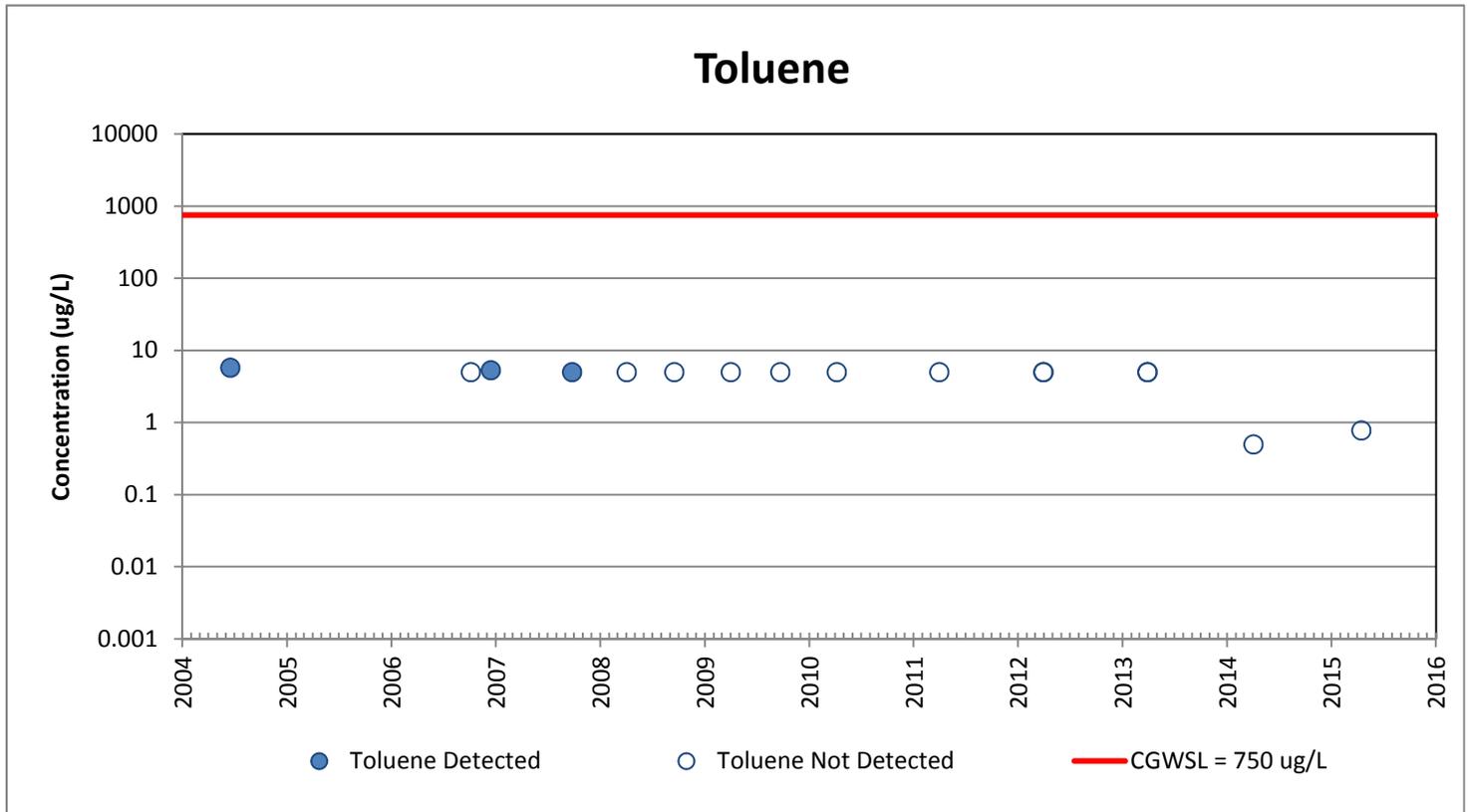
## Benzene



## Ethylbenzene

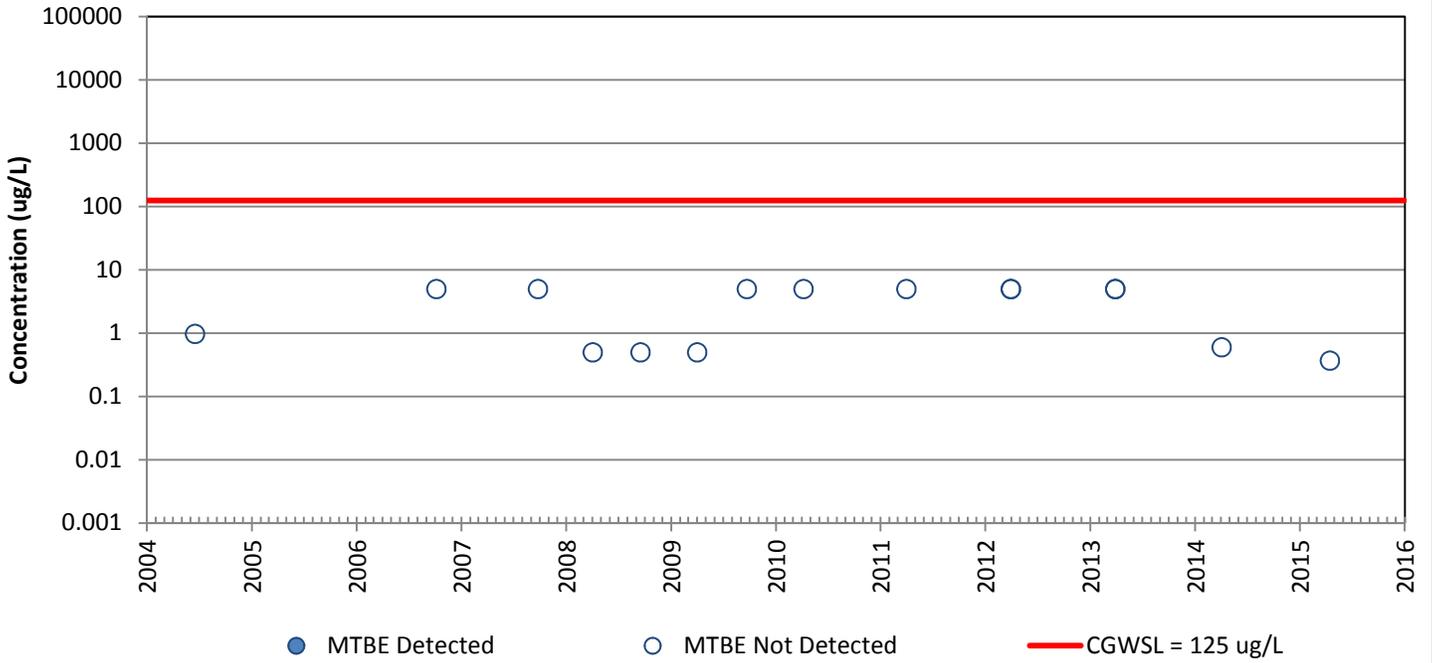


# MW-6A

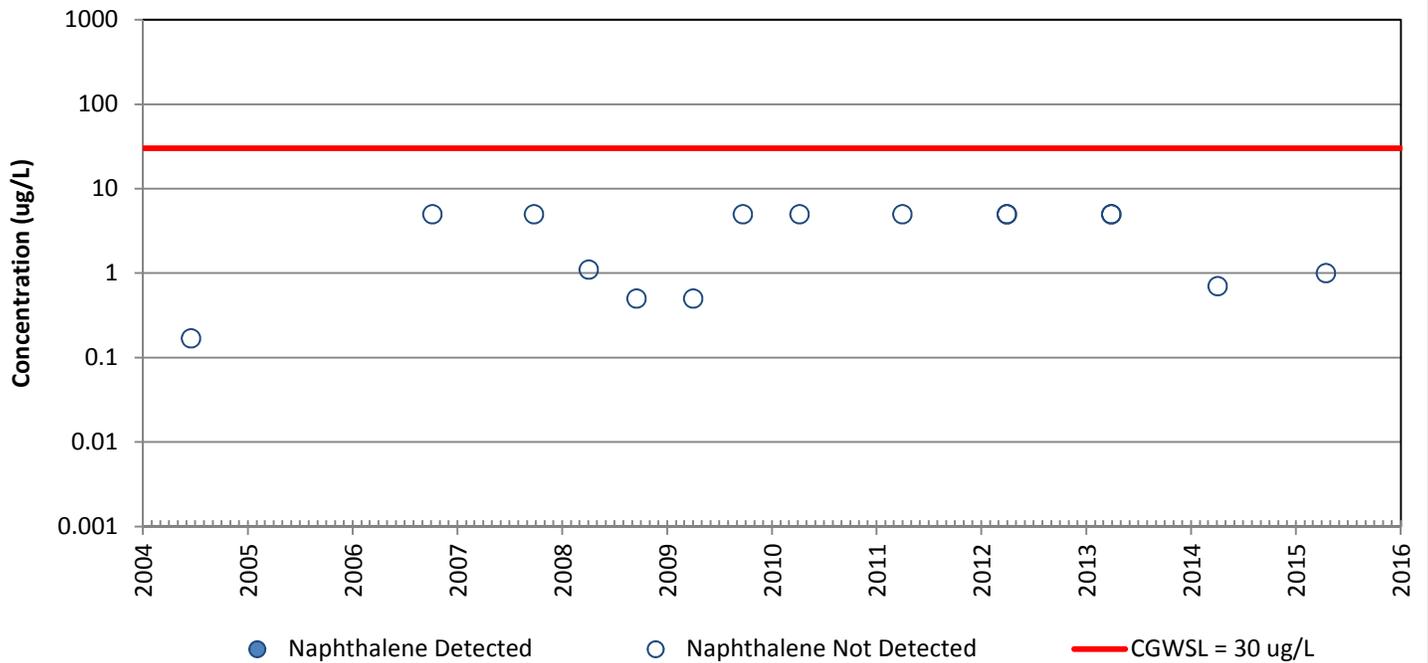


# MW-6A

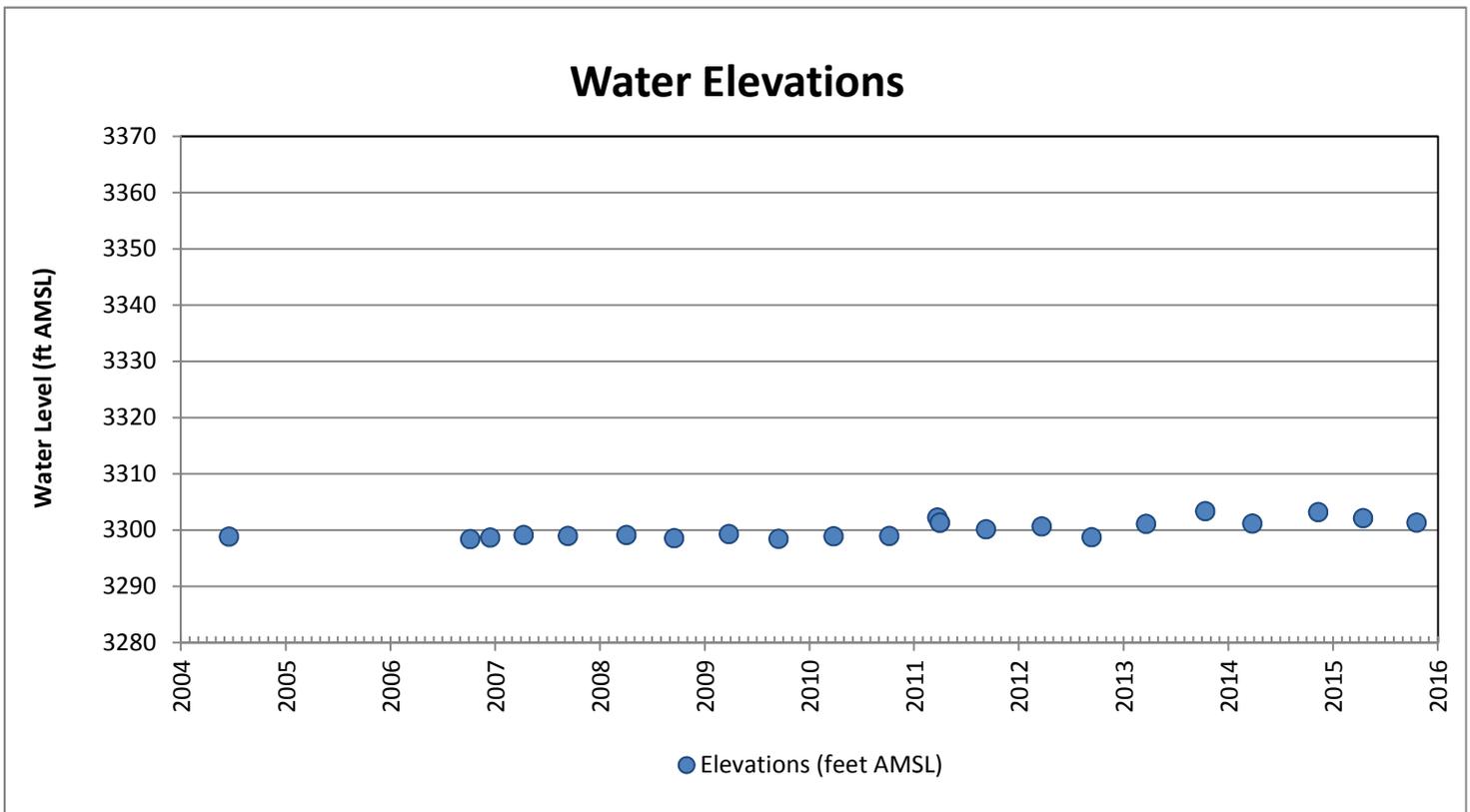
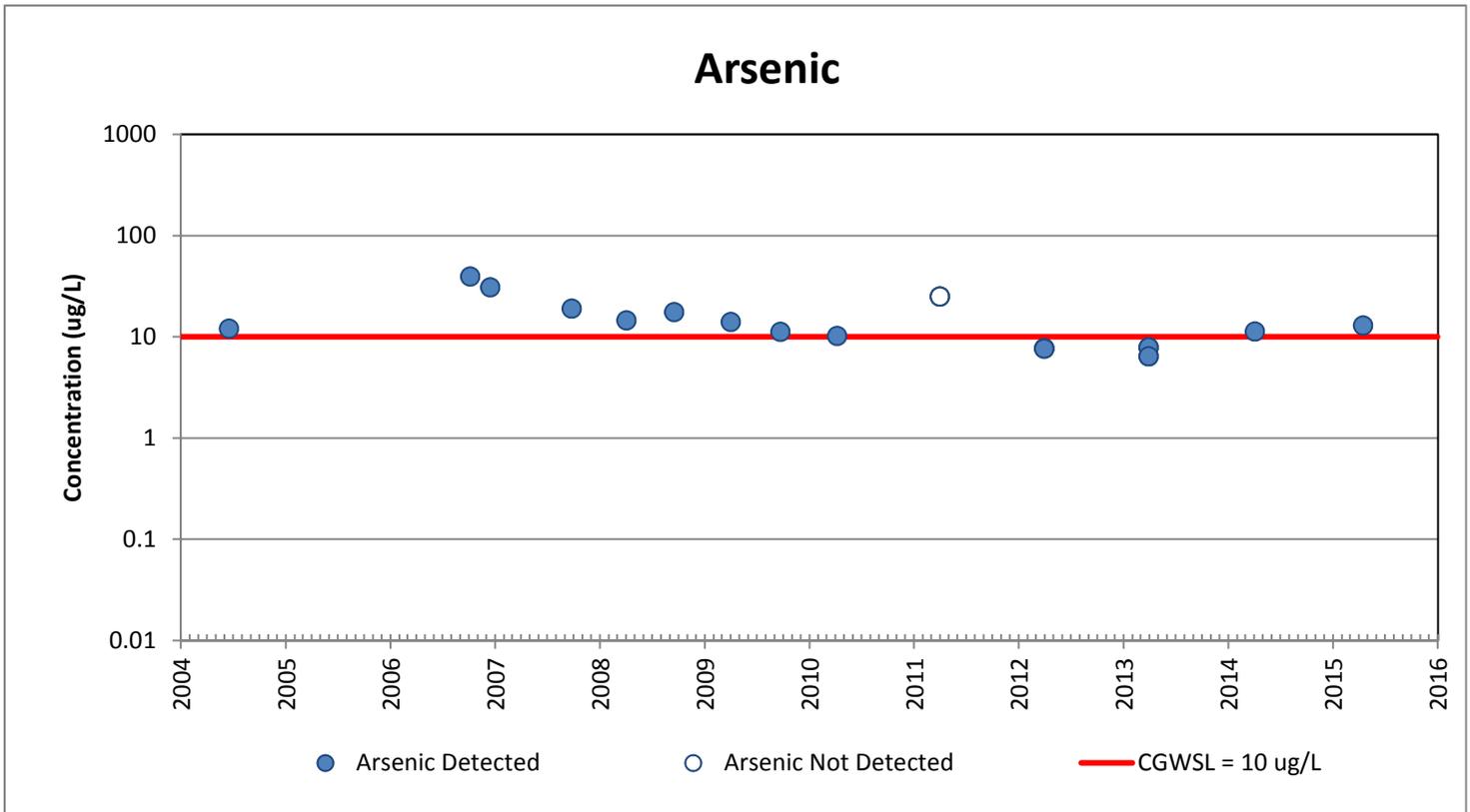
## MTBE



## Naphthalene

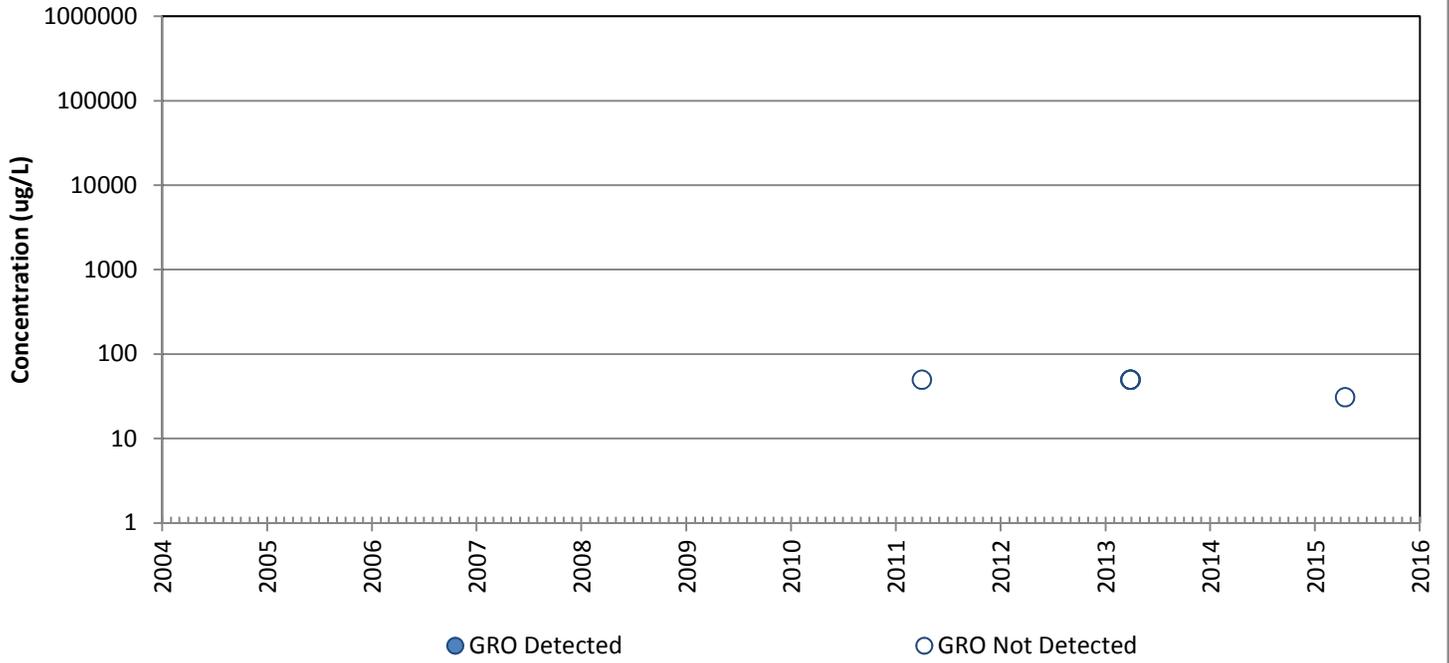


# MW-6A

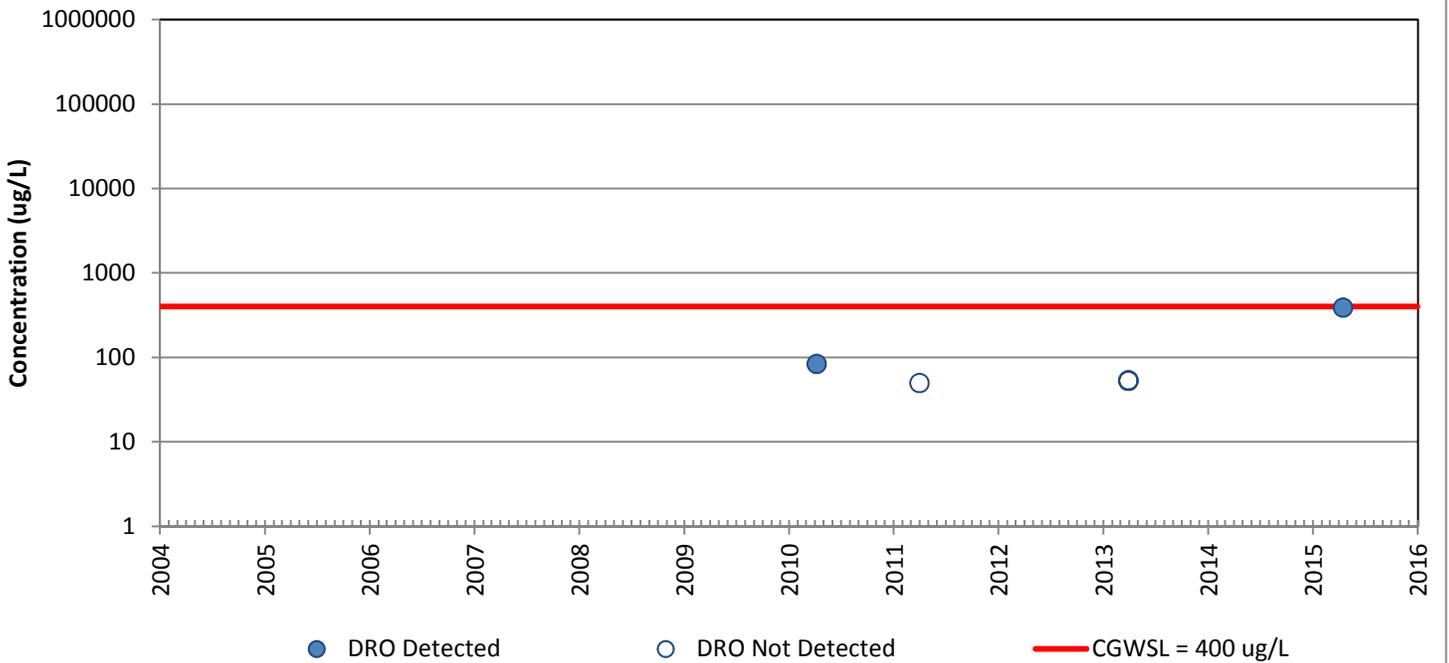


# MW-6B

## GRO



## DRO

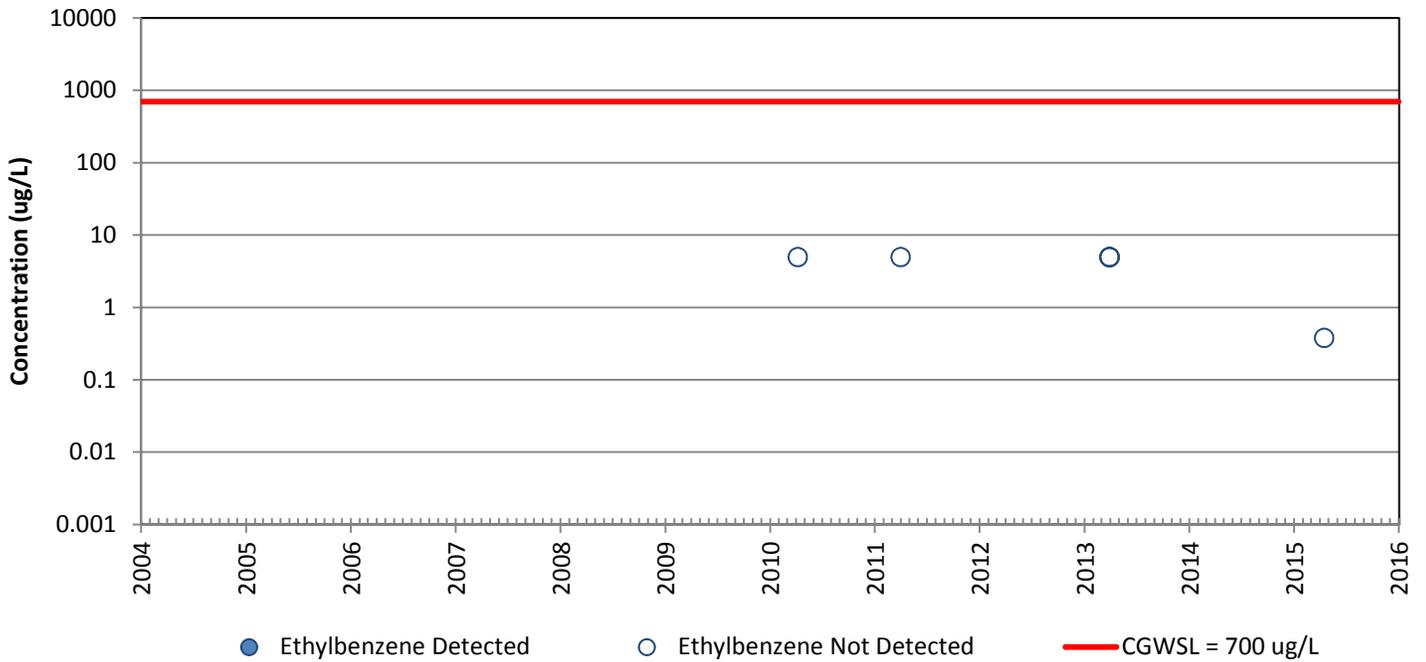


# MW-6B

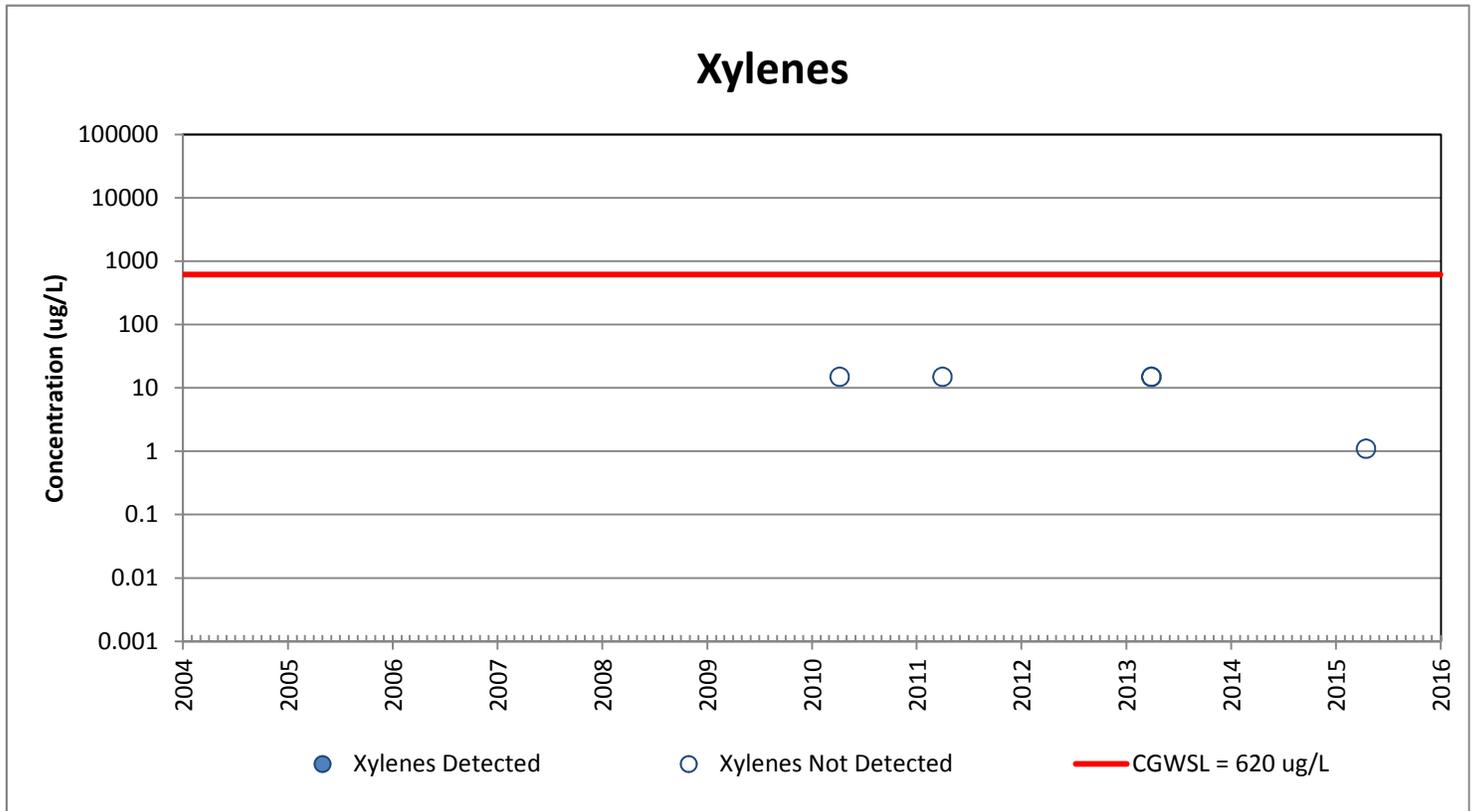
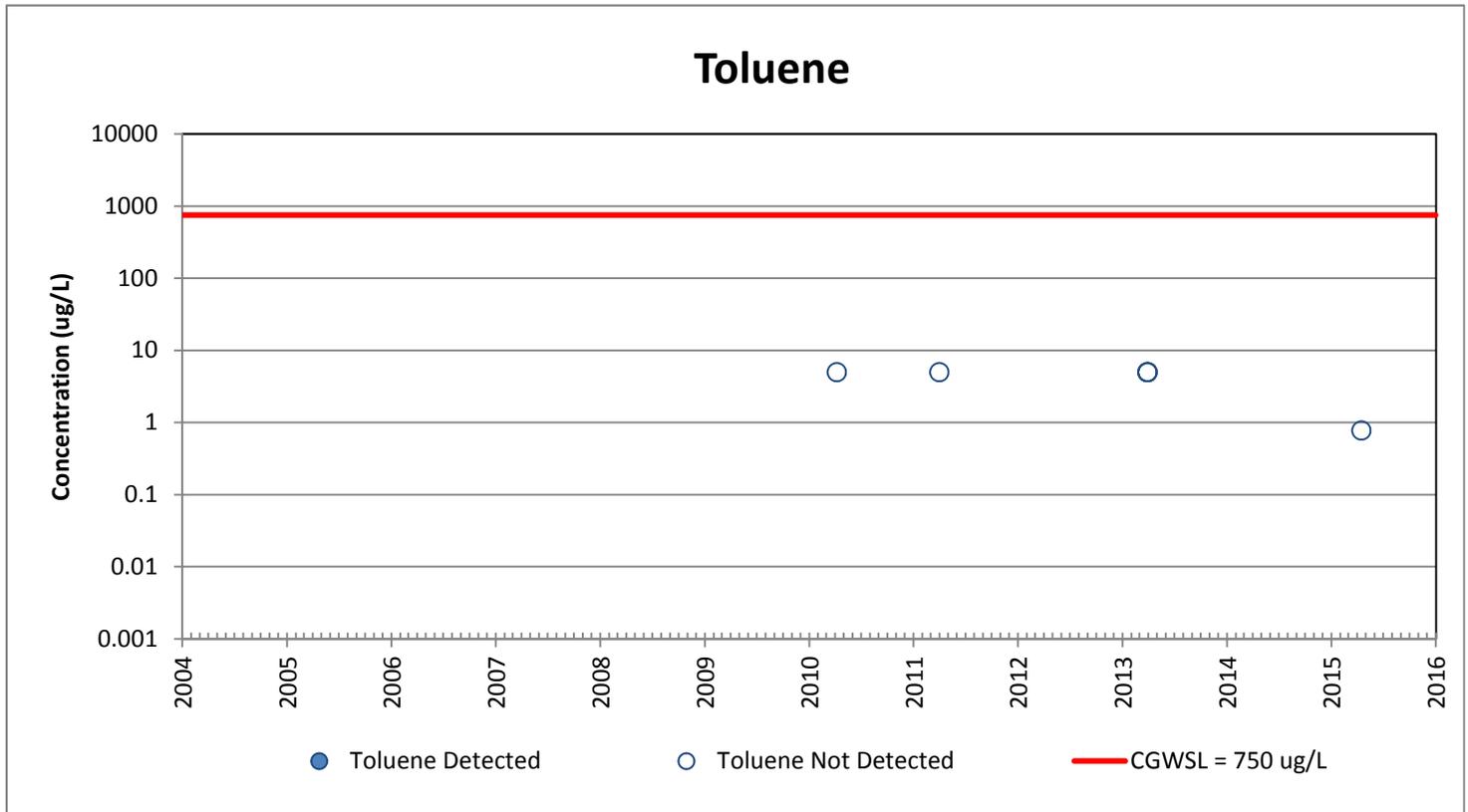
## Benzene



## Ethylbenzene

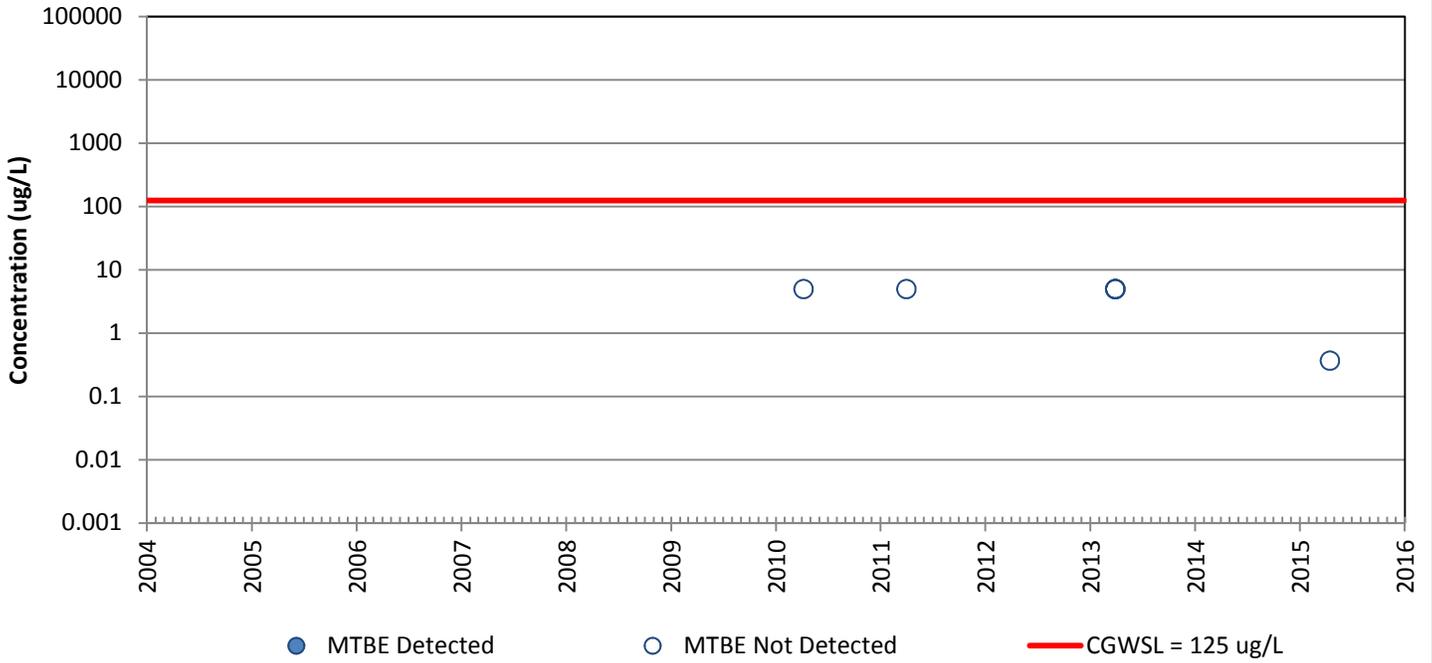


# MW-6B

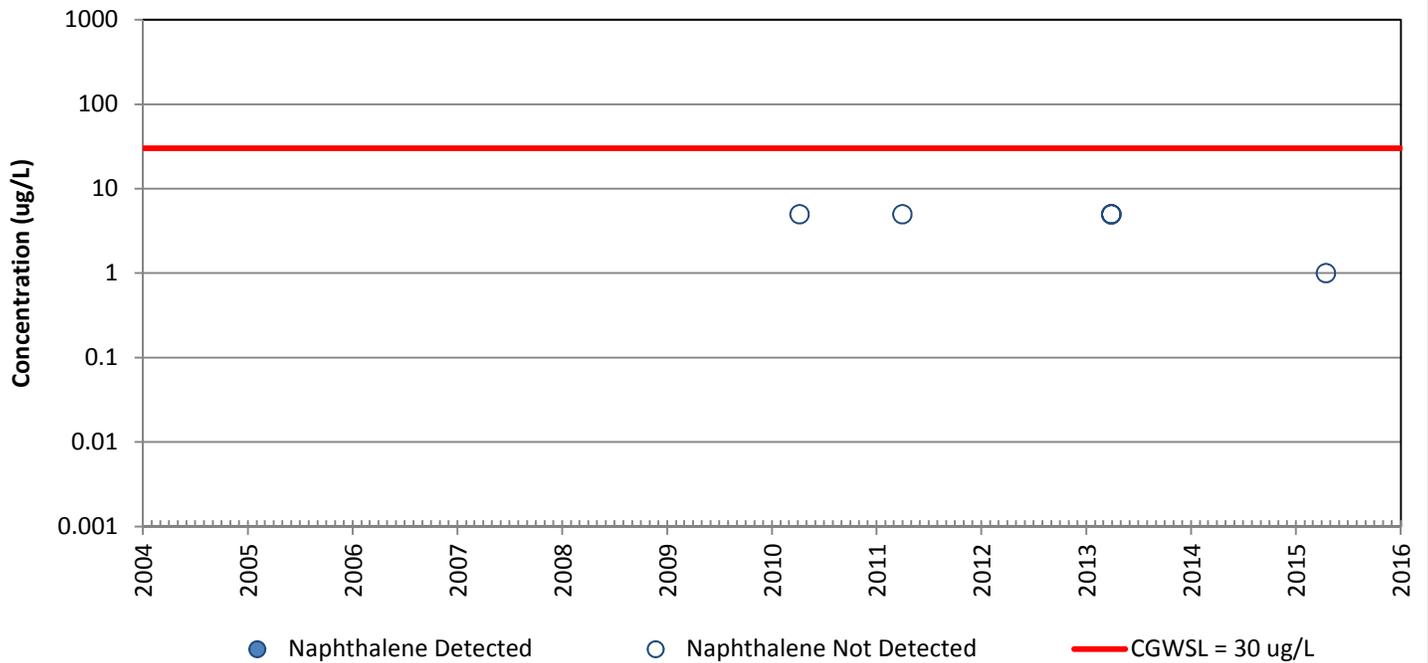


# MW-6B

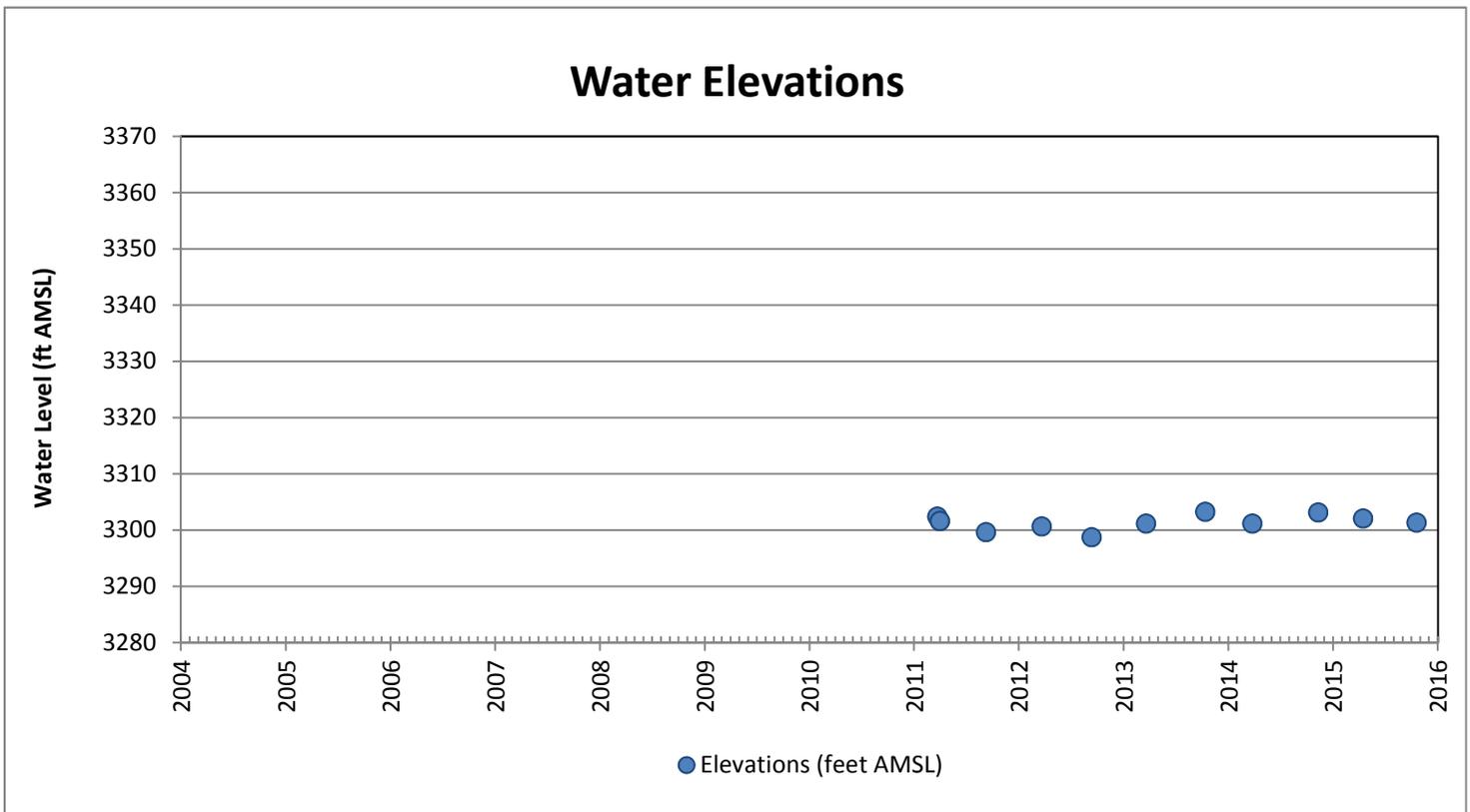
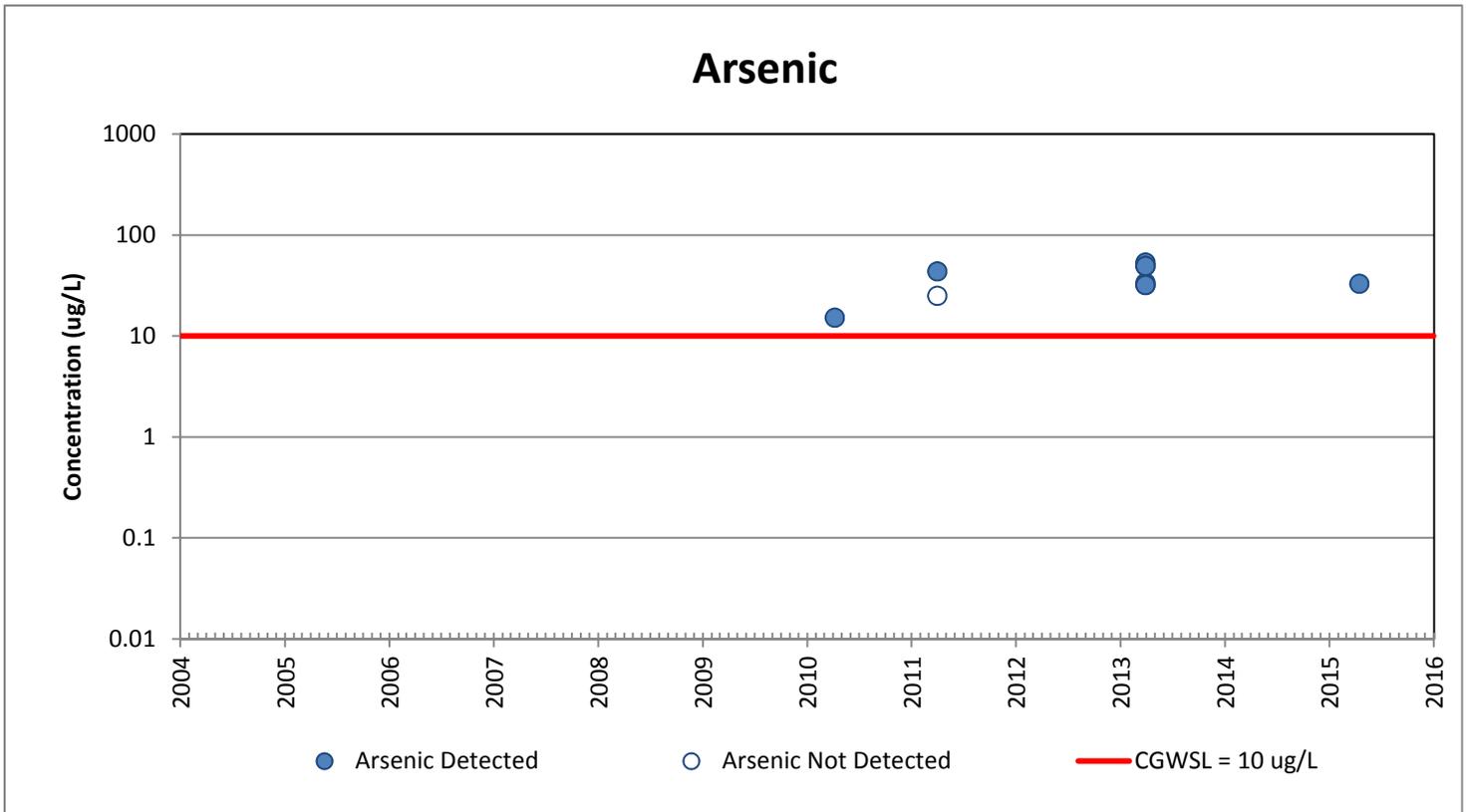
## MTBE



## Naphthalene

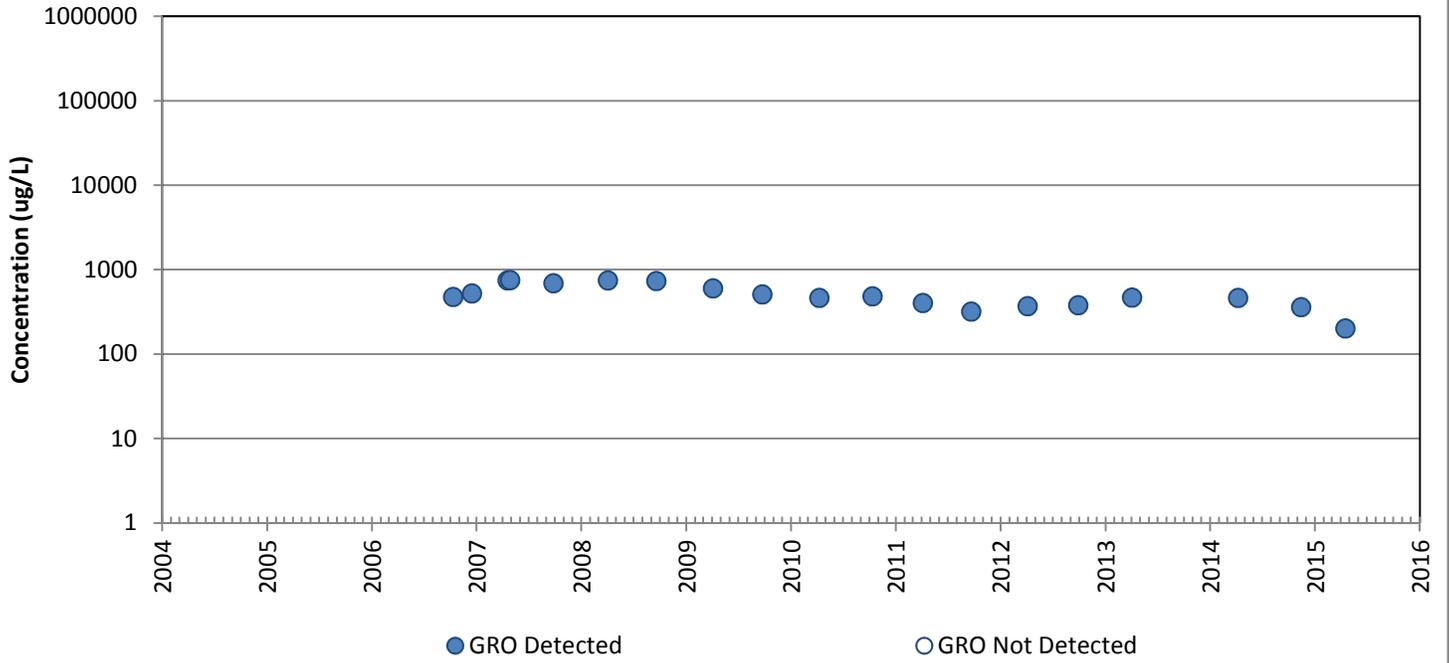


# MW-6B

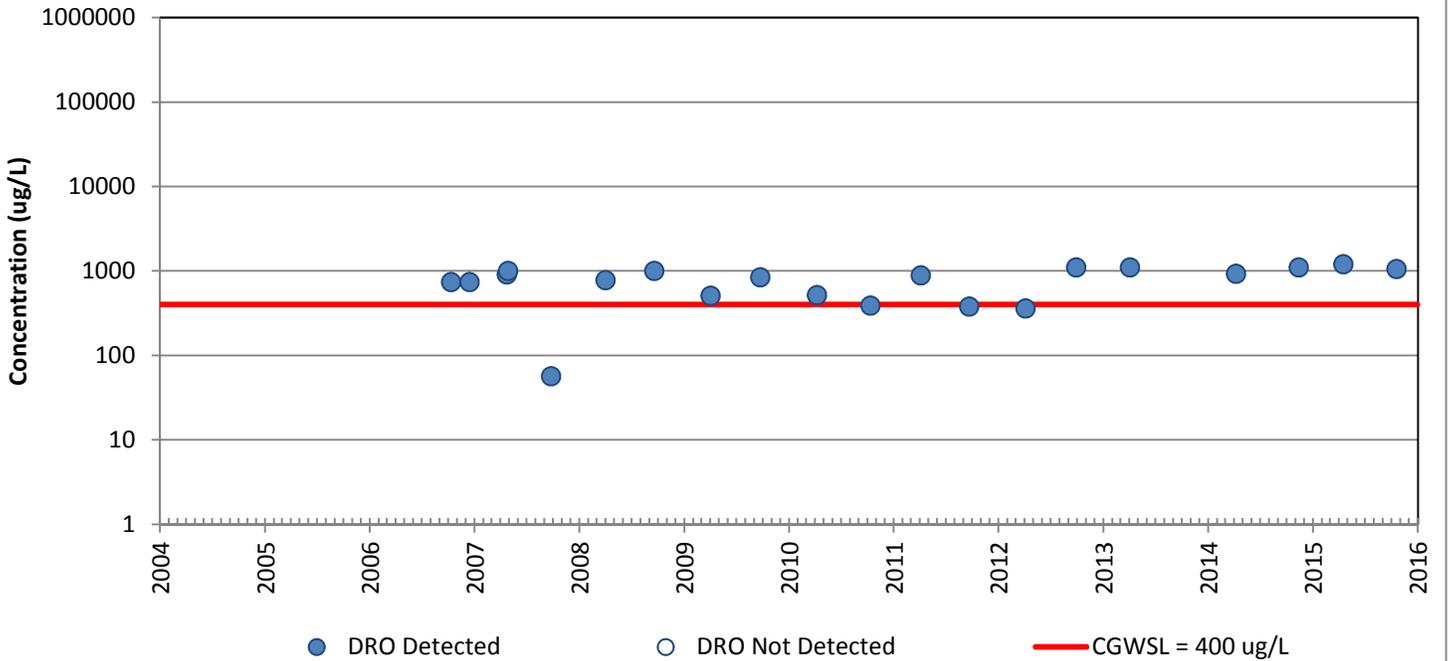


# MW-7A

## GRO

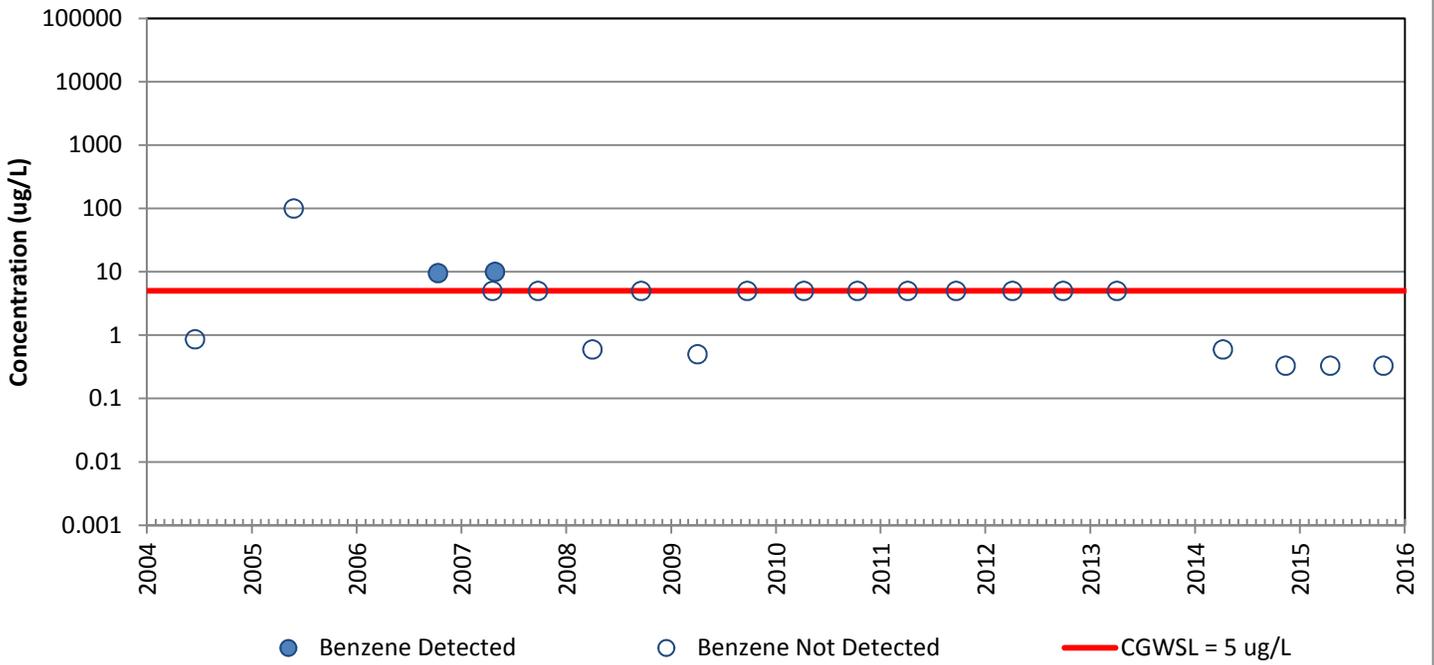


## DRO

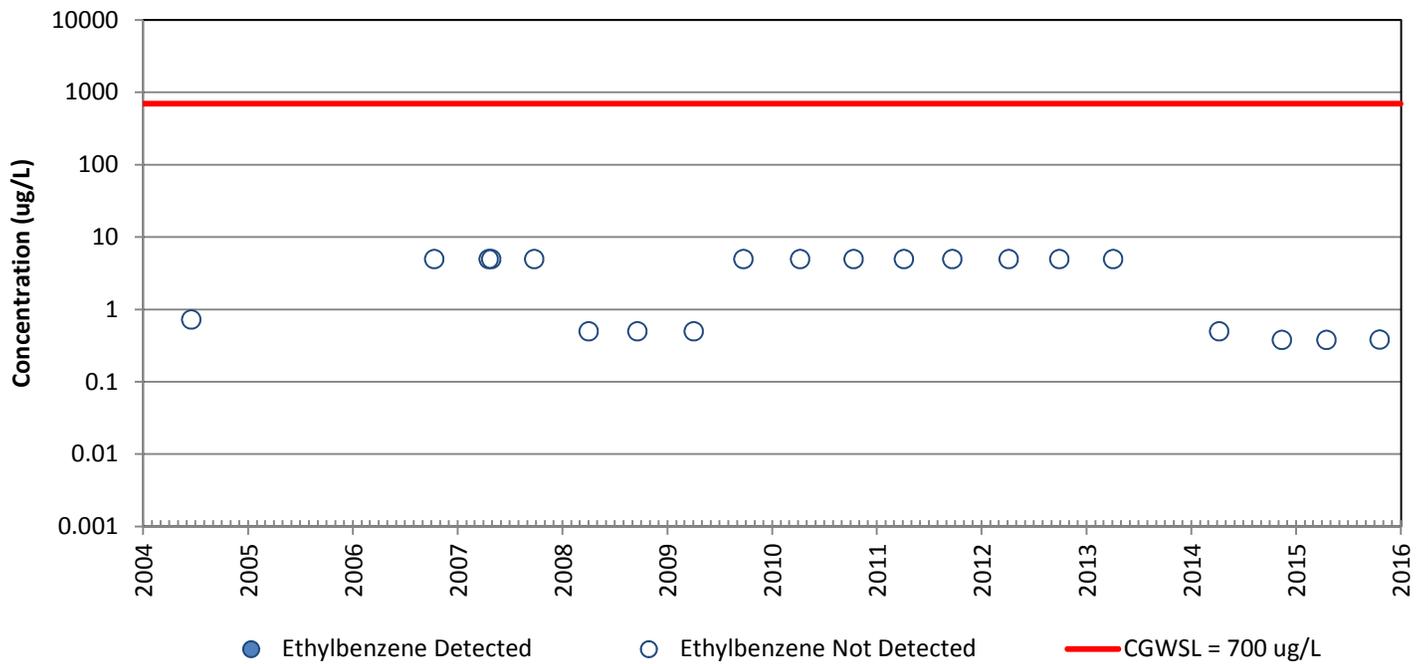


# MW-7A

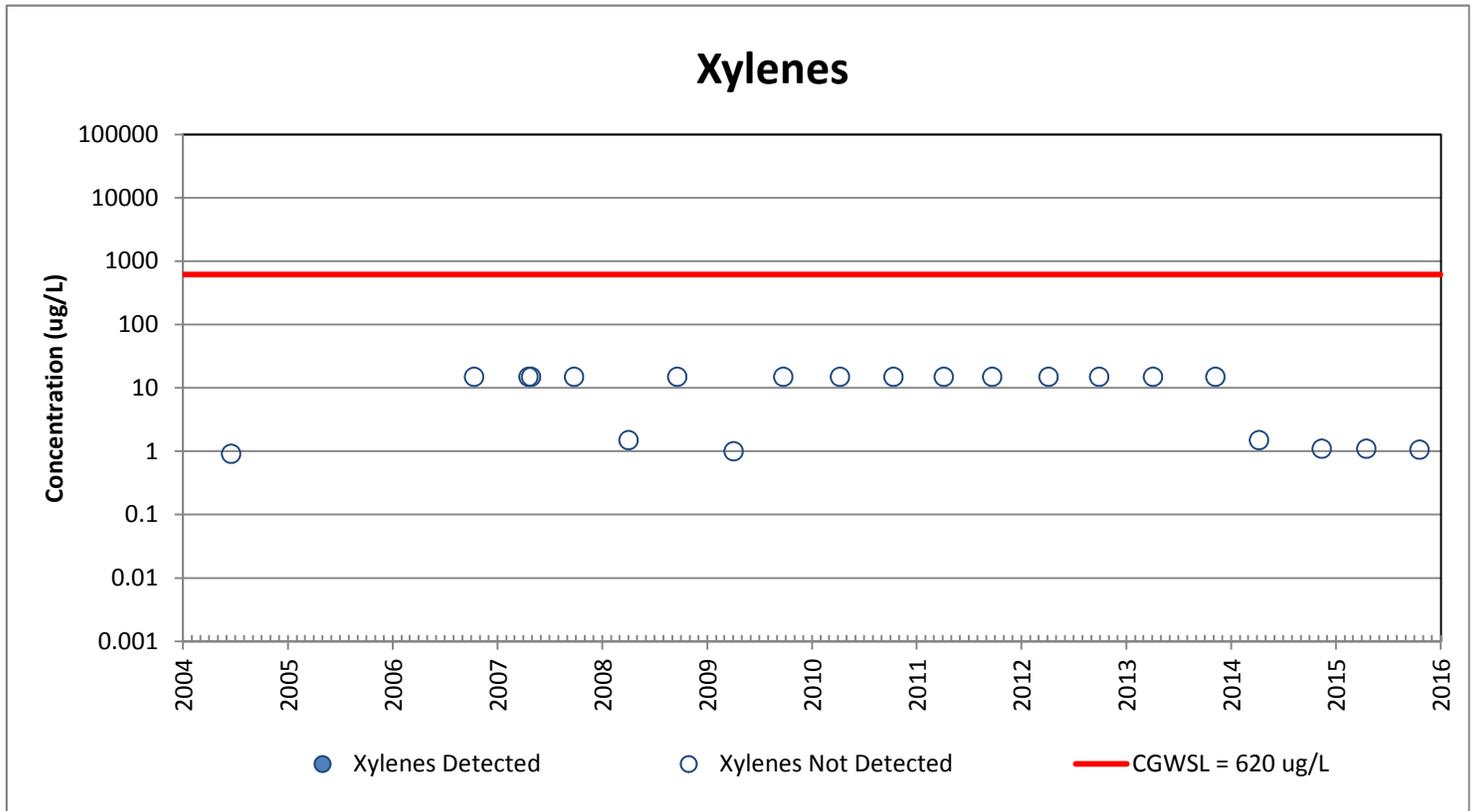
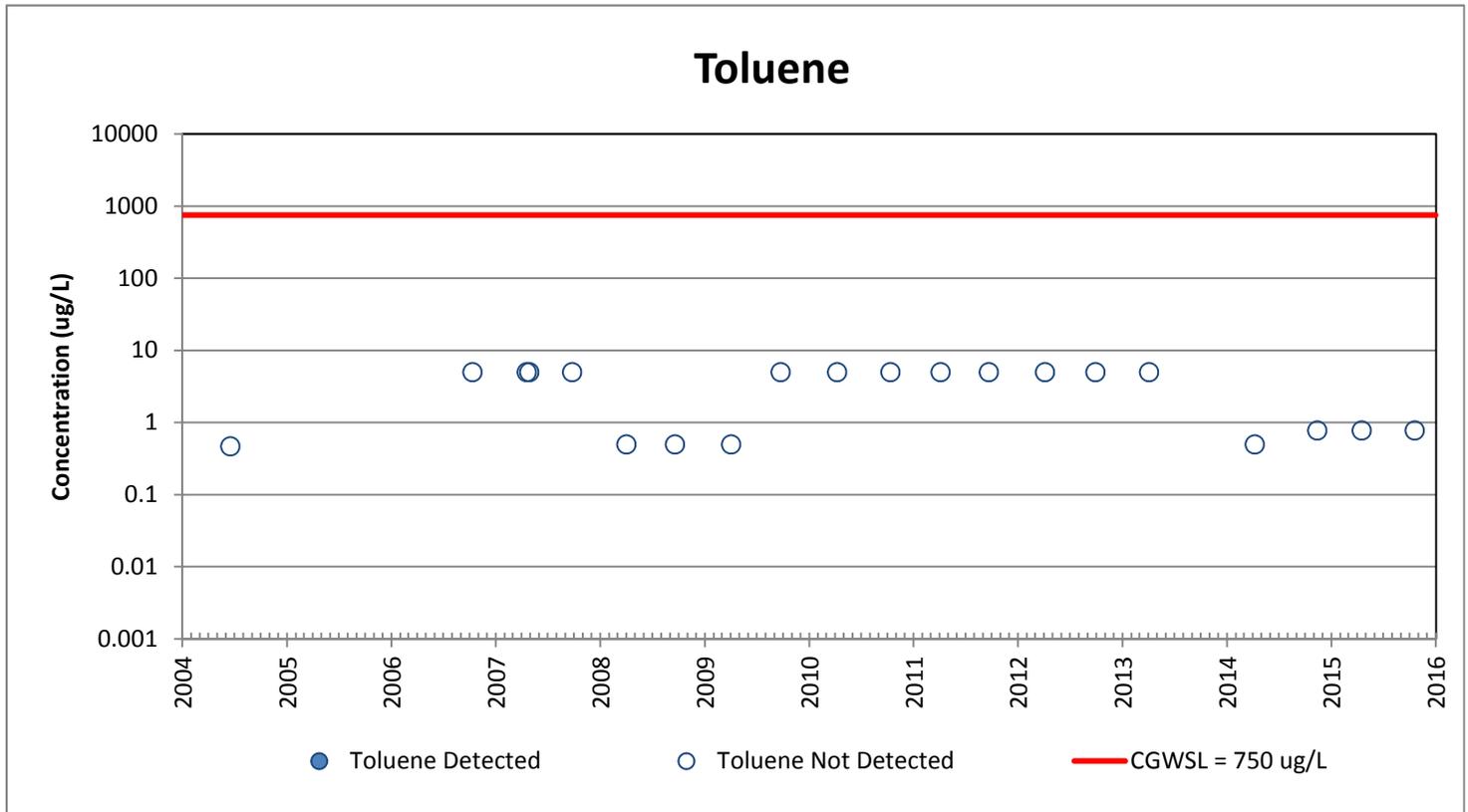
## Benzene



## Ethylbenzene

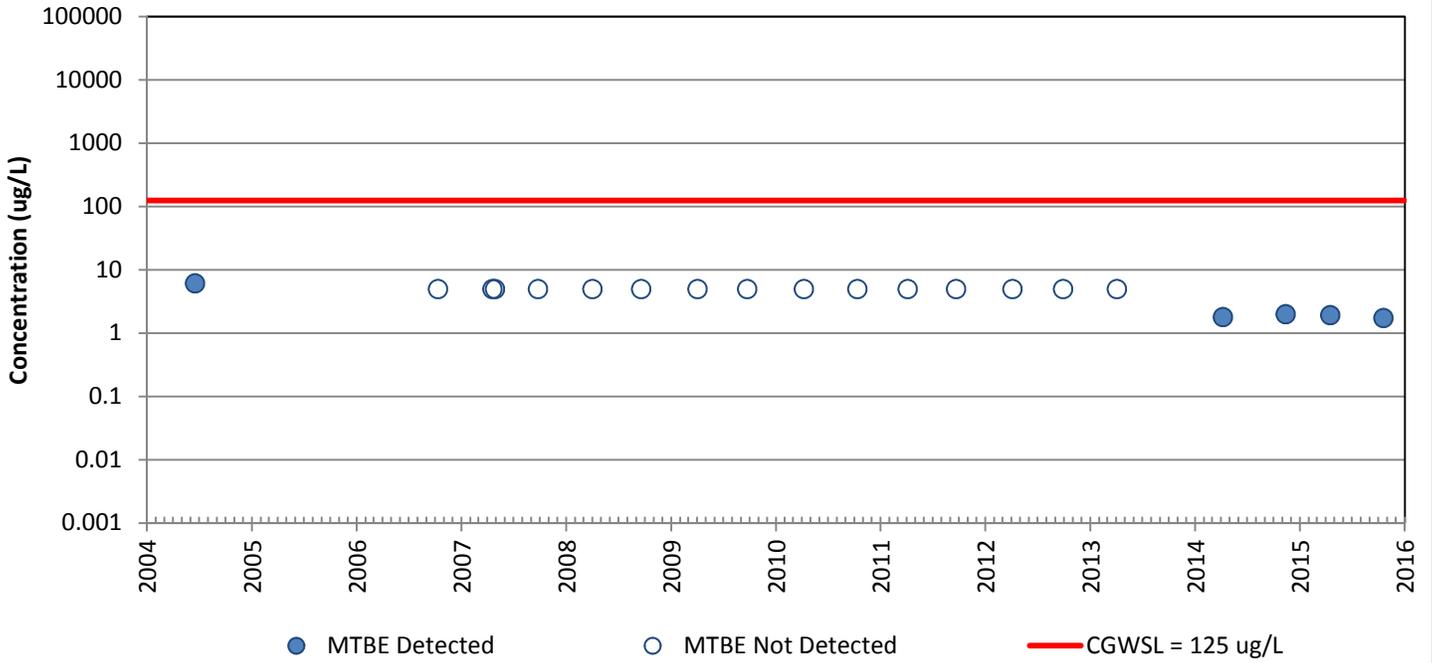


# MW-7A

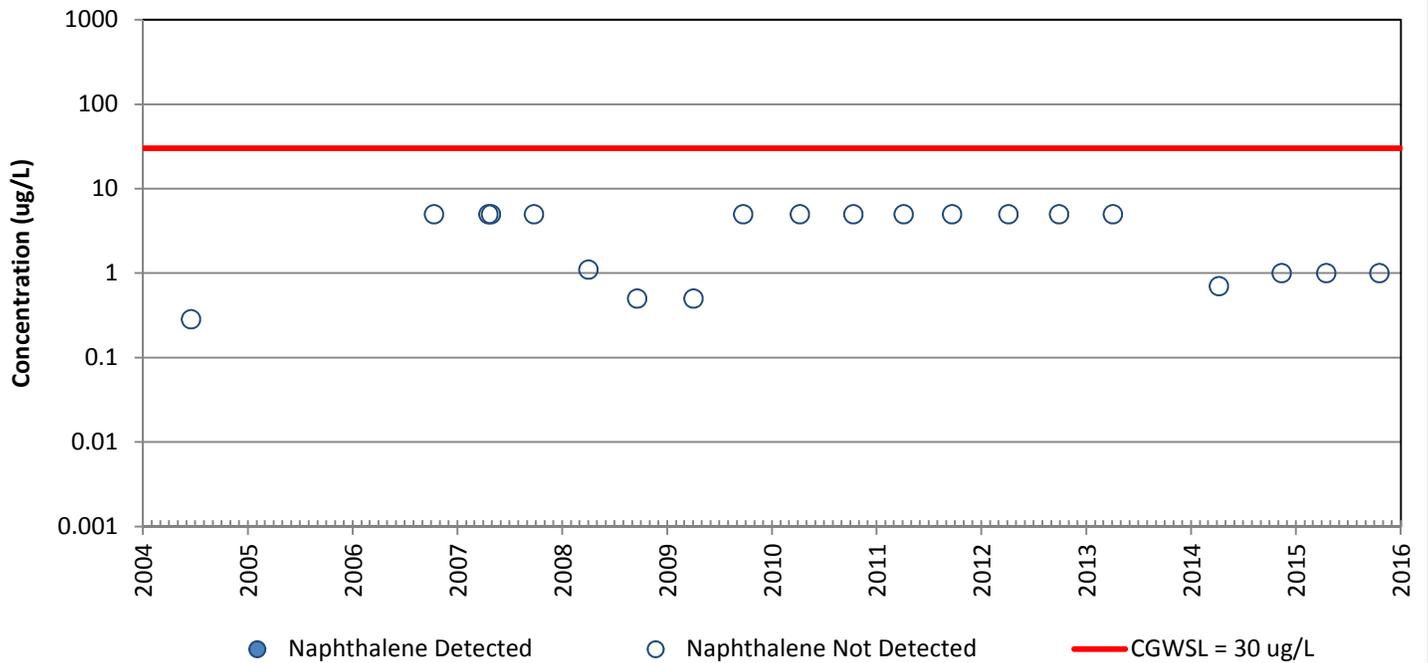


# MW-7A

## MTBE

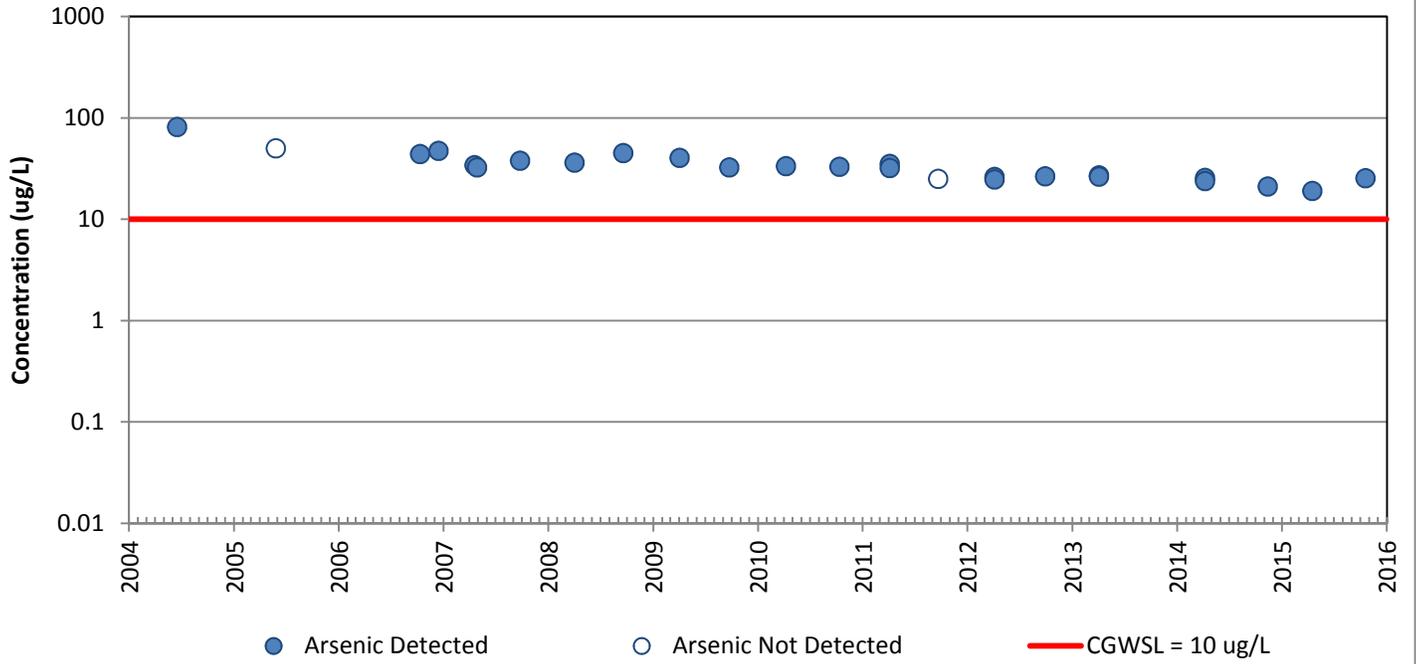


## Naphthalene

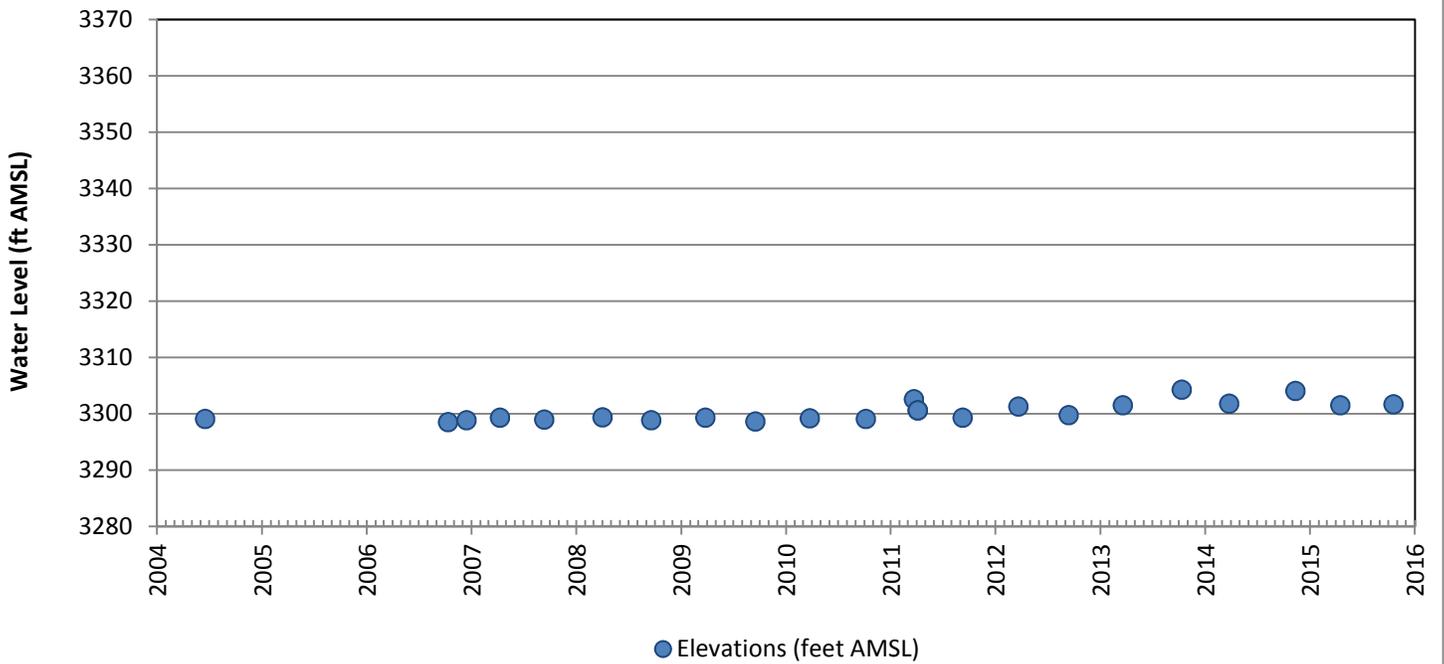


# MW-7A

## Arsenic

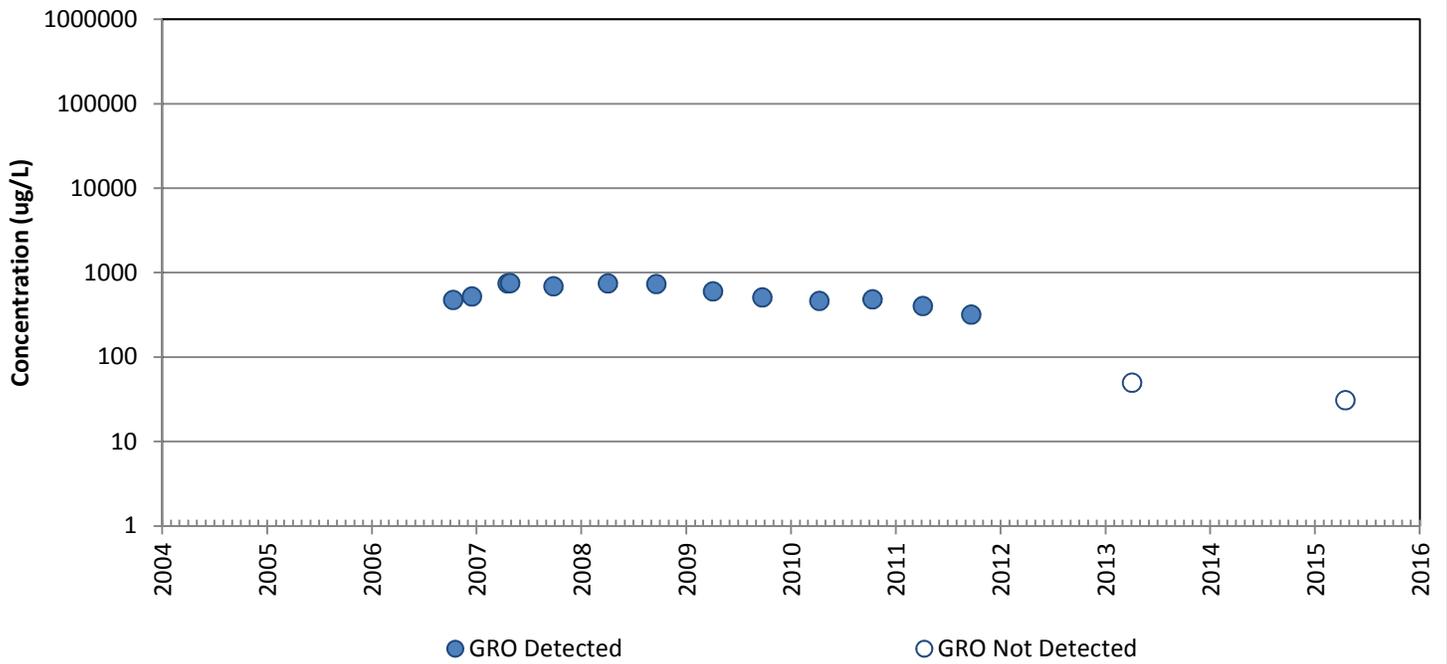


## Water Elevations

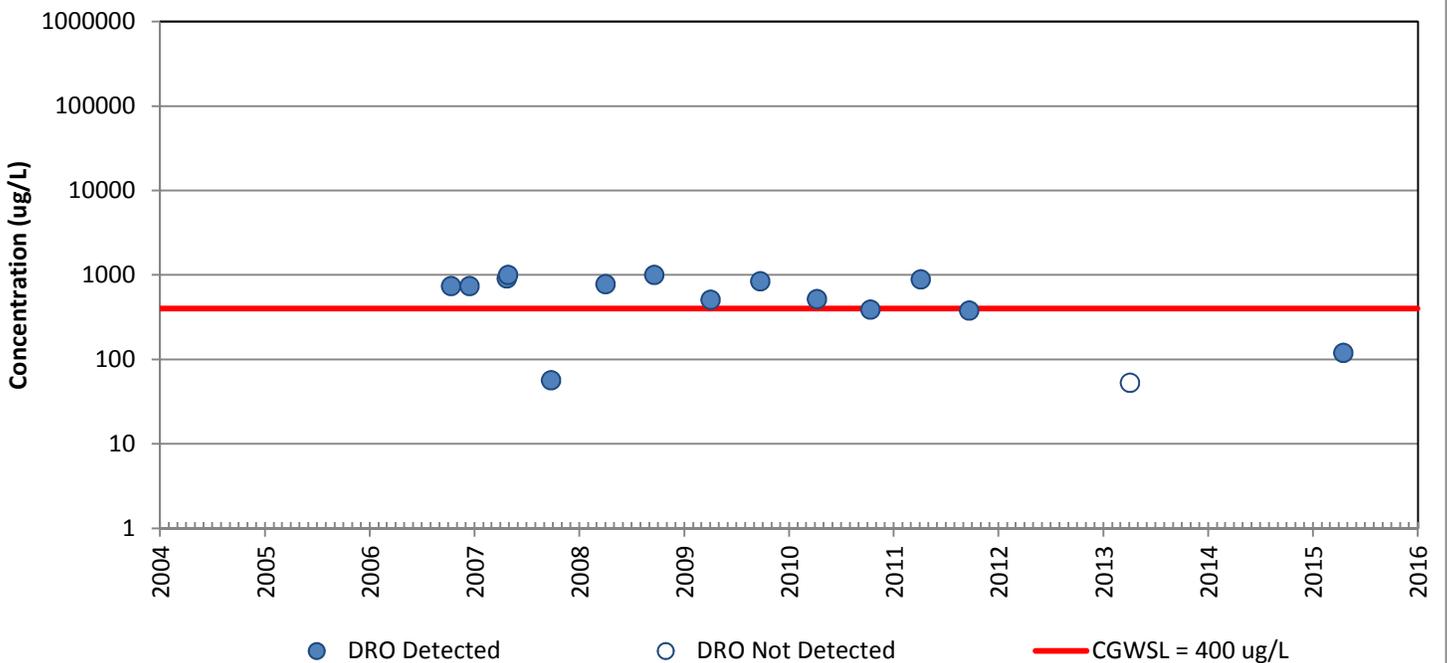


# MW-7B

## GRO

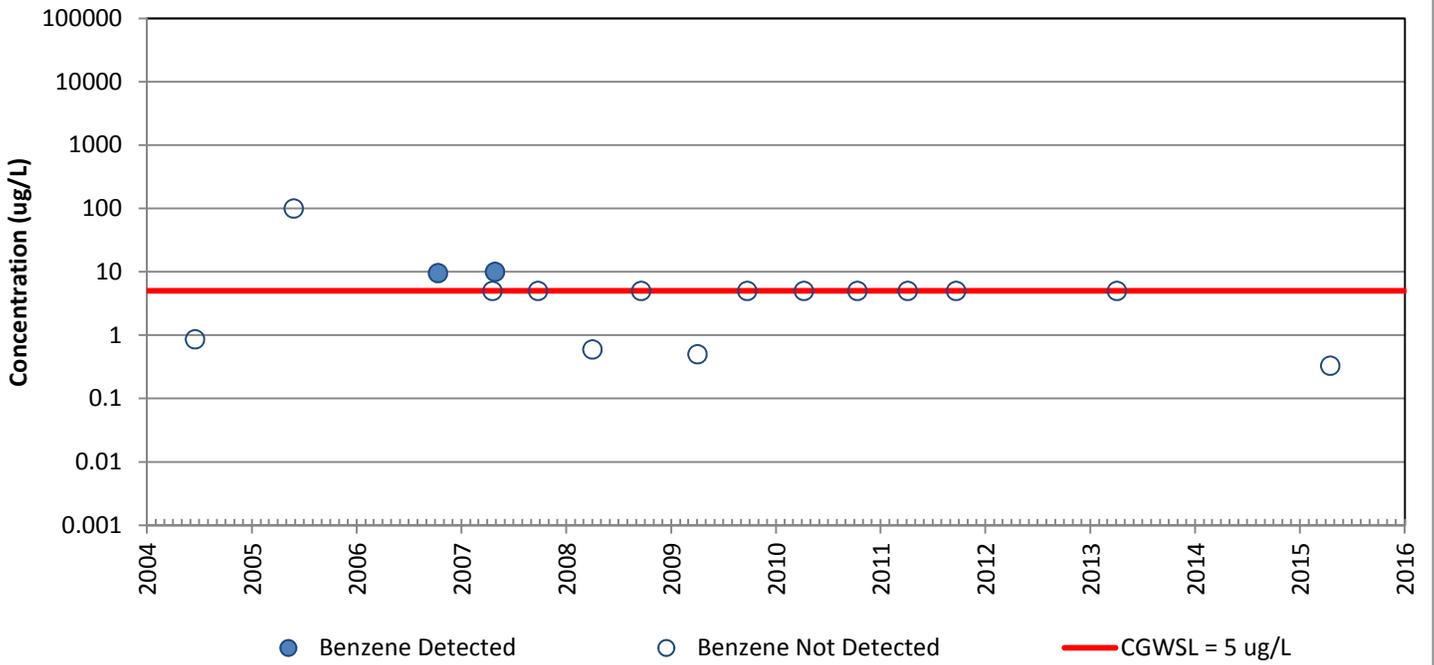


## DRO

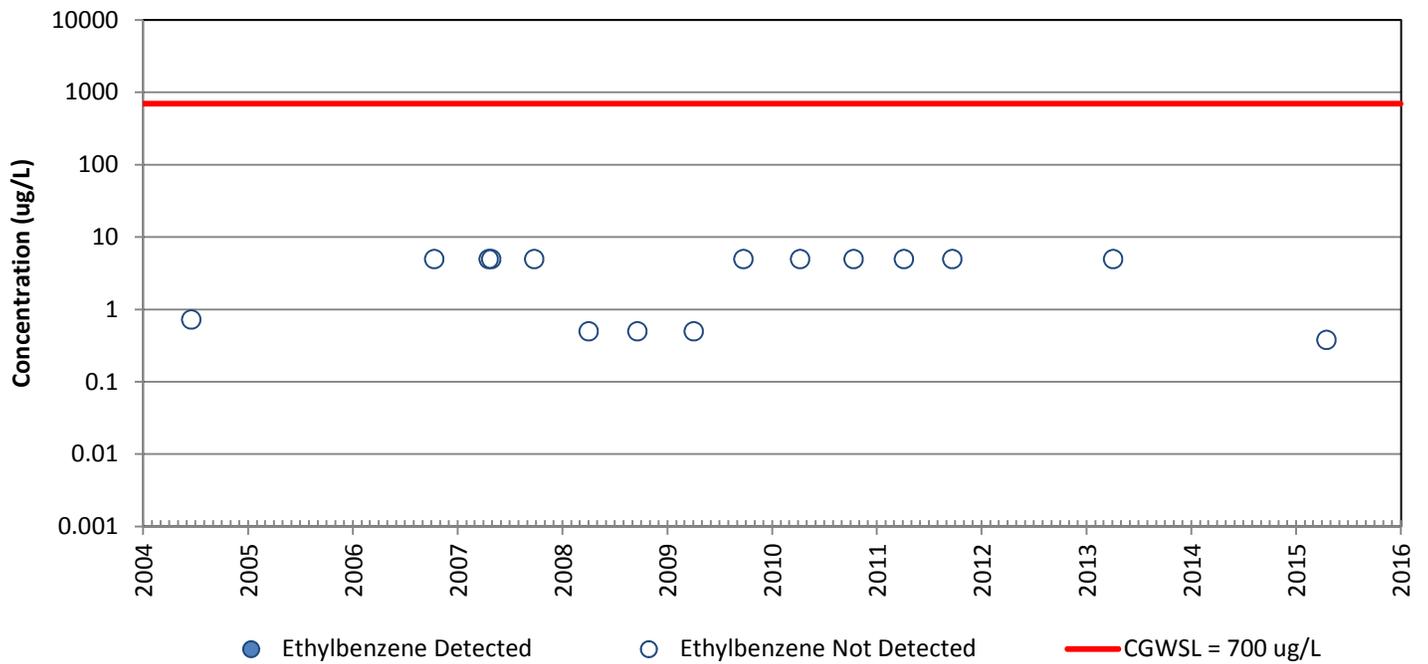


# MW-7B

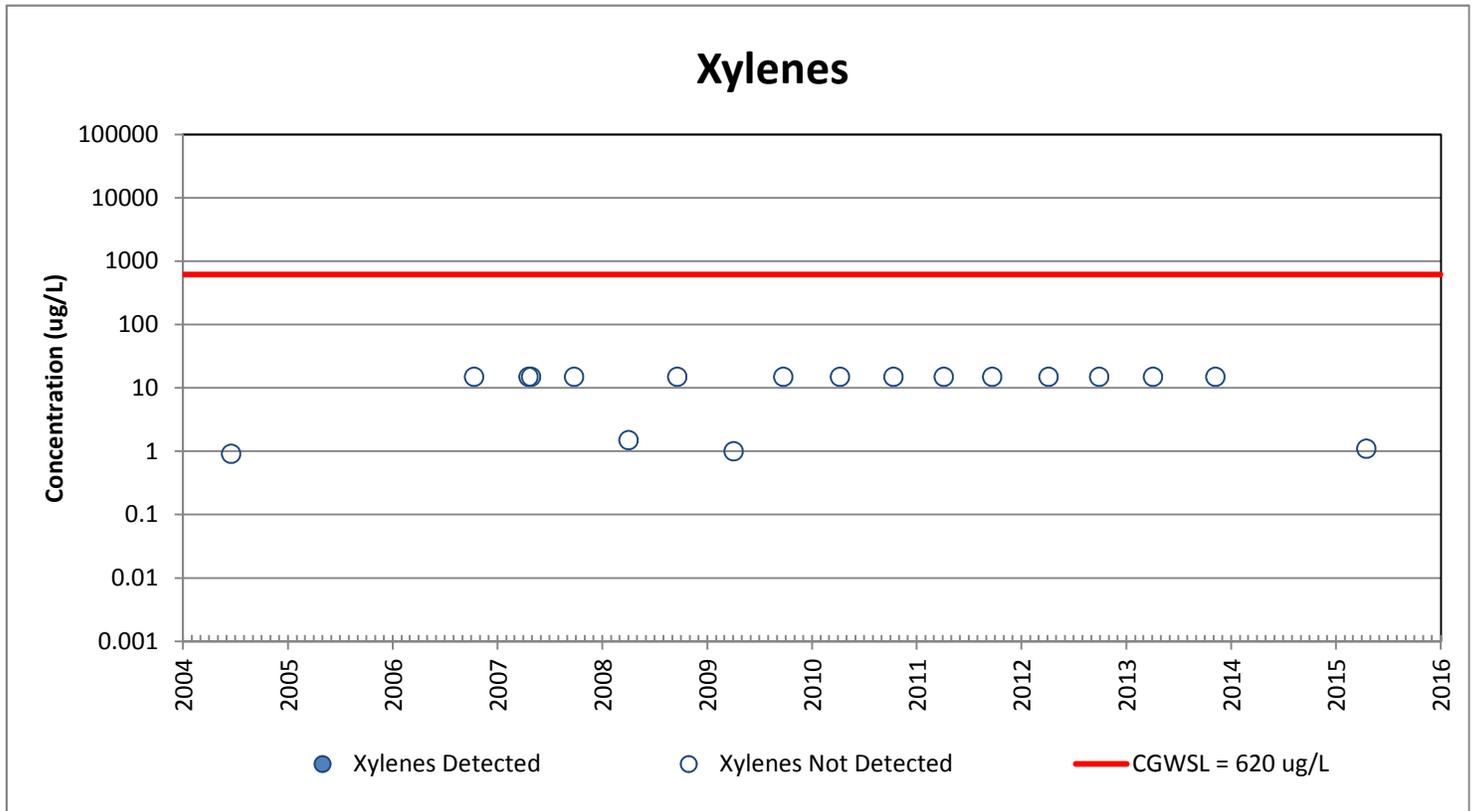
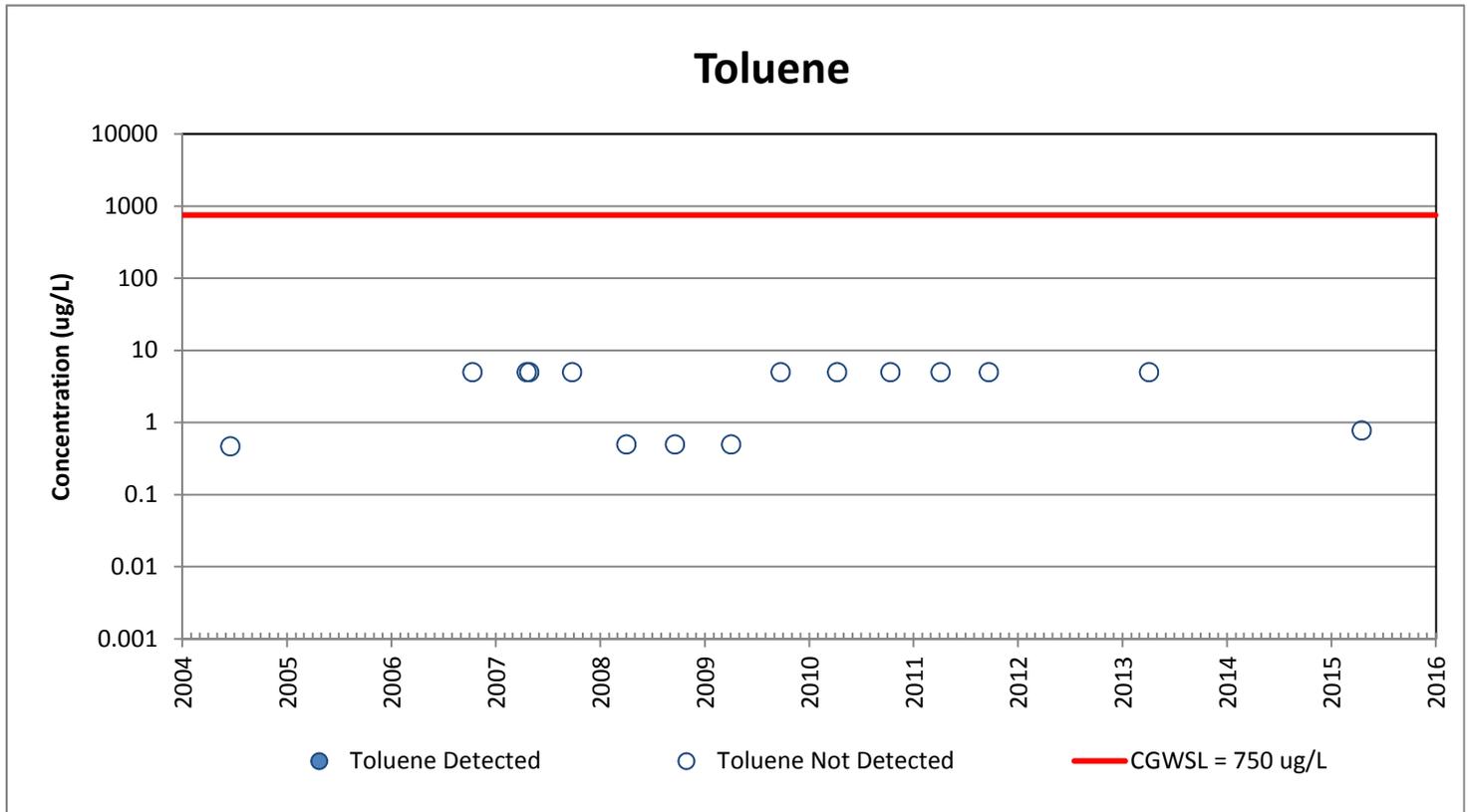
## Benzene



## Ethylbenzene

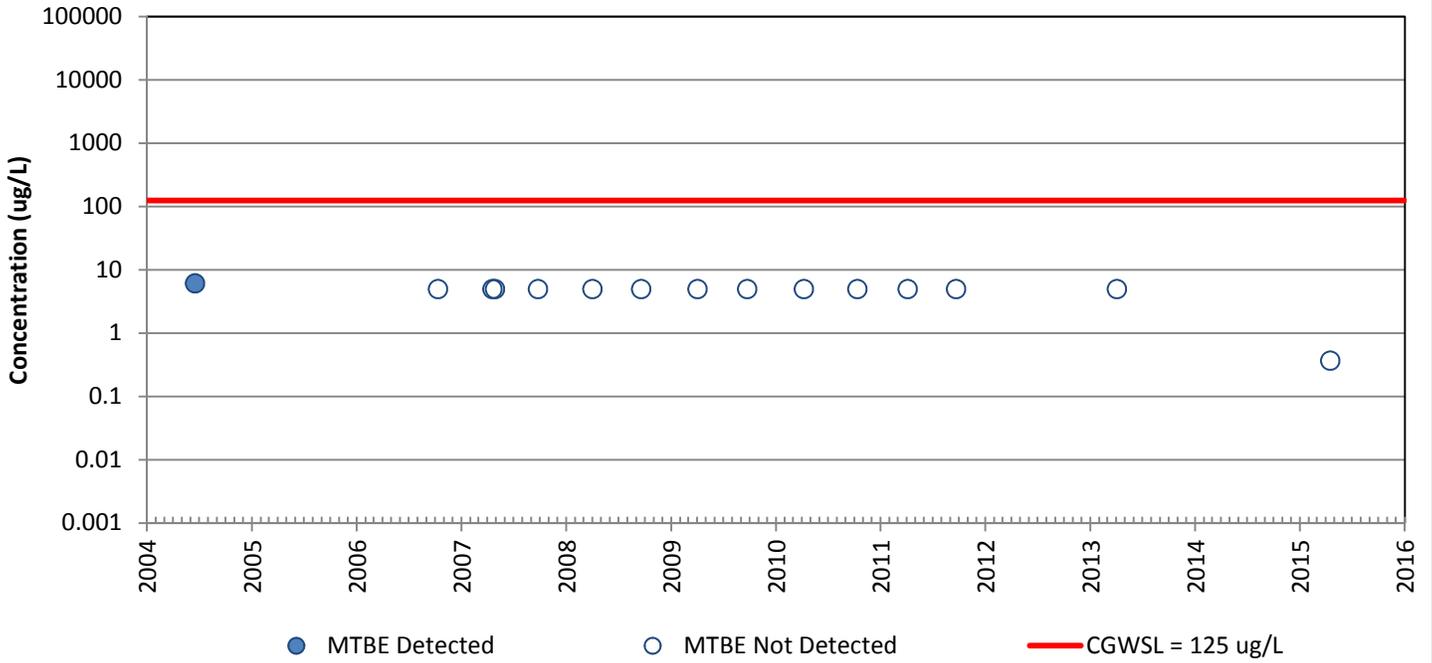


# MW-7B

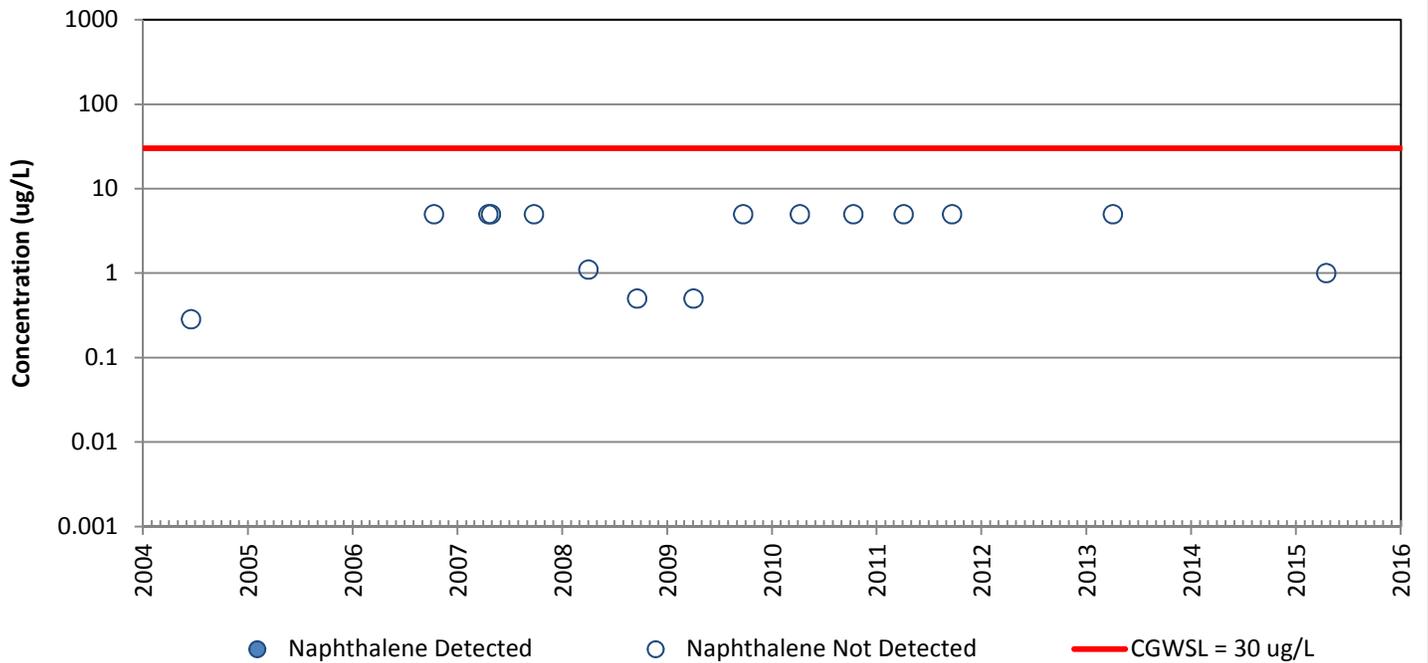


# MW-7B

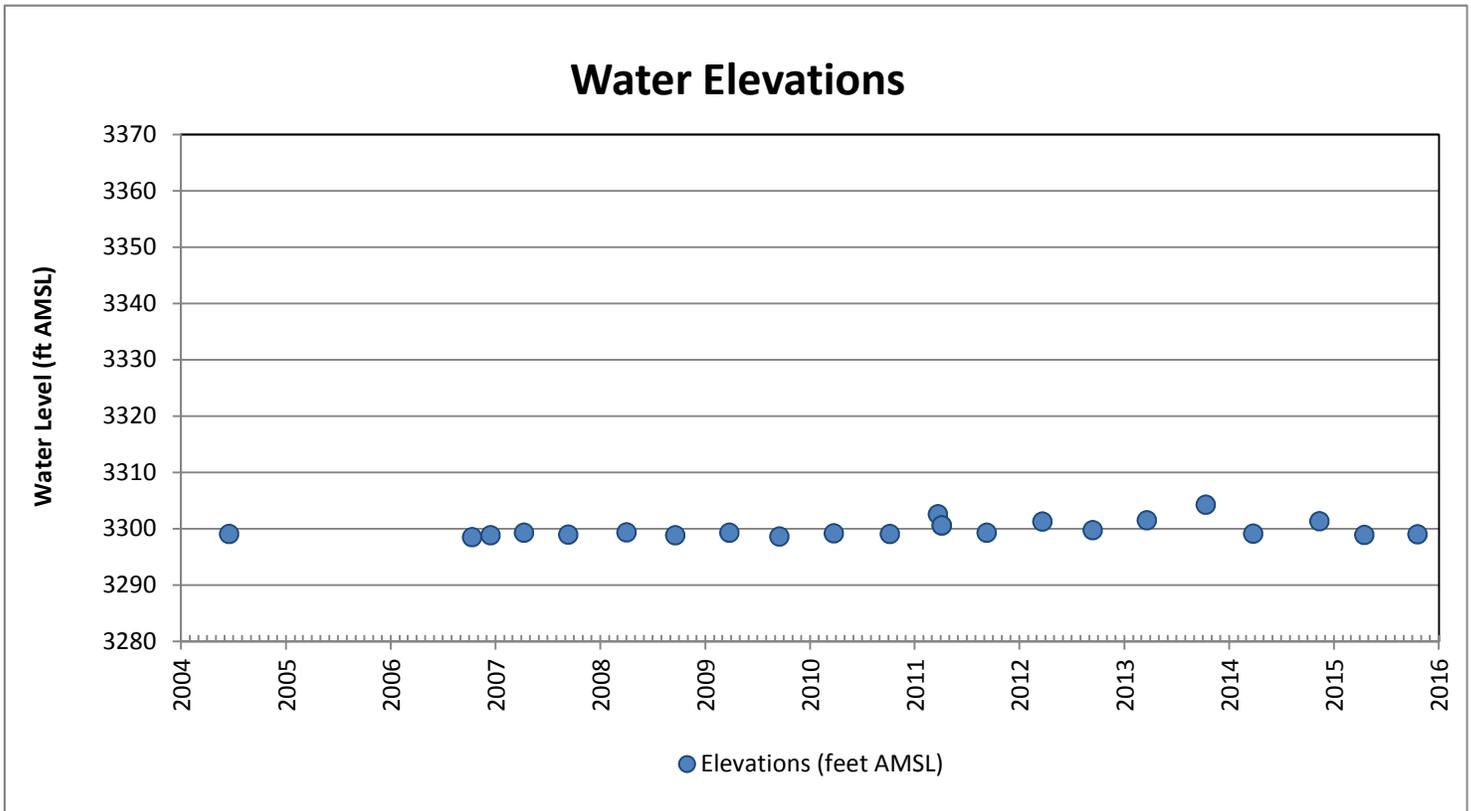
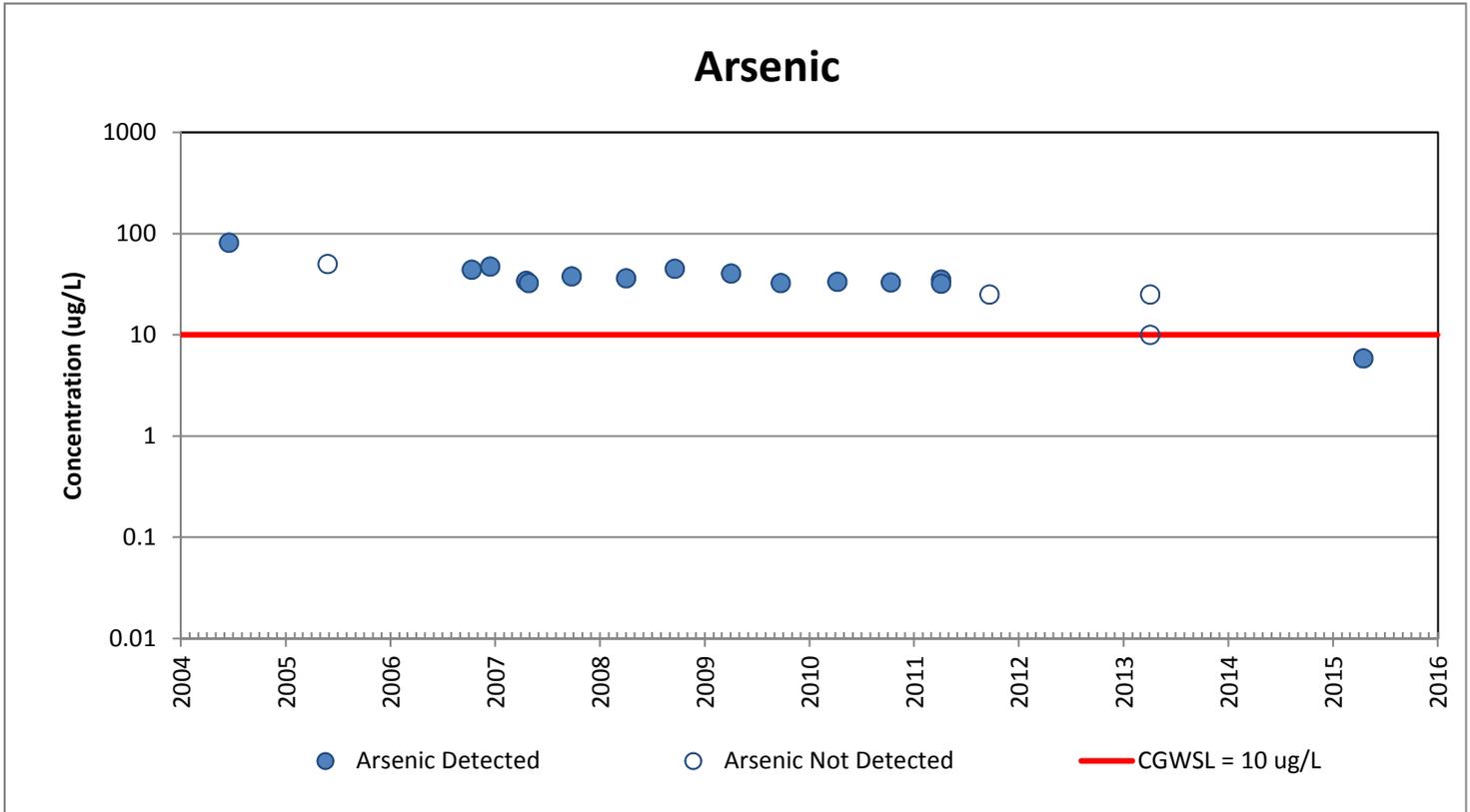
## MTBE



## Naphthalene

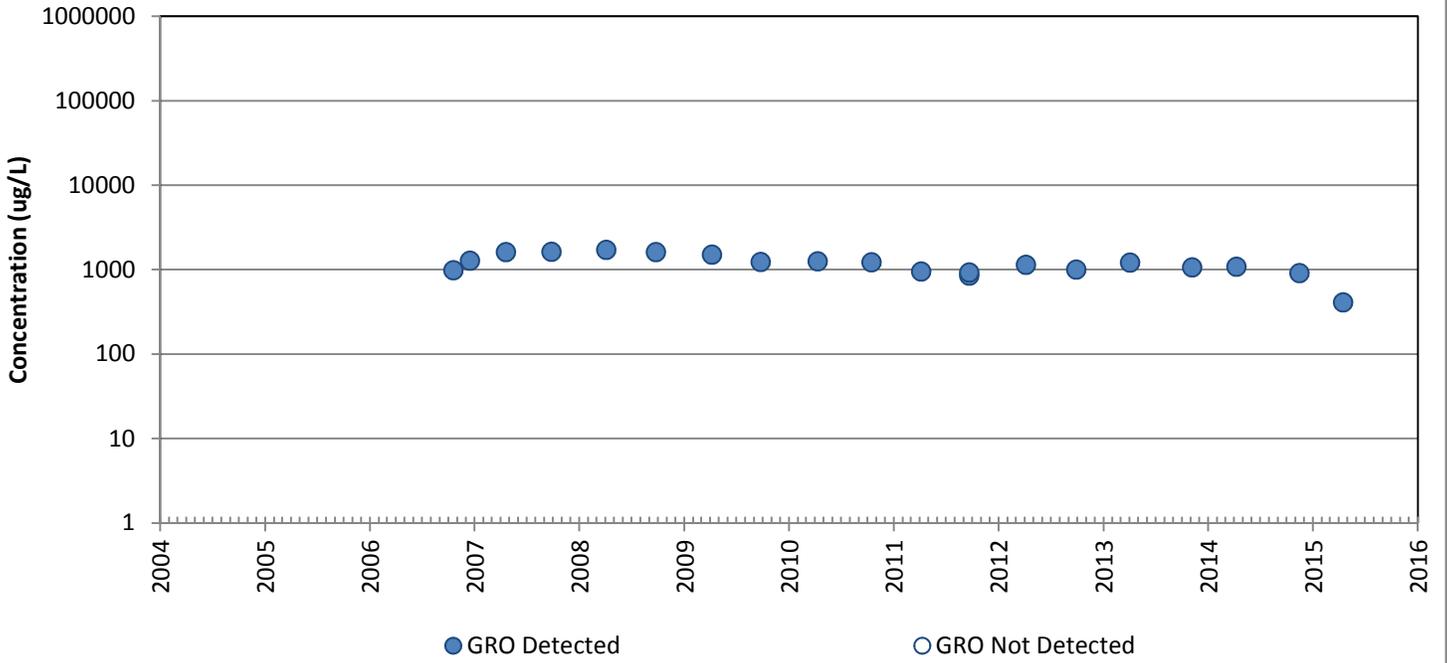


# MW-7B

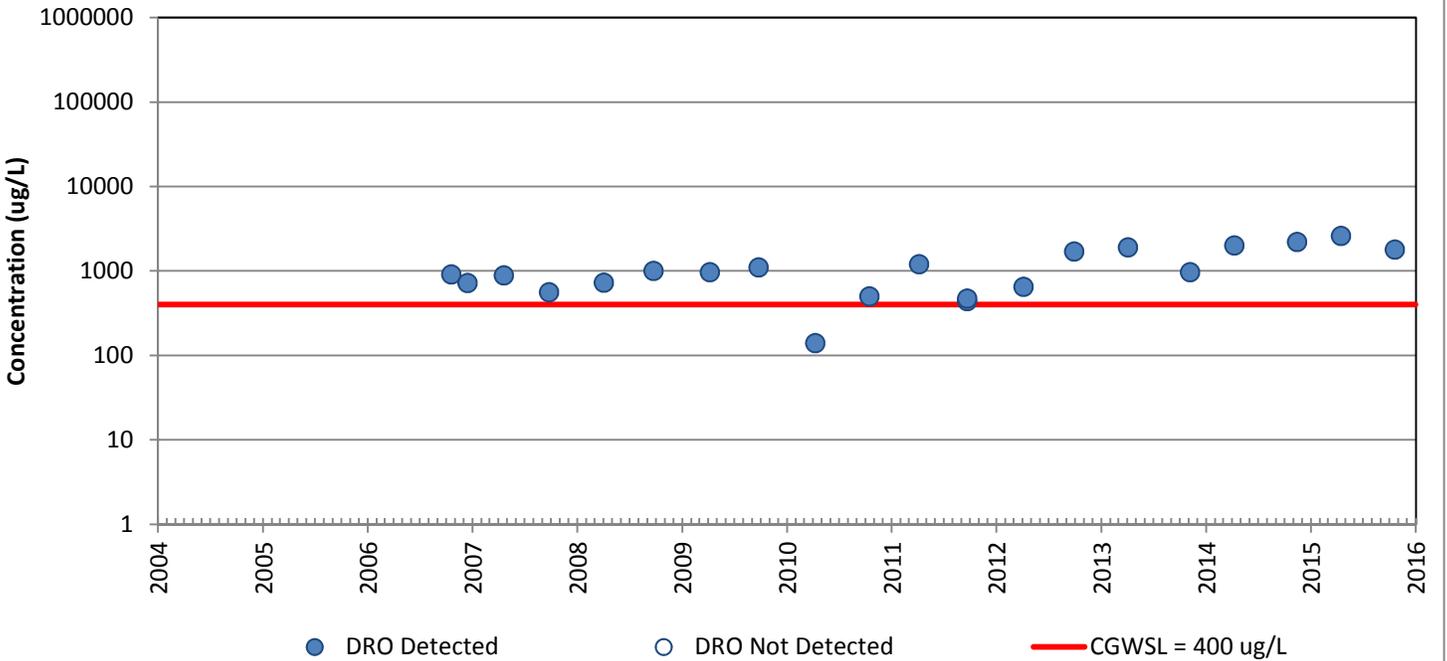


# MW-10

## GRO



## DRO

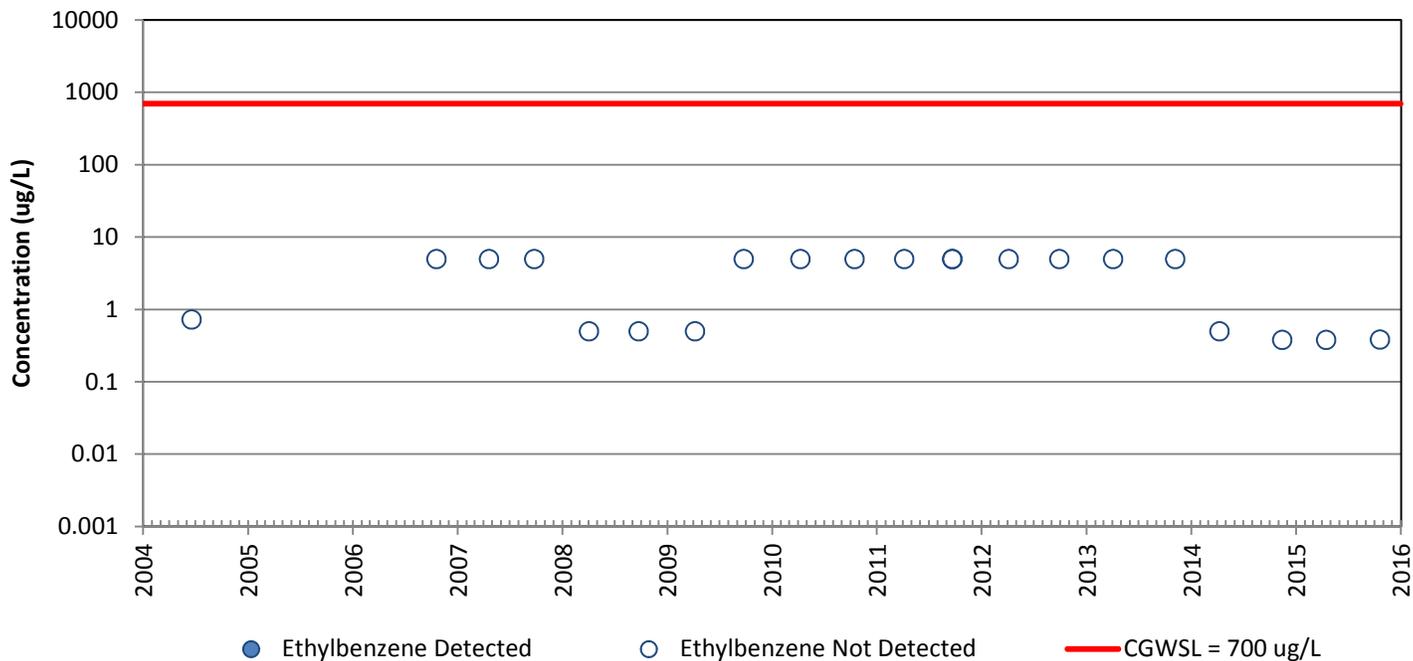


# MW-10

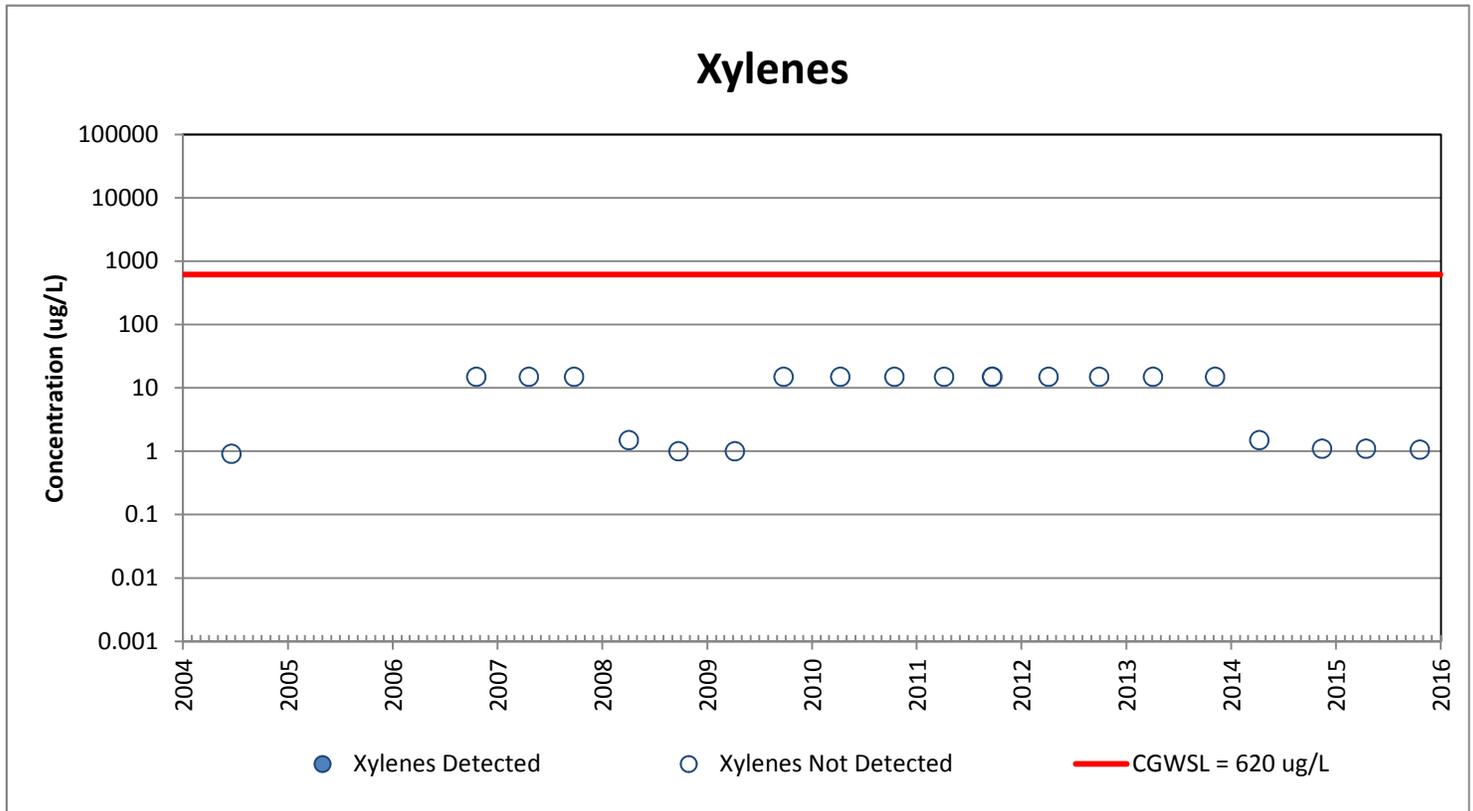
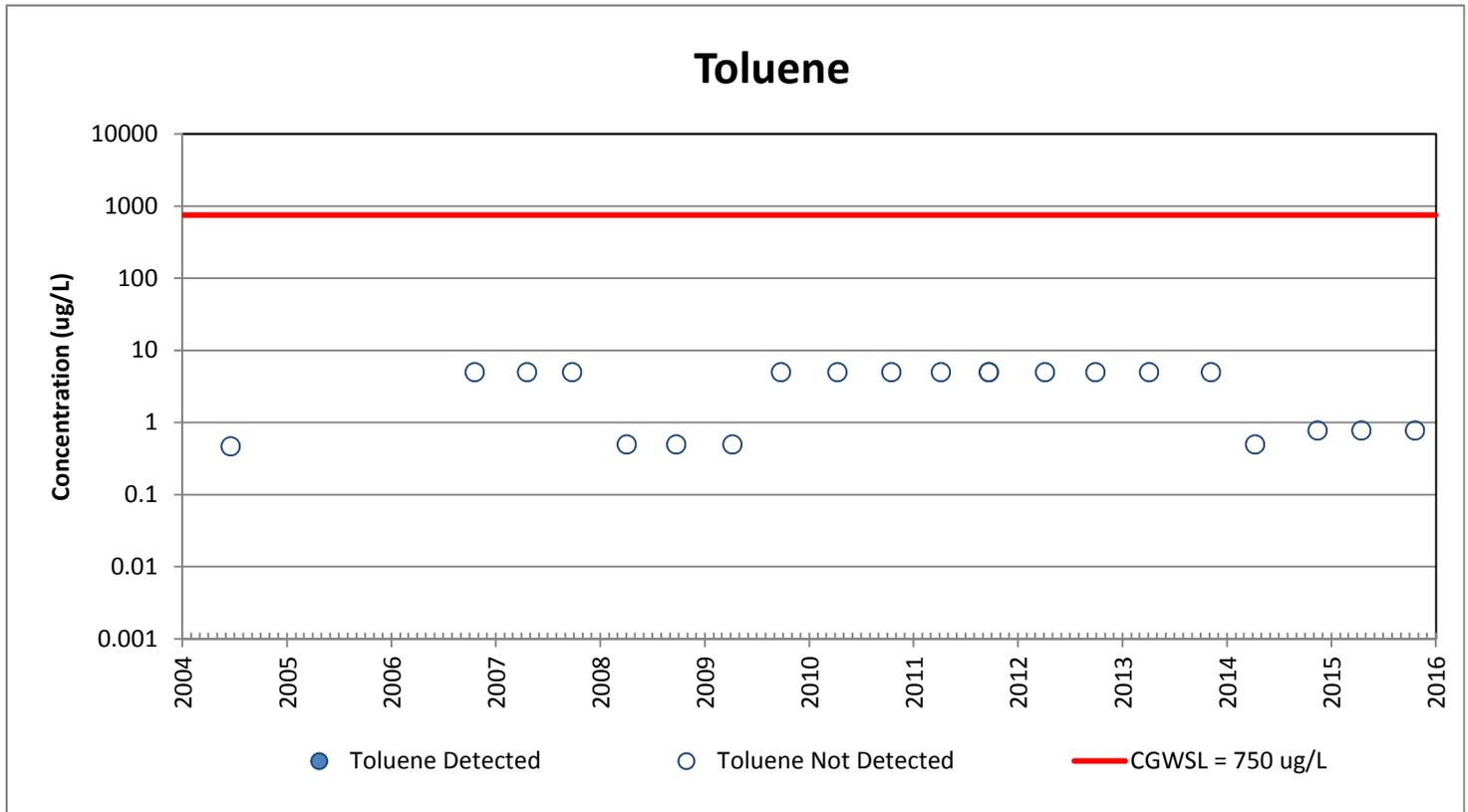
## Benzene



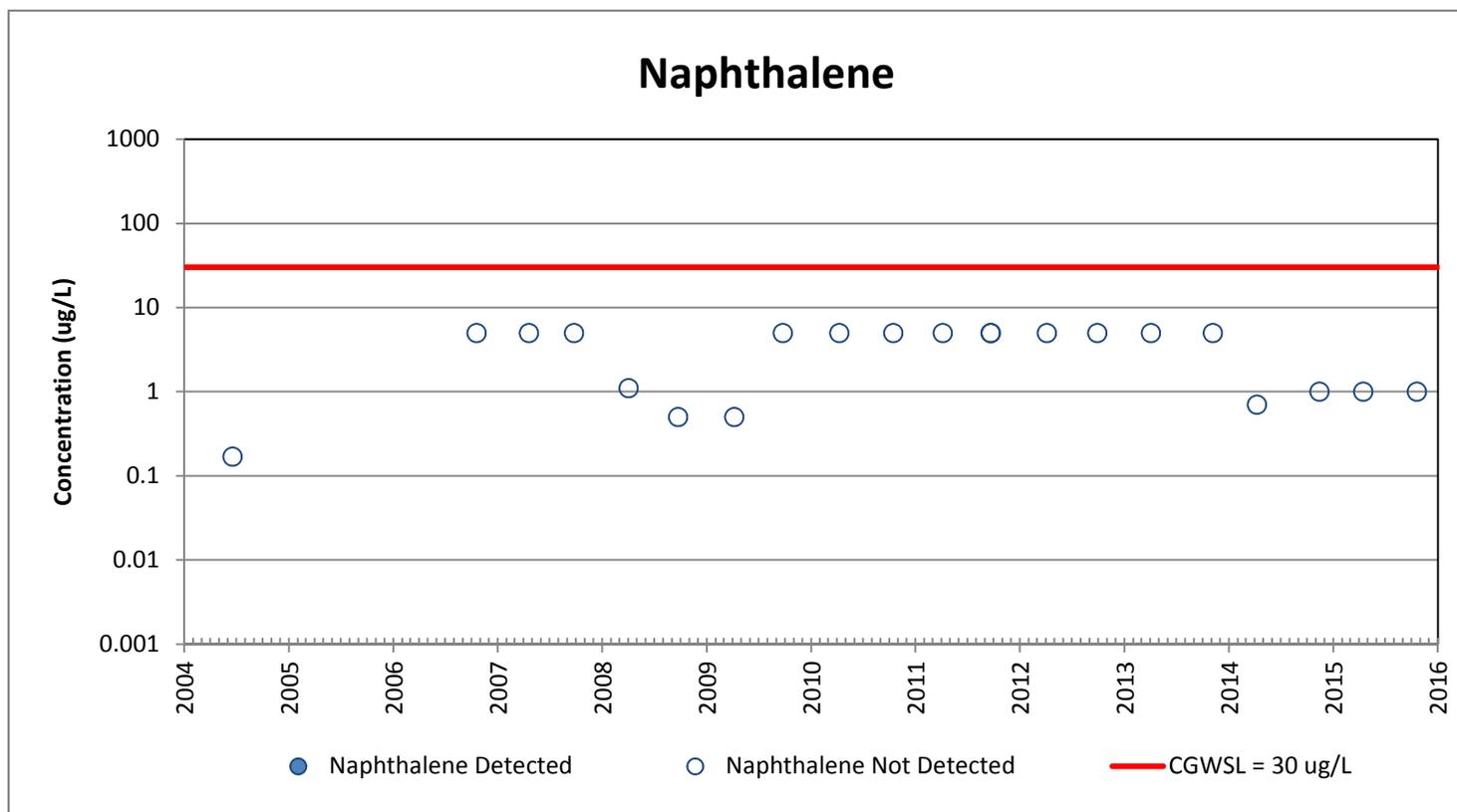
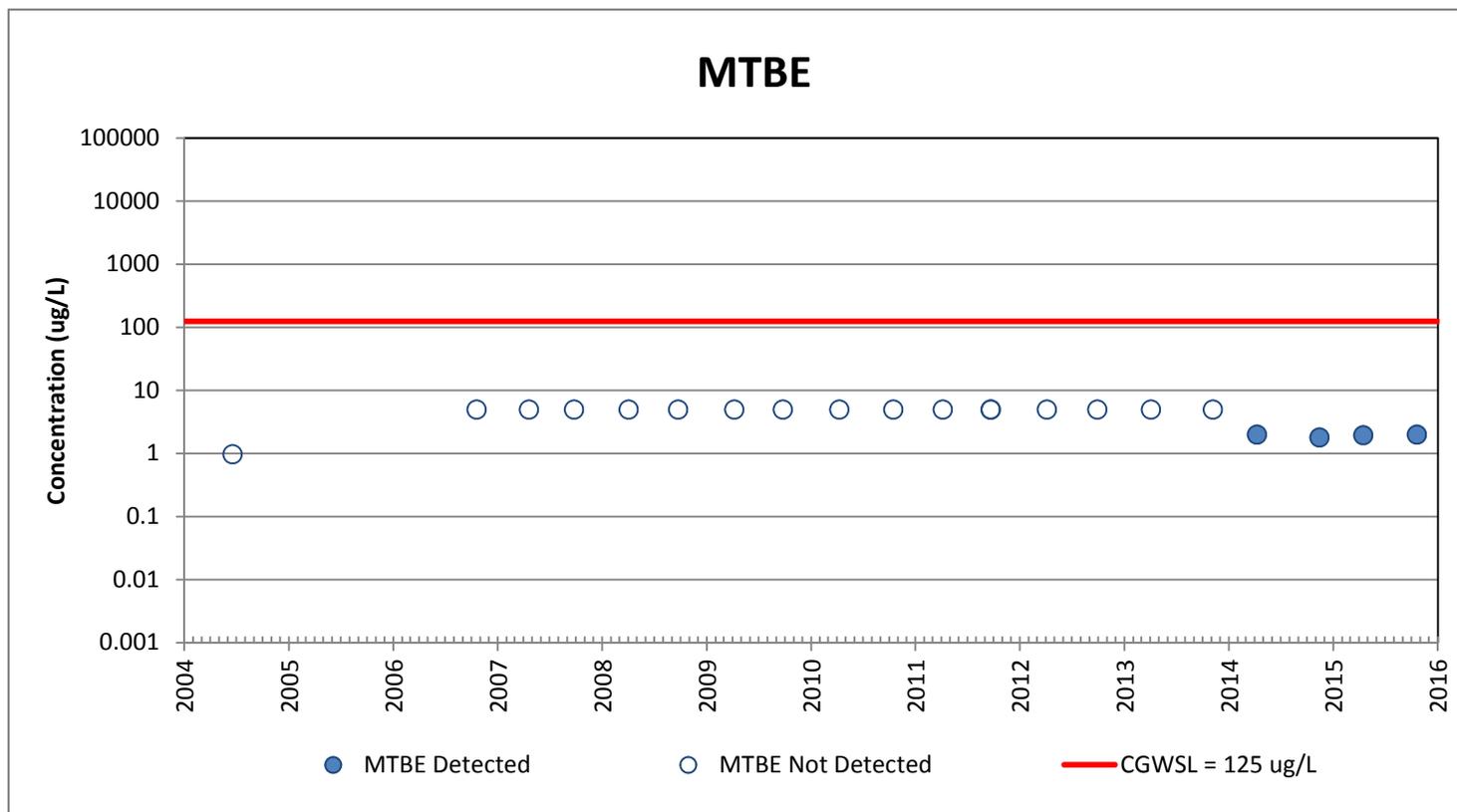
## Ethylbenzene



# MW-10

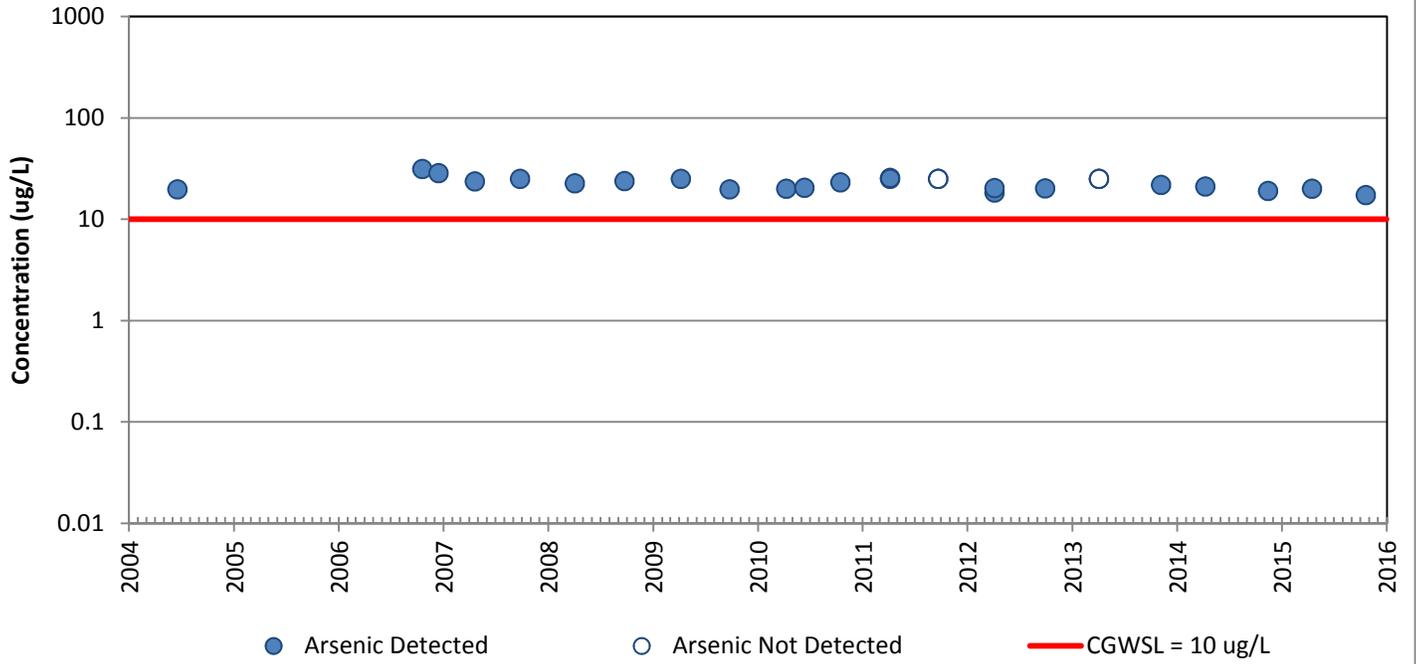


# MW-10

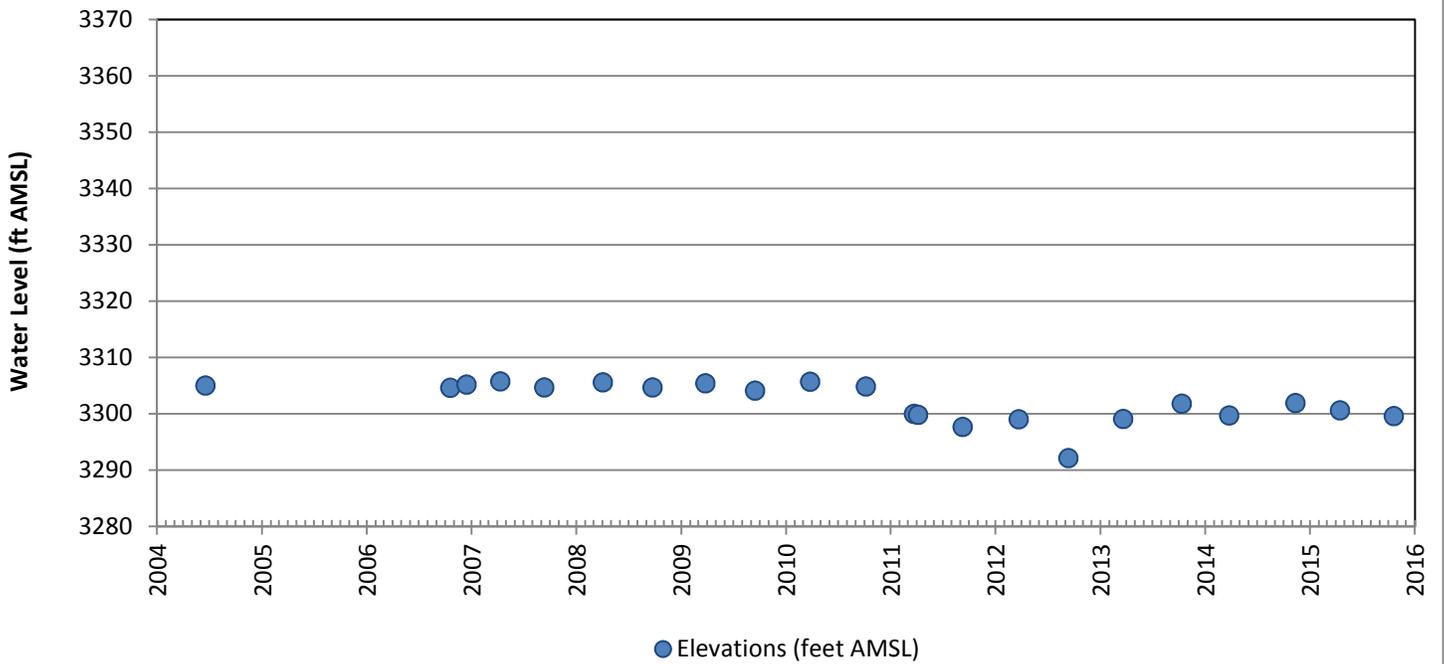


# MW-10

## Arsenic

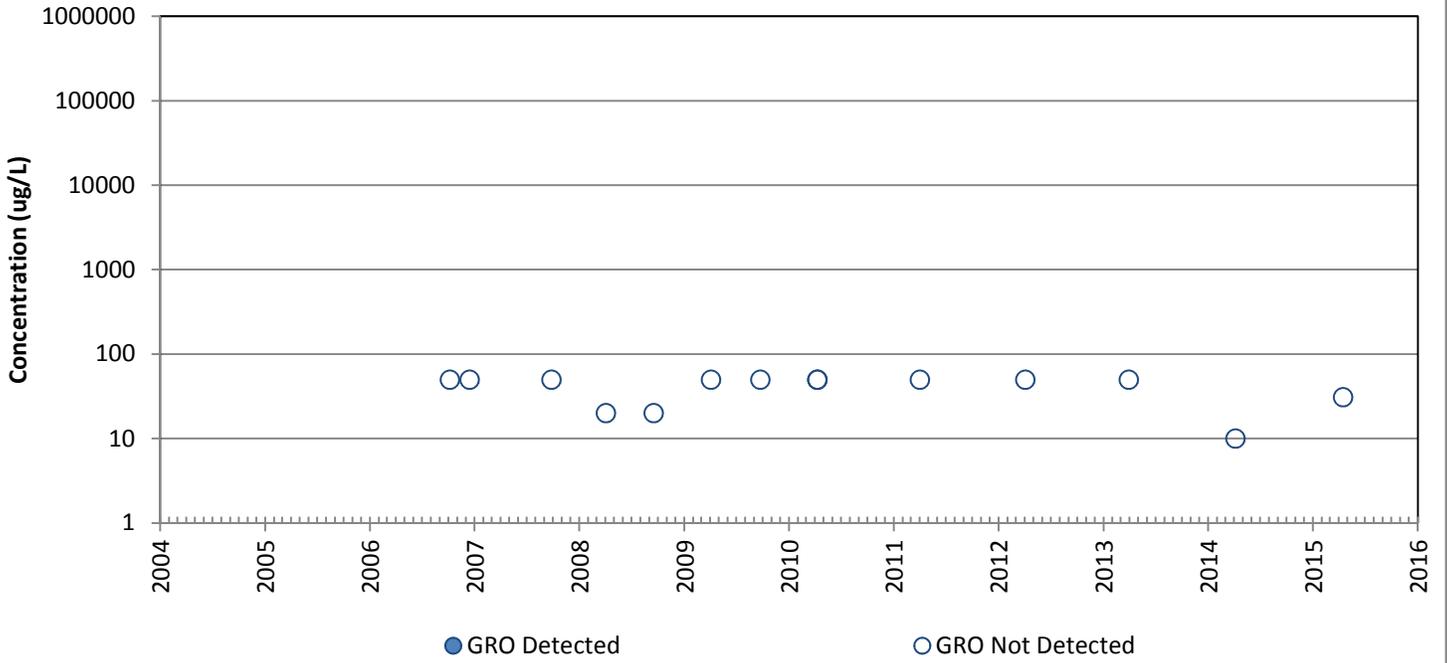


## Water Elevations

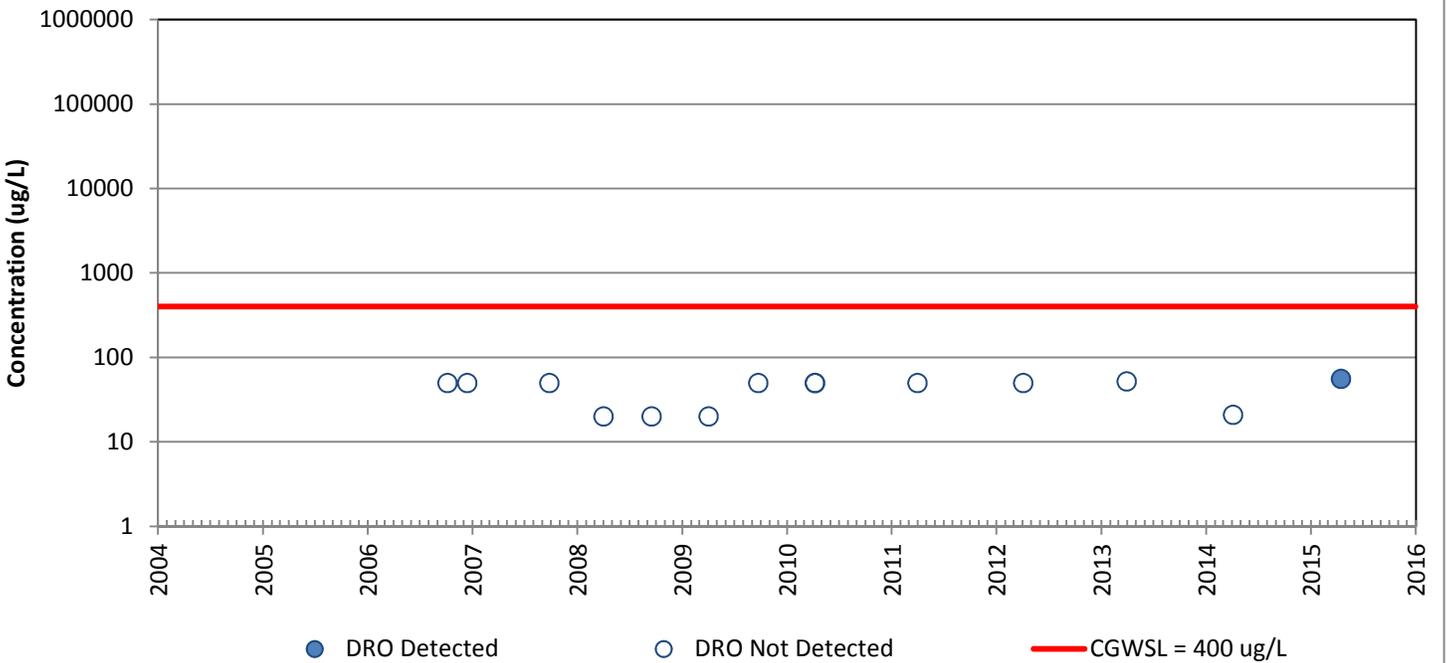


# MW-11A

## GRO

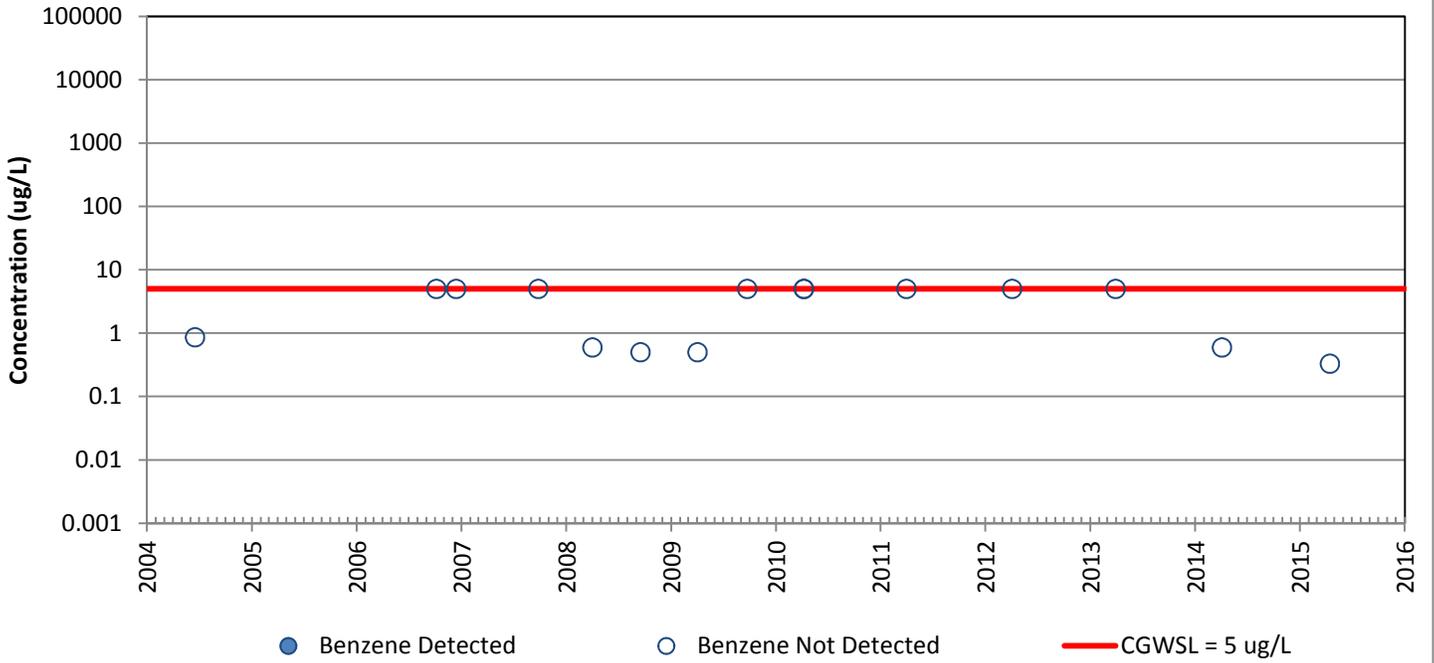


## DRO

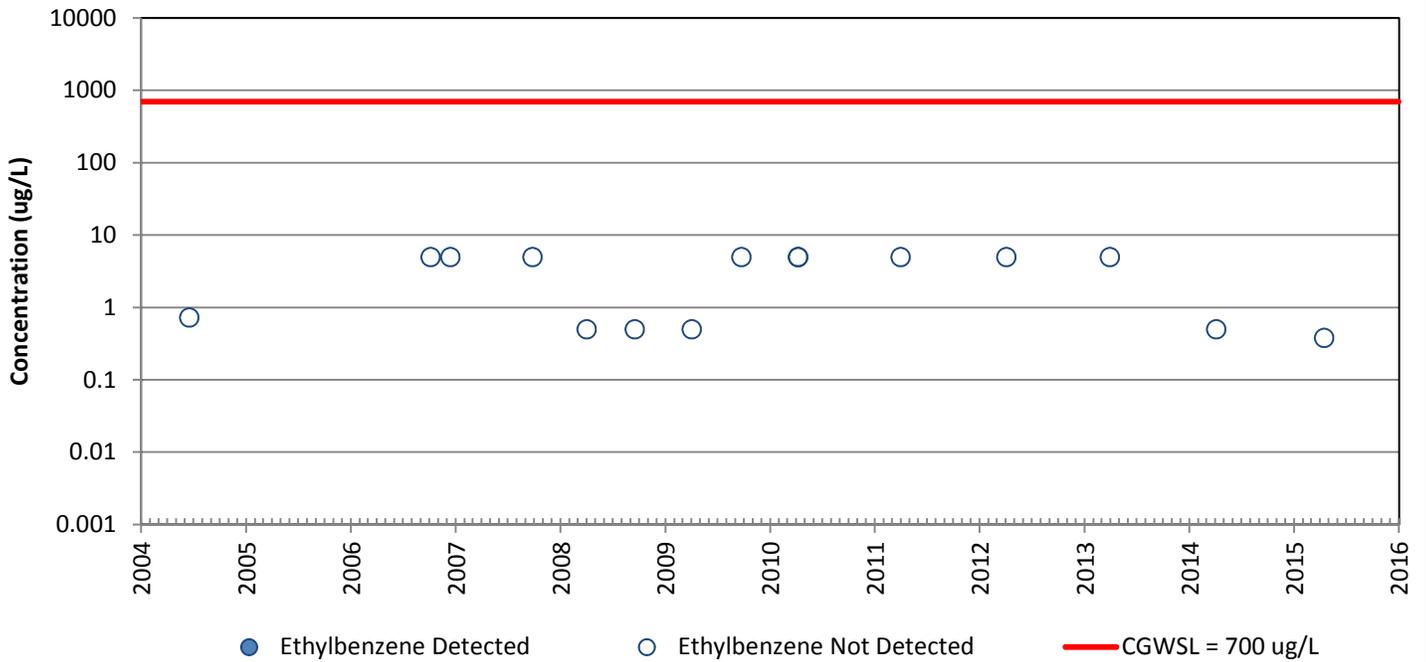


# MW-11A

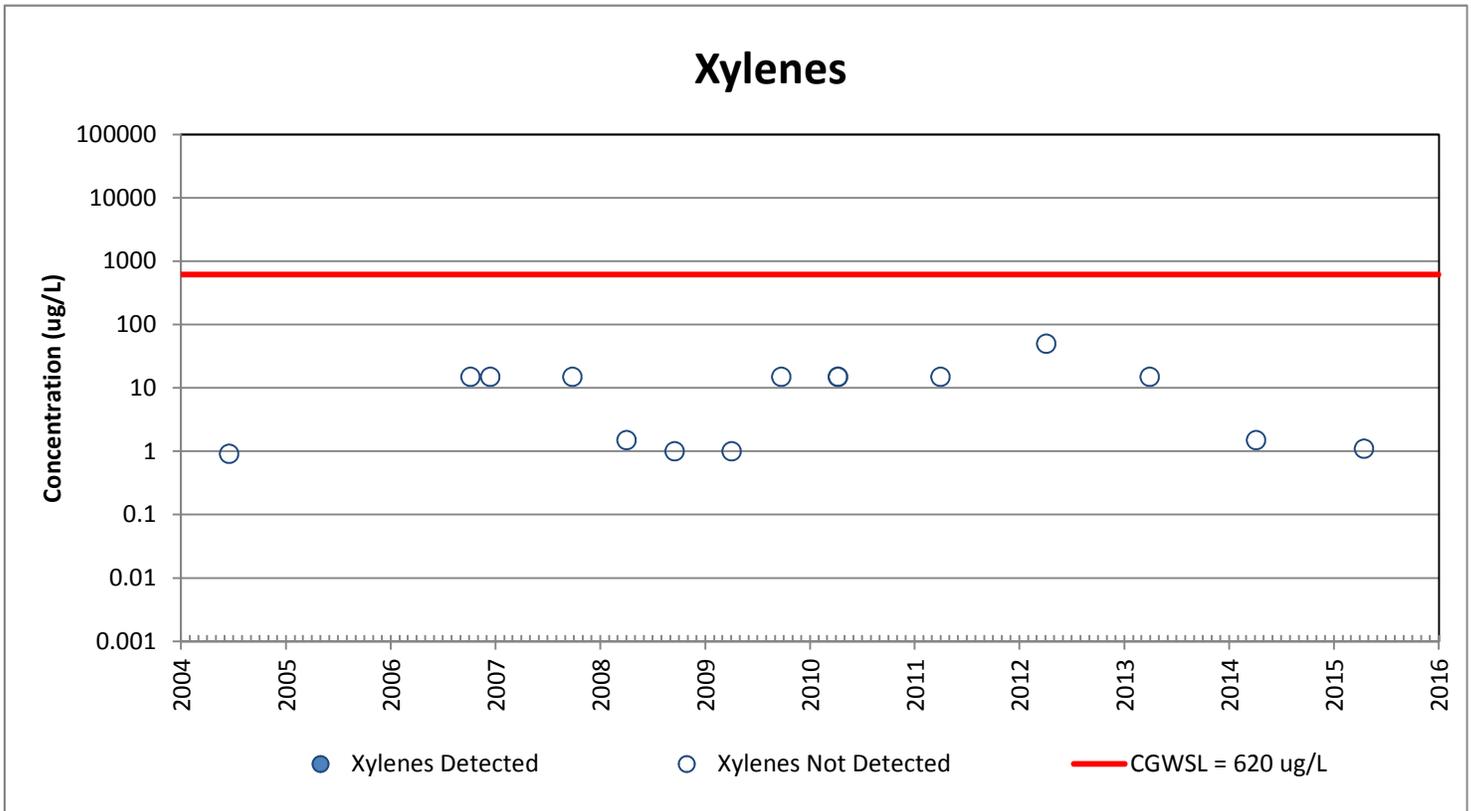
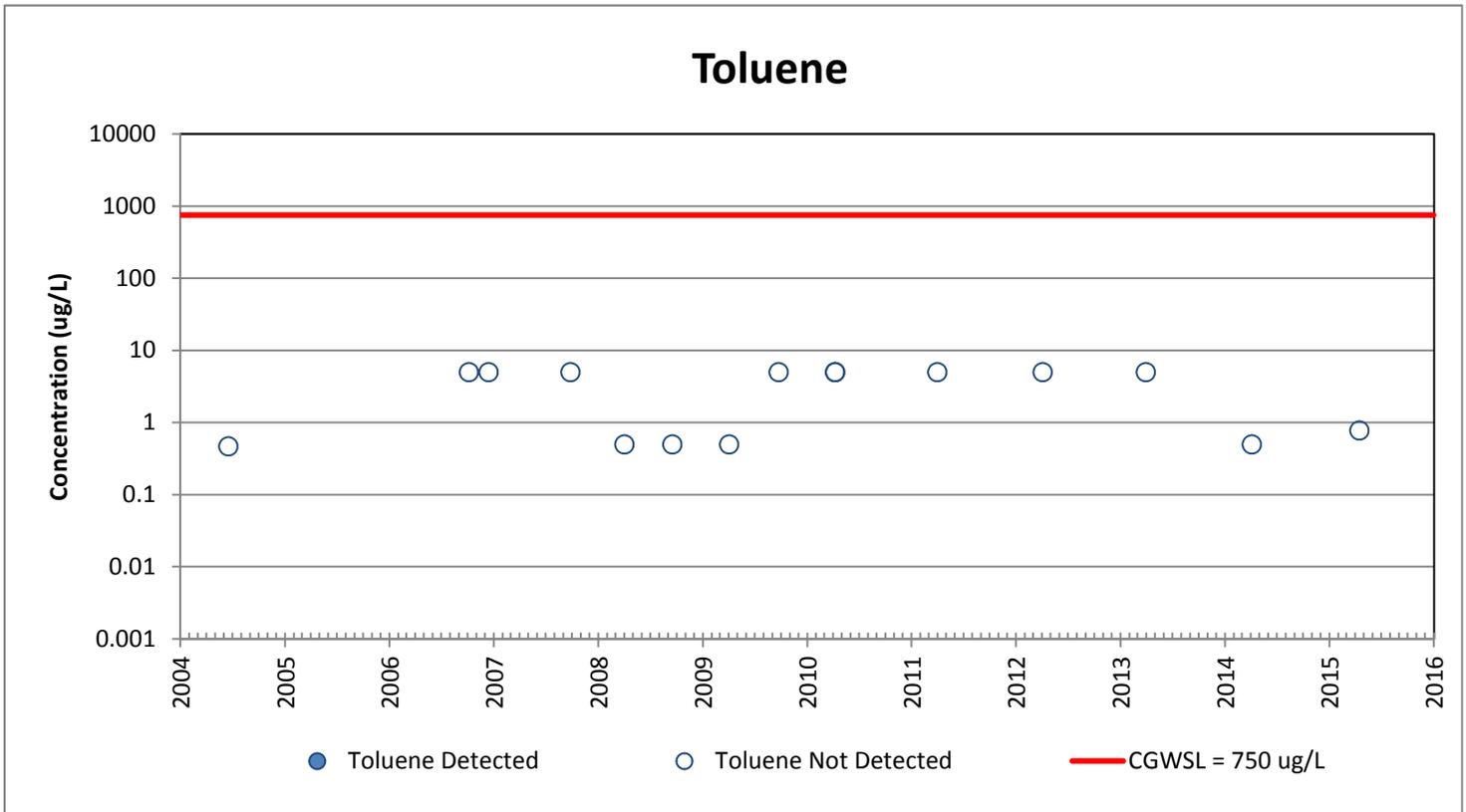
## Benzene



## Ethylbenzene

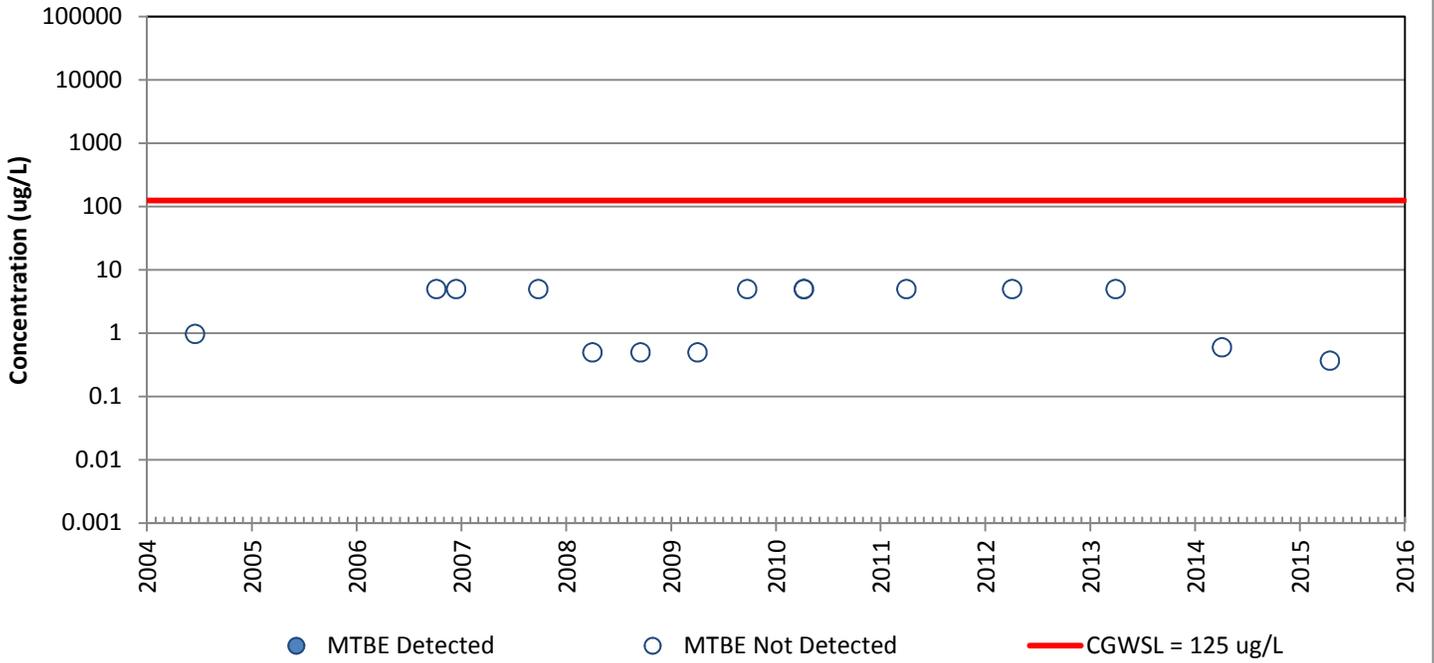


# MW-11A

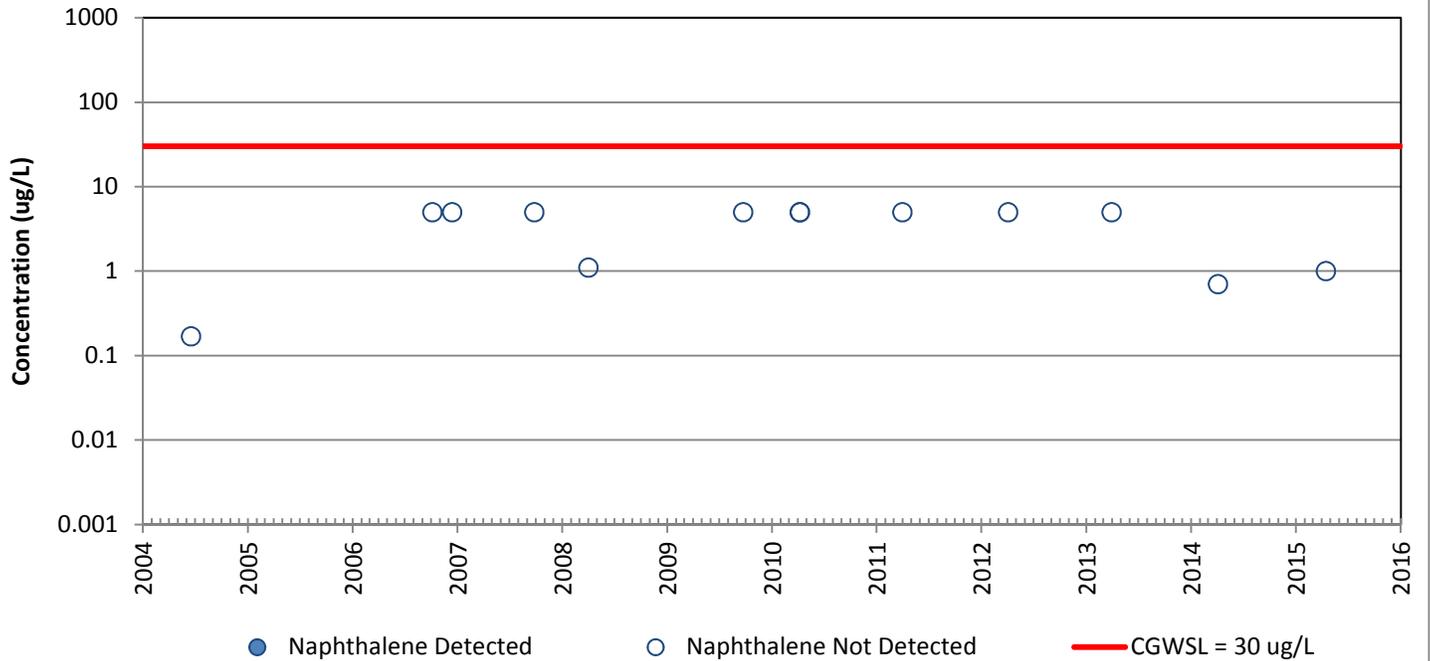


# MW-11A

## MTBE

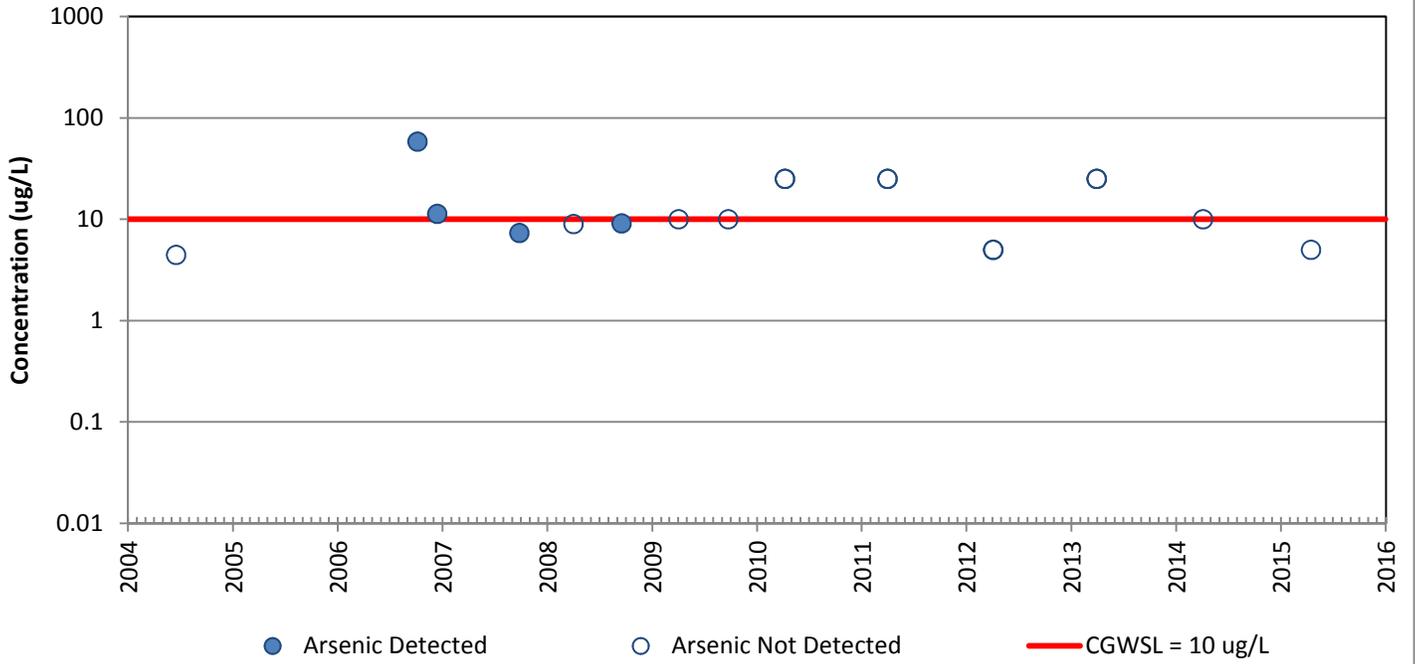


## Naphthalene

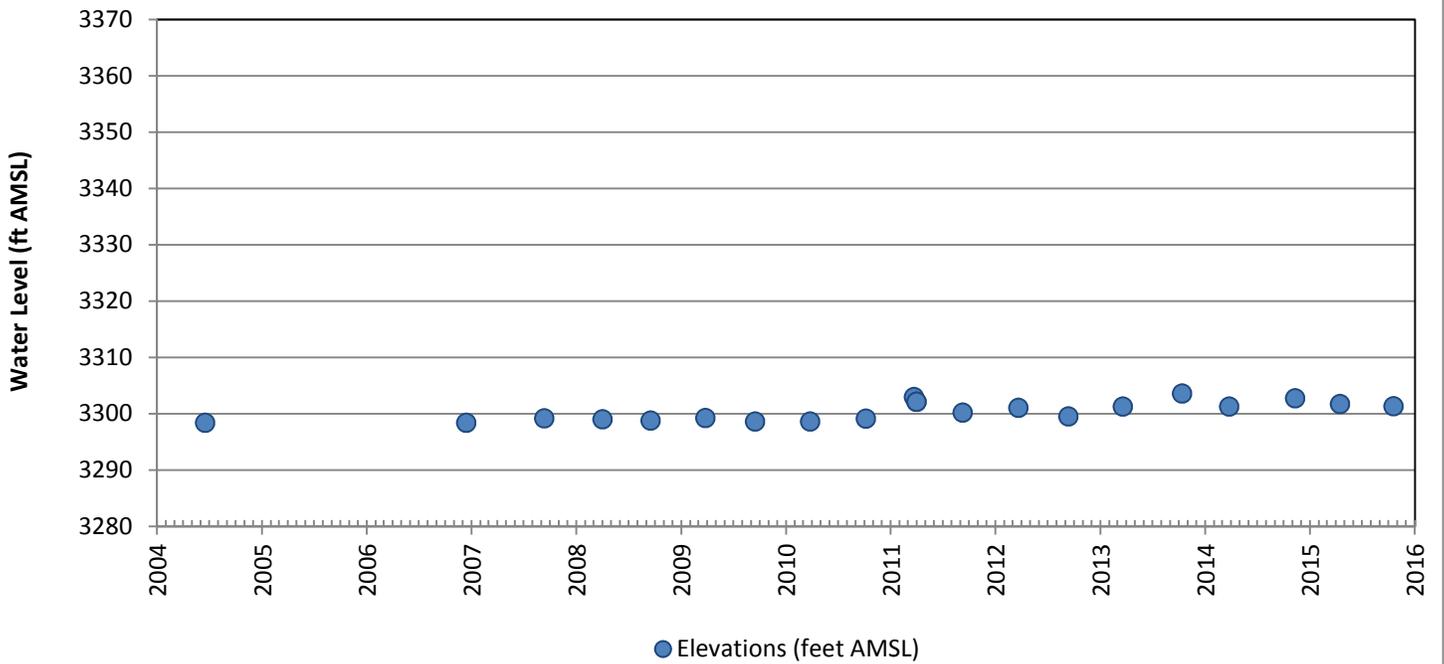


# MW-11A

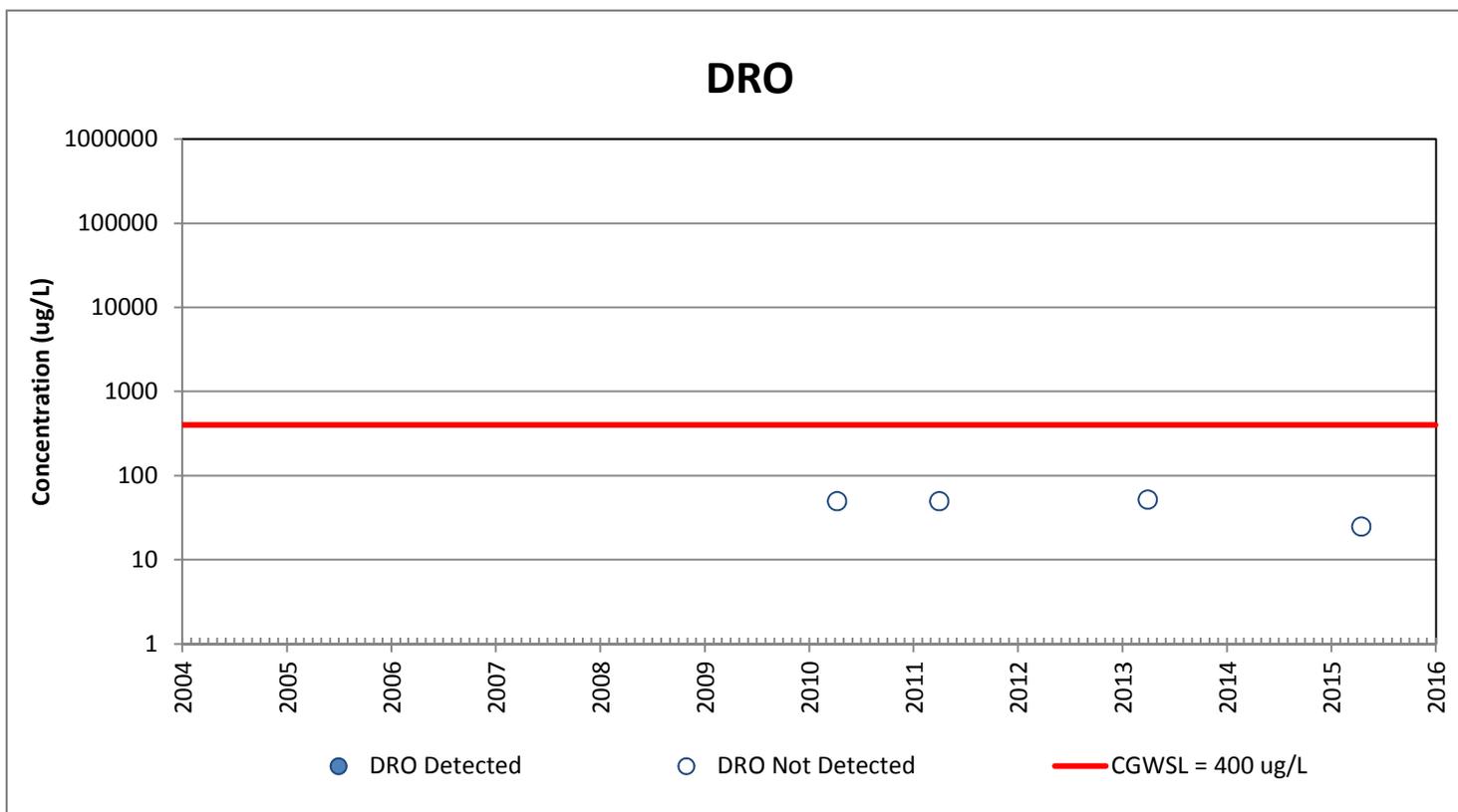
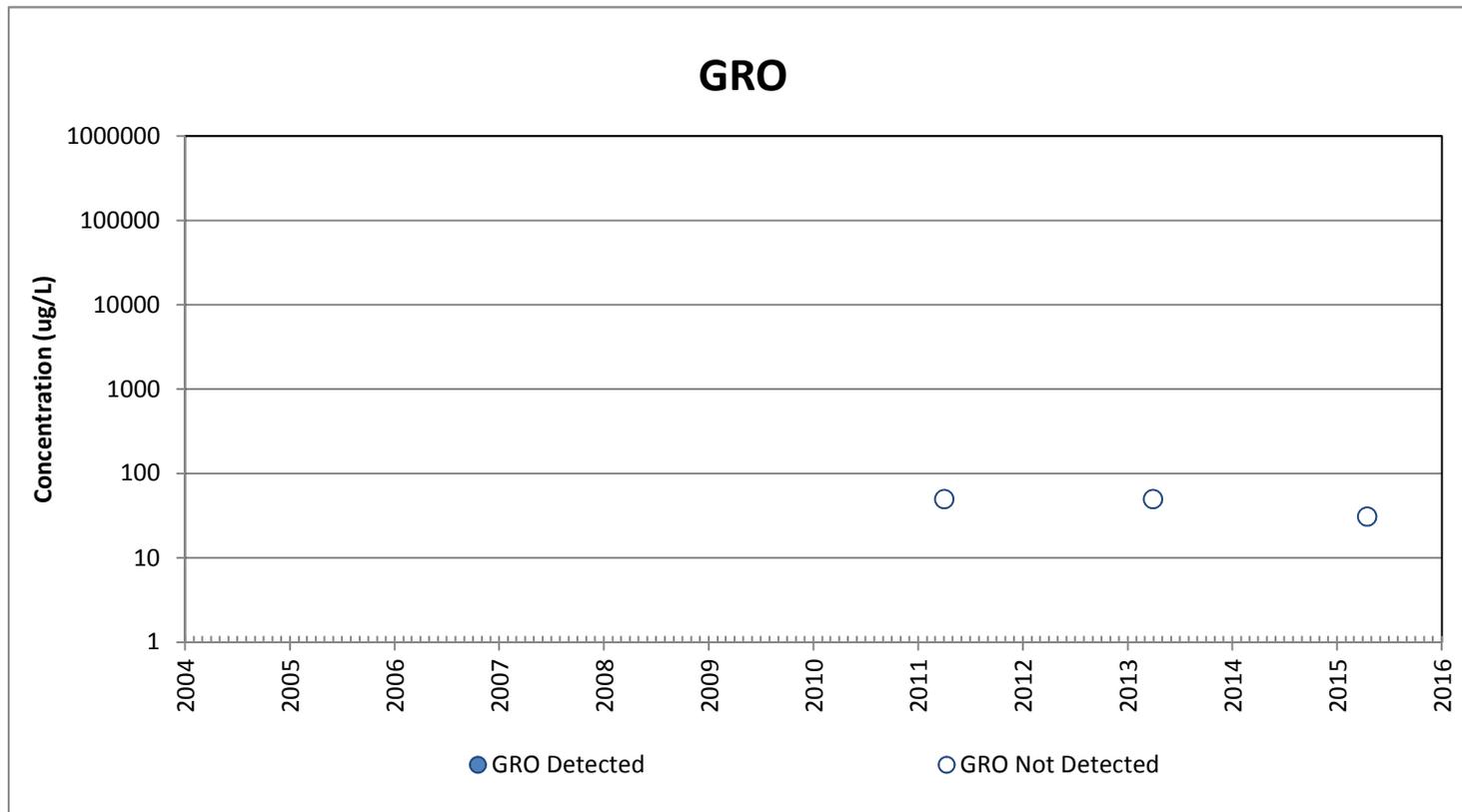
## Arsenic



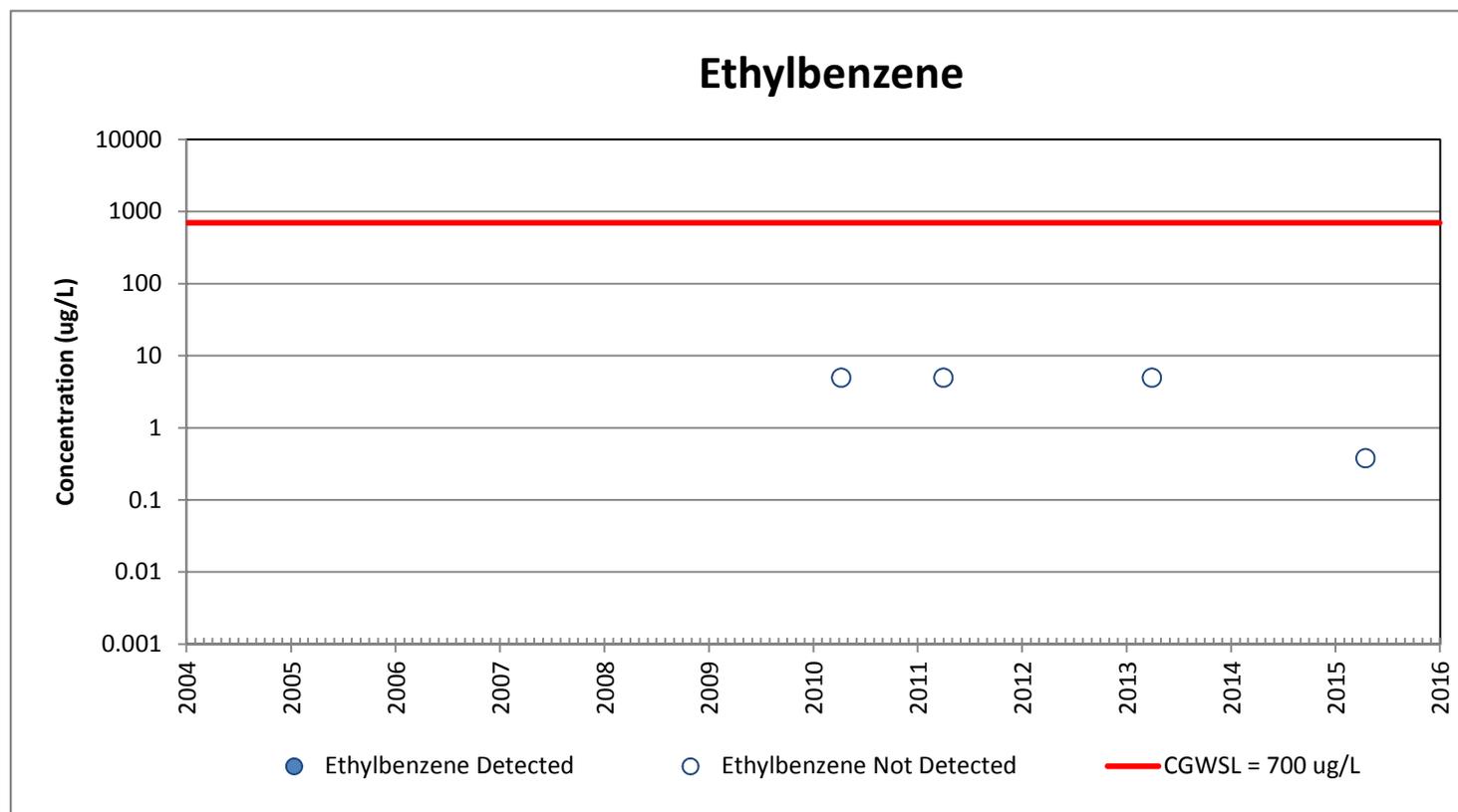
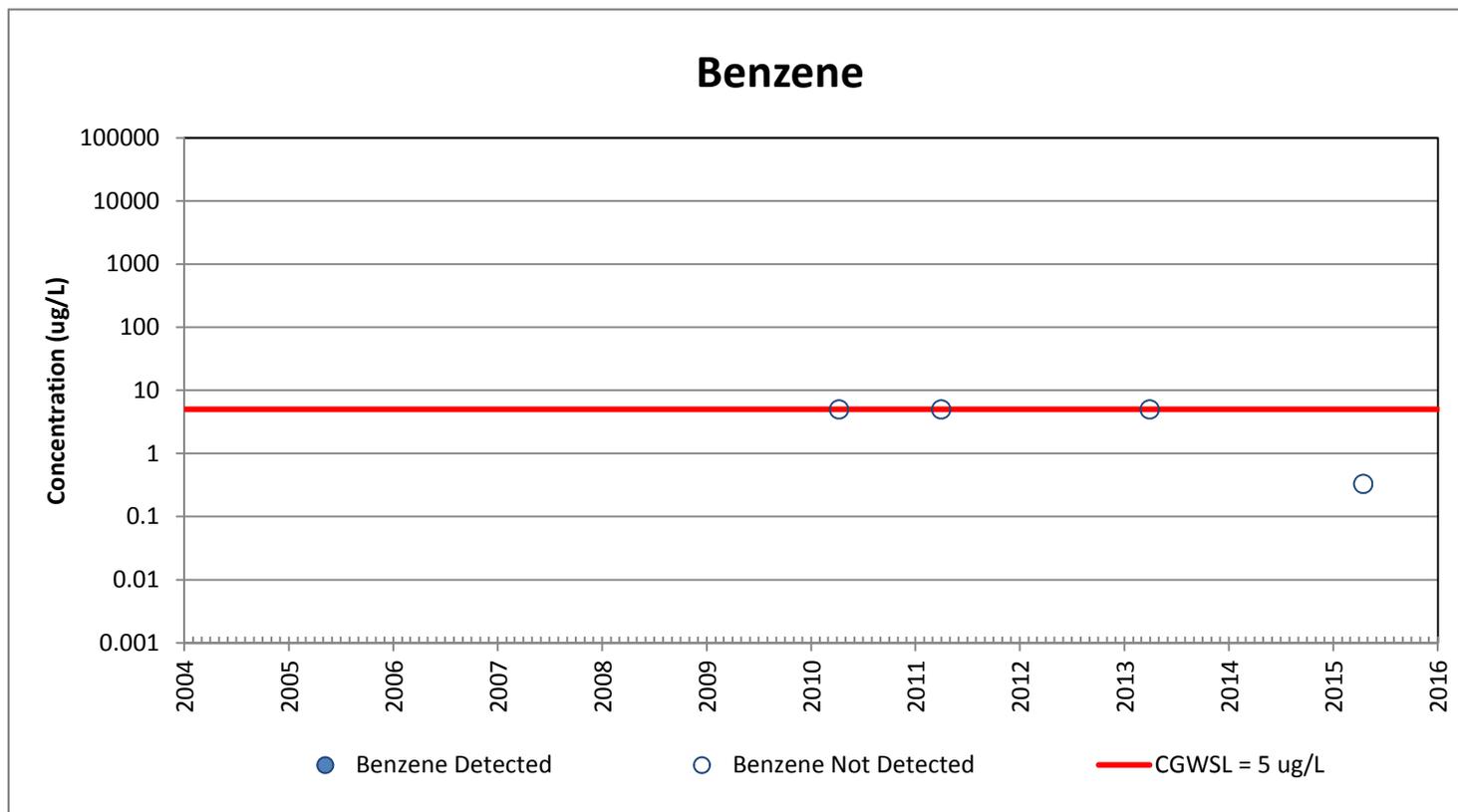
## Water Elevations



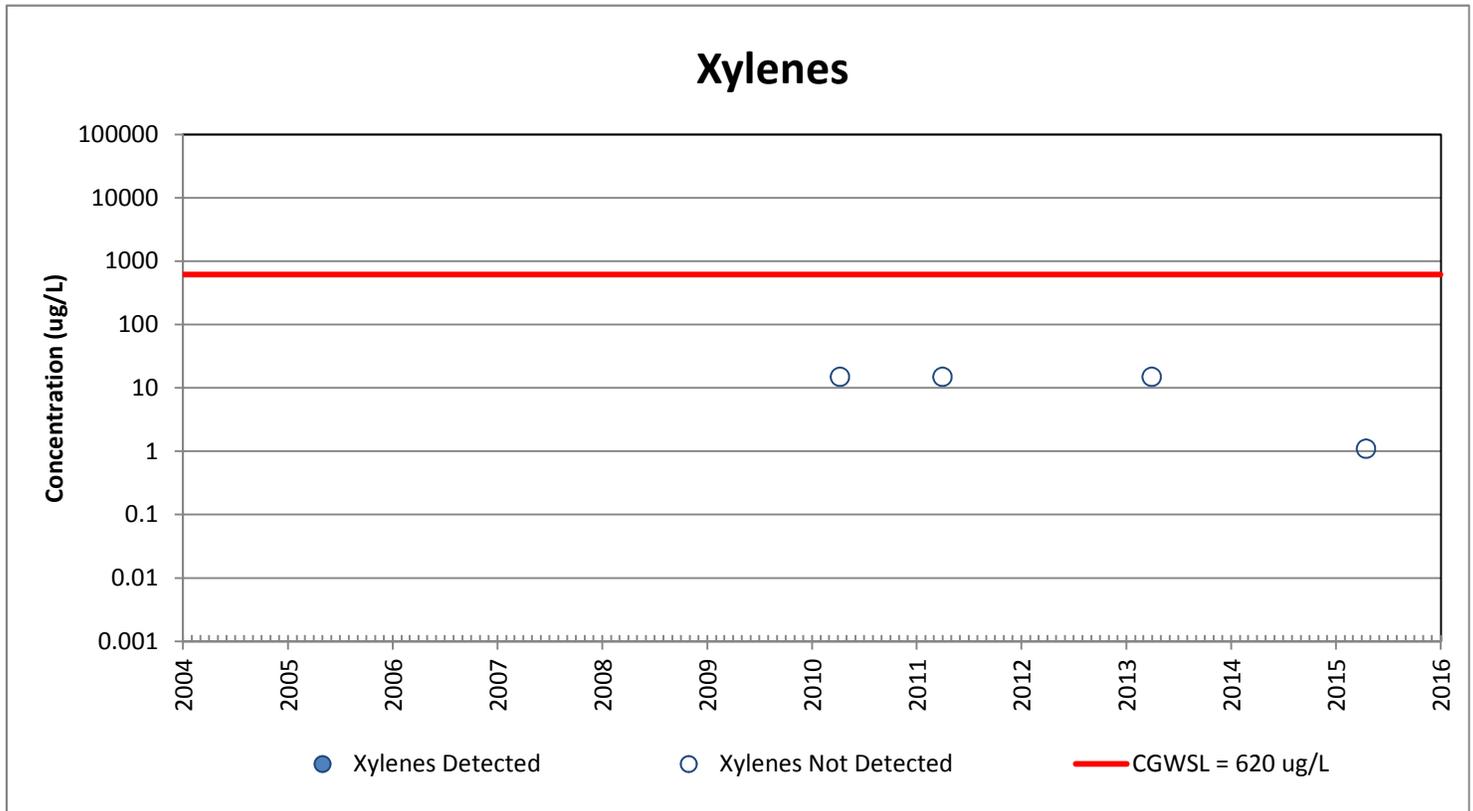
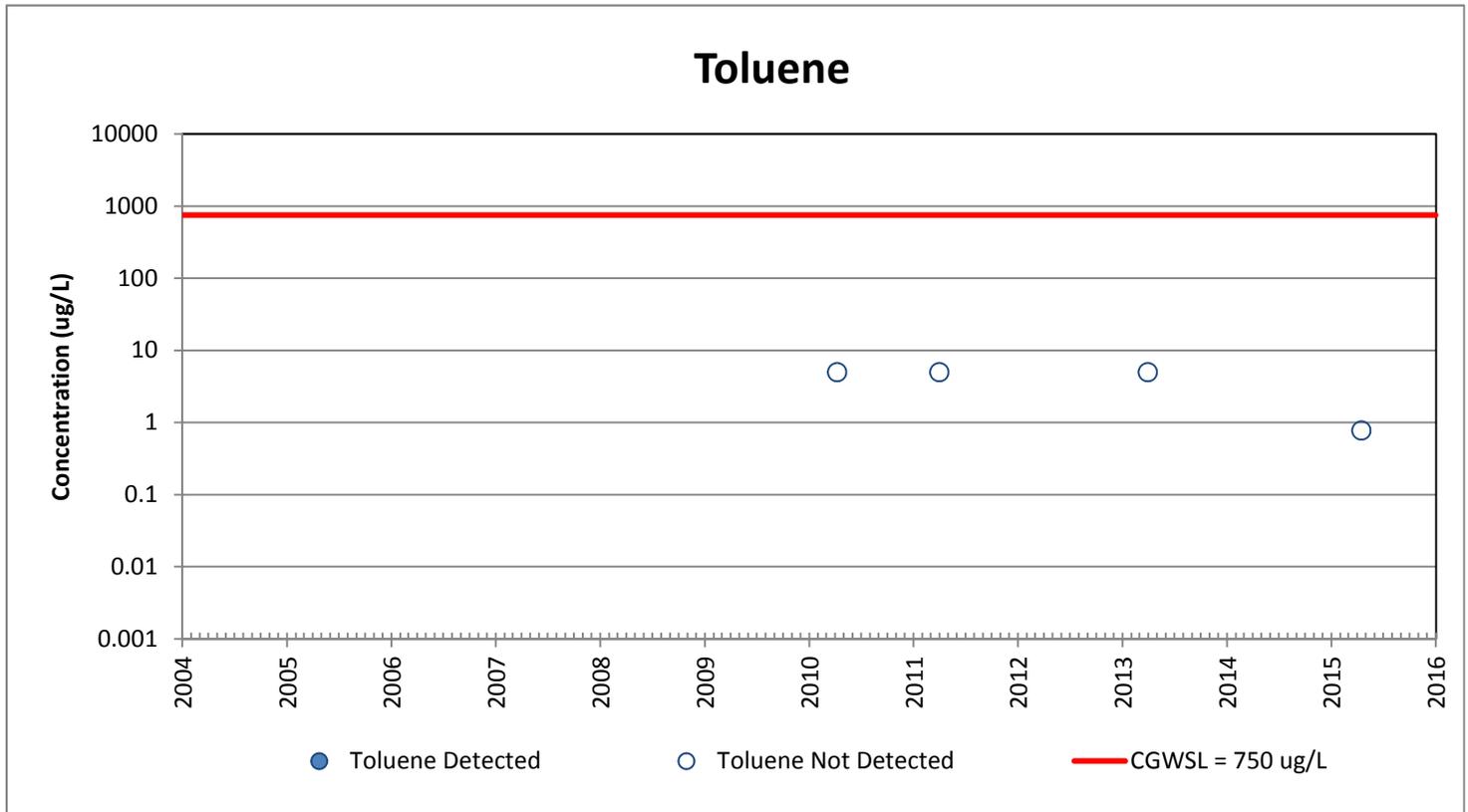
# MW-11B



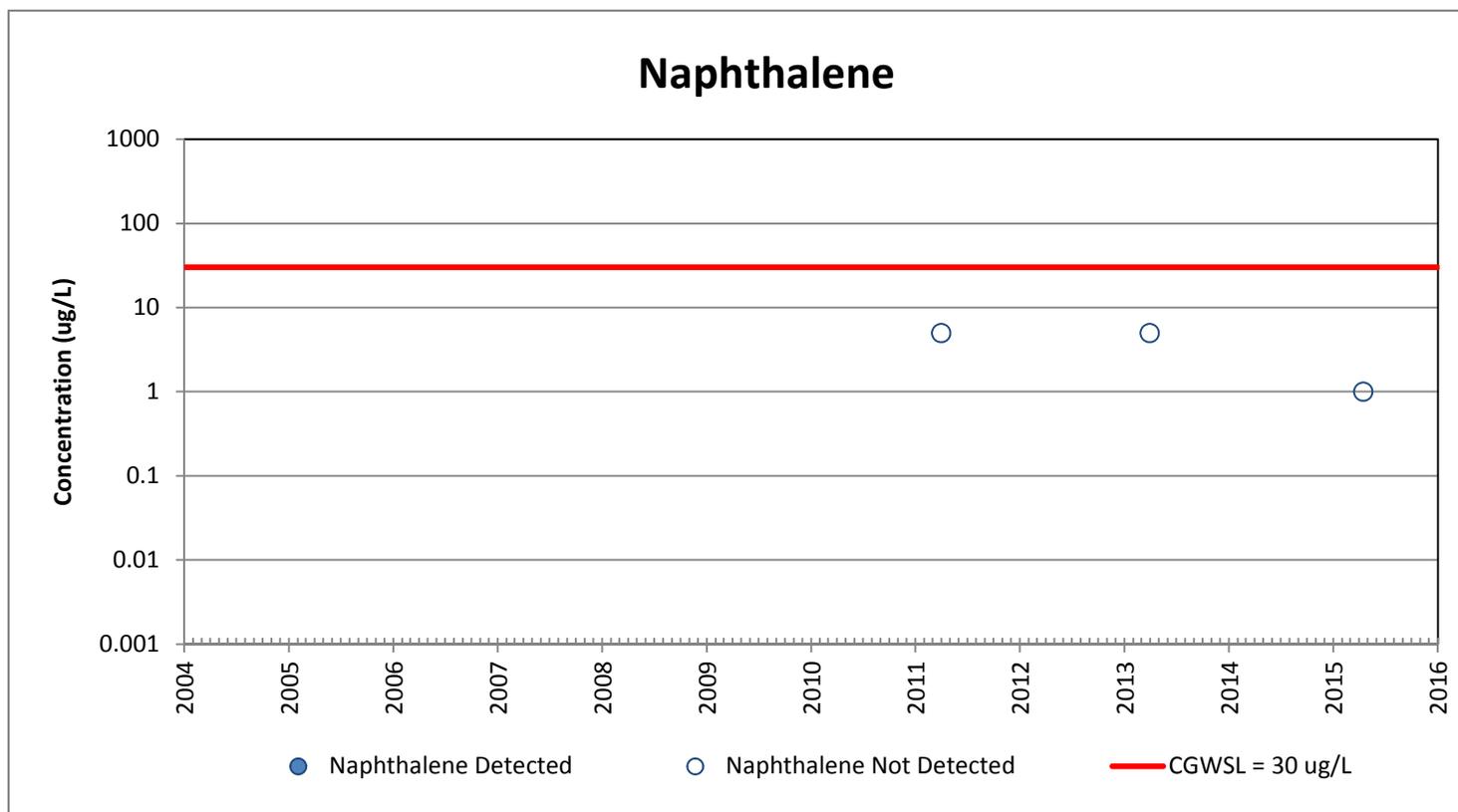
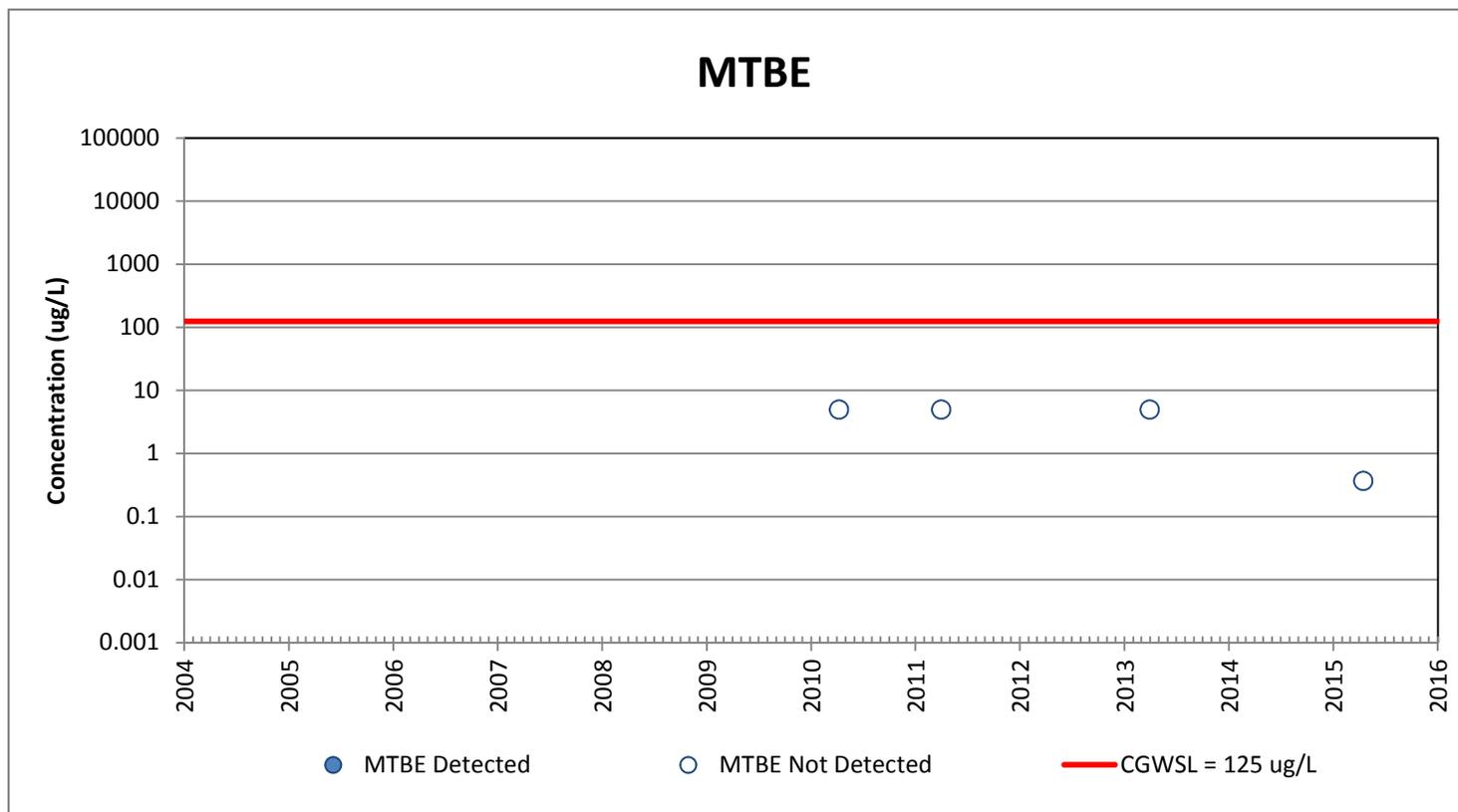
# MW-11B



# MW-11B

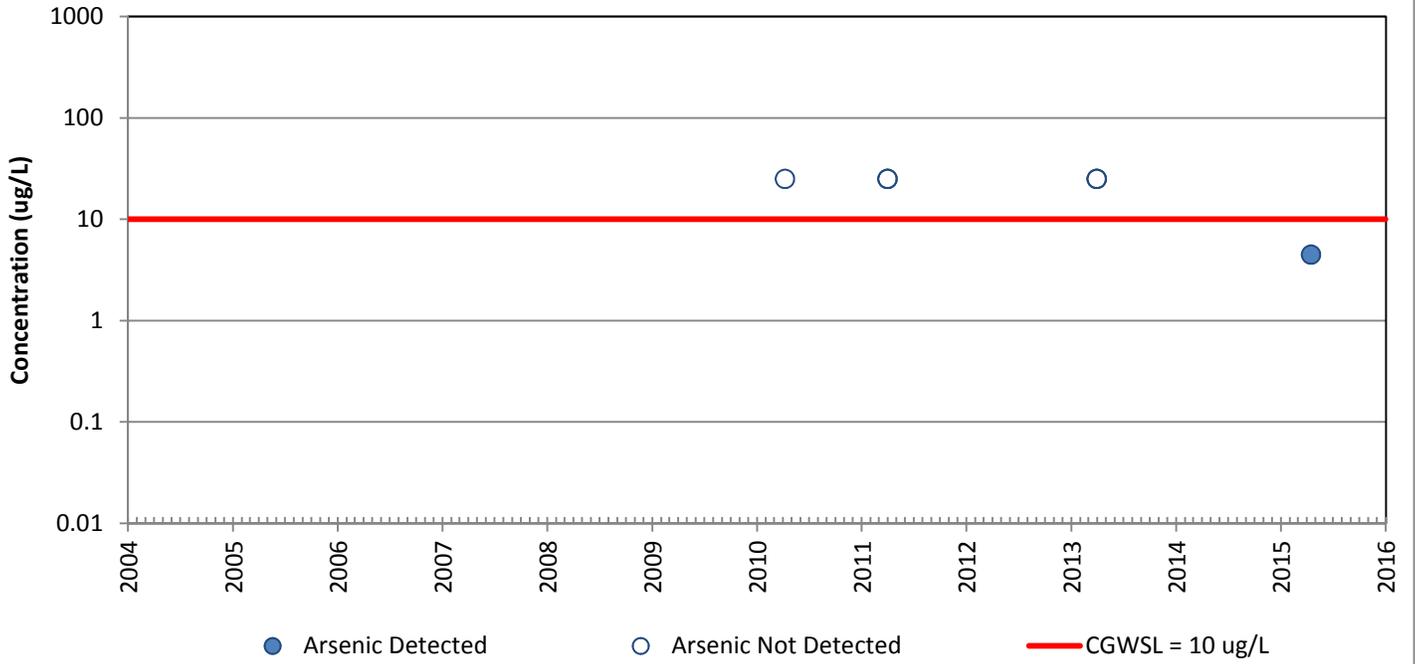


# MW-11B

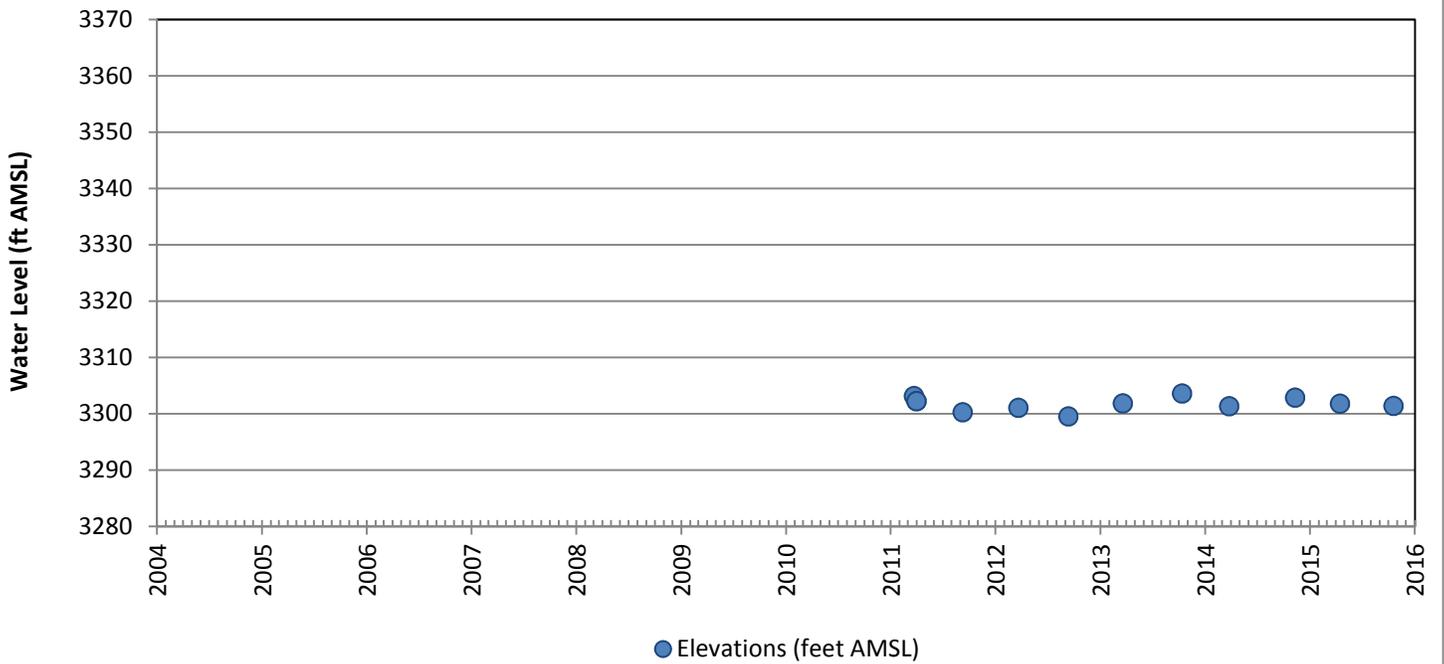


# MW-11B

## Arsenic

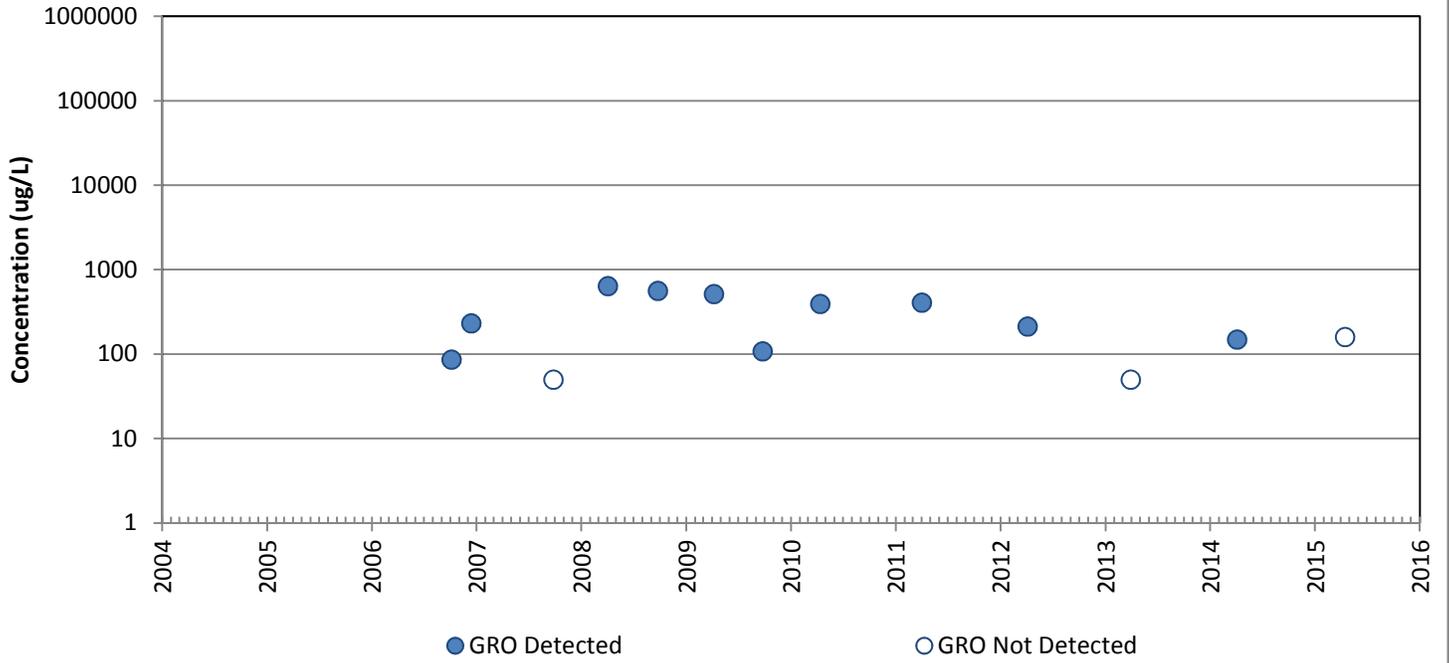


## Water Elevations

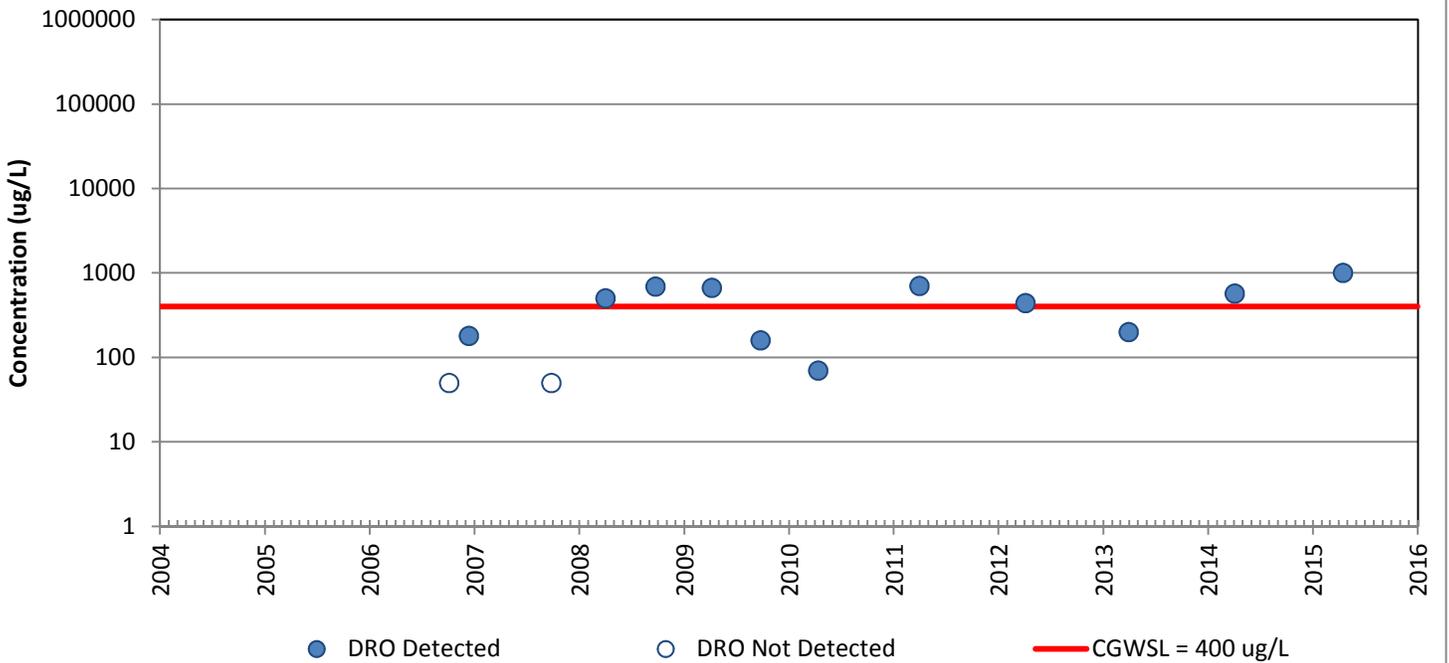


# MW-15

## GRO

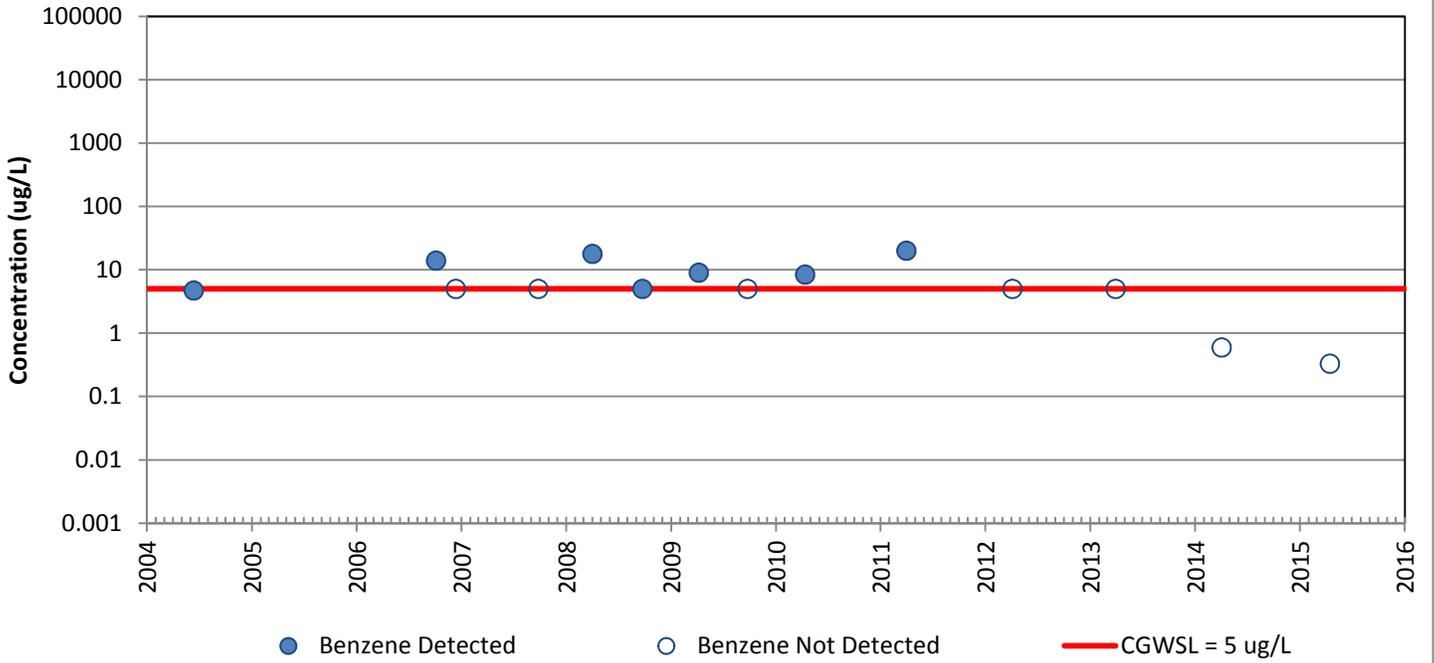


## DRO

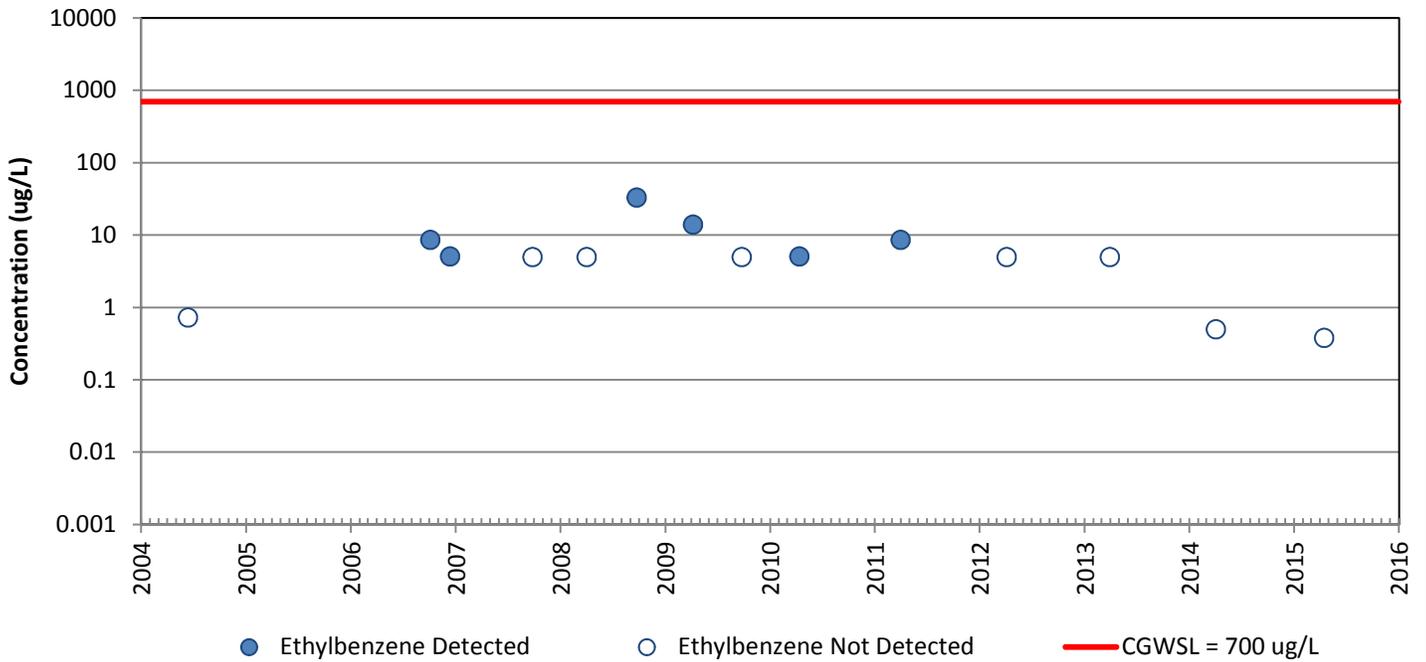


# MW-15

## Benzene

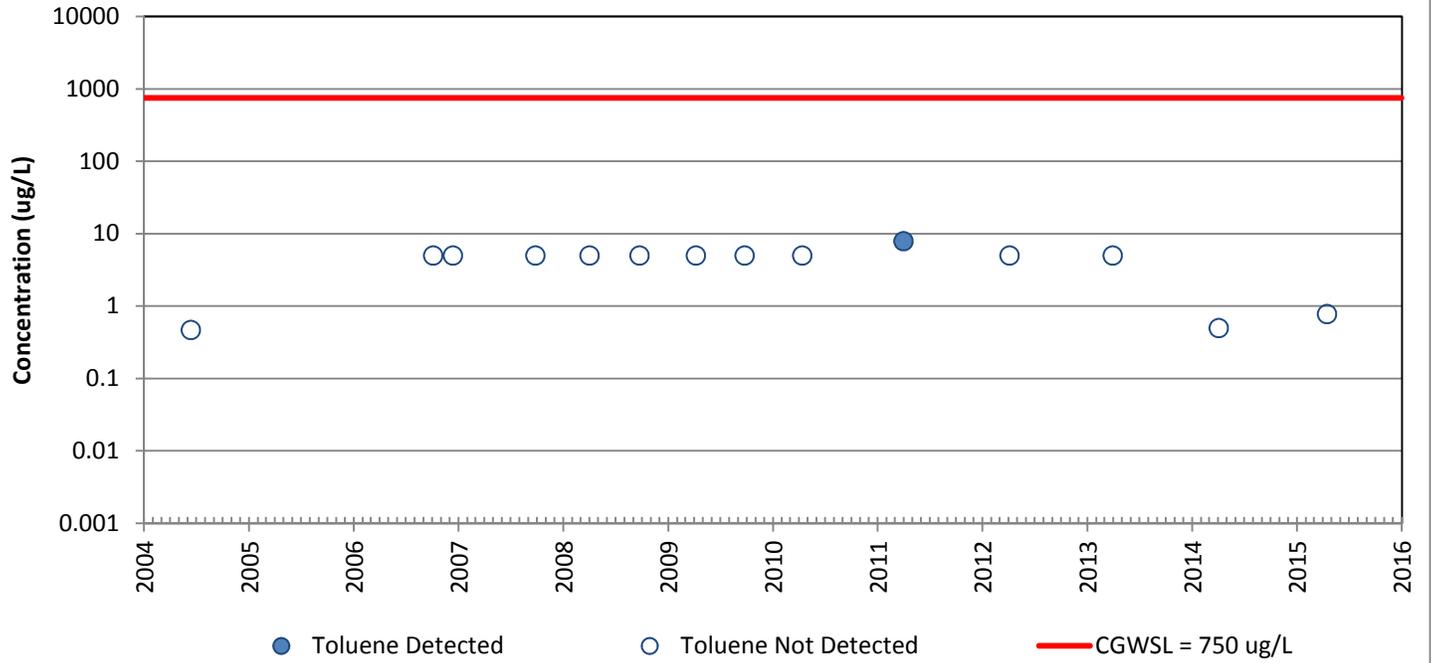


## Ethylbenzene

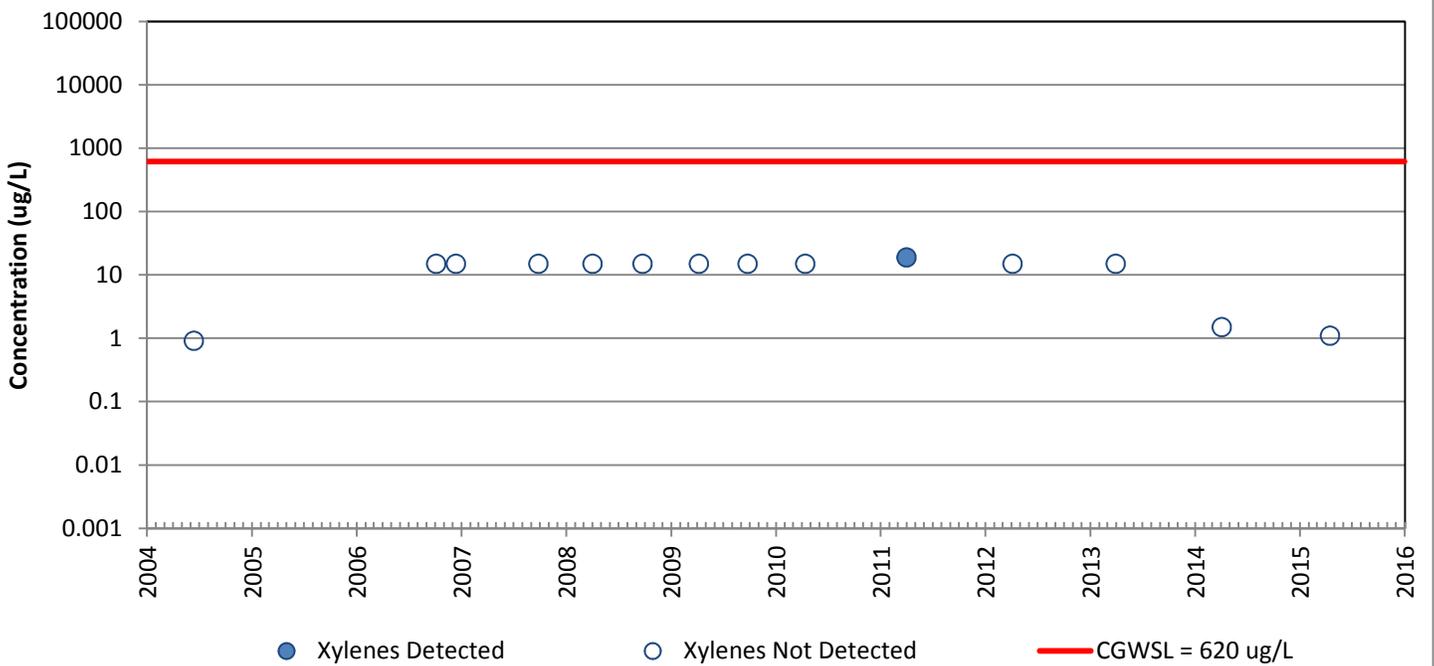


# MW-15

## Toluene

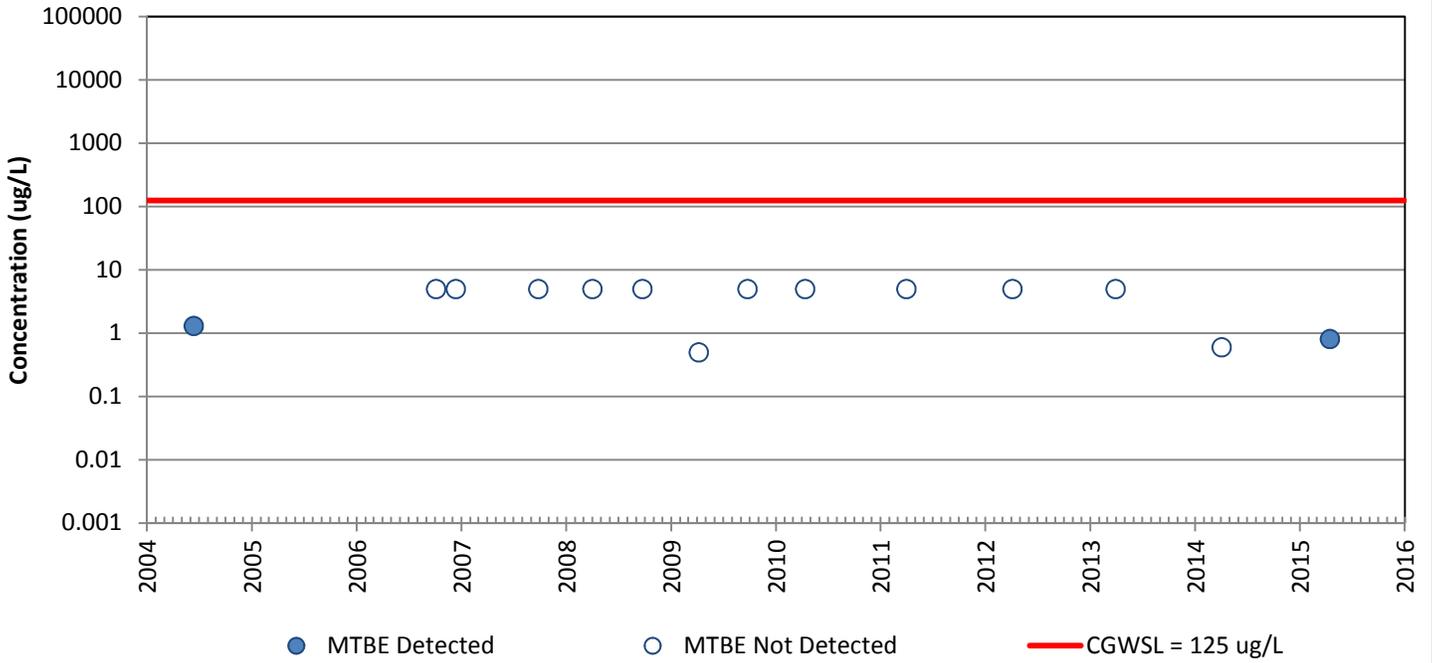


## Xylenes

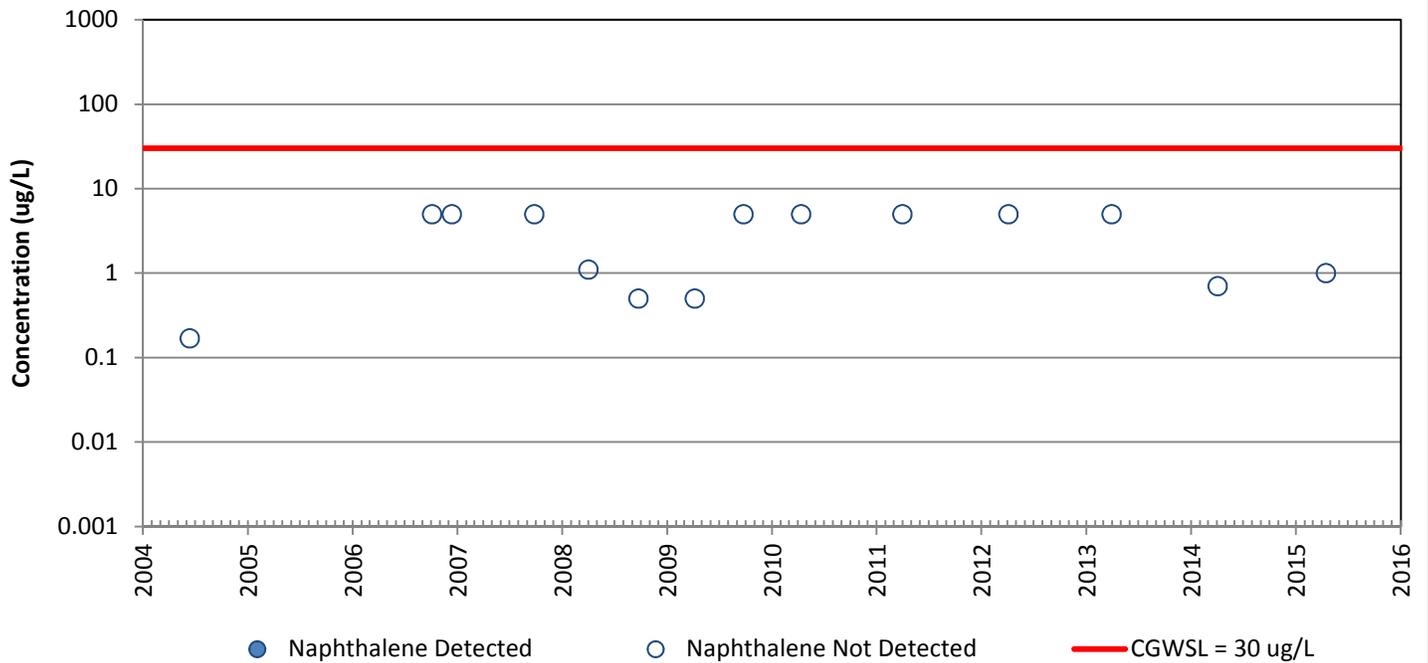


# MW-15

## MTBE

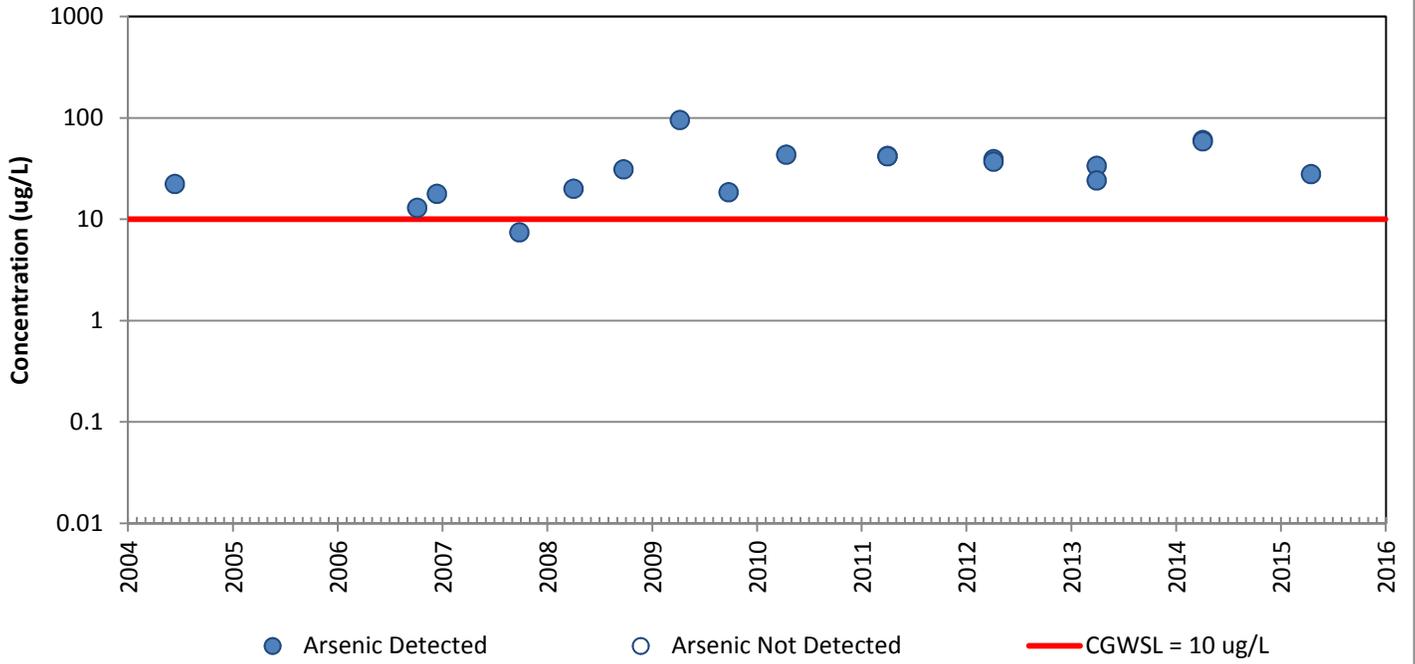


## Naphthalene

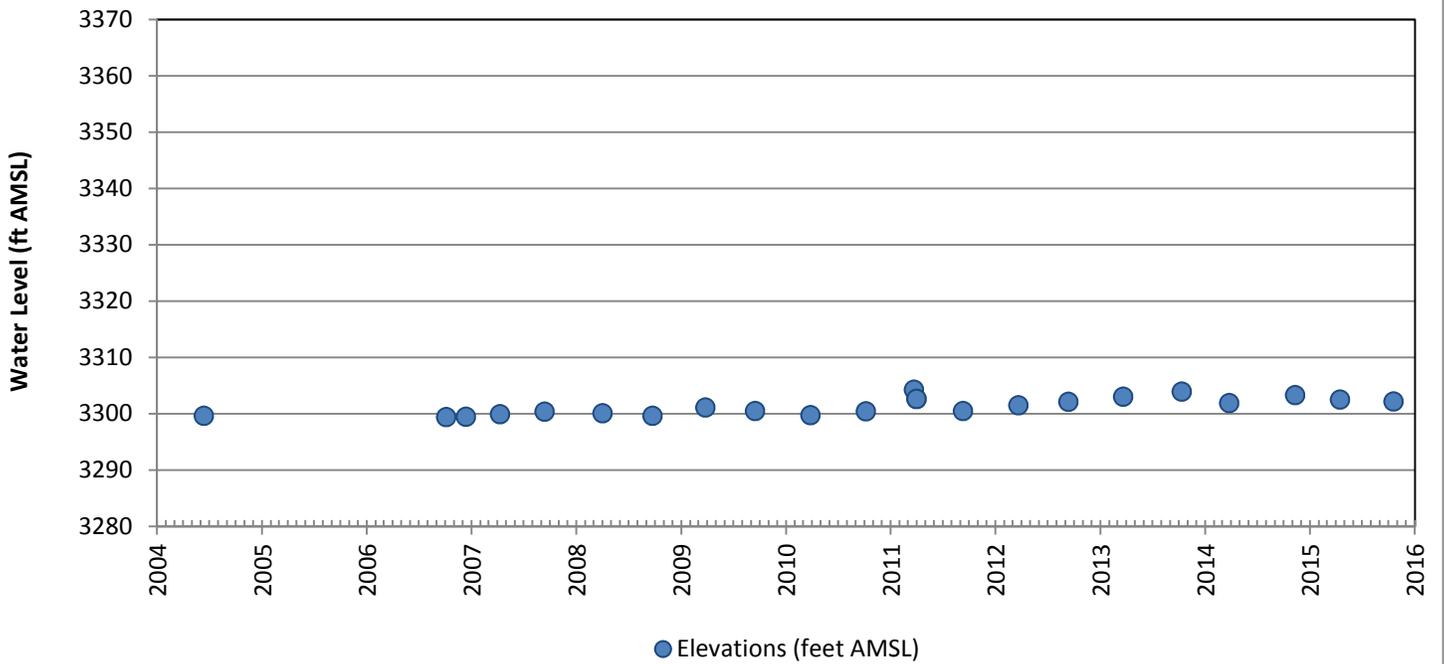


# MW-15

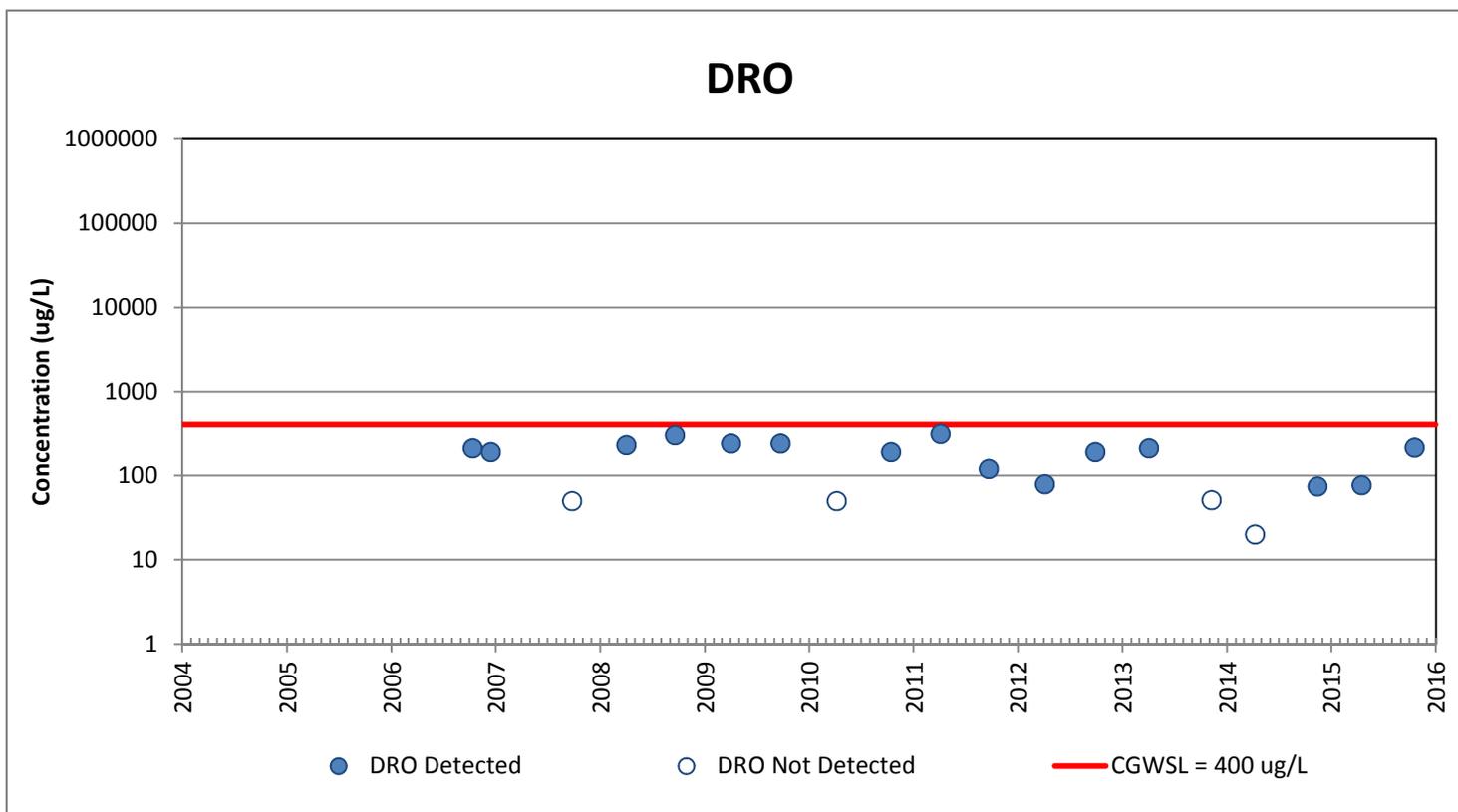
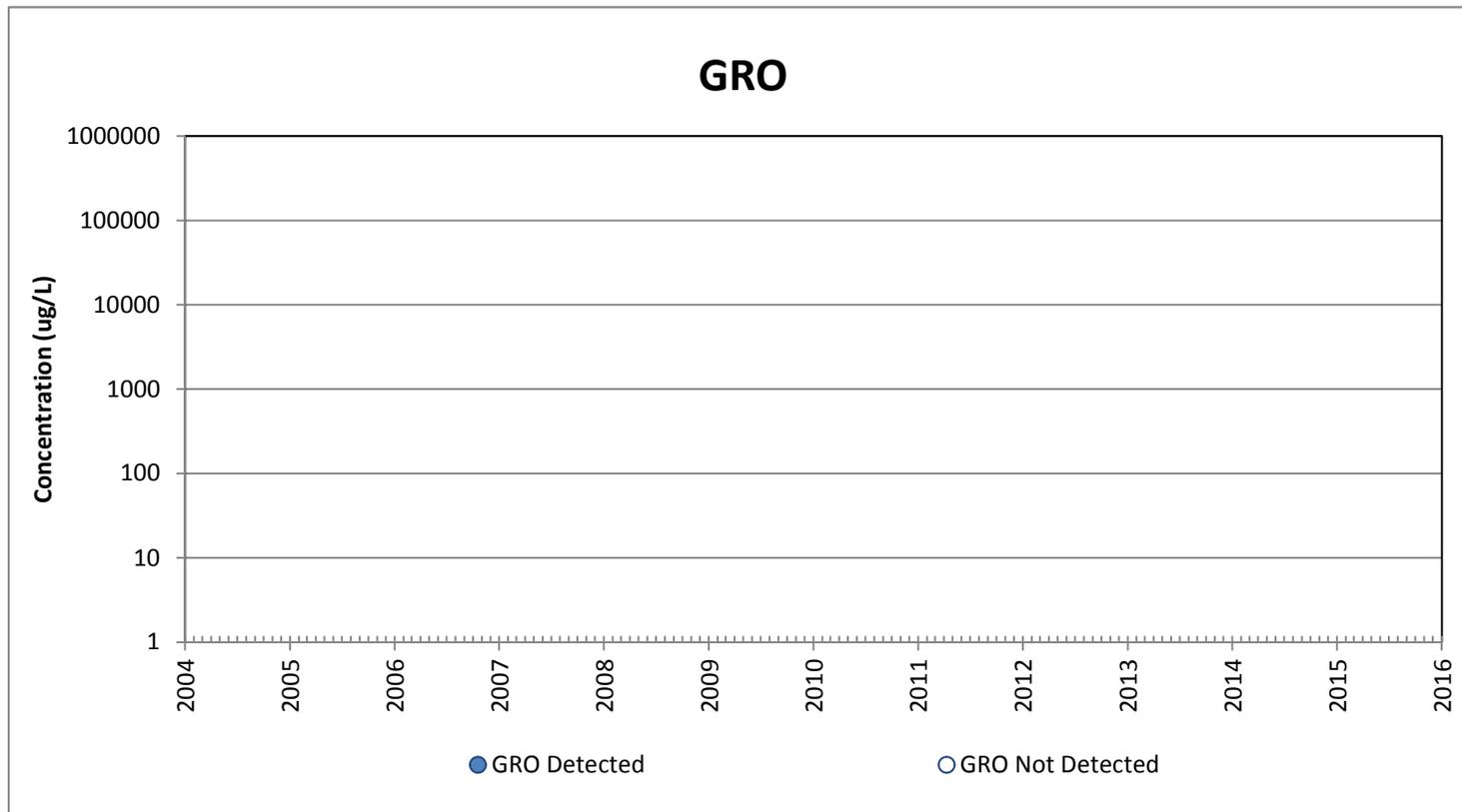
## Arsenic



## Water Elevations

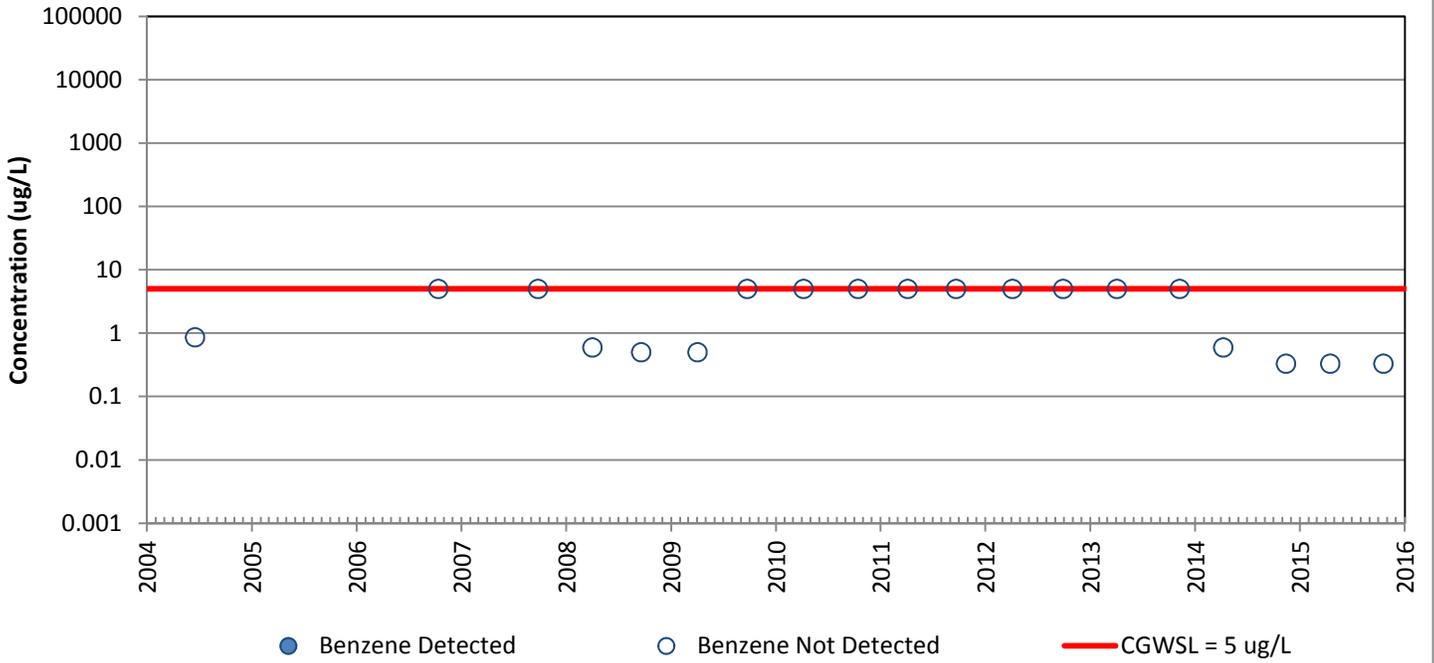


# MW-18A

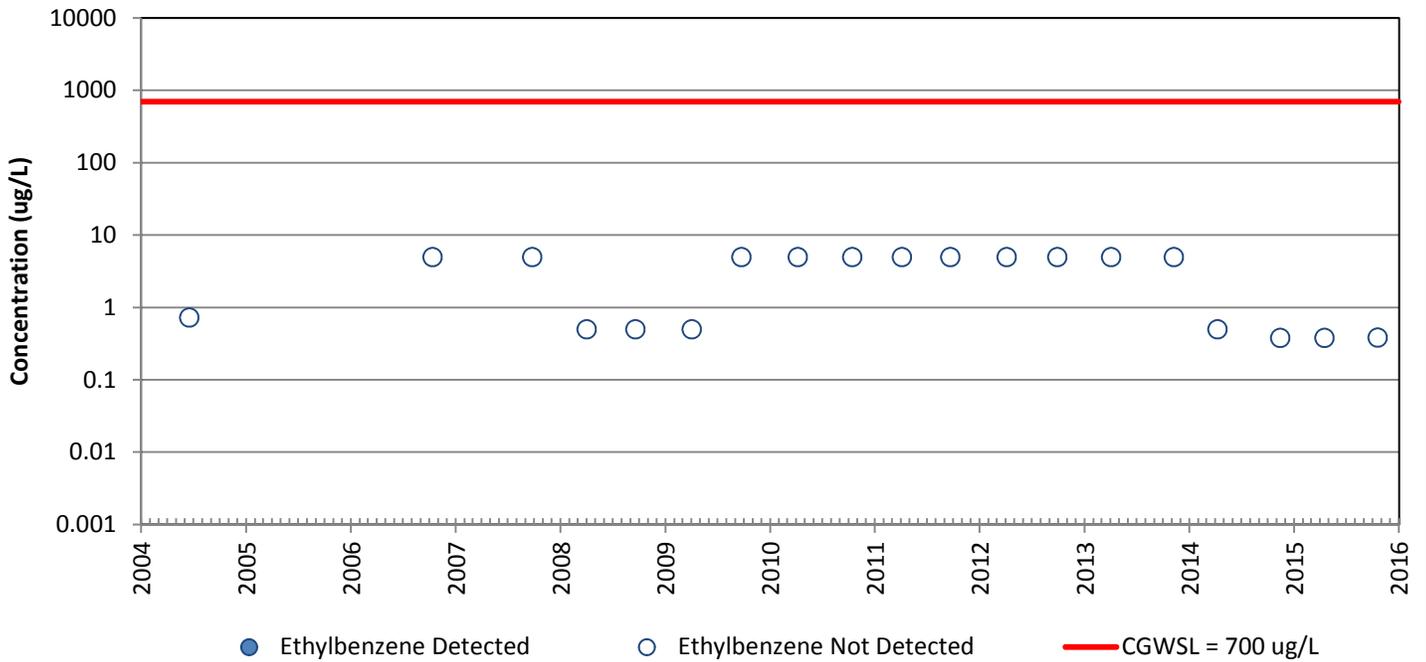


# MW-18A

## Benzene

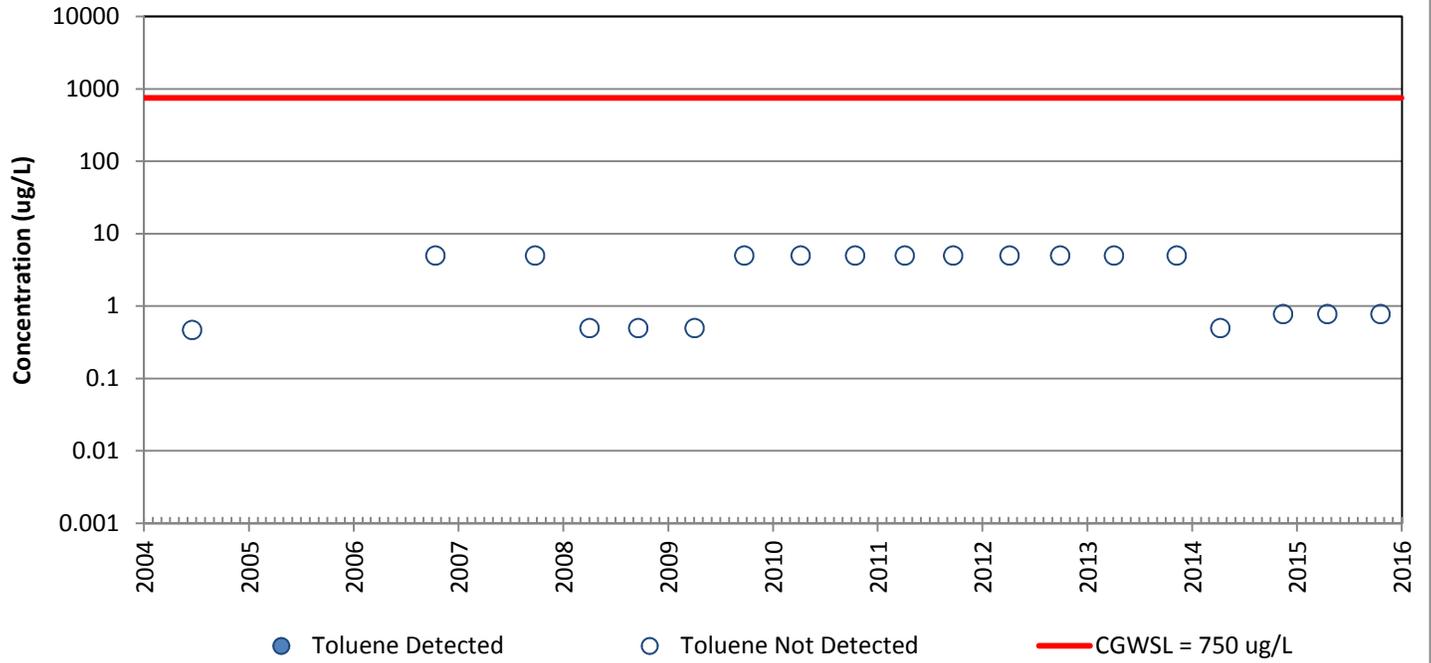


## Ethylbenzene

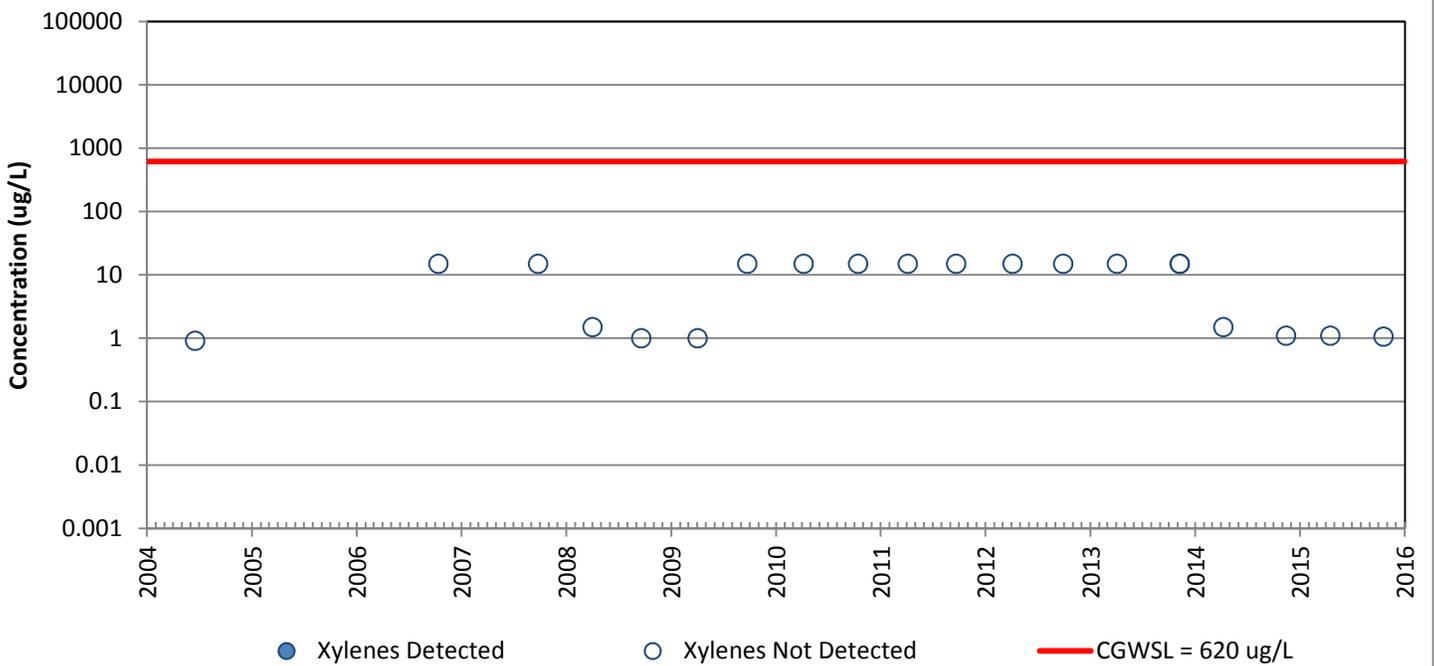


# MW-18A

## Toluene

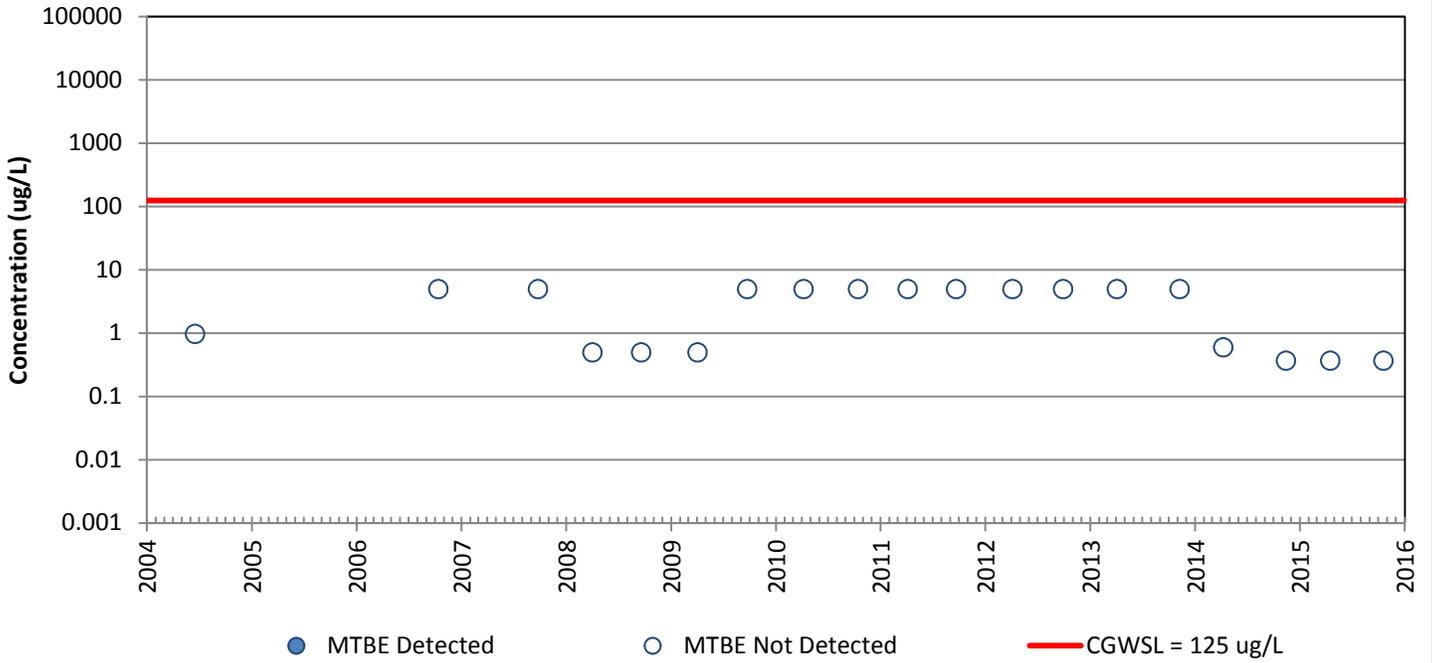


## Xylenes

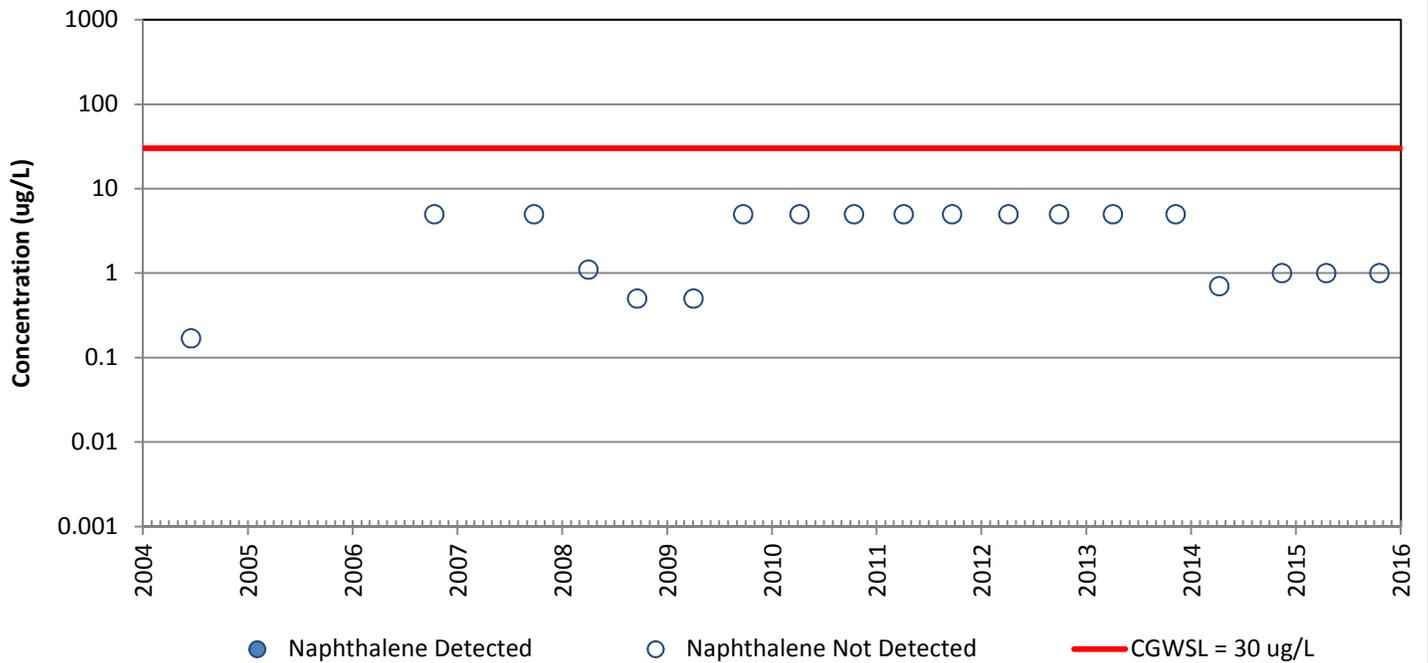


# MW-18A

## MTBE

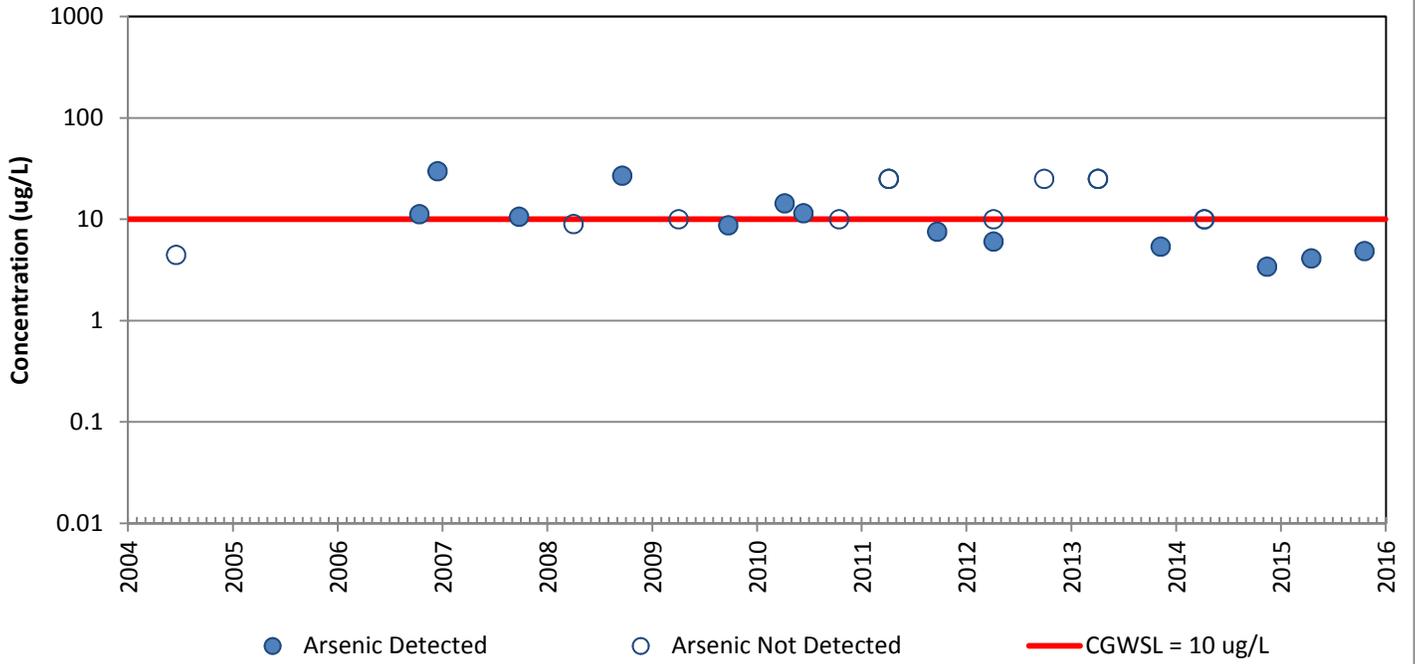


## Naphthalene

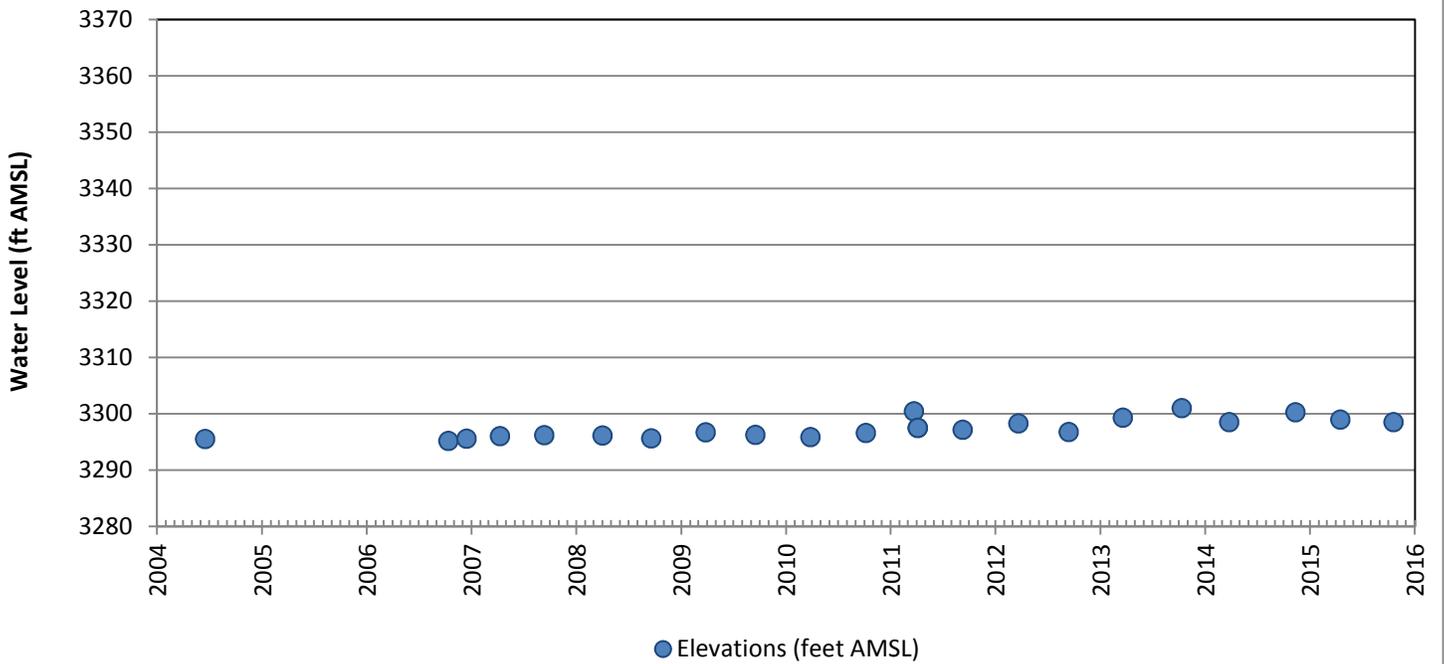


# MW-18A

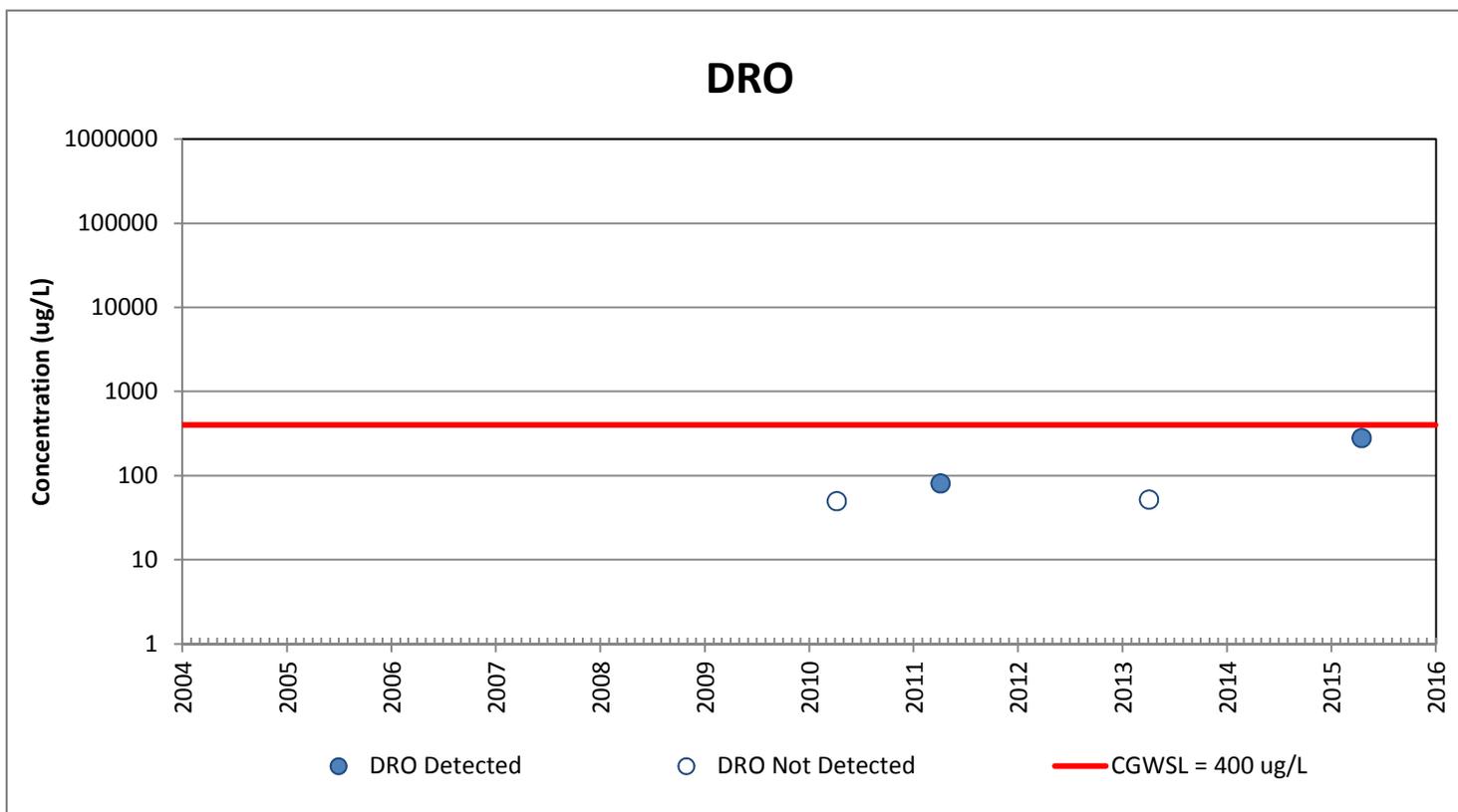
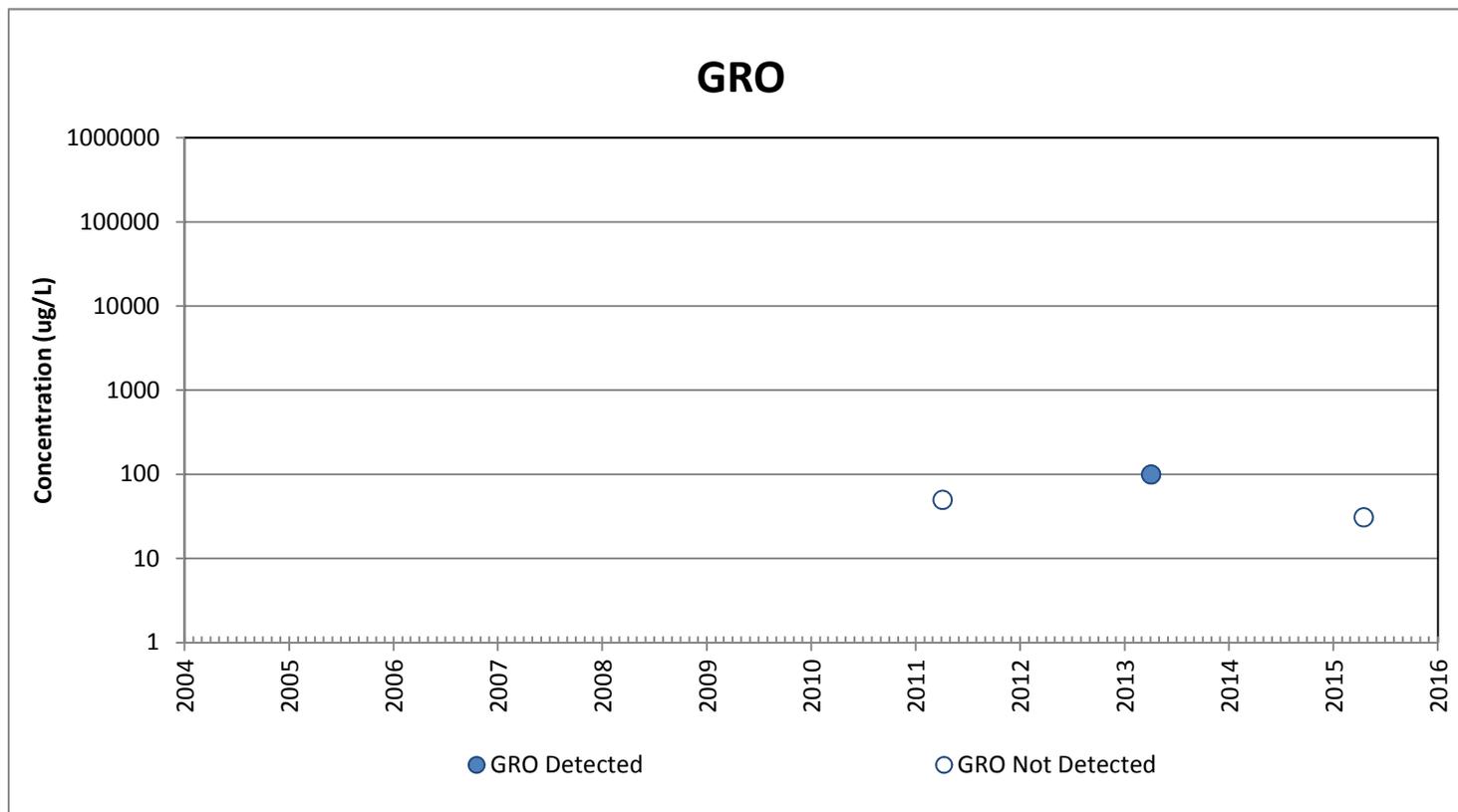
## Arsenic



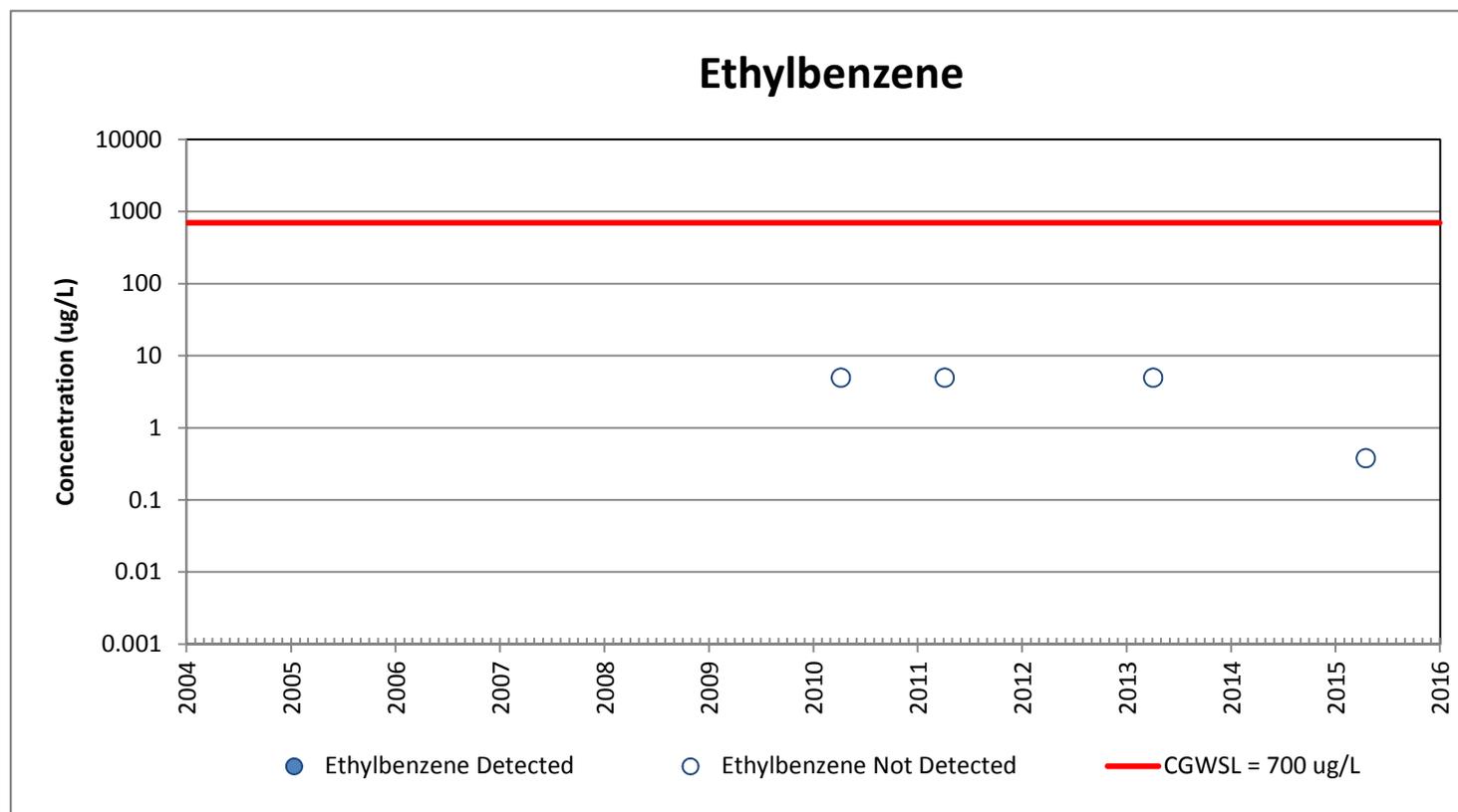
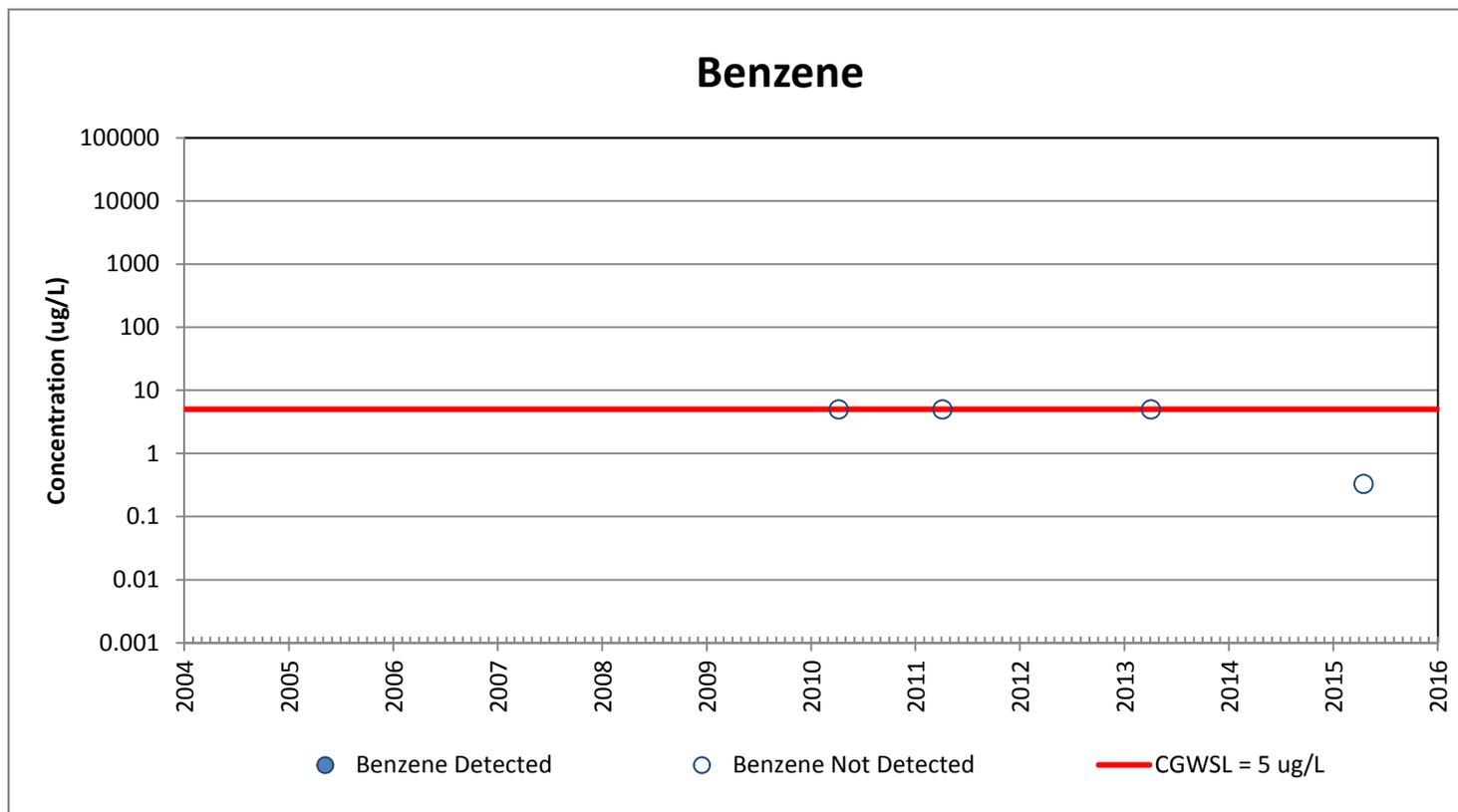
## Water Elevations



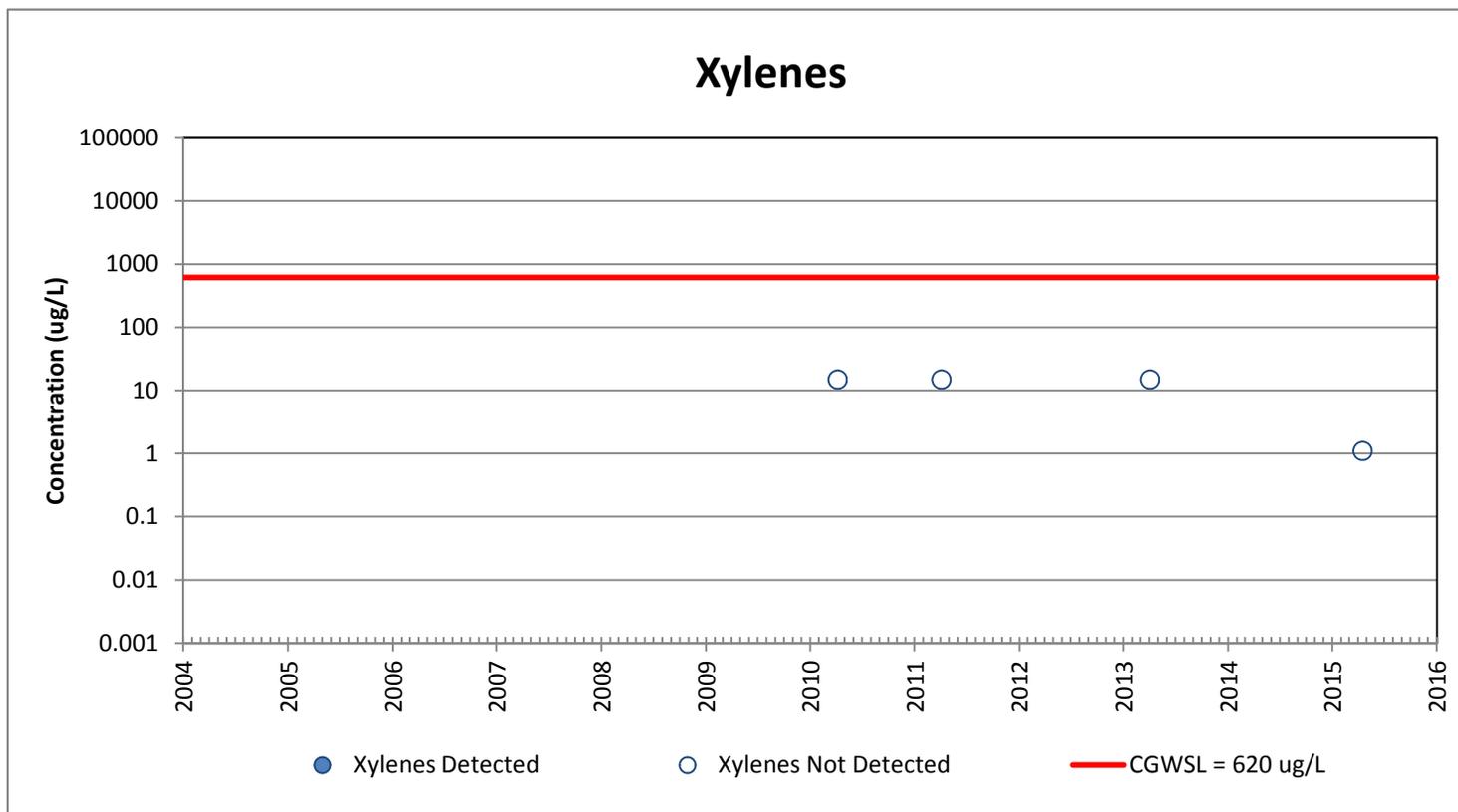
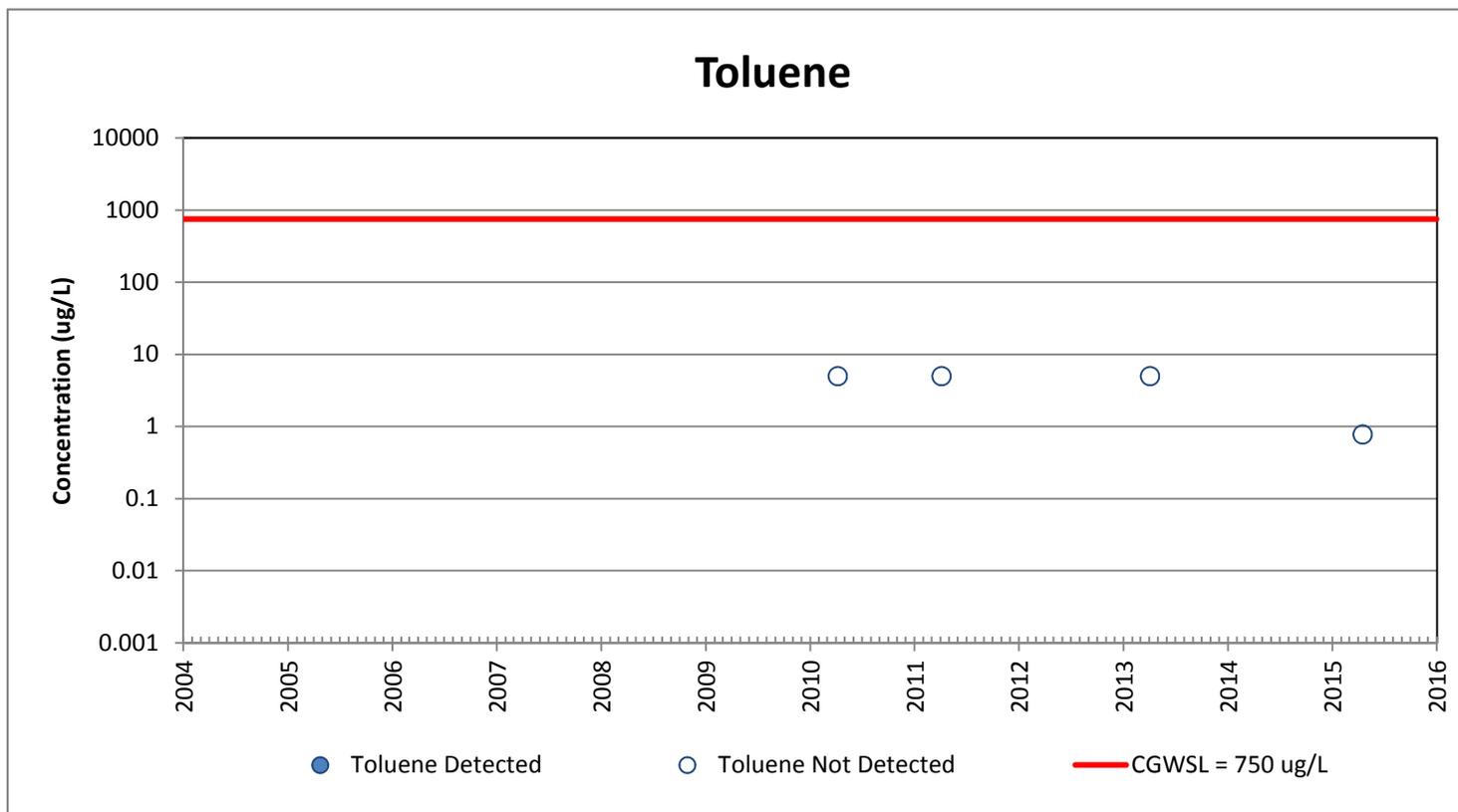
# MW-18B



# MW-18B

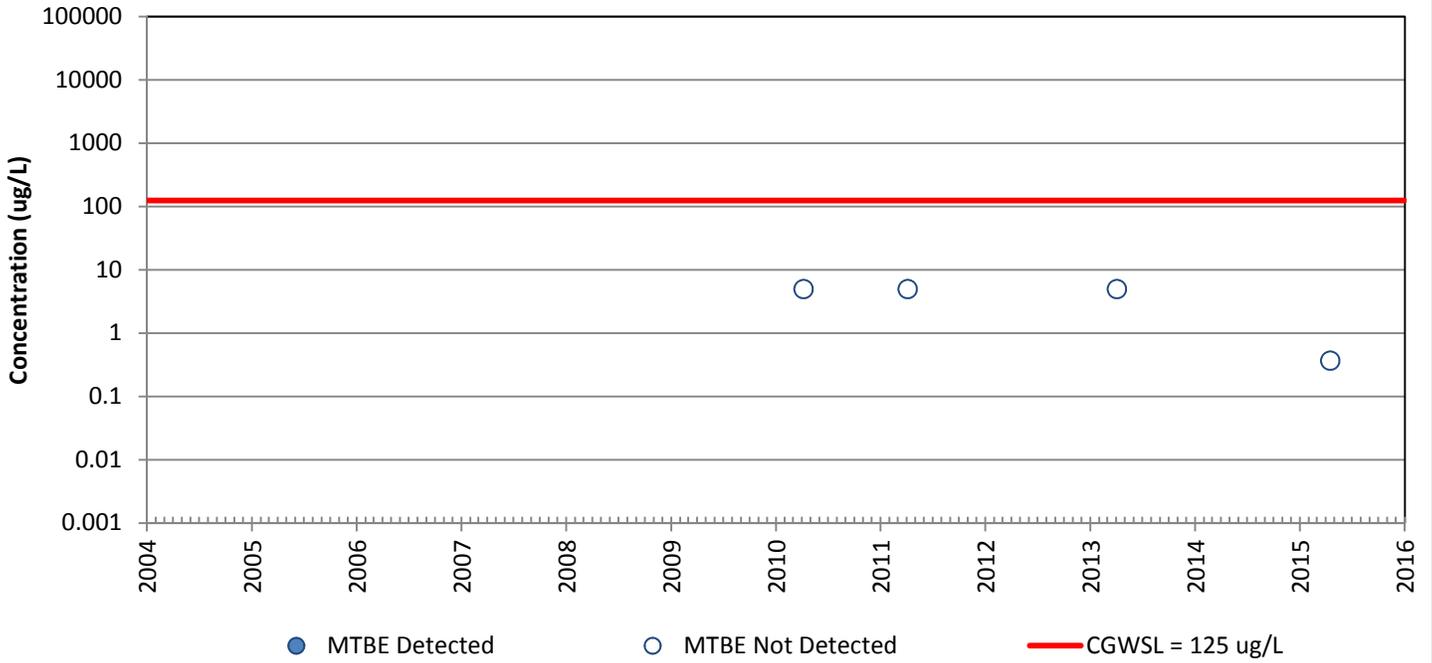


# MW-18B

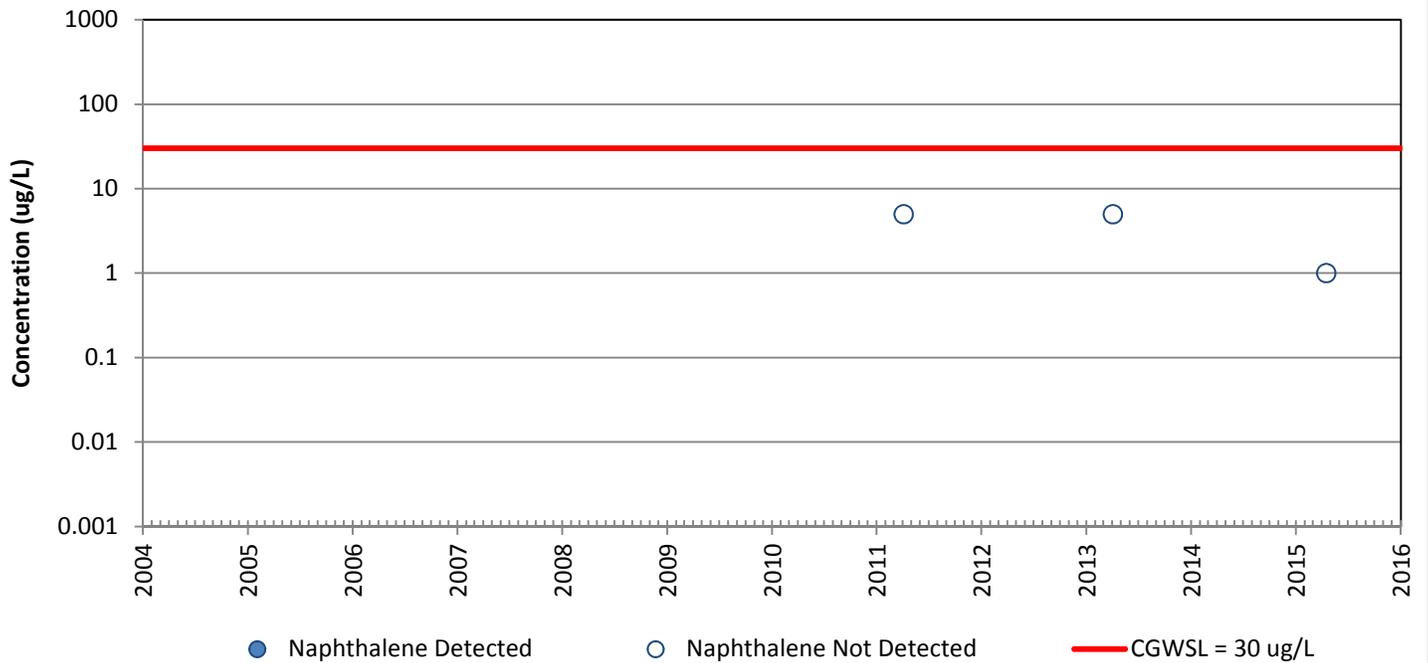


# MW-18B

## MTBE

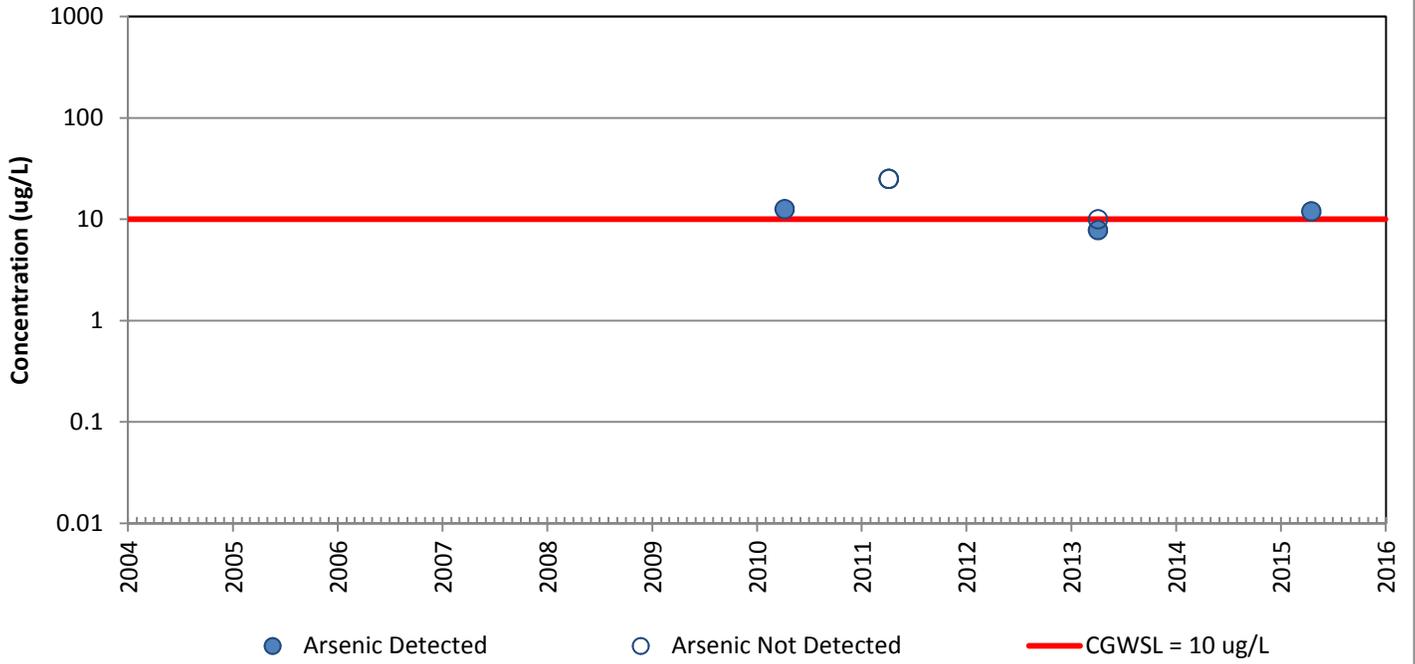


## Naphthalene

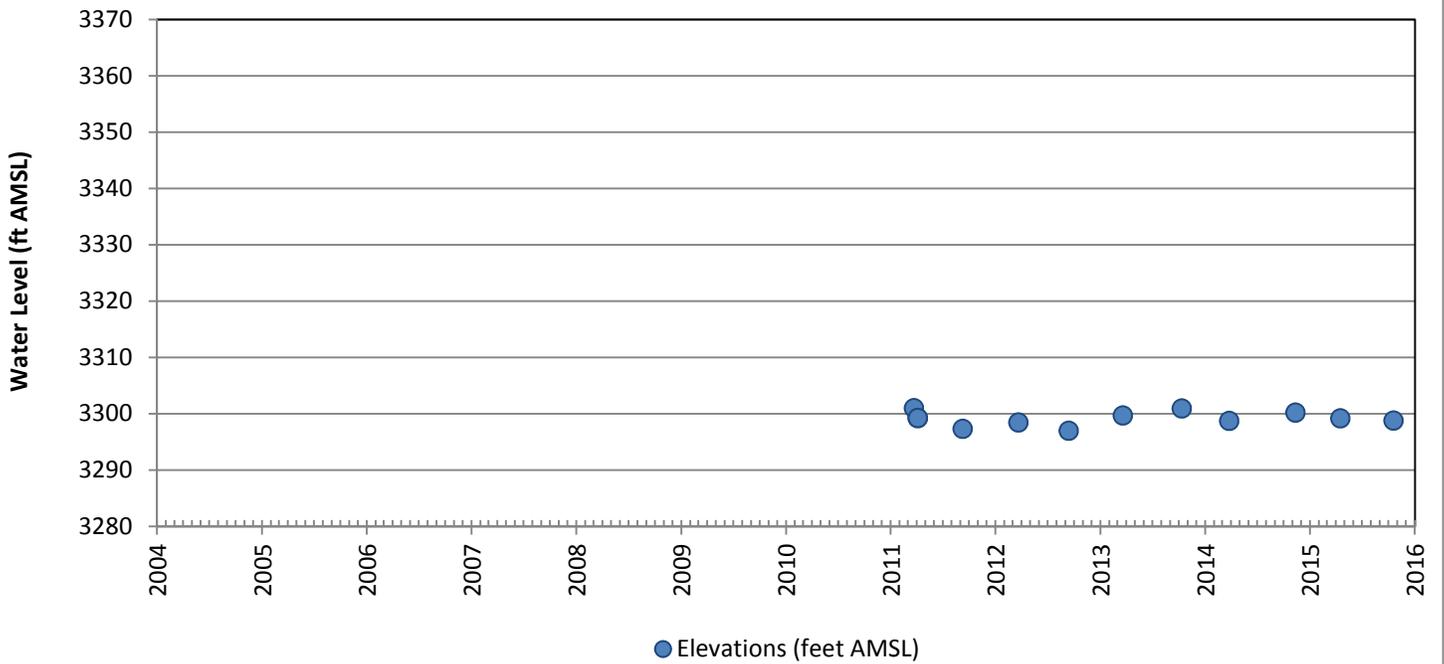


# MW-18B

## Arsenic

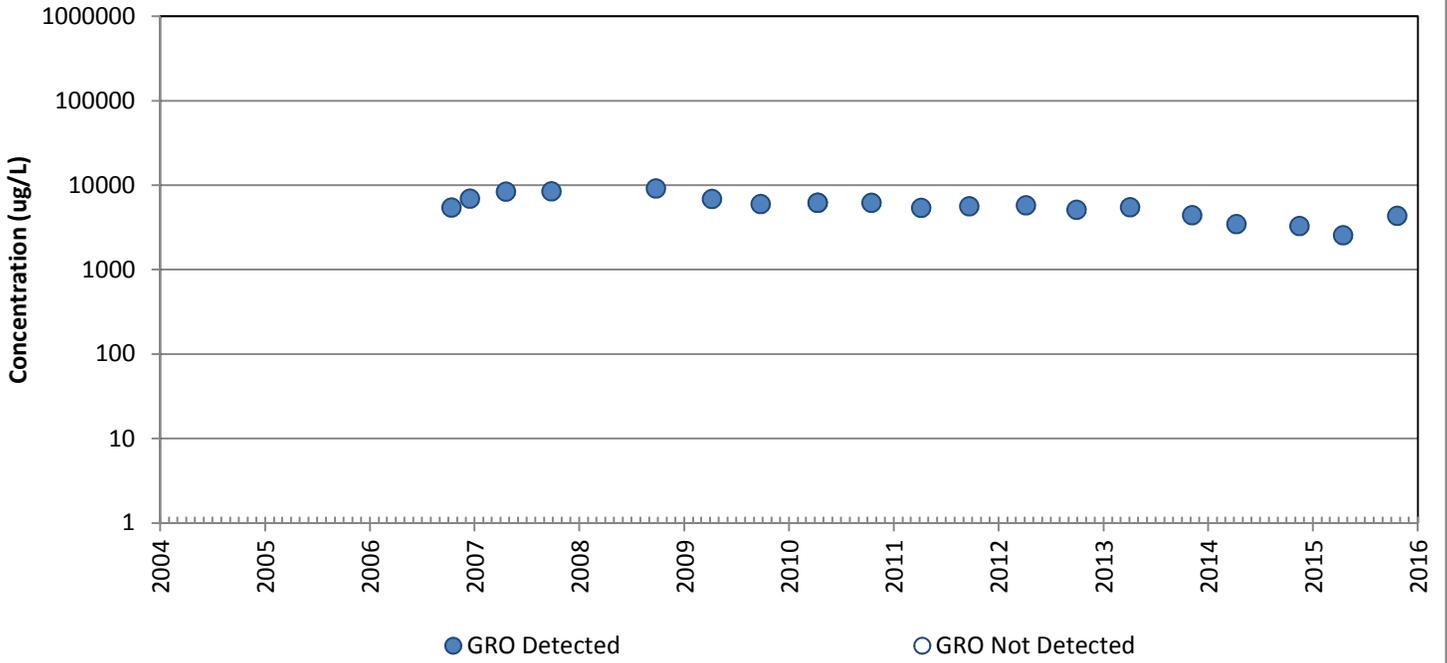


## Water Elevations

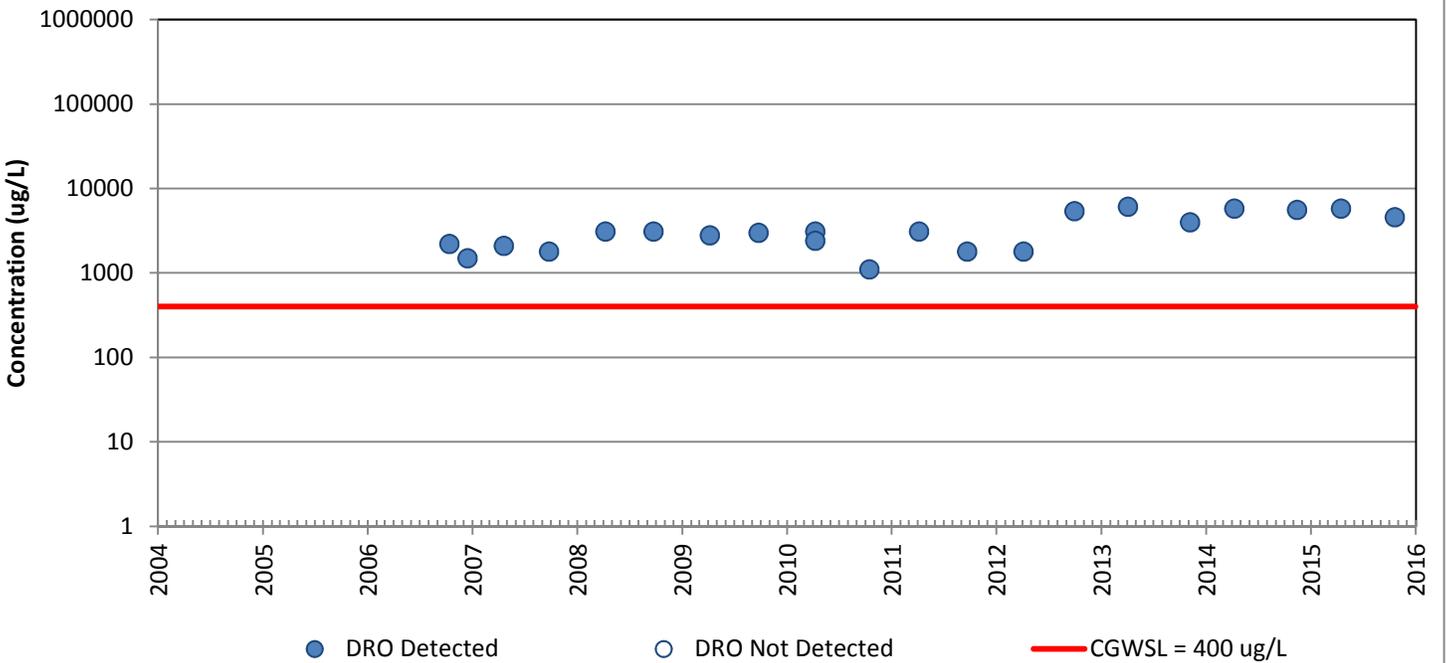


# MW-22A

## GRO

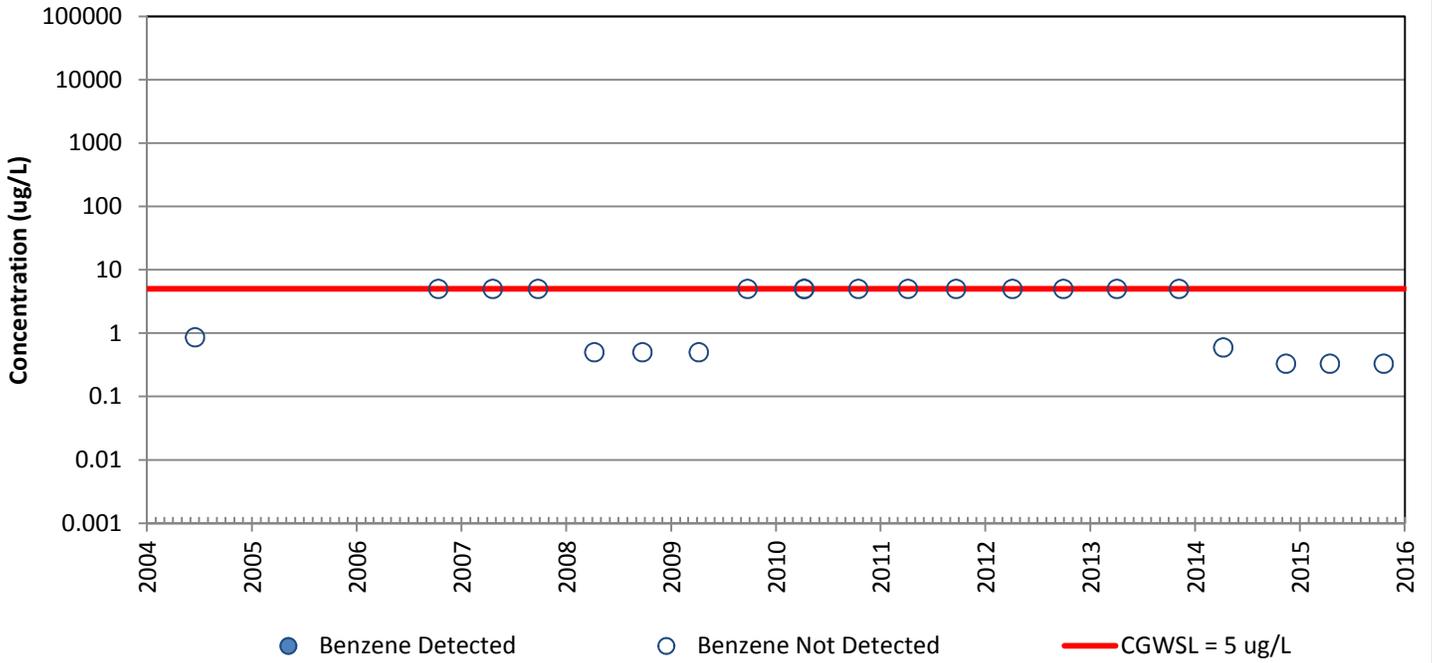


## DRO

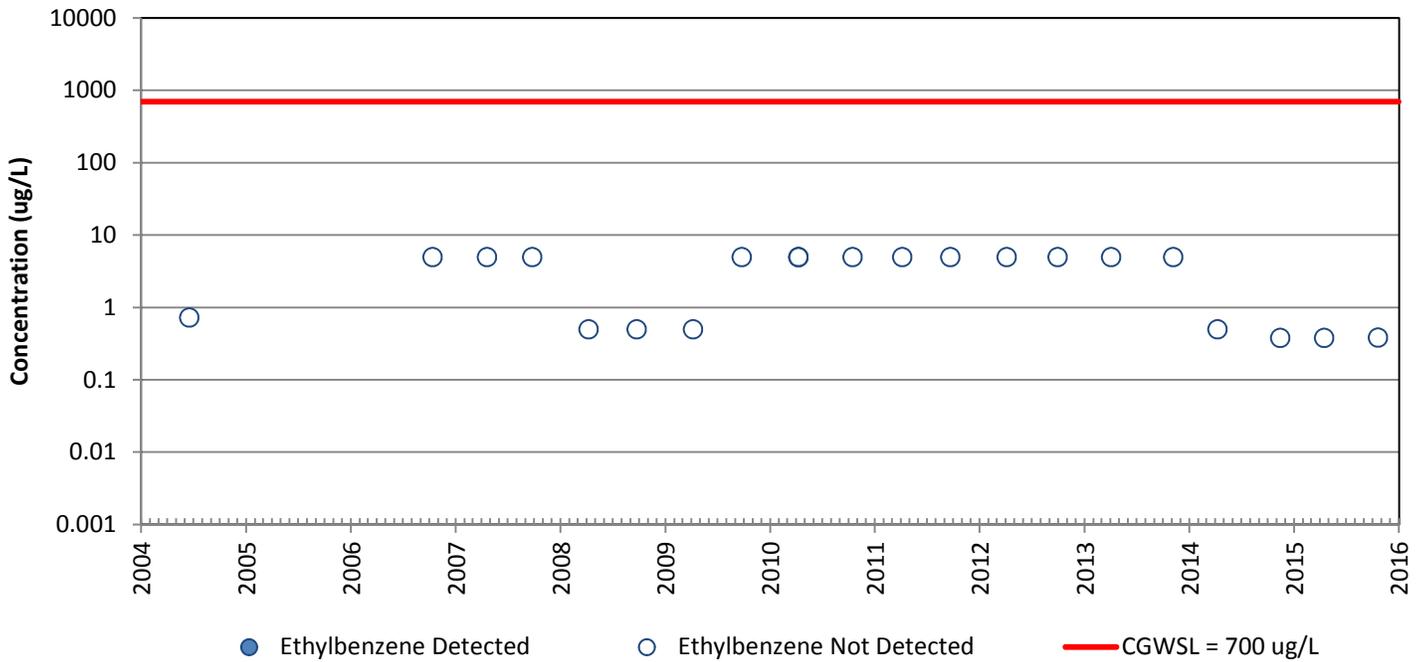


# MW-22A

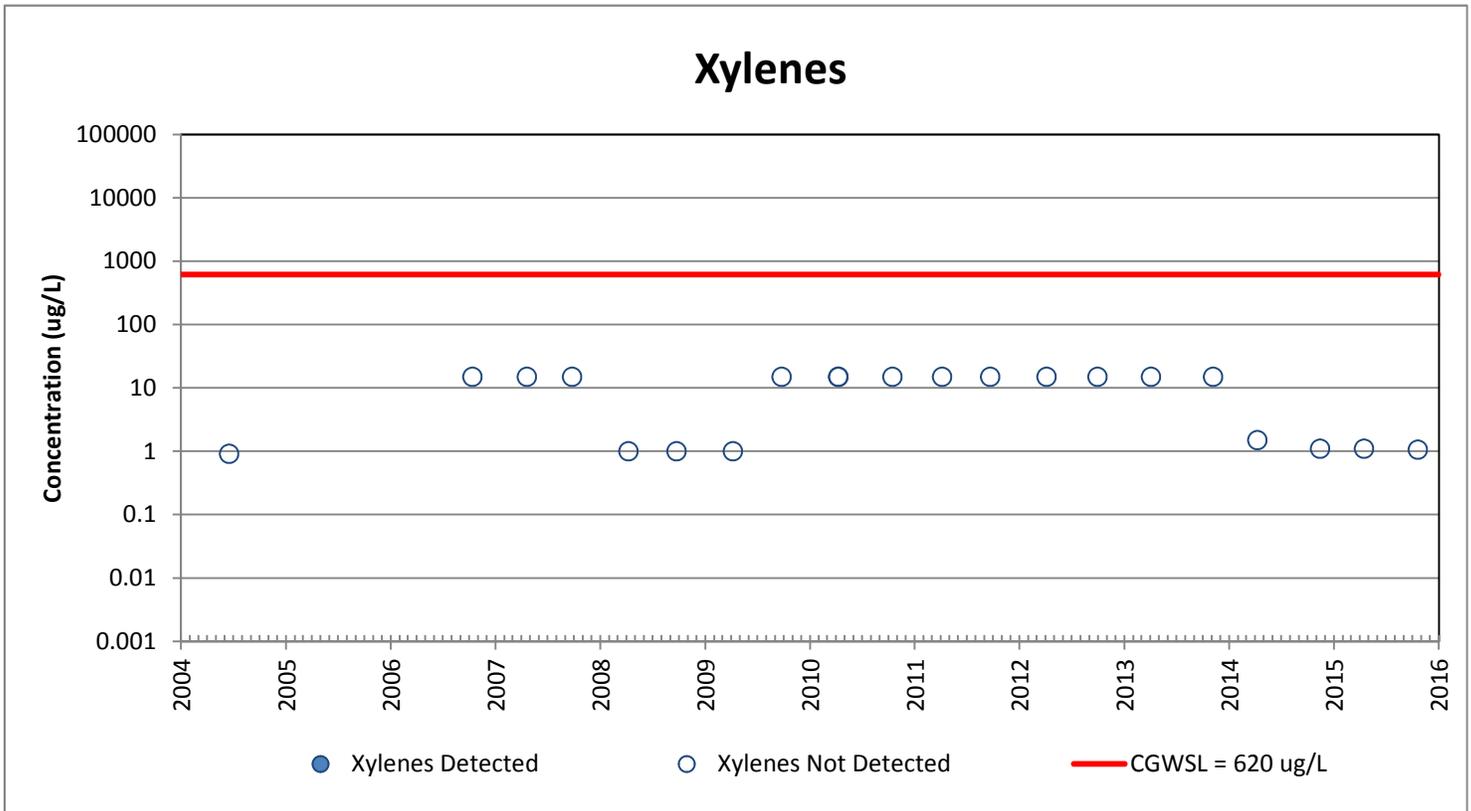
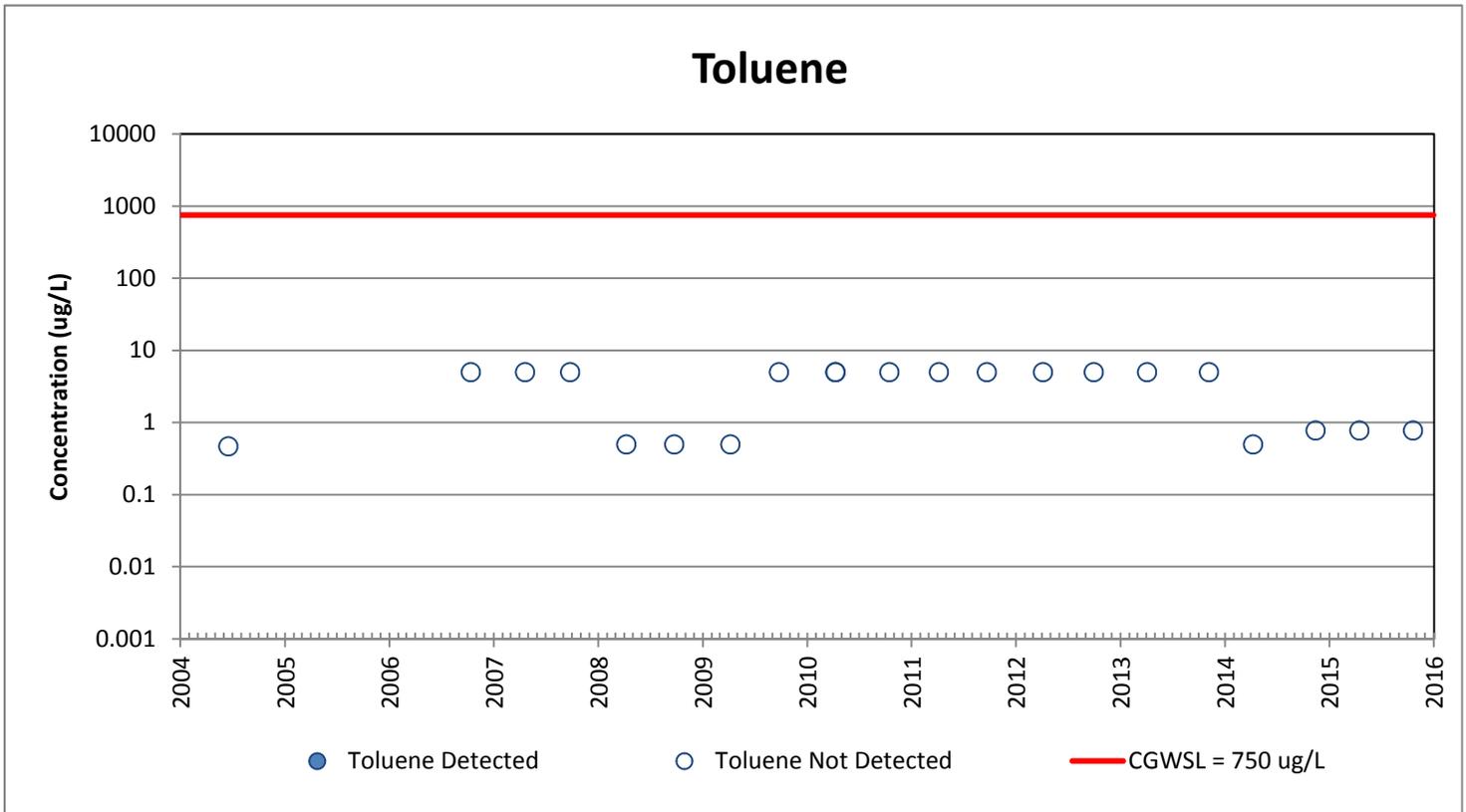
## Benzene



## Ethylbenzene

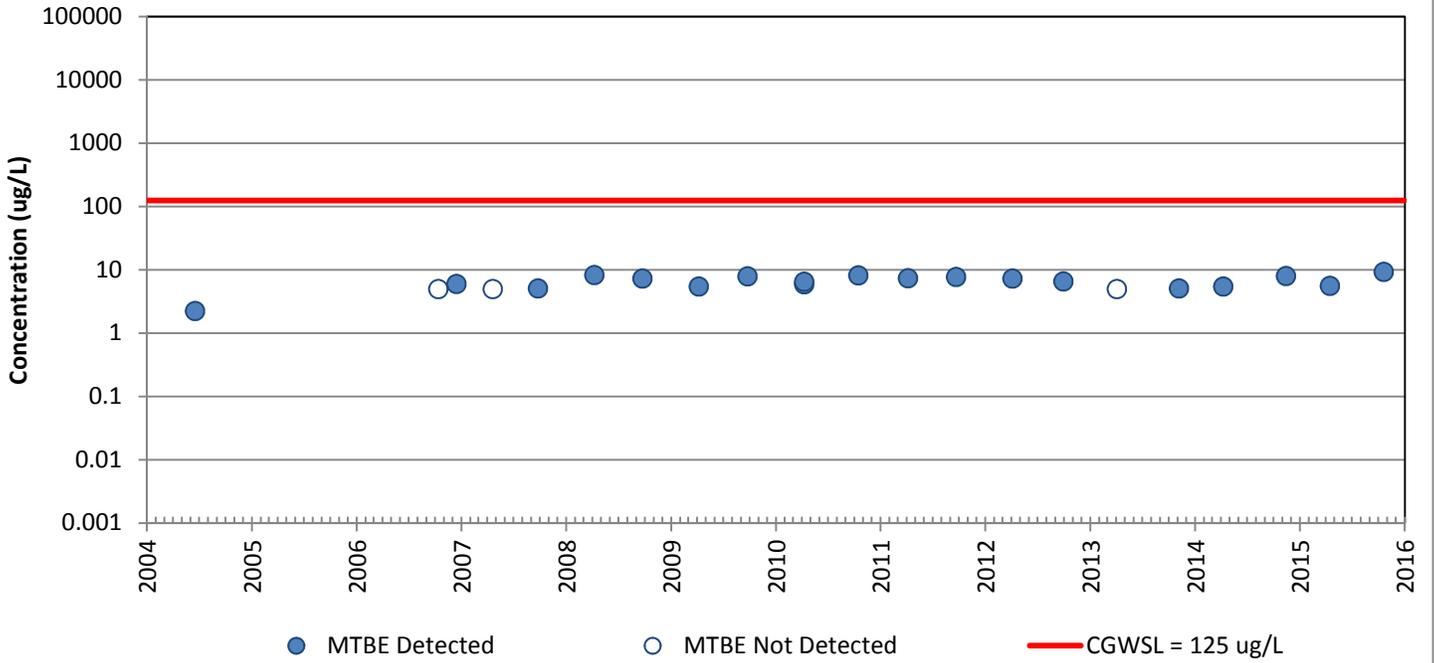


# MW-22A

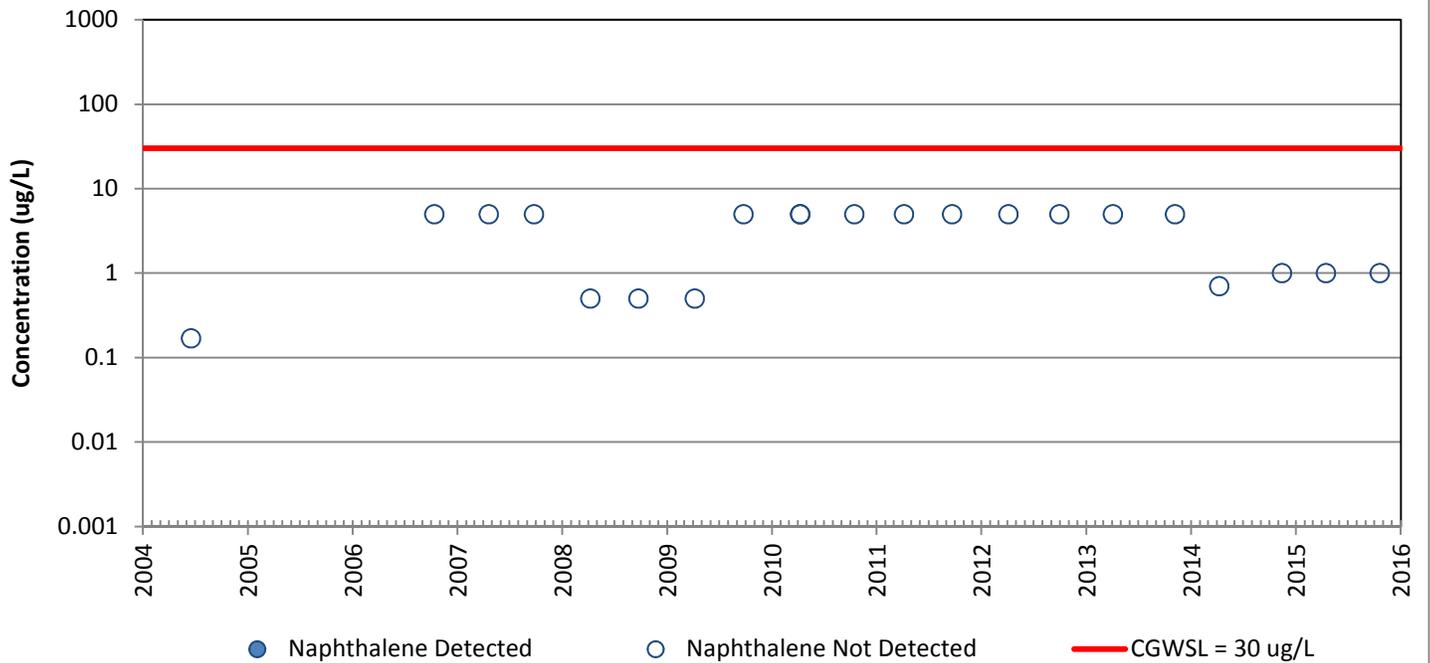


# MW-22A

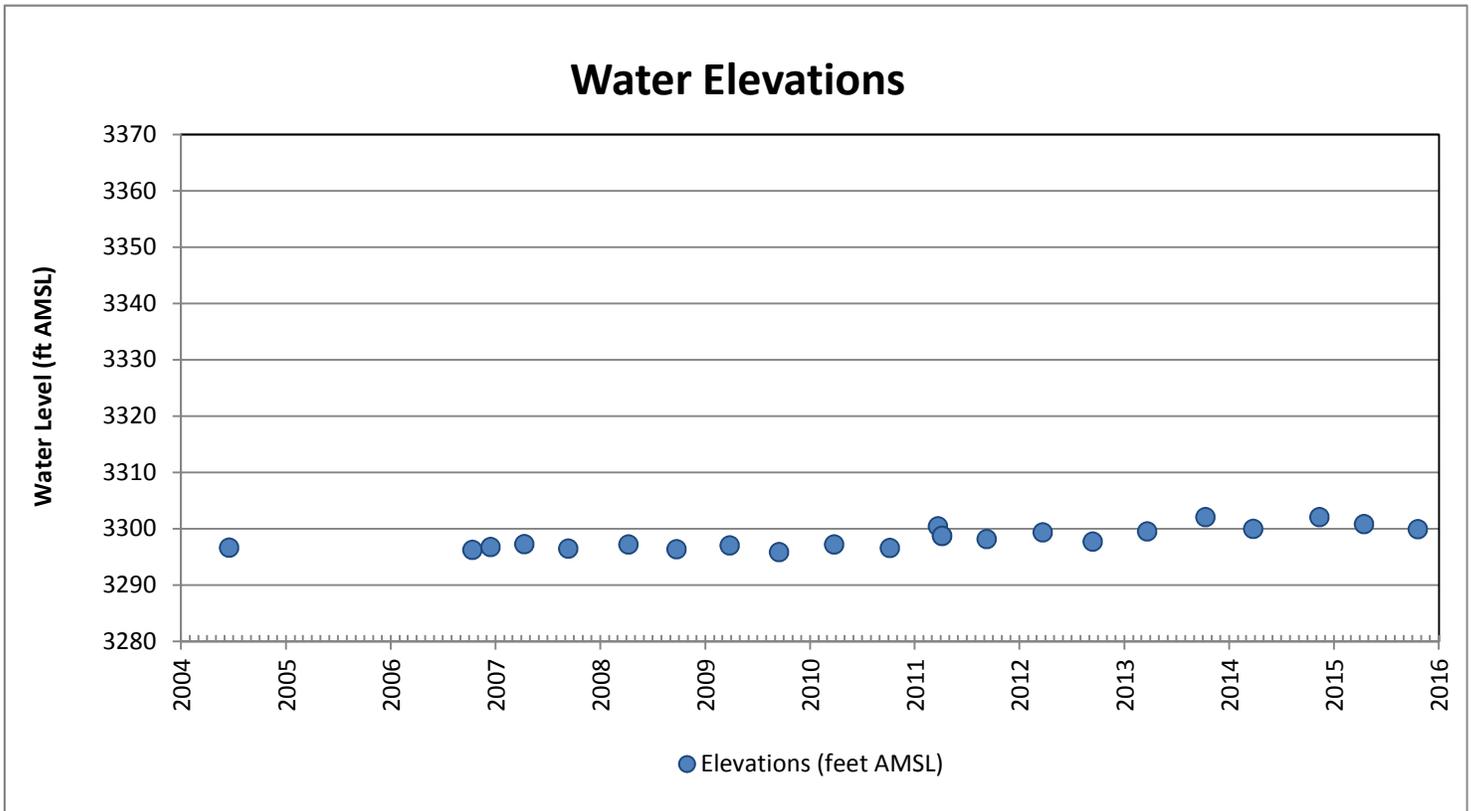
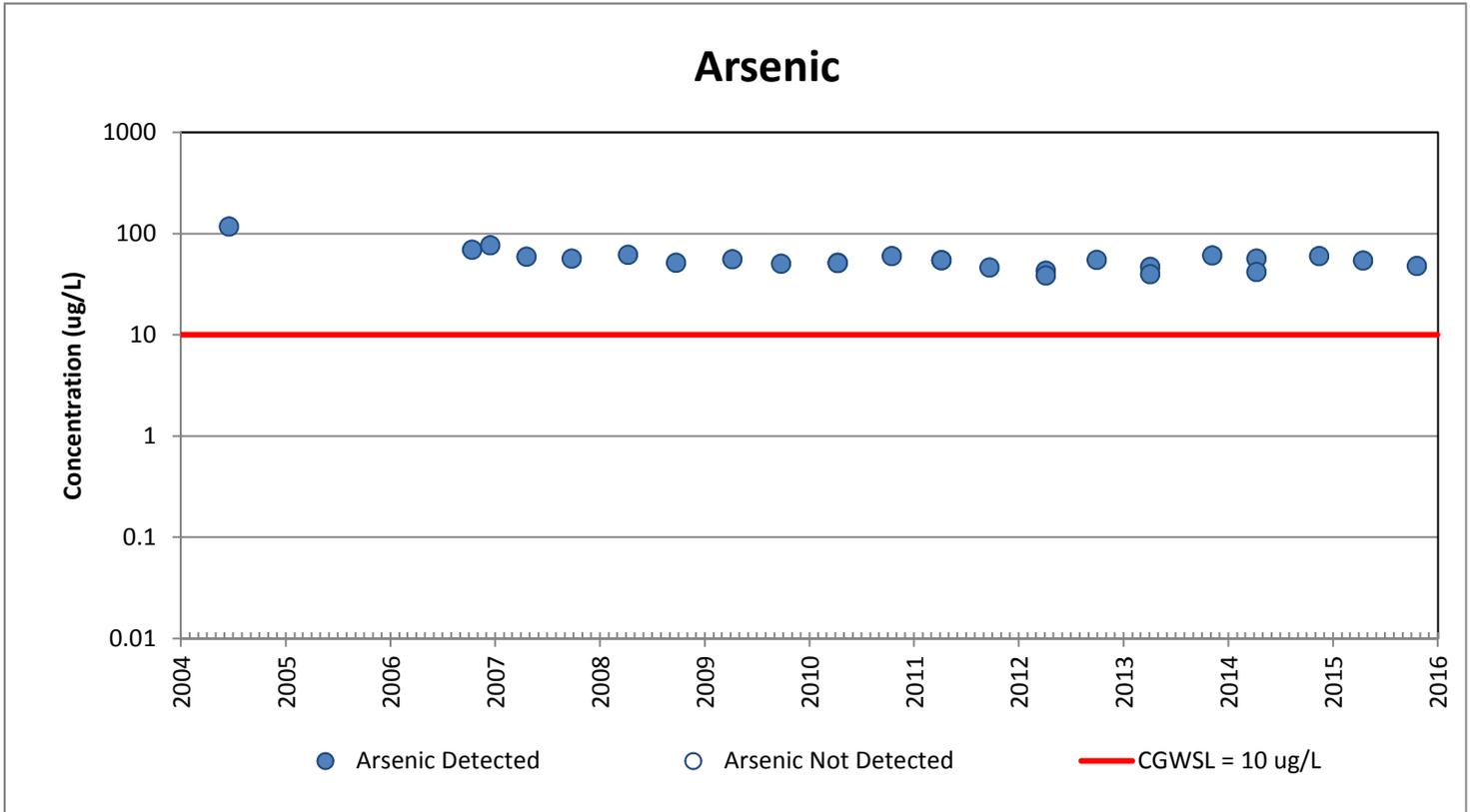
## MTBE



## Naphthalene

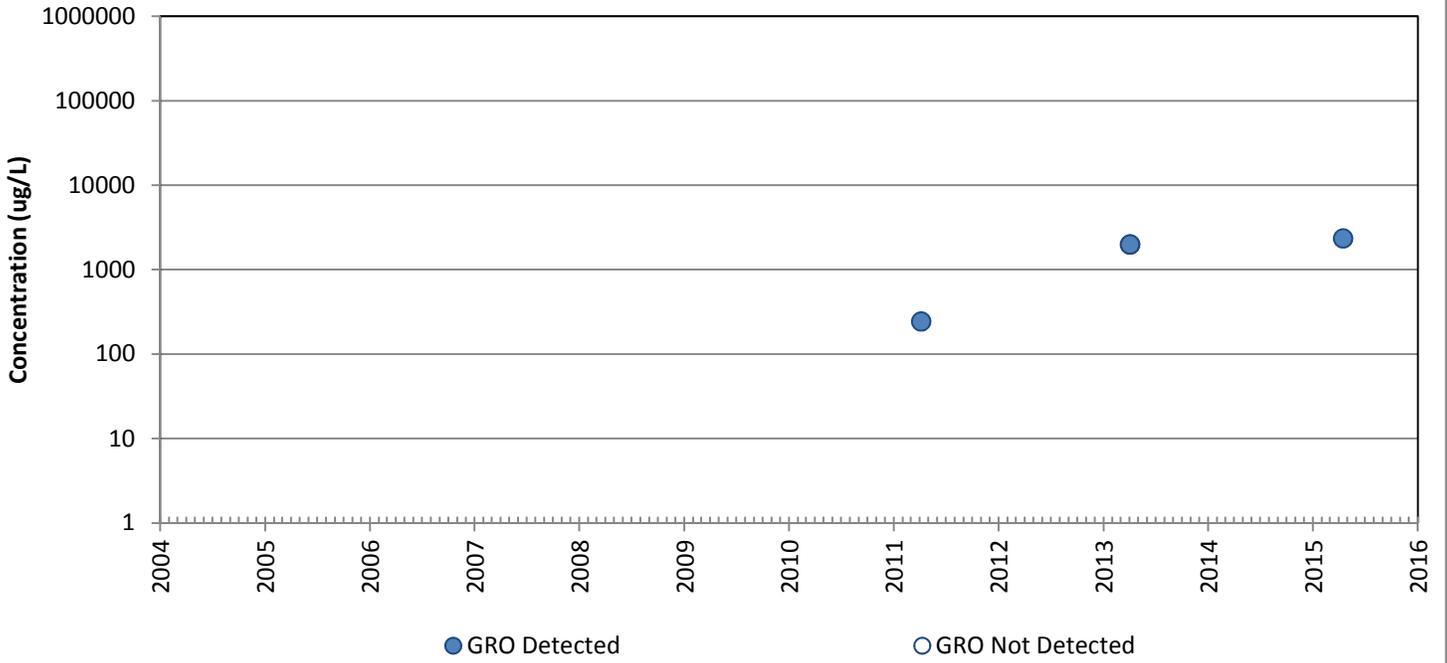


# MW-22A

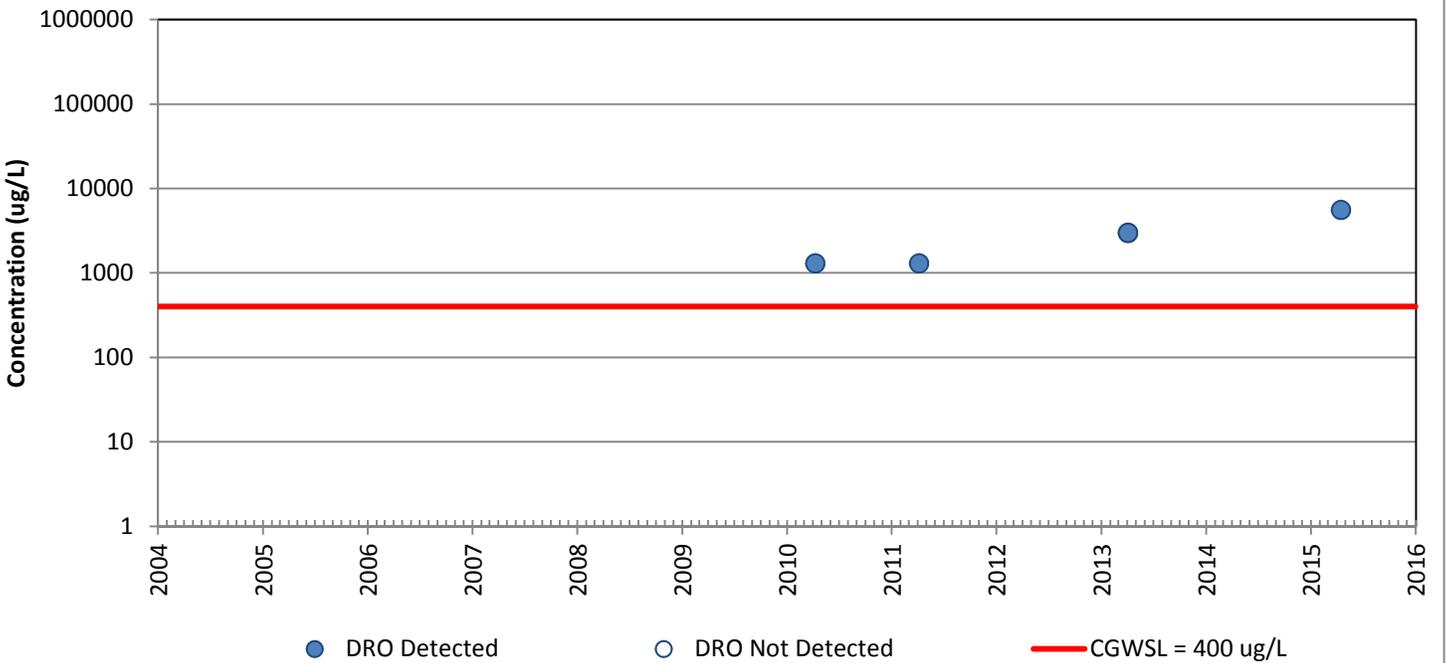


# MW-22B

## GRO

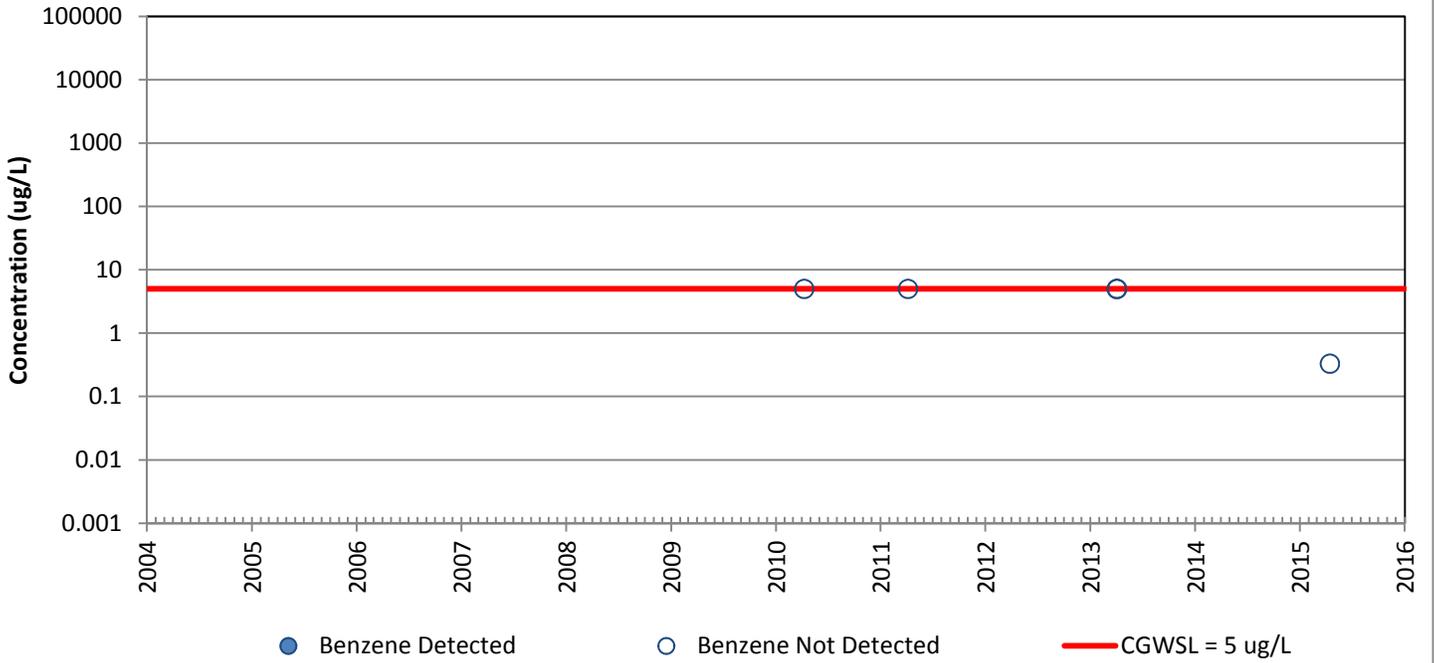


## DRO

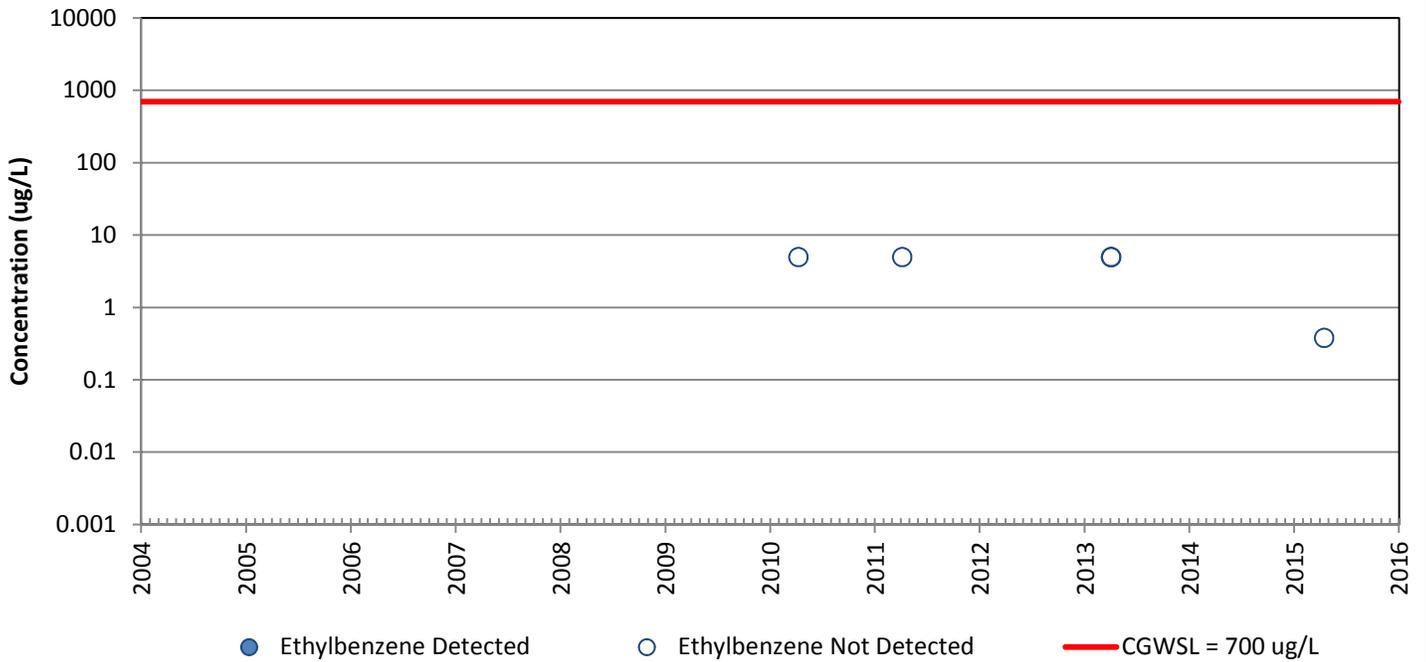


# MW-22B

## Benzene

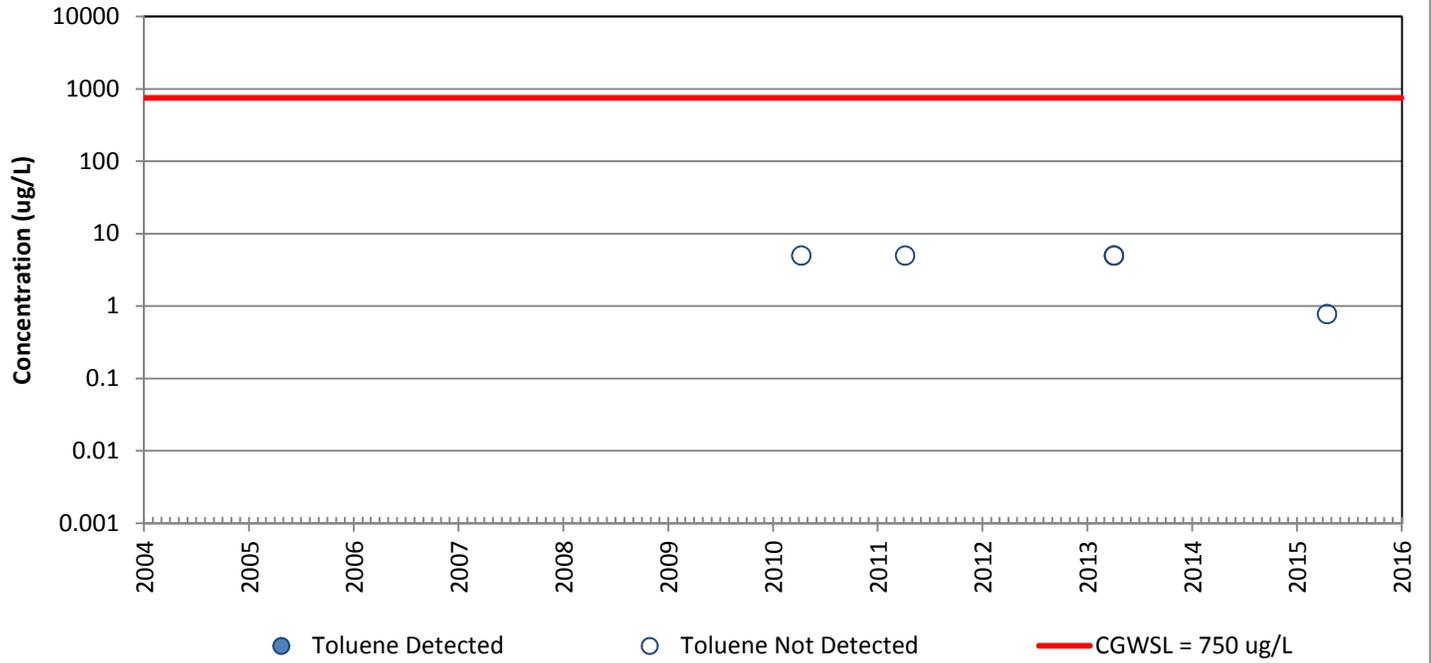


## Ethylbenzene

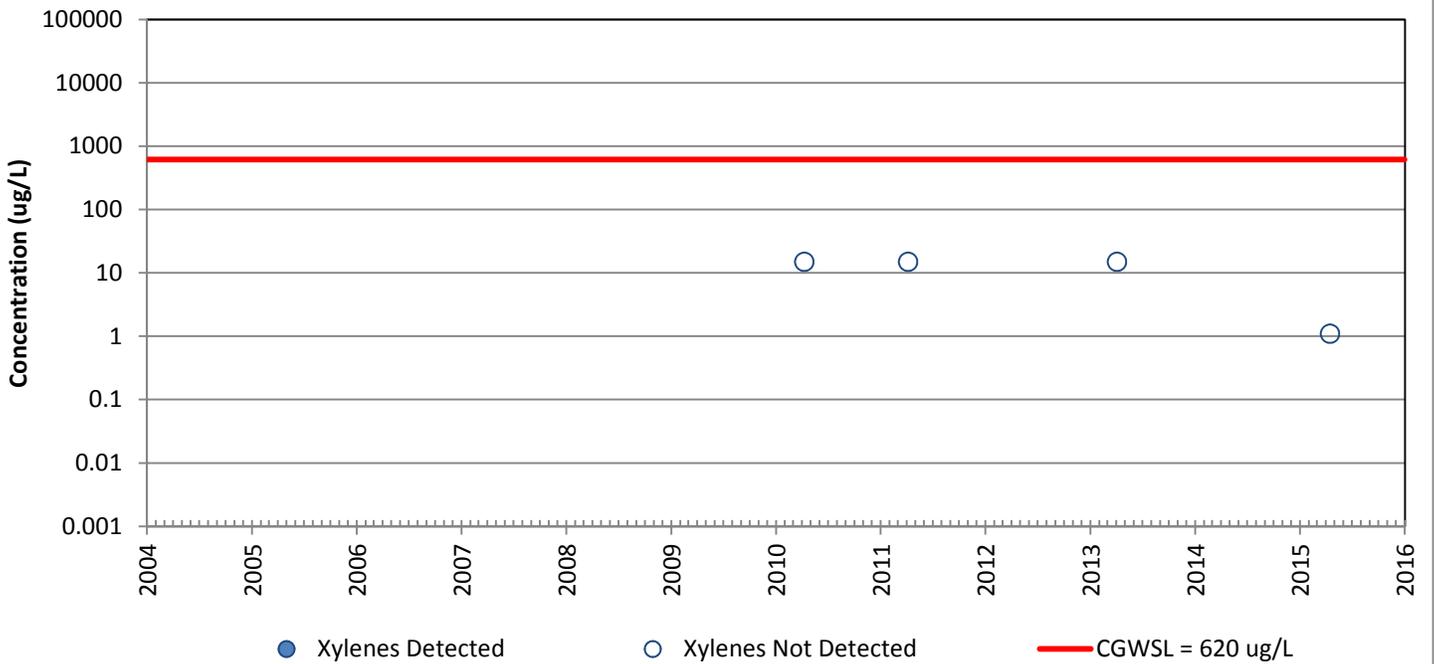


# MW-22B

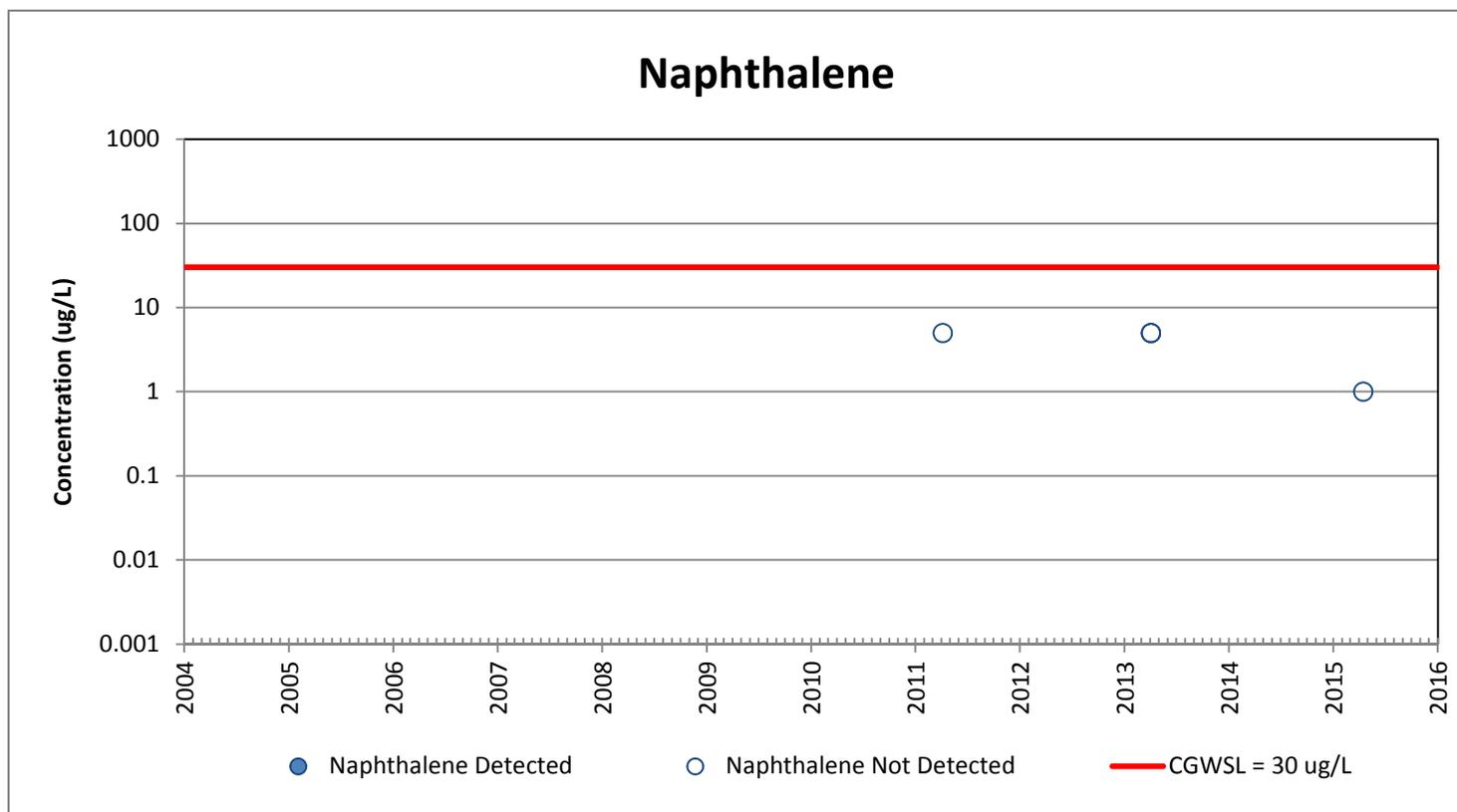
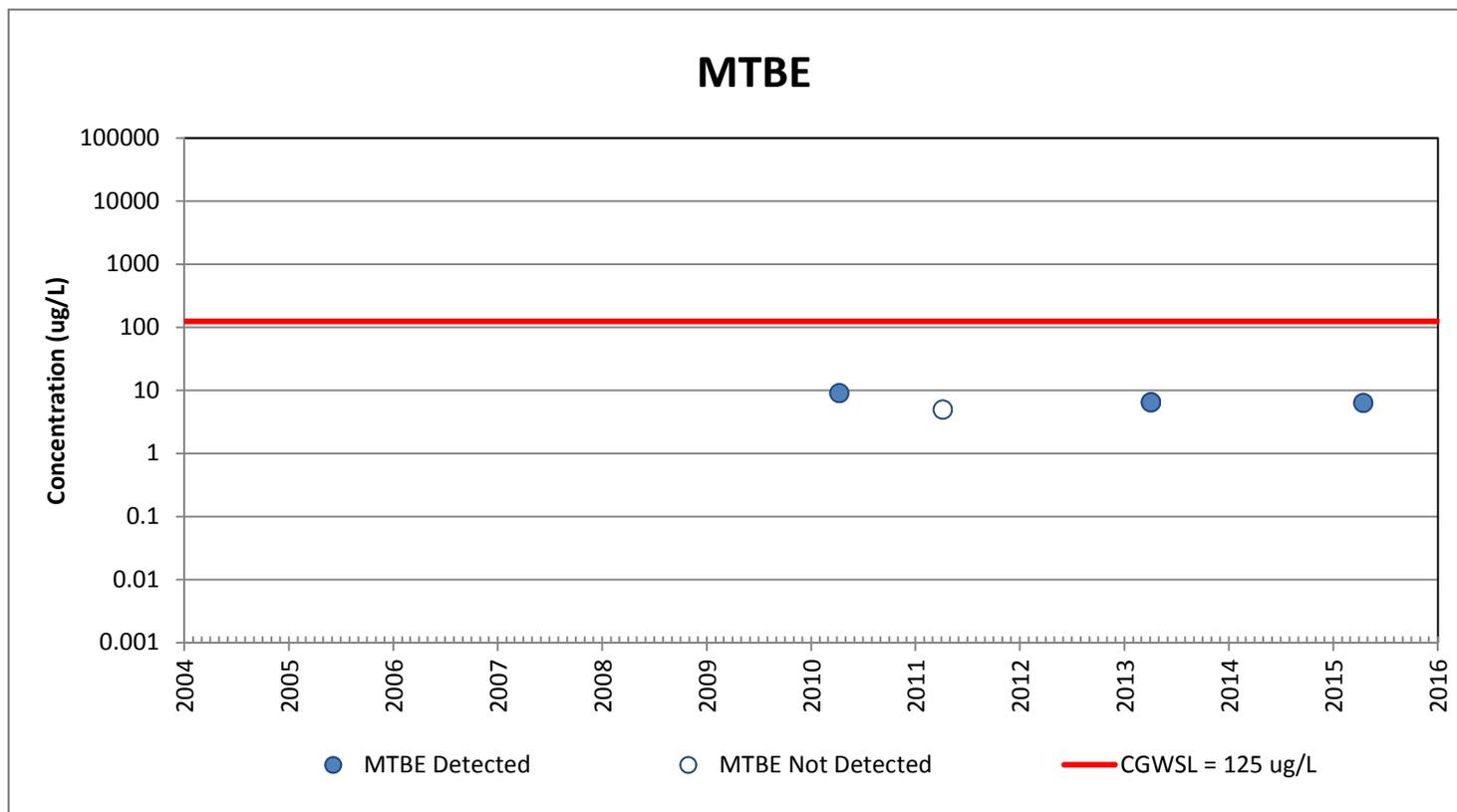
## Toluene



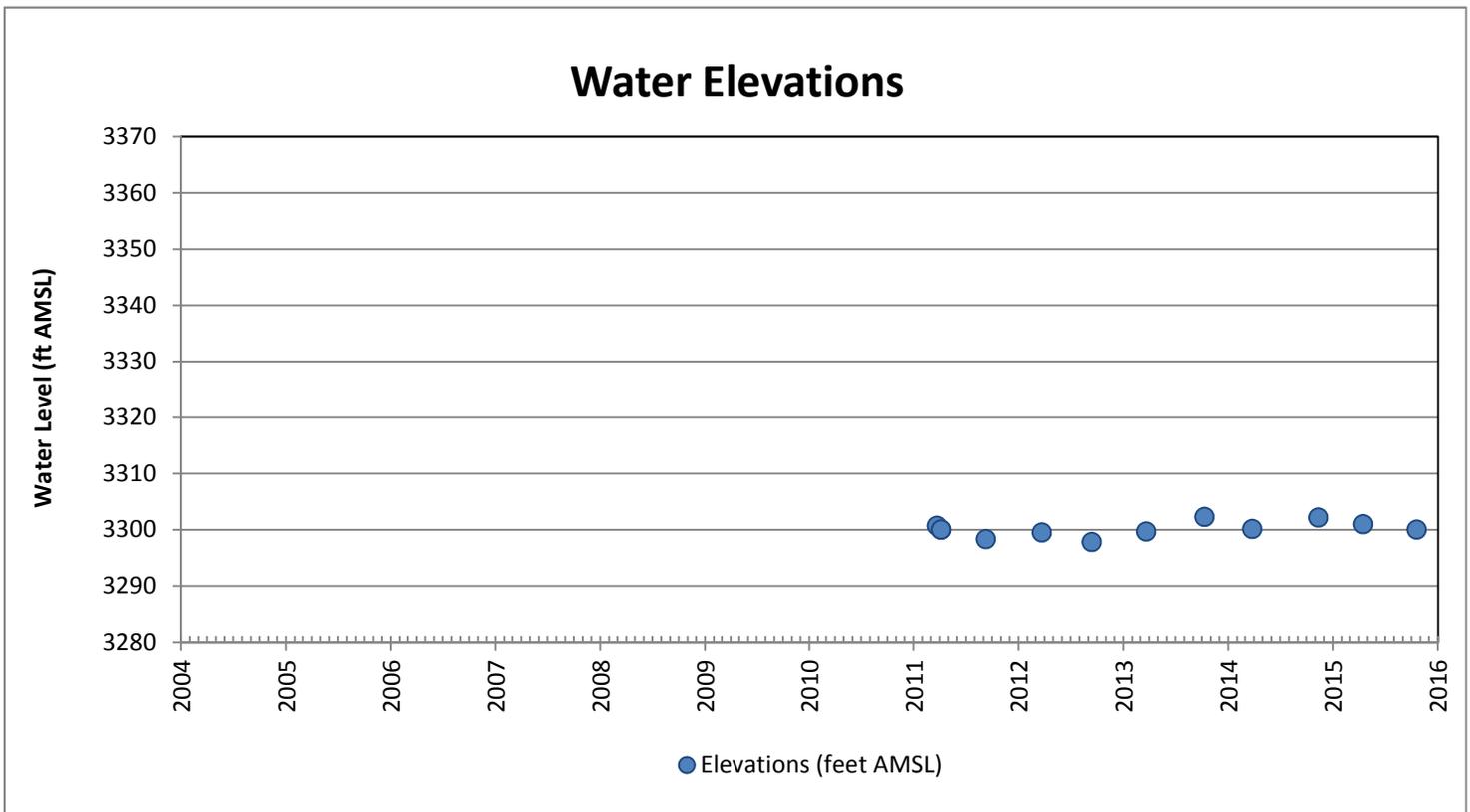
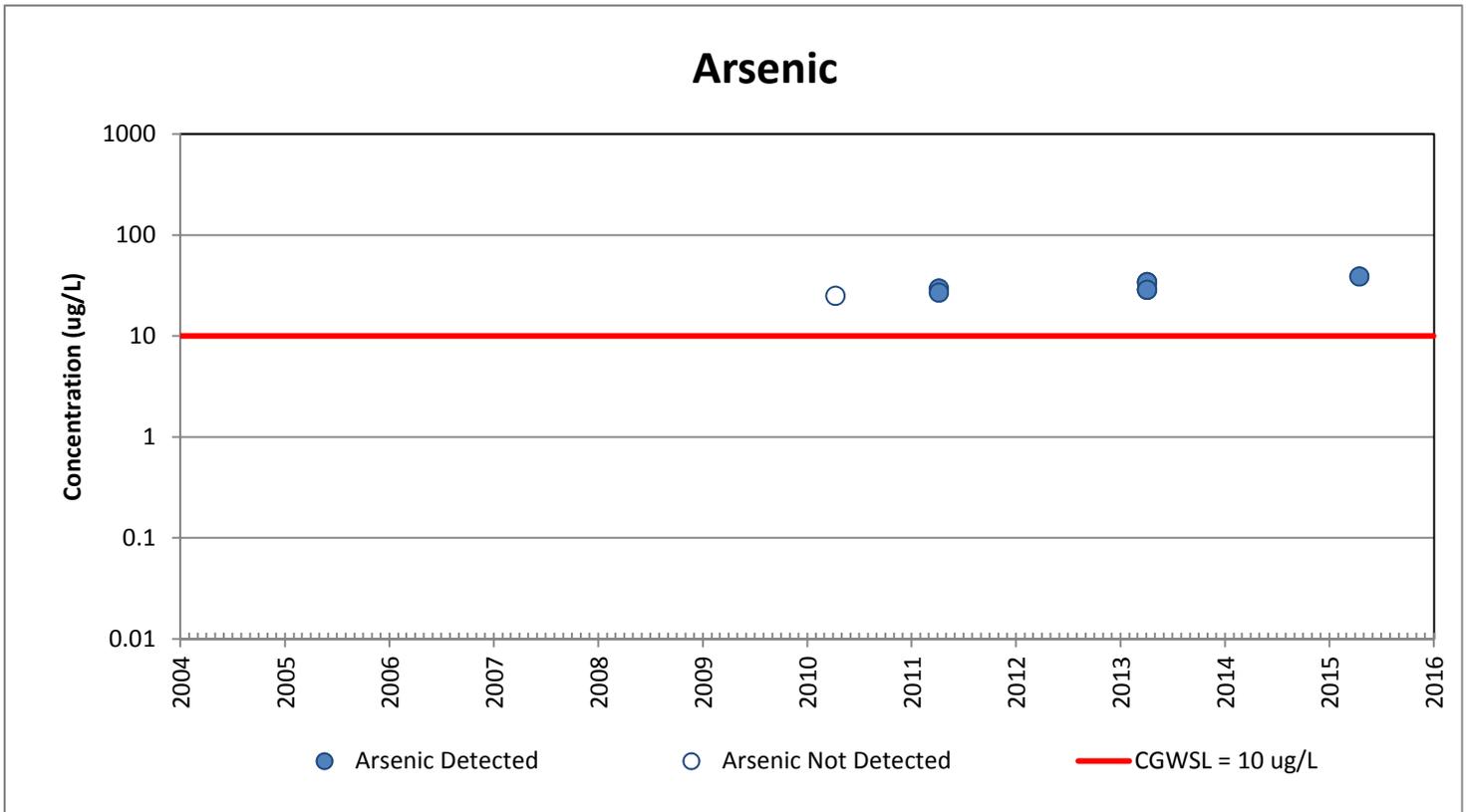
## Xylenes



# MW-22B

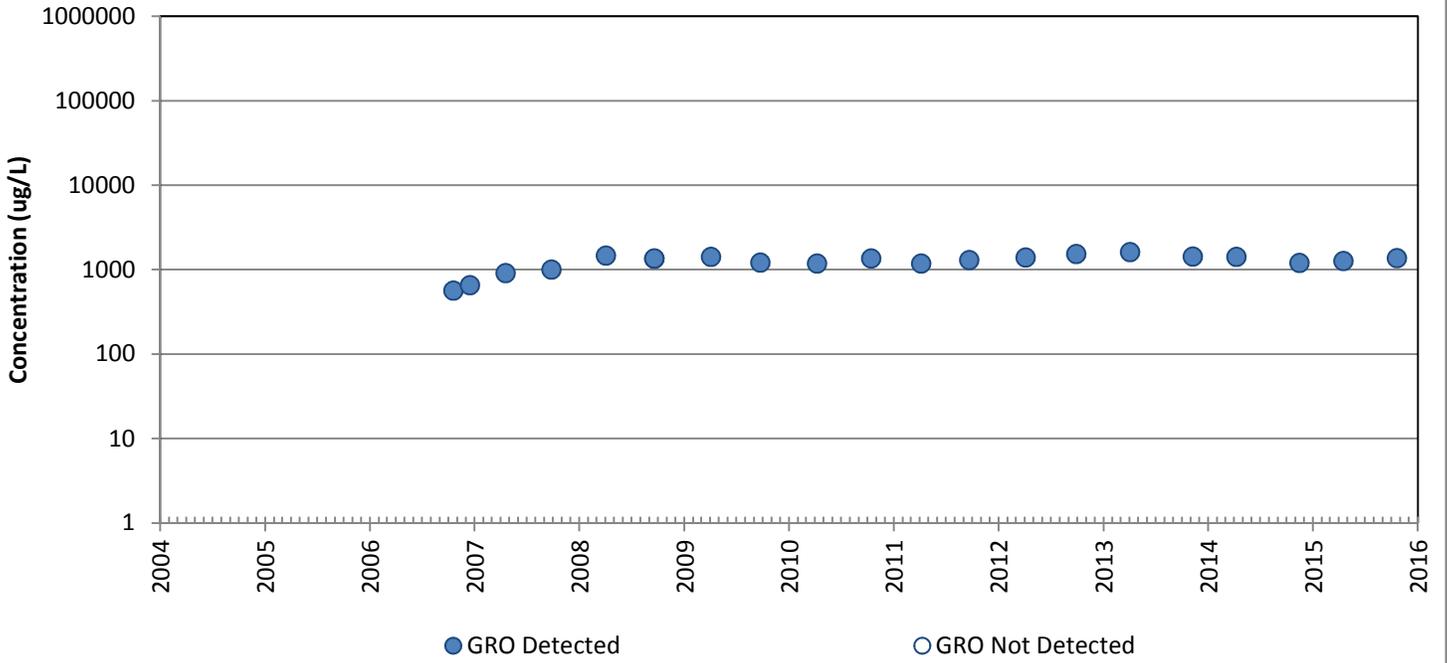


# MW-22B

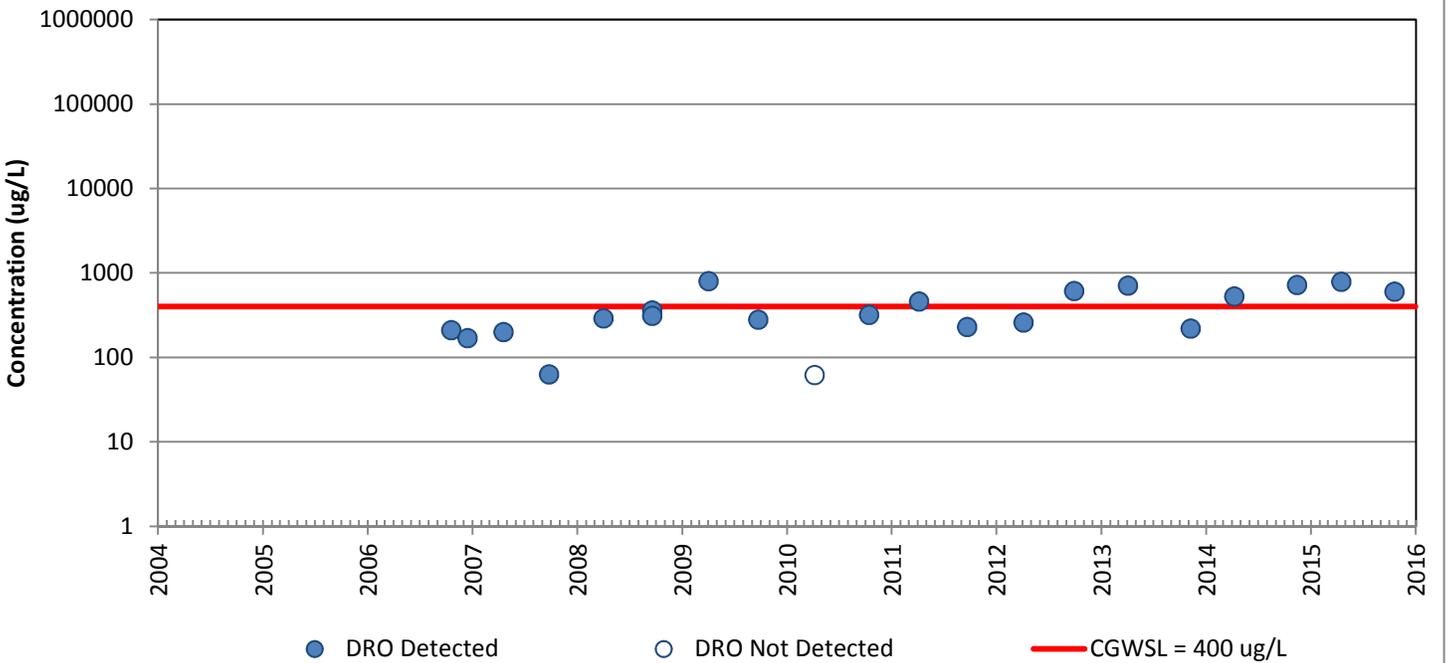


# MW-70

## GRO

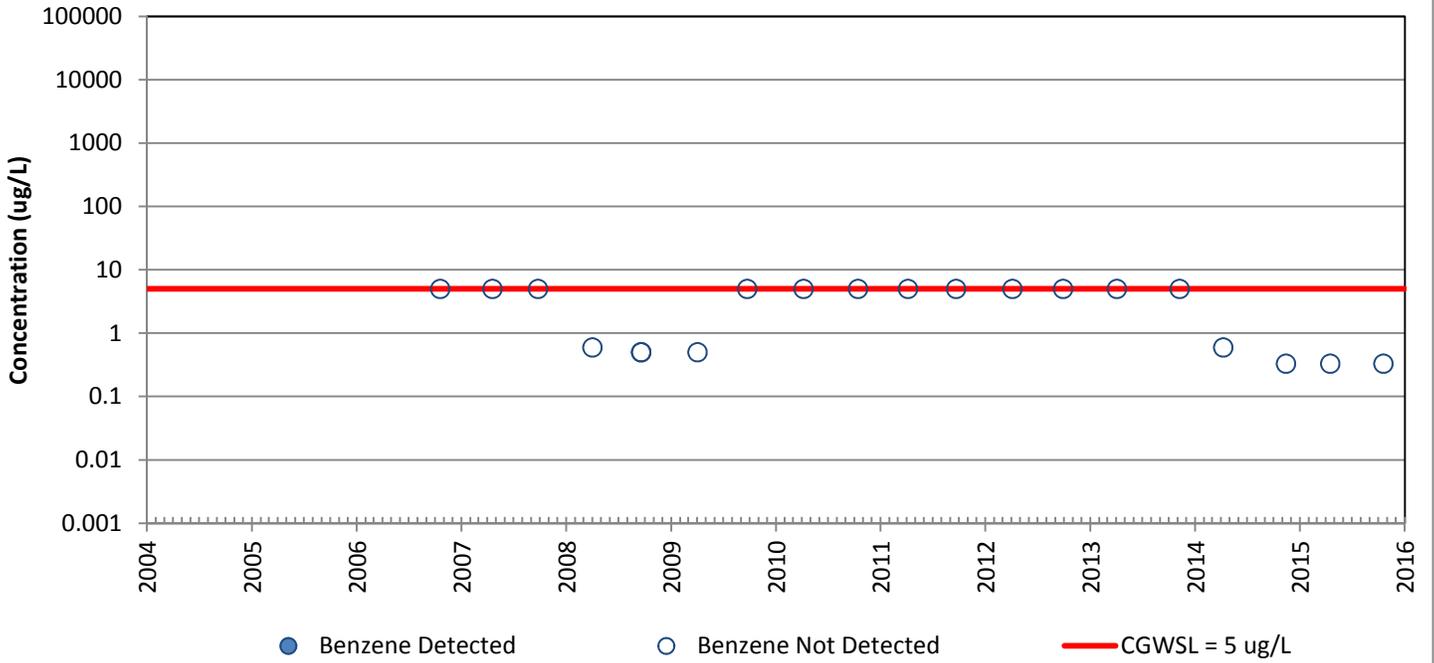


## DRO

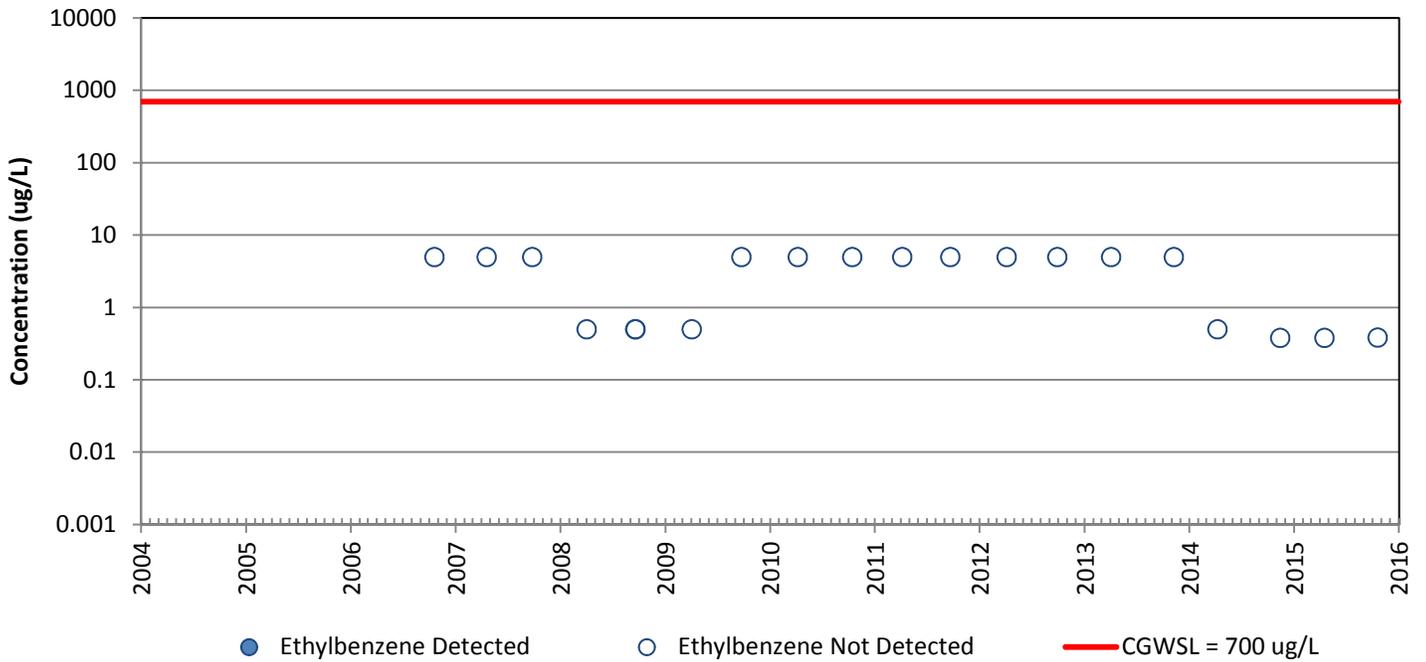


# MW-70

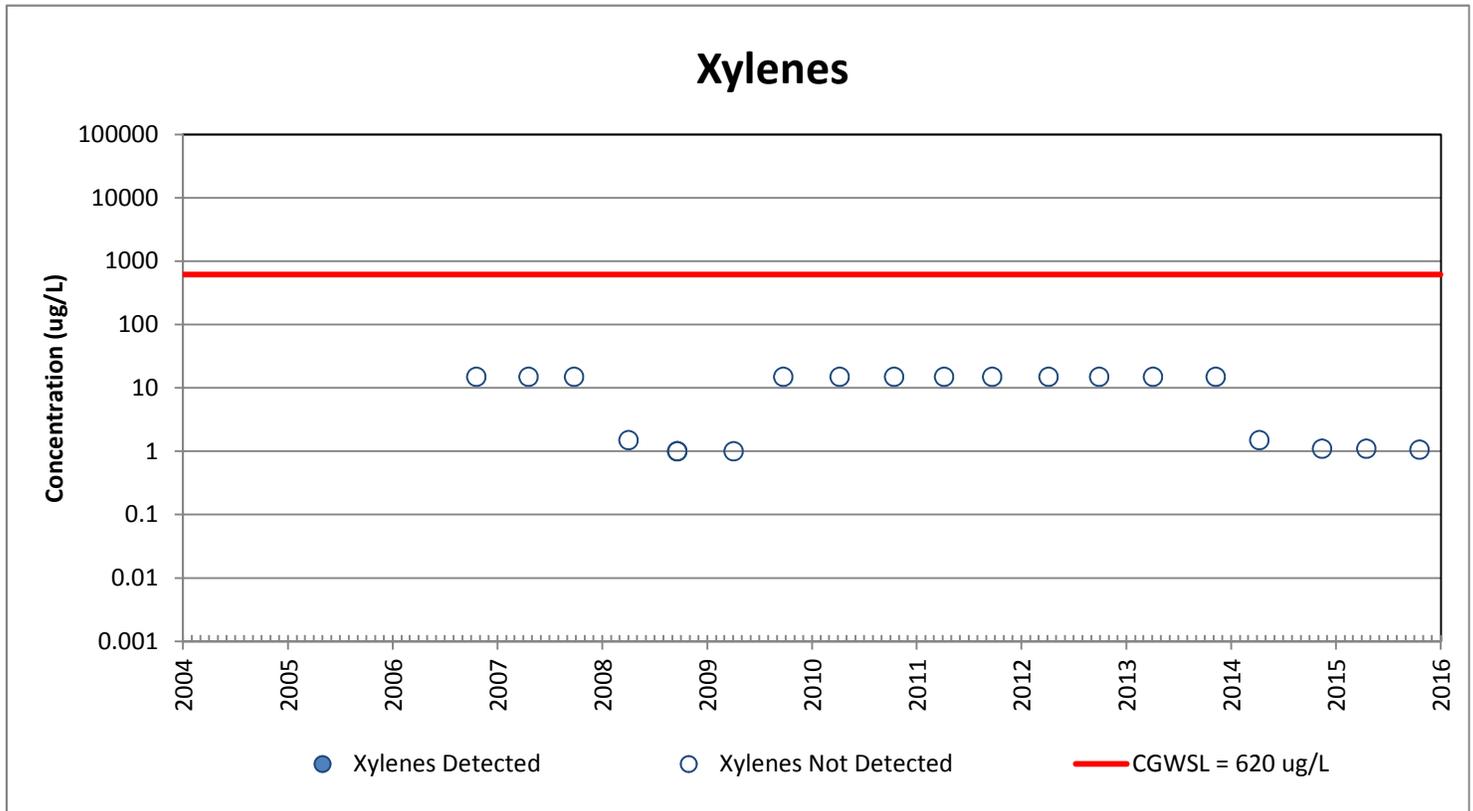
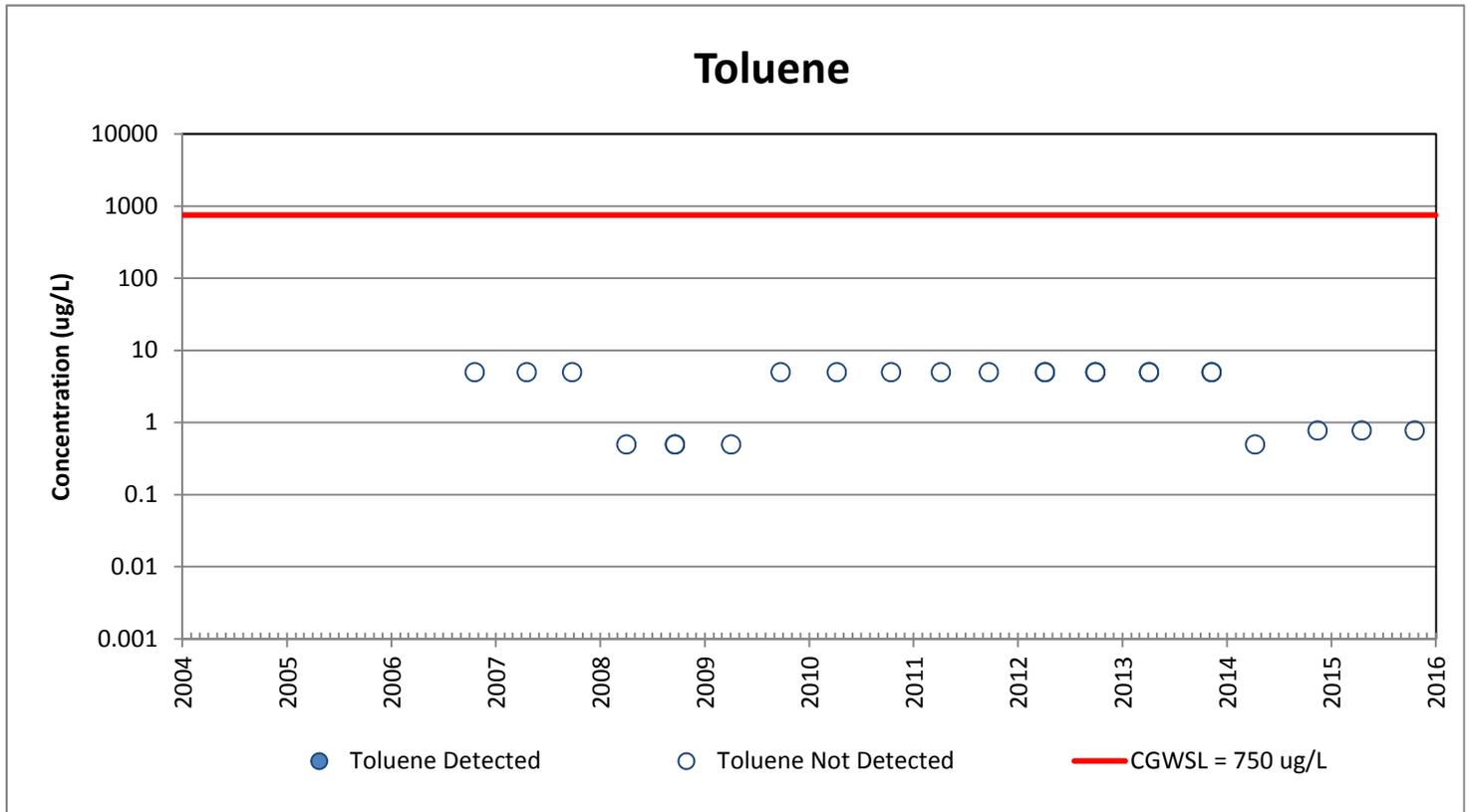
## Benzene



## Ethylbenzene

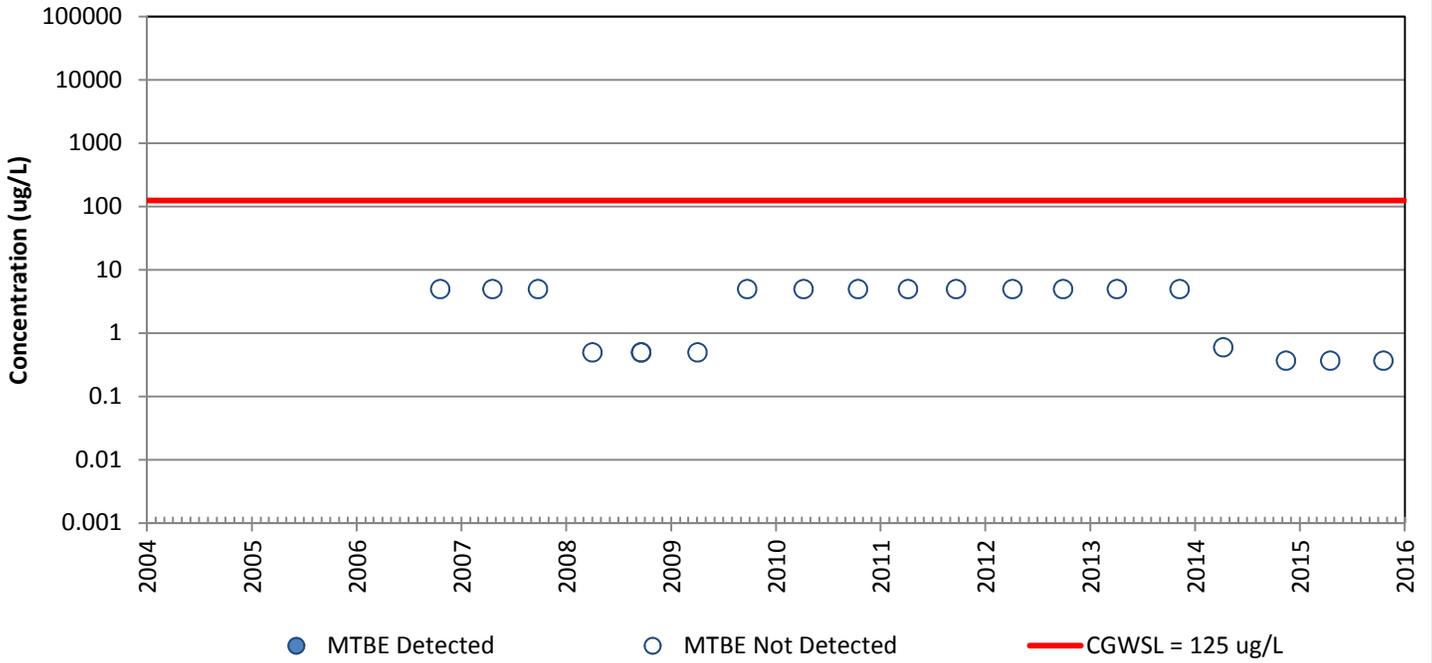


# MW-70

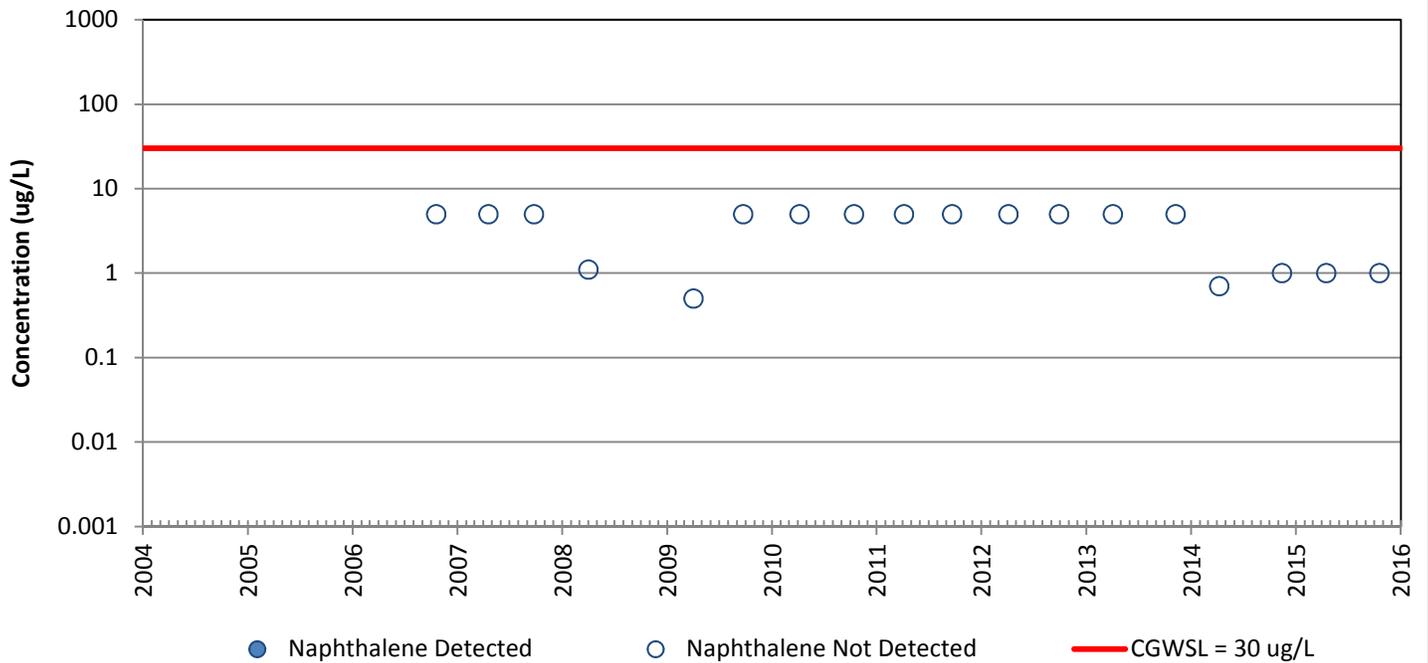


# MW-70

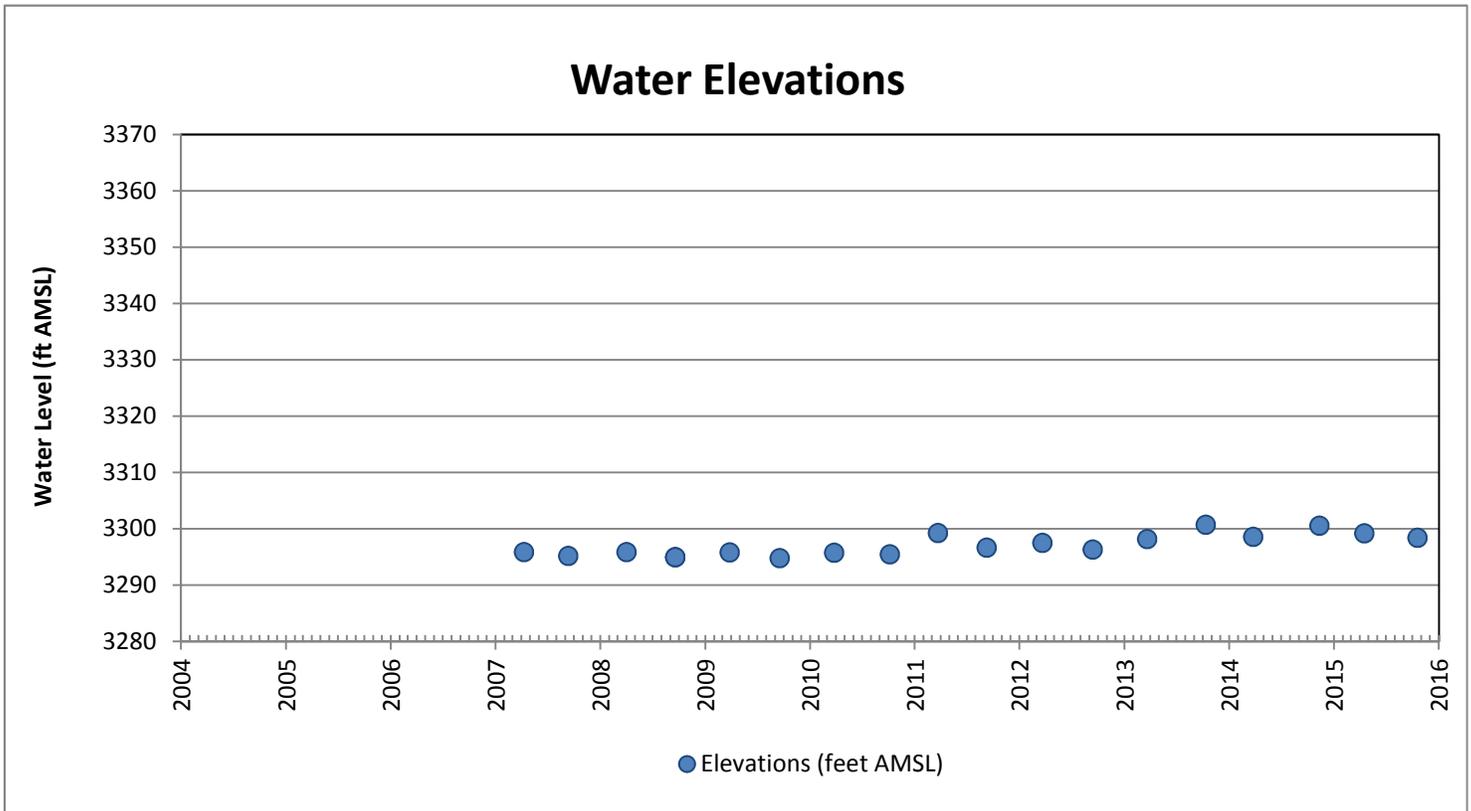
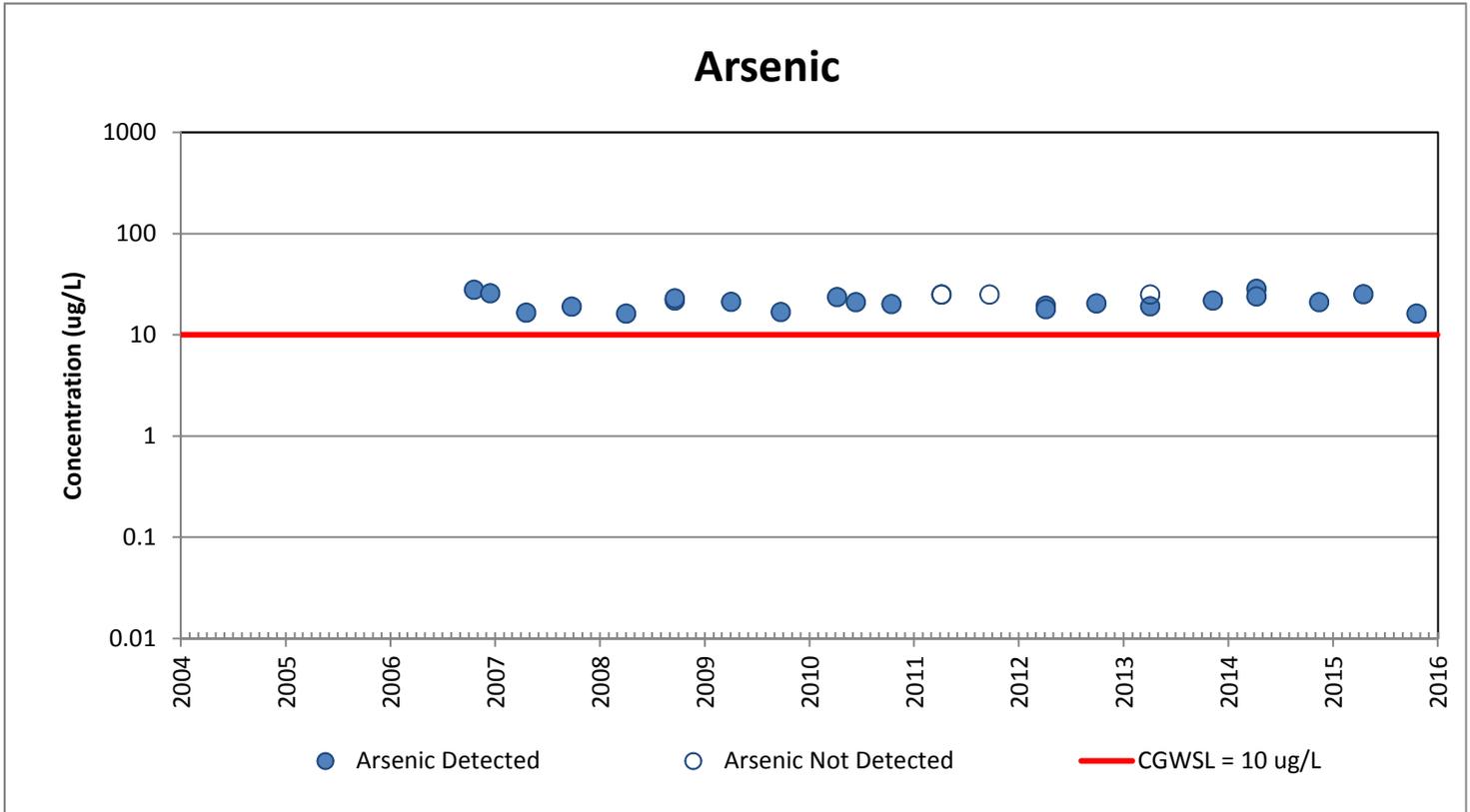
## MTBE



## Naphthalene

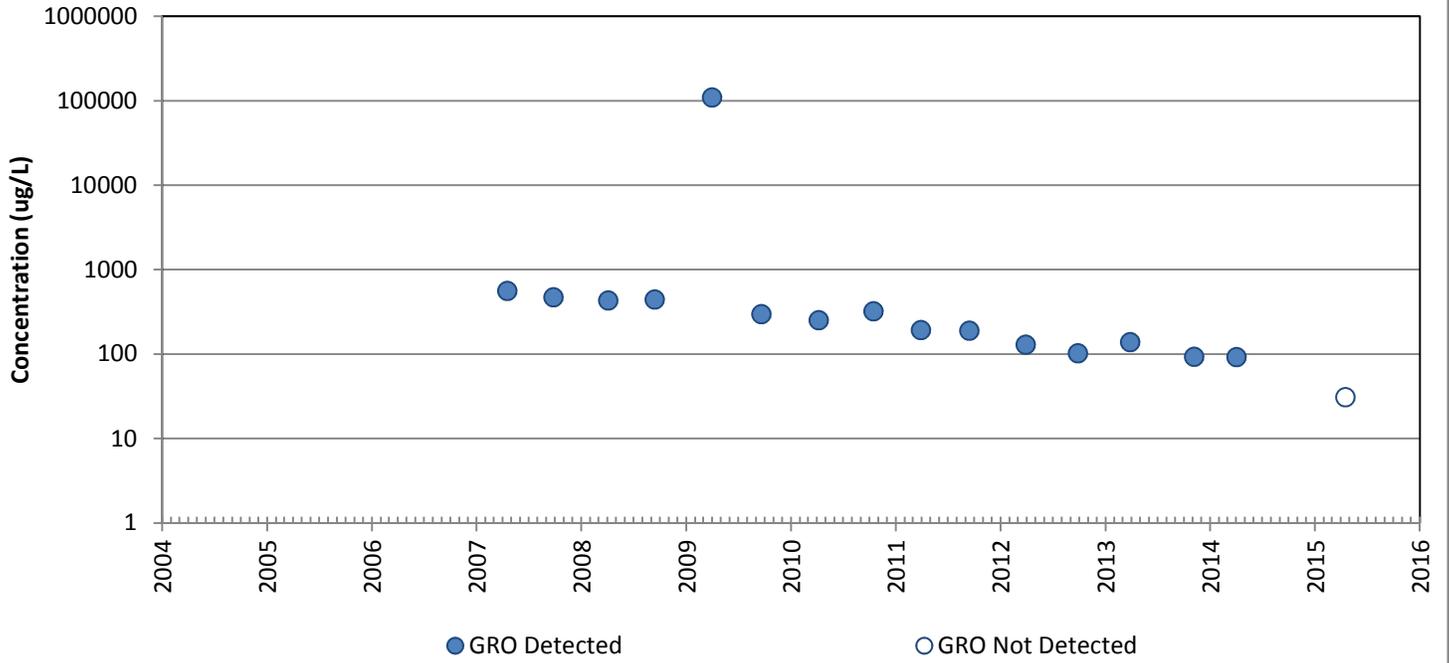


# MW-70

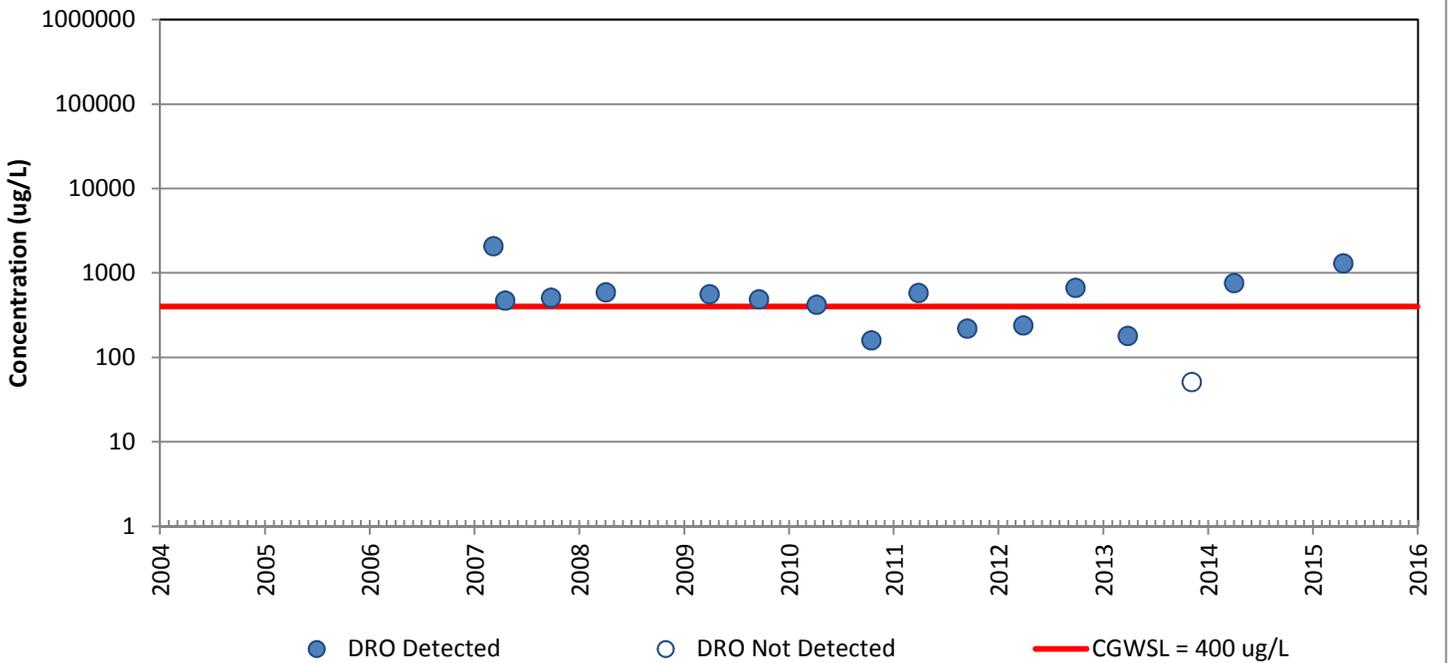


# MW-72

## GRO

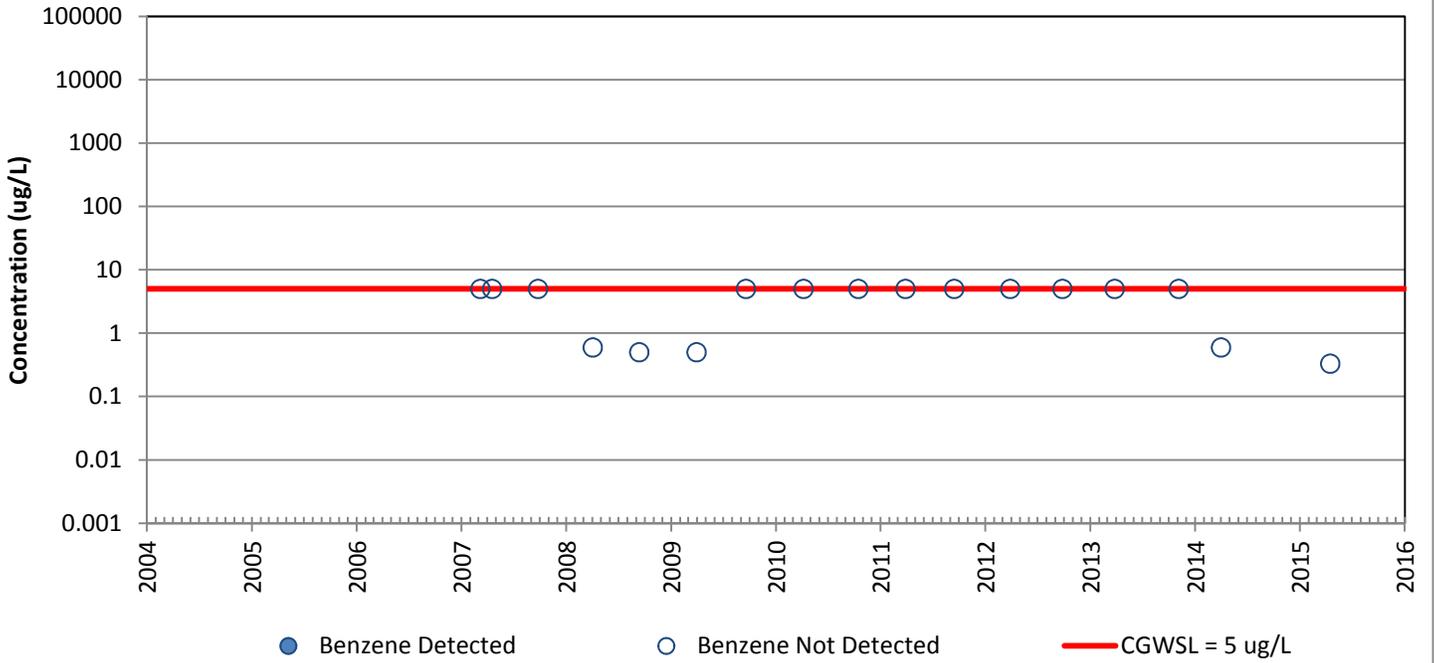


## DRO

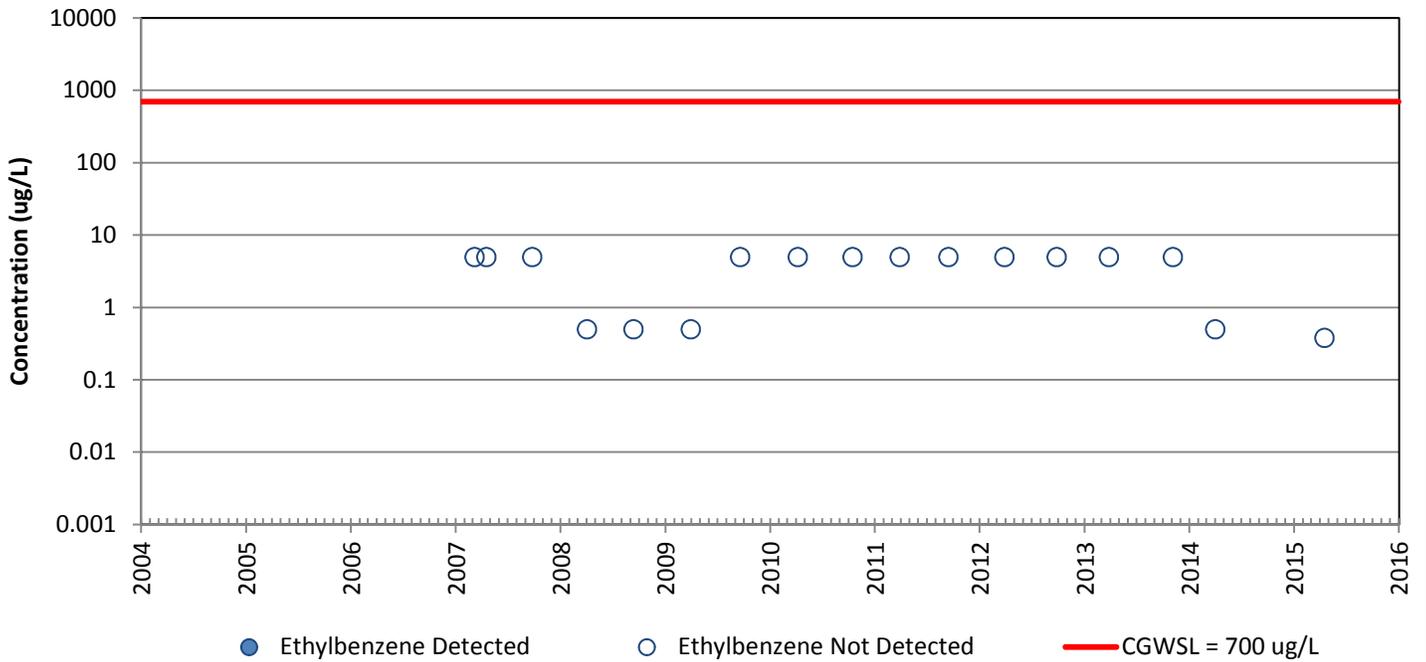


# MW-72

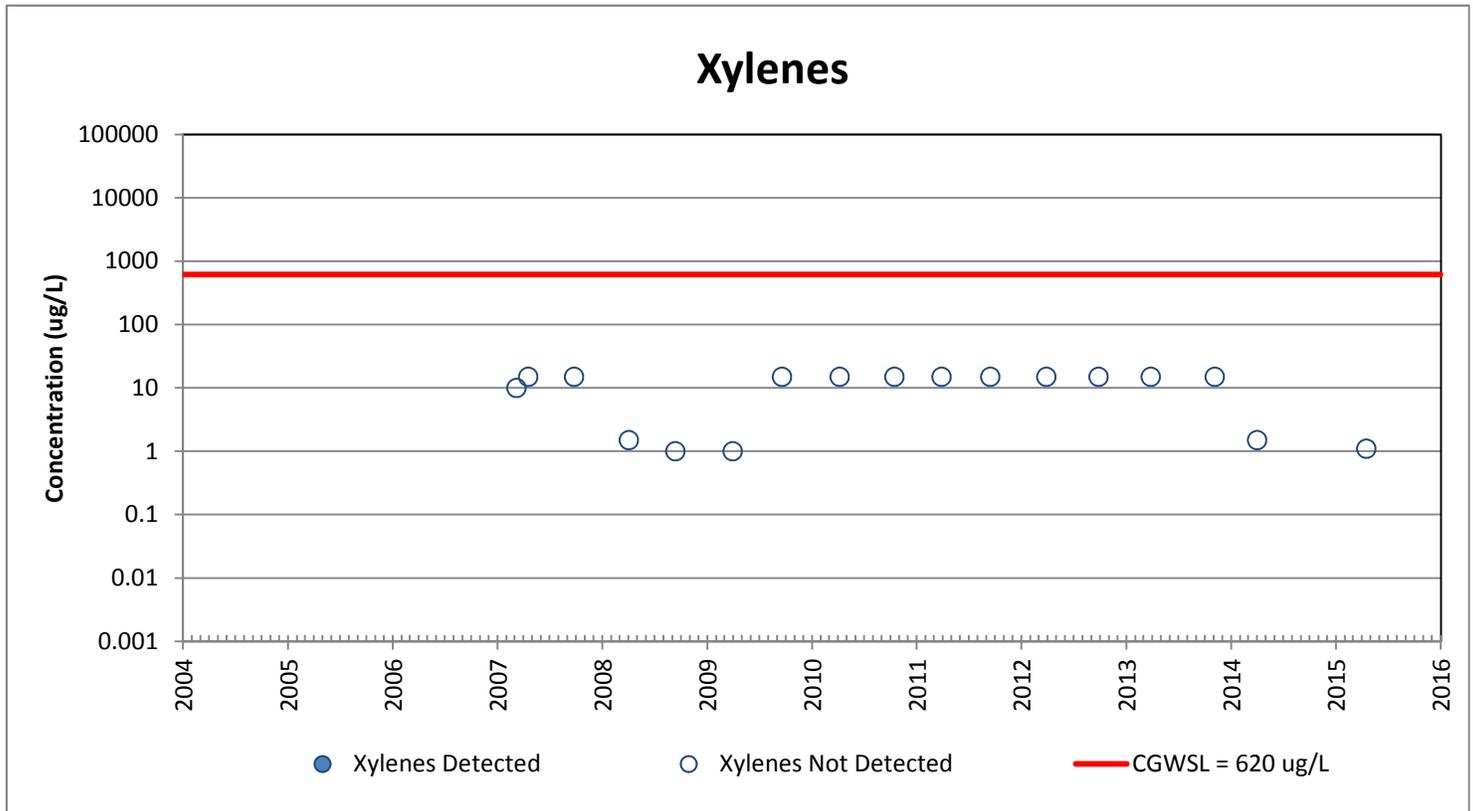
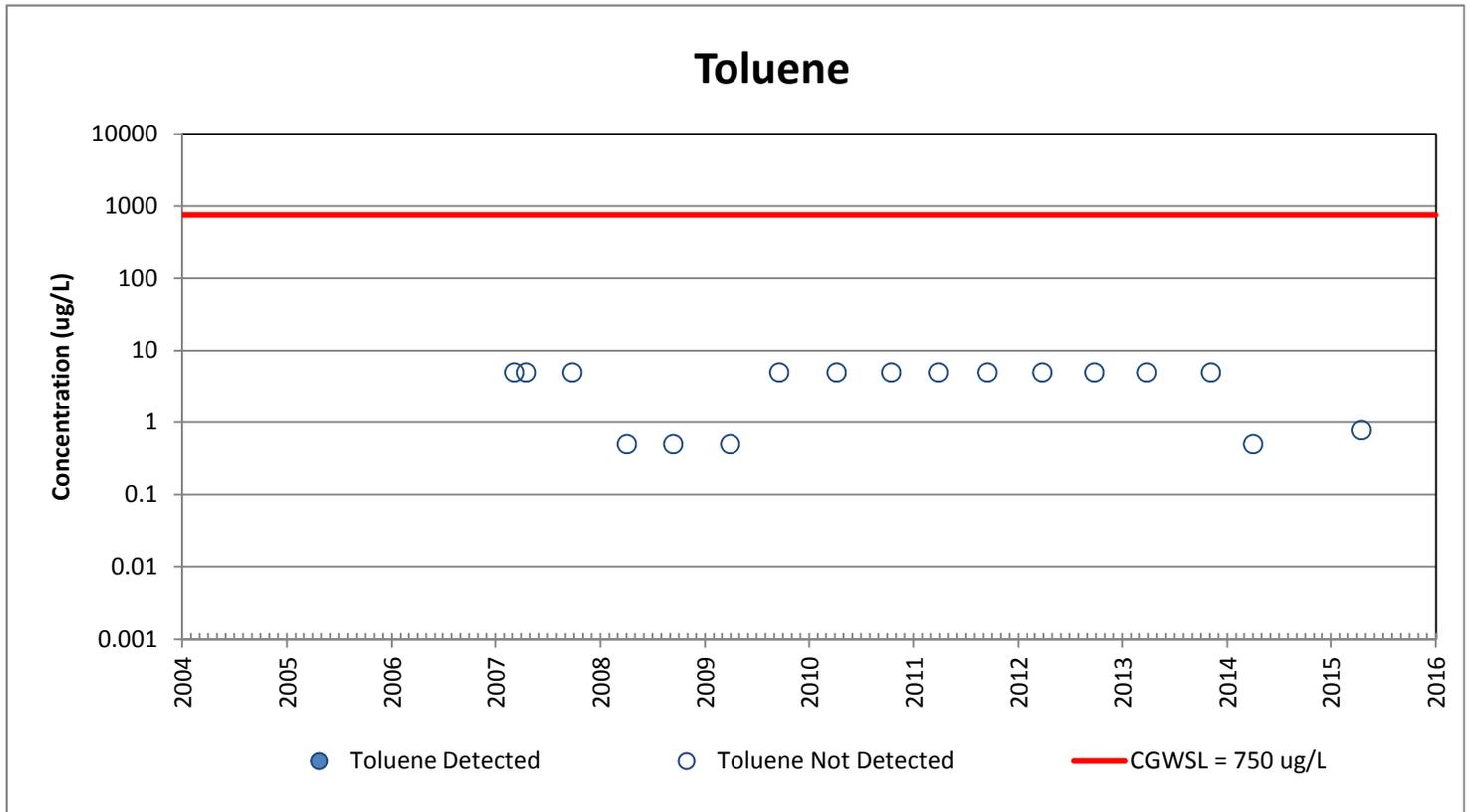
## Benzene



## Ethylbenzene

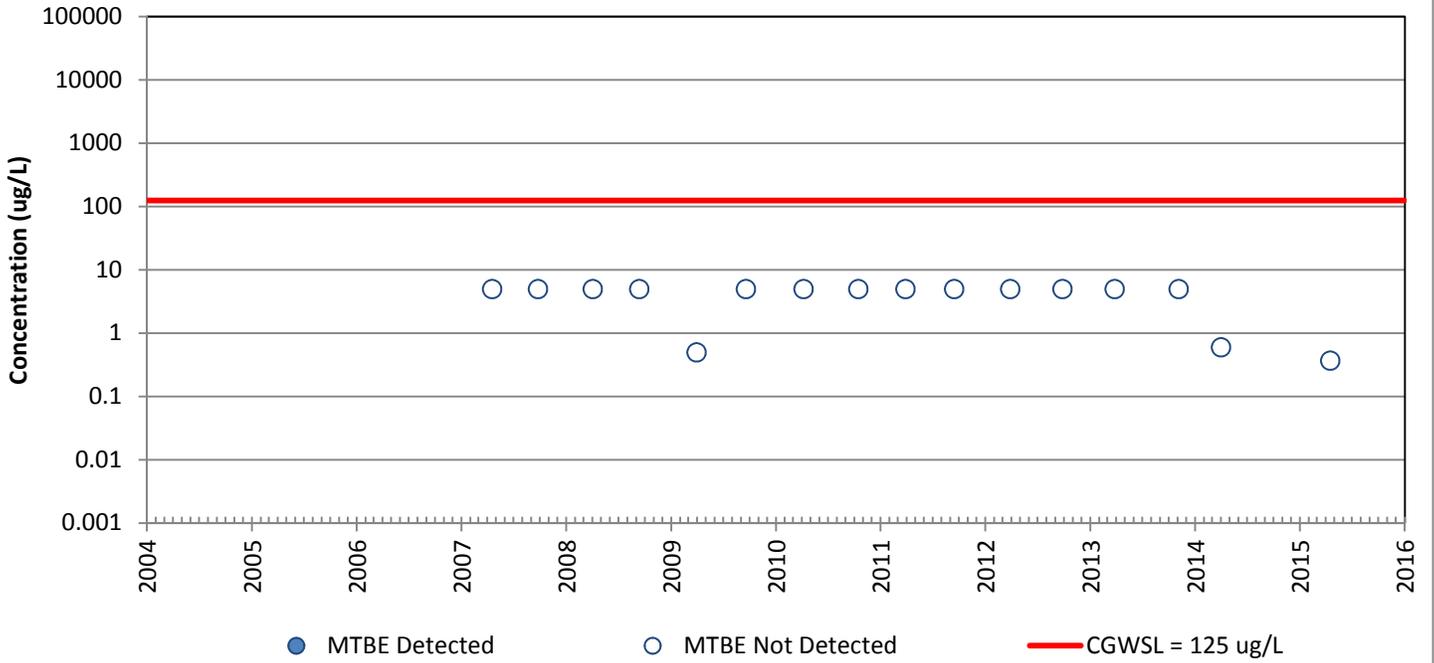


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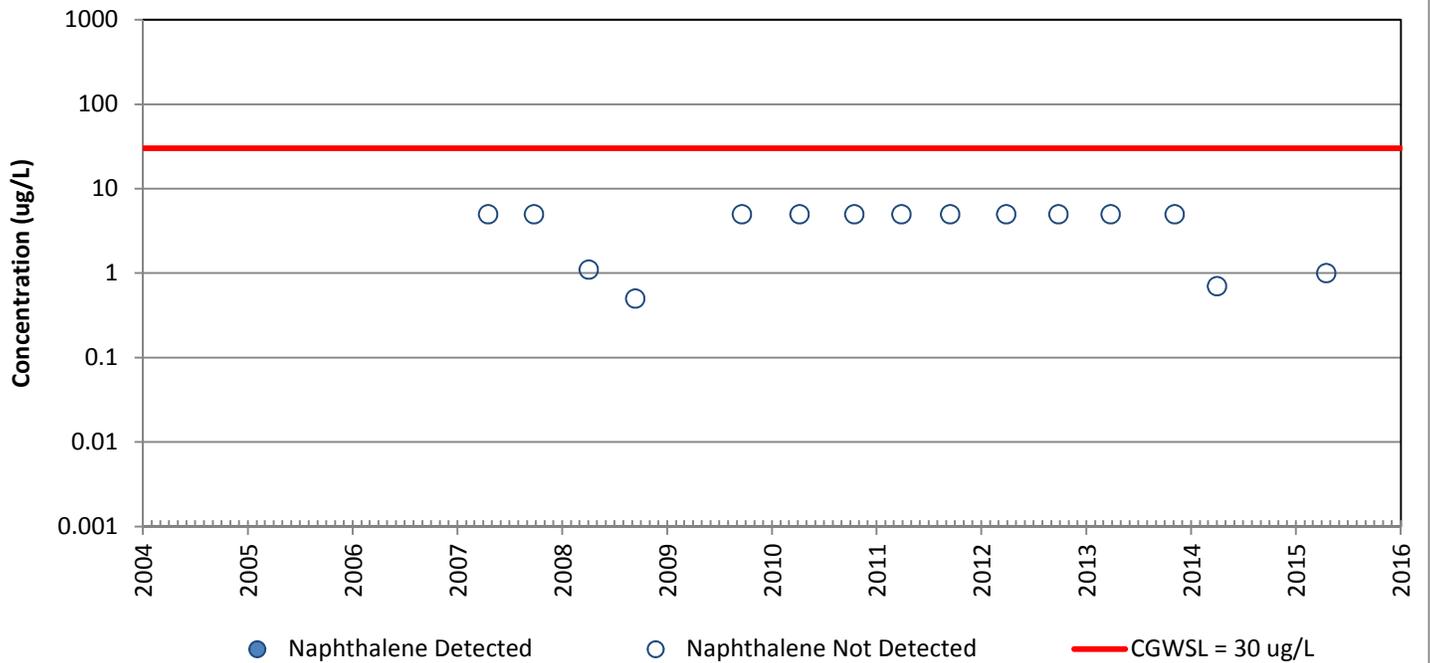


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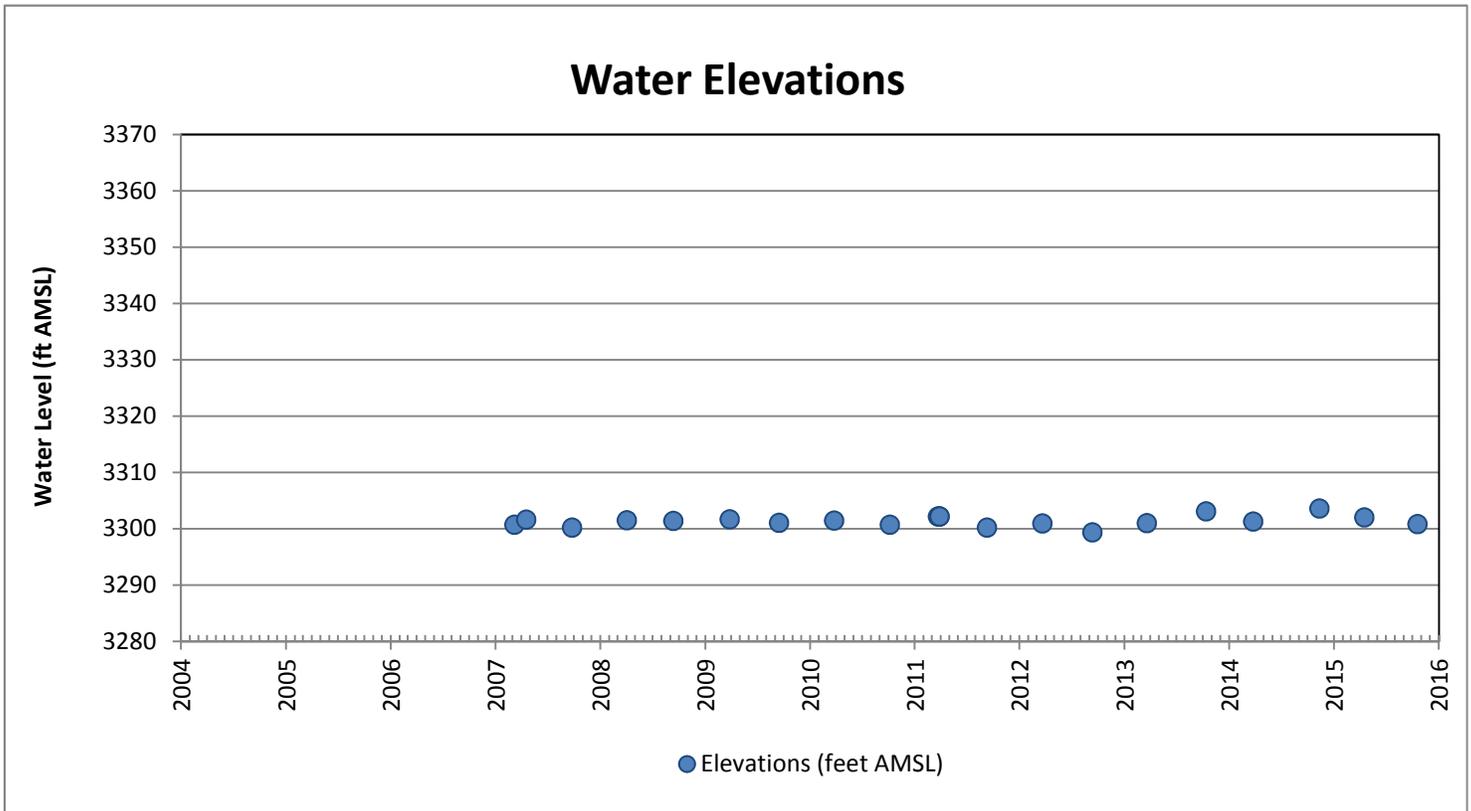
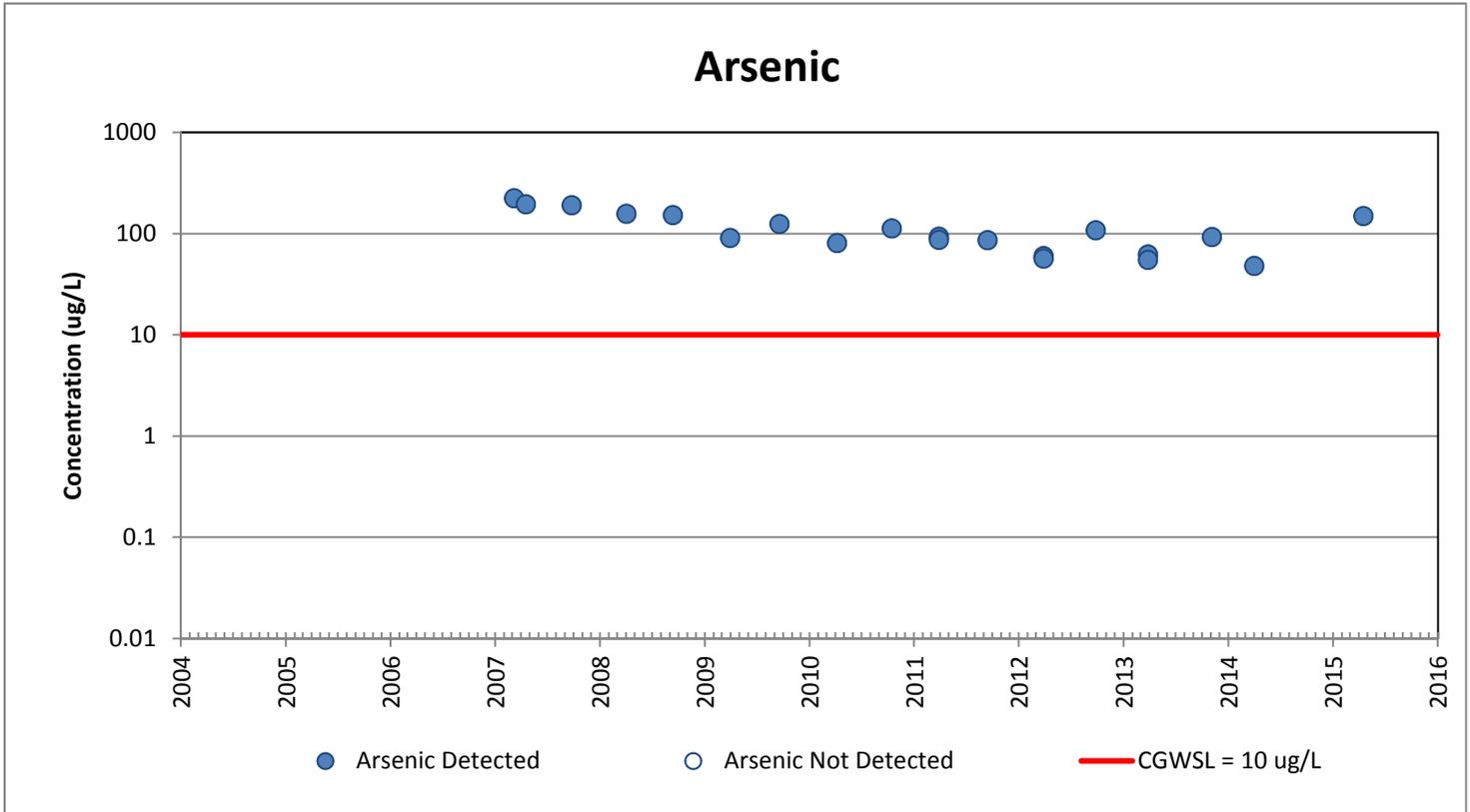
## MTBE



## Naphthalene

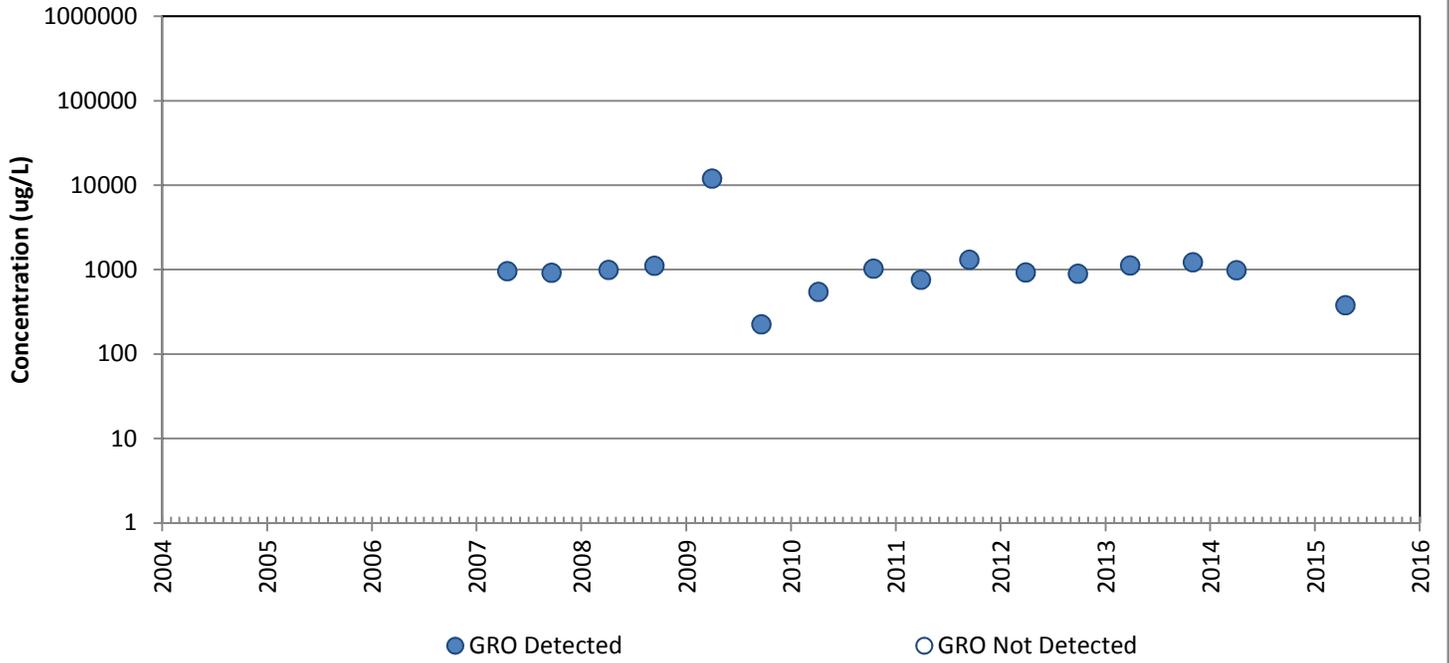


# MW-72

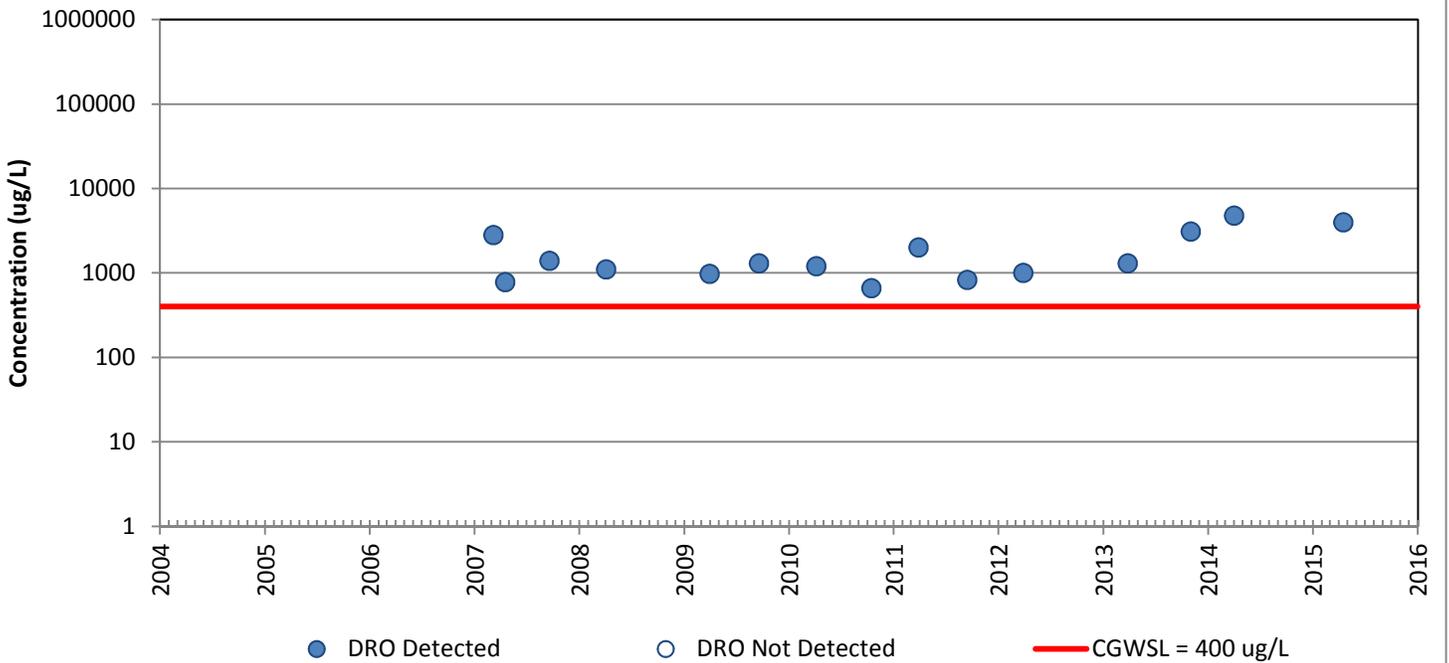


# MW-73

## GRO

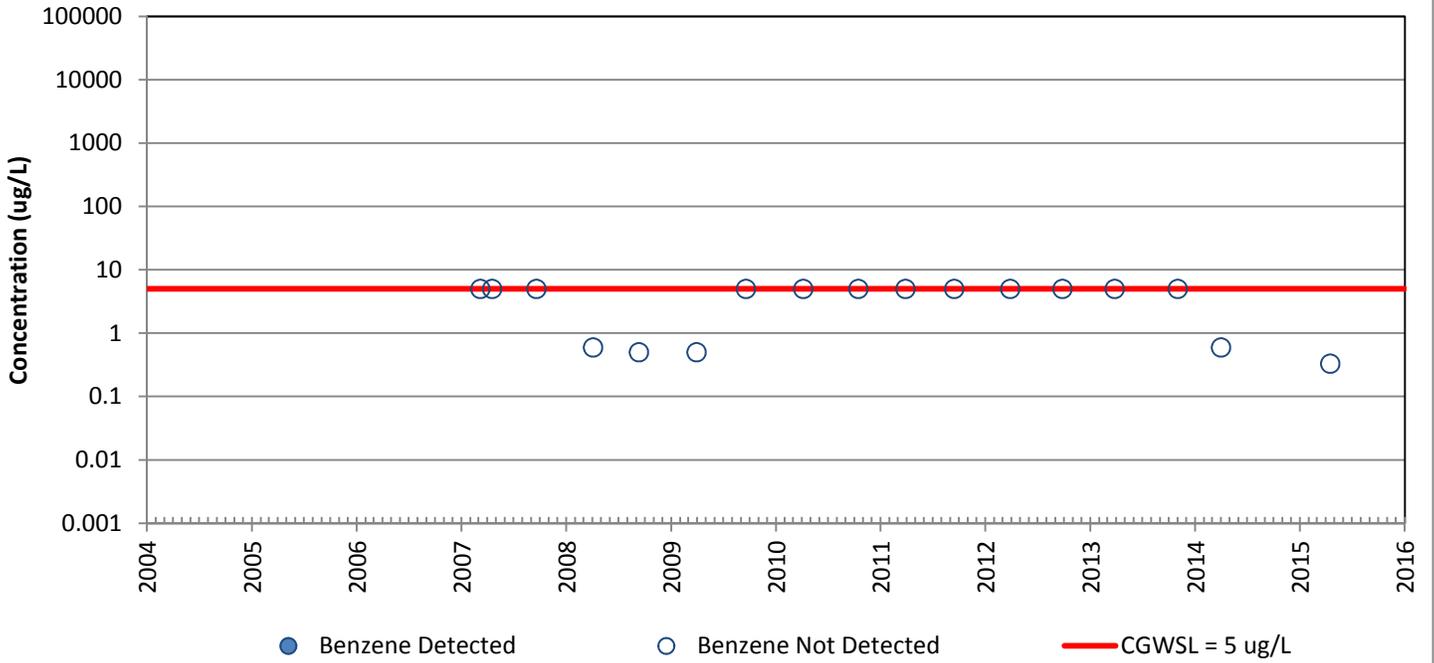


## DRO

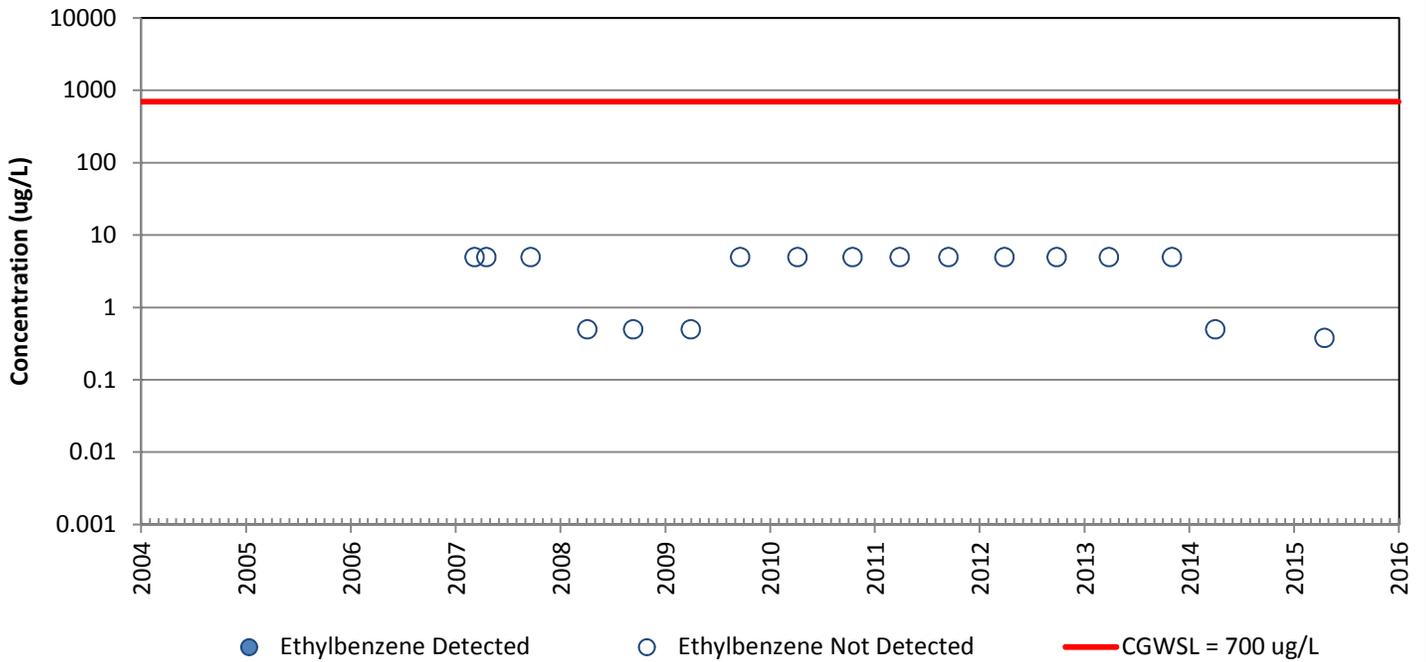


# MW-73

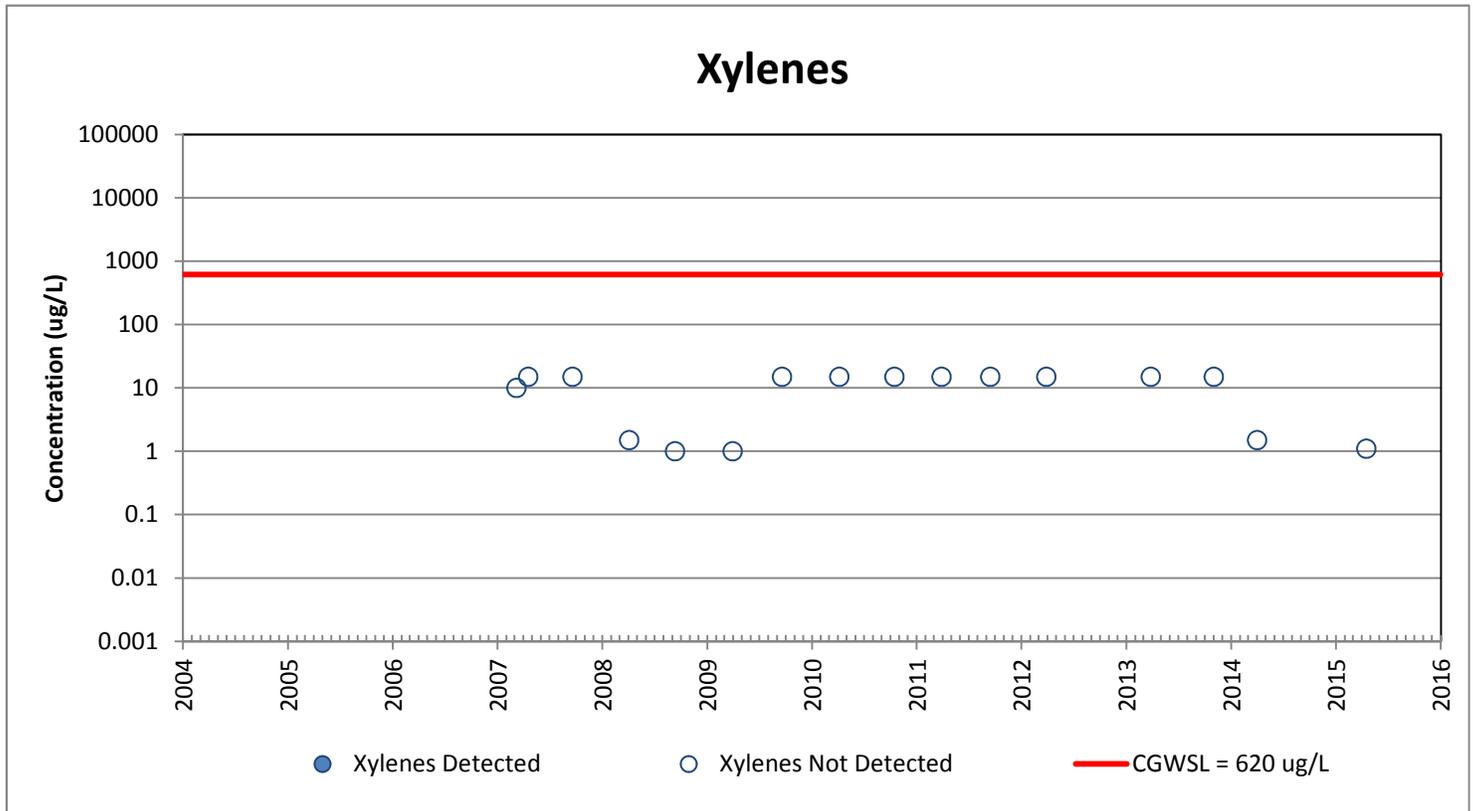
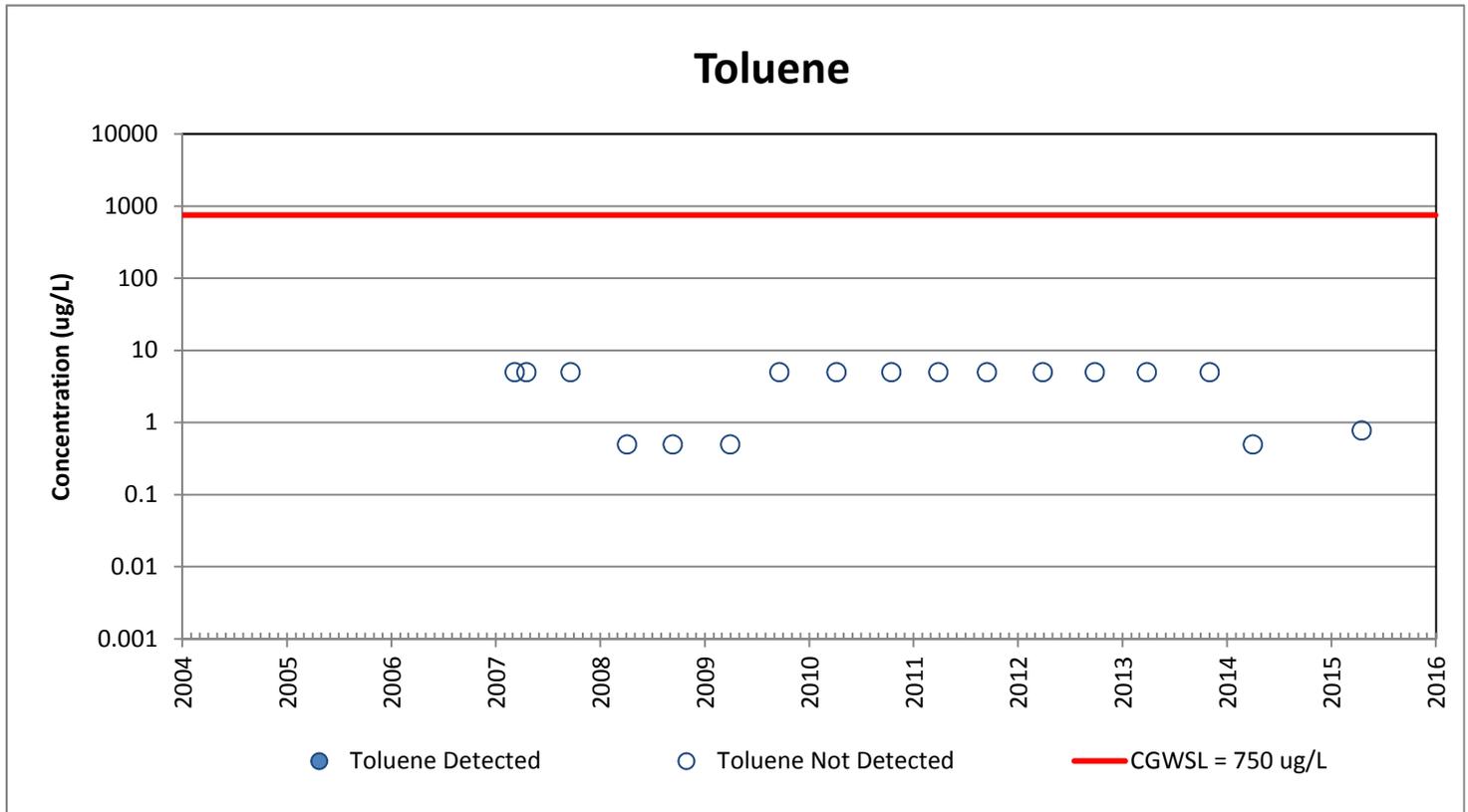
## Benzene



## Ethylbenzene

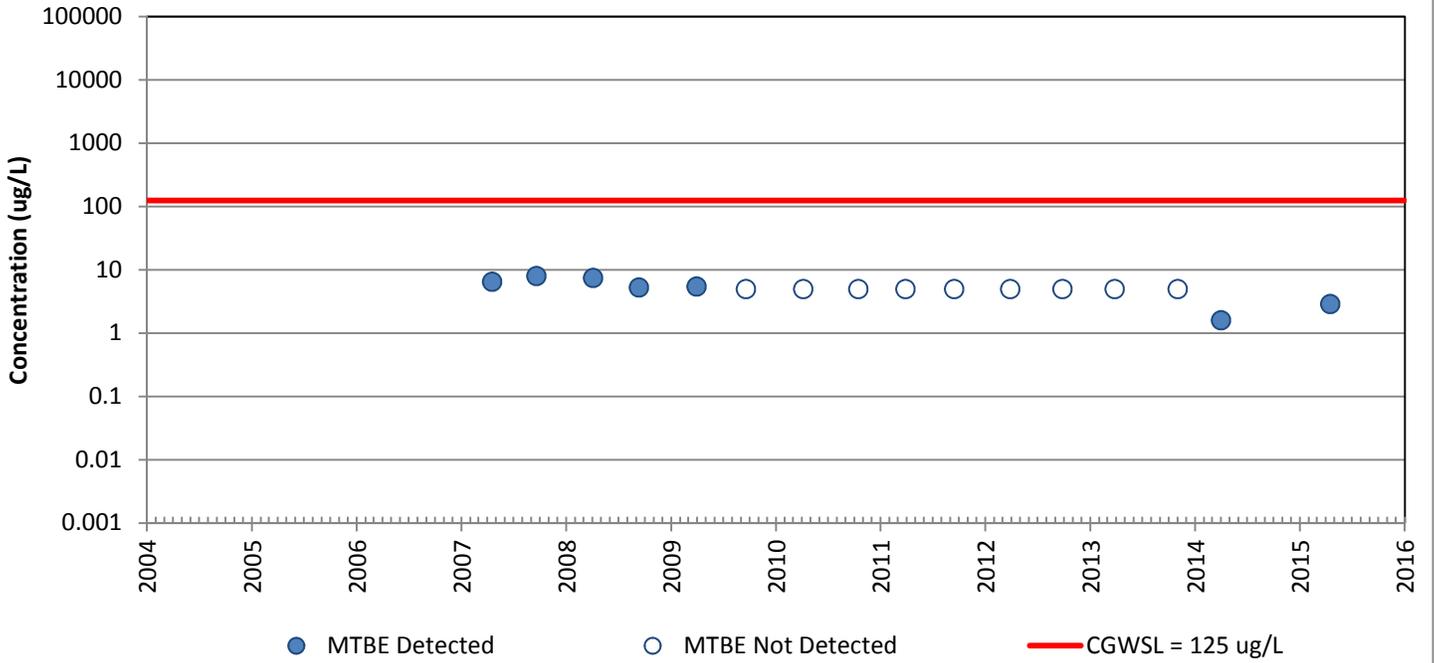


# MW-73

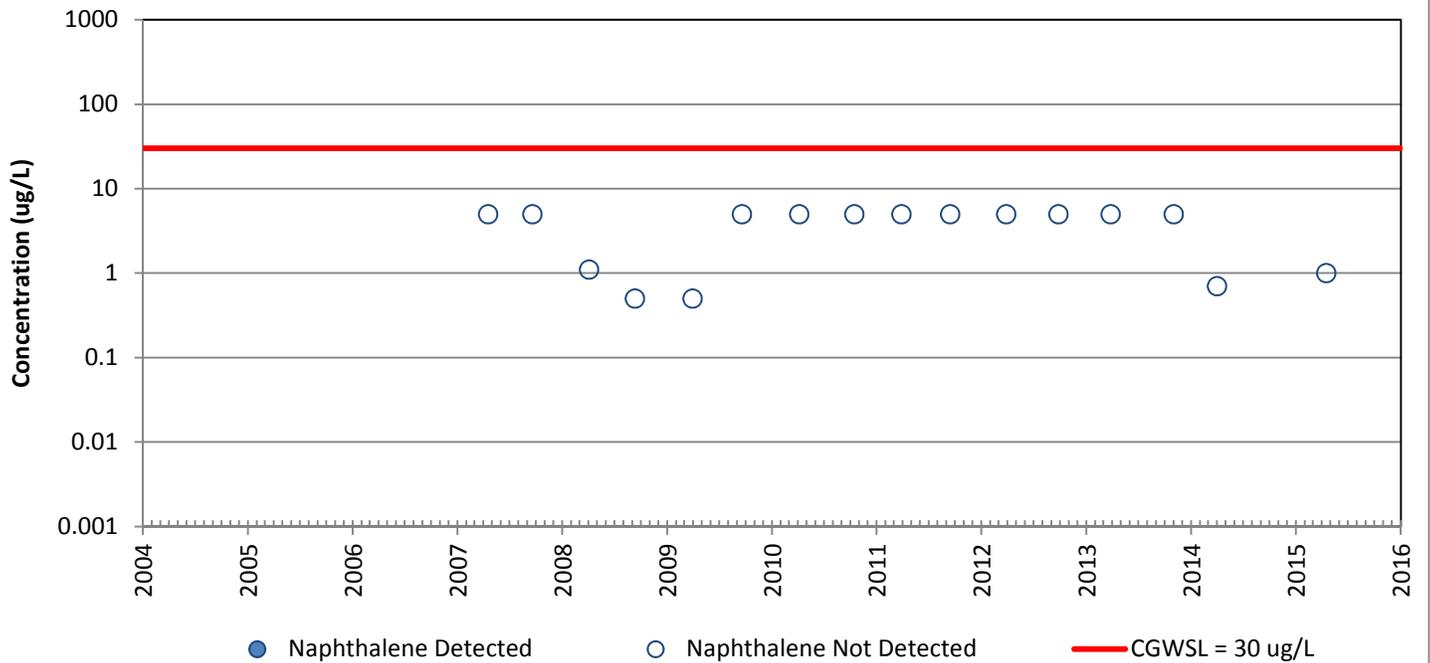


# MW-73

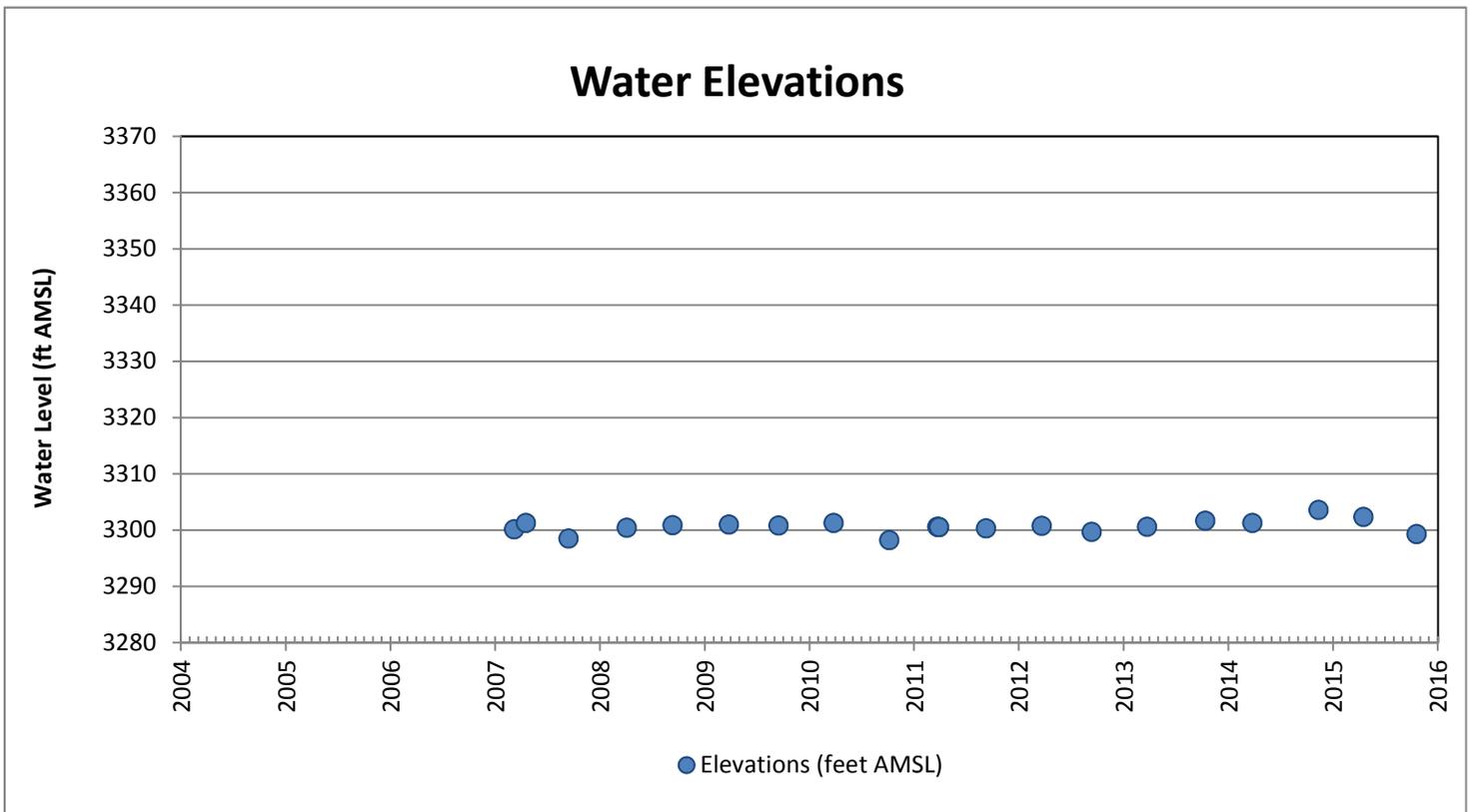
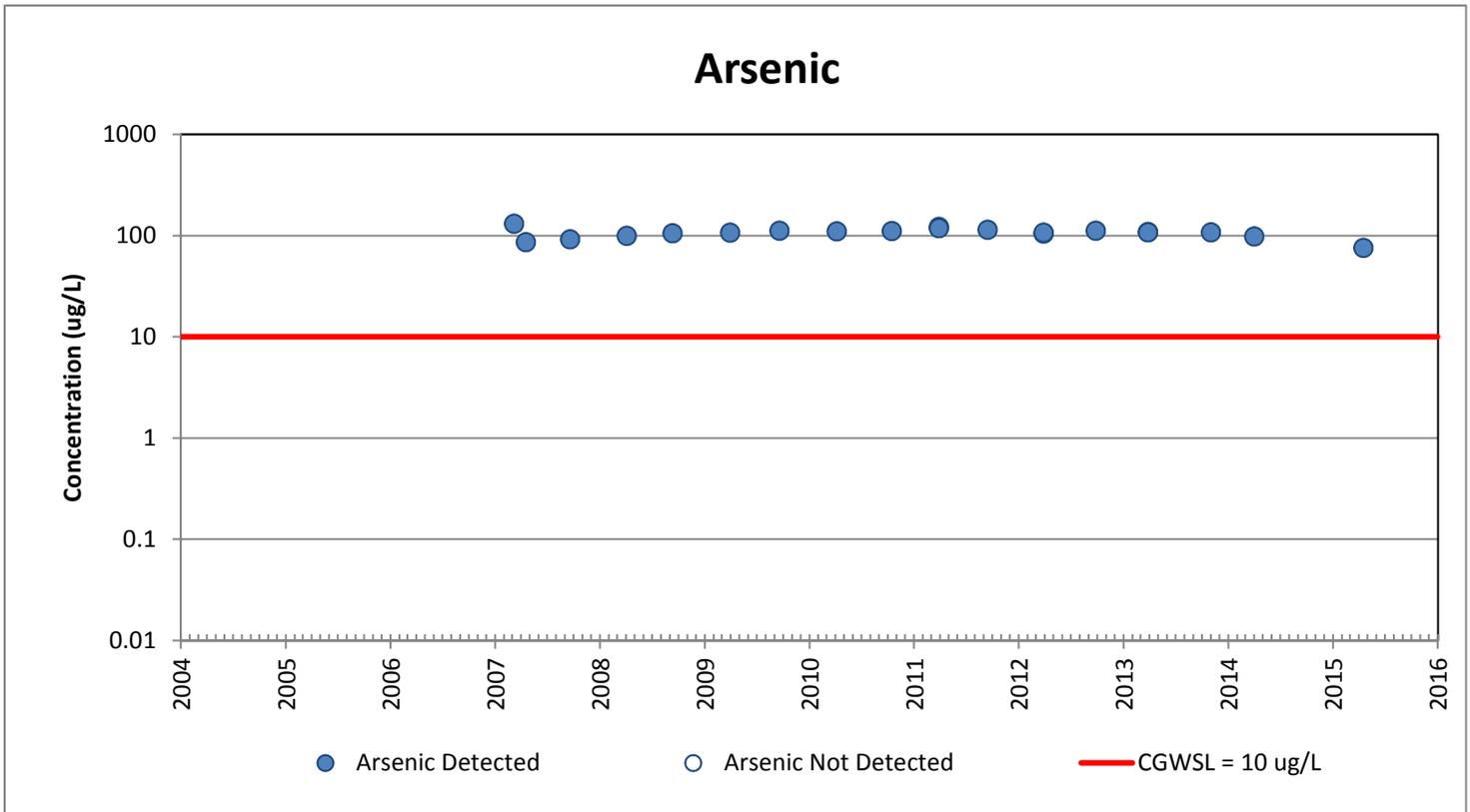
## MTBE



## Naphthalene

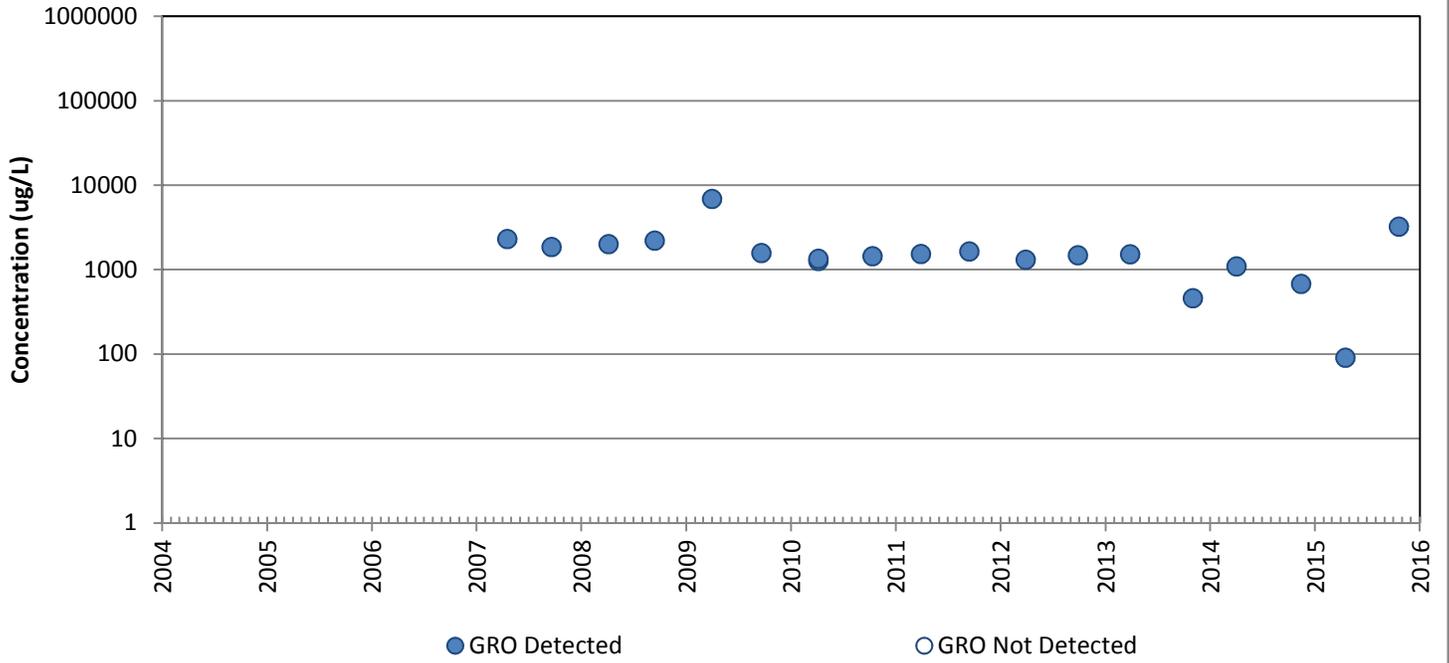


# MW-73

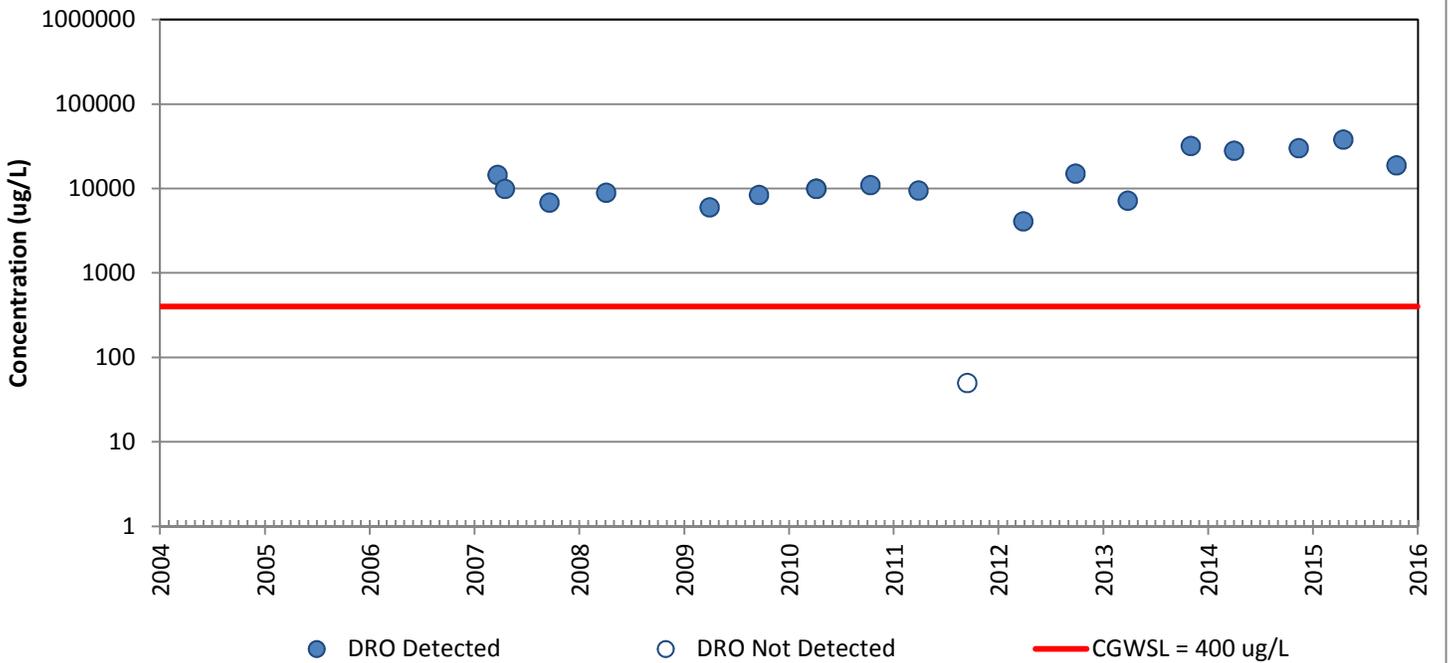


# MW-74

## GRO

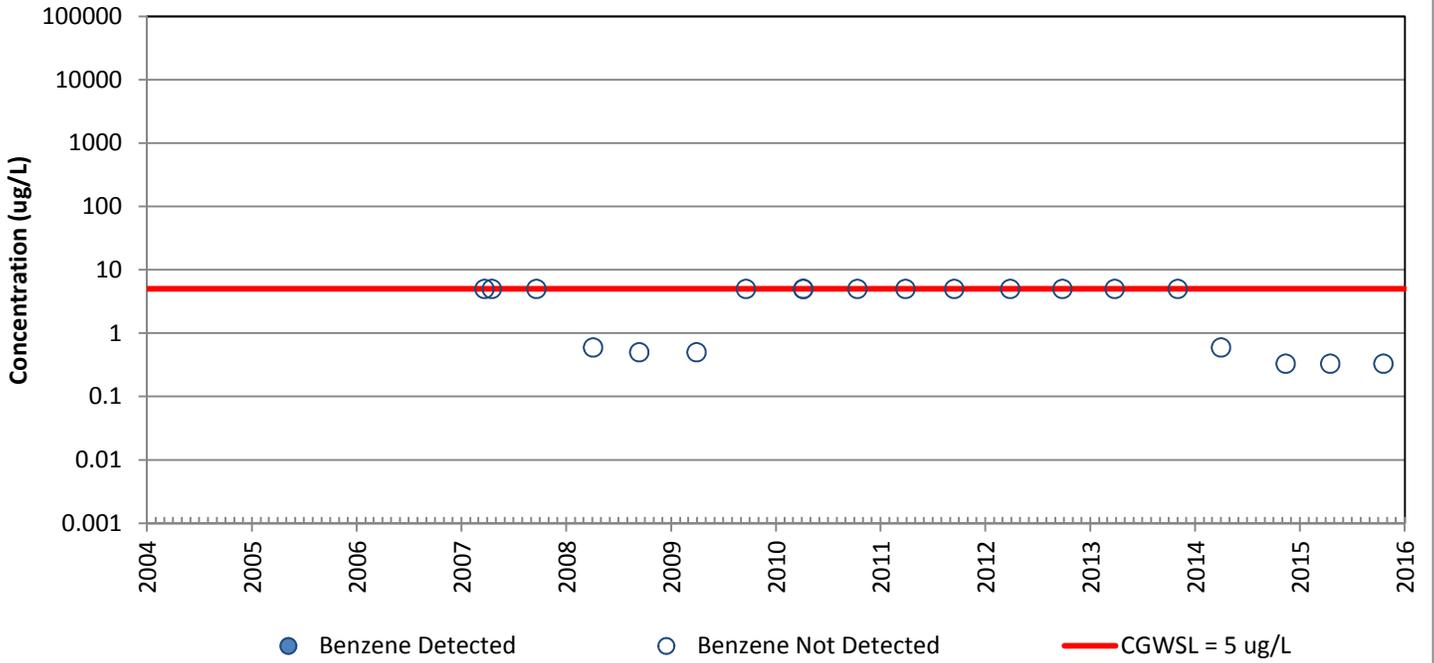


## DRO

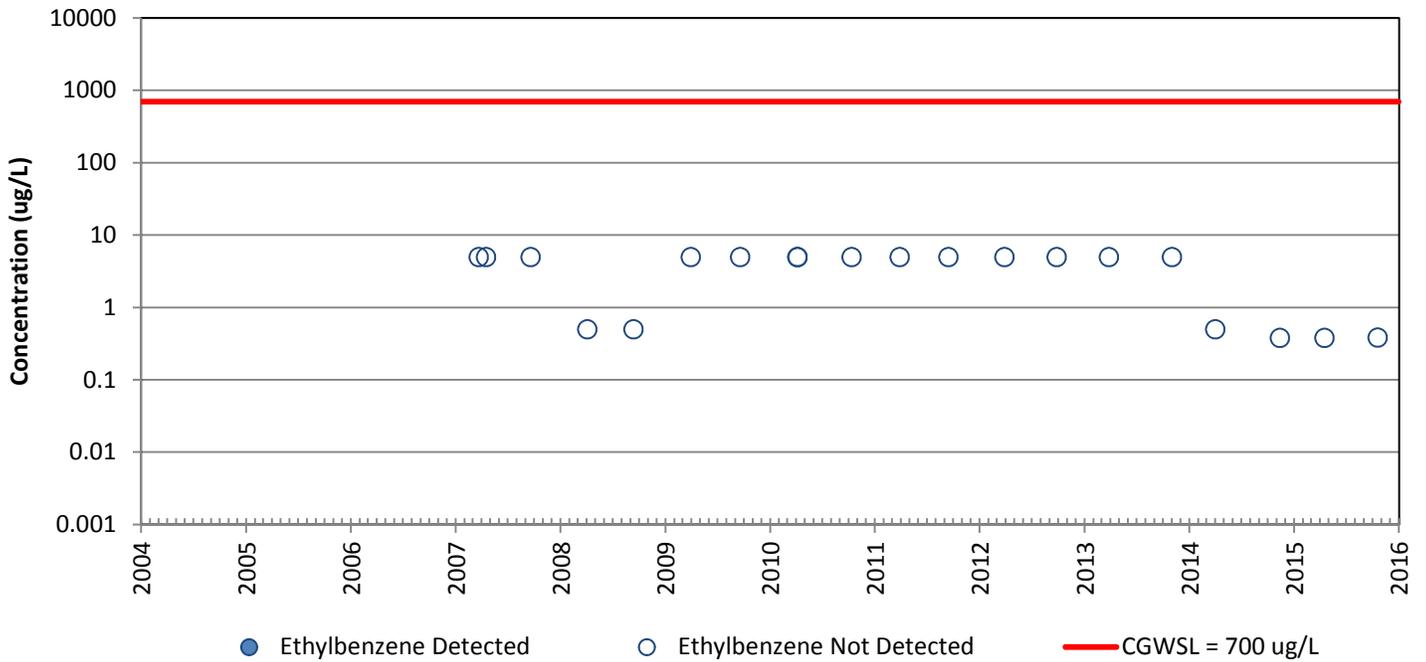


# MW-74

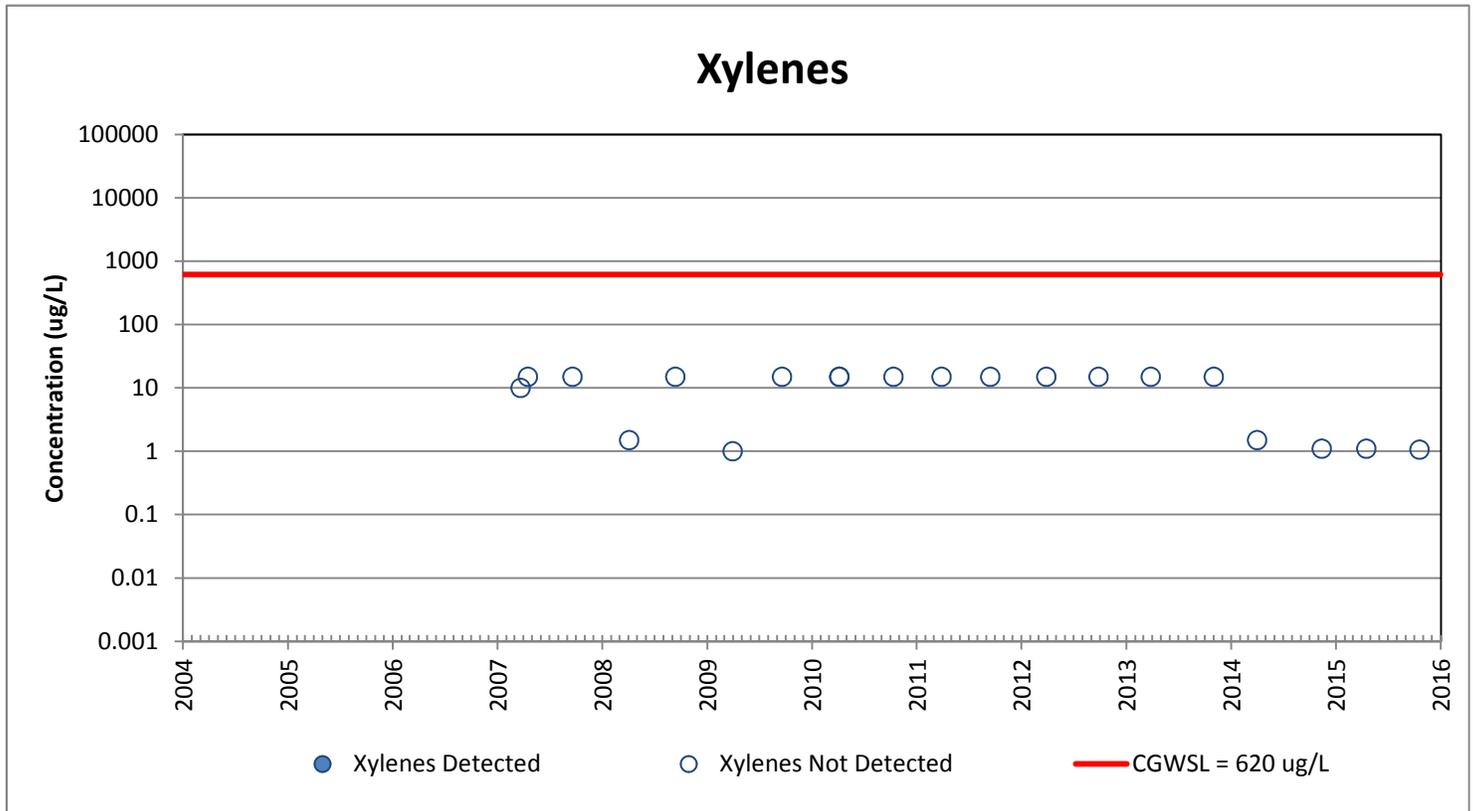
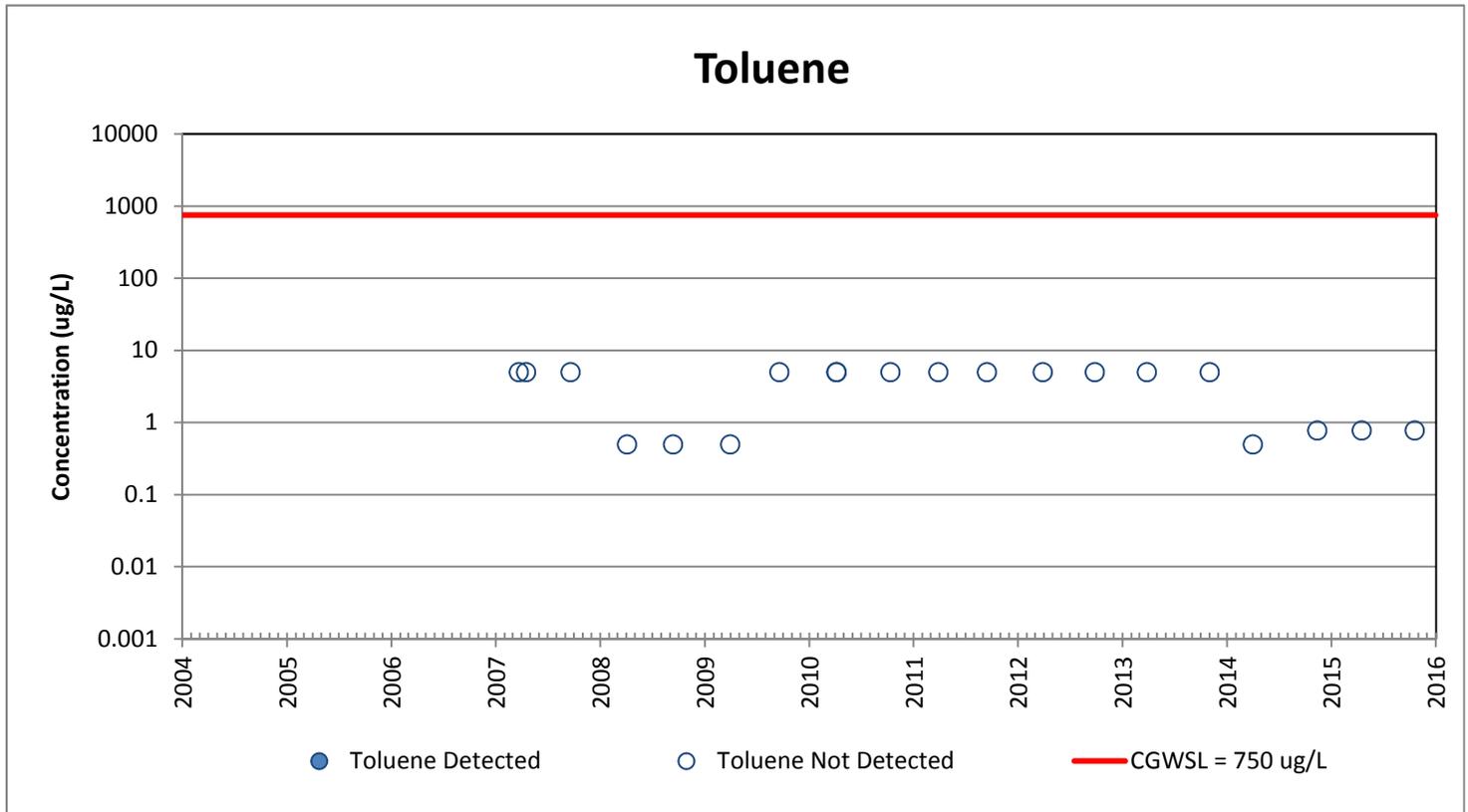
## Benzene



## Ethylbenzene

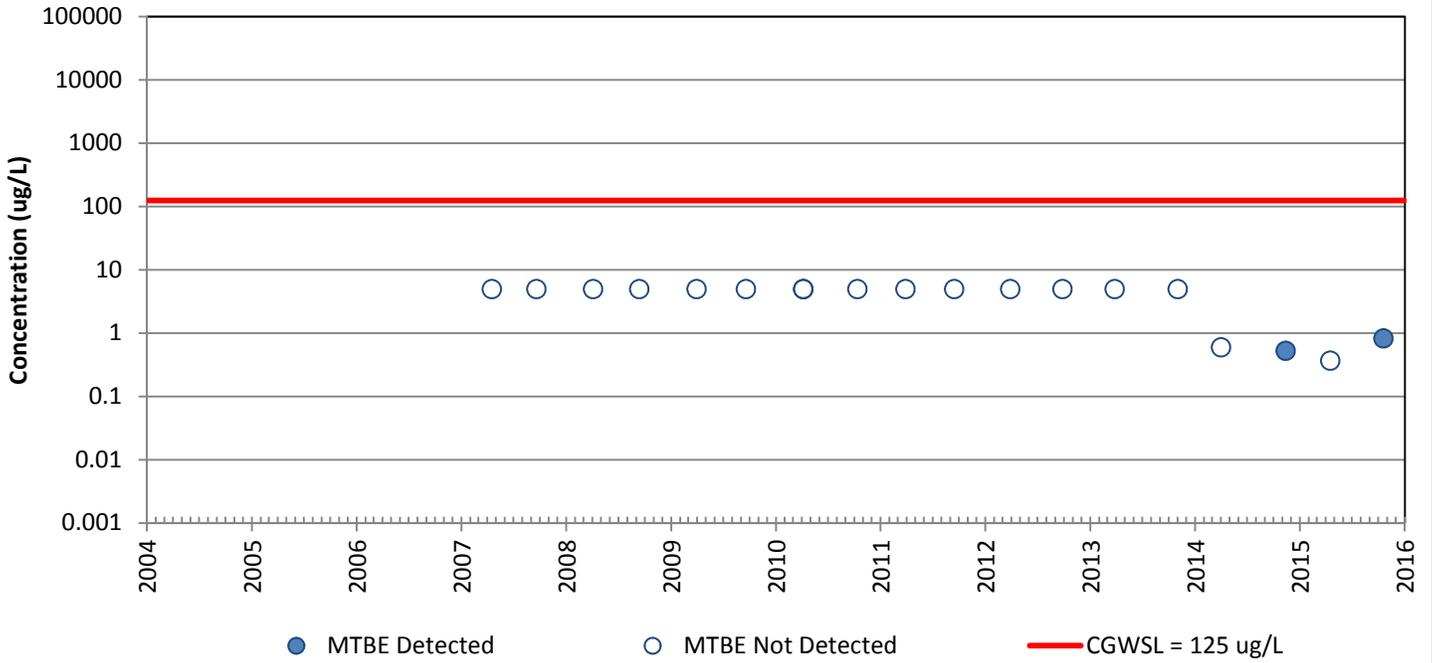


# MW-74

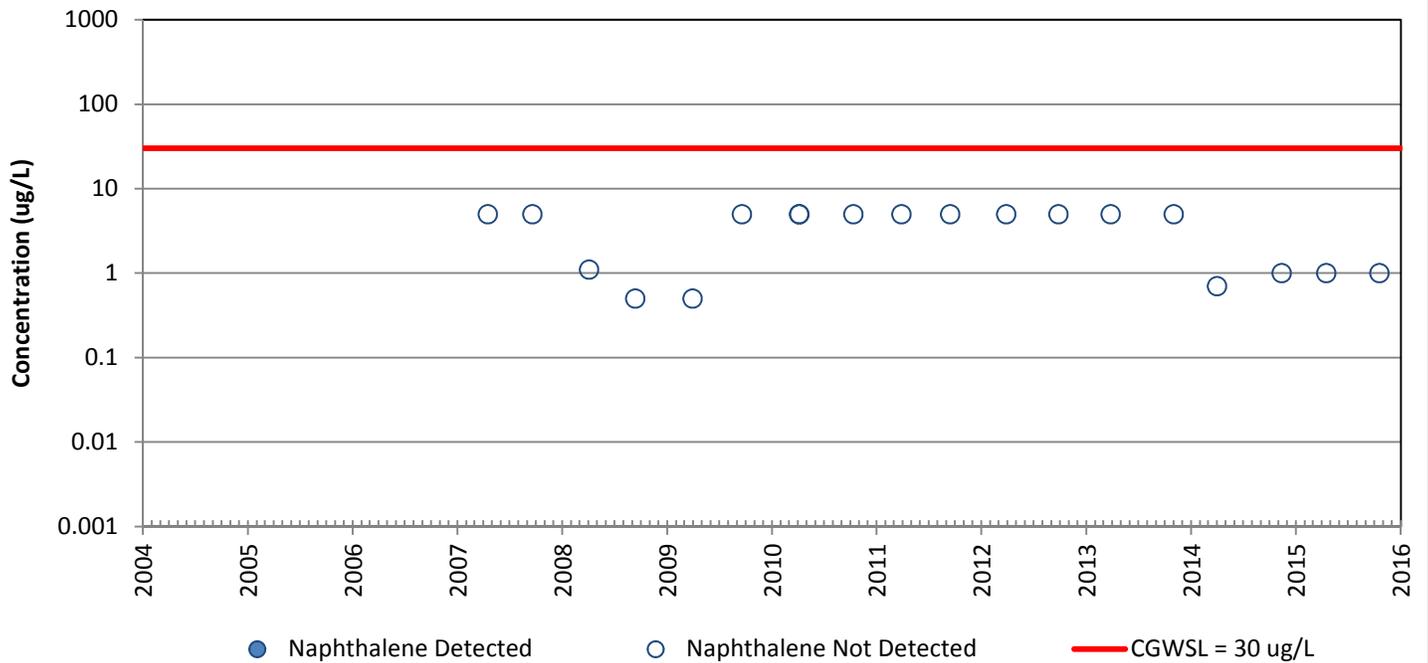


# MW-74

## MTBE

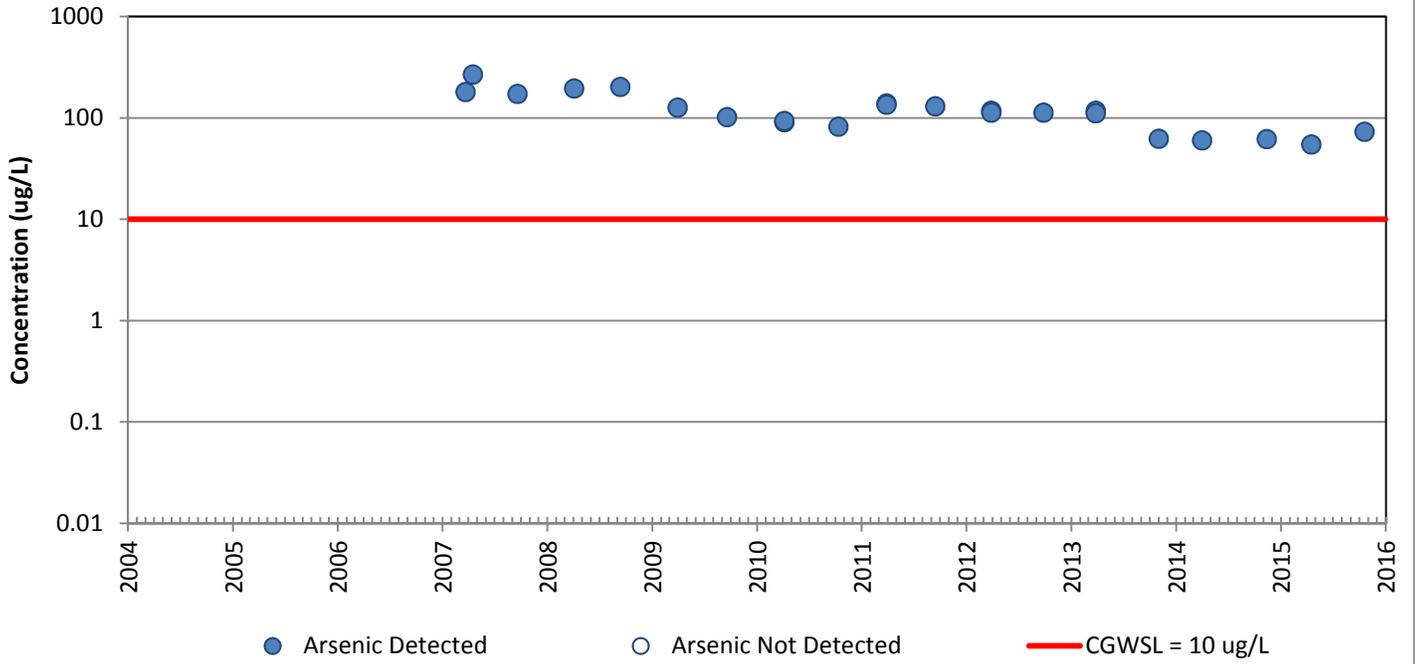


## Naphthalene

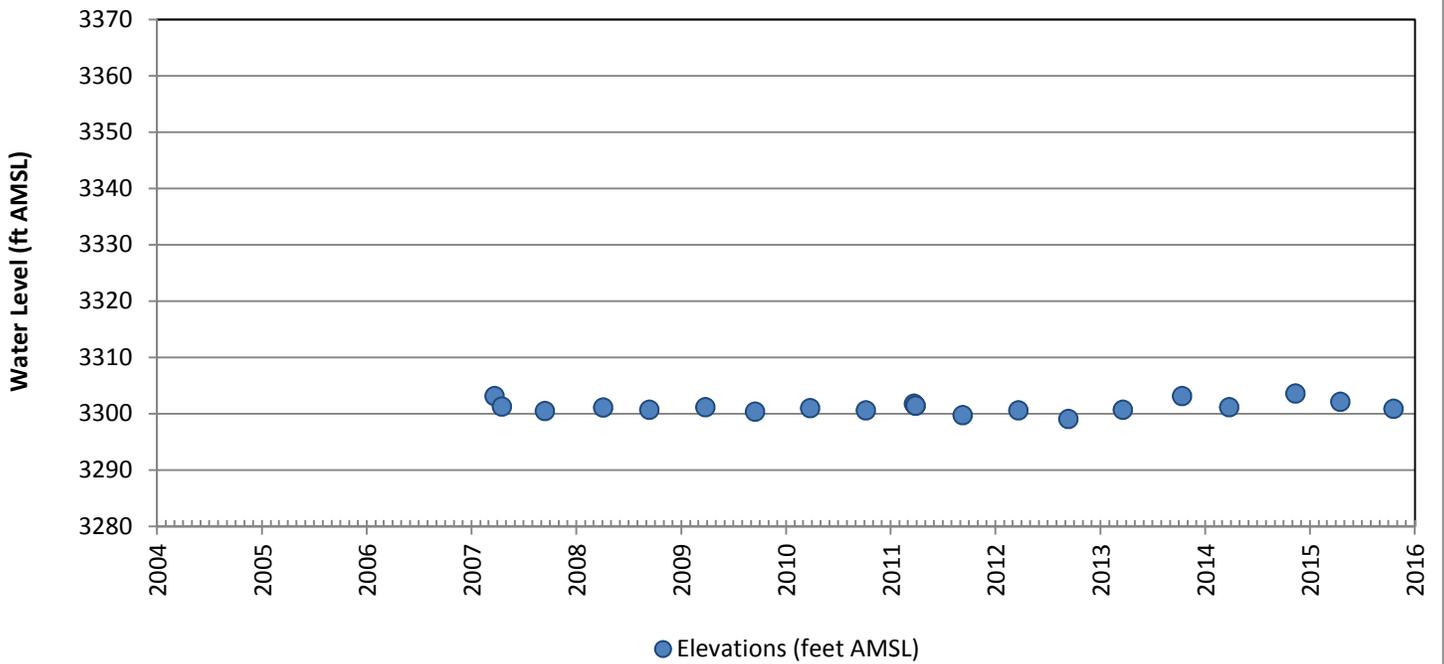


# MW-74

## Arsenic

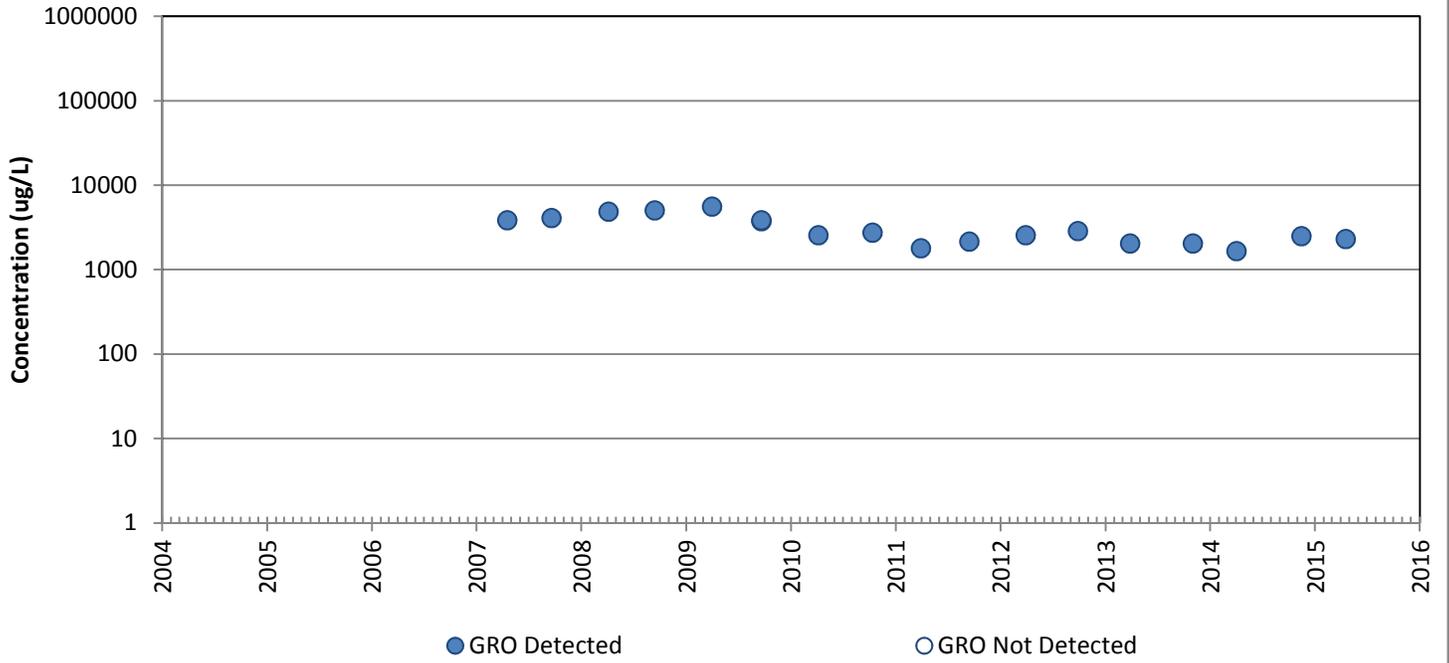


## Water Elevations

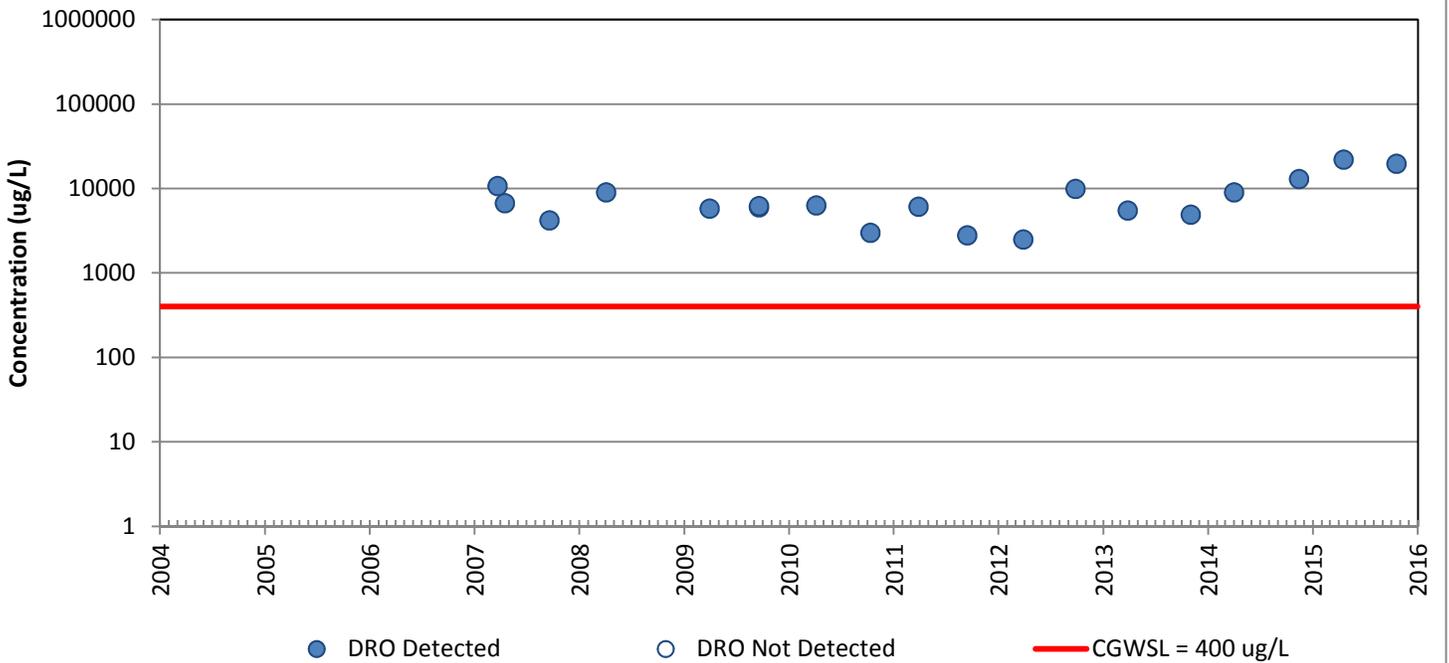


# MW-75

## GRO

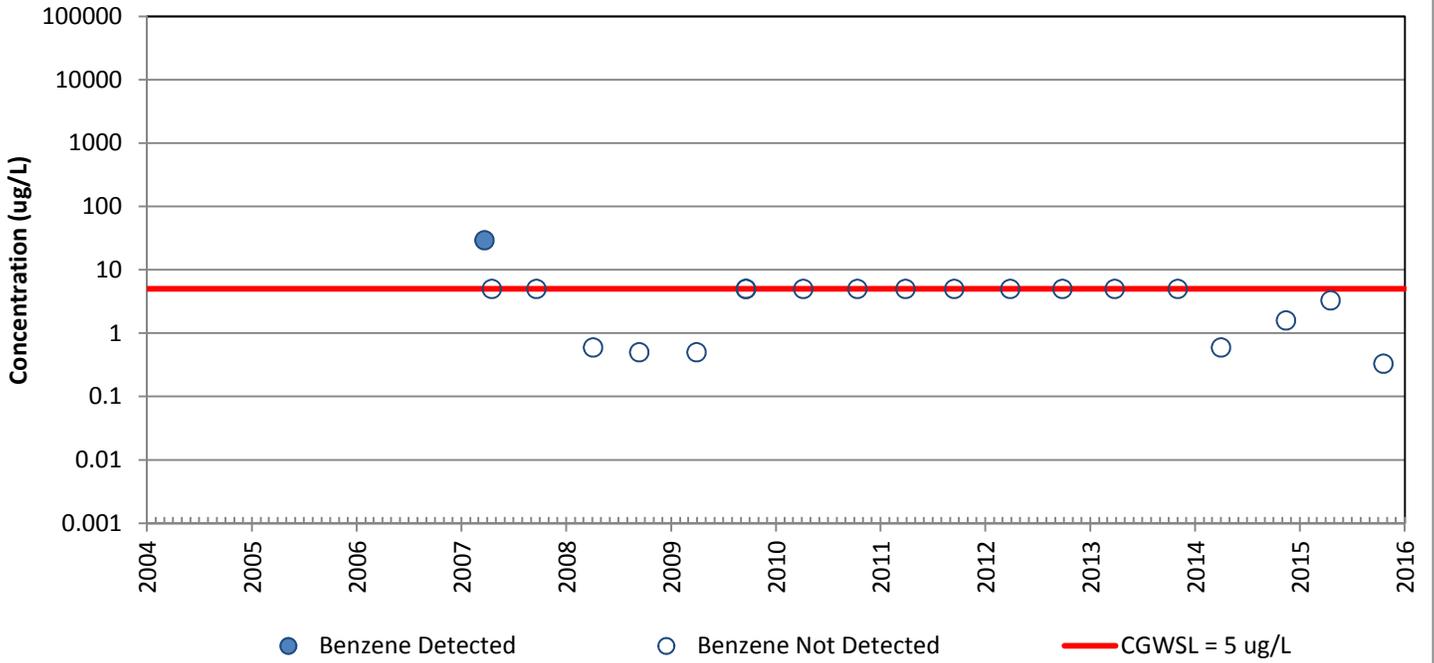


## DRO

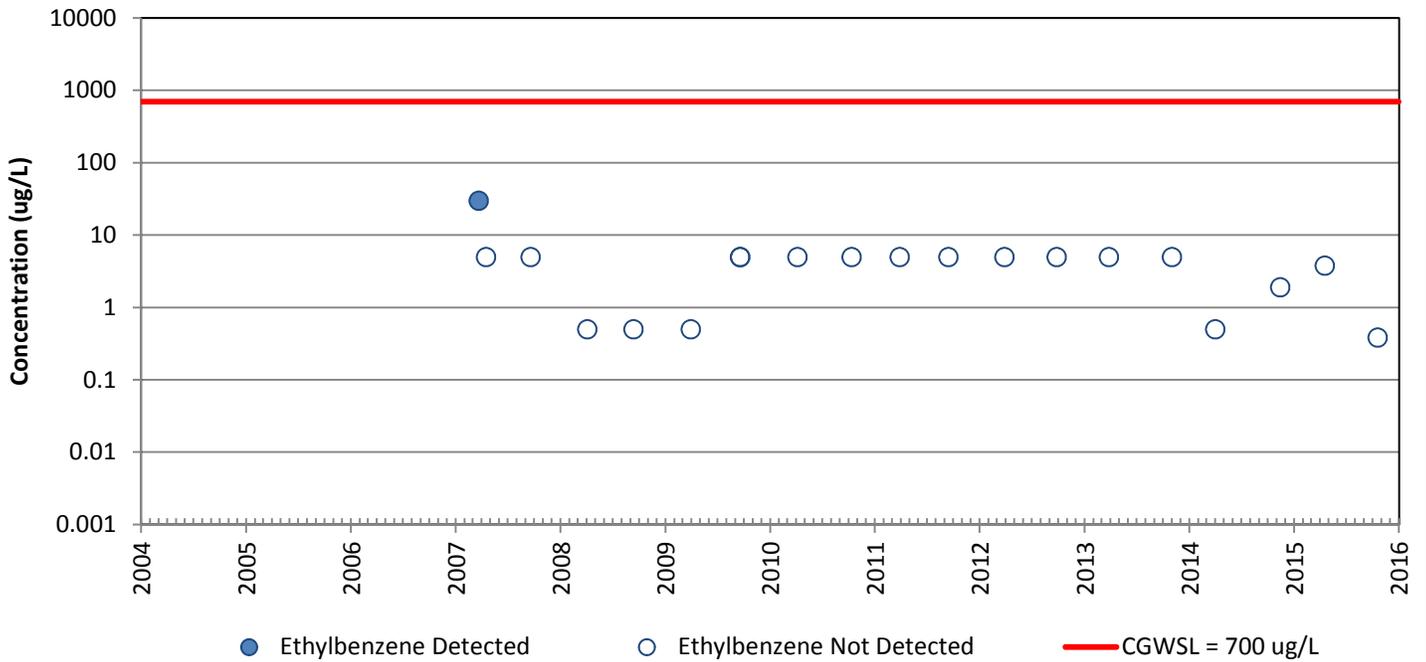


# MW-75

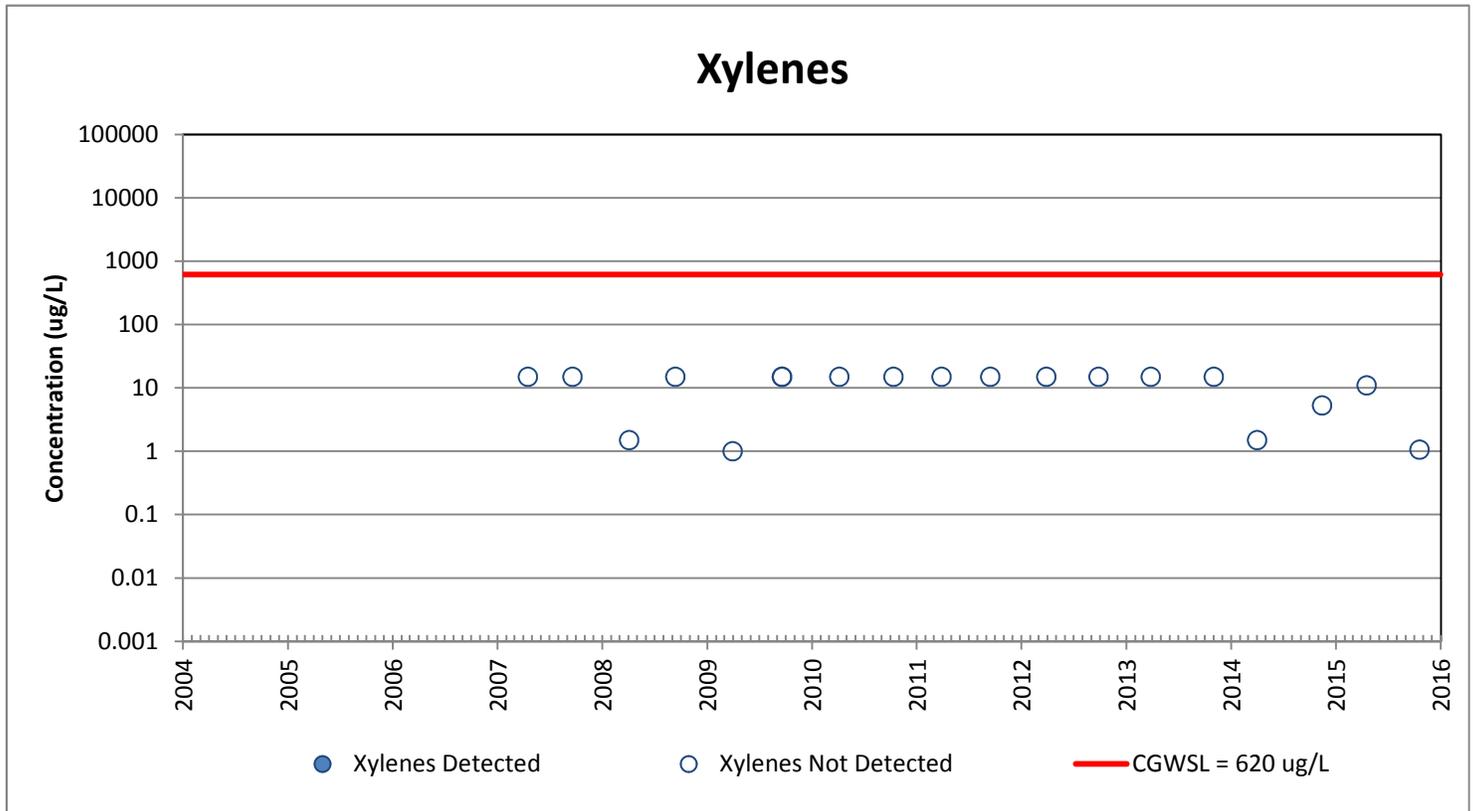
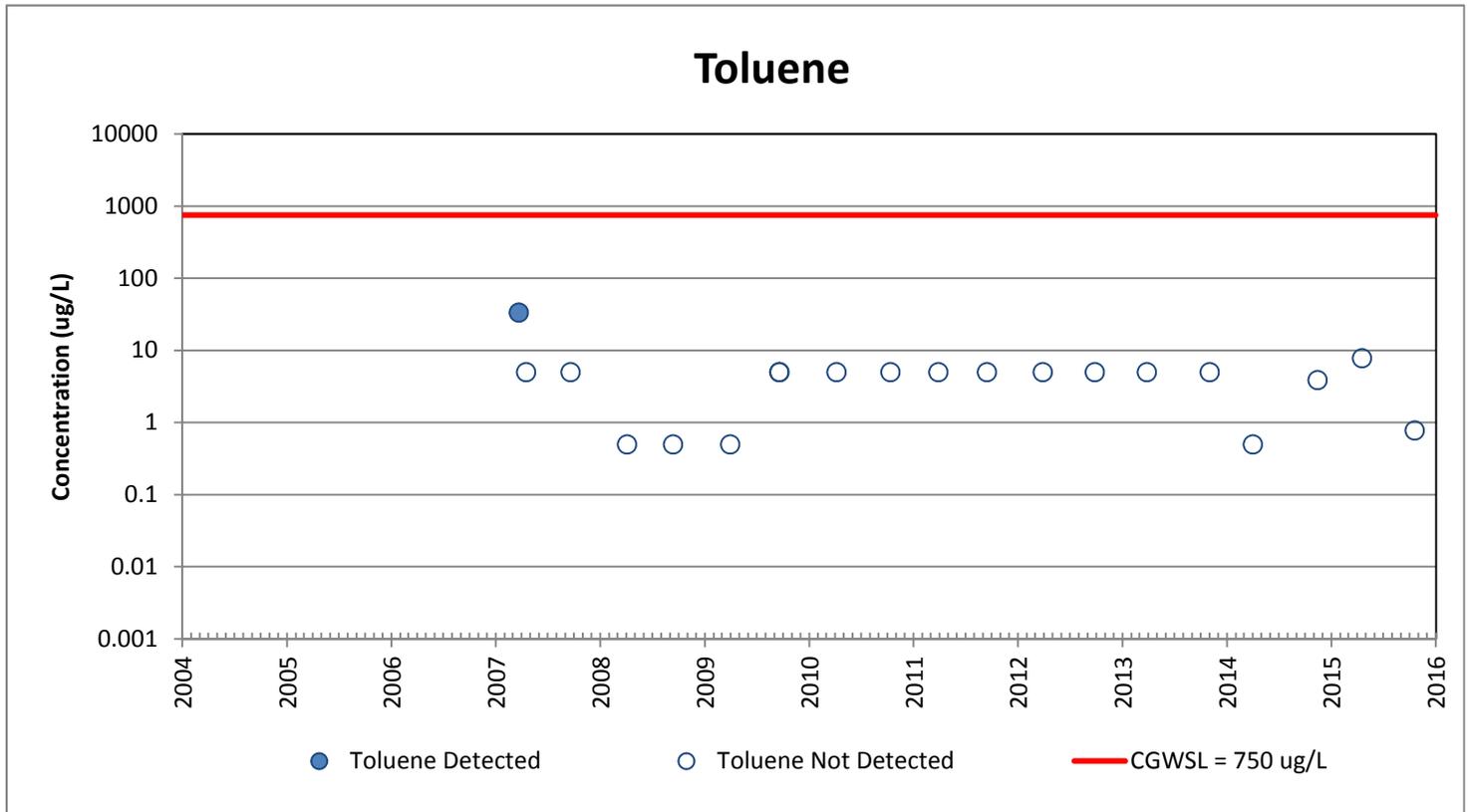
## Benzene



## Ethylbenzene

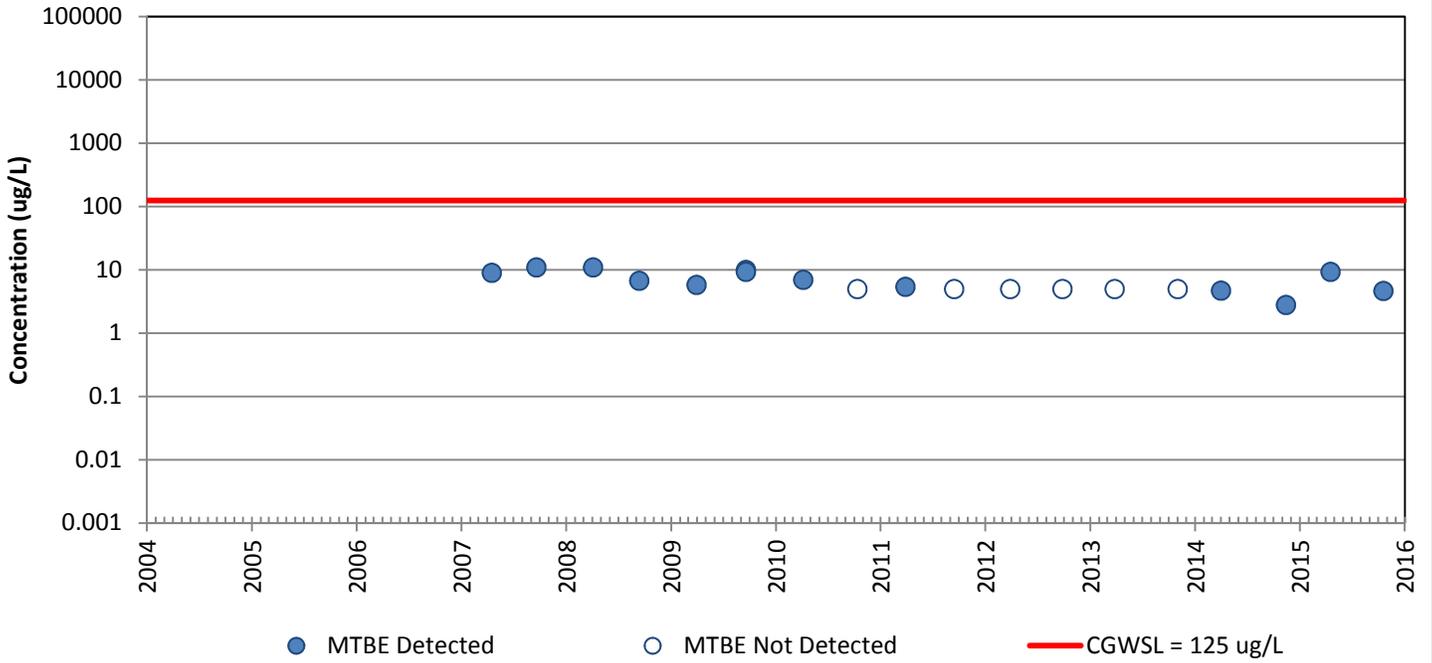


# MW-75

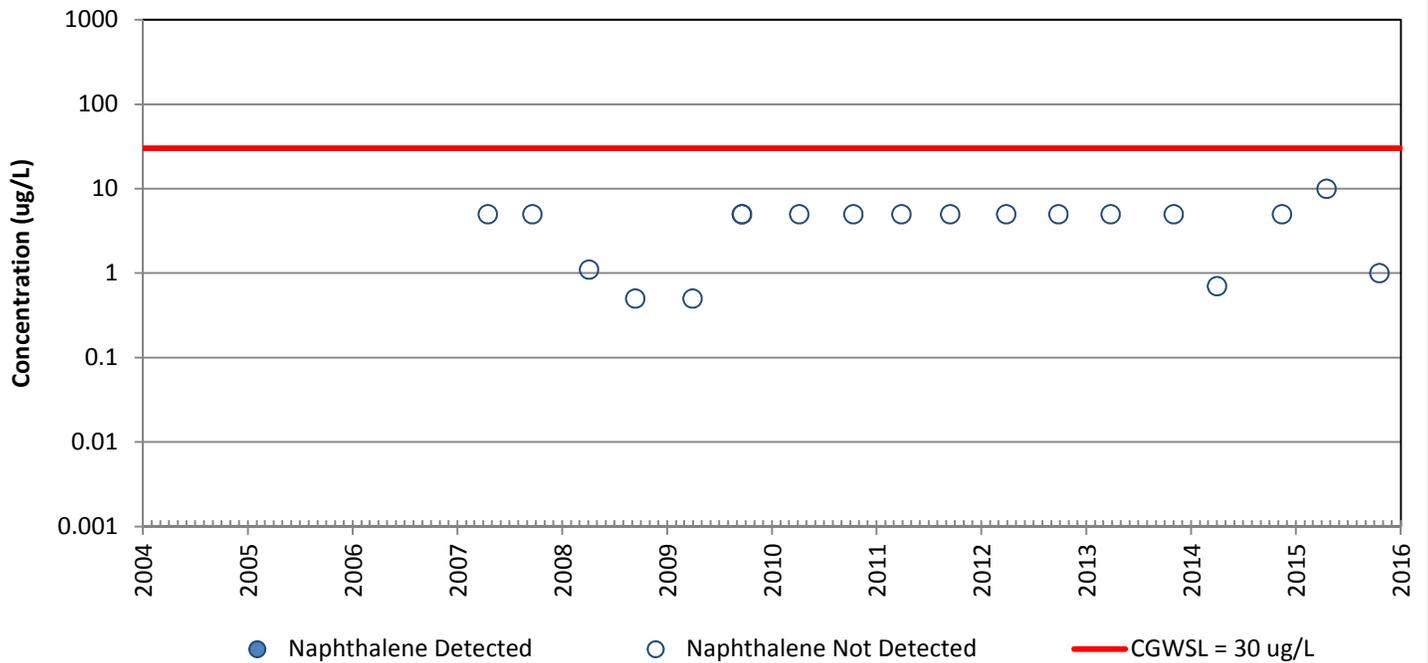


# MW-75

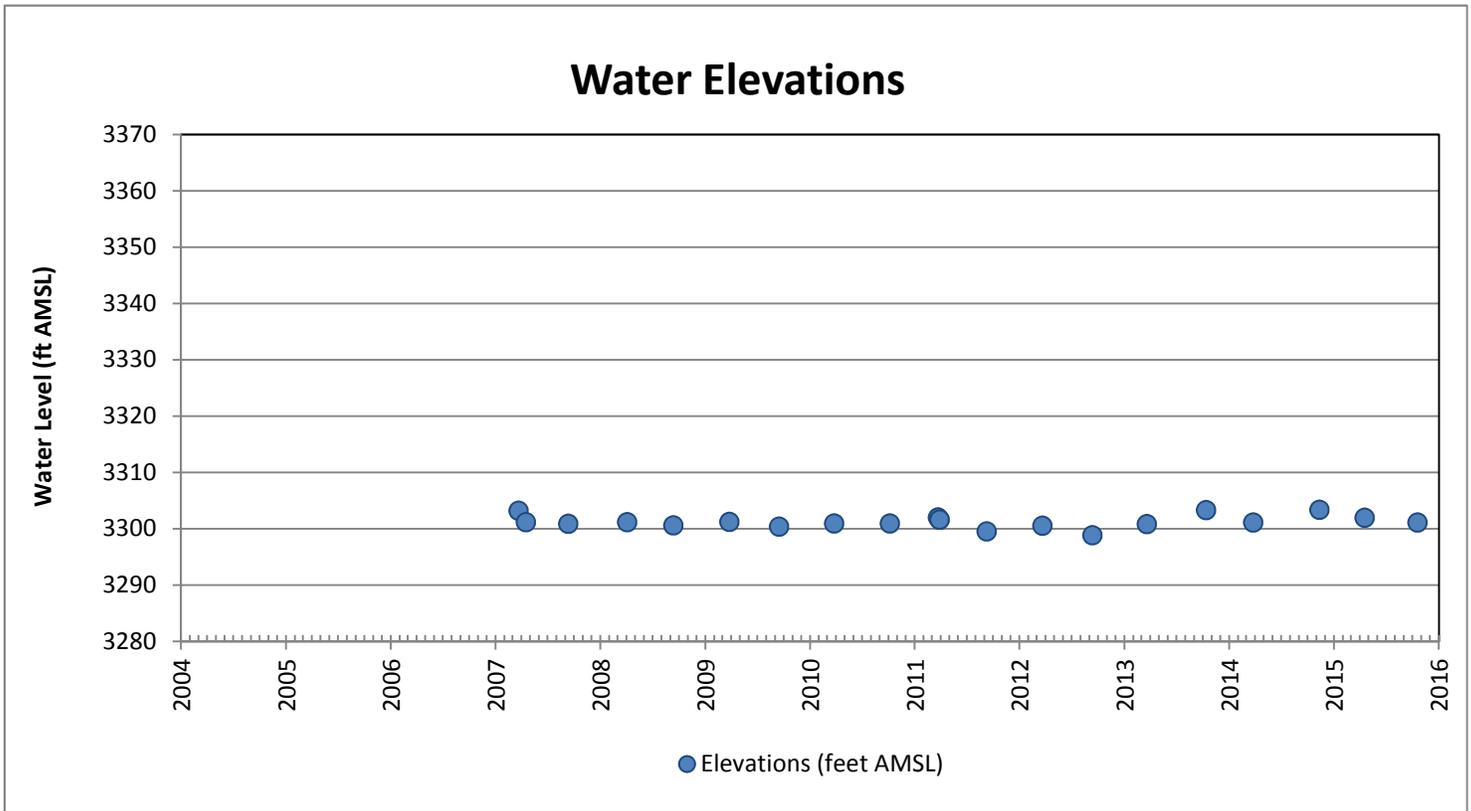
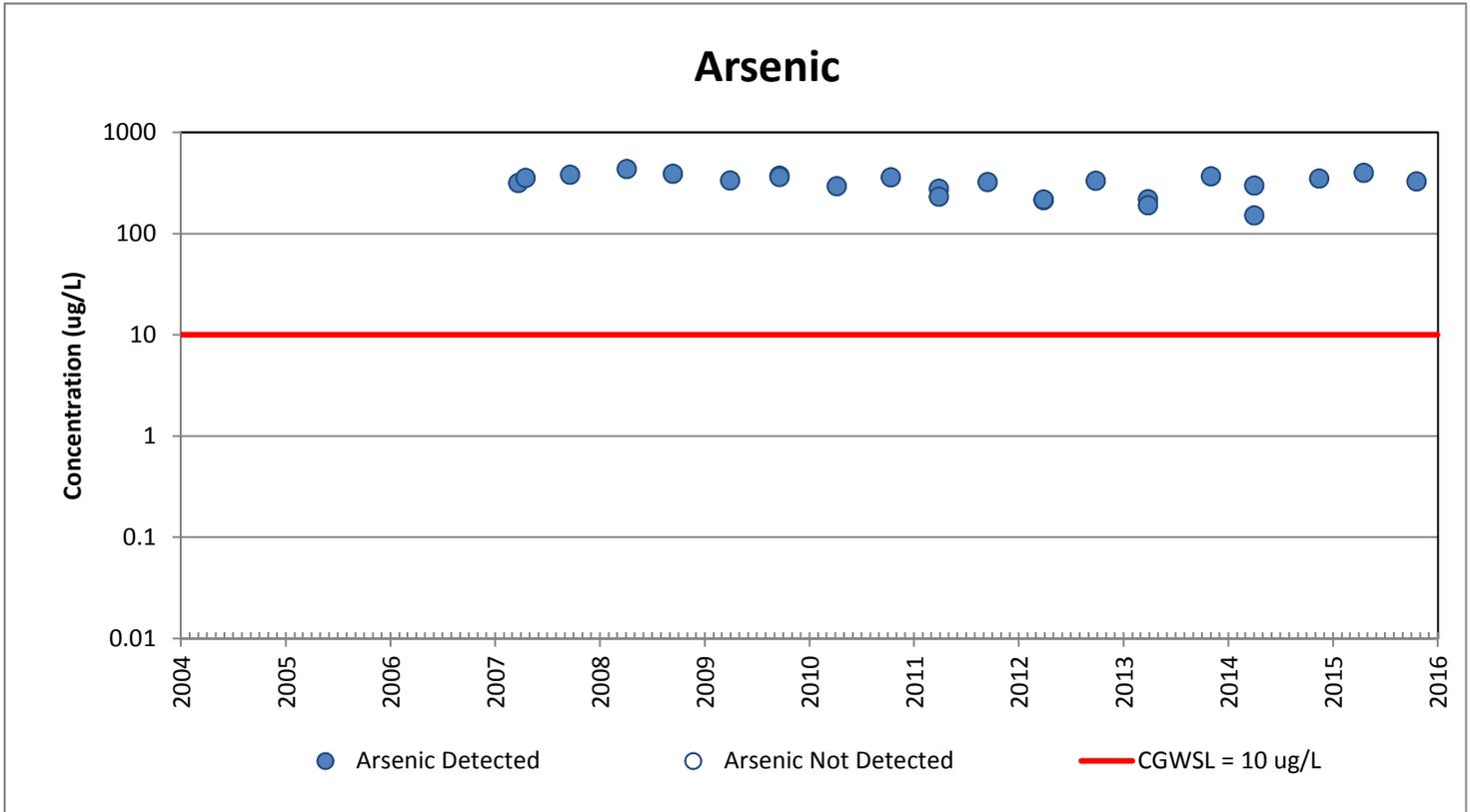
## MTBE



## Naphthalene

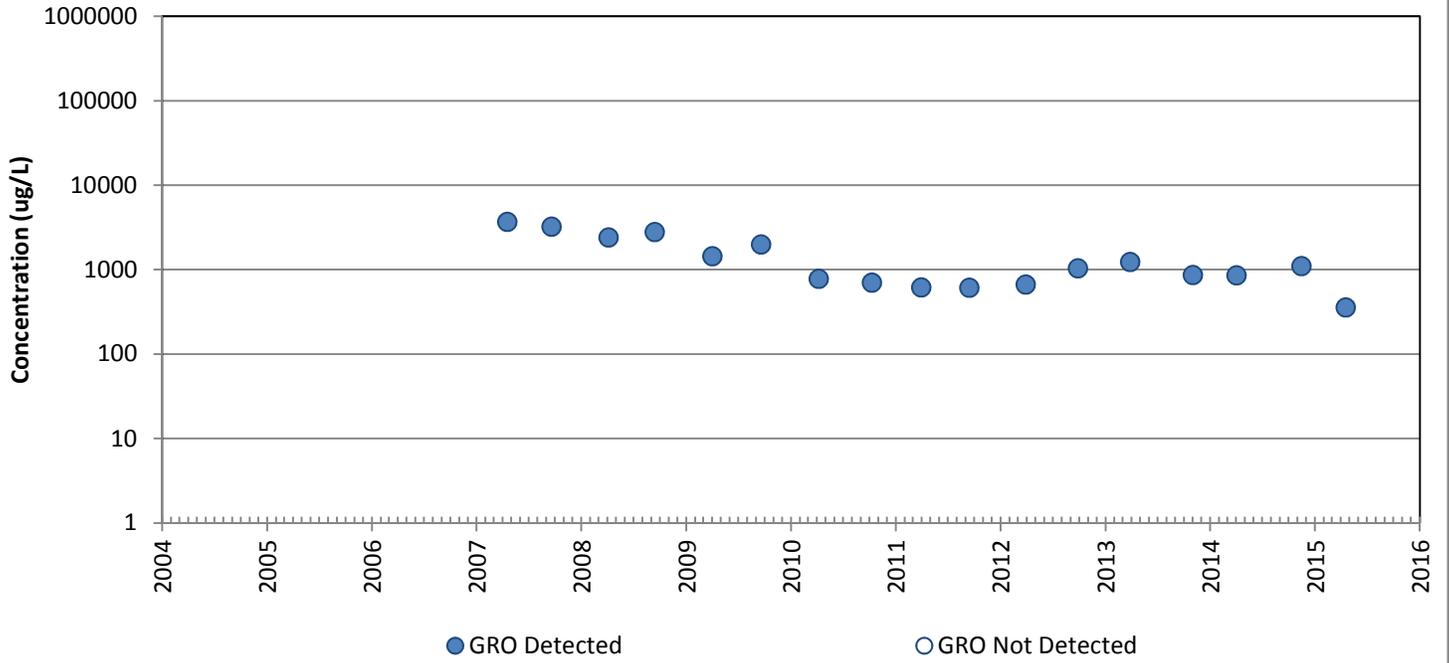


# MW-75

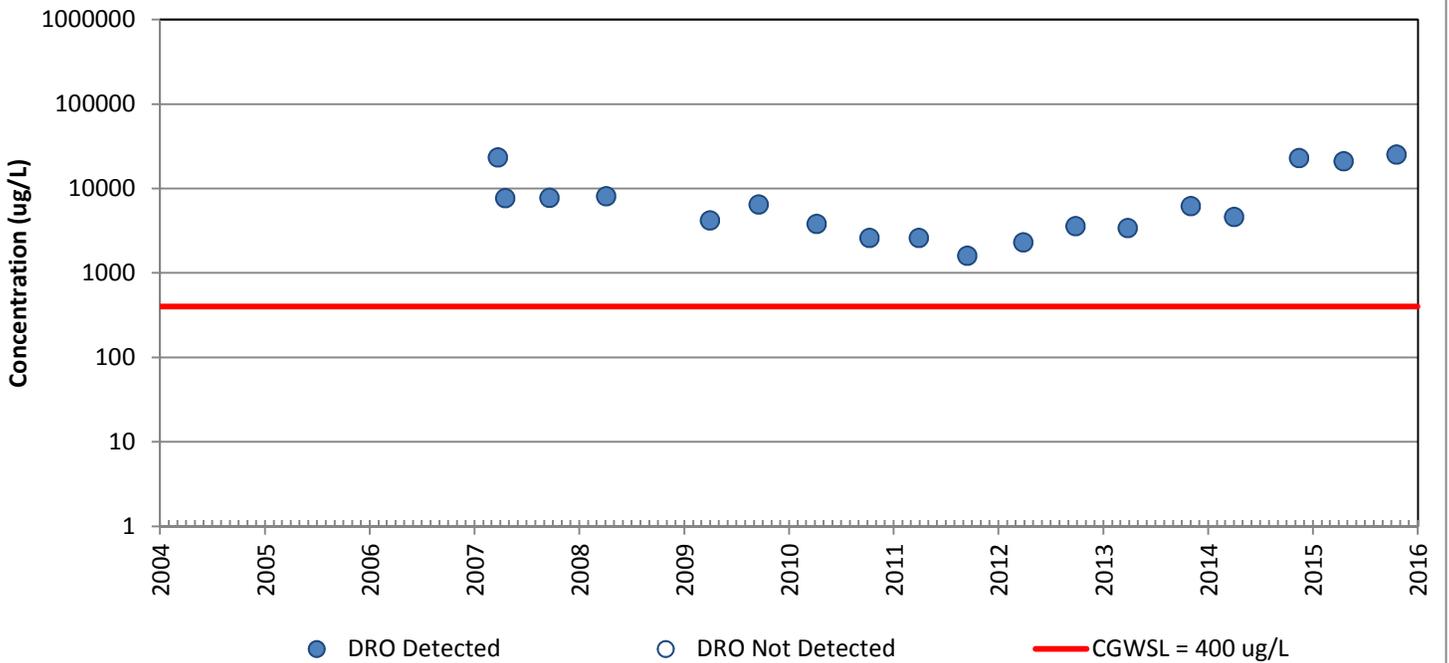


# MW-76

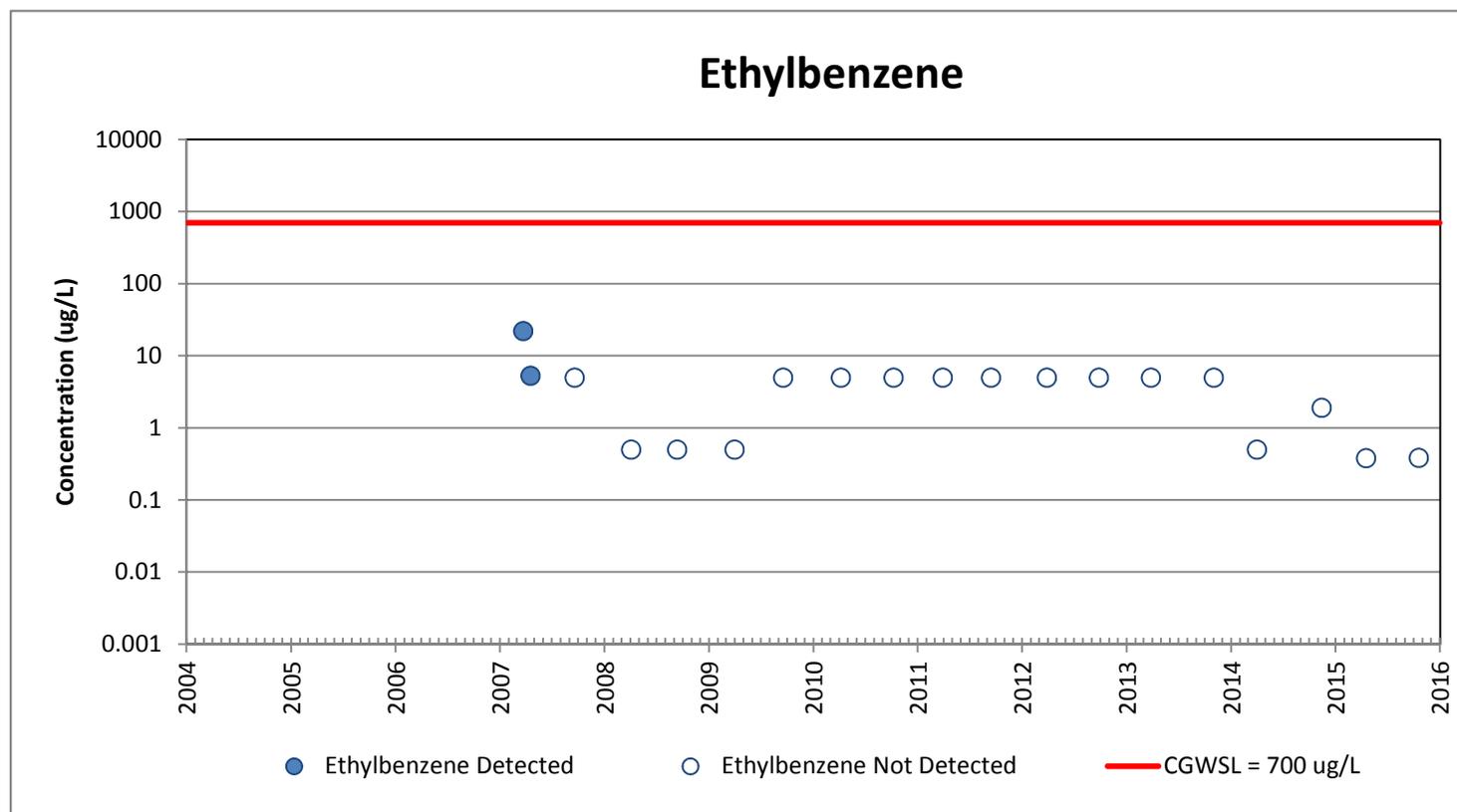
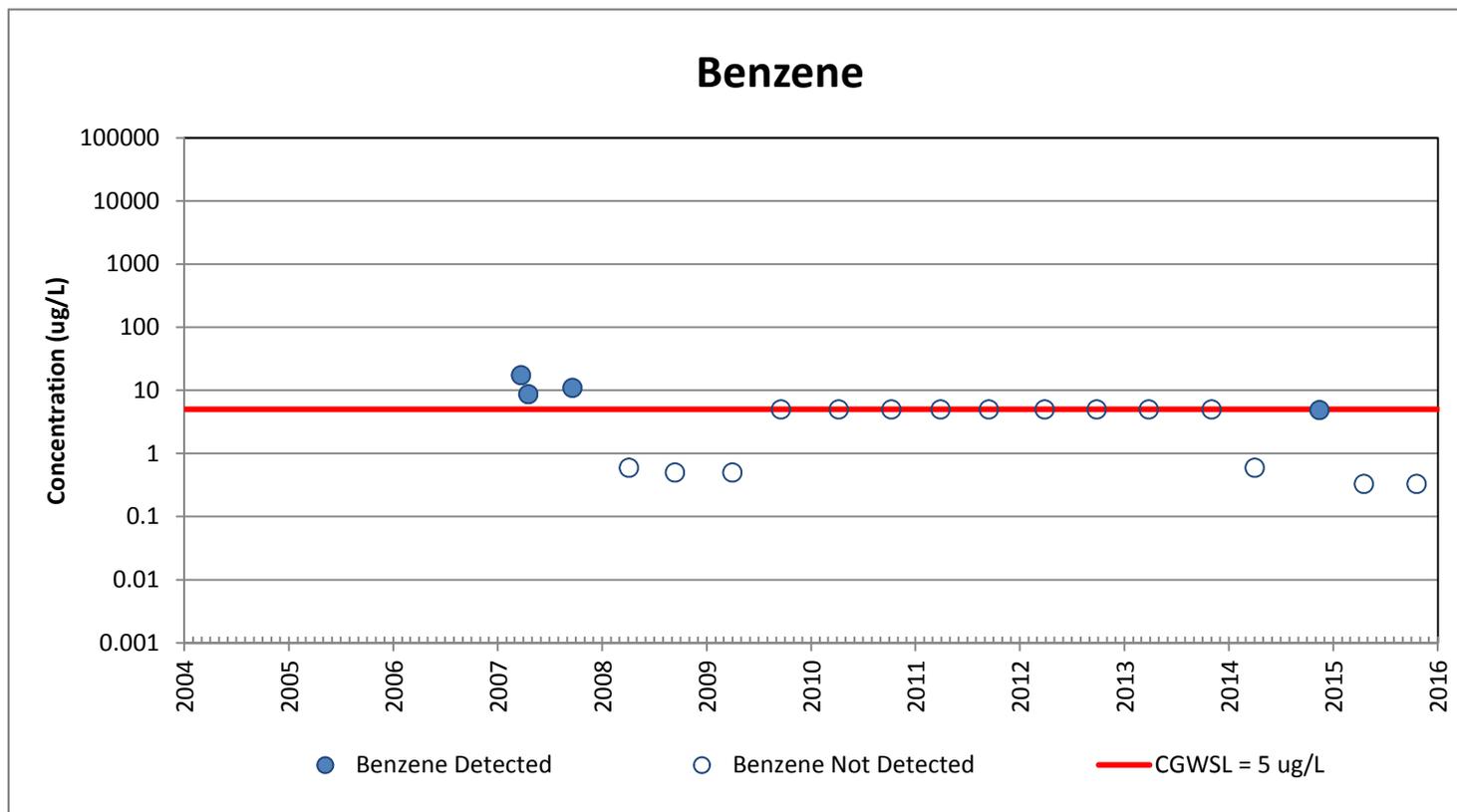
## GRO



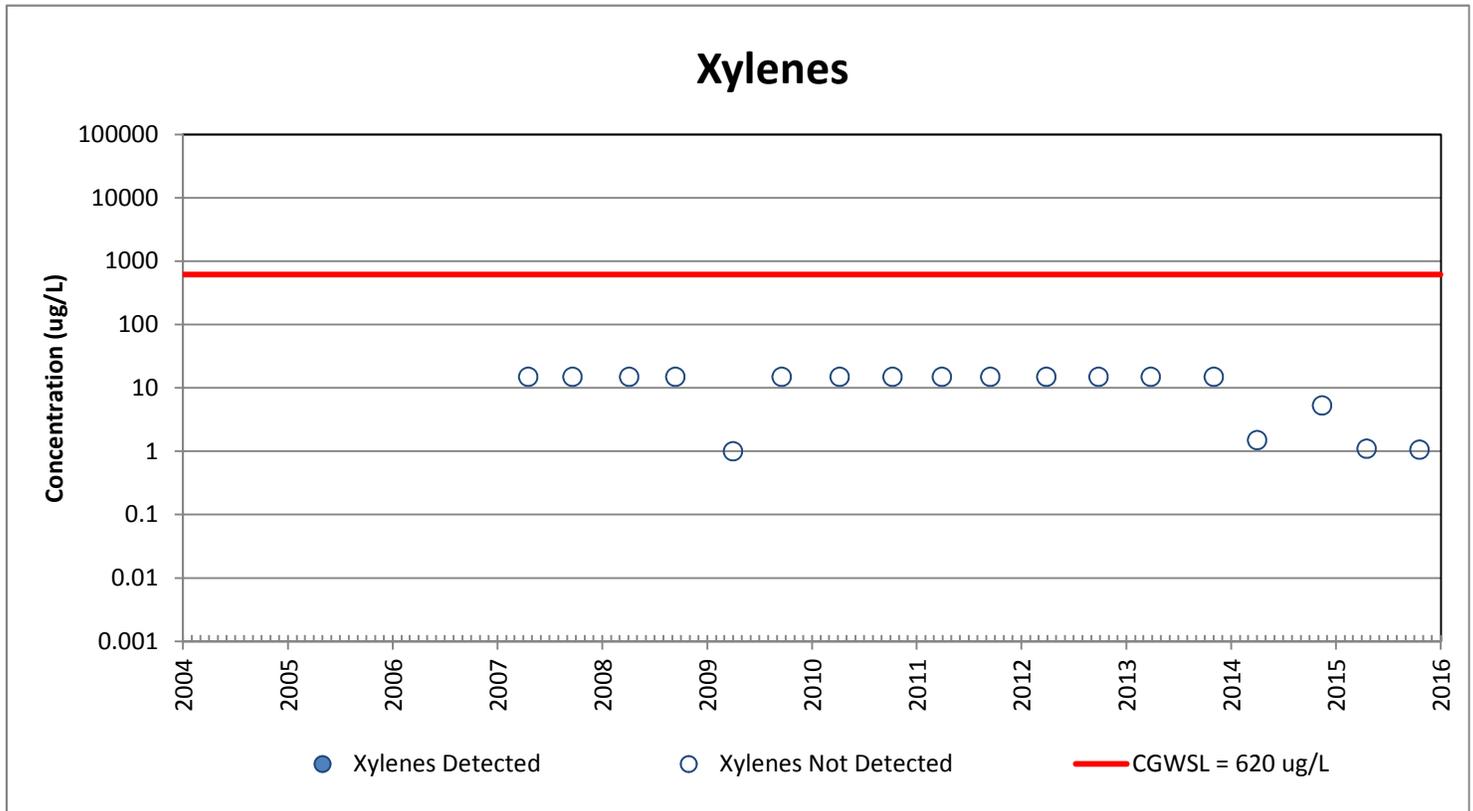
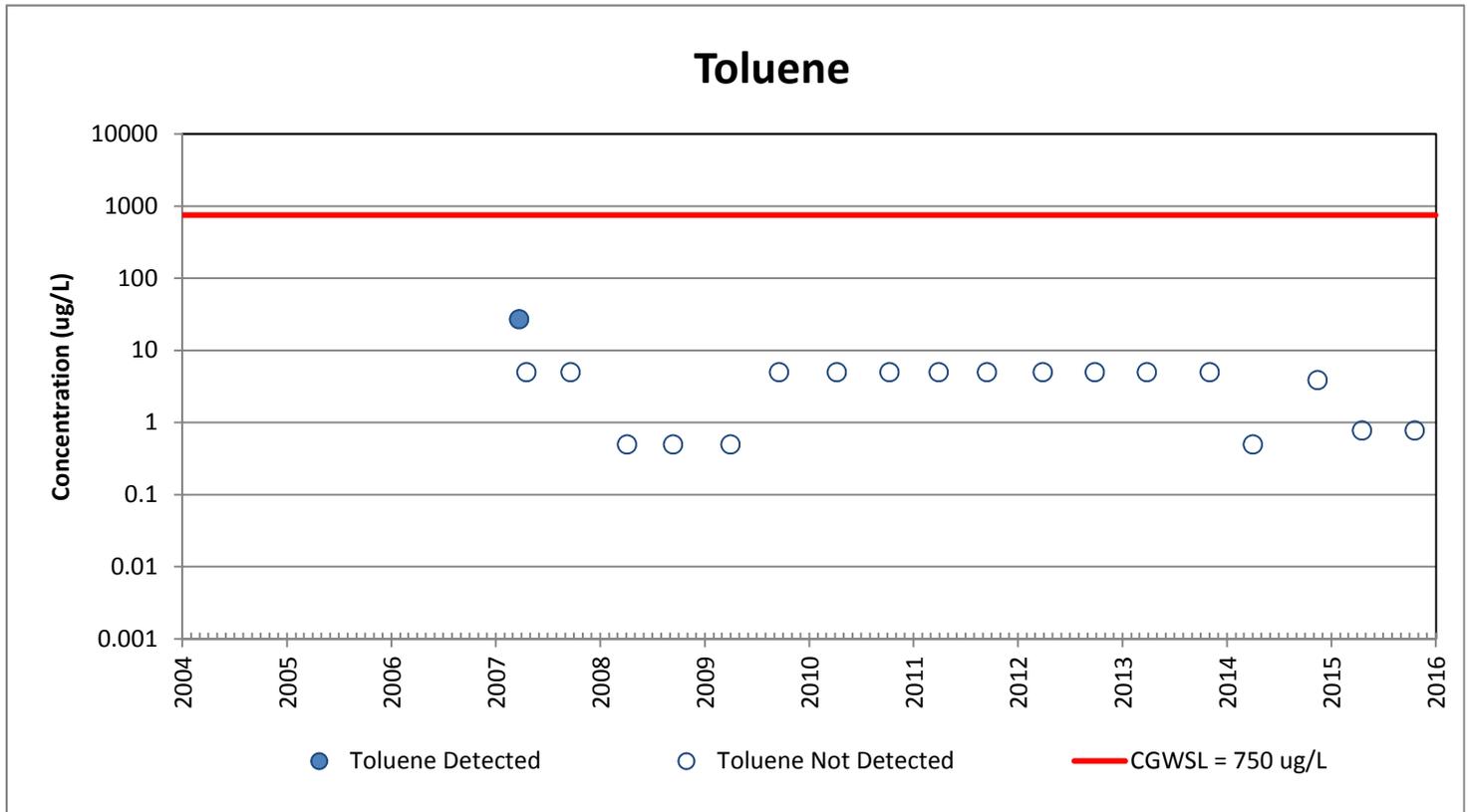
## DRO



# MW-76

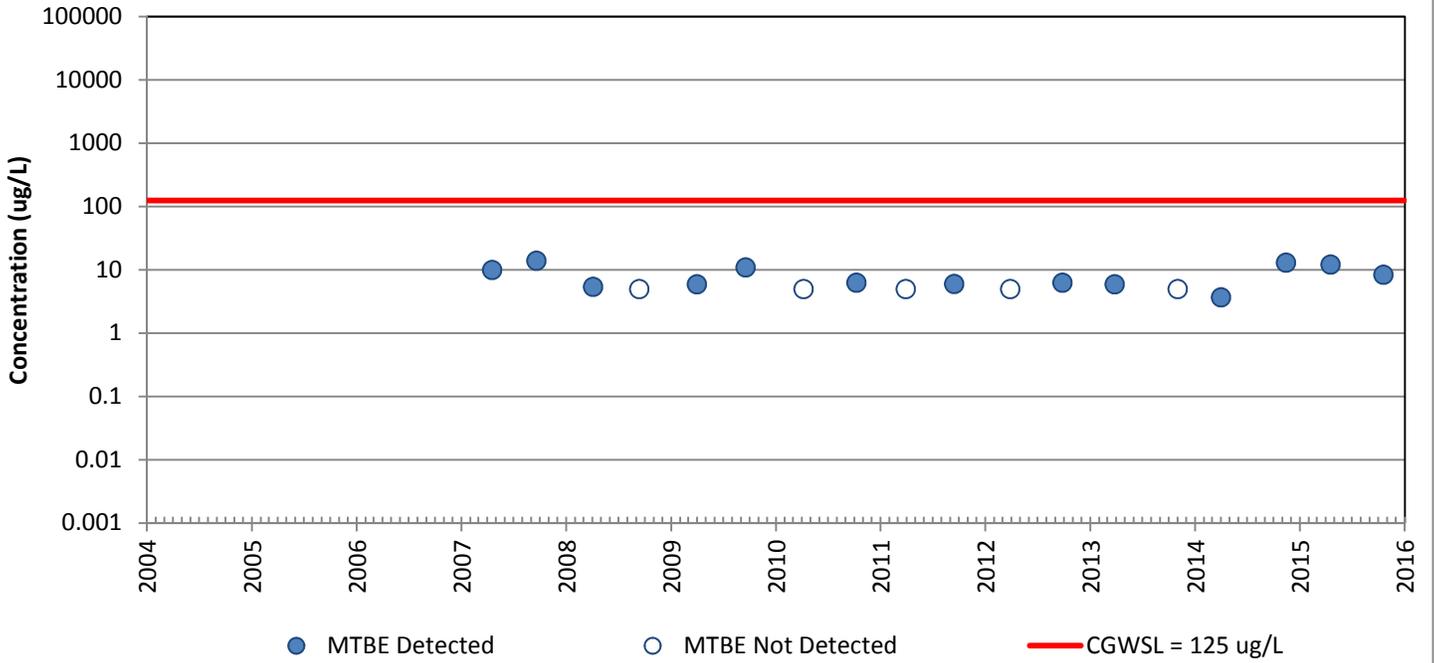


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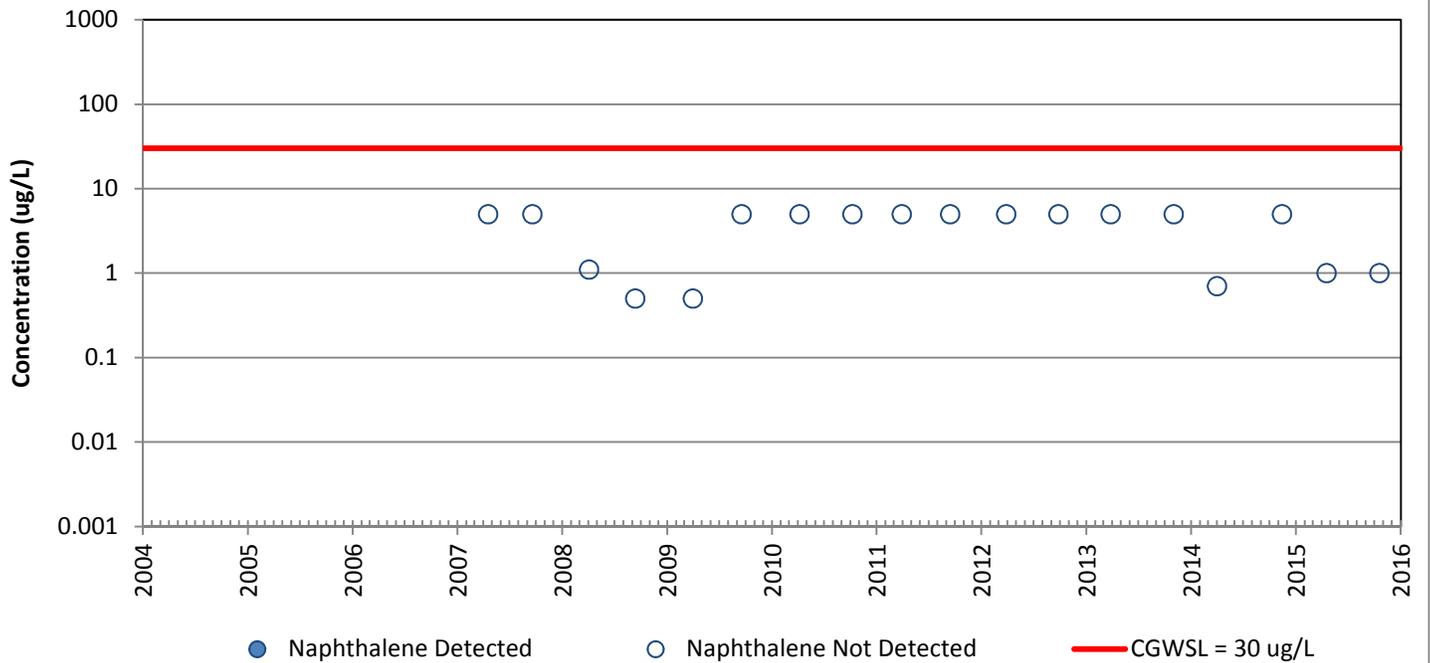


# MW-76

## MTBE

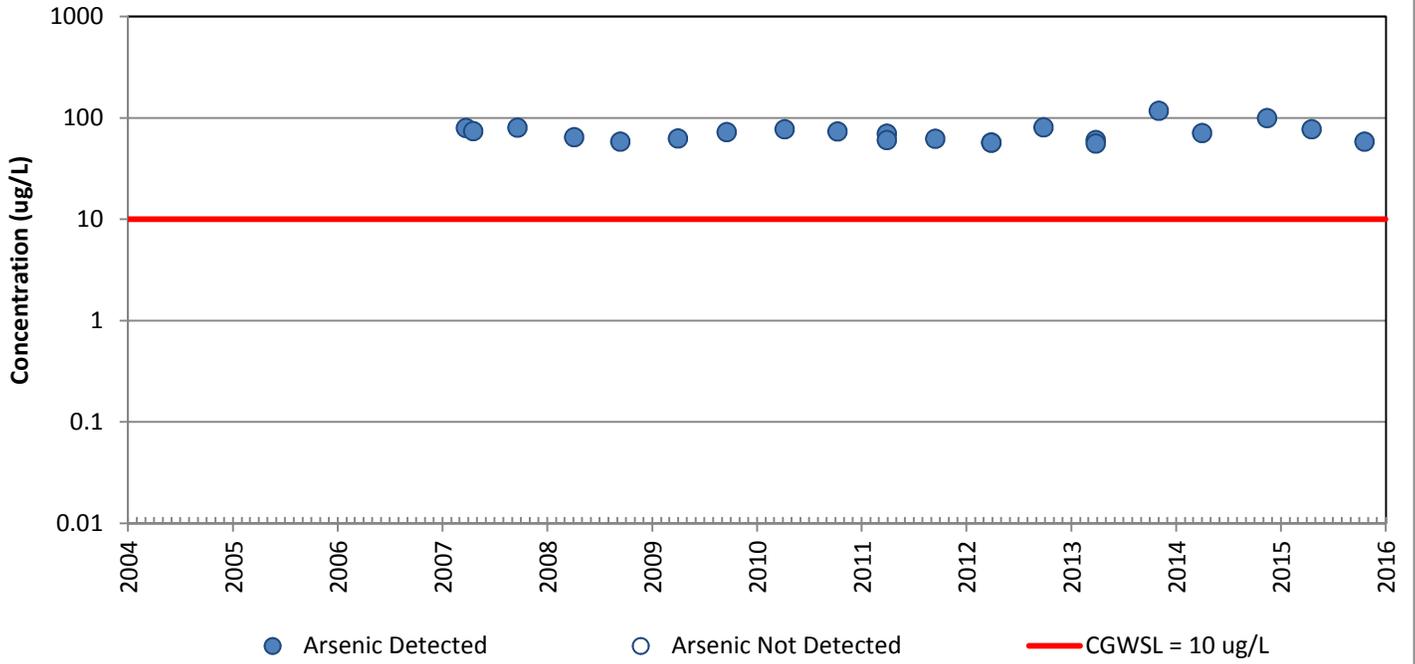


## Naphthalene

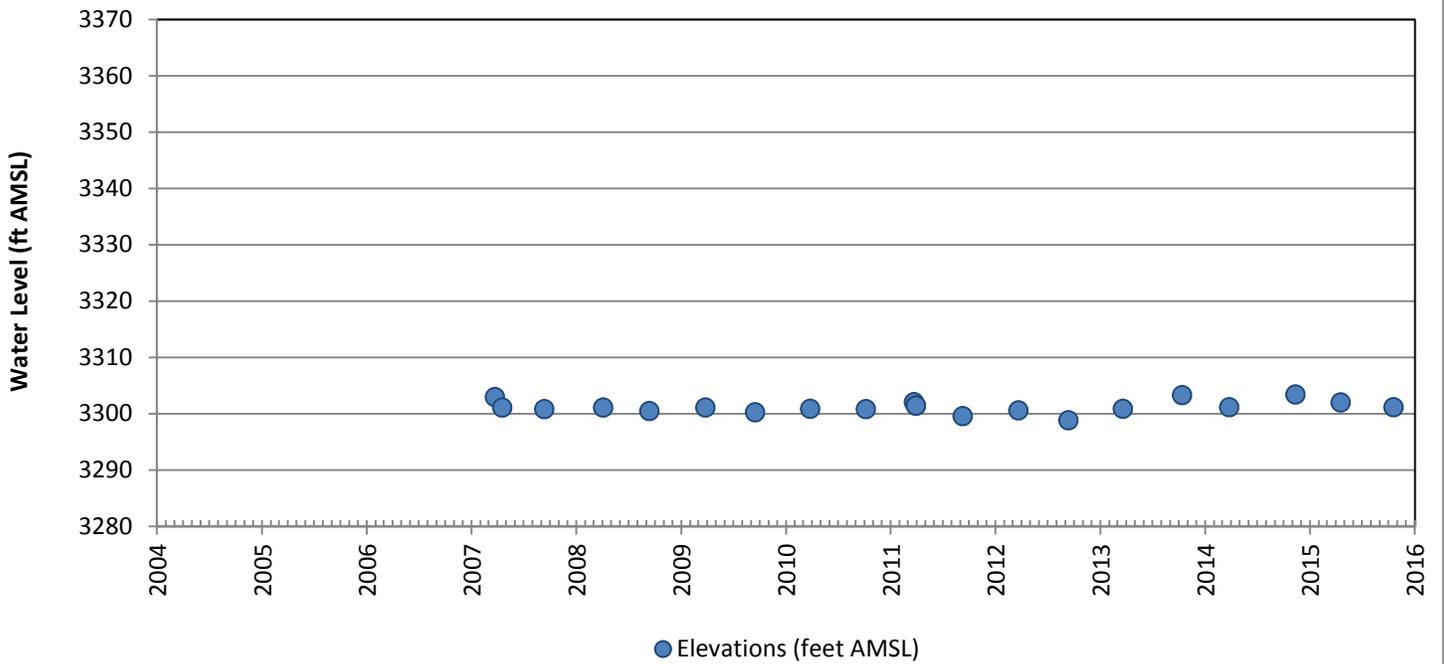


# MW-76

## Arsenic

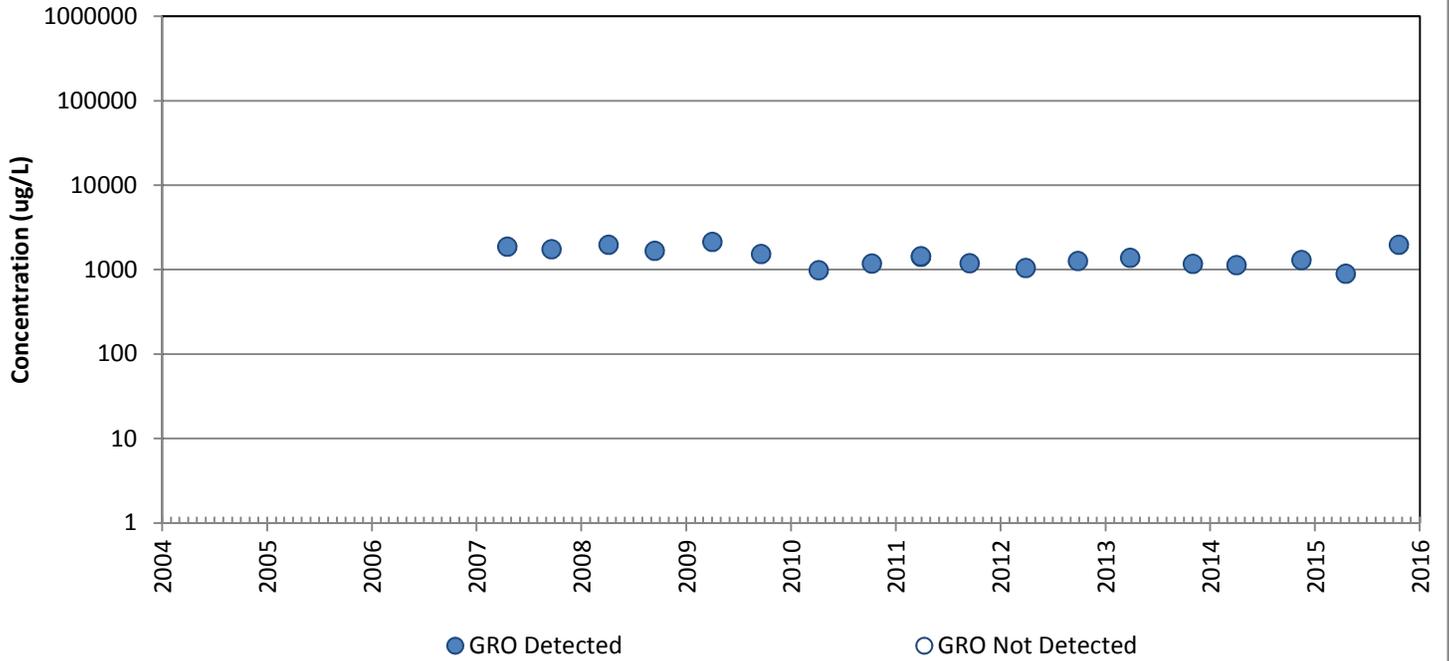


## Water Elevations

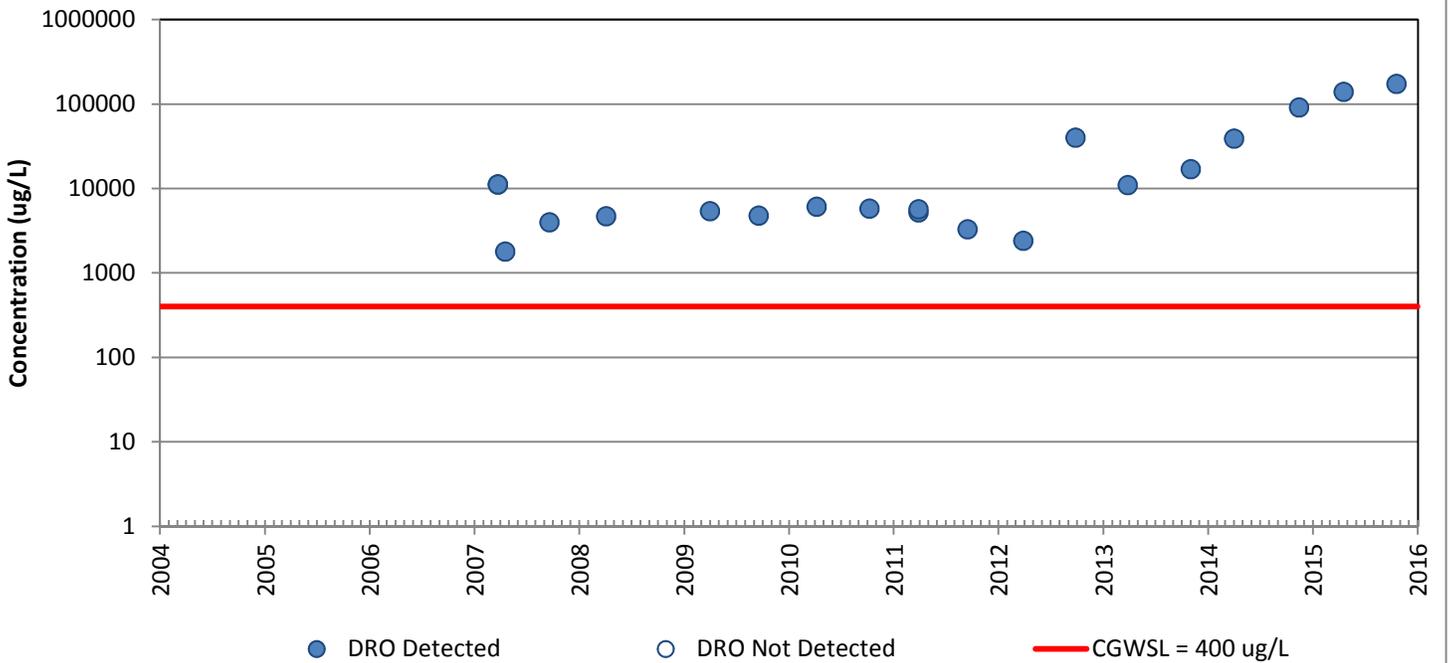


# MW-77

## GRO

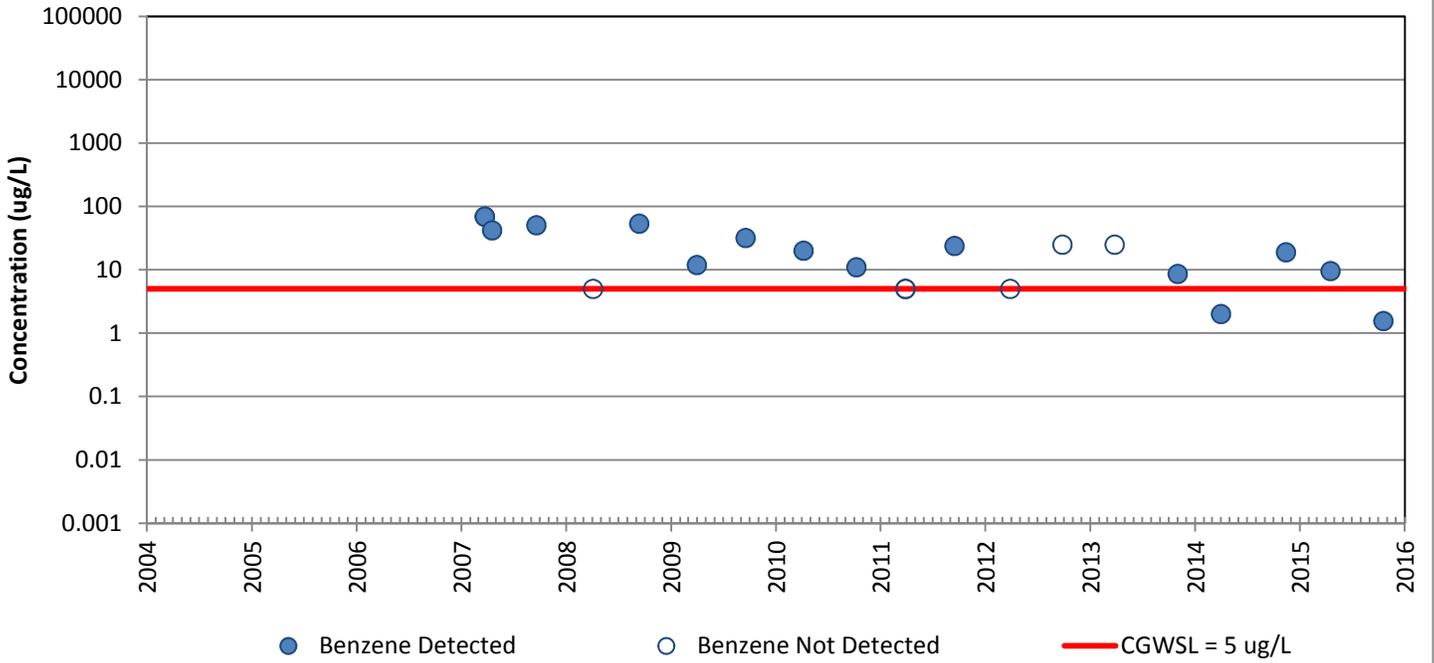


## DRO

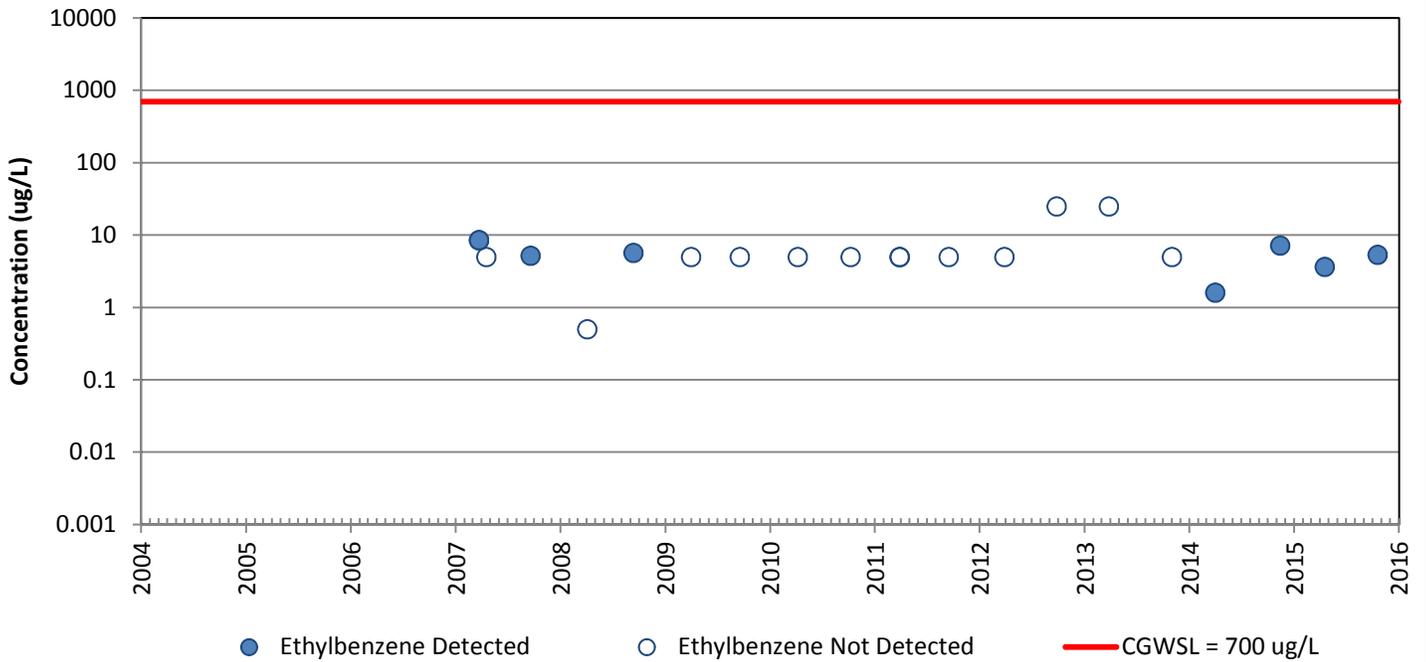


# MW-77

## Benzene

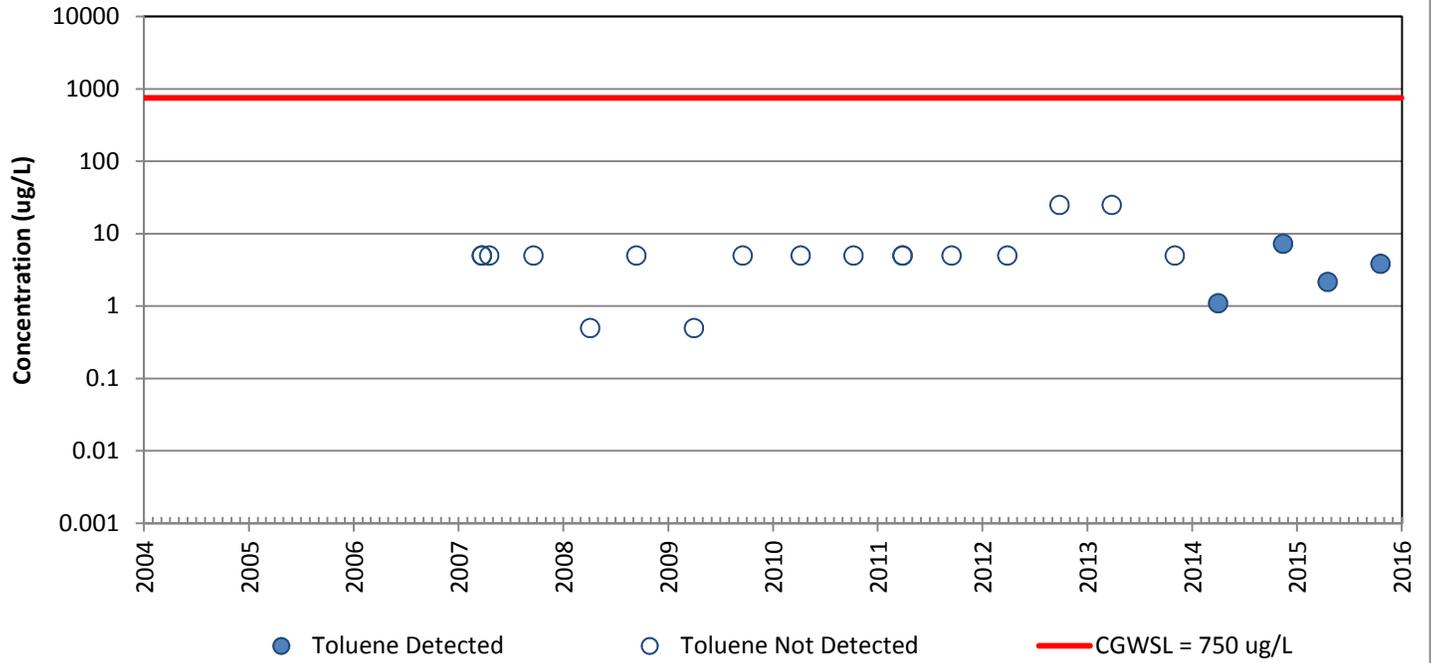


## Ethylbenzene

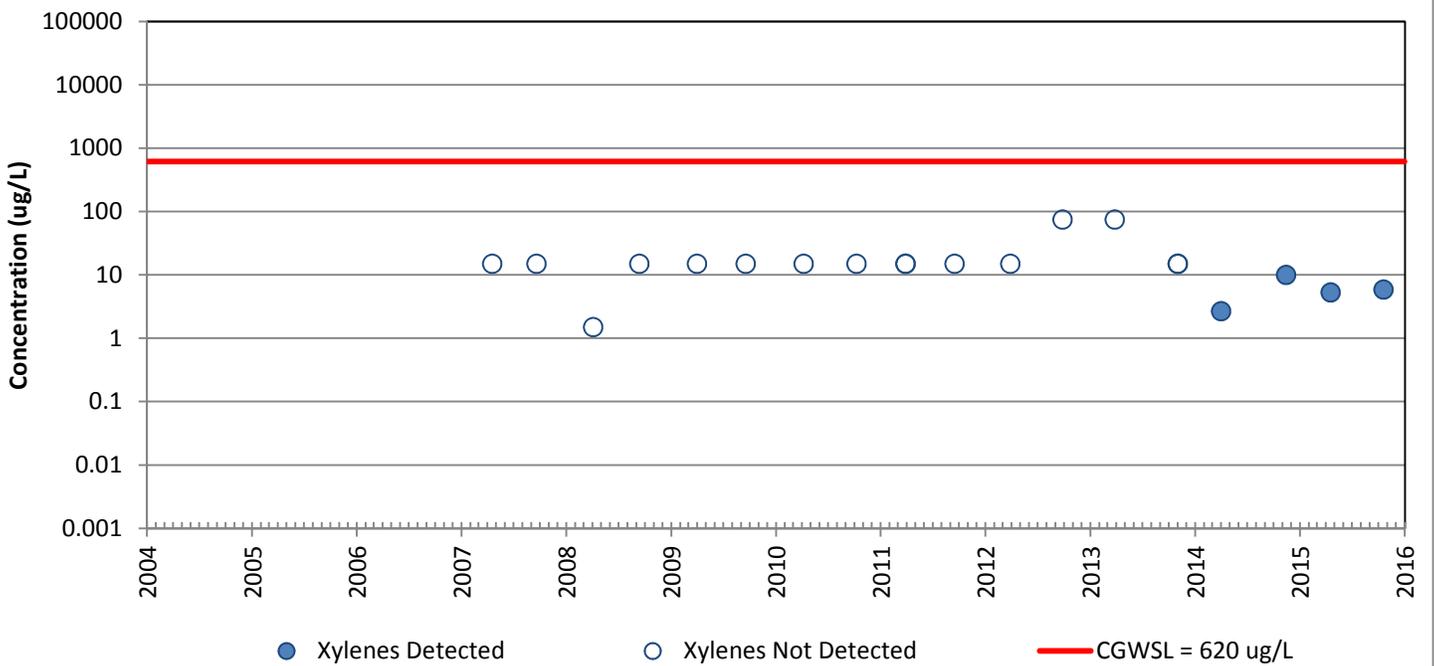


# MW-77

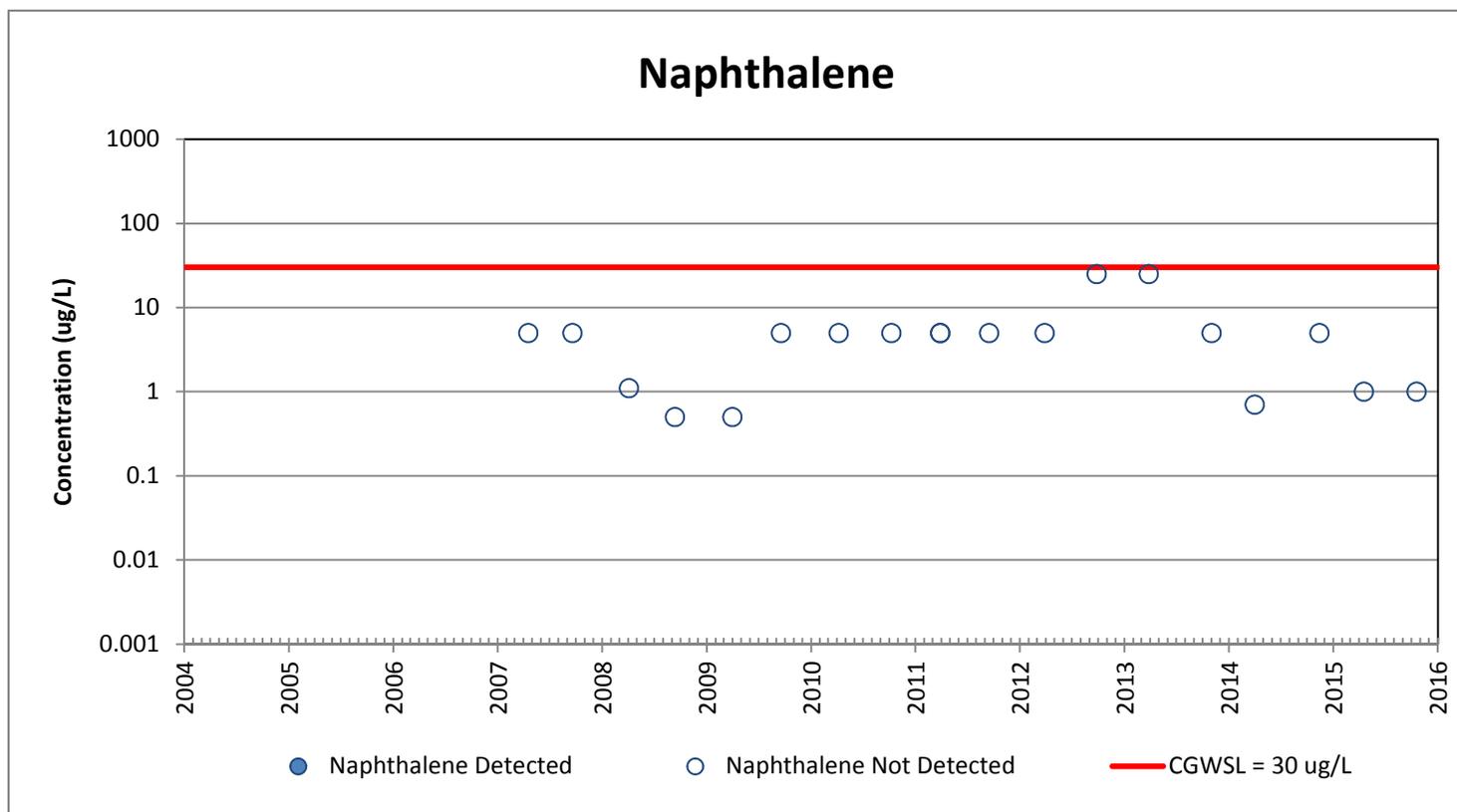
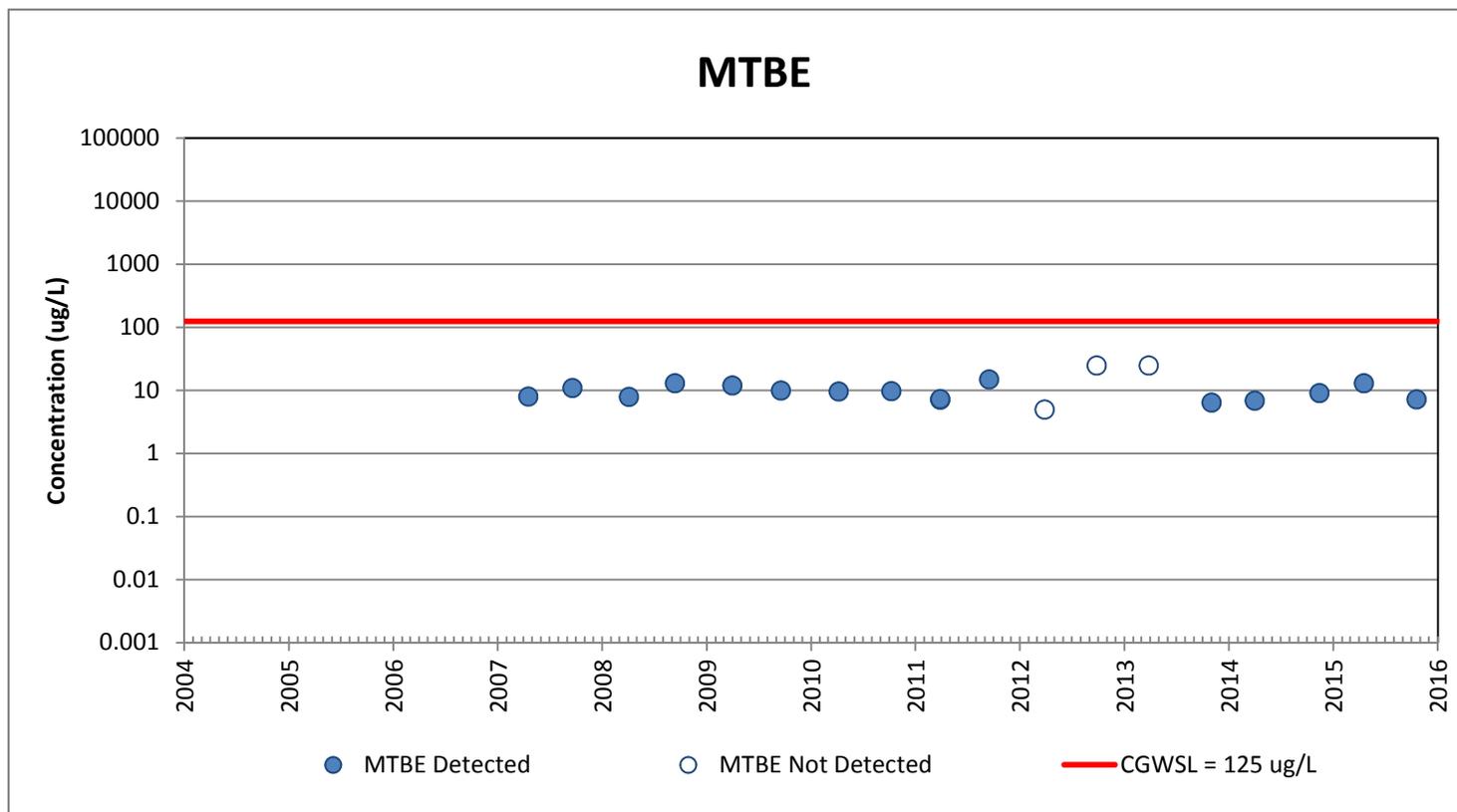
## Toluene



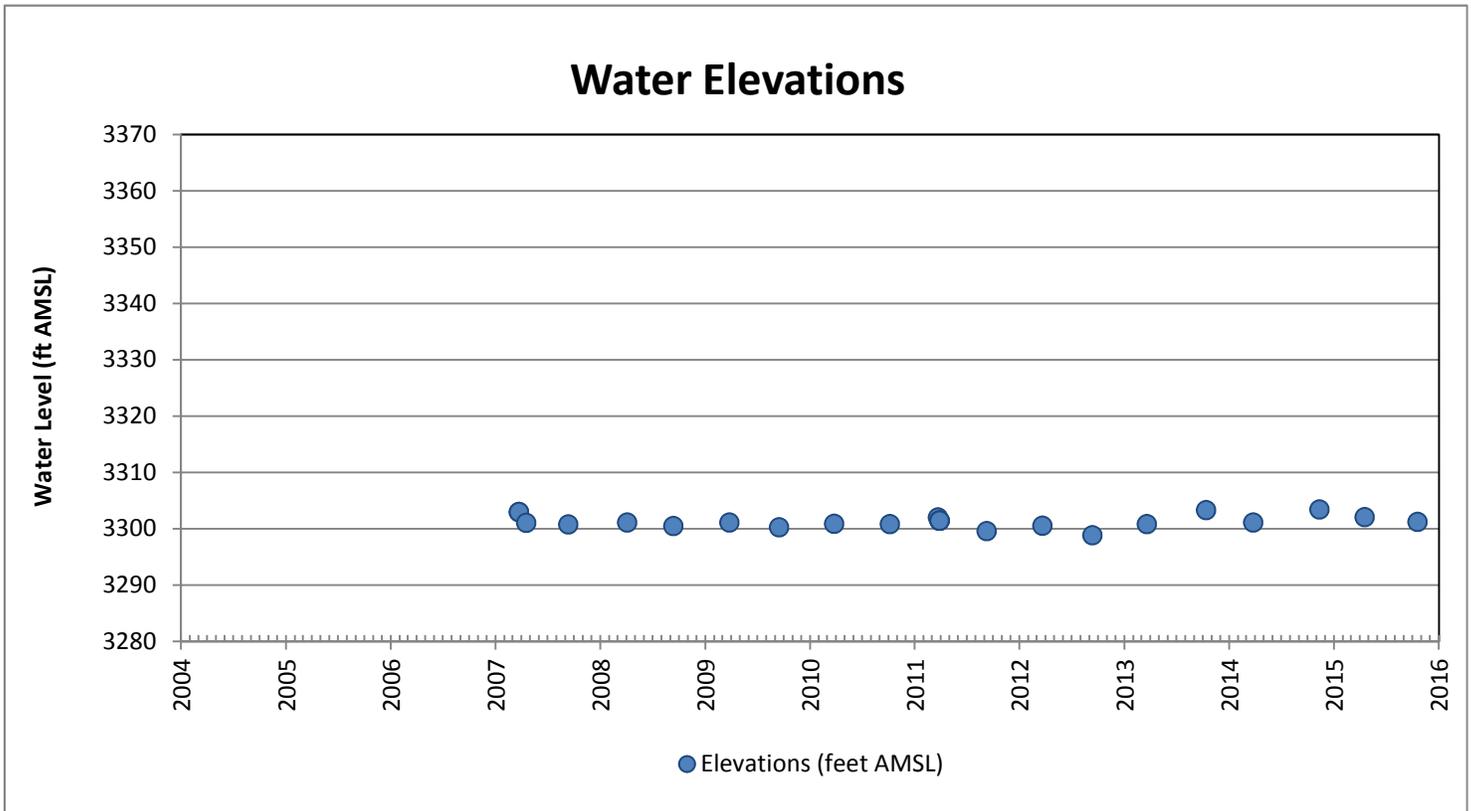
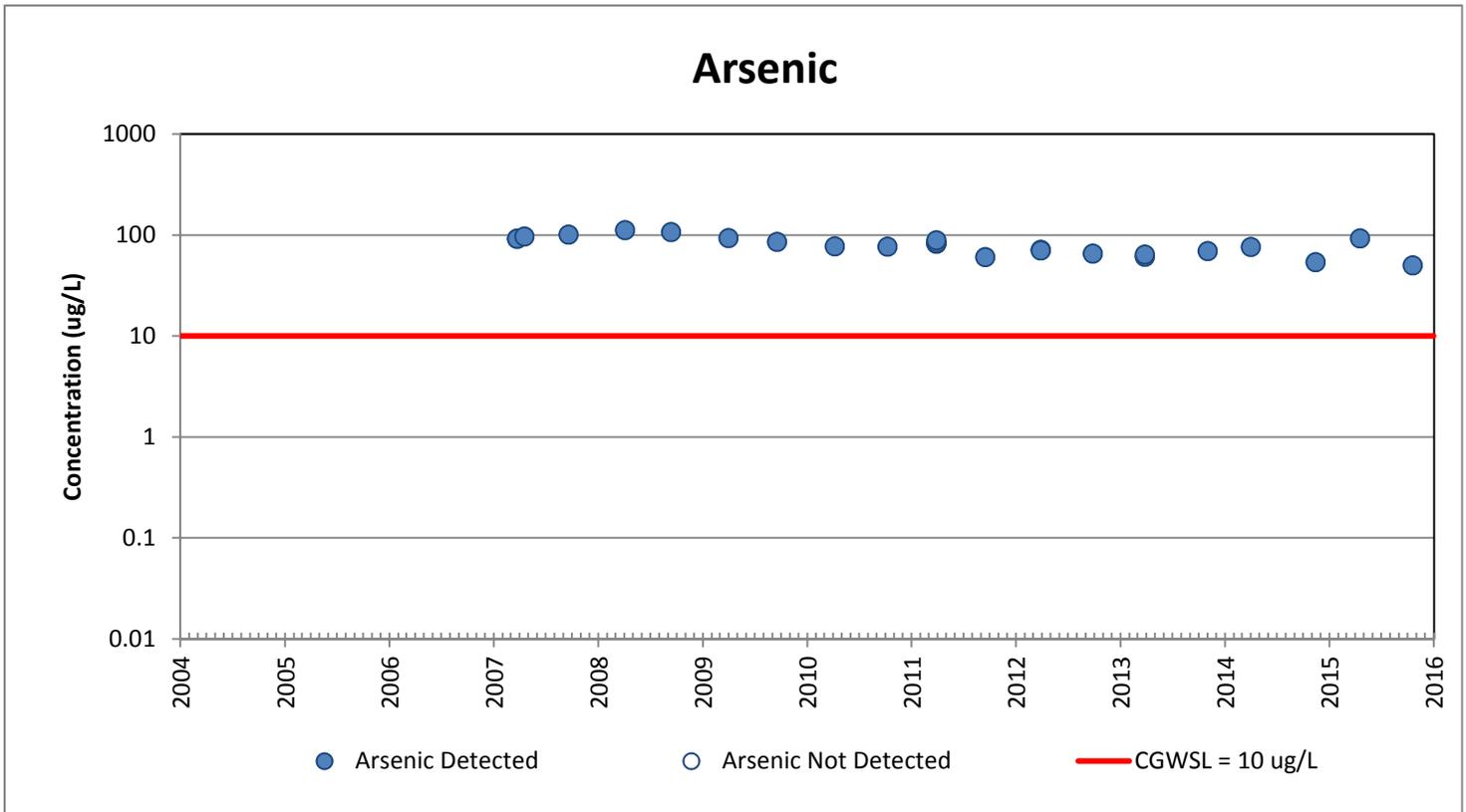
## Xylenes



# MW-77

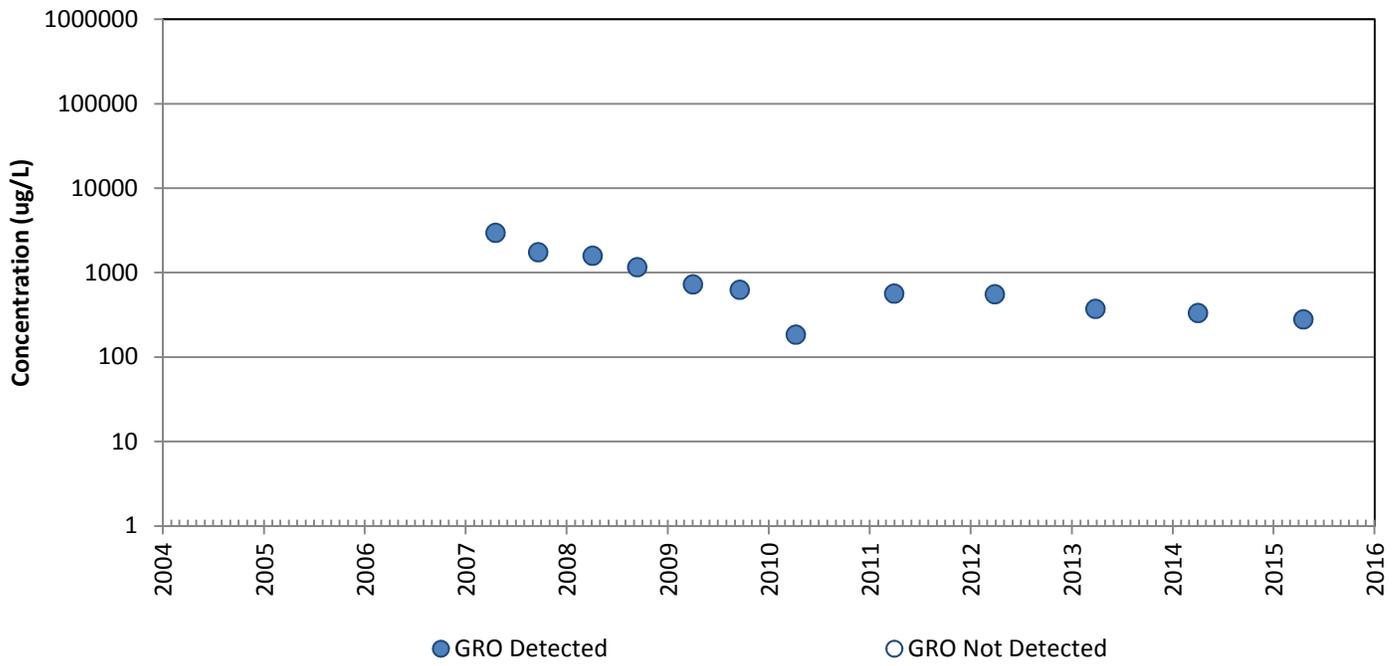


# MW-77

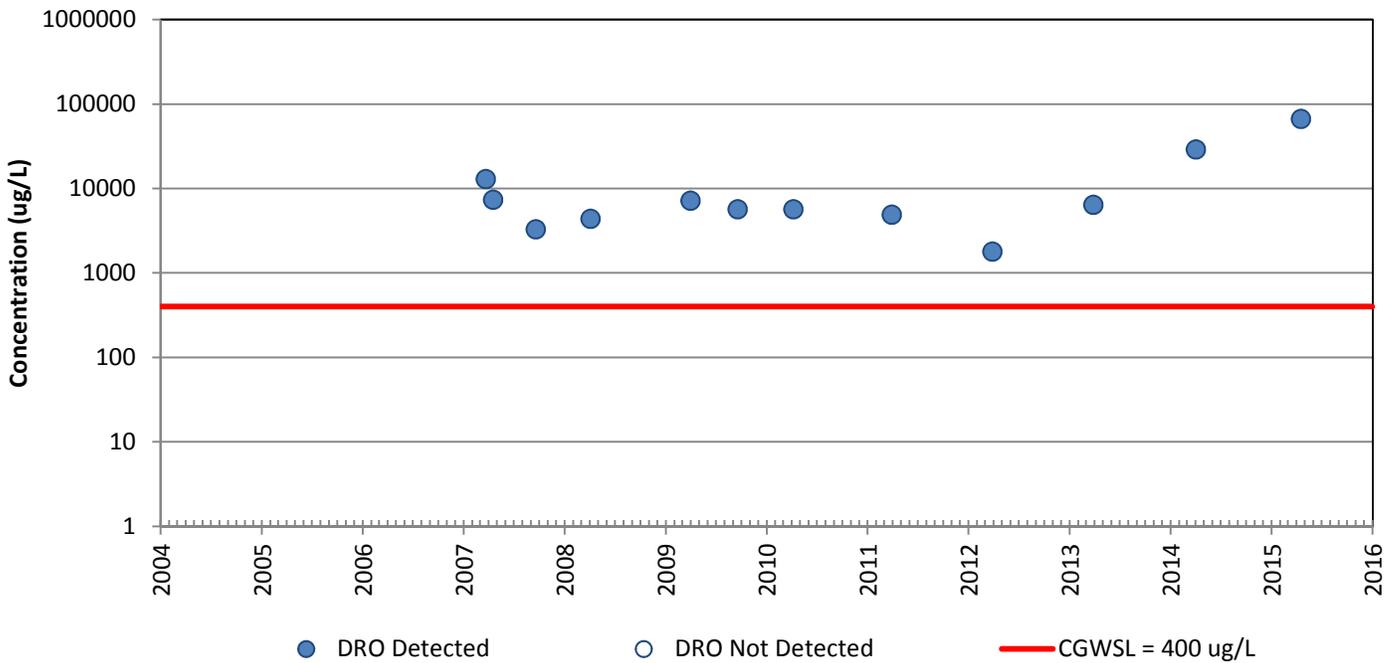


# MW-78

## GRO

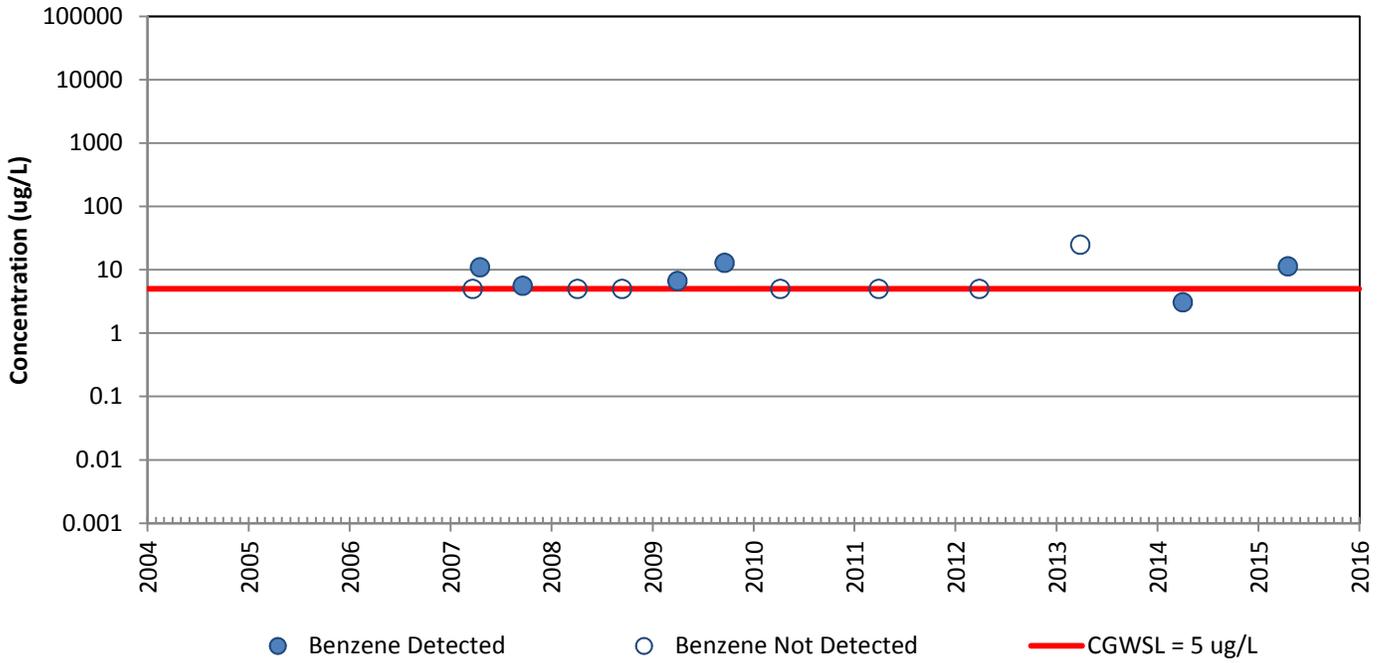


## DRO

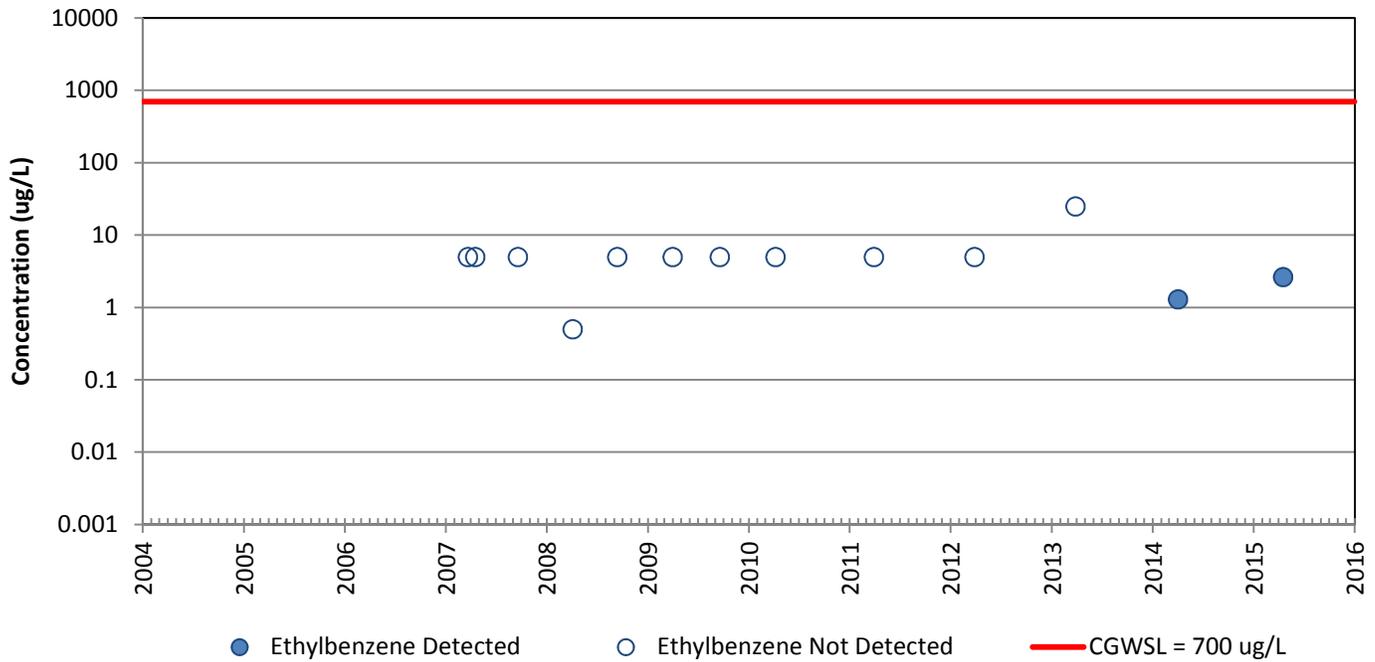


# MW-78

## Benzene

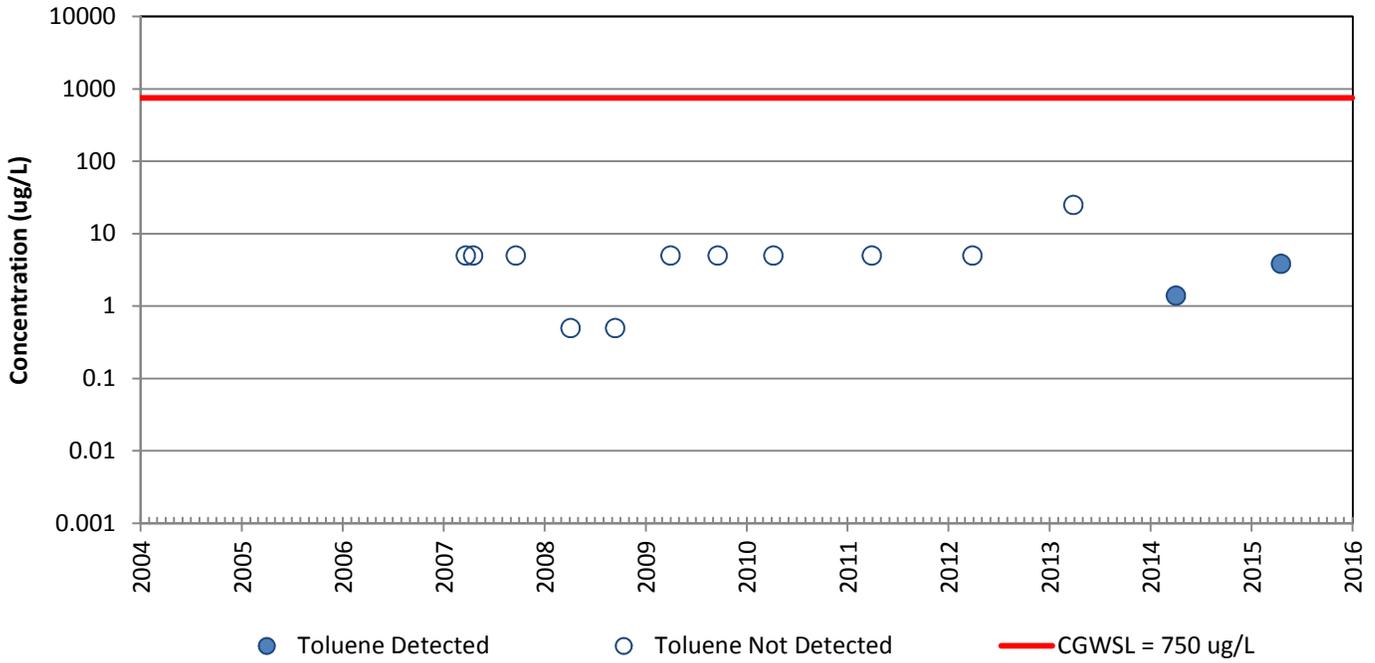


## Ethylbenzene

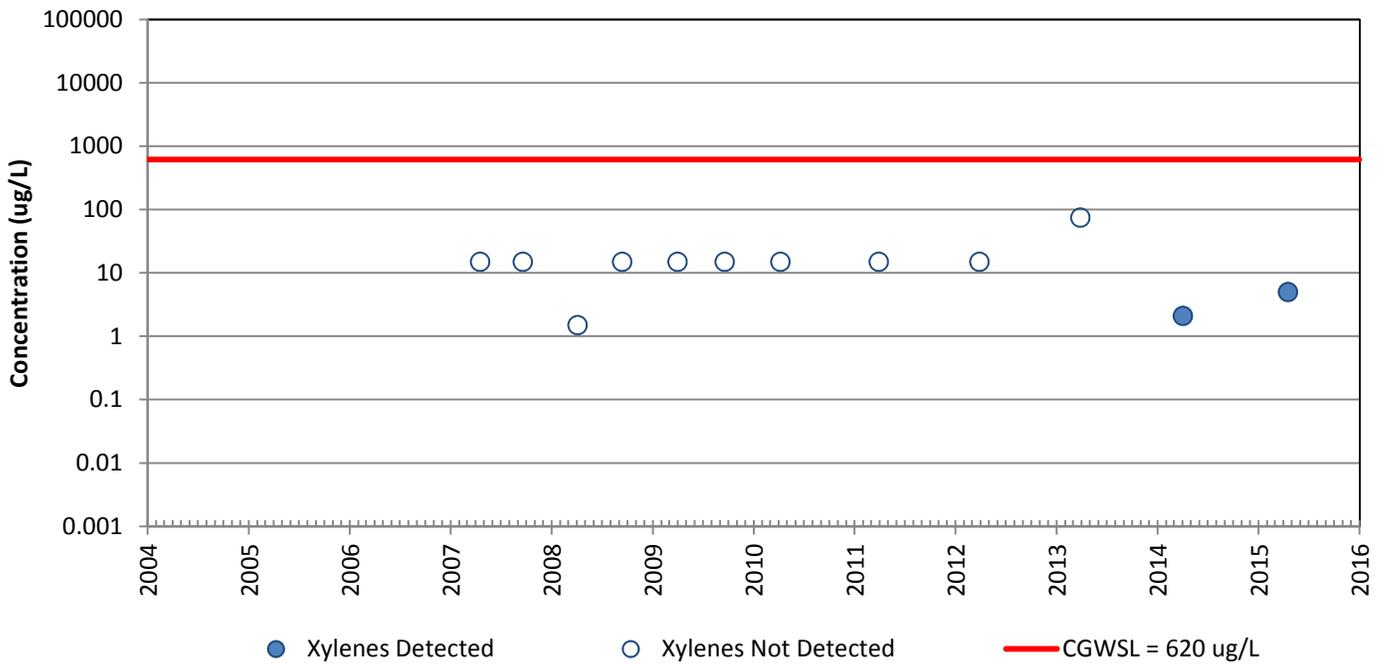


# MW-78

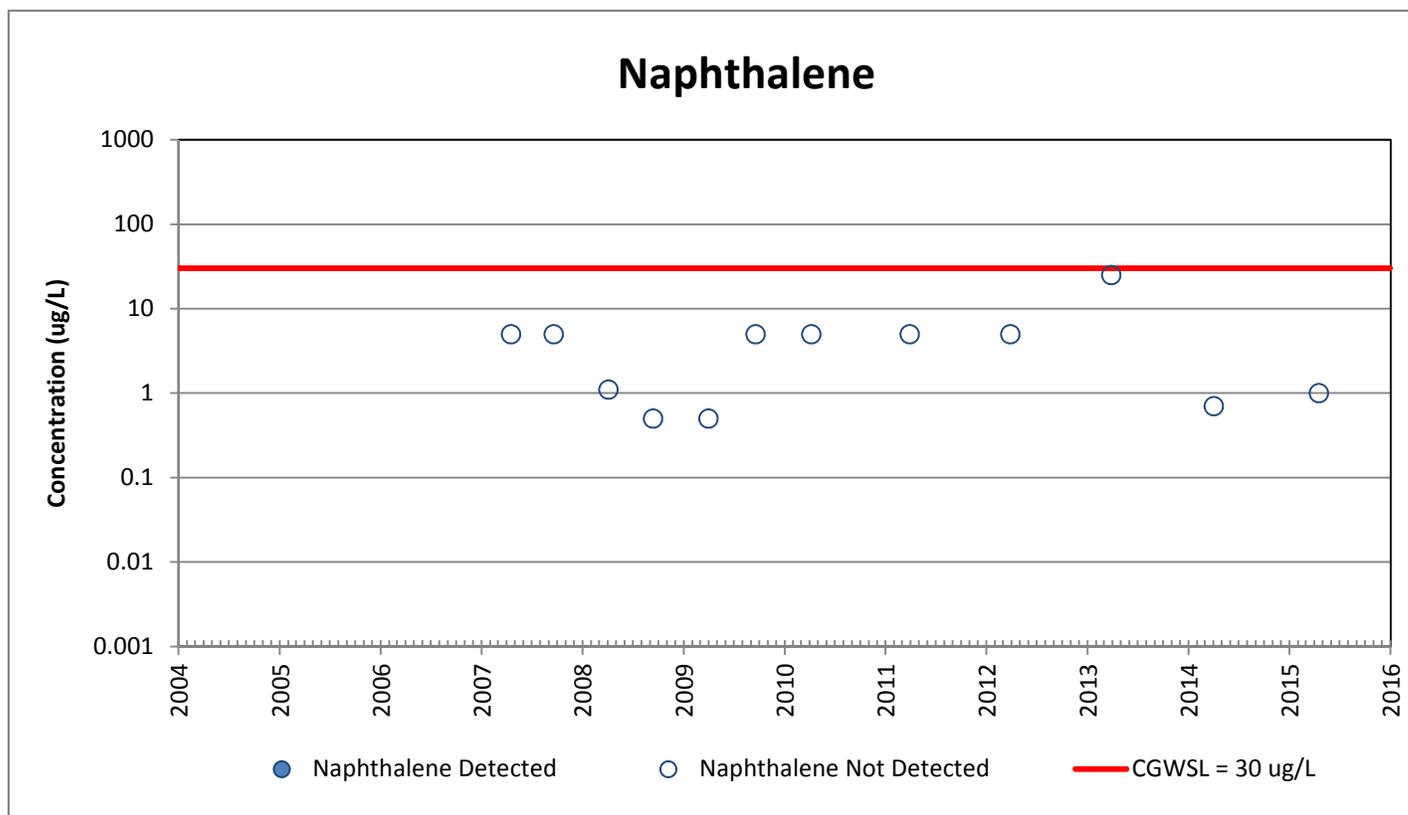
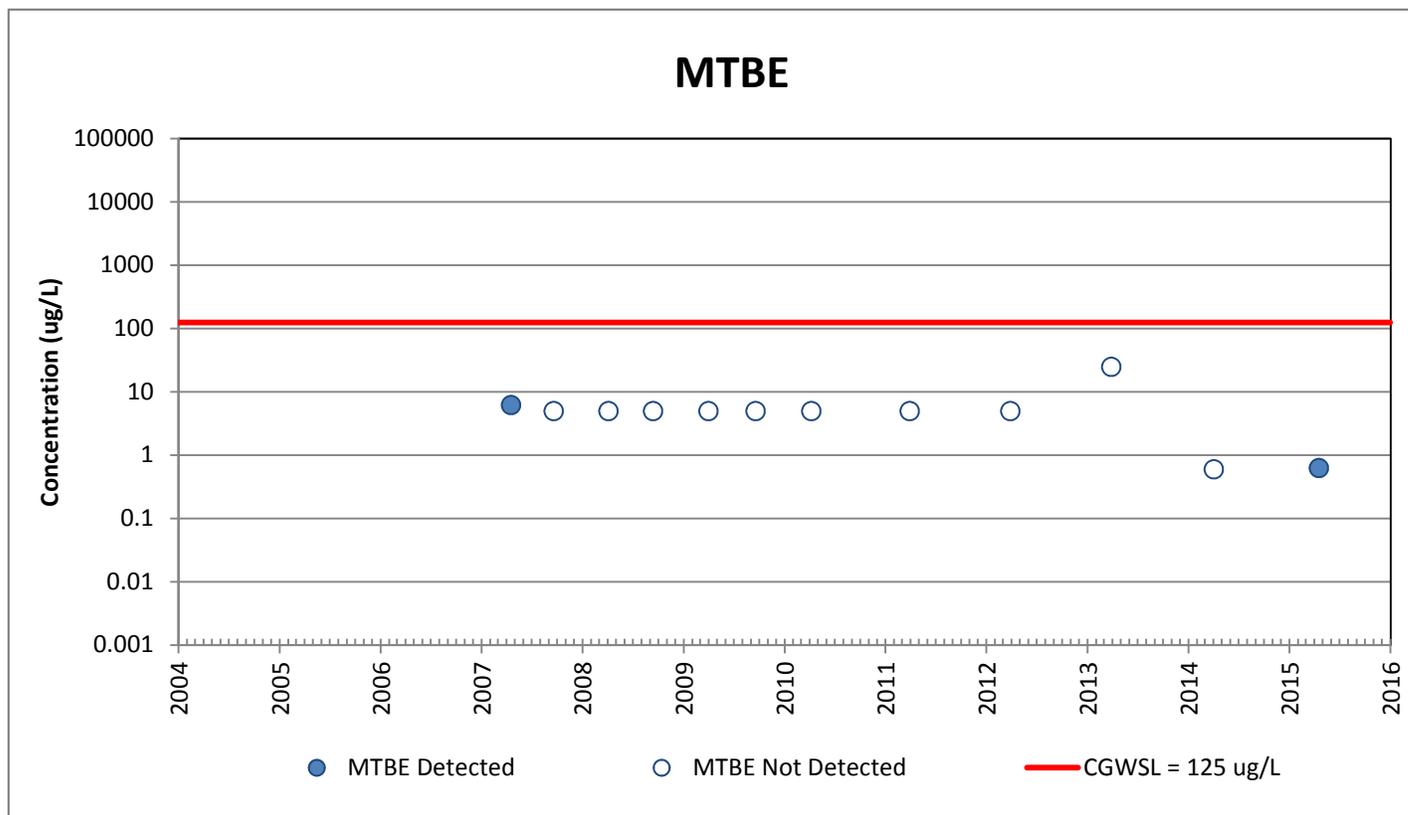
## Toluene



## Xylenes

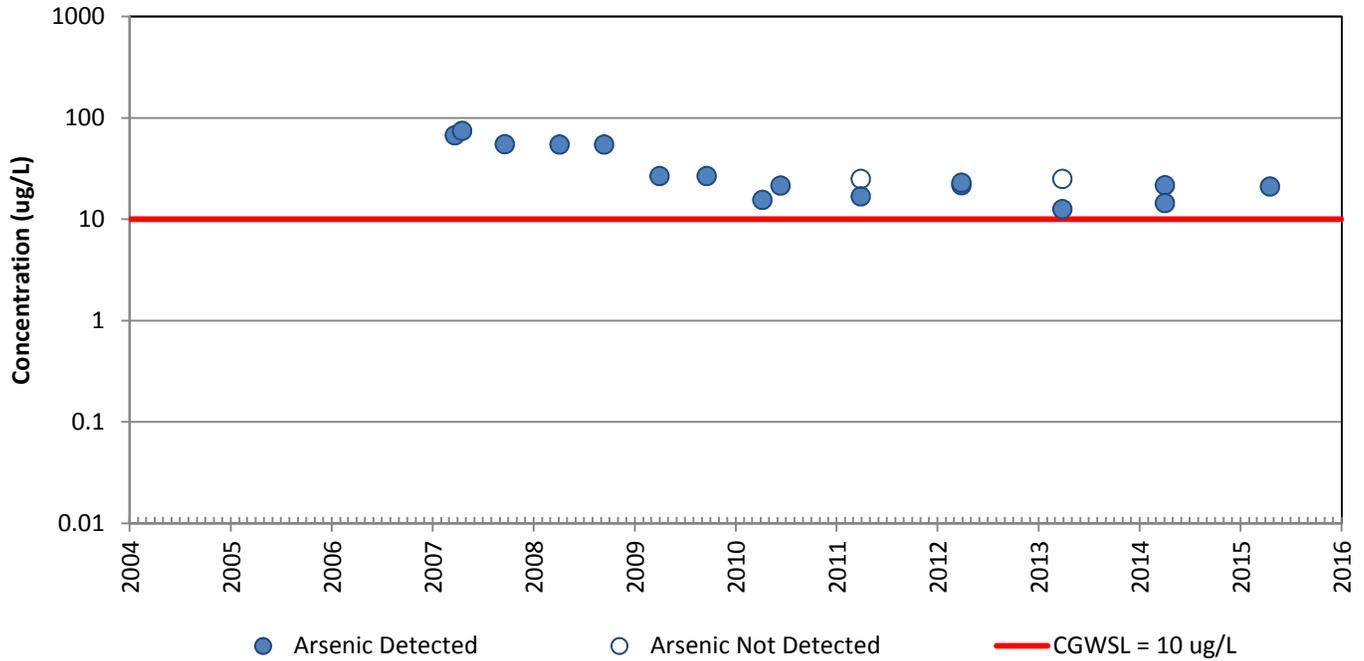


# MW-78

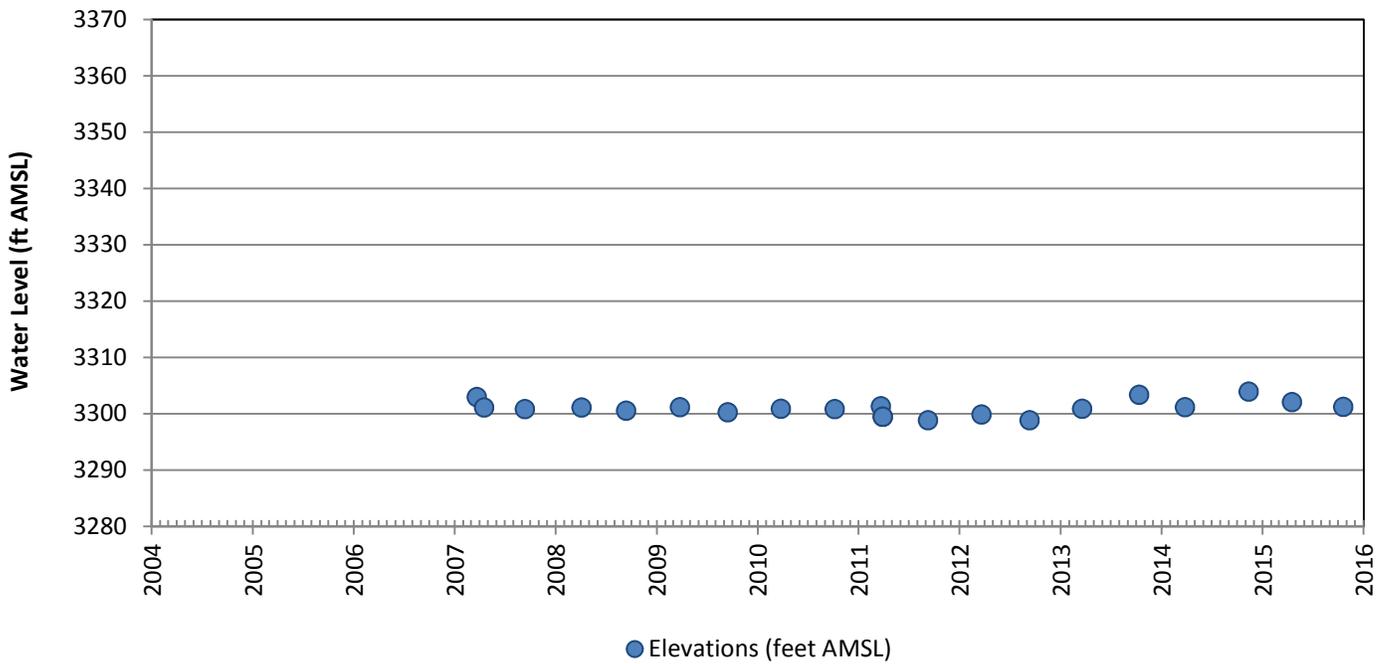


# MW-78

## Arsenic

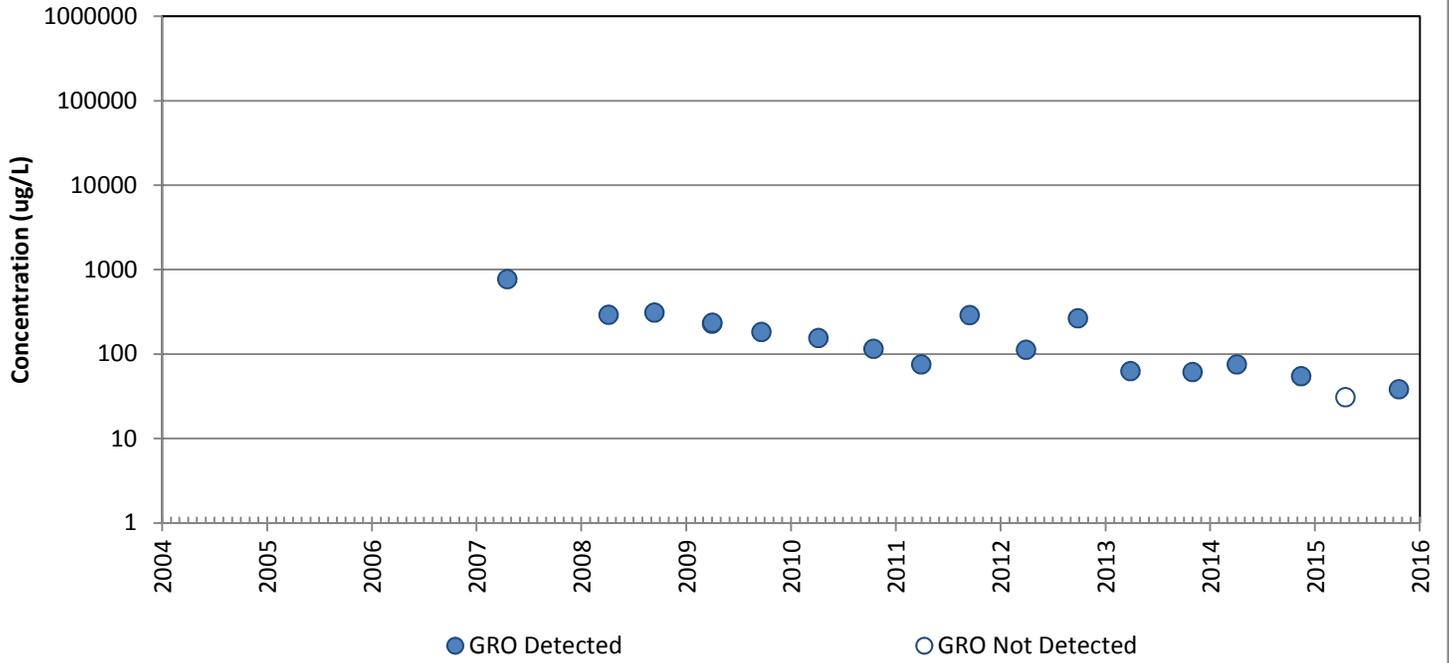


## Water Elevations

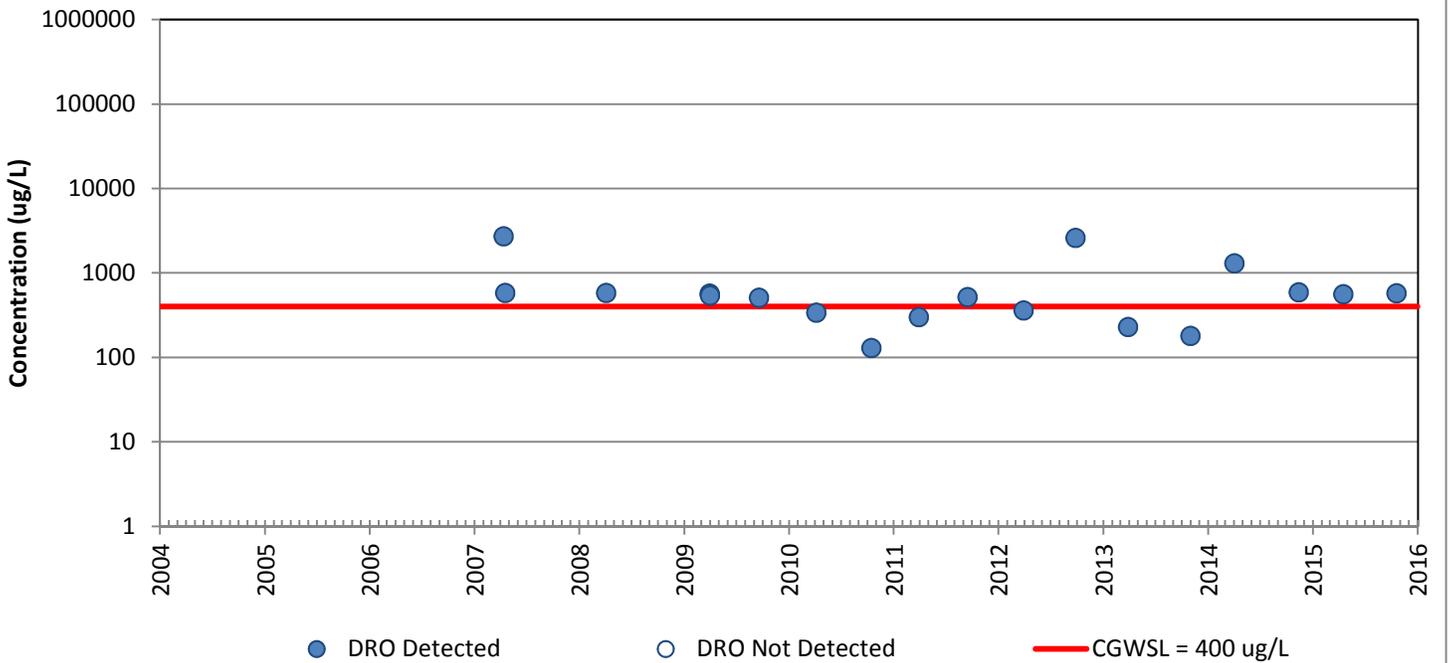


# MW-79

## GRO

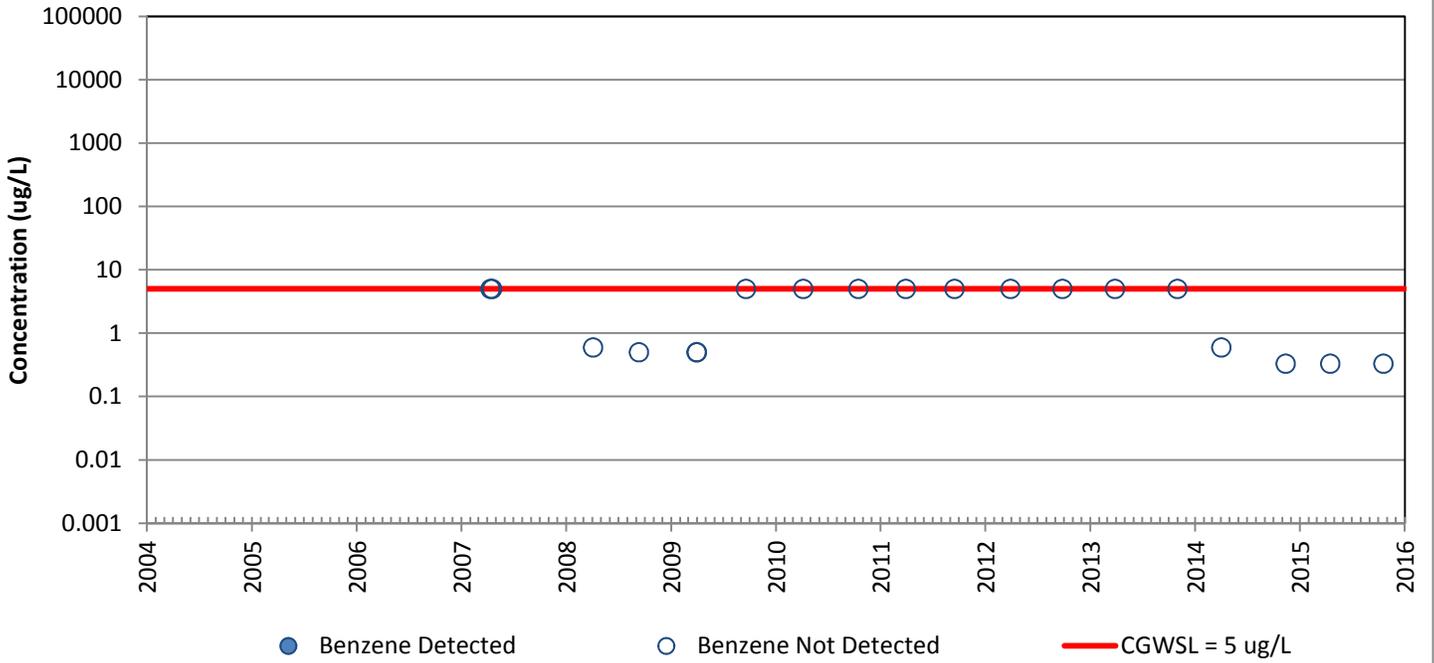


## DRO

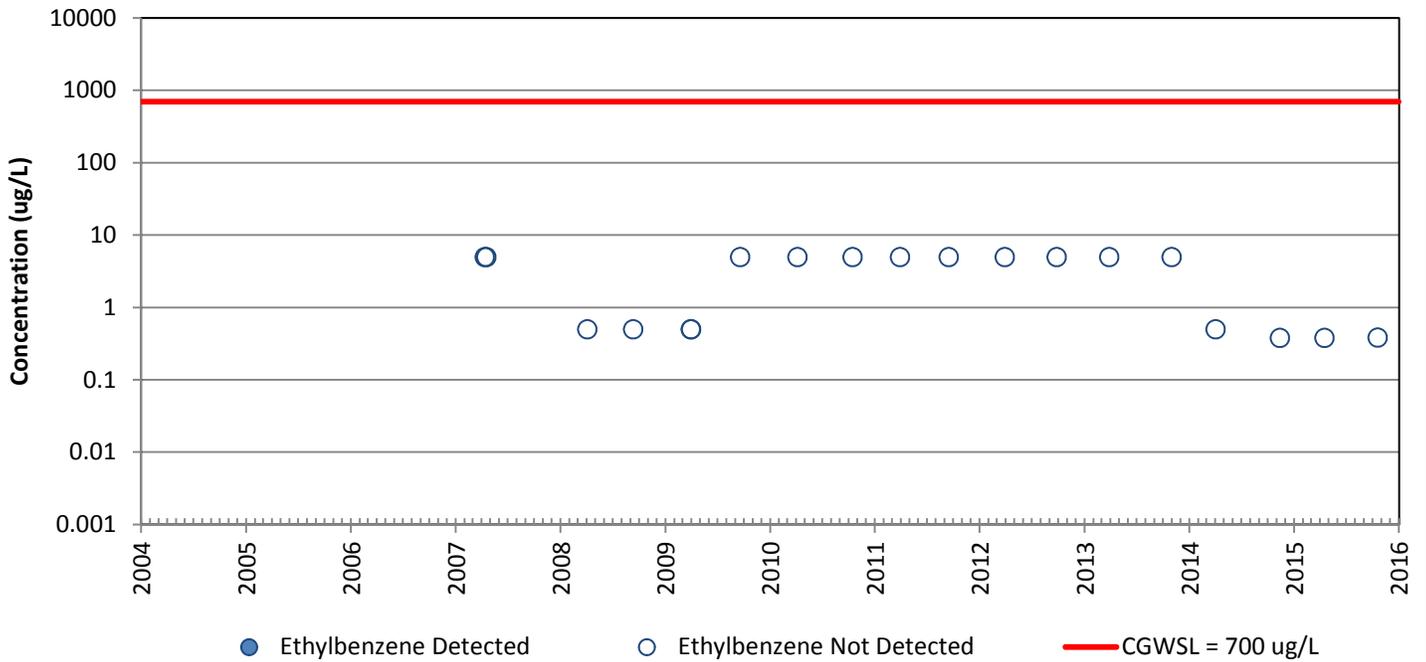


# MW-79

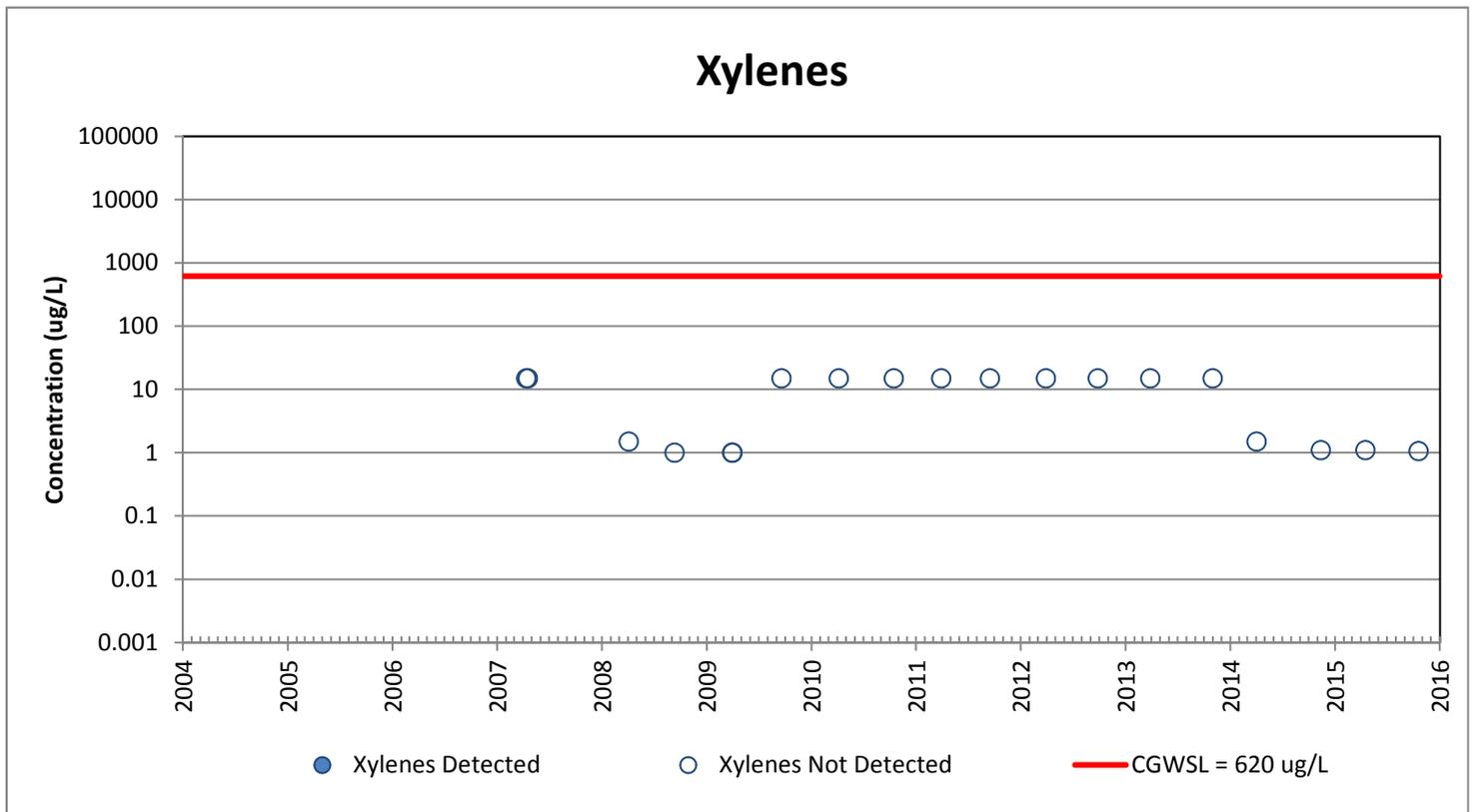
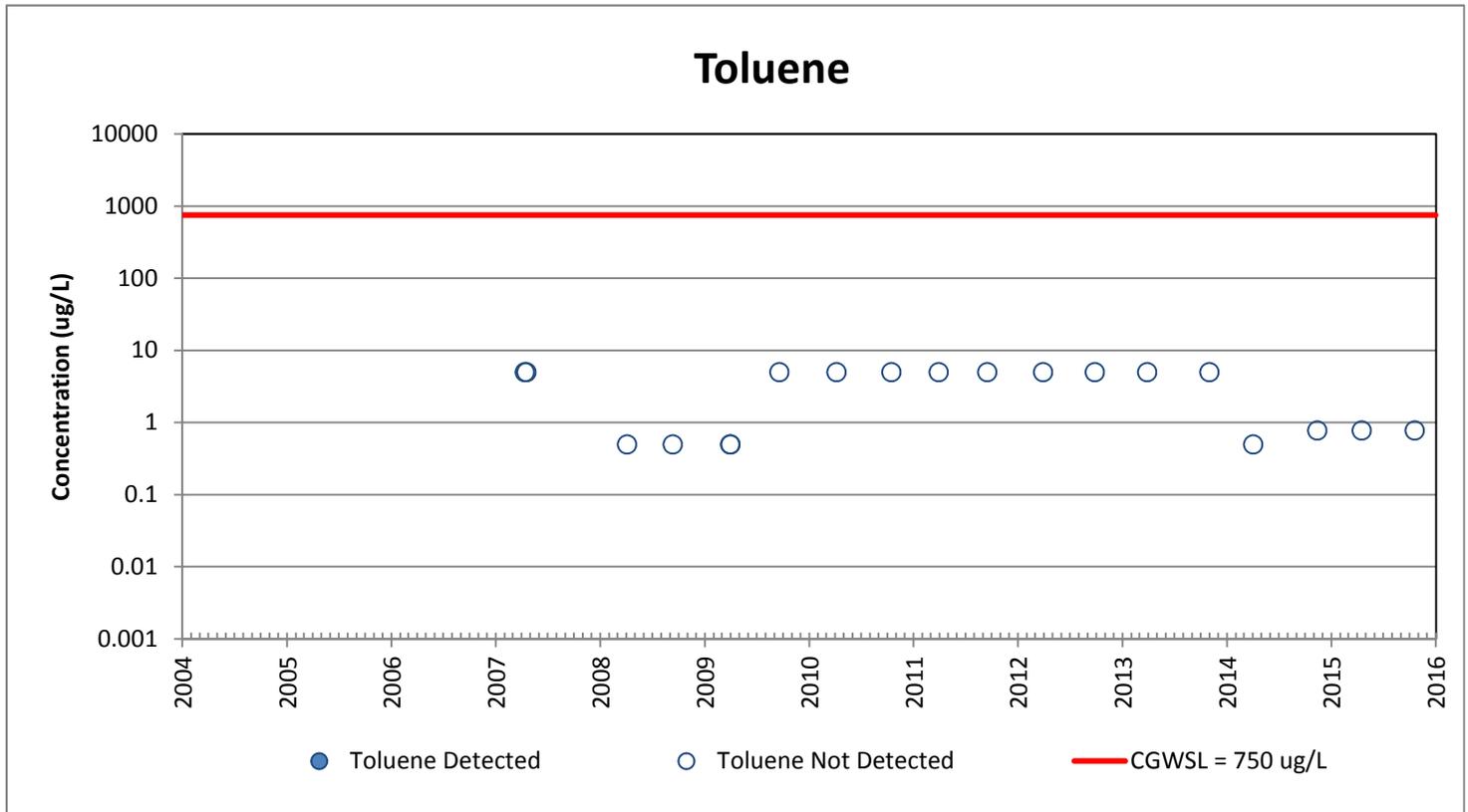
## Benzene



## Ethylbenzene

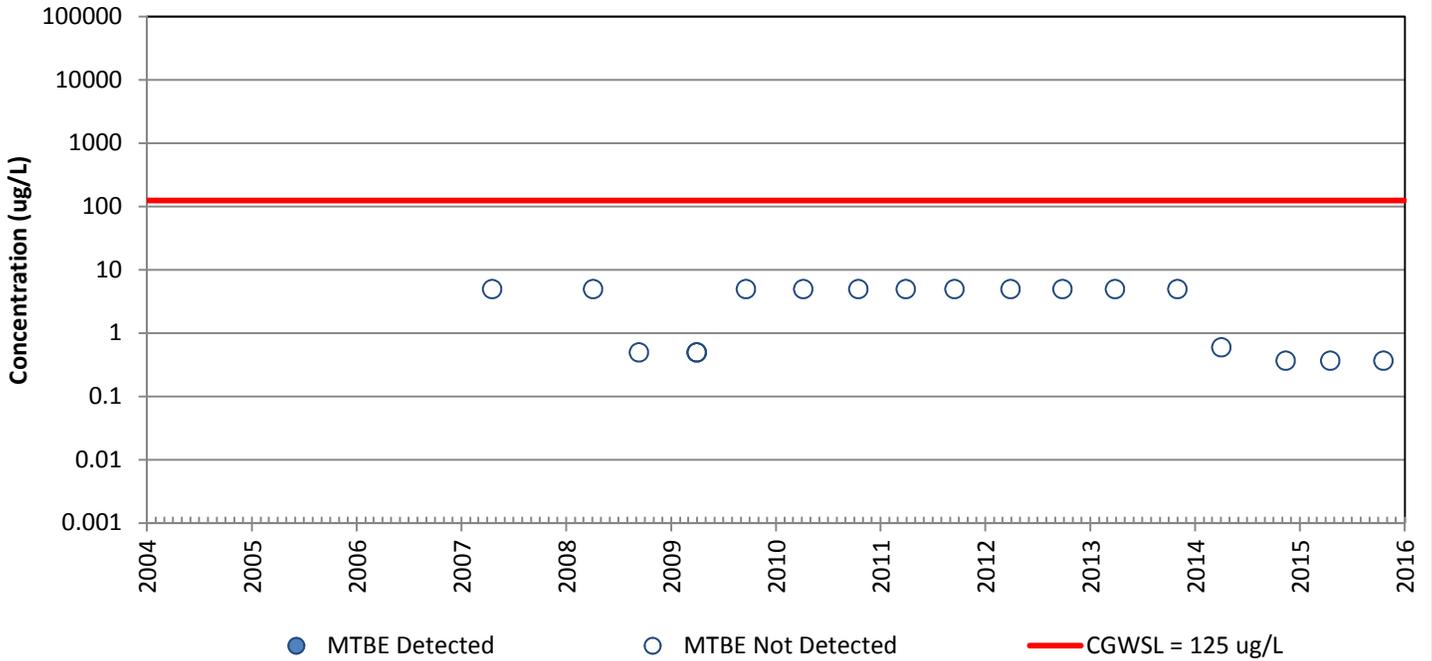


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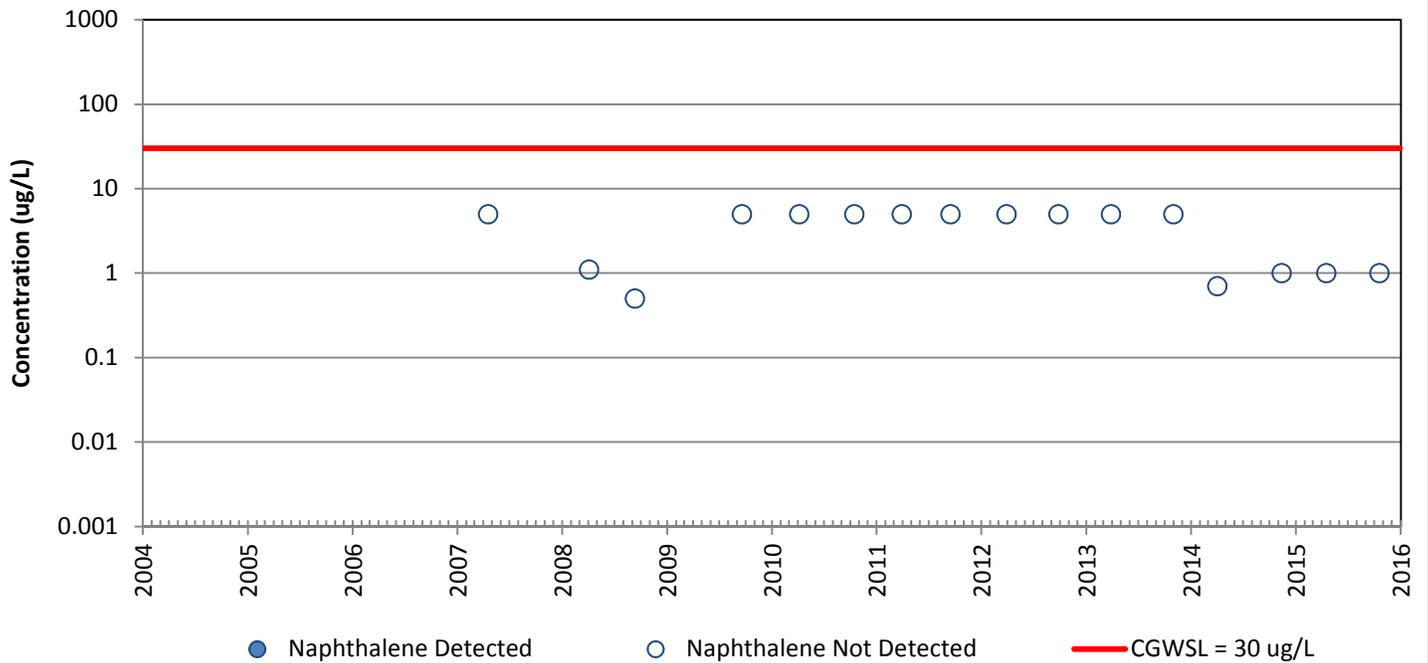


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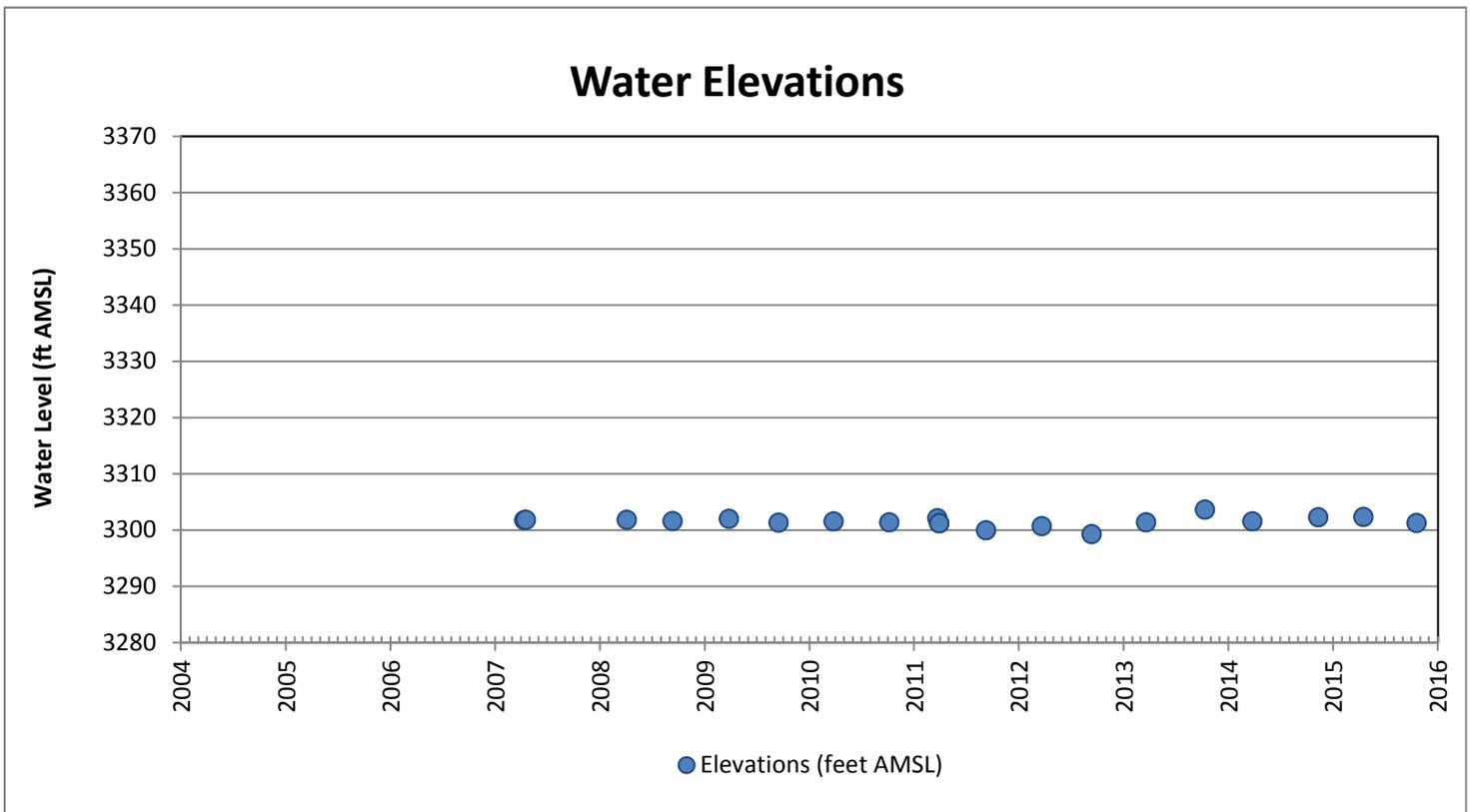
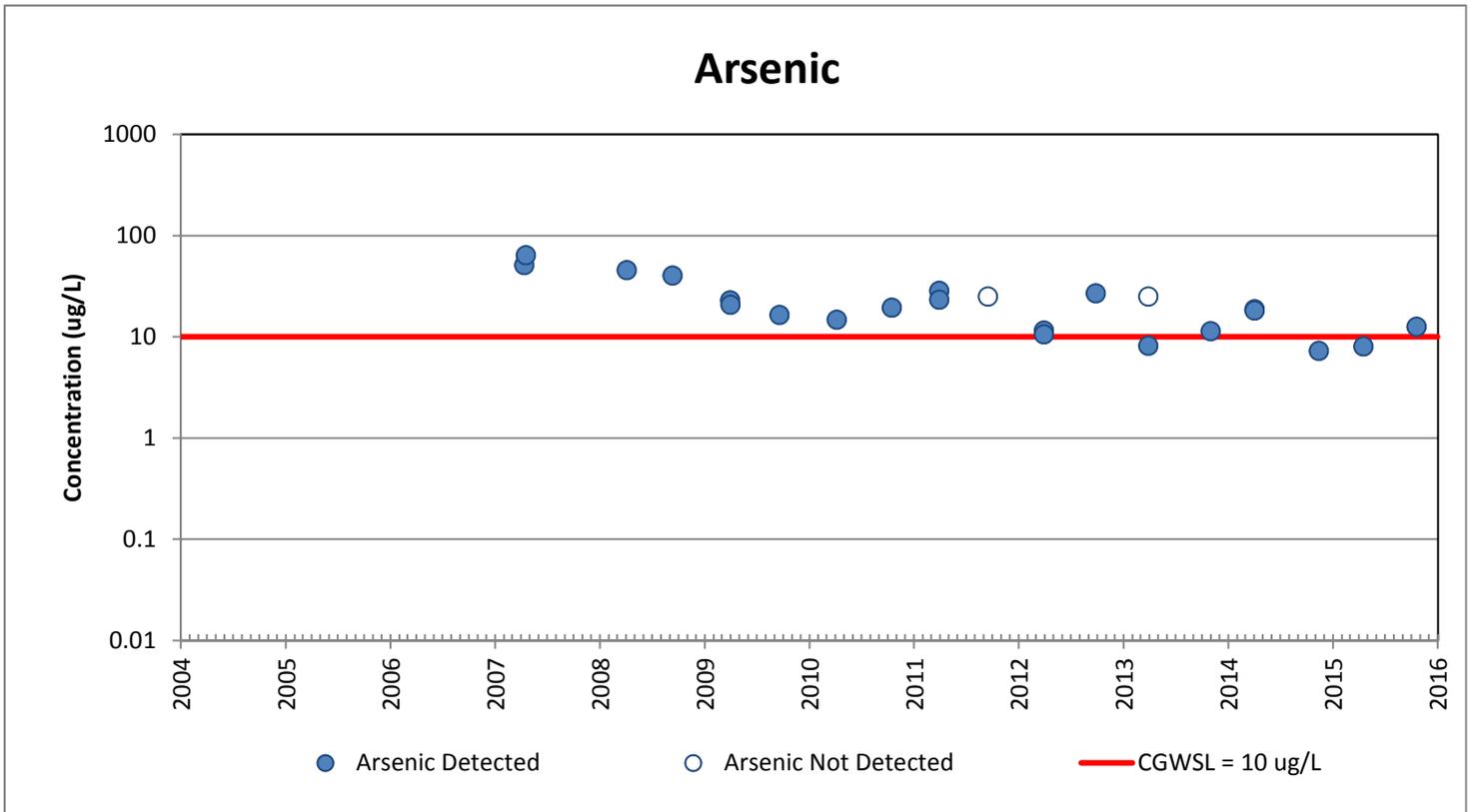
## MTBE



## Naphthalene

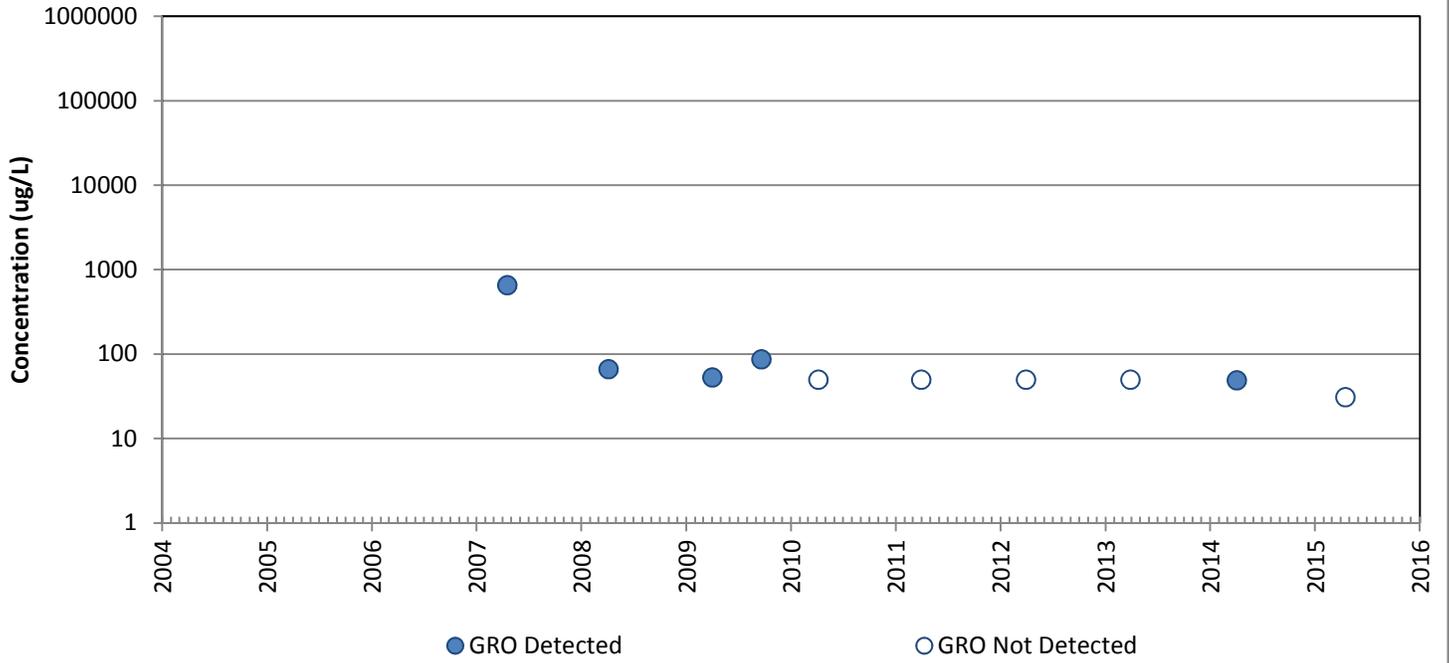


# MW-79

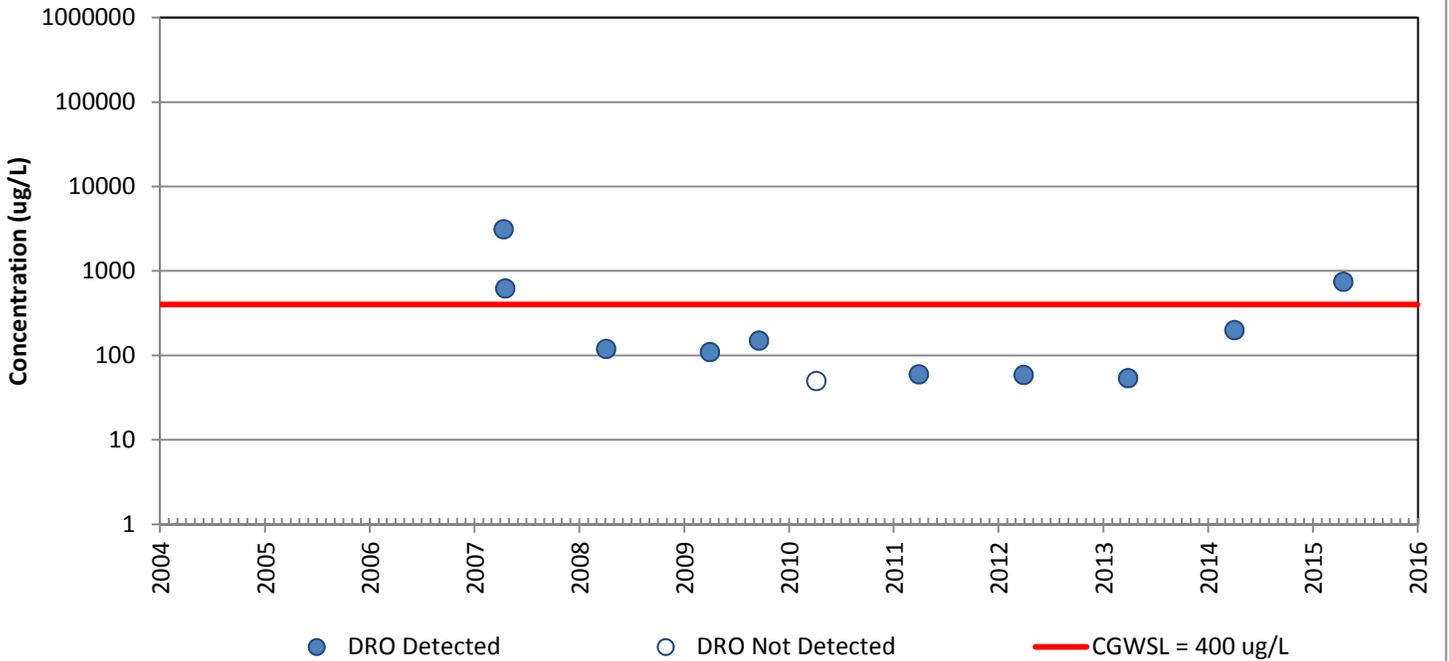


# MW-80

## GRO

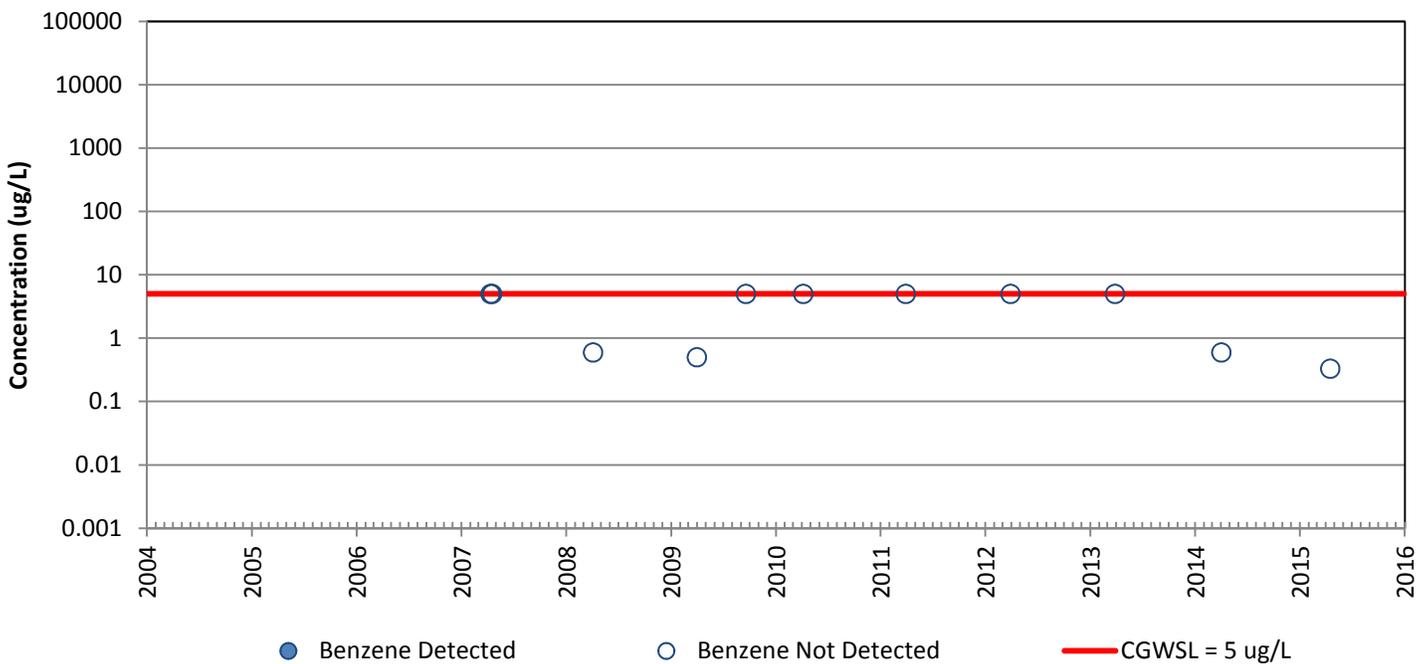


## DRO

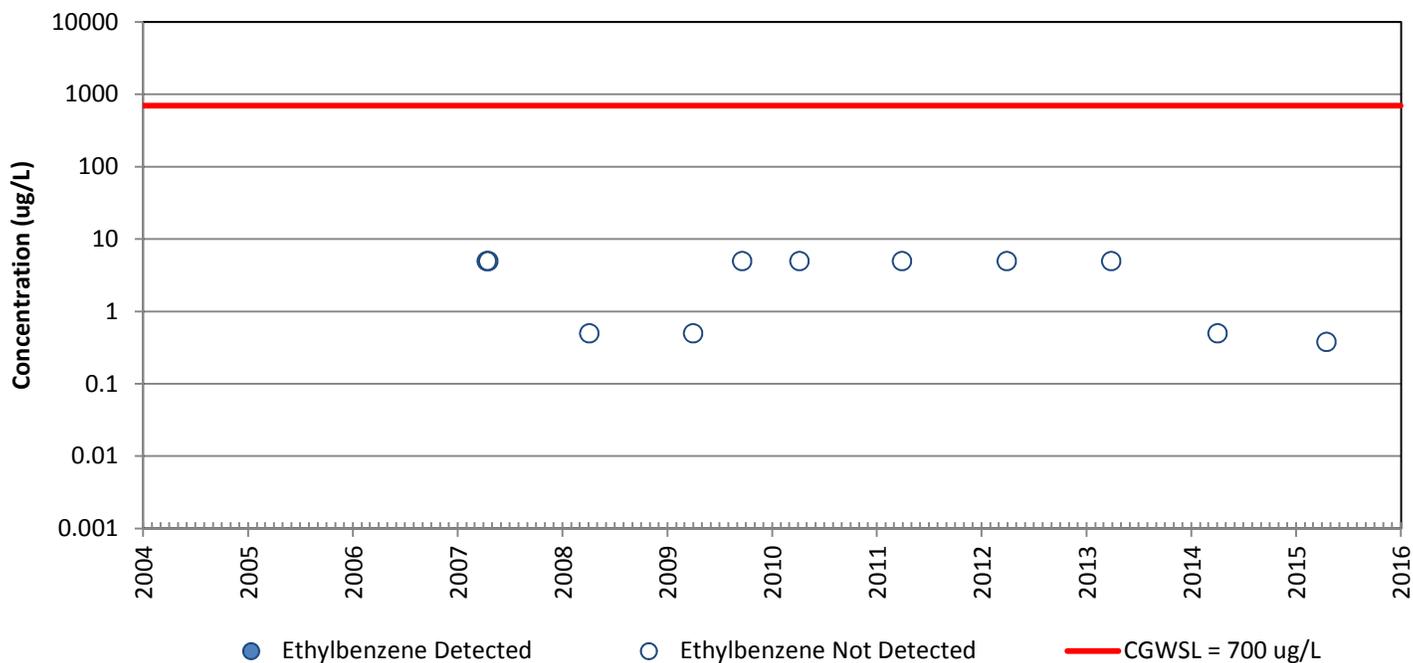


# MW-80

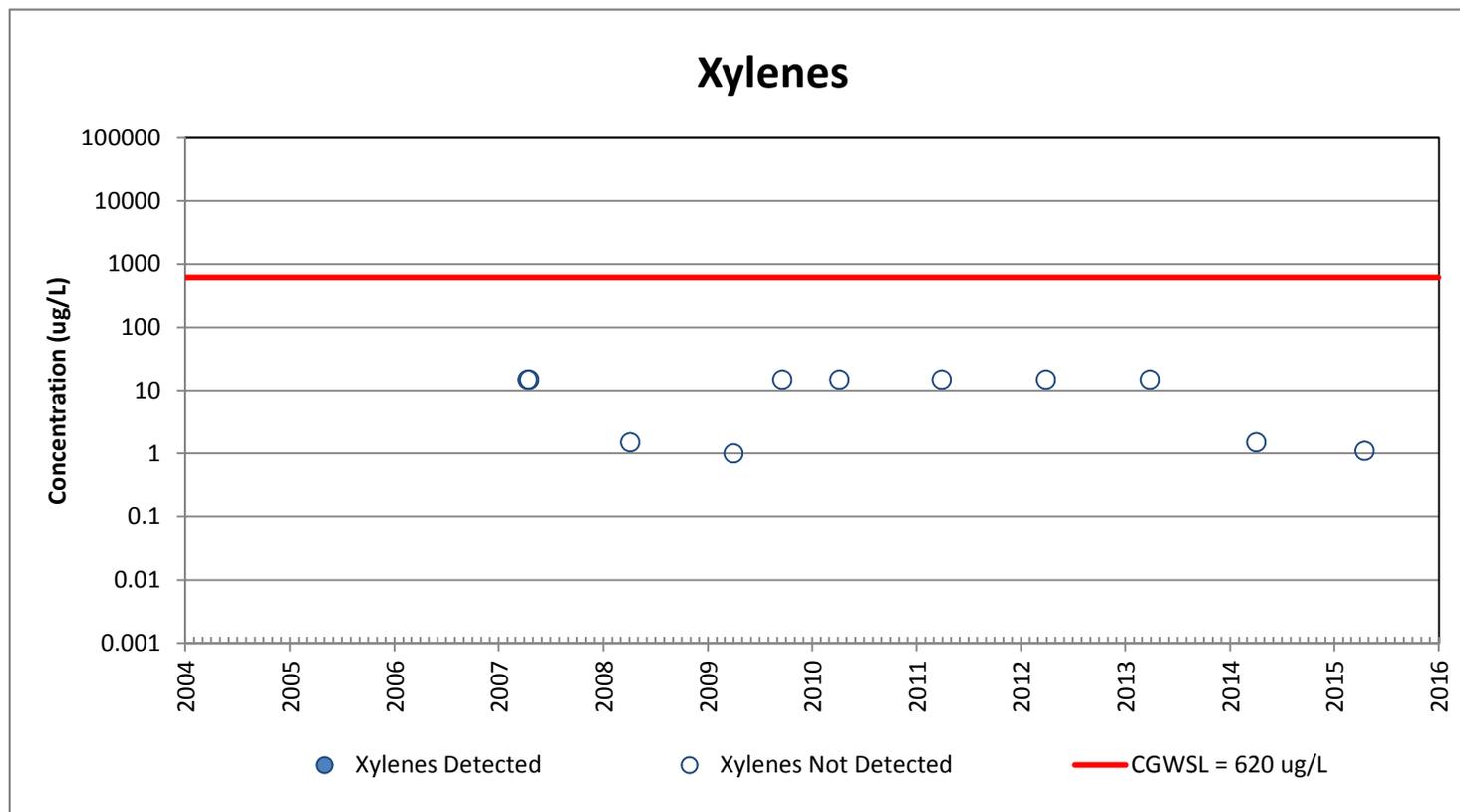
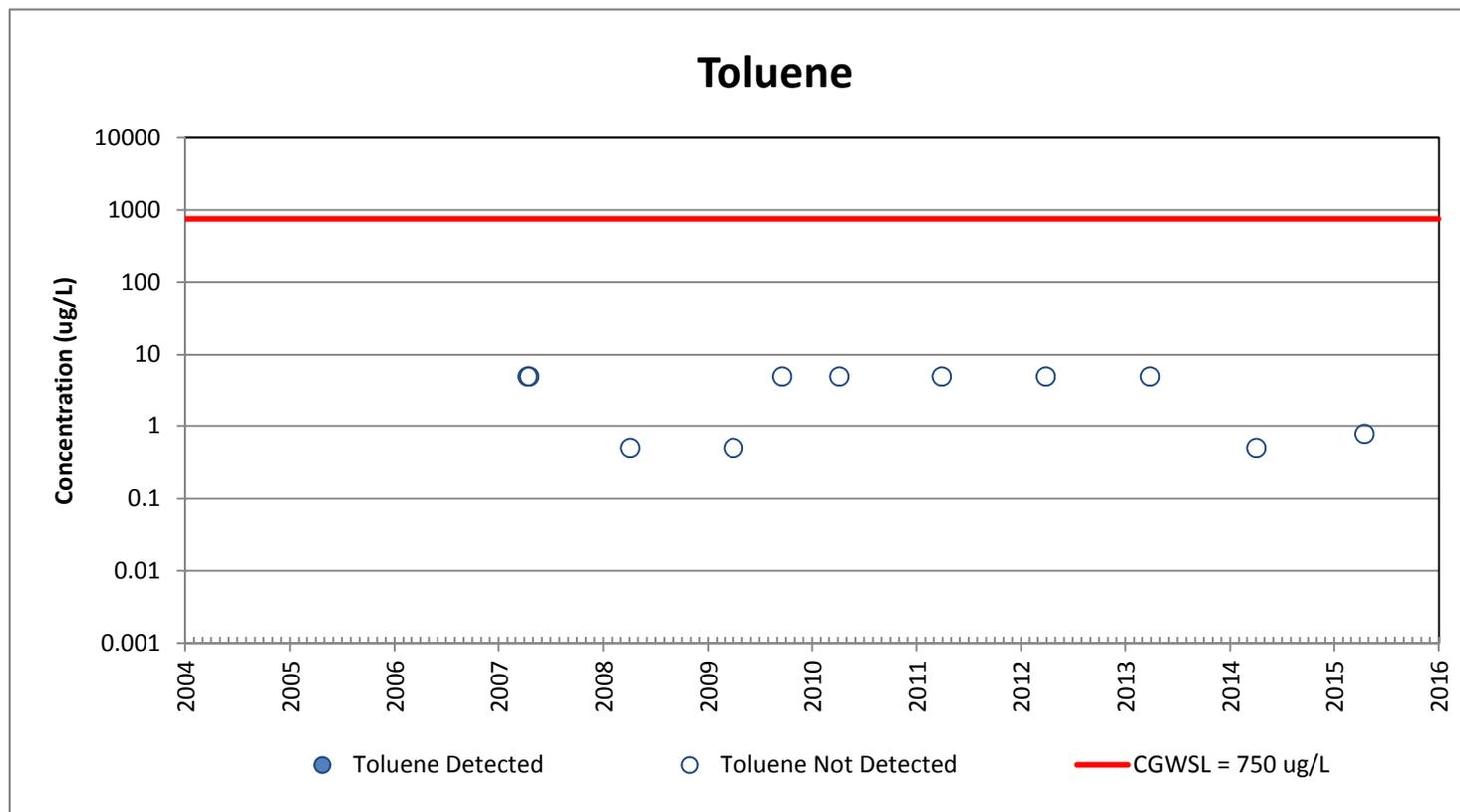
## Benzene



## Ethylbenzene

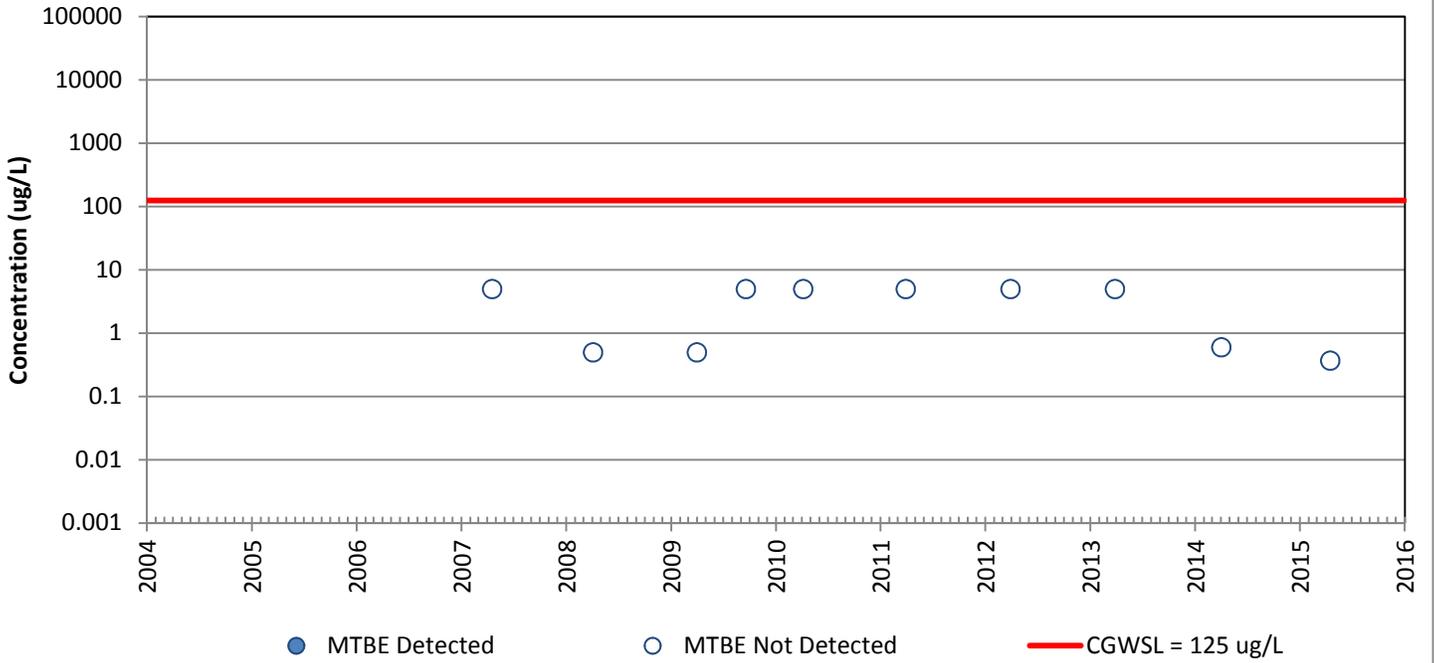


# MW-80

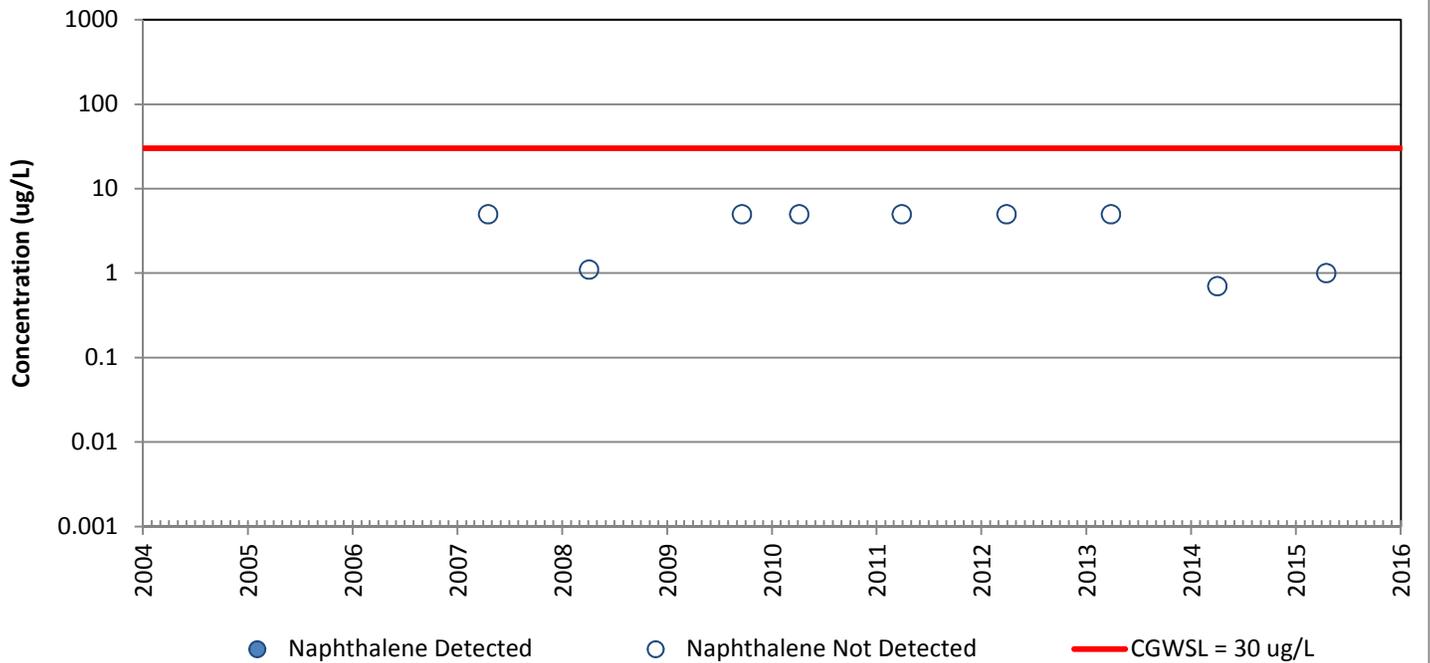


# MW-80

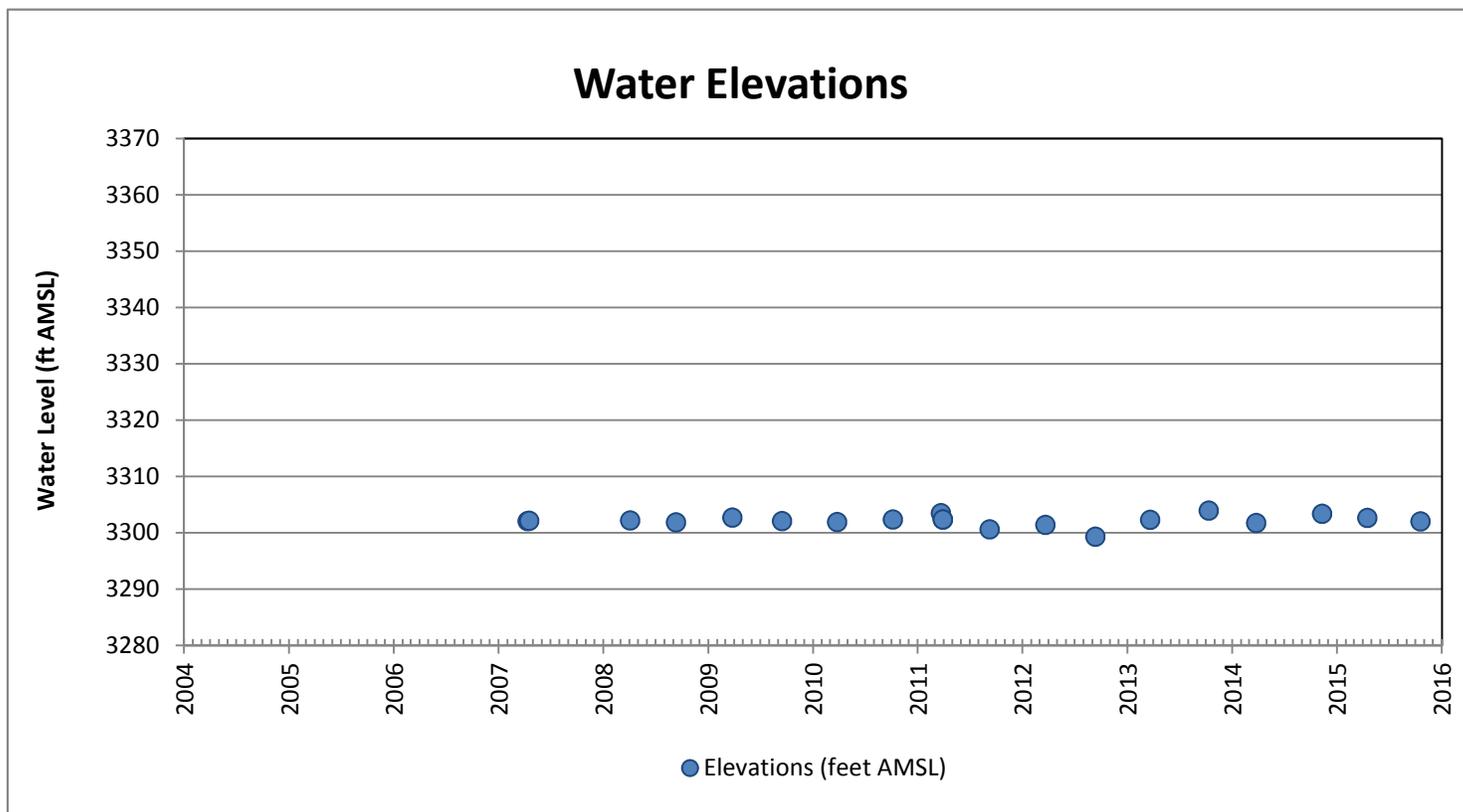
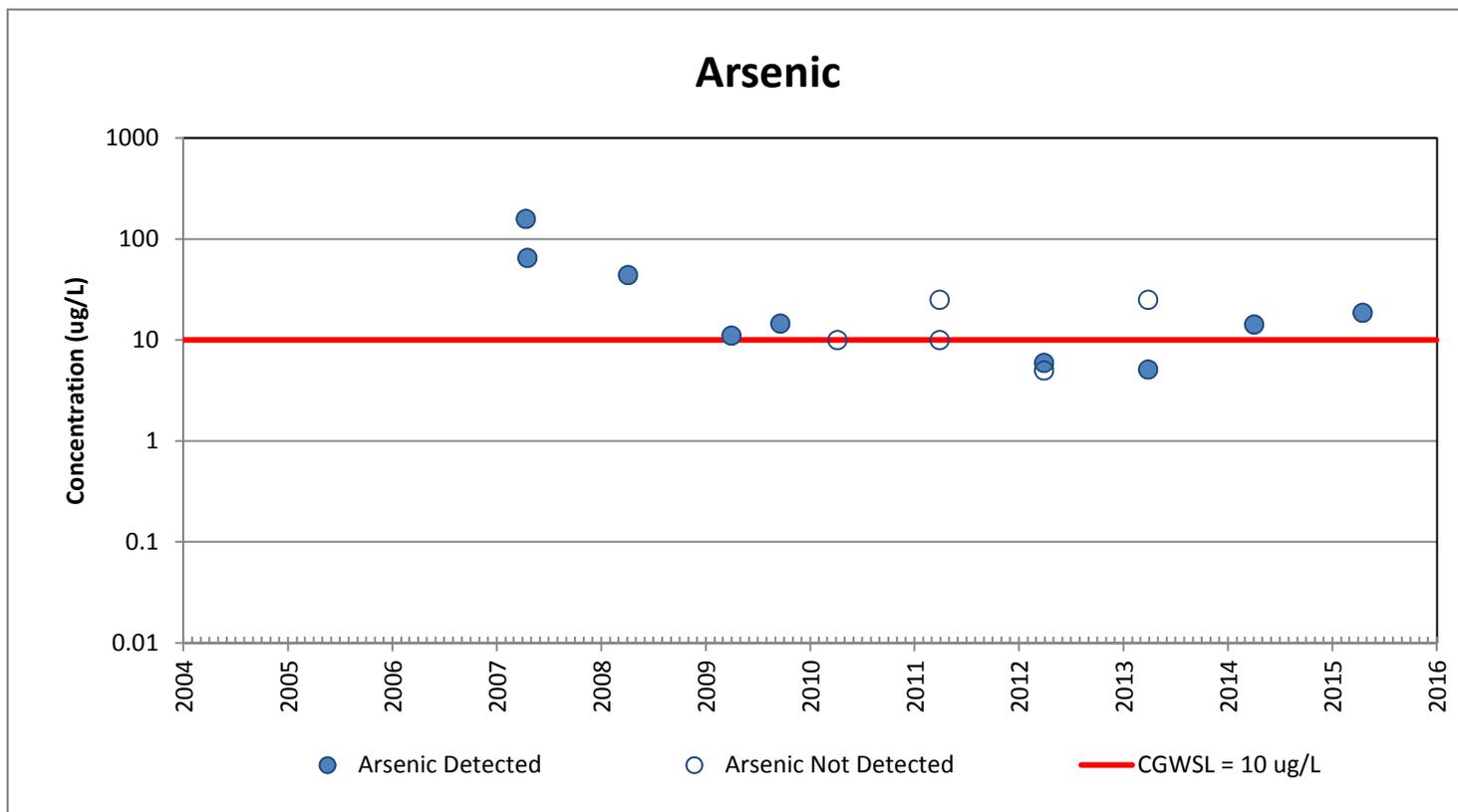
## MTBE



## Naphthalene

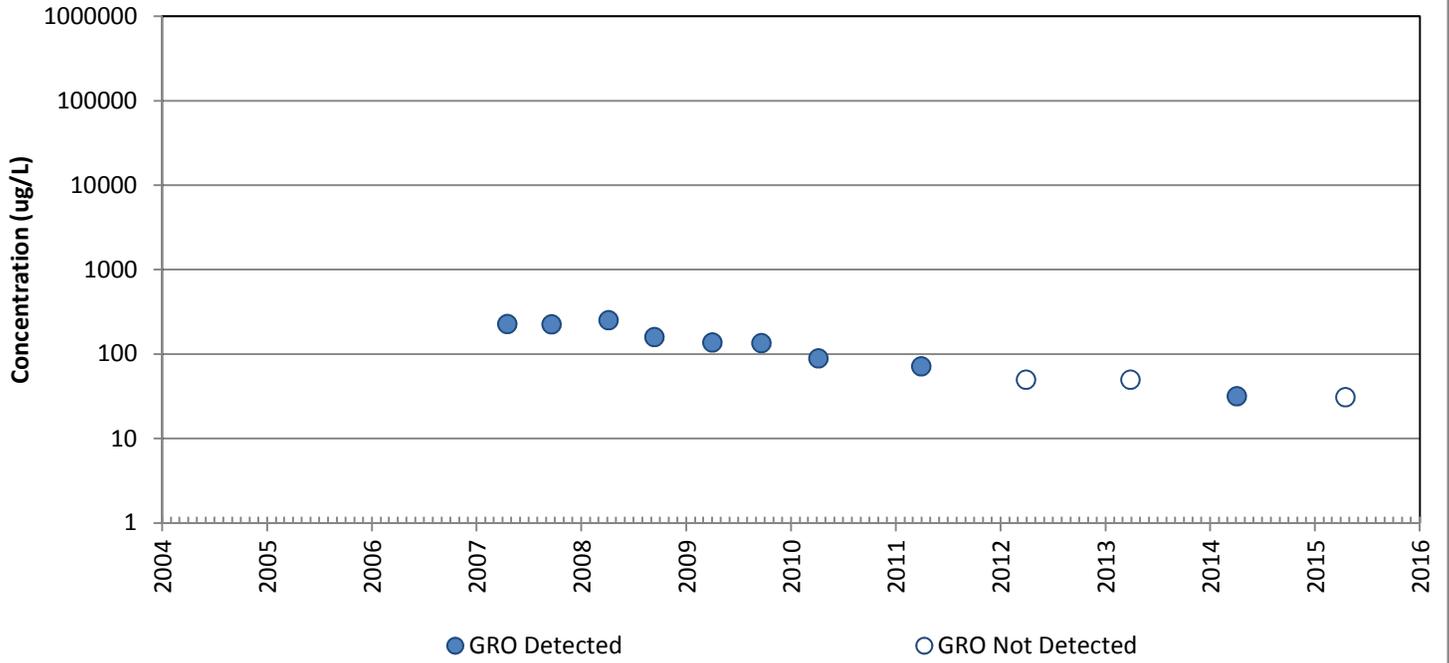


# MW-80

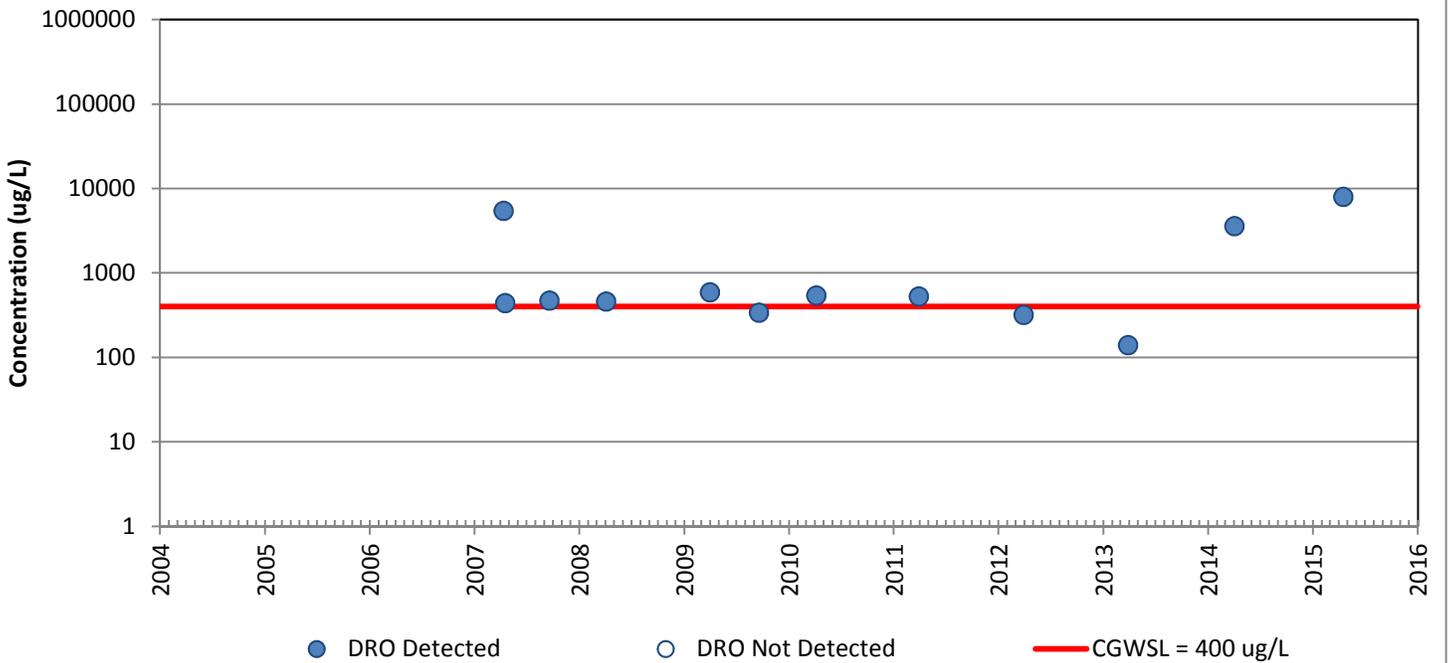


# MW-81

## GRO

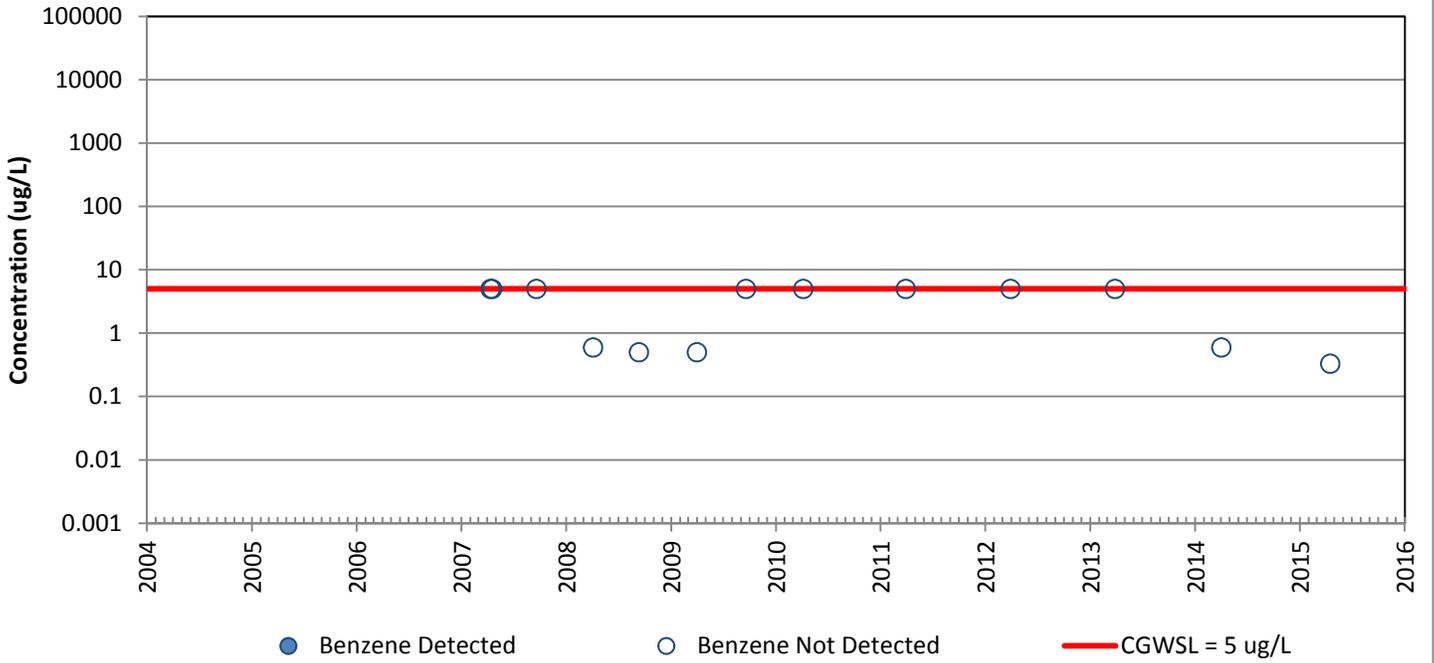


## DRO

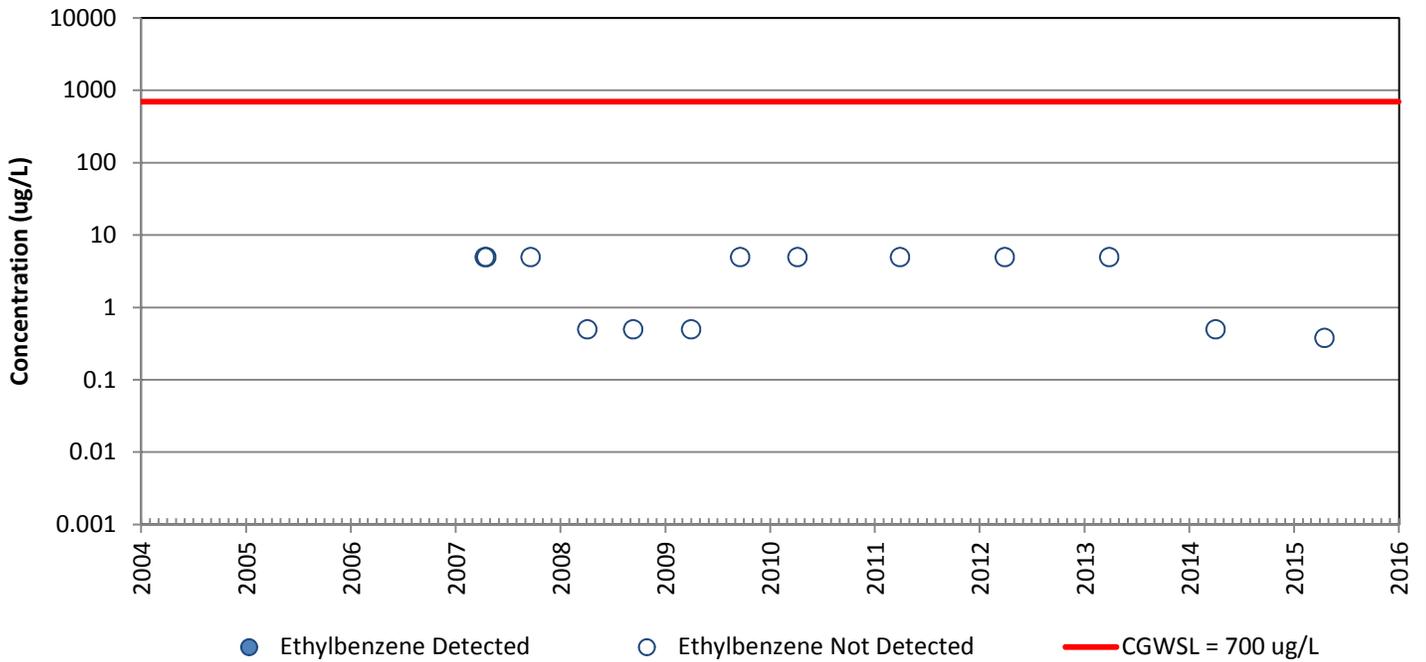


# MW-81

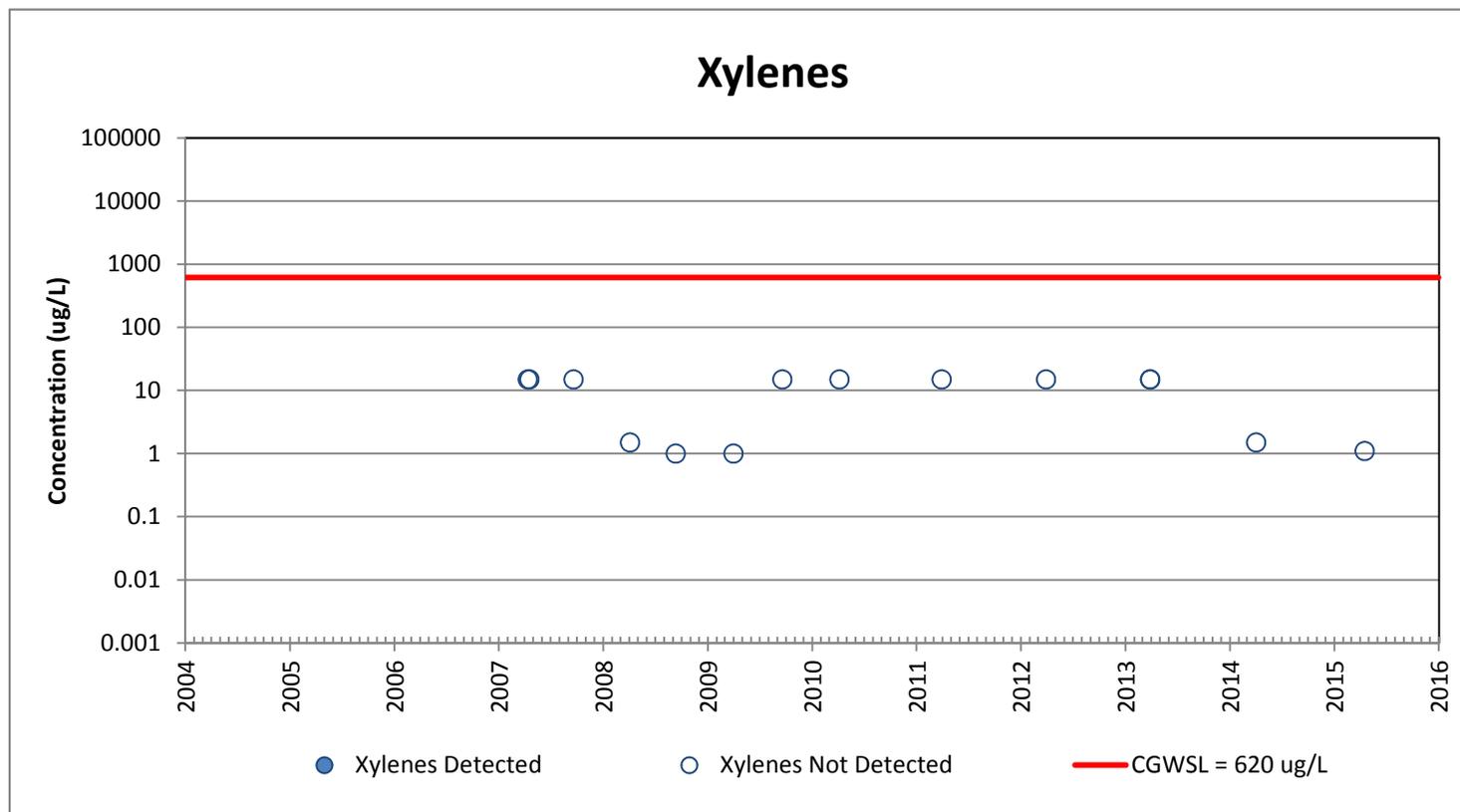
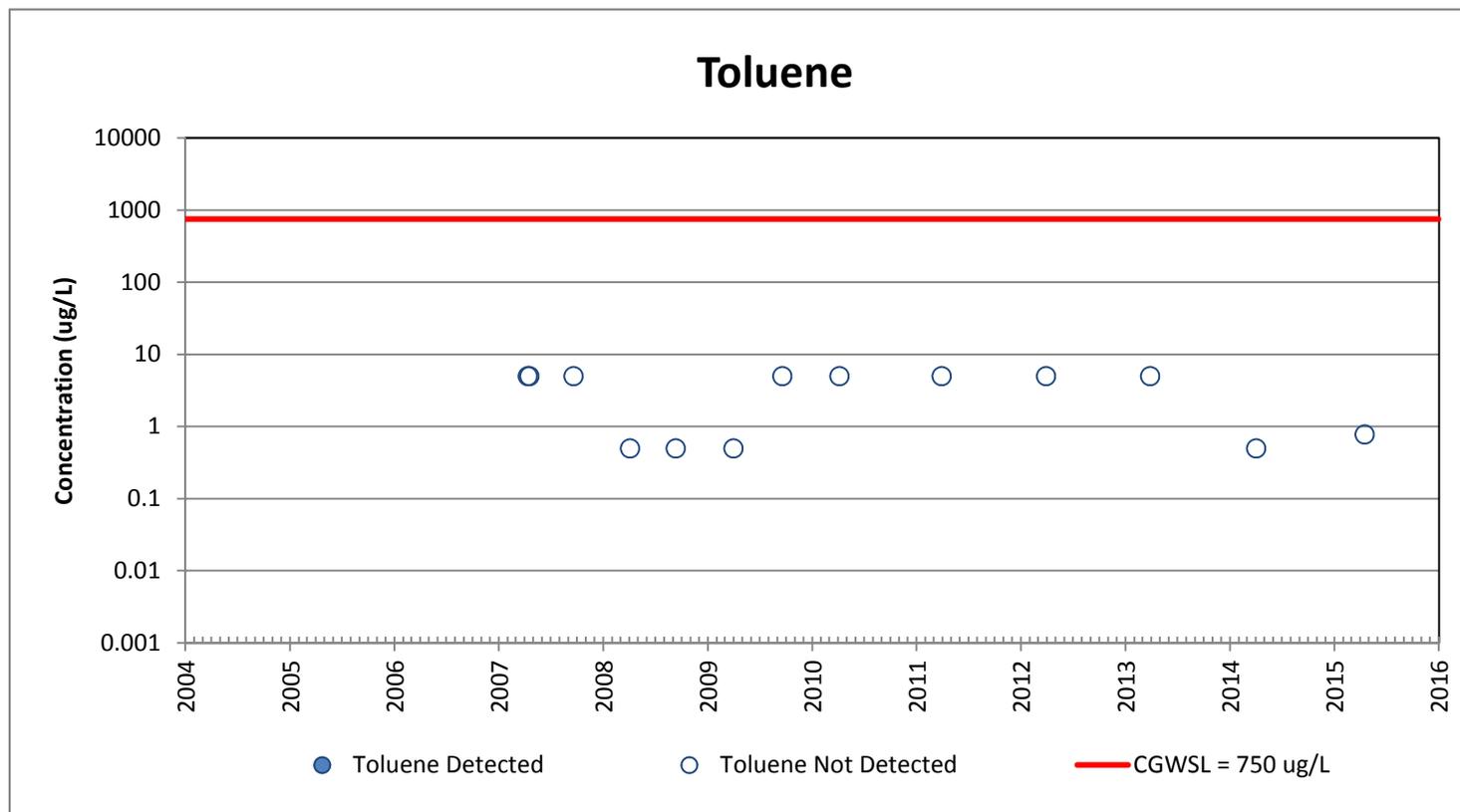
## Benzene



## Ethylbenzene

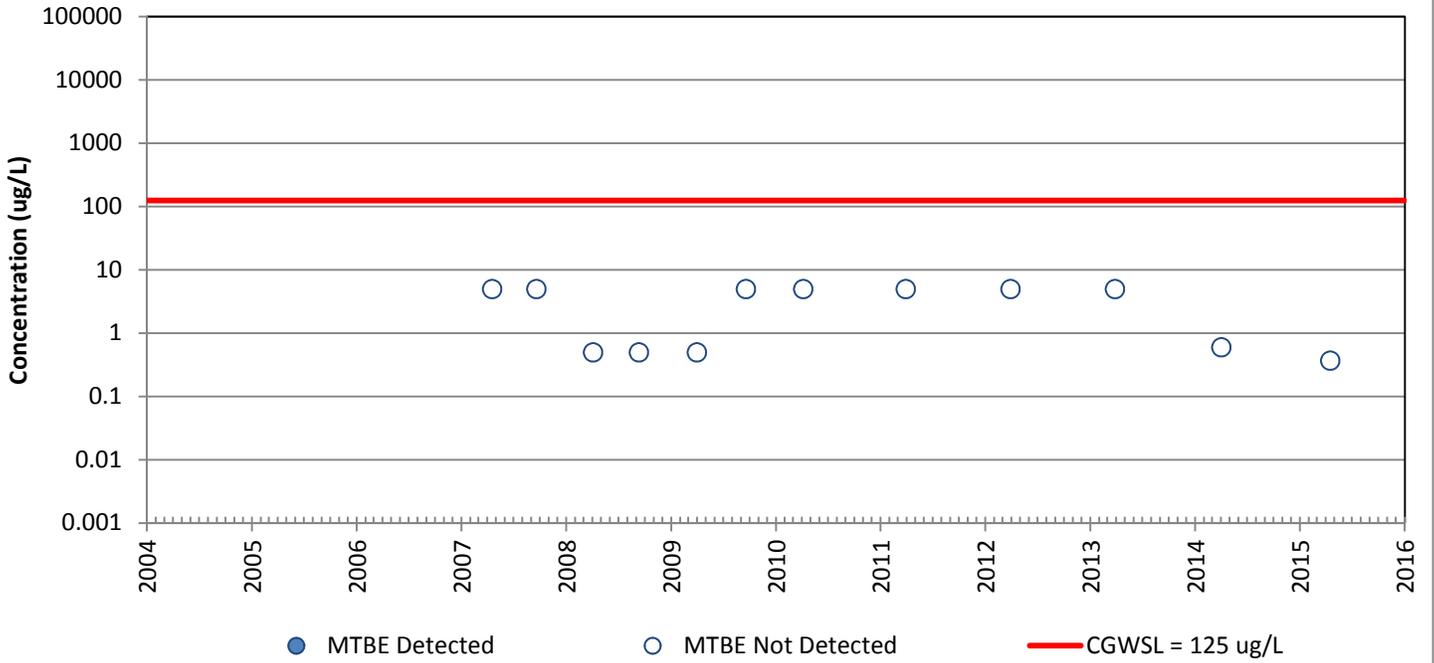


# MW-81

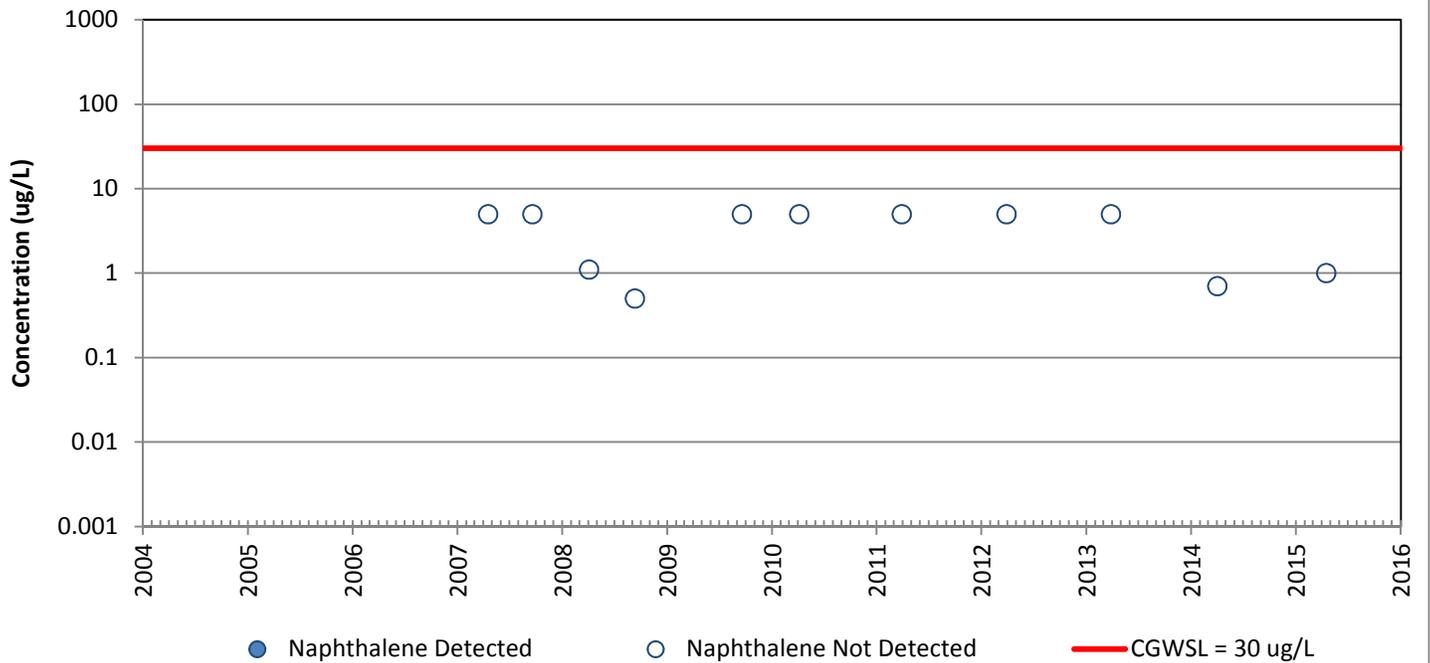


# MW-81

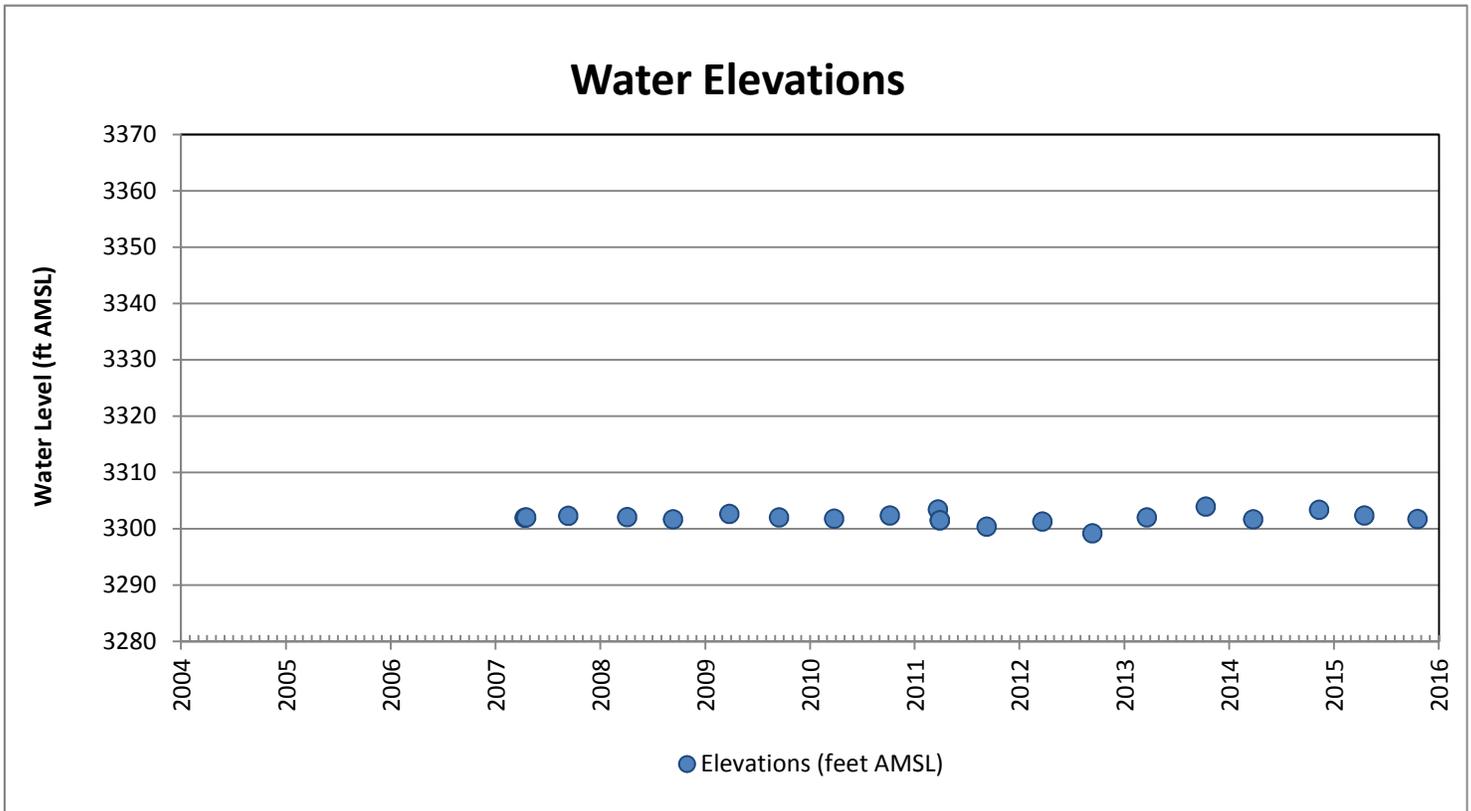
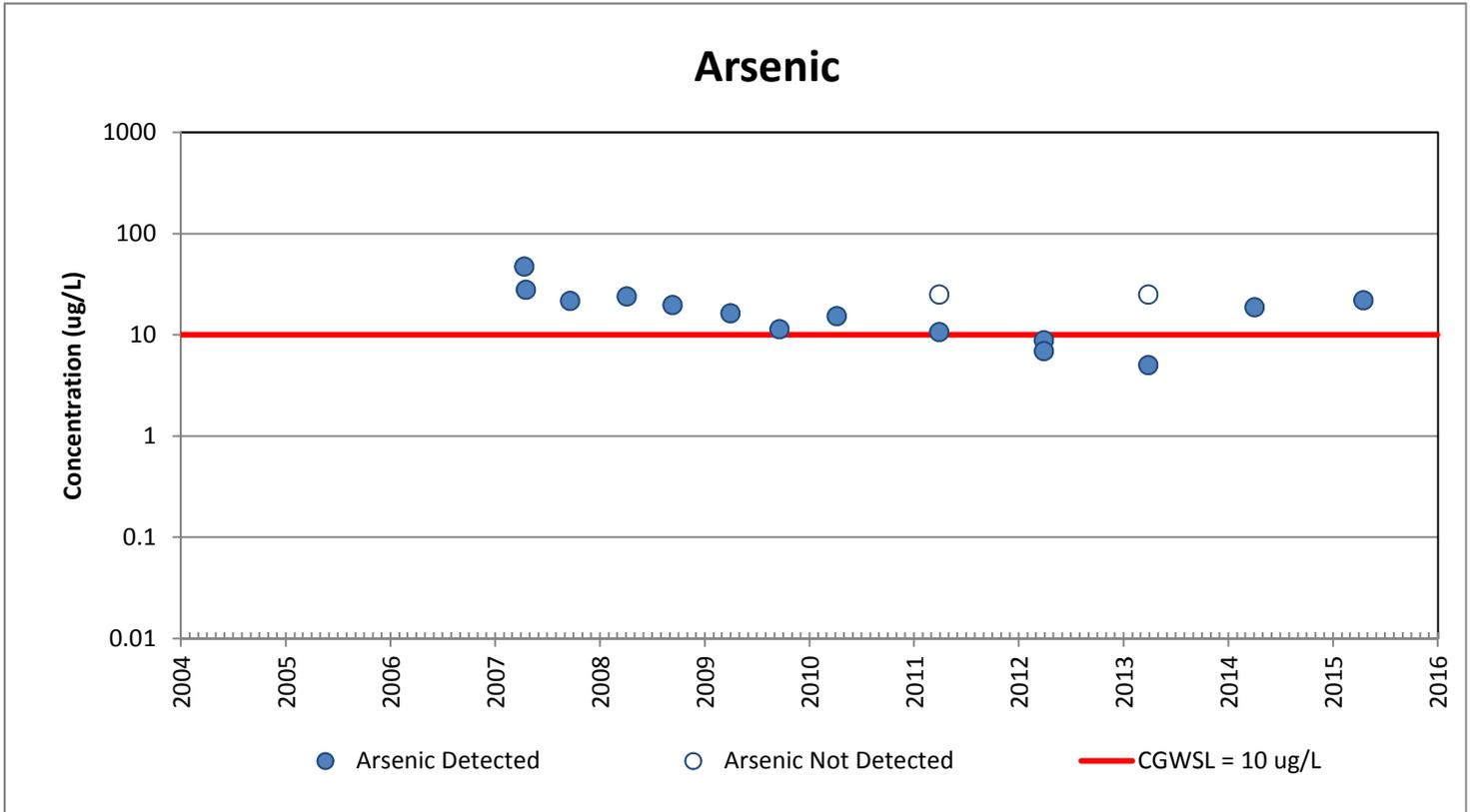
## MTBE



## Naphthalene

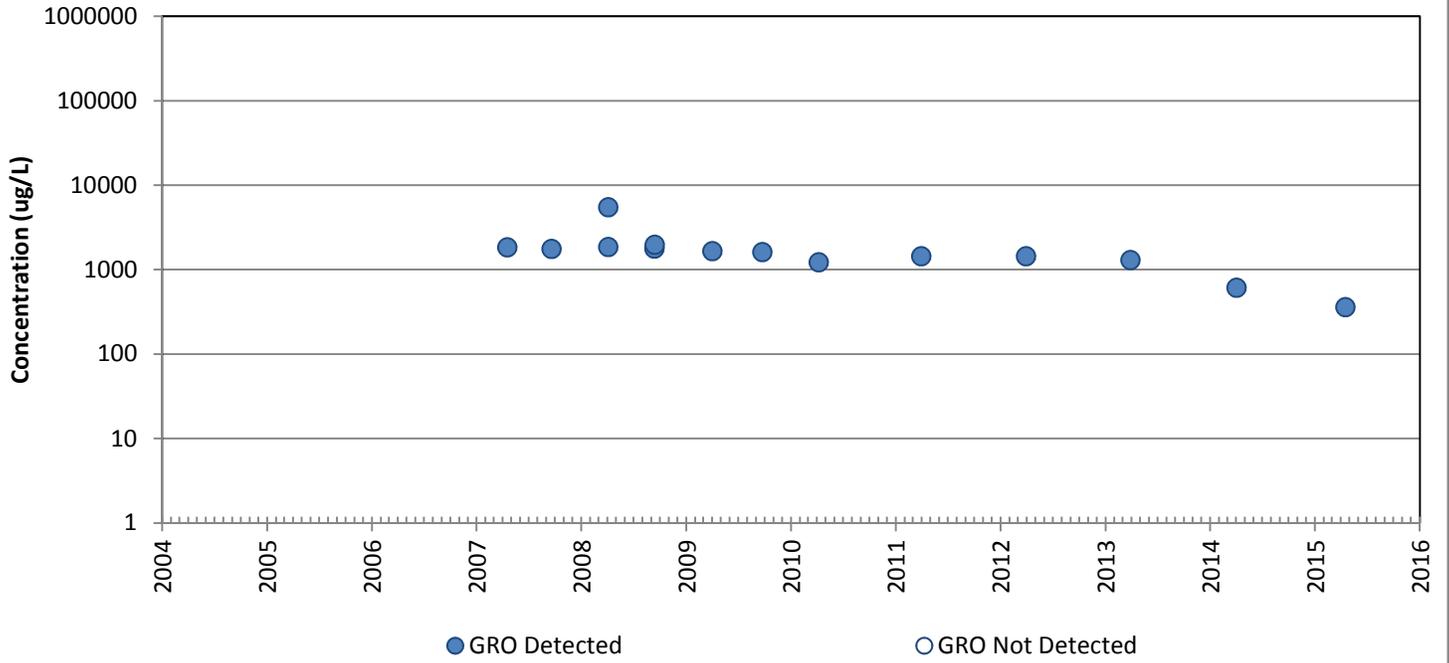


# MW-81

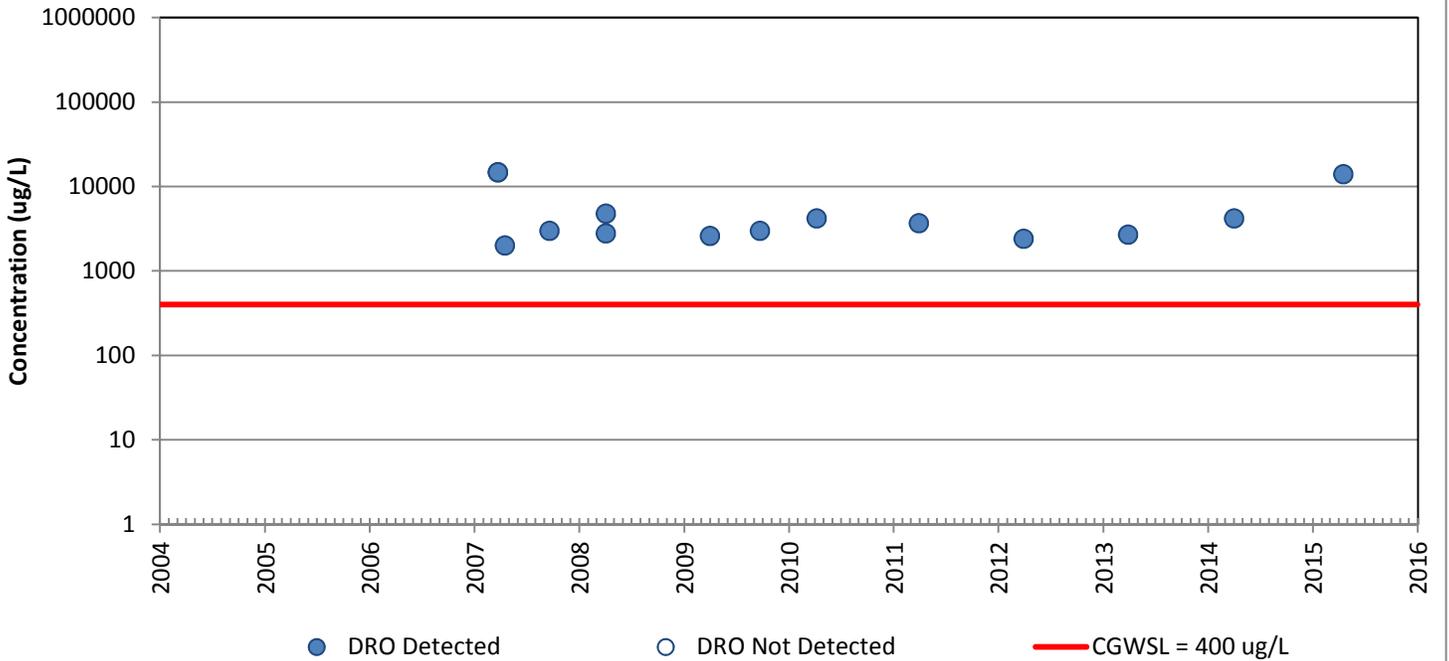


# MW-82

## GRO

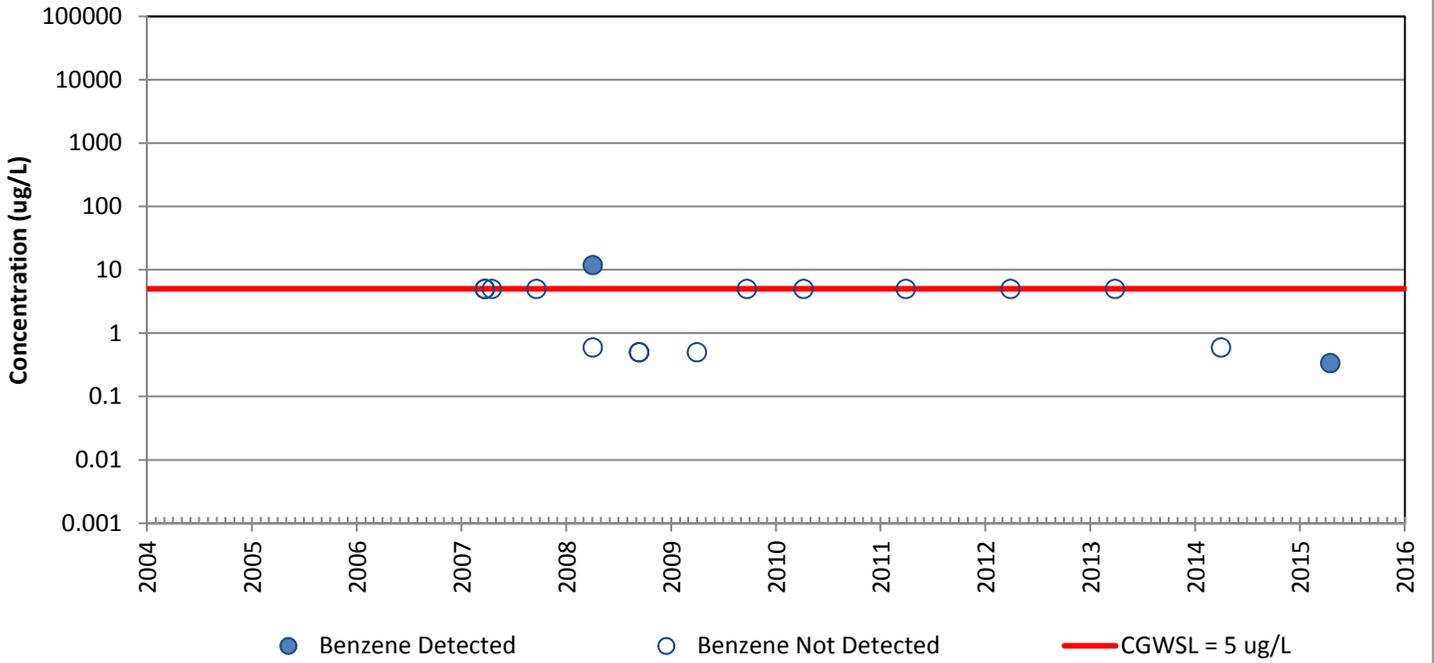


## DRO

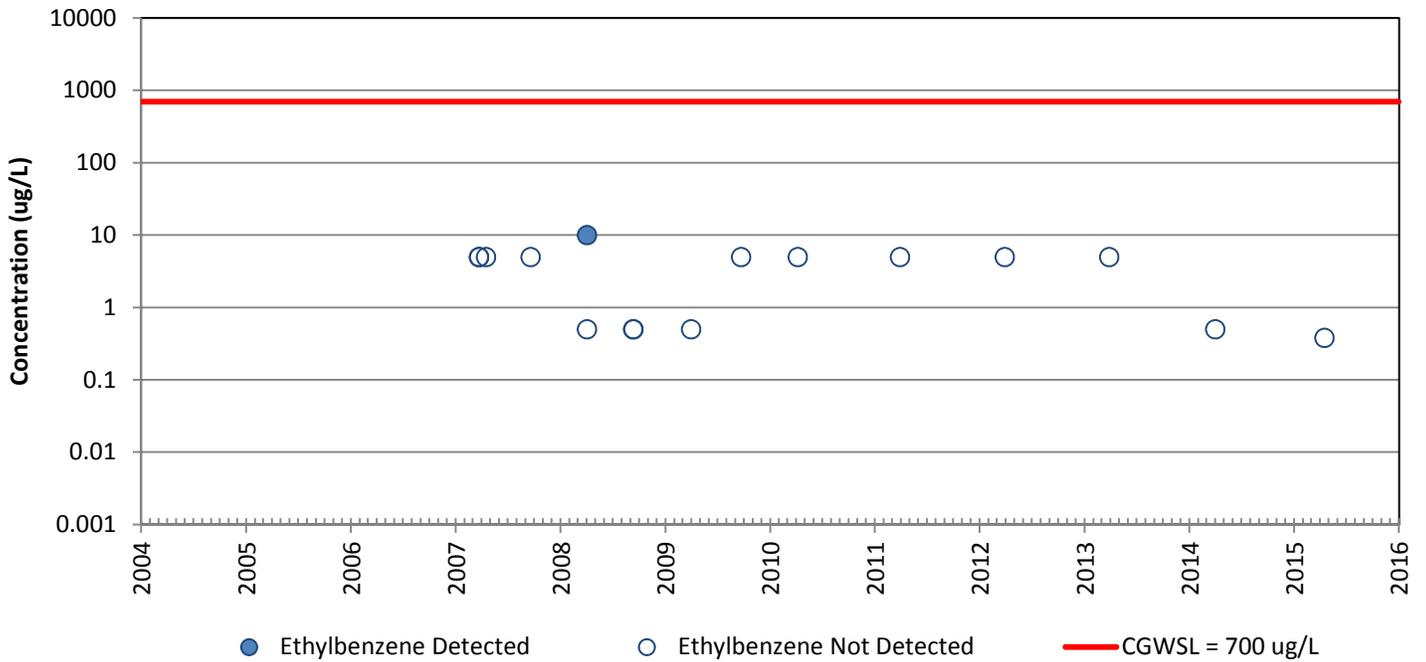


# MW-82

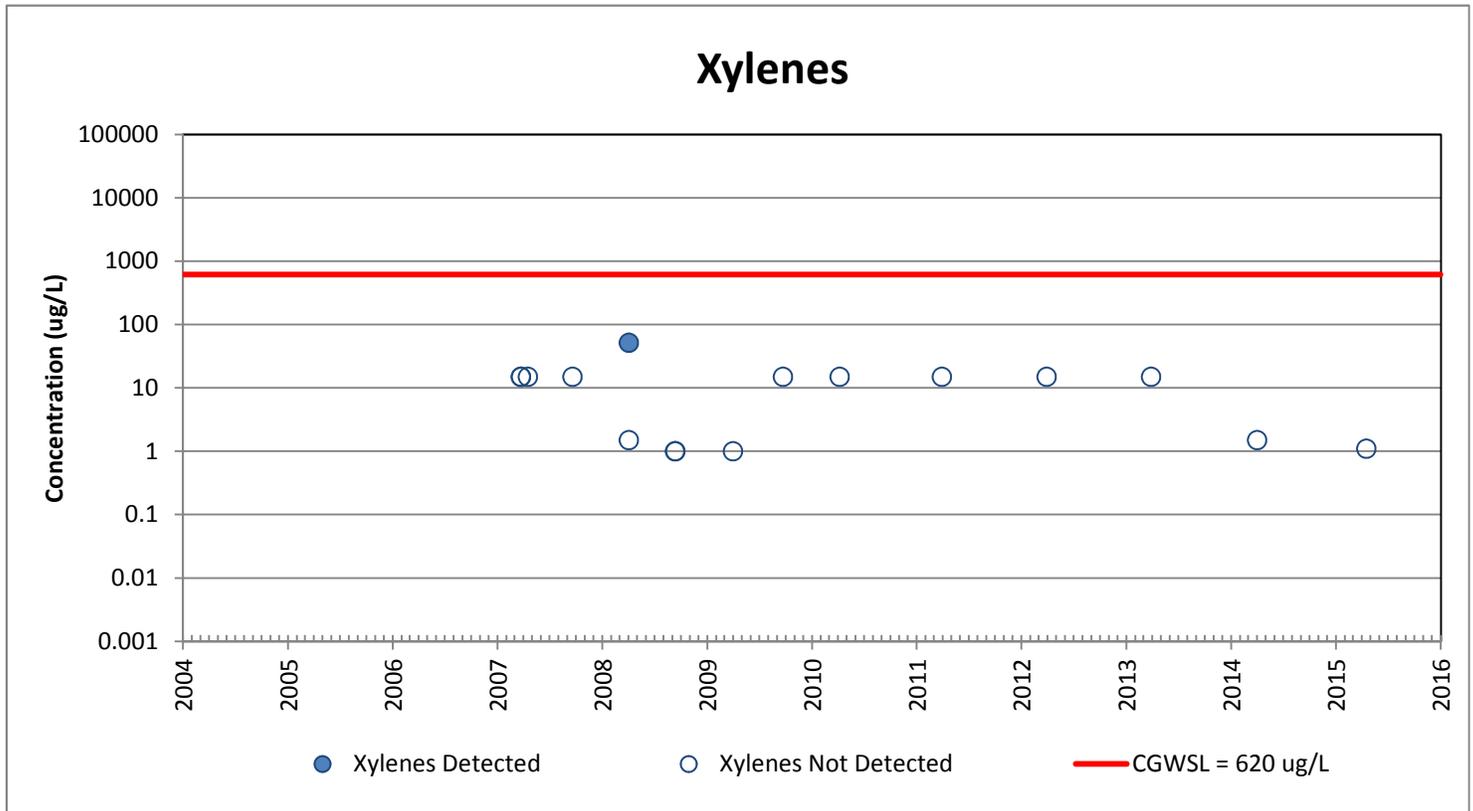
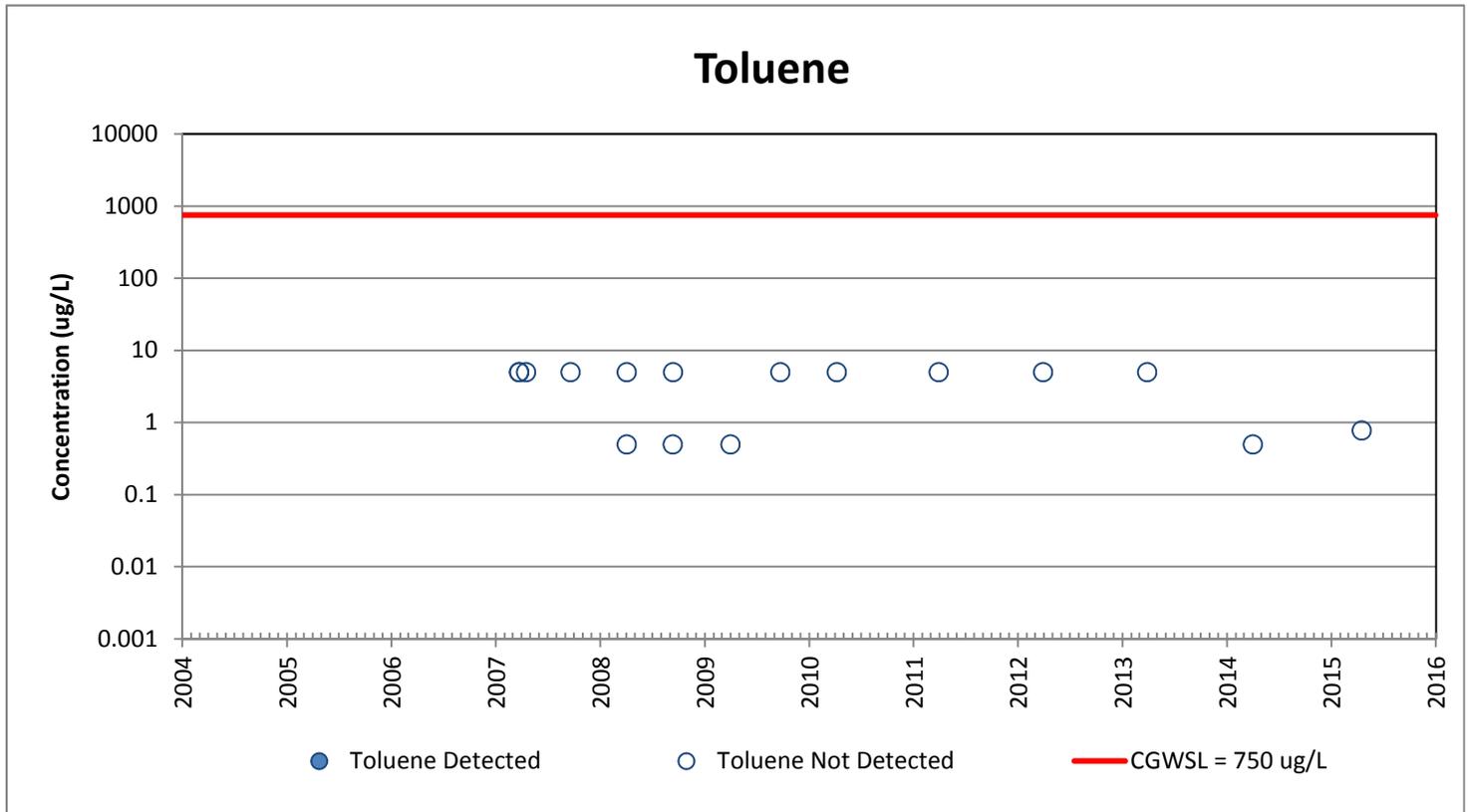
## Benzene



## Ethylbenzene

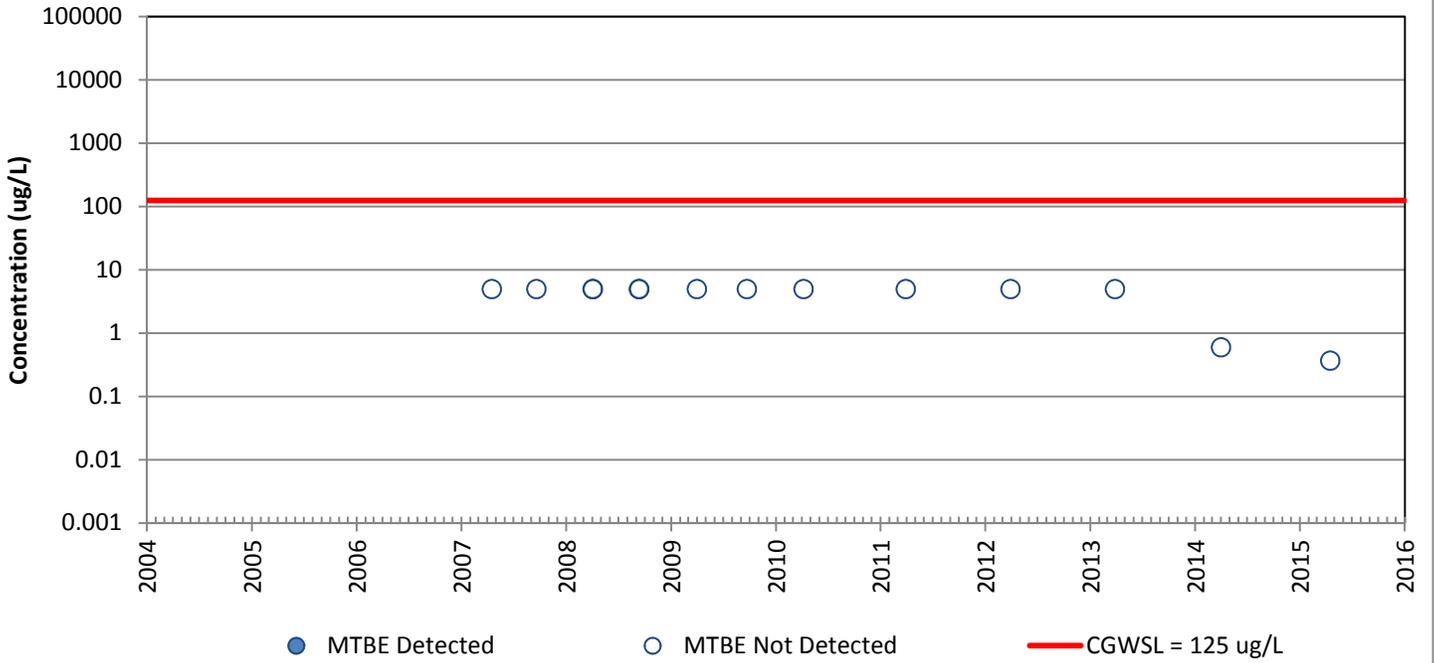


# MW-82

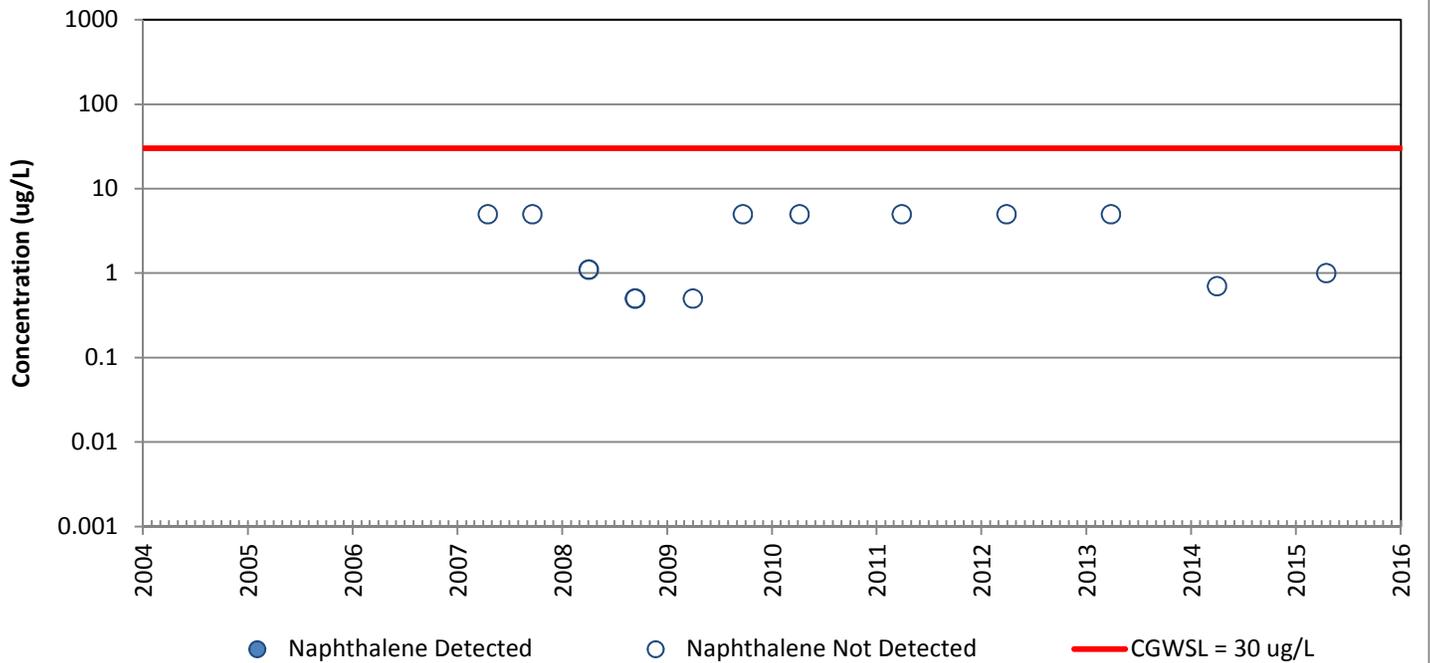


# MW-82

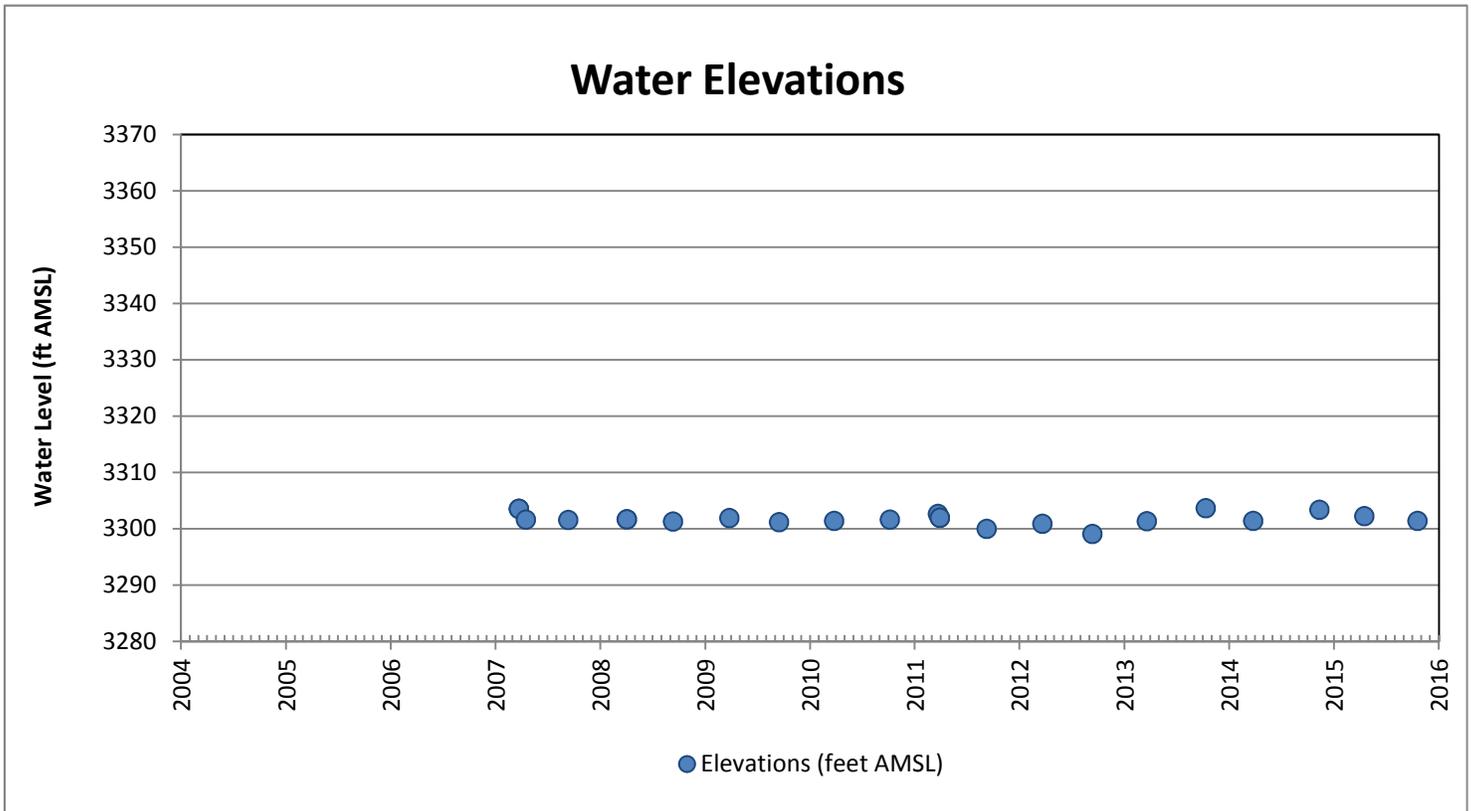
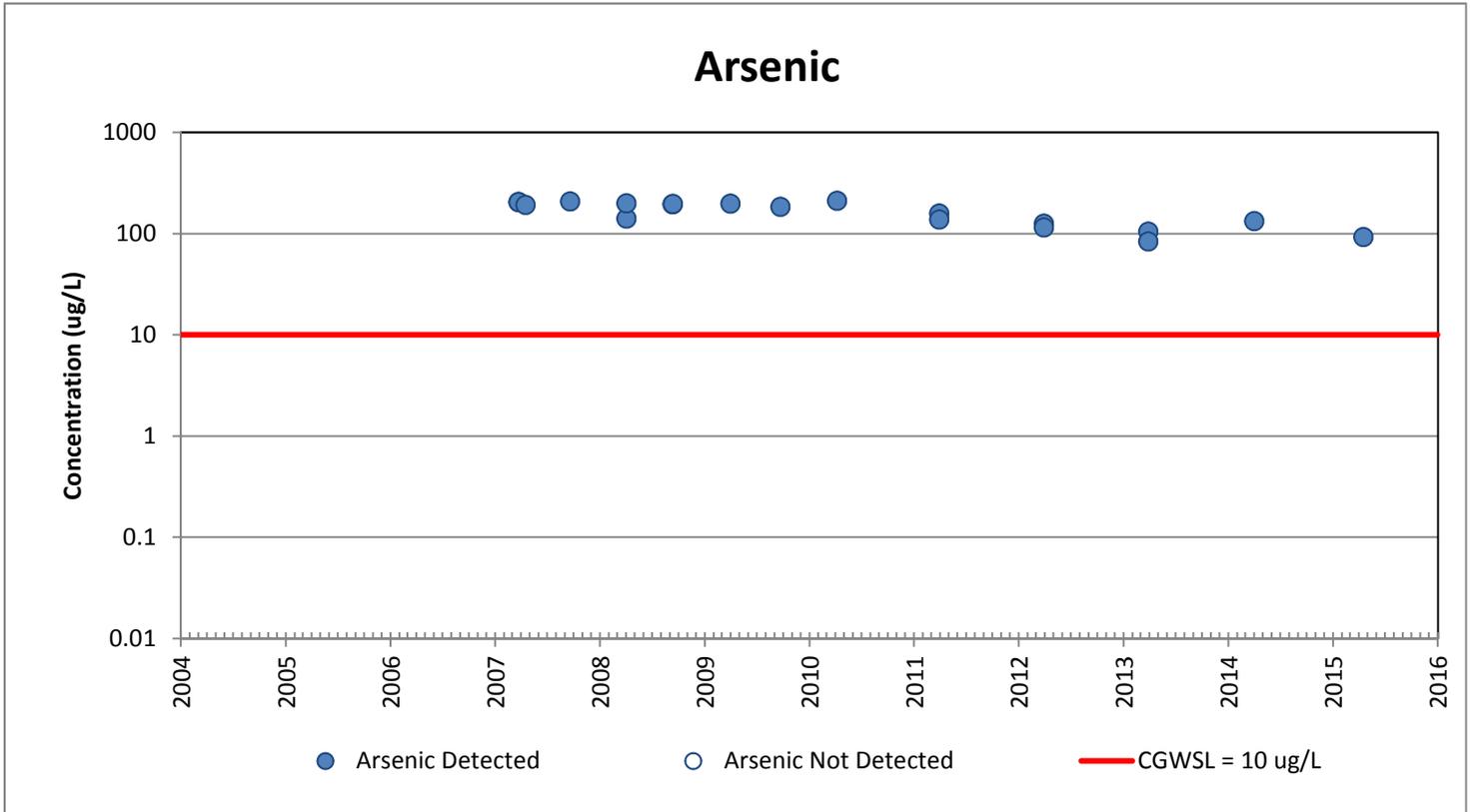
## MTBE



## Naphthalene

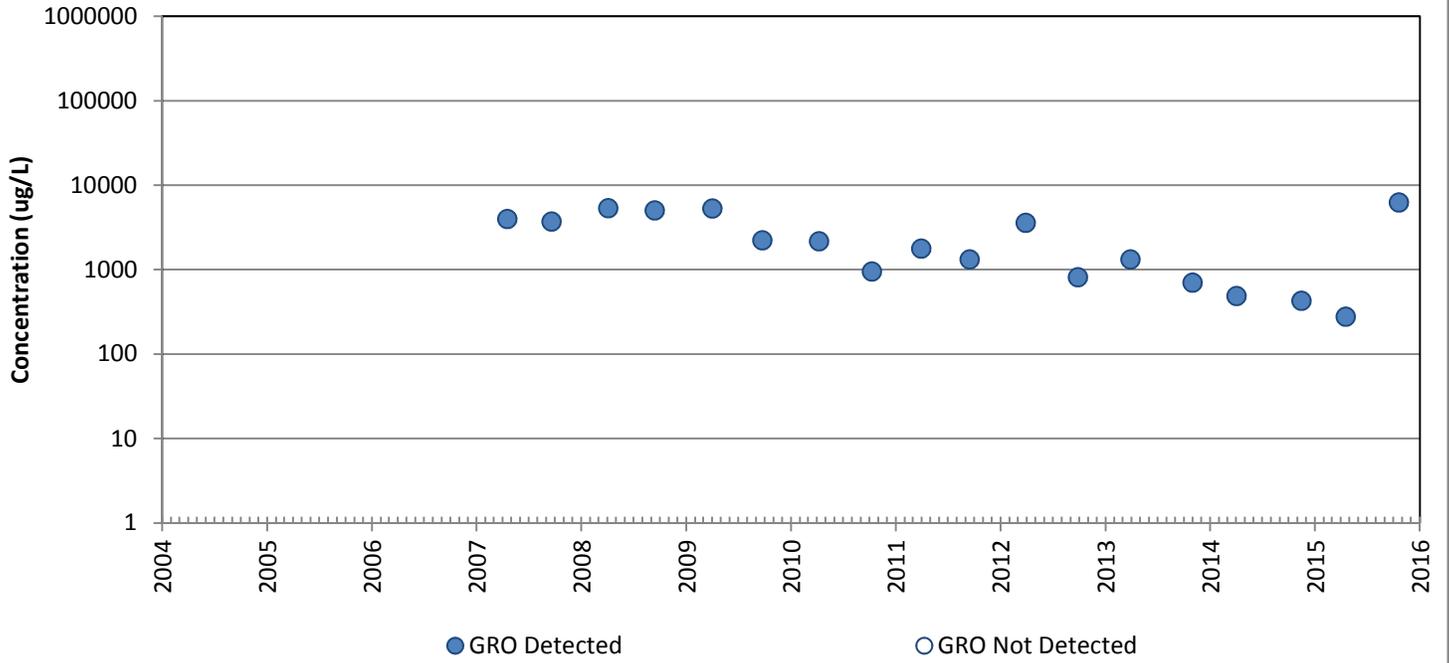


# MW-82

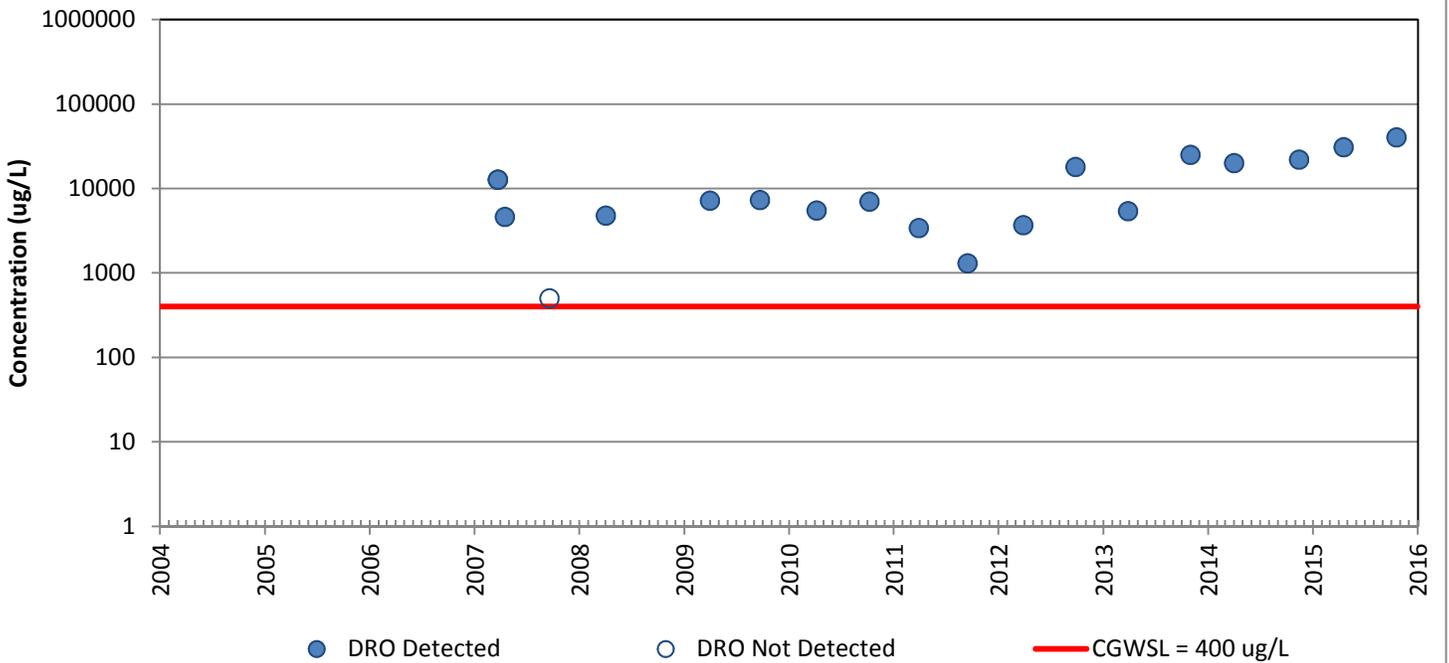


# MW-83

## GRO

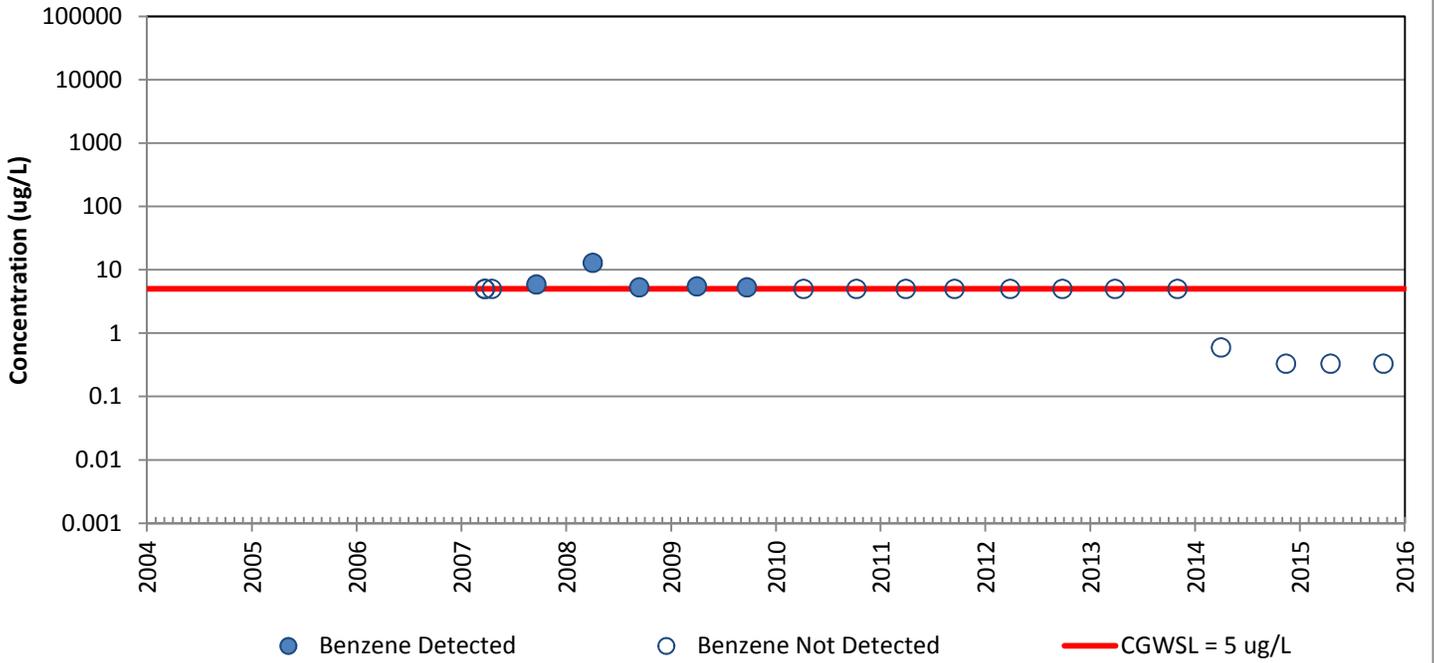


## DRO

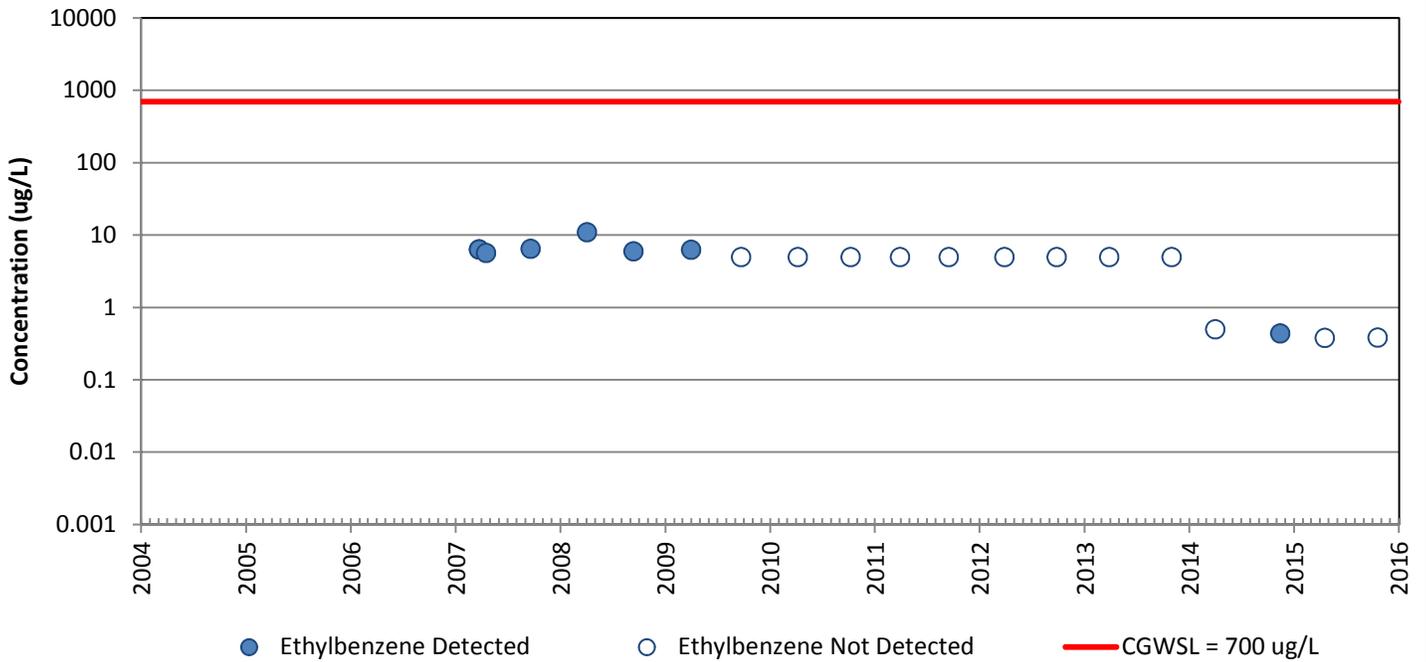


# MW-83

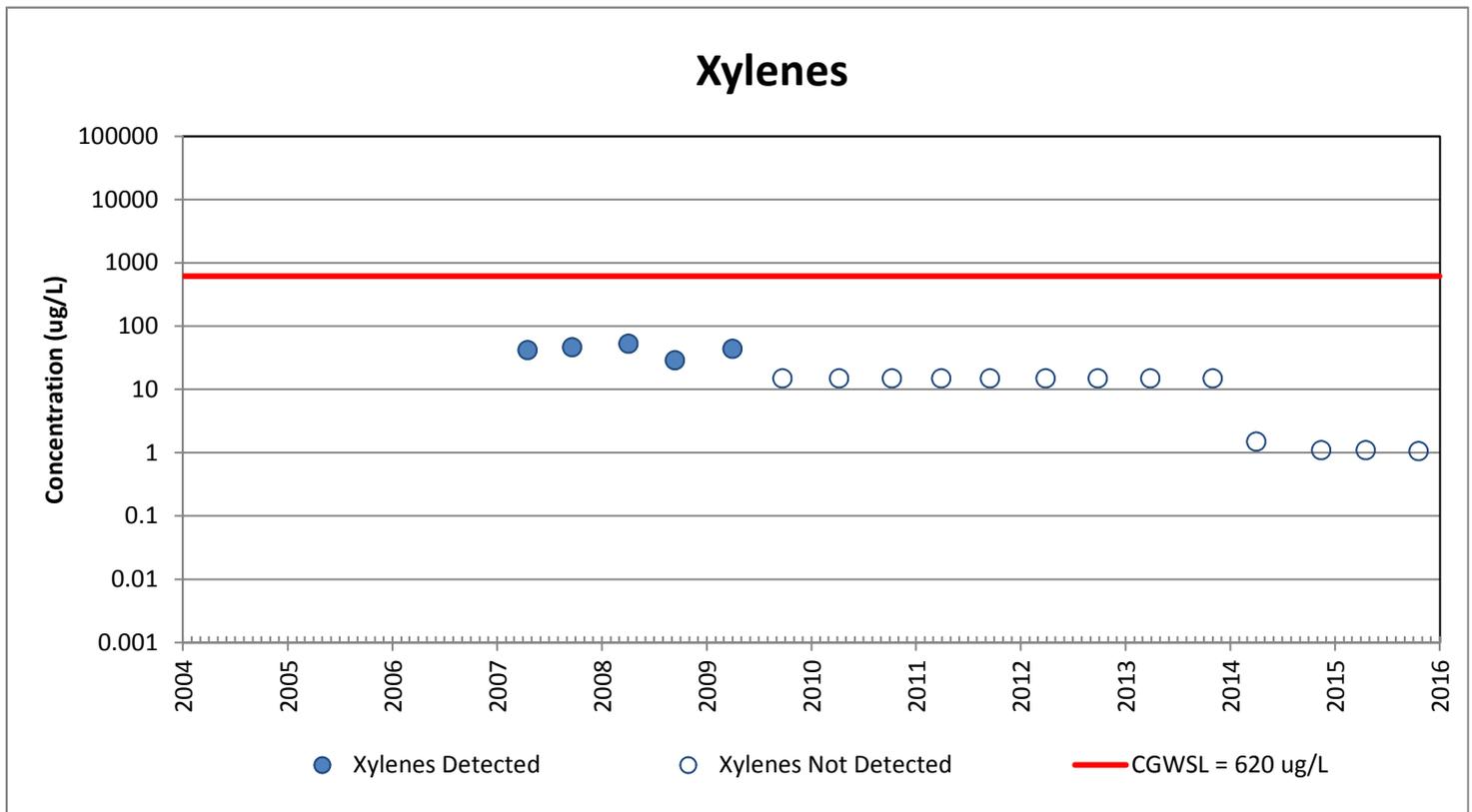
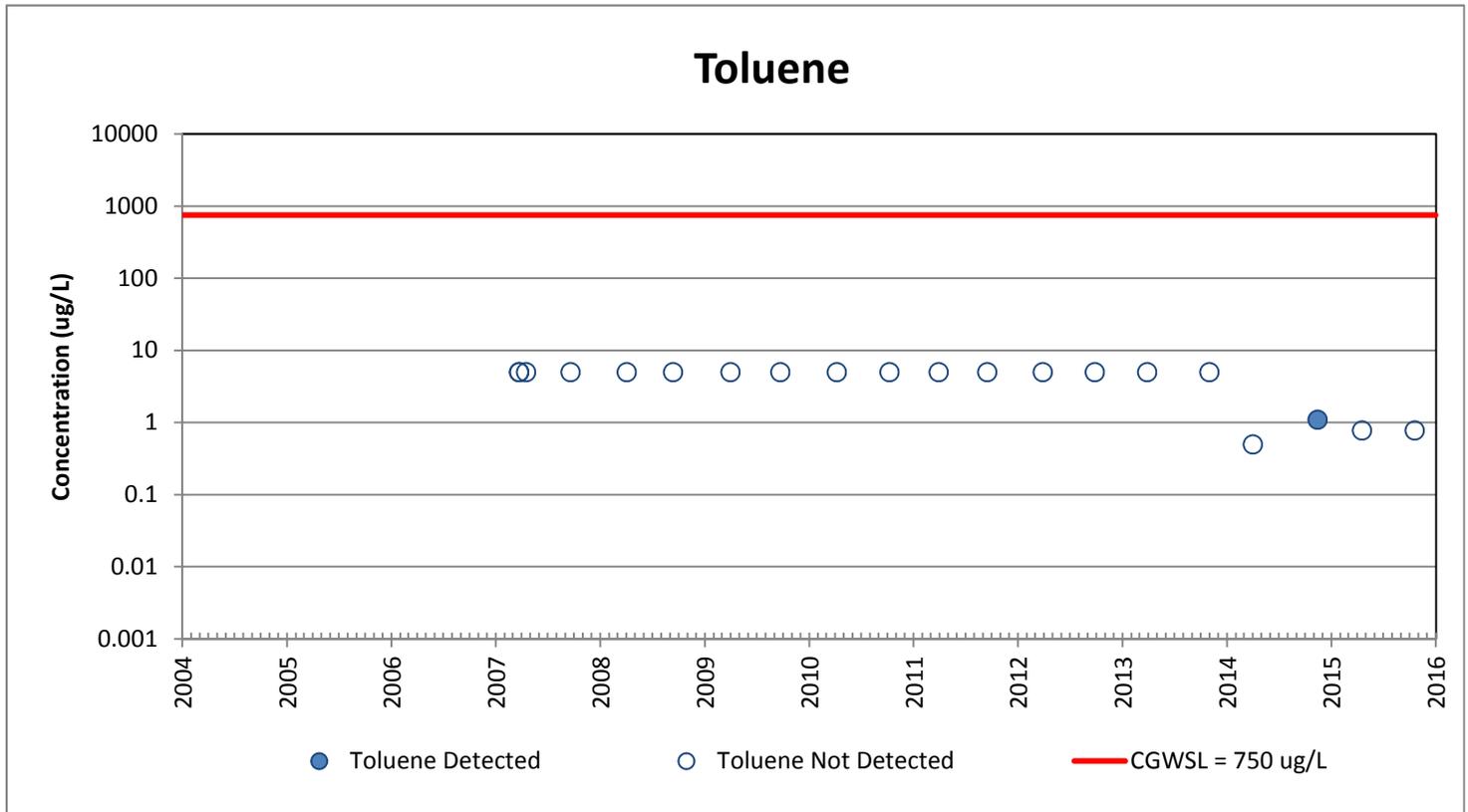
## Benzene



## Ethylbenzene

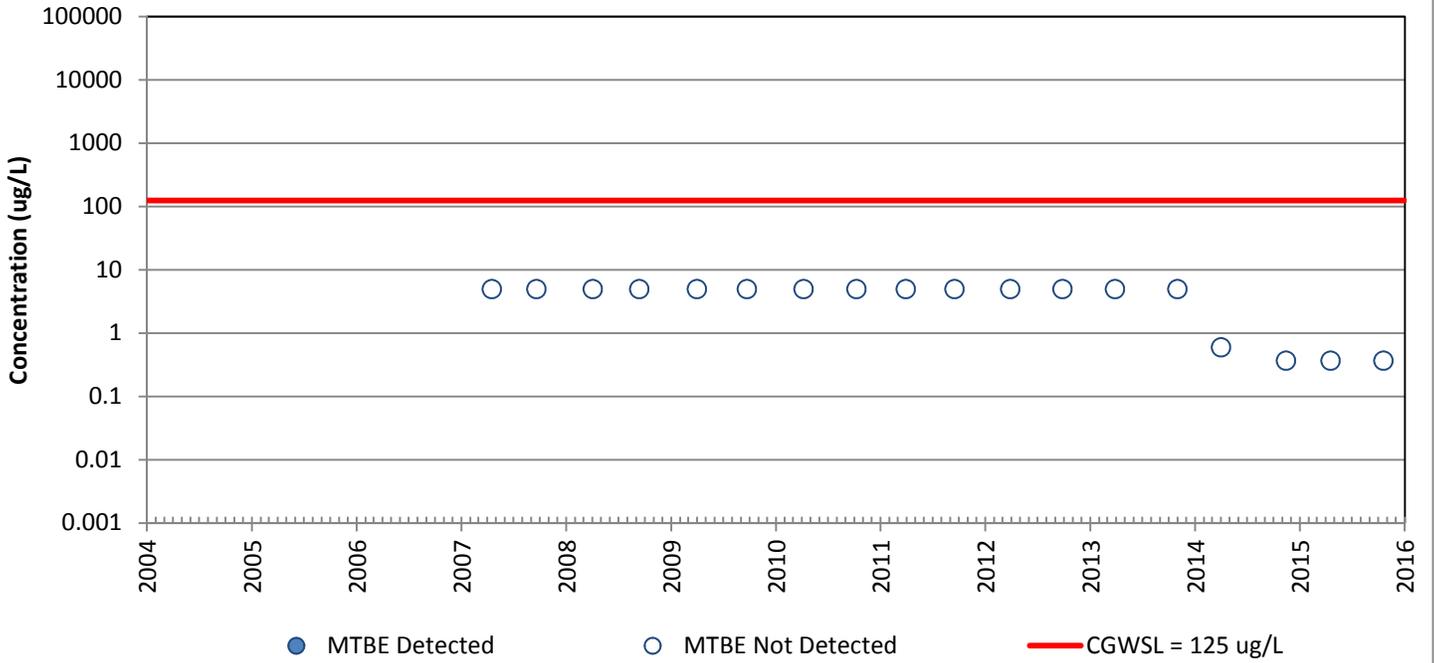


# MW-83

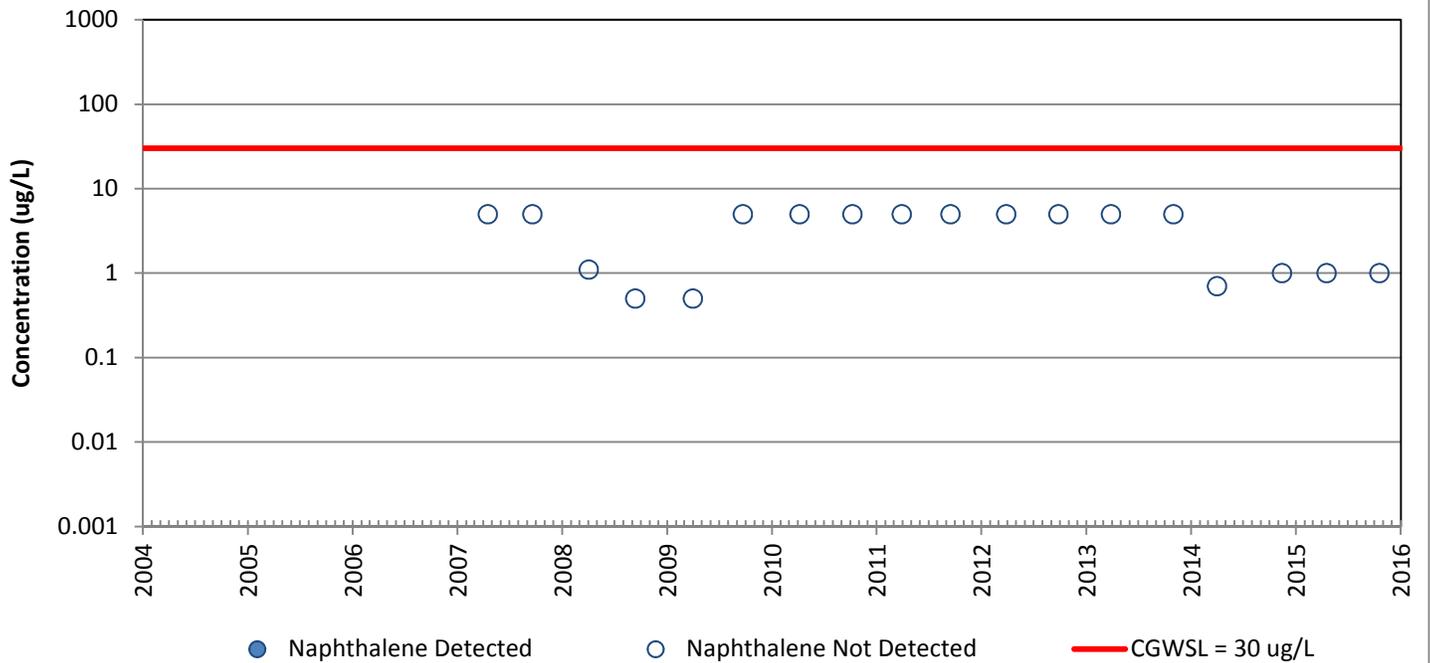


# MW-83

## MTBE

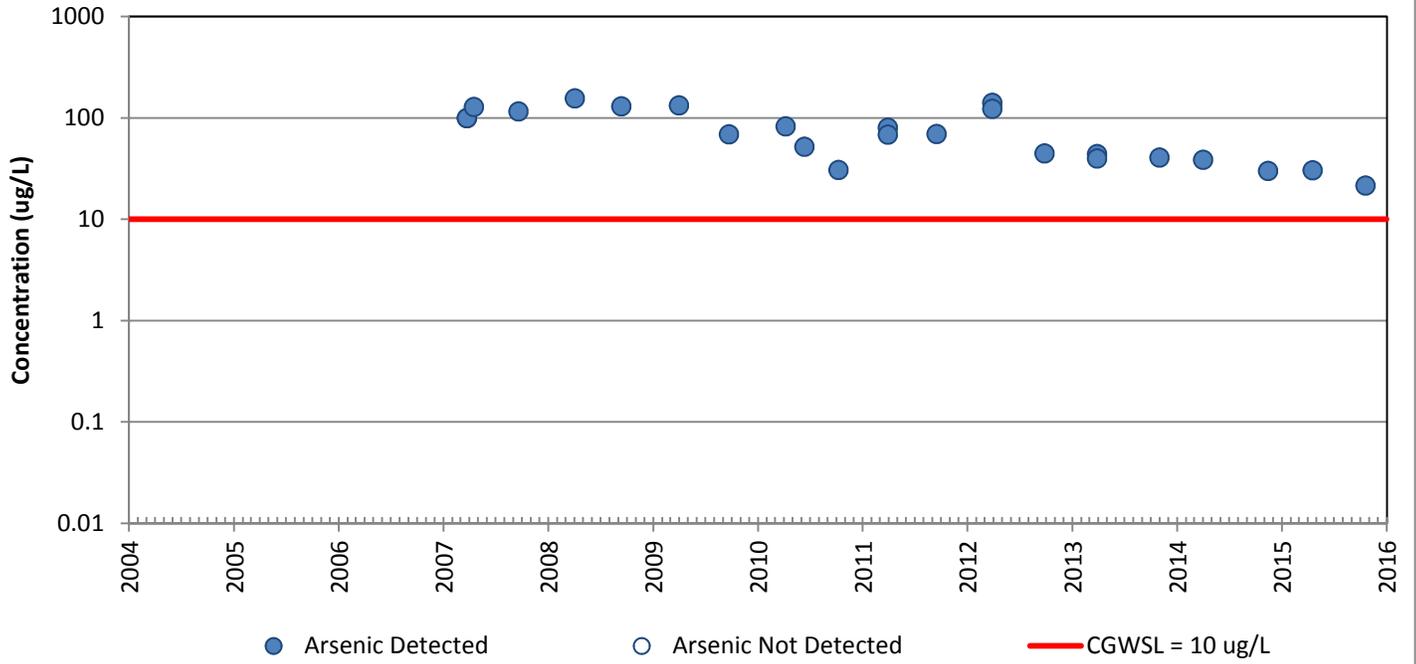


## Naphthalene

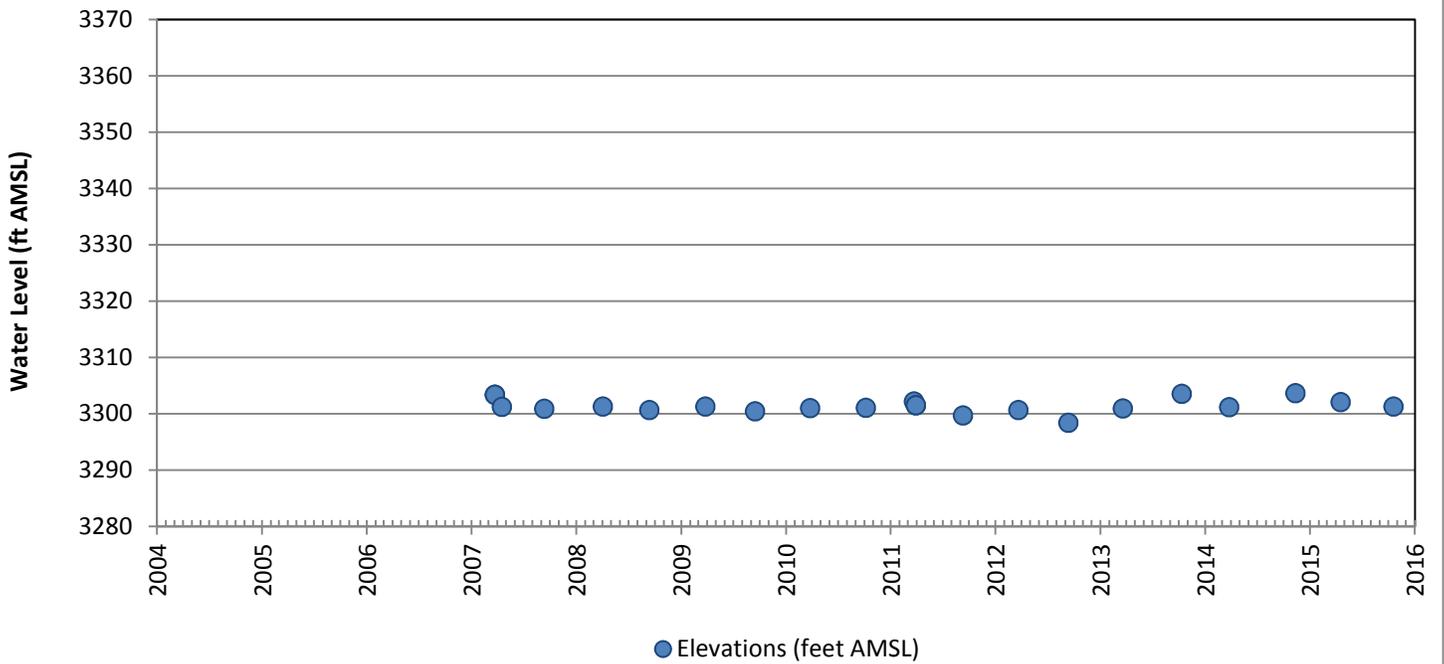


# MW-83

## Arsenic

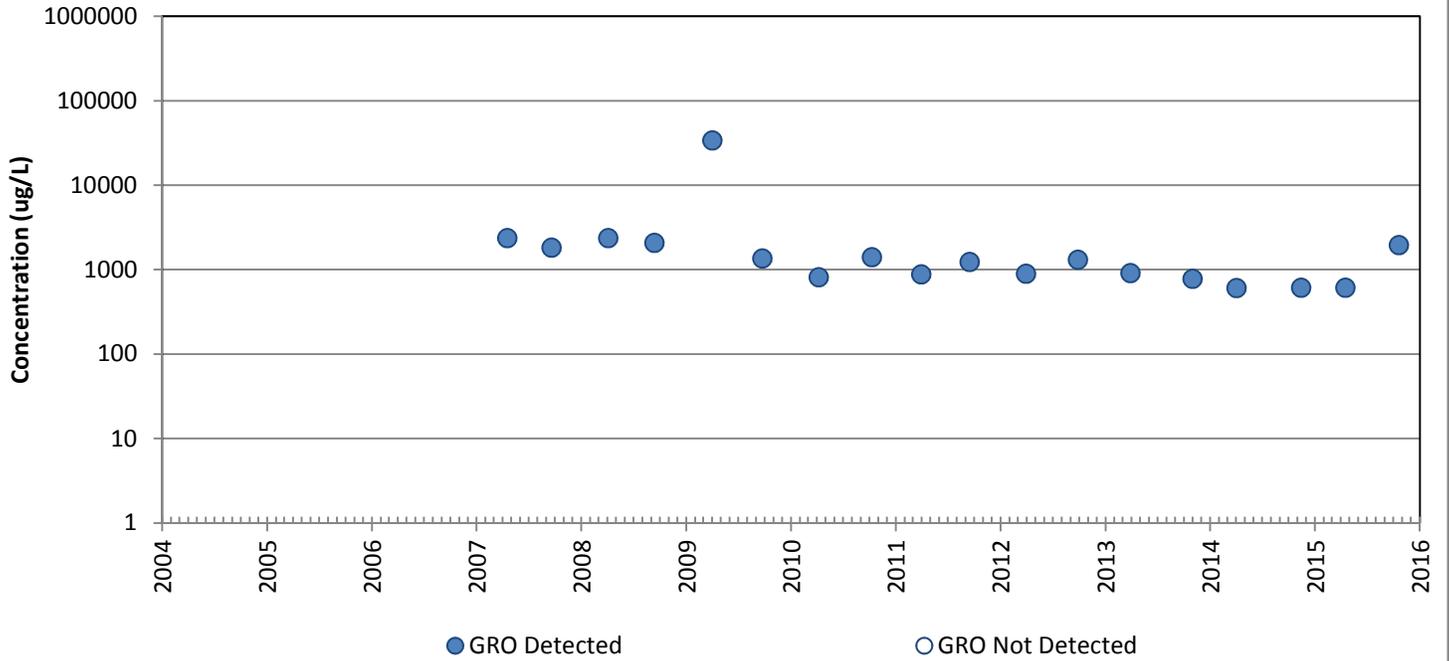


## Water Elevations

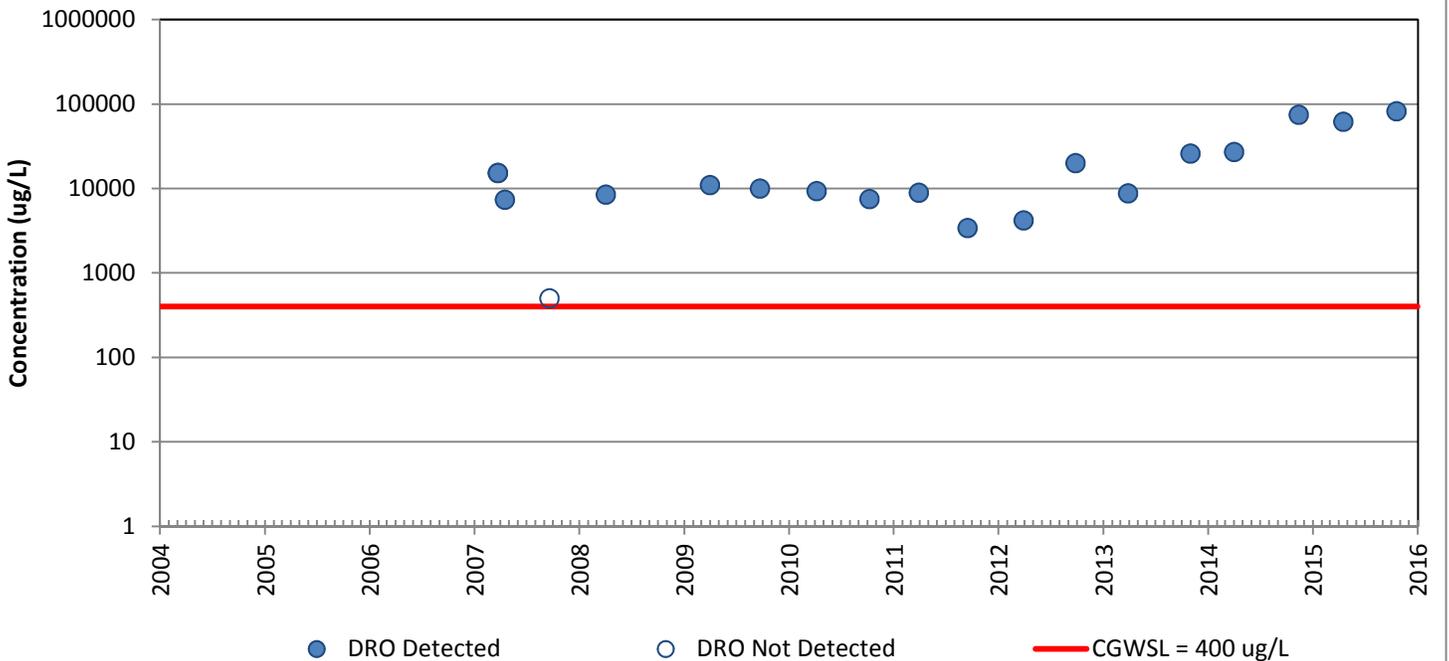


# MW-84

## GRO

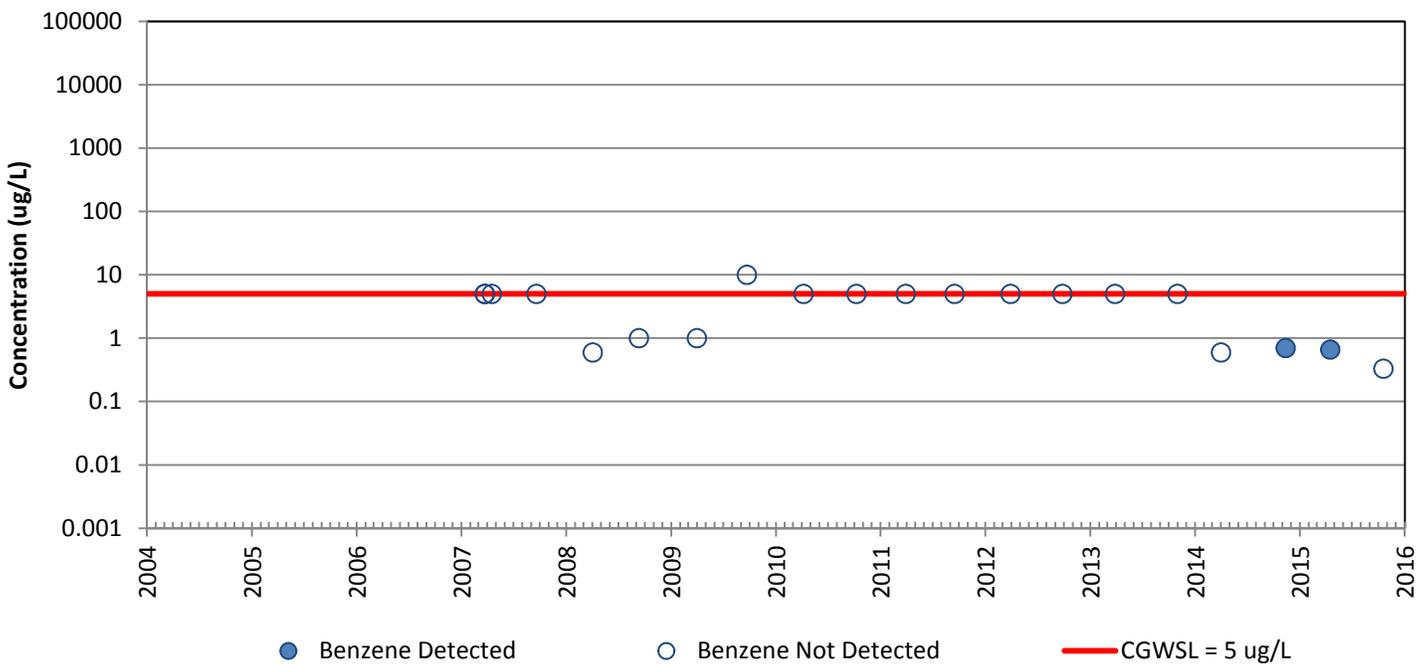


## DRO

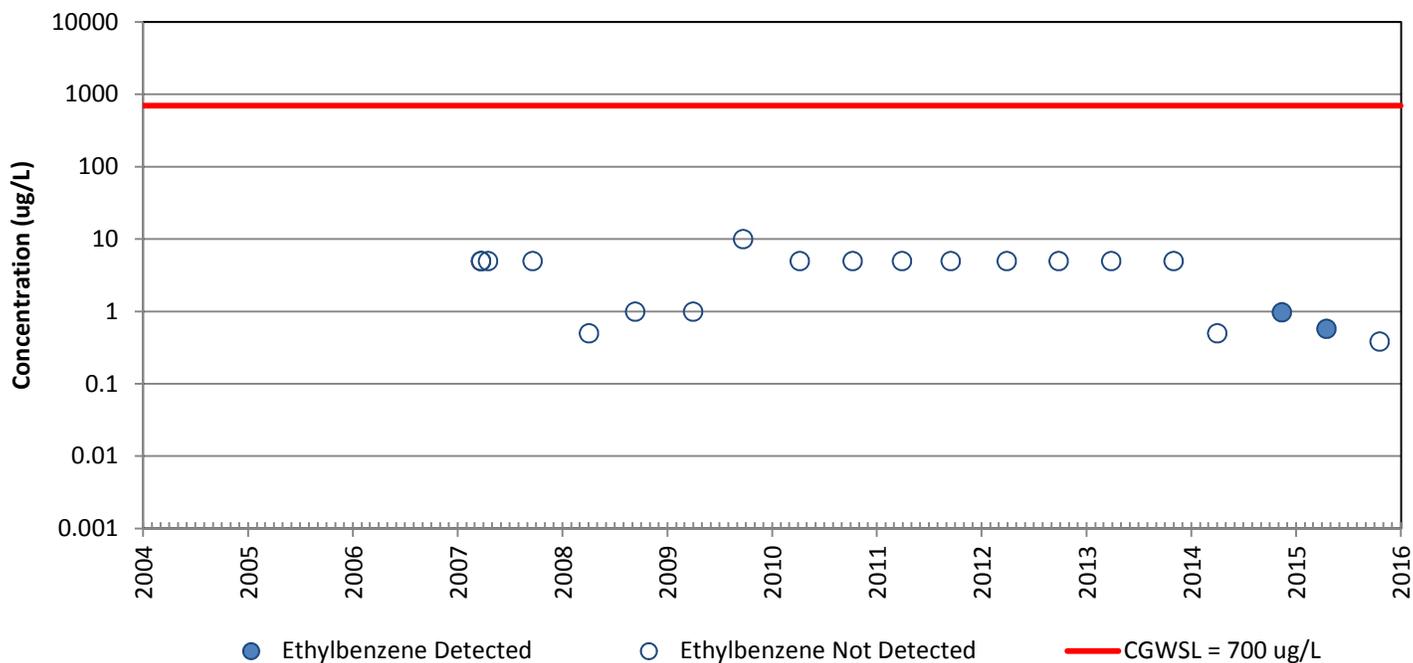


# MW-84

## Benzene

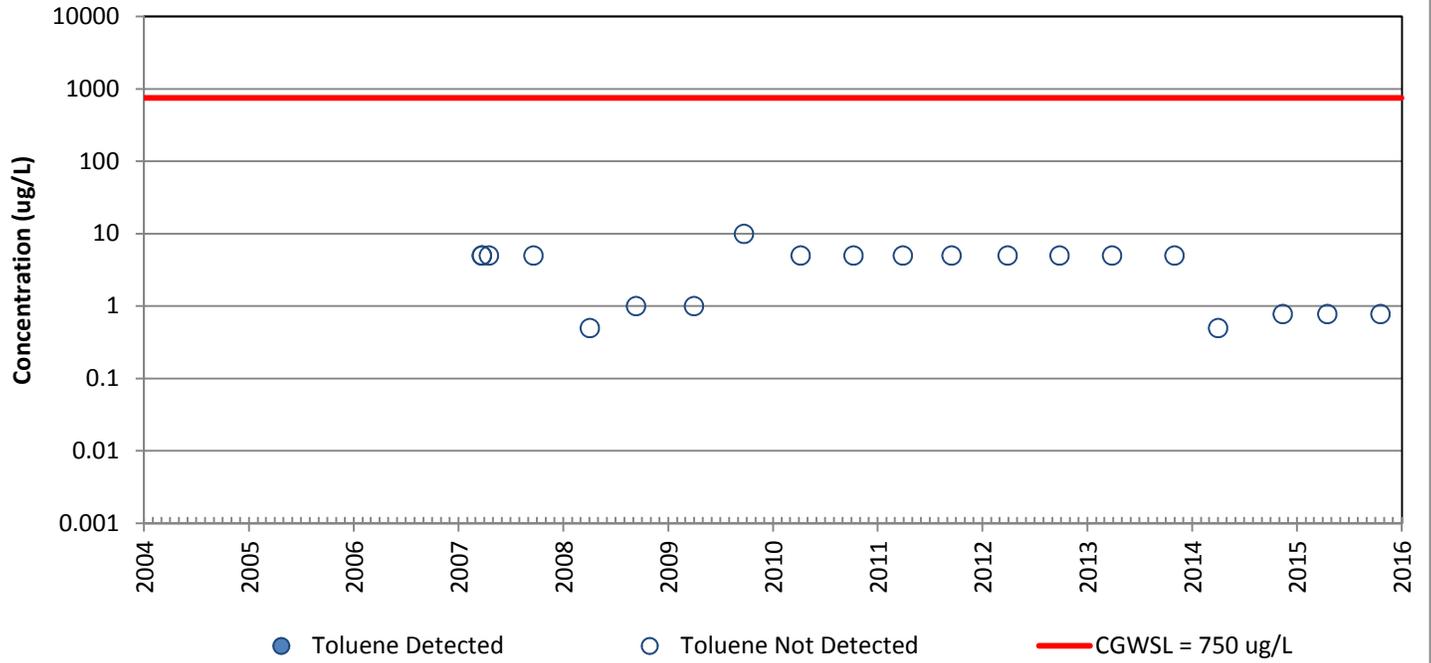


## Ethylbenzene

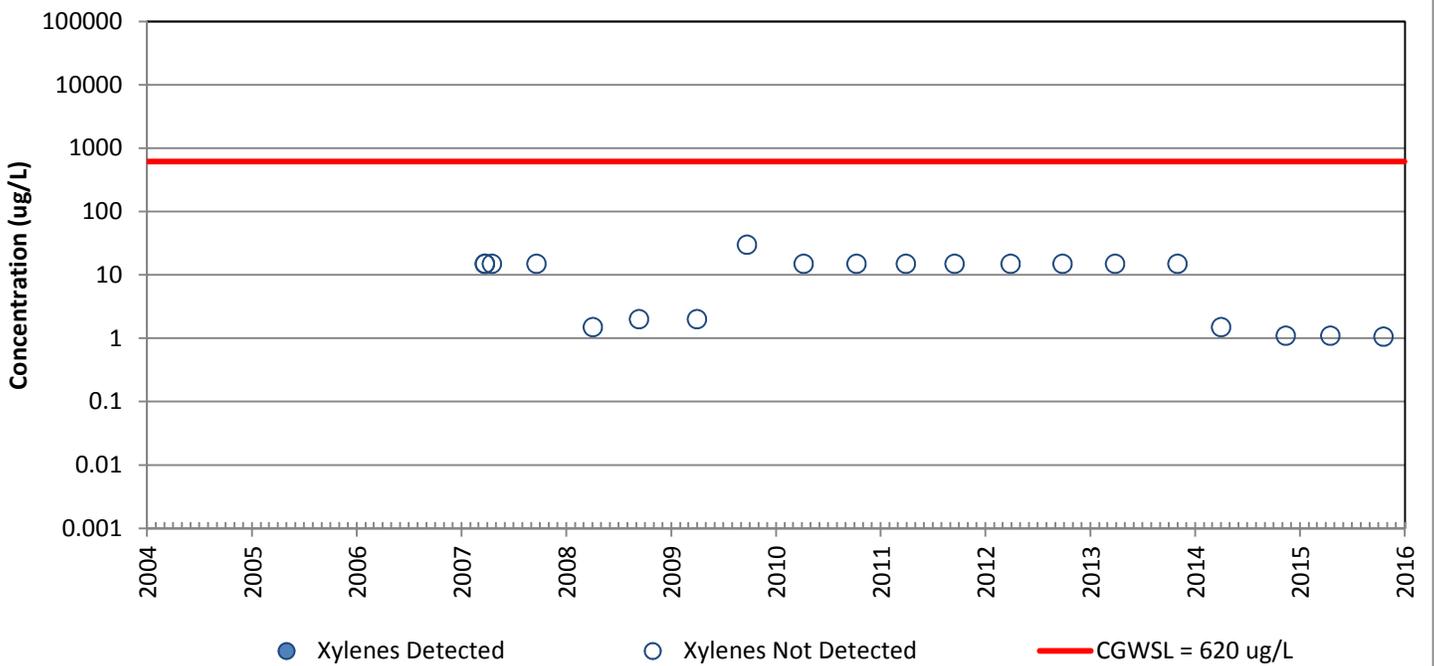


# MW-84

## Toluene

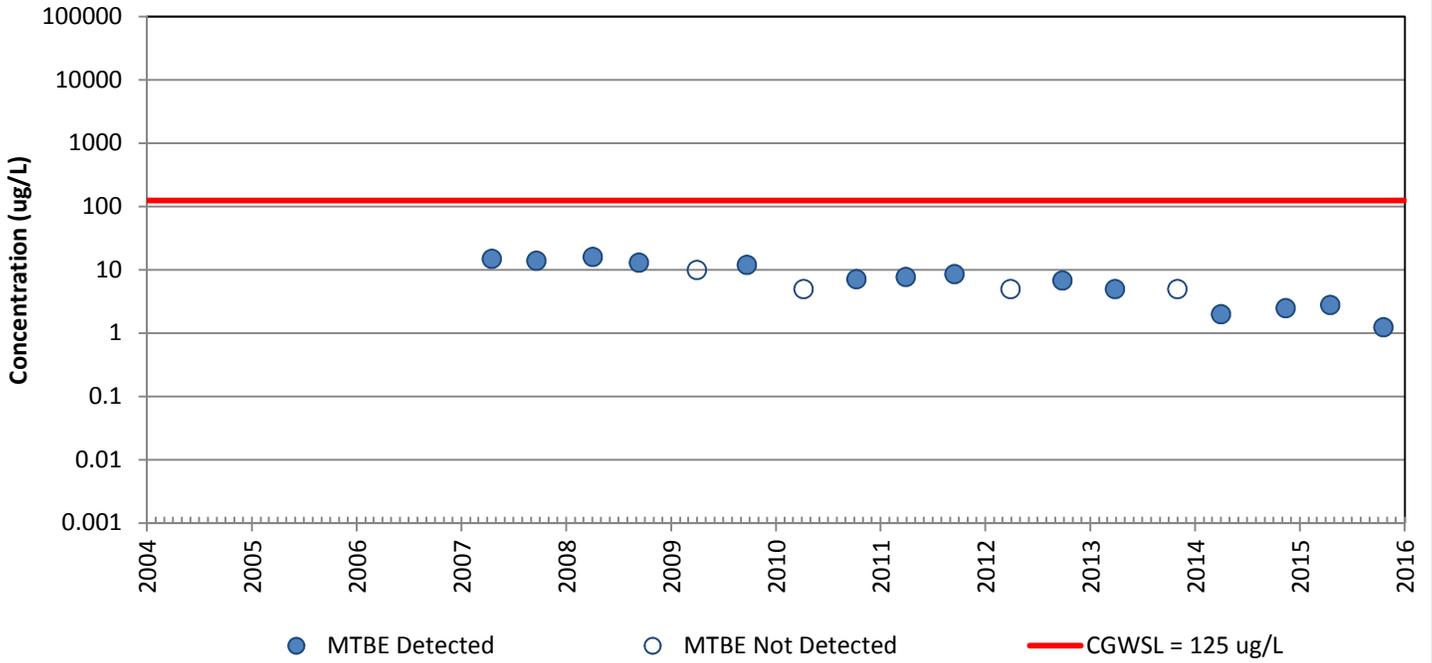


## Xylenes

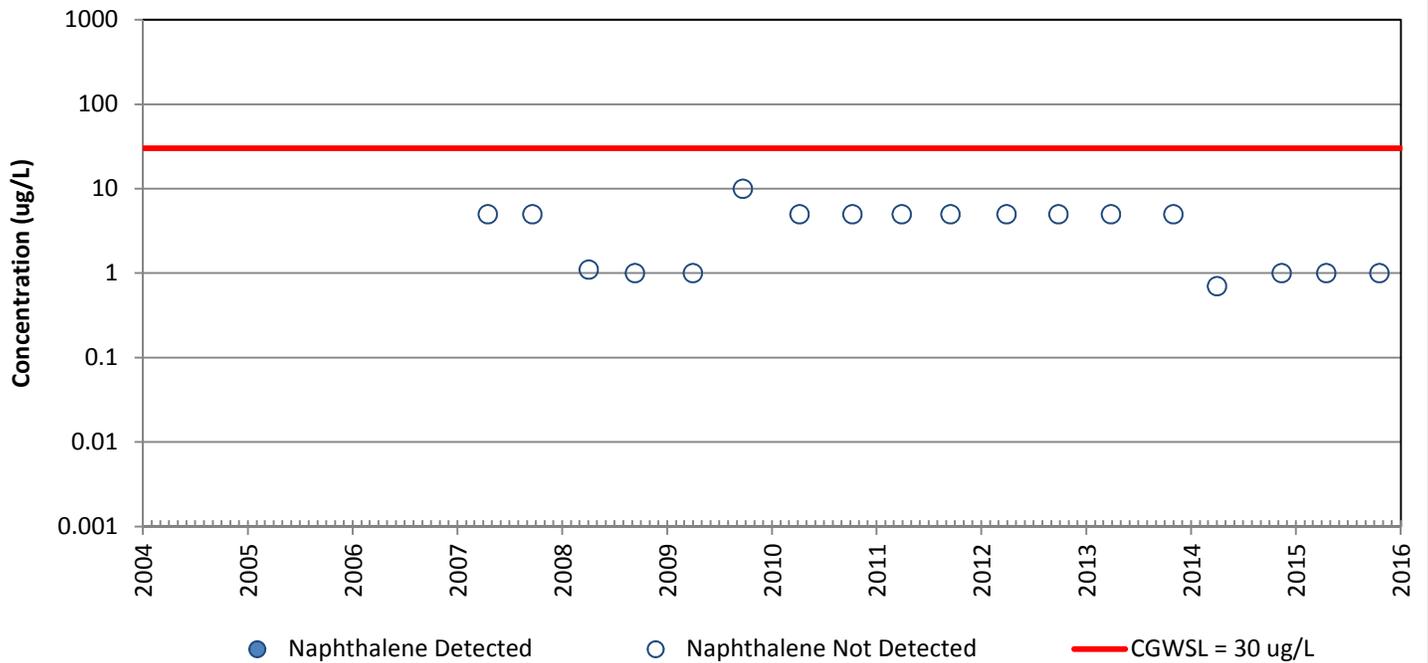


# MW-84

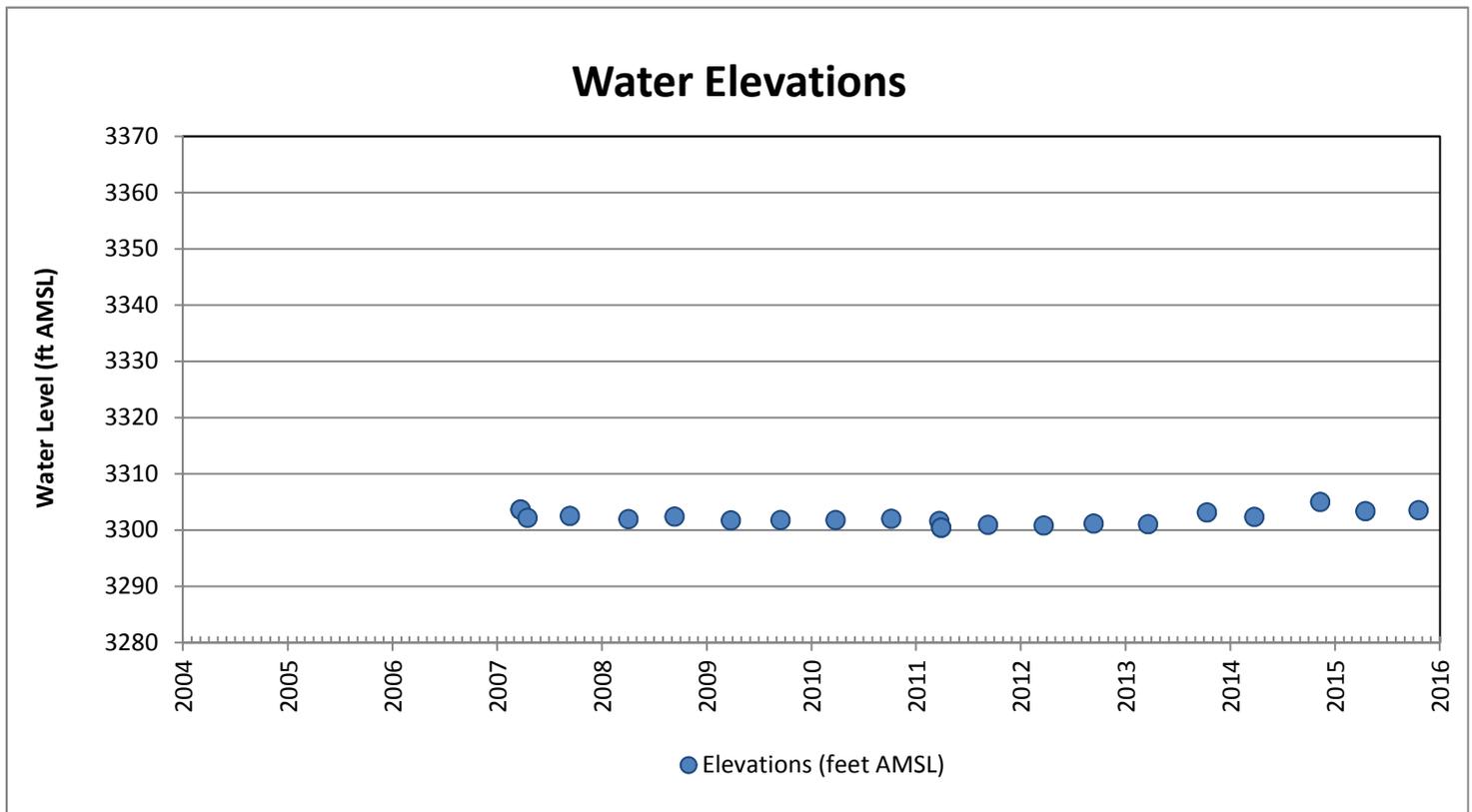
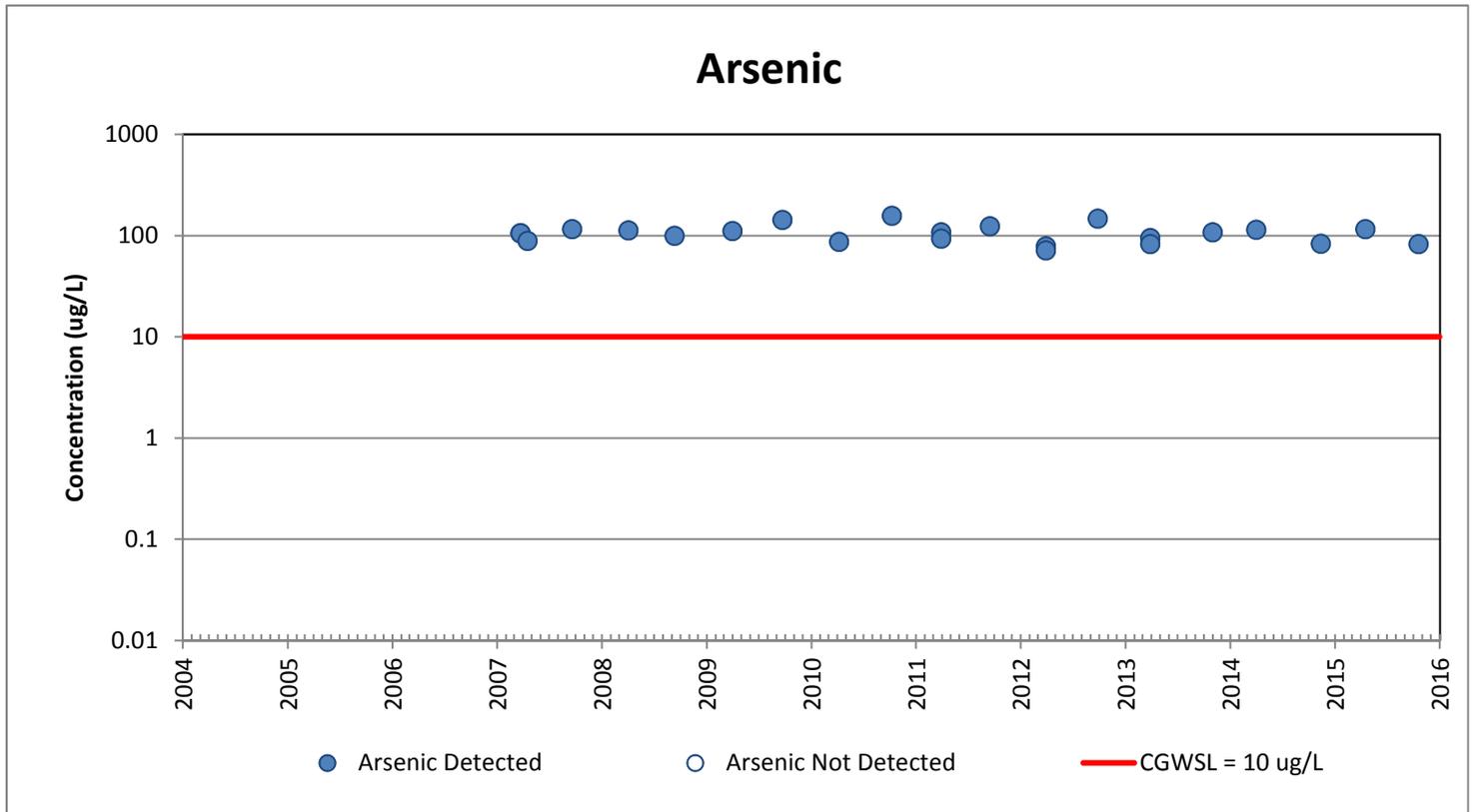
## MTBE



## Naphthalene



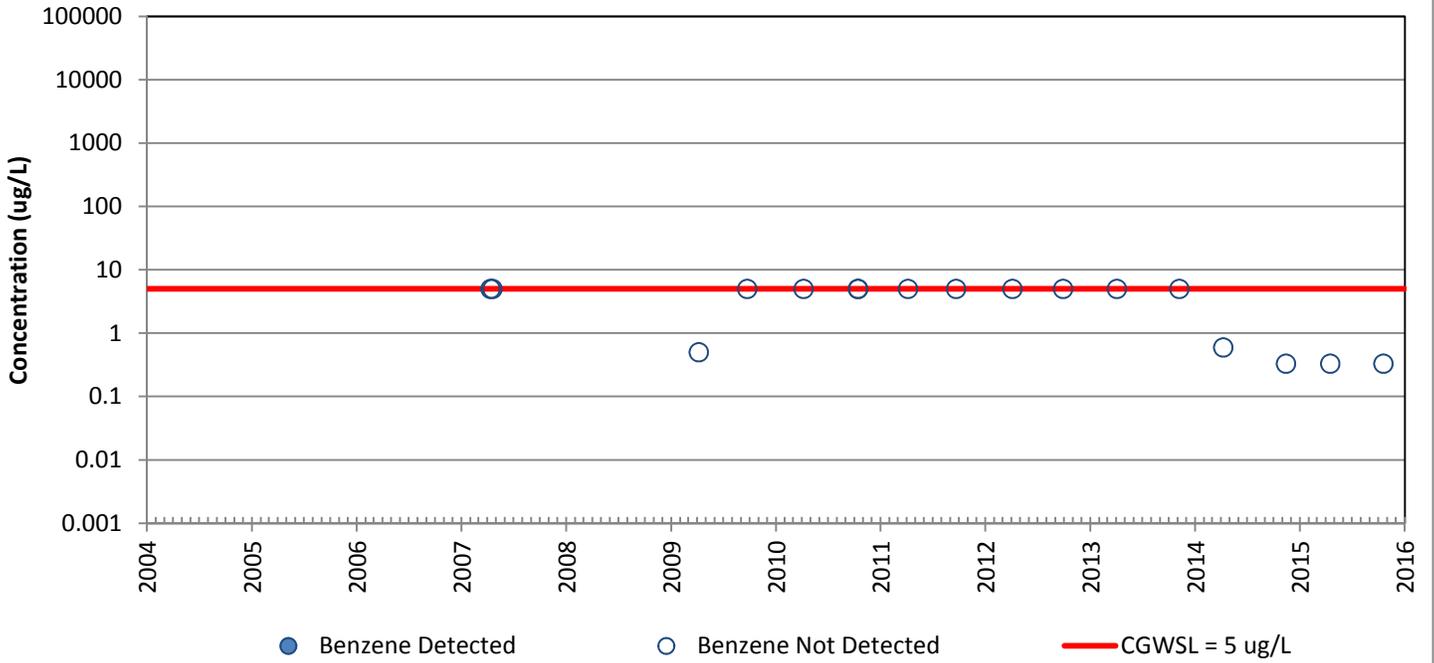
# MW-84



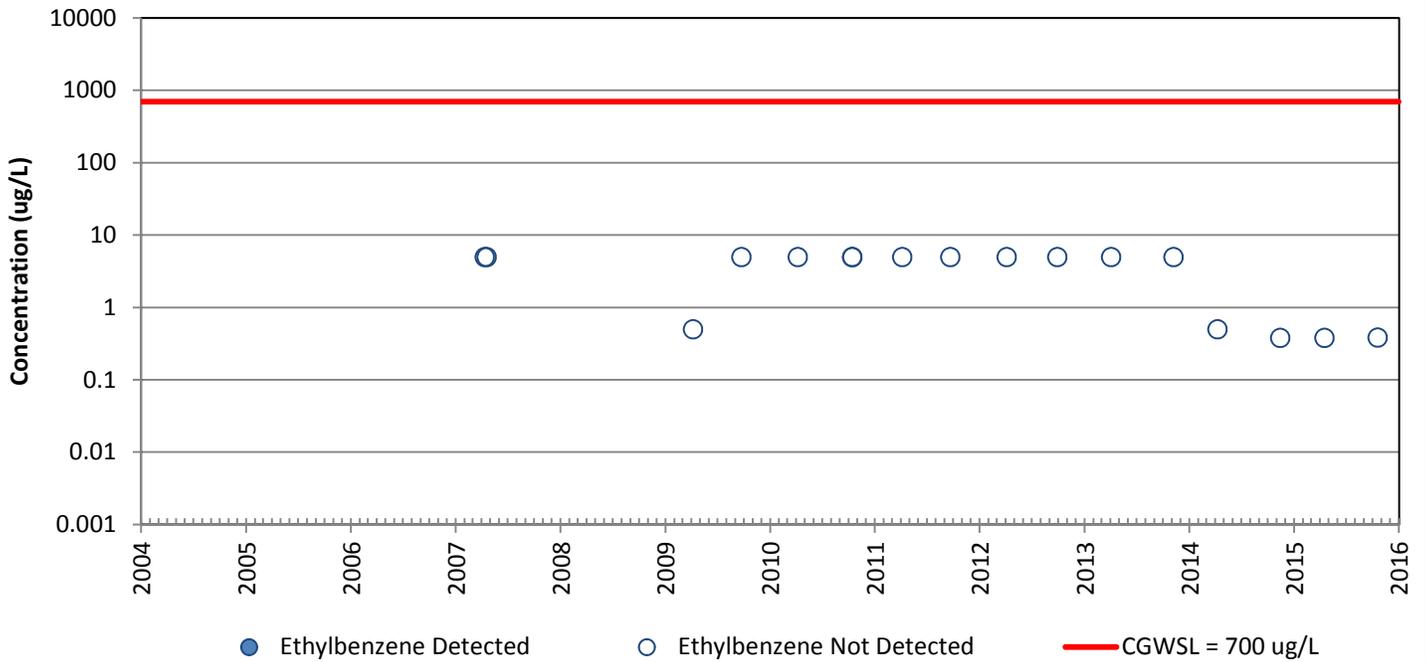


# MW-87

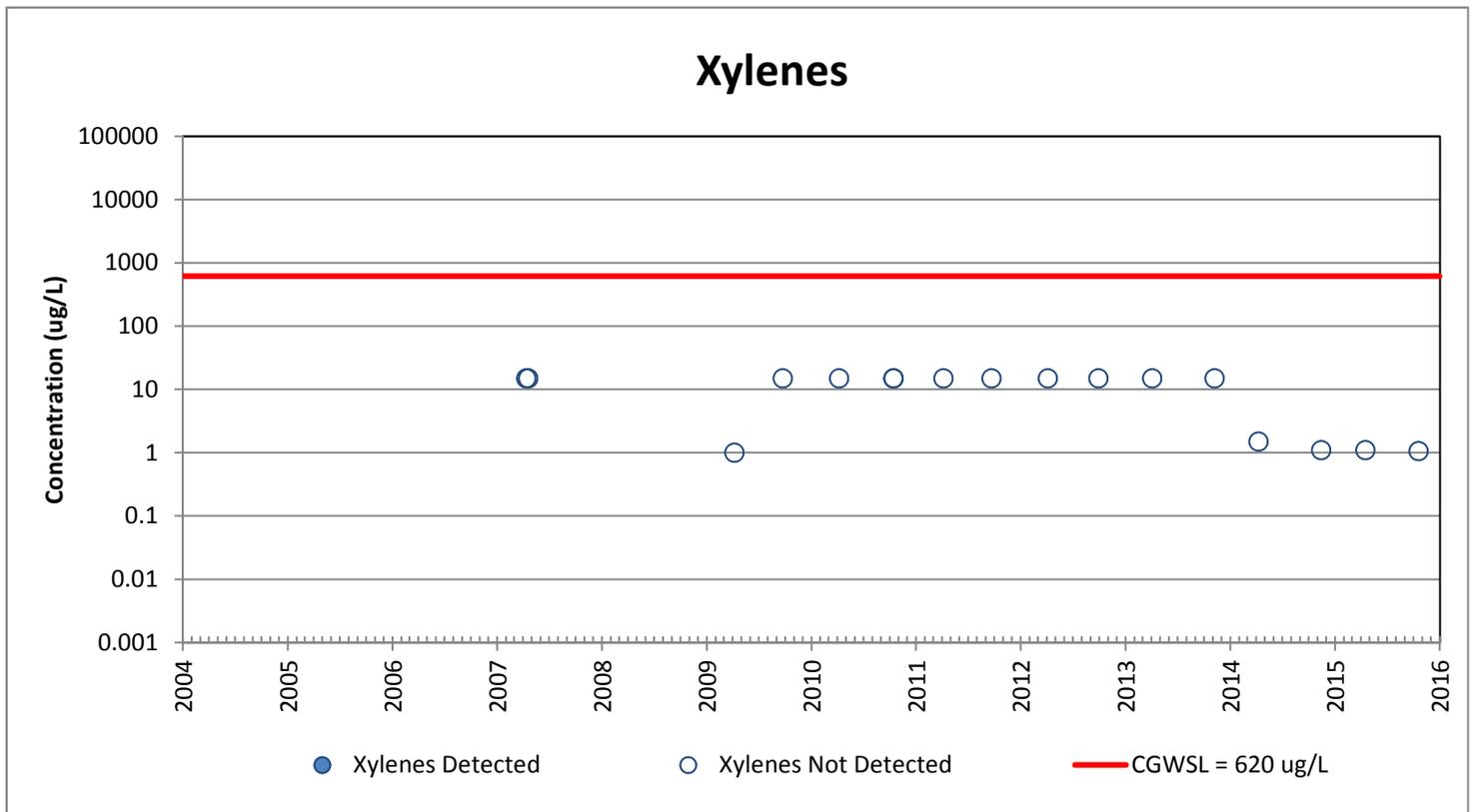
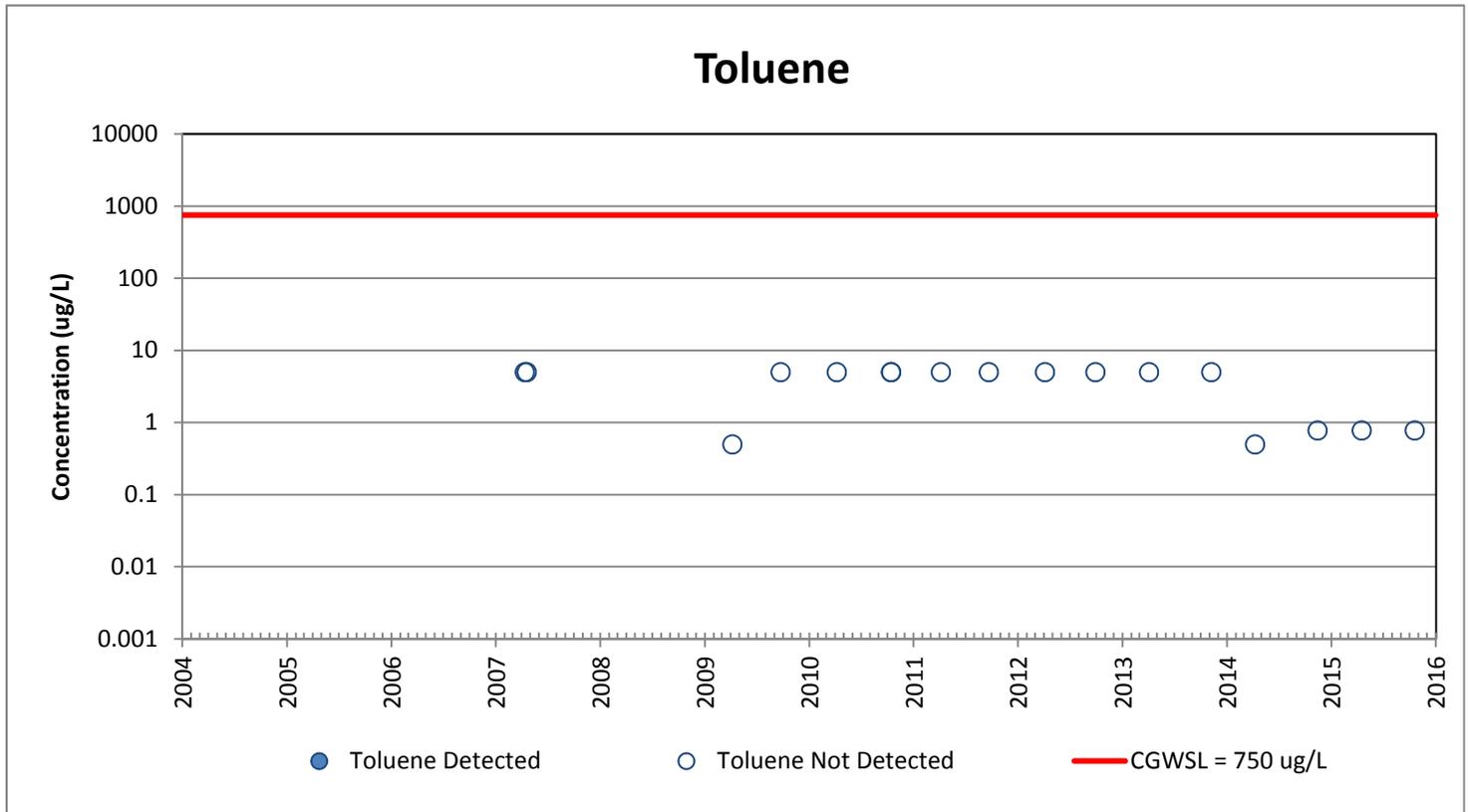
## Benzene



## Ethylbenzene

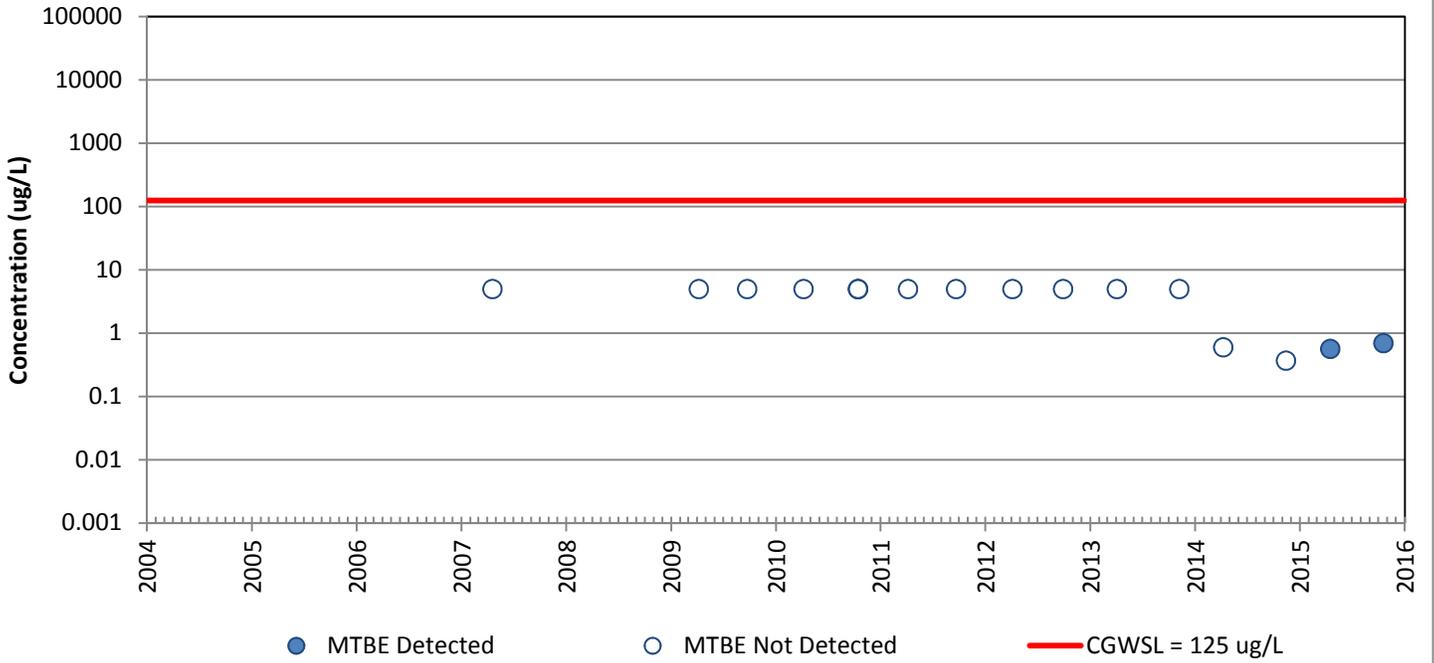


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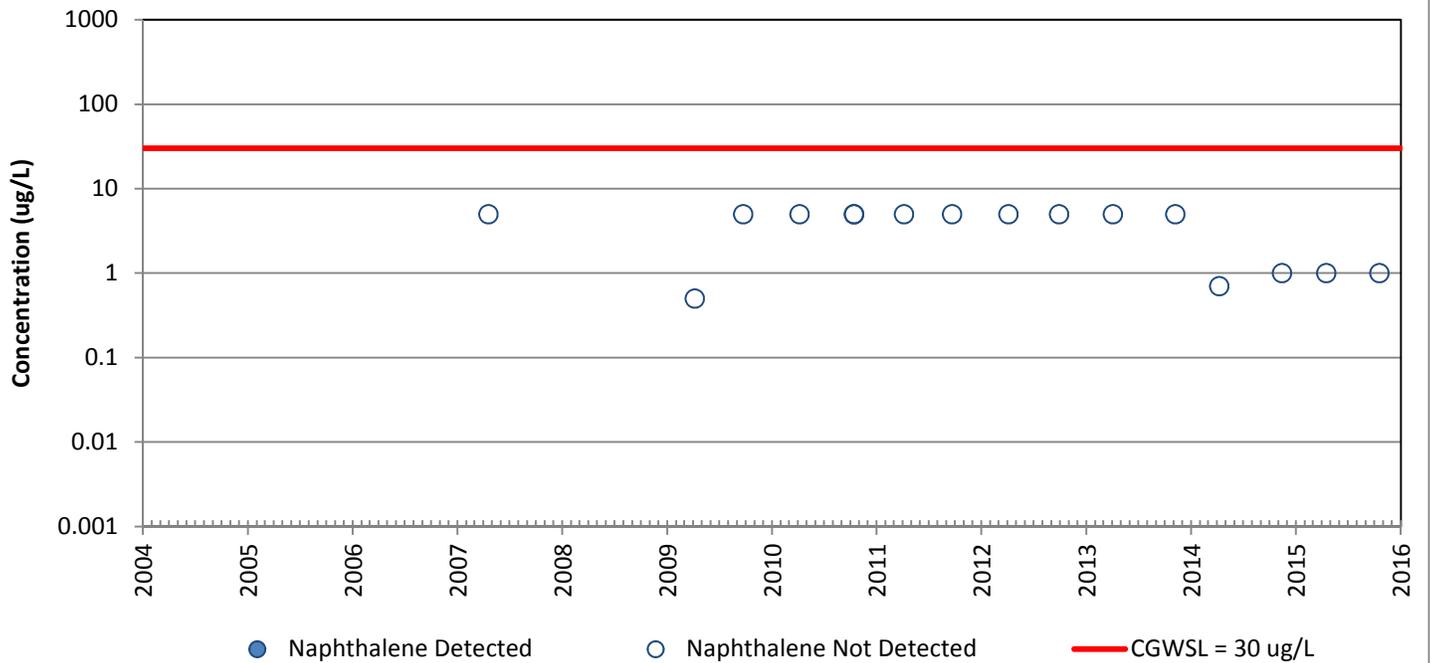


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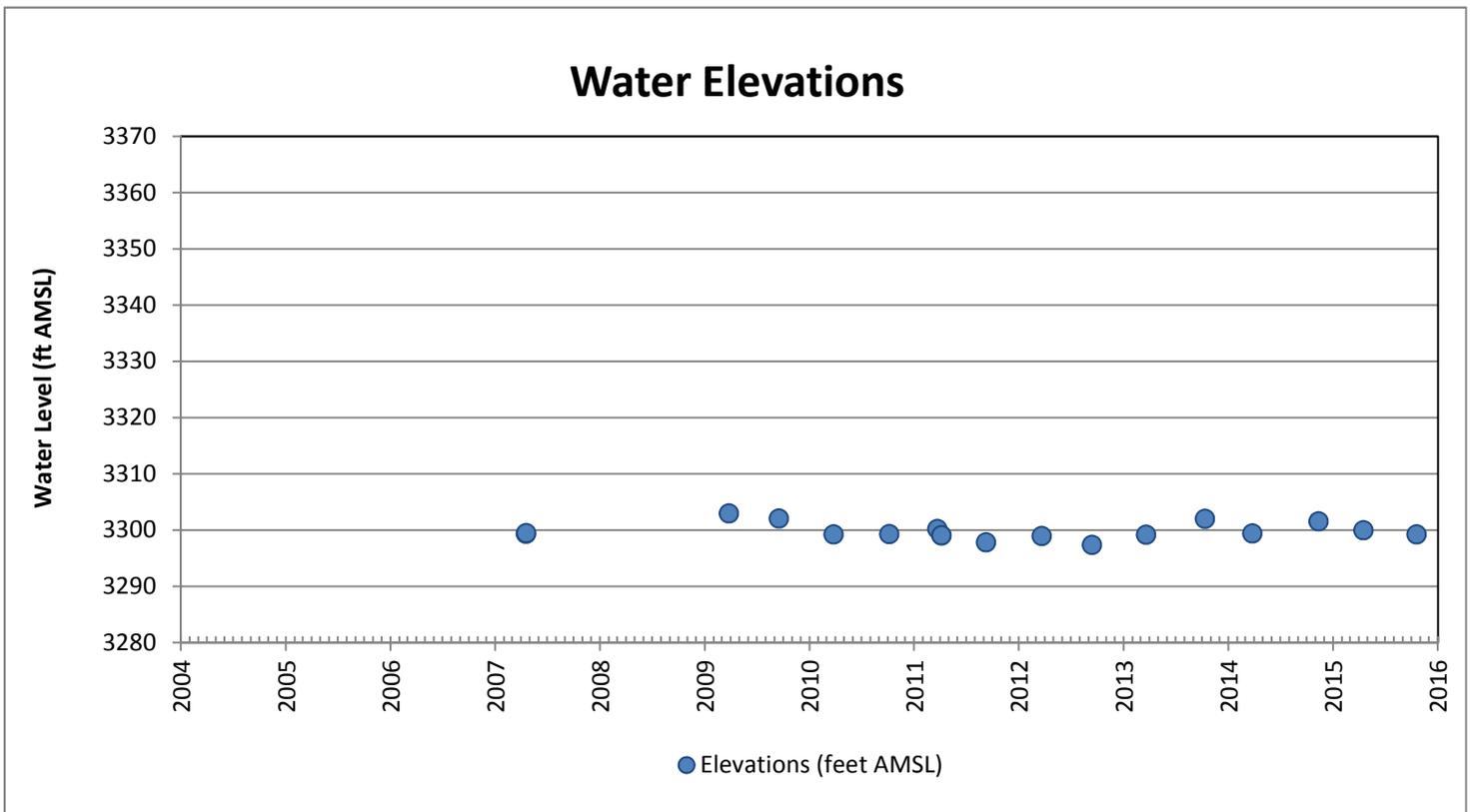
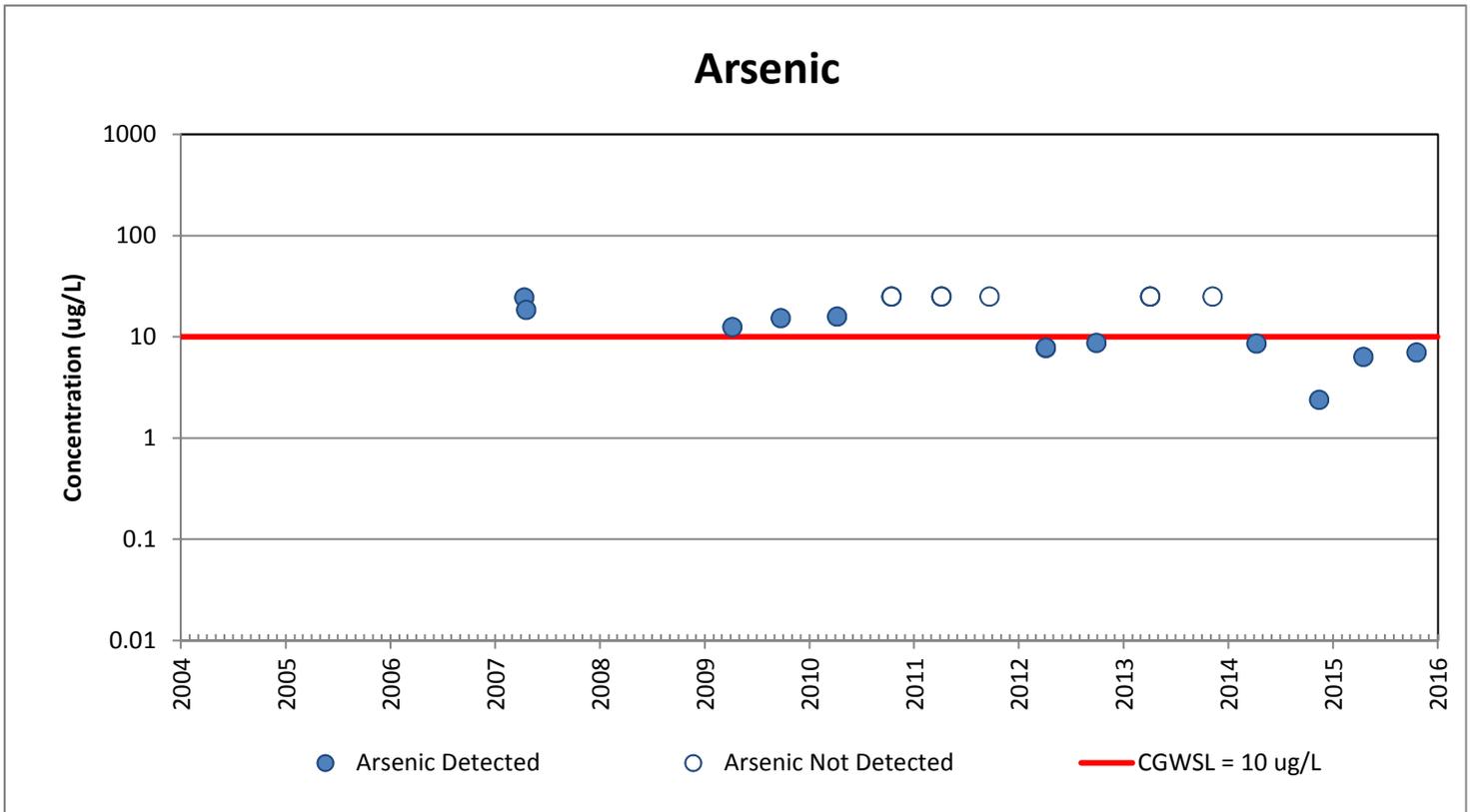
## MTBE



## Naphthalene

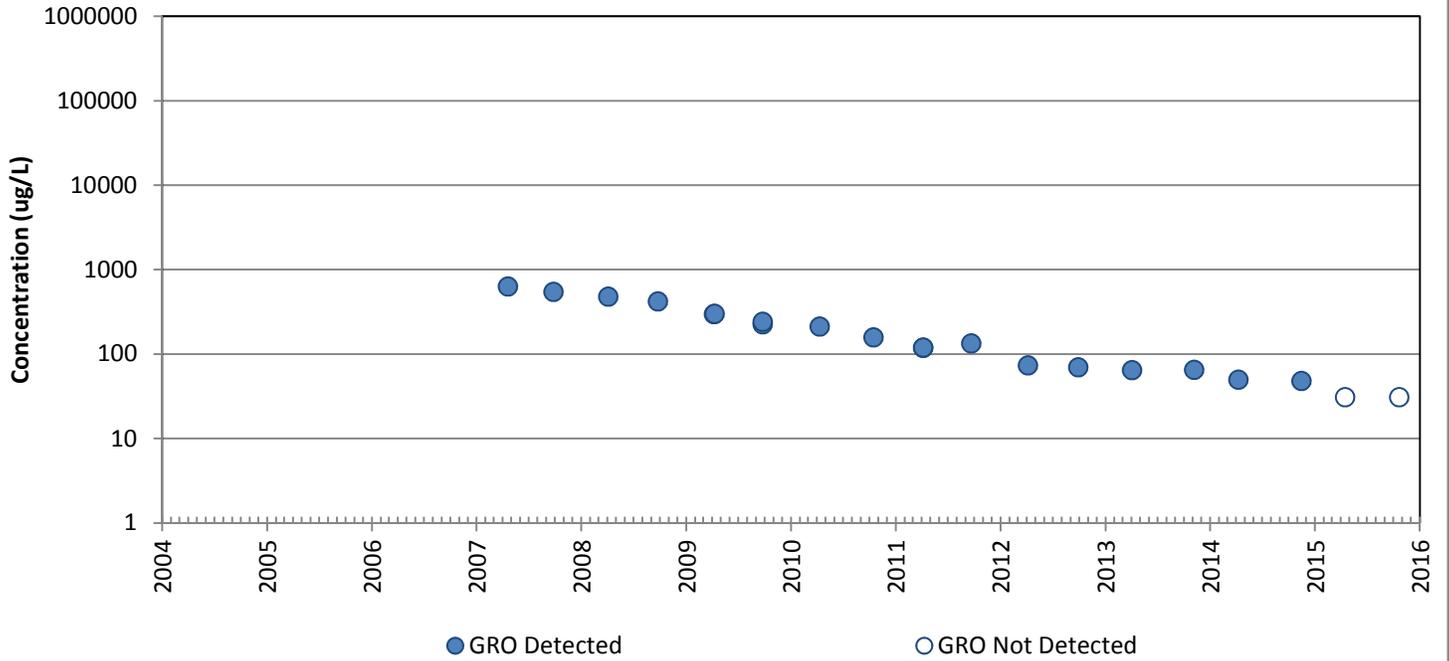


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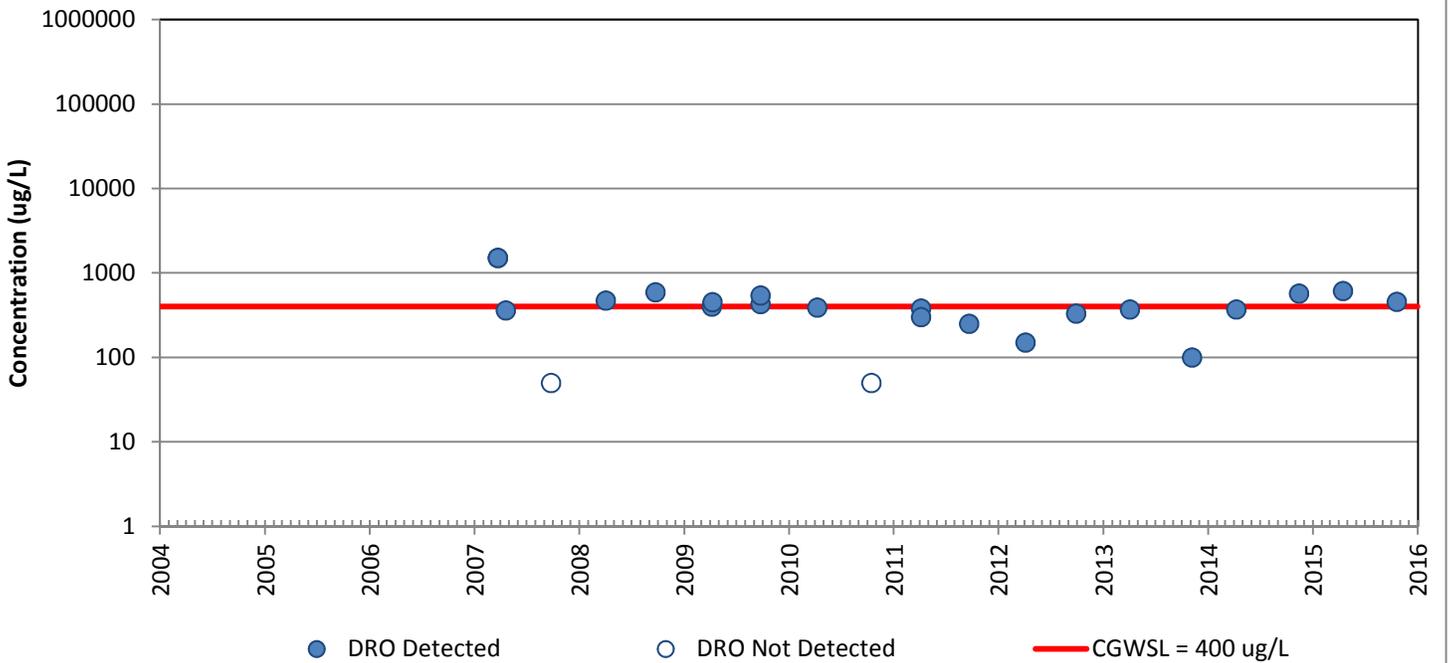


# MW-88

## GRO

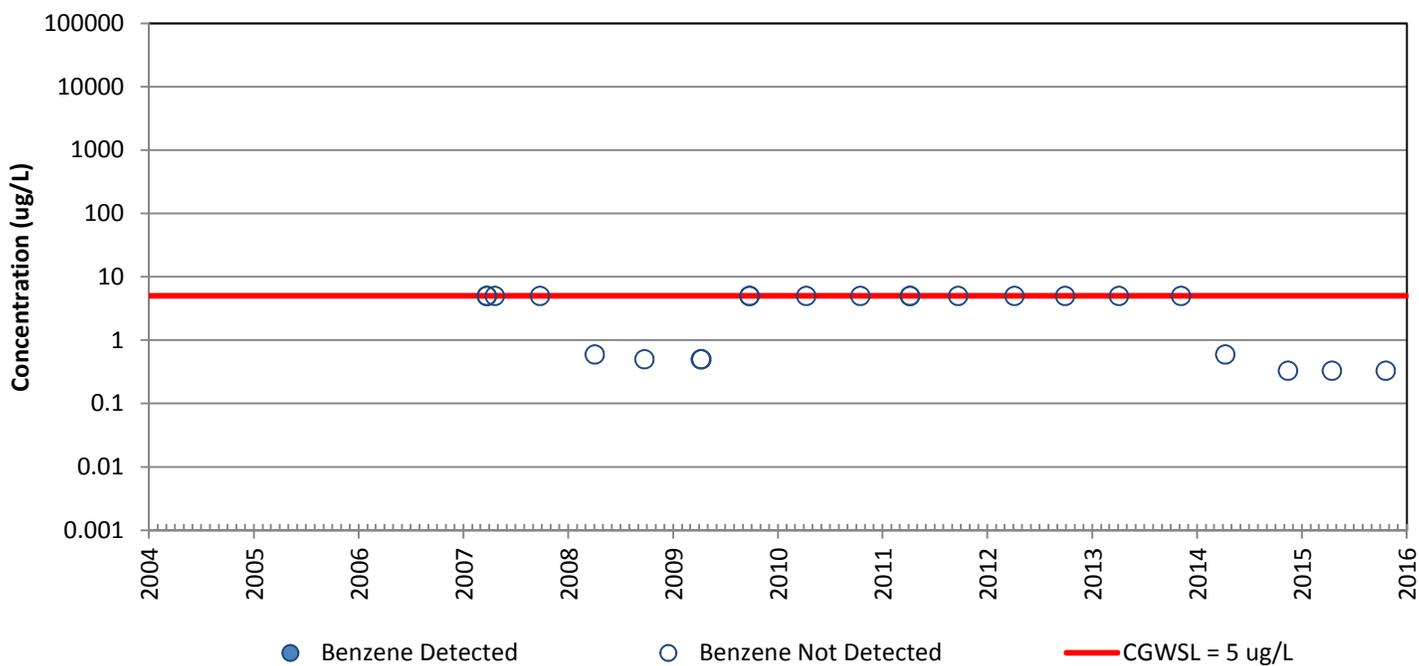


## DRO

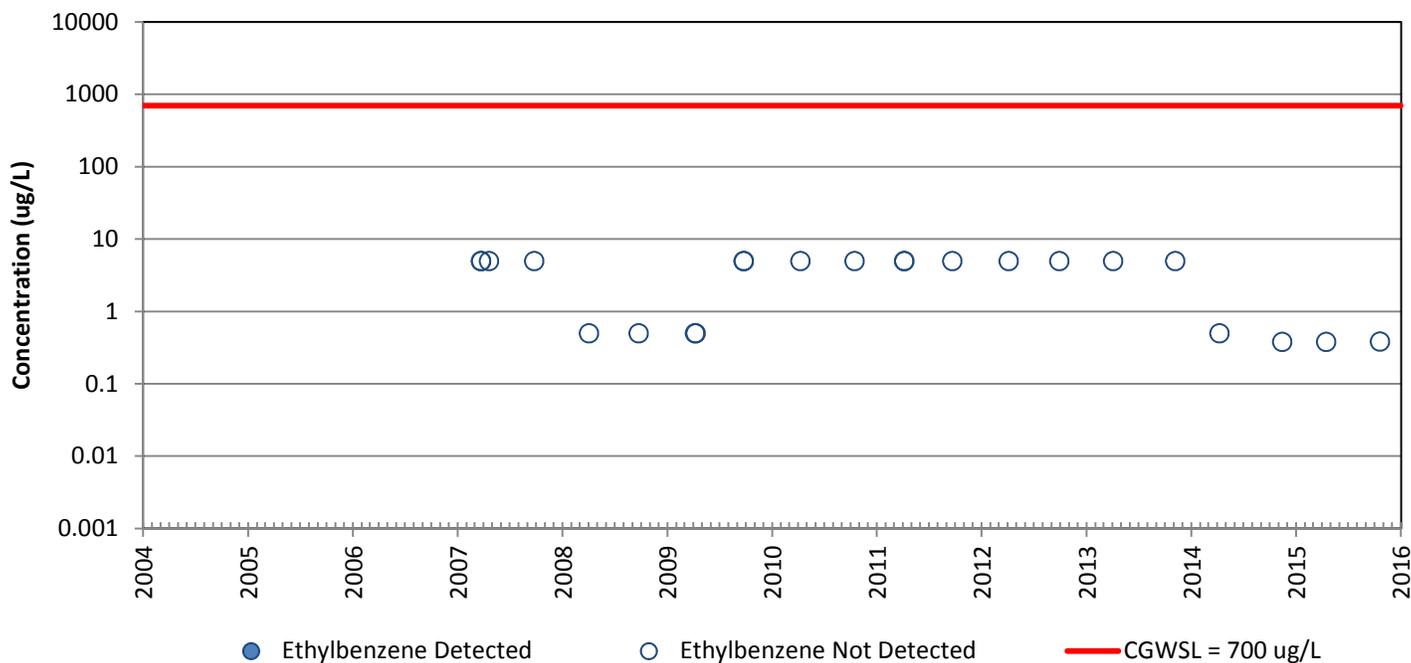


# MW-88

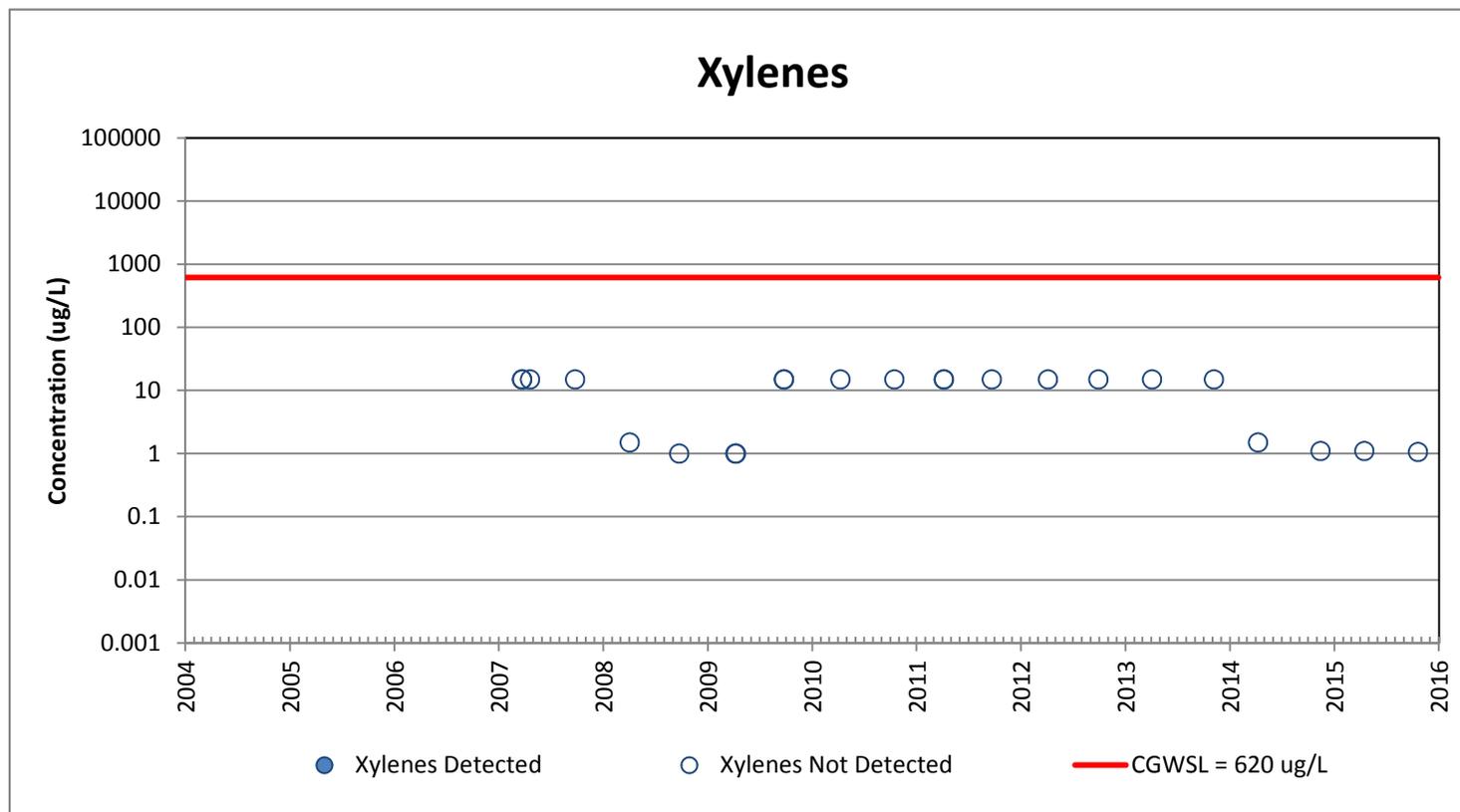
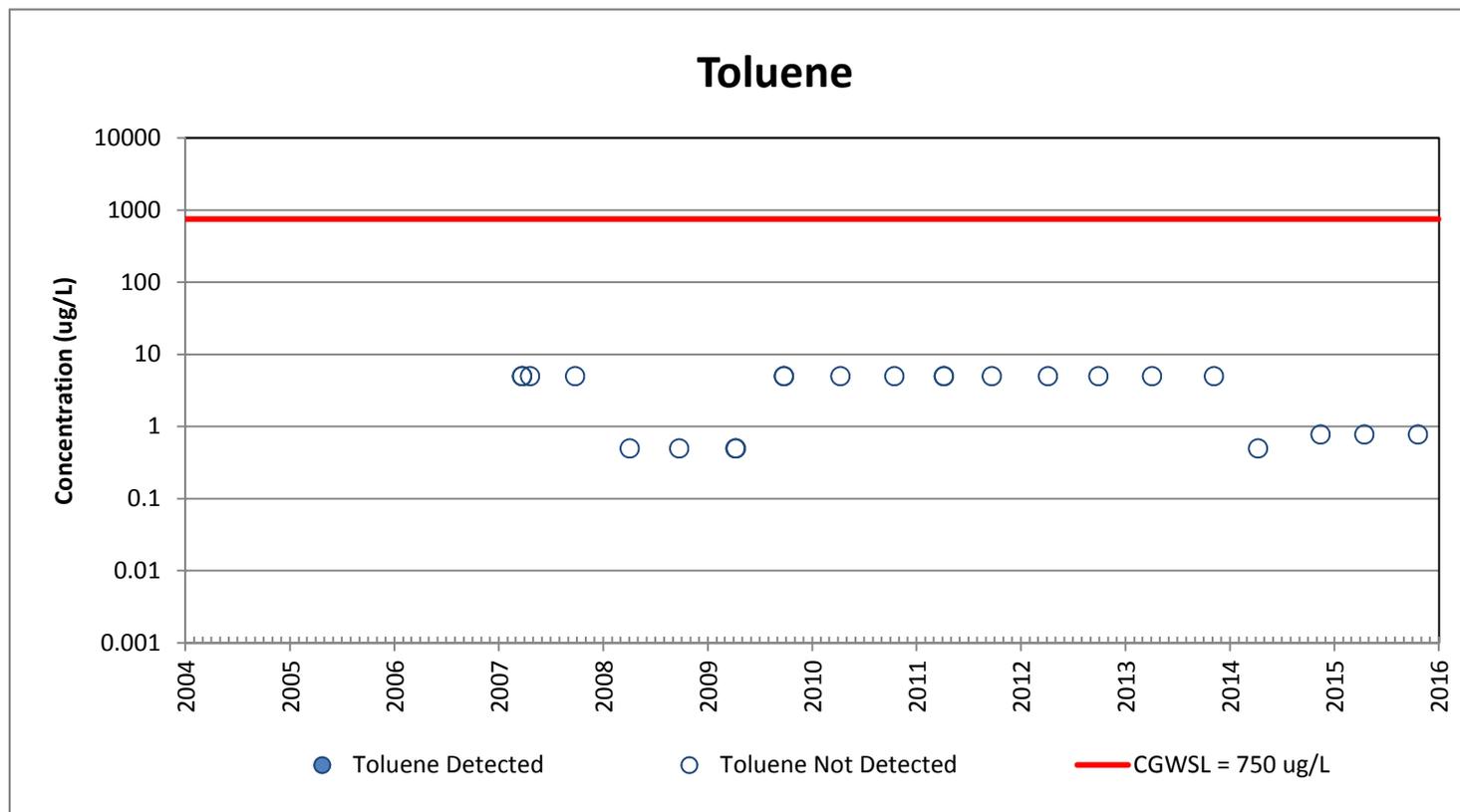
## Benzene



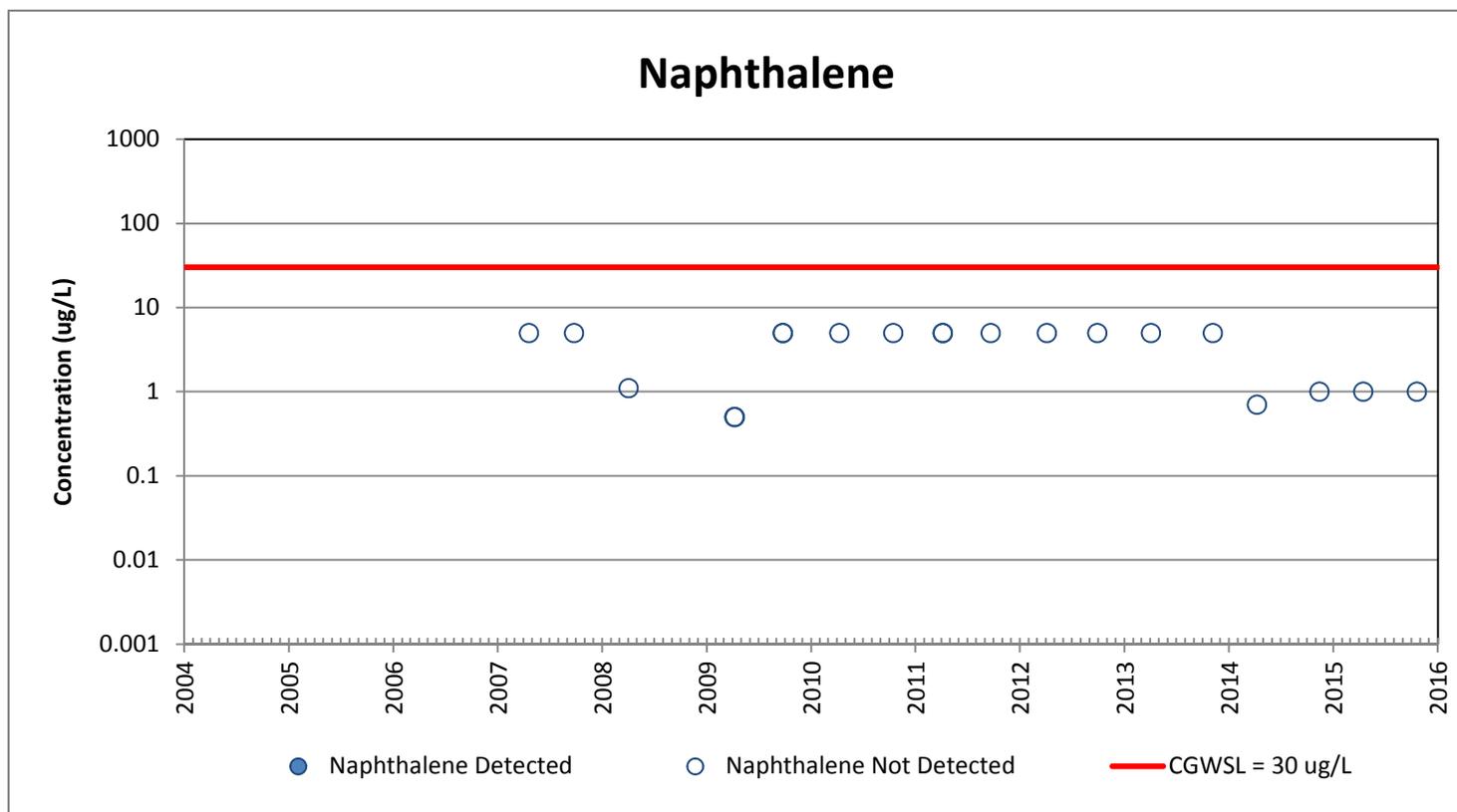
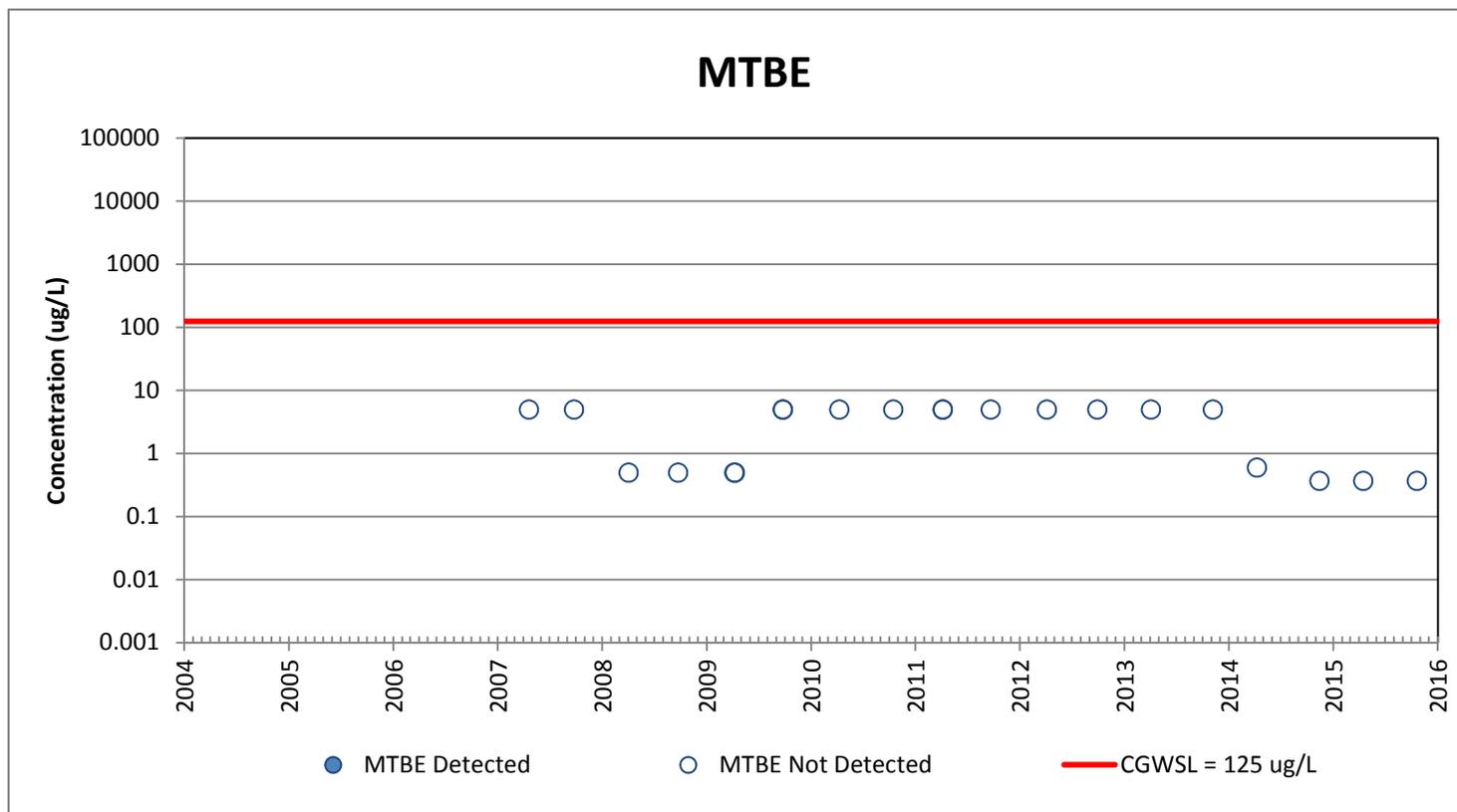
## Ethylbenzene



# MW-88

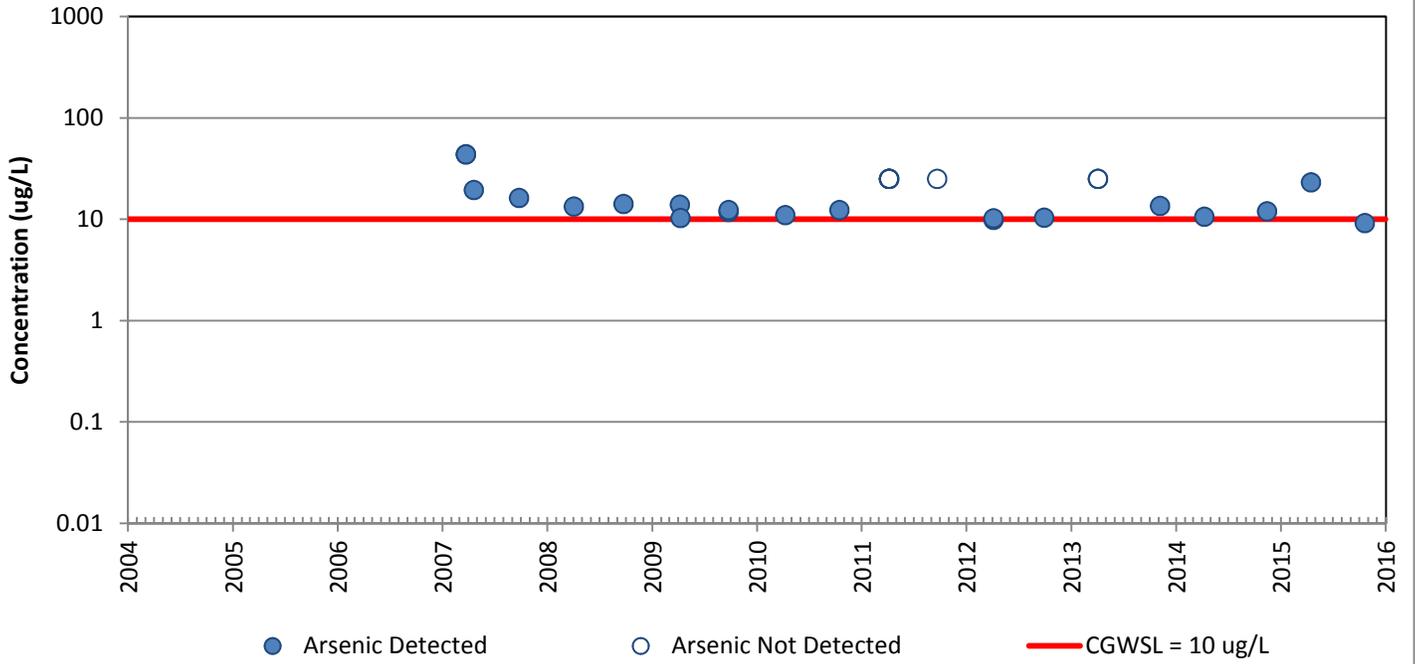


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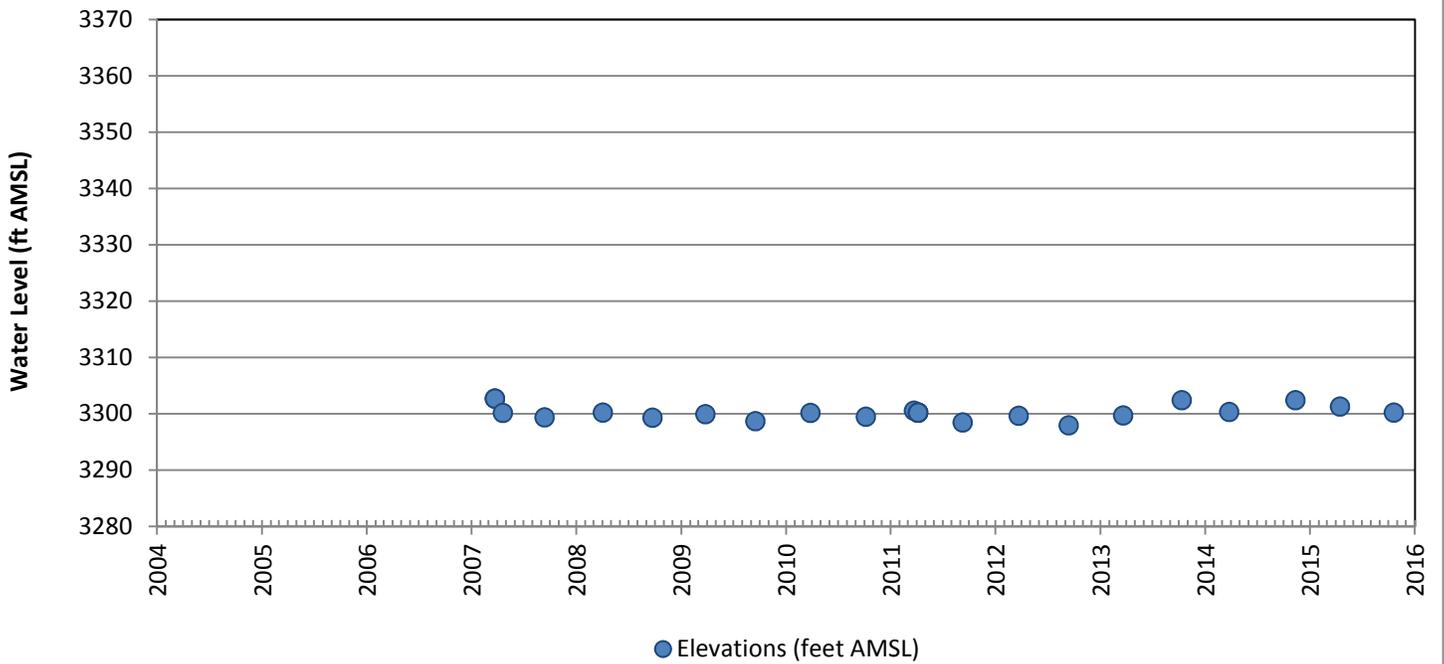


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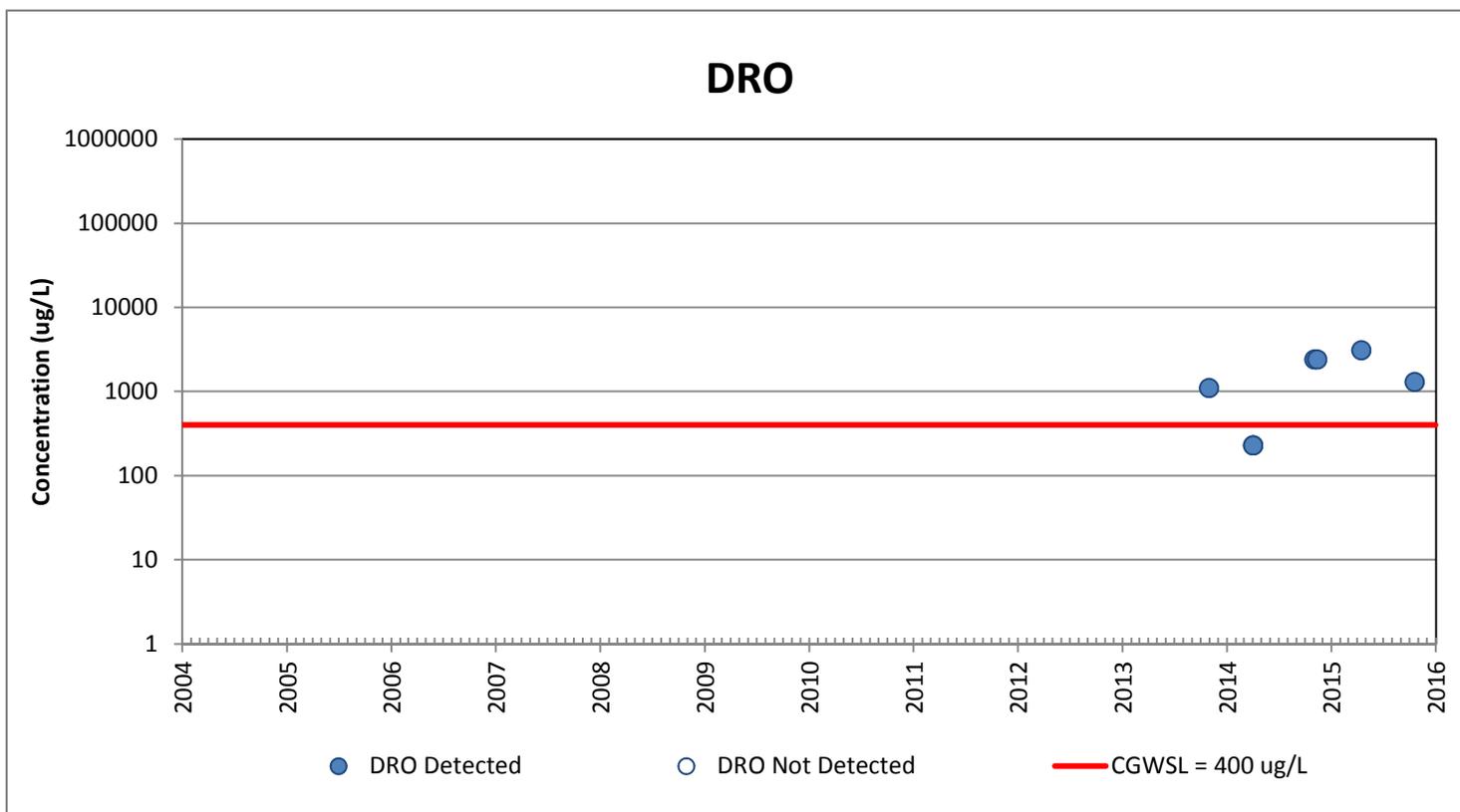
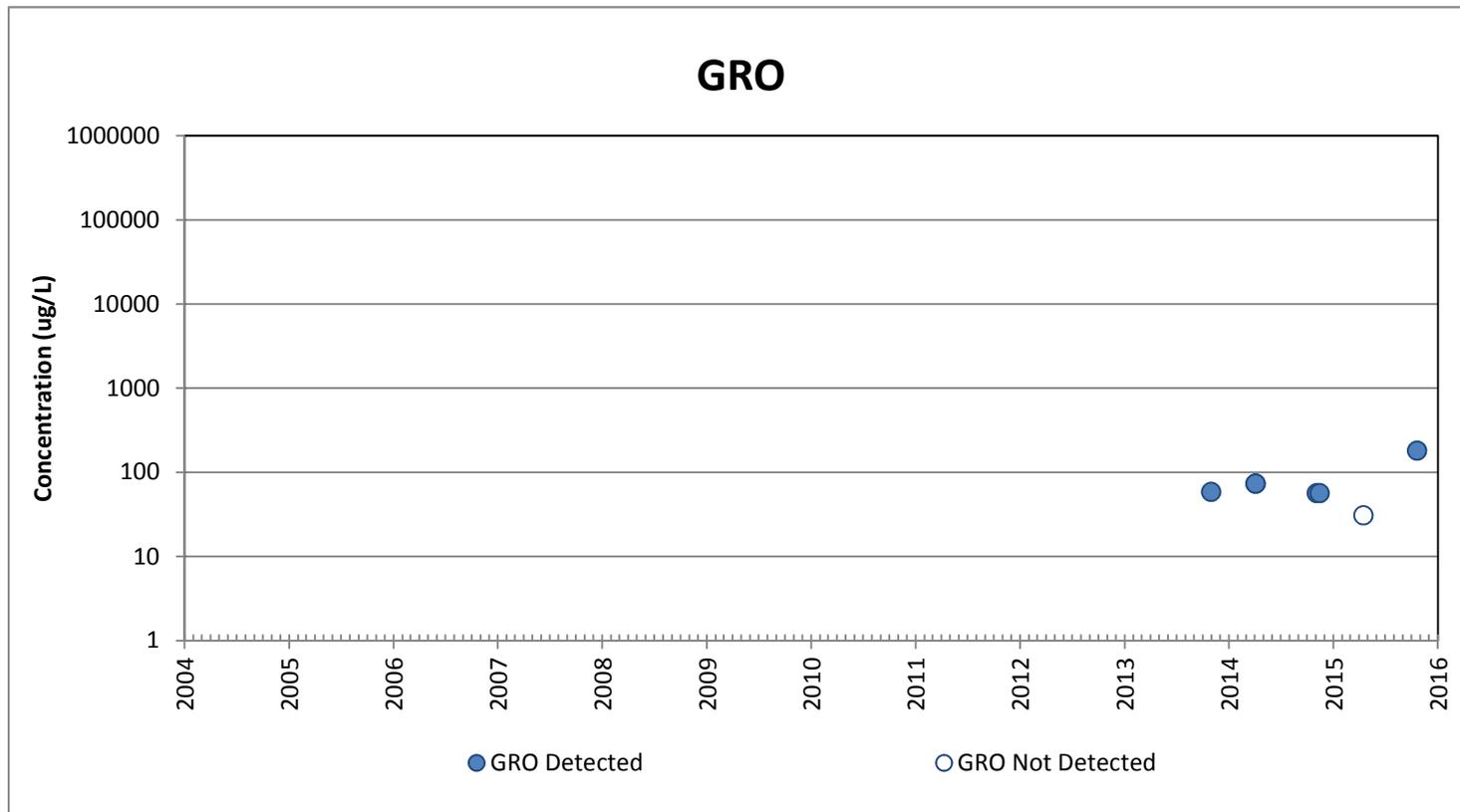
## Arsenic



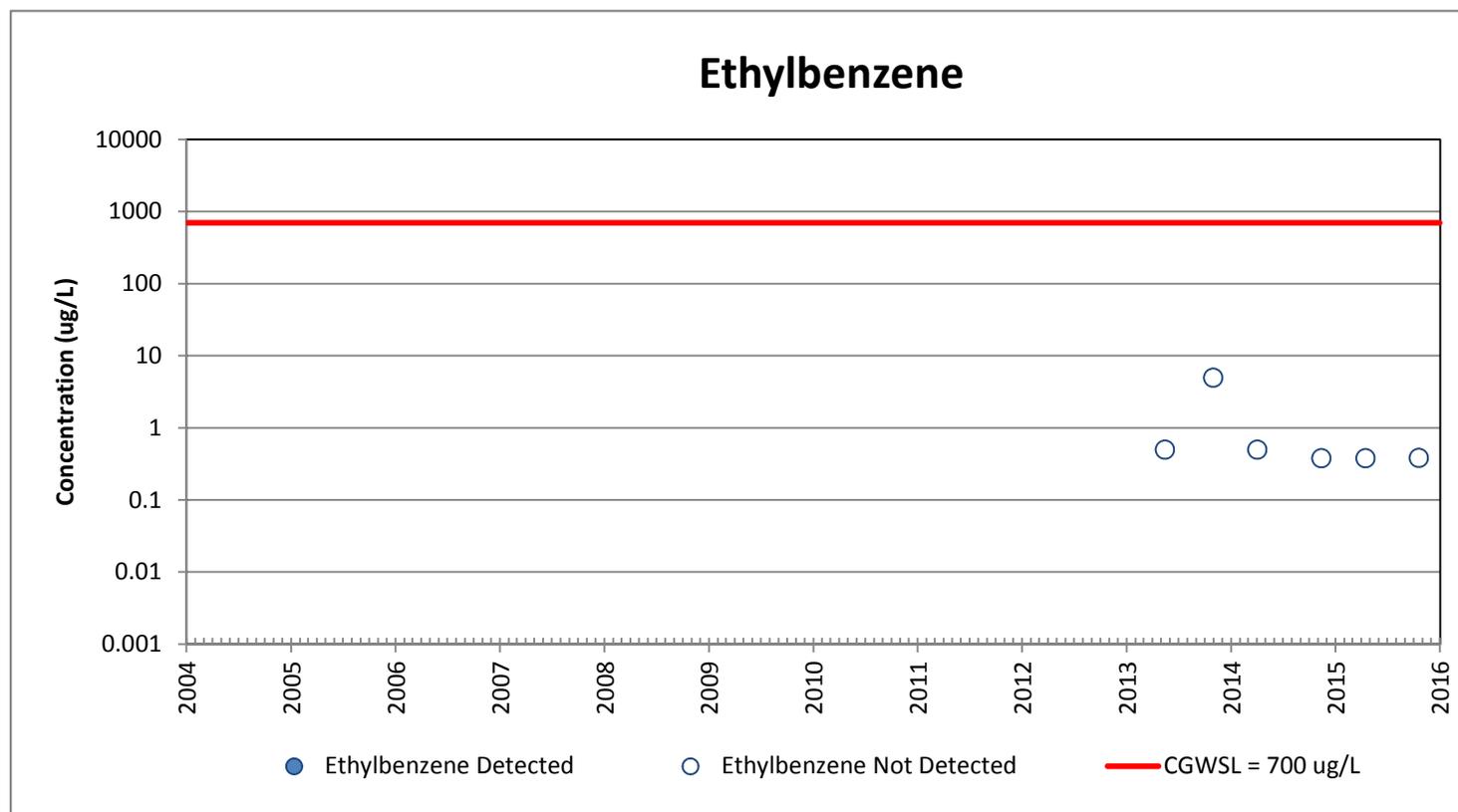
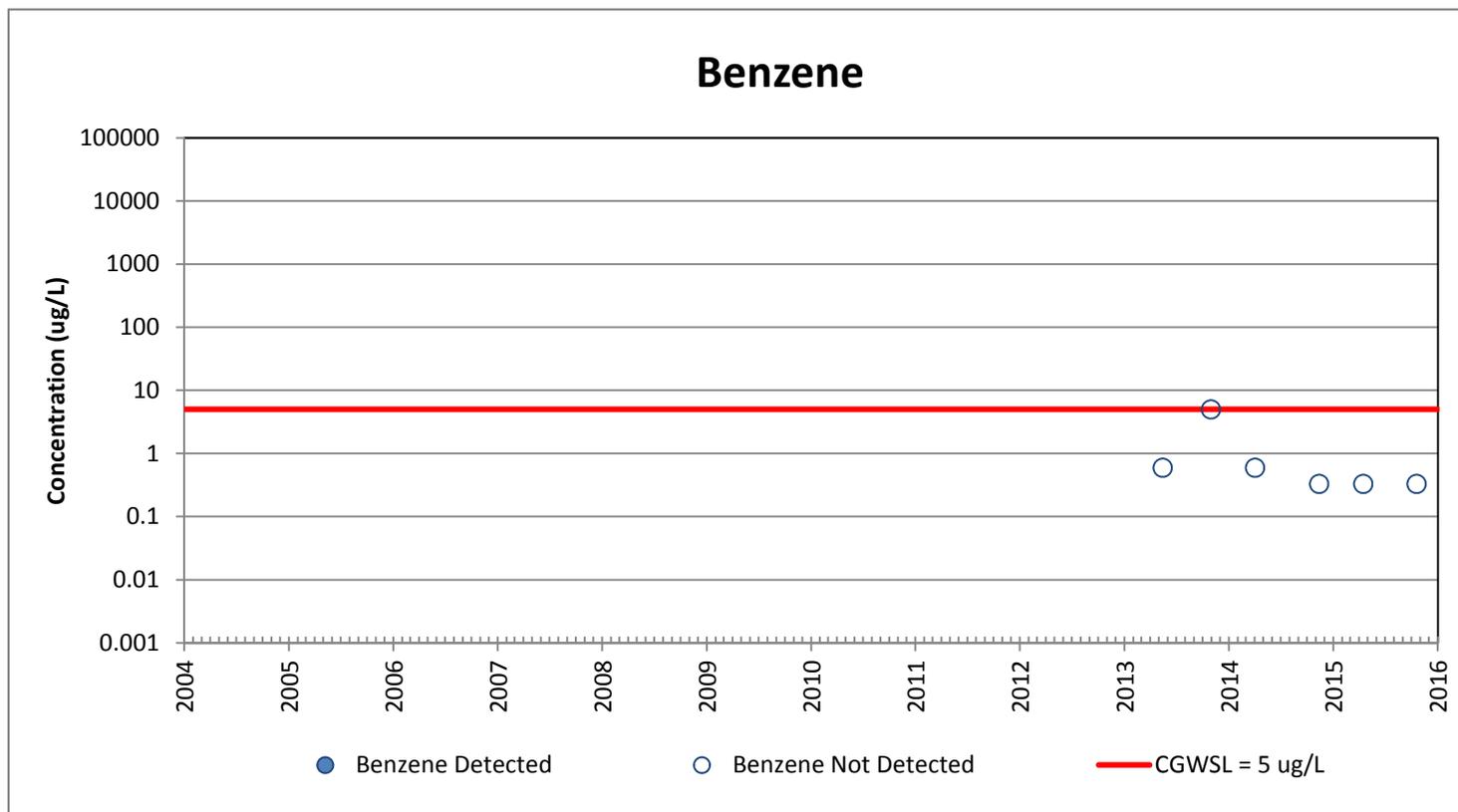
## Water Elevations



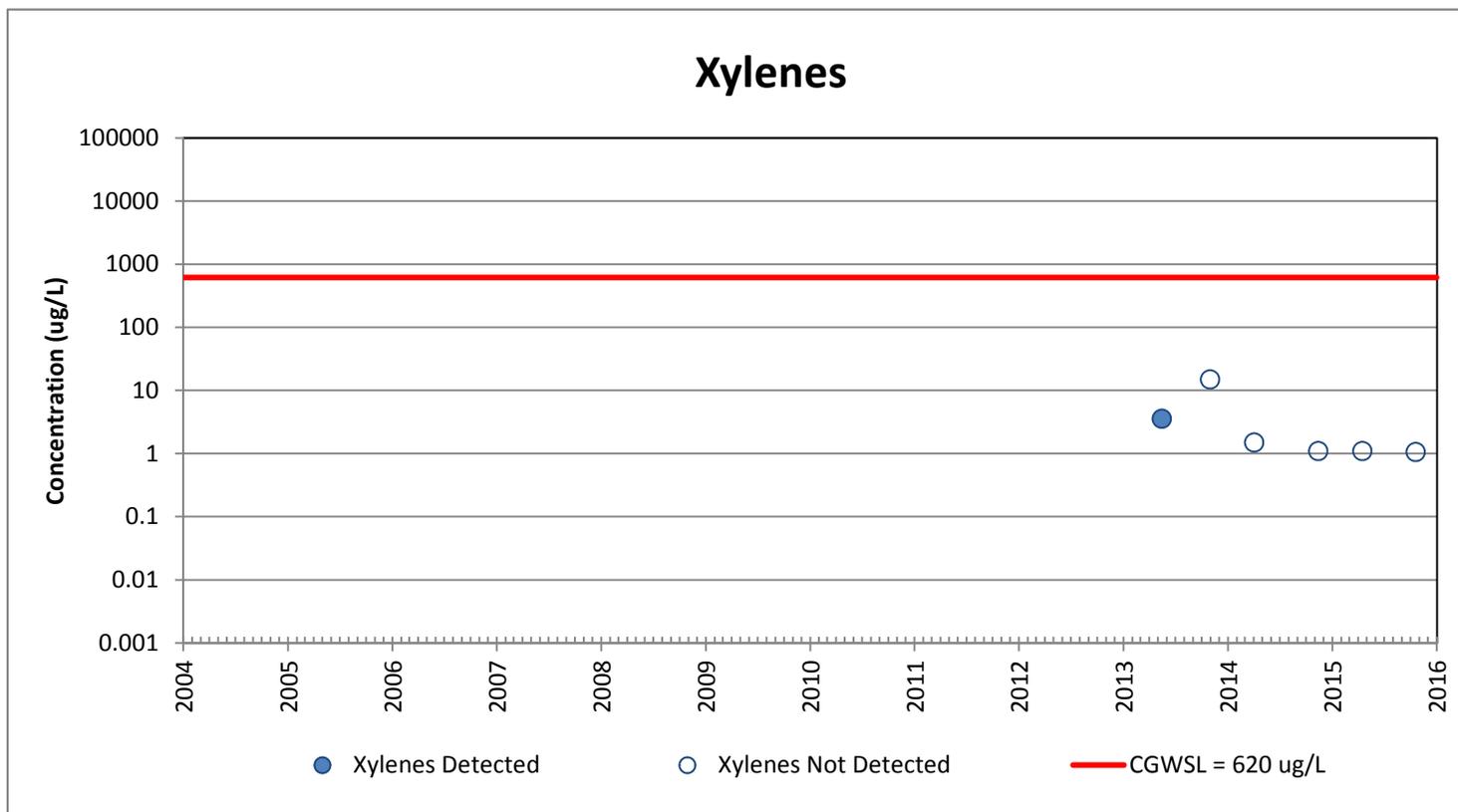
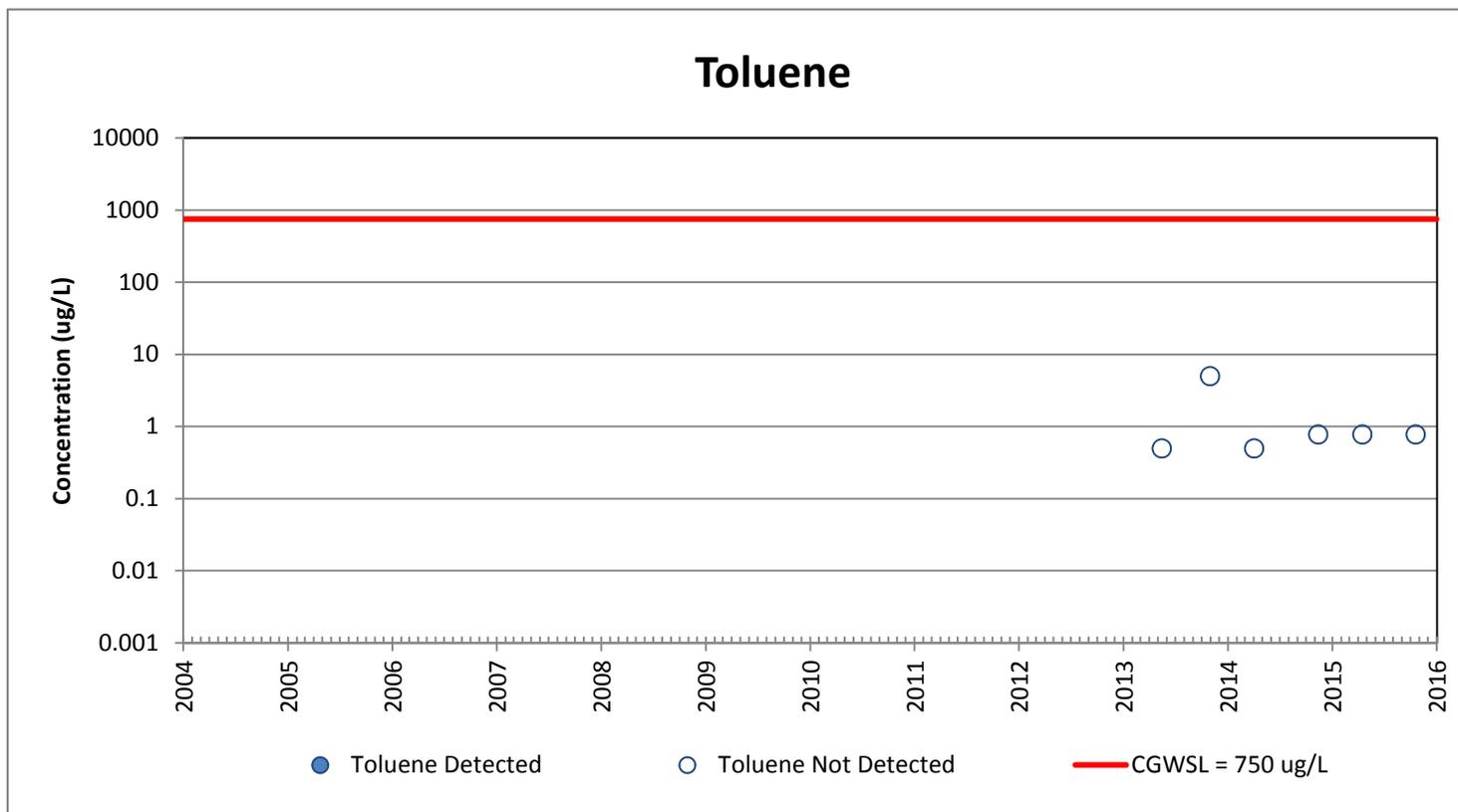
# MW-120



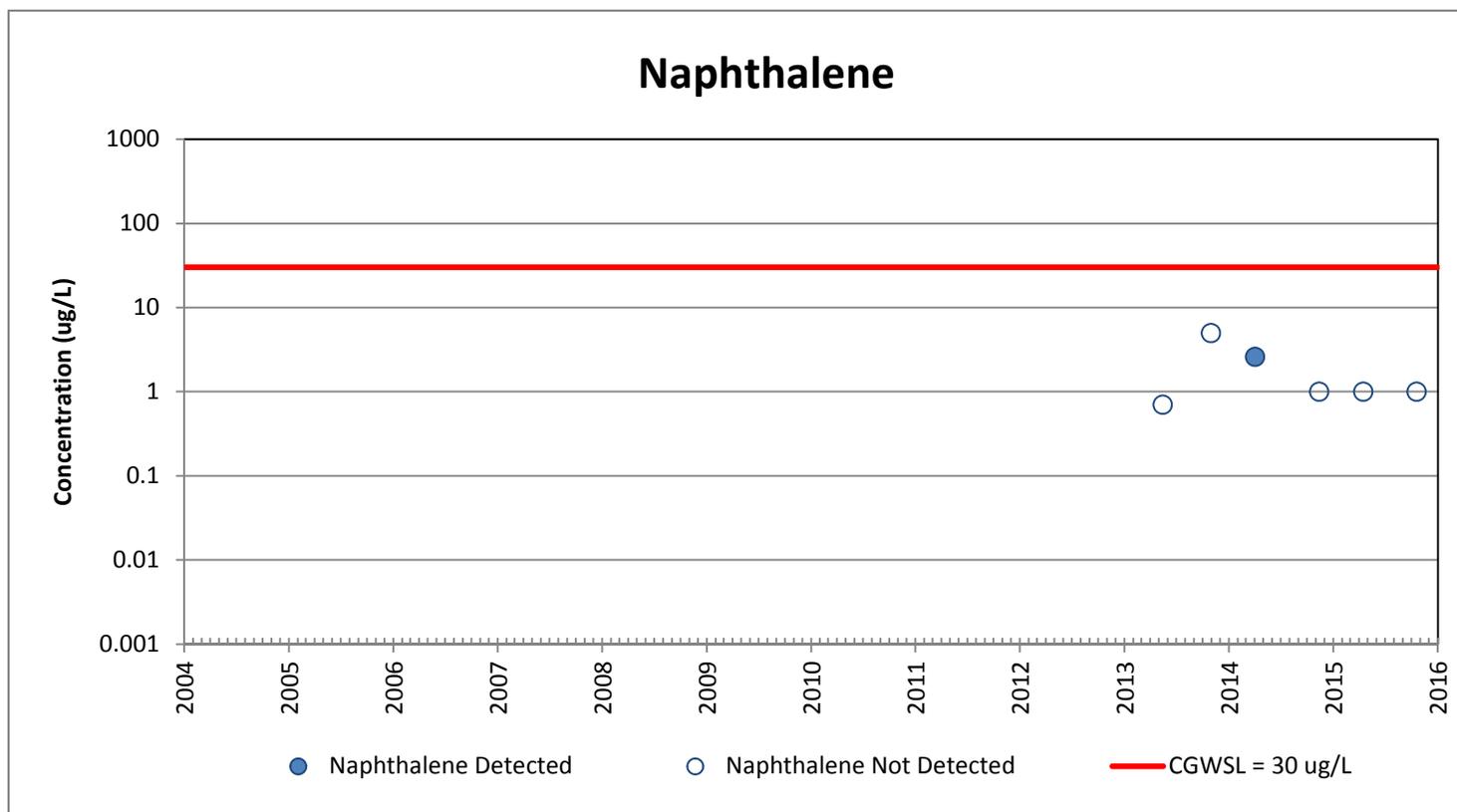
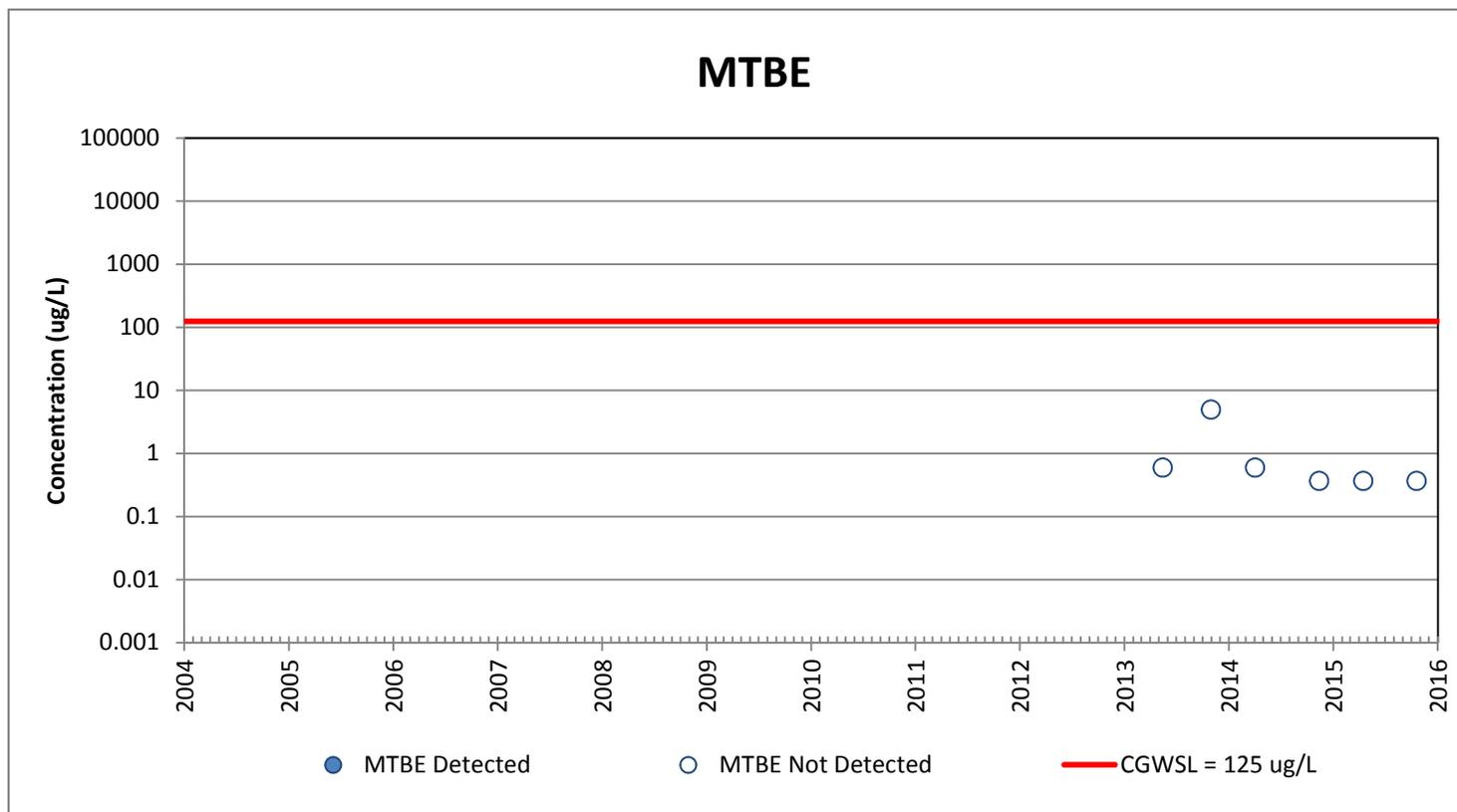
# MW-120



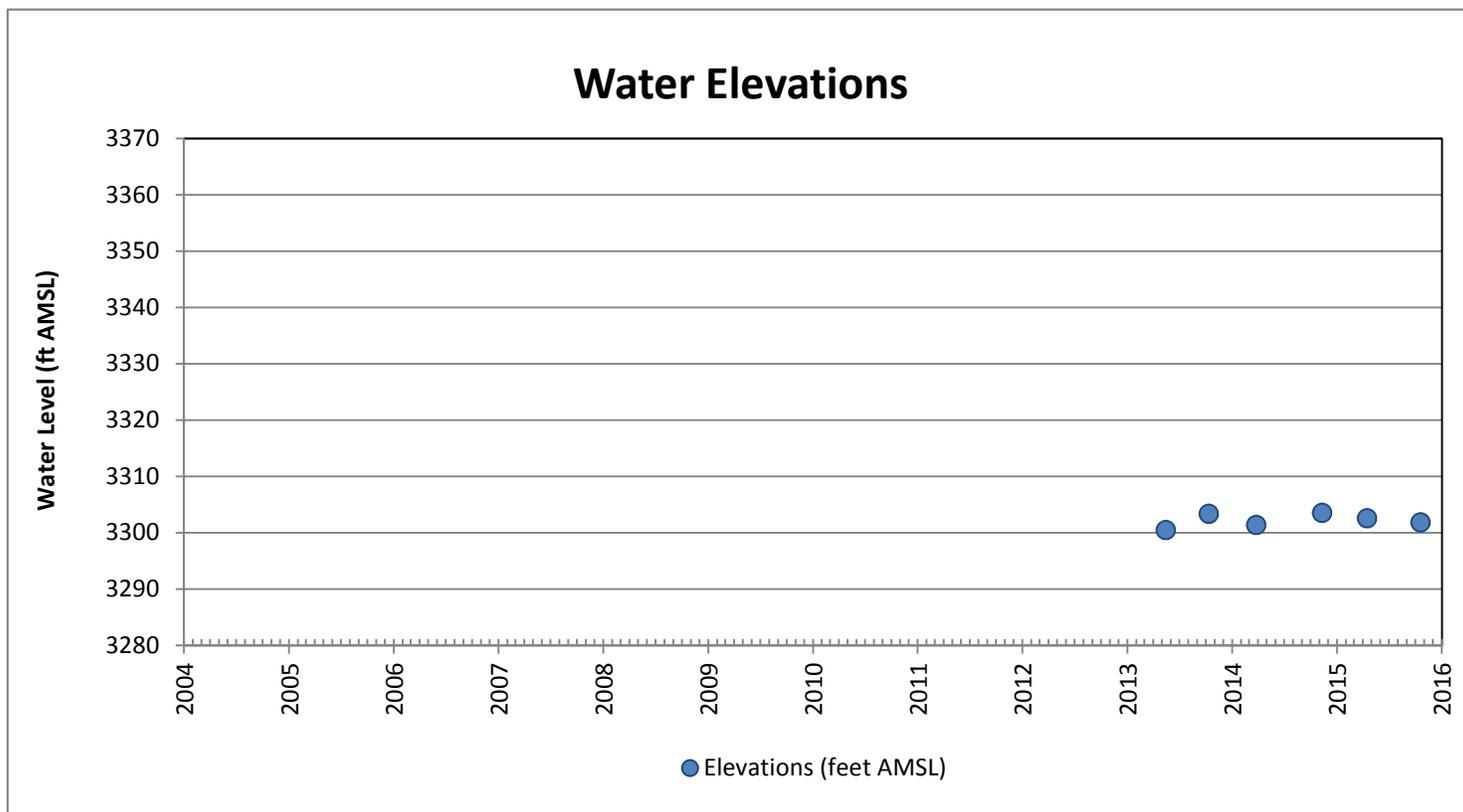
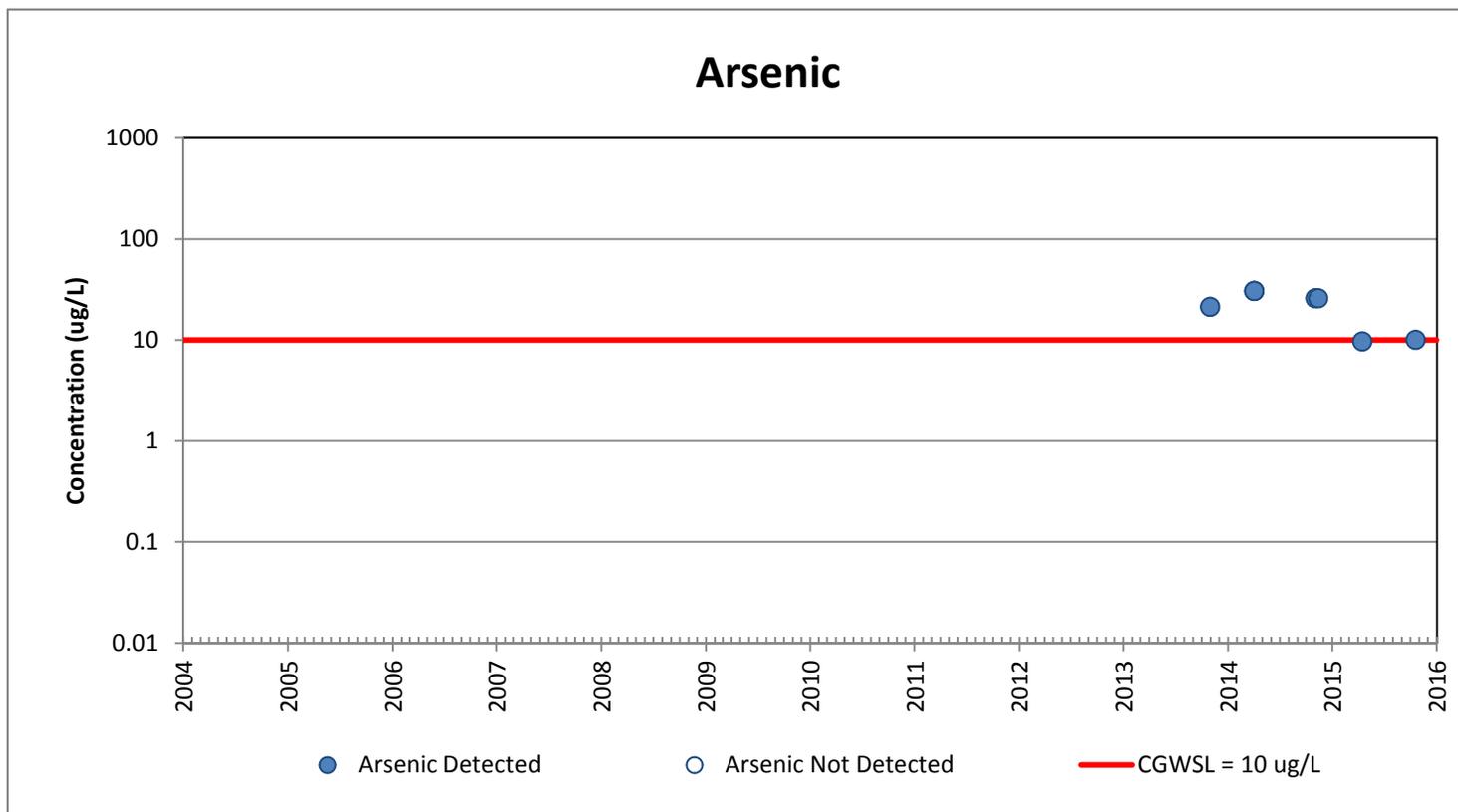
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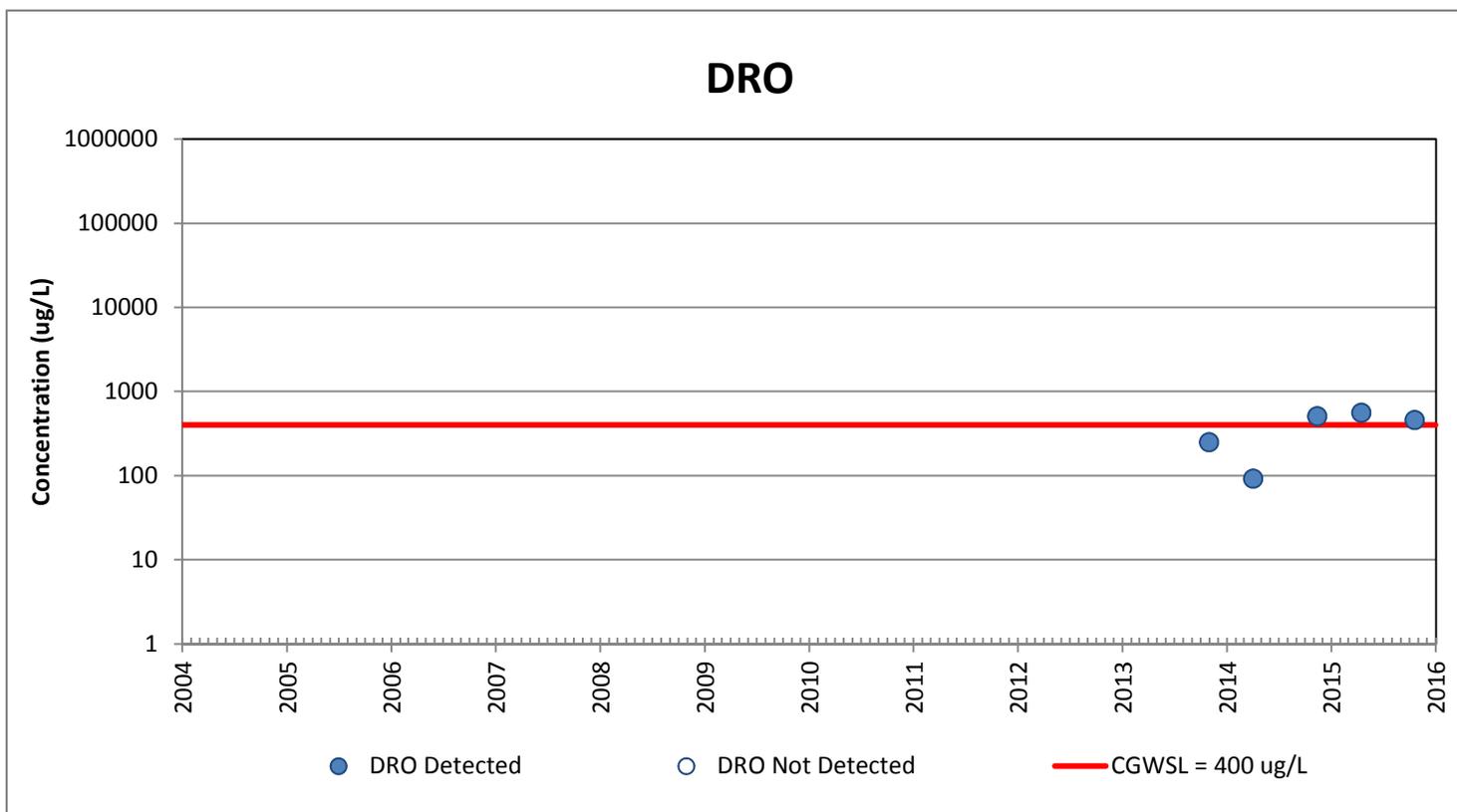
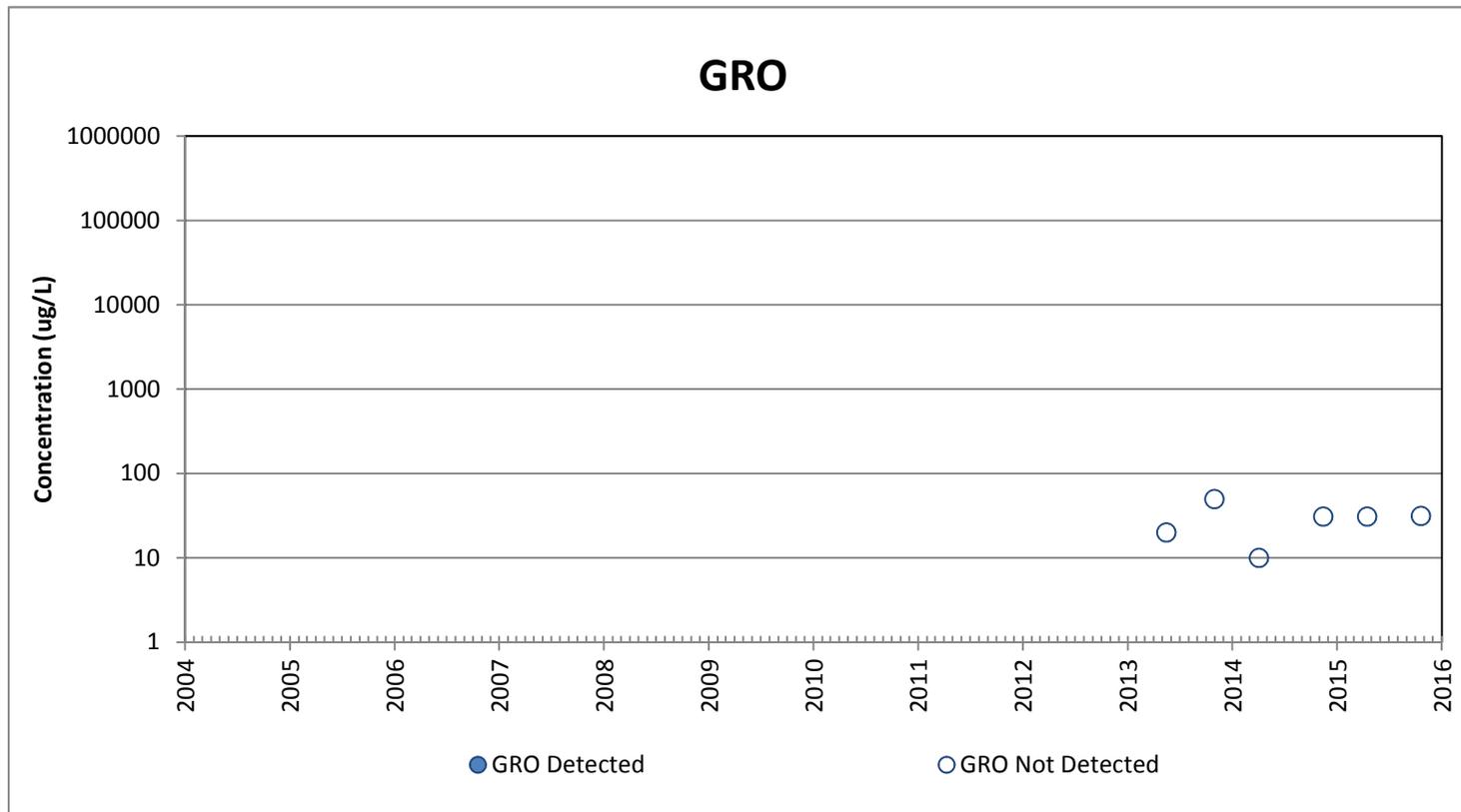
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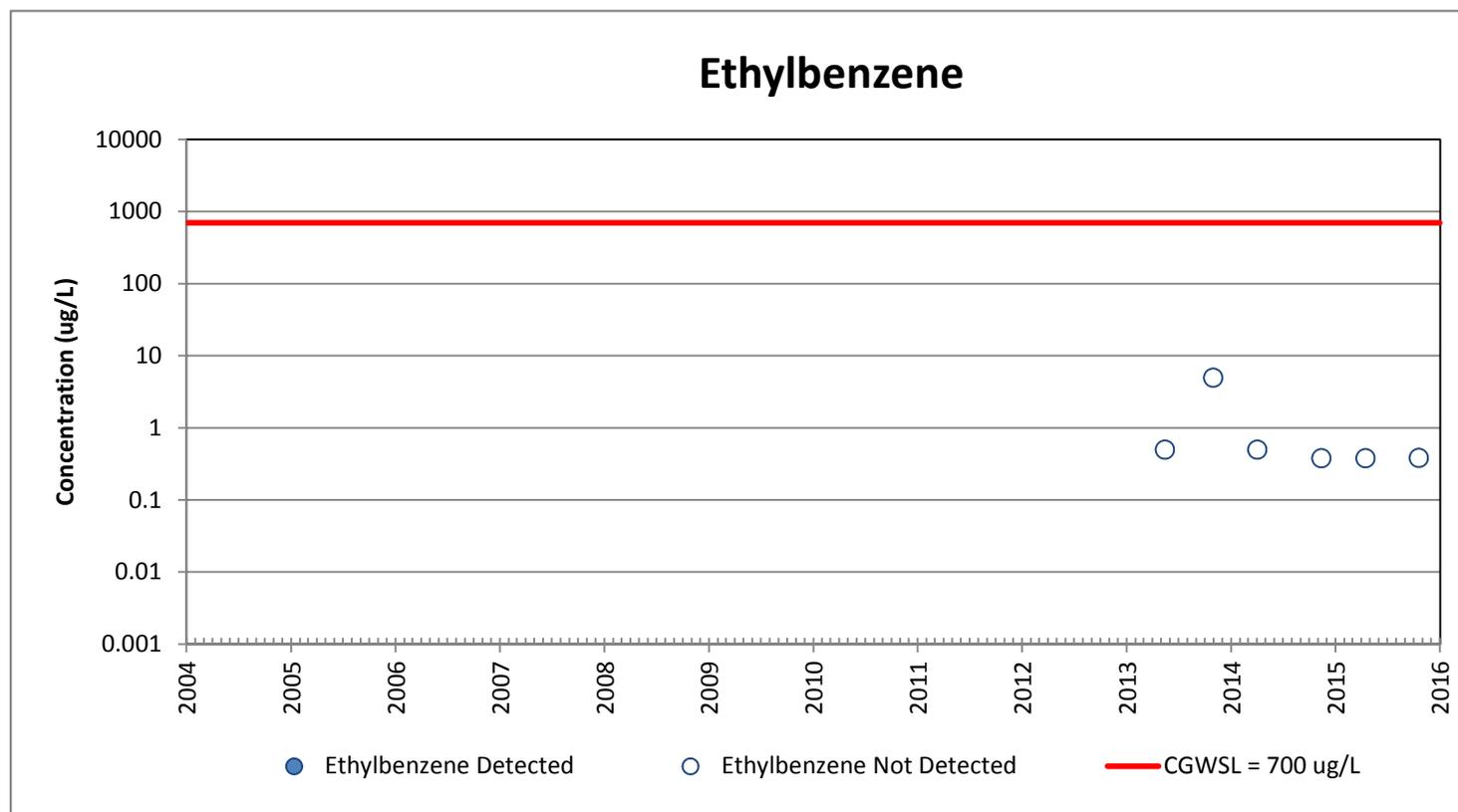
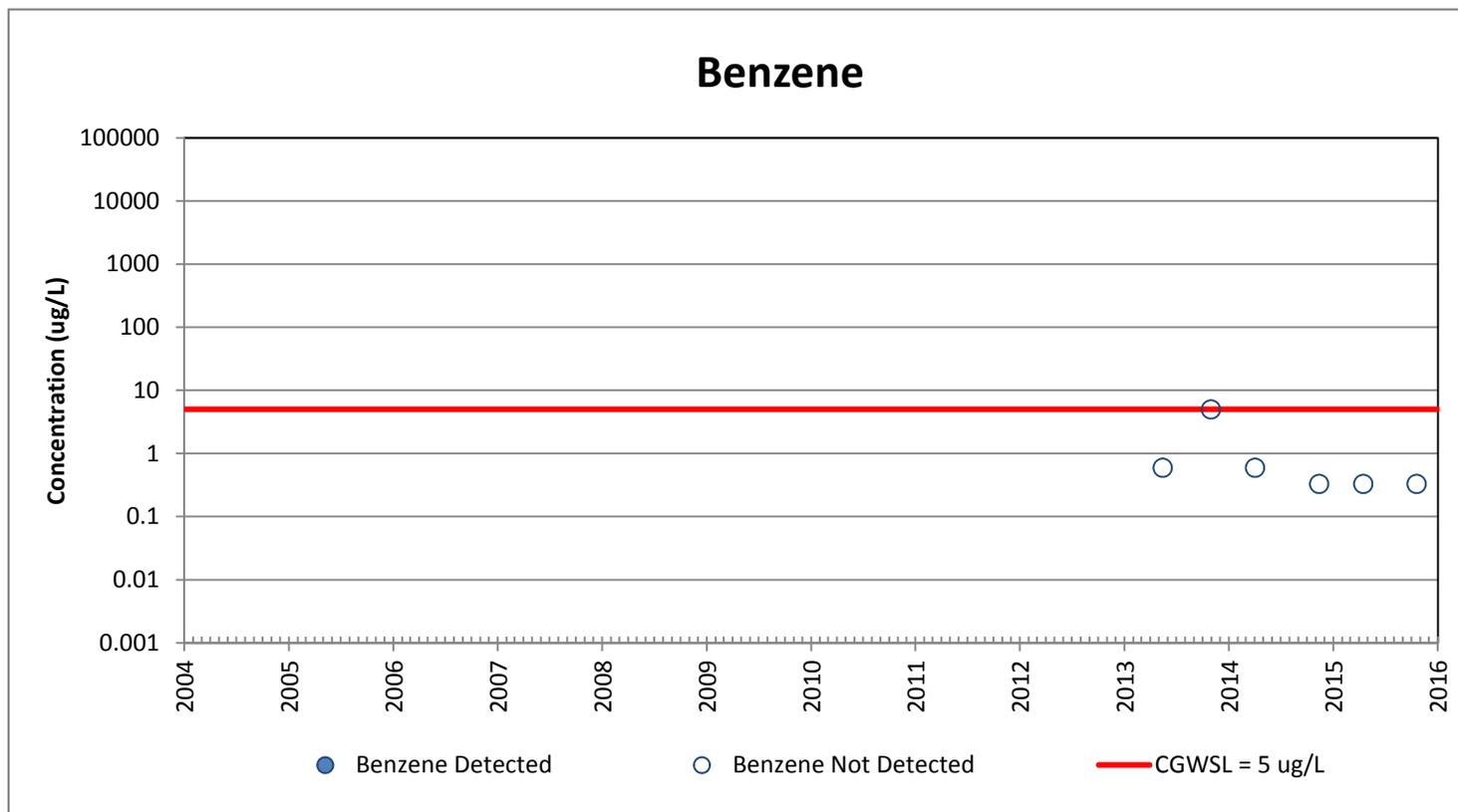
# MW-120



# MW-121

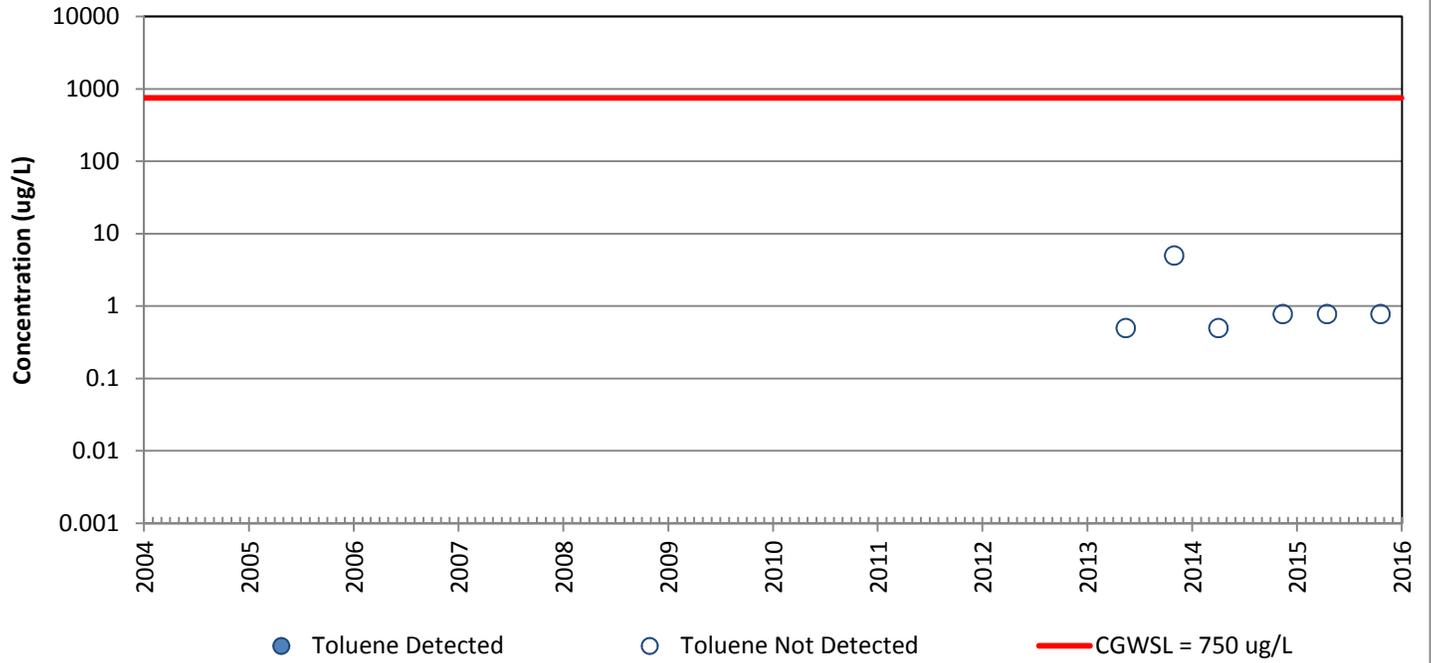


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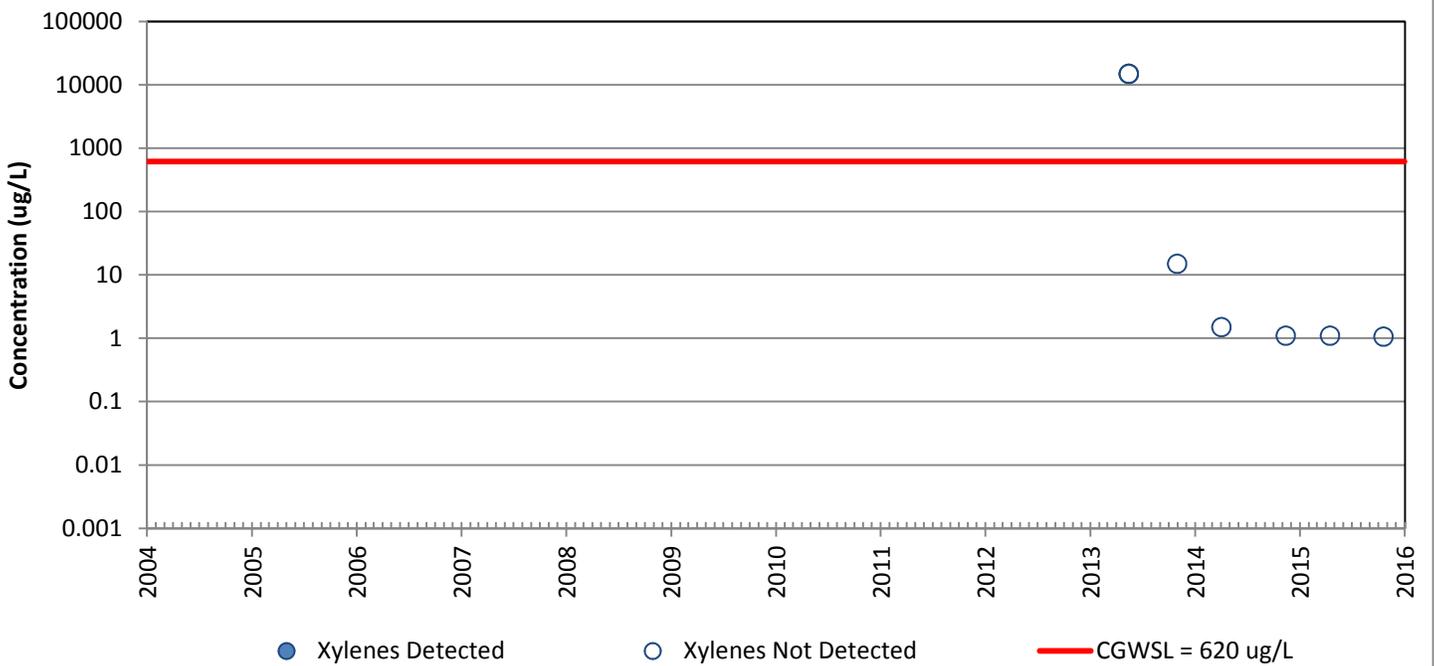


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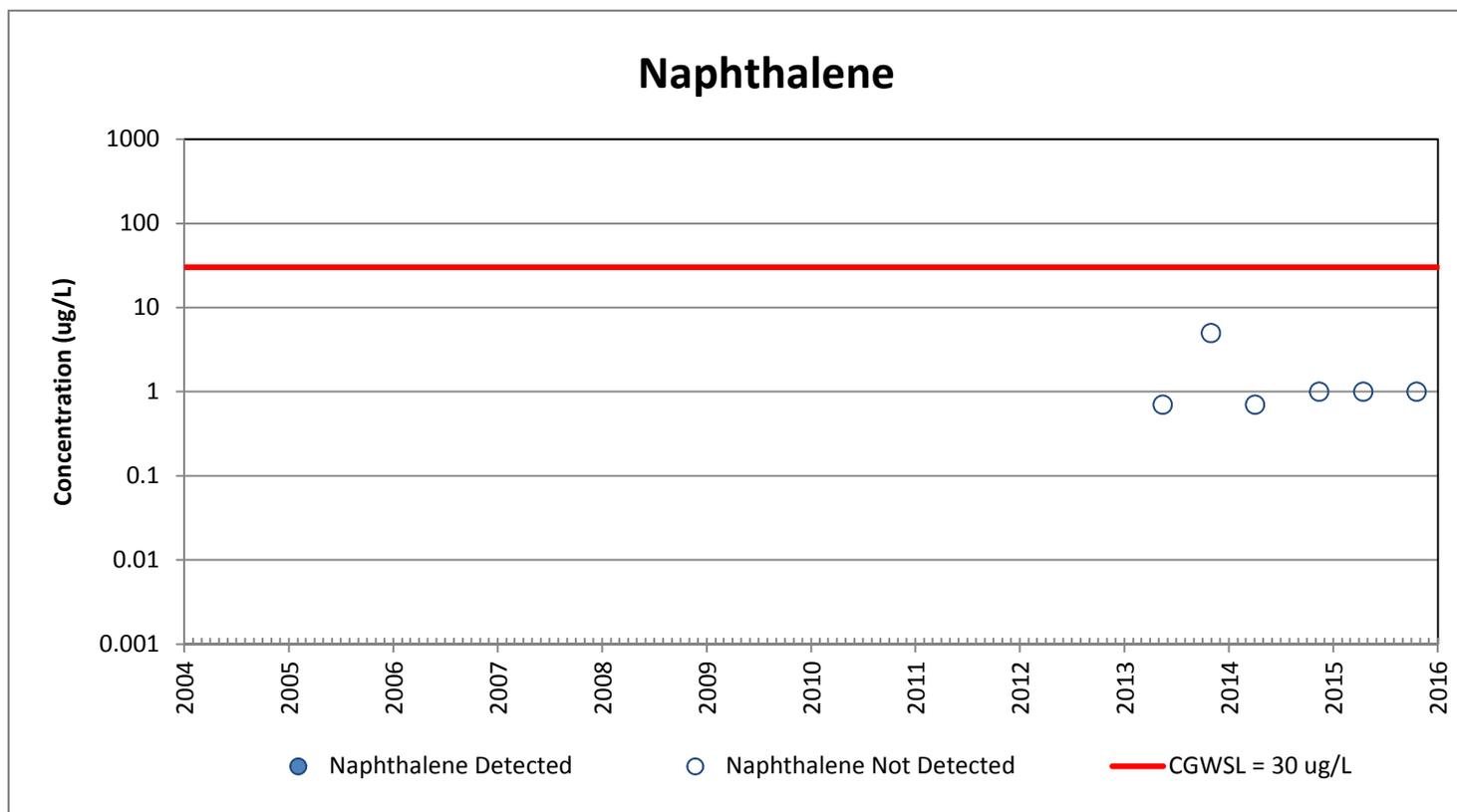
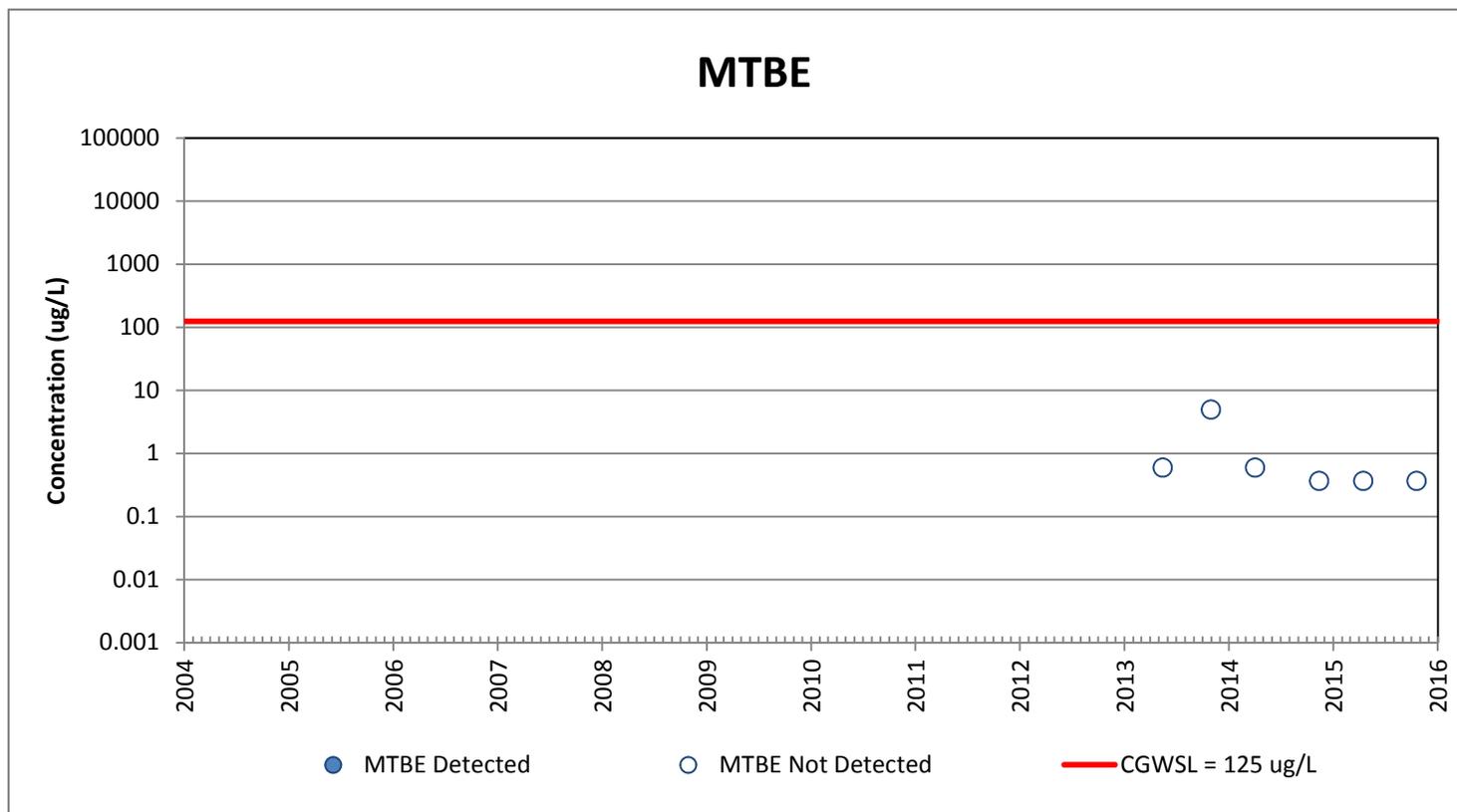
## Toluene



## Xylenes

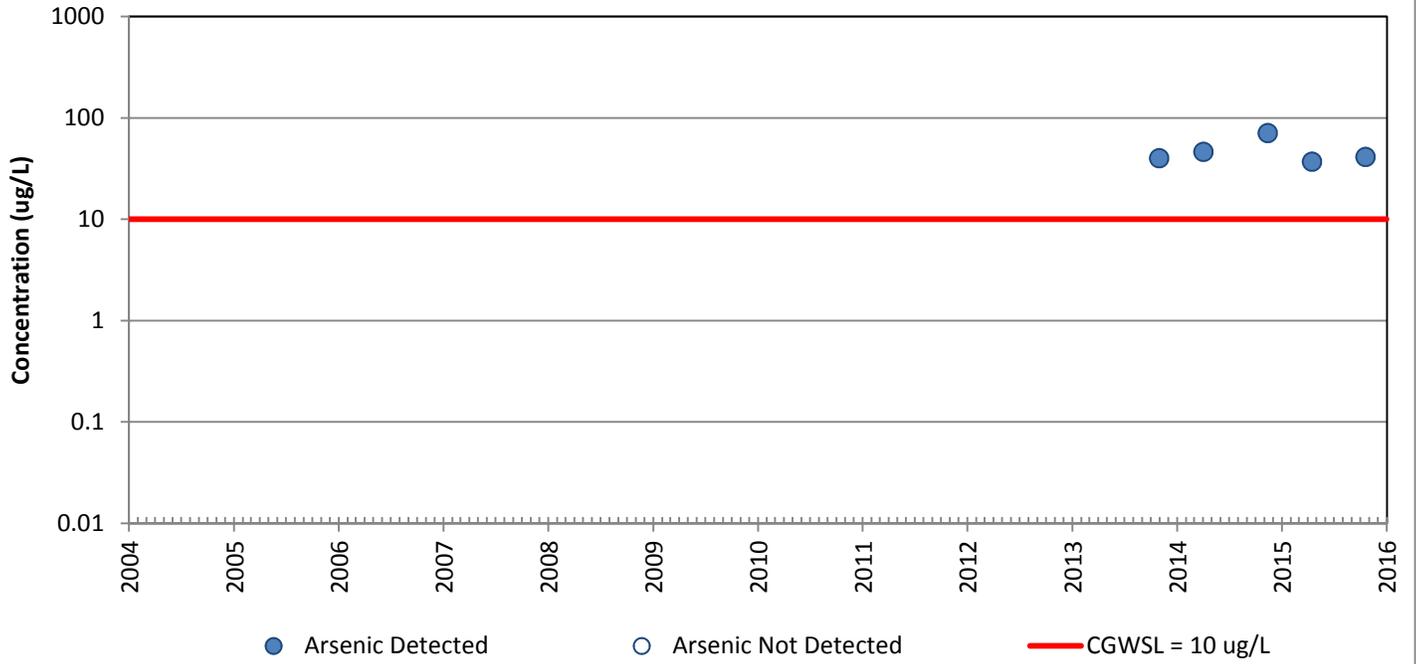


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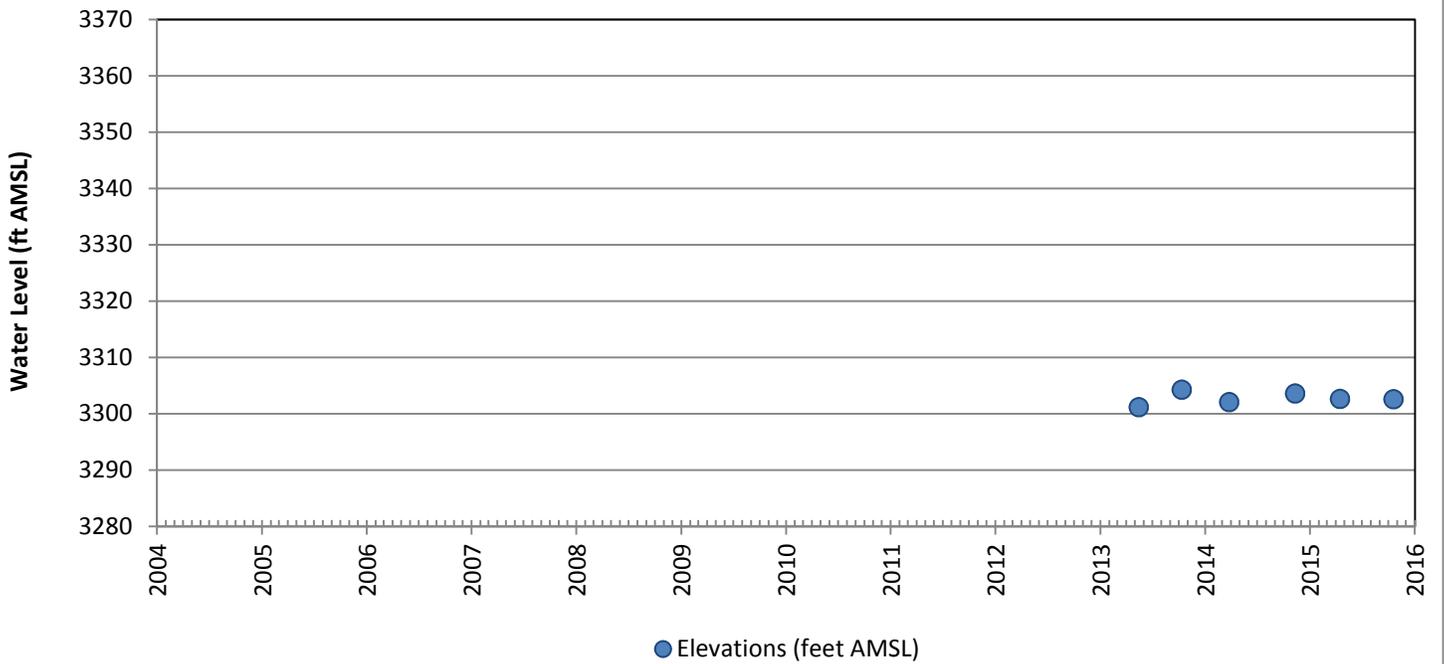


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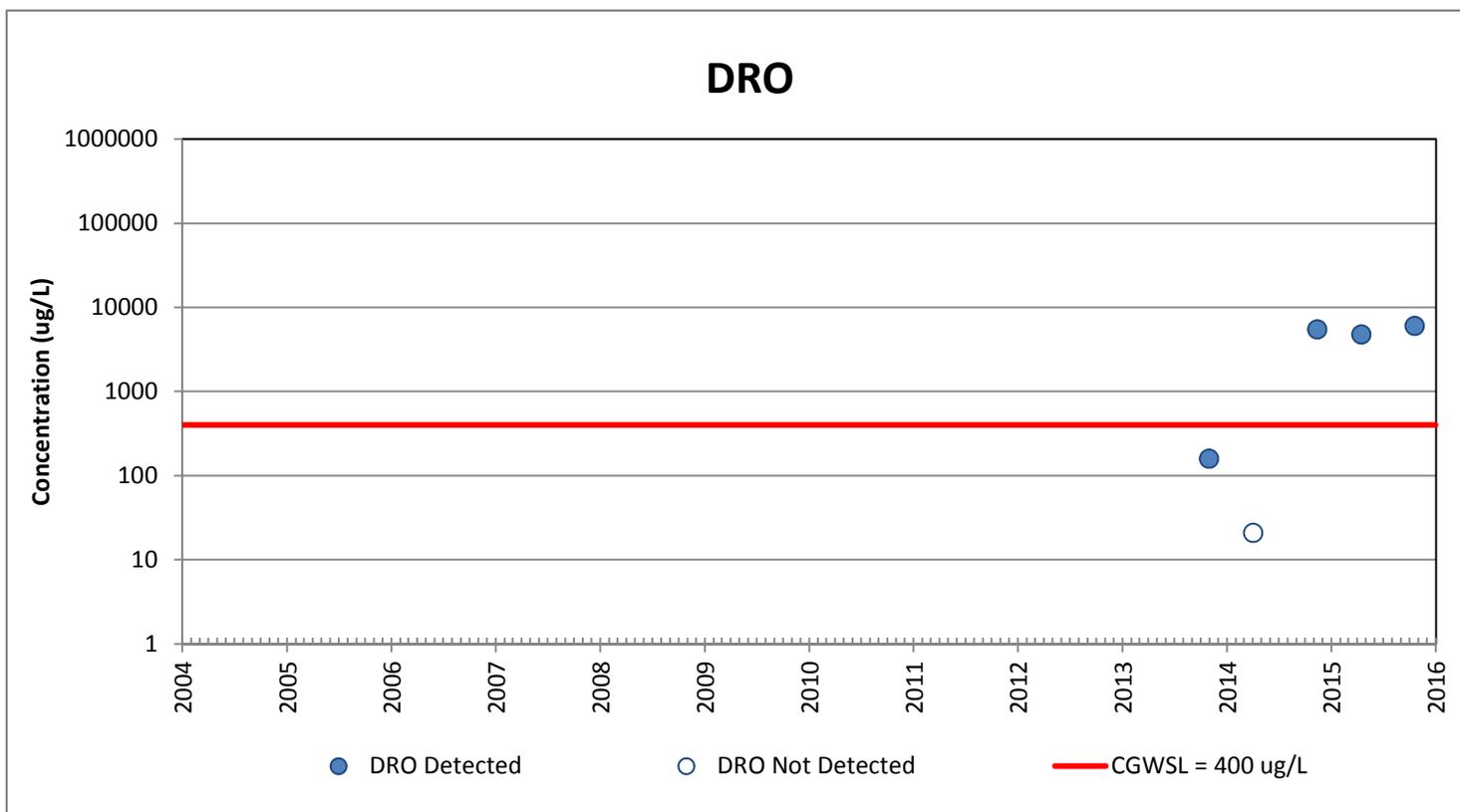
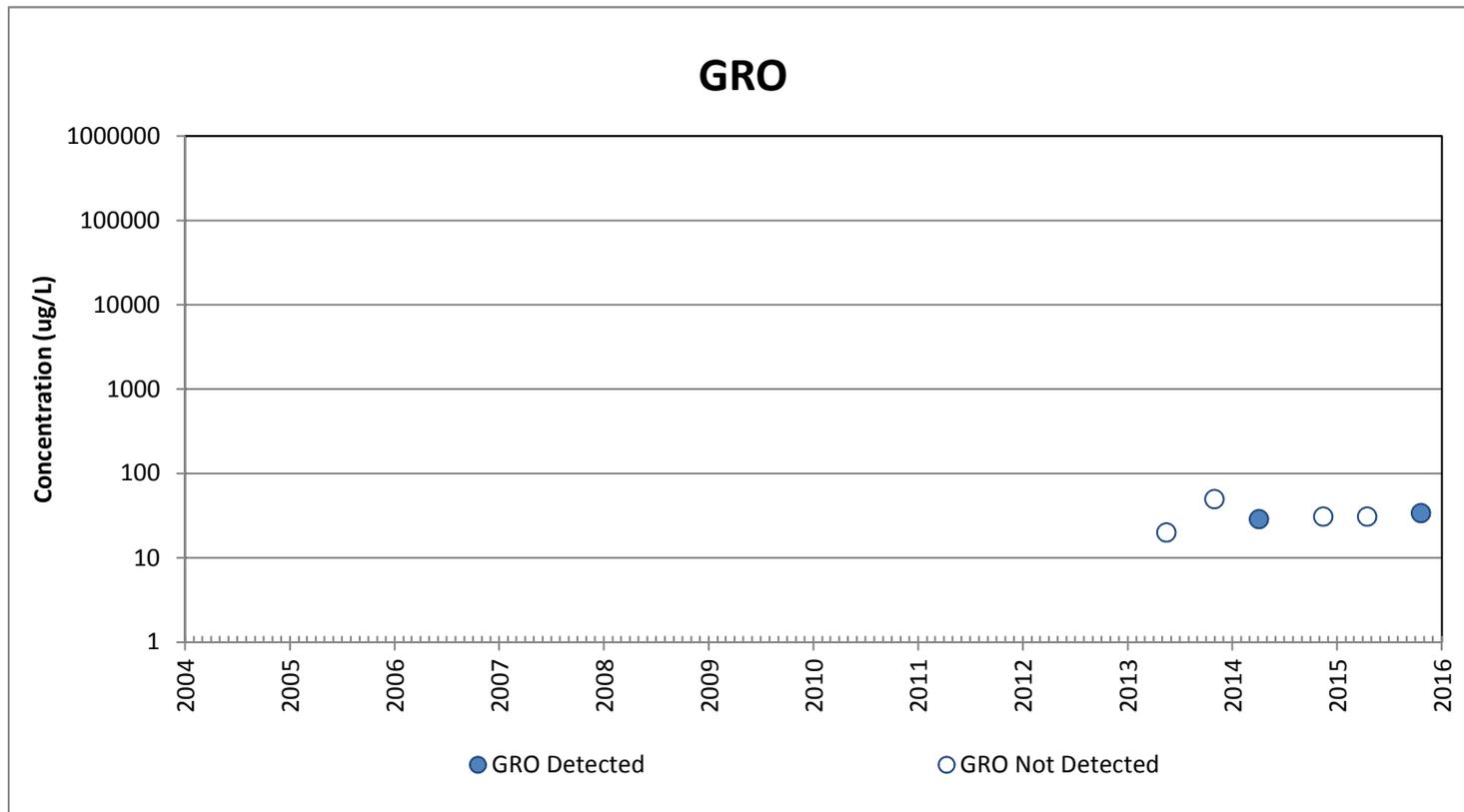
## Arsenic



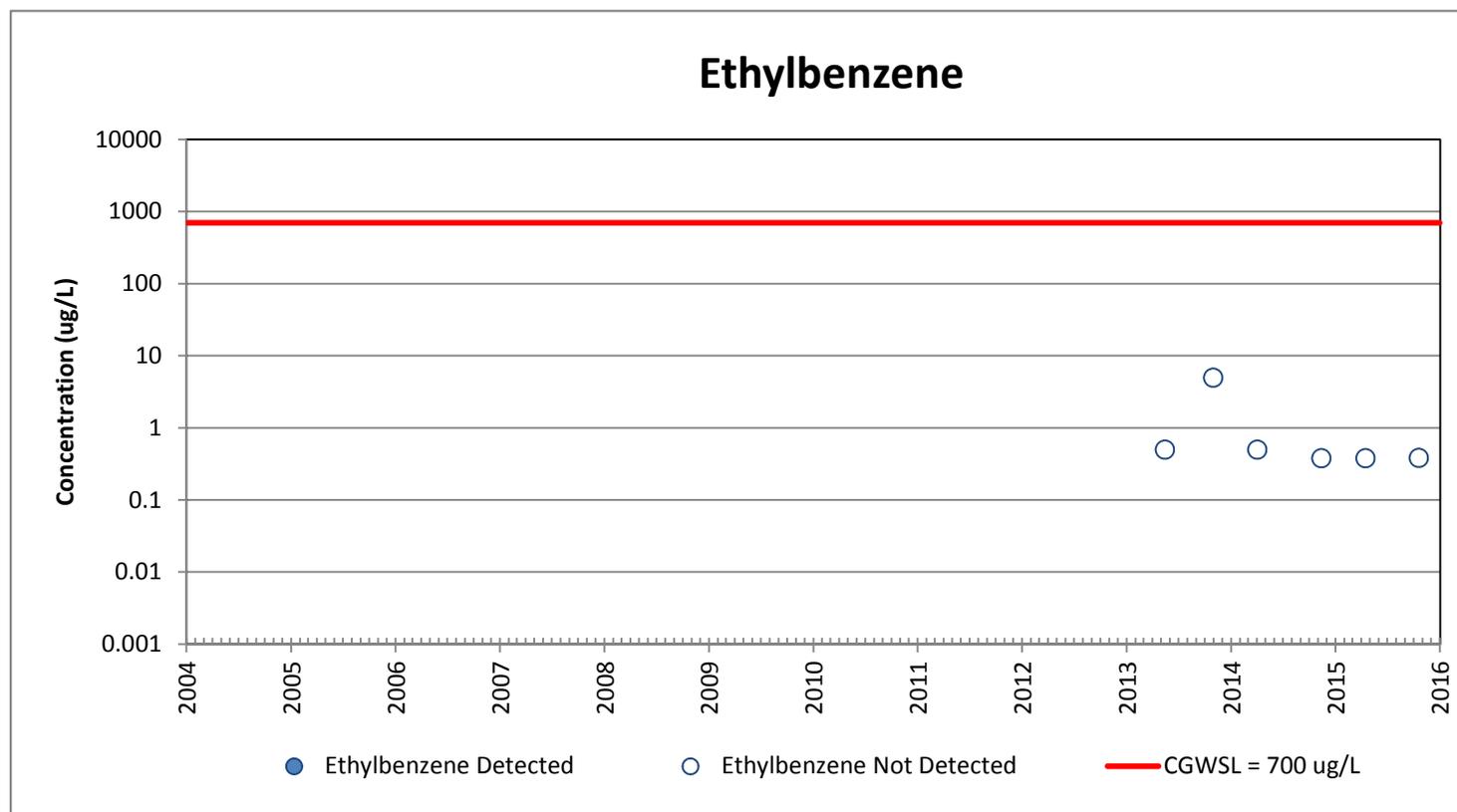
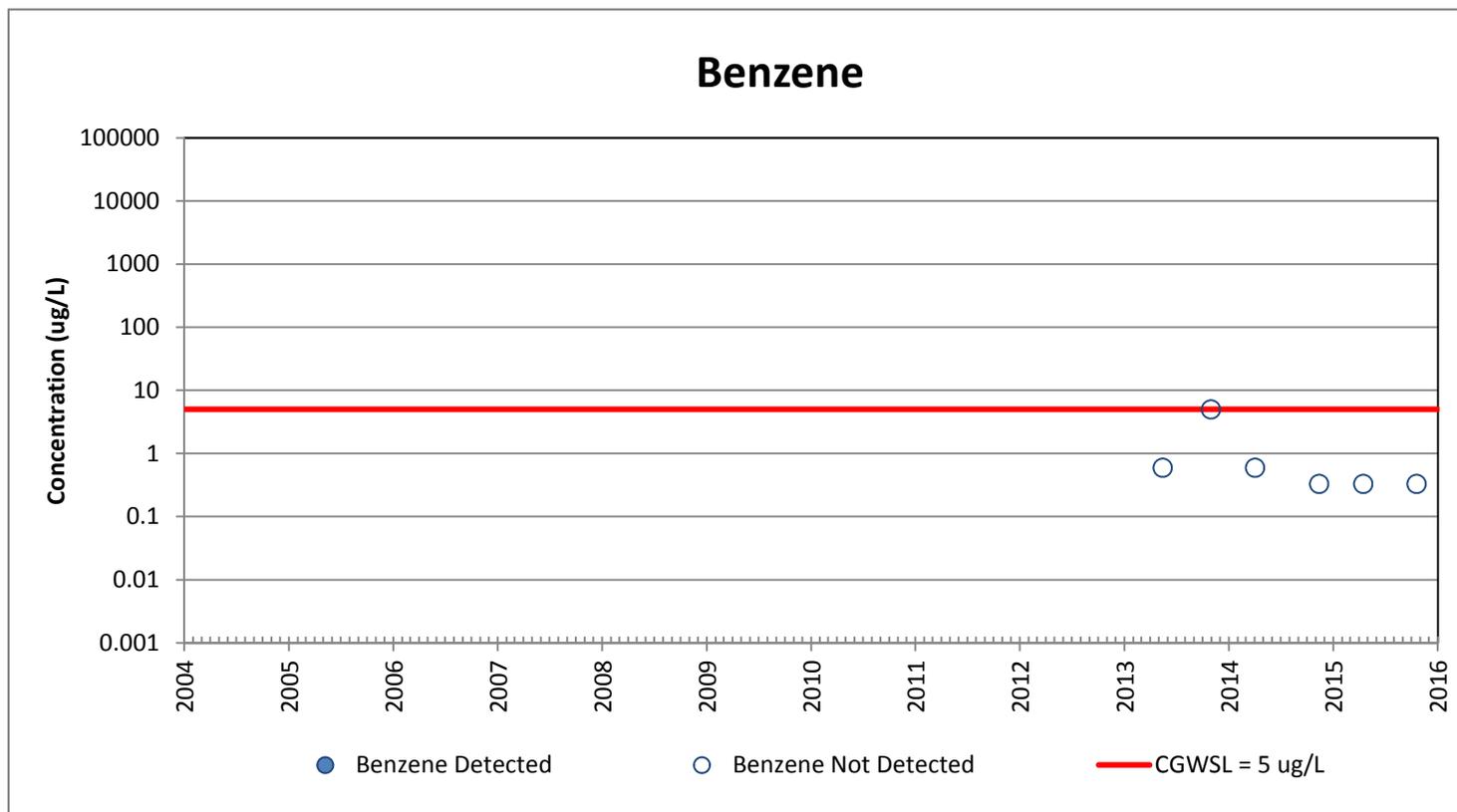
## Water Elevations



# MW-122

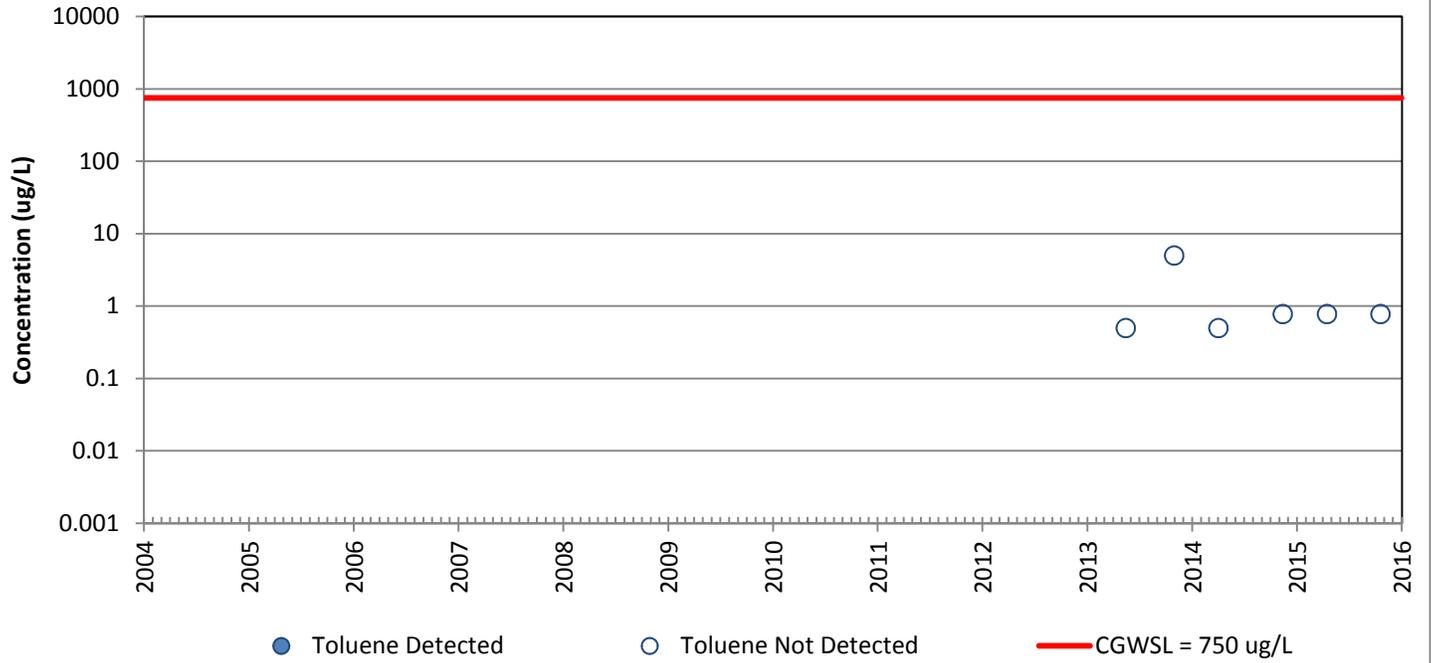


# MW-122

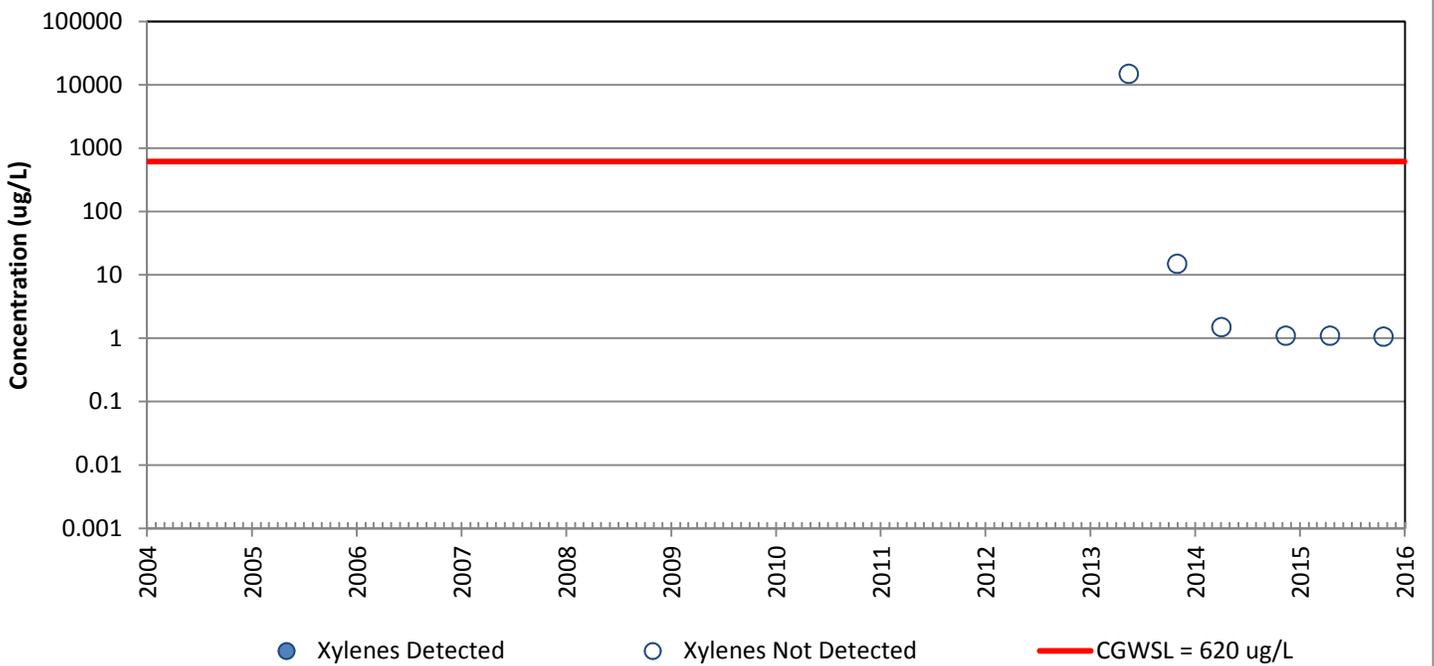


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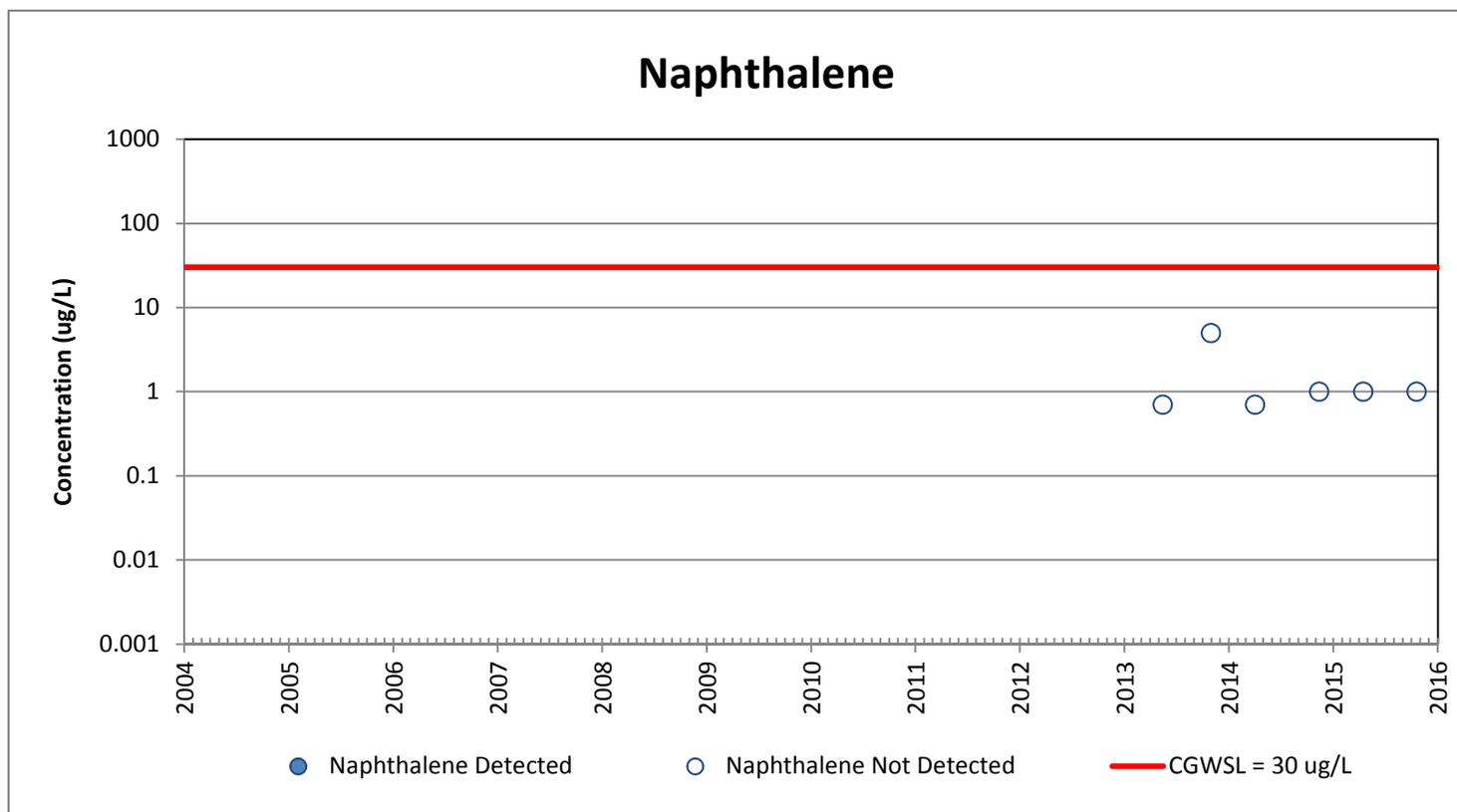
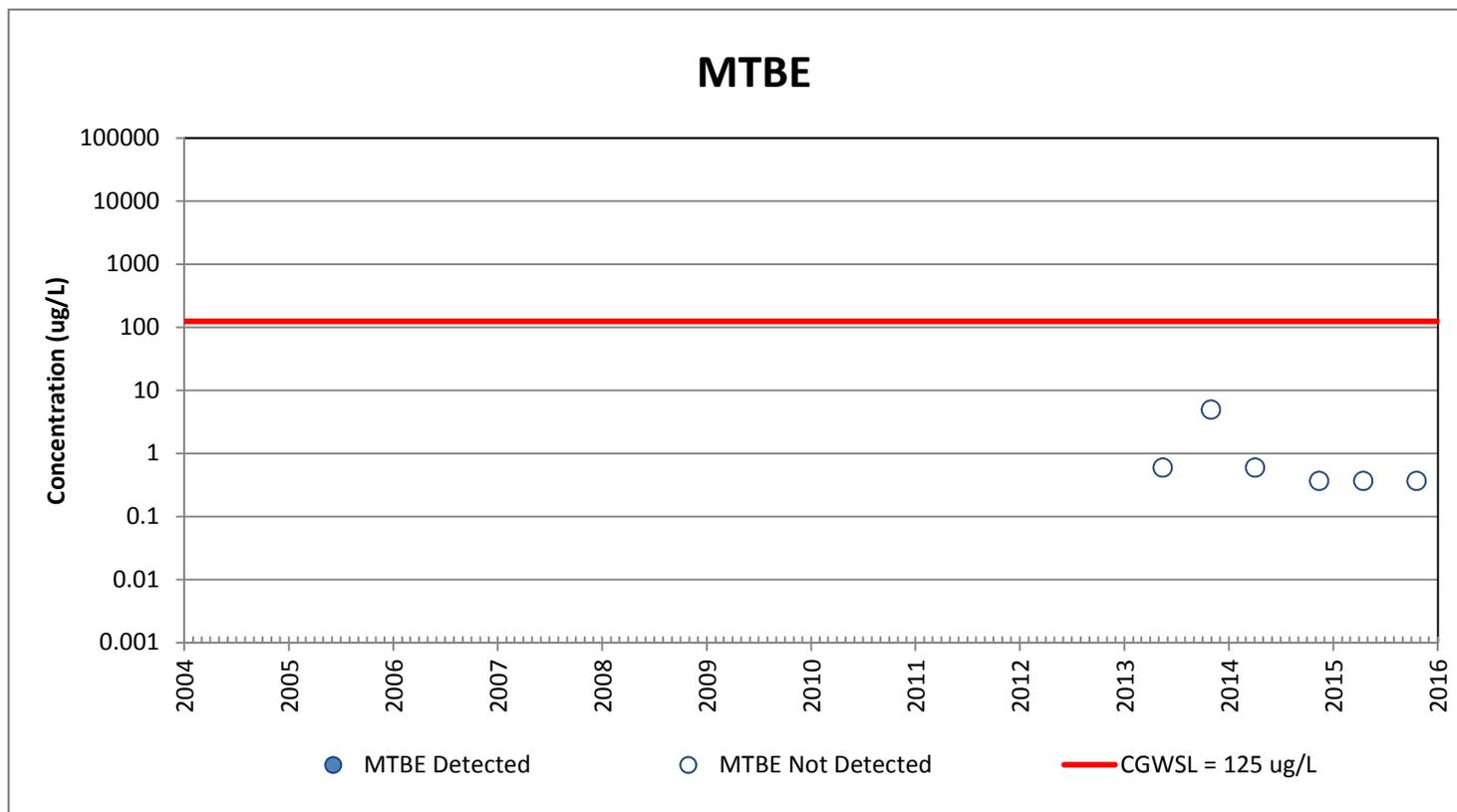
## Toluene



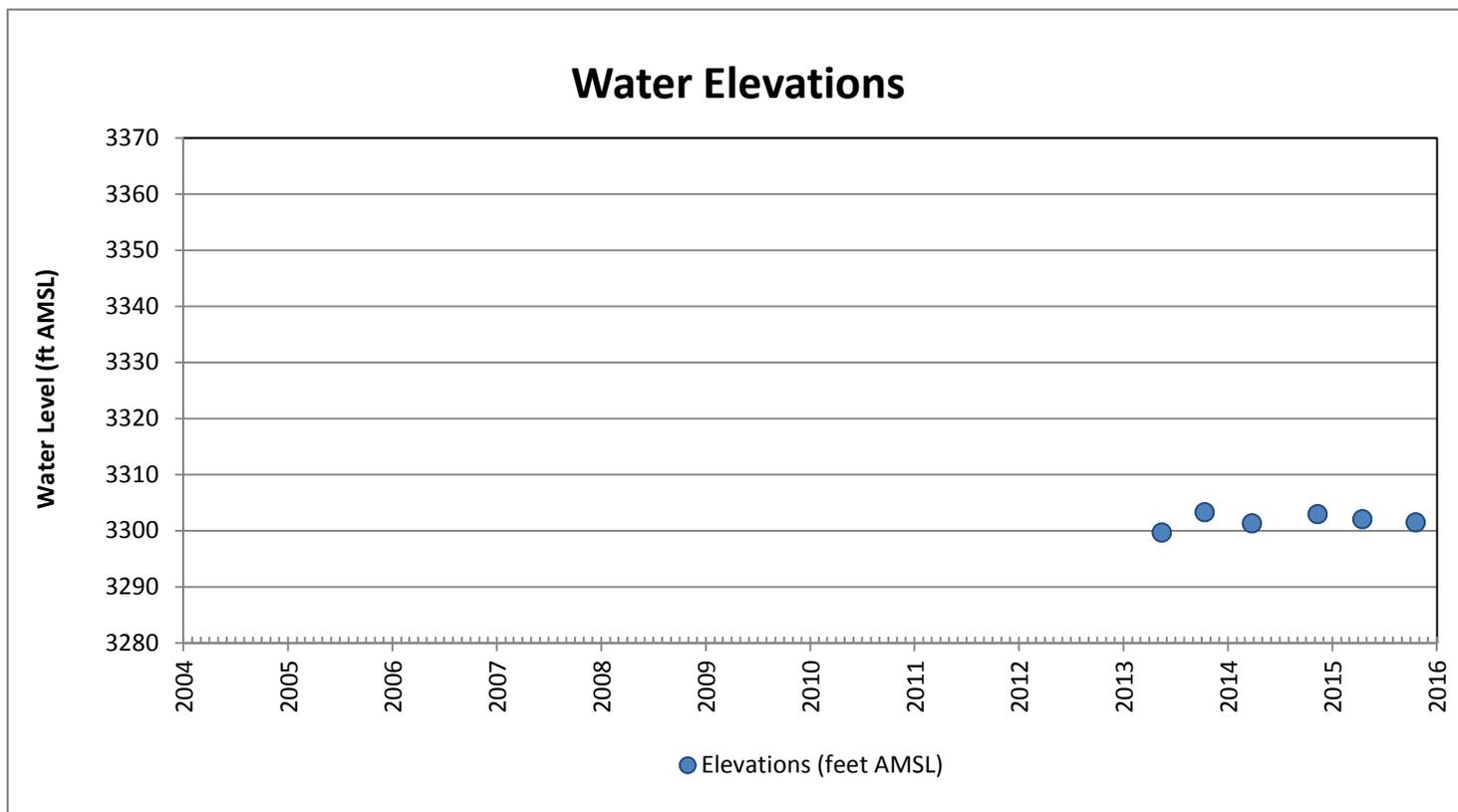
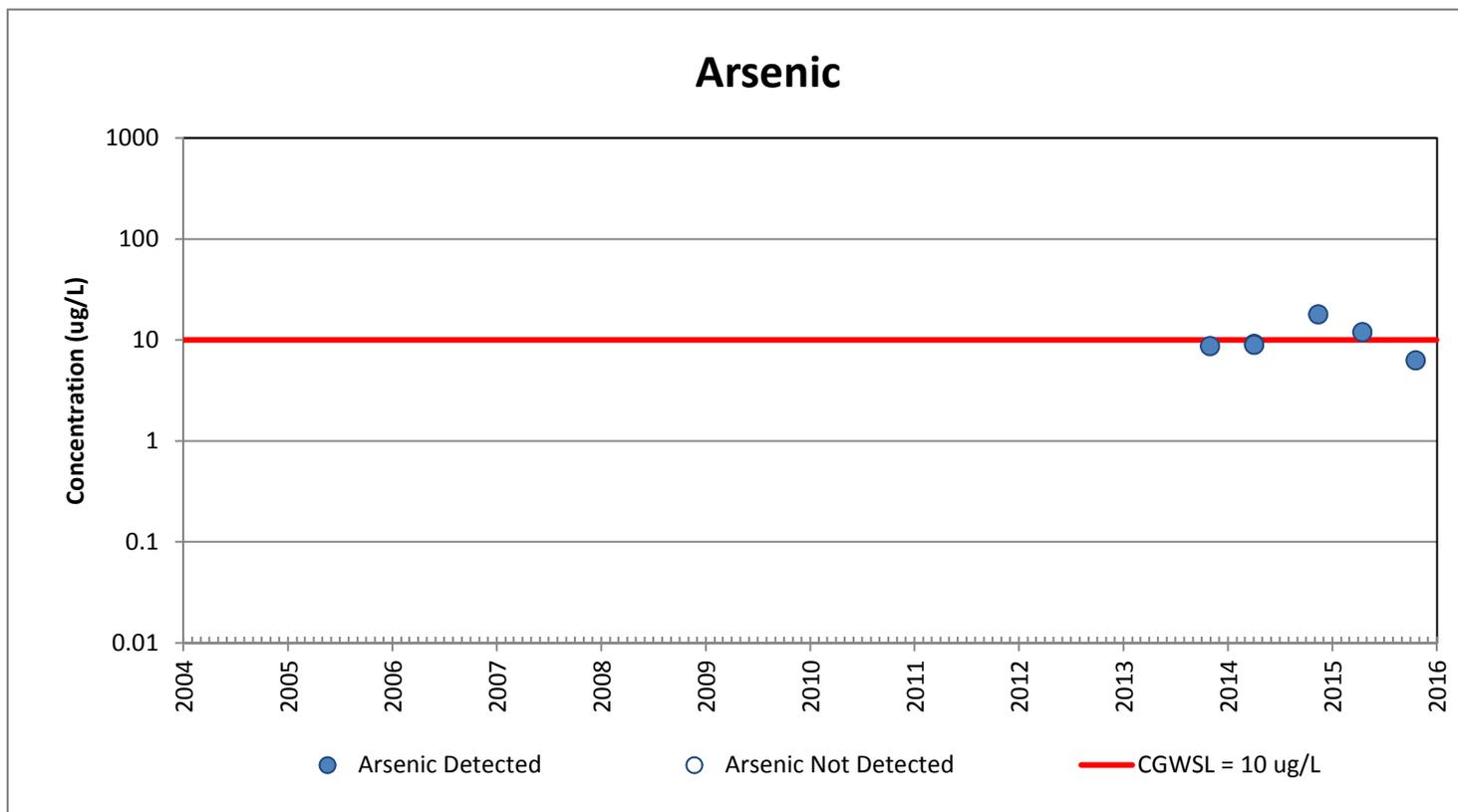
## Xylenes



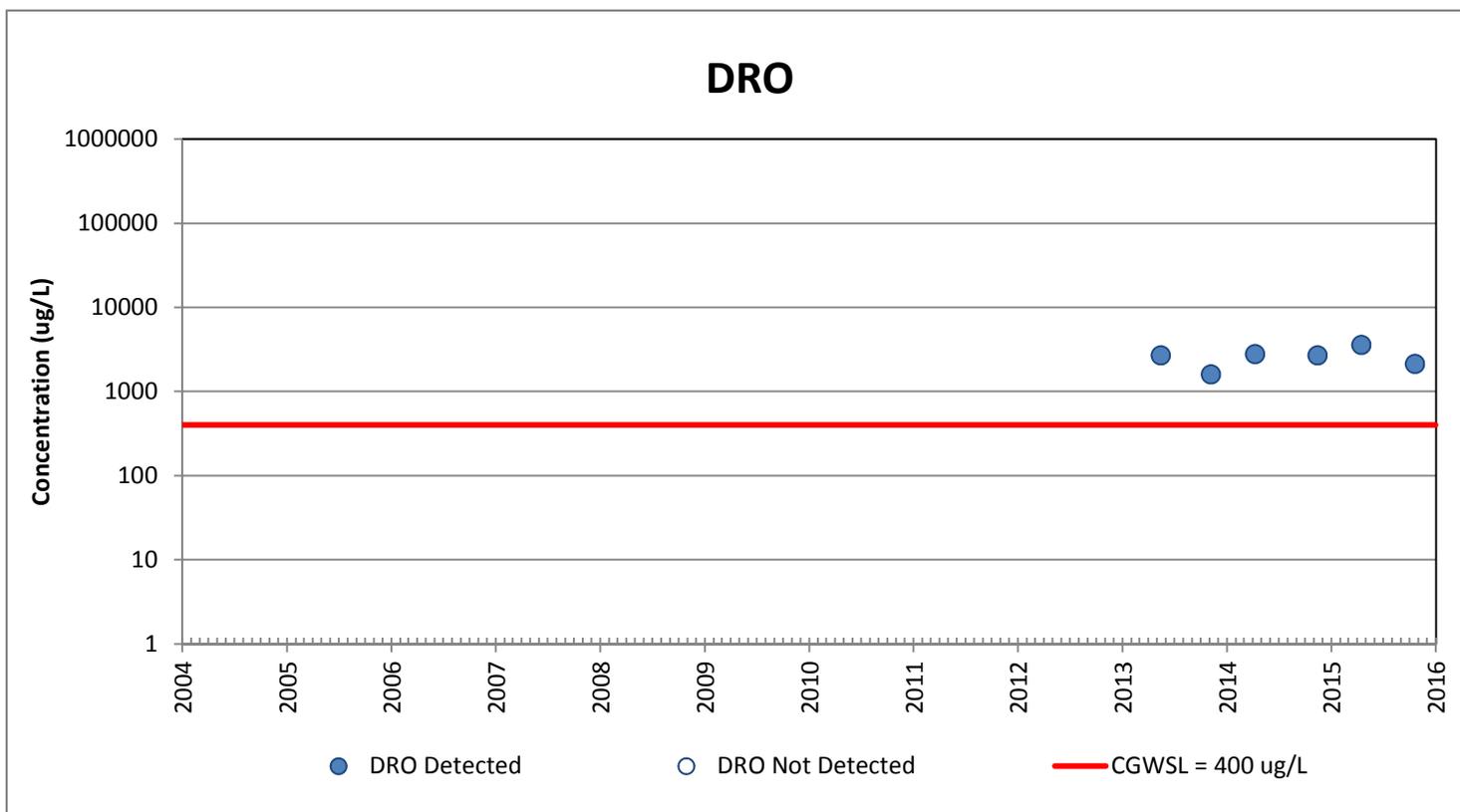
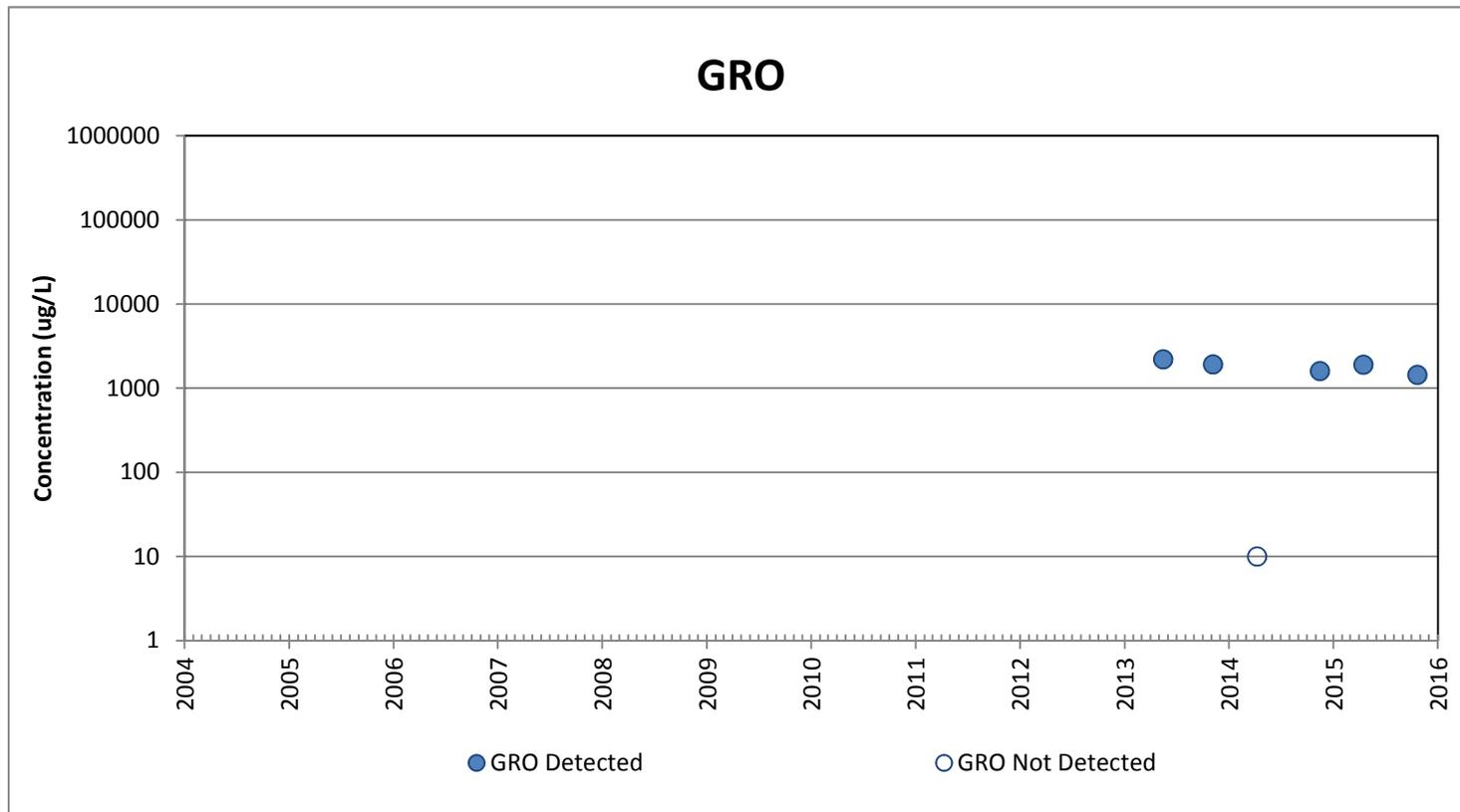
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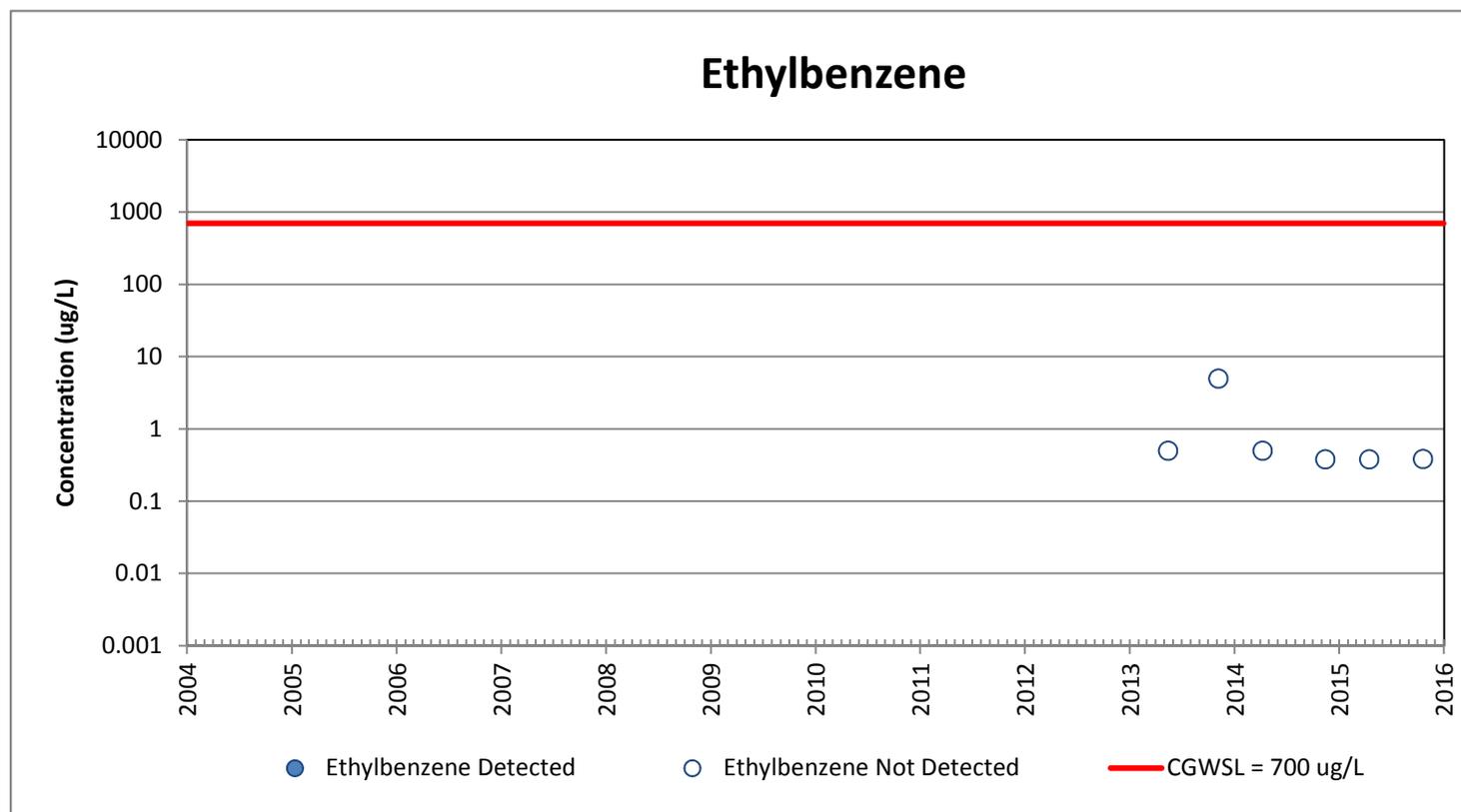
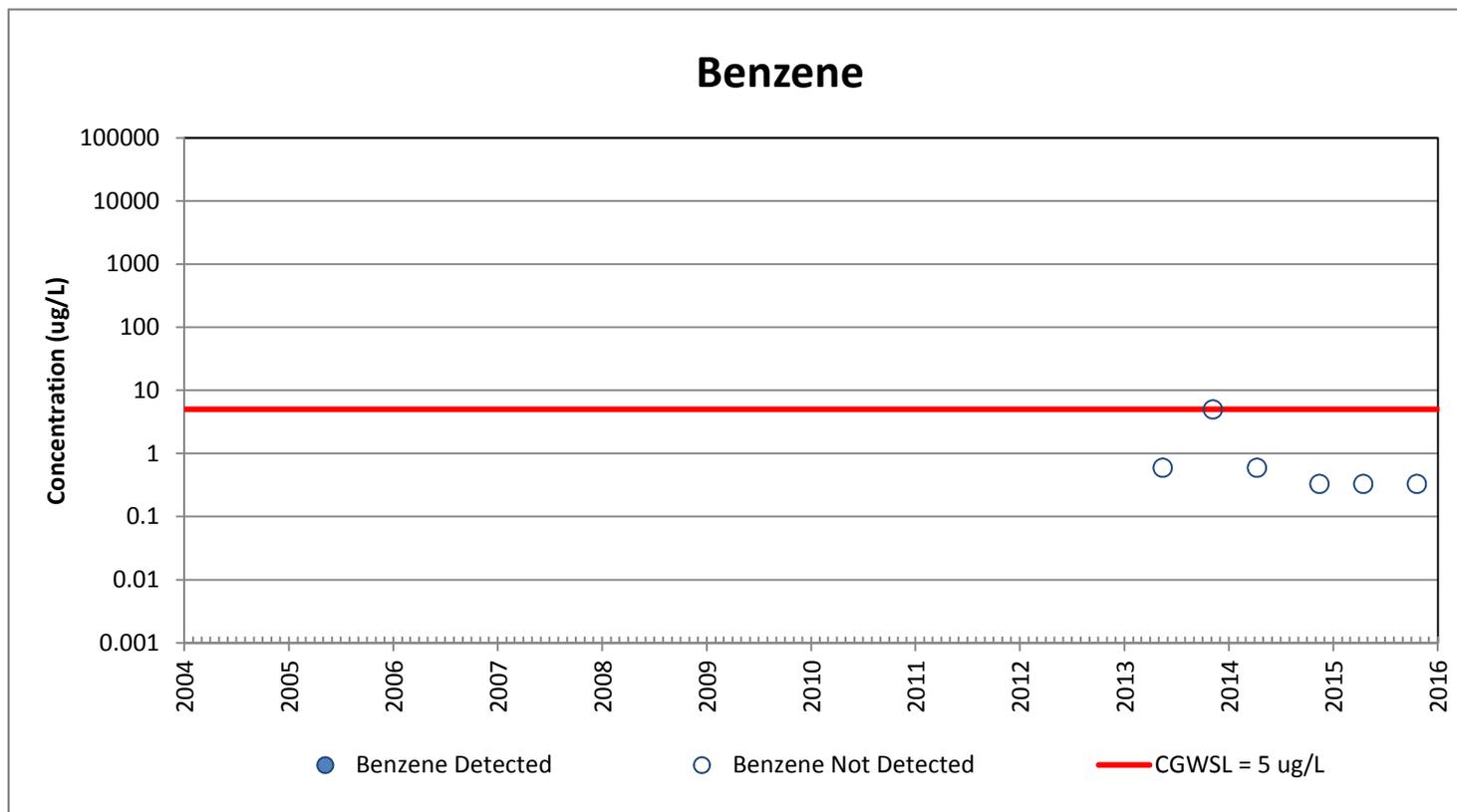
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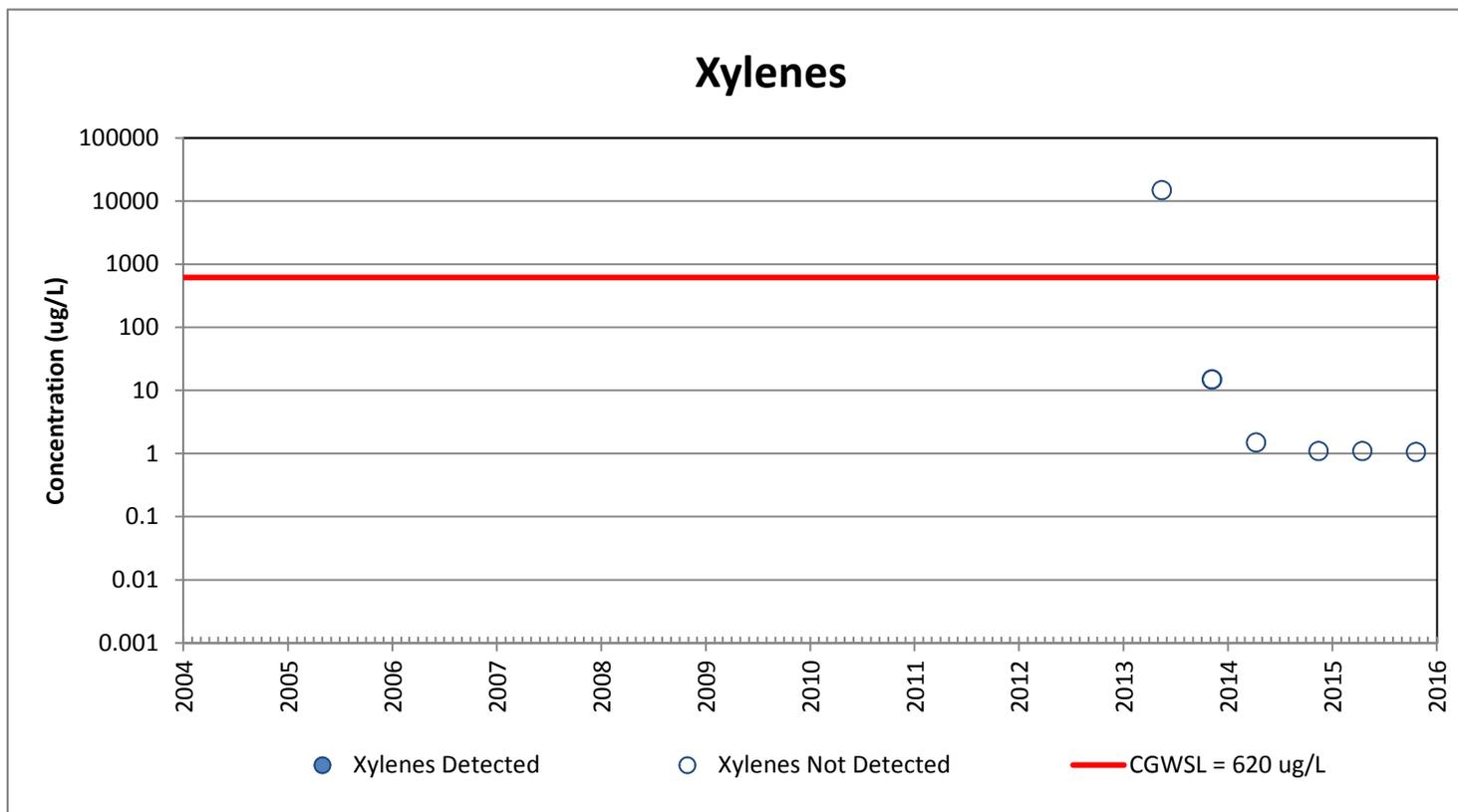
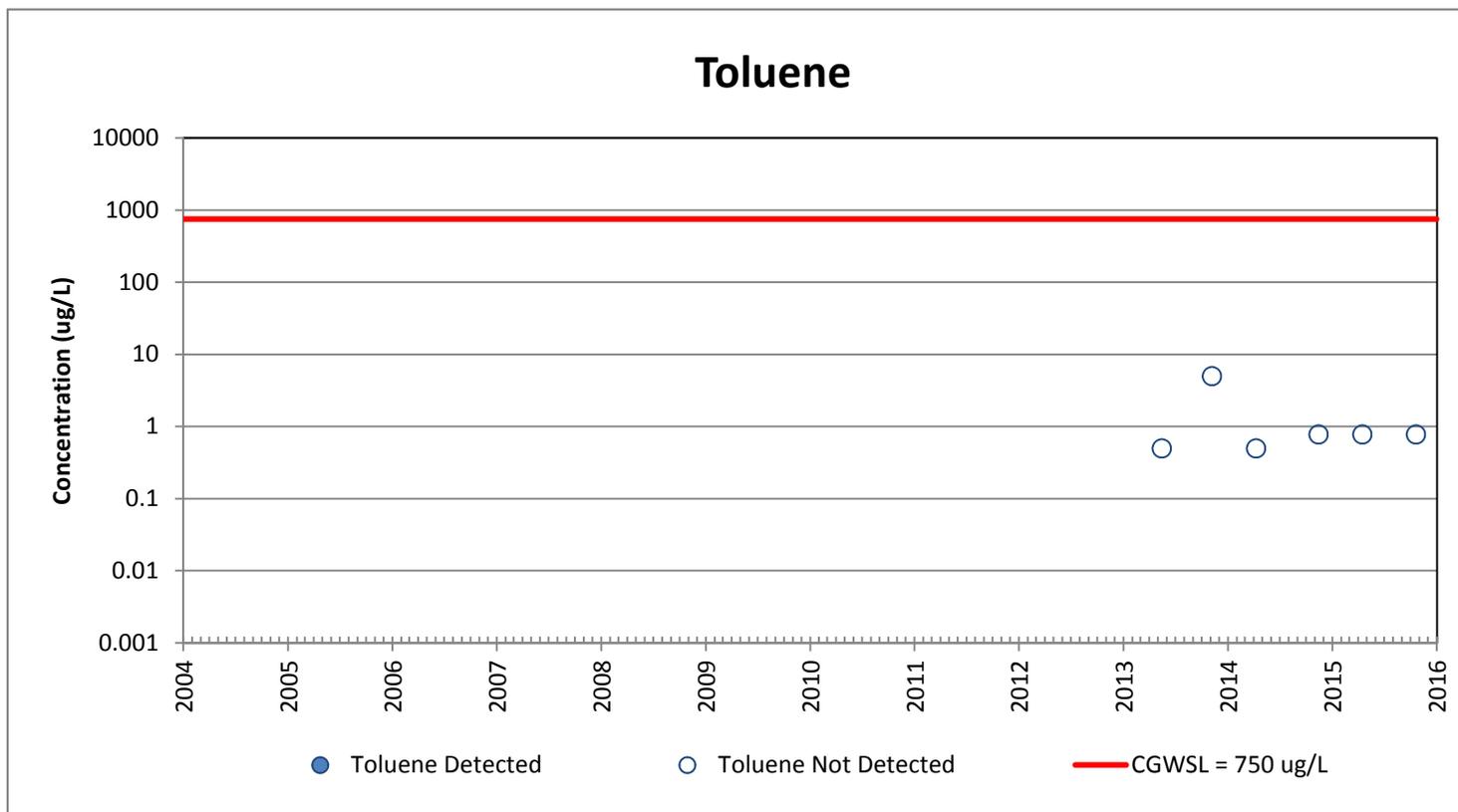
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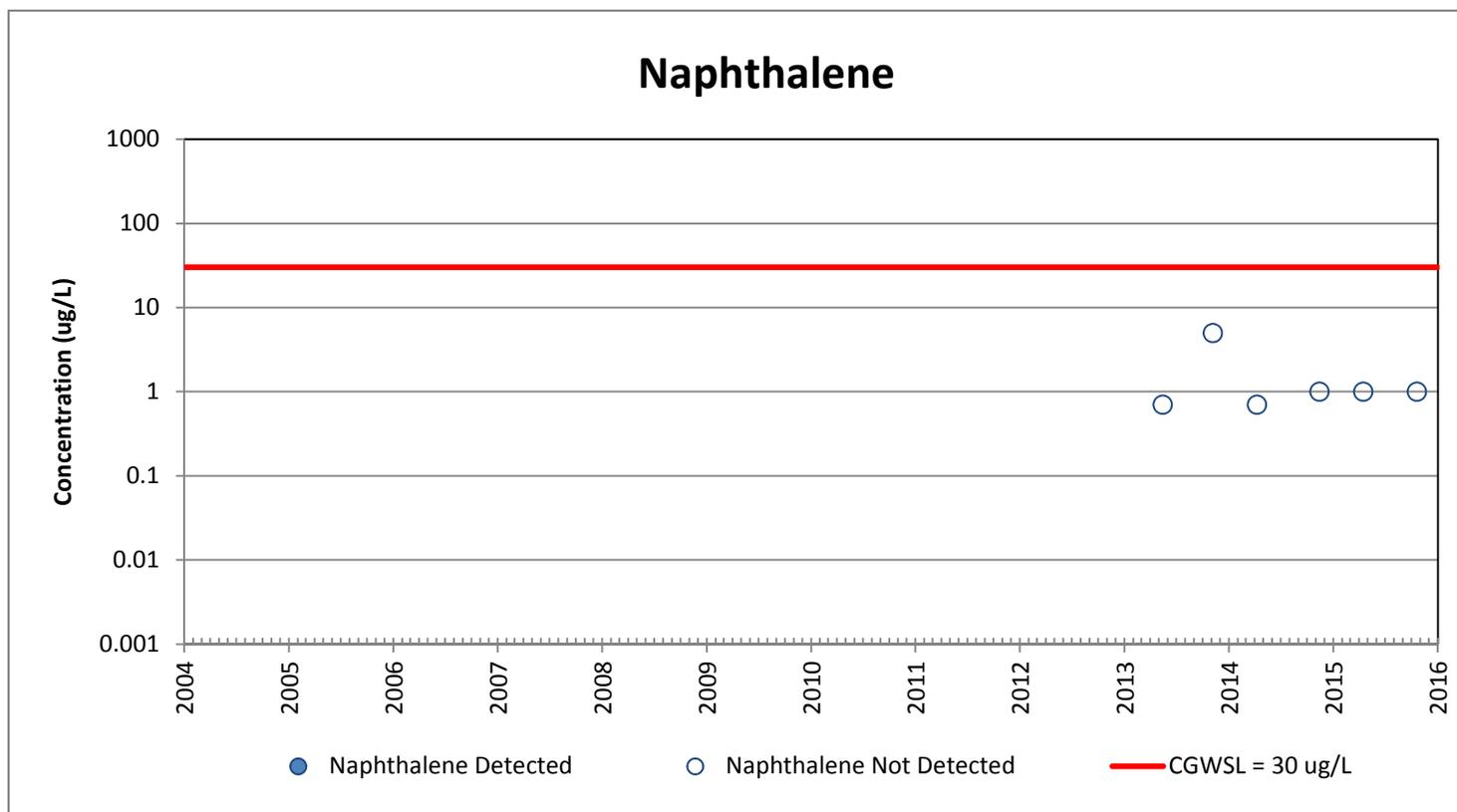
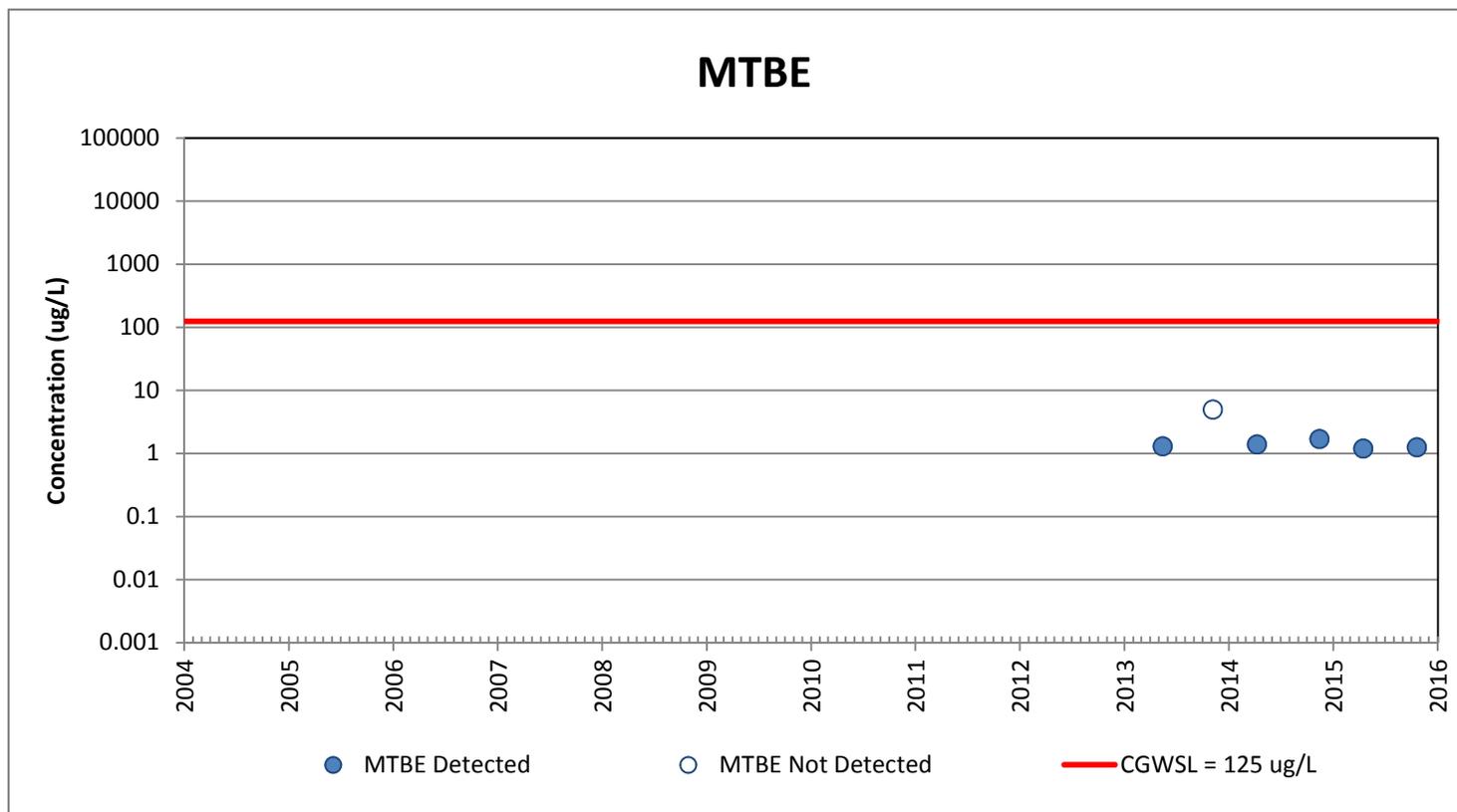
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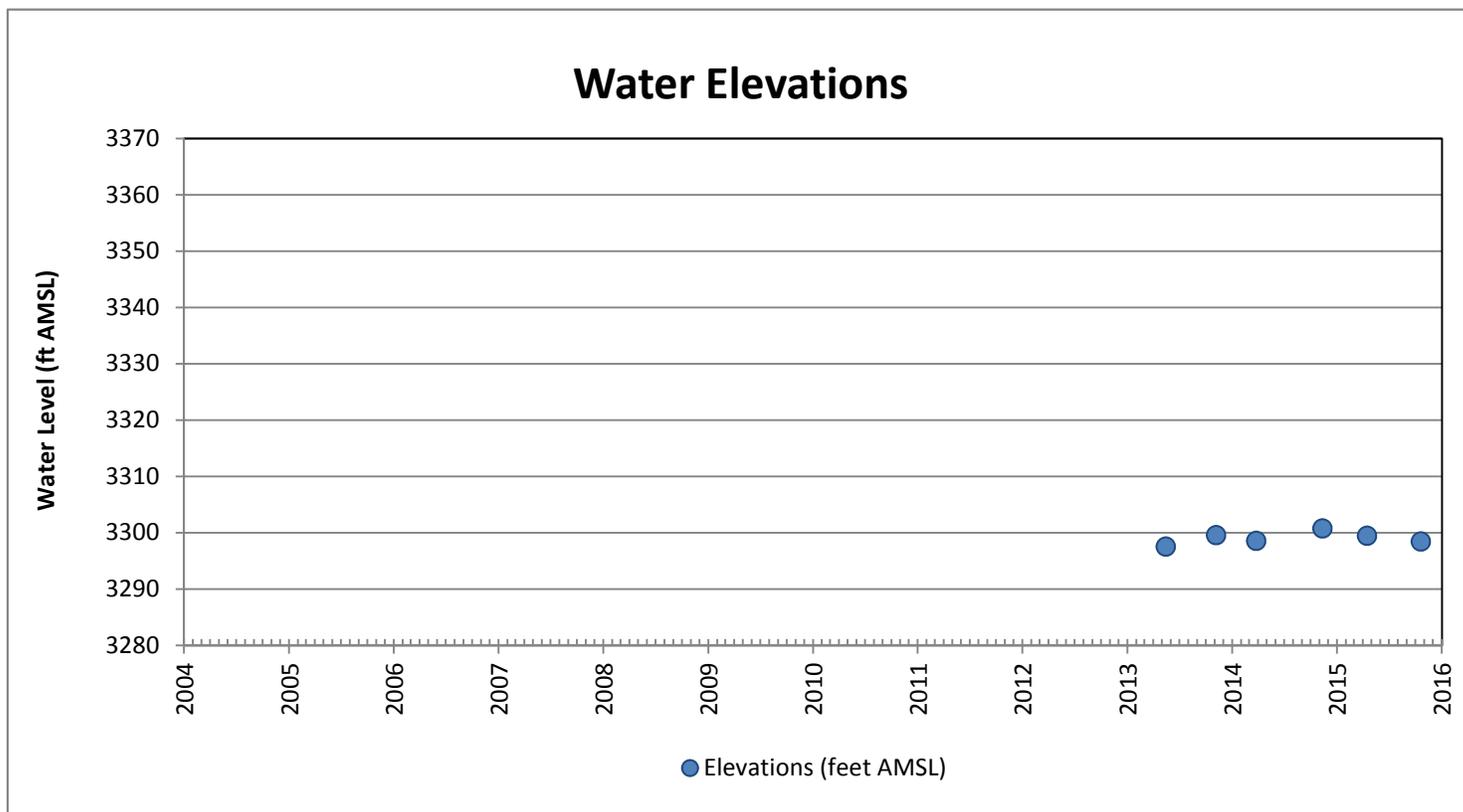
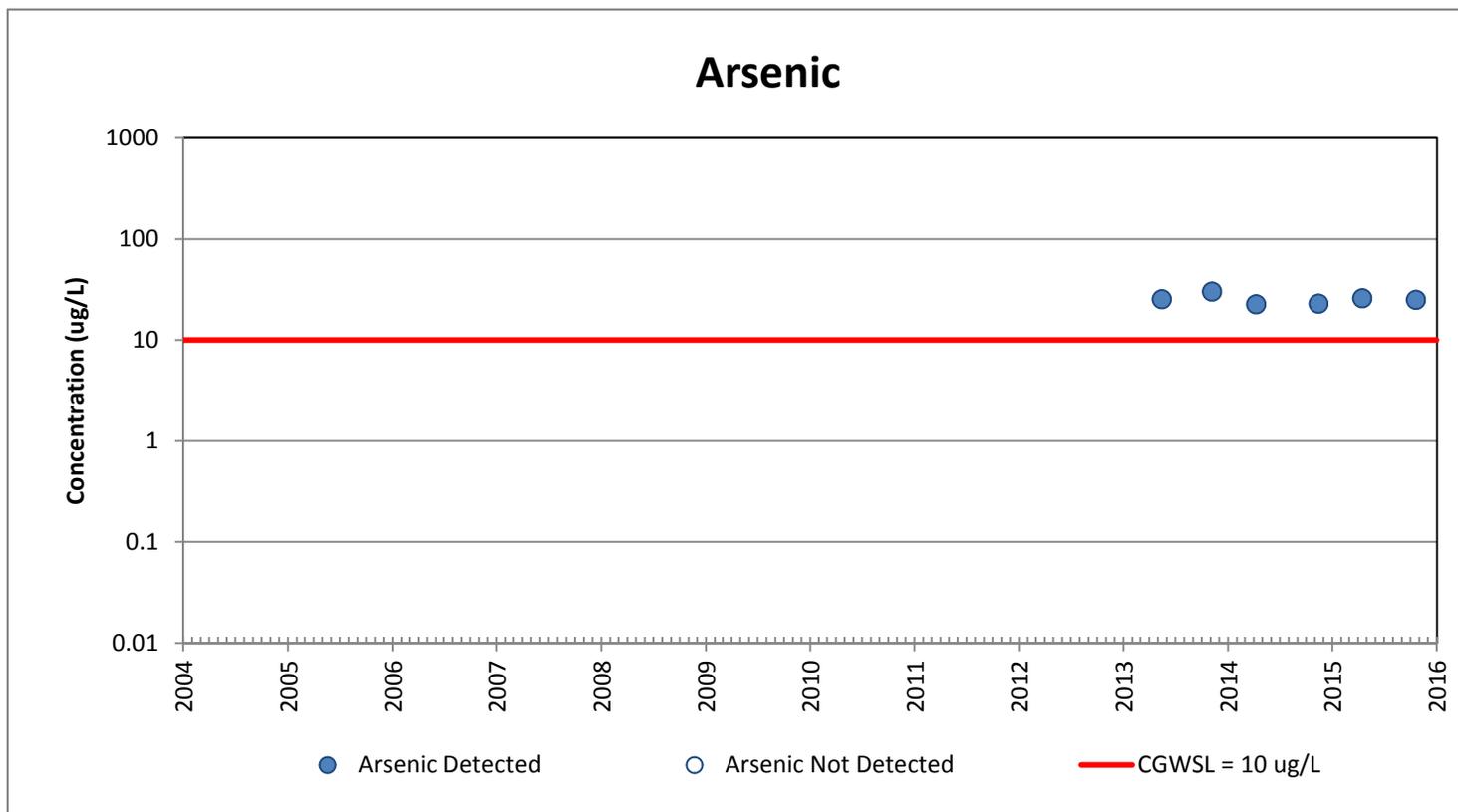
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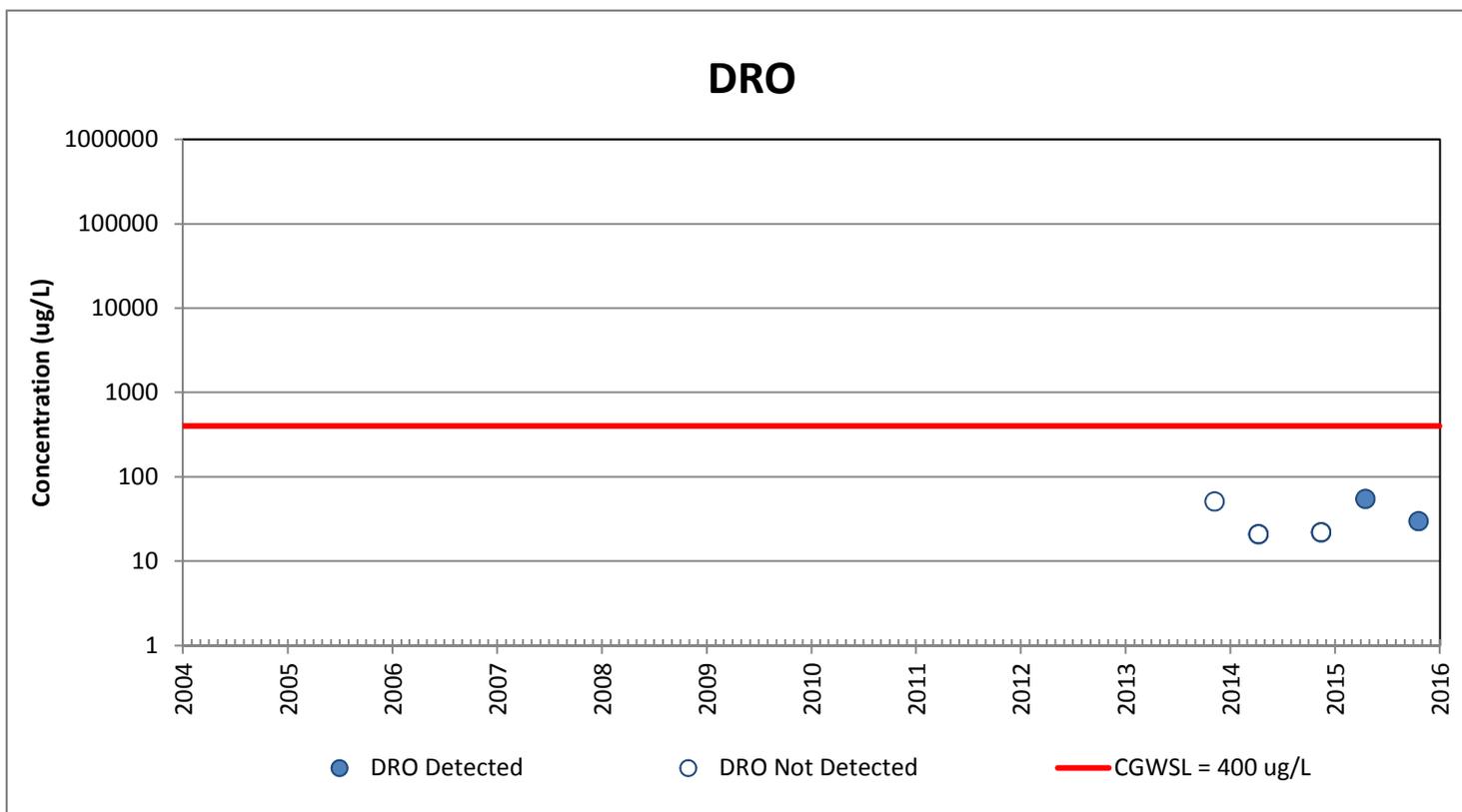
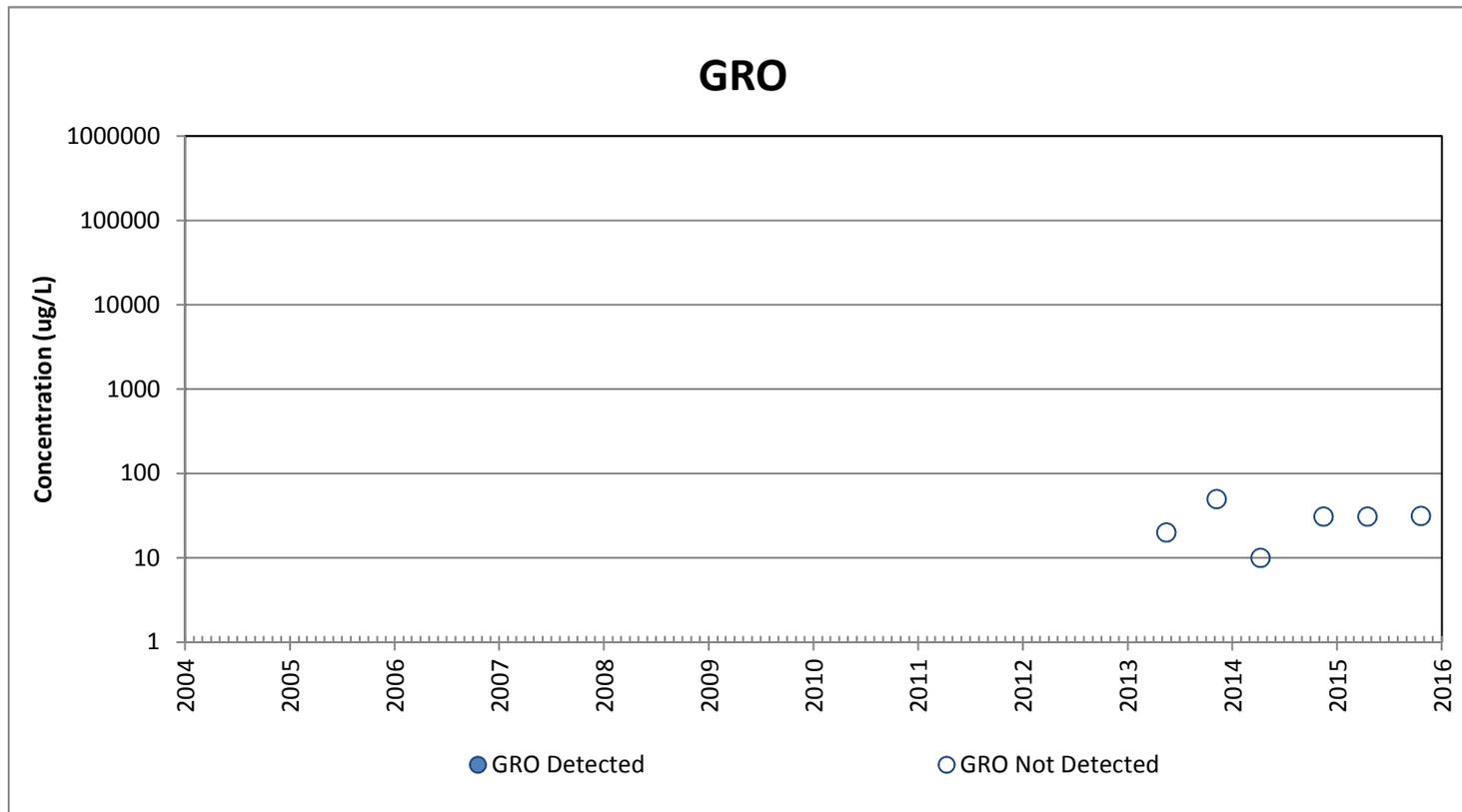
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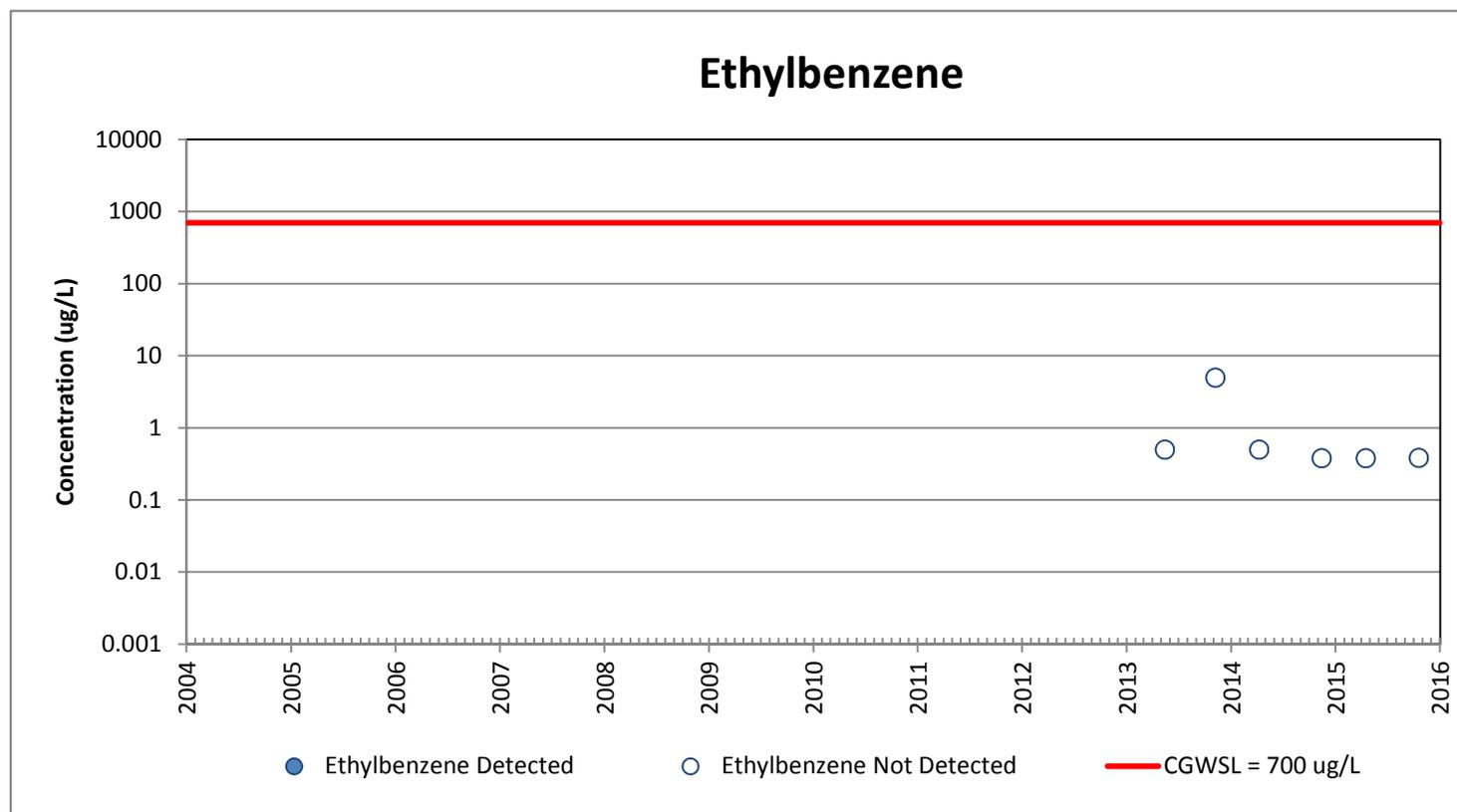
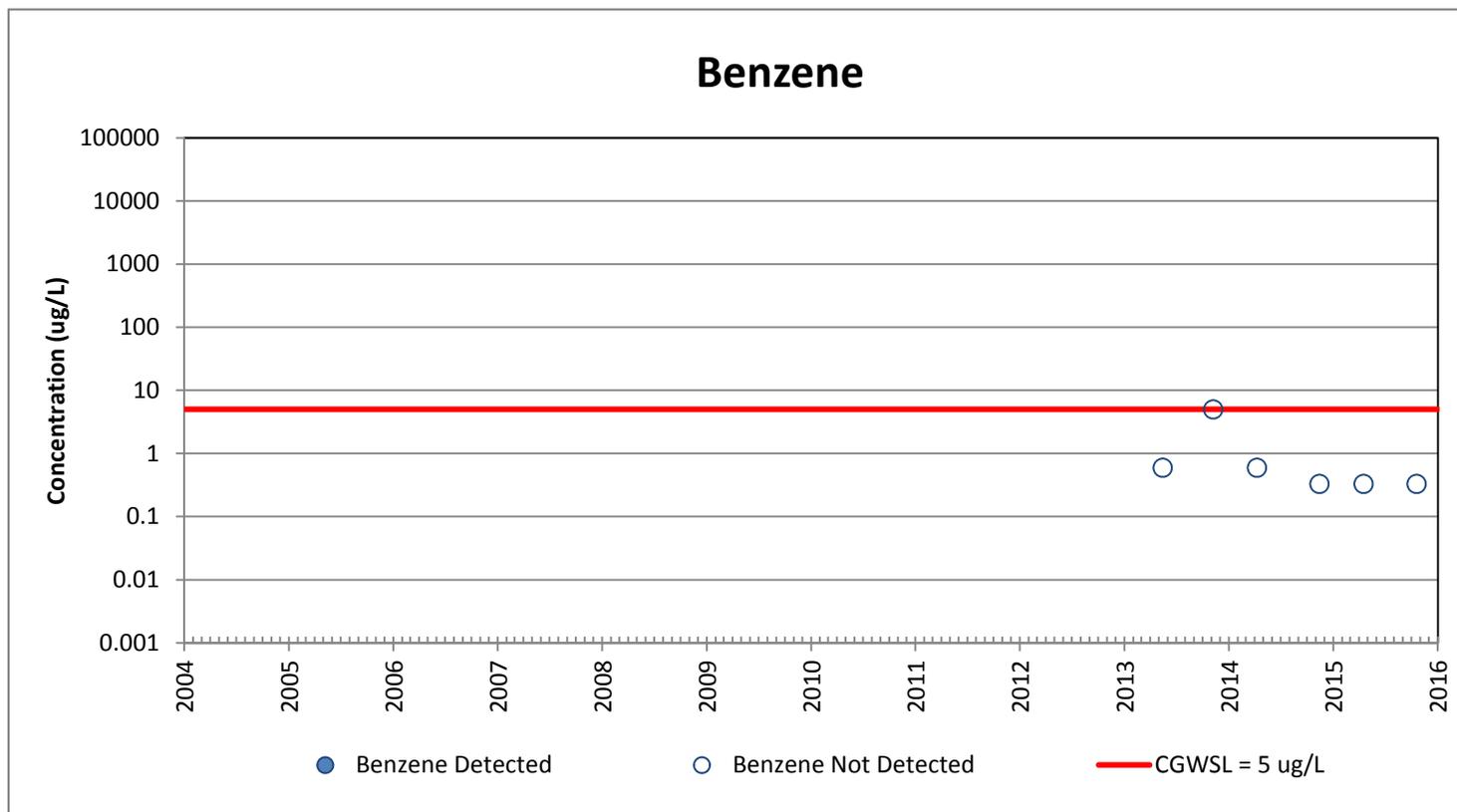
# MW-123



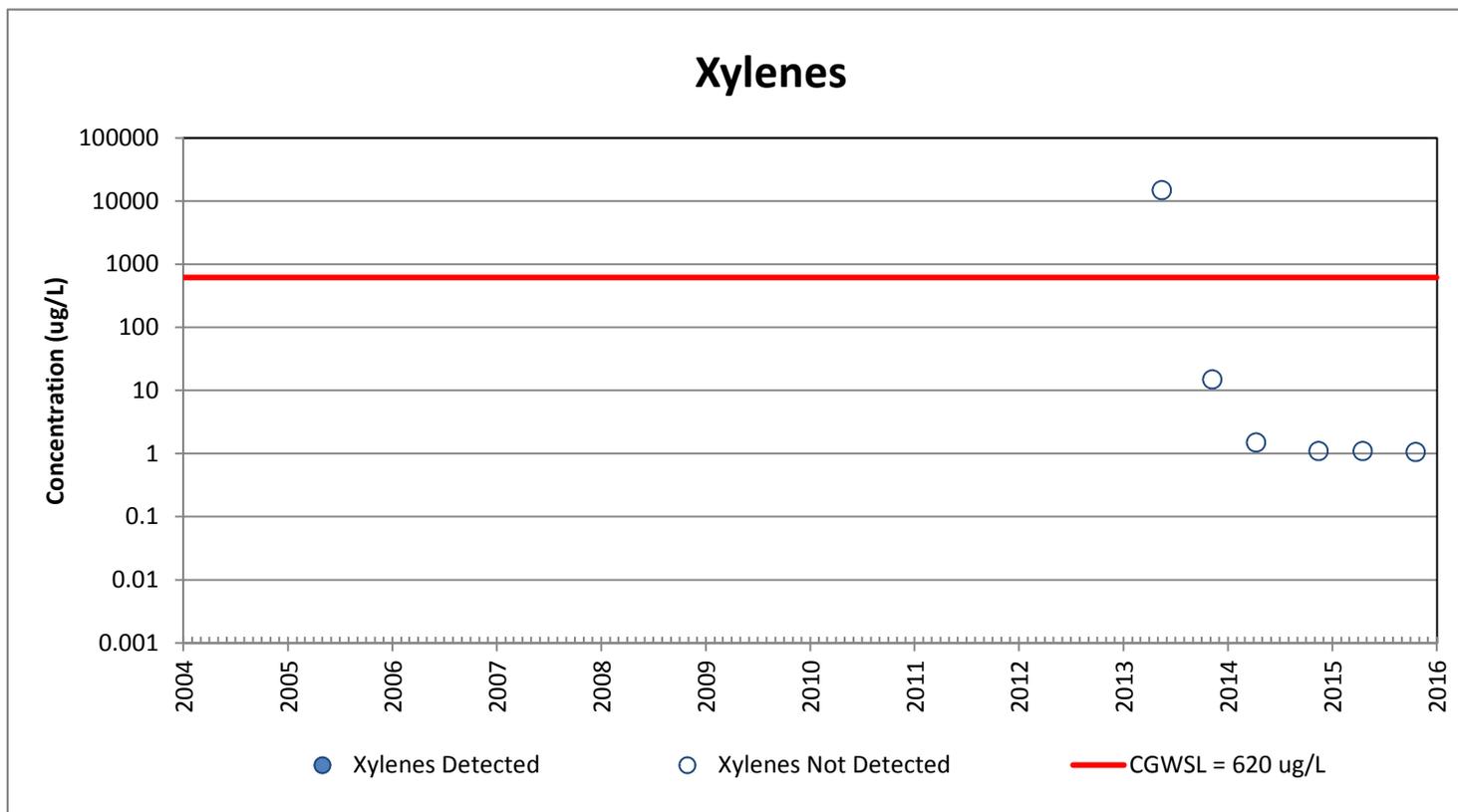
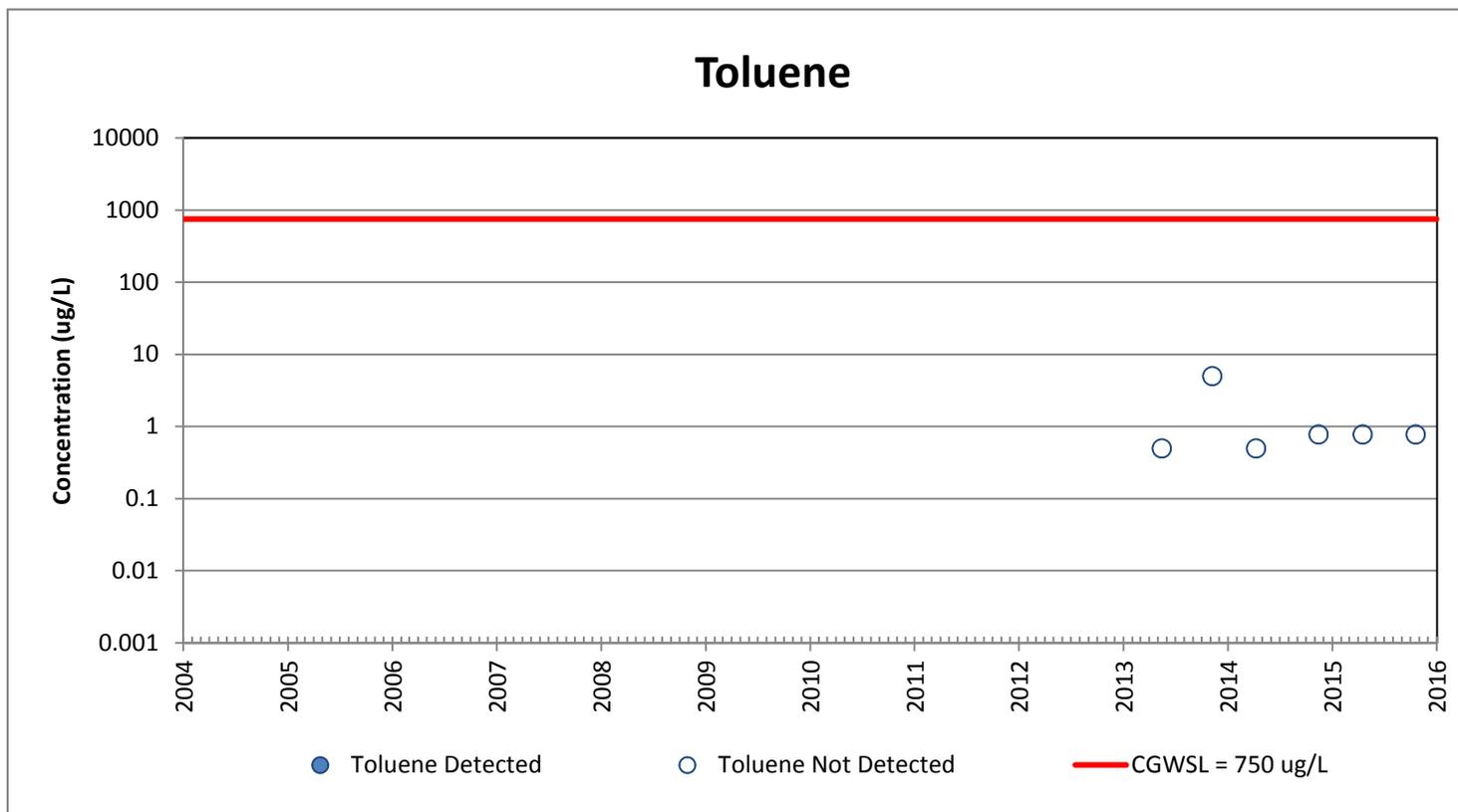
# MW-124



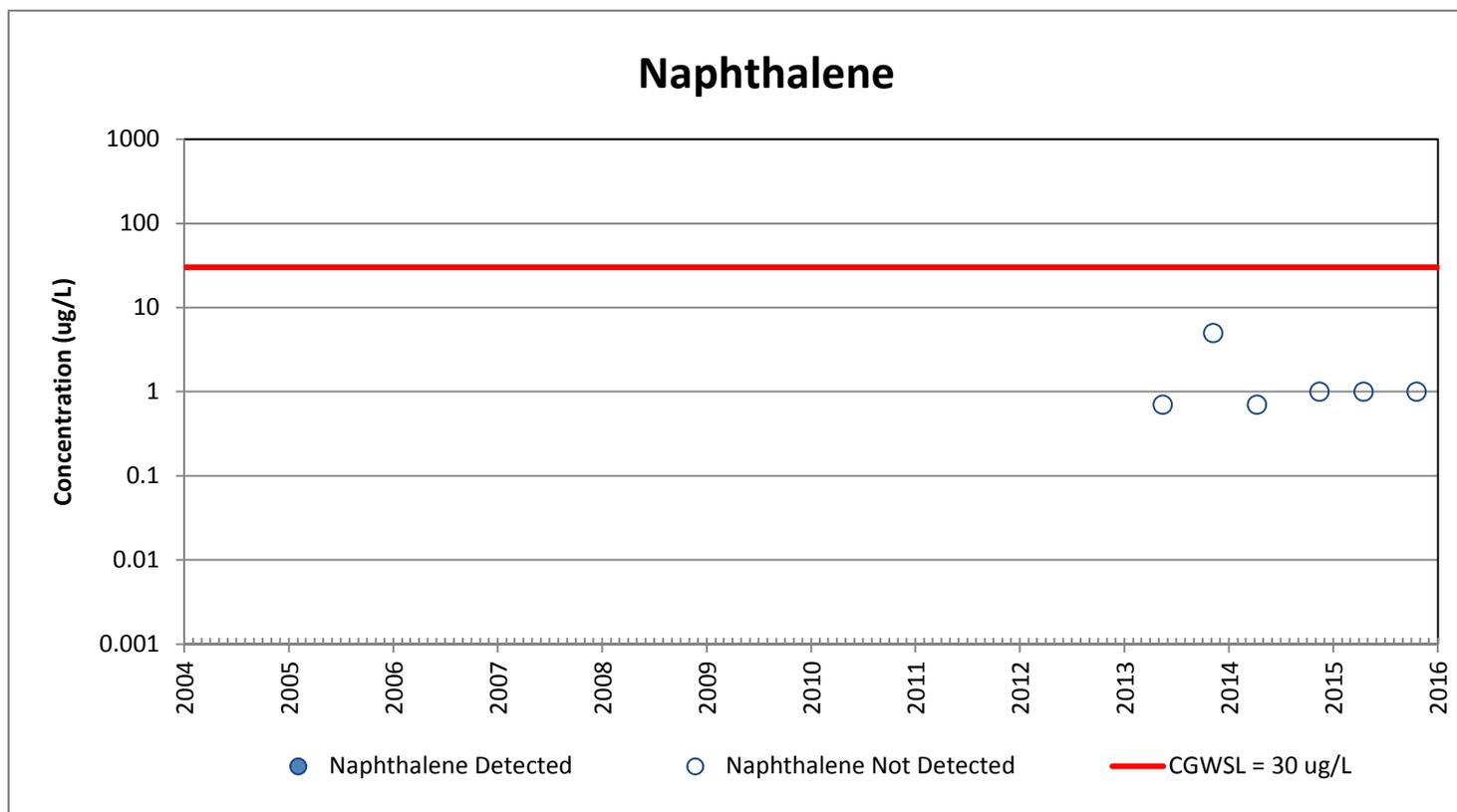
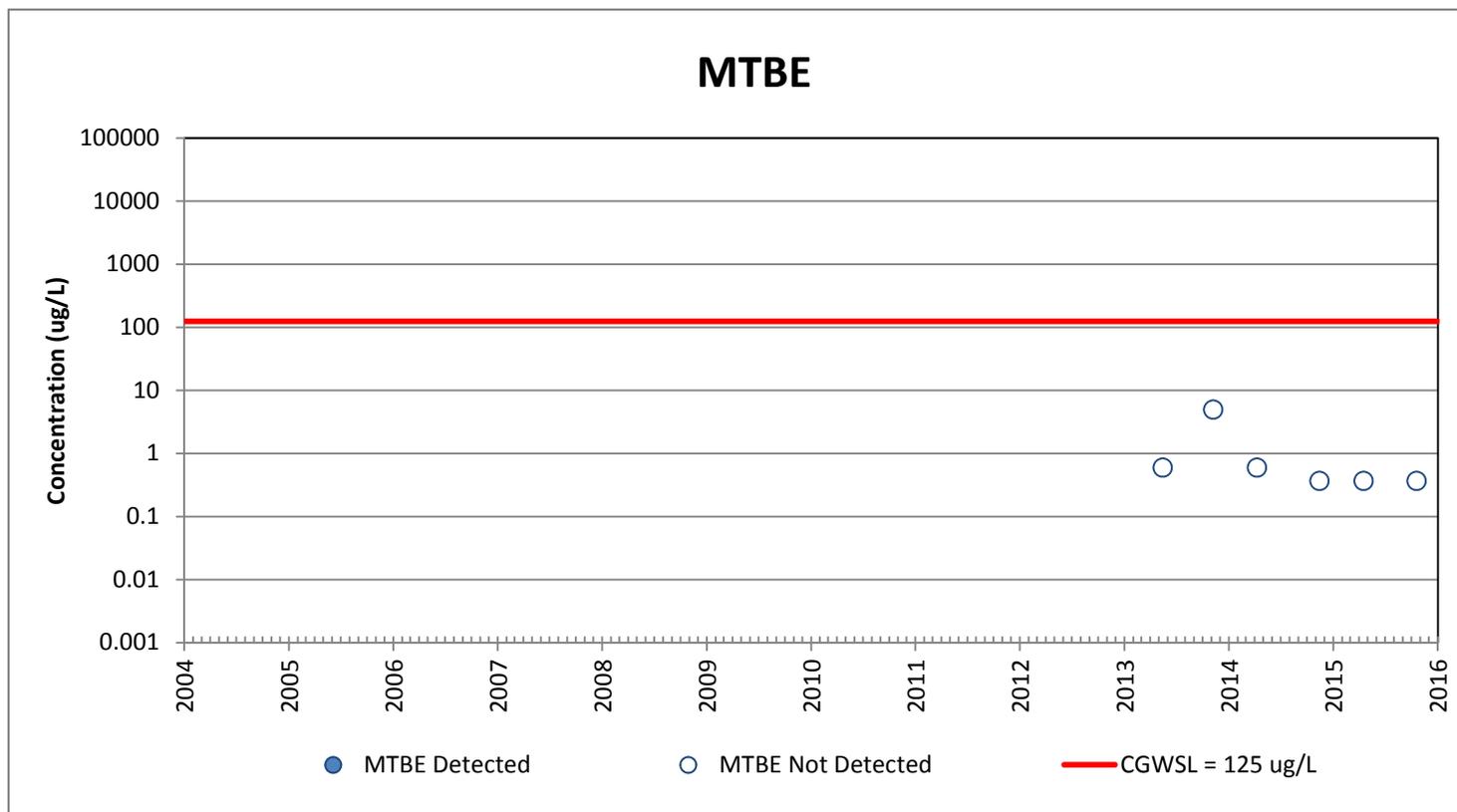
# MW-124



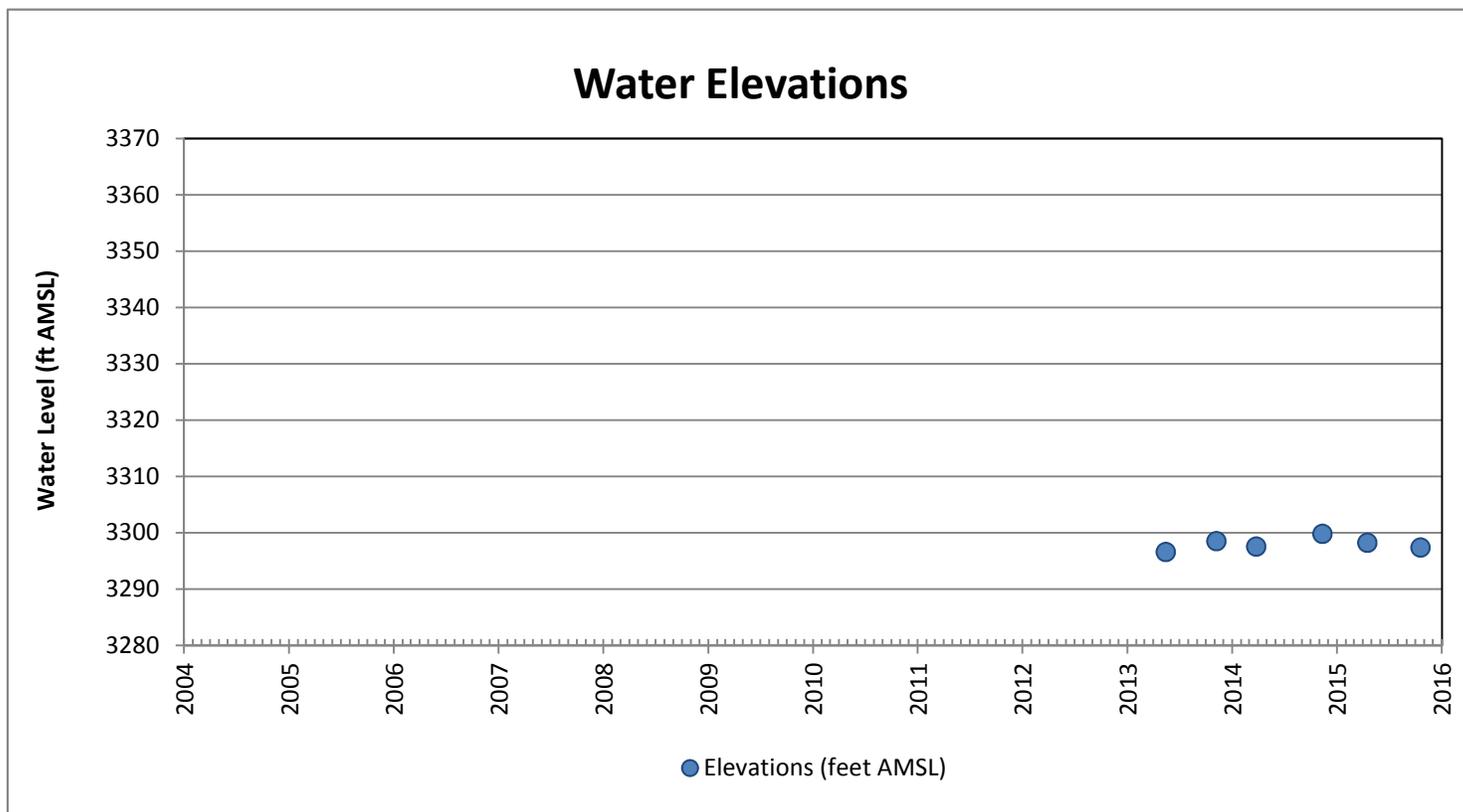
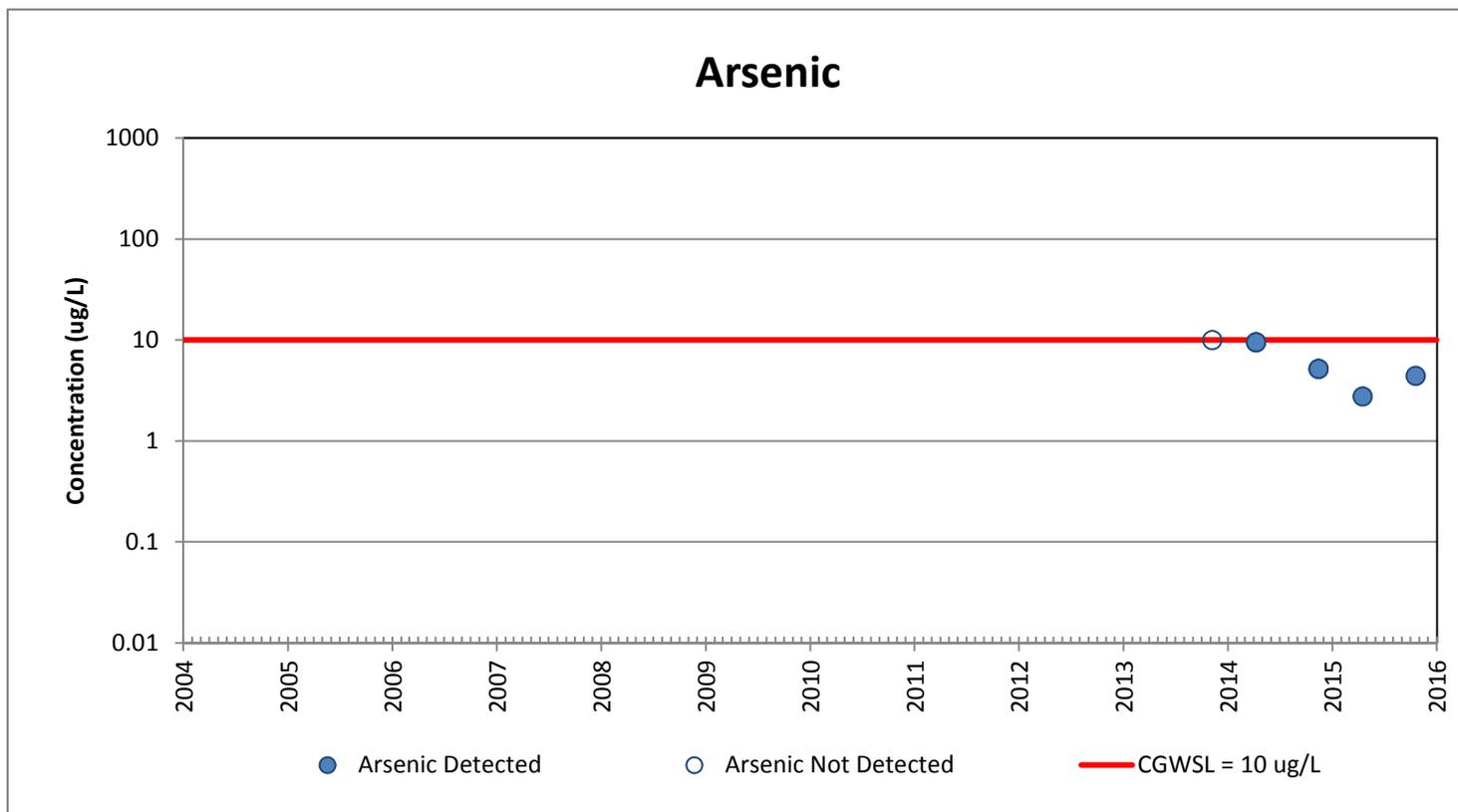
# MW-124



# MW-124

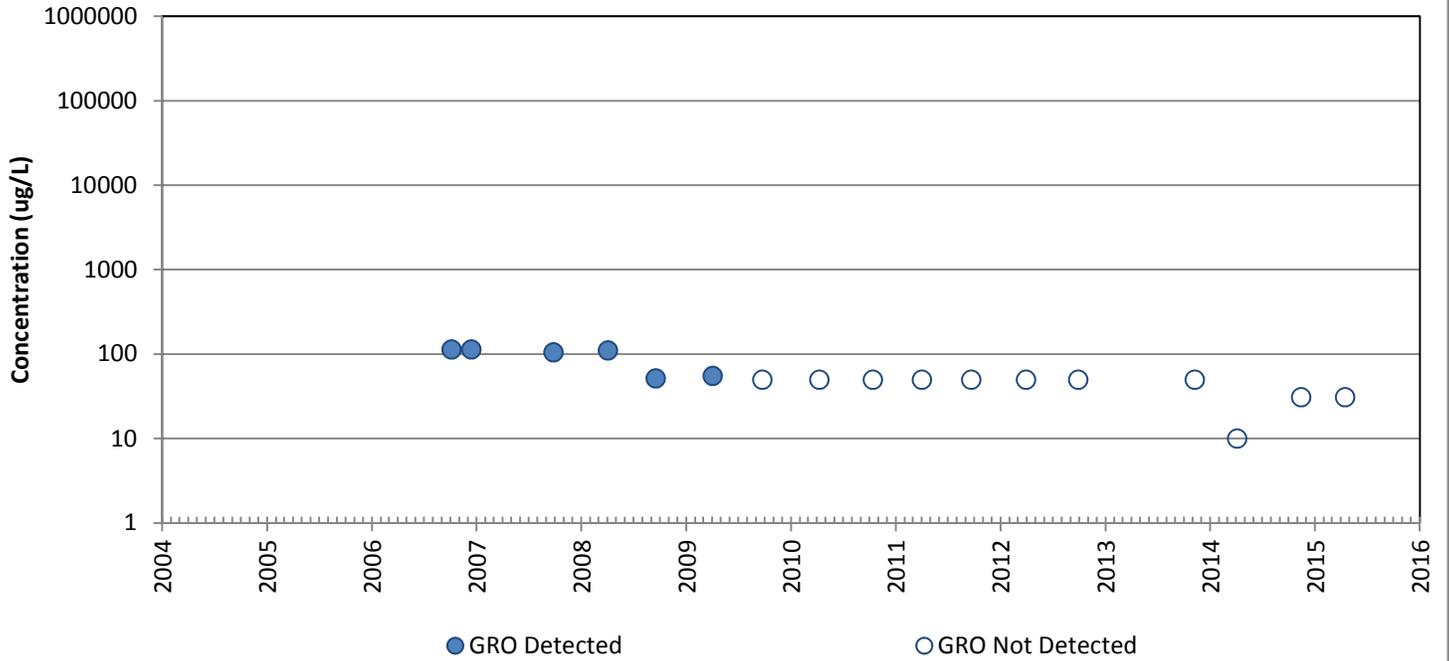


# MW-124

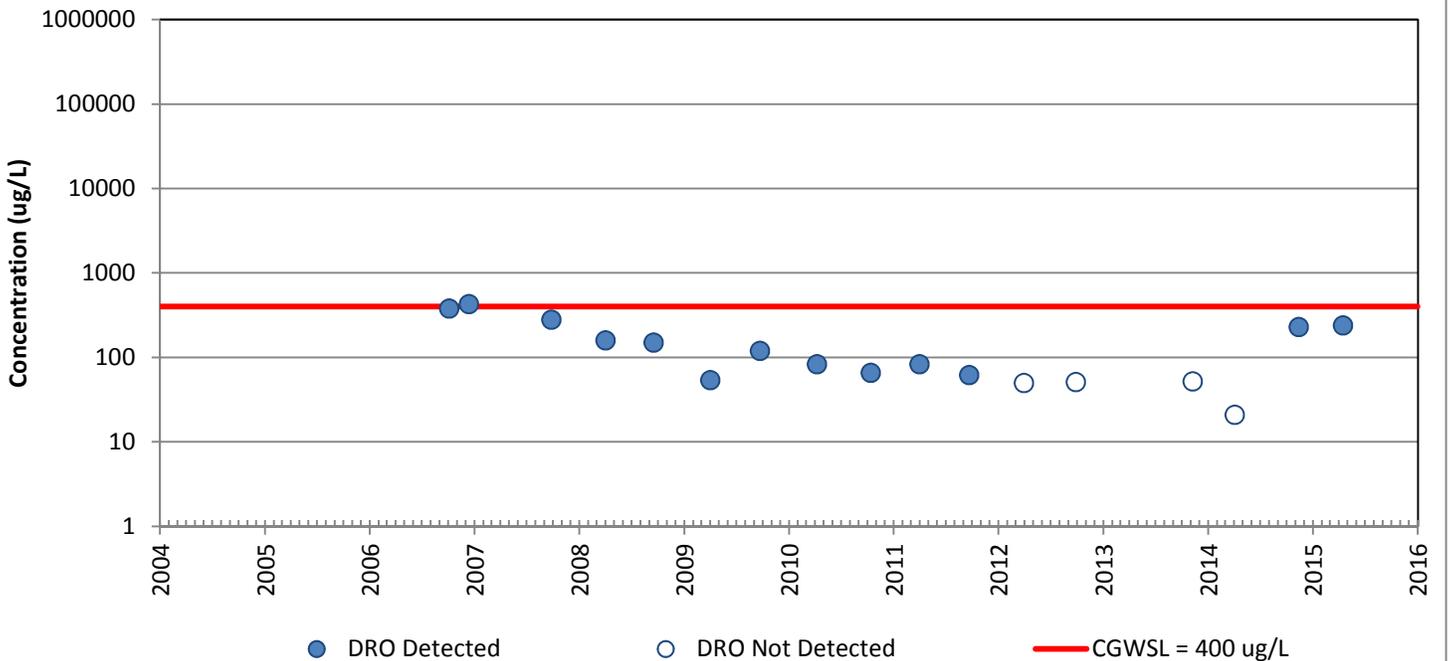


# OCD-1 & OCD-1R

## GRO

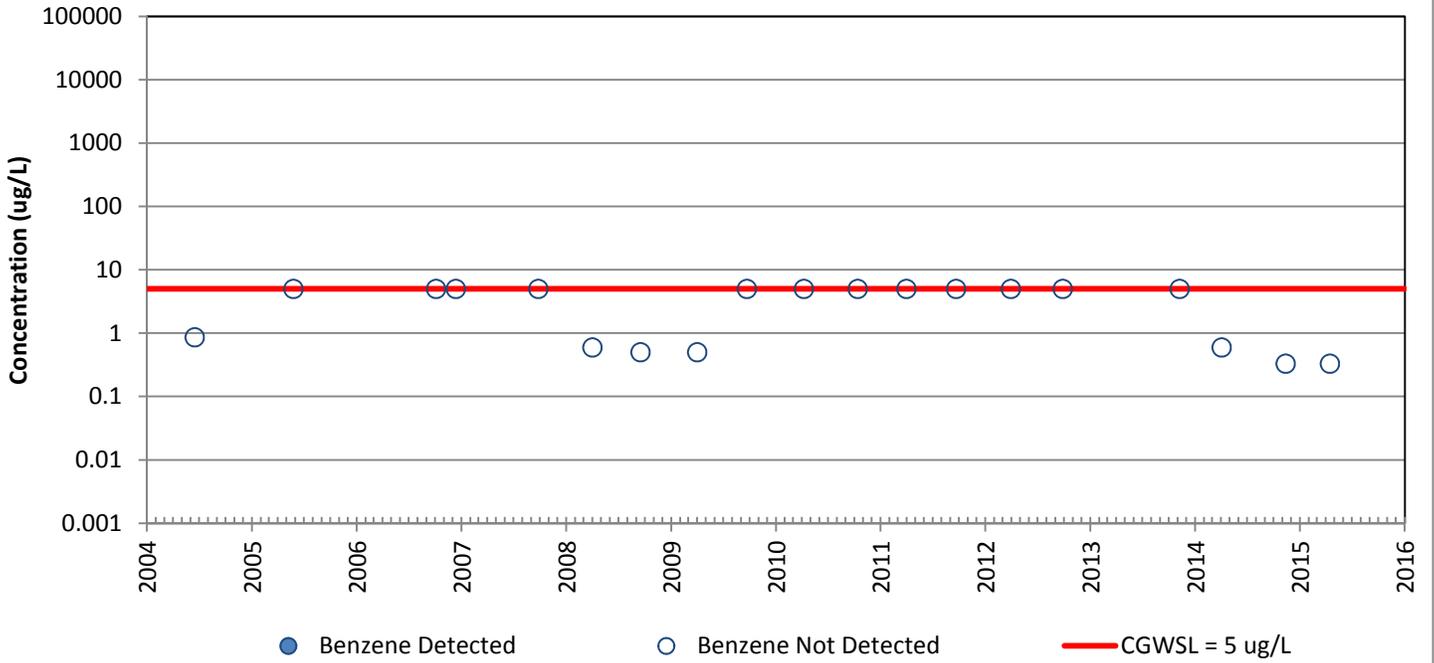


## DRO

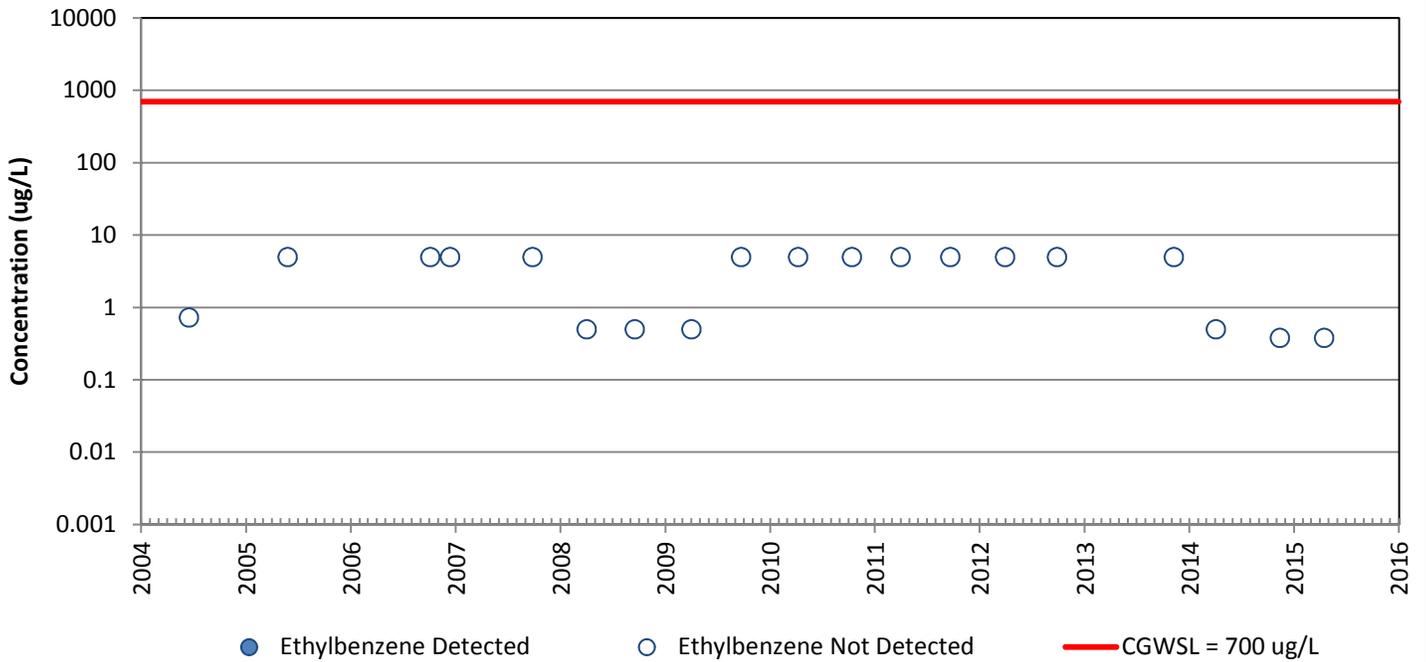


# OCD-1 & OCD-1R

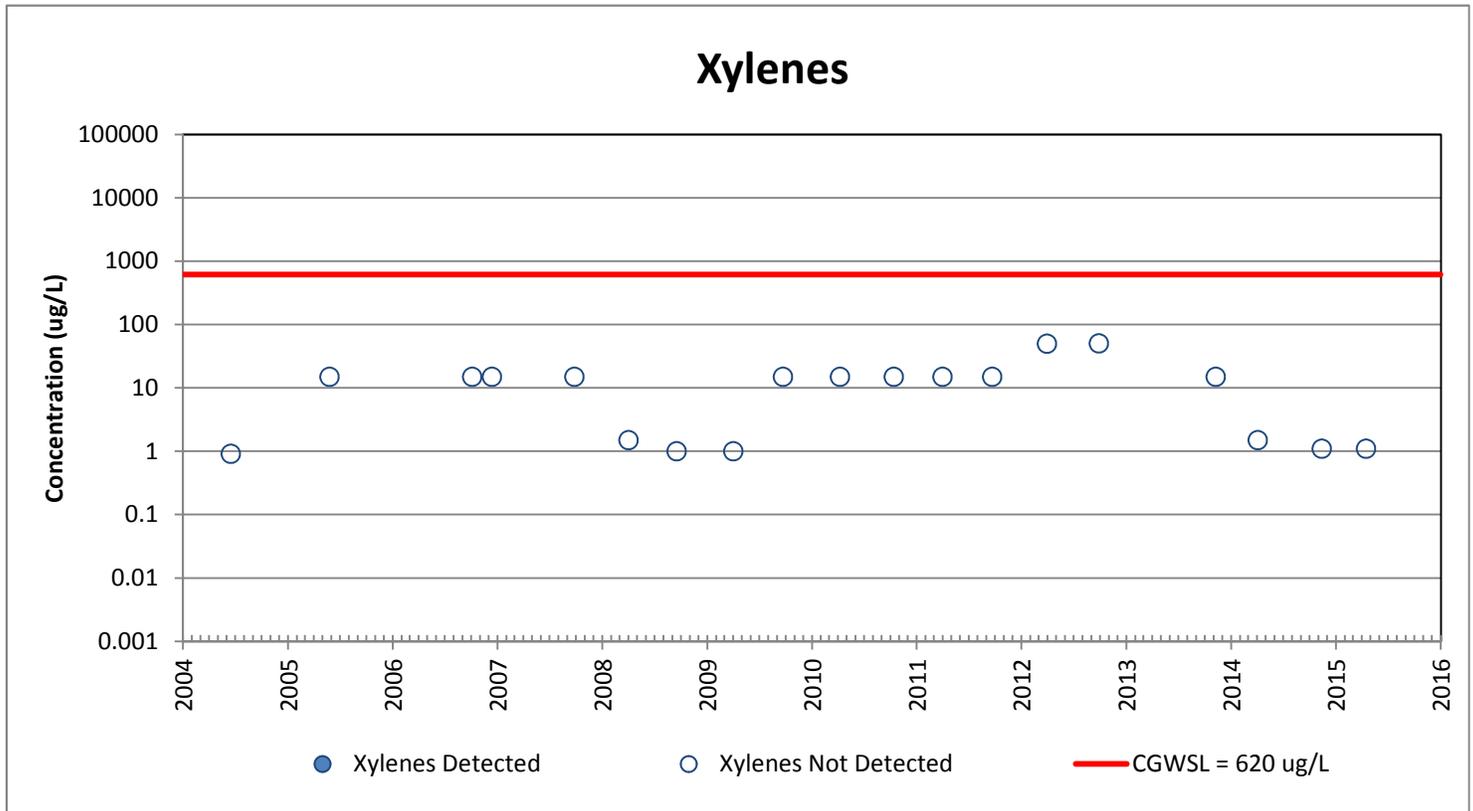
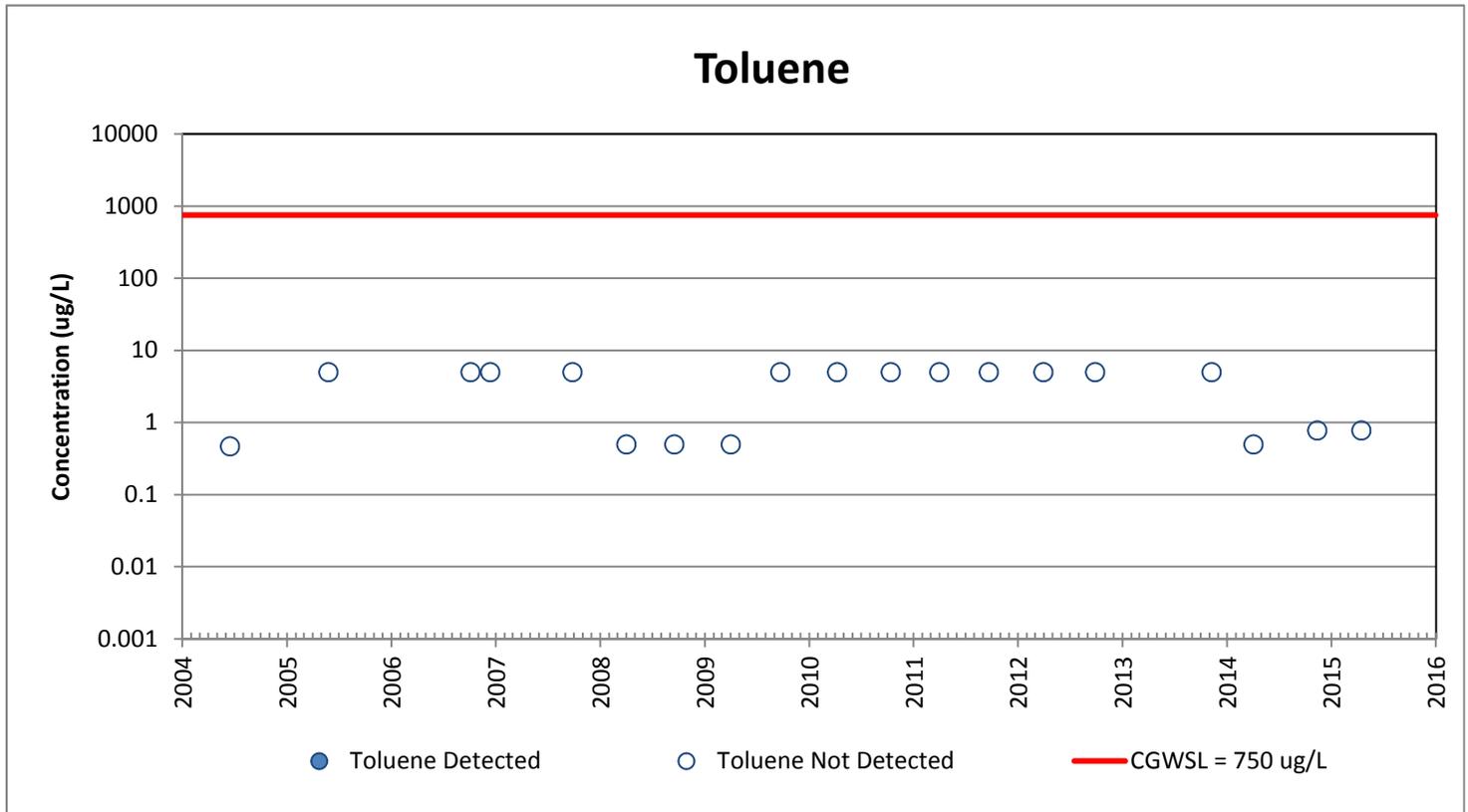
## Benzene



## Ethylbenzene

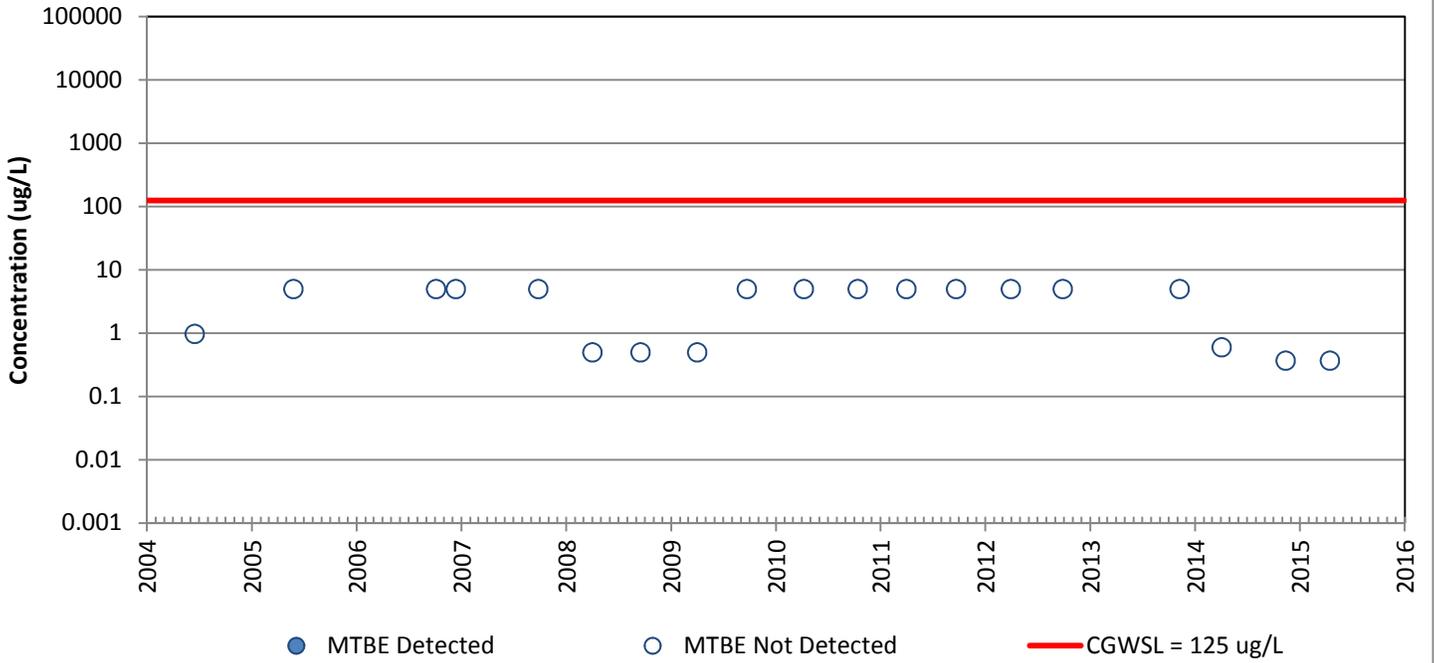


# OCD-1 & OCD-1R

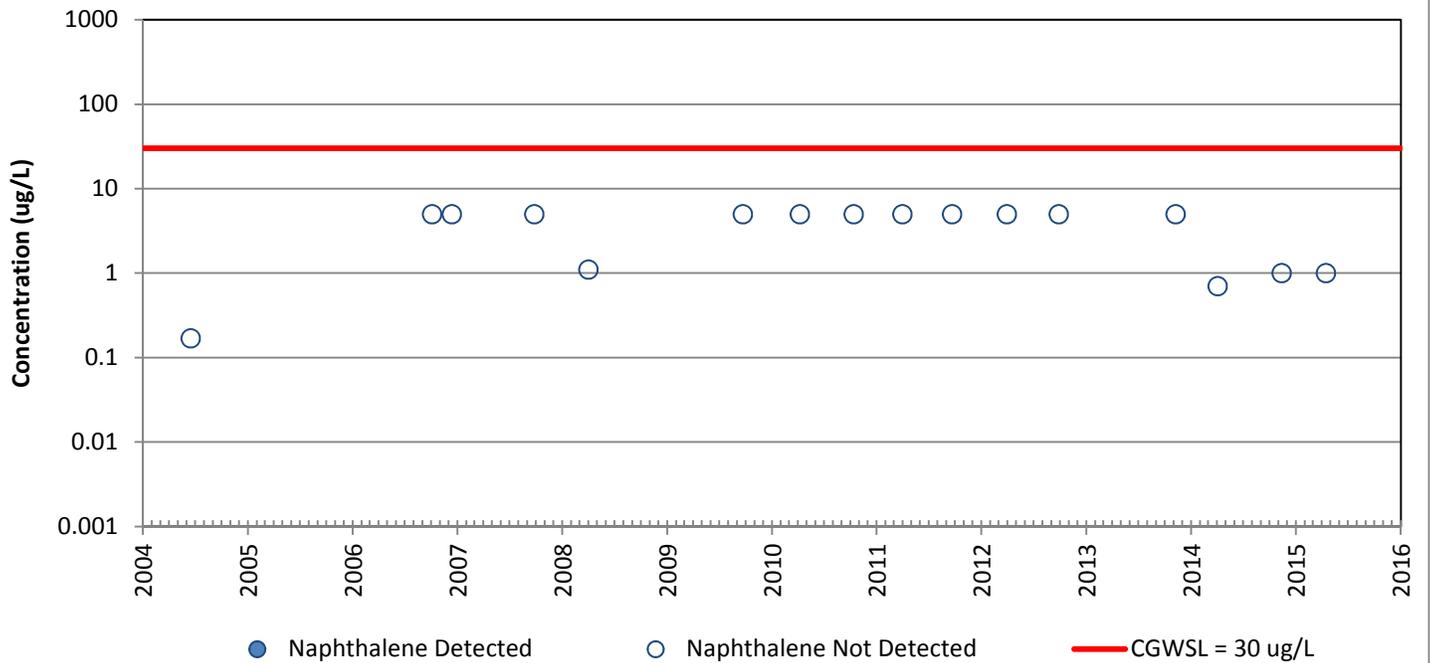


# OCD-1 & OCD-1R

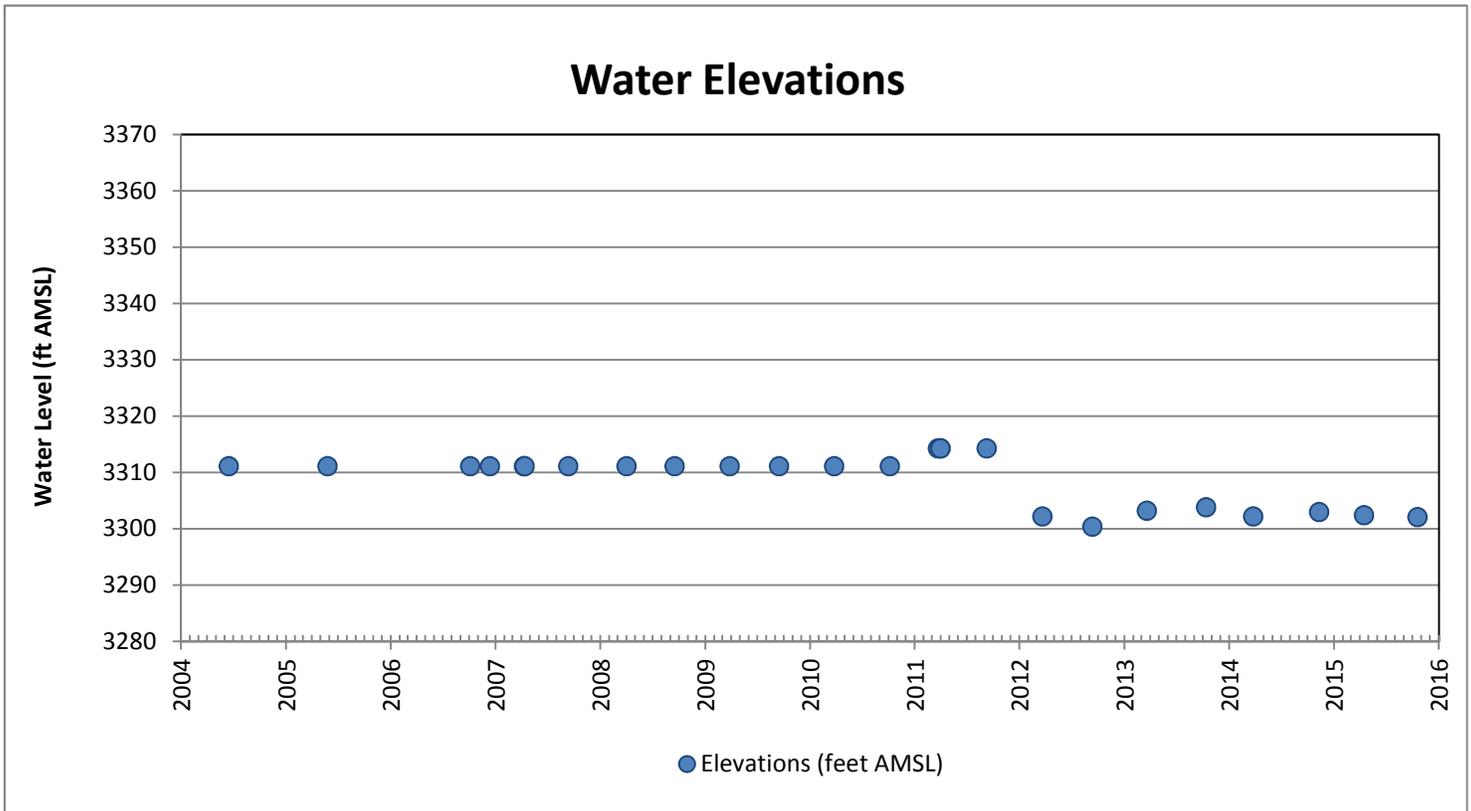
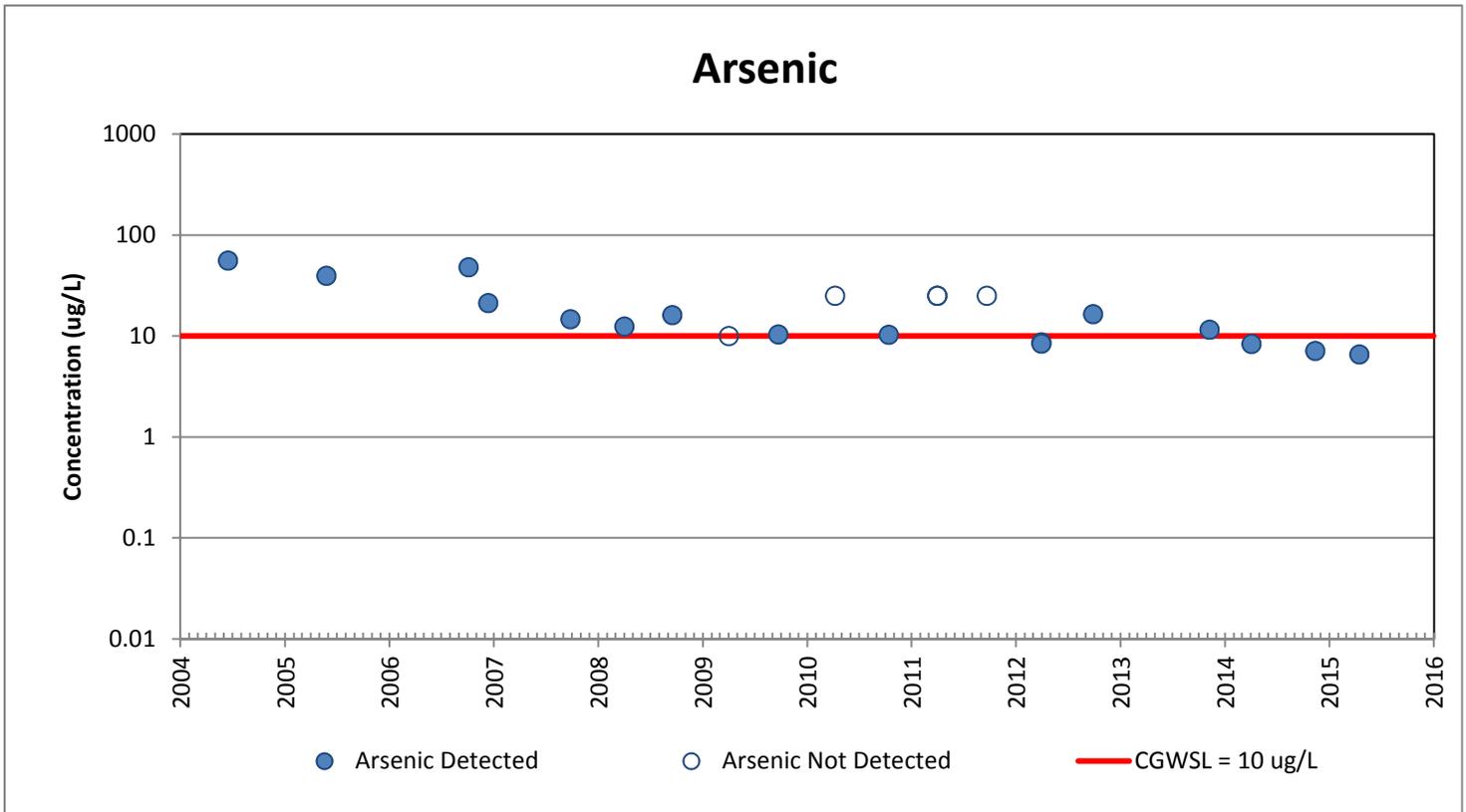
## MTBE



## Naphthalene

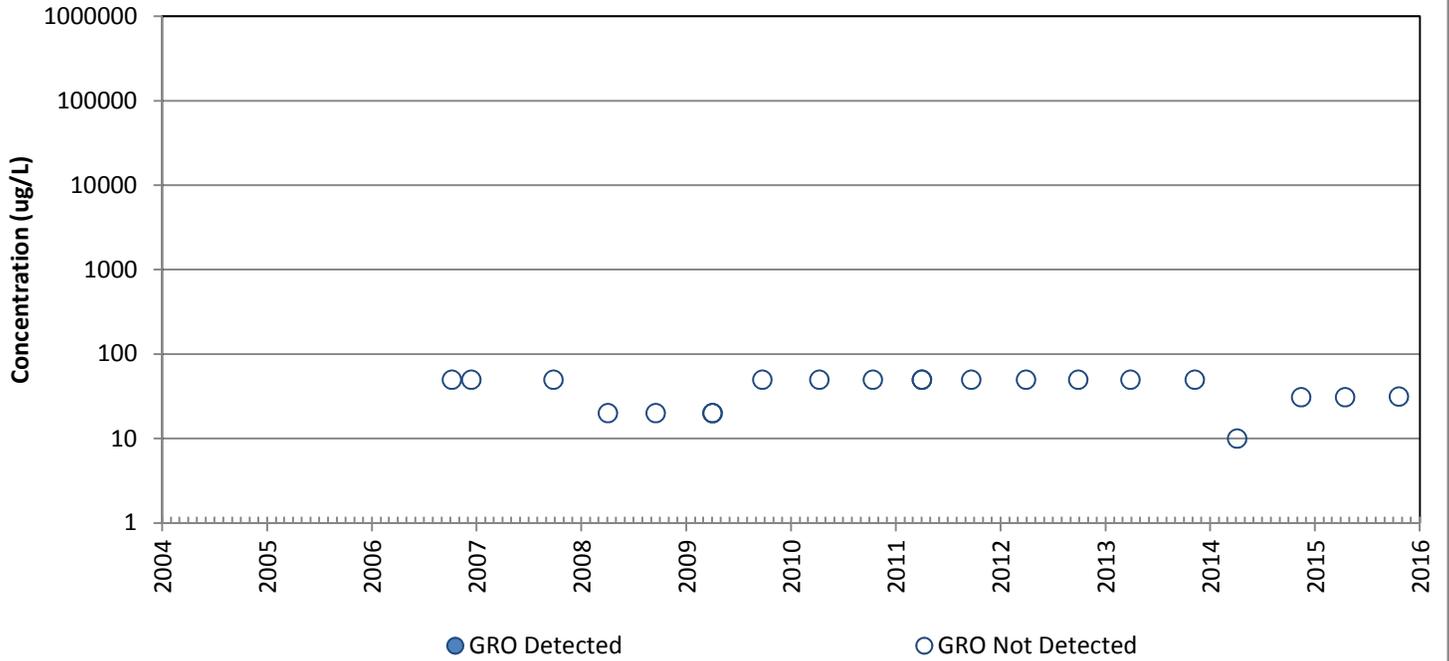


# OCD-1 & OCD-1R

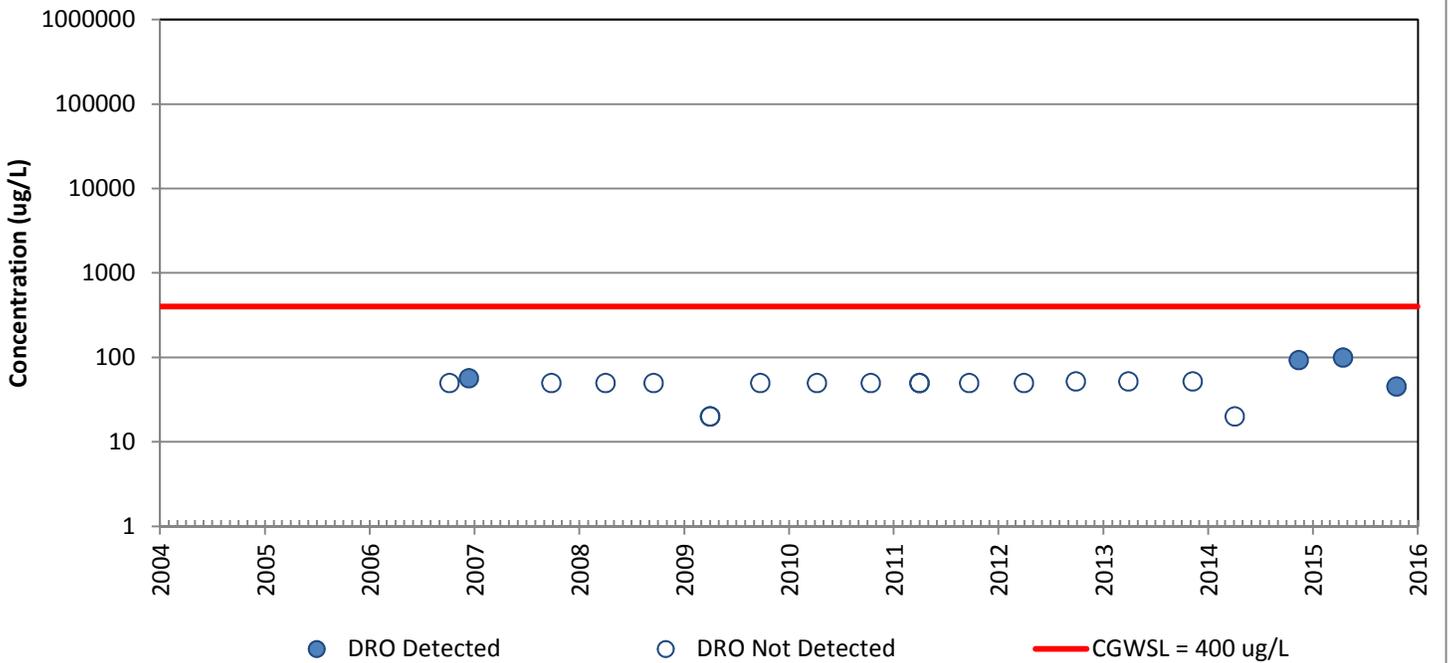


# OCD-2A

## GRO

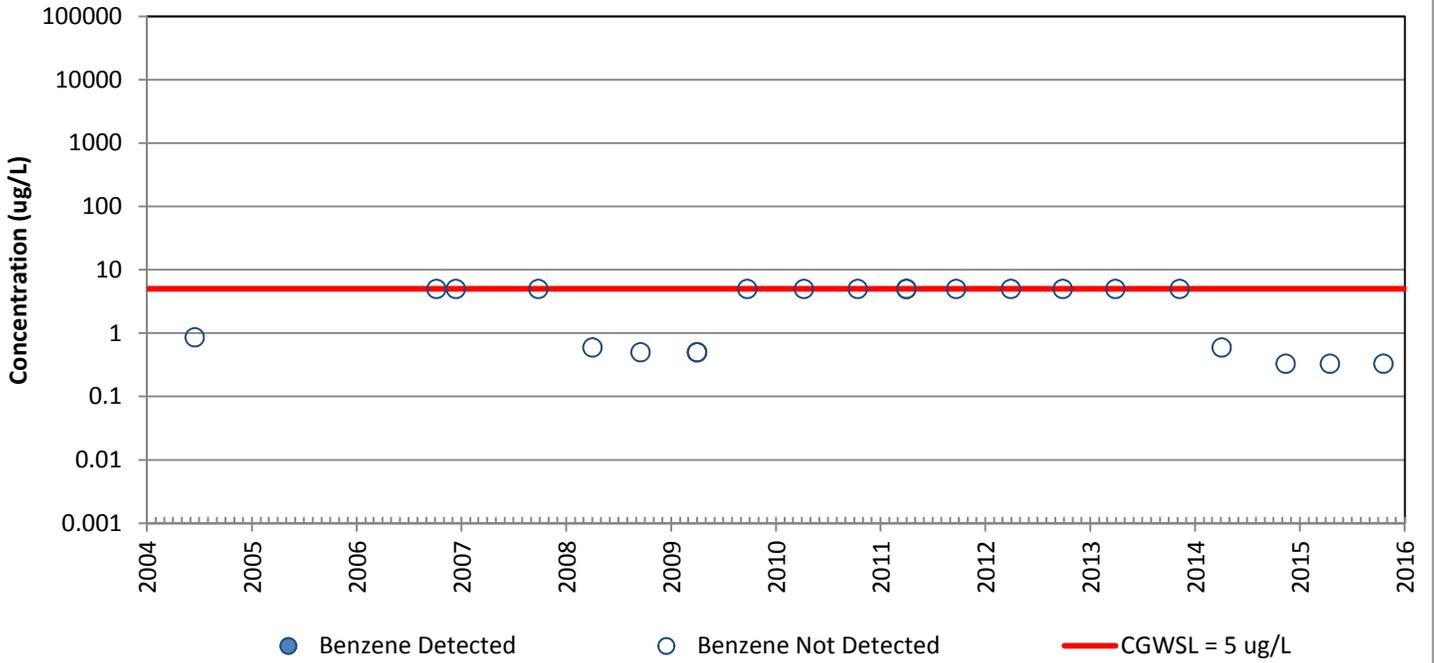


## DRO

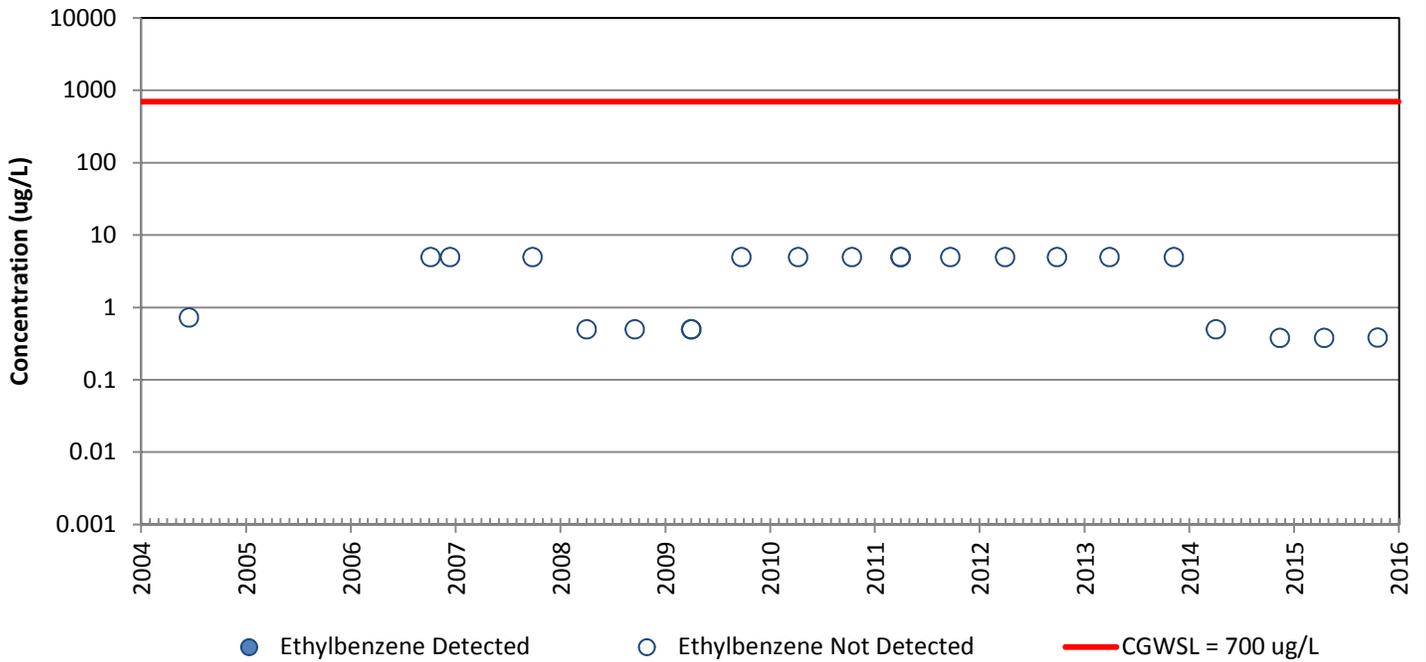


# OCD-2A

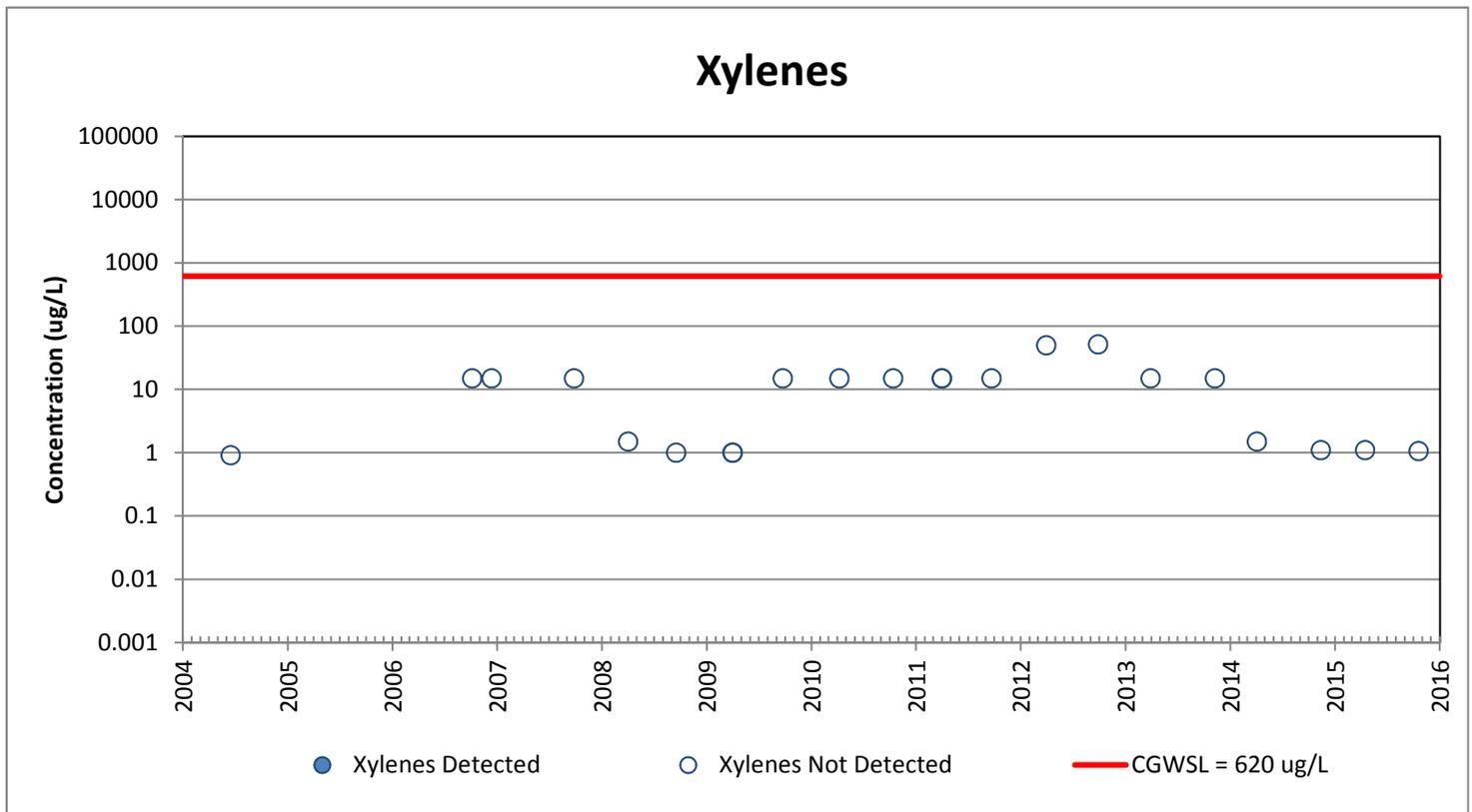
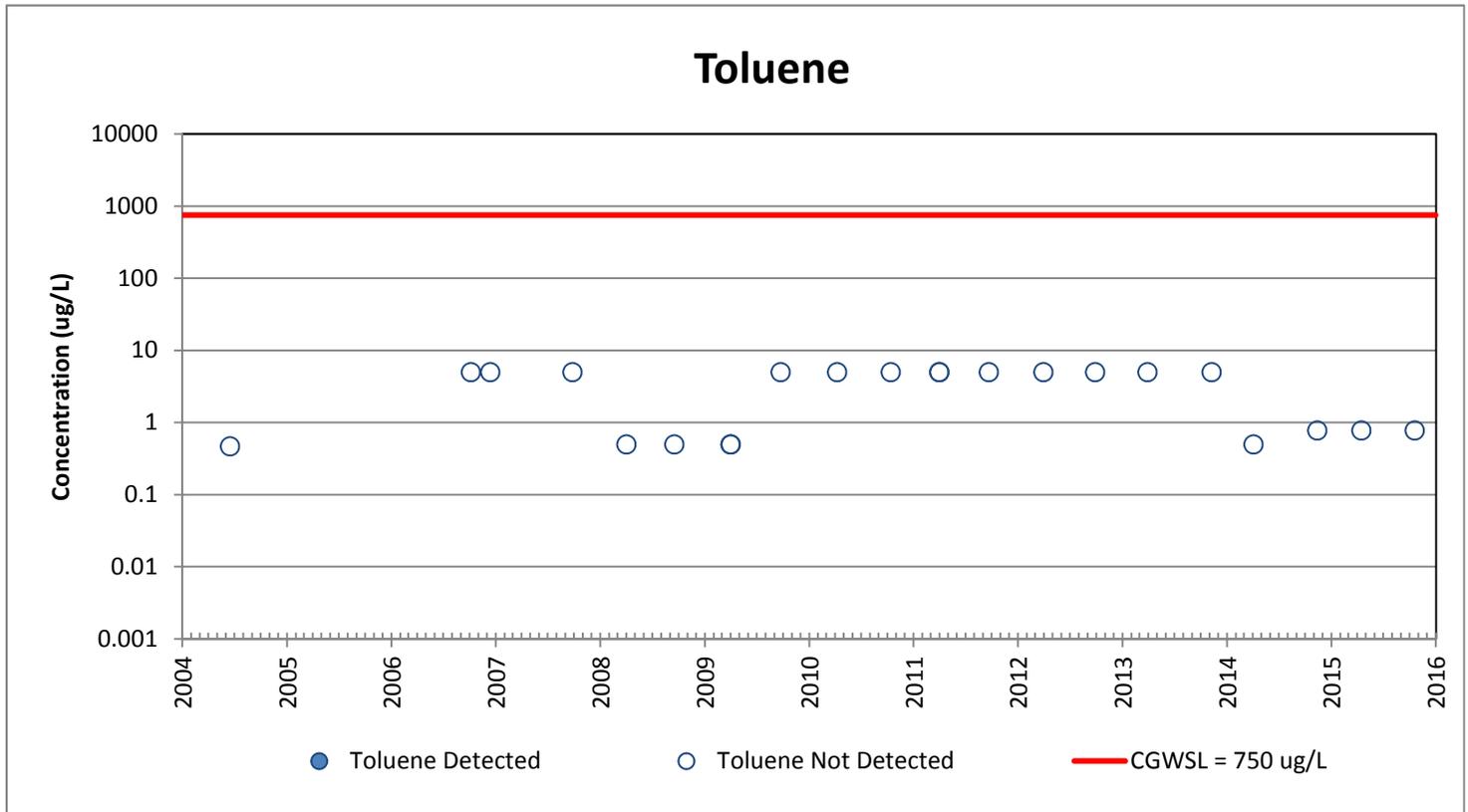
## Benzene



## Ethylbenzene

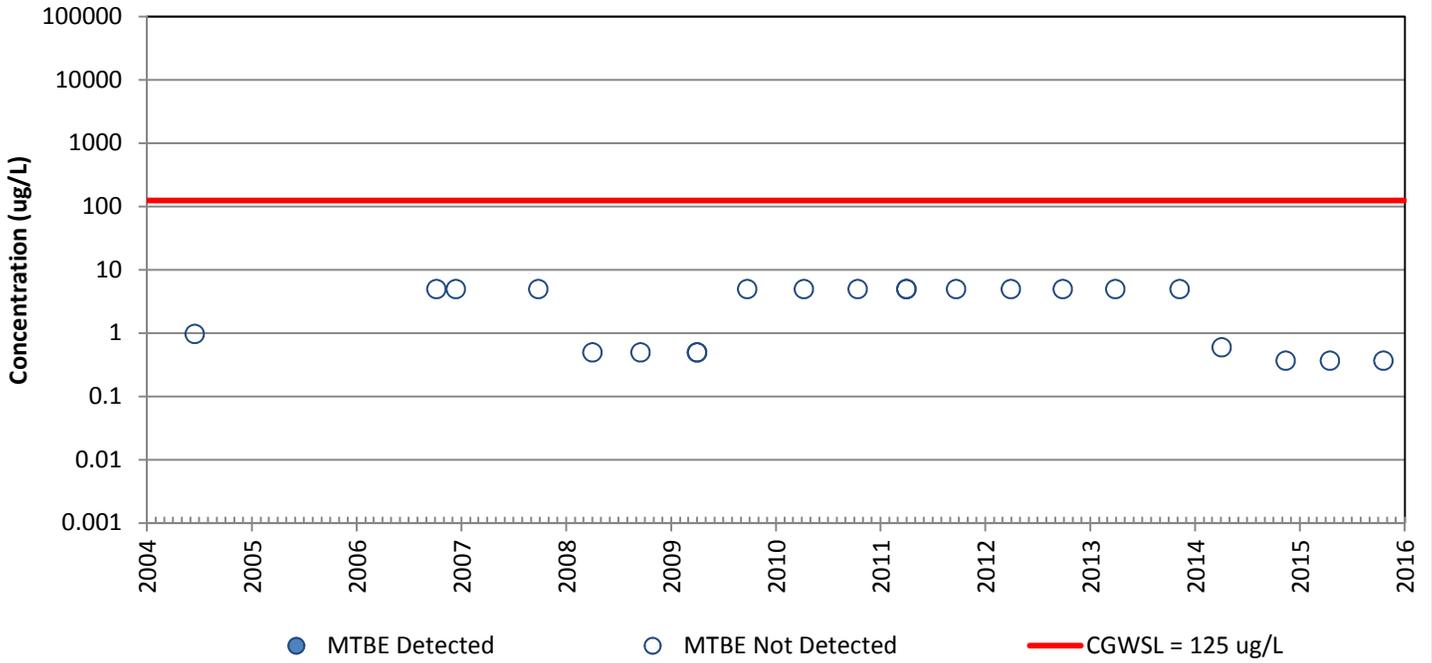


# OCD-2A

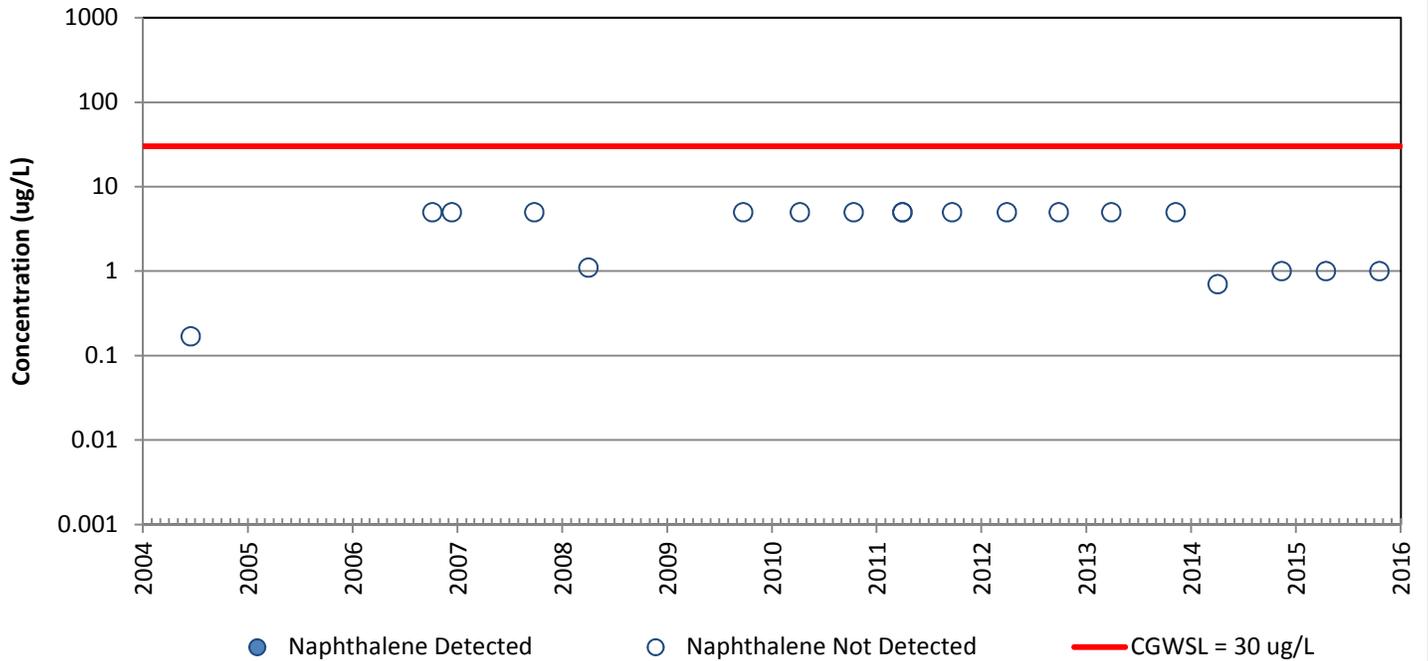


# OCD-2A

## MTBE

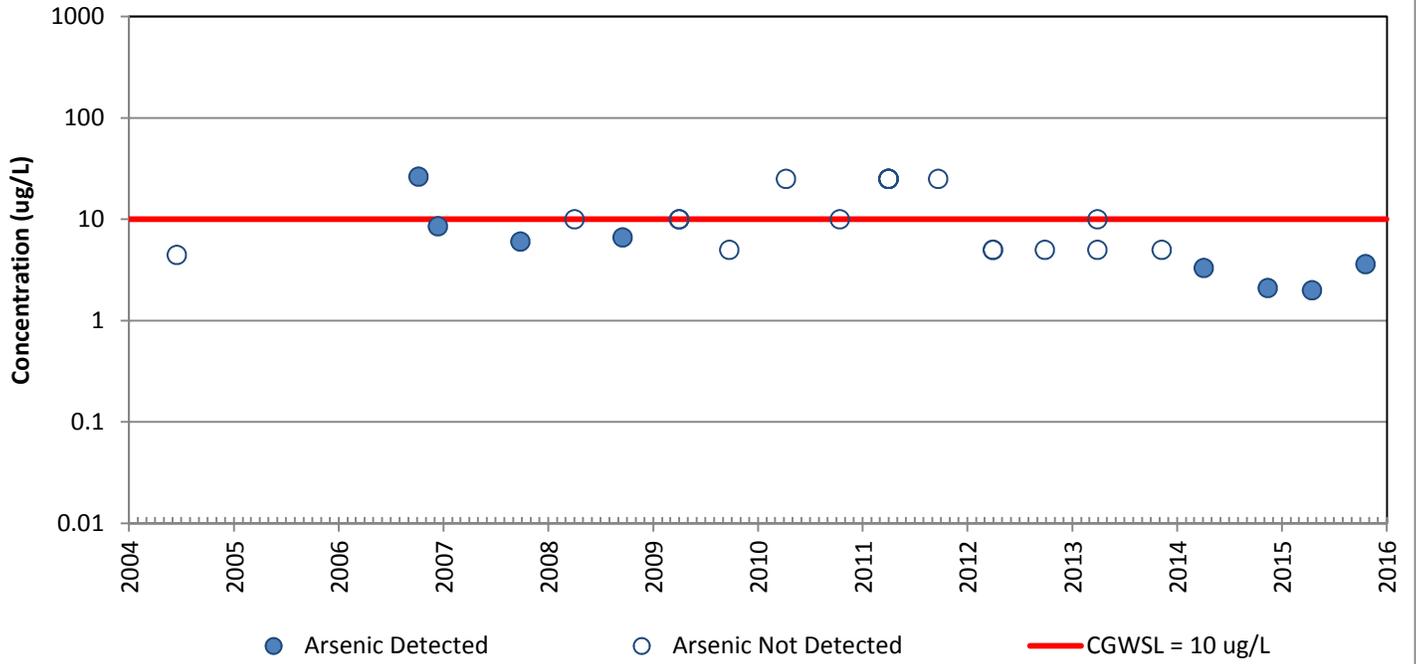


## Naphthalene

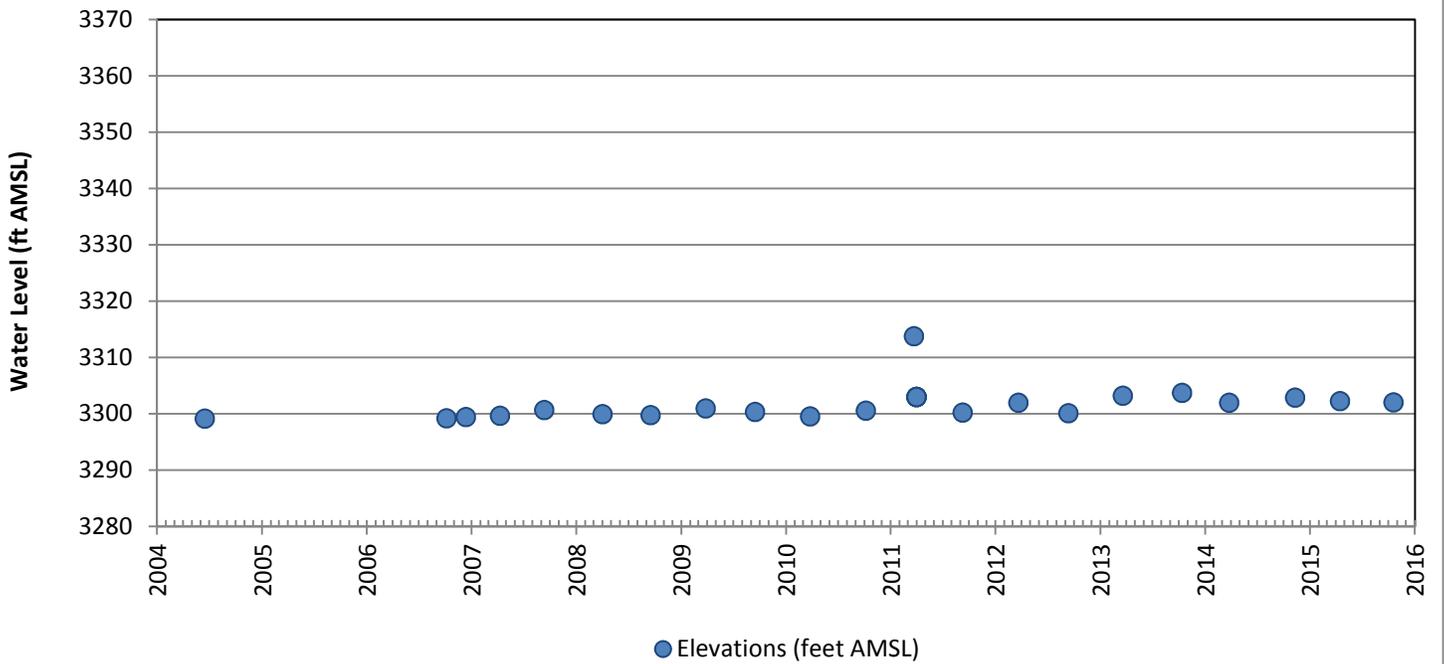


# OCD-2A

## Arsenic

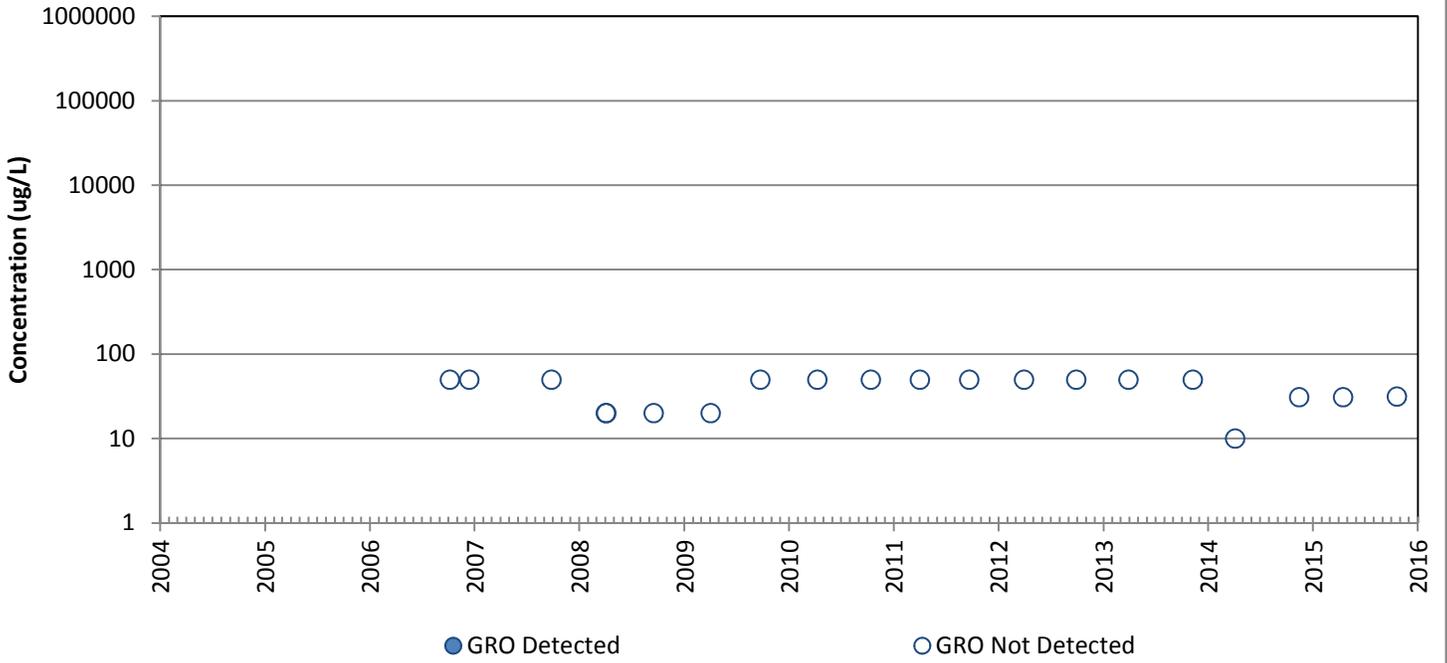


## Water Elevations

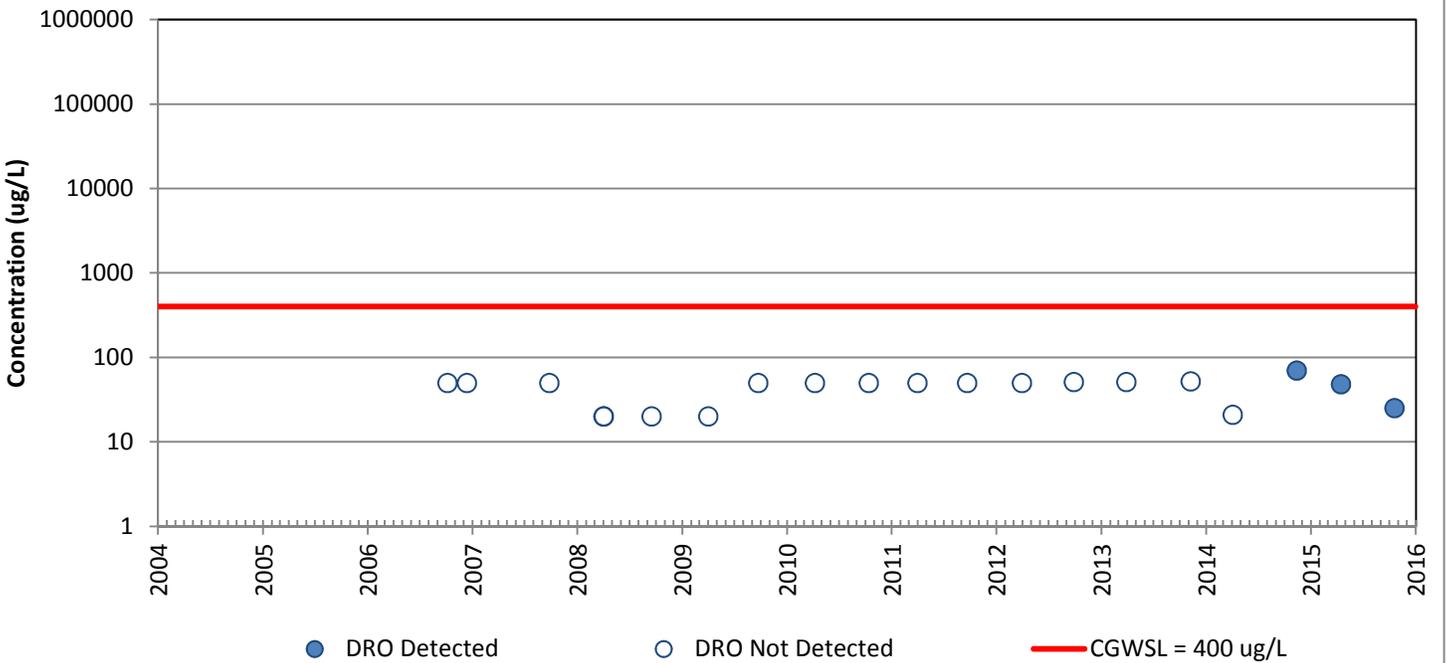


# OCD-3

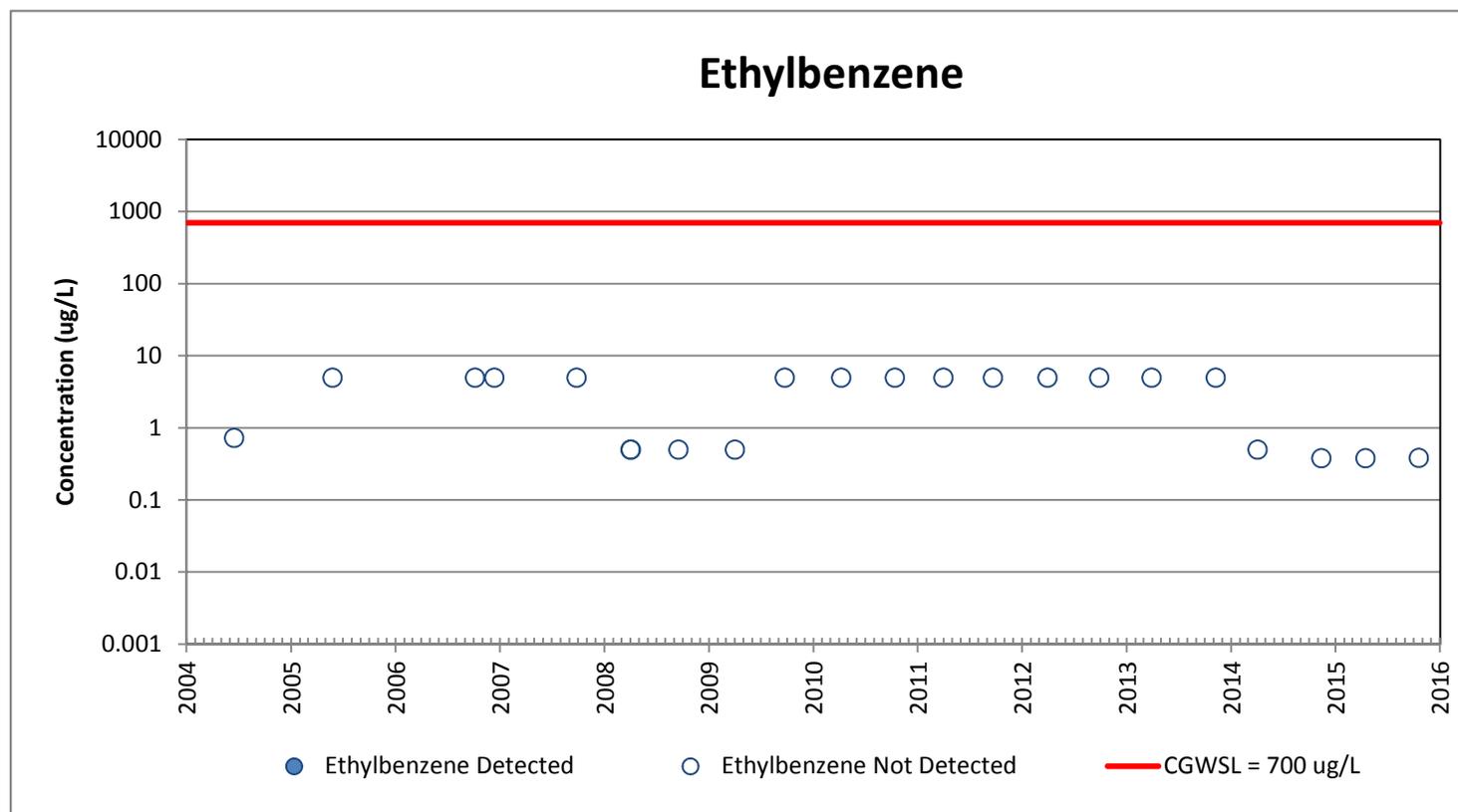
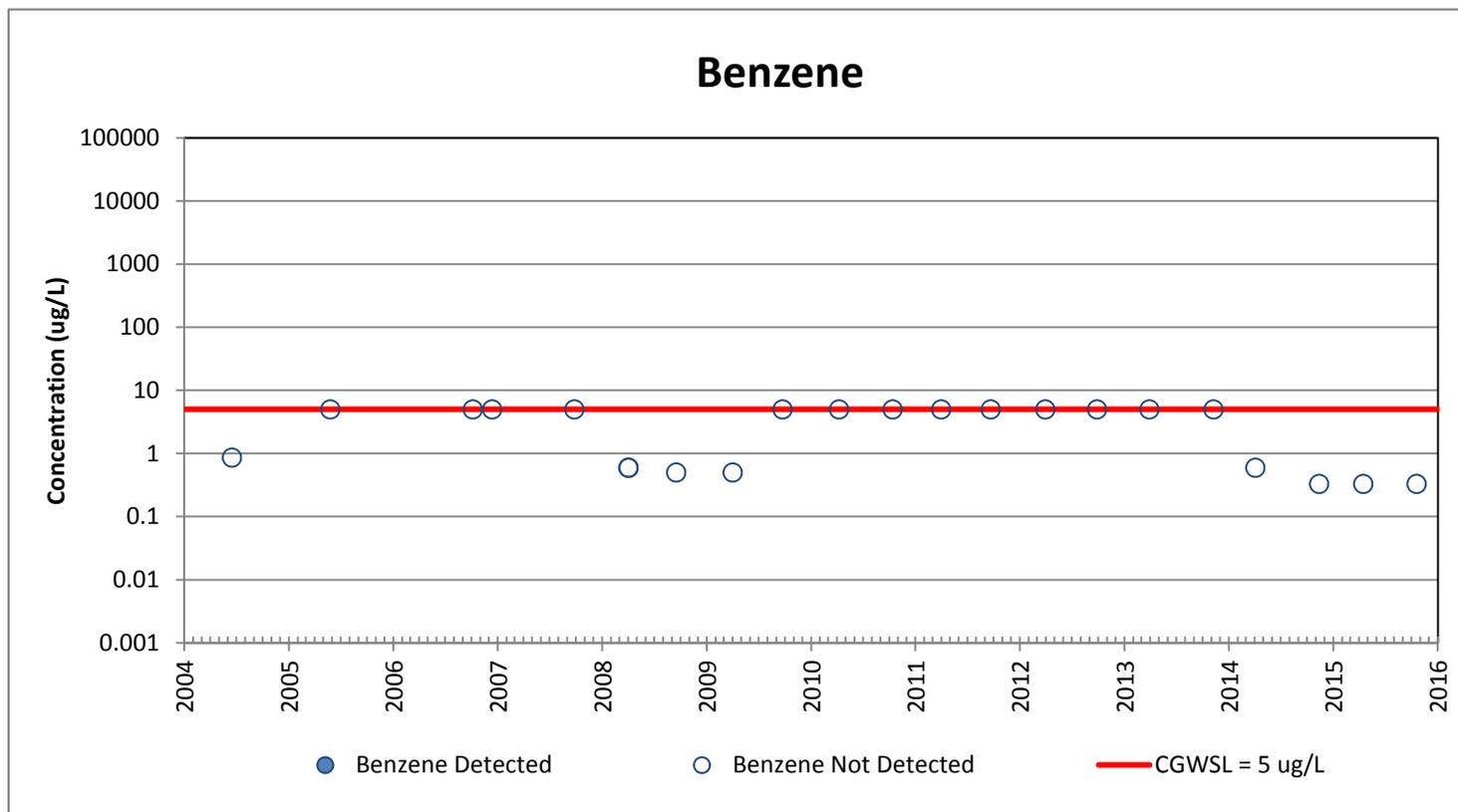
## GRO



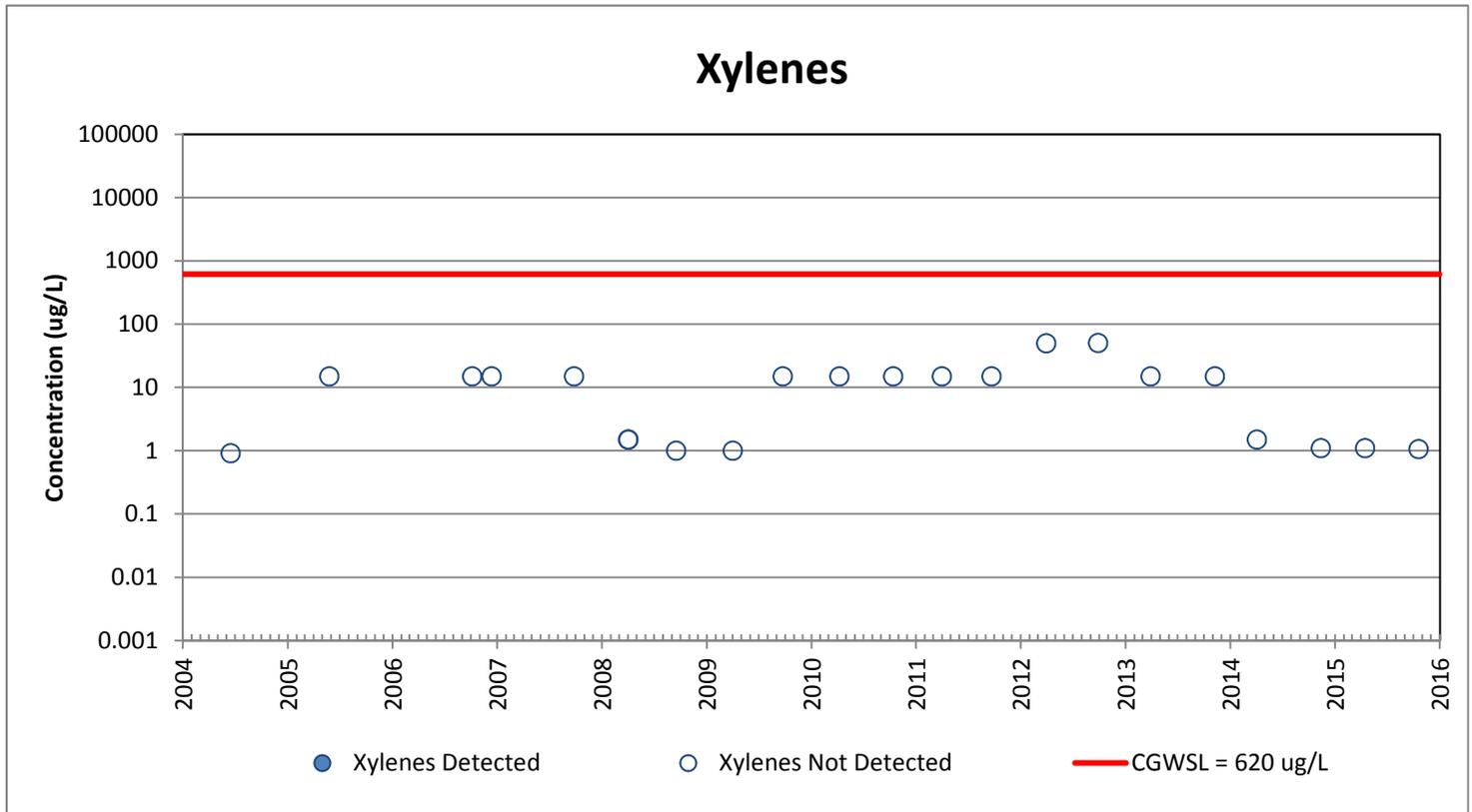
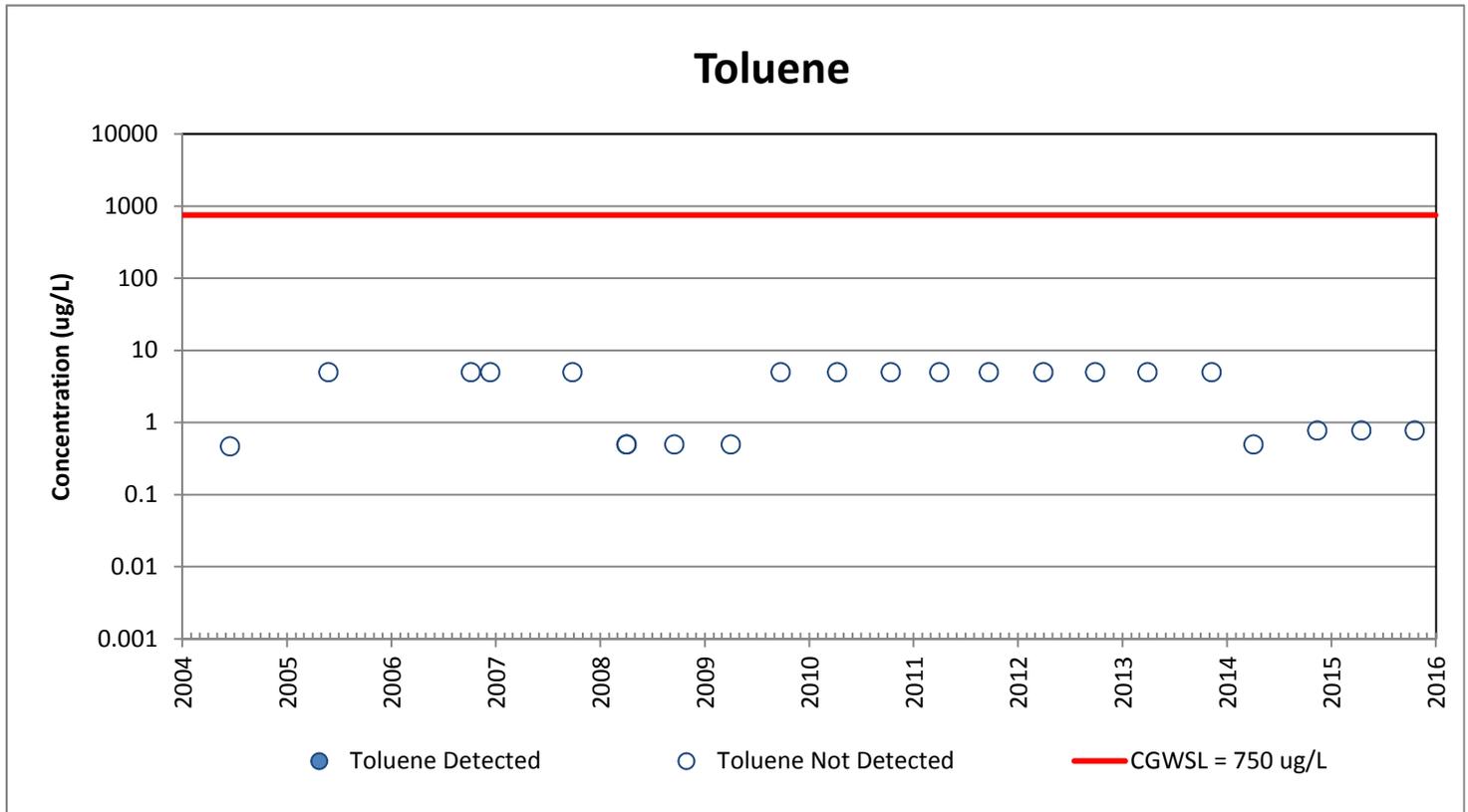
## DRO



# OCD-3

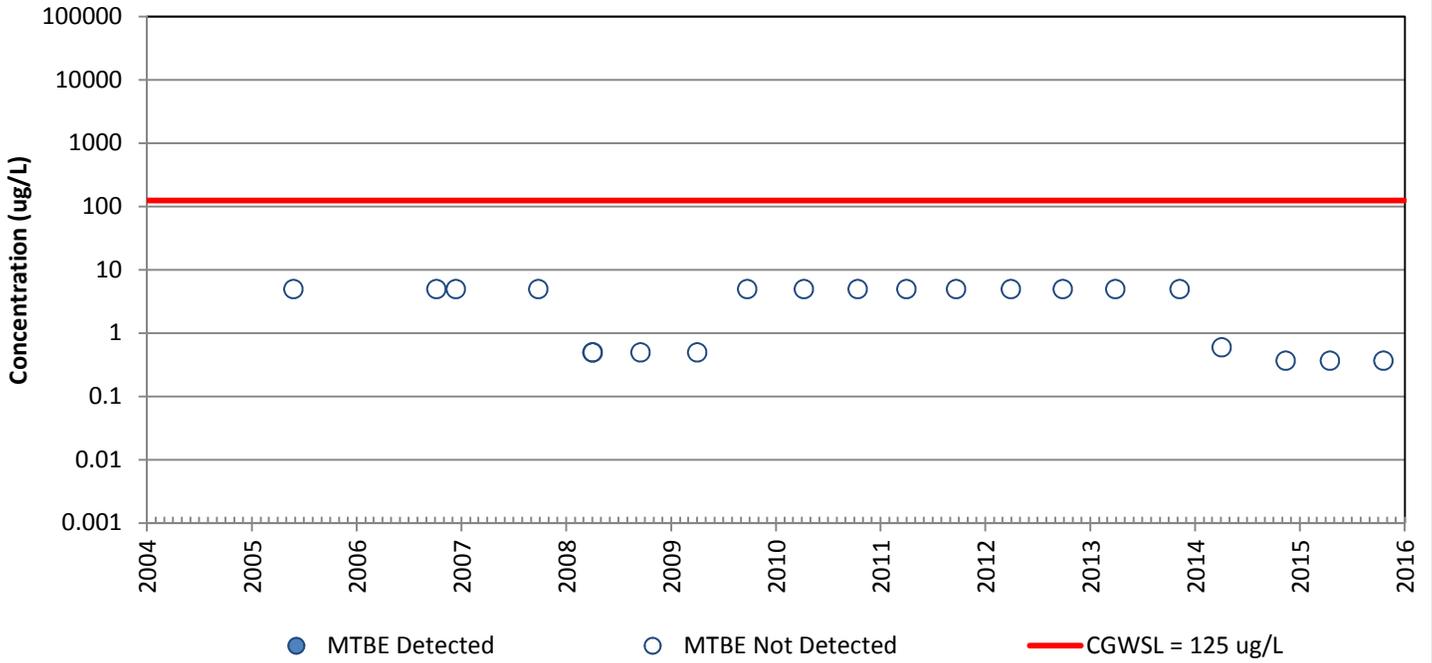


# OCD-3

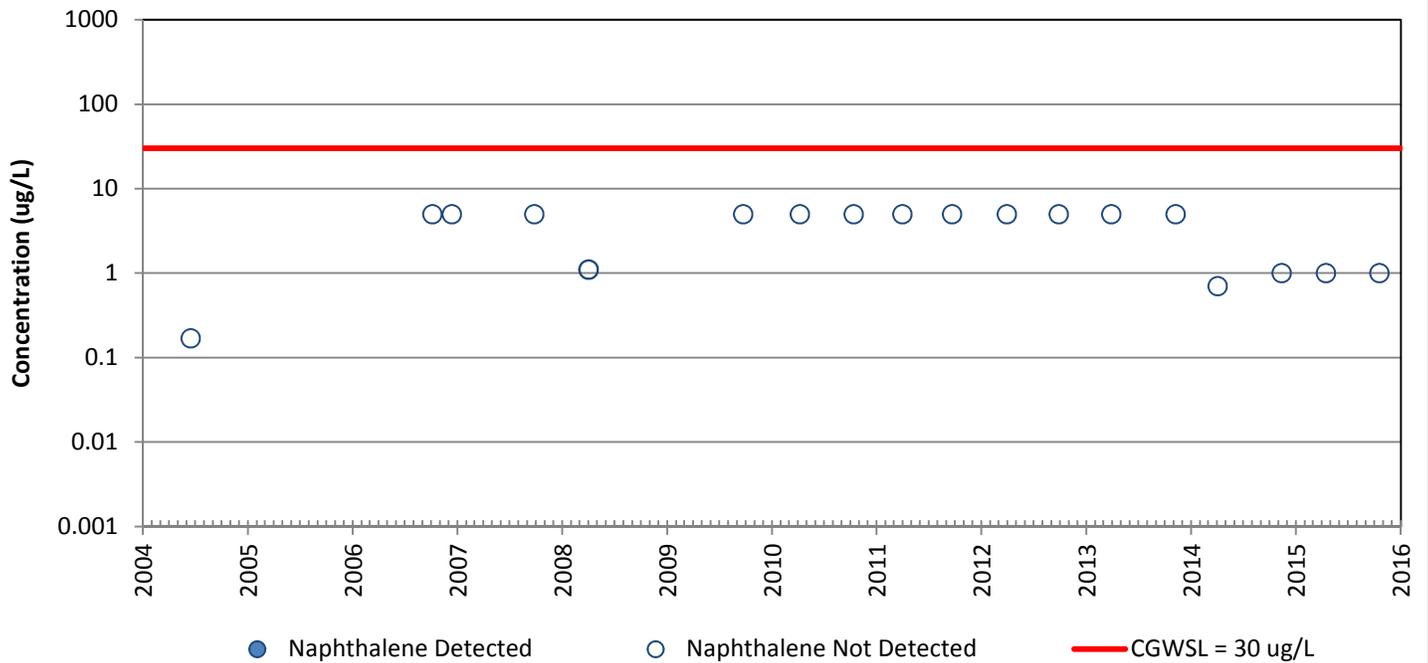


# OCD-3

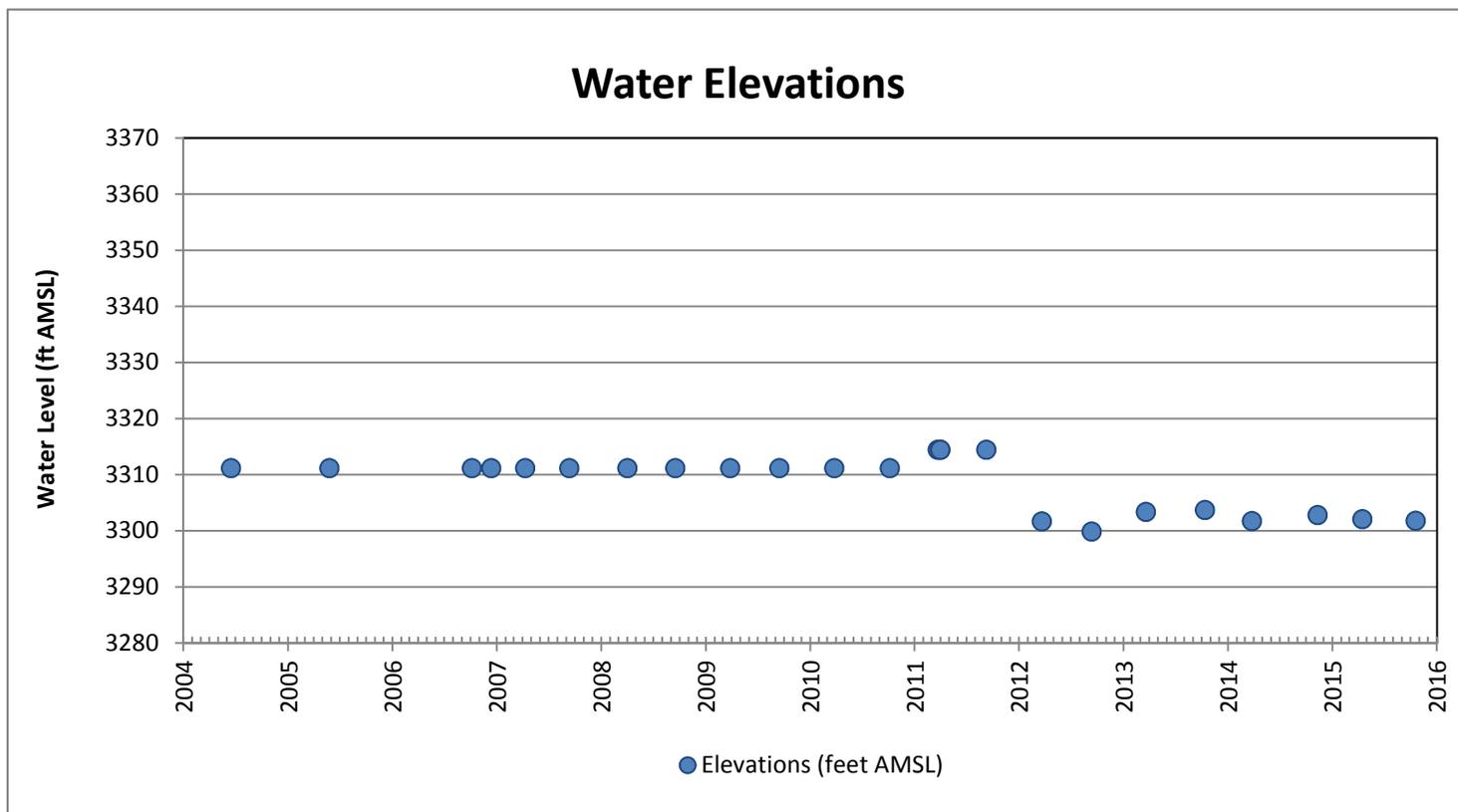
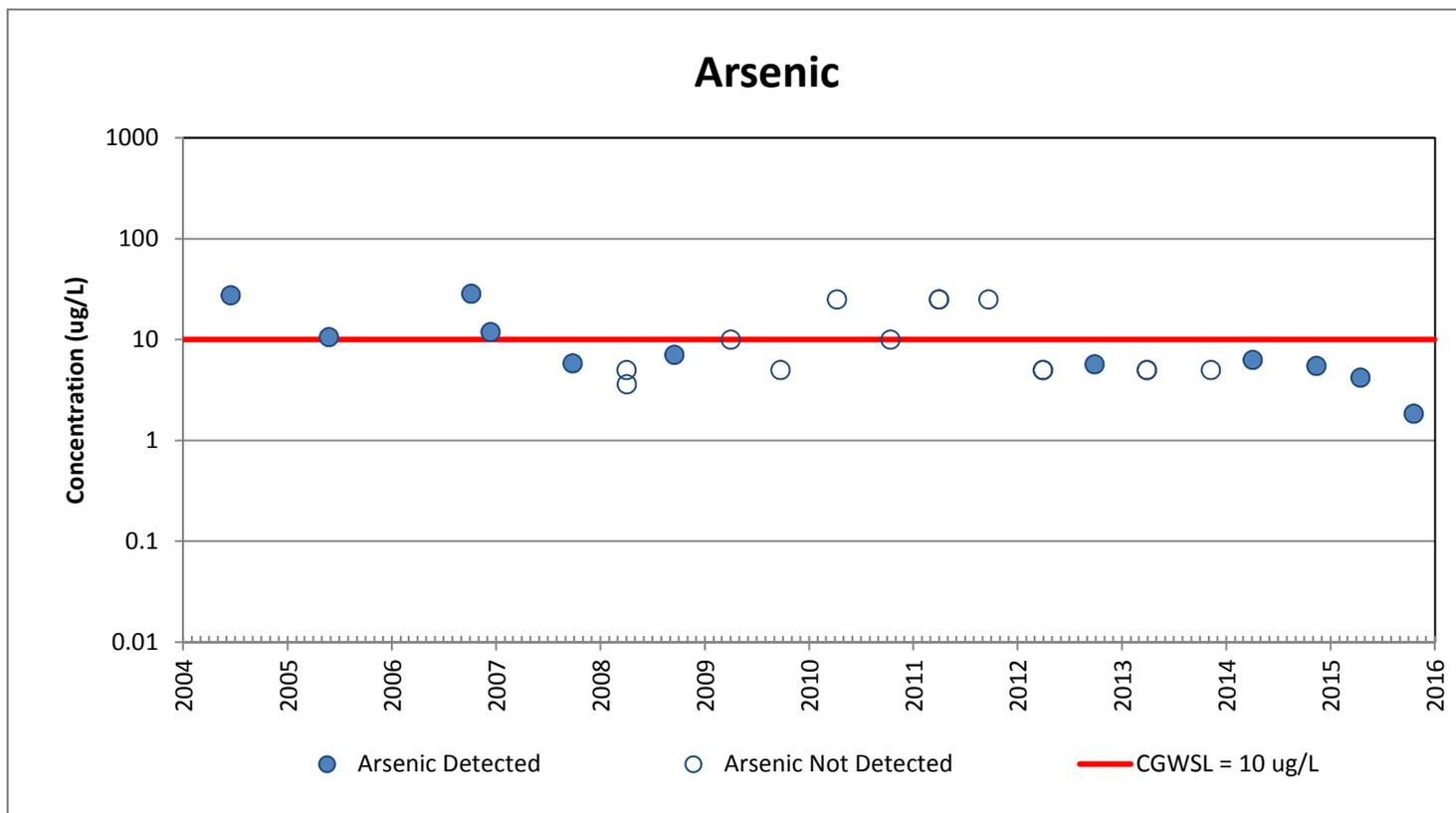
## MTBE



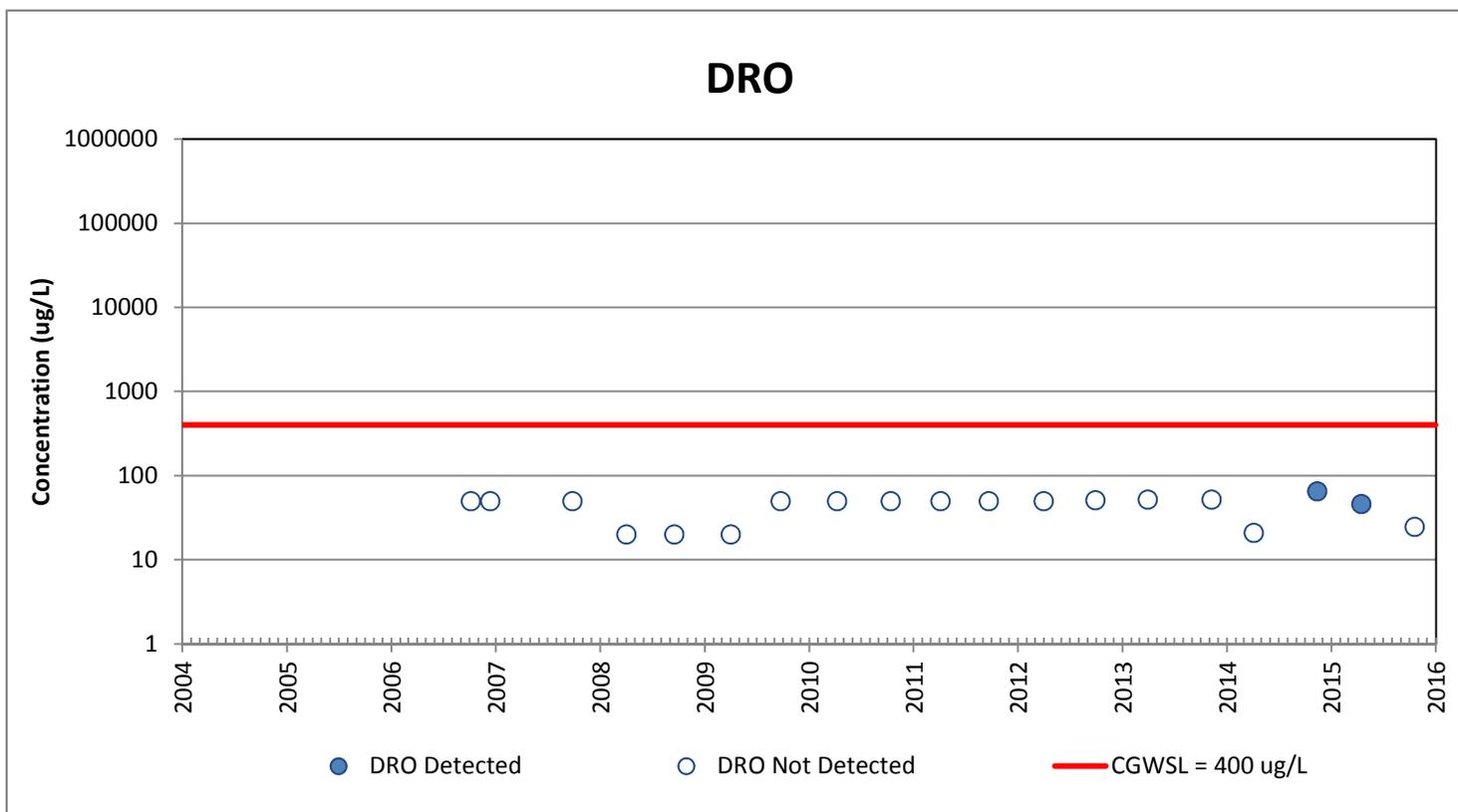
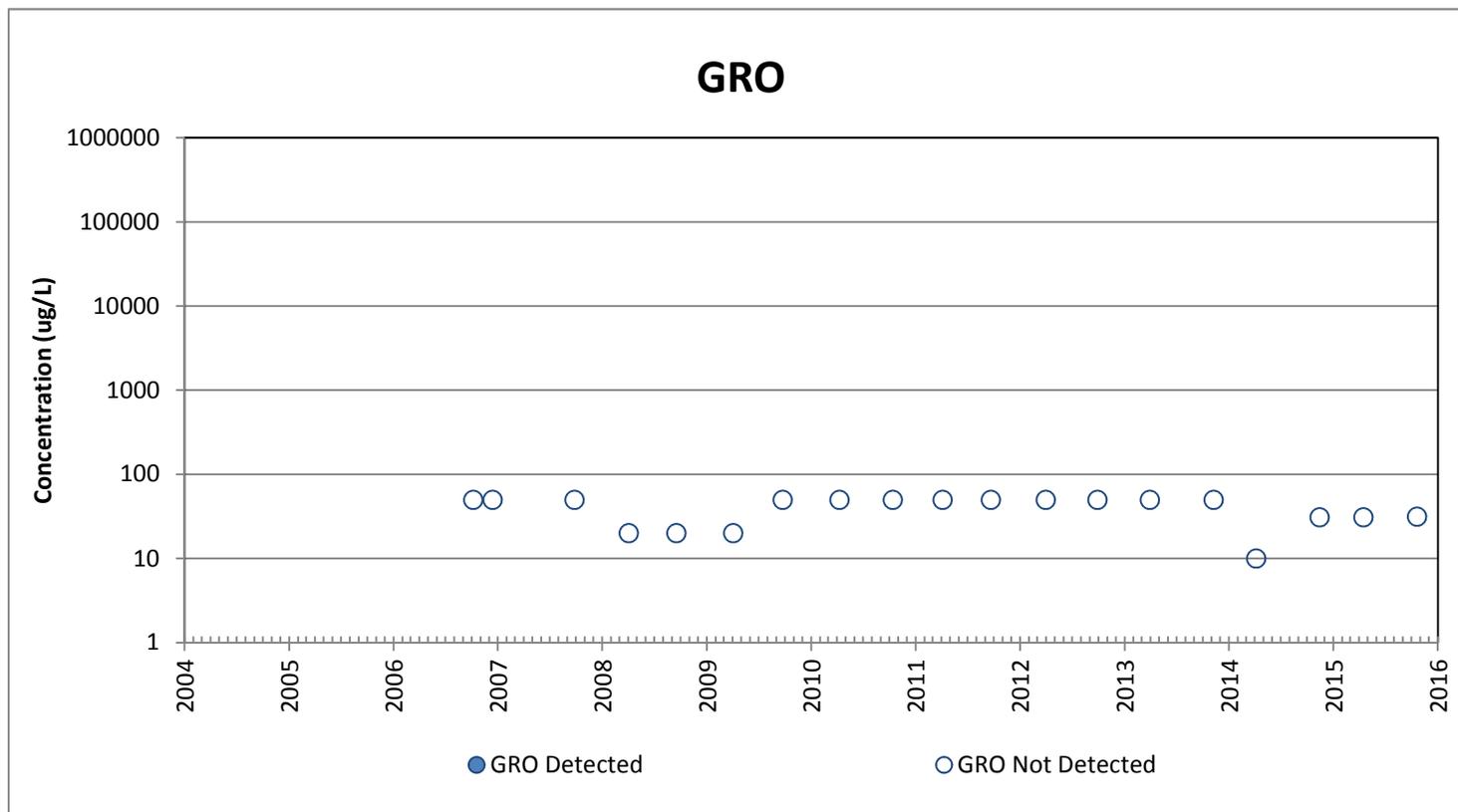
## Naphthalene



# OCD-3

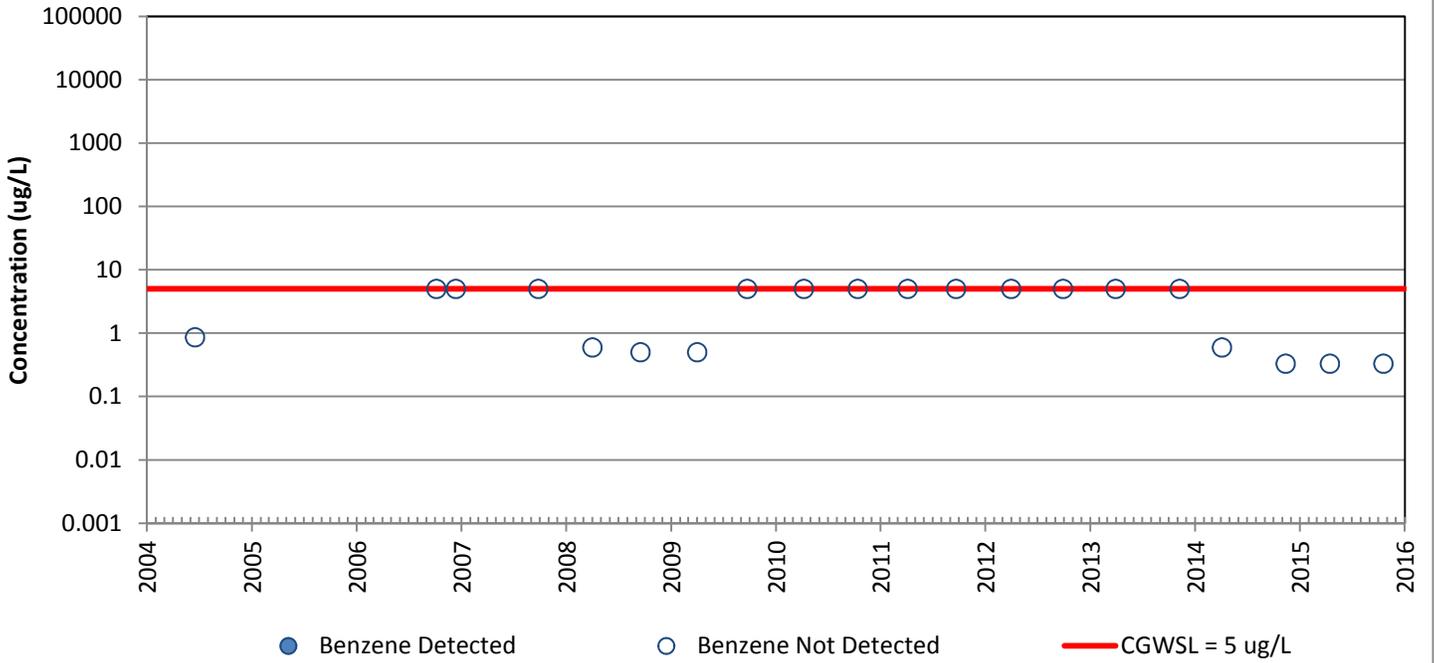


# OCD-4

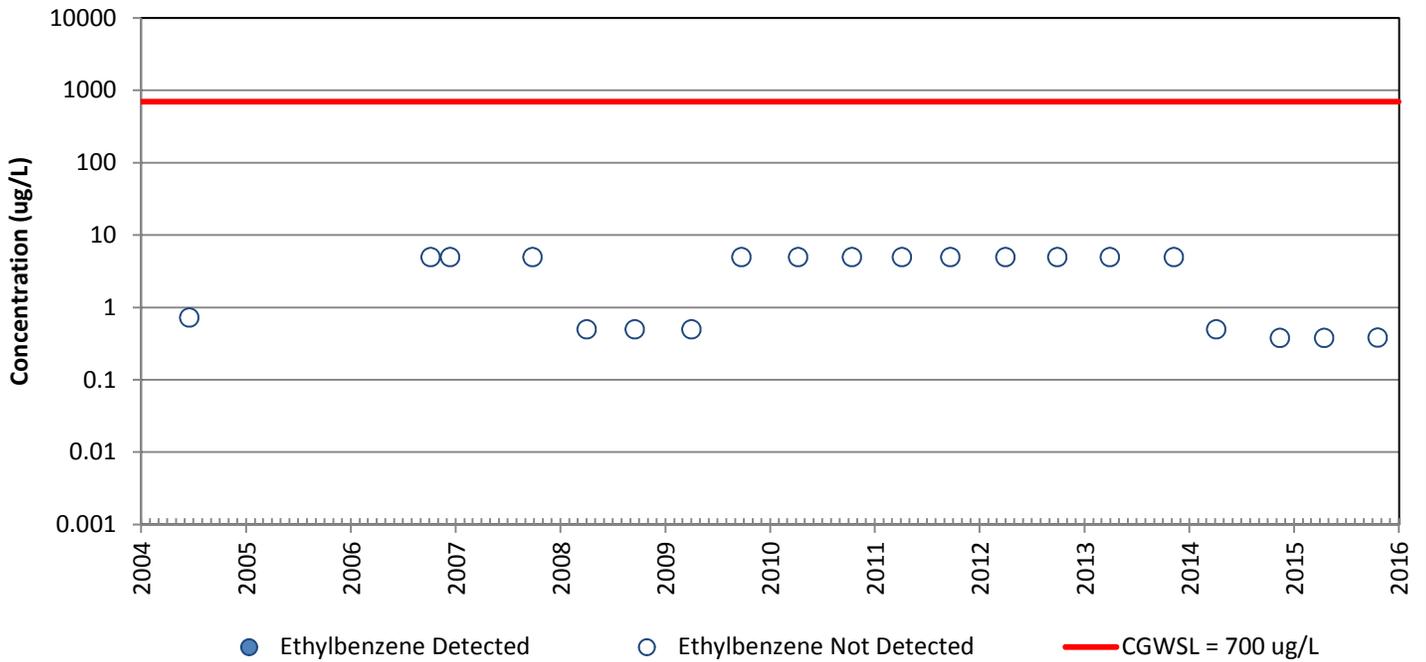


# OCD-4

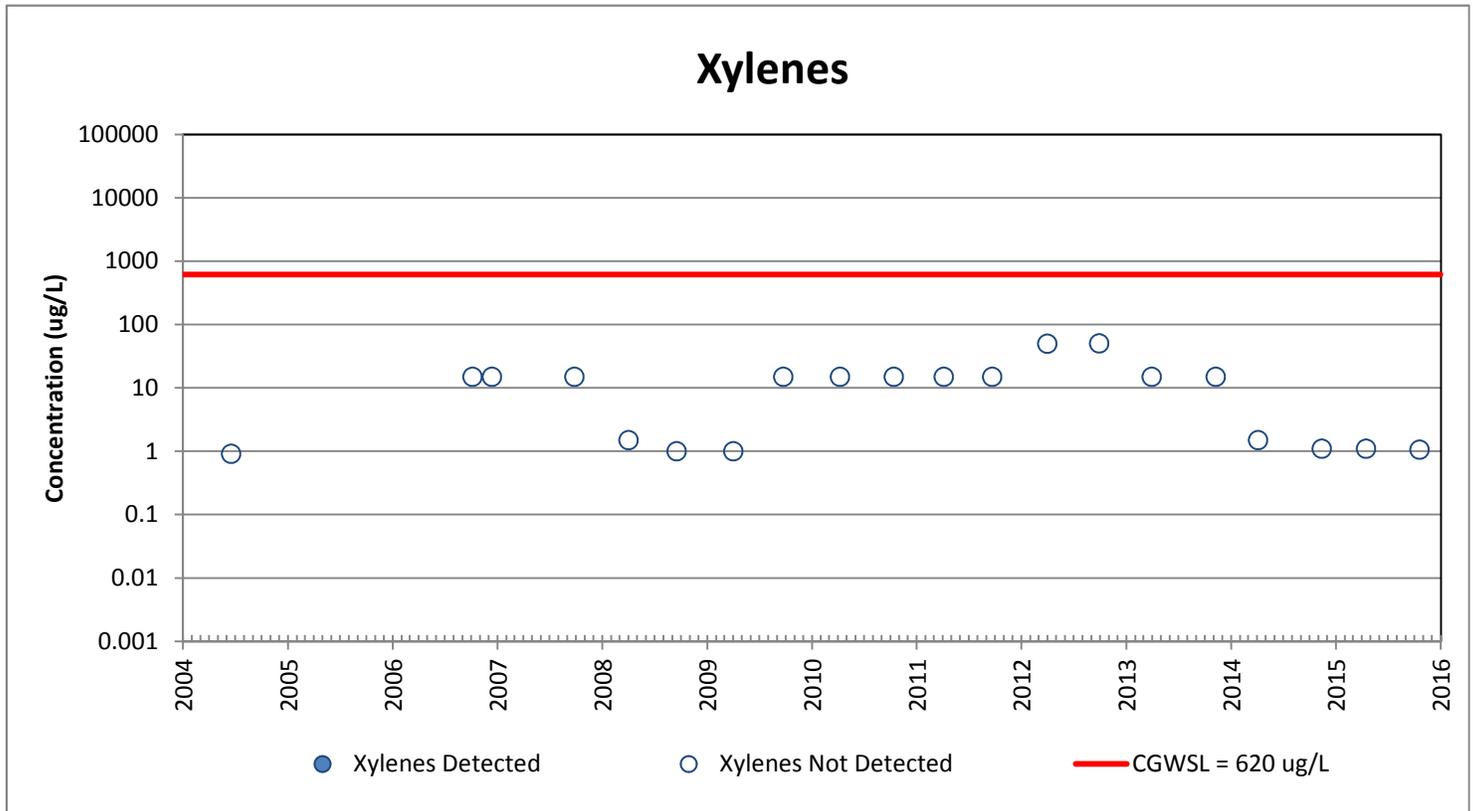
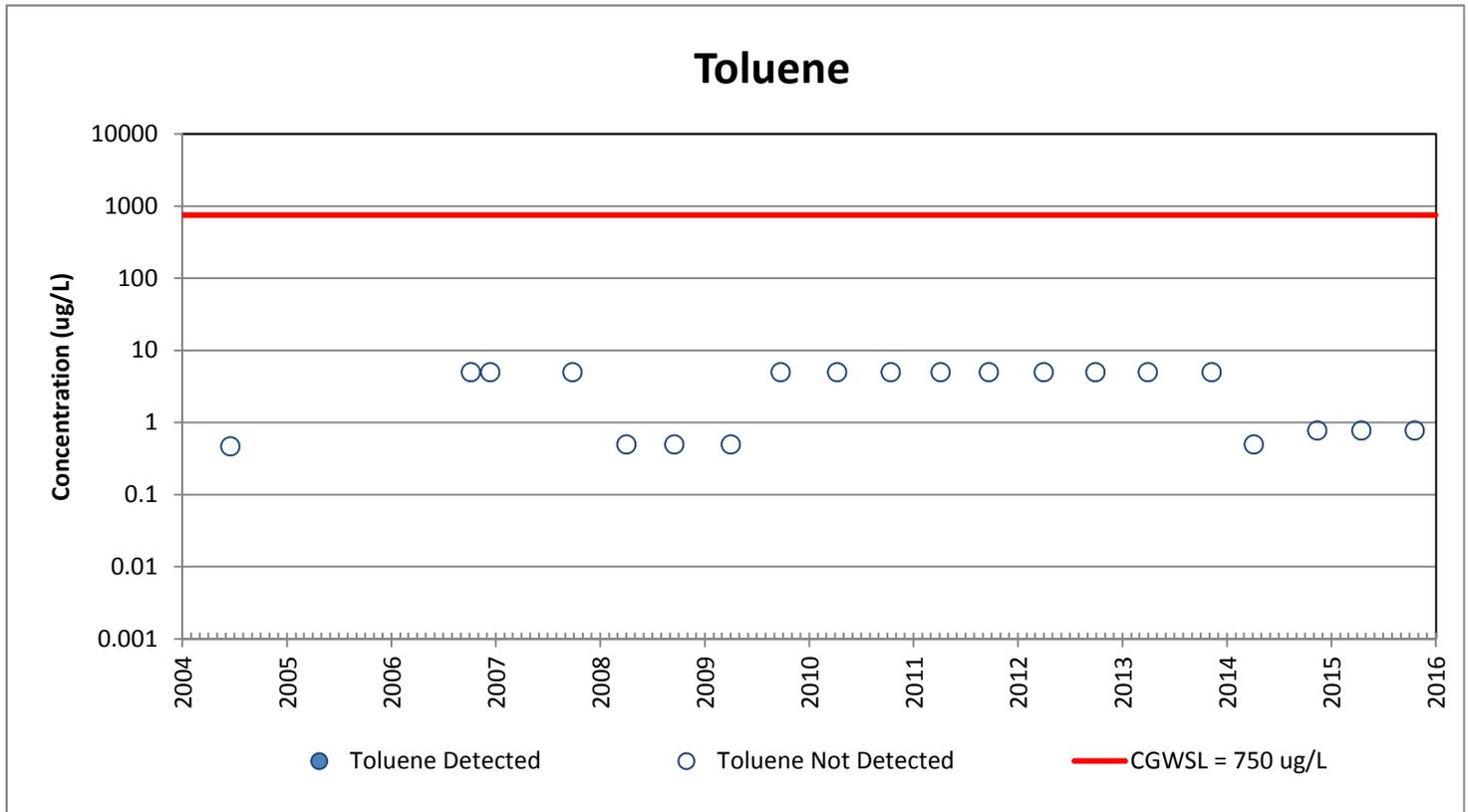
## Benzene



## Ethylbenzene

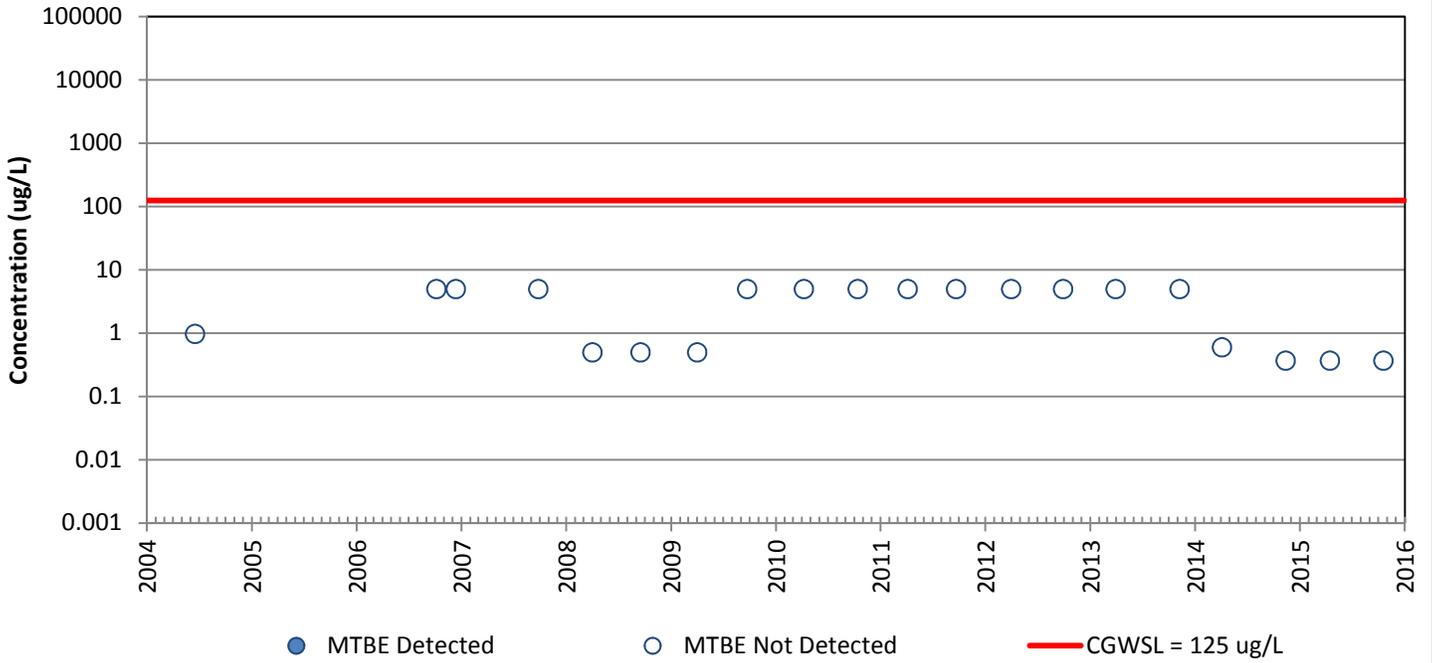


# OCD-4

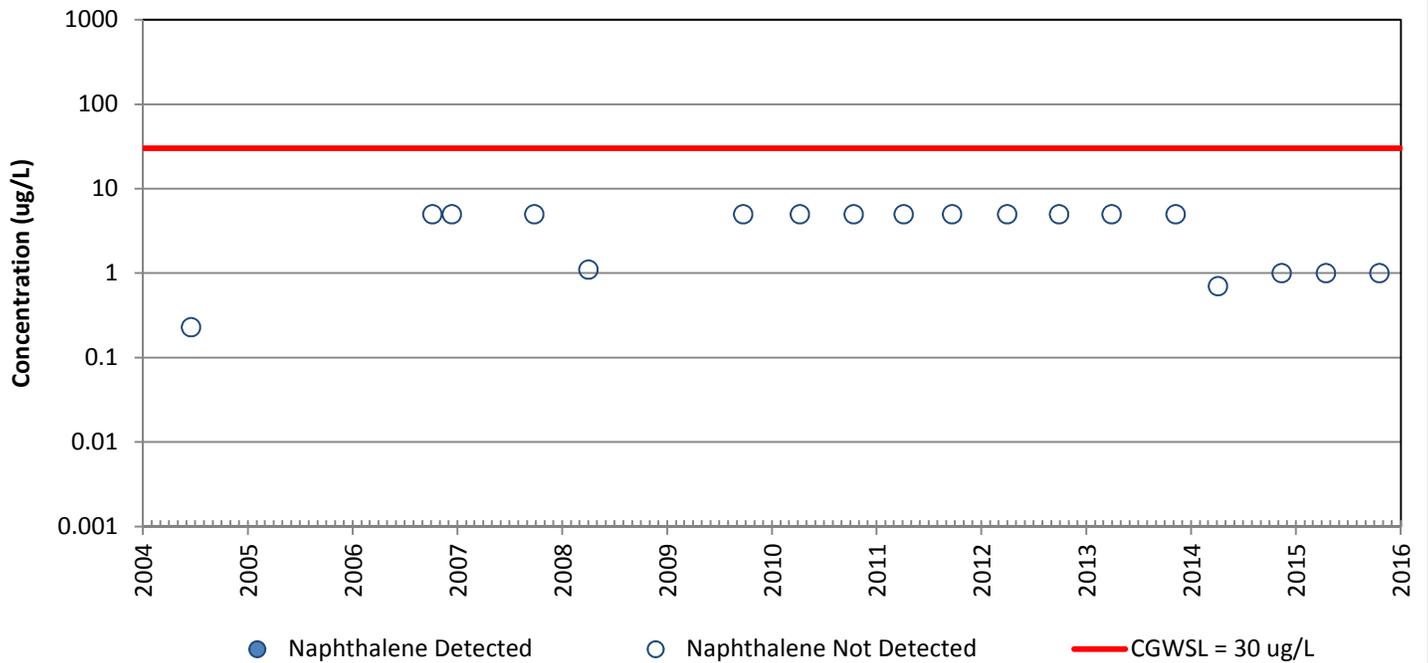


# OCD-4

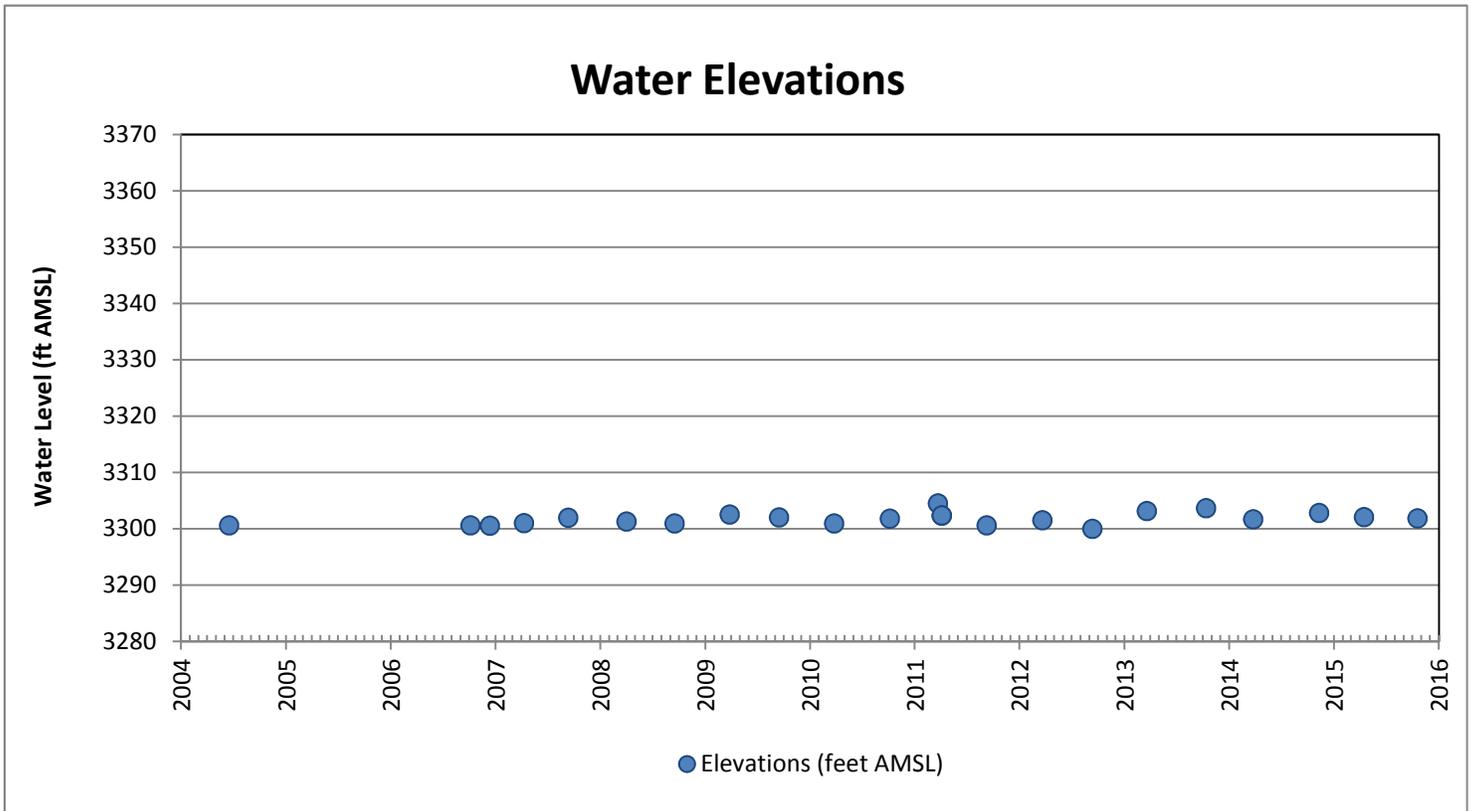
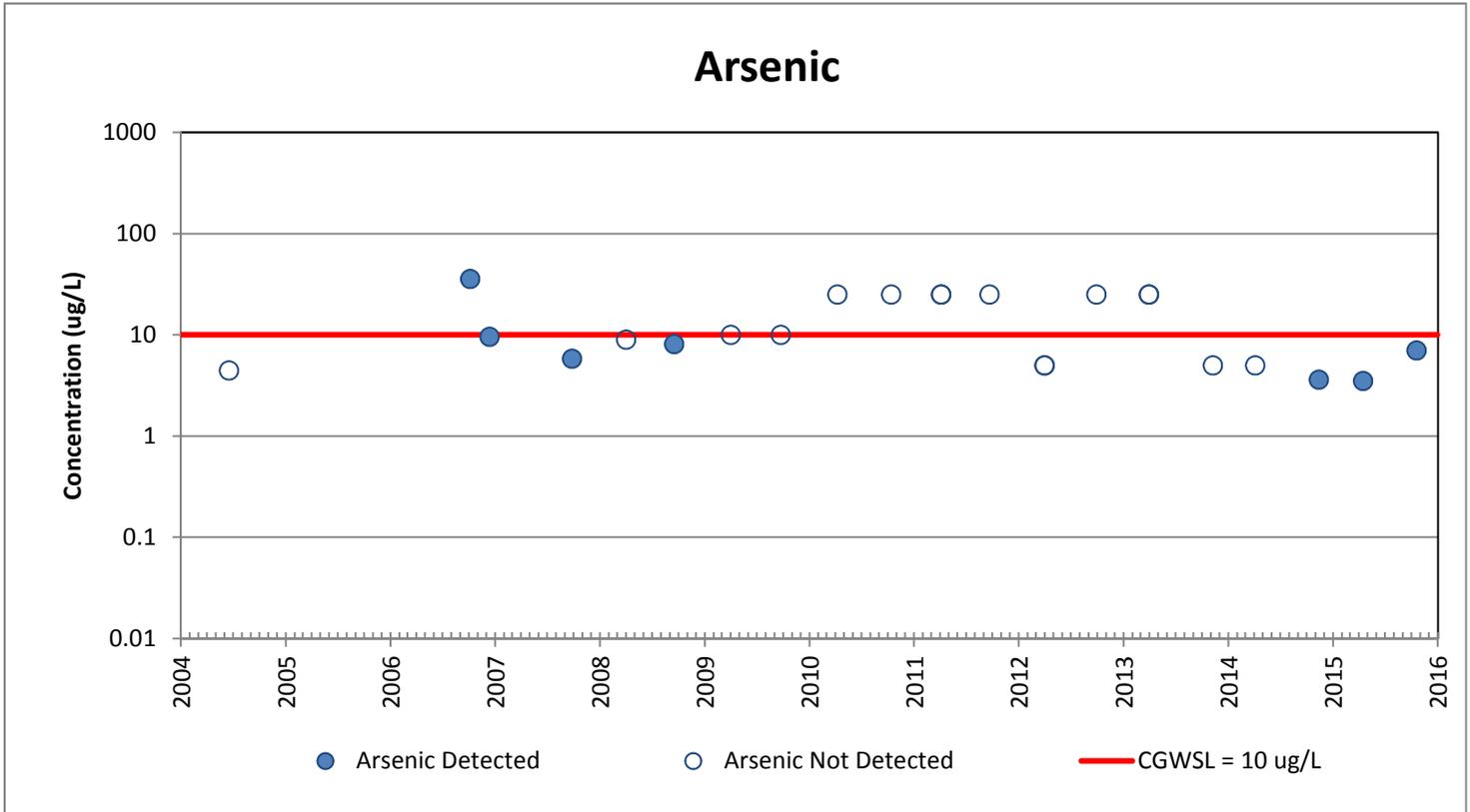
## MTBE



## Naphthalene

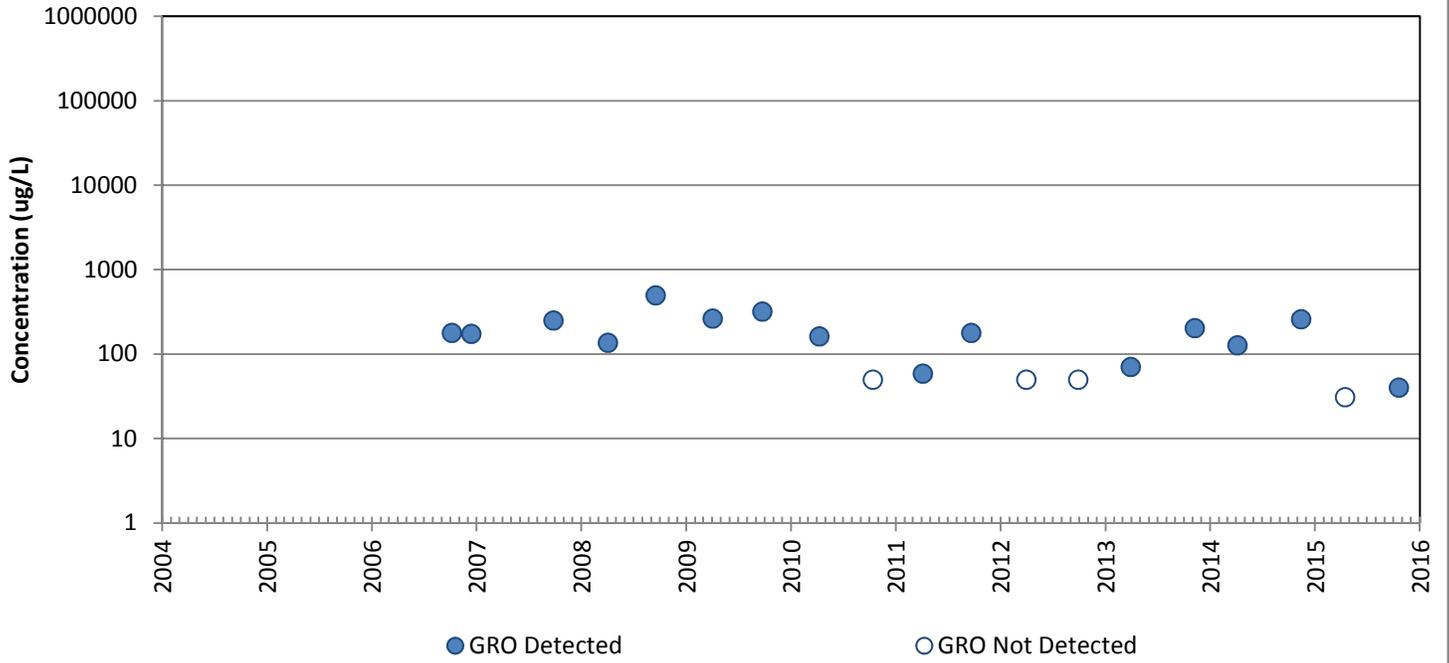


# OCD-4

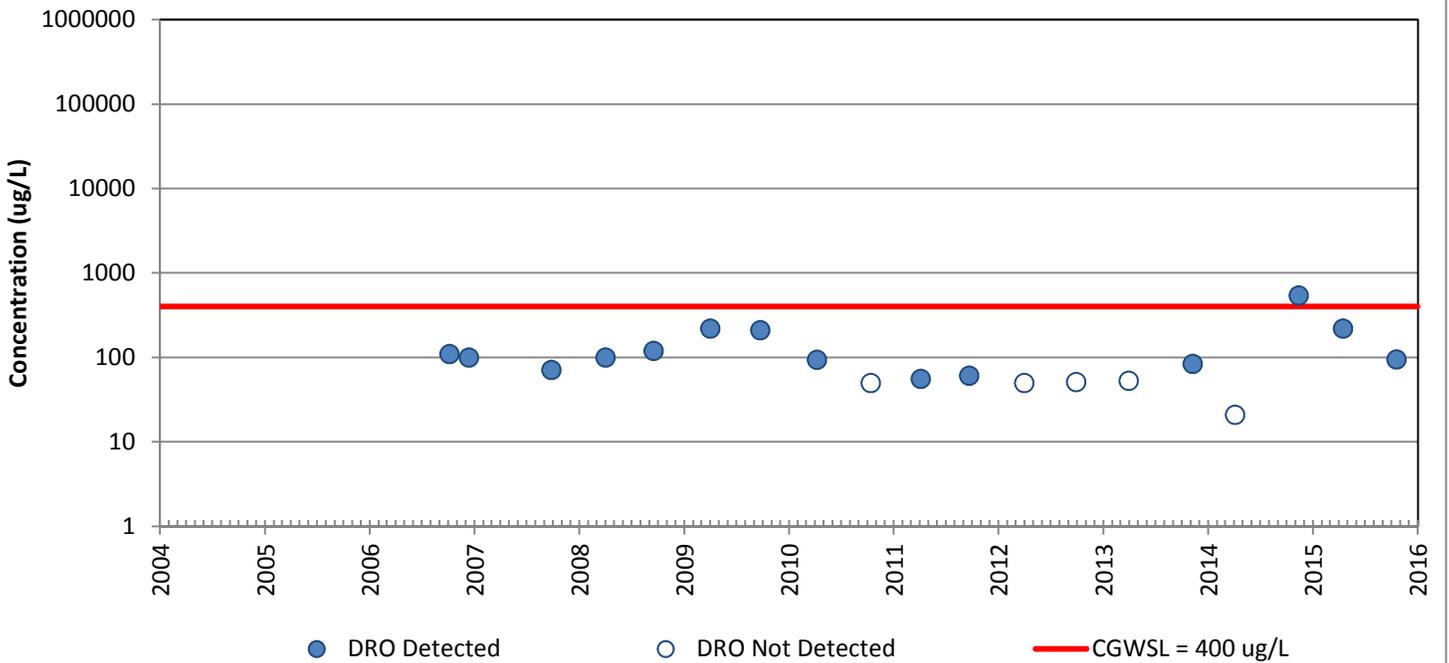


# OCD-5

## GRO

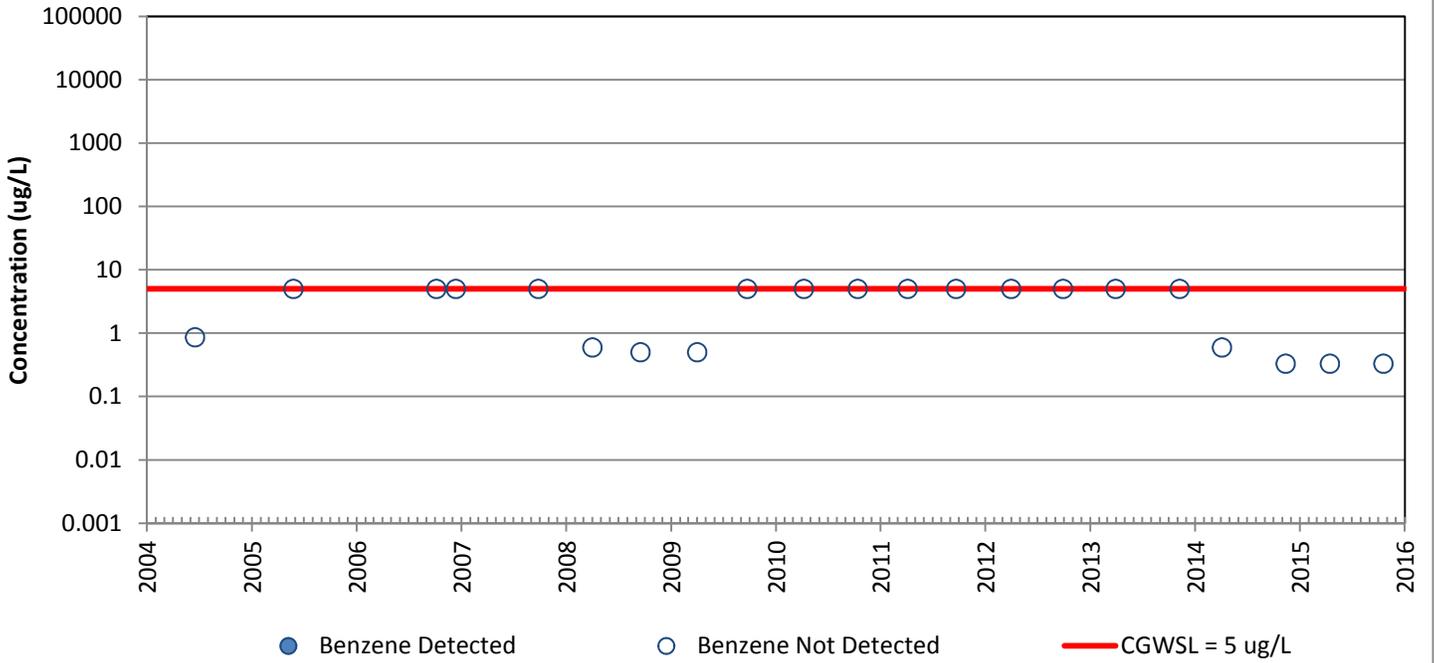


## DRO

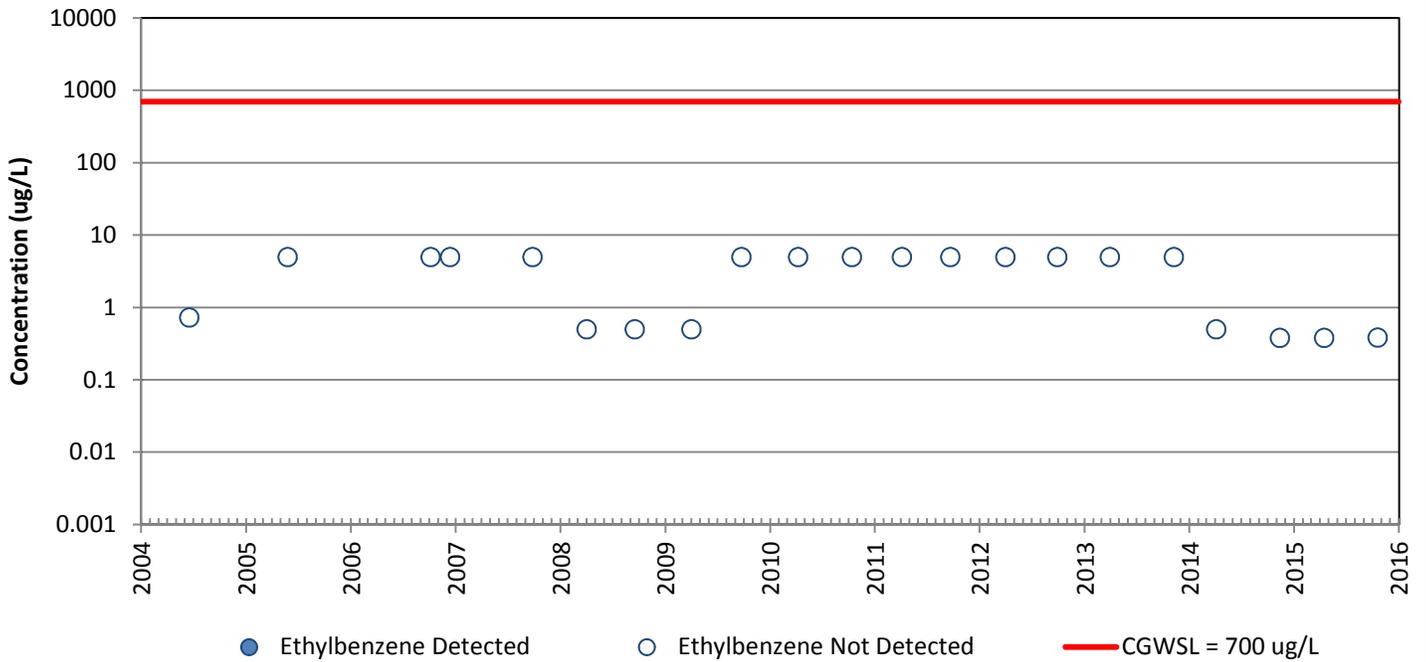


# OCD-5

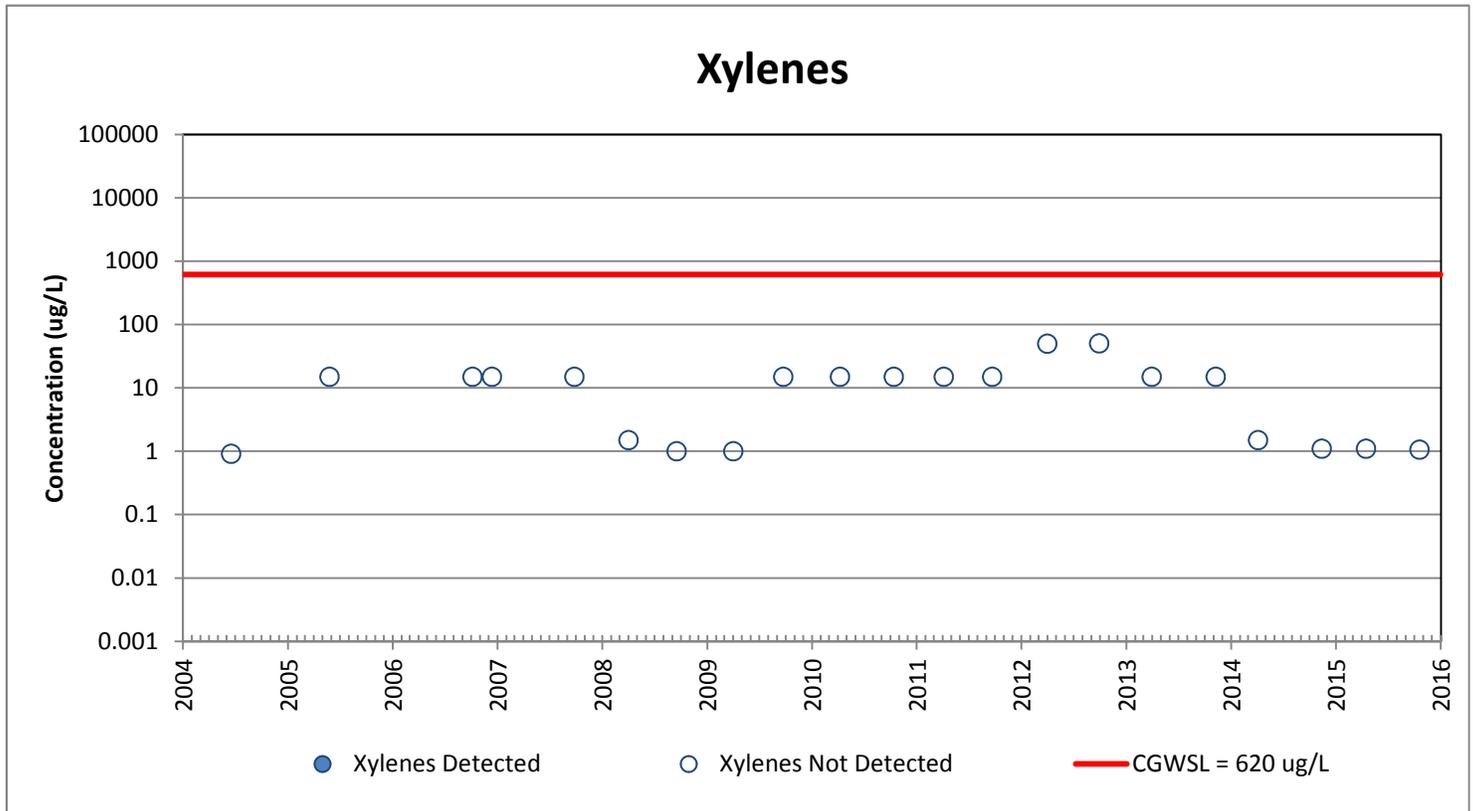
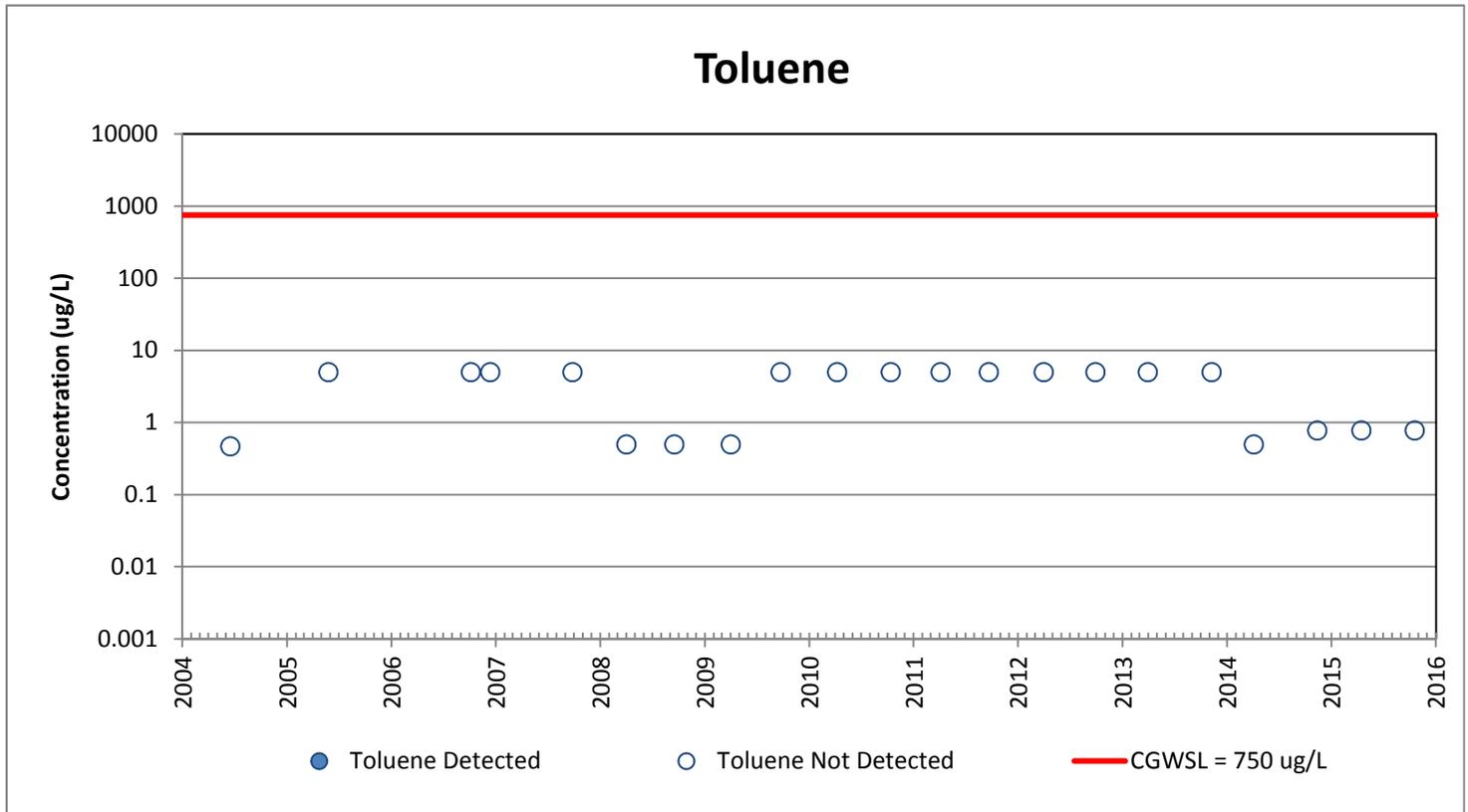
## Benzene



## Ethylbenzene

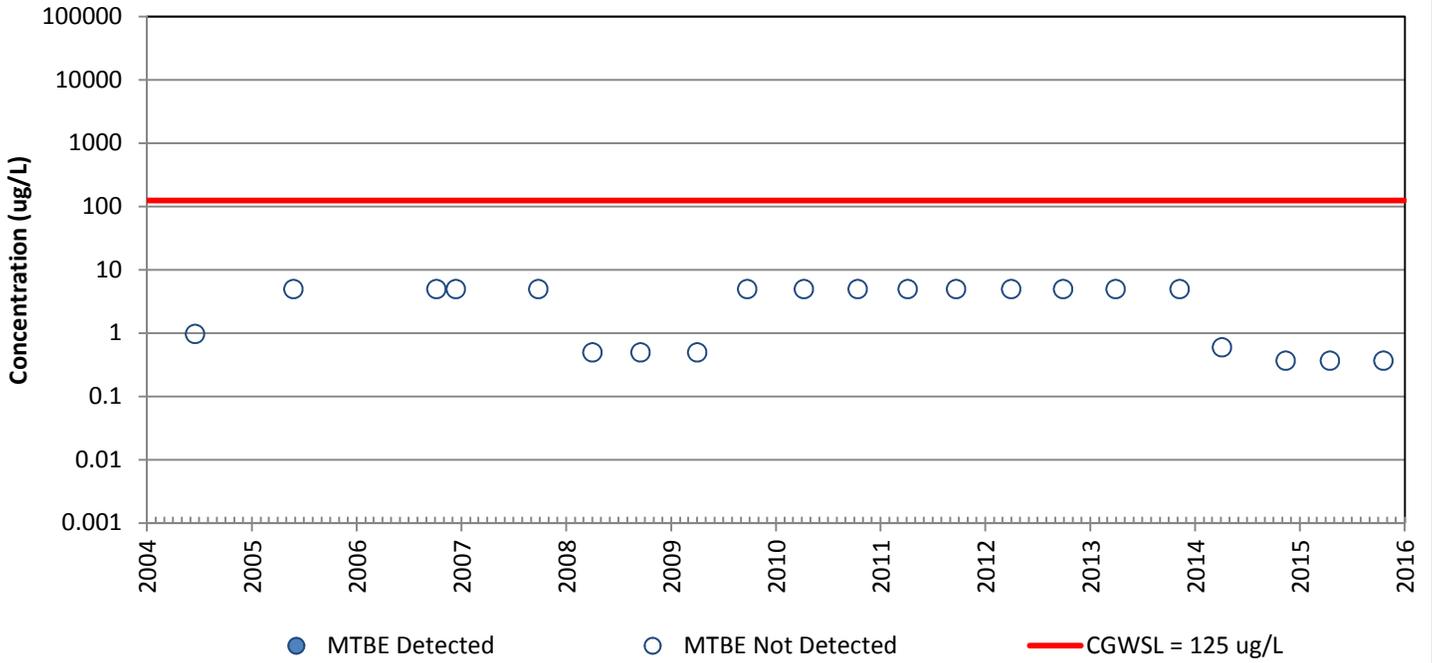


# OCD-5

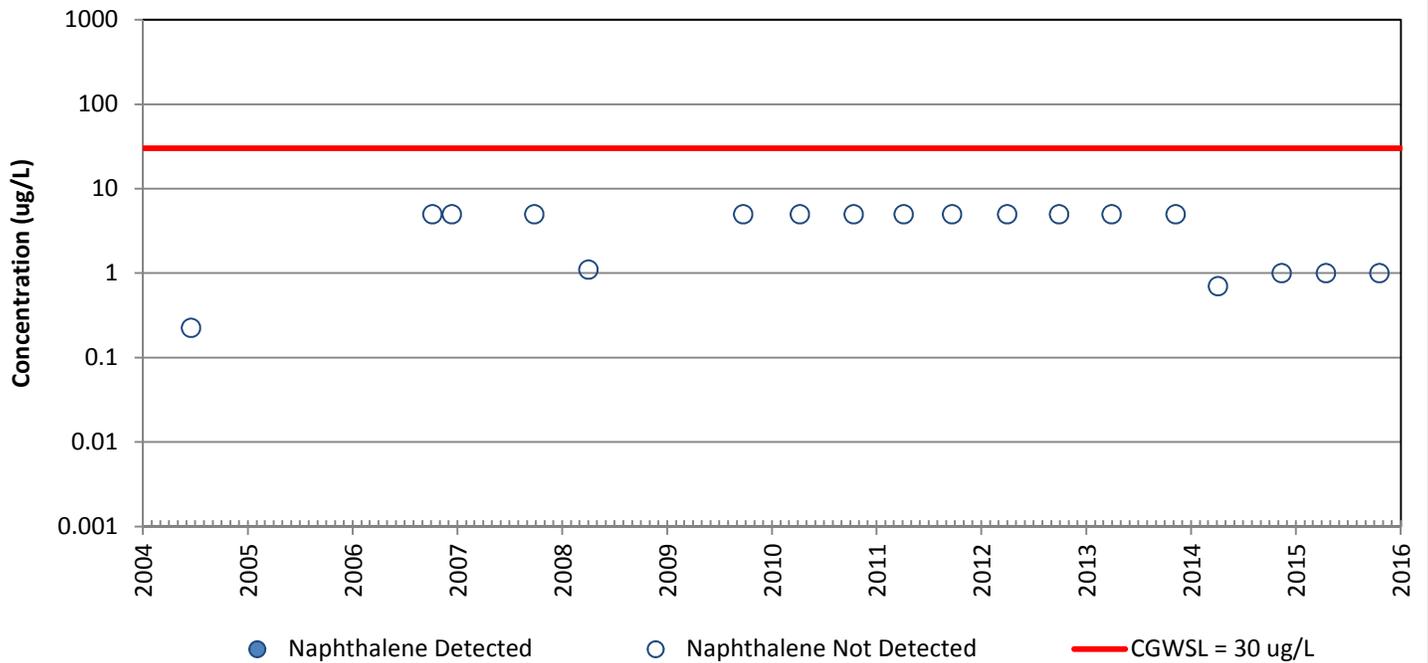


# OCD-5

## MTBE

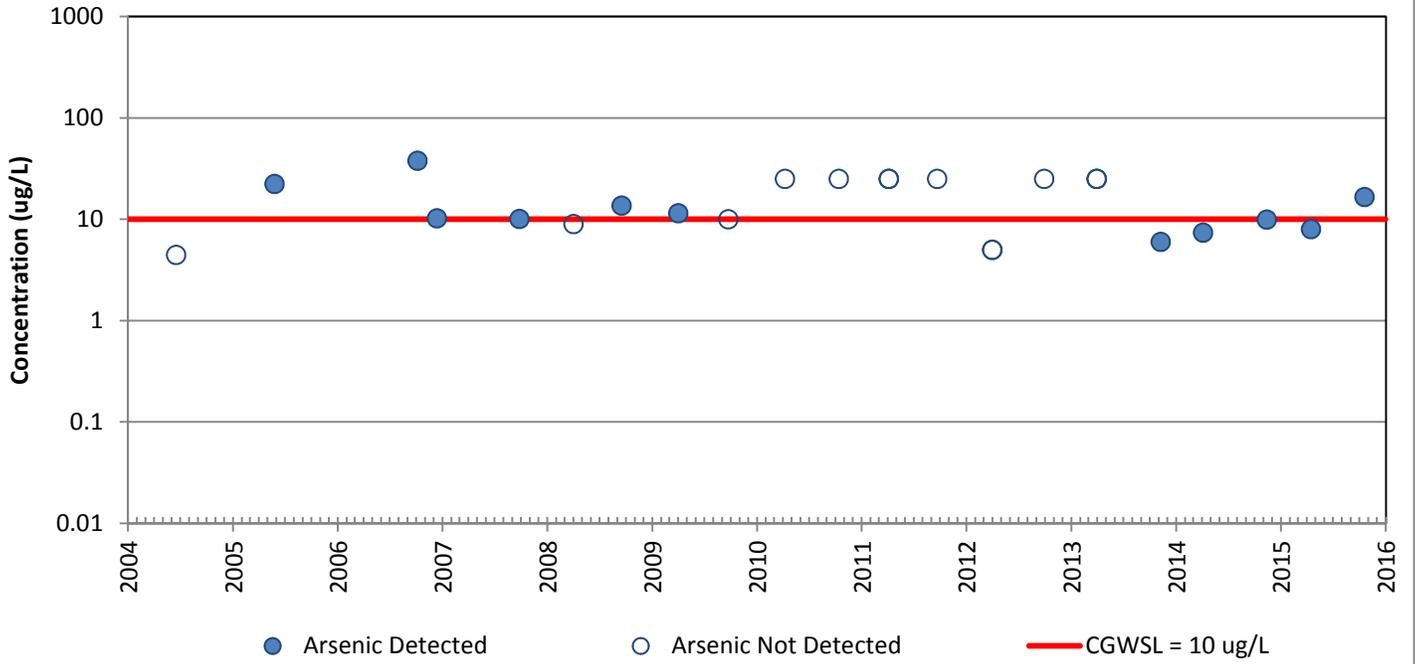


## Naphthalene

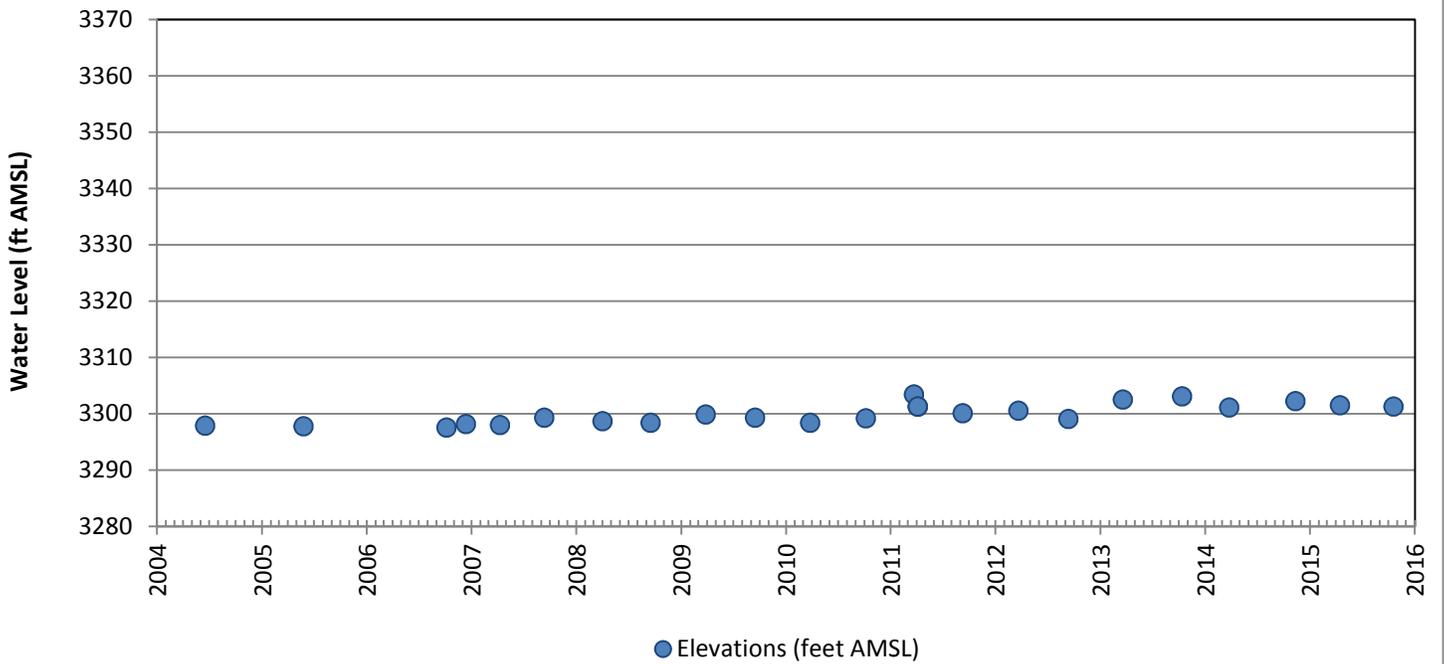


# OCD-5

## Arsenic

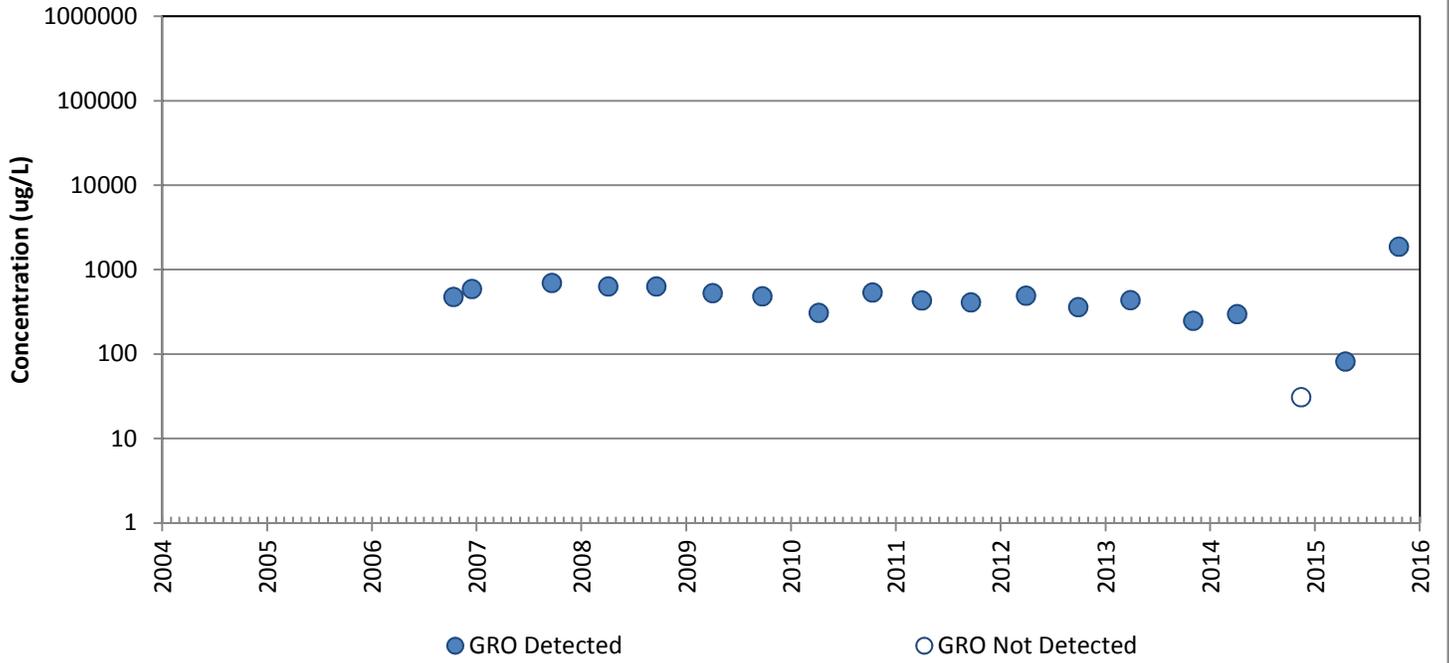


## Water Elevations

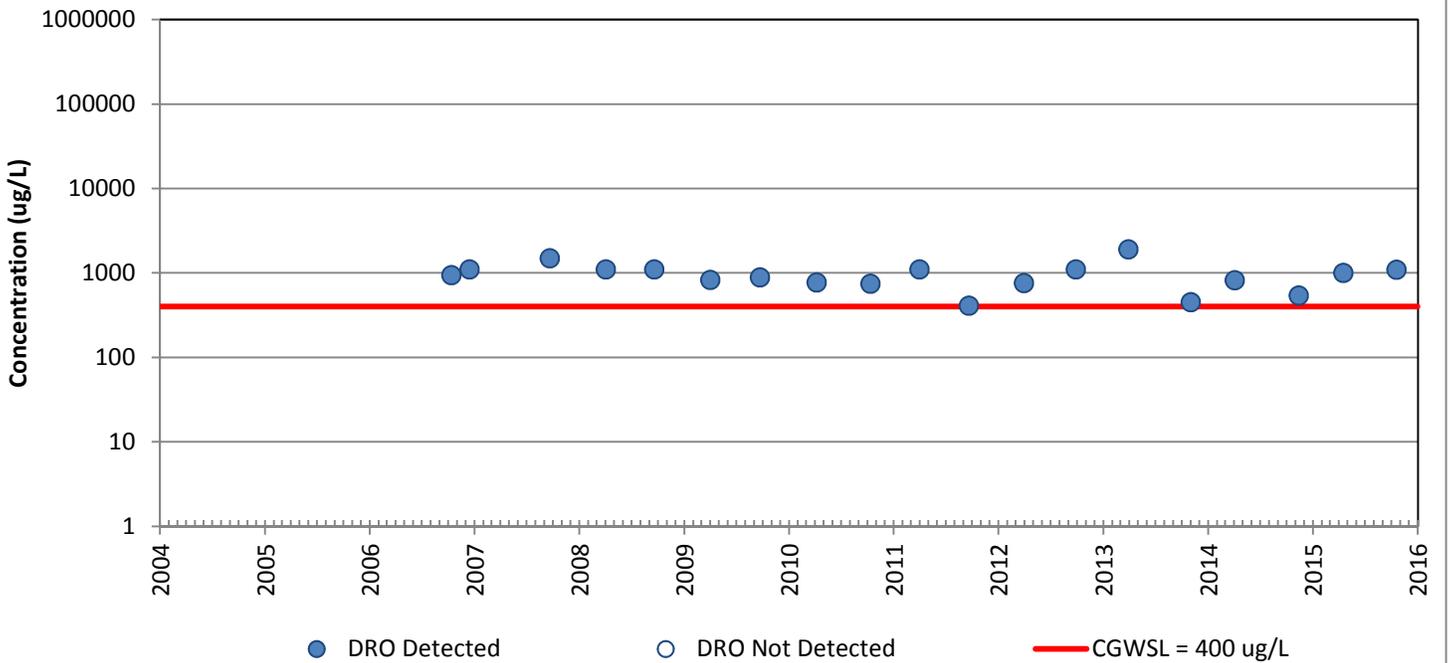


# OCD-6

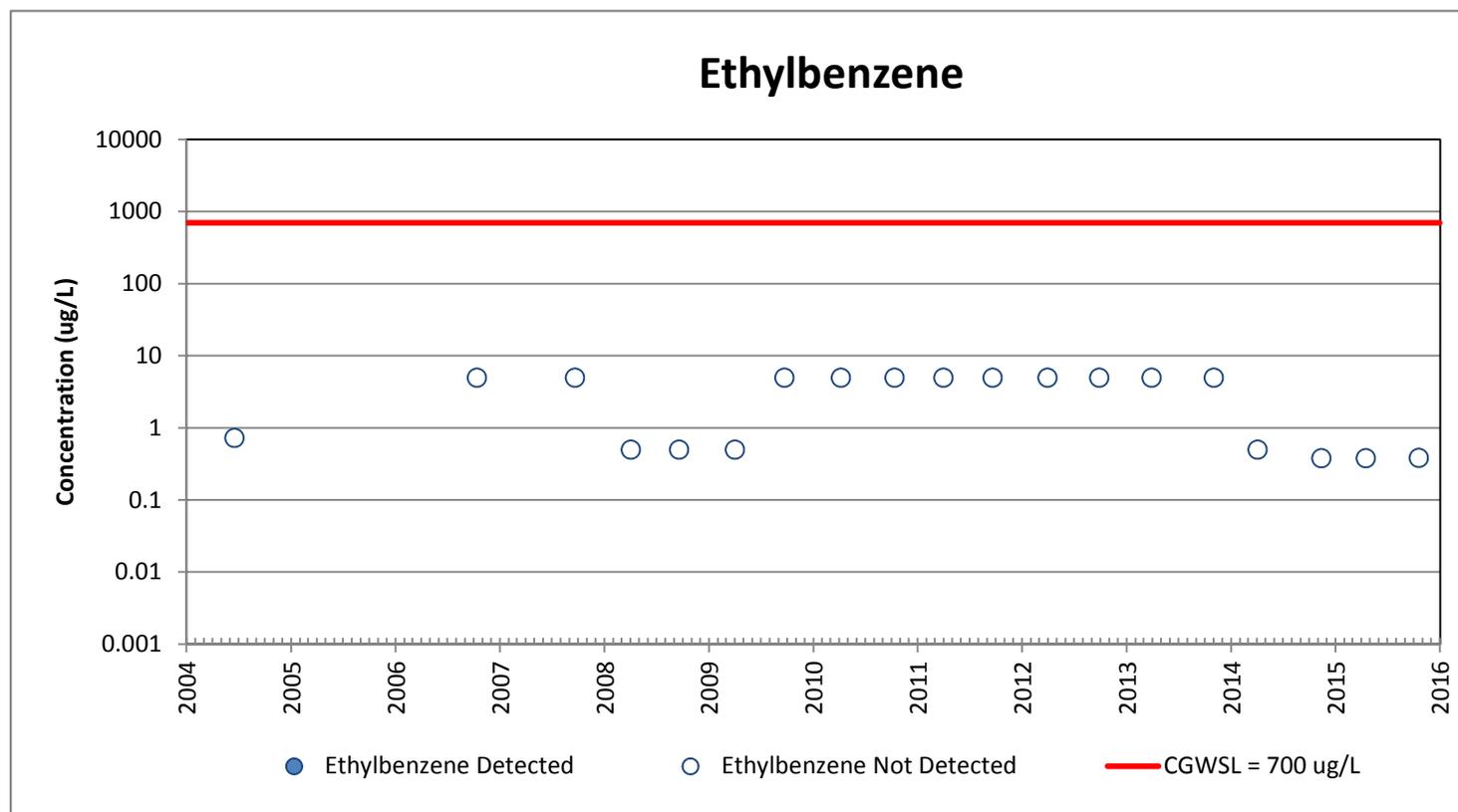
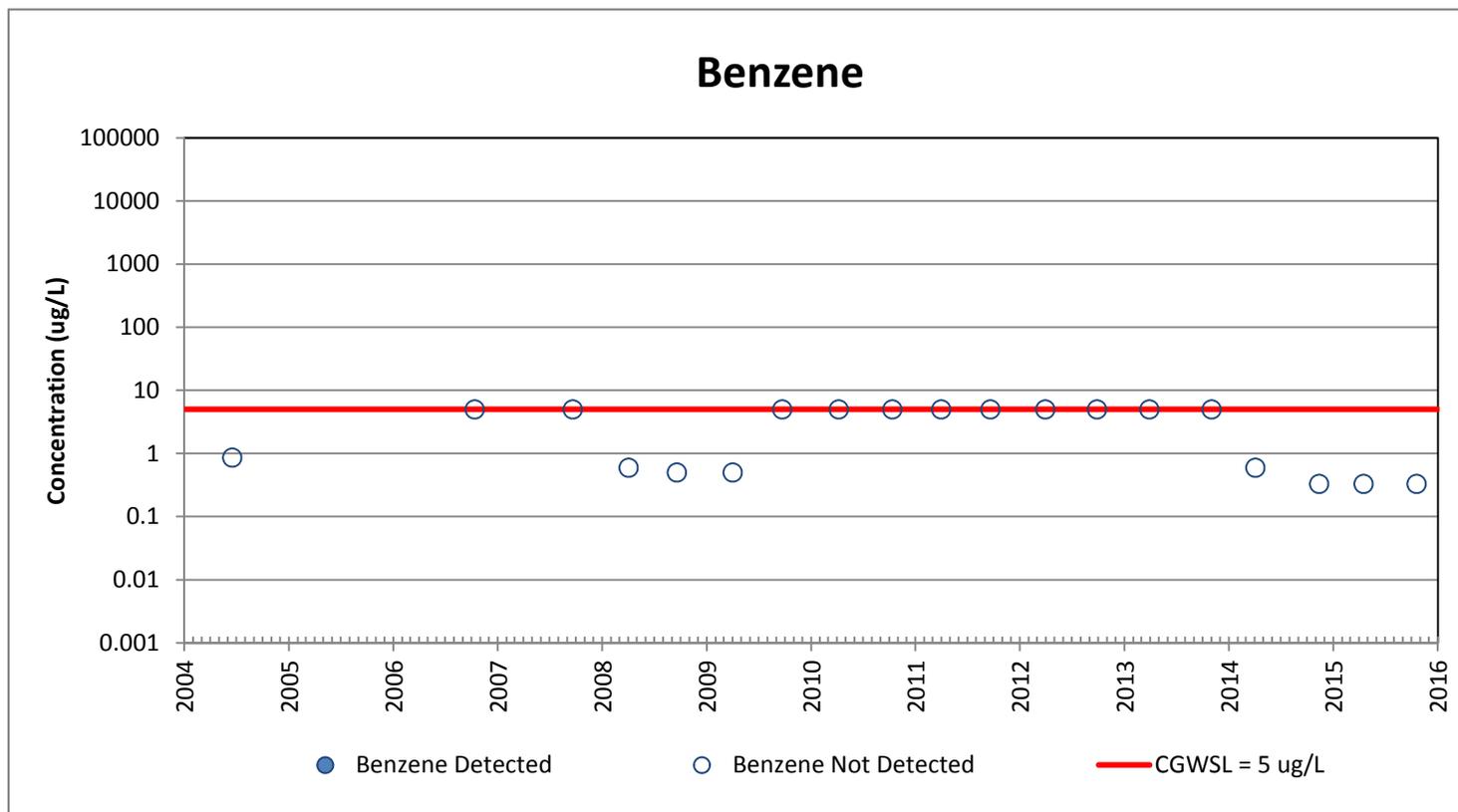
## GRO



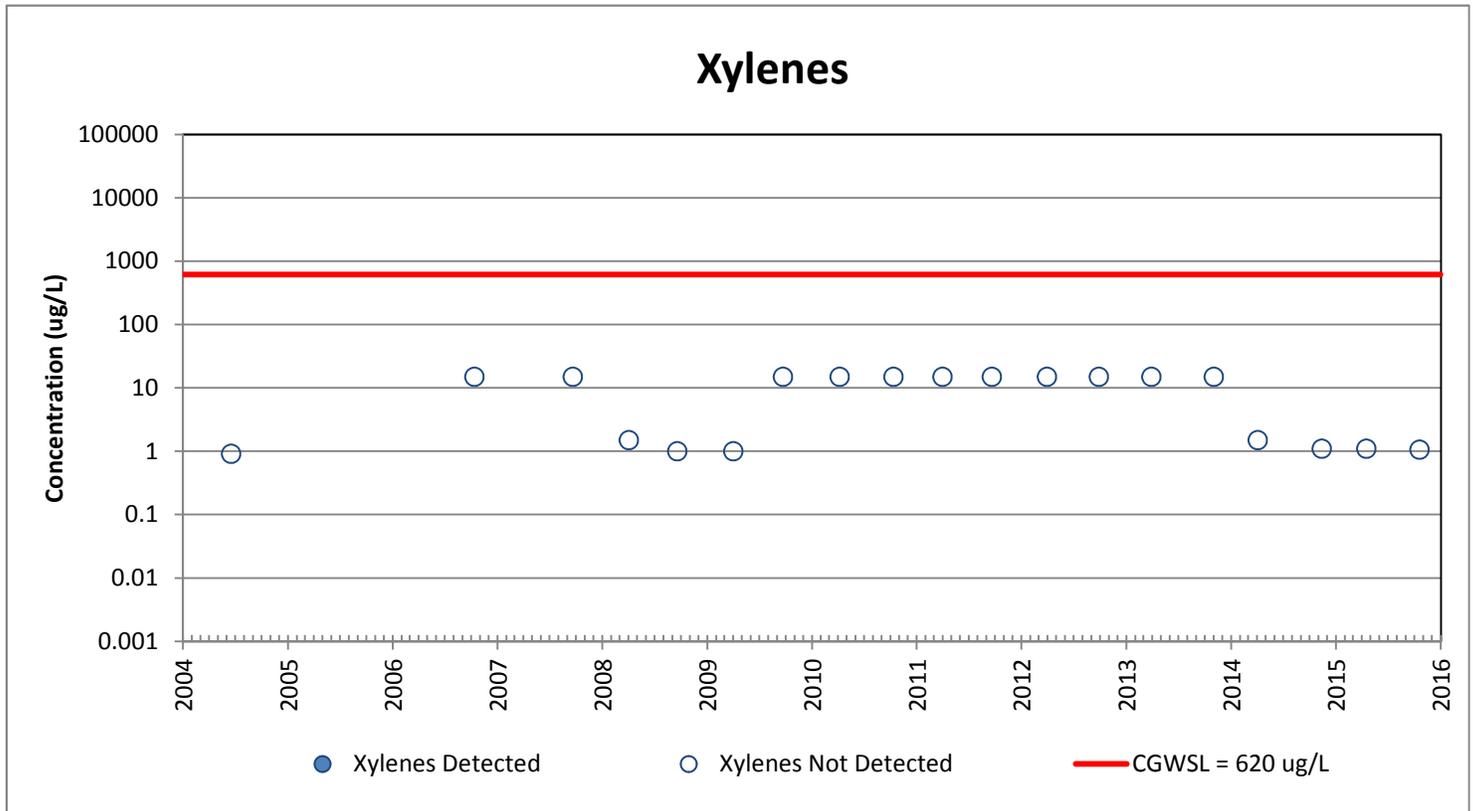
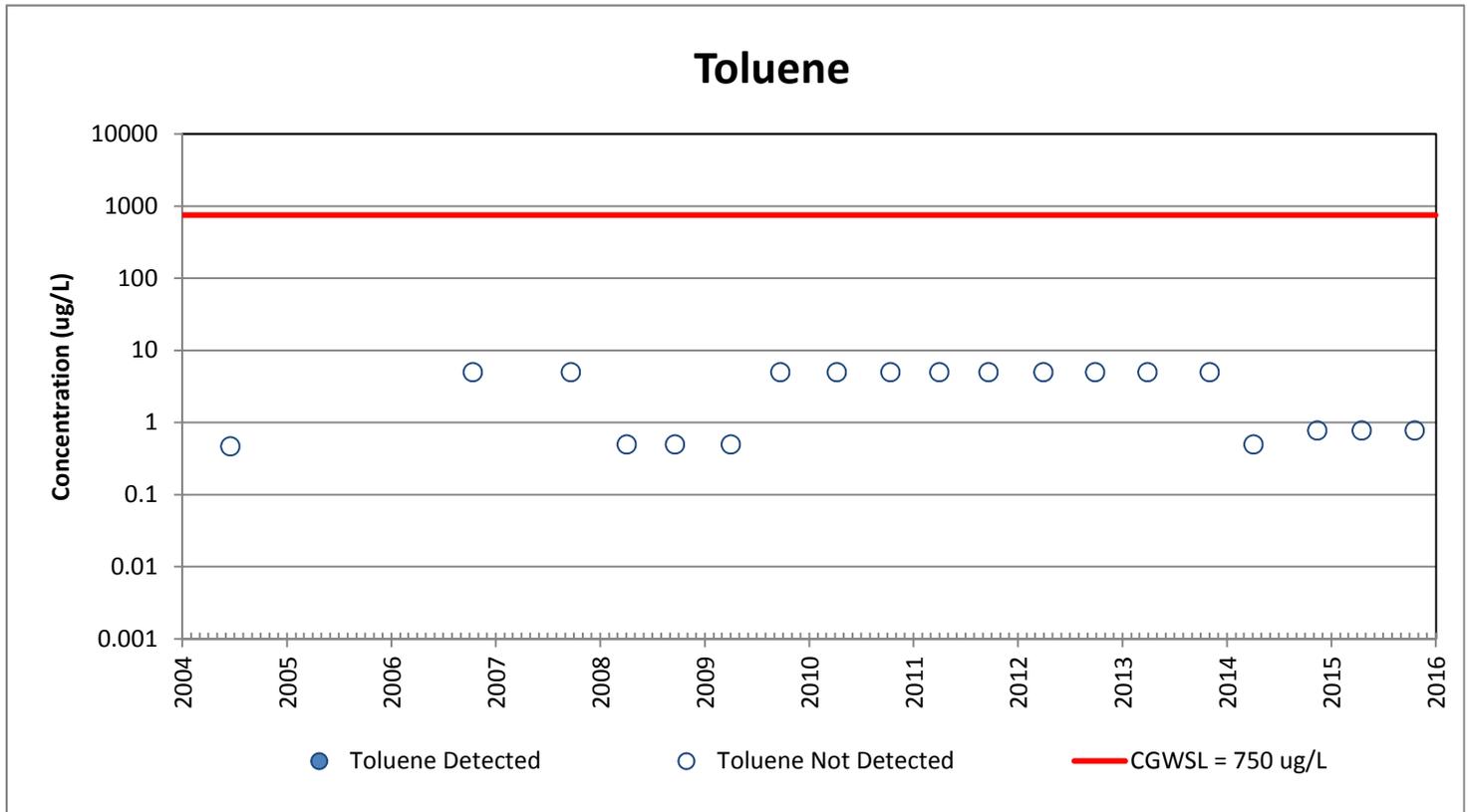
## DRO



# OCD-6

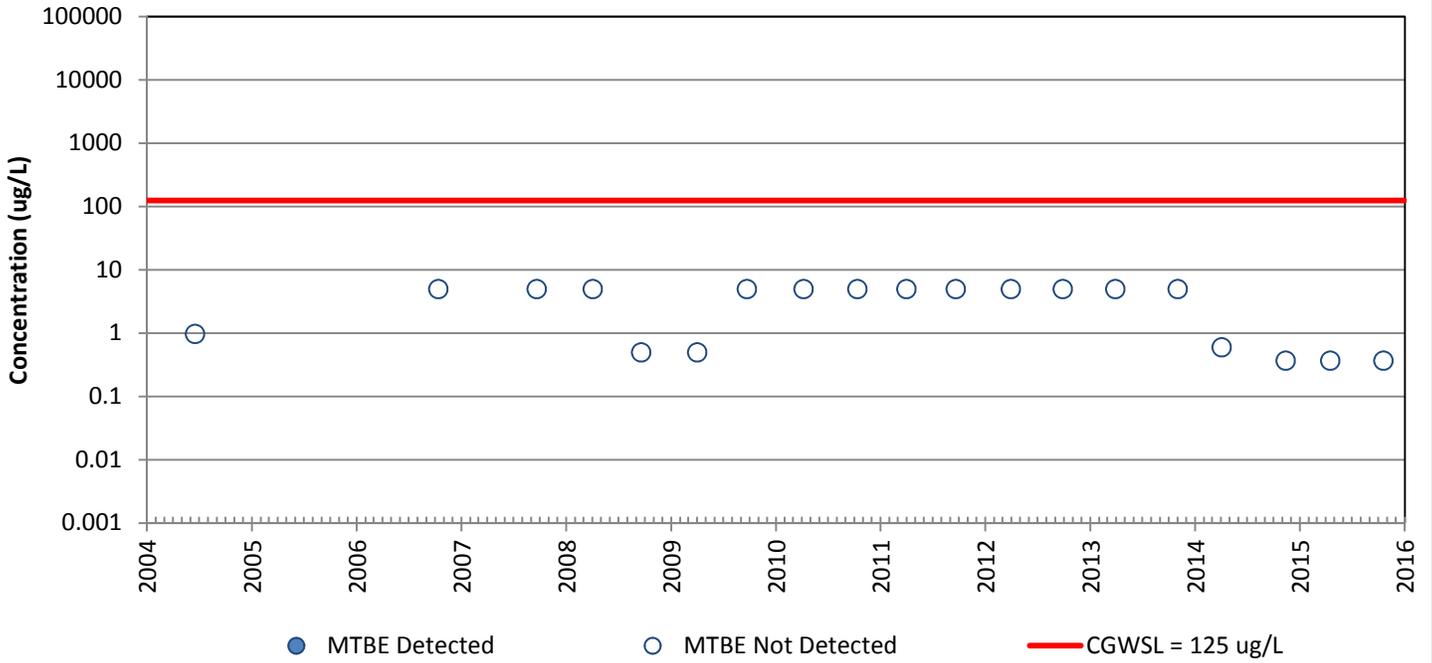


# OCD-6

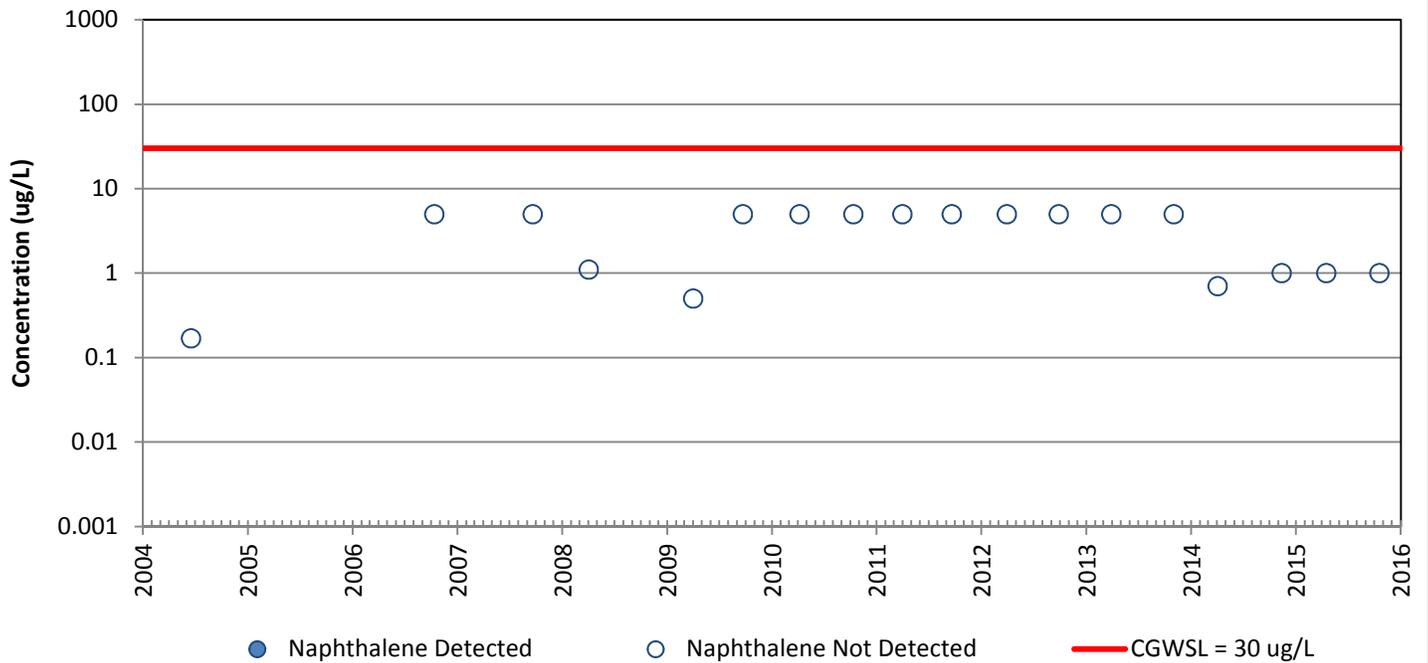


# OCD-6

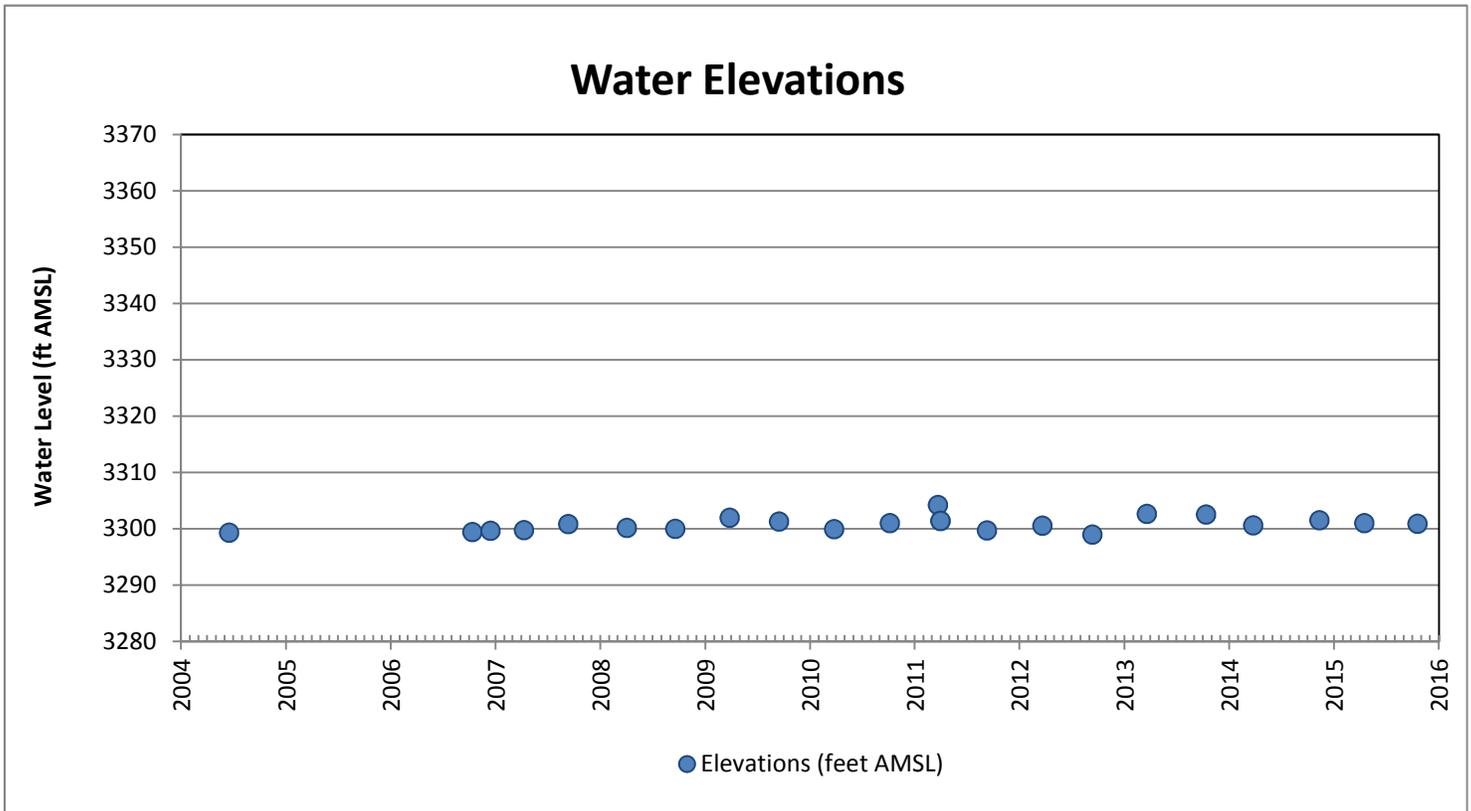
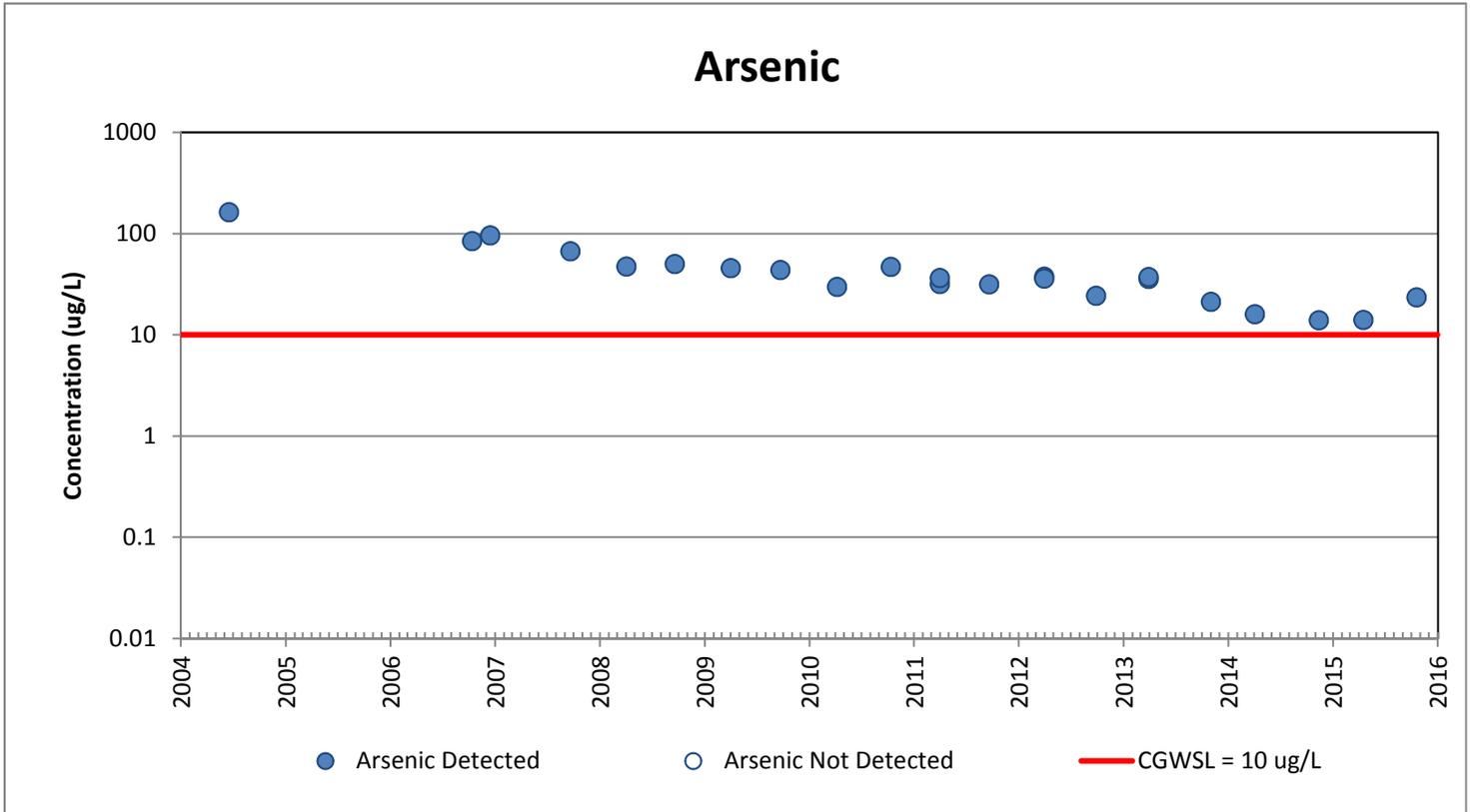
## MTBE



## Naphthalene

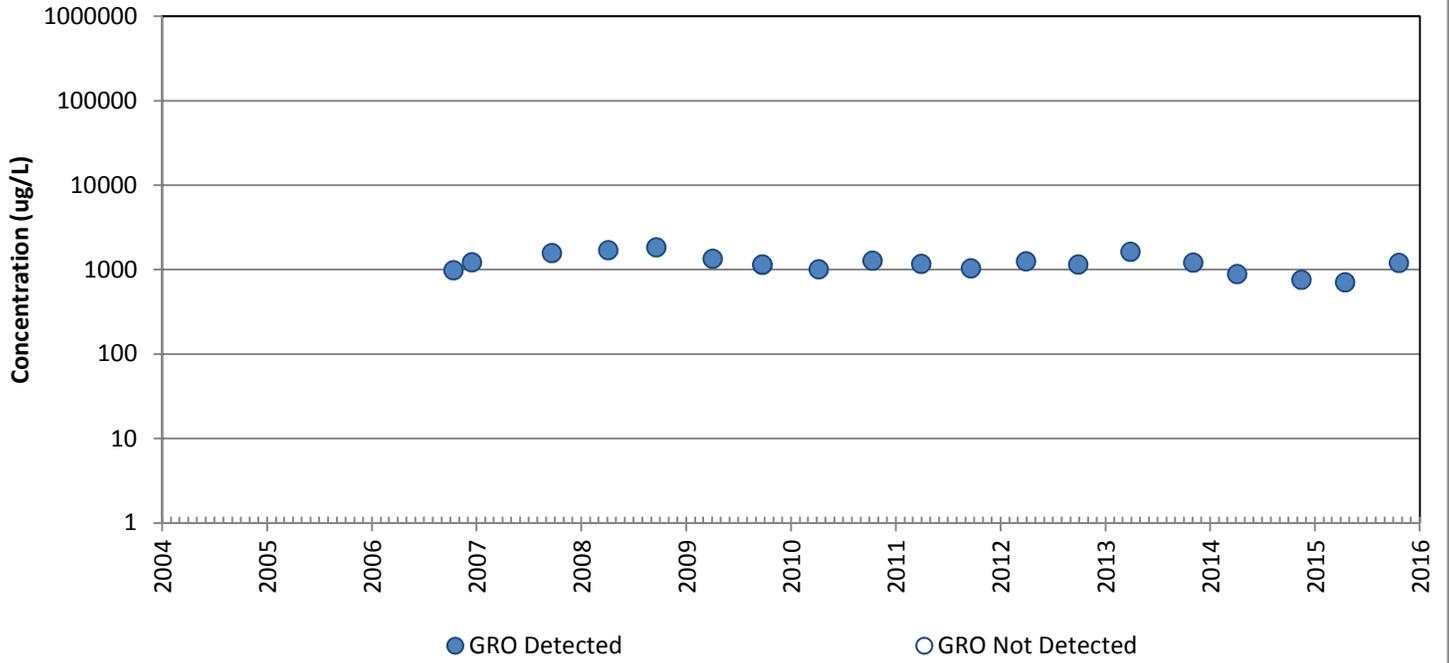


# OCD-6

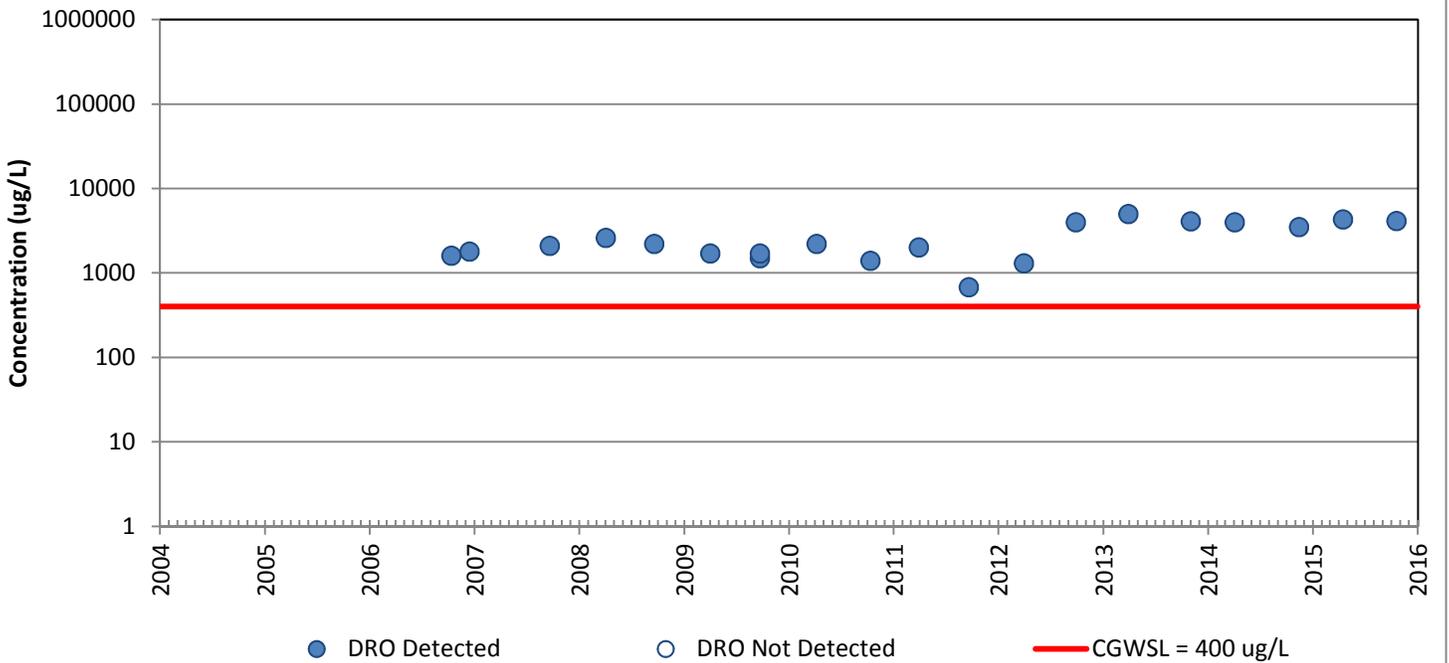


# OCD-7A & OCD7AR

## GRO

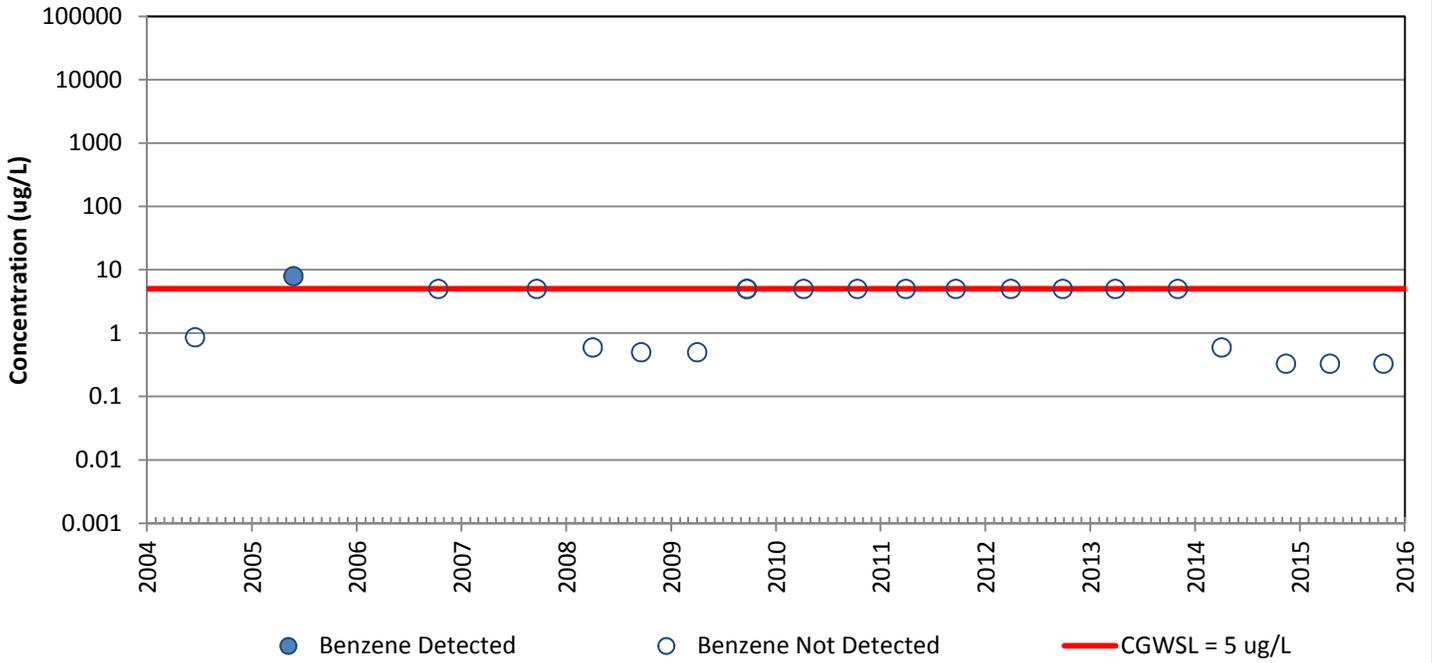


## DRO

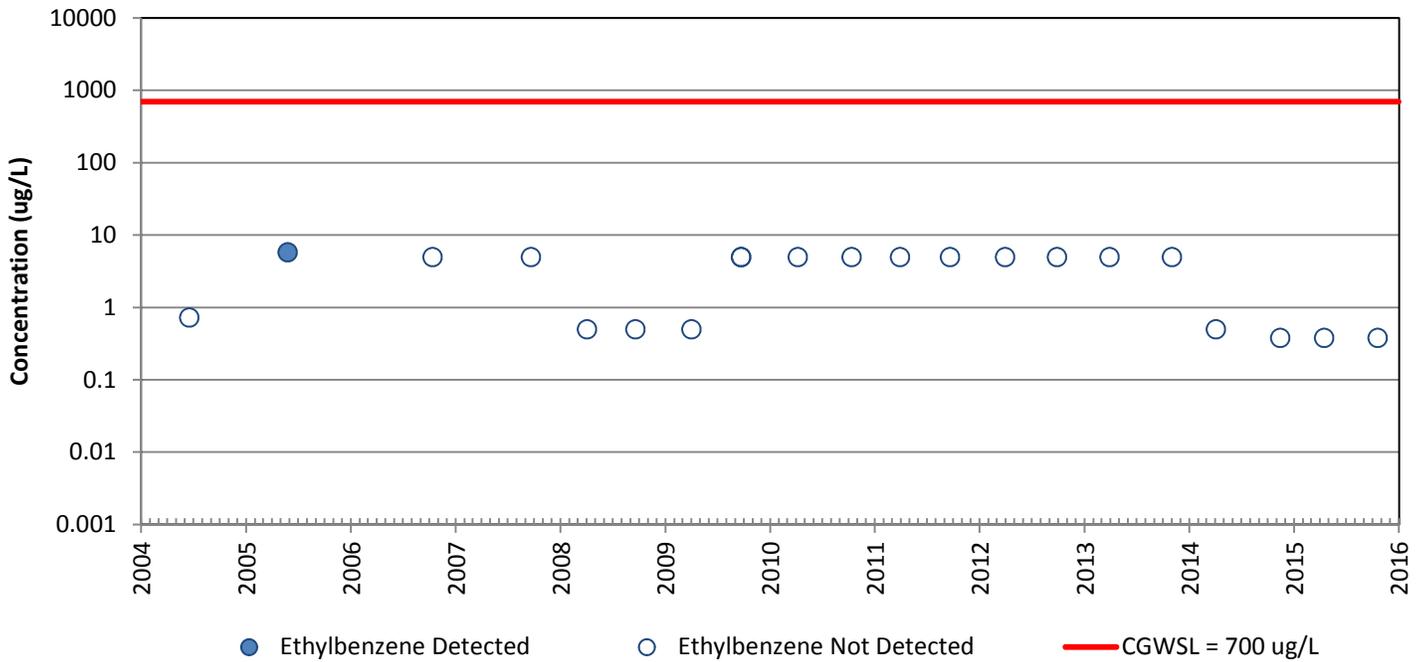


# OCD-7A & OCD7AR

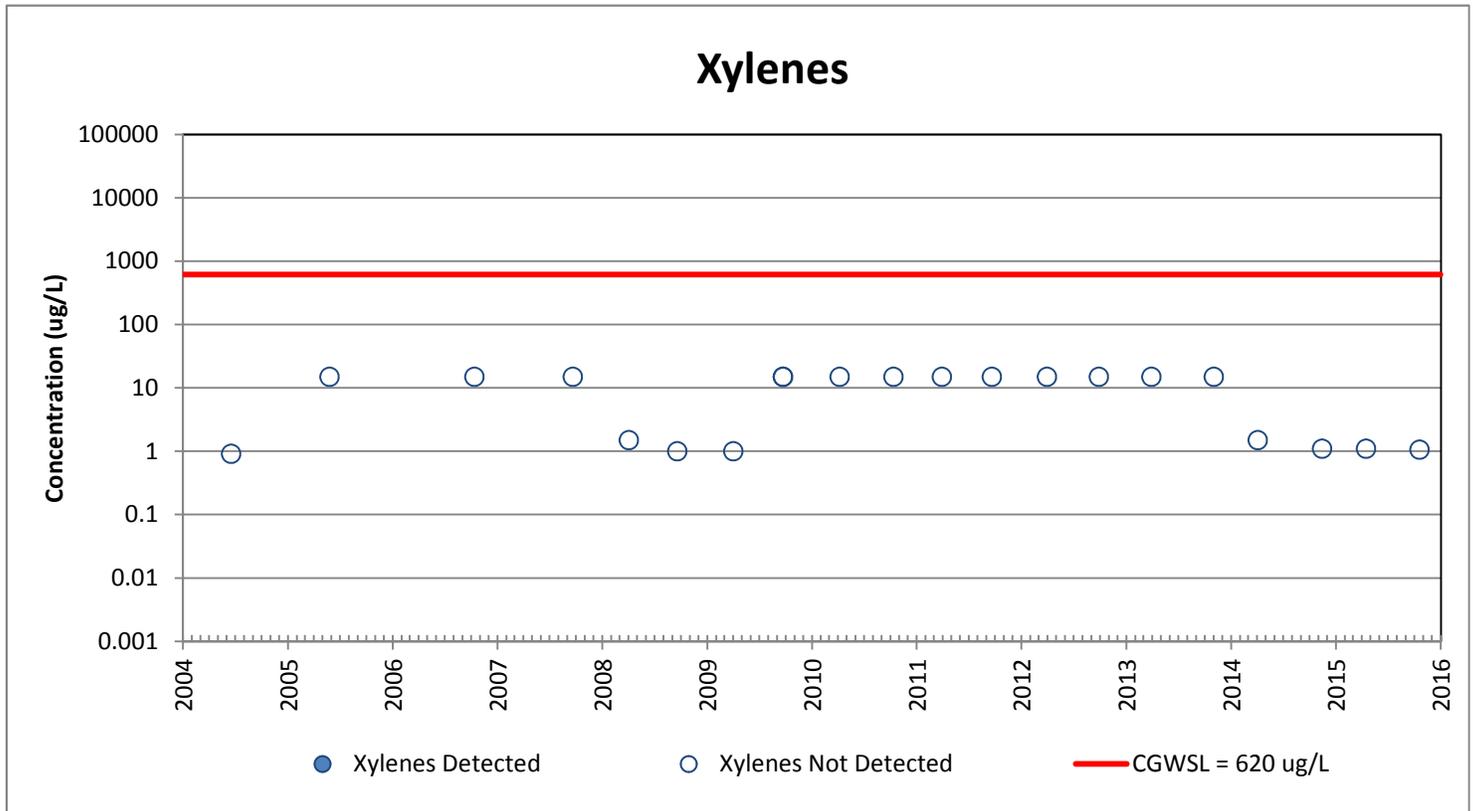
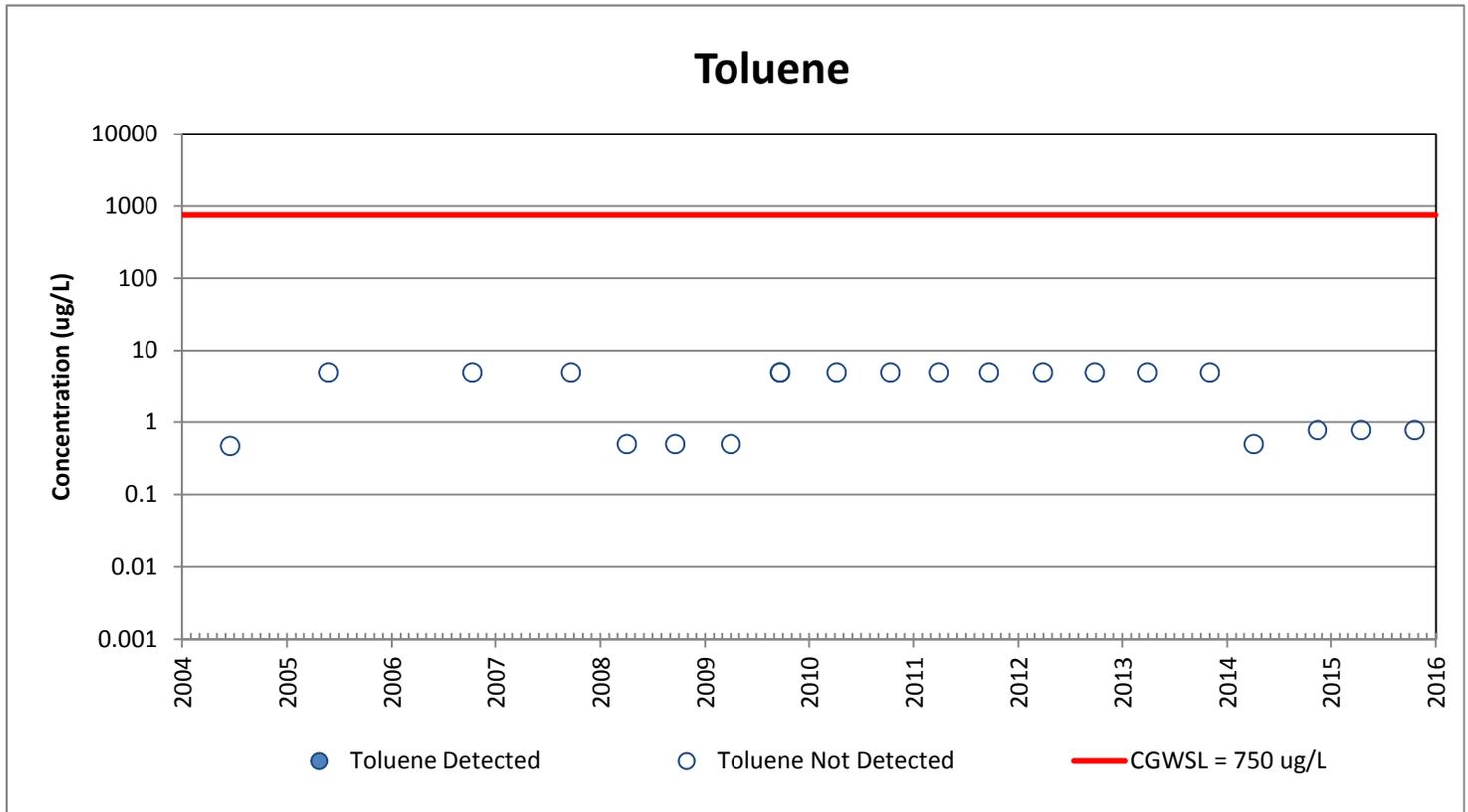
## Benzene



## Ethylbenzene

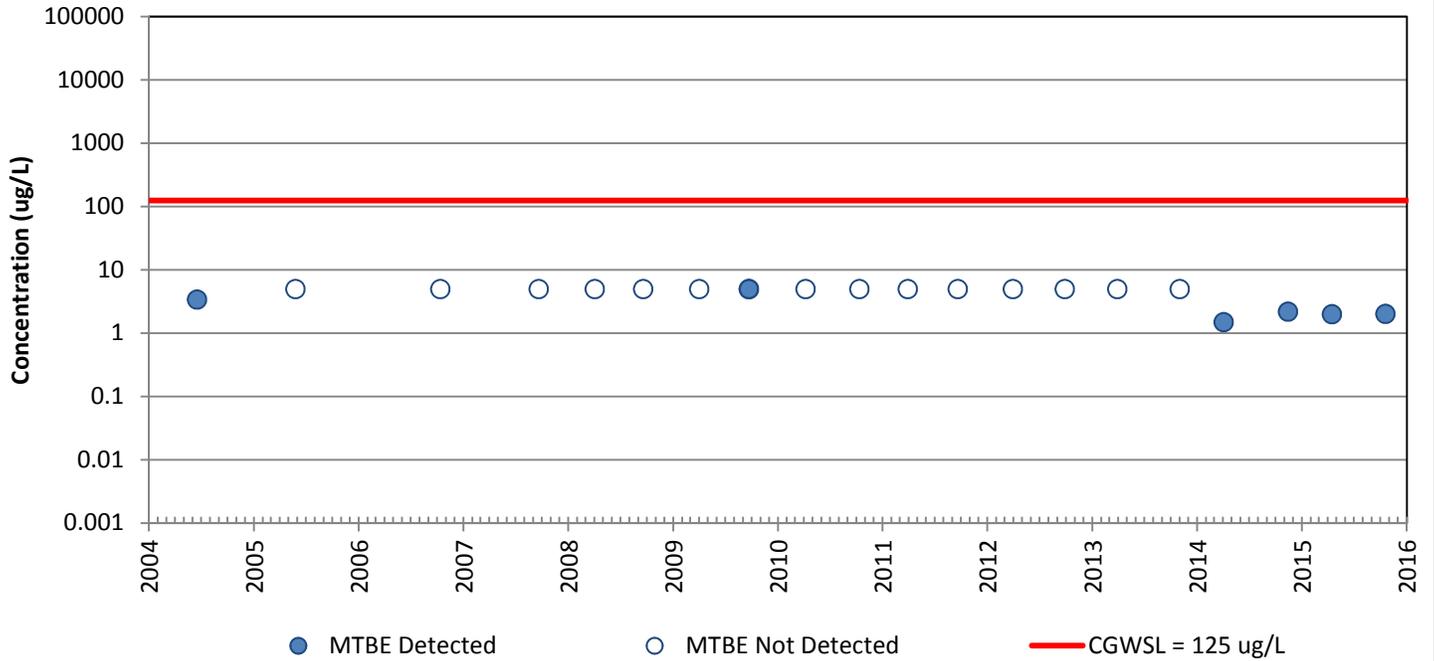


# OCD-7A & OCD7AR

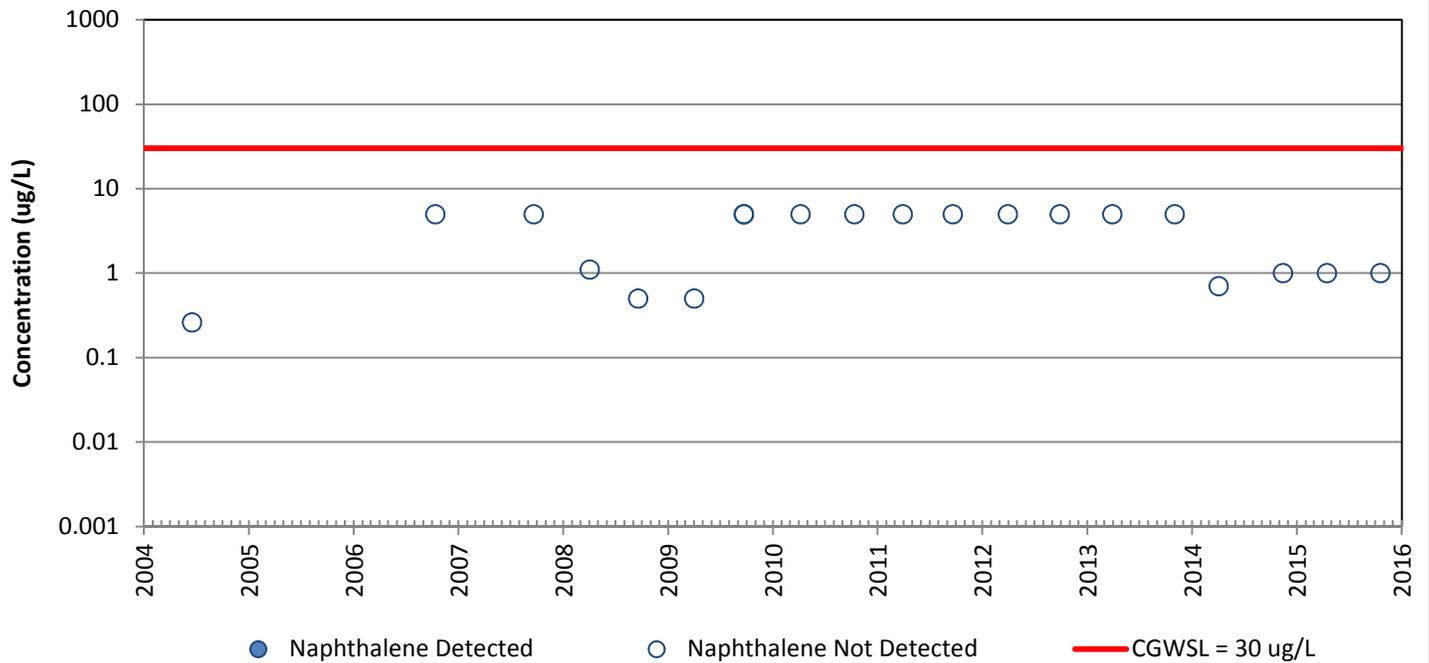


# OCD-7A & OCD7AR

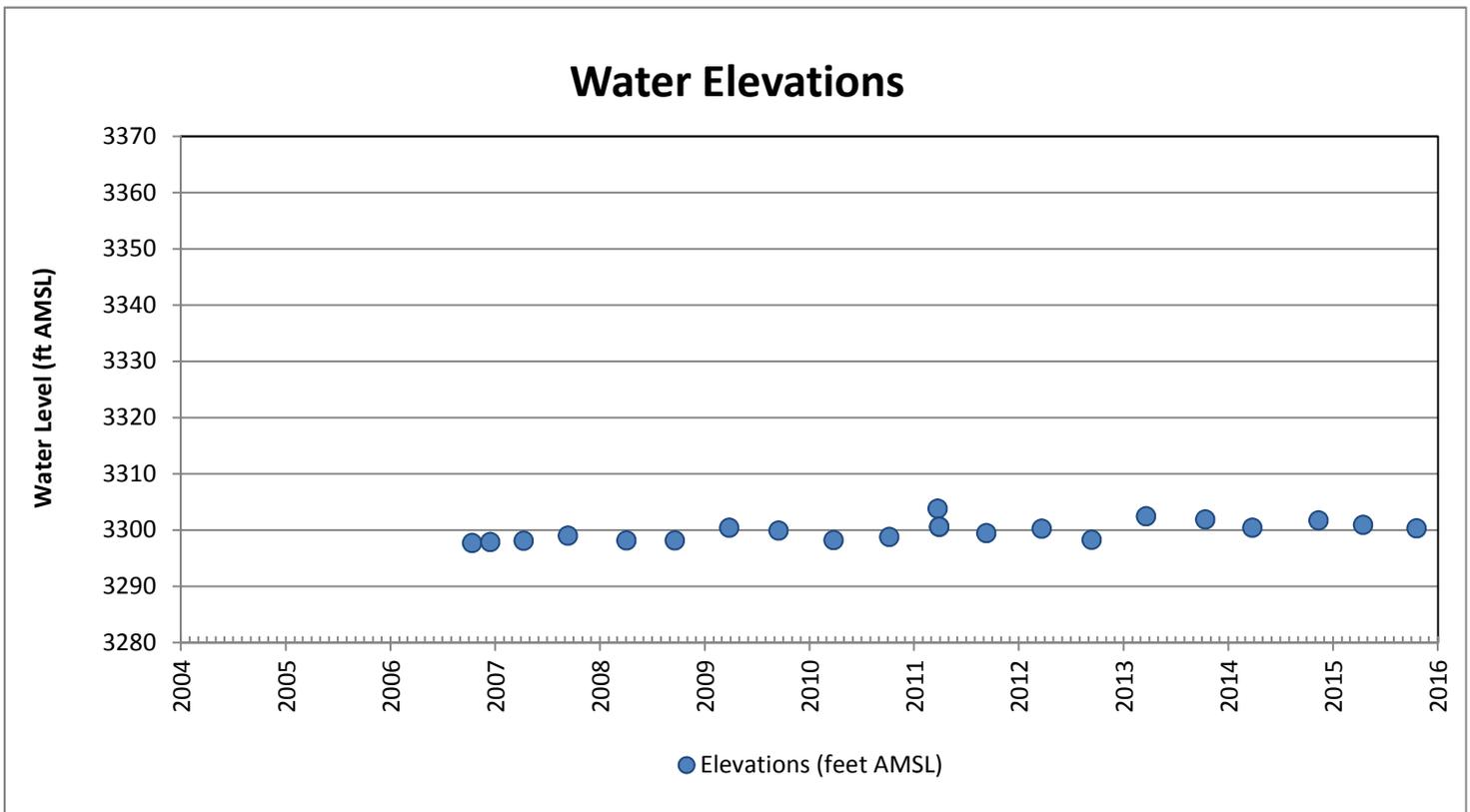
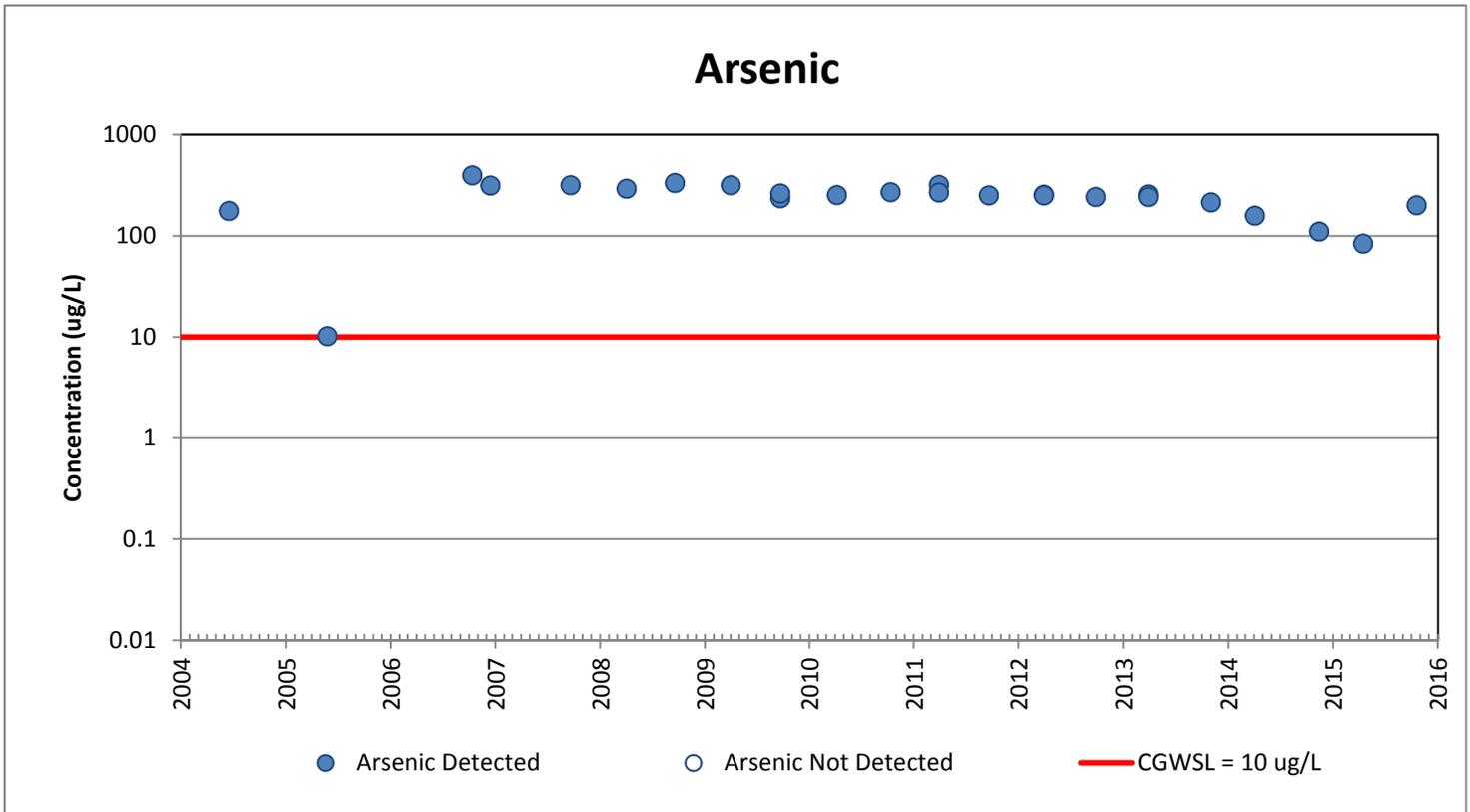
## MTBE



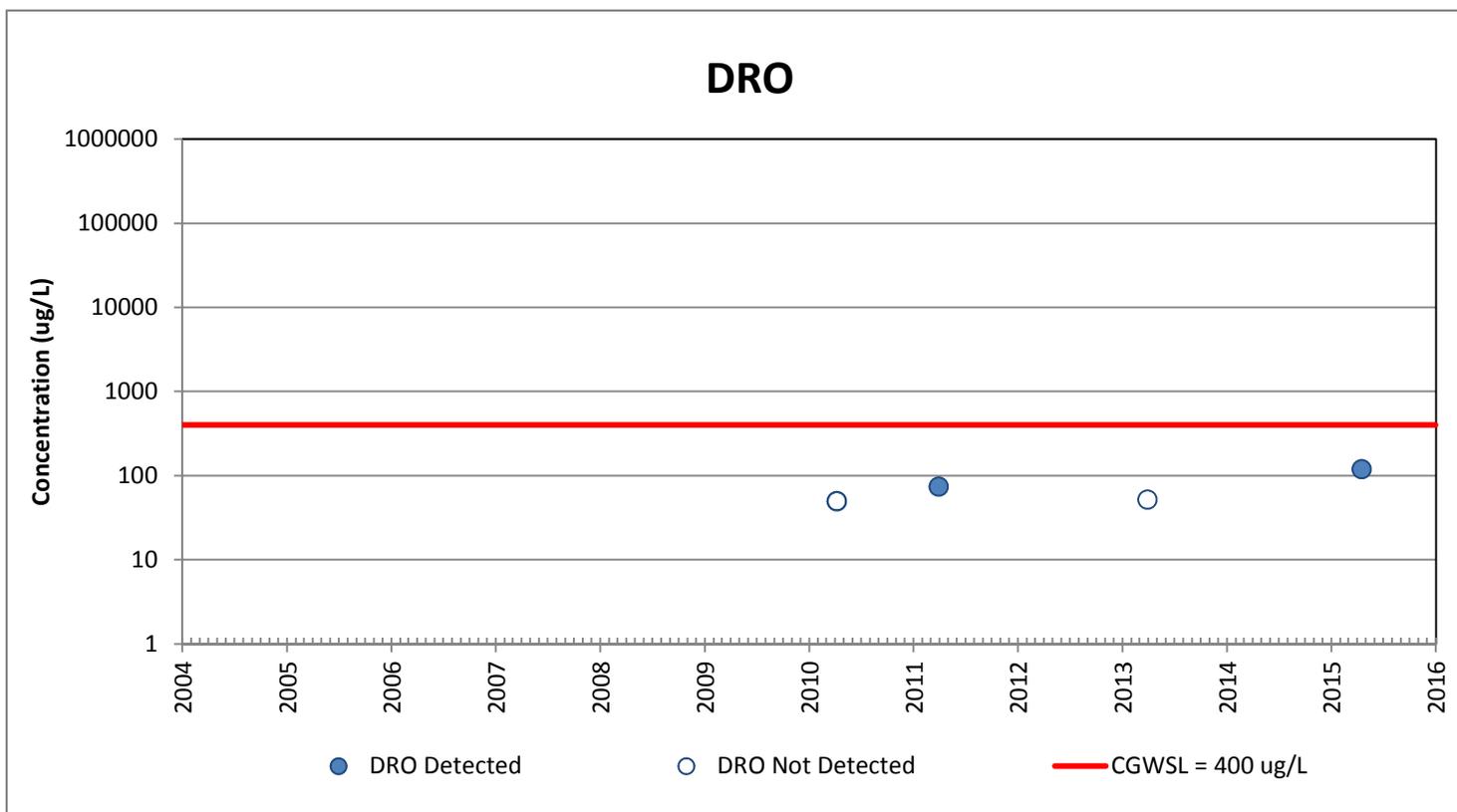
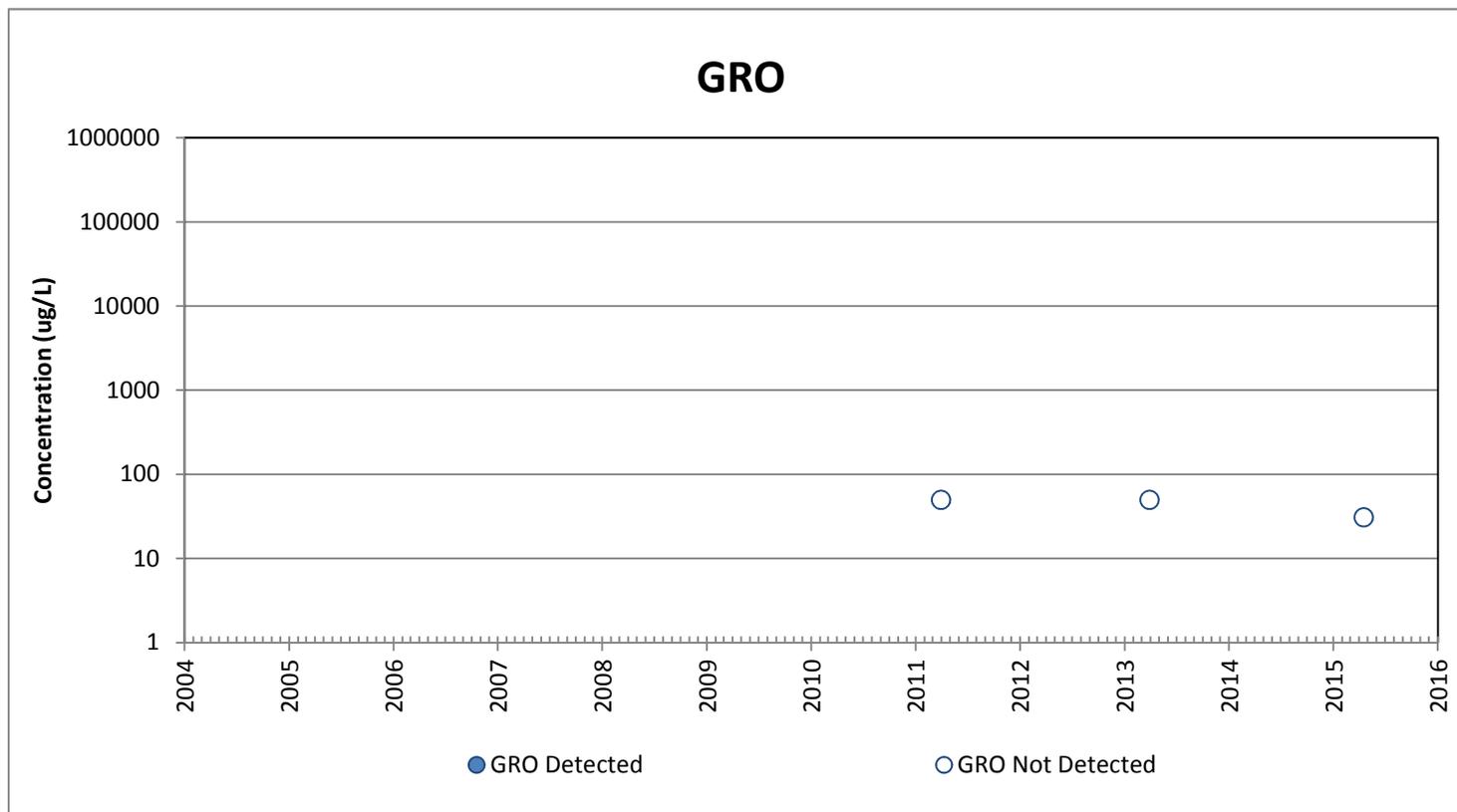
## Naphthalene



# OCD-7A & OCD7AR



# OCD-7B

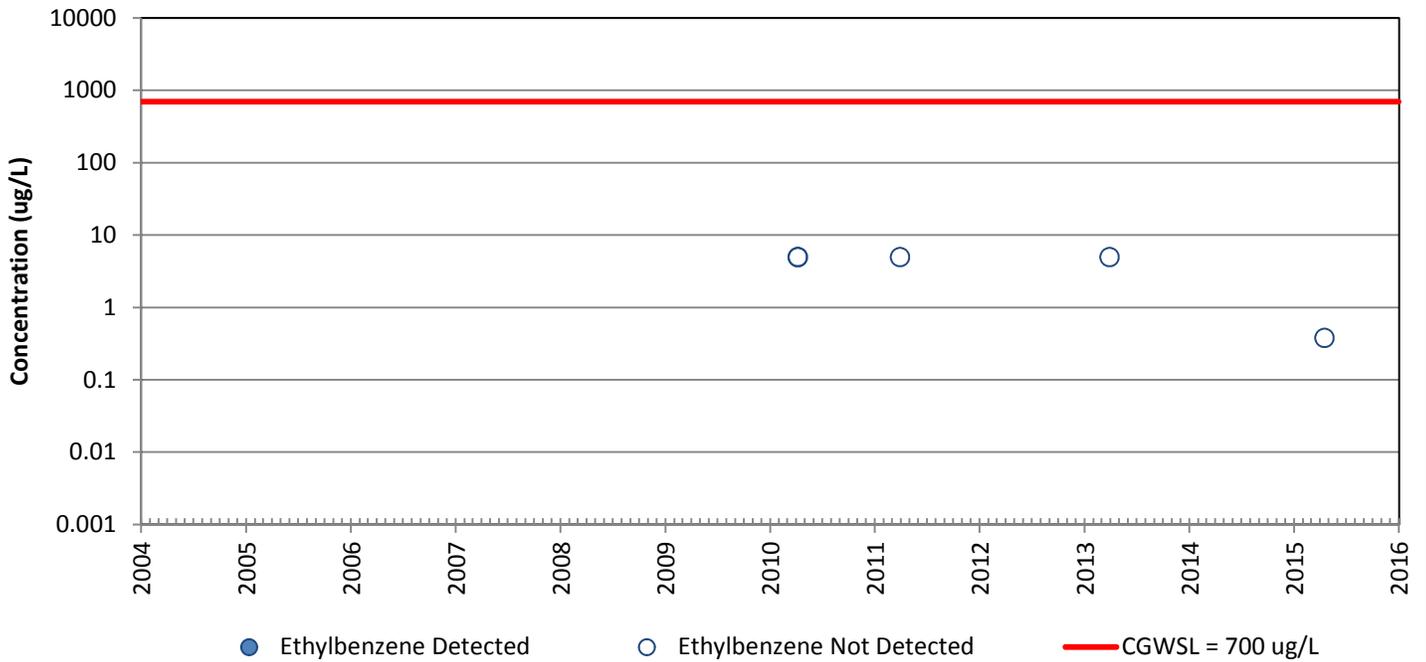


# OCD-7B

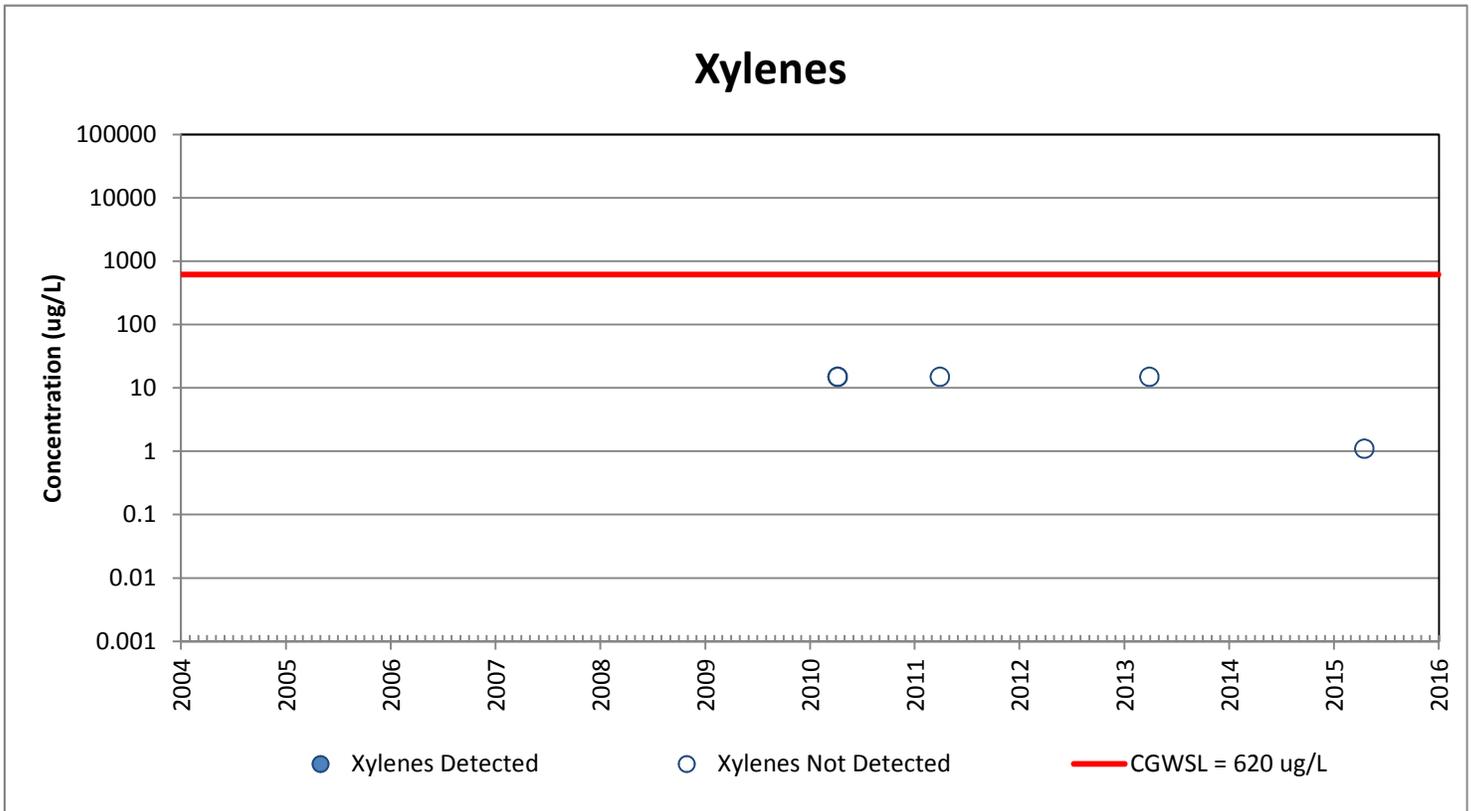
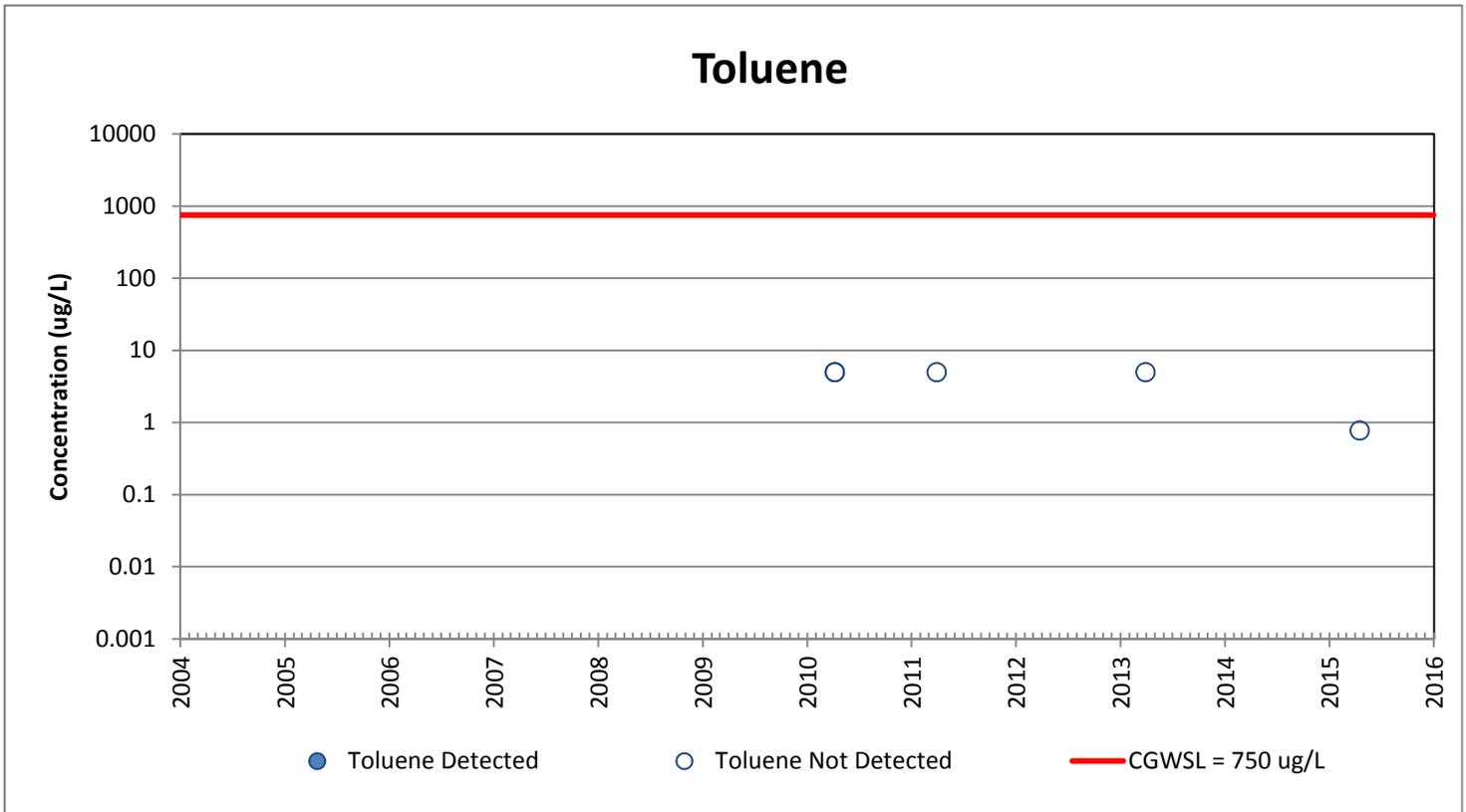
## Benzene



## Ethylbenzene

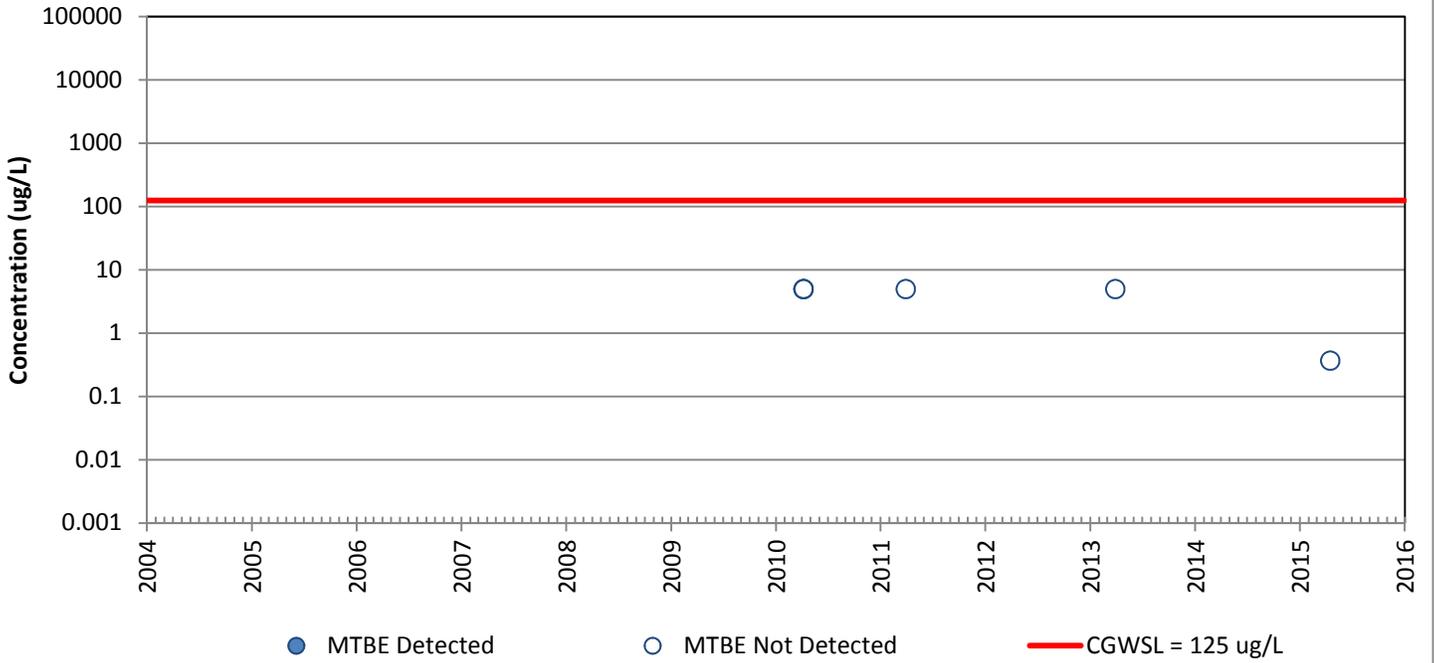


# OCD-7B

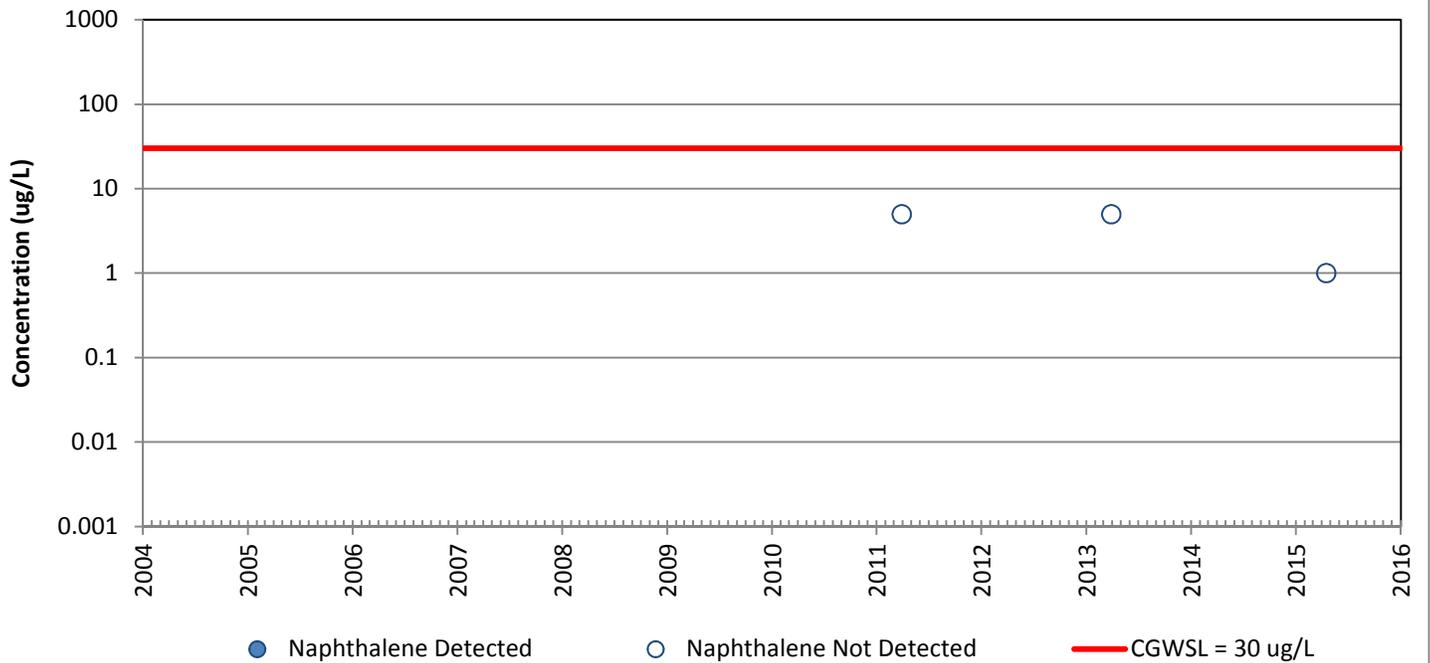


# OCD-7B

## MTBE

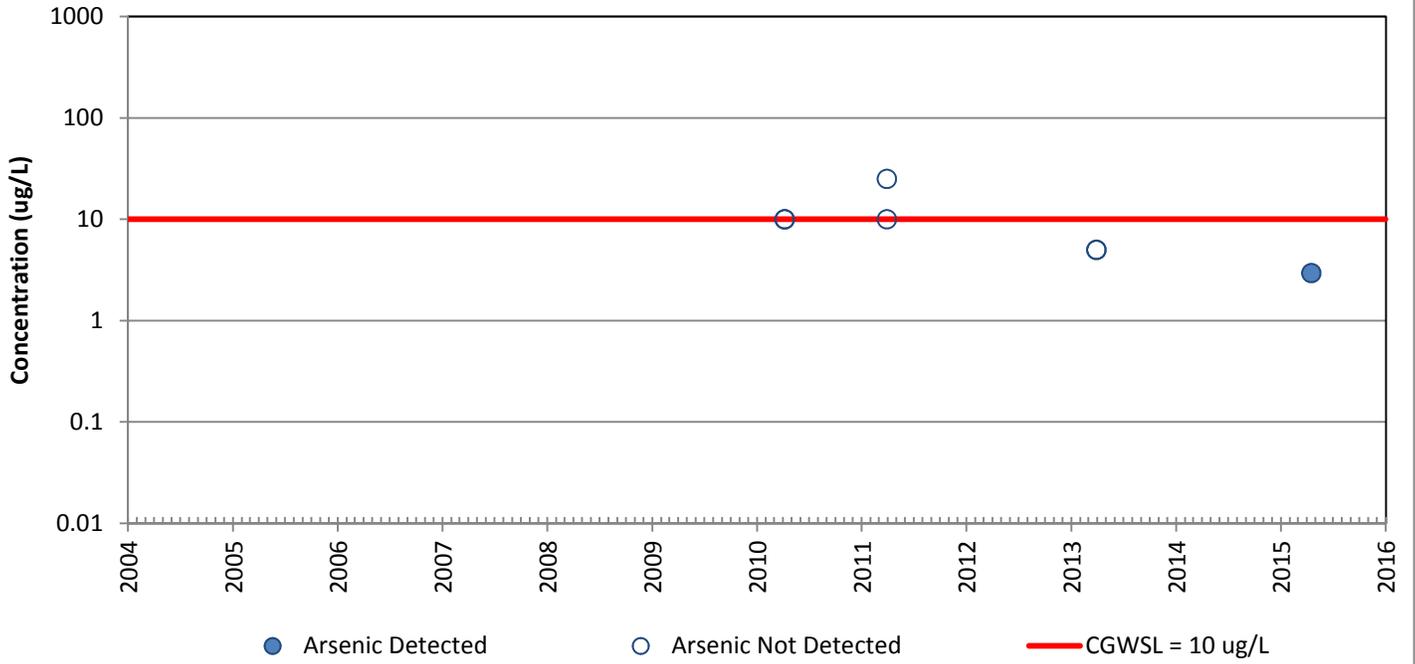


## Naphthalene

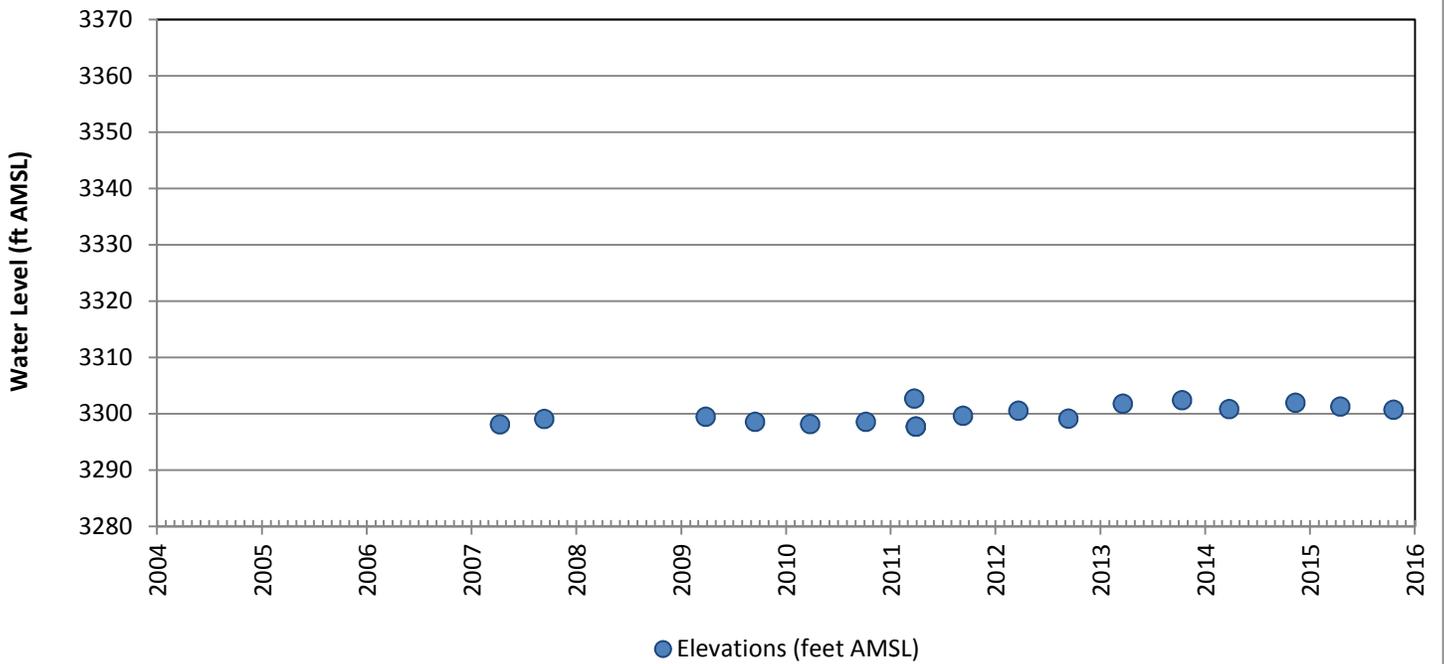


# OCD-7B

## Arsenic

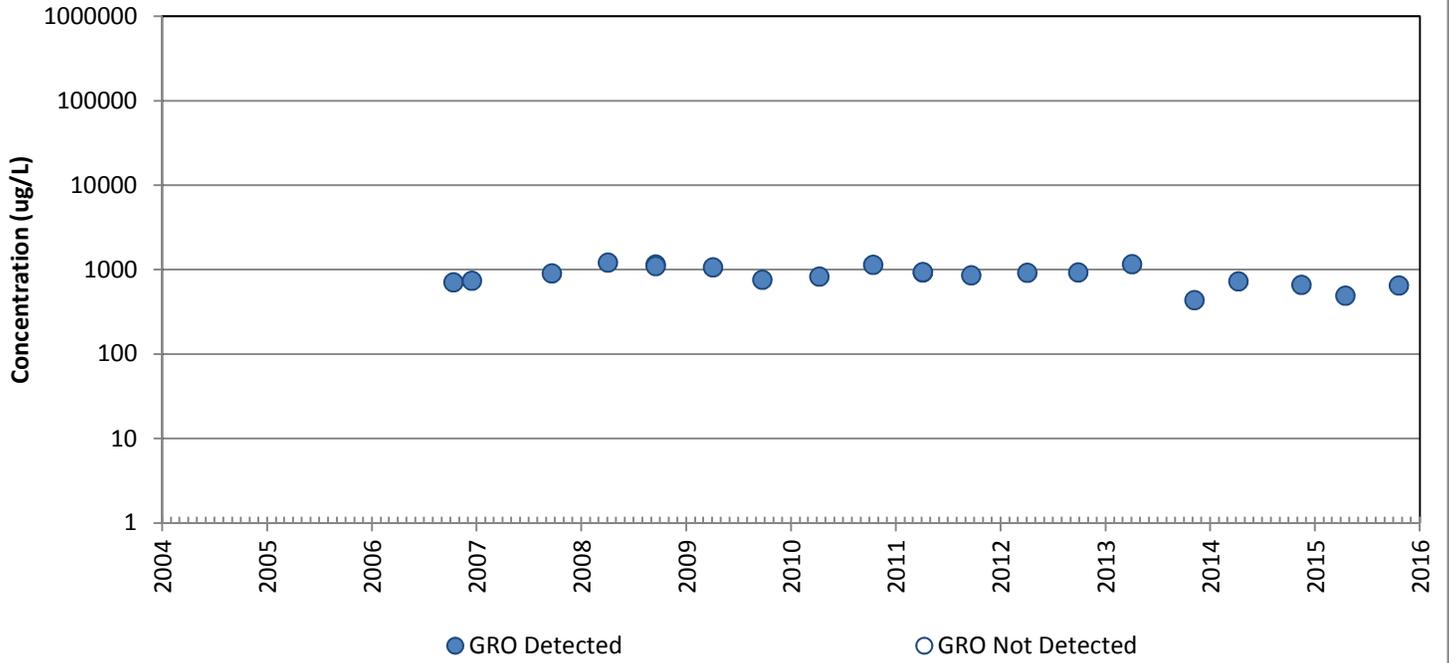


## Water Elevations

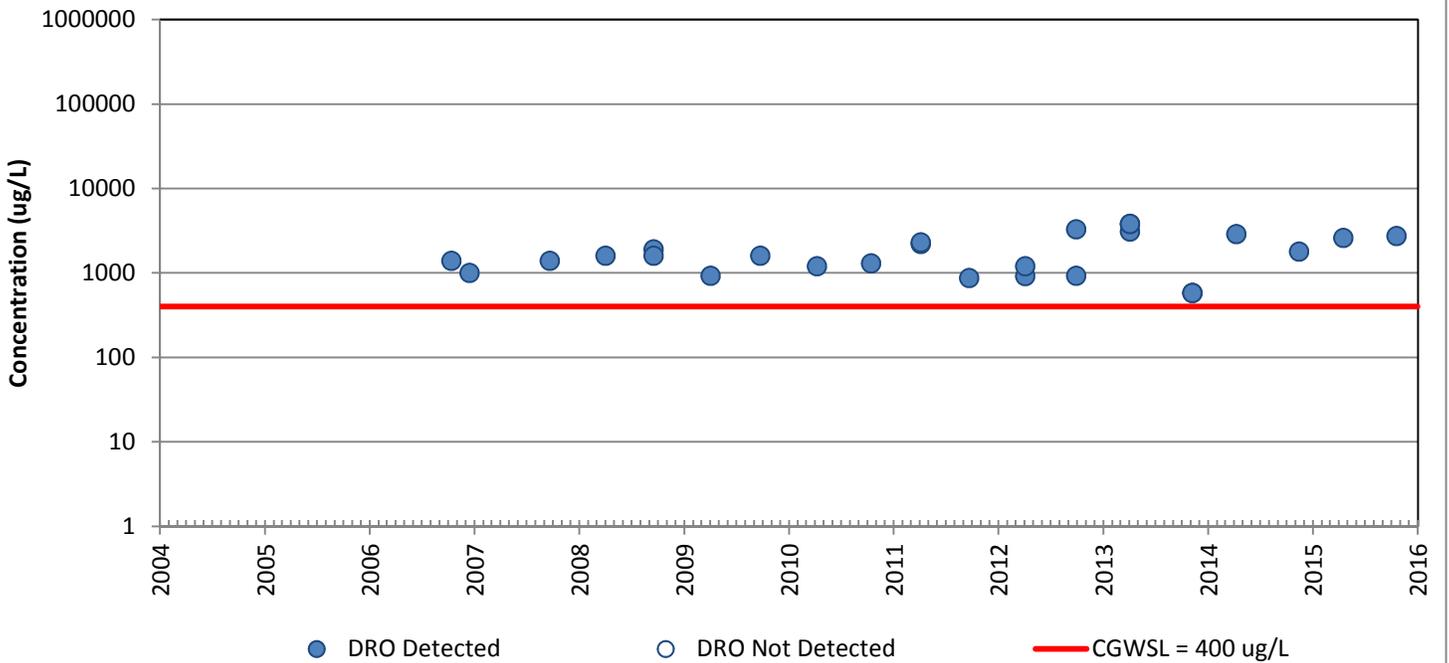


# OCD-8A

## GRO

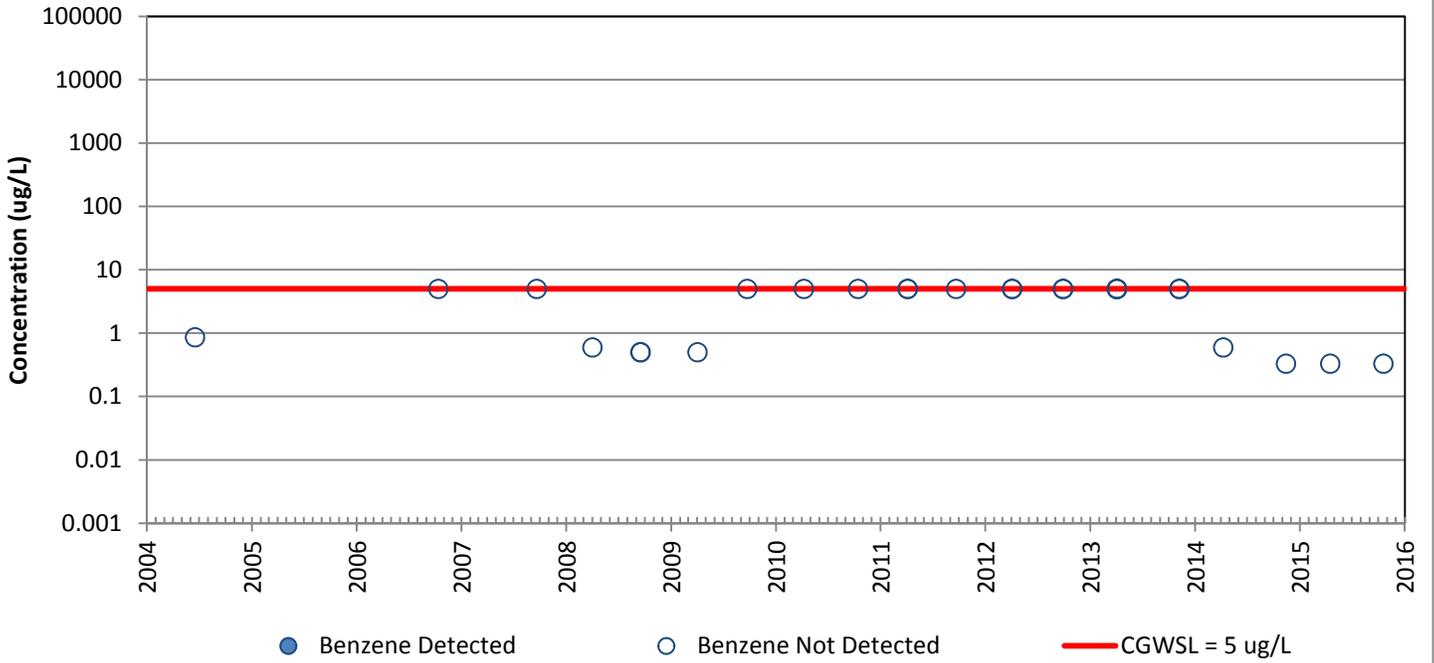


## DRO

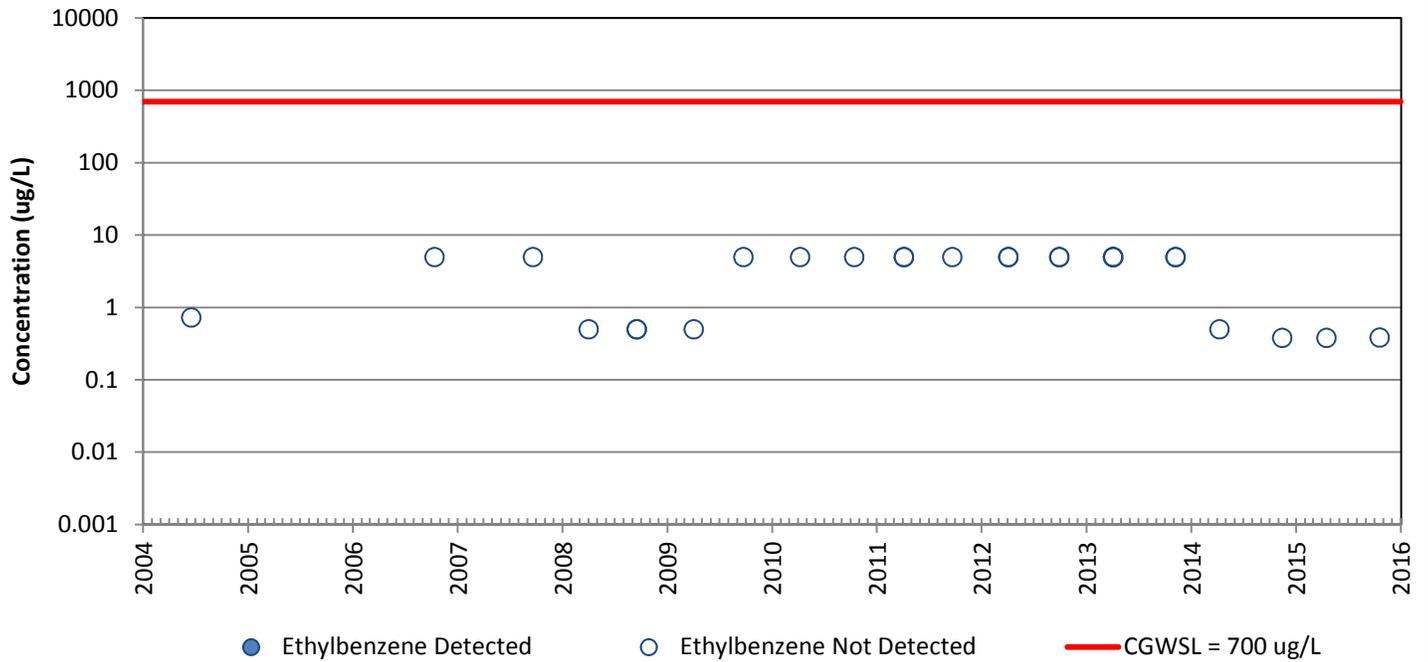


# OCD-8A

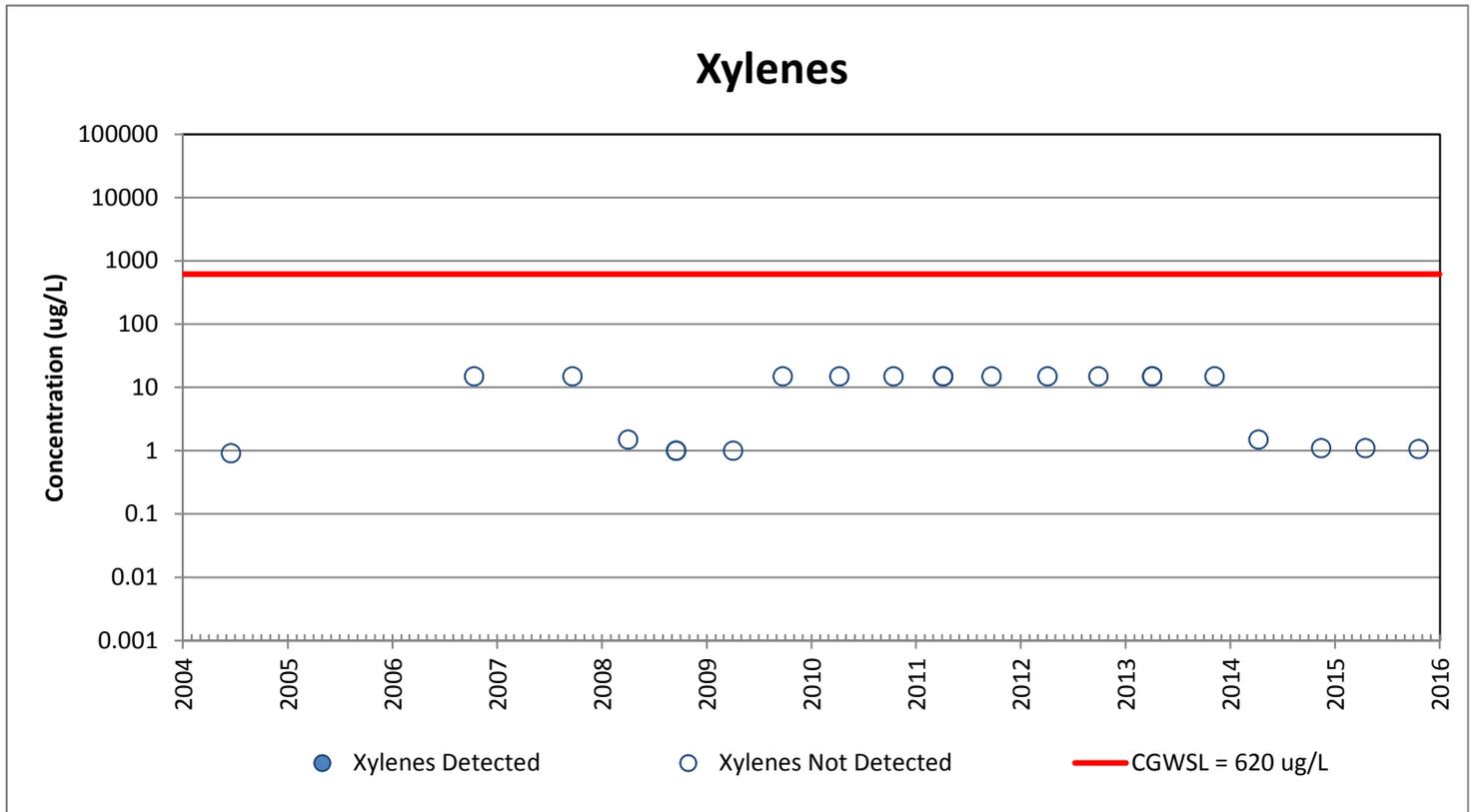
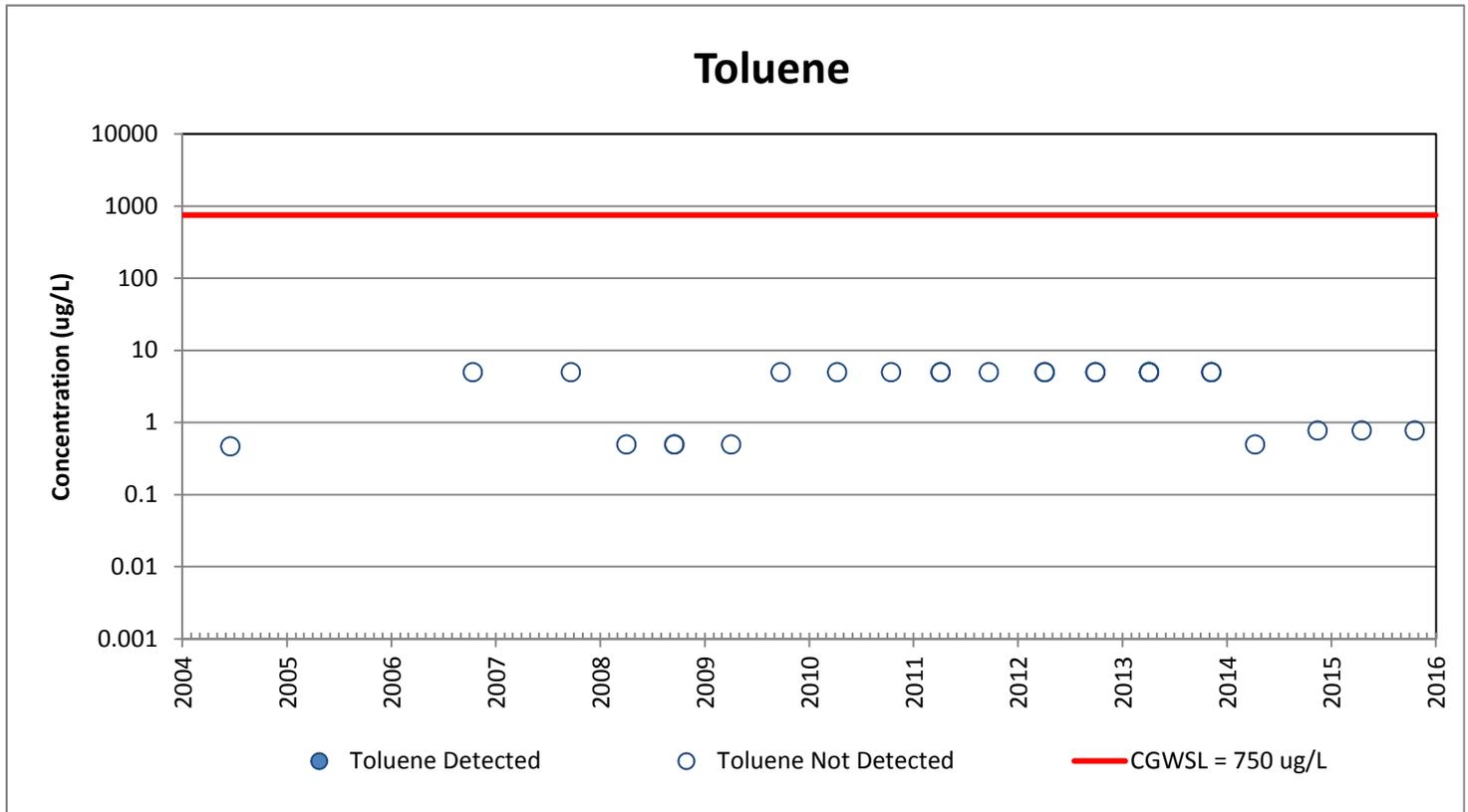
## Benzene



## Ethylbenzene

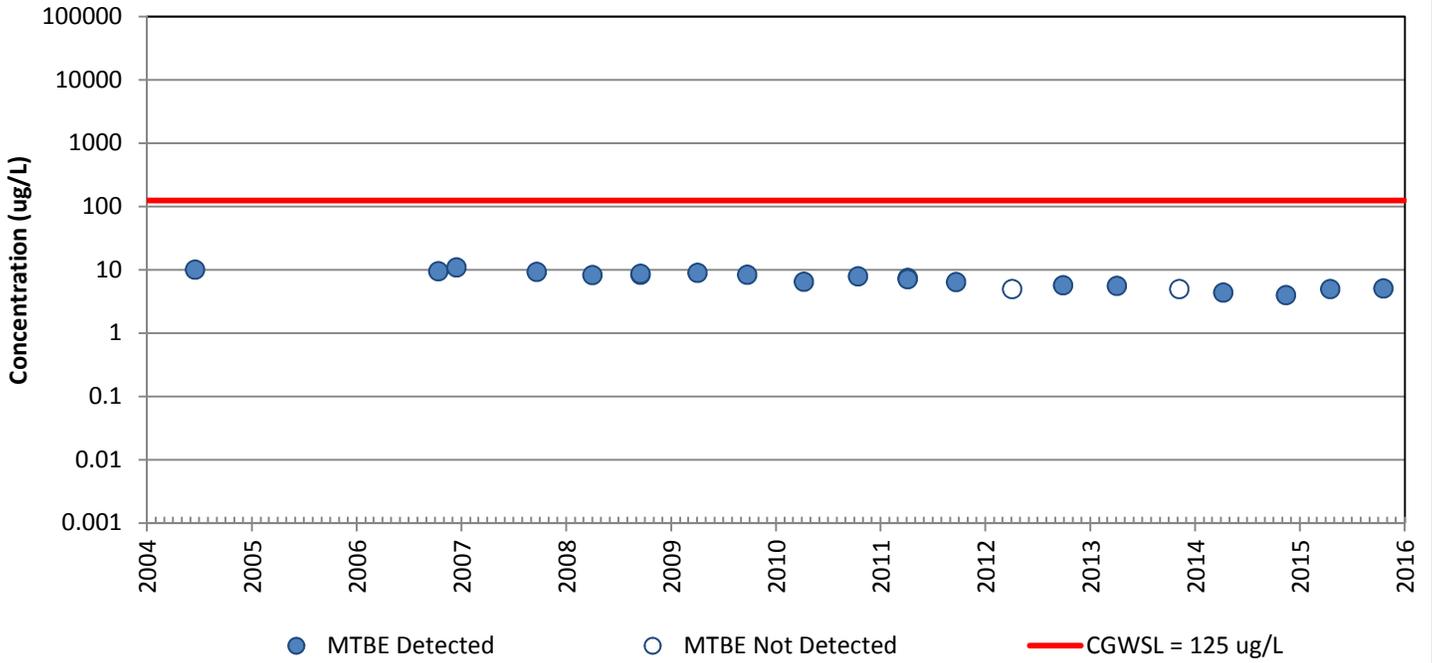


# OCD-8A

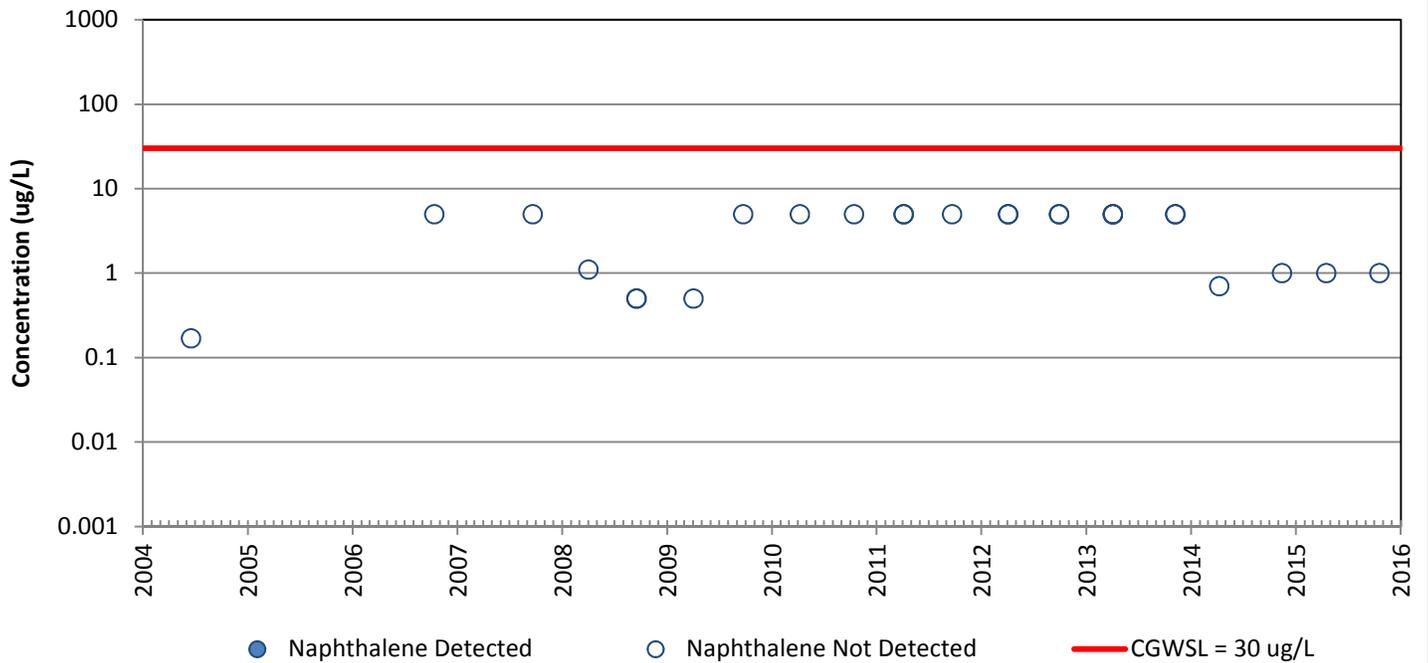


# OCD-8A

## MTBE

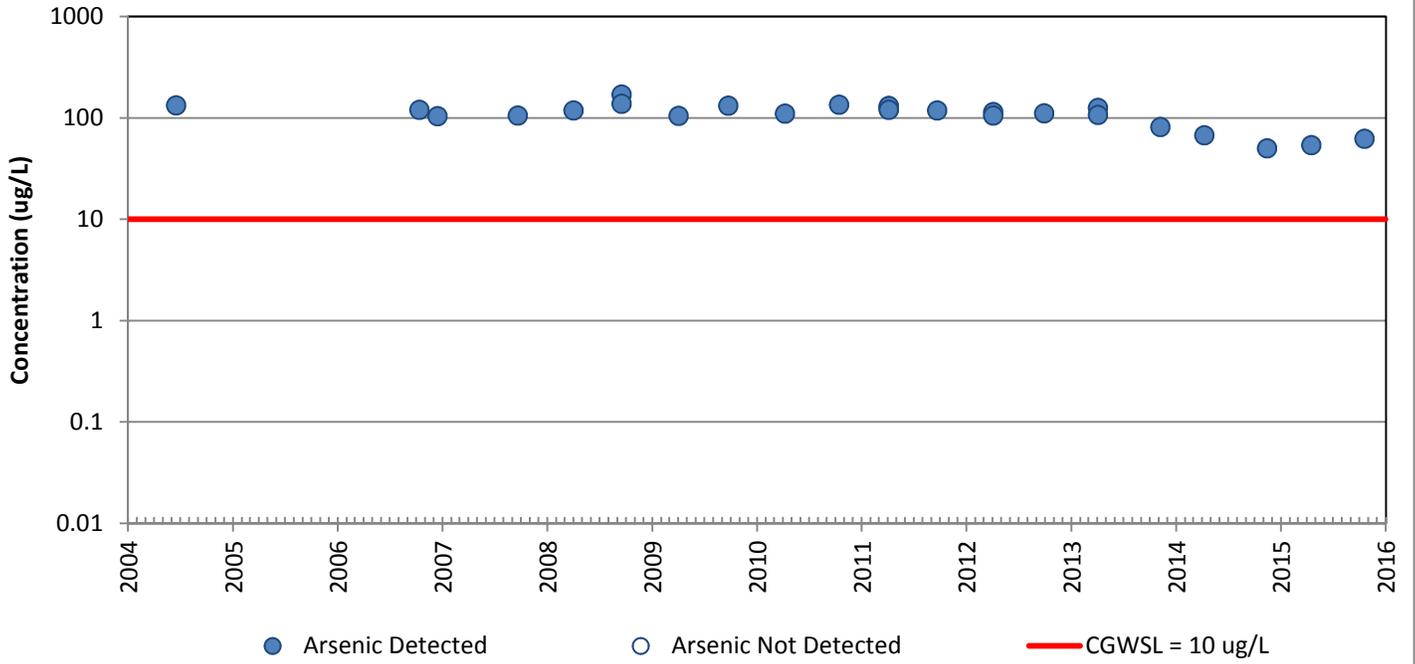


## Naphthalene

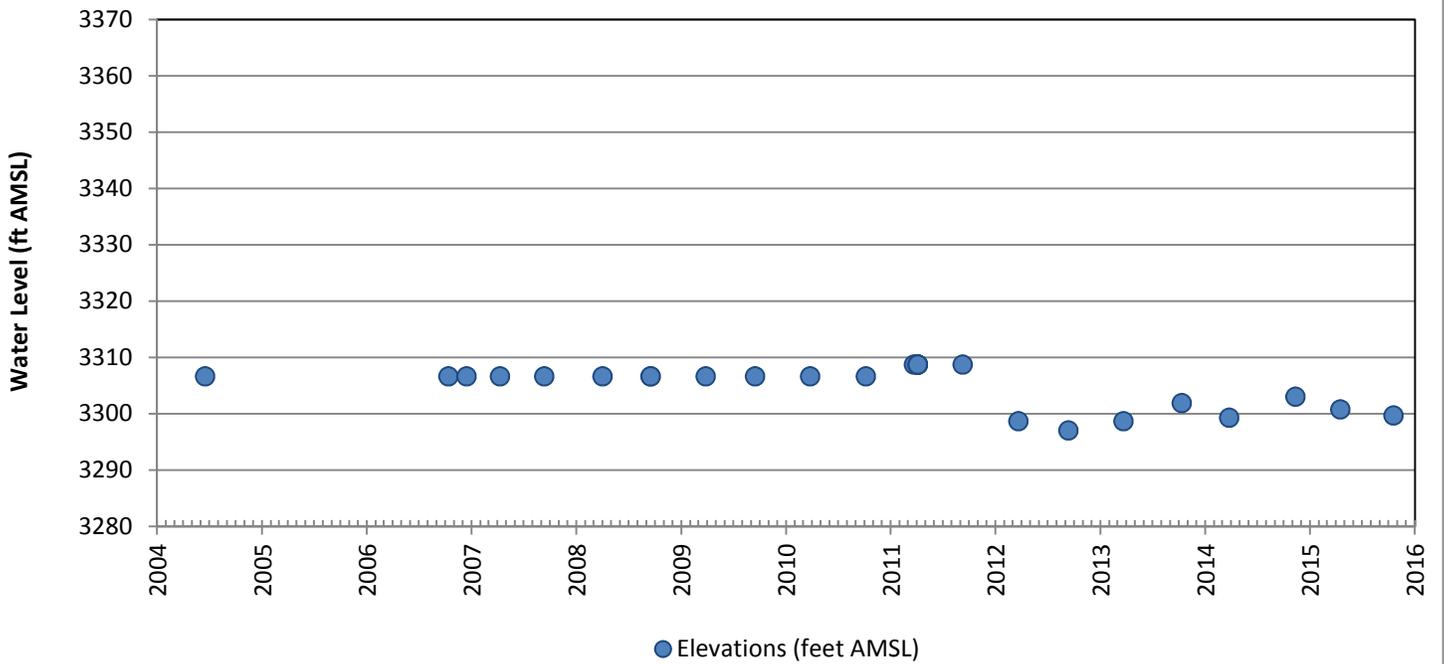


# OCD-8A

## Arsenic

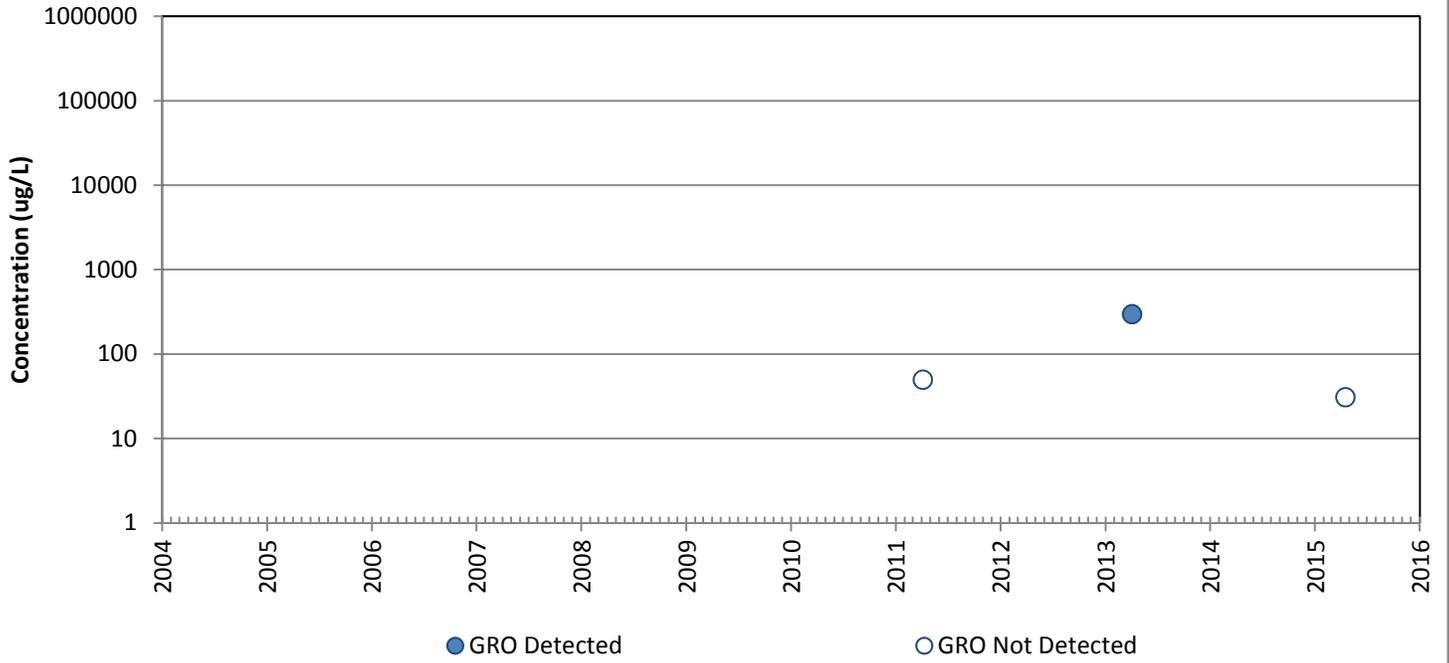


## Water Elevations

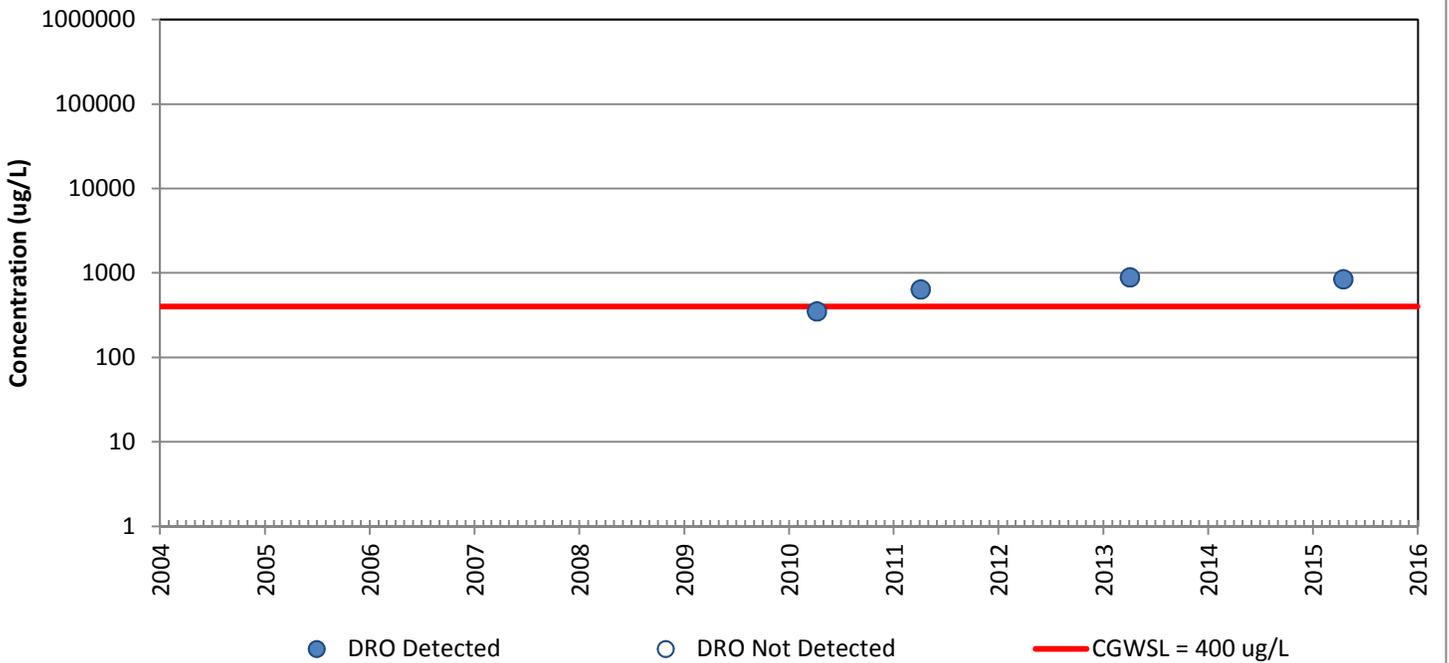


# OCD-8B

## GRO



## DRO

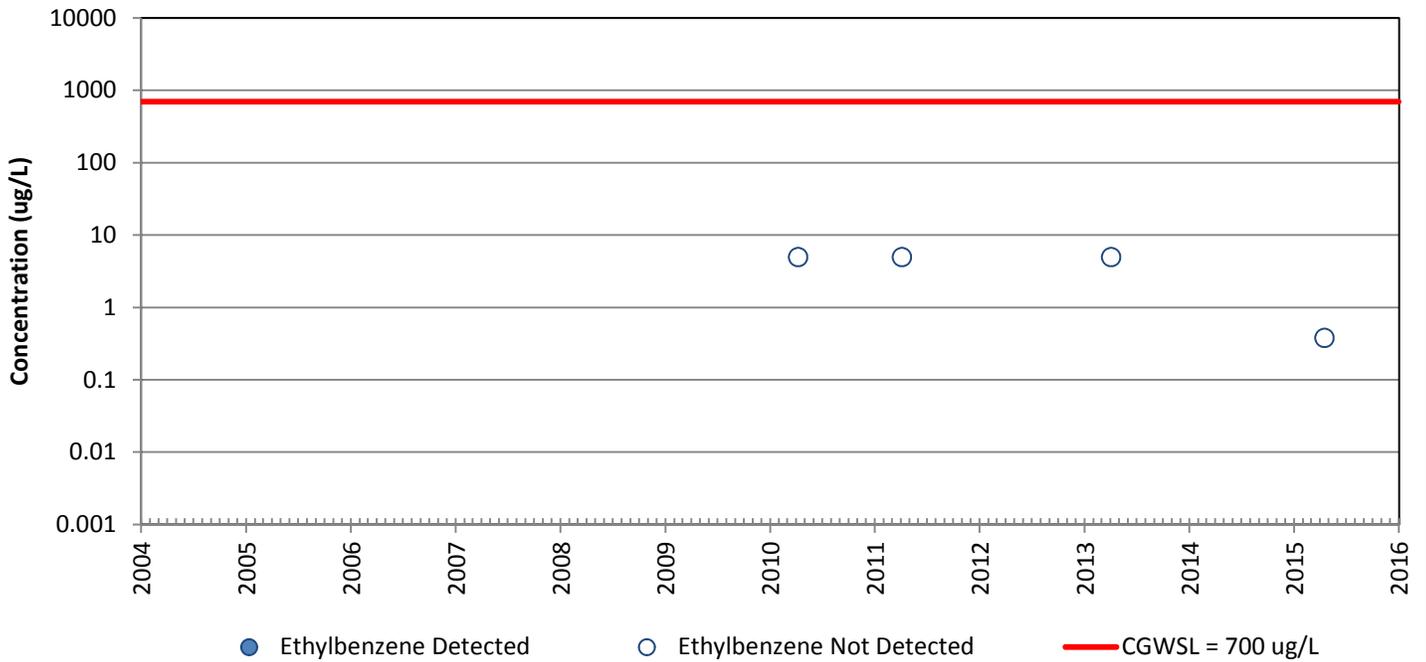


# OCD-8B

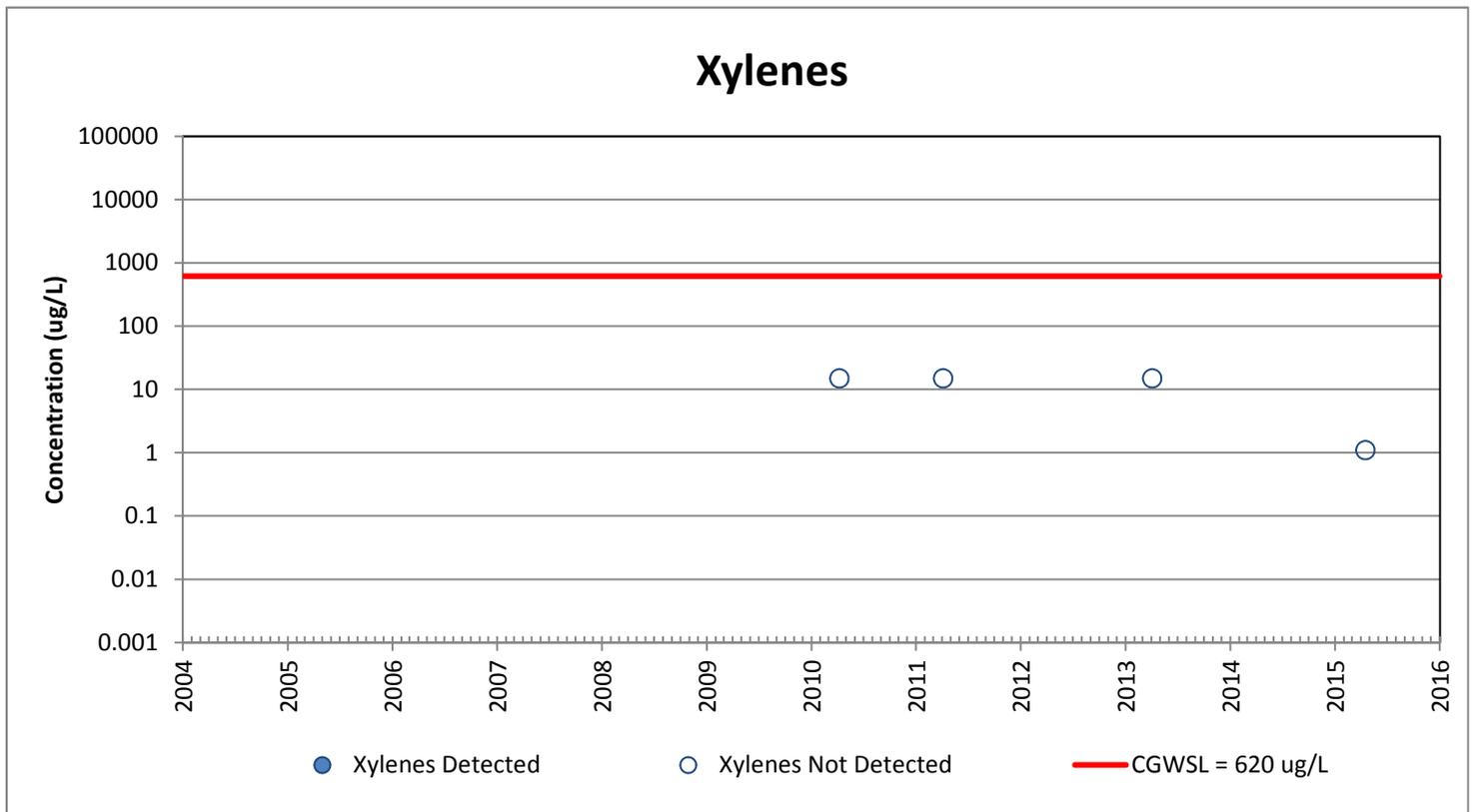
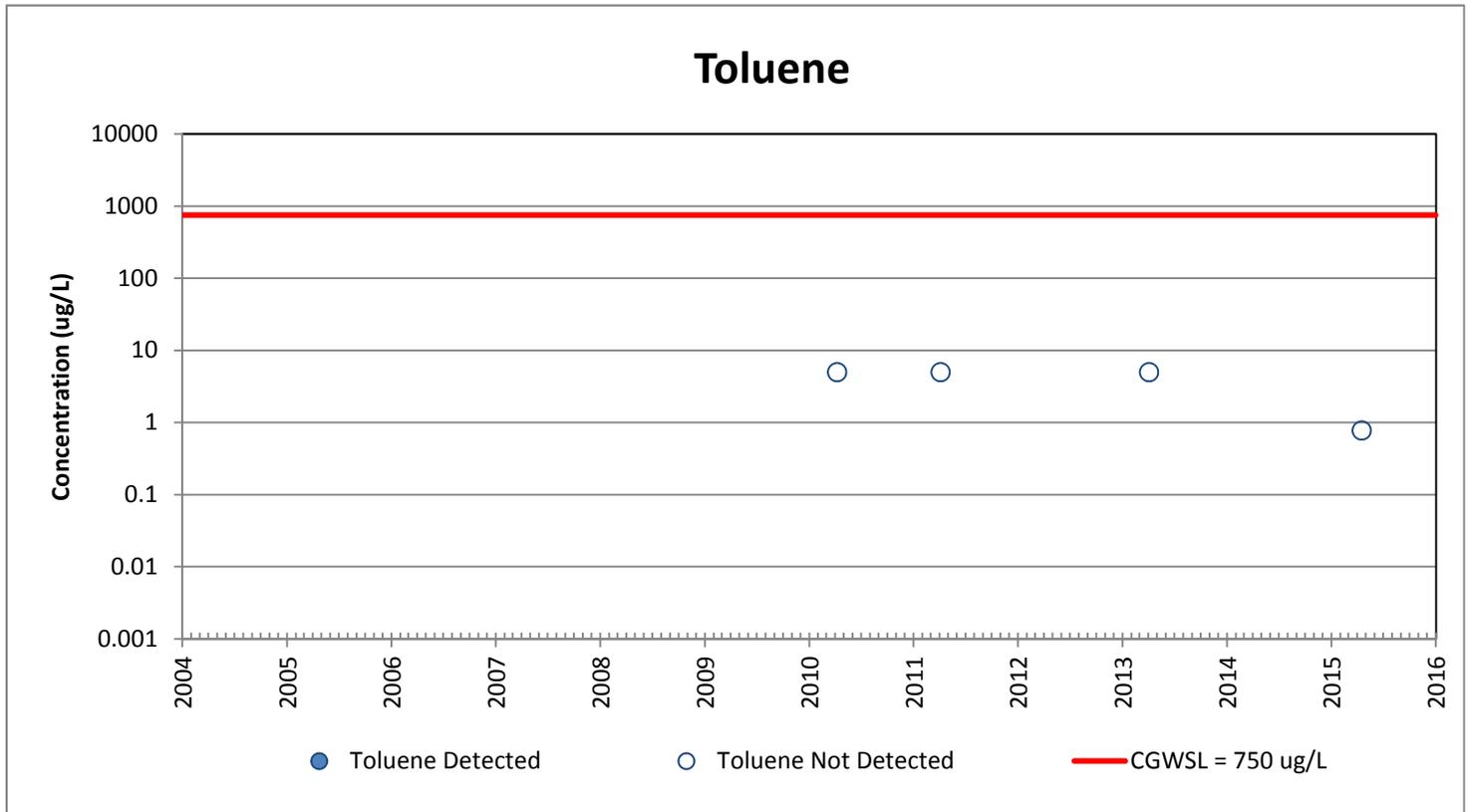
## Benzene



## Ethylbenzene

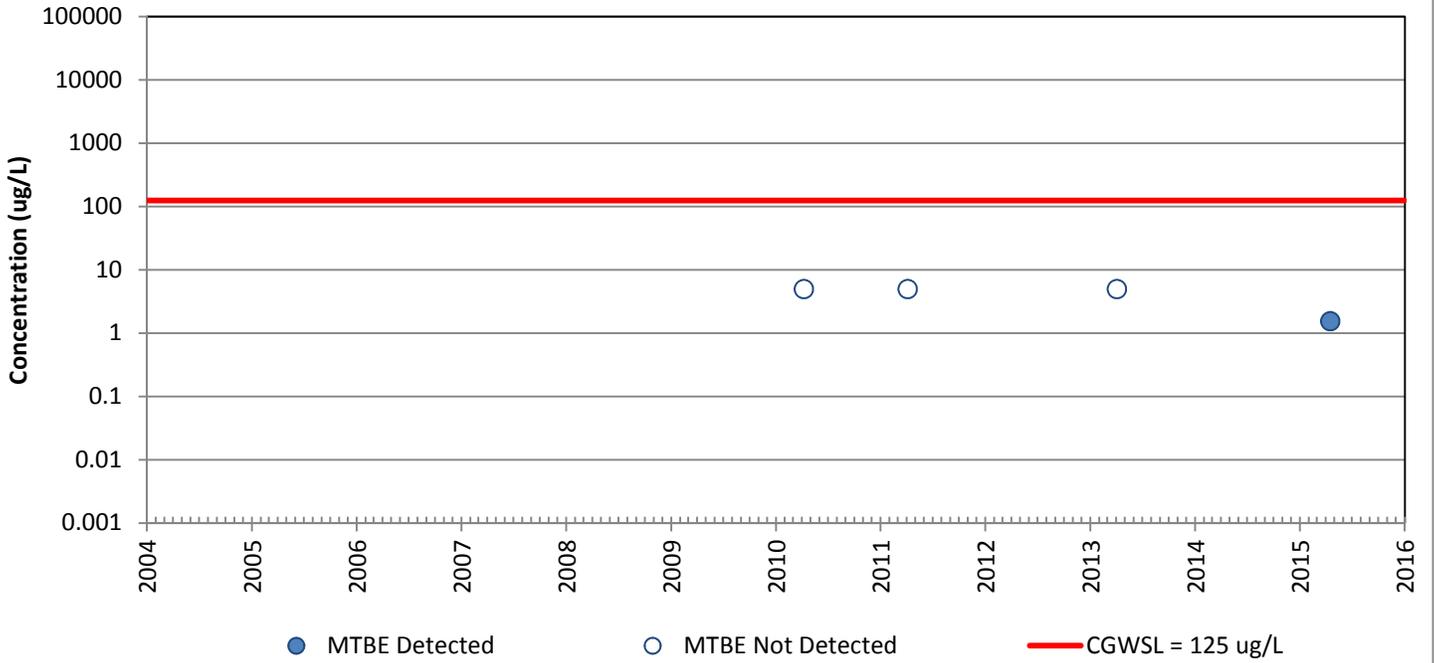


# OCD-8B

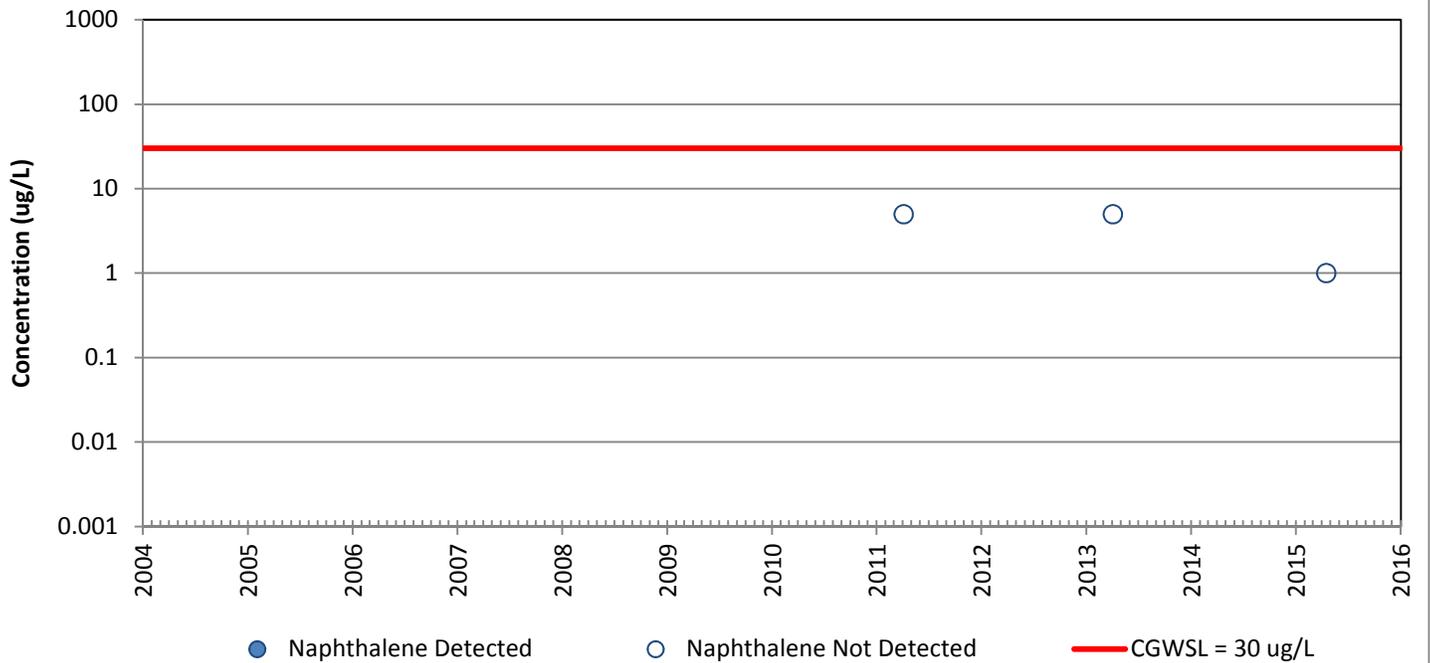


# OCD-8B

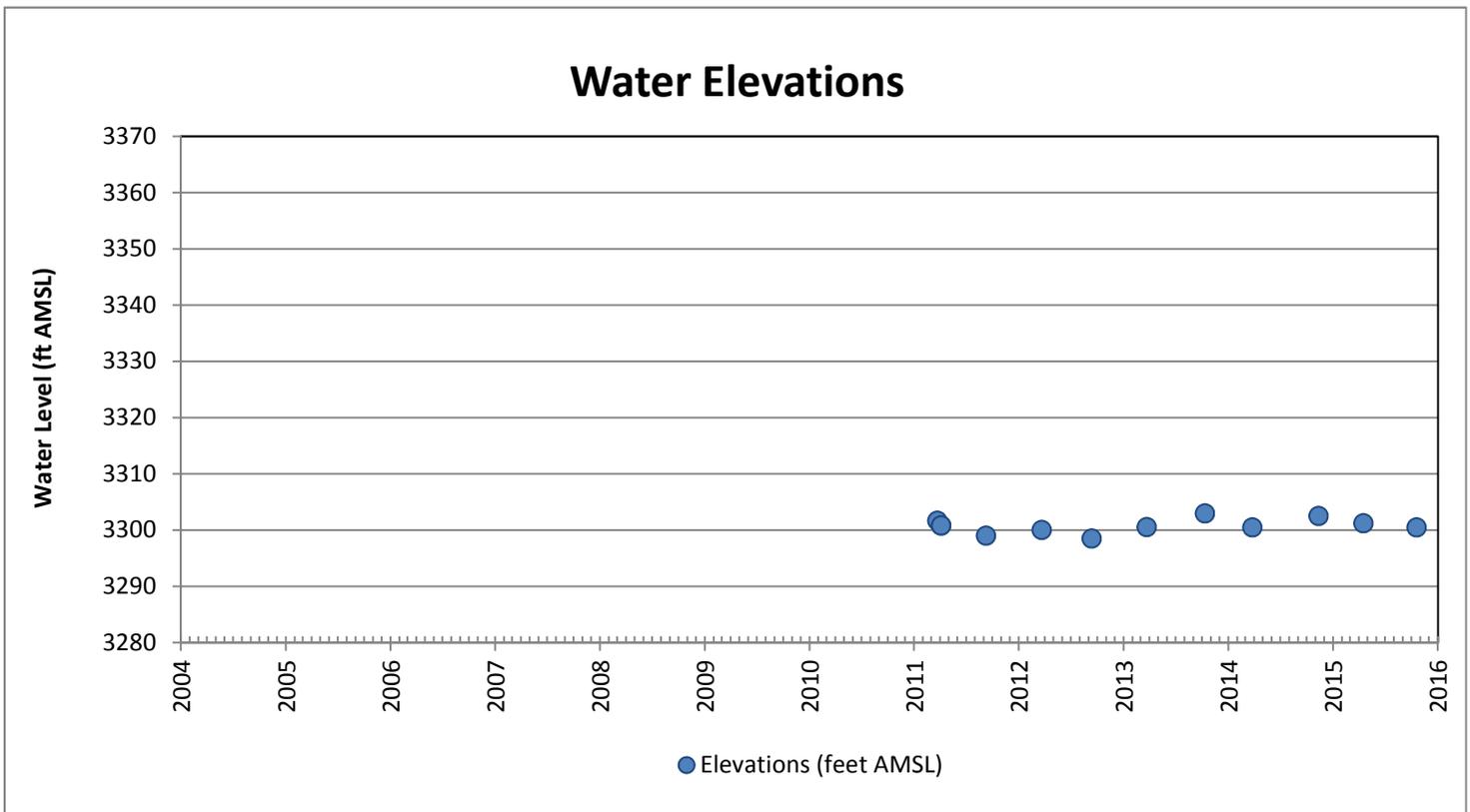
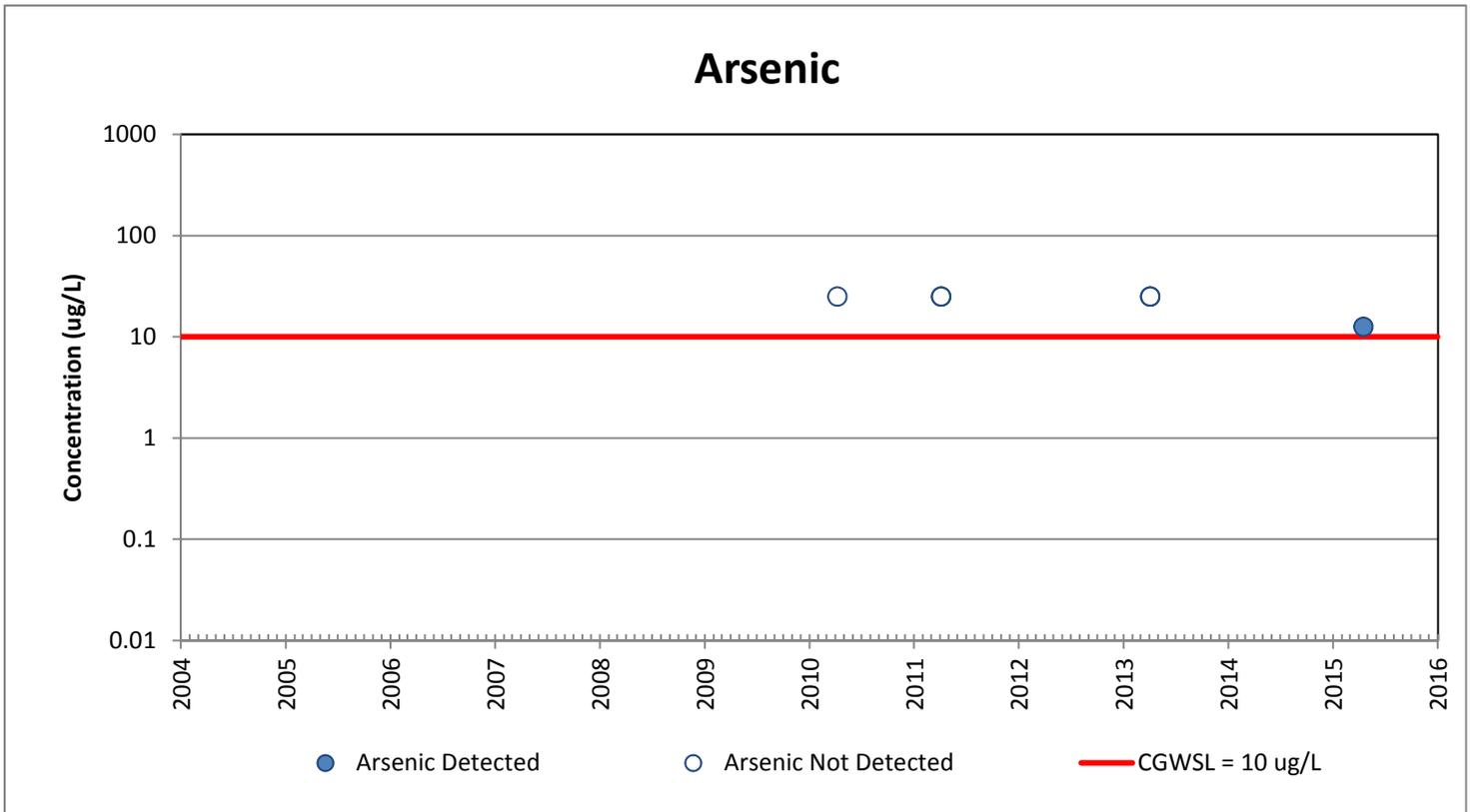
## MTBE



## Naphthalene

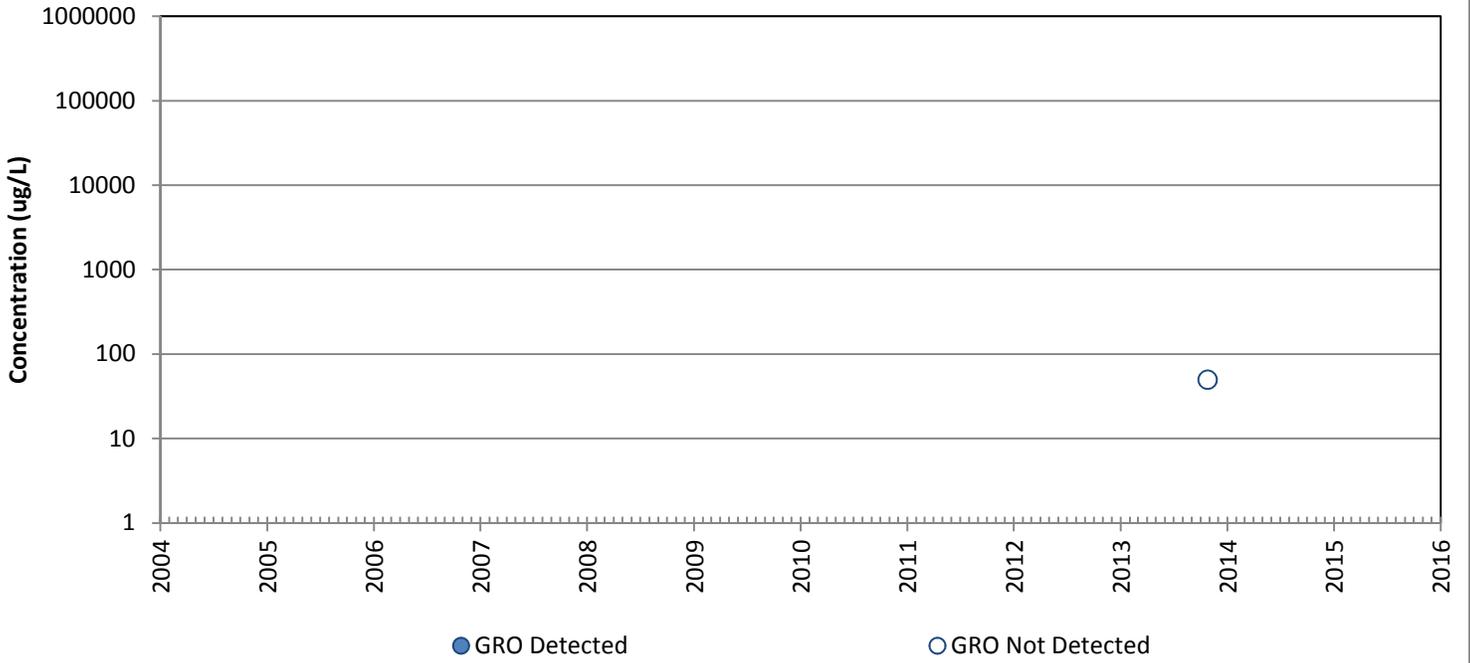


# OCD-8B

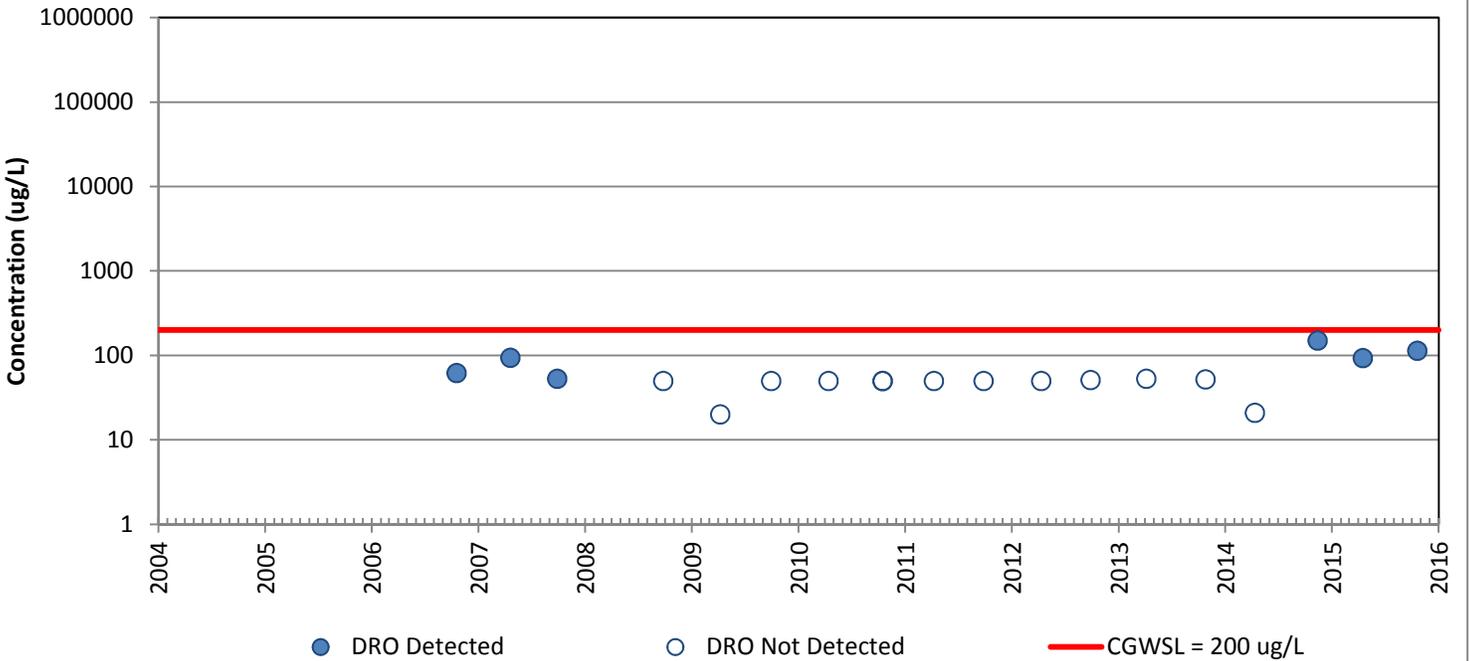


# KWB-1A

## GRO

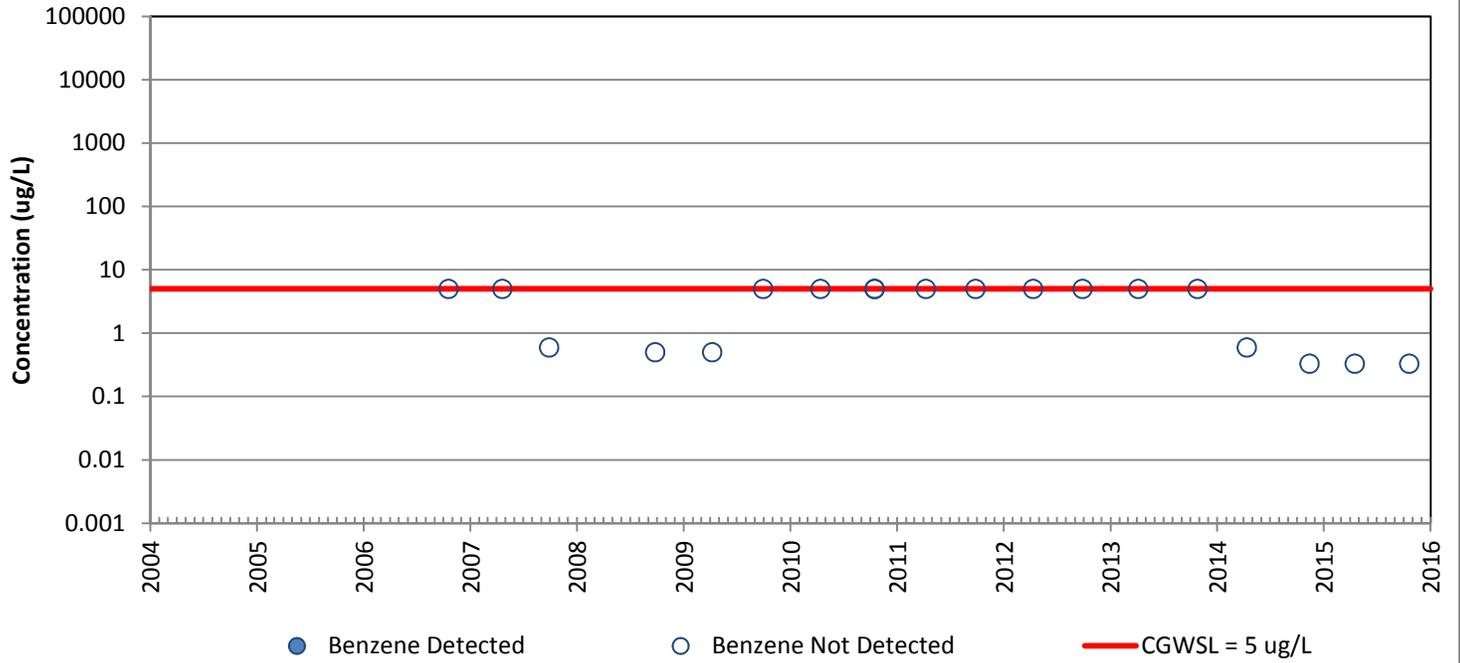


## DRO

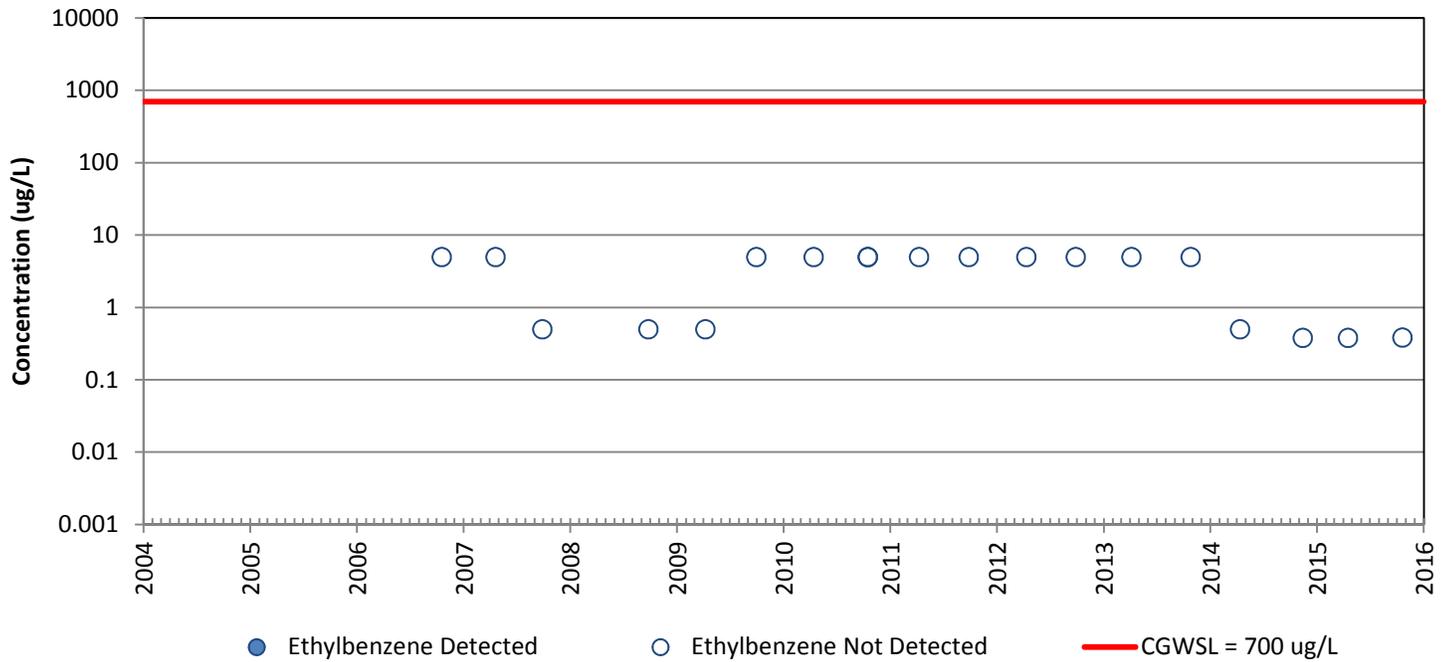


# KWB-1A

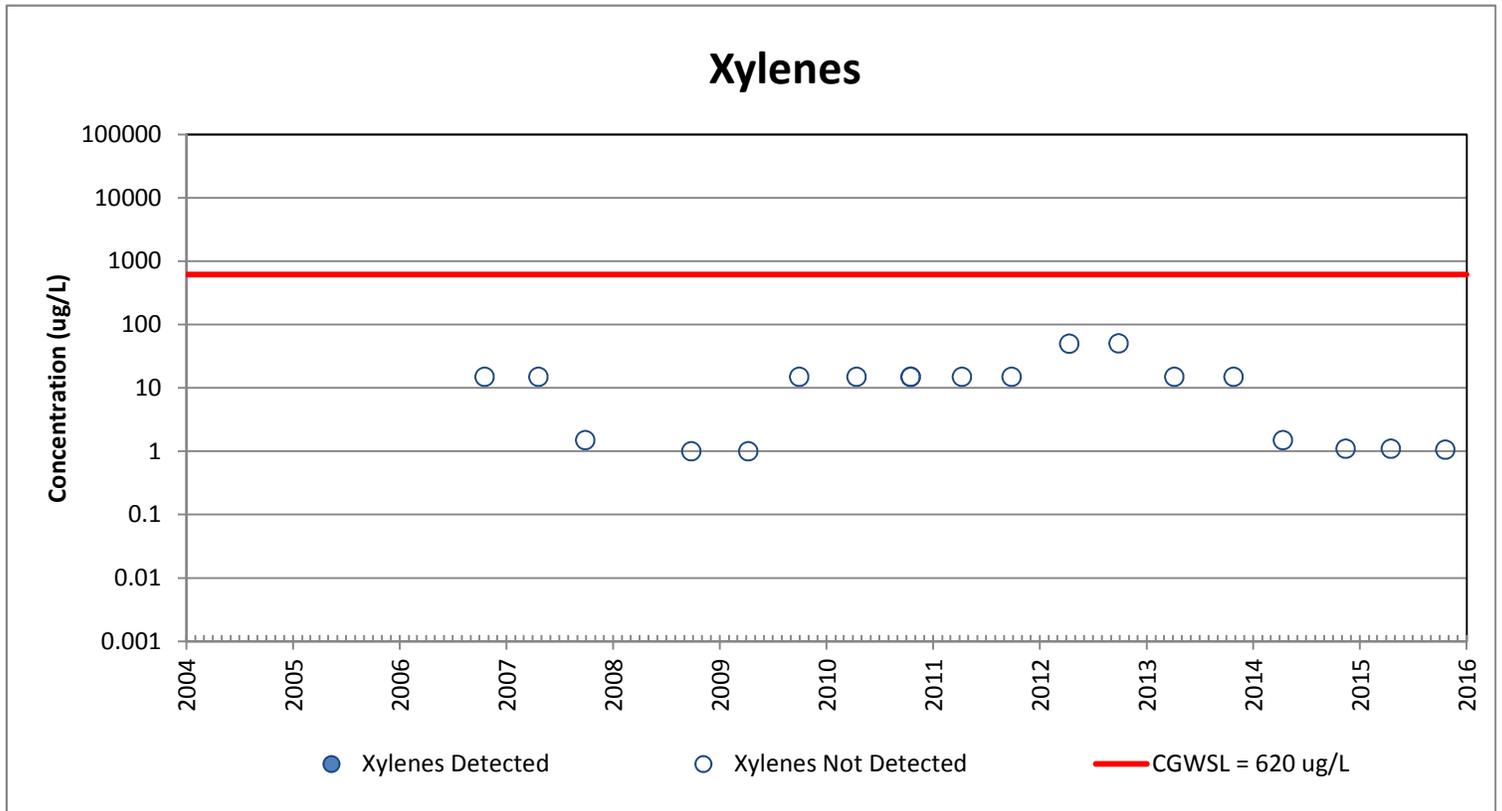
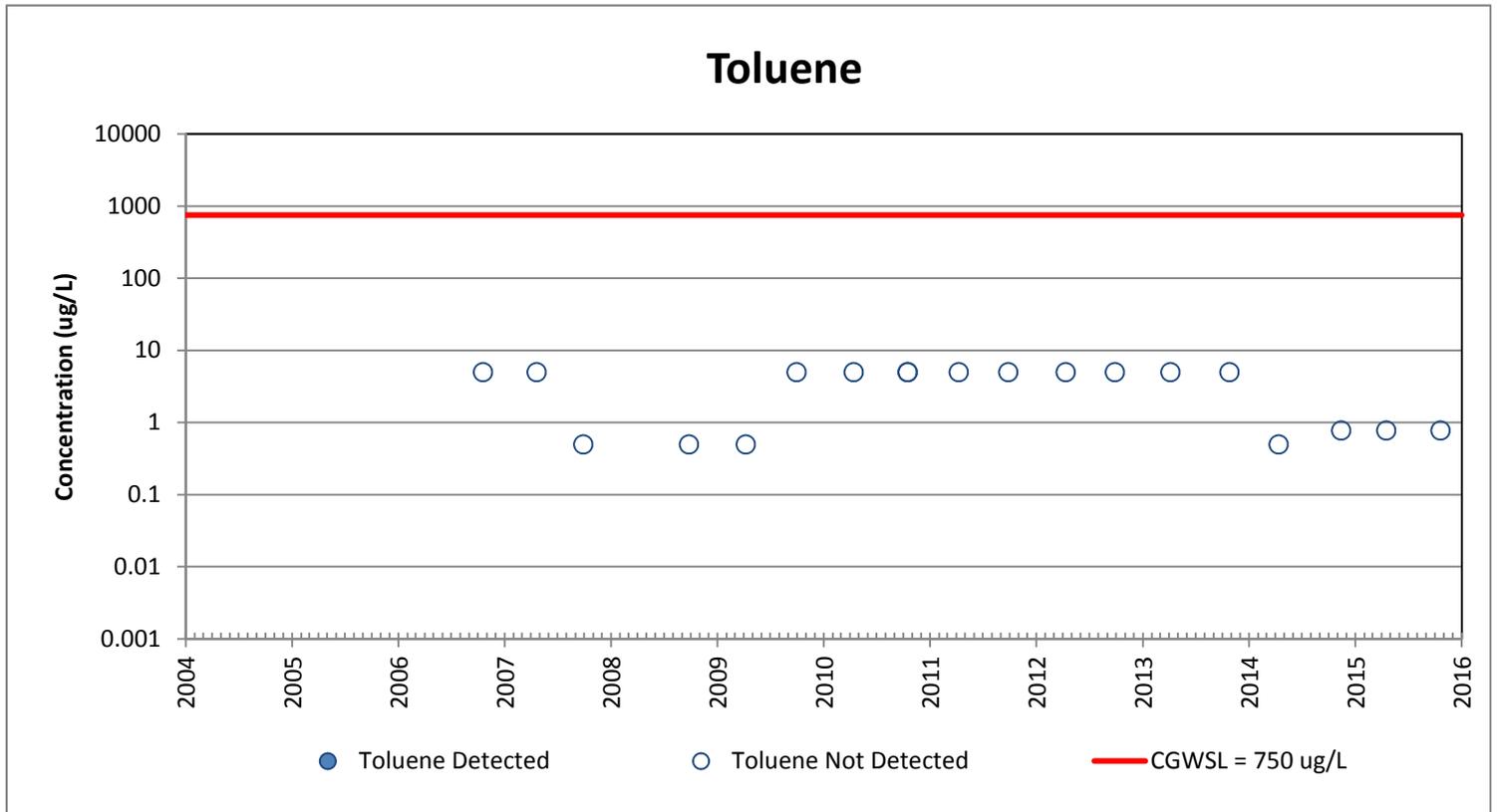
## Benzene



## Ethylbenzene

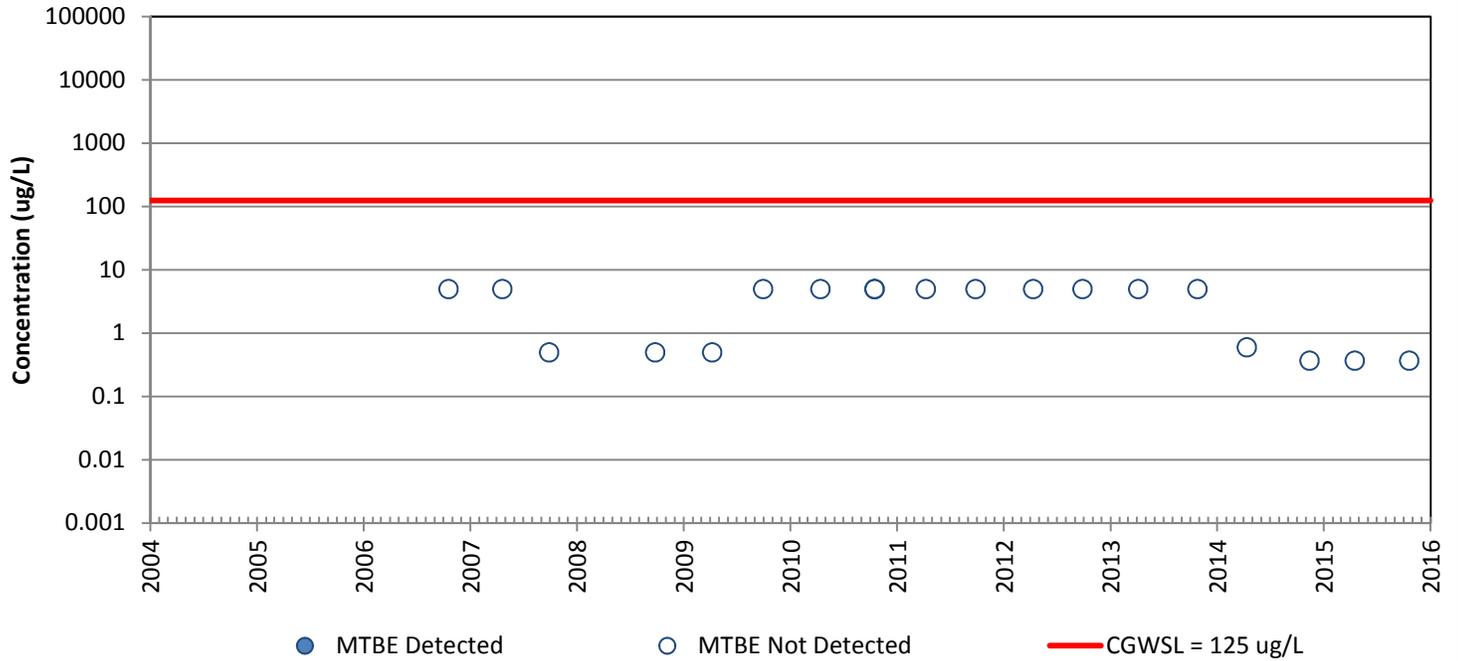


# KWB-1A

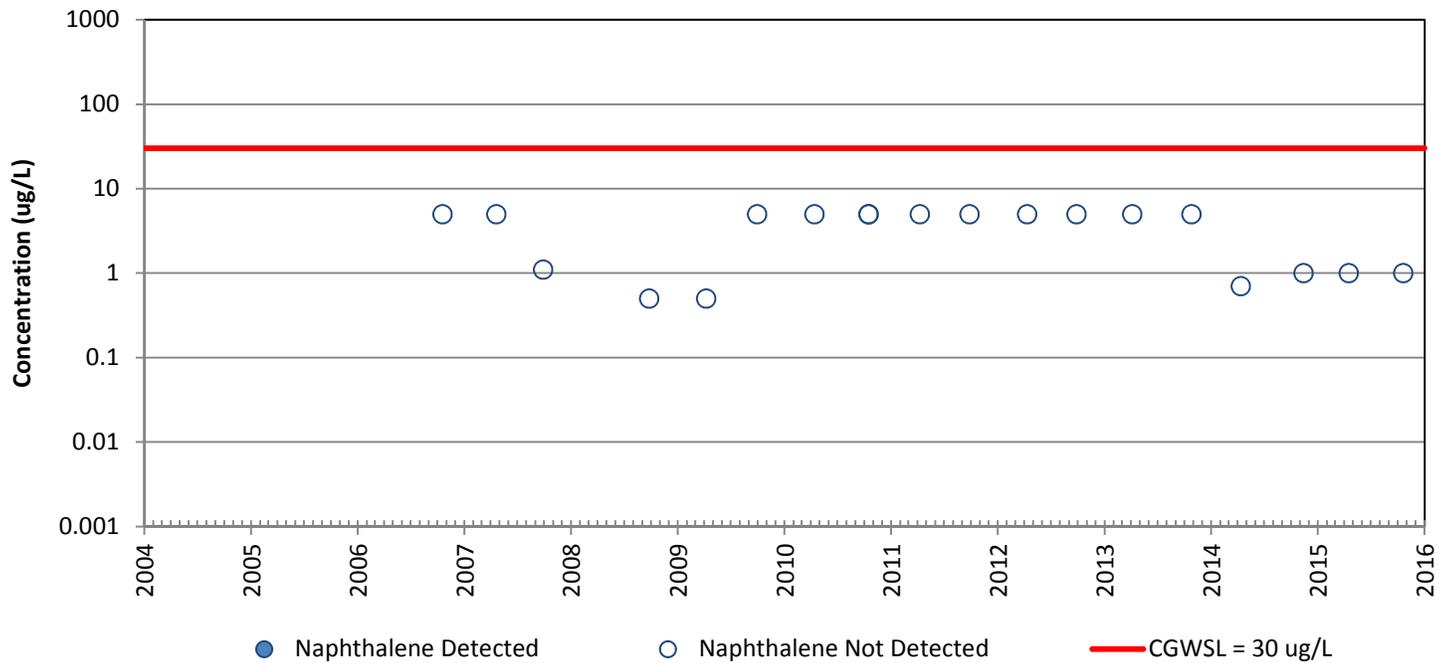


# KWB-1A

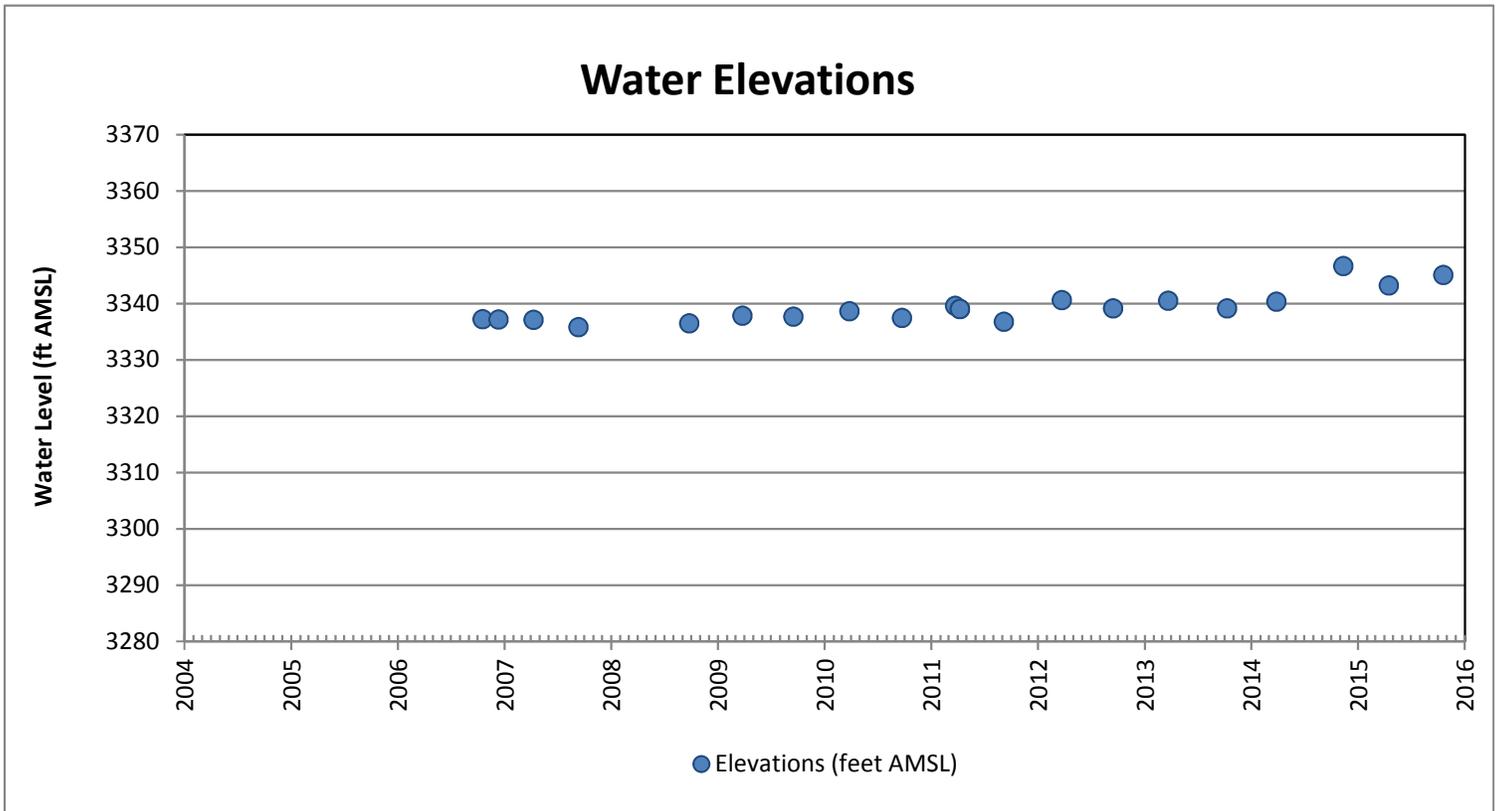
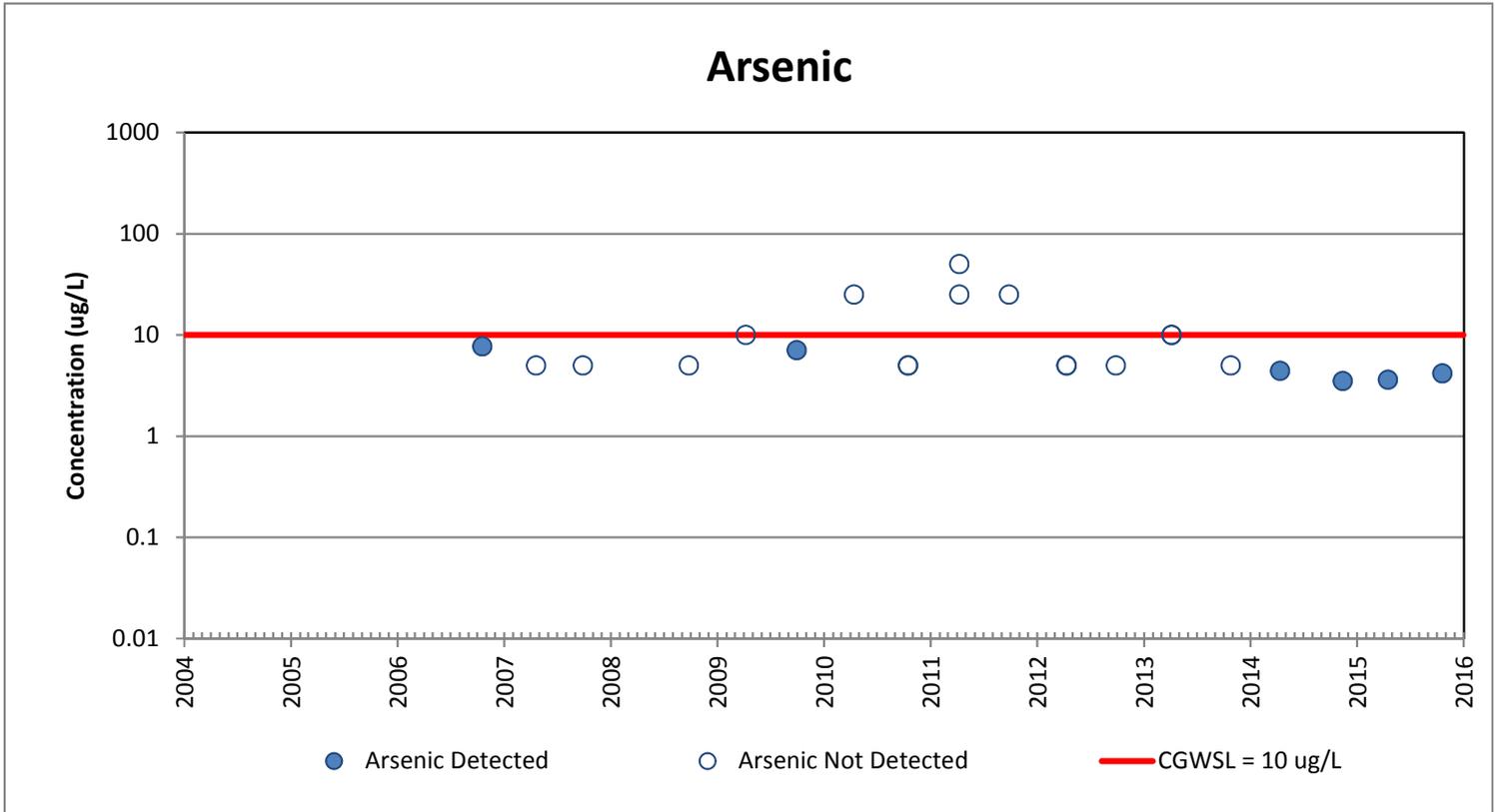
## MTBE



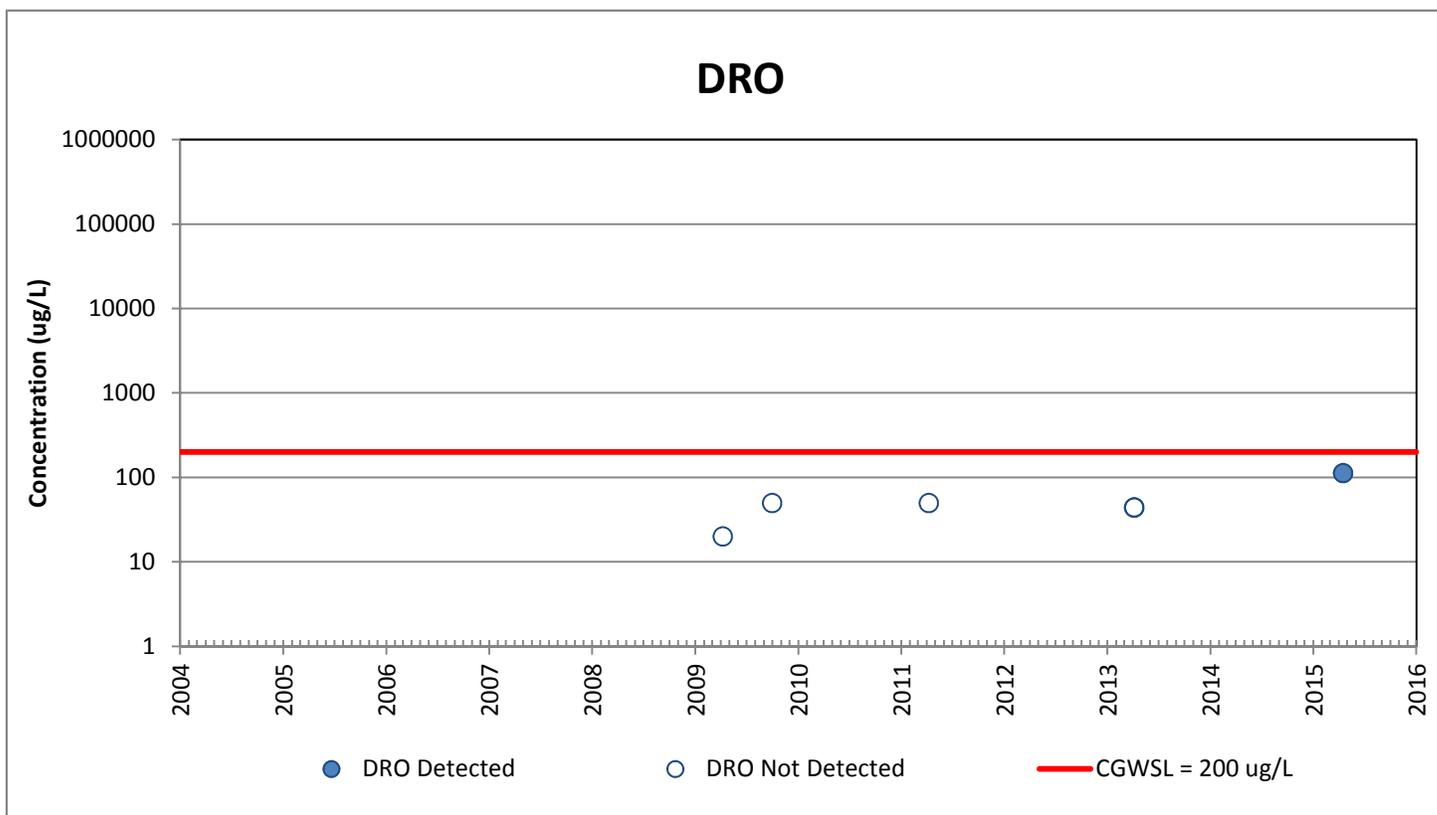
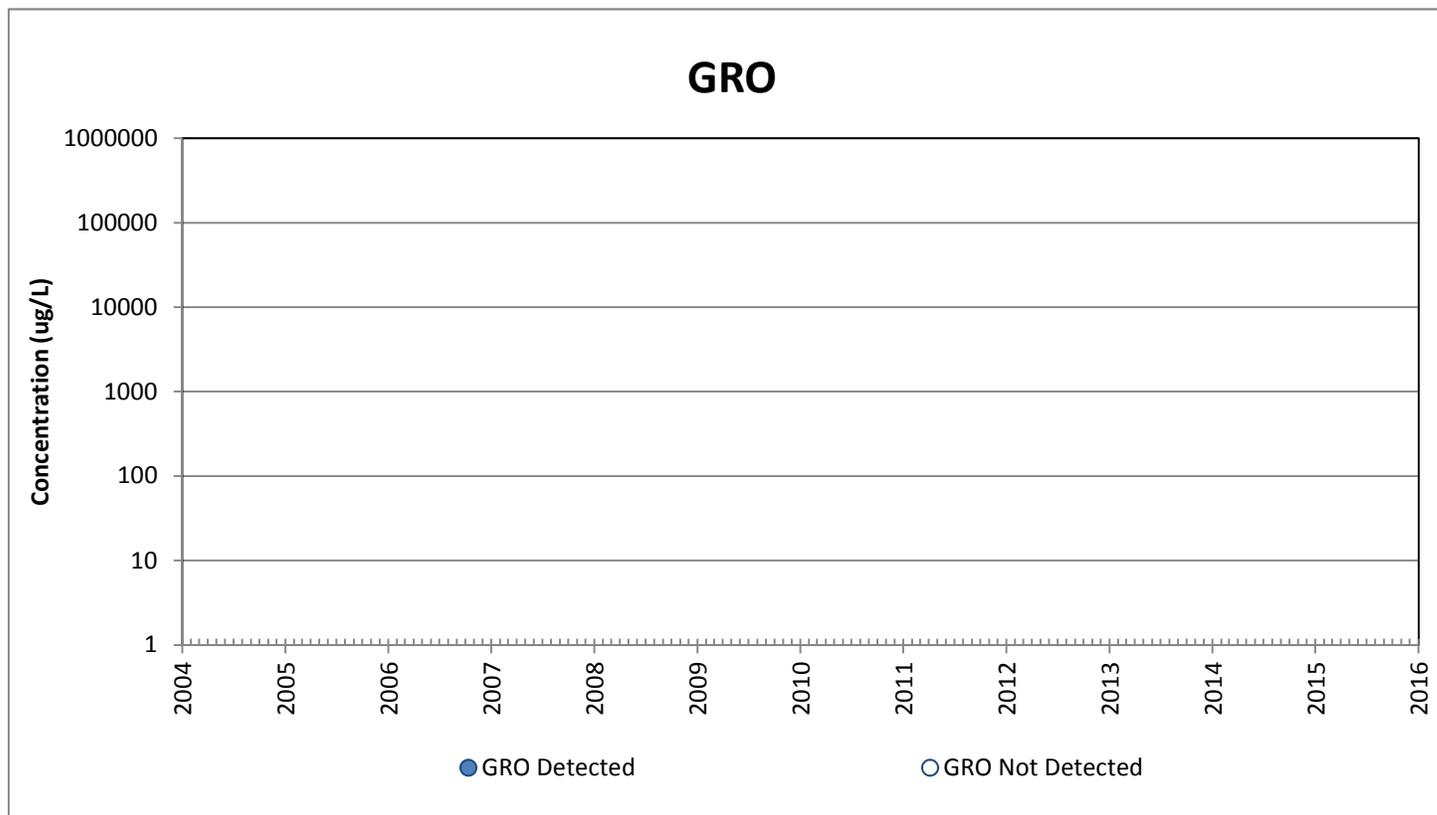
## Naphthalene



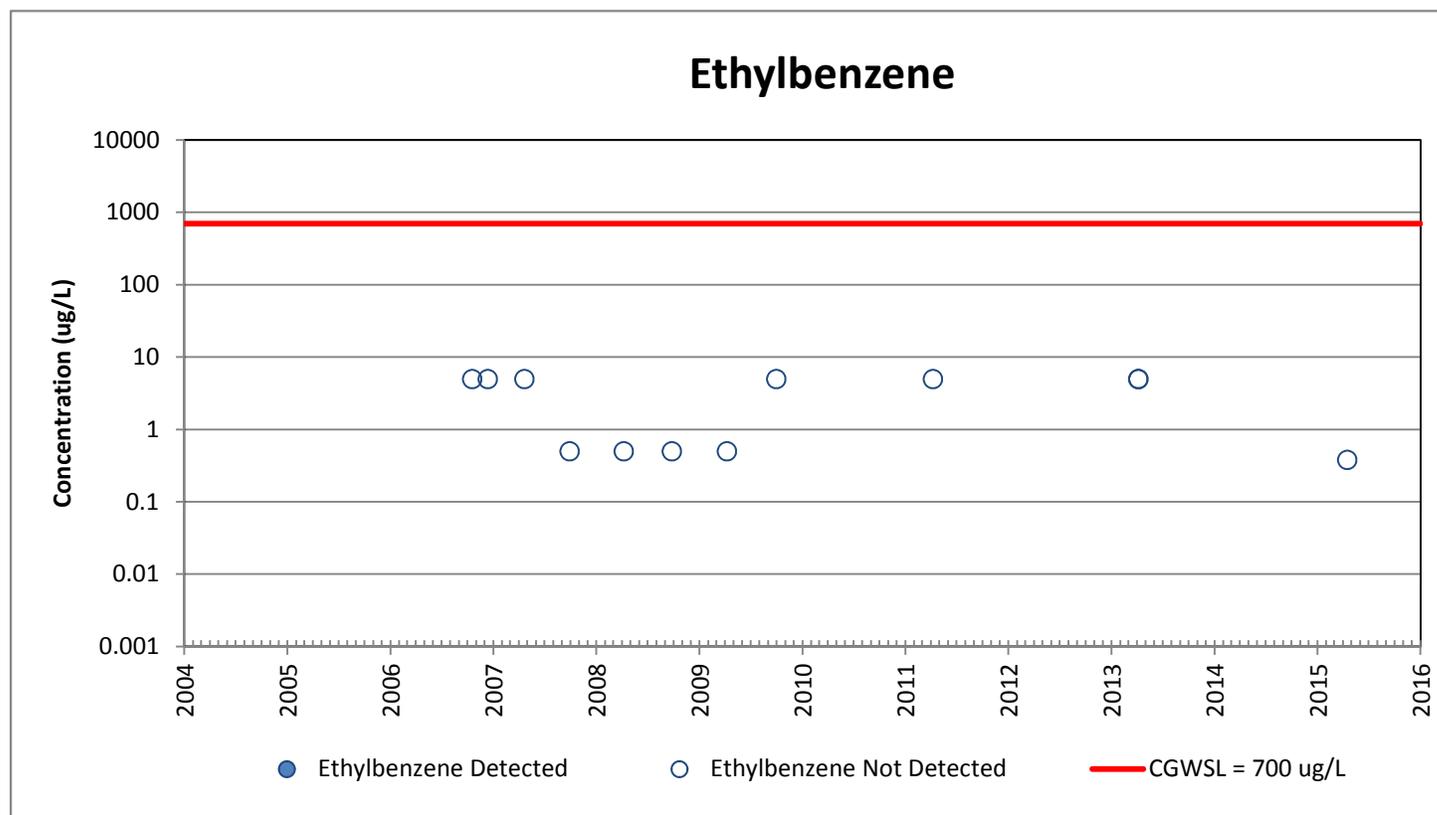
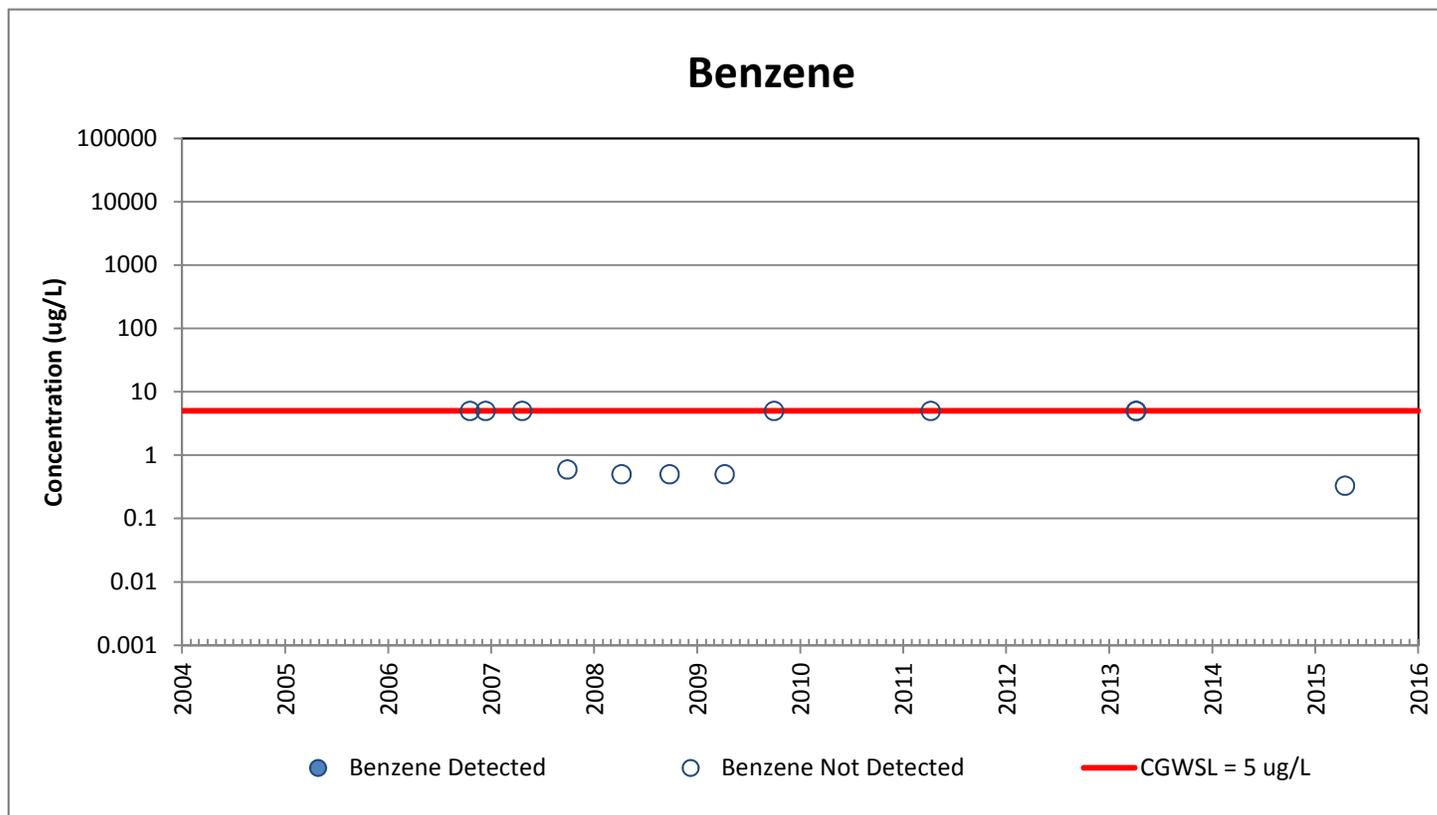
# KWB-1A



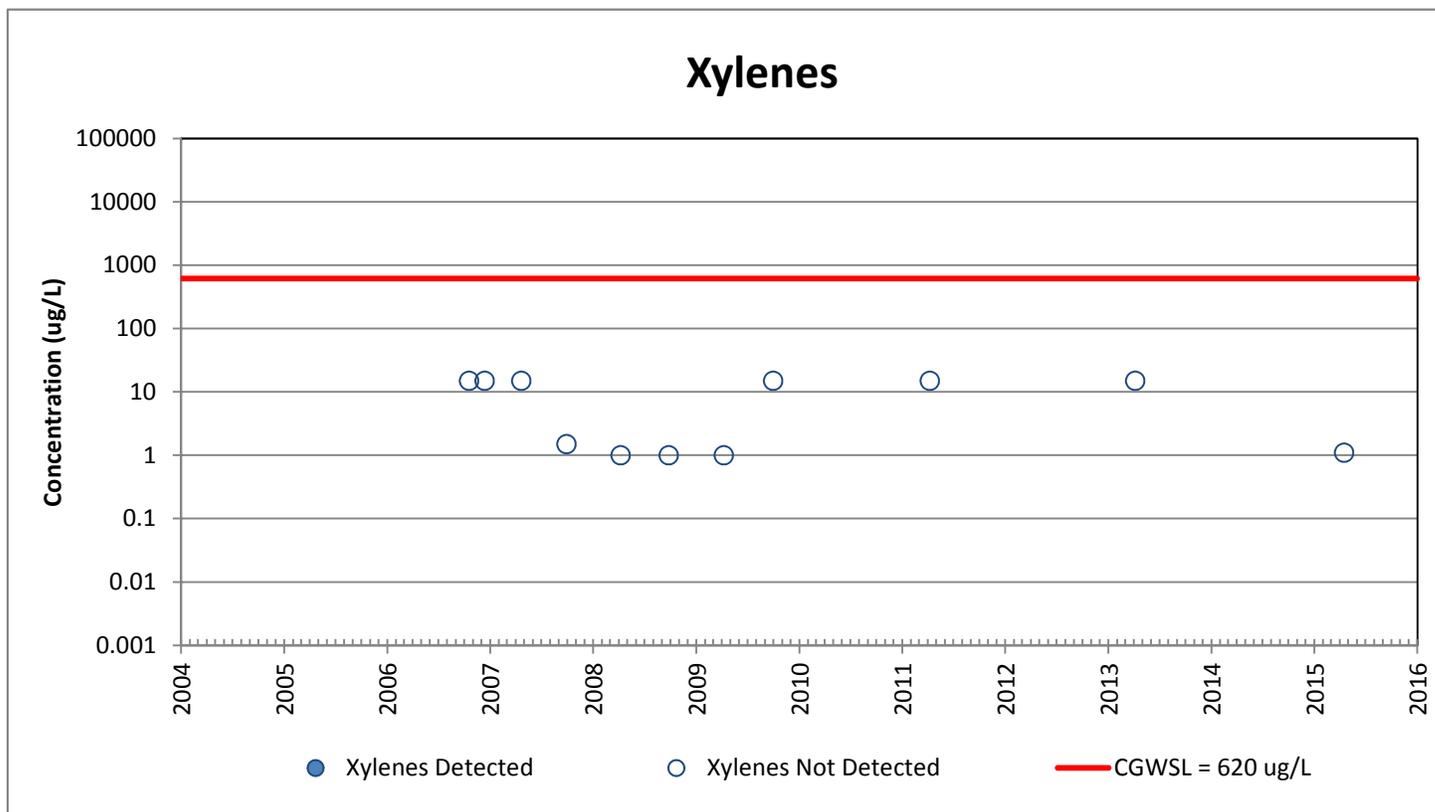
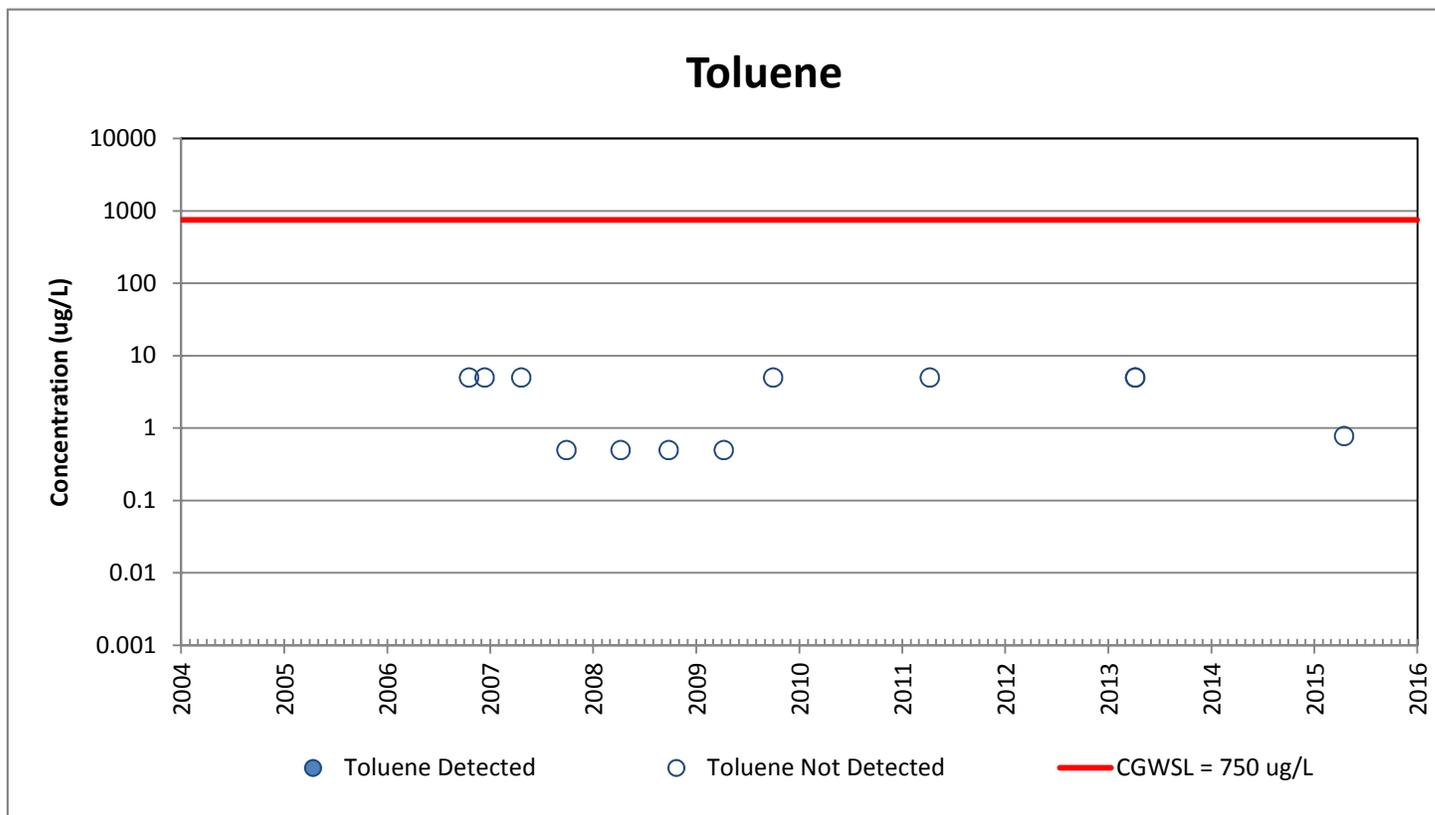
# KWB-1C



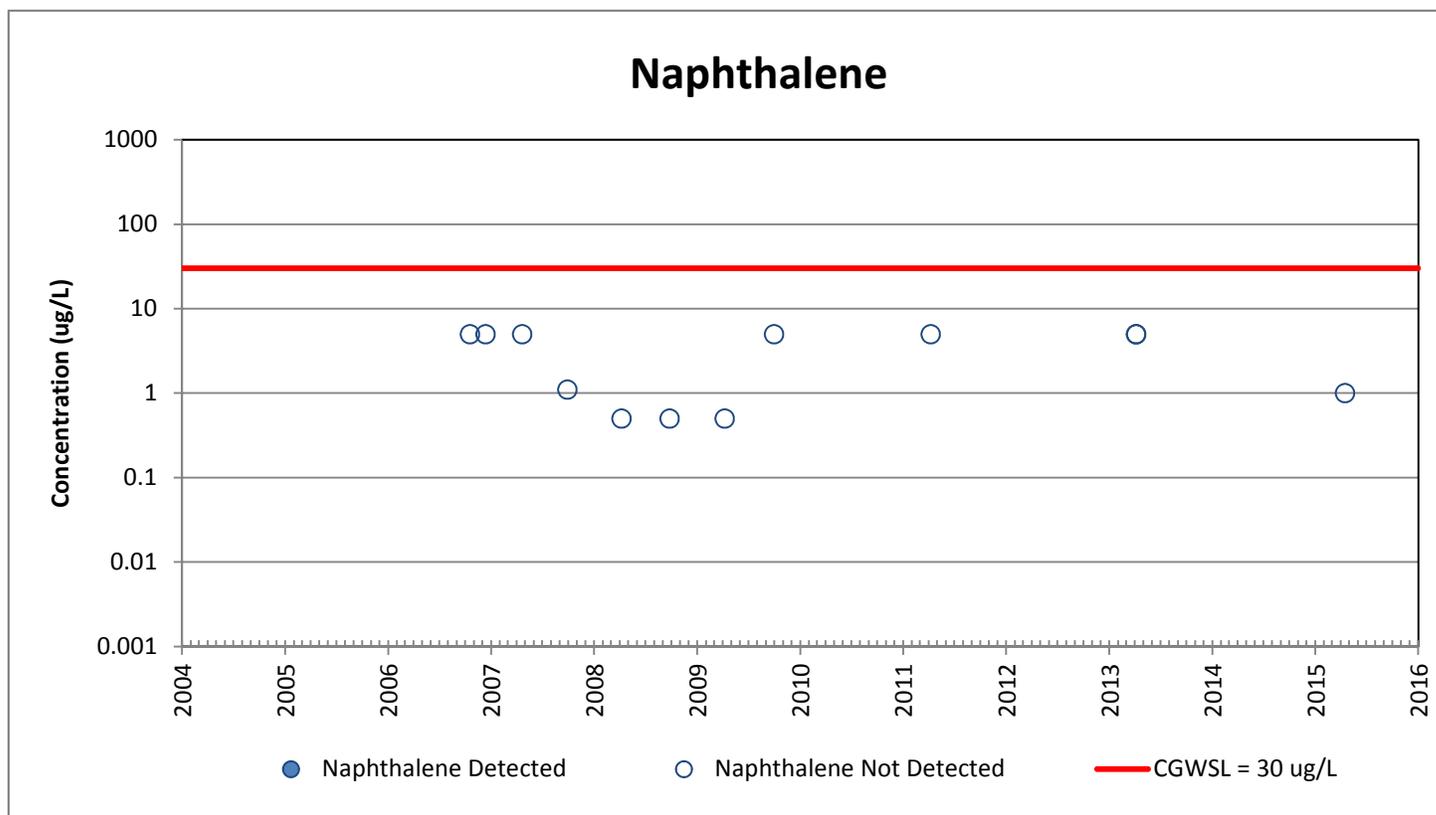
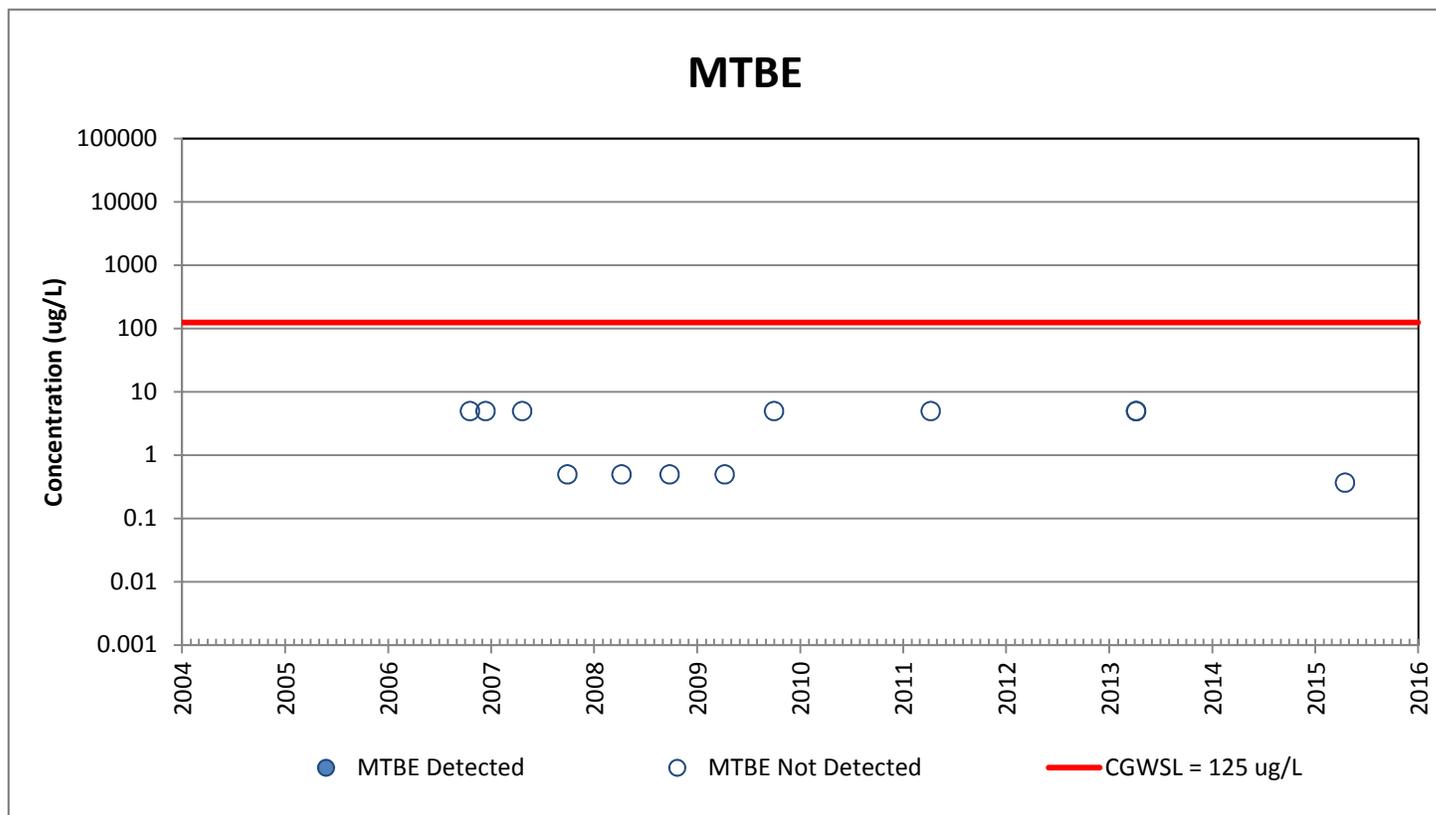
# KWB-1C



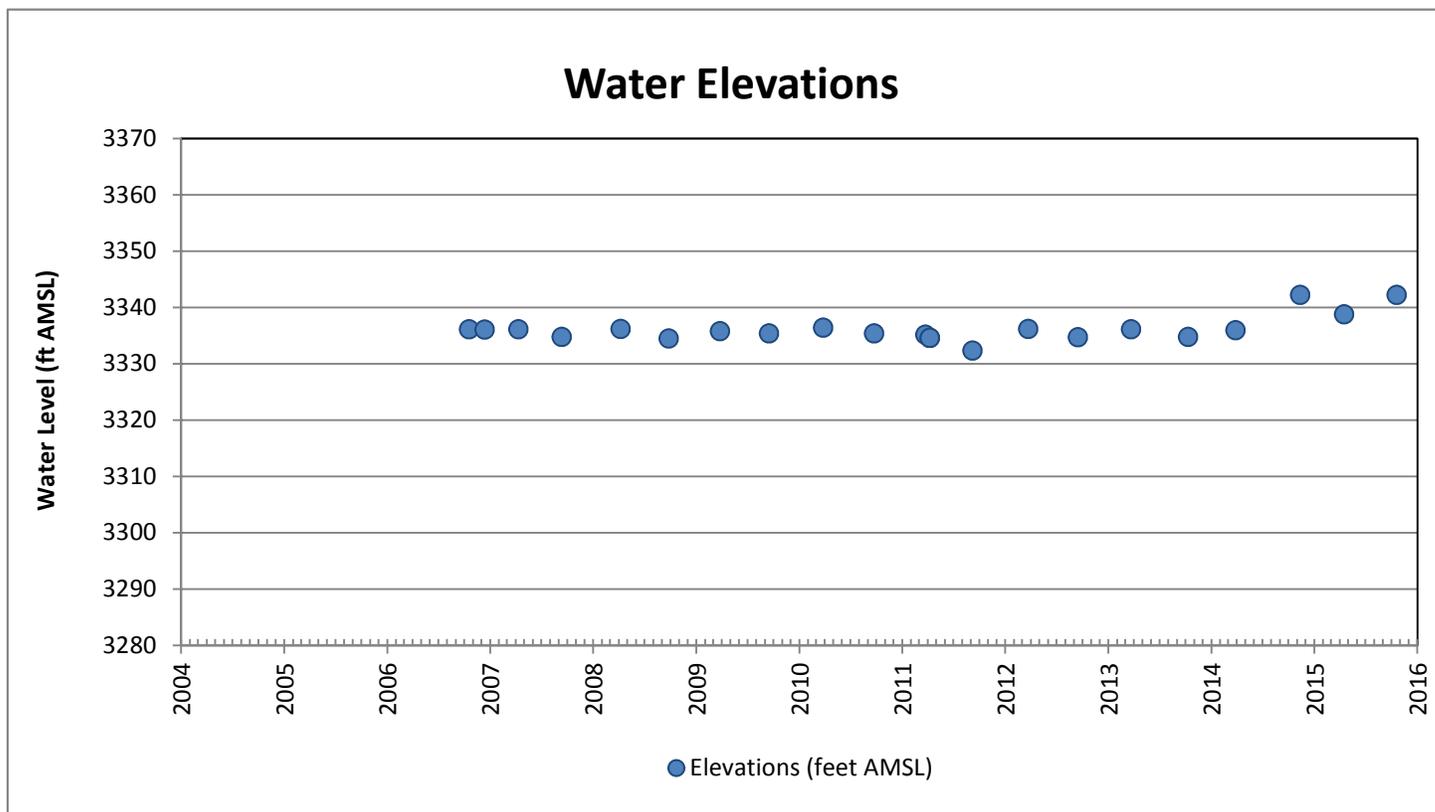
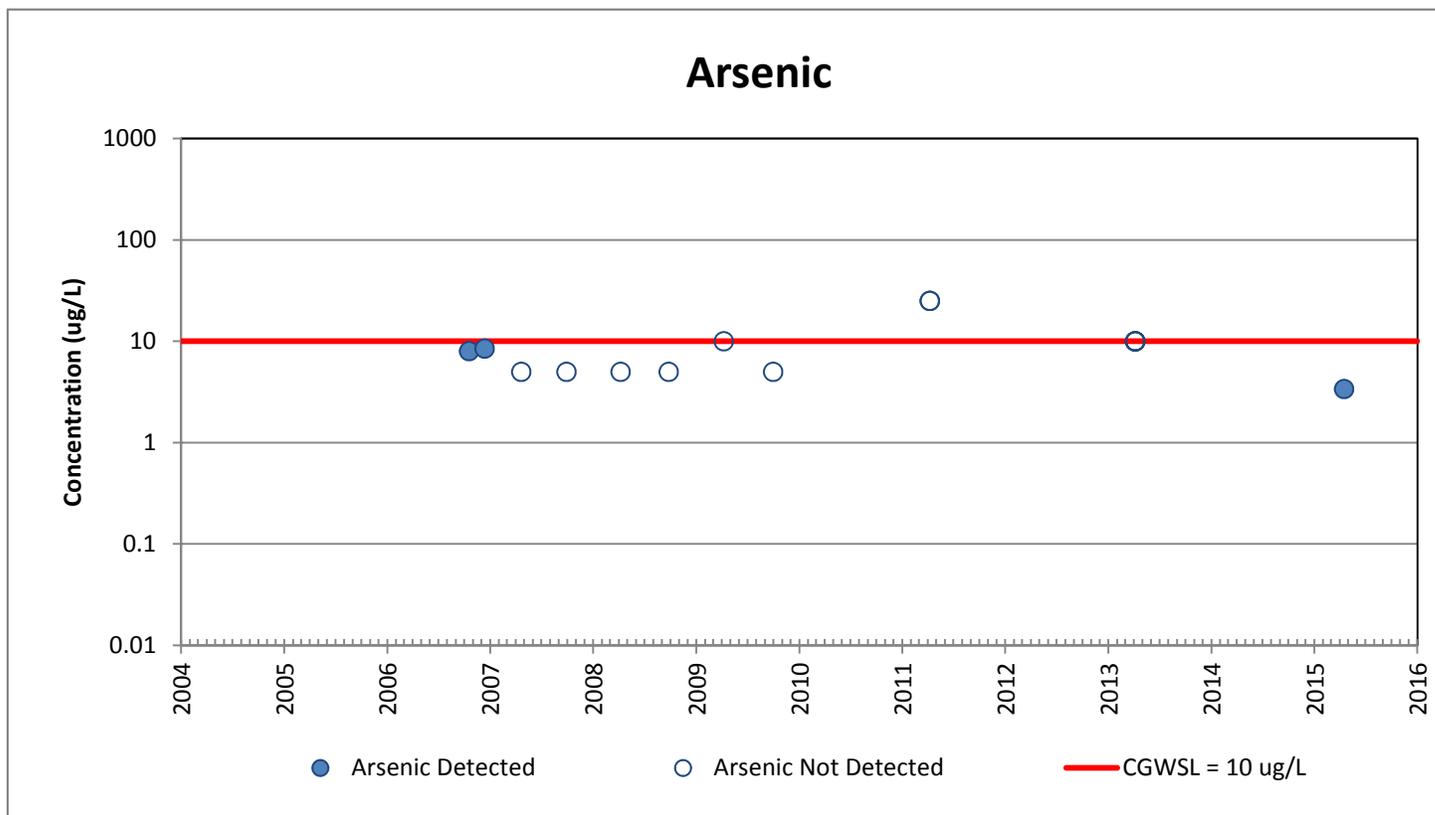
# KWB-1C



# KWB-1C

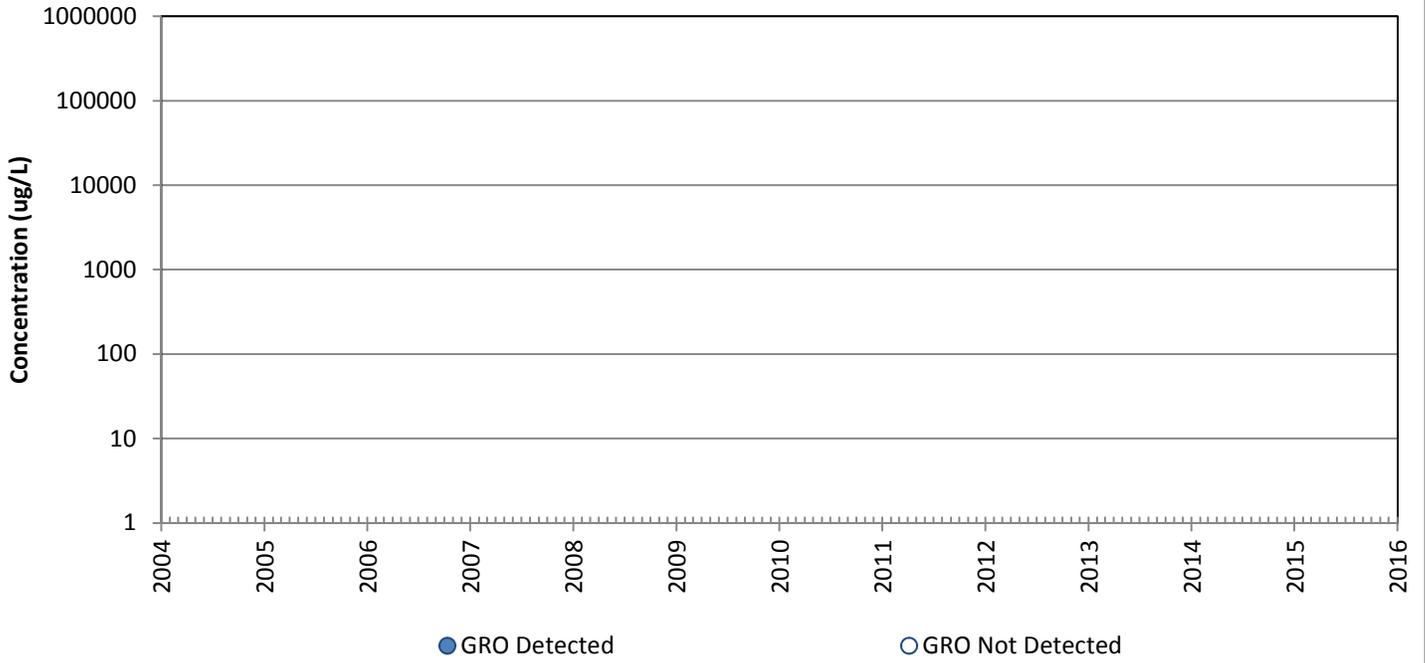


# KWB-1C

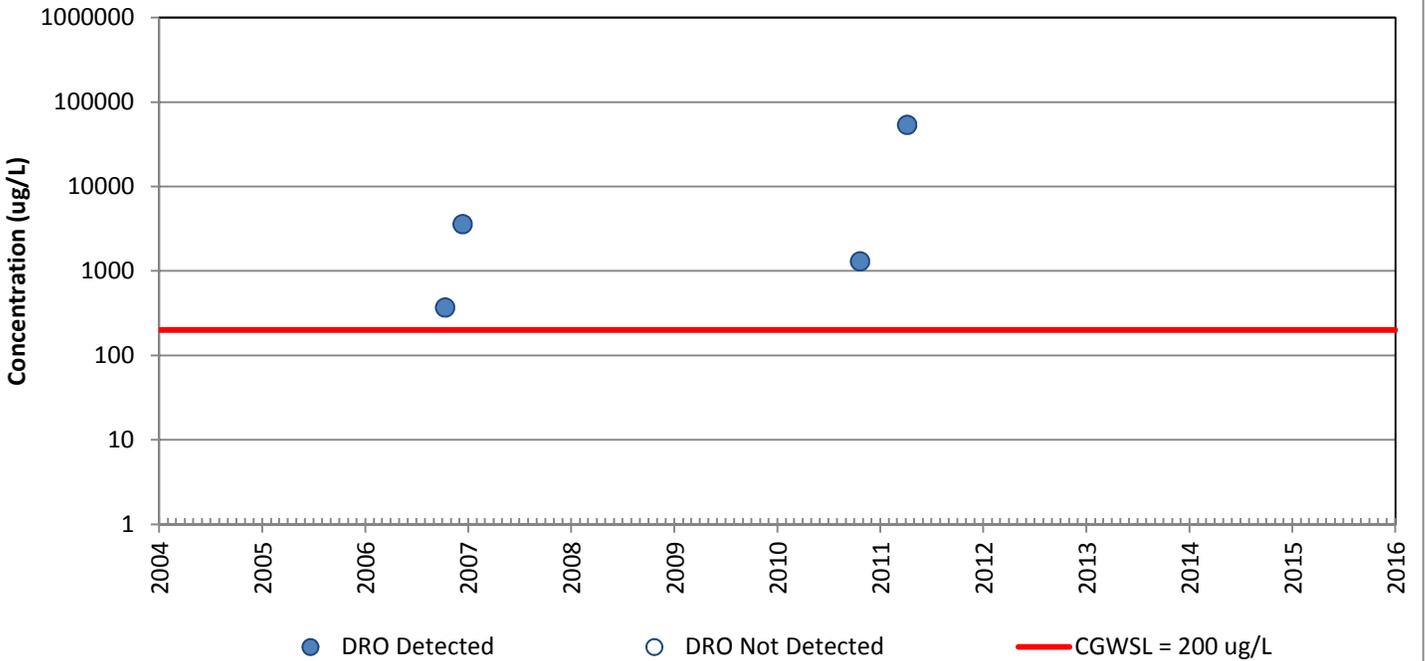


# KWB-2R

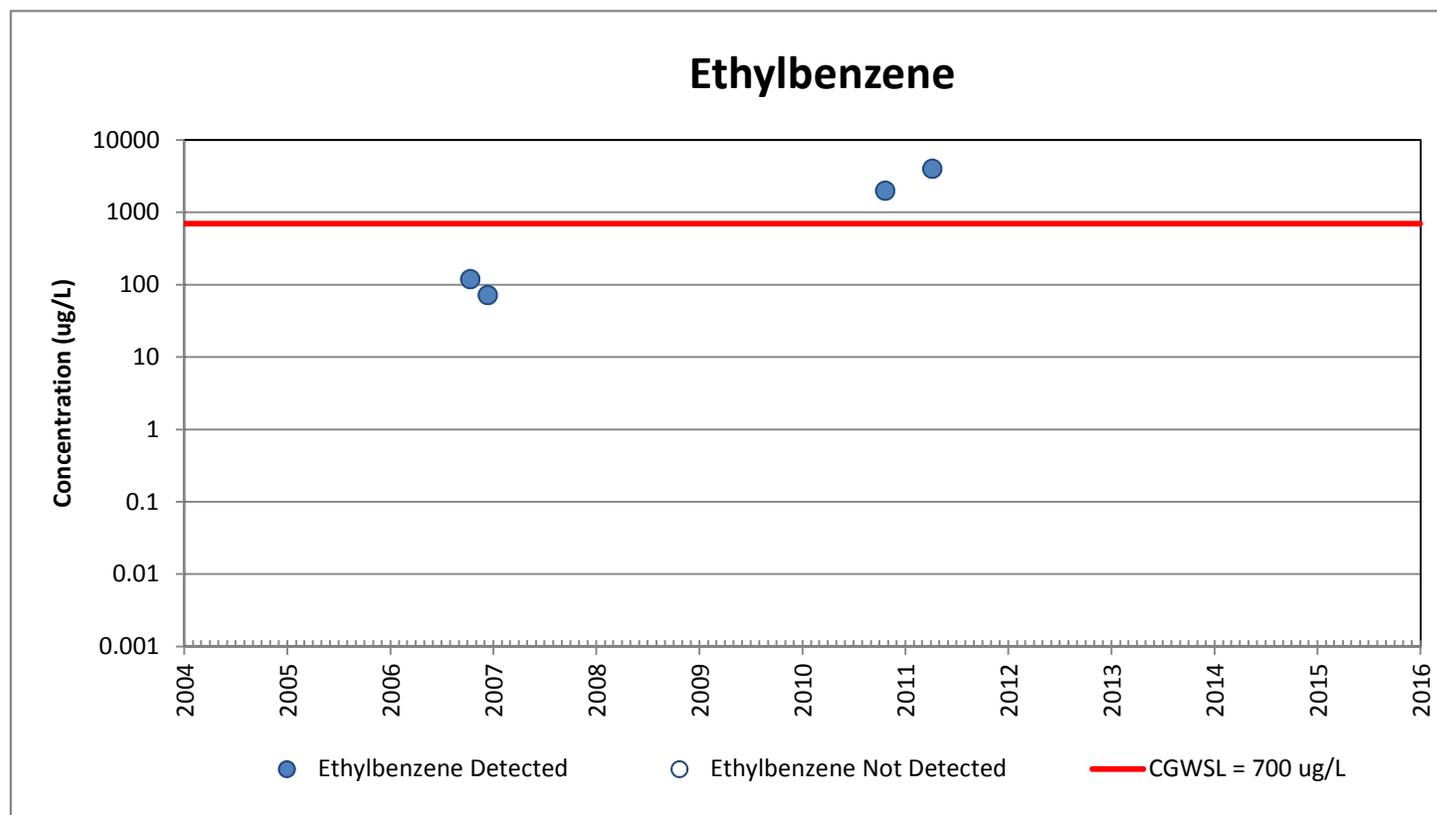
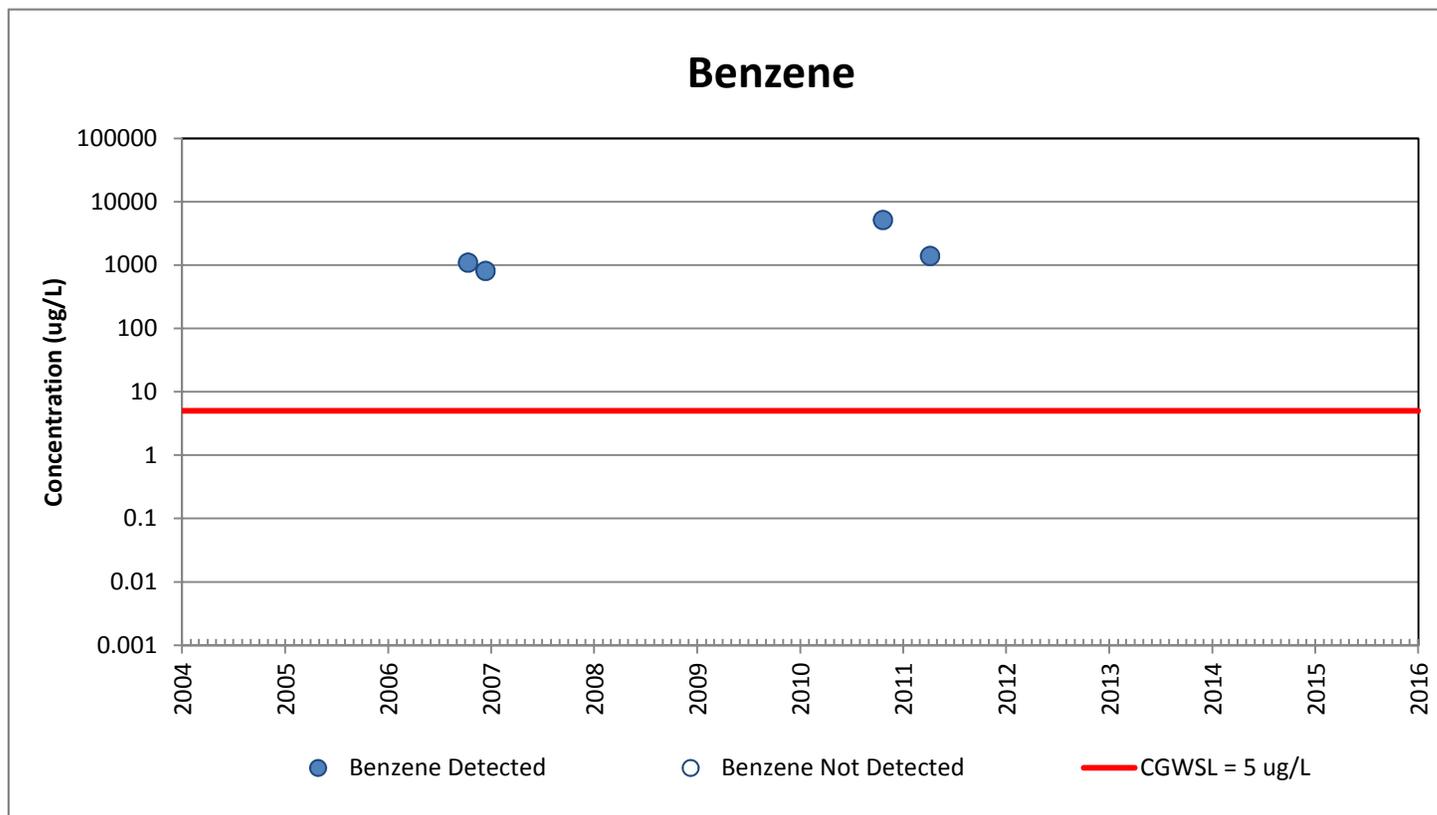
## GRO



## DRO

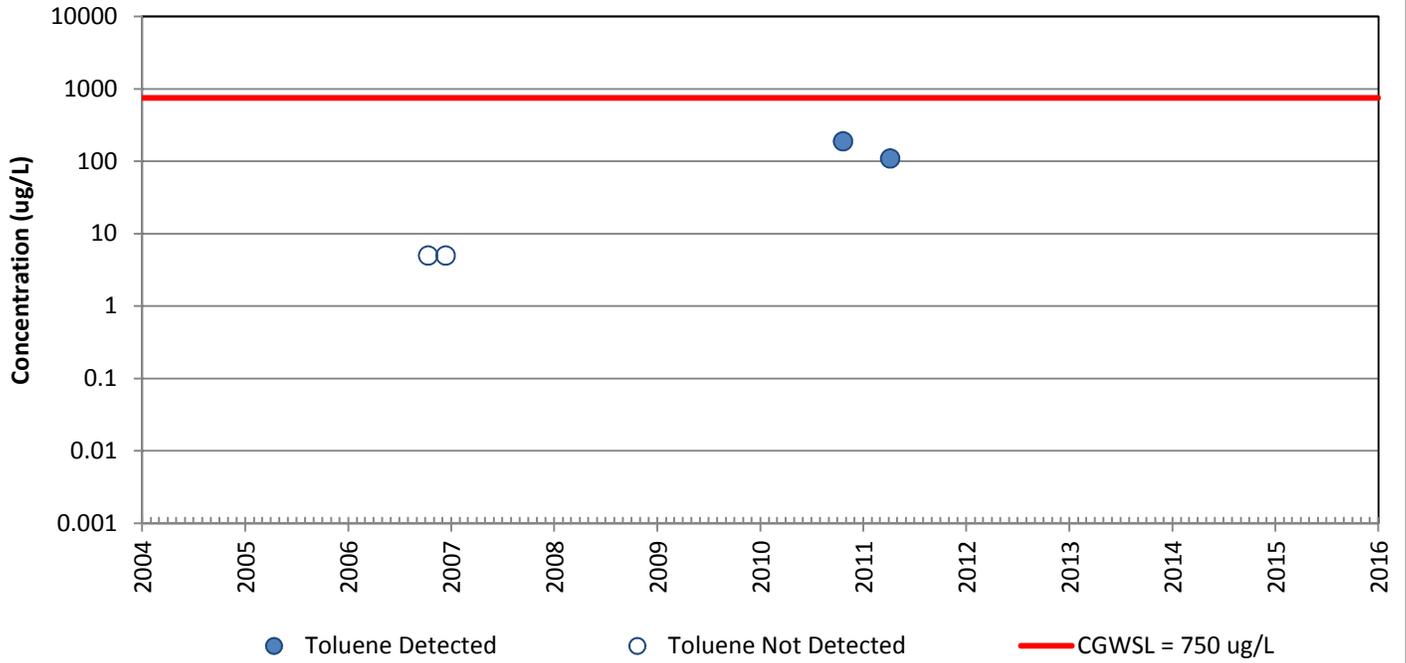


# KWB-2R

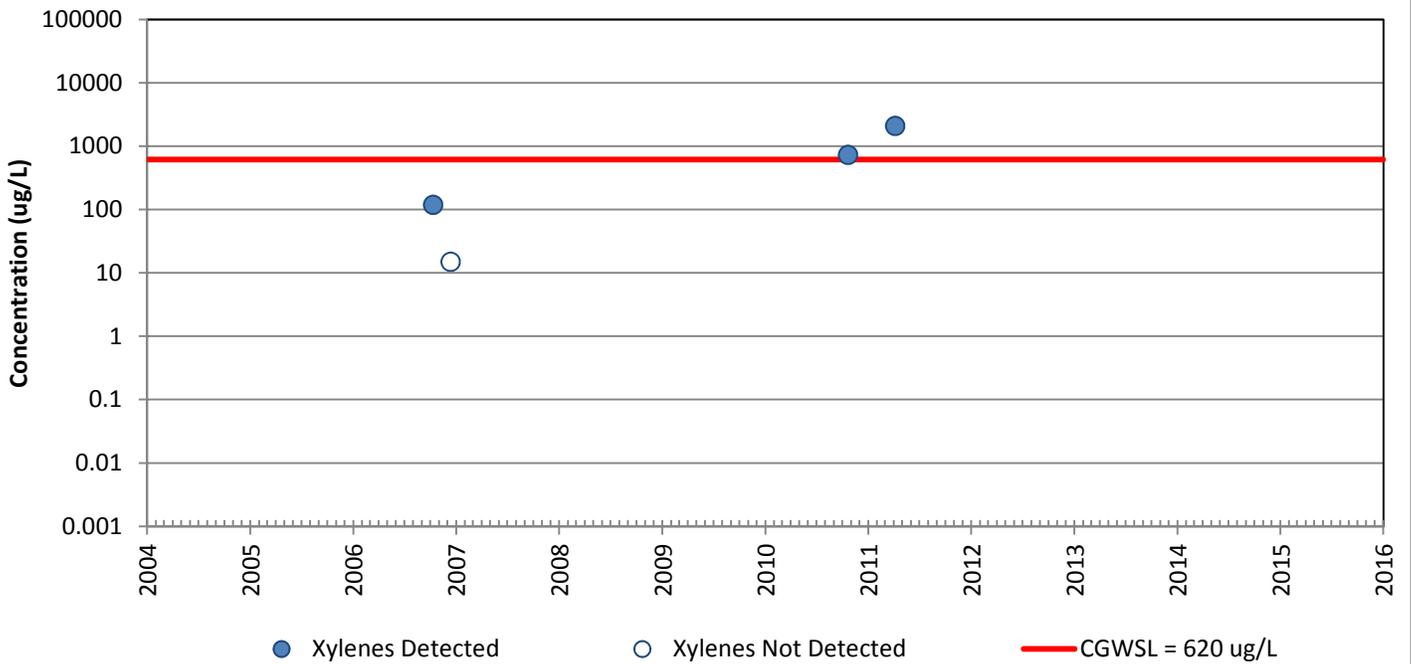


# KWB-2R

## Toluene

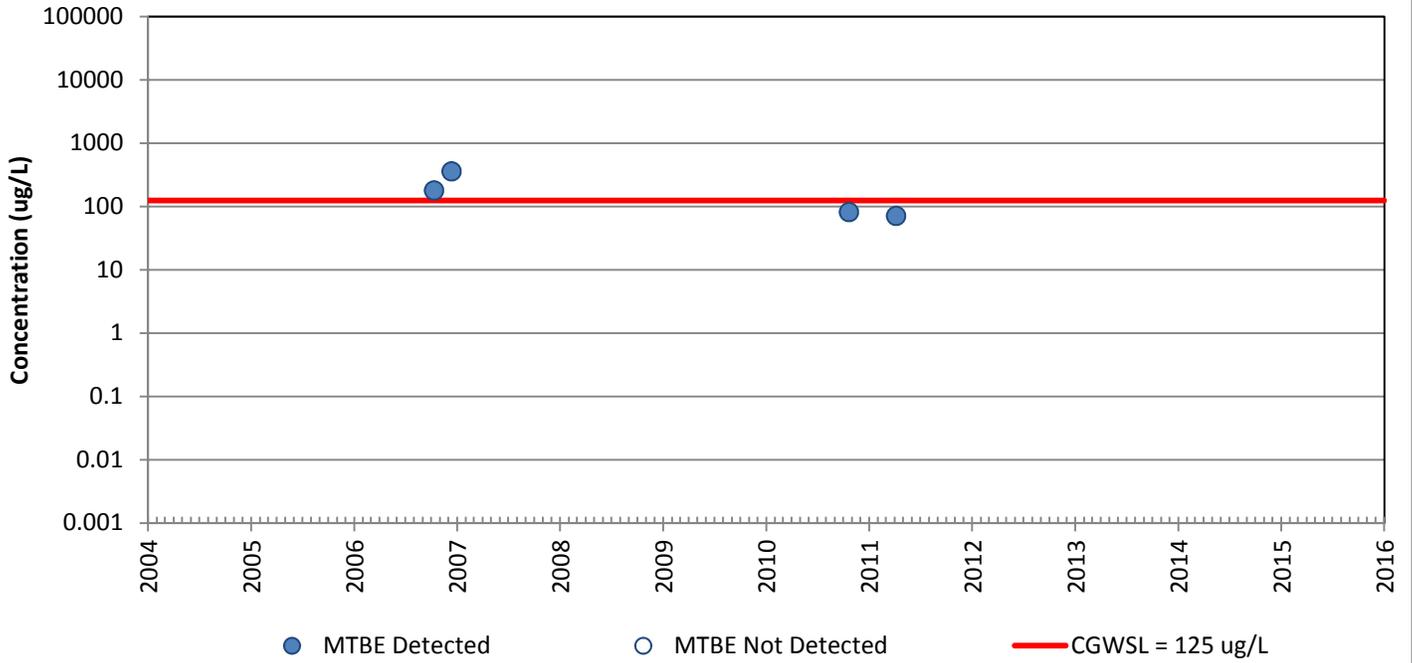


## Xylenes

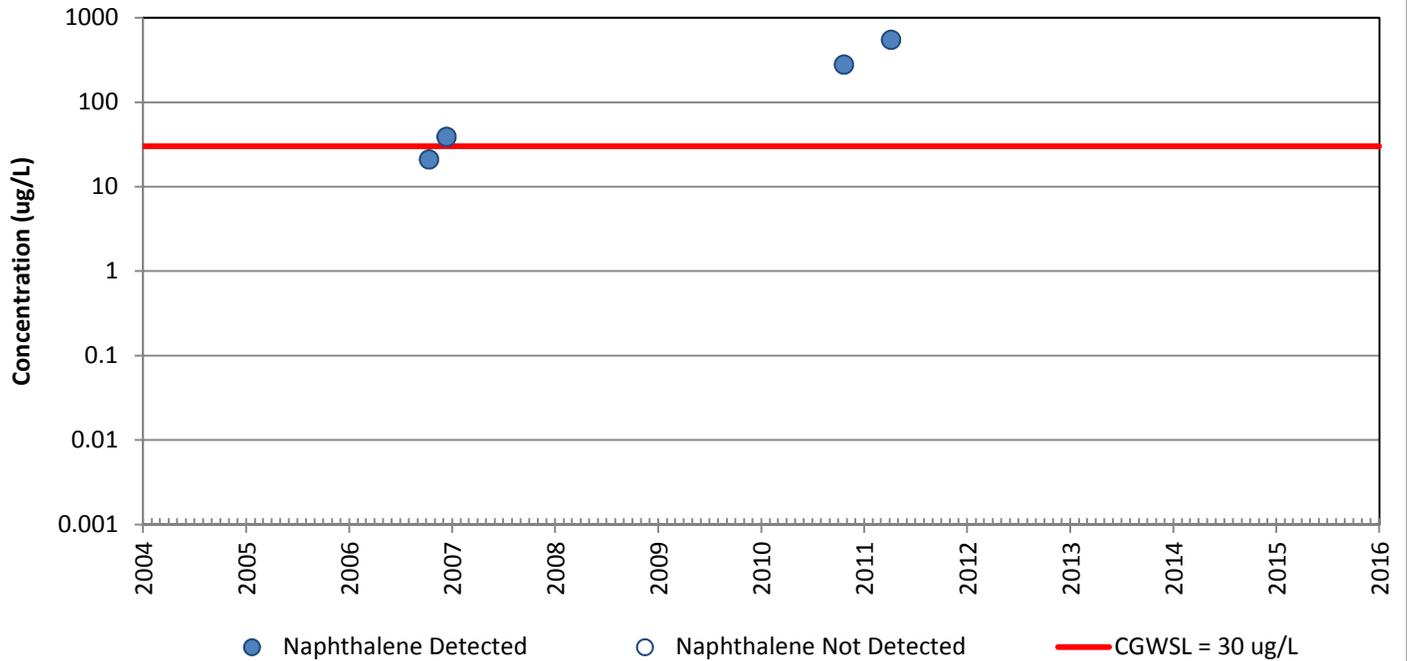


# KWB-2R

## MTBE

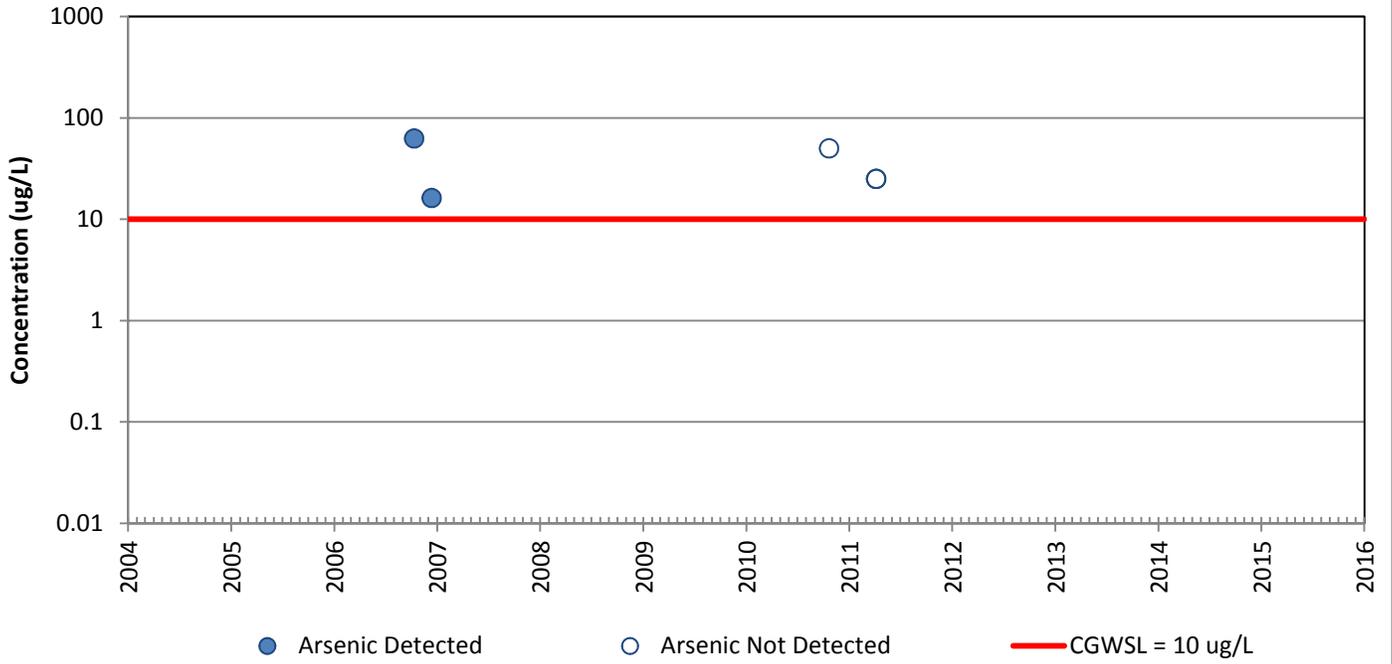


## Naphthalene

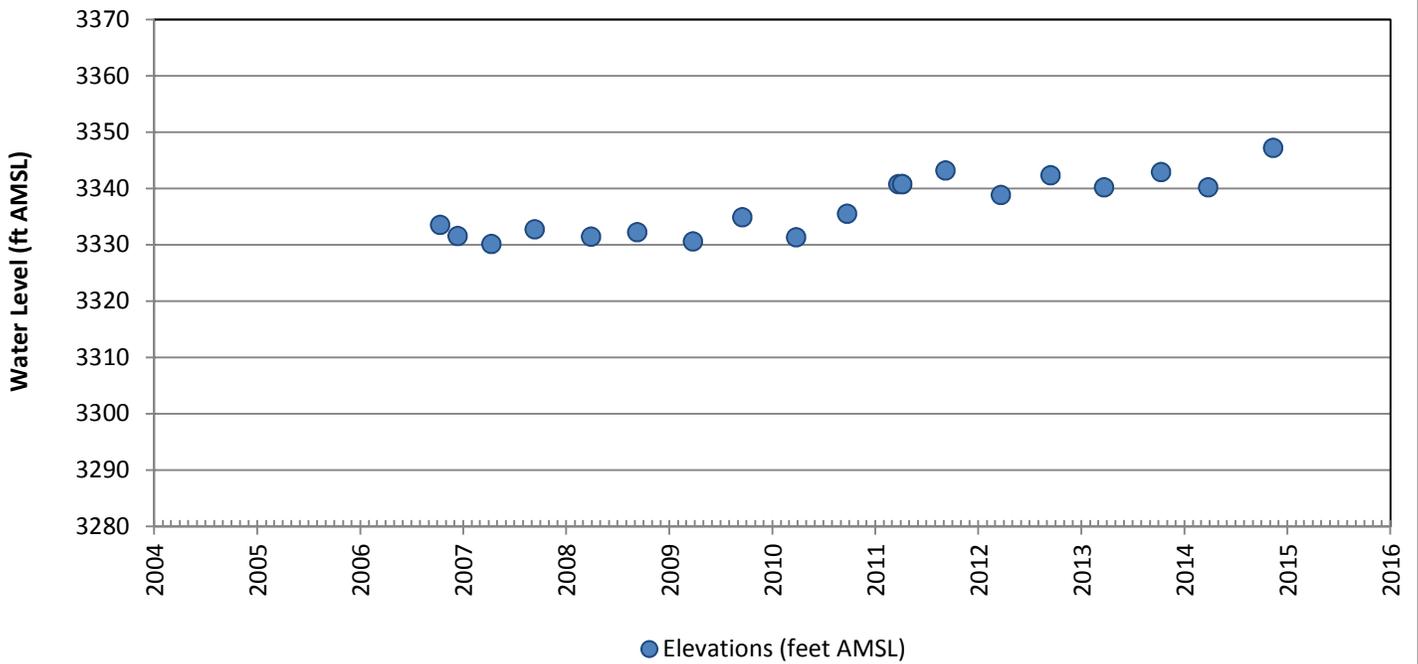


# KWB-2R

## Arsenic

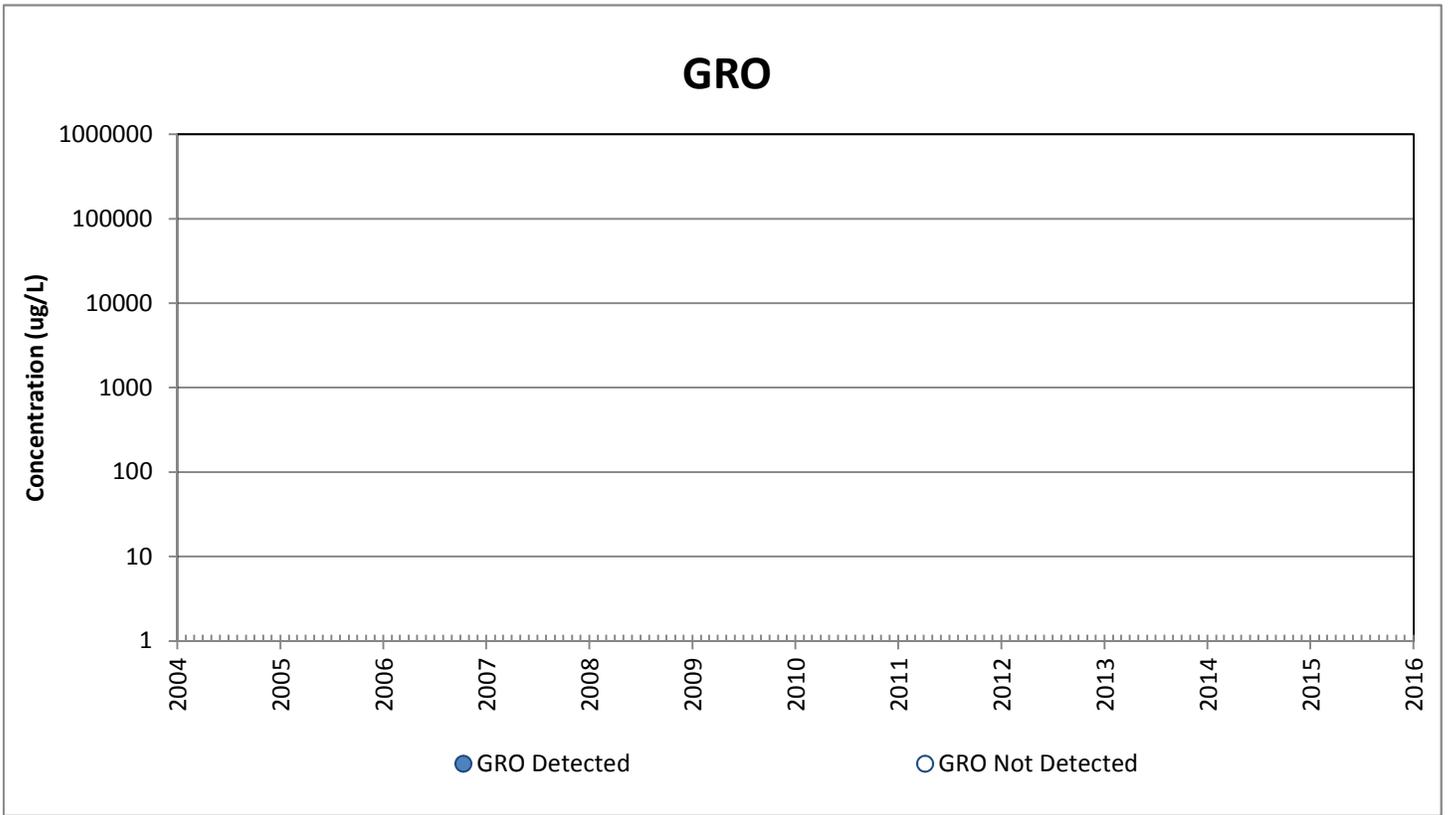


## Water Elevations

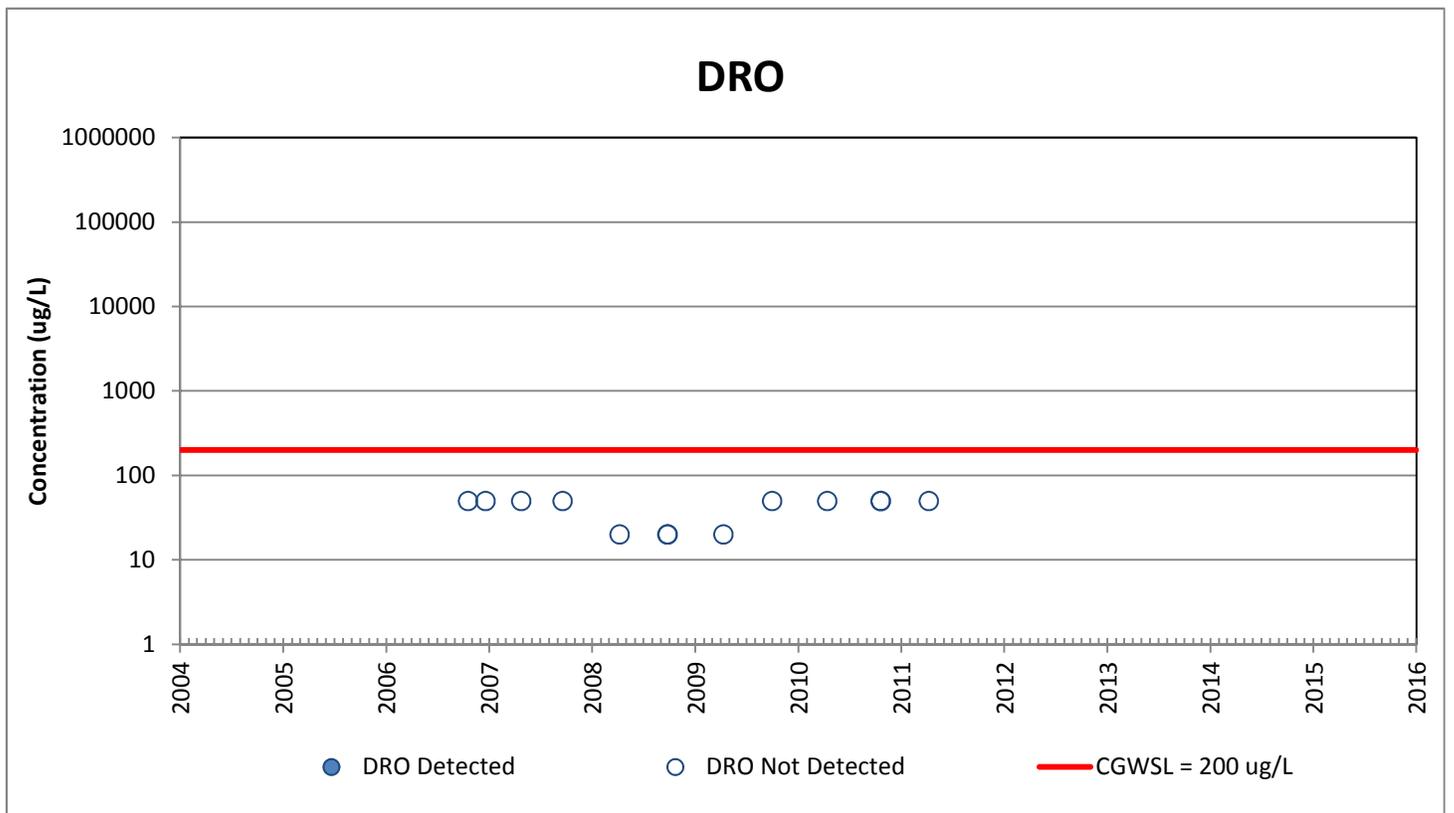


# KWB-3AR

## GRO

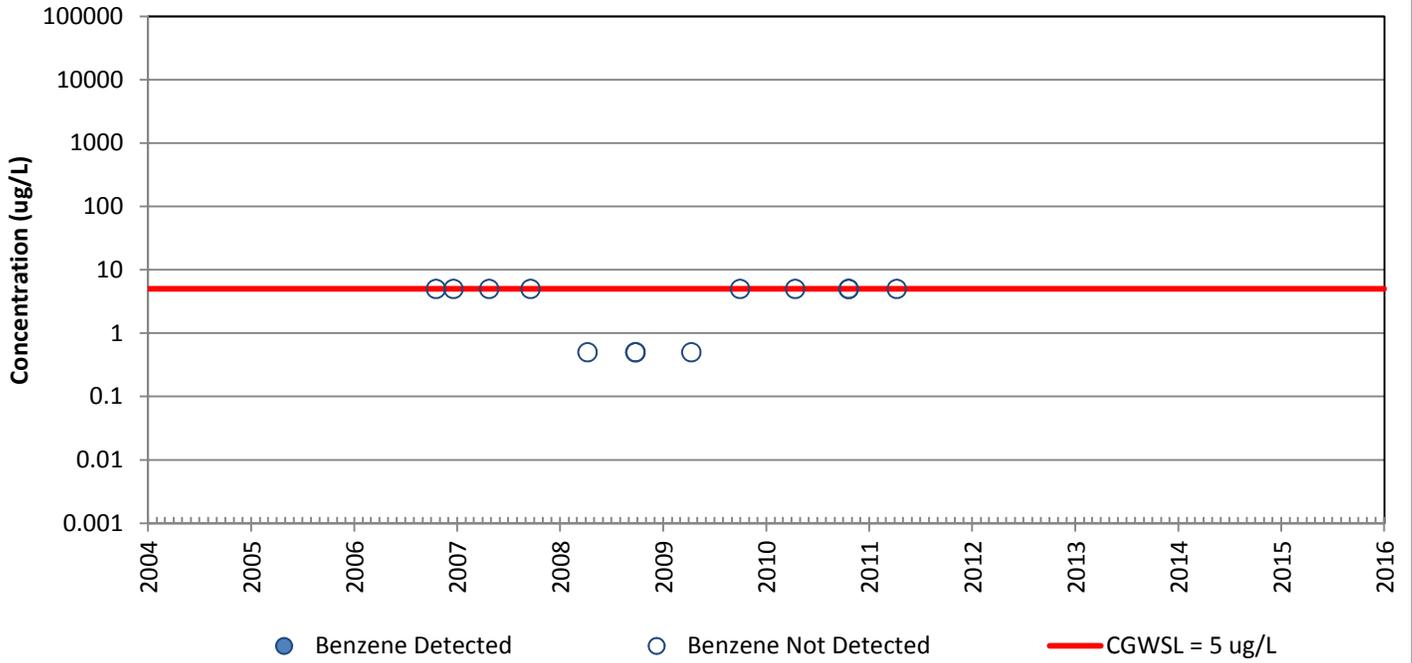


## DRO

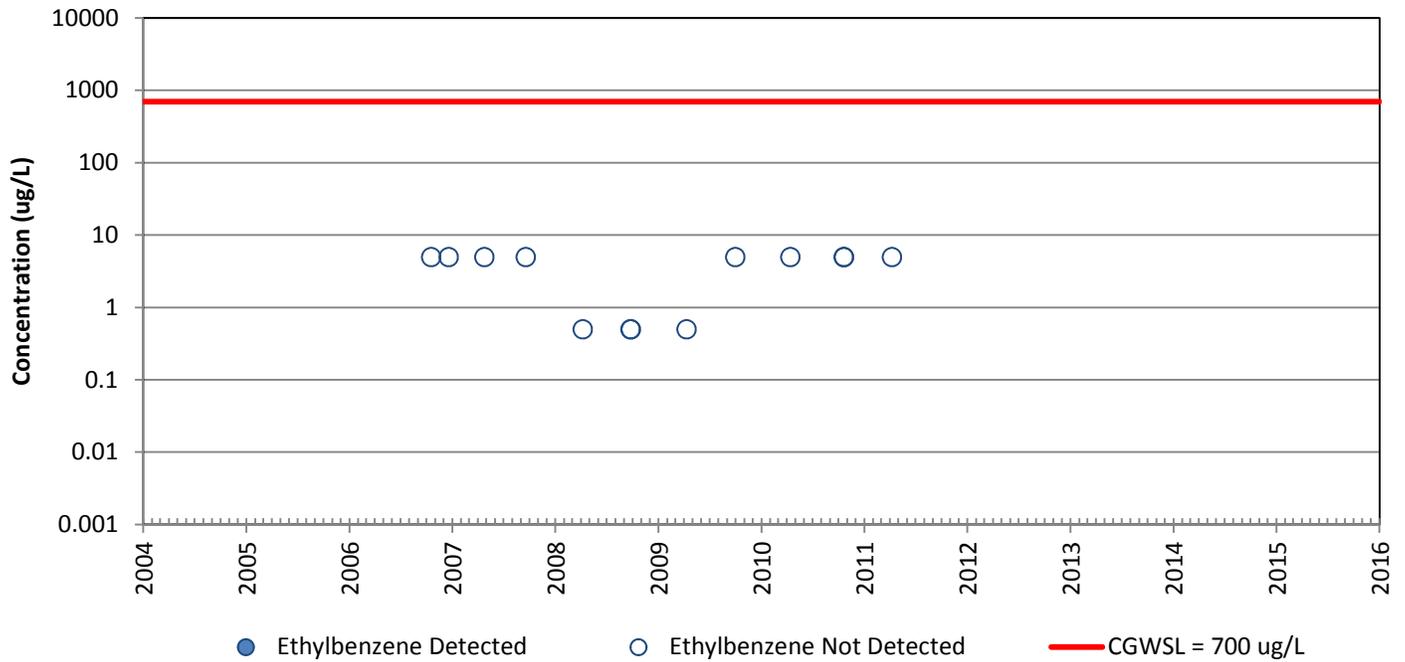


# KWB-3AR

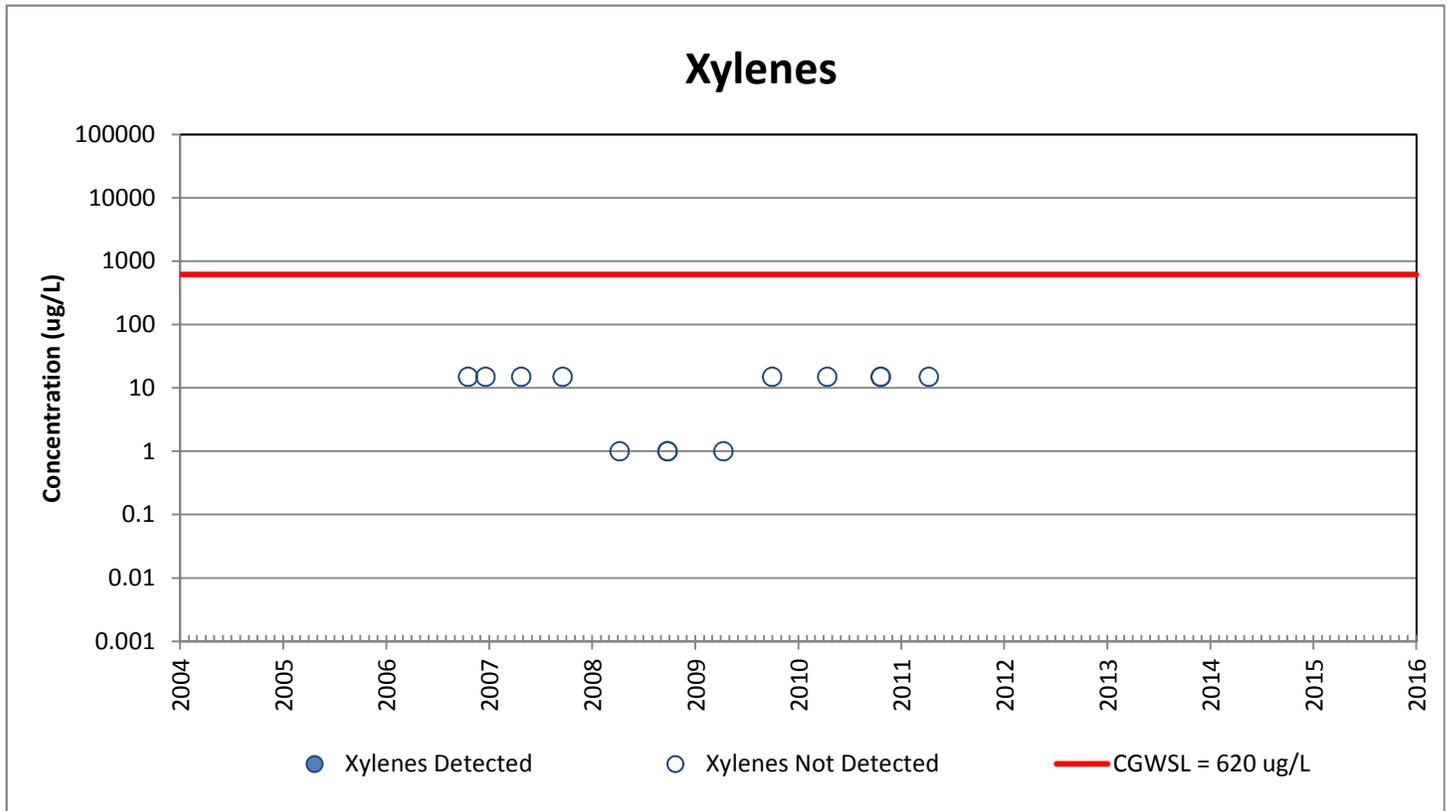
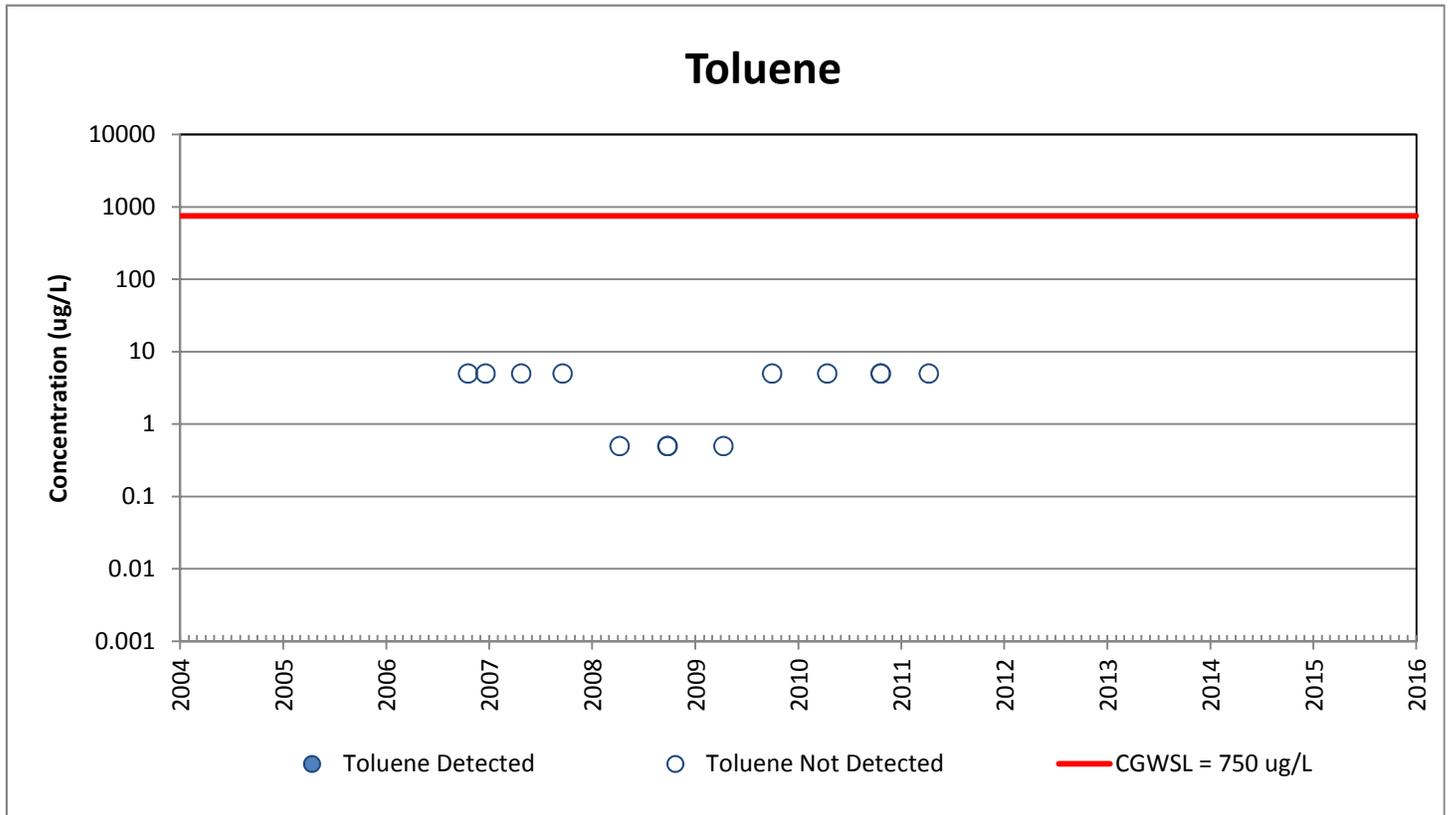
## Benzene



## Ethylbenzene

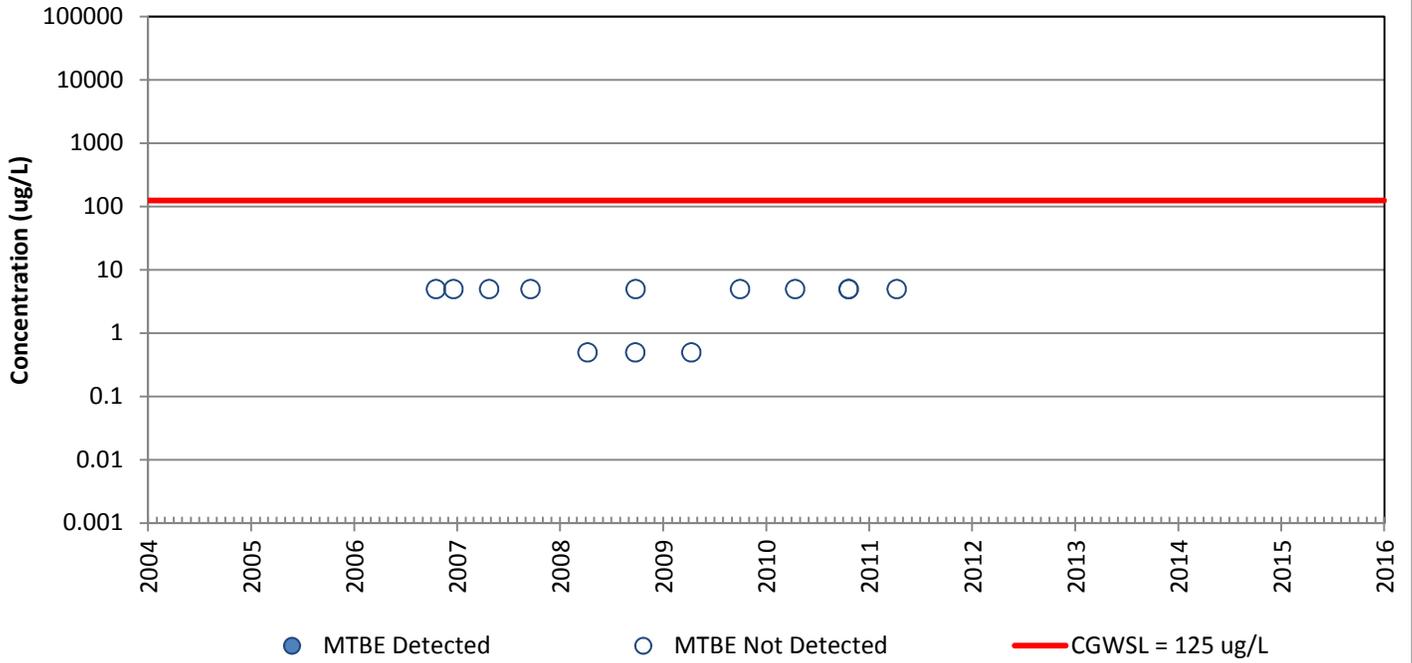


# KWB-3AR

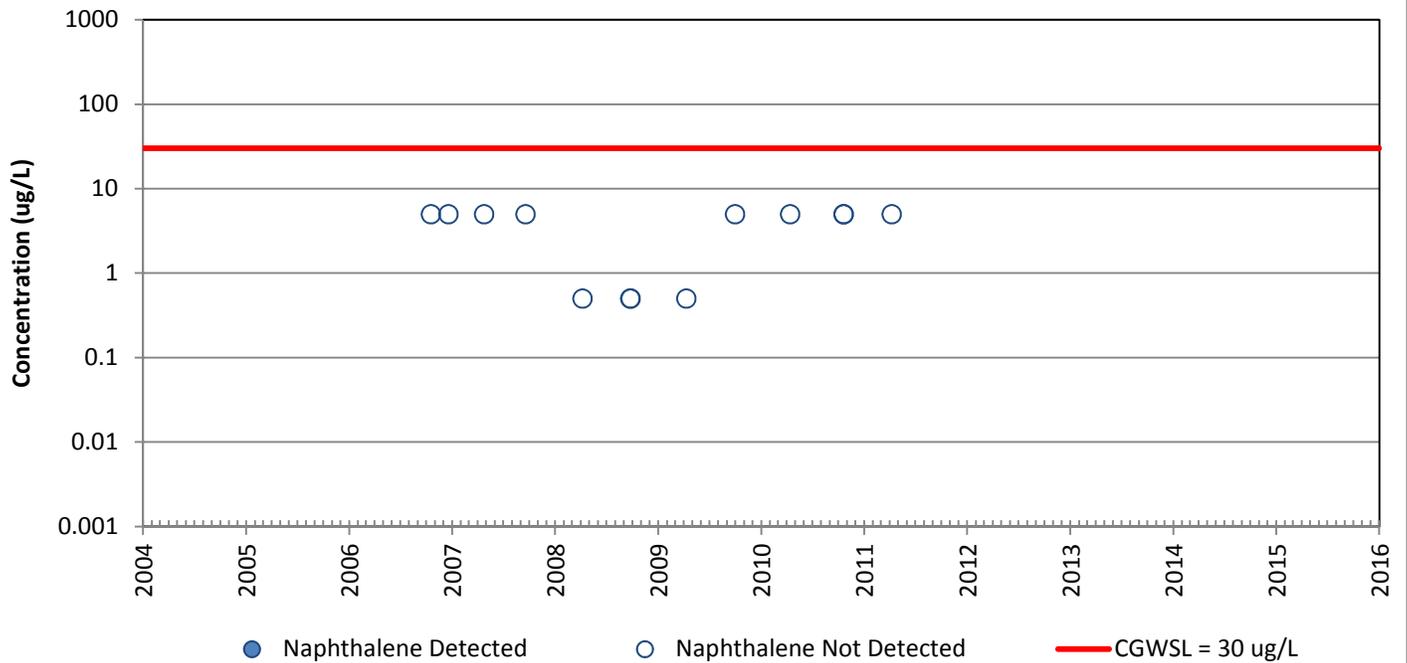


# KWB-3AR

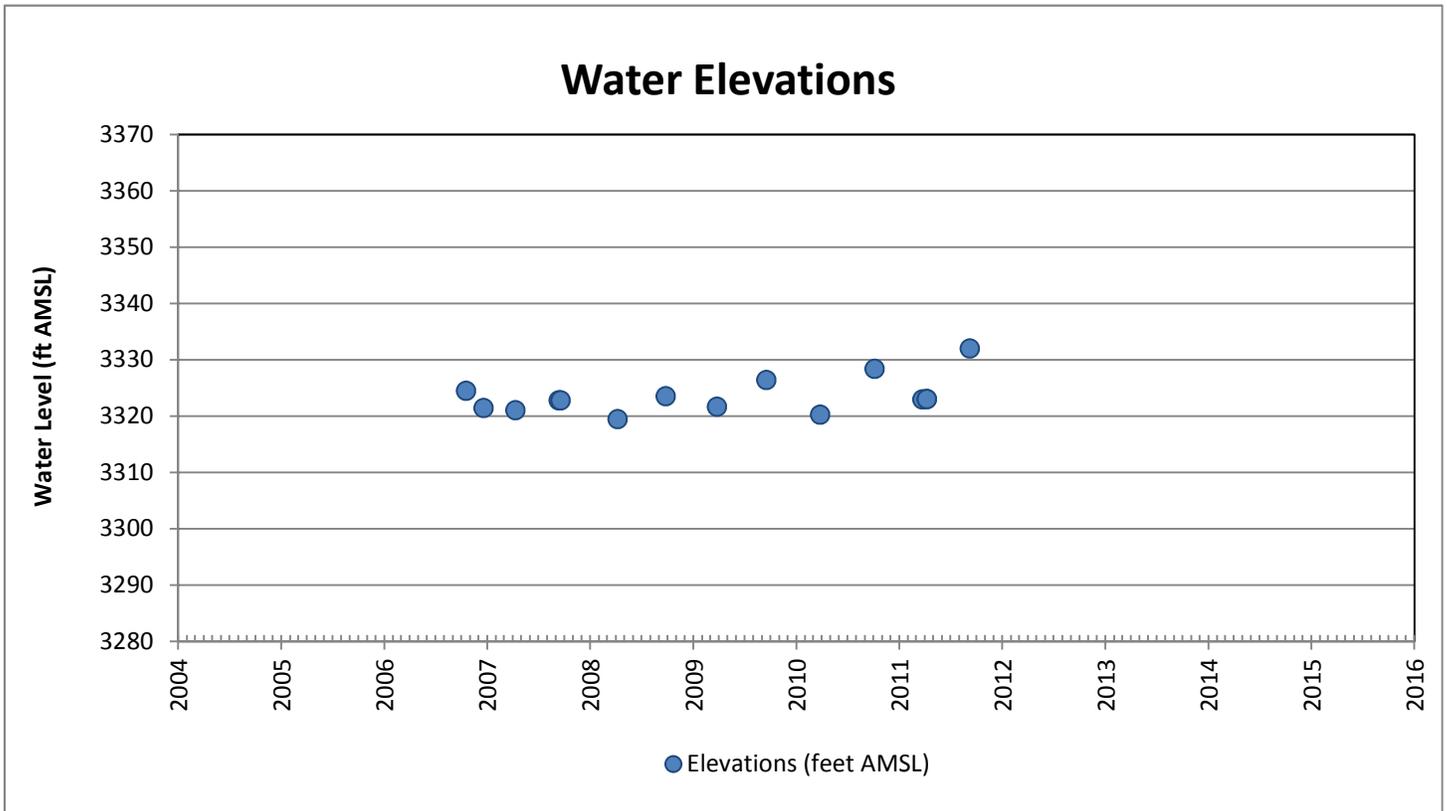
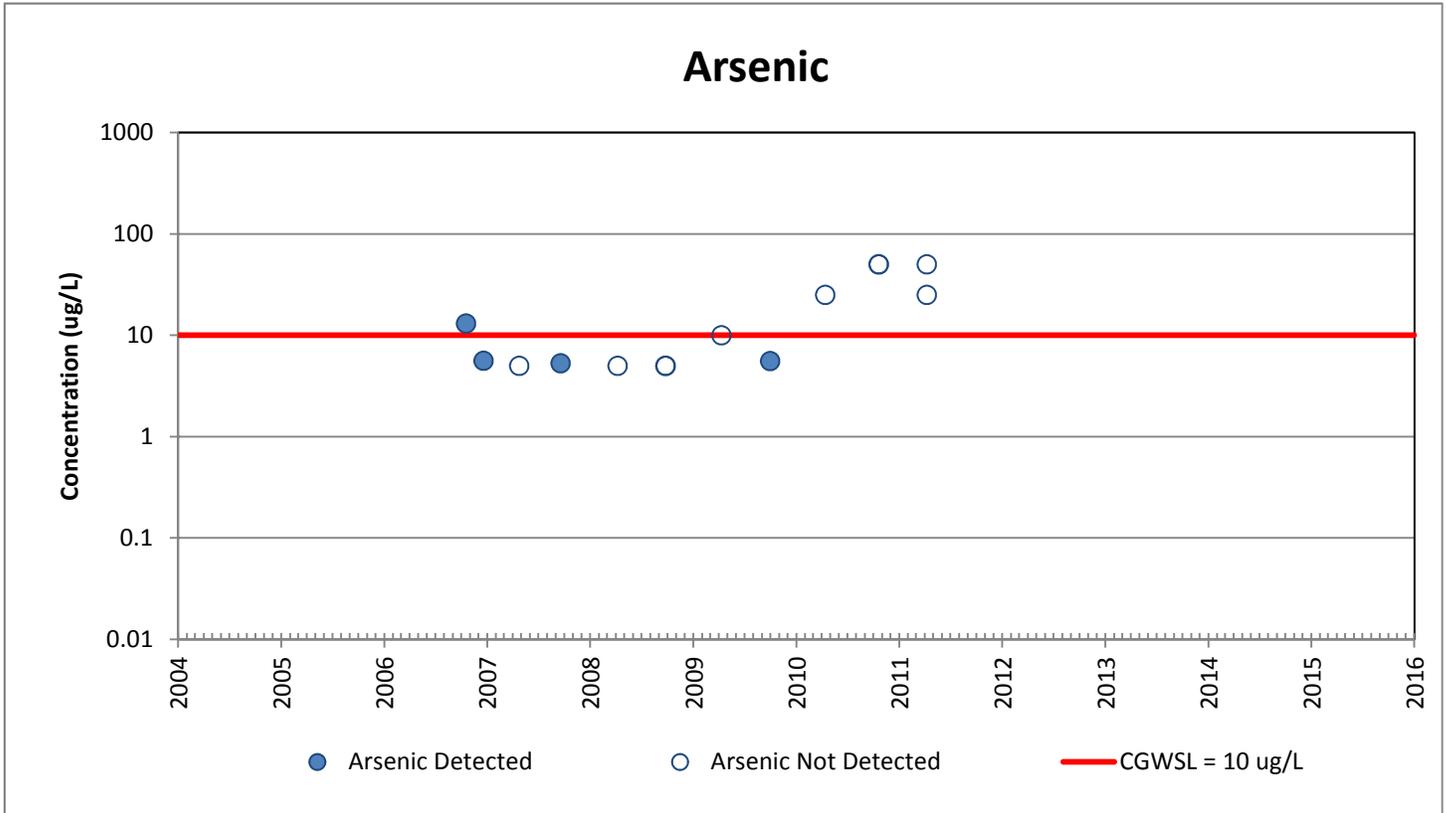
## MTBE



## Naphthalene

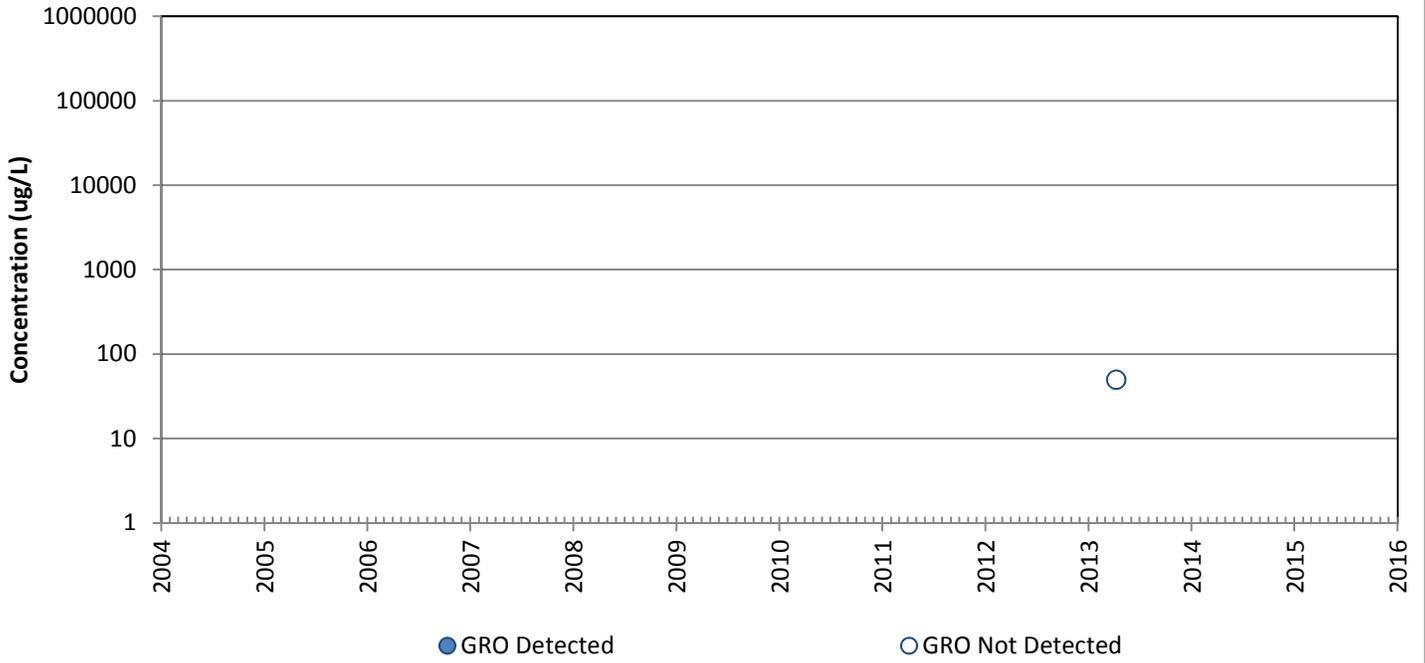


# KWB-3AR

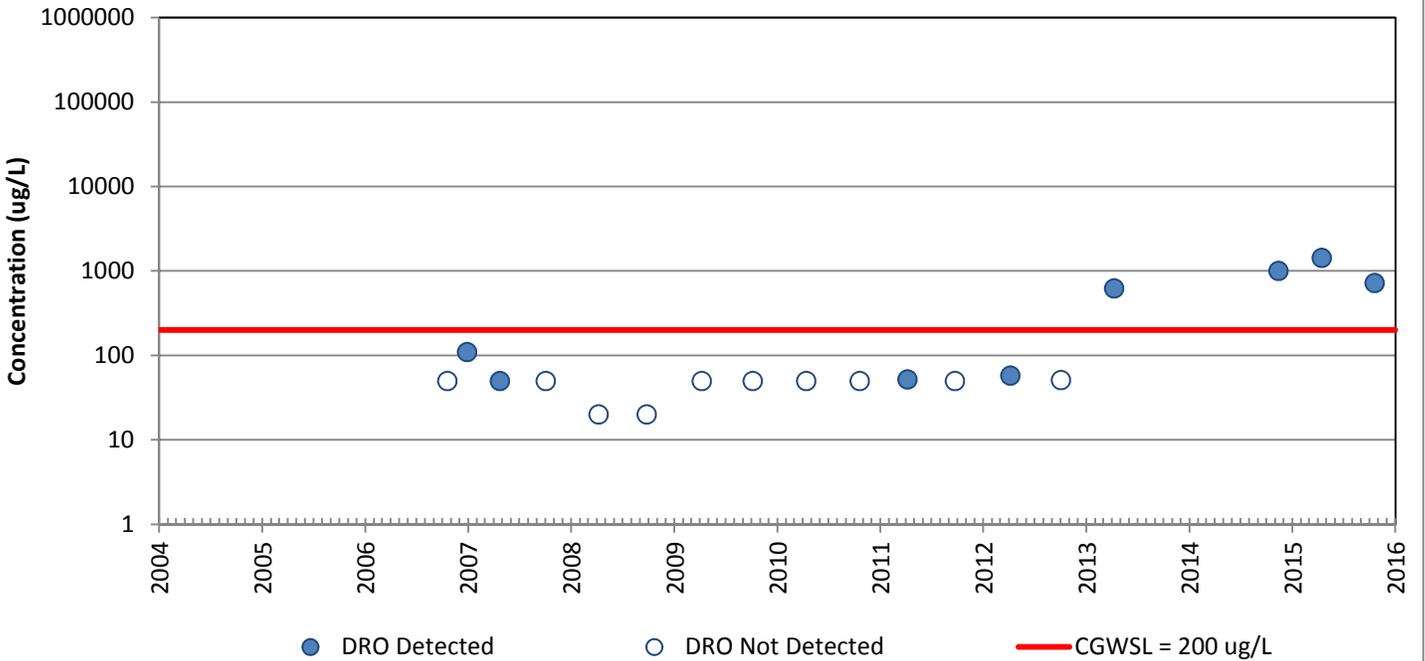


# KWB-7

## GRO

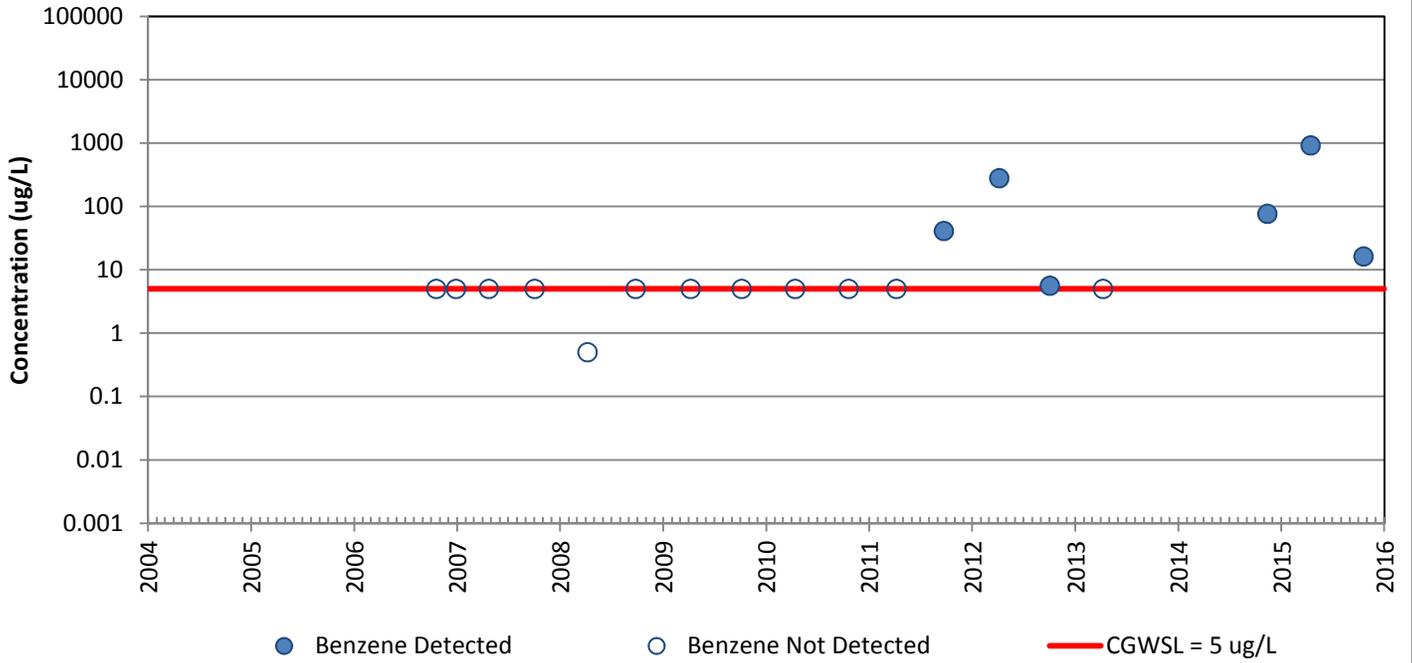


## DRO

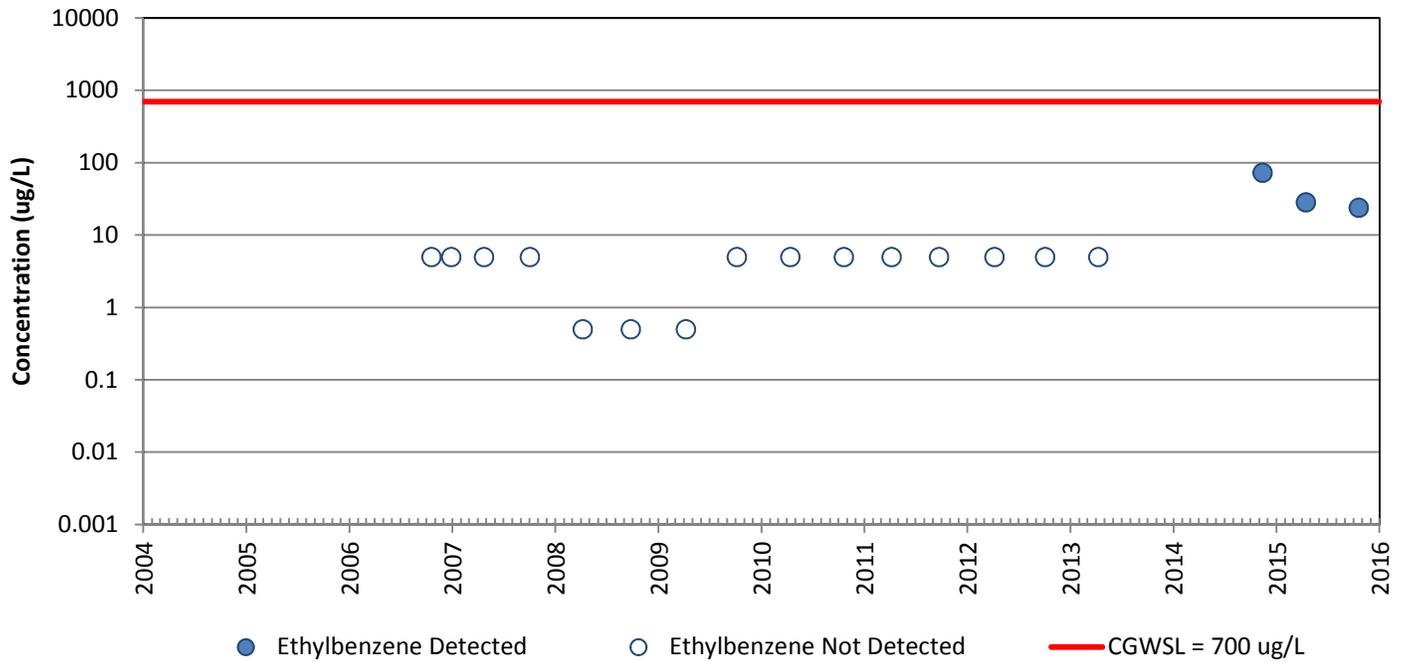


# KWB-7

## Benzene

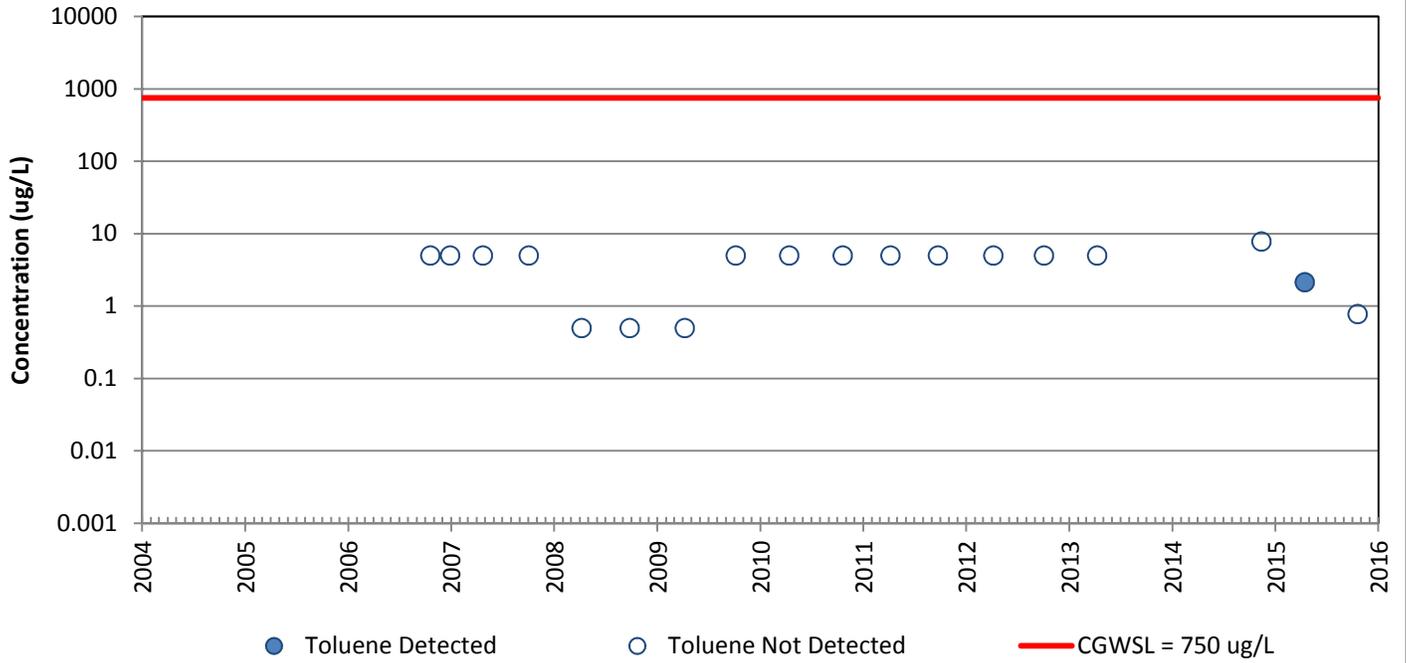


## Ethylbenzene

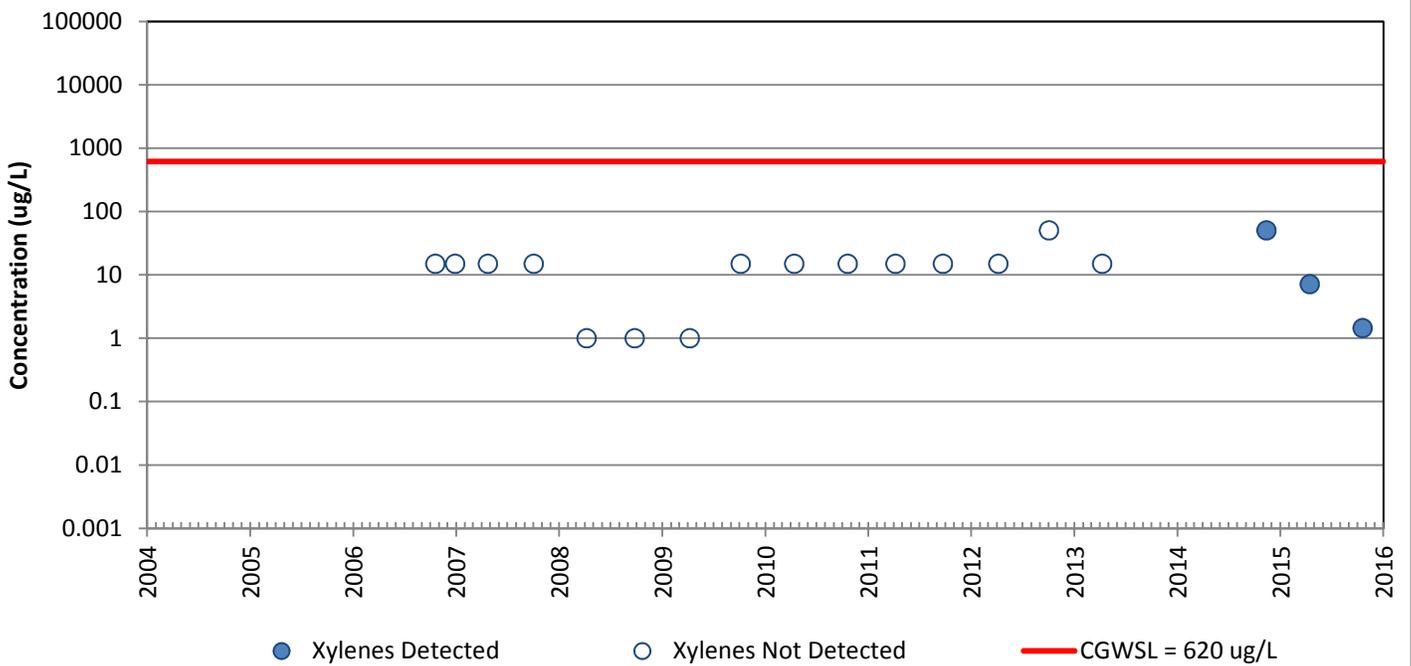


# KWB-7

## Toluene

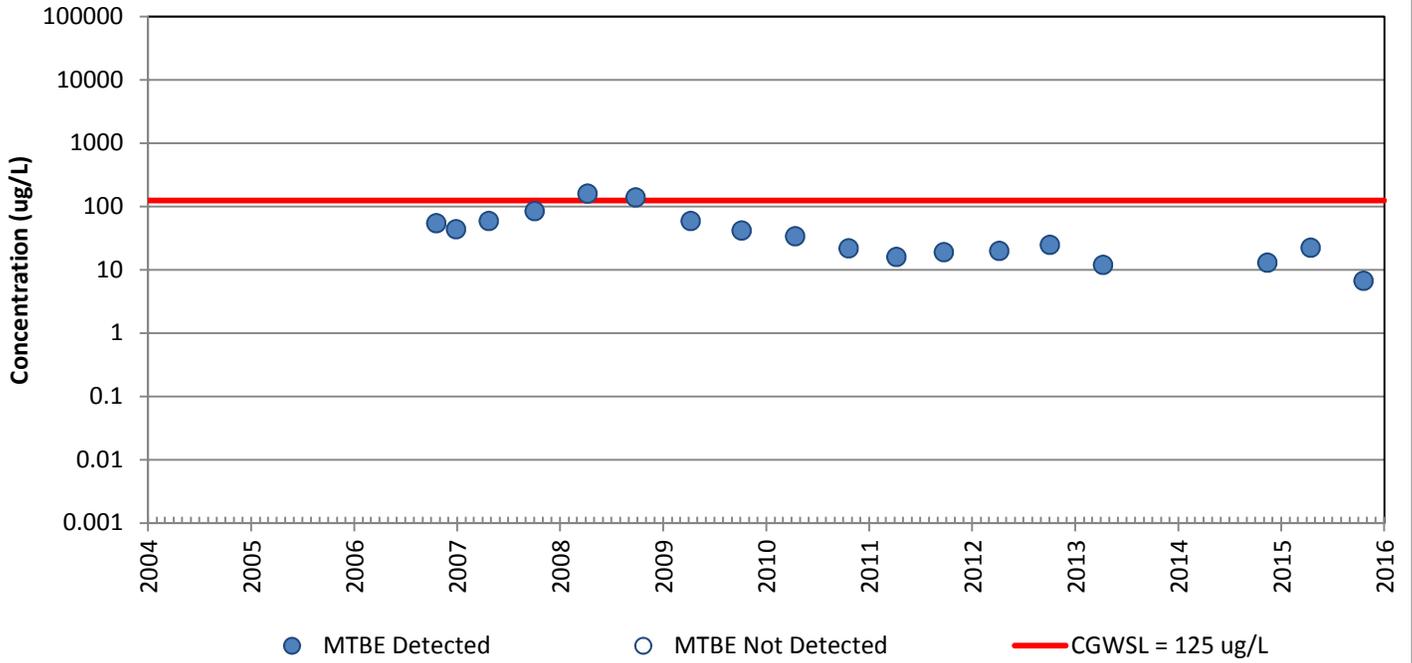


## Xylenes

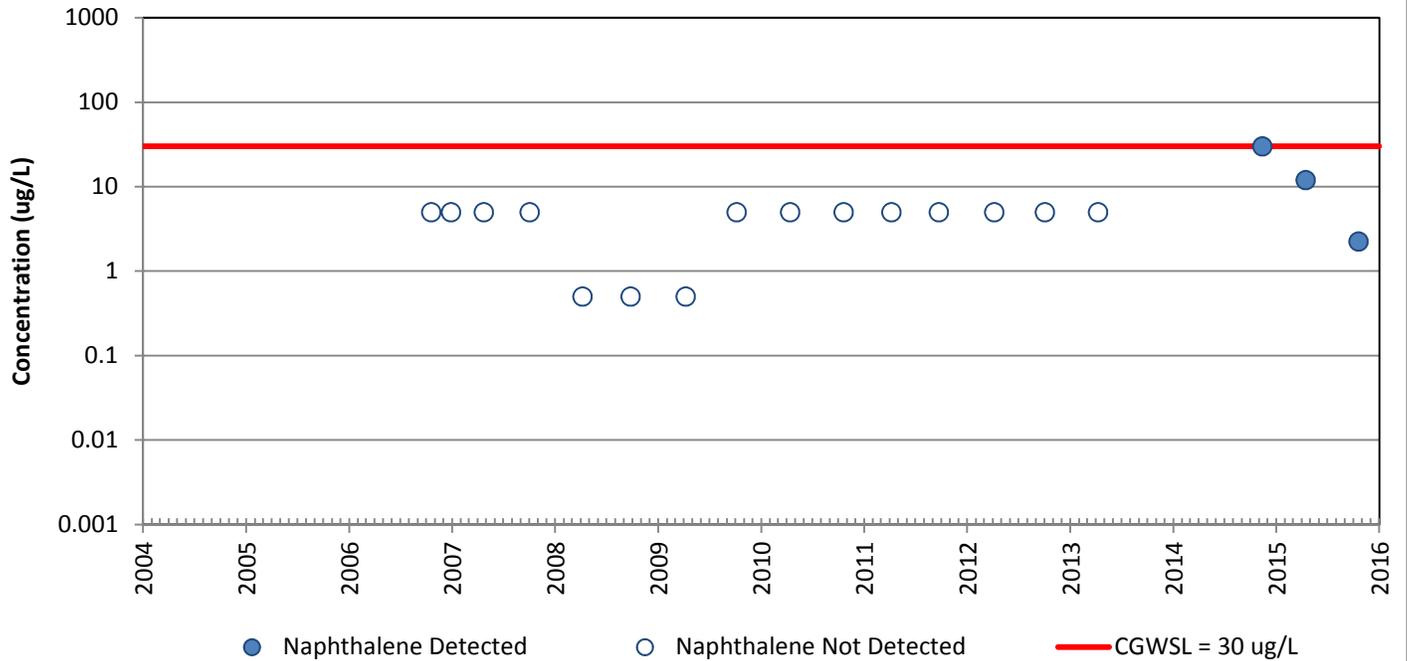


# KWB-7

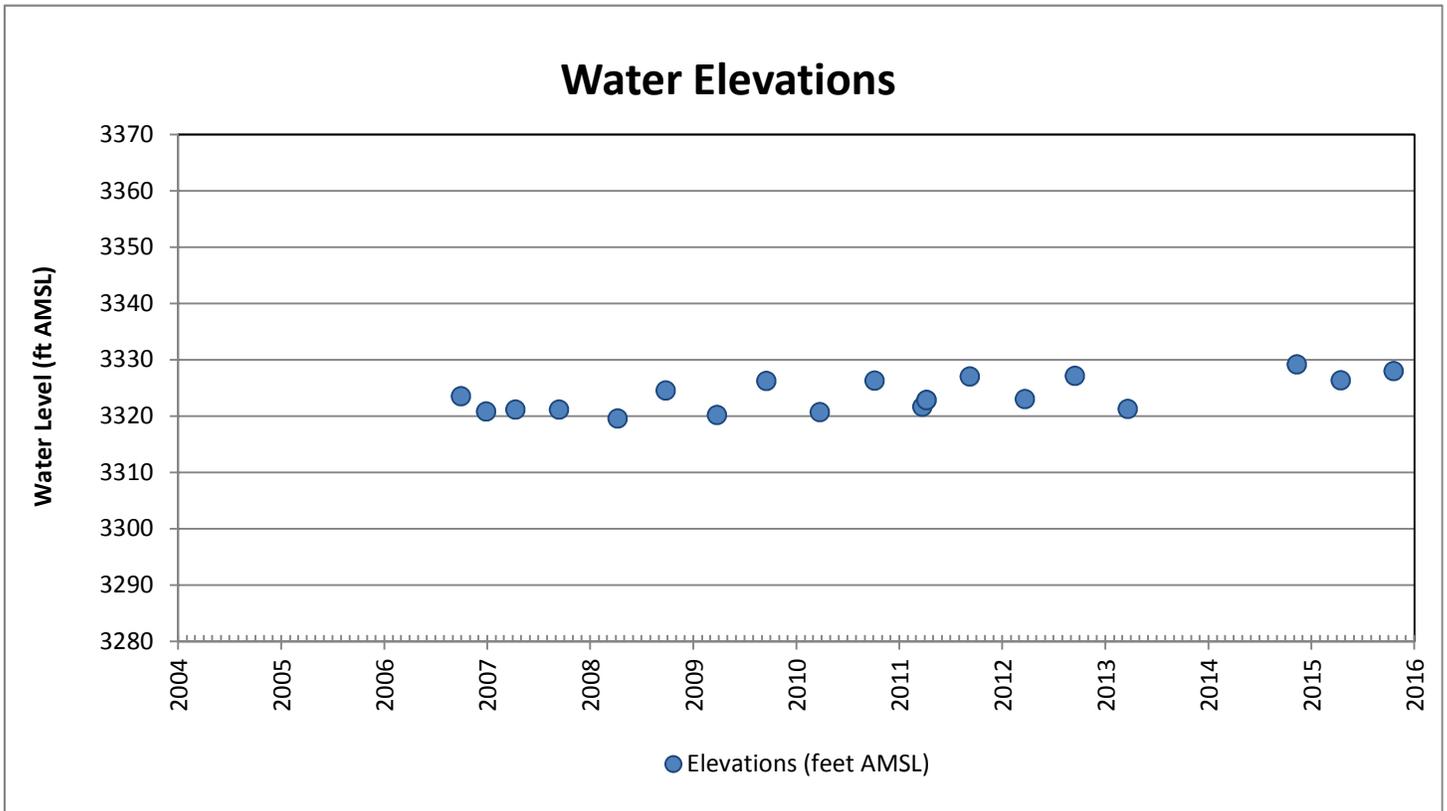
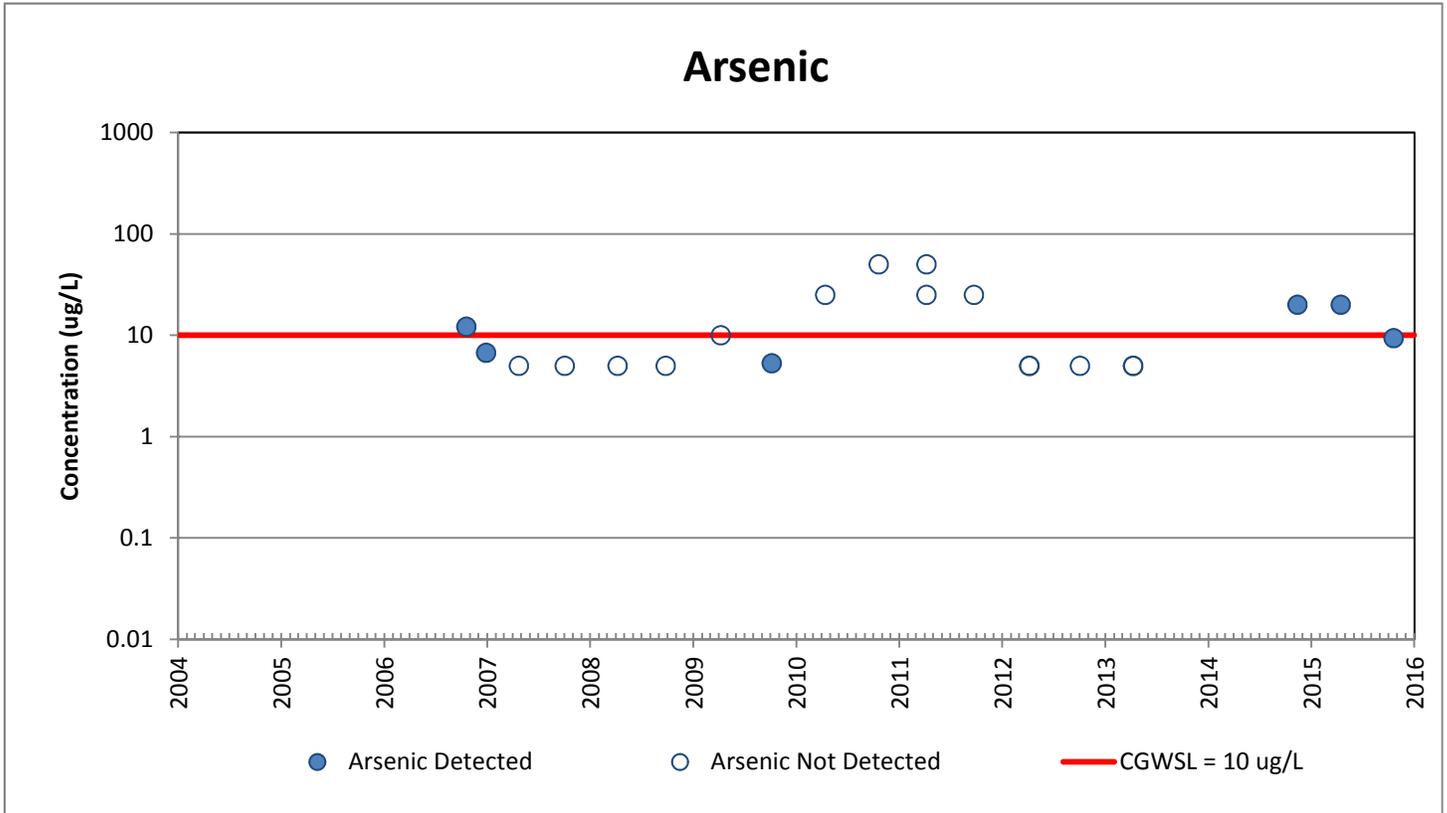
## MTBE



## Naphthalene



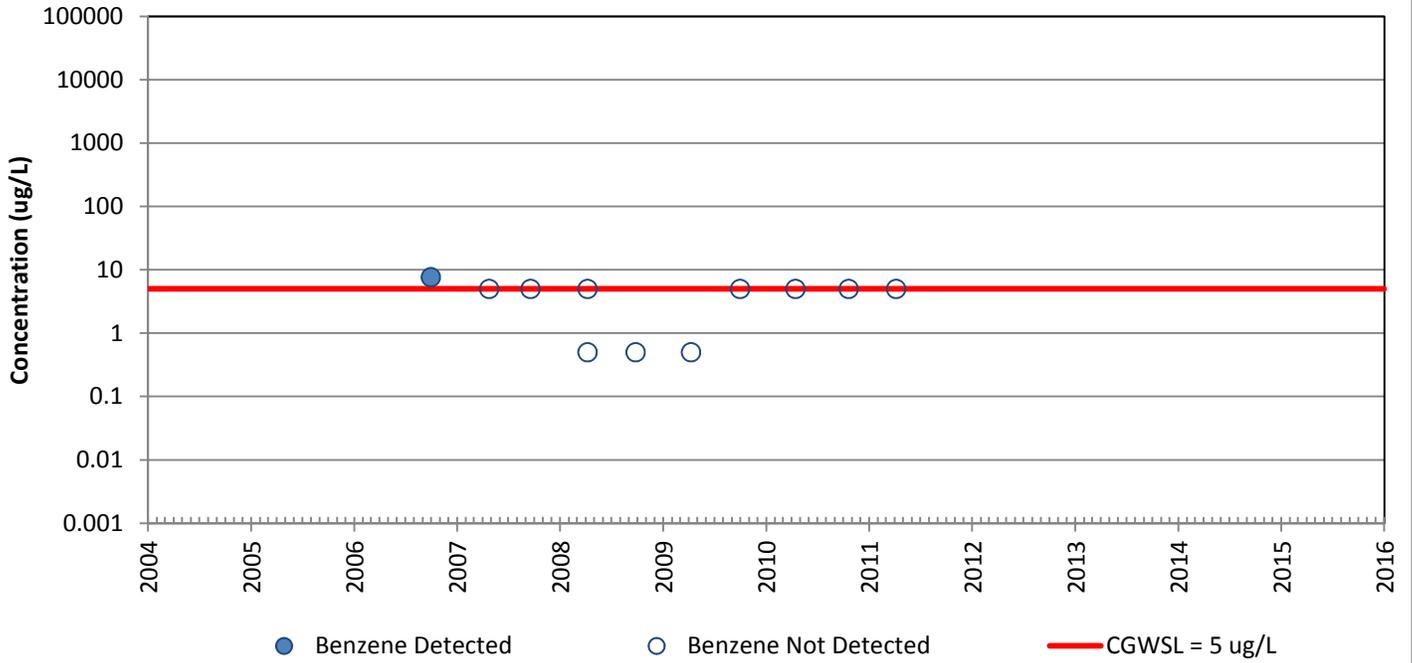
# KWB-7



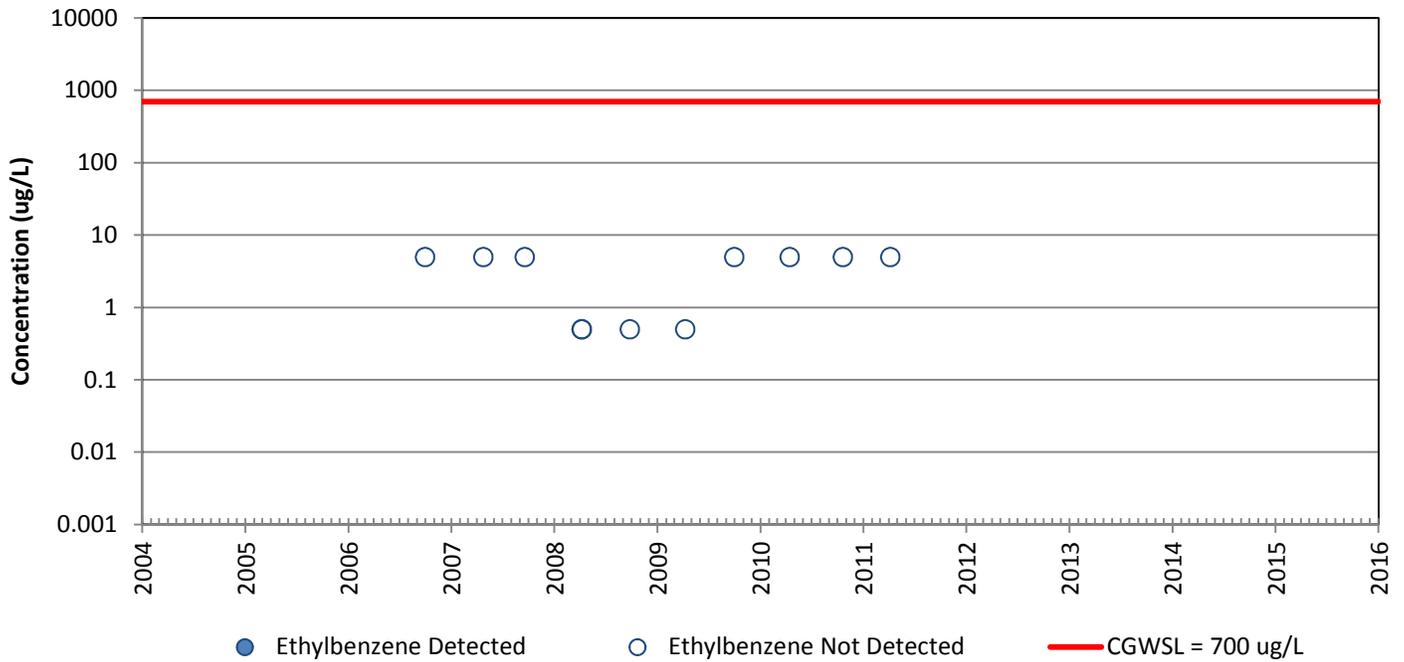


# KWB-9

## Benzene

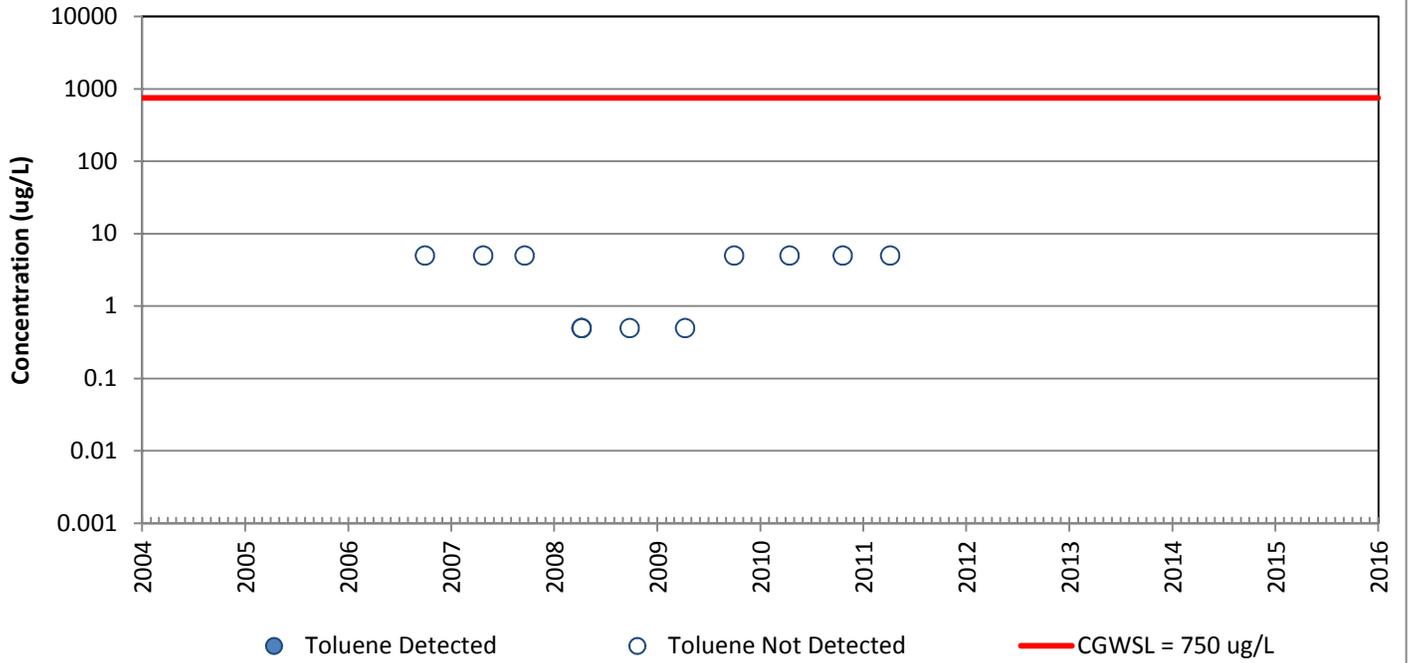


## Ethylbenzene

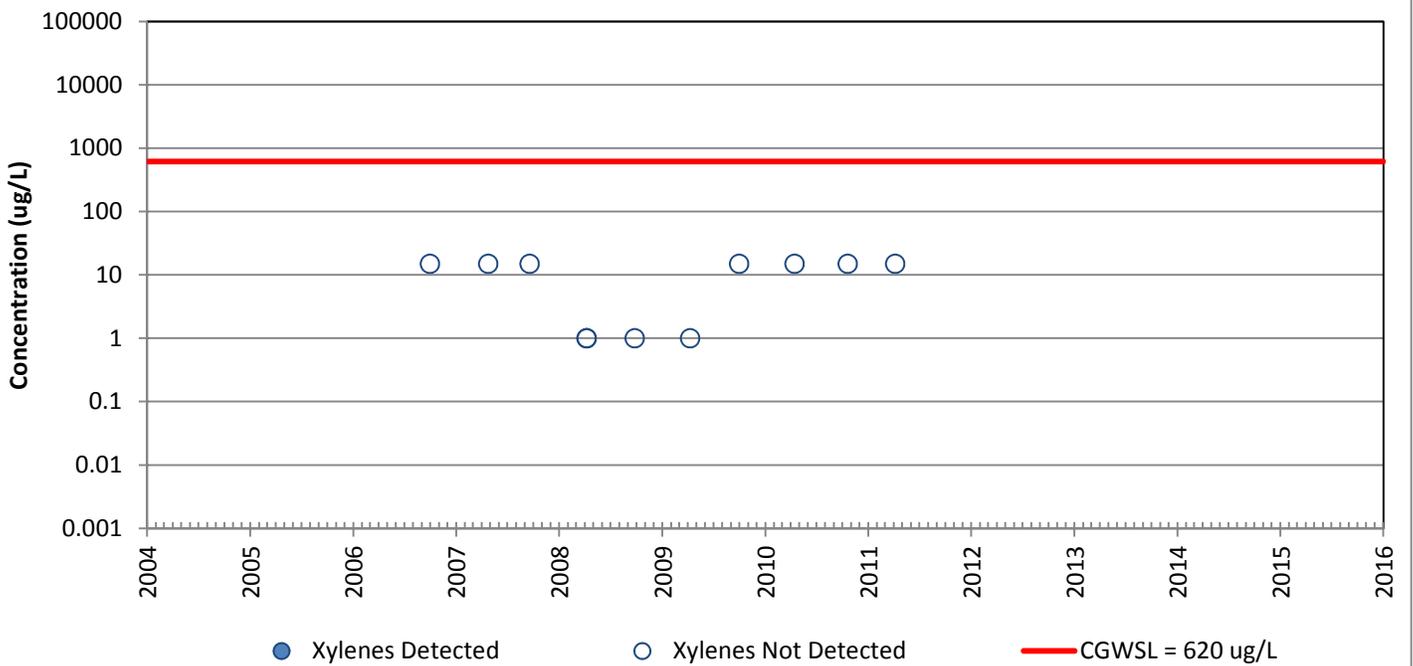


# KWB-9

## Toluene

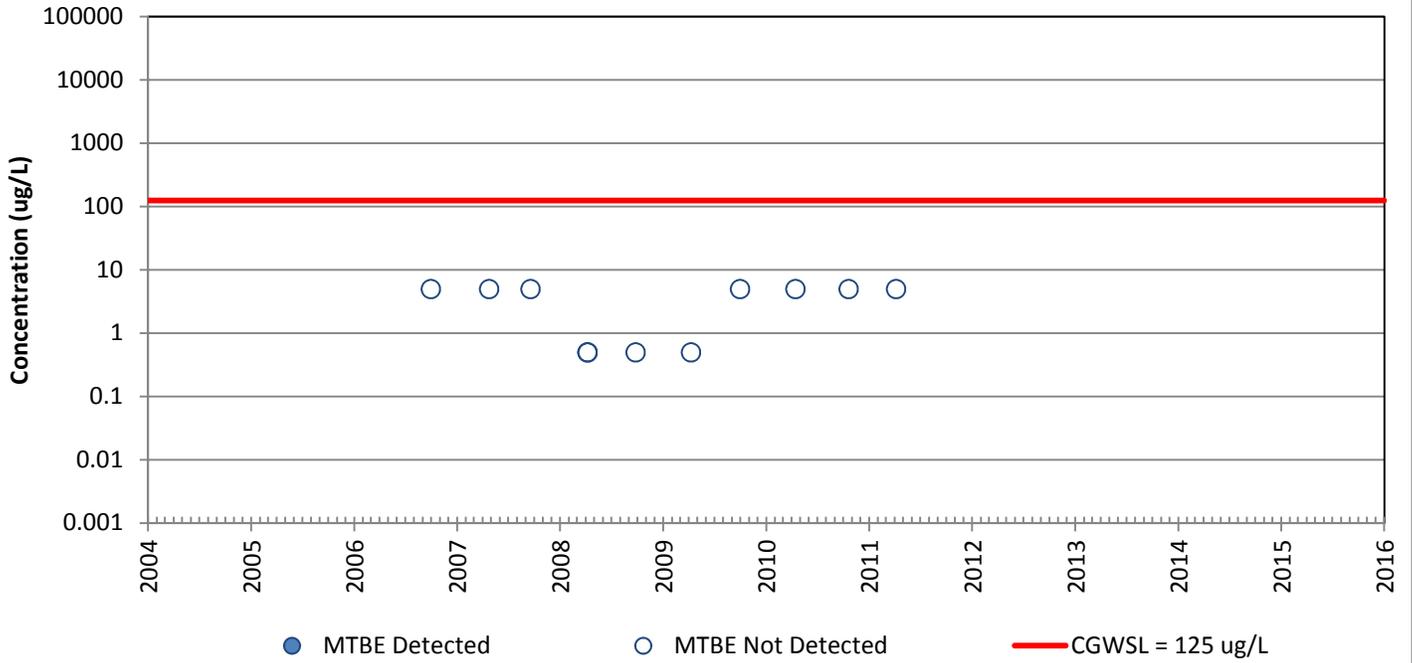


## Xylenes

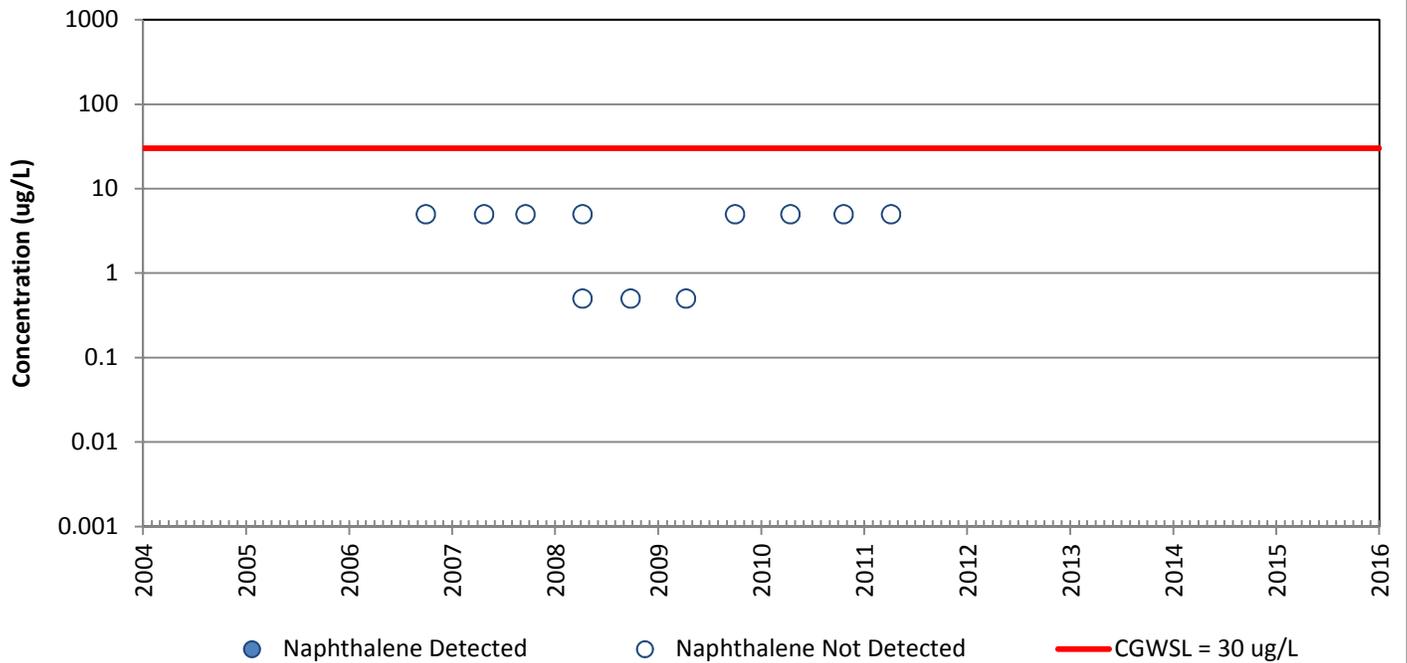


# KWB-9

## MTBE

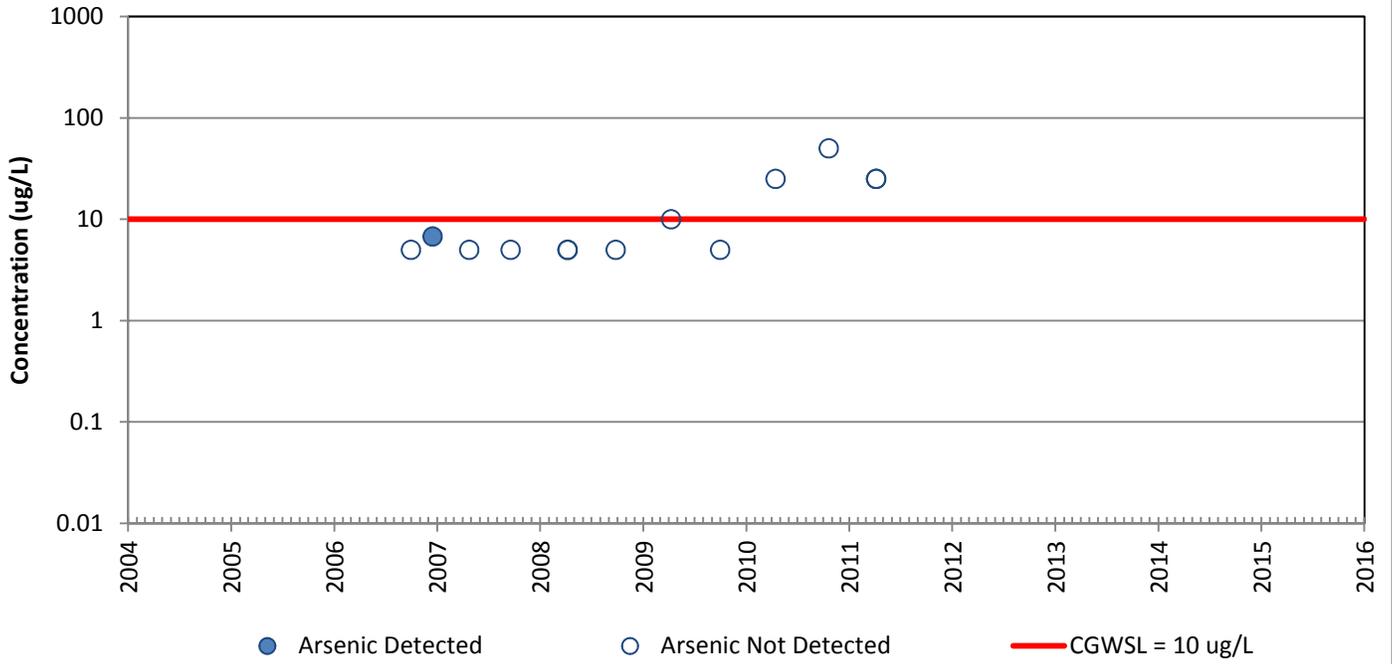


## Naphthalene

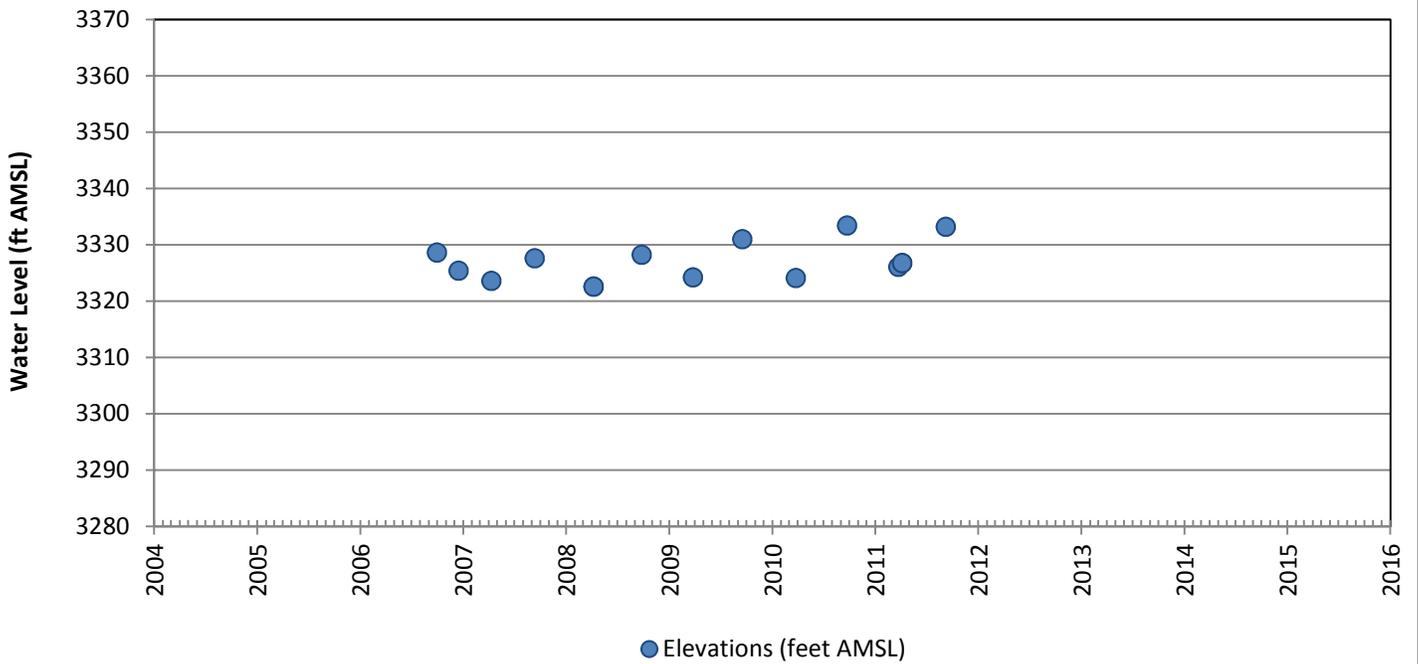


# KWB-9

## Arsenic

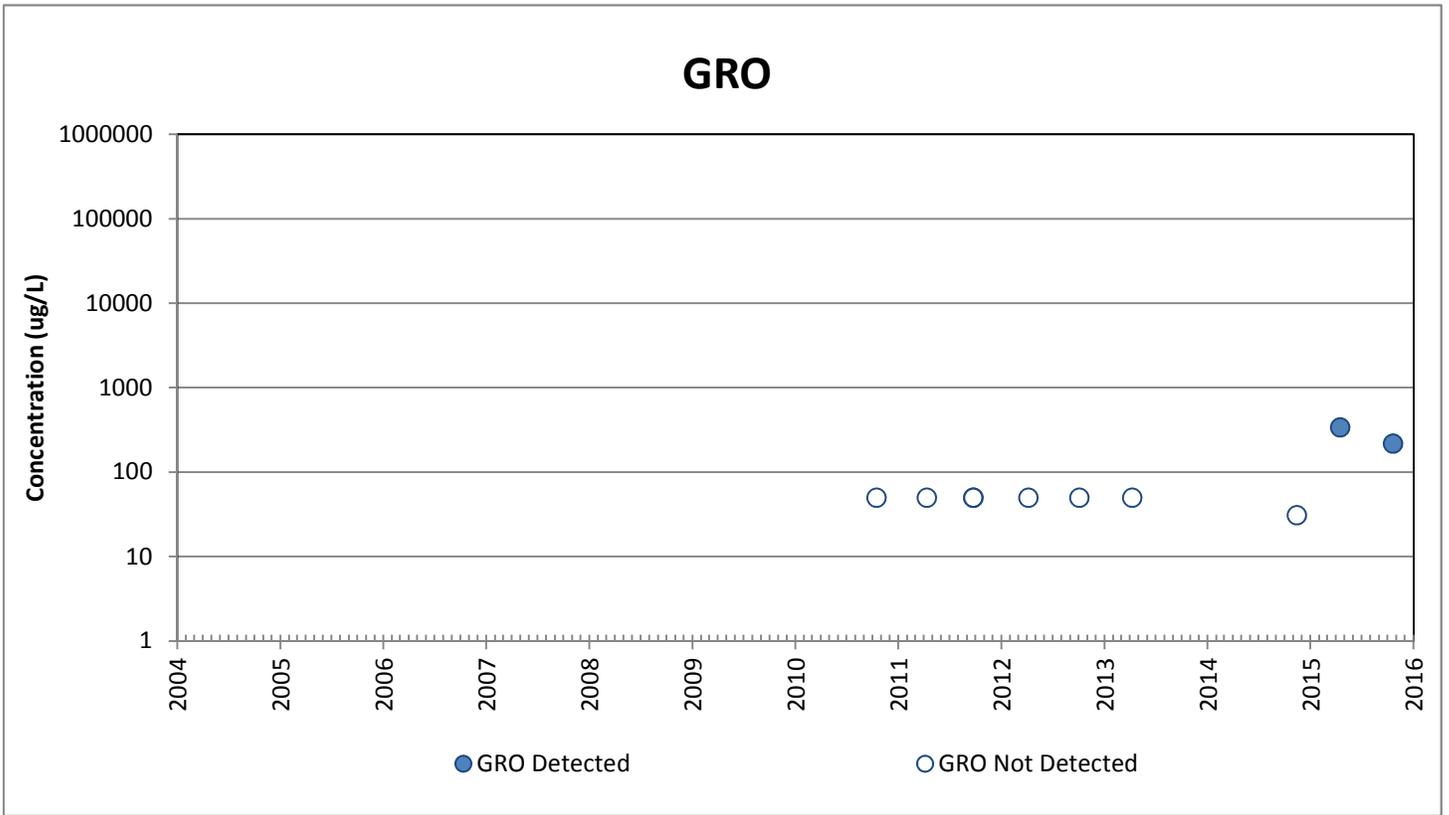


## Water Elevations

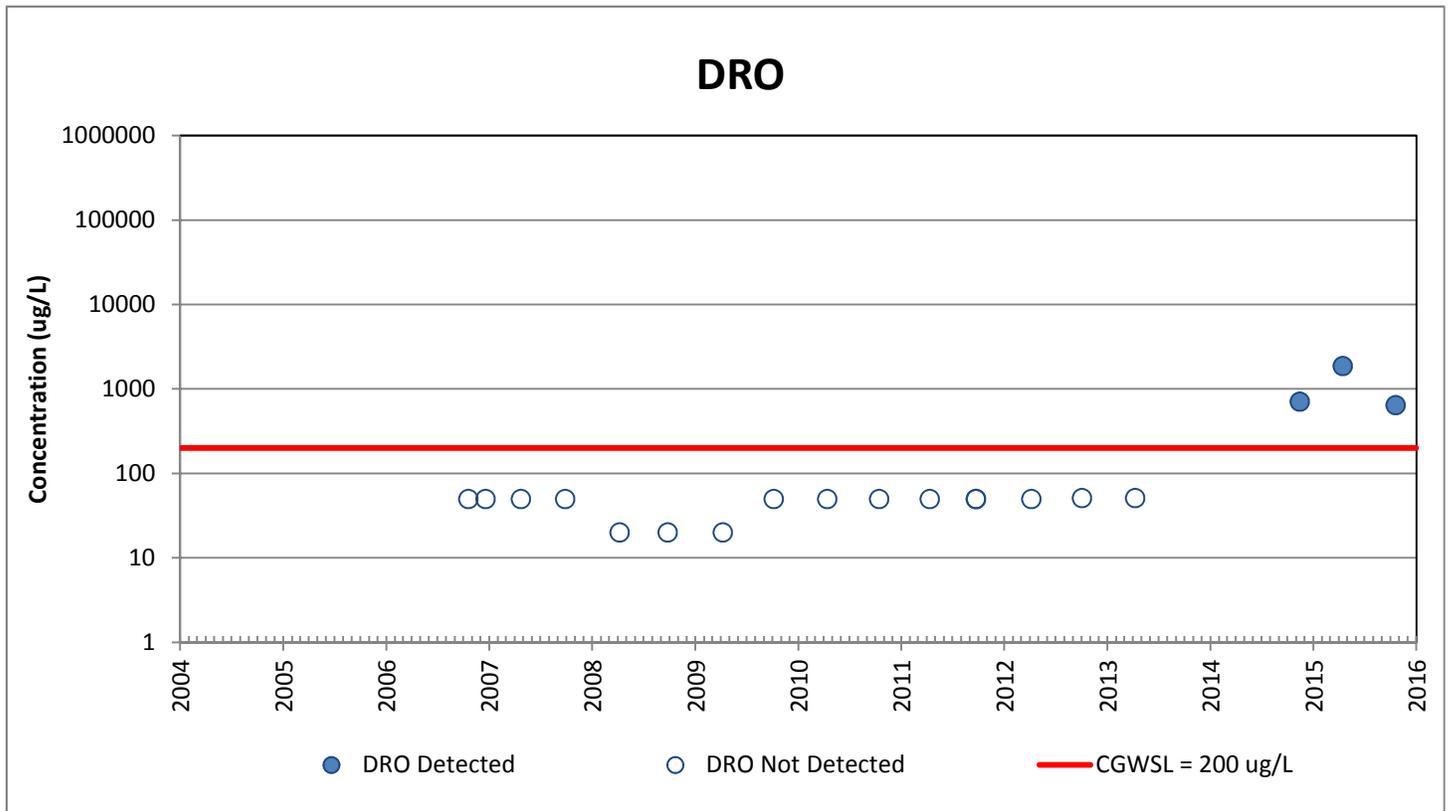


# KWB-11A

## GRO

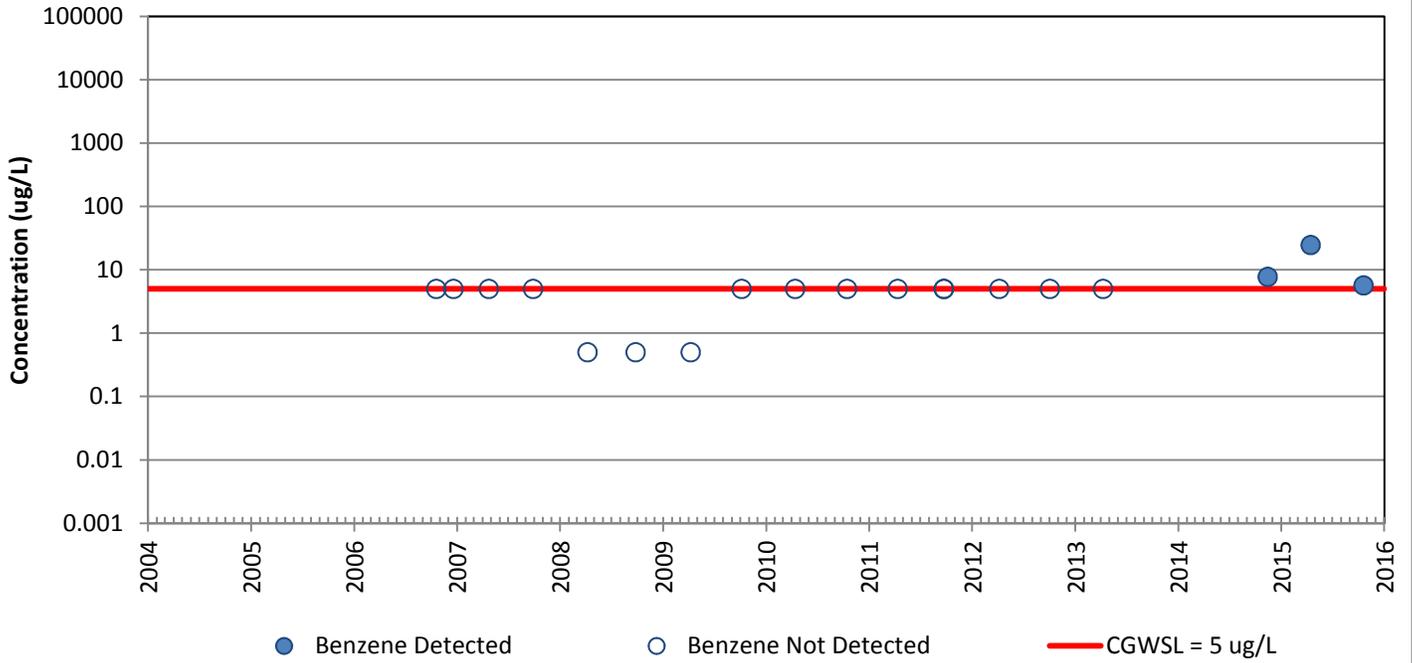


## DRO

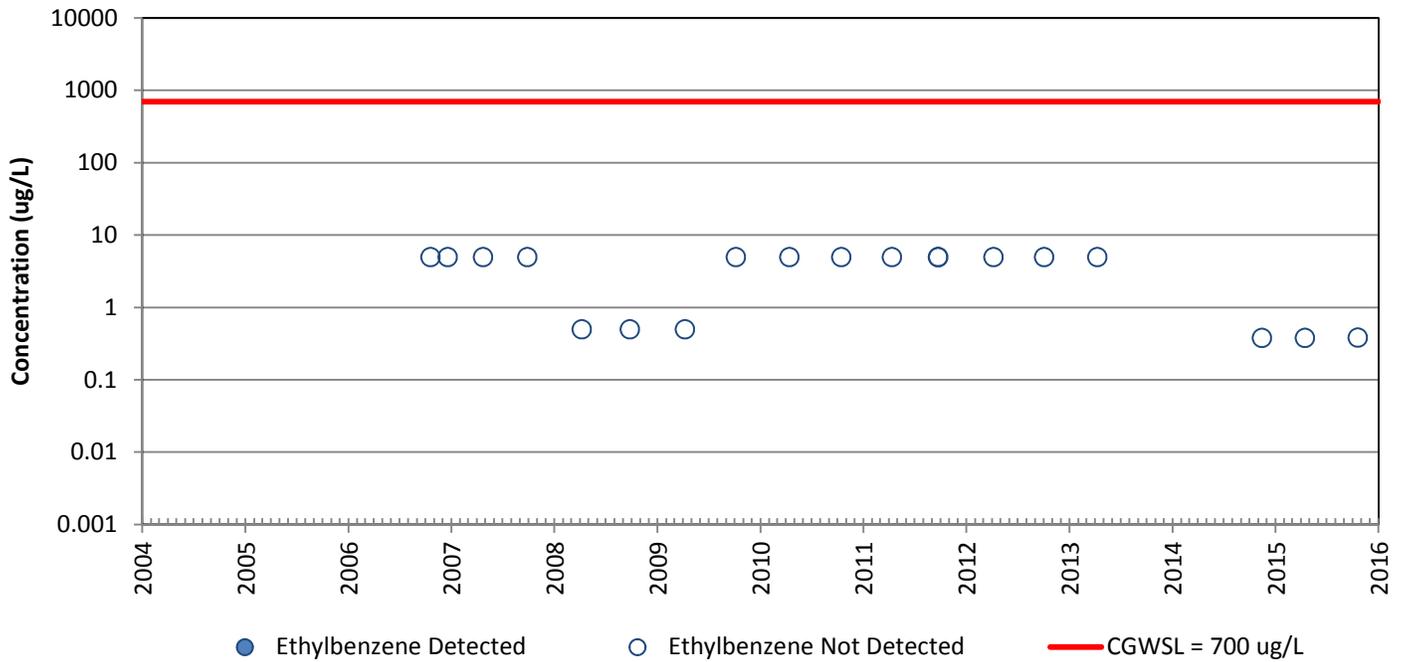


# KWB-11A

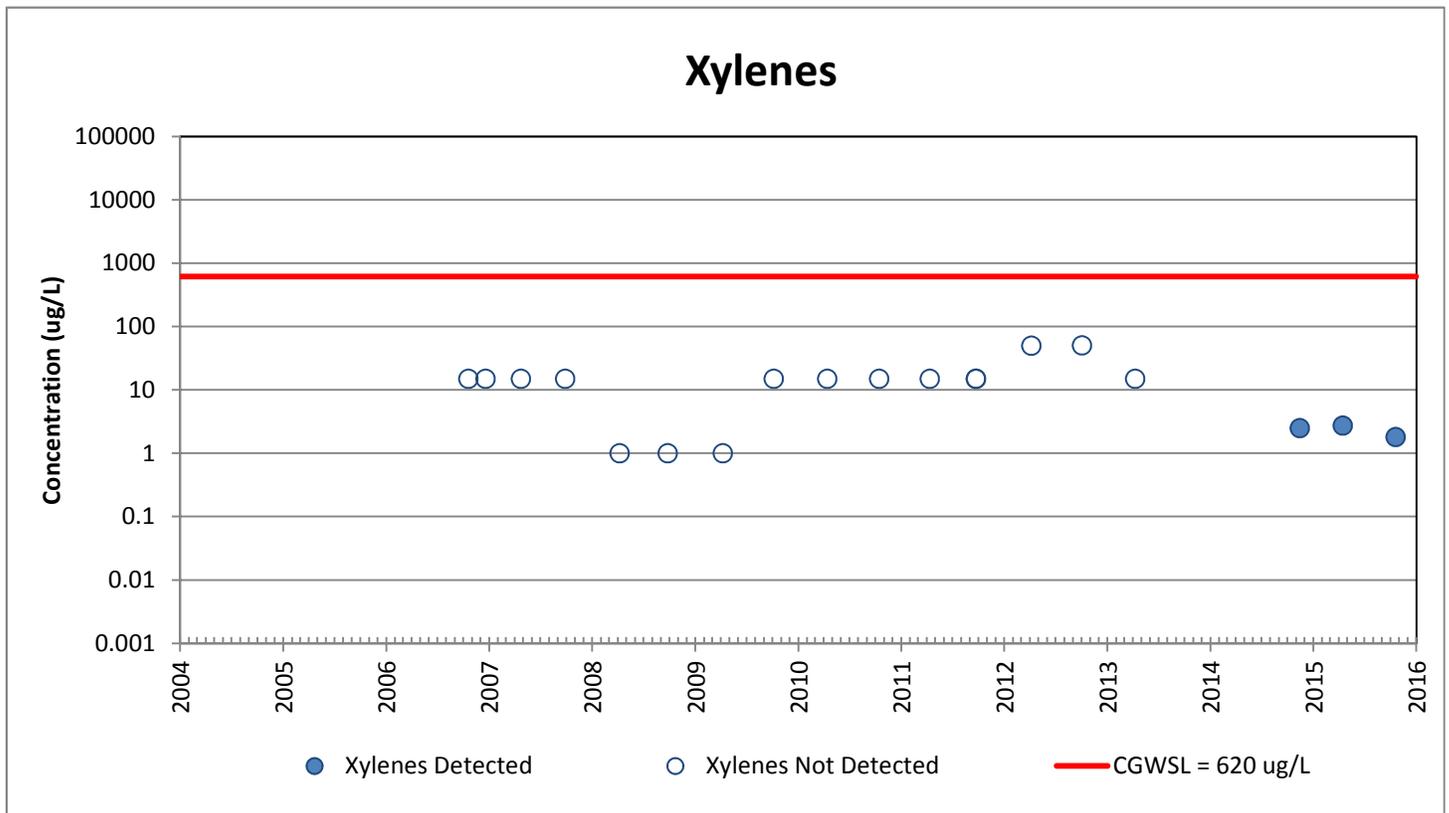
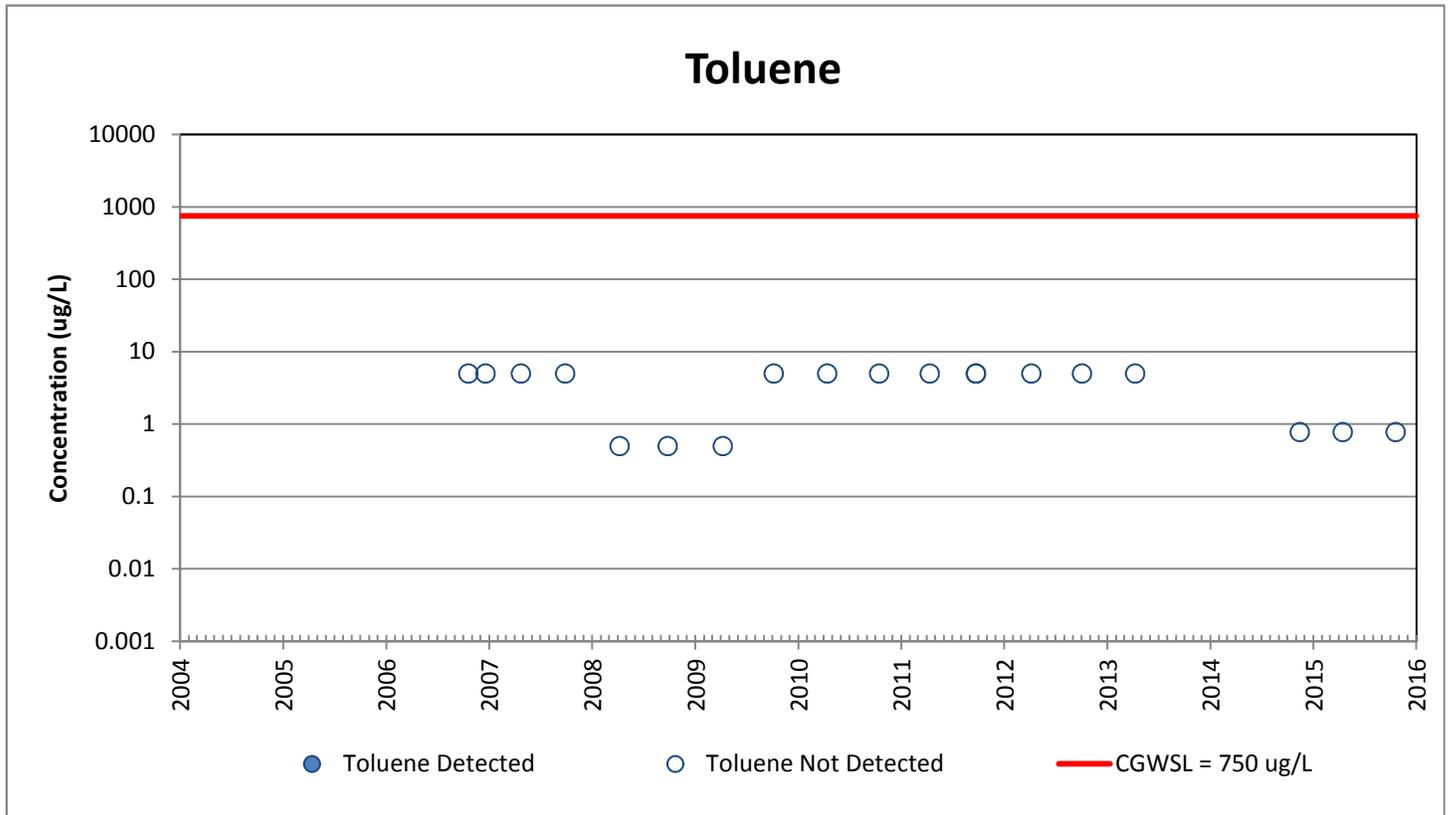
## Benzene



## Ethylbenzene

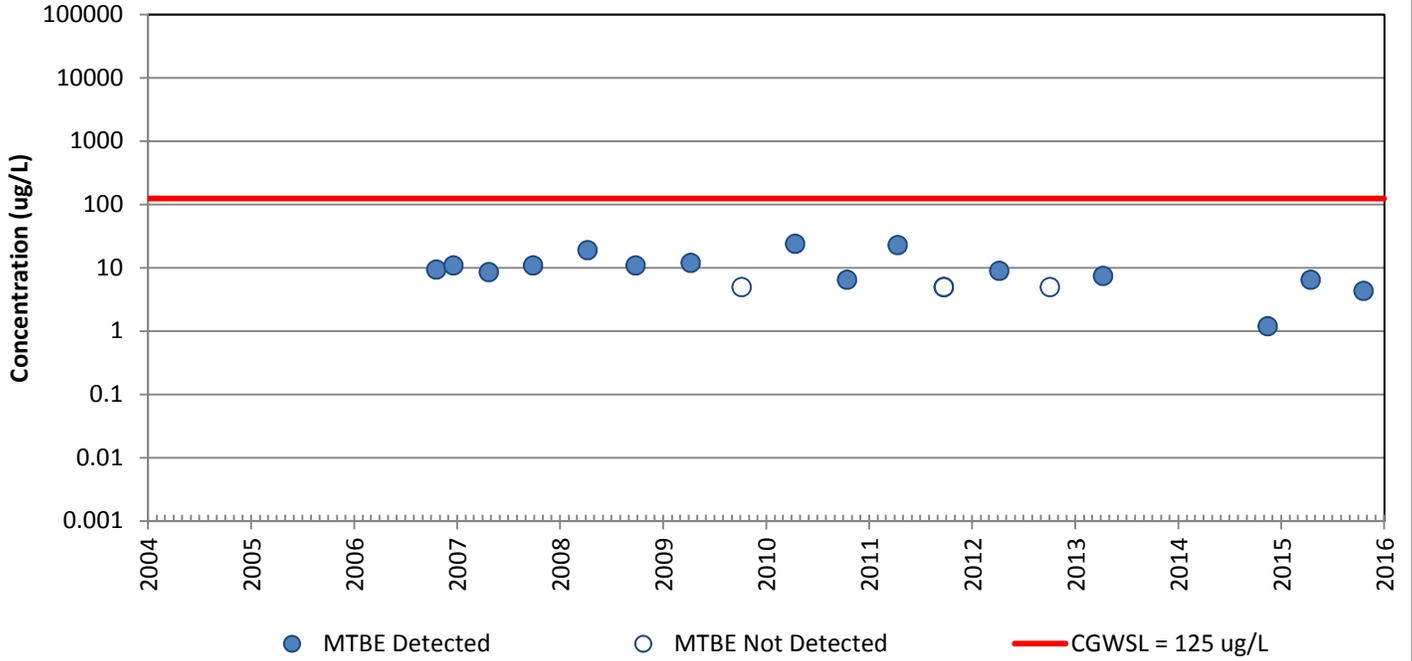


# KWB-11A

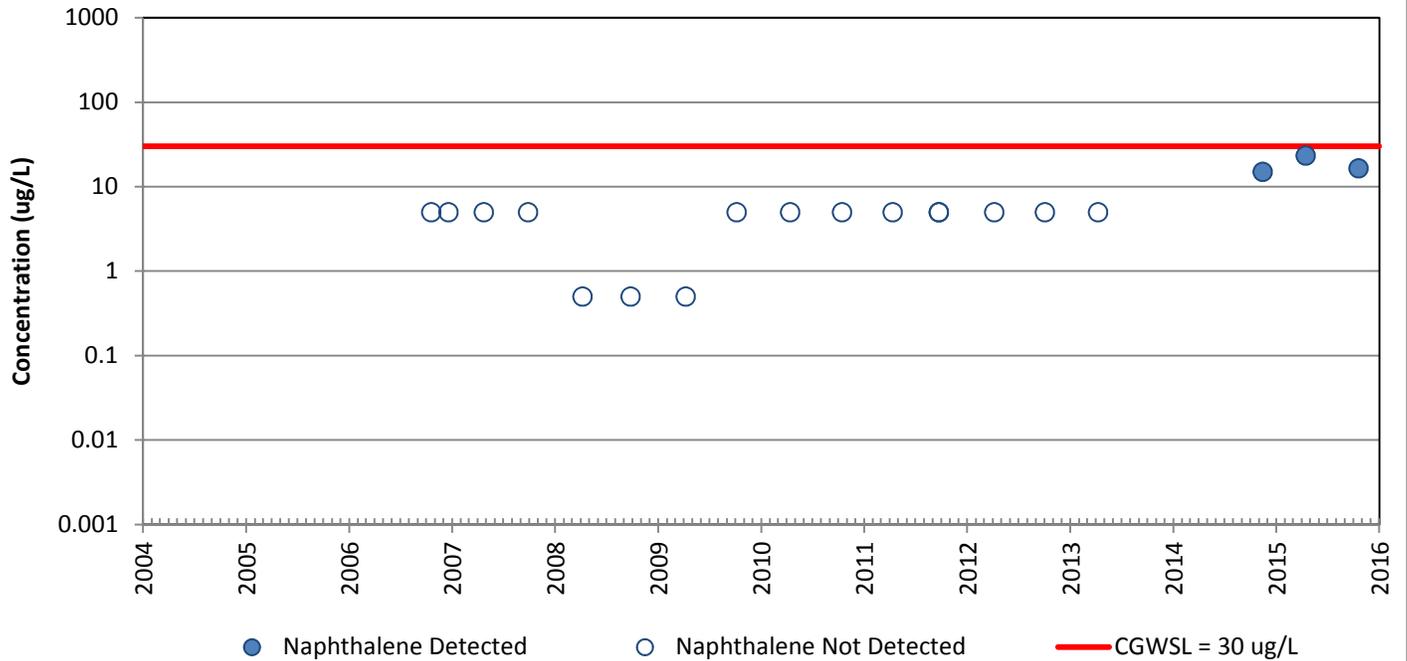


# KWB-11A

## MTBE

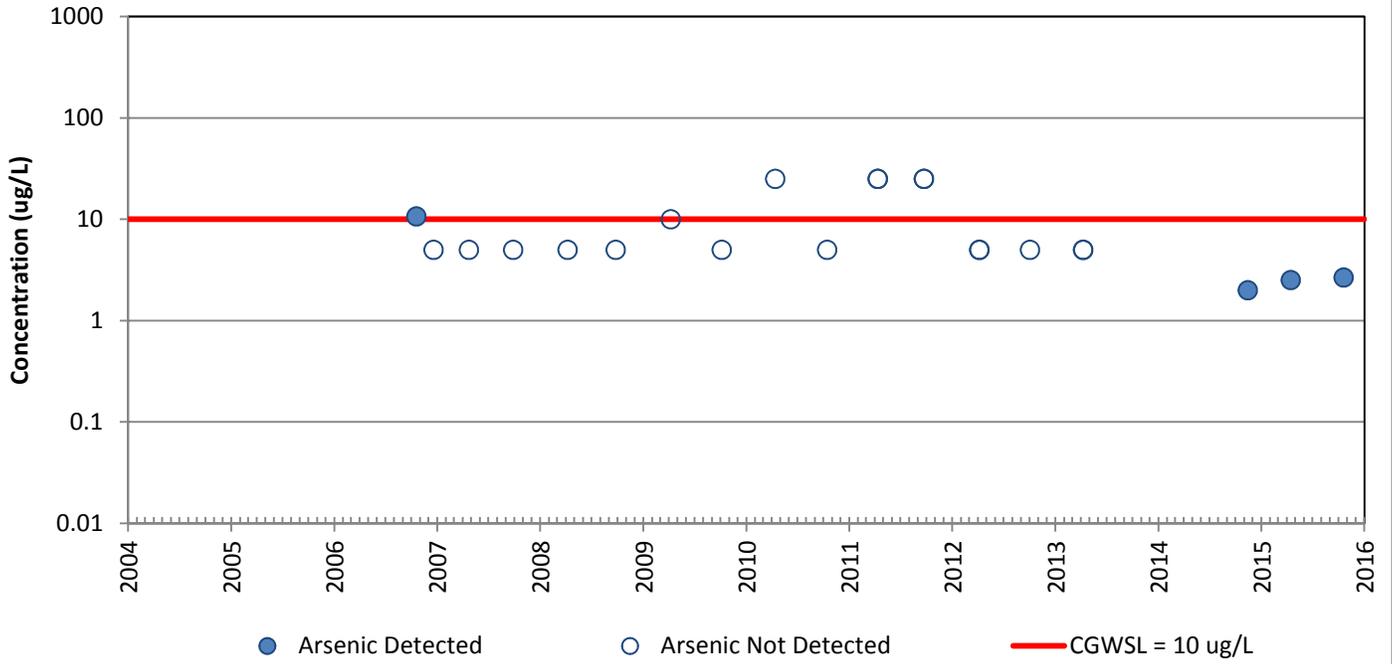


## Naphthalene

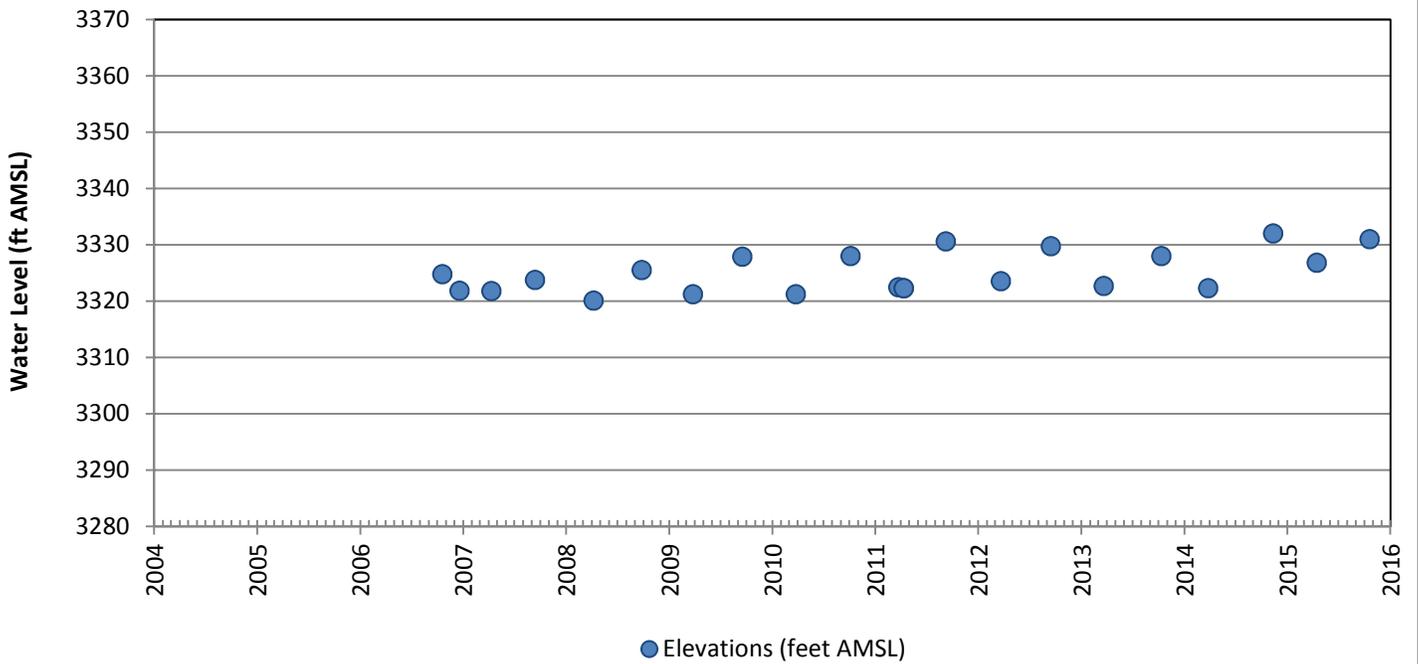


# KWB-11A

## Arsenic

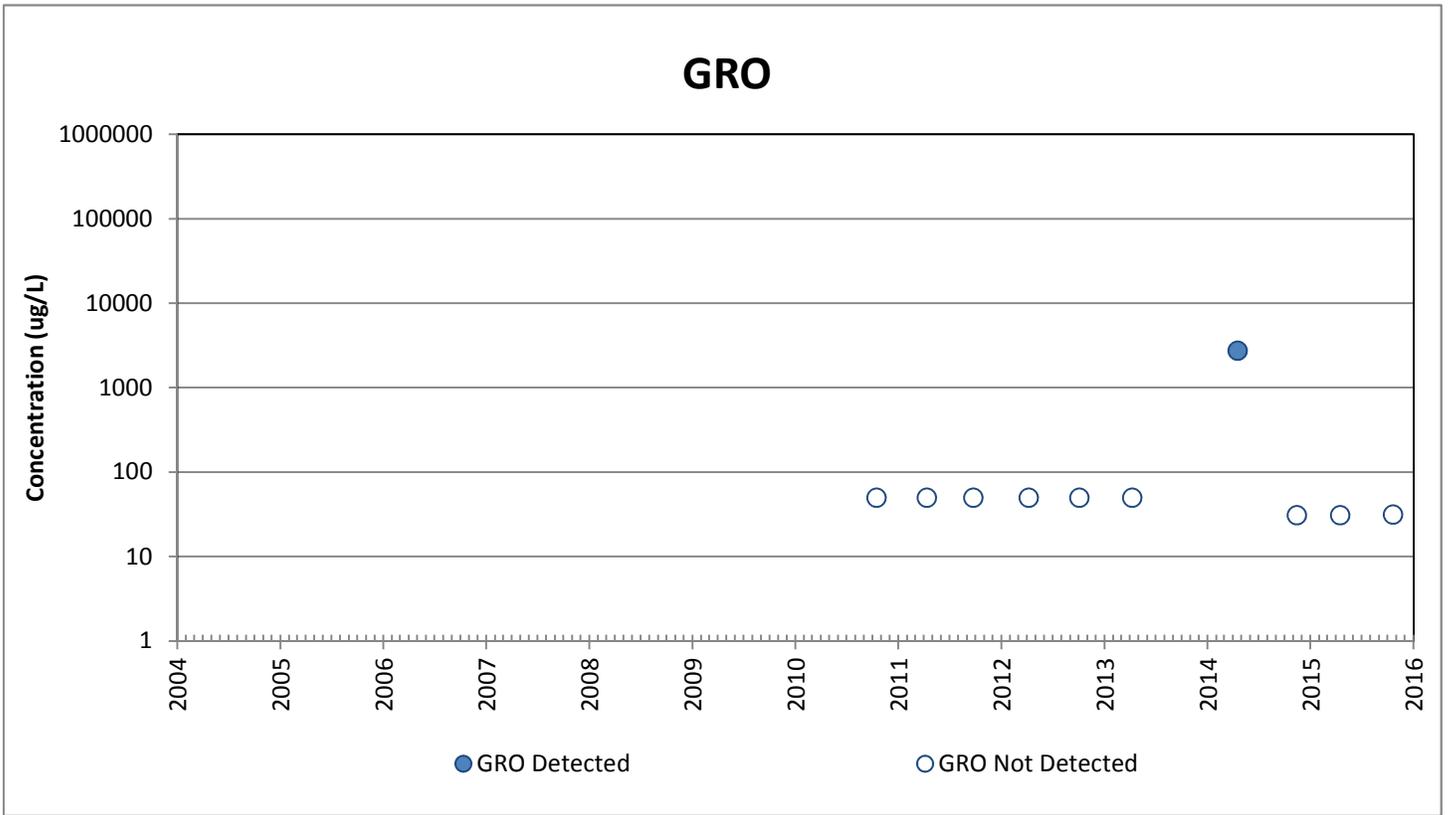


## Water Elevations

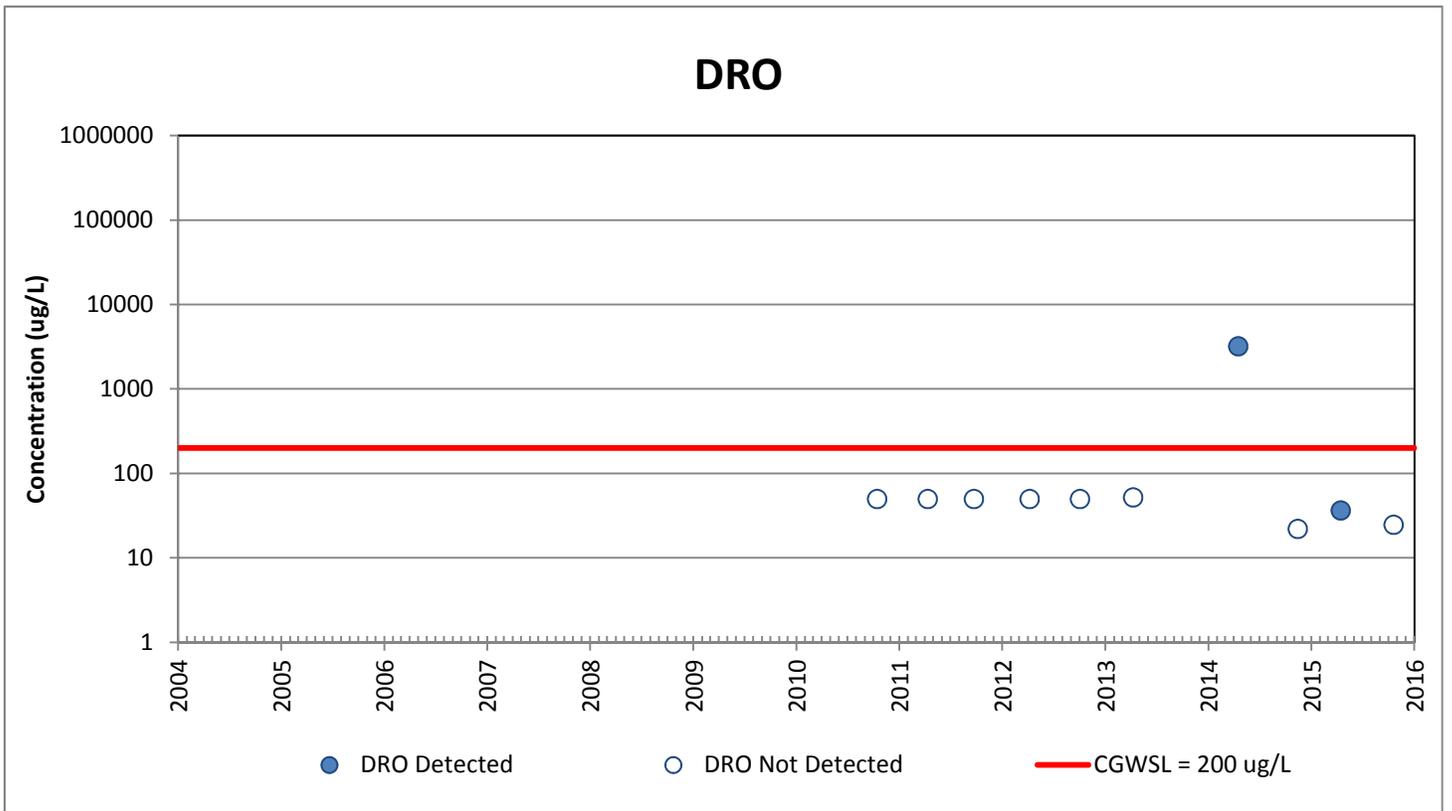


# KWB-11B

## GRO

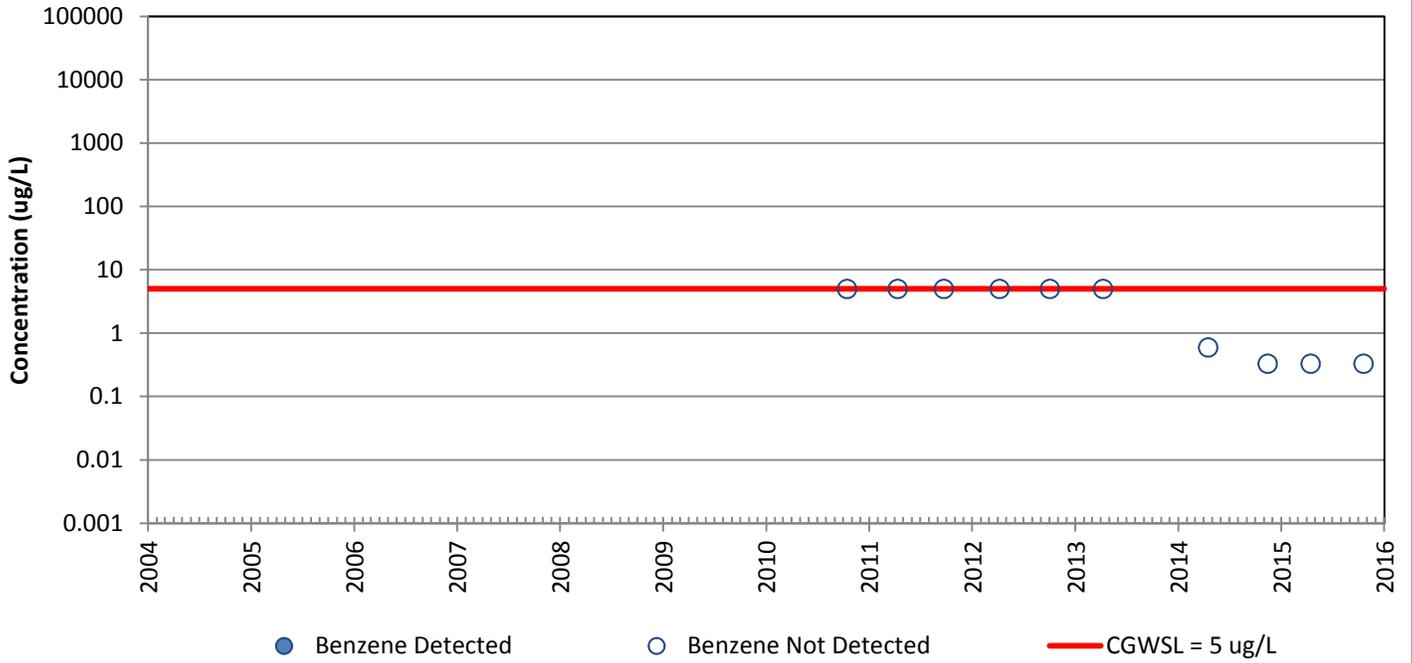


## DRO

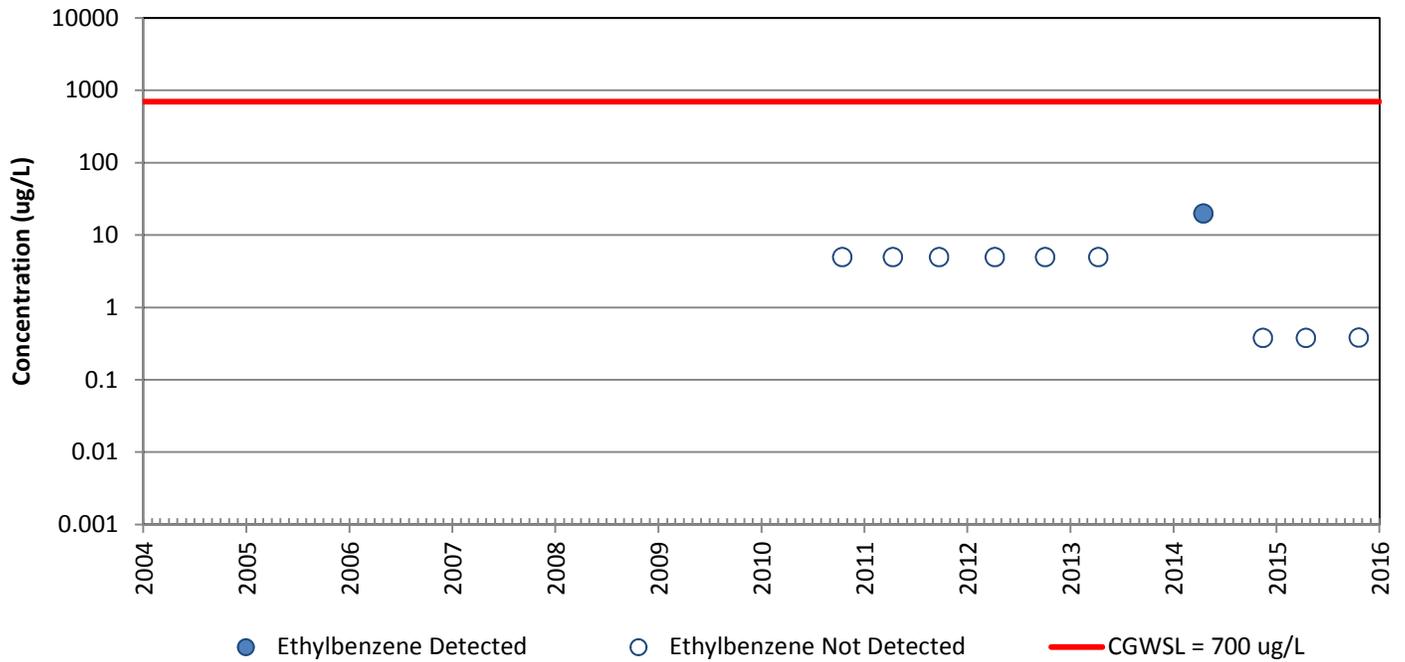


# KWB-11B

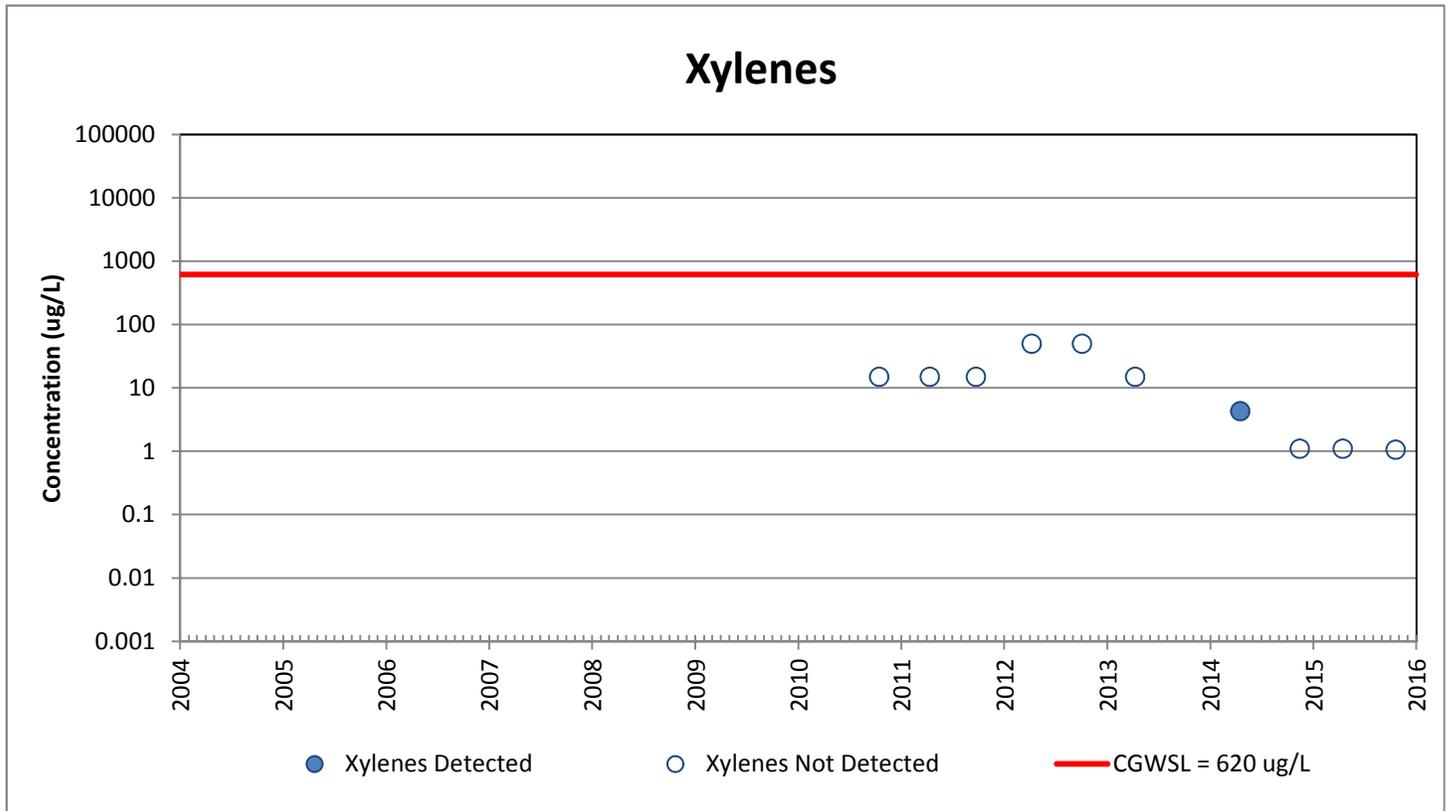
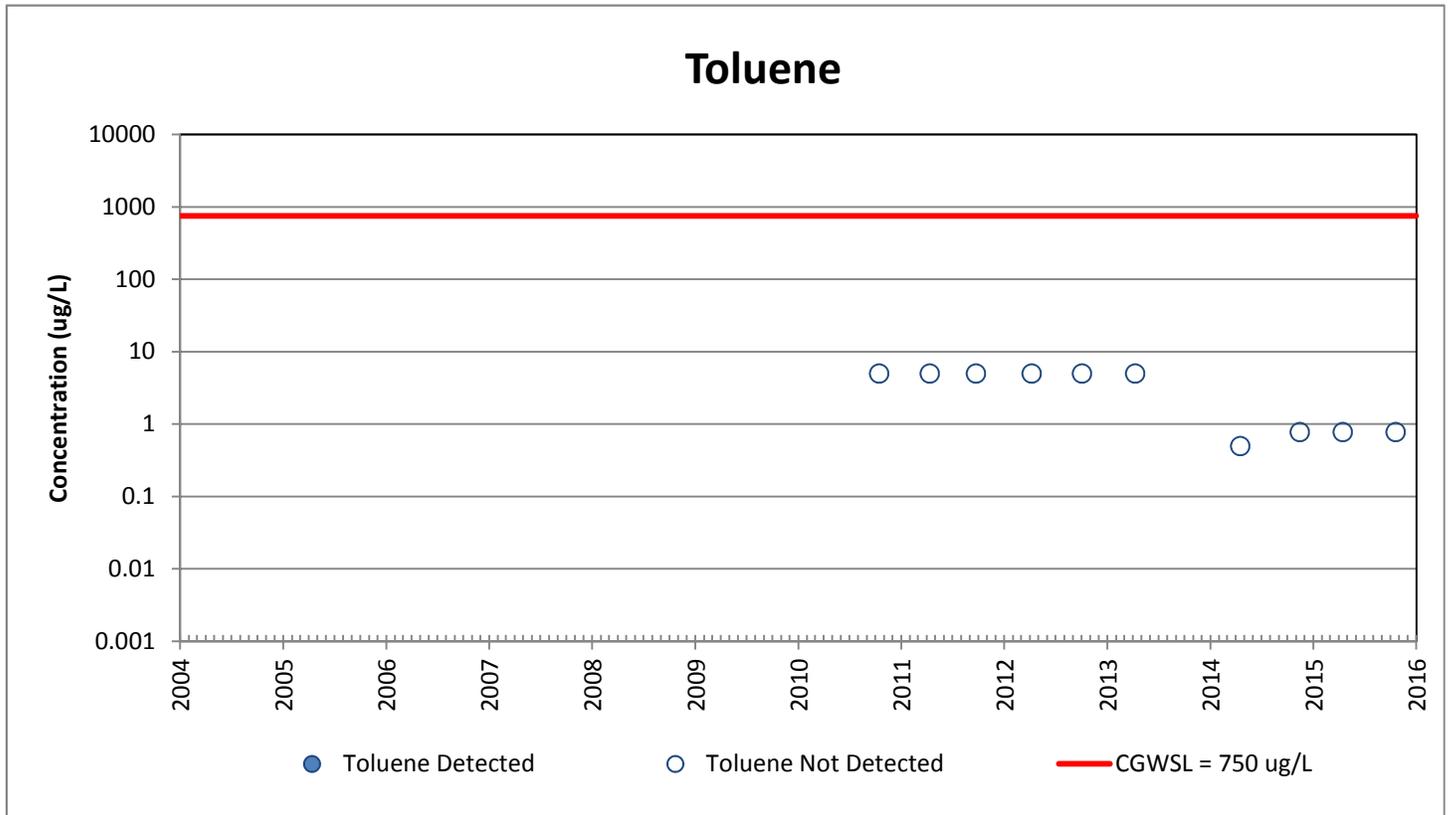
## Benzene



## Ethylbenzene

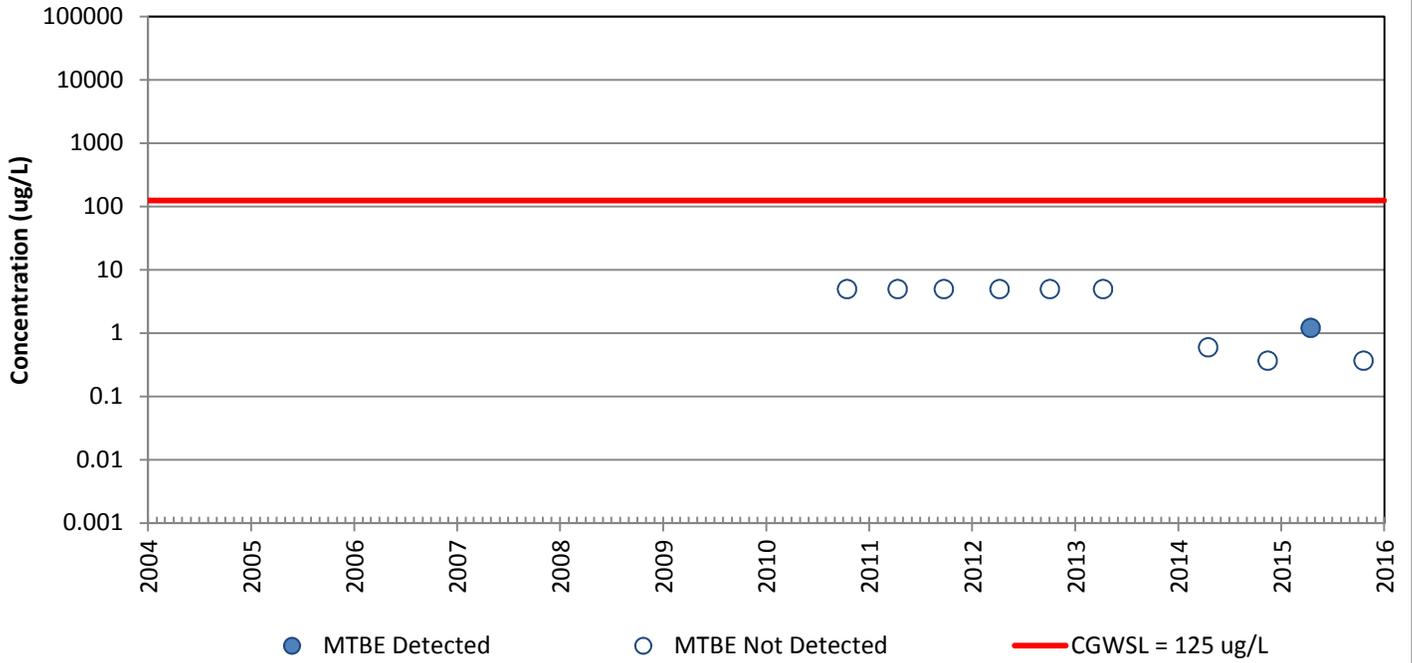


# KWB-11B

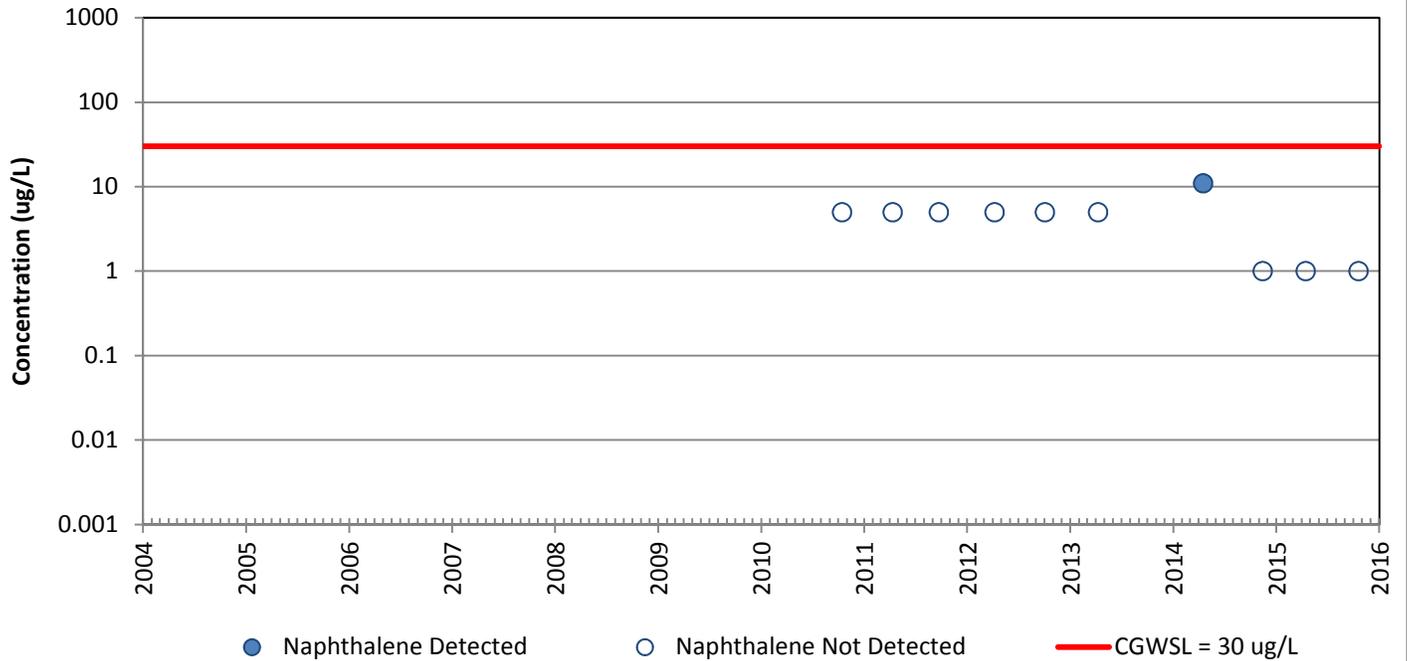


# KWB-11B

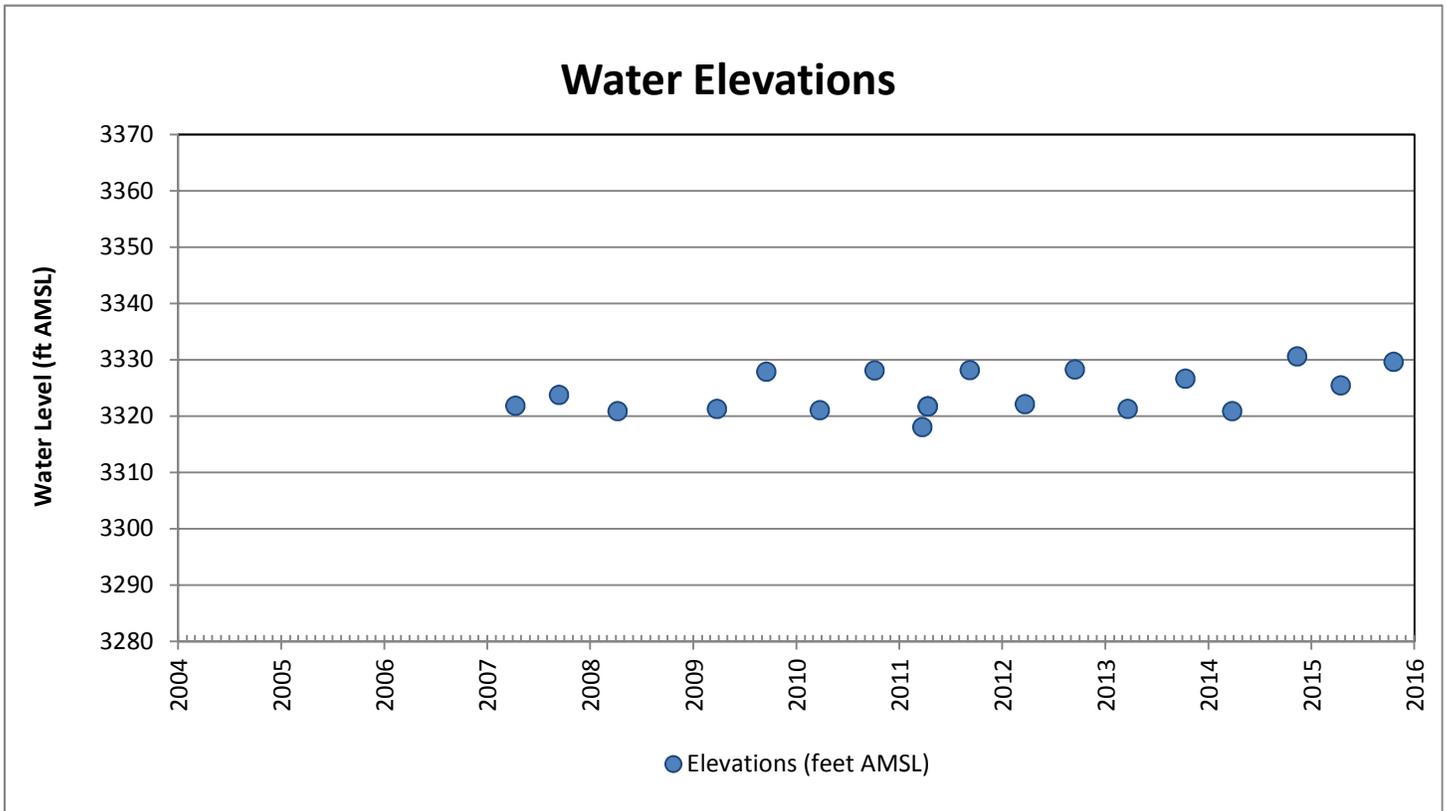
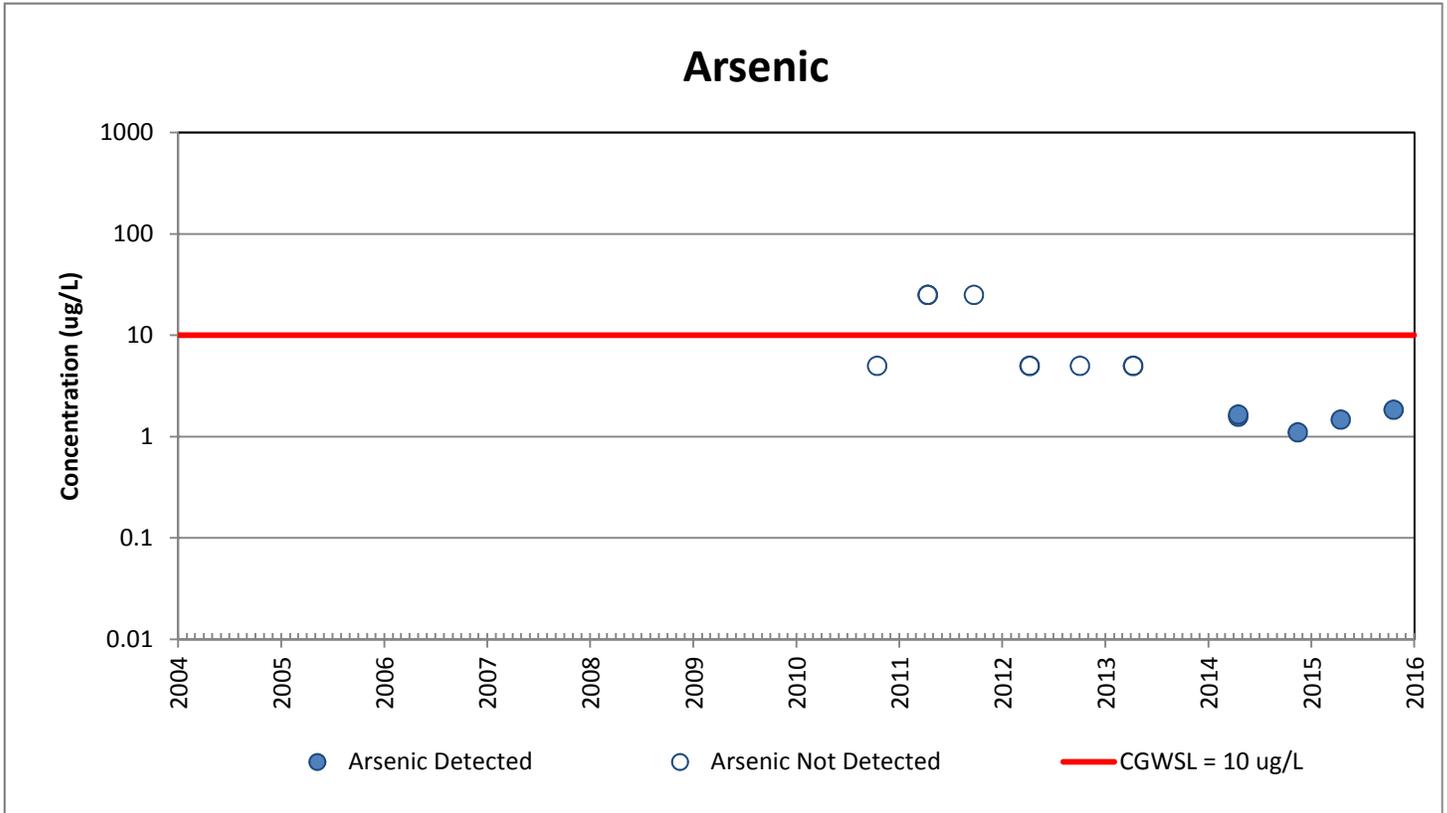
## MTBE



## Naphthalene

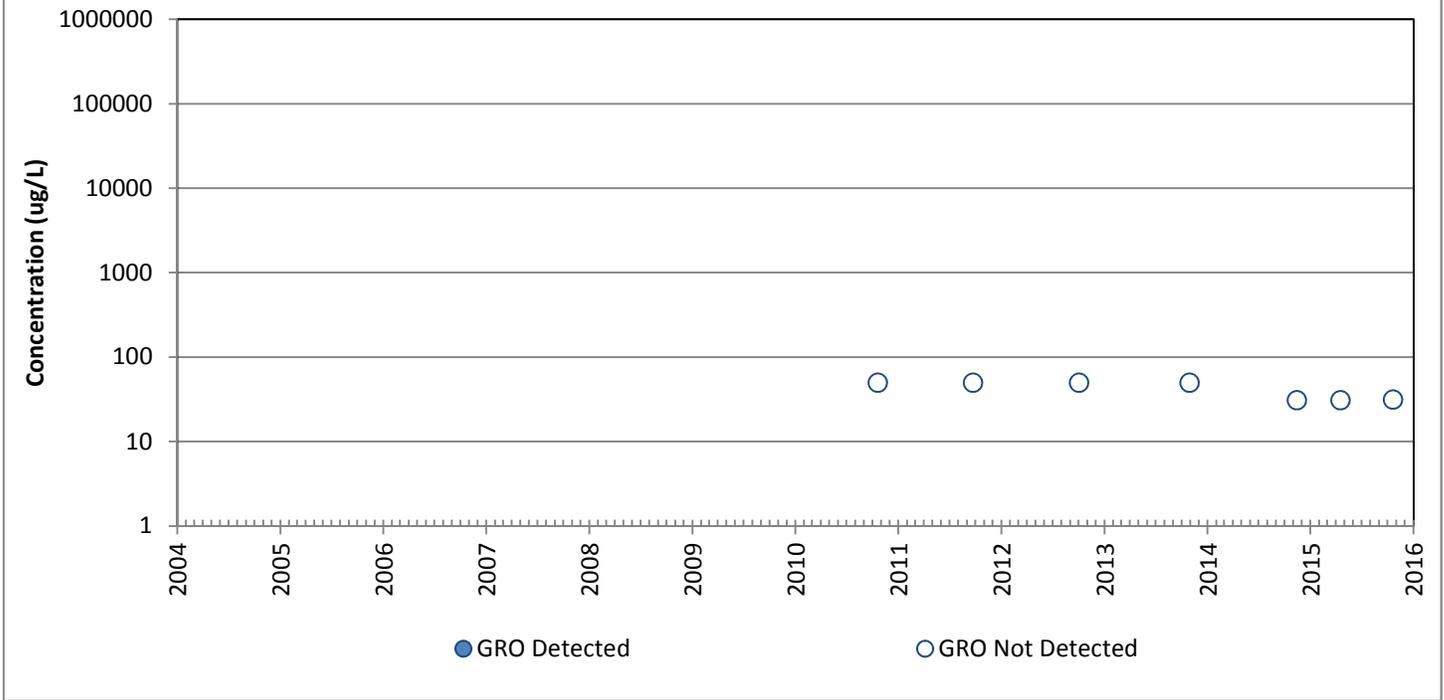


# KWB-11B

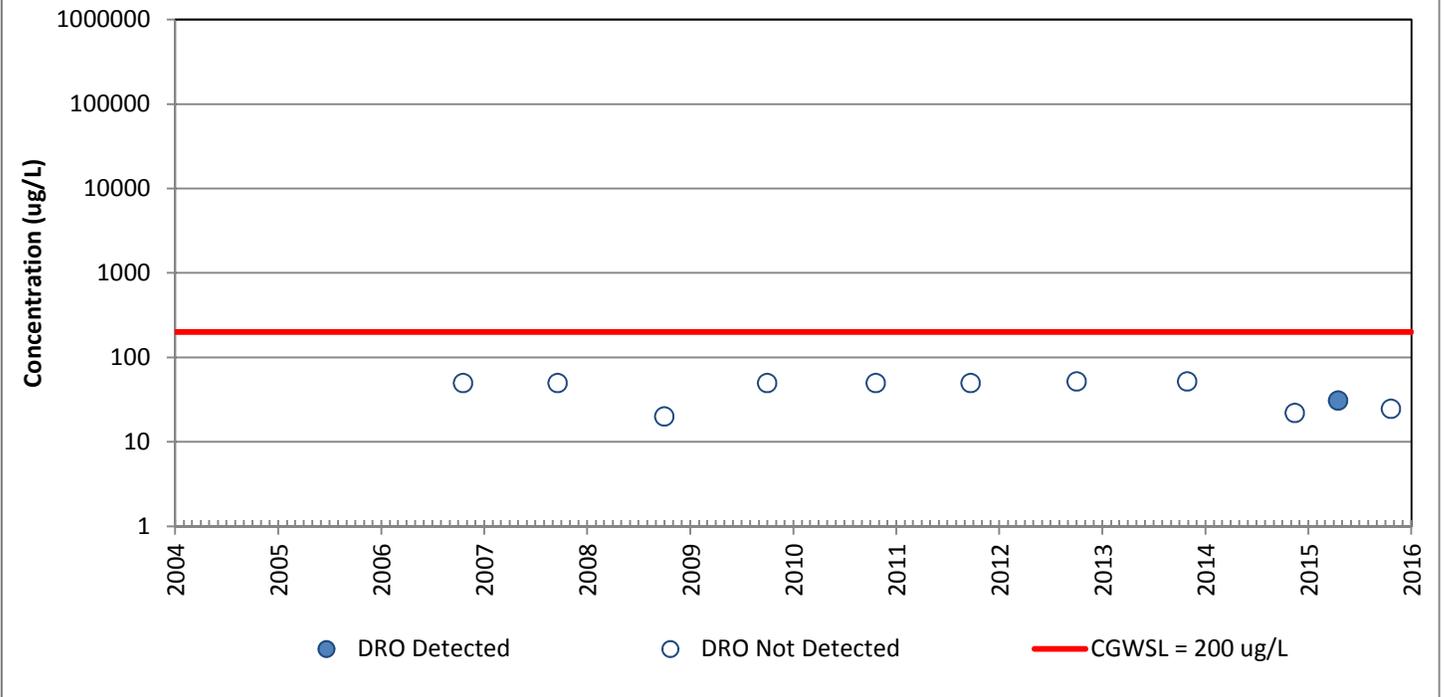


# KWB-12A

## GRO

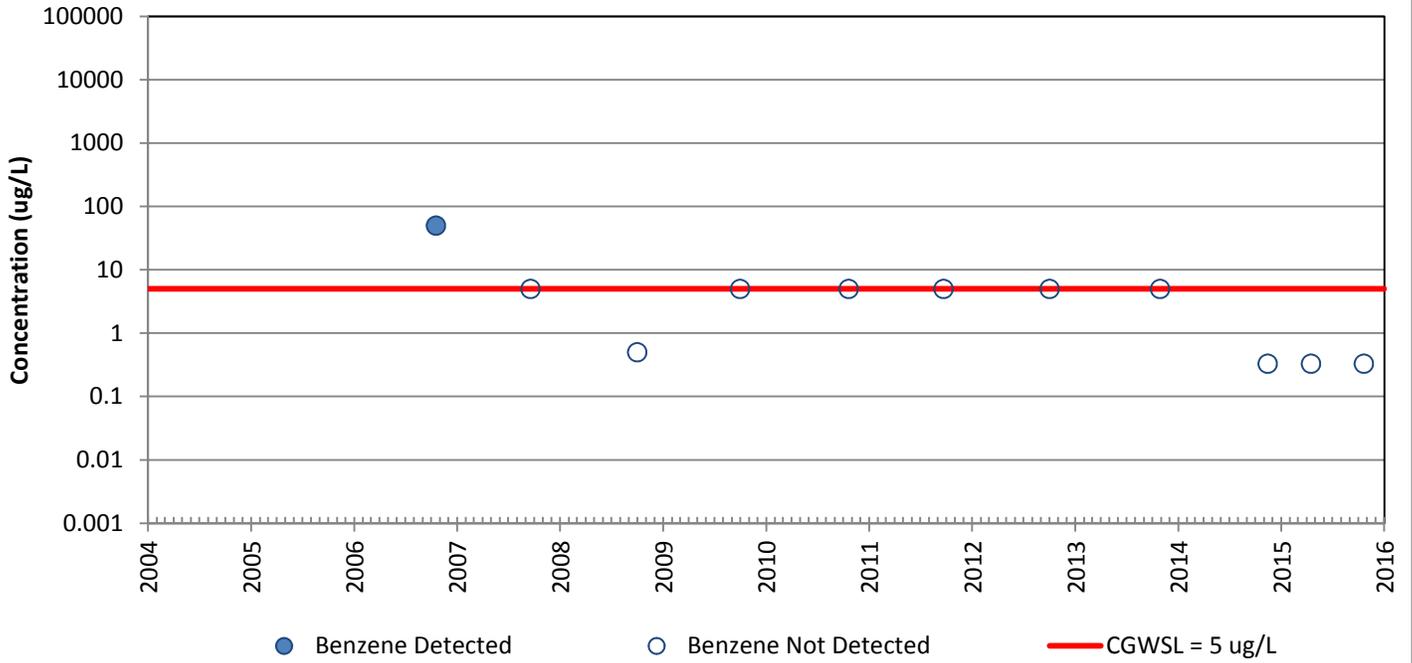


## DRO

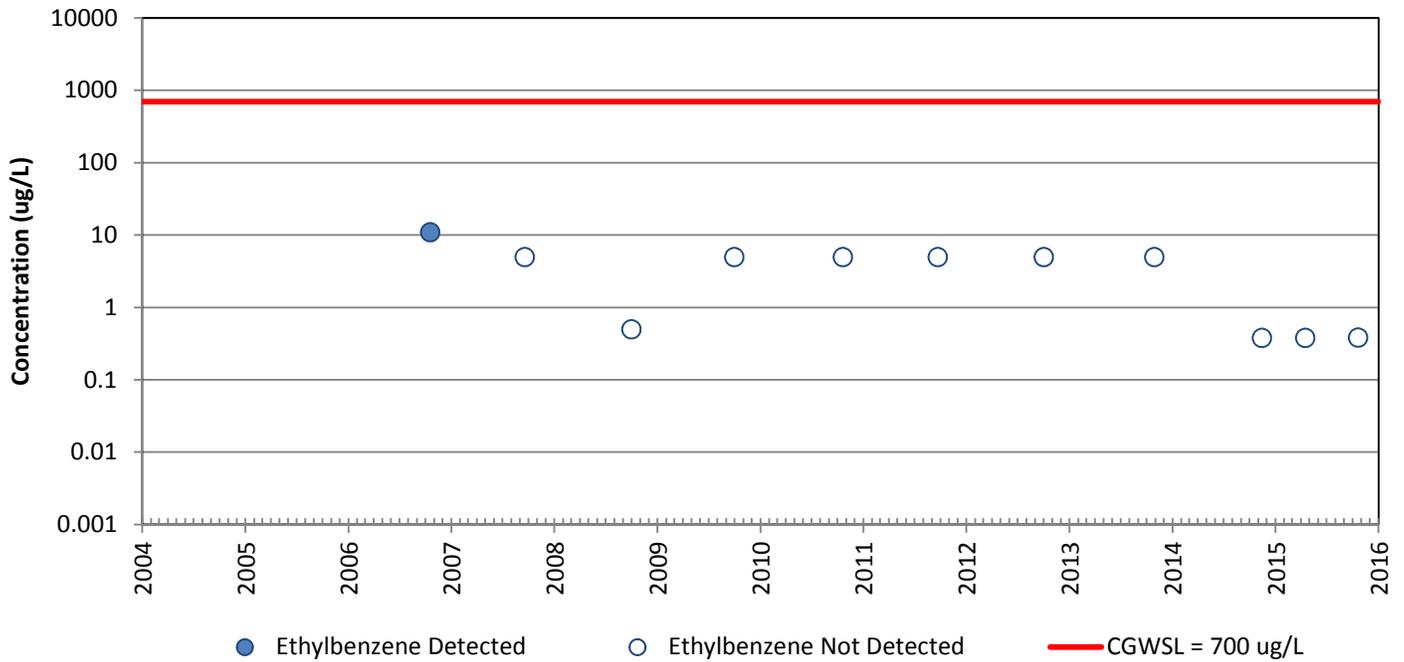


# KWB-12A

## Benzene

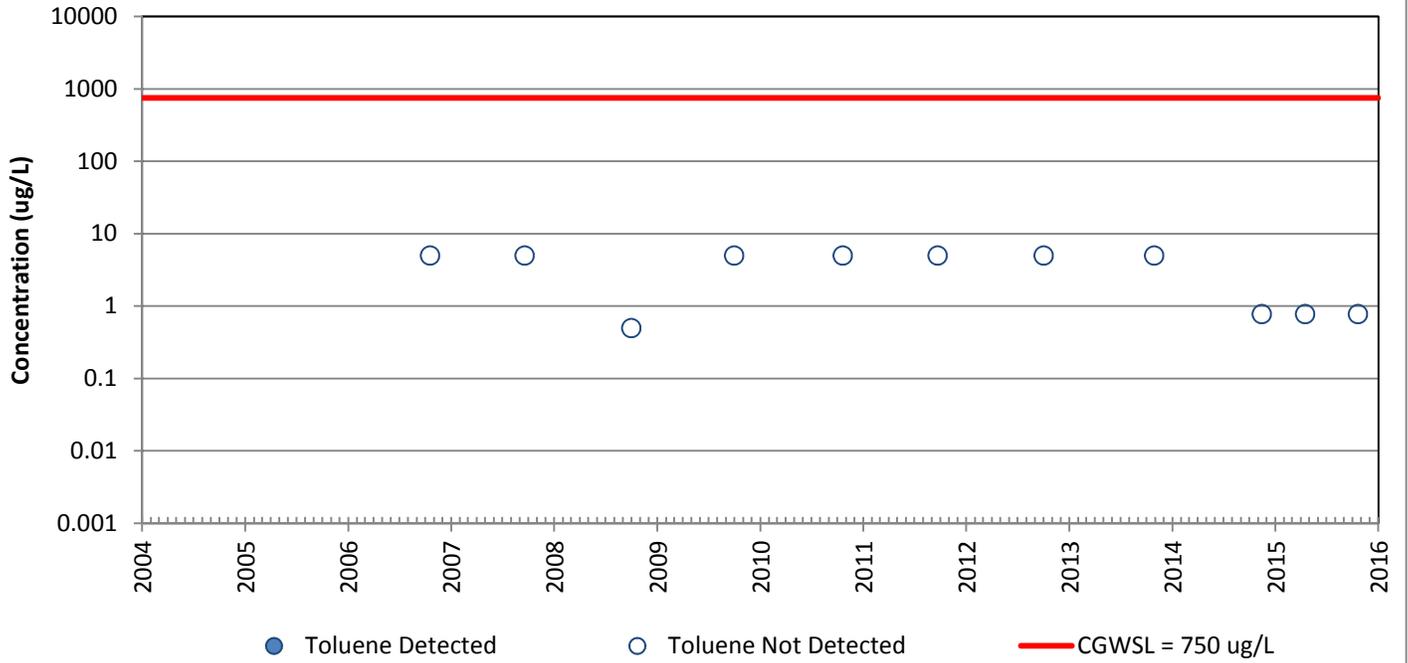


## Ethylbenzene

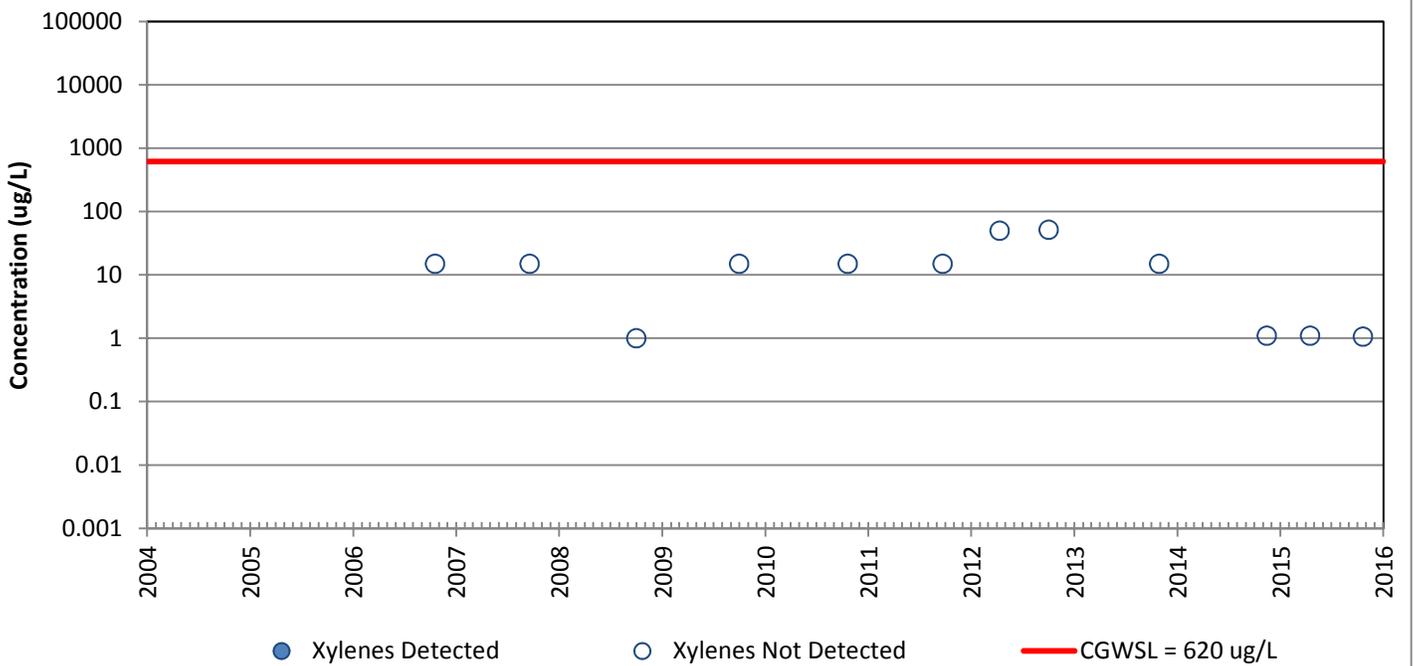


# KWB-12A

## Toluene

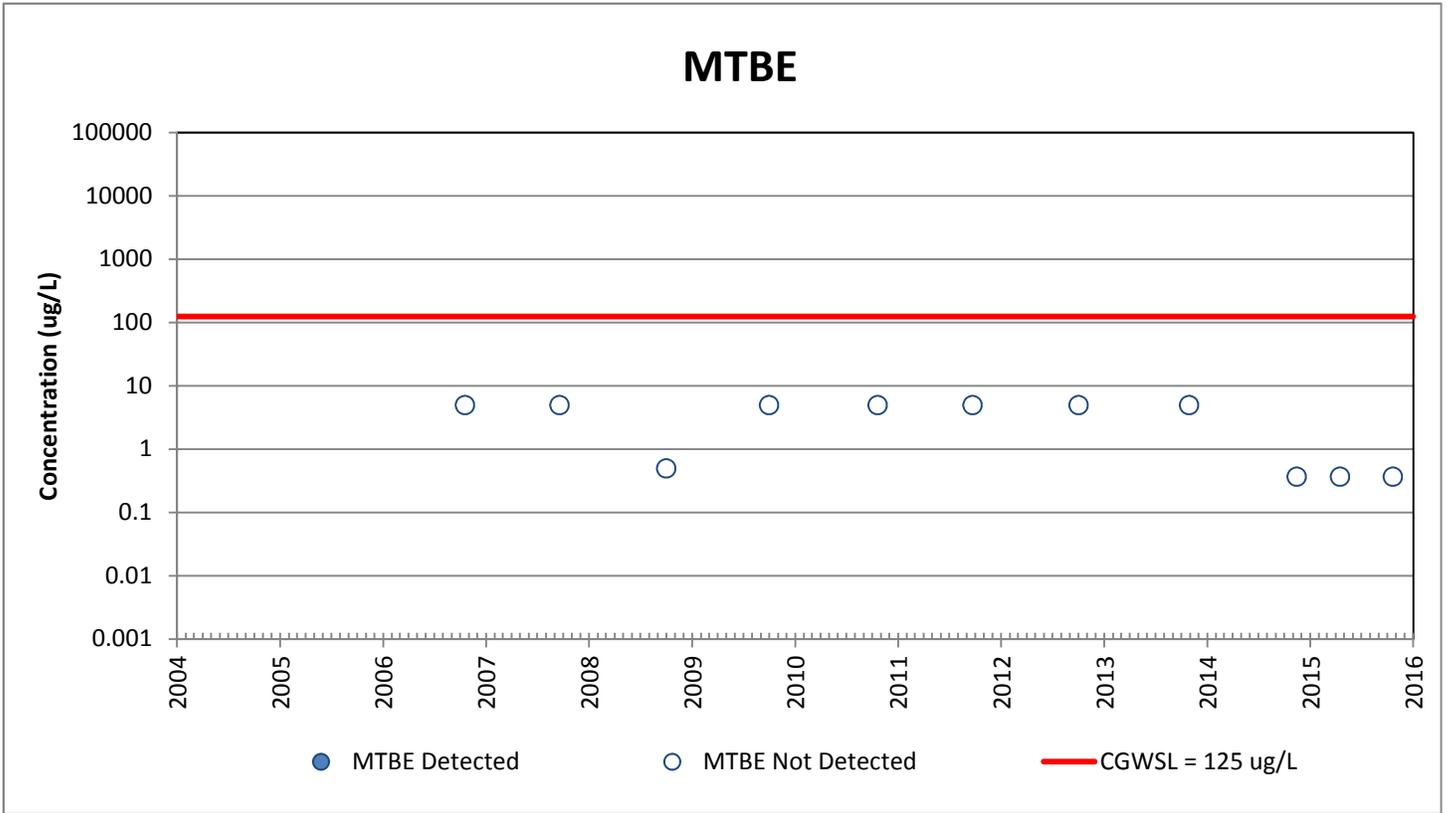


## Xylenes

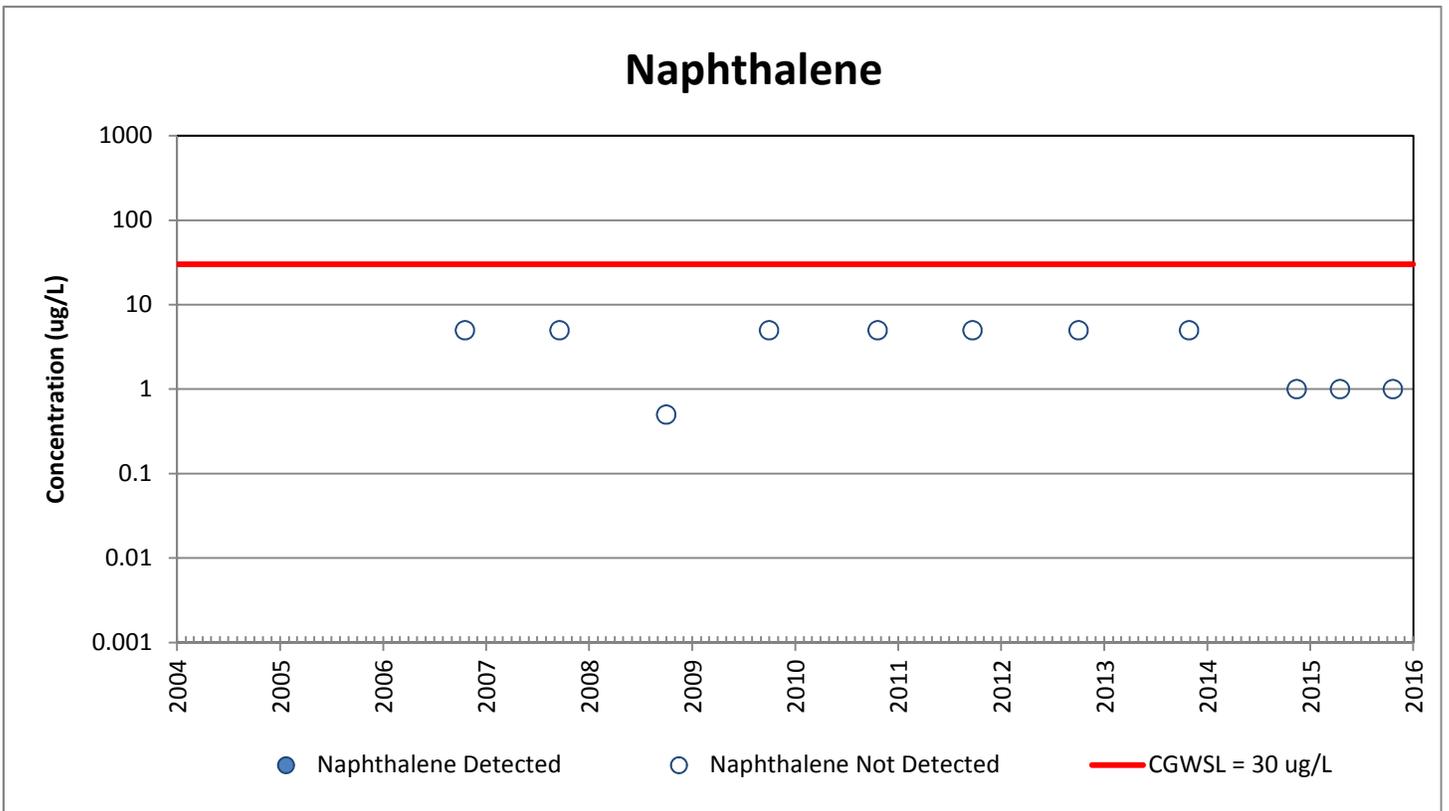


# KWB-12A

## MTBE

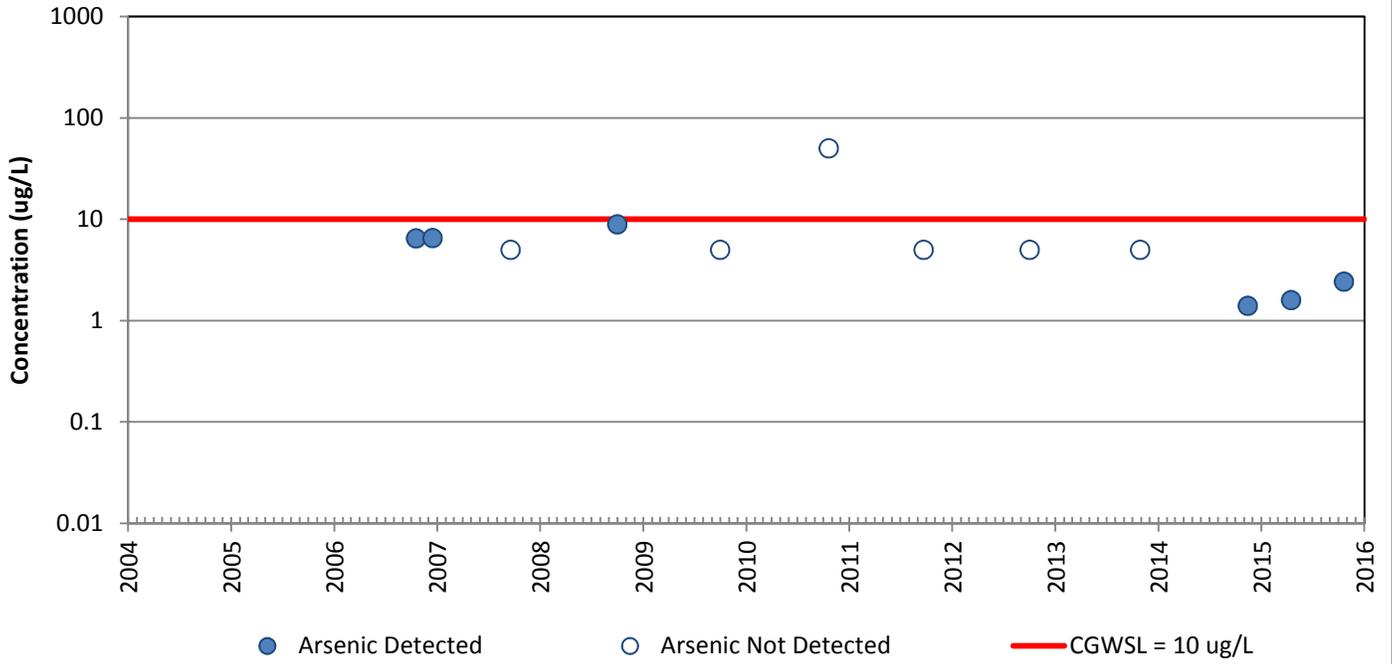


## Naphthalene

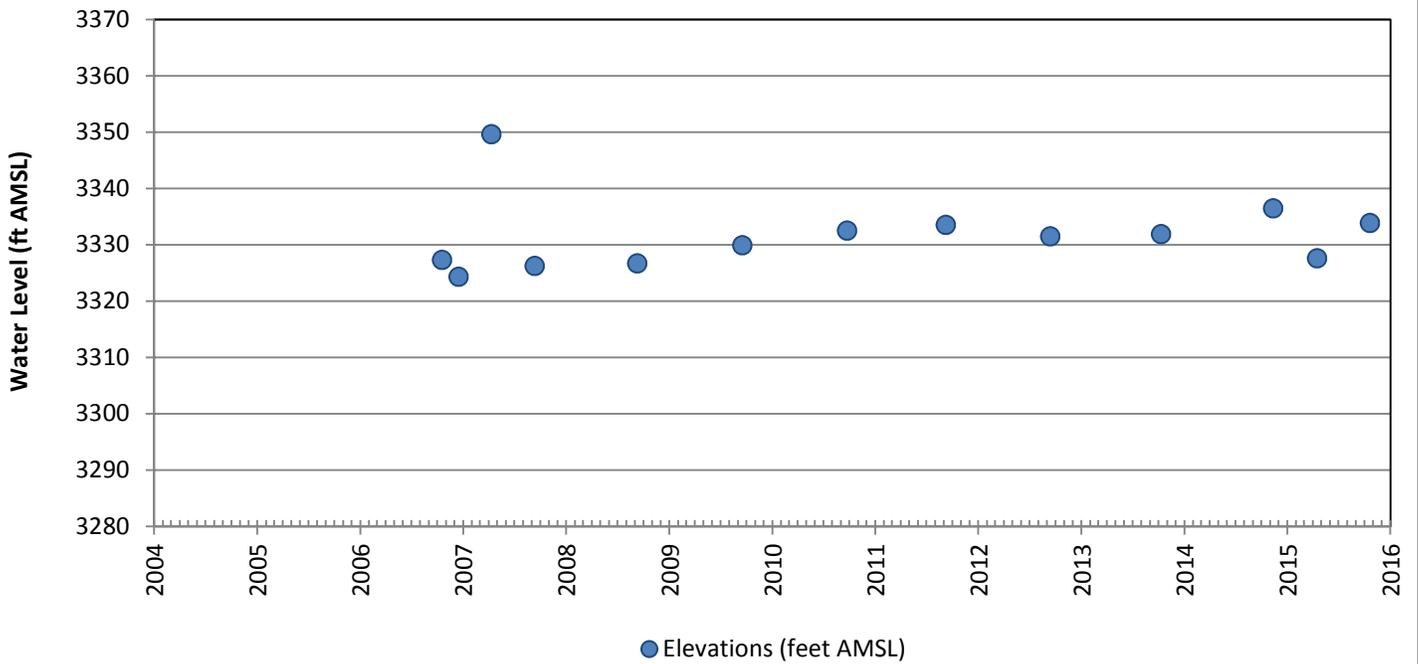


# KWB-12A

## Arsenic

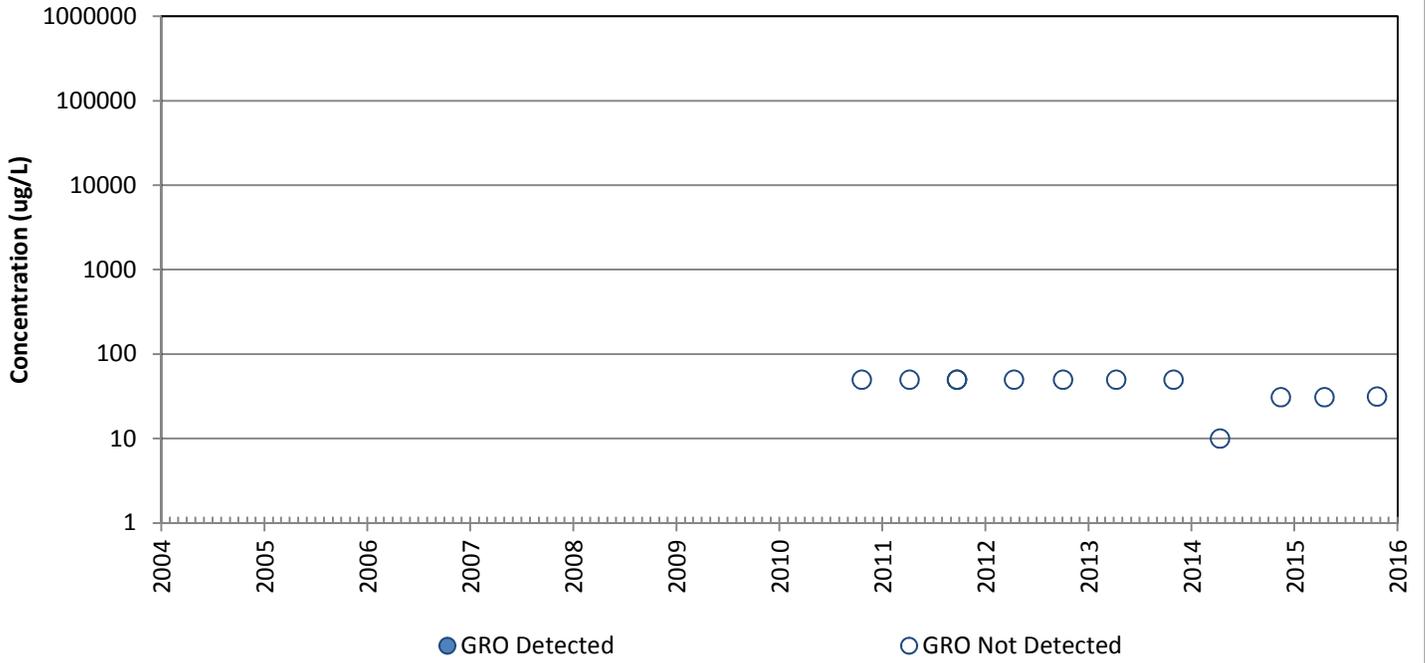


## Water Elevations

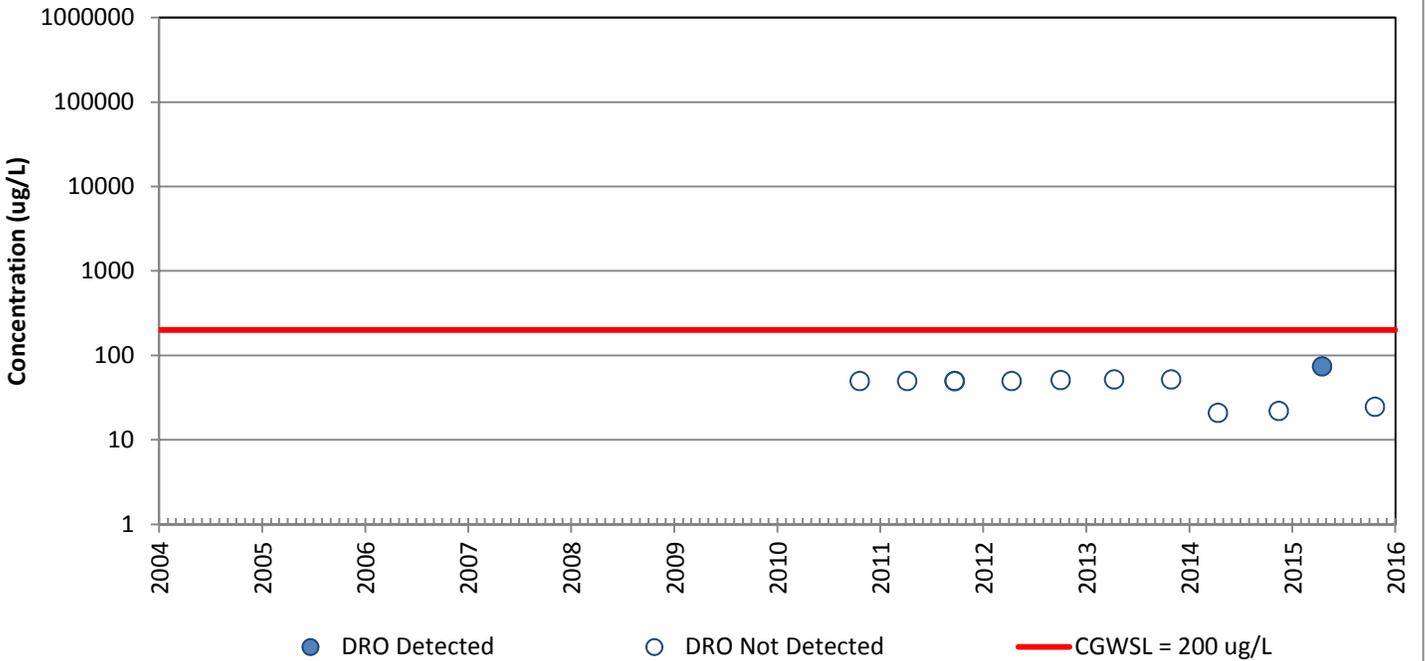


# KWB-12B

## GRO



## DRO

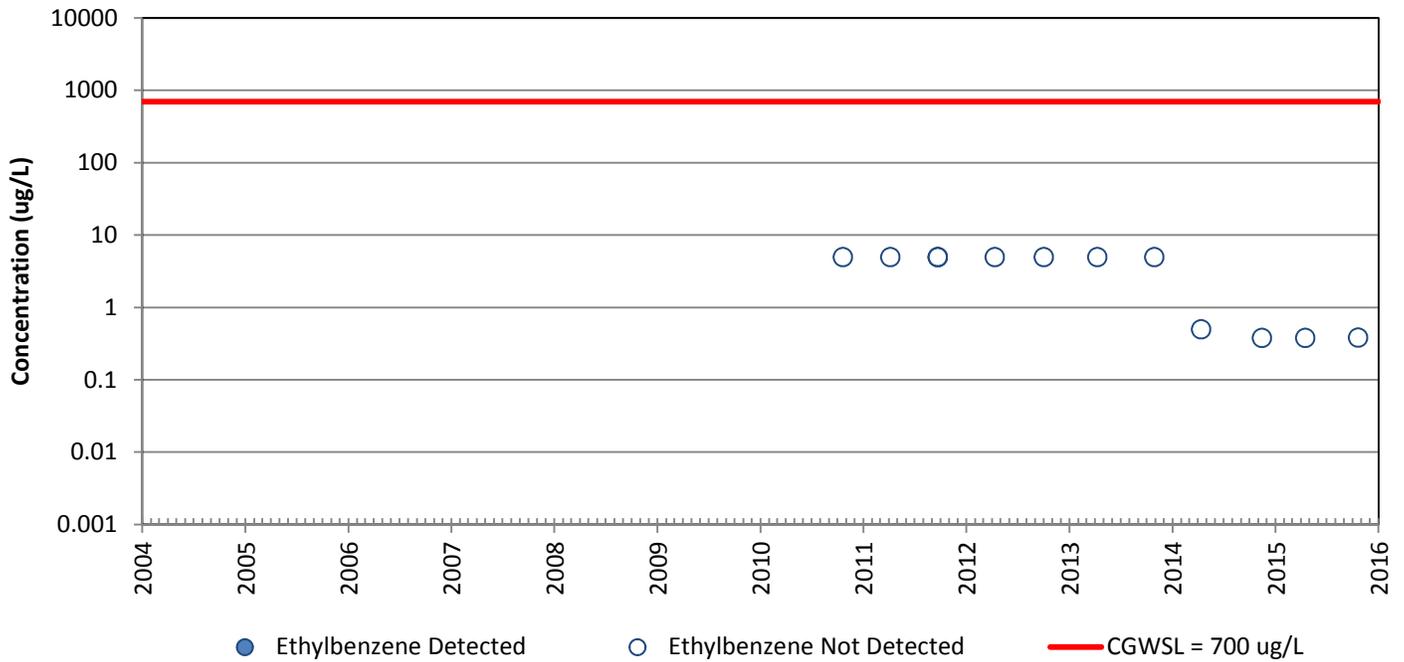


# KWB-12B

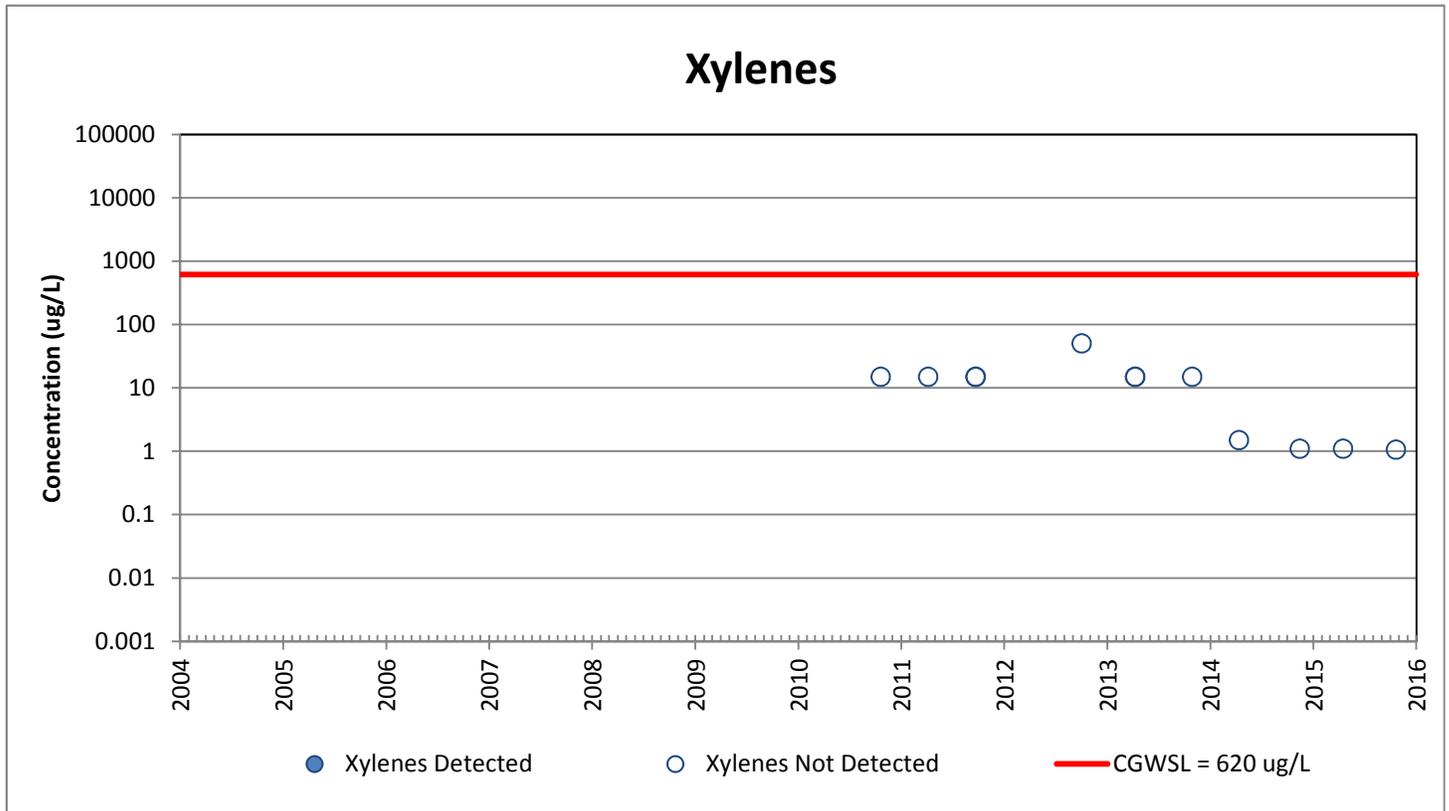
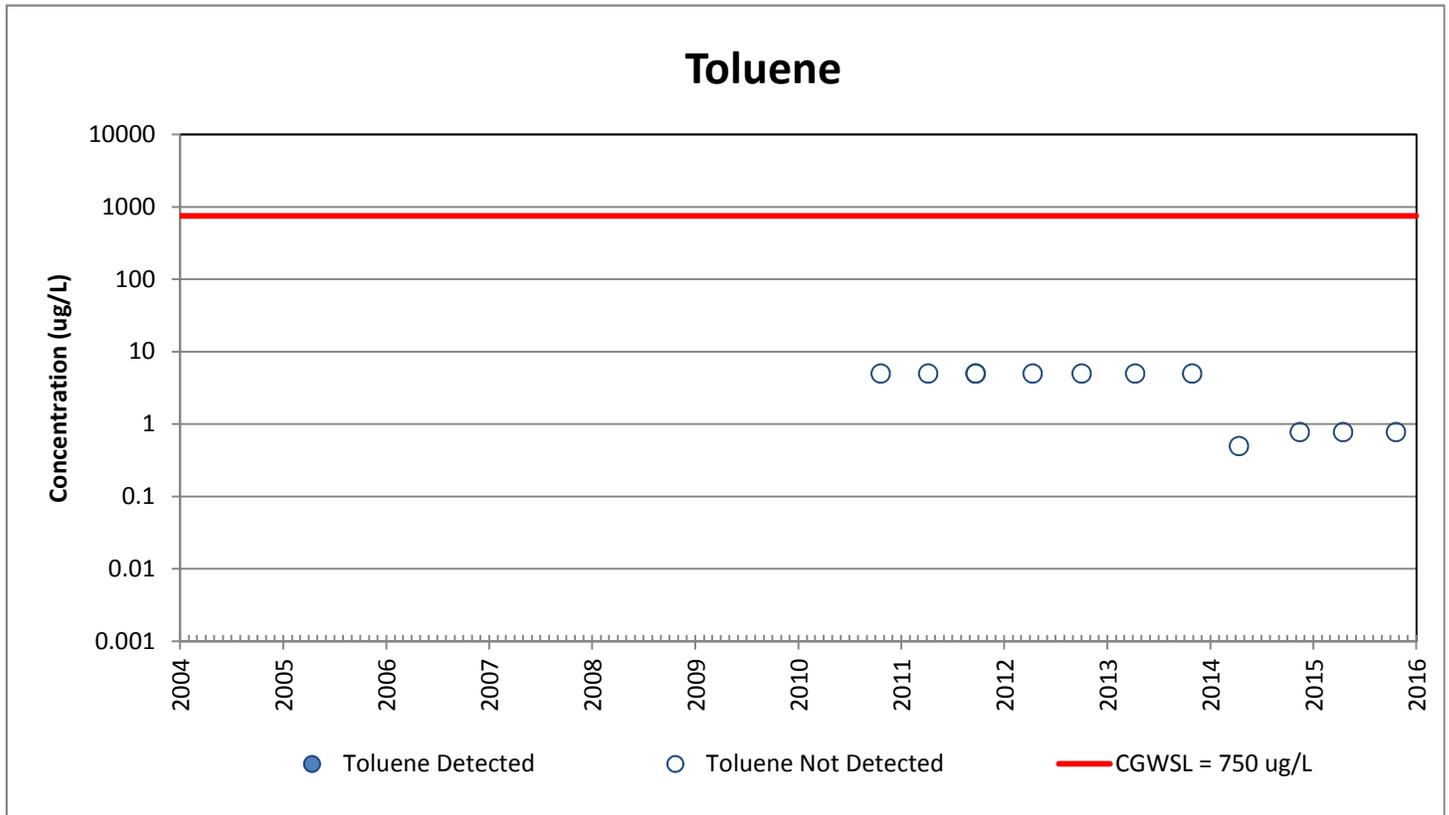
## Benzene



## Ethylbenzene

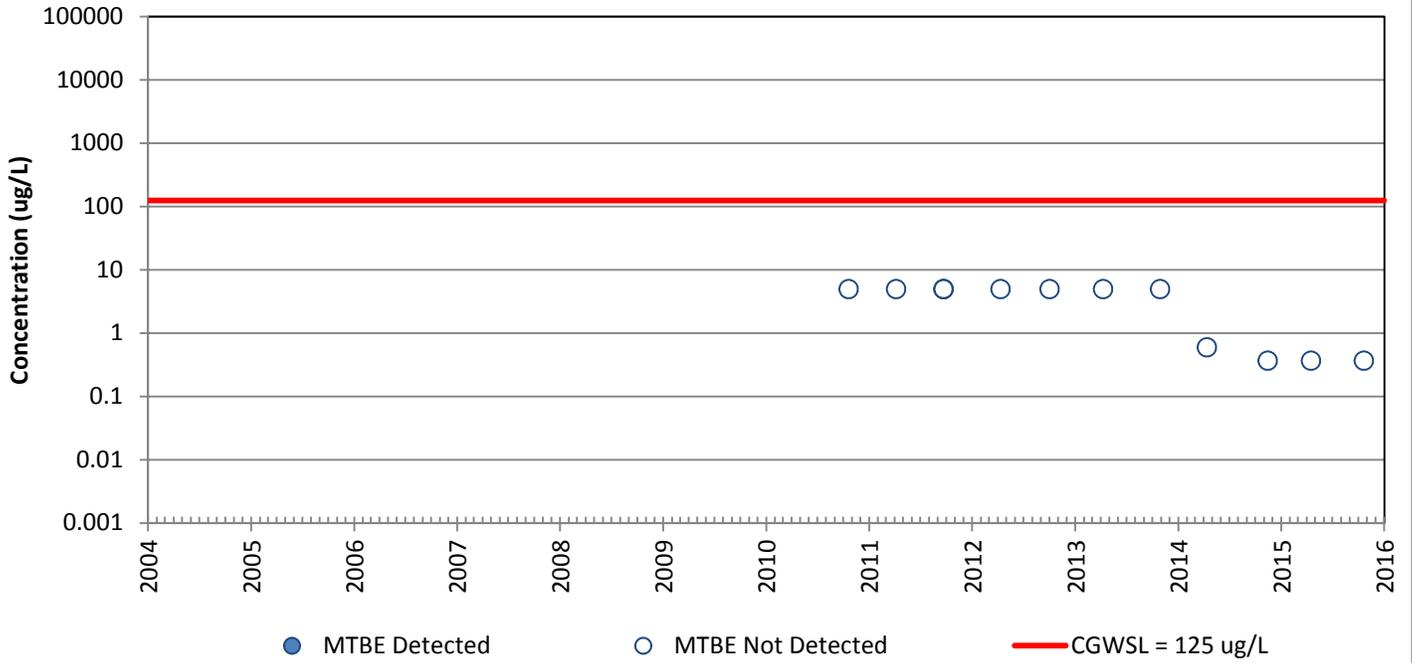


# KWB-12B

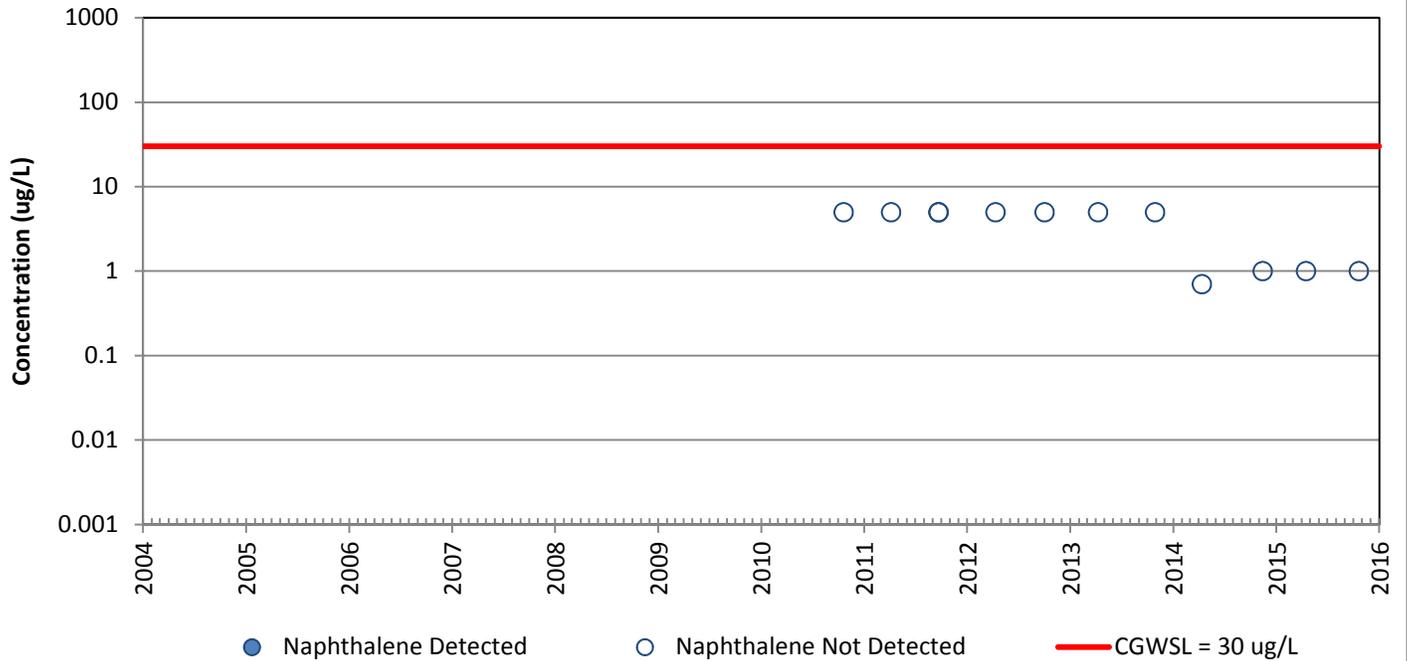


# KWB-12B

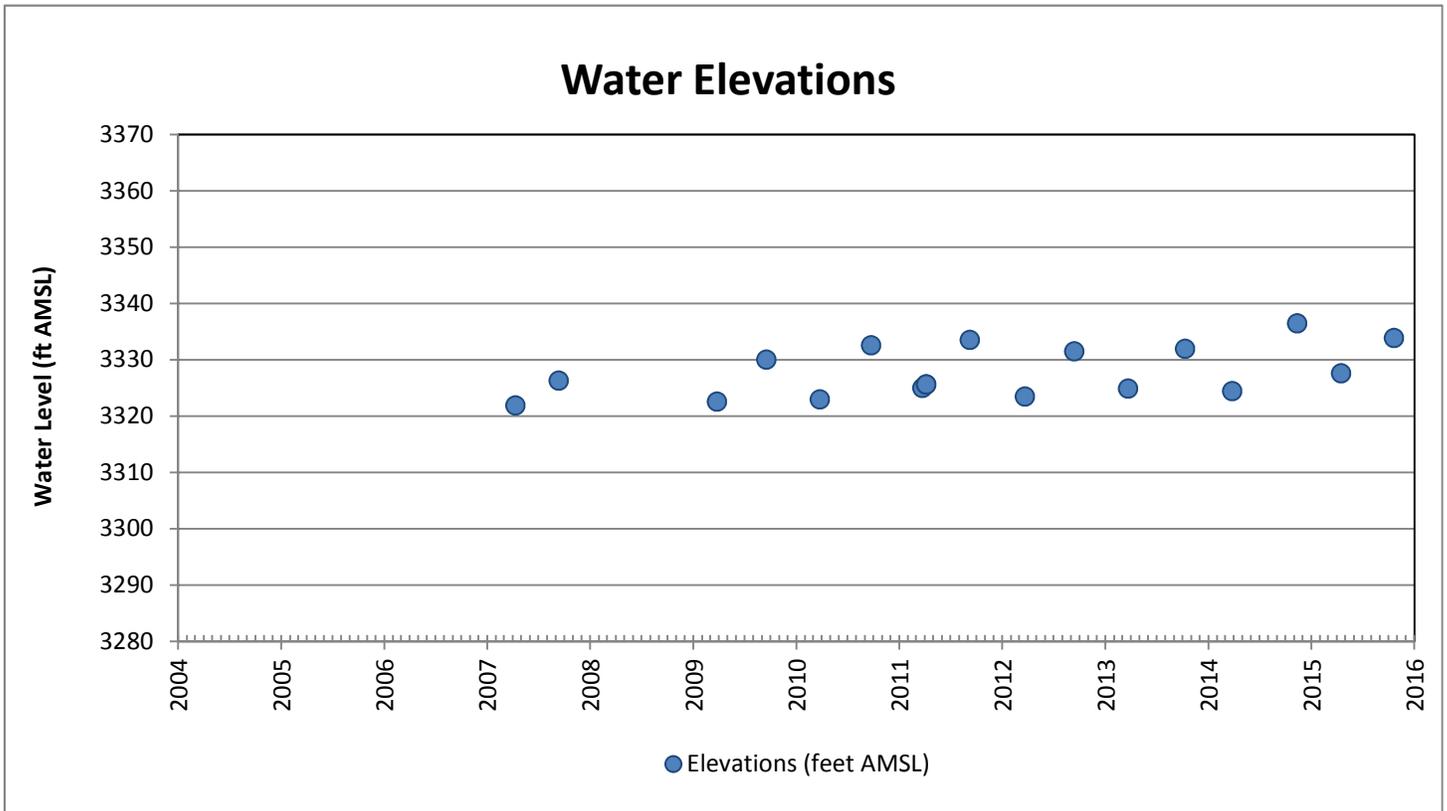
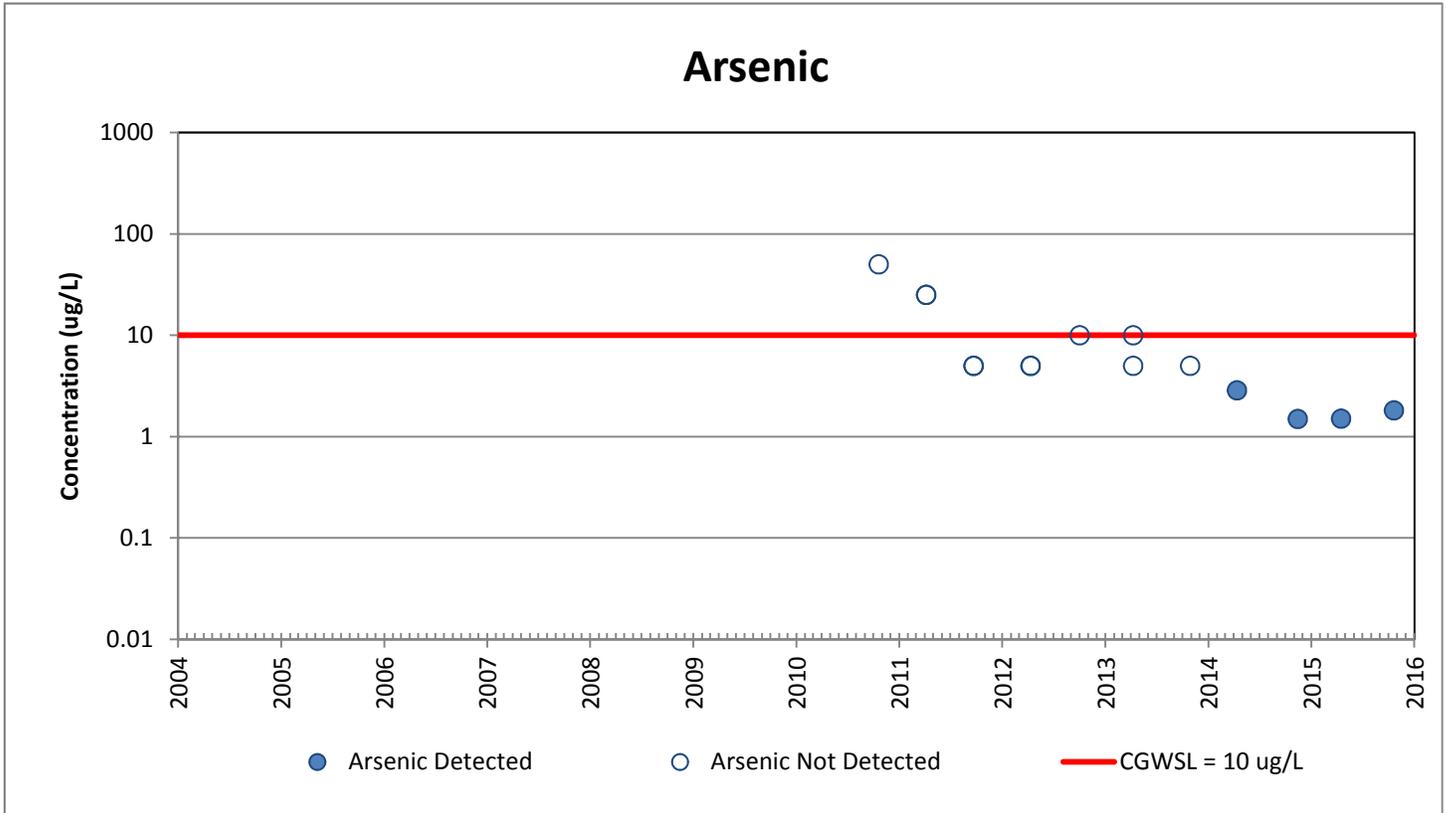
## MTBE



## Naphthalene

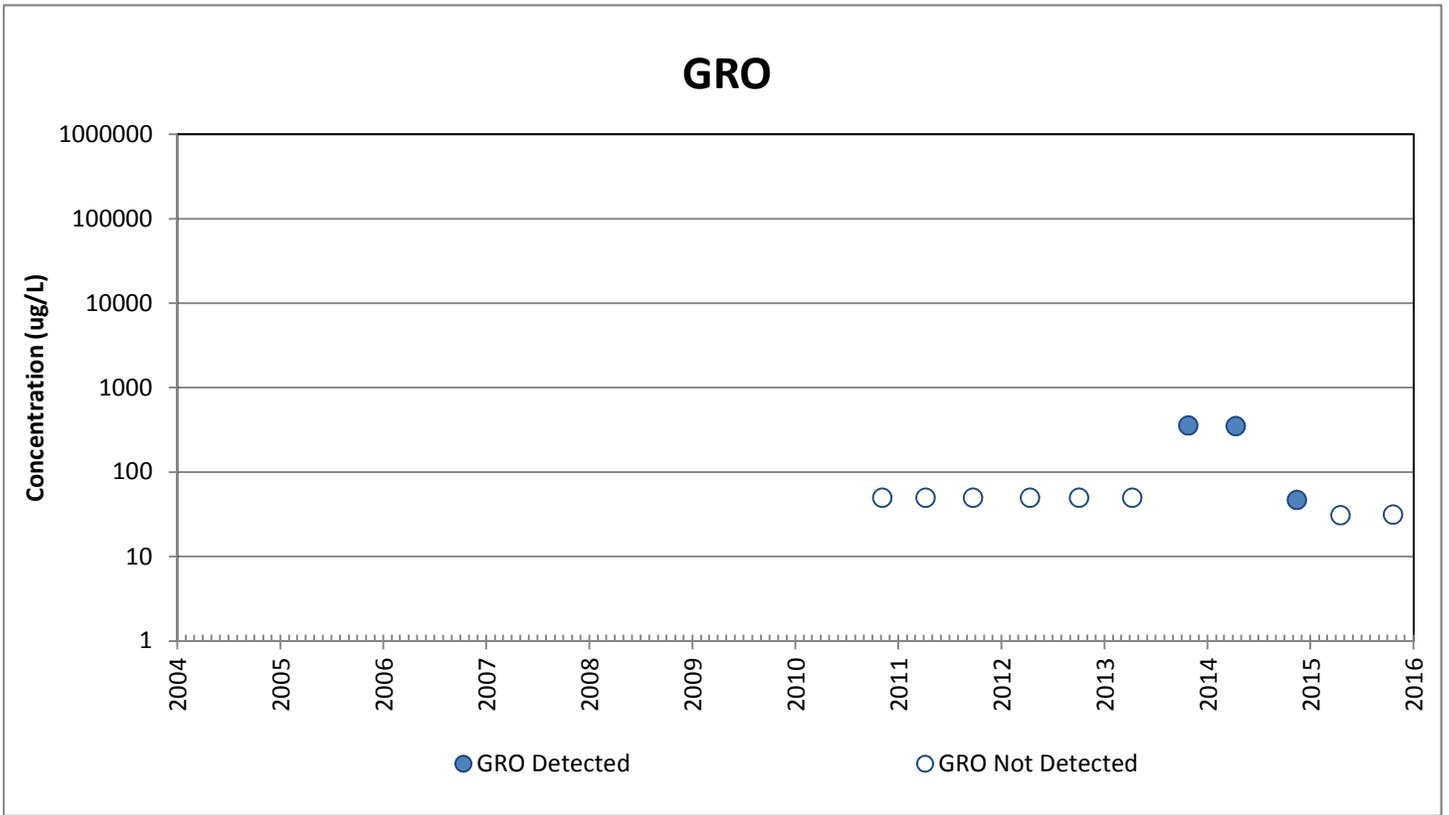


# KWB-12B

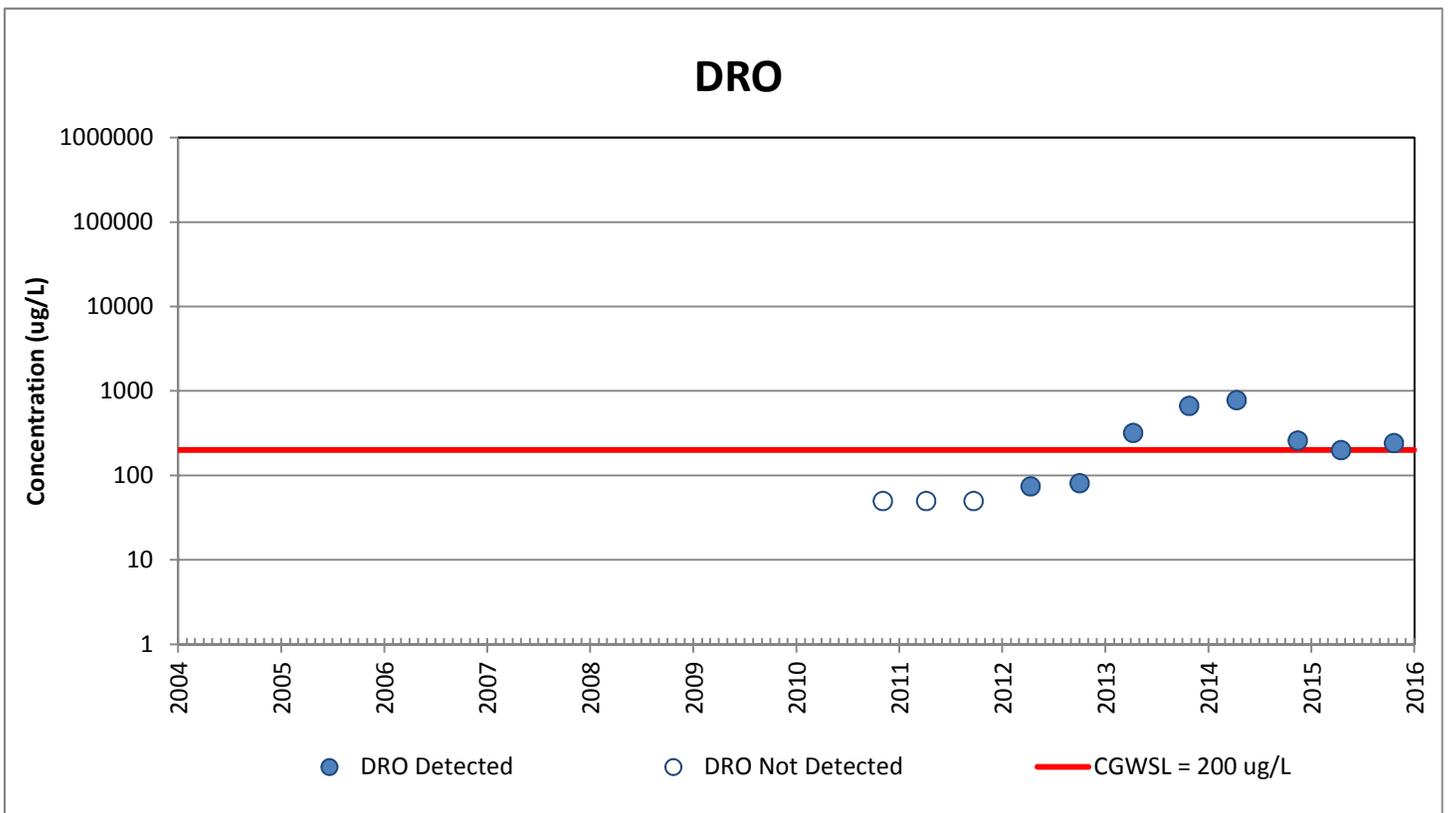


# MW-57

## GRO



## DRO

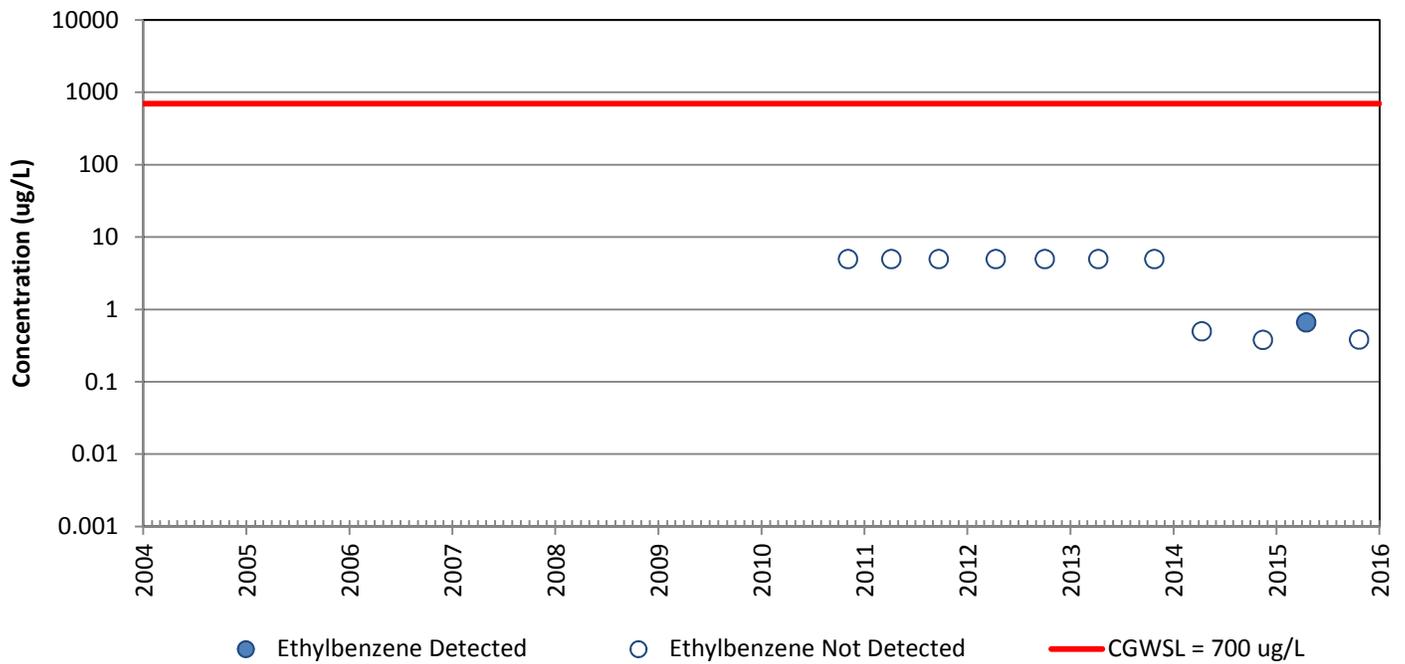


# MW-57

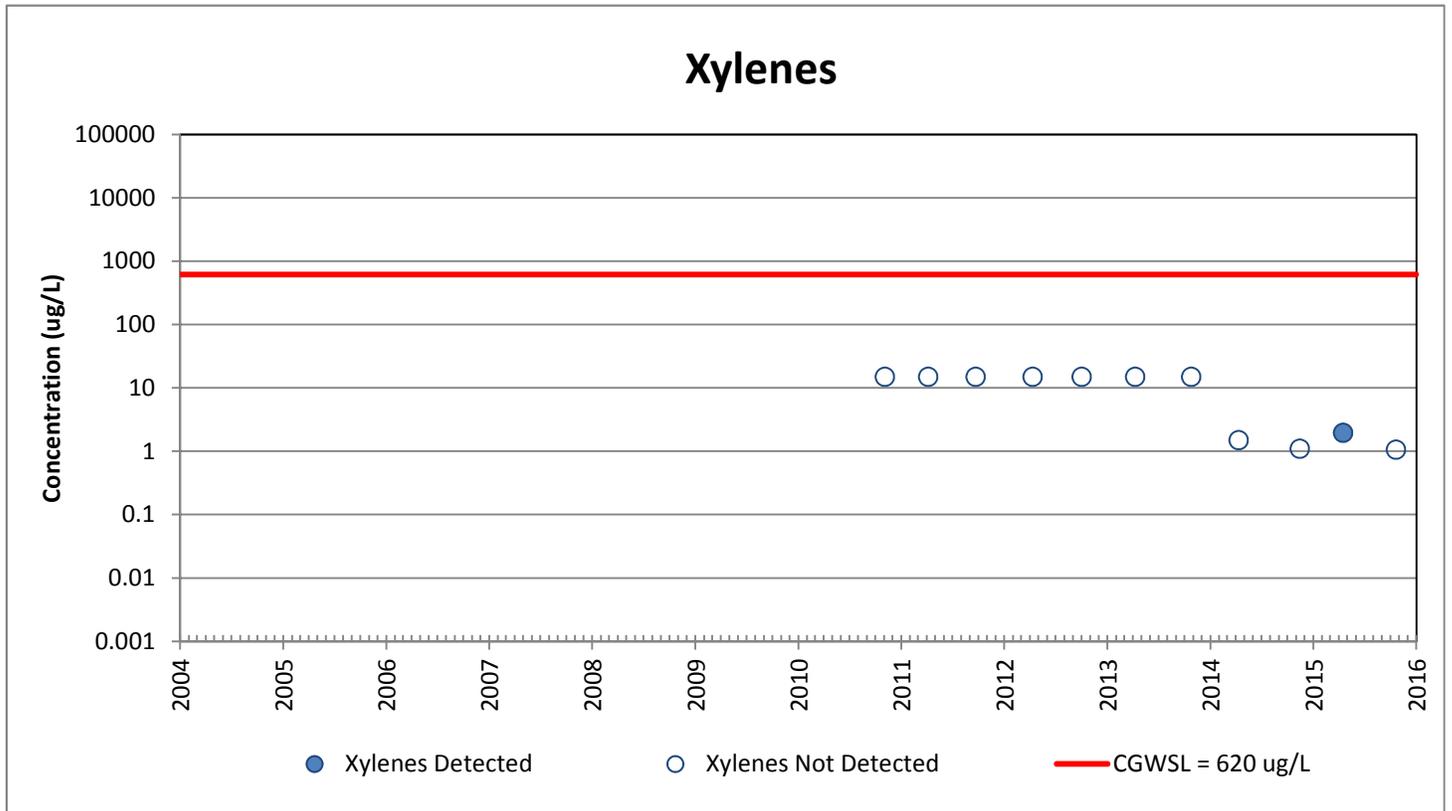
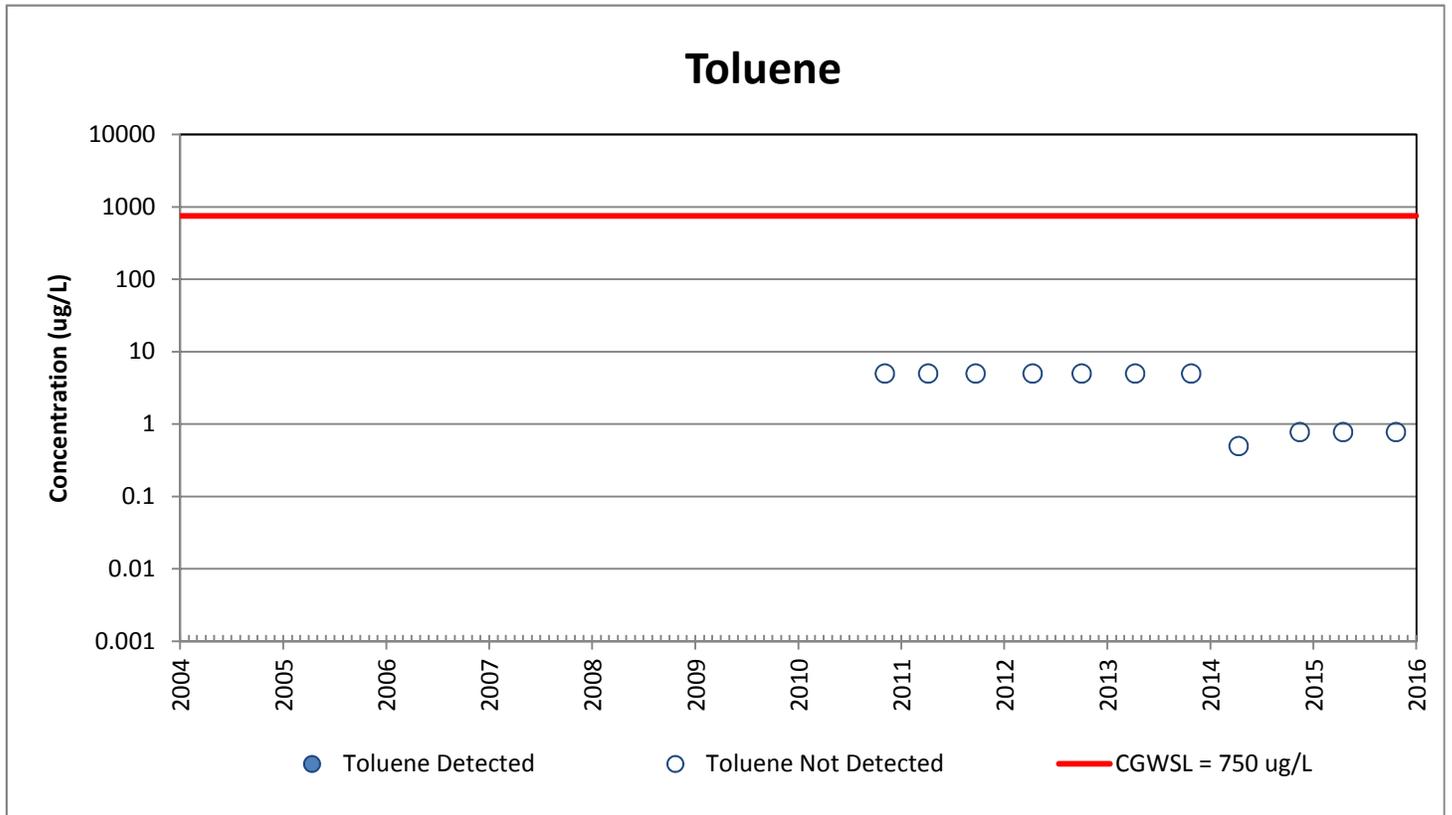
## Benzene



## Ethylbenzene

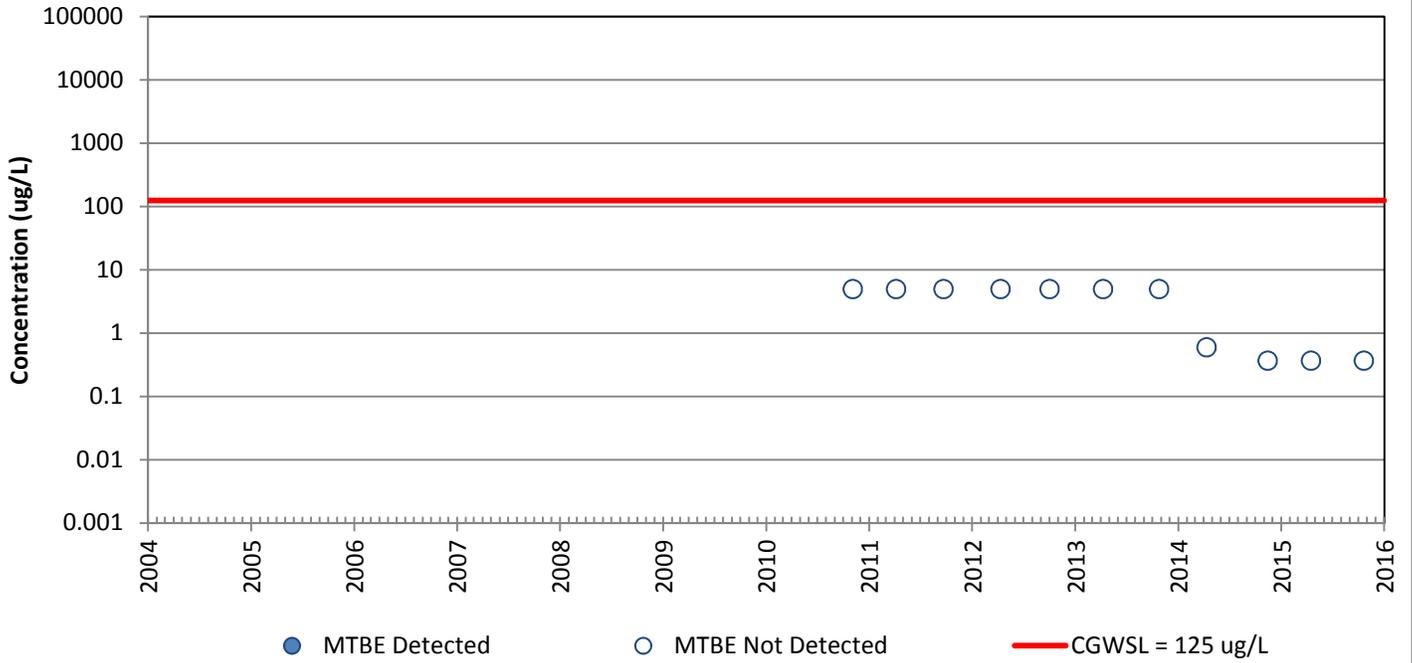


# MW-57

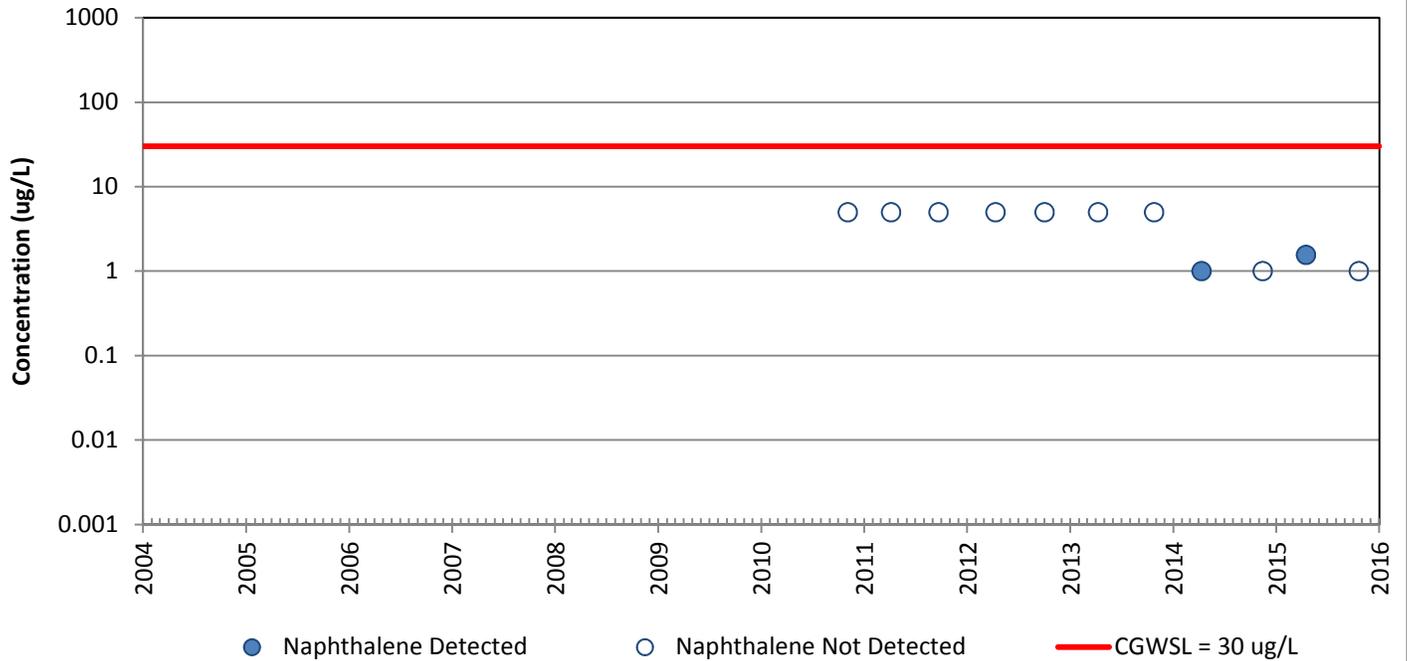


# MW-57

## MTBE

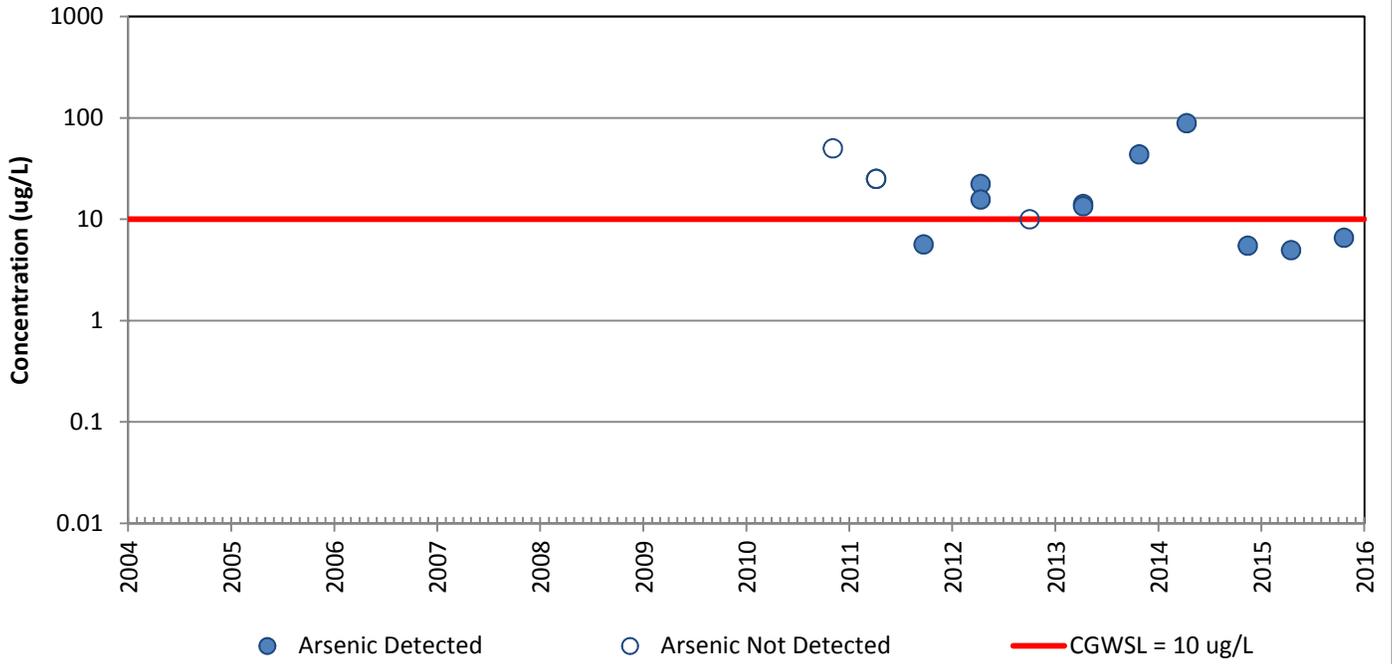


## Naphthalene

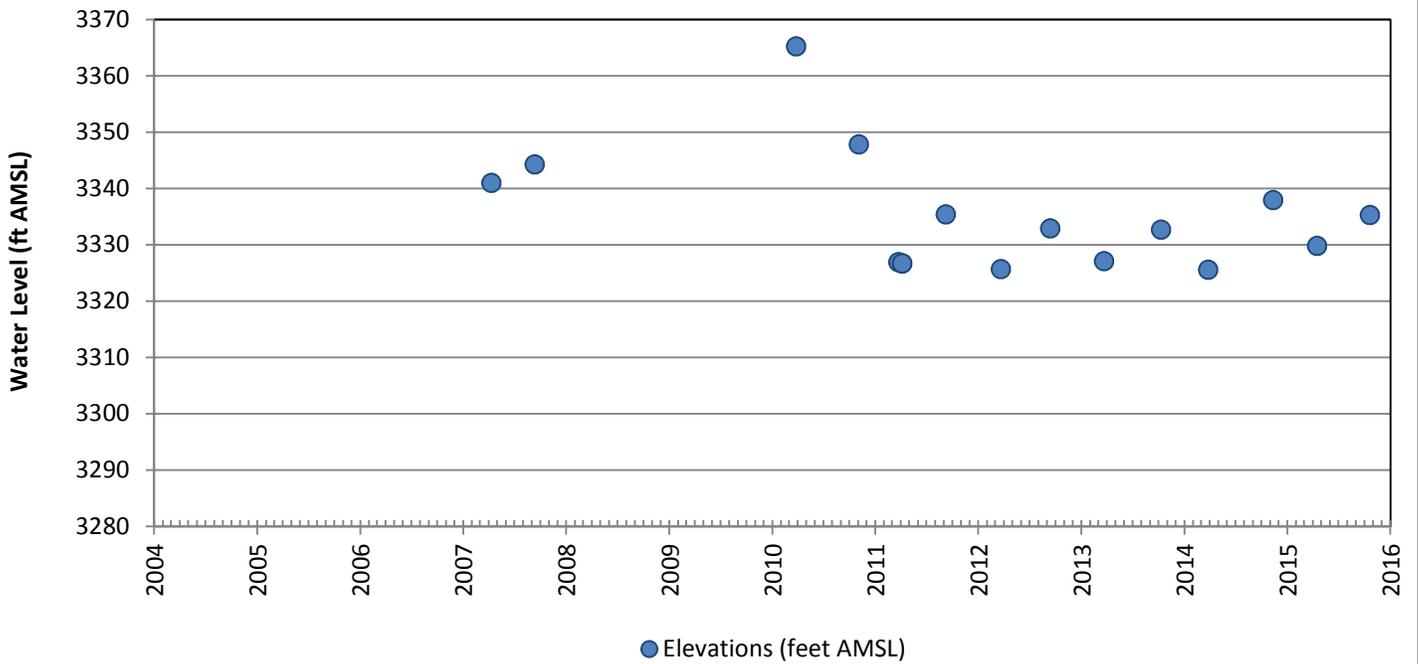


# MW-57

## Arsenic

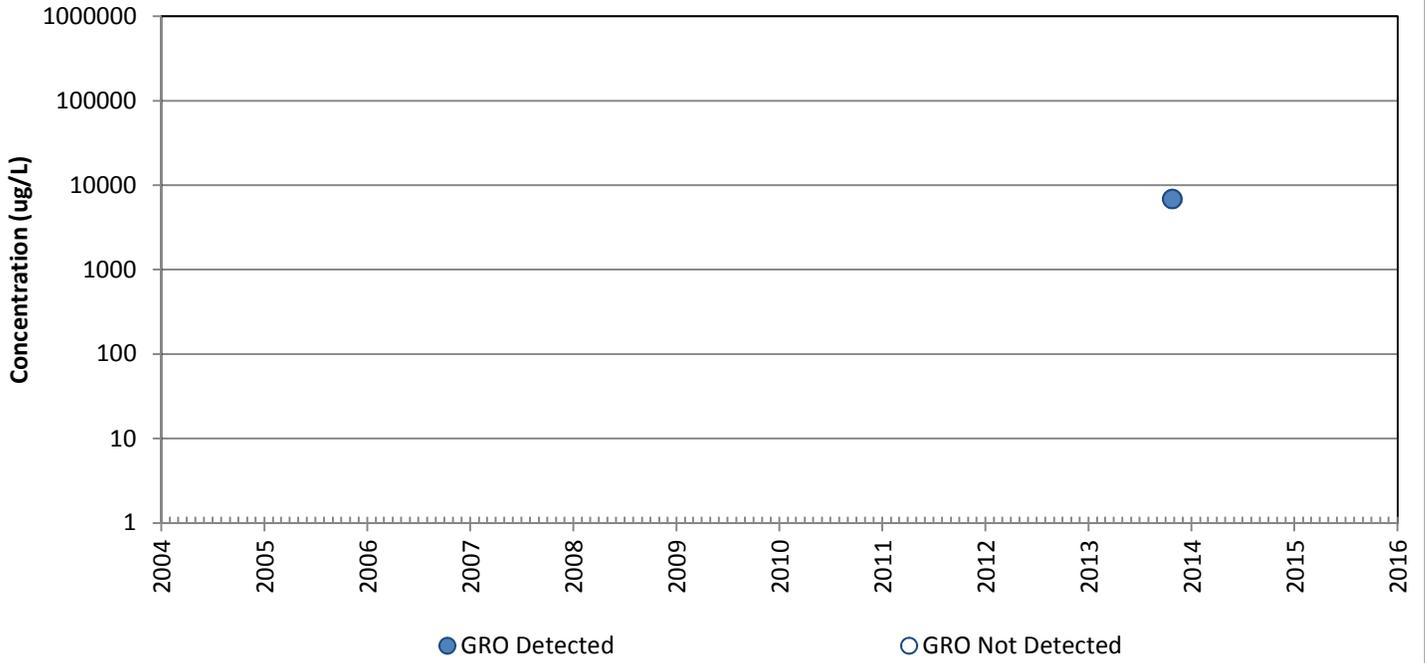


## Water Elevations

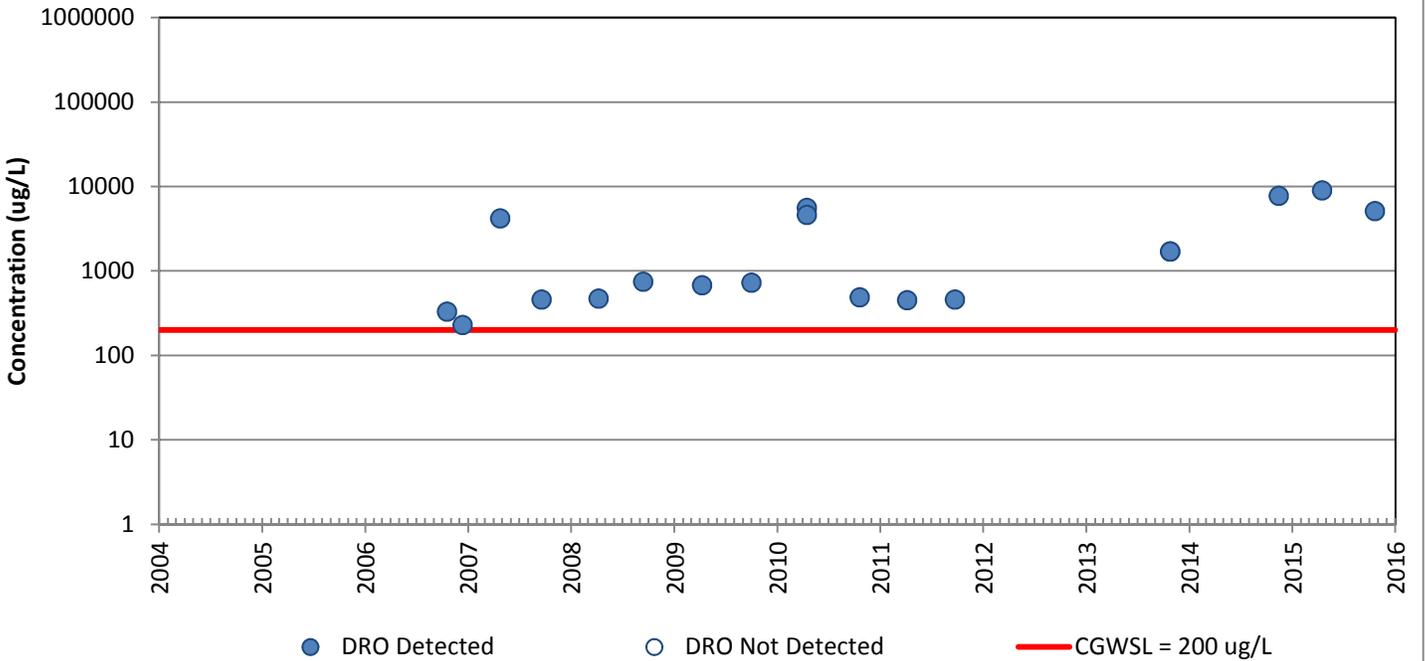


# MW-58

## GRO

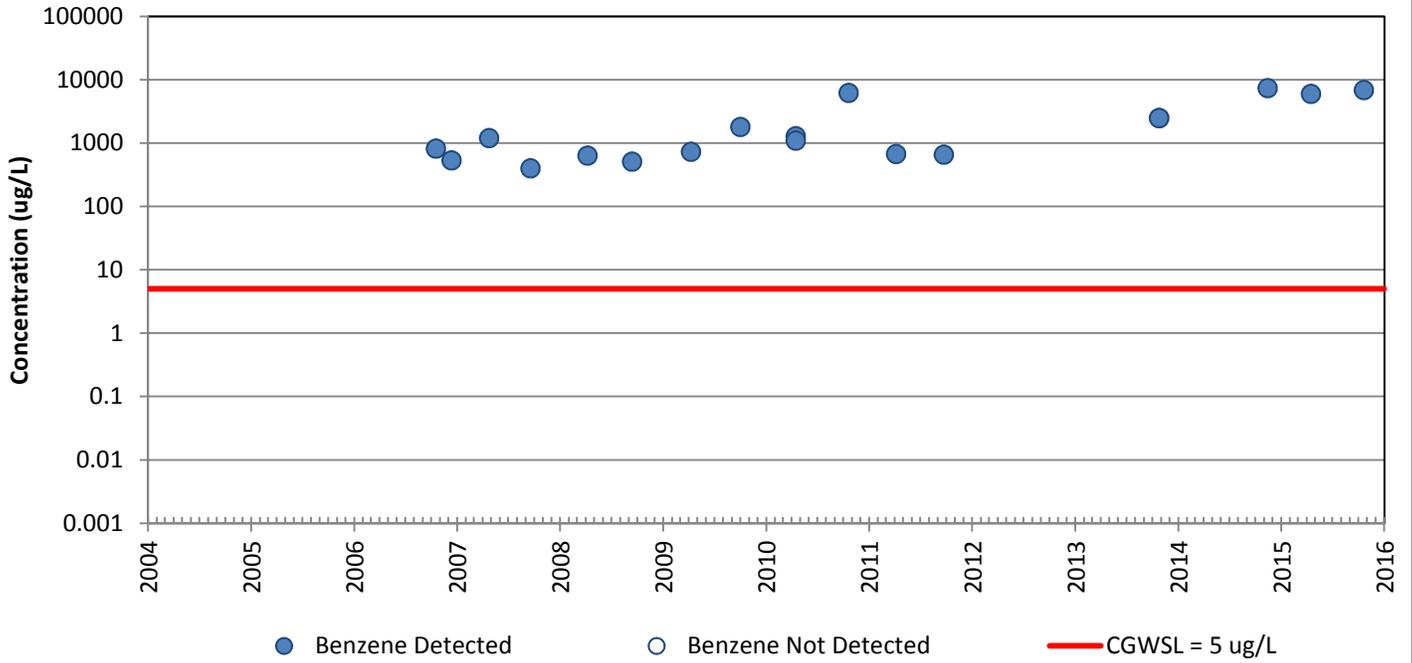


## DRO

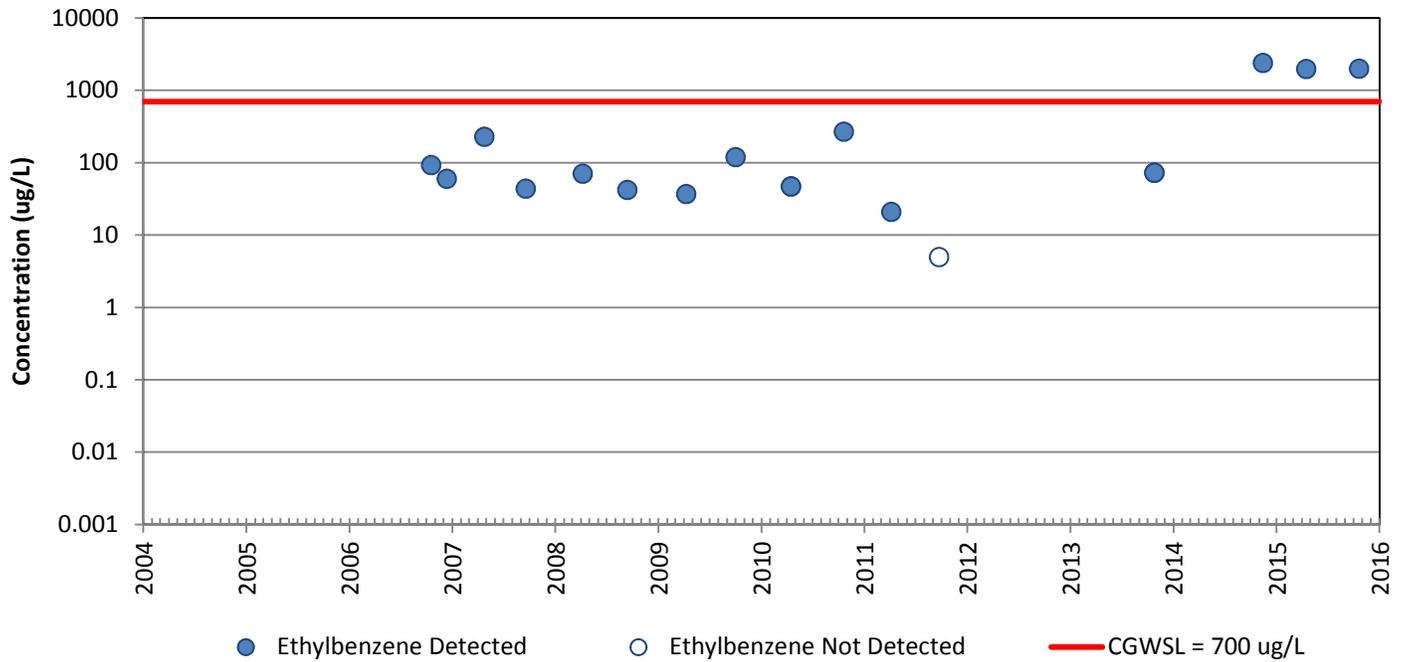


# MW-58

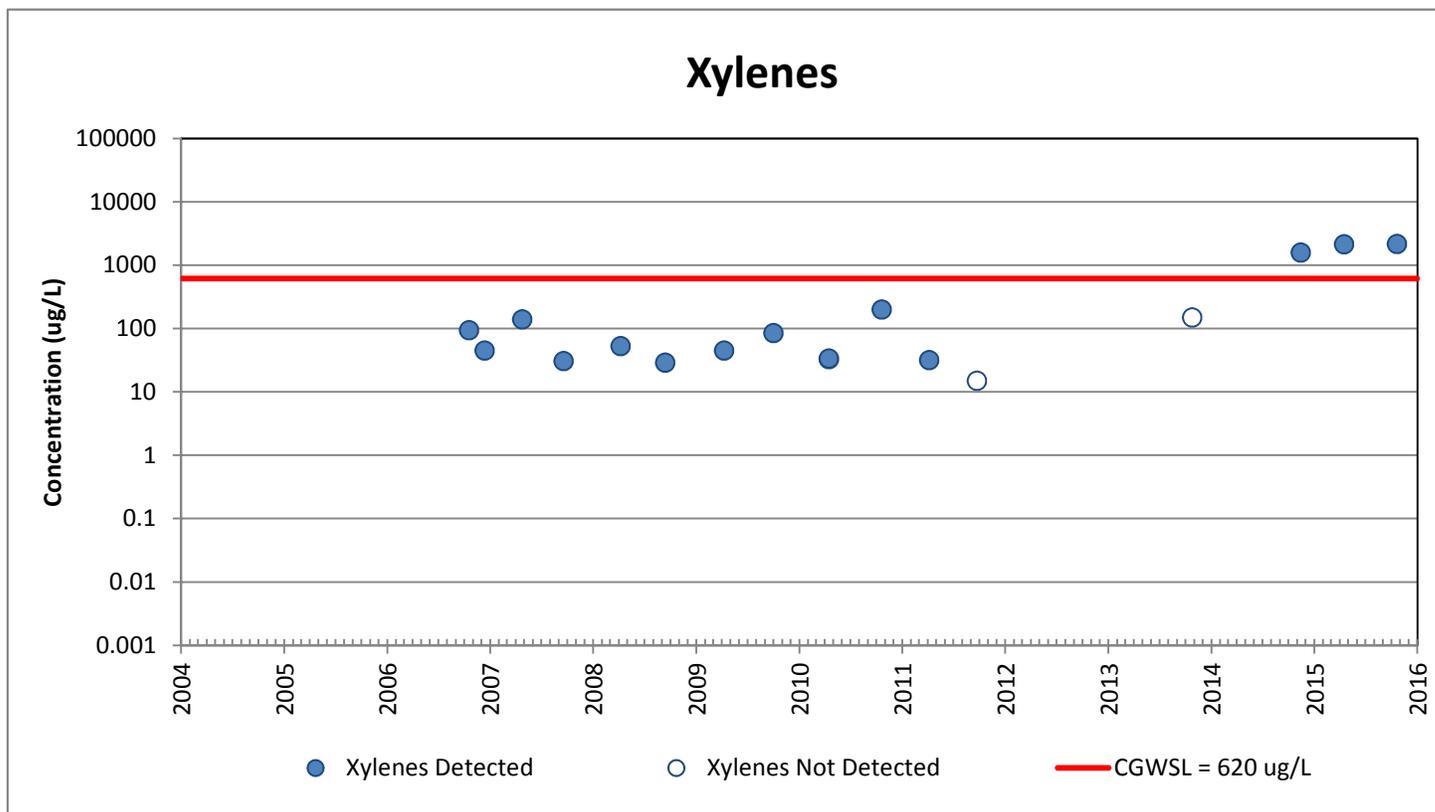
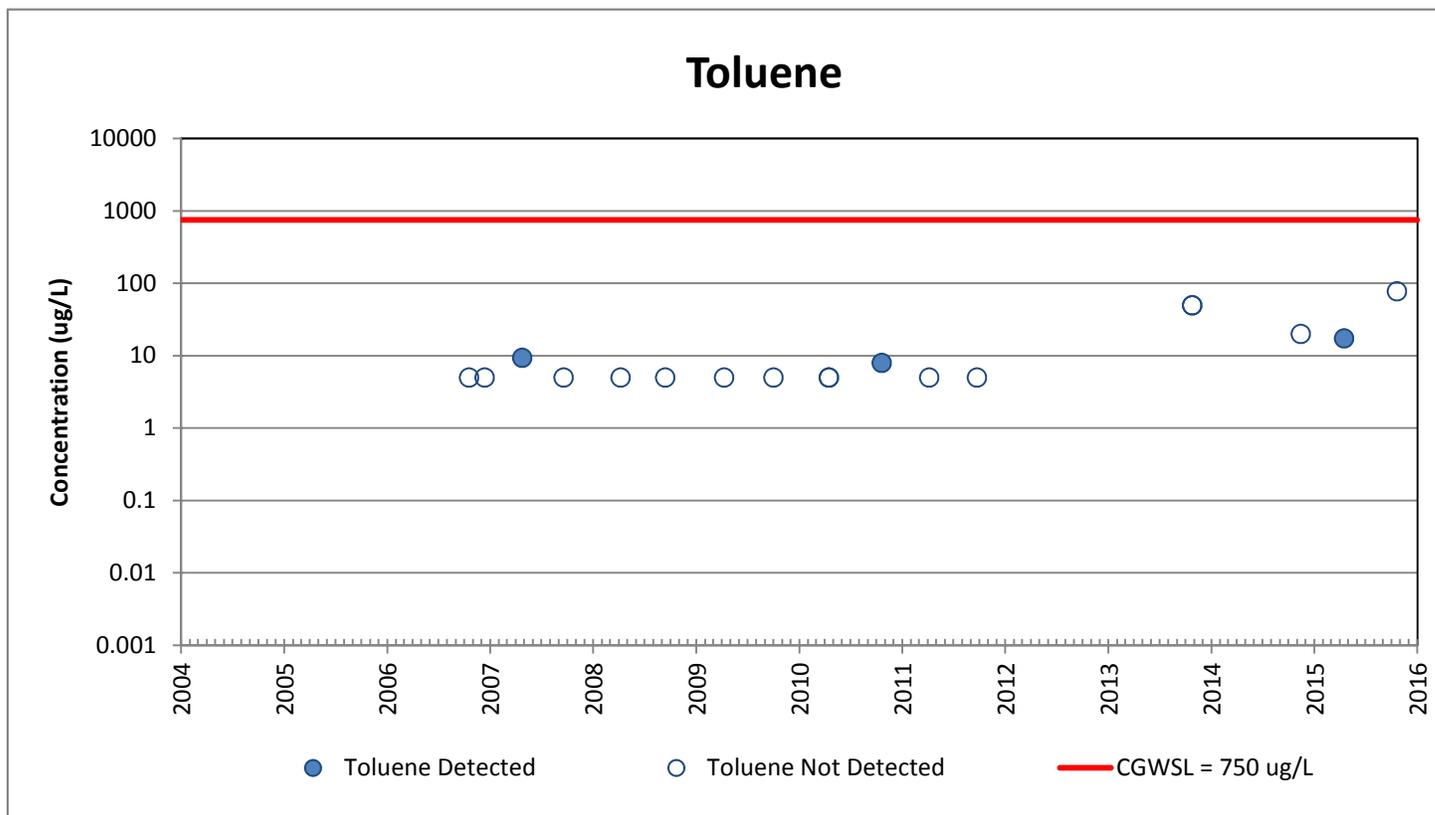
## Benzene



## Ethylbenzene

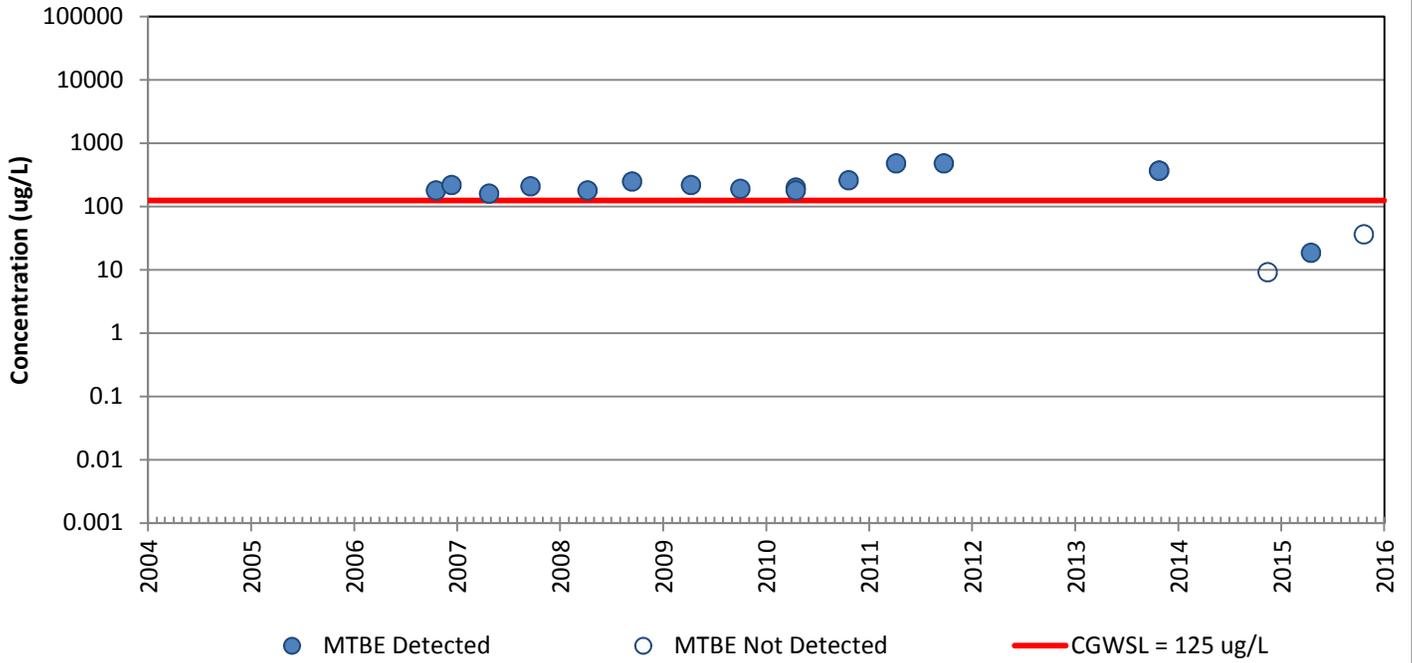


# MW-58

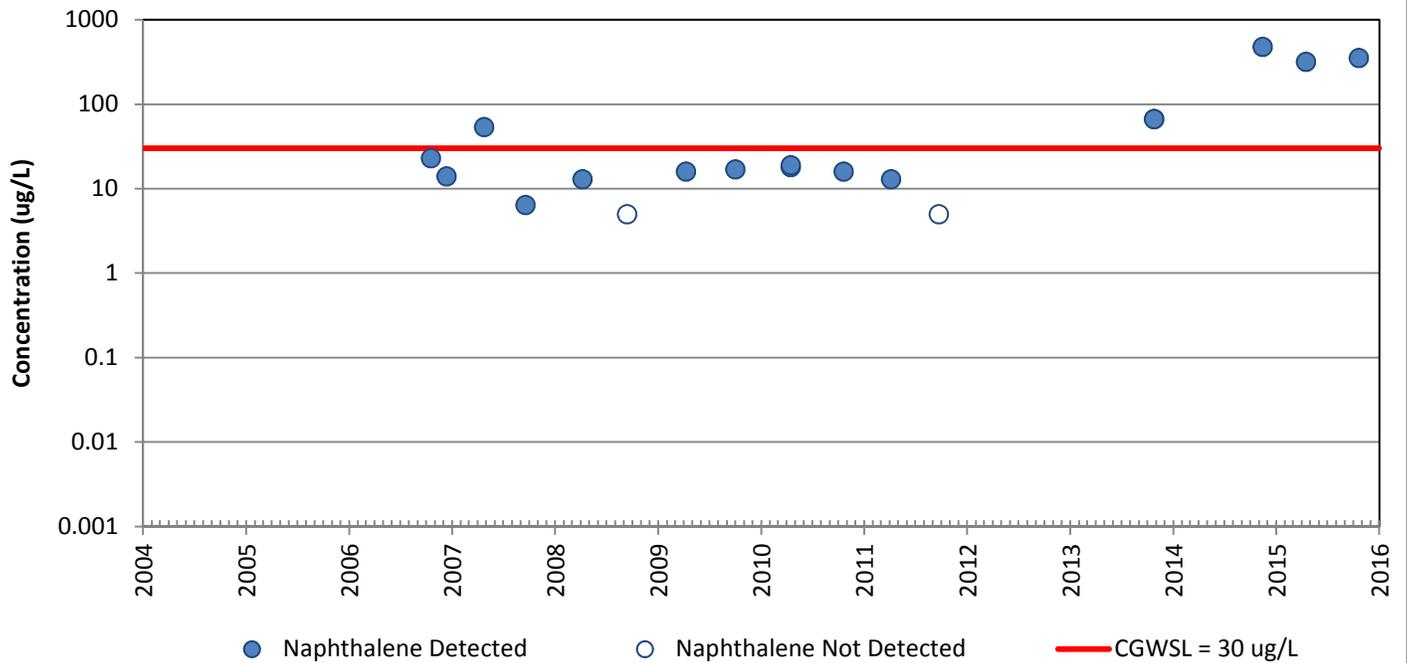


# MW-58

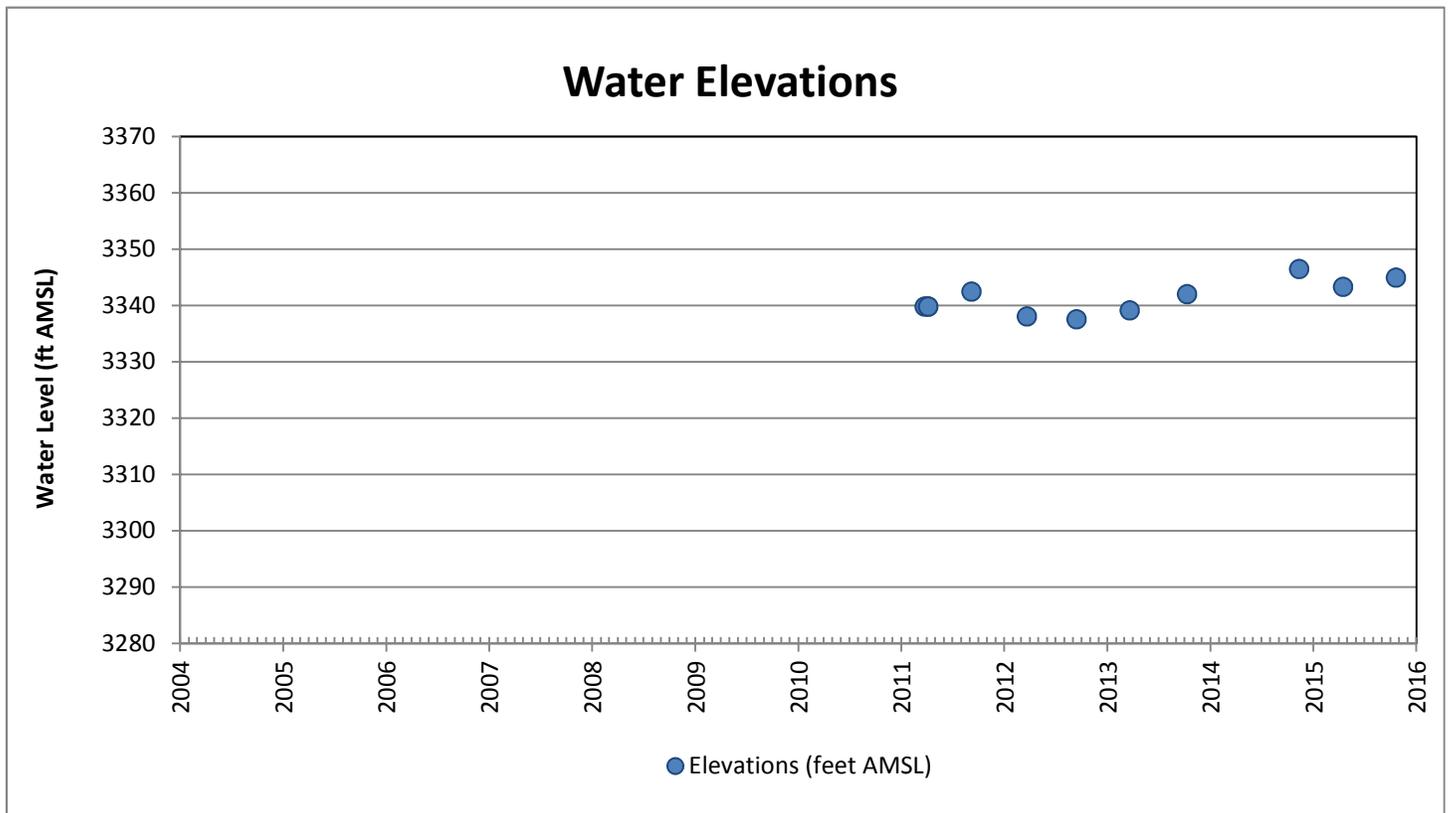
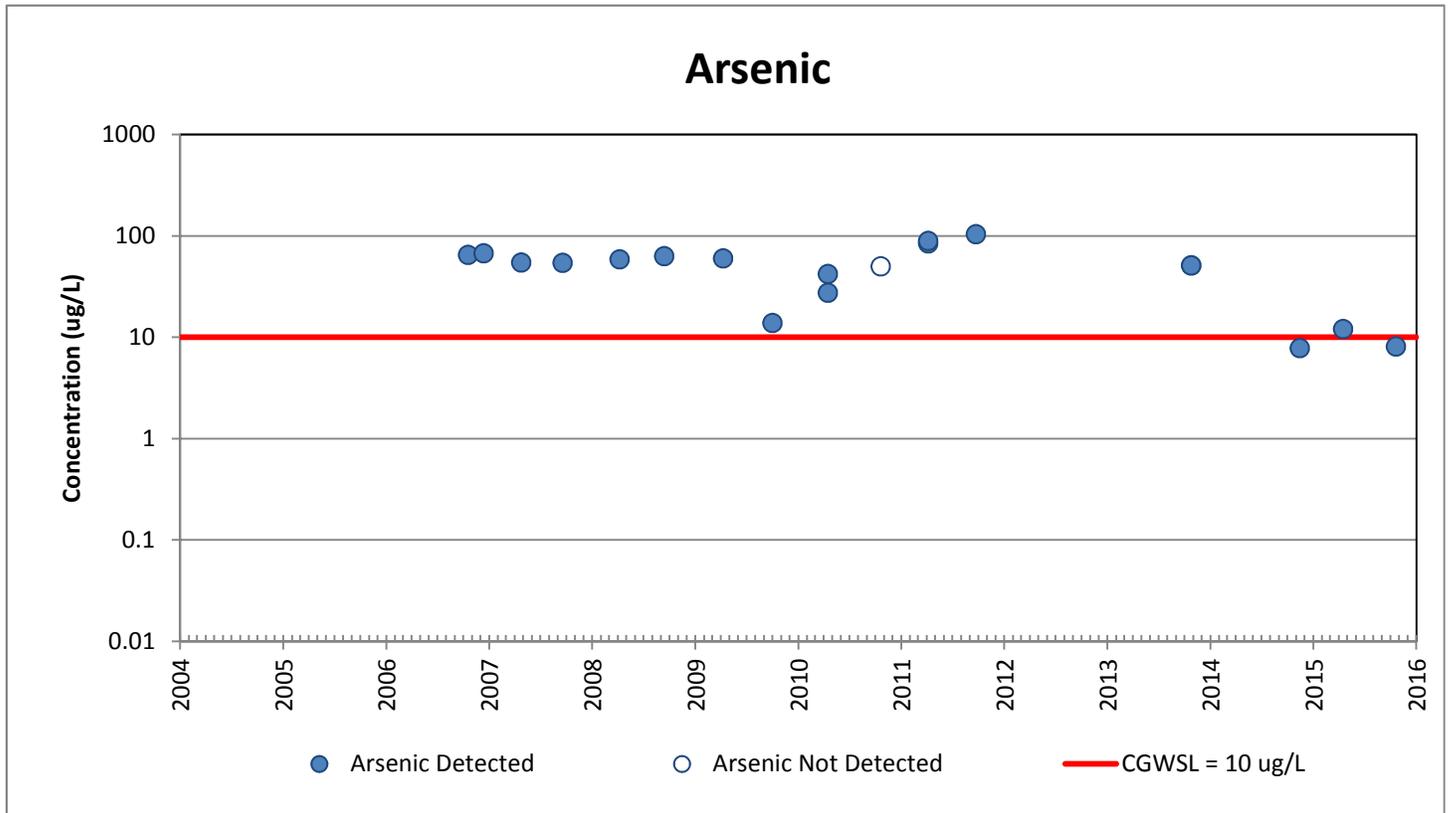
## MTBE



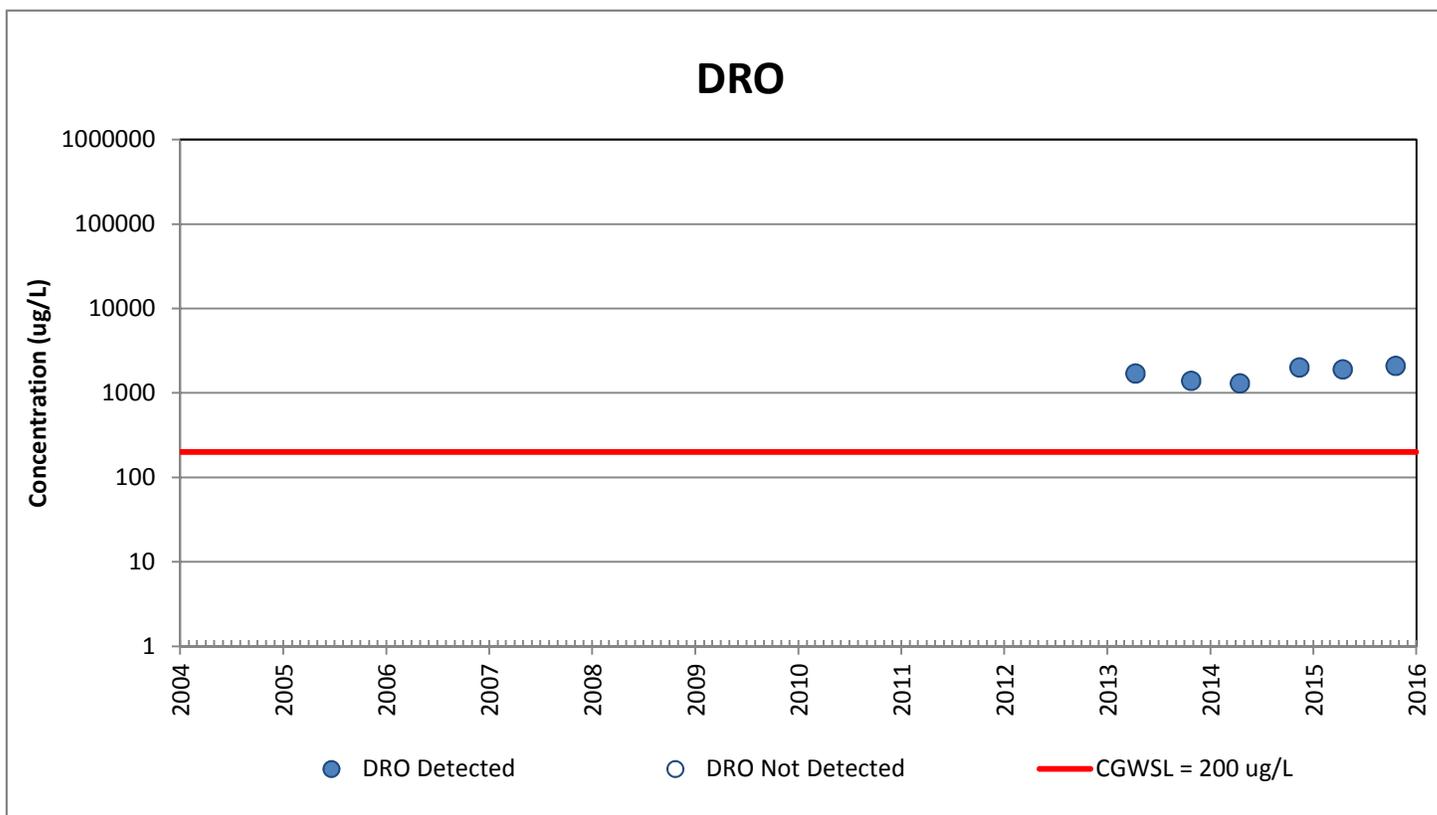
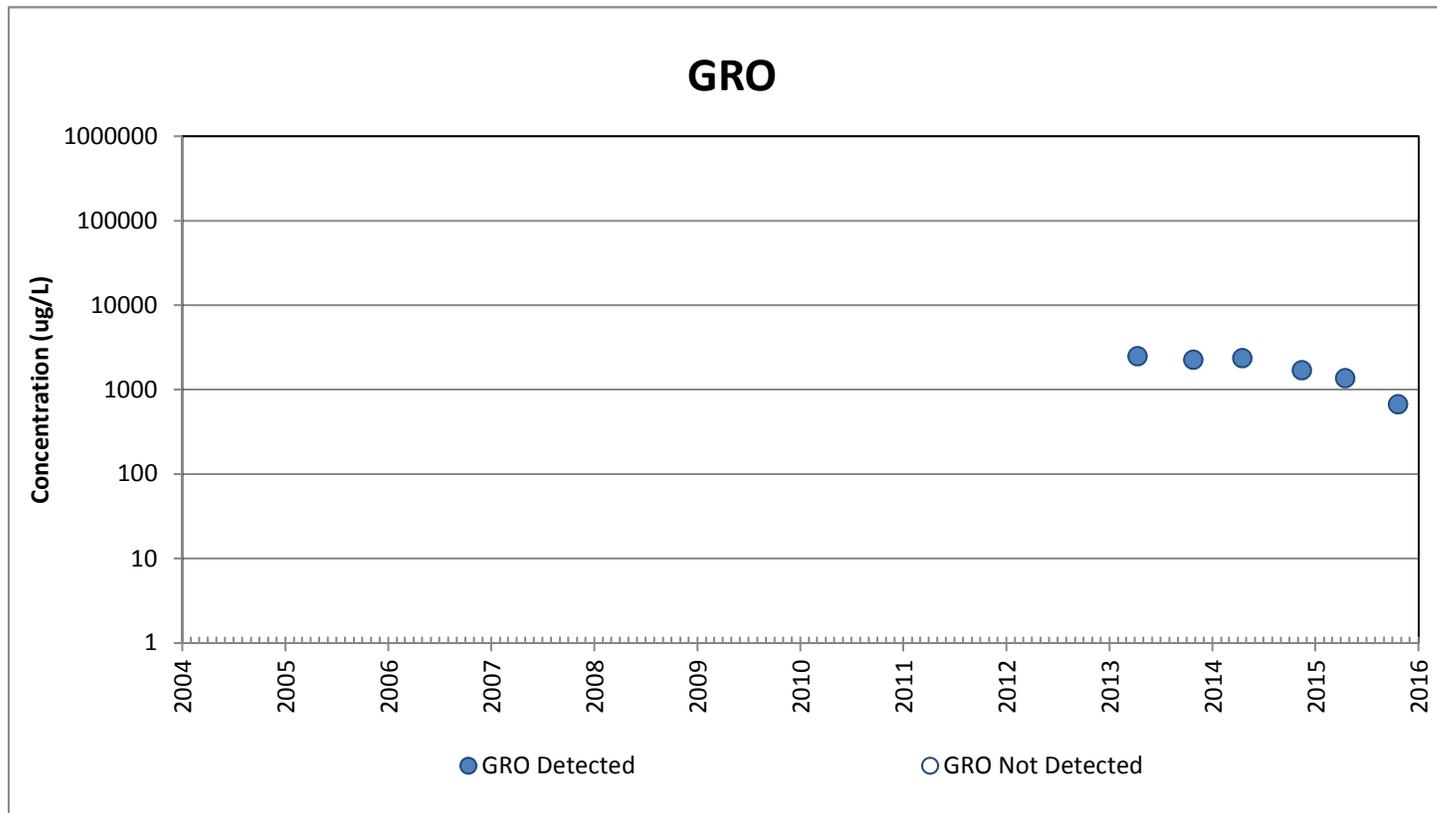
## Naphthalene



# MW-58

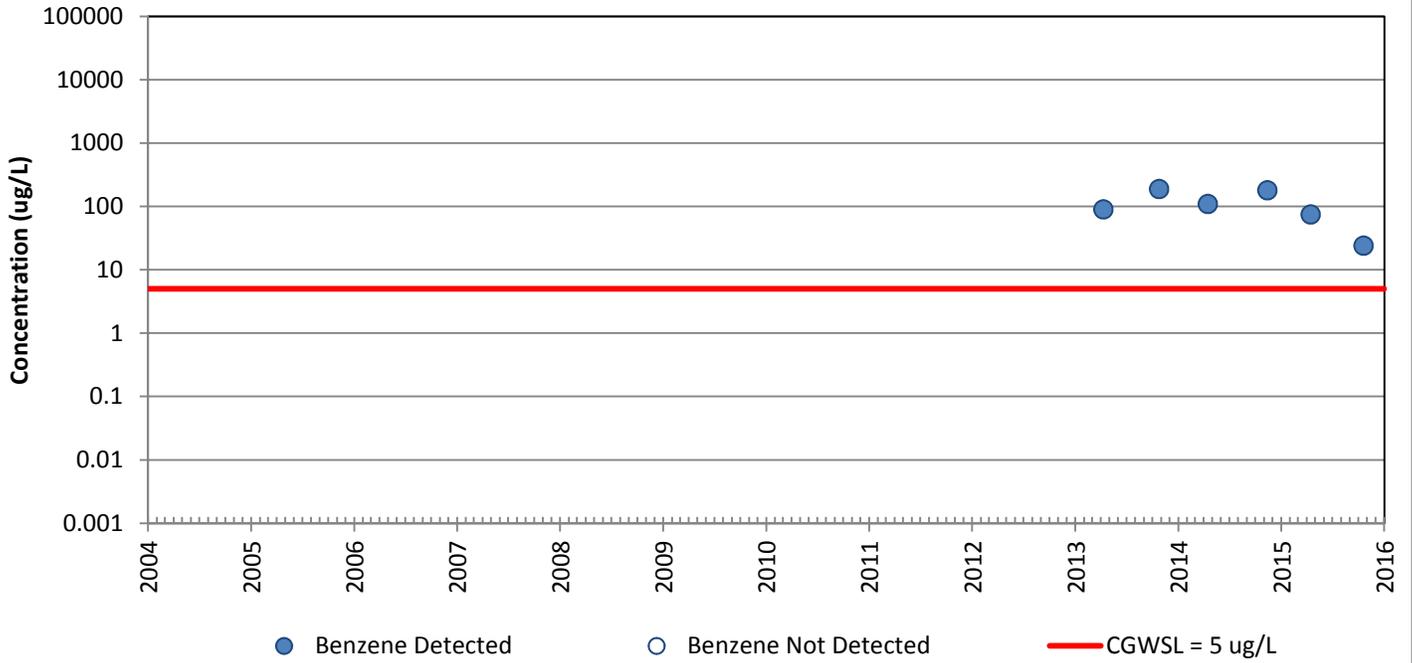


# MW-111

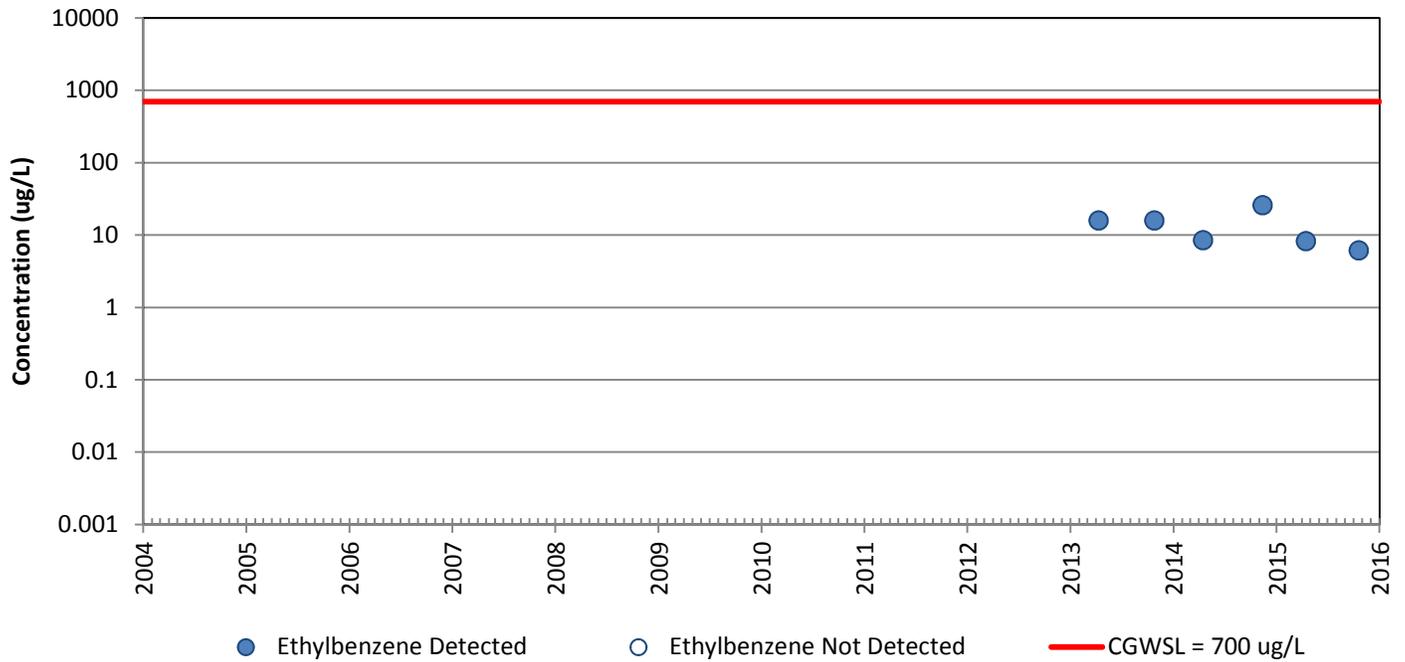


# MW-111

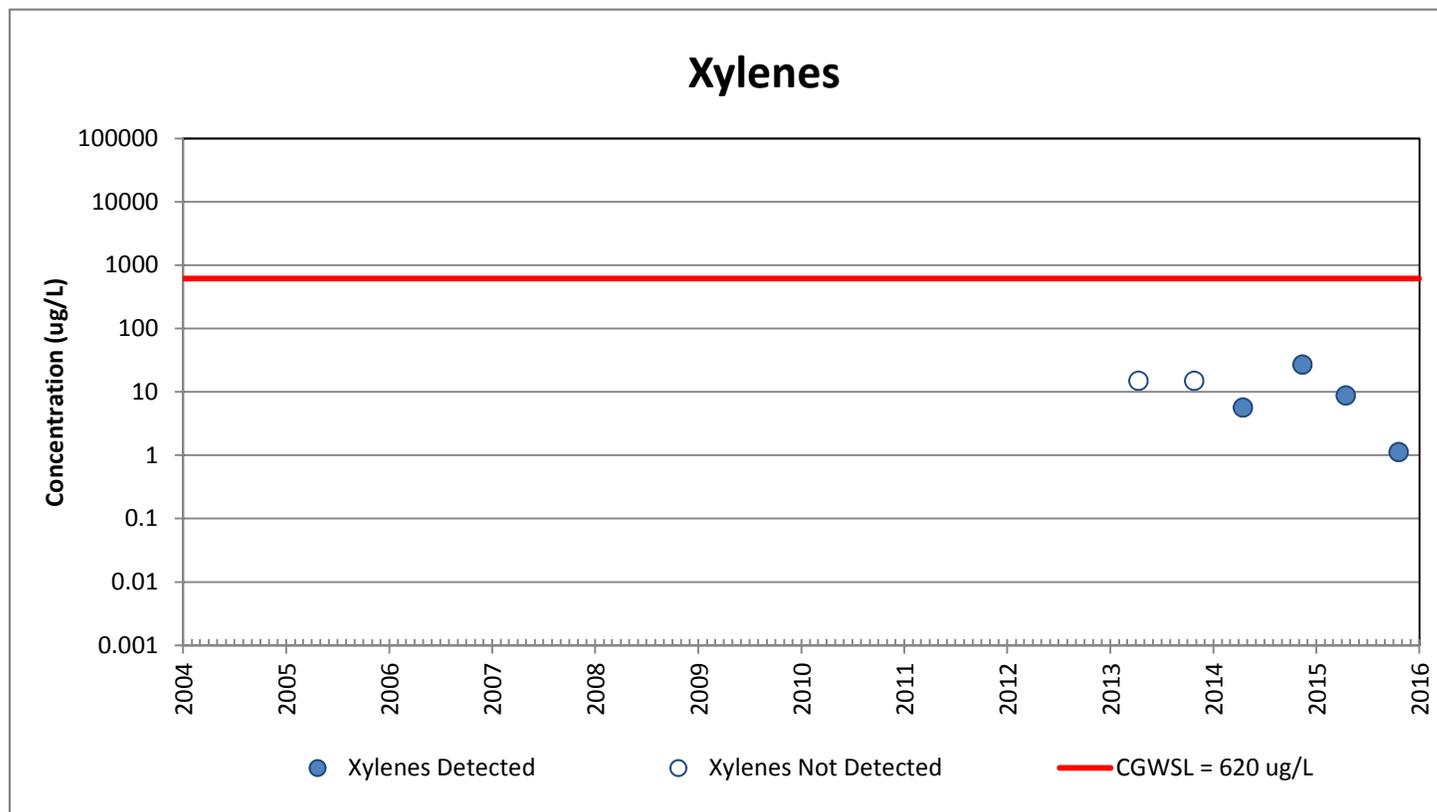
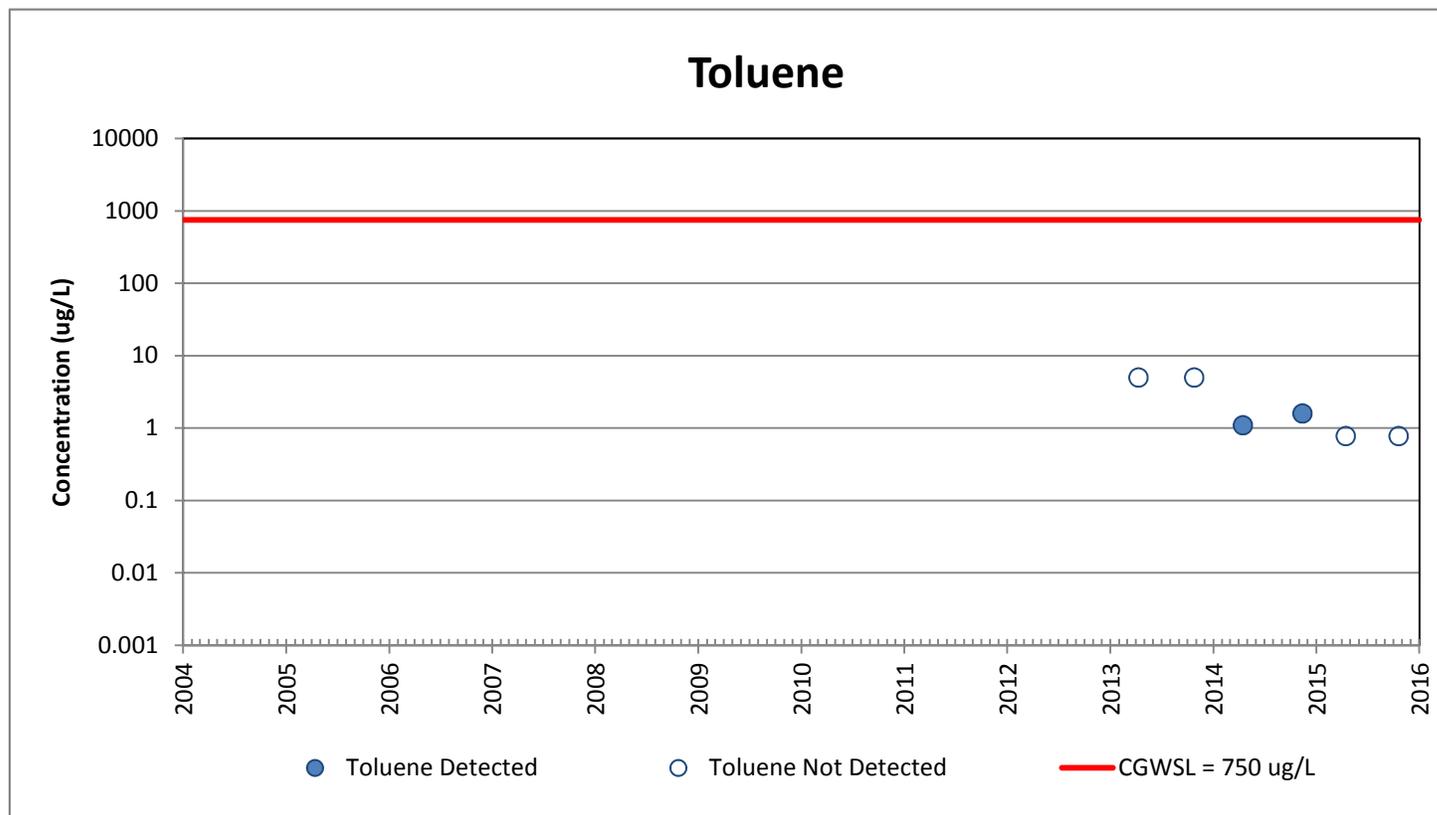
## Benzene



## Ethylbenzene

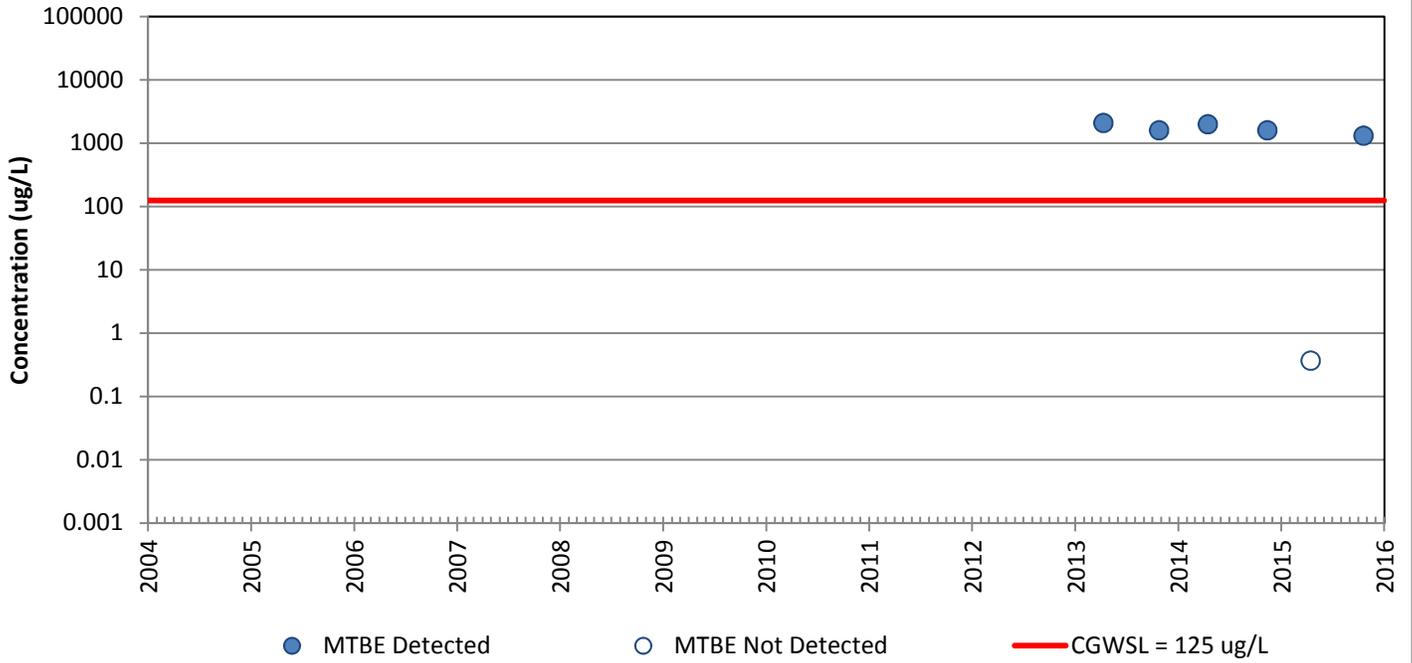


# MW-111

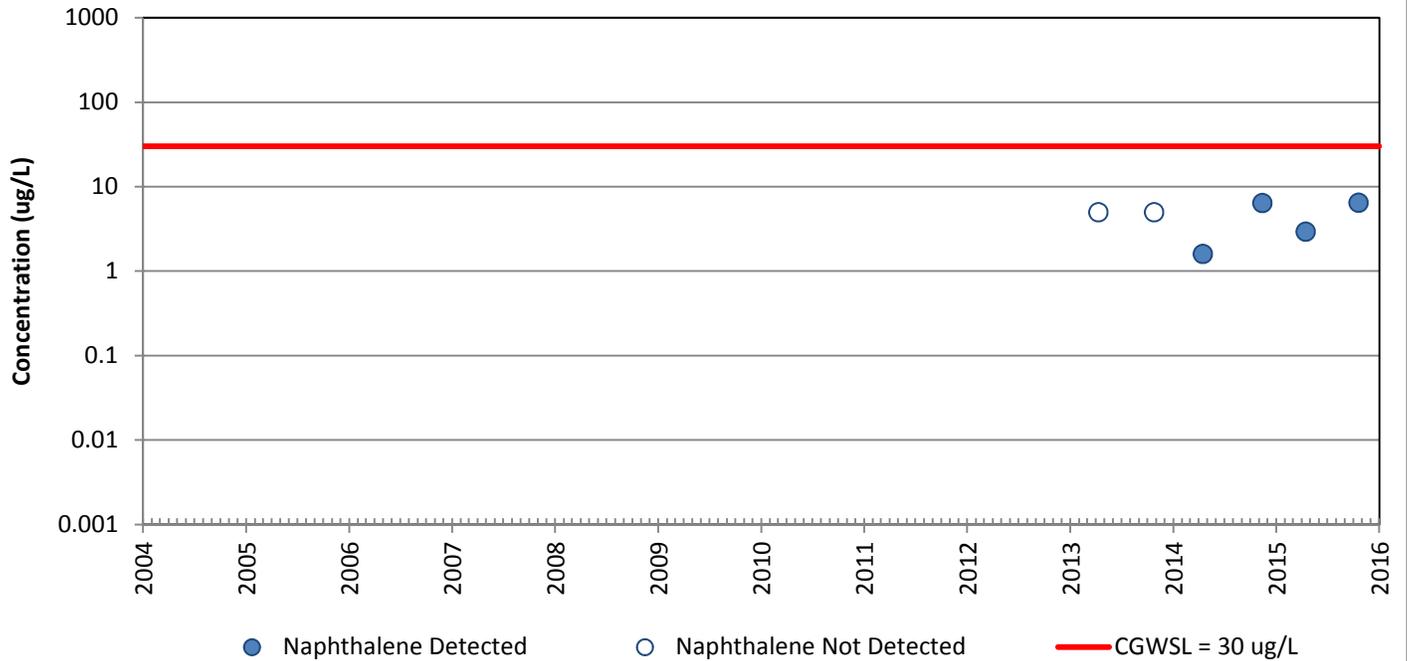


# MW-111

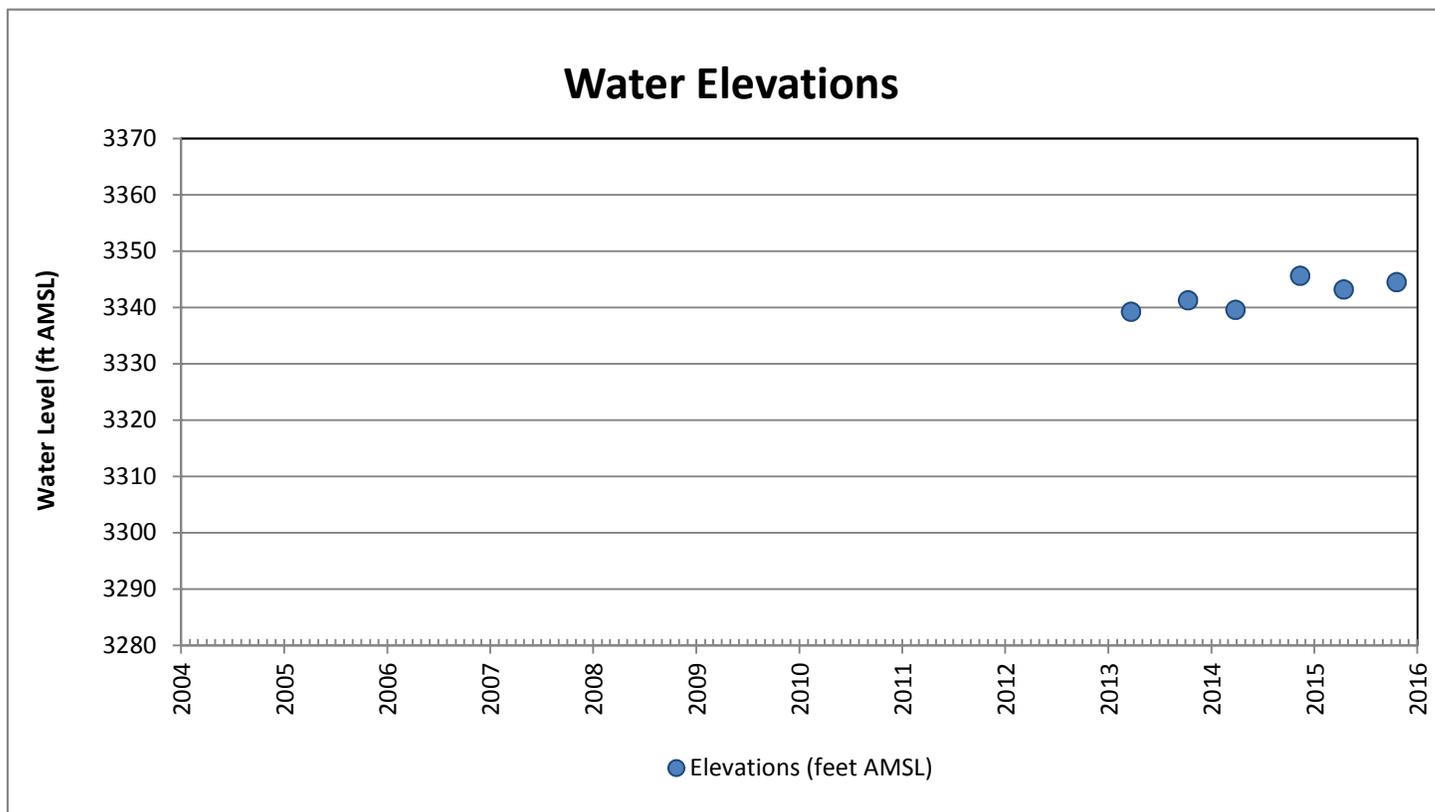
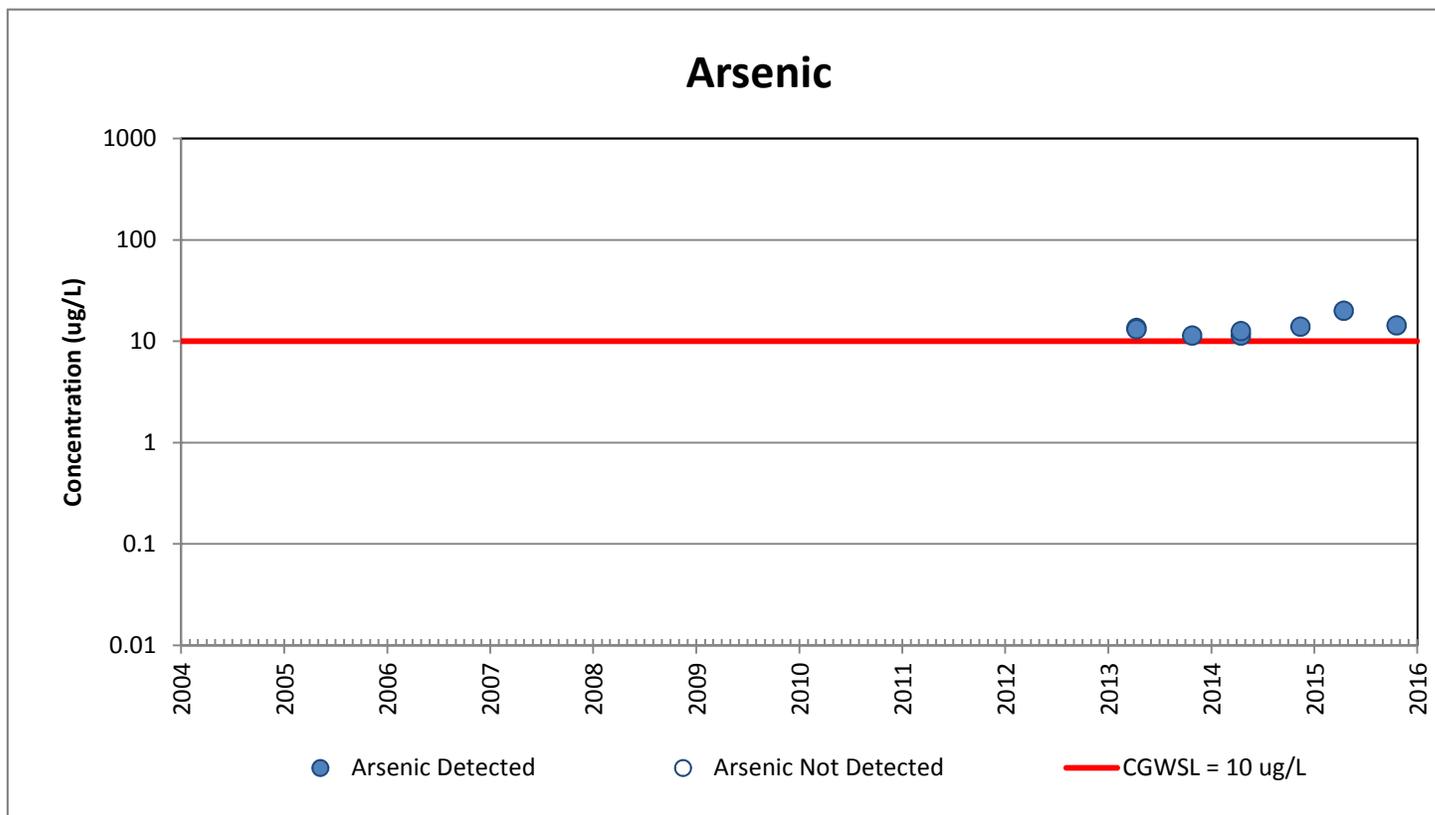
## MTBE



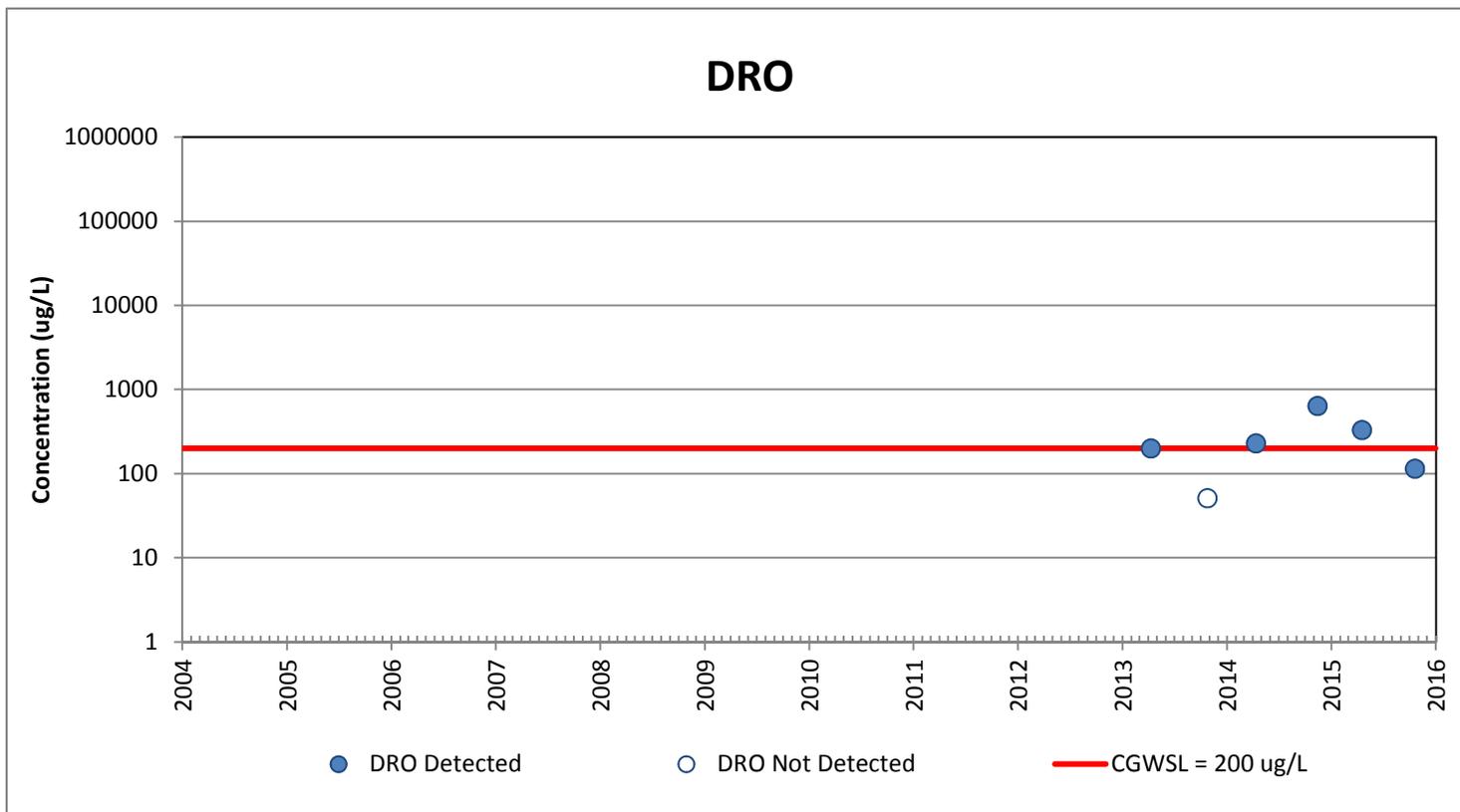
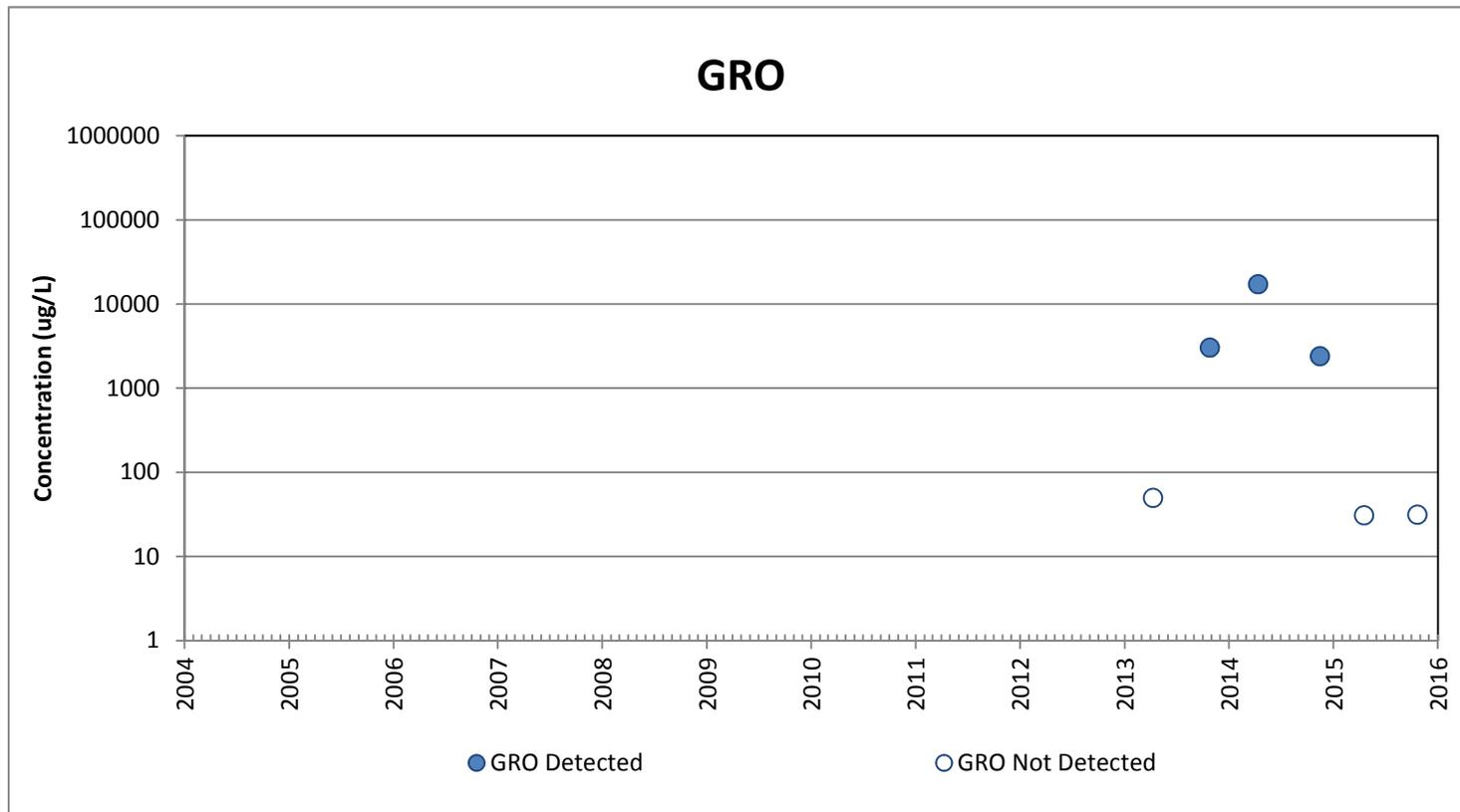
## Naphthalene



# MW-111



# MW-113



# MW-113

